

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013020\
 Data File : VN059927.D
 Acq On : 30 Jan 2020 14:31
 Operator : JC/MD
 Sample : VN0130WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:40:43 AM

Quant Time: Jan 30 17:05:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	285062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	260937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	124919	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106360	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
35) Dibromofluoromethane	7.57	113	87638	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.08	98	334077	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	120186	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37559	16.726	ug/l	97
3) Chloromethane	2.04	50	37039	17.339	ug/l	96
4) Vinyl Chloride	2.17	62	47453	19.415	ug/l	100
5) Bromomethane	2.55	94	28632	19.196	ug/l	99
6) Chloroethane	2.69	64	22388	19.361	ug/l	99
7) Trichlorofluoromethane	3.00	101	56665	19.305	ug/l	97
8) Diethyl Ether	3.39	74	20524	19.924	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34038	20.836	ug/l	93
10) Methyl Iodide	3.93	142	43551	16.493	ug/l	97
11) Tert butyl alcohol	4.73	59	32830	94.118	ug/l	99
12) 1,1-Dichloroethene	3.72	96	31974	18.731	ug/l	88
13) Acrolein	3.58	56	12928	52.357	ug/l	100
14) Allyl chloride	4.29	41	43985	19.117	ug/l #	85
15) Acrylonitrile	4.94	53	77904	97.908	ug/l	99
16) Acetone	3.78	43	79766	107.148	ug/l	97
17) Carbon Disulfide	4.03	76	77755	15.990	ug/l	100
18) Methyl Acetate	4.29	43	47587	19.662	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	112067	20.135	ug/l	93
20) Methylene Chloride	4.52	84	36499	18.659	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	34109	18.797	ug/l	90
22) Diisopropyl ether	5.91	45	103662	19.881	ug/l #	89
23) Vinyl Acetate	5.86	43	390325	96.685	ug/l #	95
24) 1,1-Dichloroethane	5.82	63	62520	19.623	ug/l	99
25) 2-Butanone	6.80	43	106588	90.838	ug/l	92
26) 2,2-Dichloropropane	6.80	77	59926	19.565	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	41826	20.041	ug/l	87
28) Bromochloromethane	7.17	49	24877	19.536	ug/l #	79
29) Tetrahydrofuran	7.18	42	66639	91.789	ug/l #	87
30) Chloroform	7.35	83	65644	19.885	ug/l	98
31) Cyclohexane	7.63	56	54545	17.792	ug/l #	85
32) 1,1,1-Trichloroethane	7.54	97	60534	19.833	ug/l	95
36) 1,1-Dichloropropene	7.77	75	47514	19.140	ug/l	96
37) Ethyl Acetate	6.89	43	43547	18.703	ug/l	96
38) Carbon Tetrachloride	7.75	117	53490	19.808	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58217	19.020	ug/l	91
40) Benzene	8.02	78	141818	19.156	ug/l	100
41) Methacrylonitrile	7.14	41	17185m	14.985	ug/l	
42) 1,2-Dichloroethane	8.10	62	51876	20.666	ug/l	97
43) Isopropyl Acetate	8.14	43	75359	18.817	ug/l #	94
44) Trichloroethene	8.82	130	41879	20.721	ug/l	91
45) 1,2-Dichloropropane	9.10	63	37088	20.245	ug/l	99
46) Dibromomethane	9.19	93	26040	20.150	ug/l	92
47) Bromodichloromethane	9.38	83	53210	20.432	ug/l	99
48) Methyl methacrylate	9.18	41	32487	18.136	ug/l	88
49) 1,4-Dioxane	9.18	88	12725	388.044	ug/l	91
51) 4-Methyl-2-Pentanone	9.97	43	220820	95.385	ug/l	96
52) Toluene	10.14	92	92346	19.747	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	57638	19.822	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	62680	20.487	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	37444	20.217	ug/l	98
56) Ethyl methacrylate	10.42	69	52971	18.717	ug/l	93
57) 1,3-Dichloropropane	10.70	76	59910	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	88771	104.140	ug/l	92
59) 2-Hexanone	10.74	43	161959	94.963	ug/l	96
60) Dibromochloromethane	10.89	129	42792	20.289	ug/l	99
61) 1,2-Dibromoethane	11.00	107	38843	20.009	ug/l	99
64) Tetrachloroethene	10.62	164	42948	20.195	ug/l	95
65) Chlorobenzene	11.43	112	101666	19.822	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40146	20.258	ug/l	97
67) Ethyl Benzene	11.50	91	180954	19.436	ug/l	98
68) m/p-Xylenes	11.62	106	136105	38.700	ug/l	94
69) o-Xylene	11.94	106	65363	18.984	ug/l	98
70) Styrene	11.96	104	106660	18.513	ug/l	97
71) Bromoform	12.12	173	31298	19.716	ug/l #	97
73) Isopropylbenzene	12.25	105	180822	19.737	ug/l	99
74) N-amyl acetate	12.06	43	63287	17.803	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	51945	19.558	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	48103m	22.882	ug/l	
77) Bromobenzene	12.52	156	45632	19.669	ug/l	82
78) n-propylbenzene	12.59	91	200363	19.485	ug/l	97
79) 2-Chlorotoluene	12.67	91	117735	19.246	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	149314	19.379	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	17770	18.152	ug/l	96
82) 4-Chlorotoluene	12.77	91	120989	19.719	ug/l	95
83) tert-Butylbenzene	12.99	119	131735	19.769	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	150174	19.701	ug/l	98
85) sec-Butylbenzene	13.17	105	172626	19.717	ug/l	99
86) p-Isopropyltoluene	13.28	119	158103	19.516	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	80429	19.957	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	78530	19.533	ug/l	97
89) n-Butylbenzene	13.61	91	134717	19.504	ug/l	99
90) Hexachloroethane	13.87	117	29268	19.310	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	79110	19.856	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11025	18.004	ug/l	92

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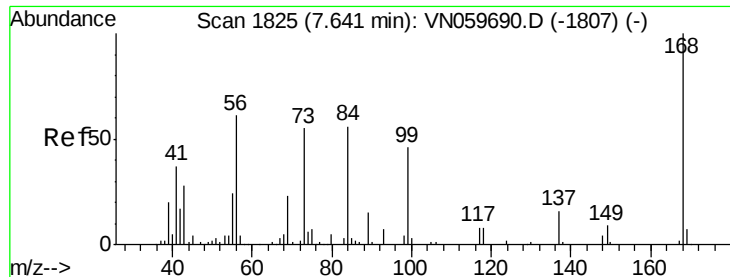
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46204	19.300	ug/l	100
94) Hexachlorobutadiene	15.01	225	26220	19.875	ug/l	98
95) Naphthalene	15.13	128	121172	17.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45784	19.648	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion:168 Resp: 186583

Ion Ratio Lower Upper

168 100

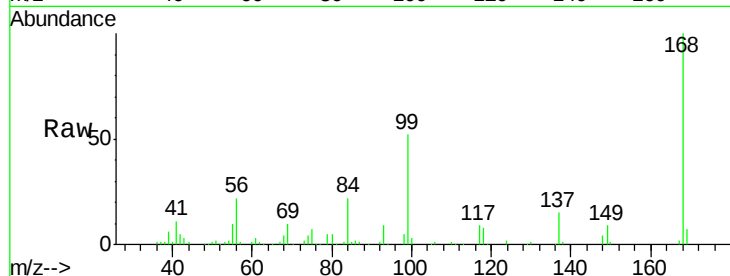
99 51.6 48.2 72.4

Manual Integrations

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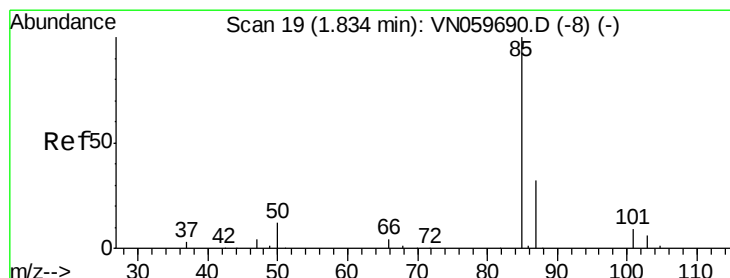
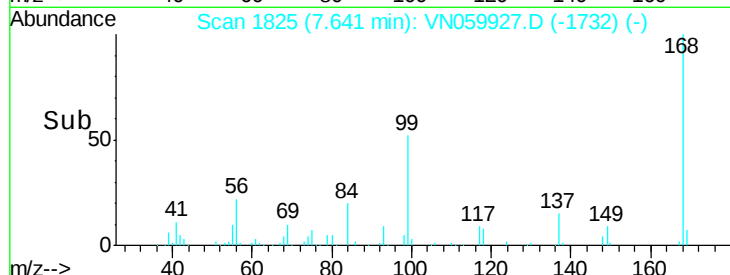
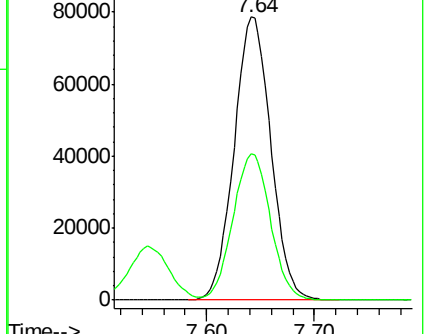
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.726 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059927.D

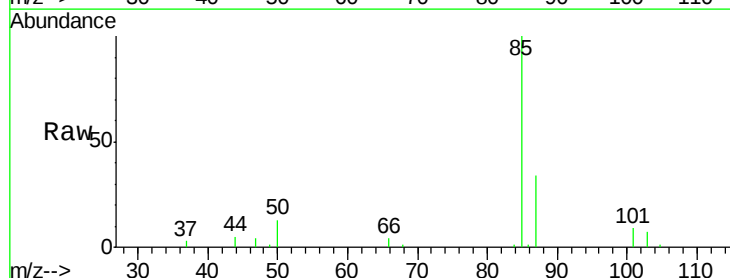
Acq: 30 Jan 2020 14:31

Tgt Ion: 85 Resp: 37559

Ion Ratio Lower Upper

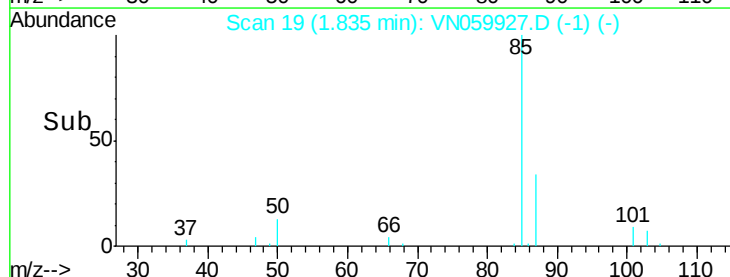
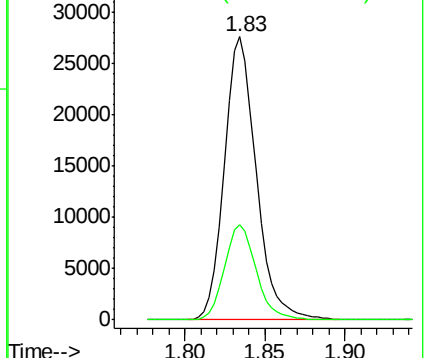
85 100

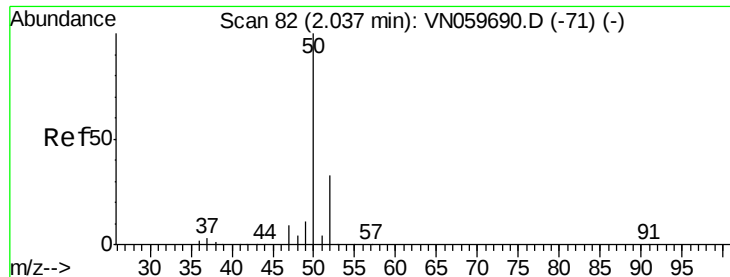
87 33.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.339 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion: 50 Resp: 37039

Ion Ratio Lower Upper

50 100

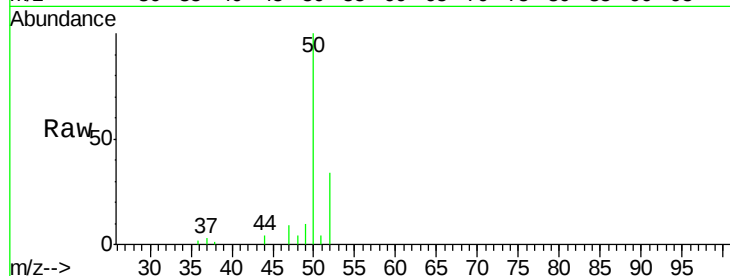
52 34.4 25.9 38.9

Manual Integrations

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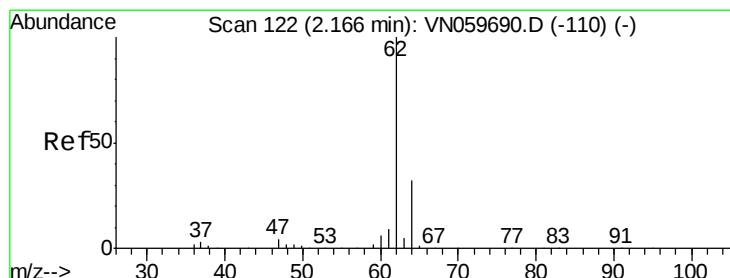
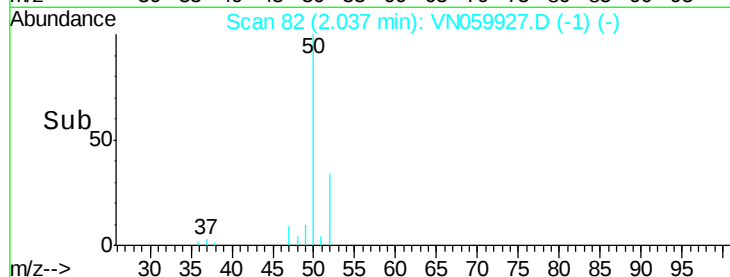
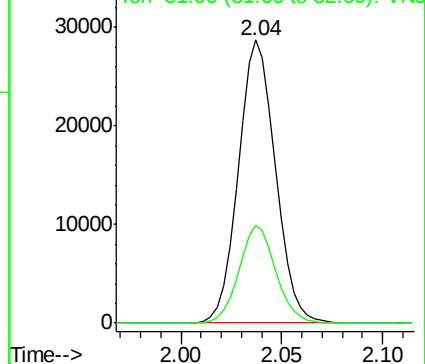
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.415 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059927.D

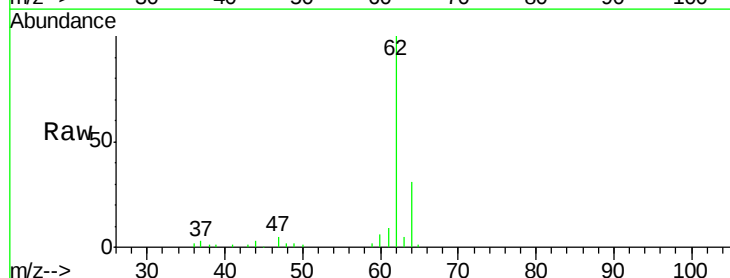
Acq: 30 Jan 2020 14:31

Tgt Ion: 62 Resp: 47453

Ion Ratio Lower Upper

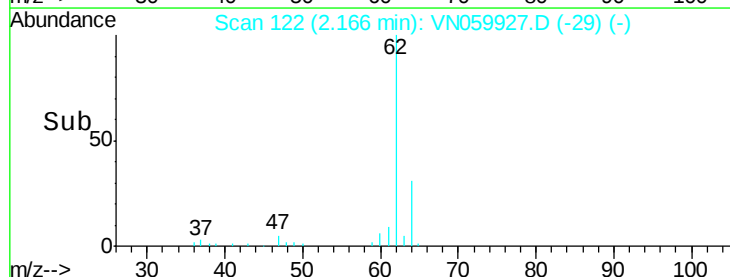
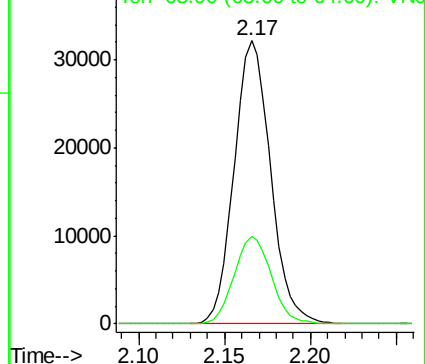
62 100

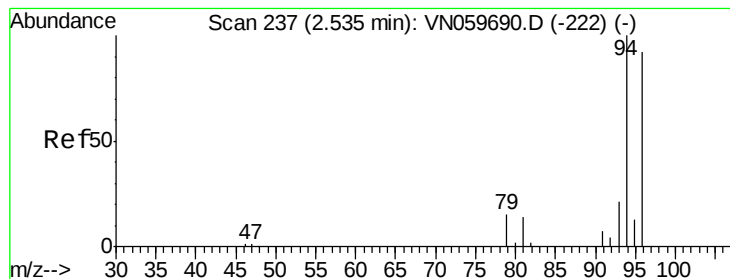
64 30.8 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.196 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion: 94 Resp: 28632

Ion Ratio Lower Upper

94 100

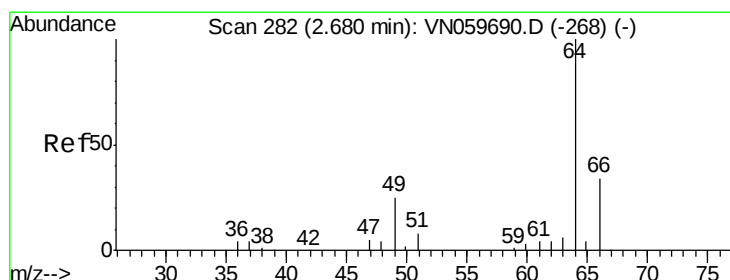
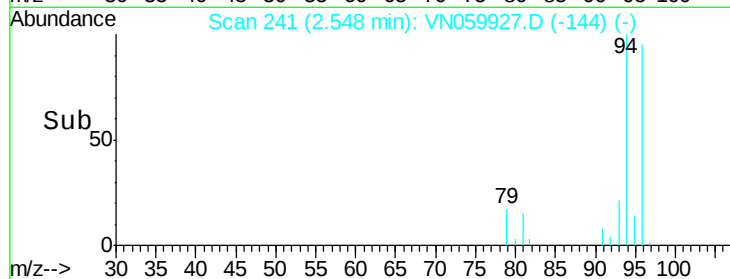
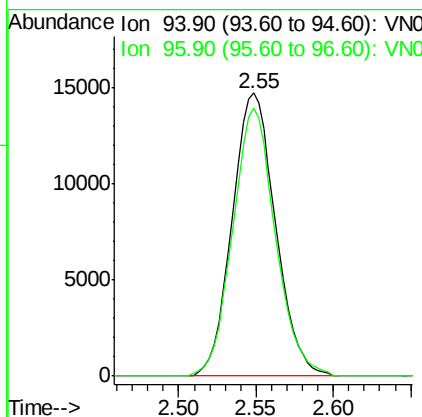
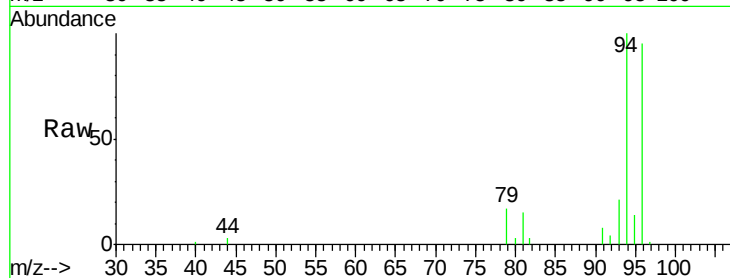
96 94.6 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.361 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN059927.D

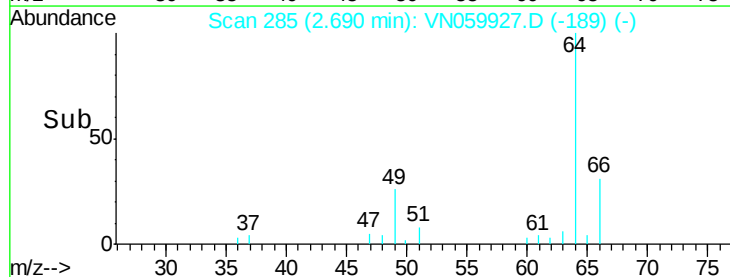
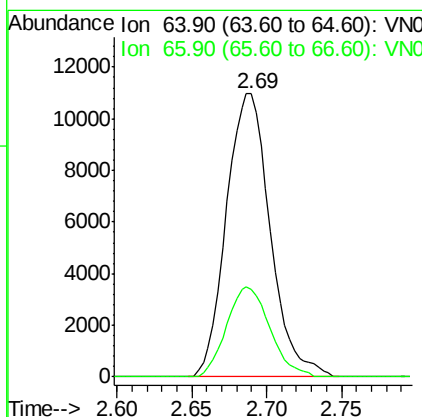
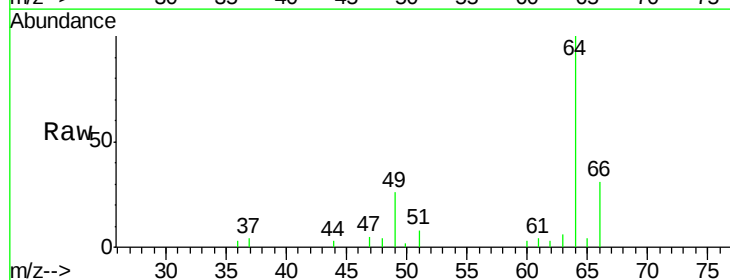
Acq: 30 Jan 2020 14:31

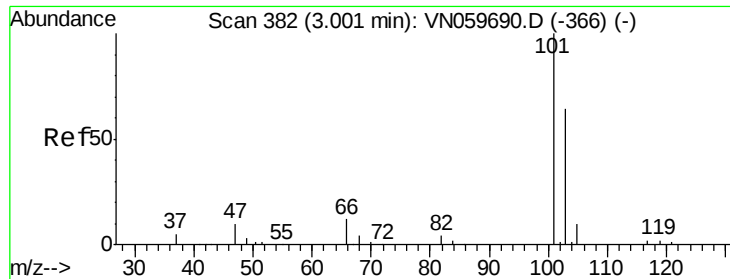
Tgt Ion: 64 Resp: 22388

Ion Ratio Lower Upper

64 100

66 31.1 25.1 37.7





#7

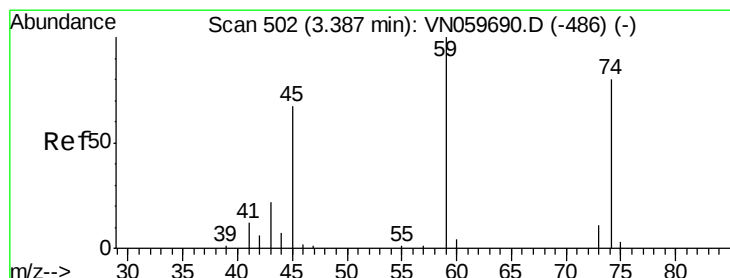
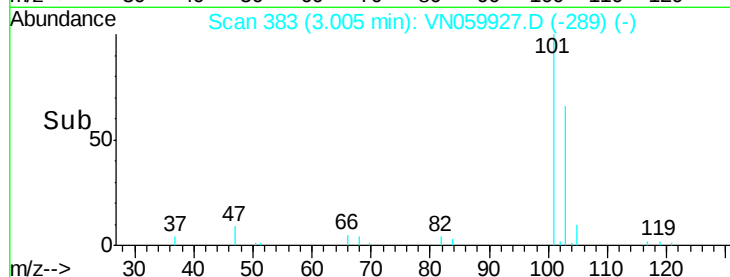
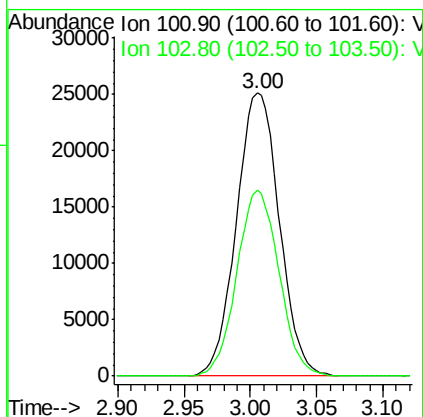
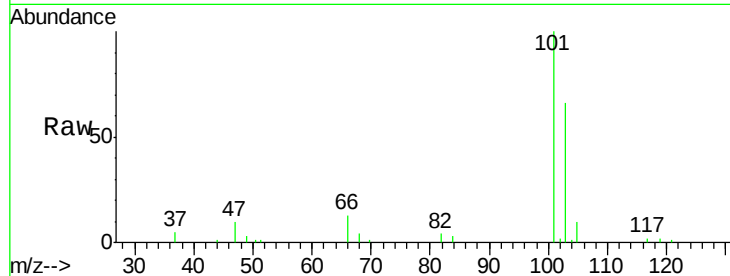
Trichlorofluoromethane
Concen: 19.305 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		56665		
103	65.9	51.0	76.6		

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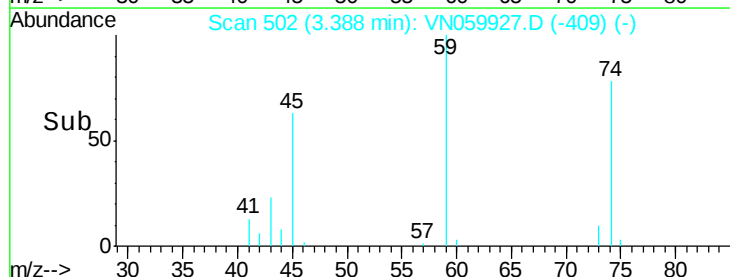
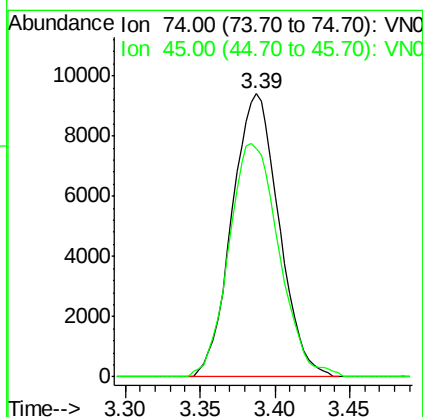
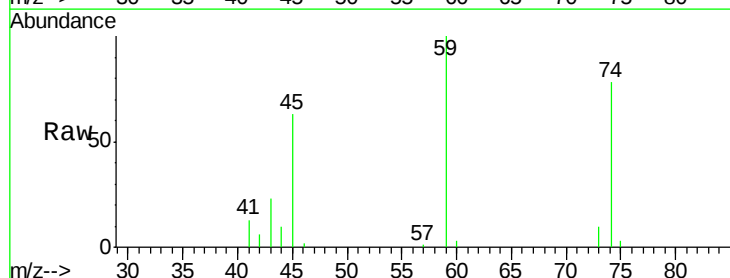
MMDadoda
2/3/2020 10:40:43 AM

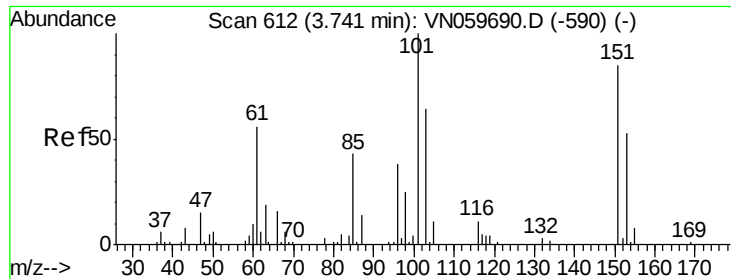


#8

Diethyl Ether
Concen: 19.924 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		20524		
45	87.9	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.836 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN059927.D

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Instrument :

MSVOA_N

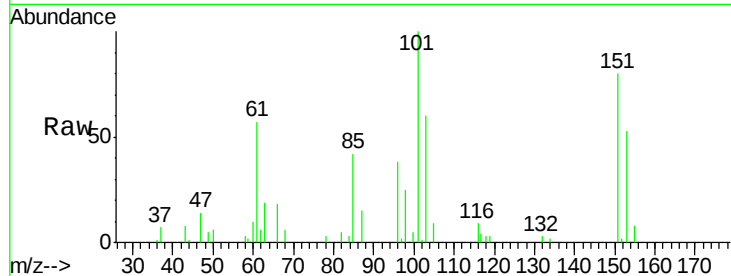
ClientSampled :

VN0130WBS01

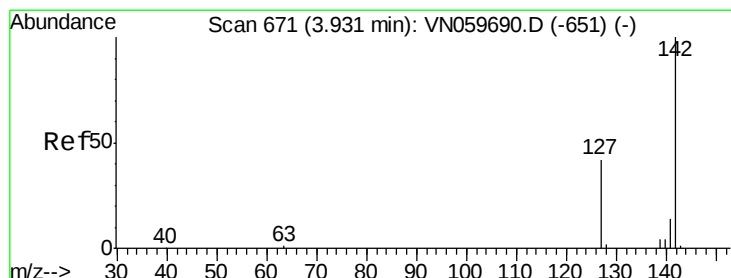
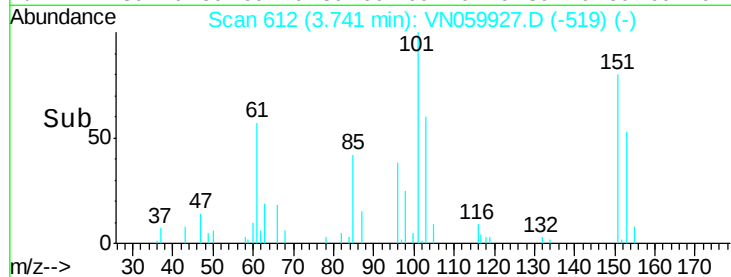
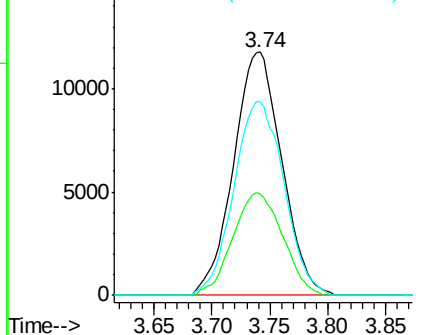
Tot Ion:	101	Resp:	34038
Ion Ratio	Lower	Upper	
101	100		
85	43.5	36.6	54.8
151	82.7	59.7	89.5

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.493 ug/l

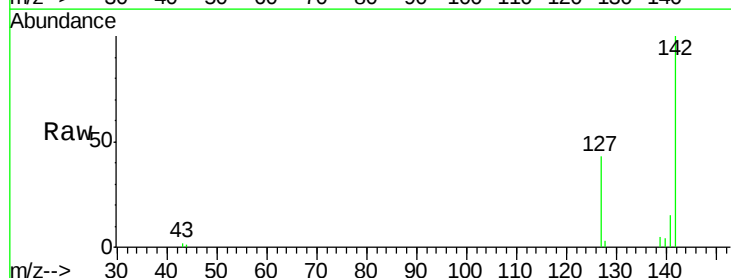
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

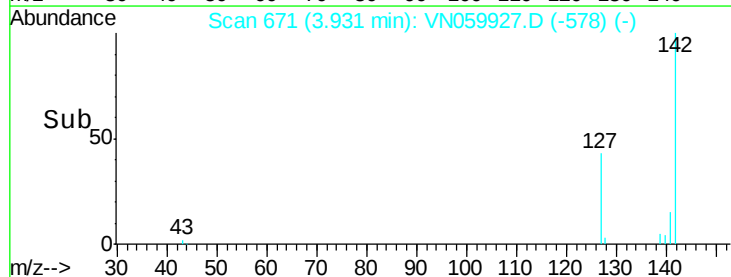
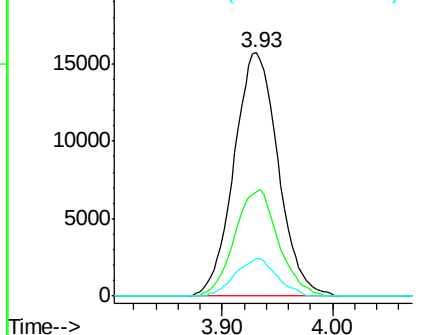
Lab File: VN059927.D

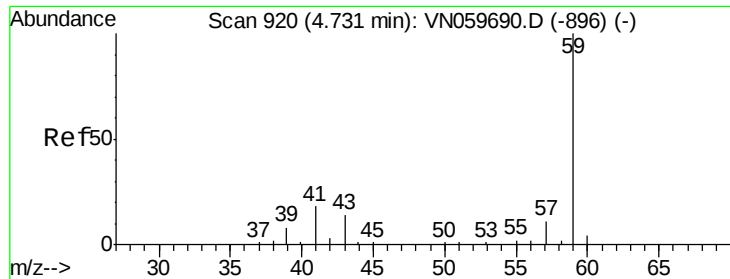
Acq: 30 Jan 2020 14:31

Tgt Ion:	142	Resp:	43551
Ion Ratio	Lower	Upper	
142	100		
127	43.4	36.7	55.1
141	14.5	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





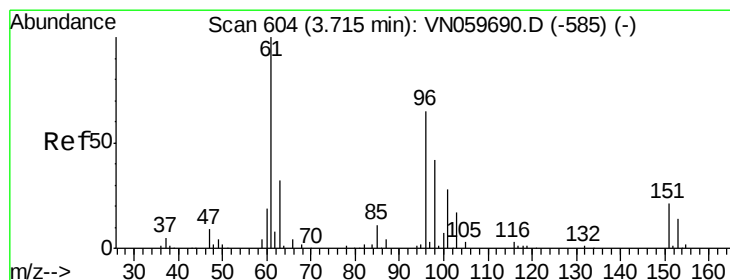
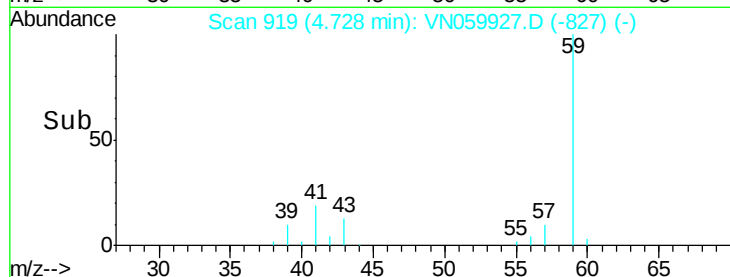
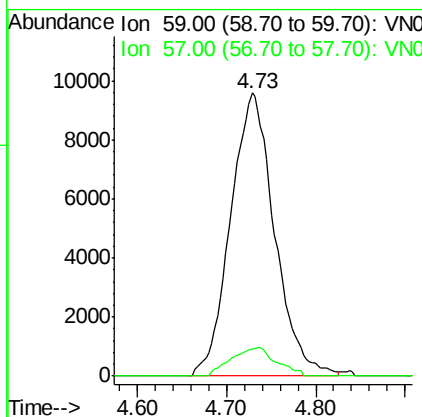
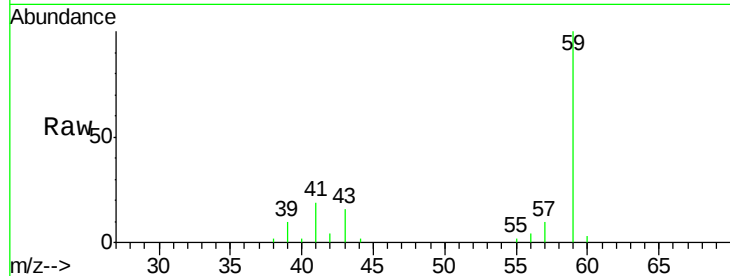
#11
Tert butyl alcohol
Concen: 94.118 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.6	12.8

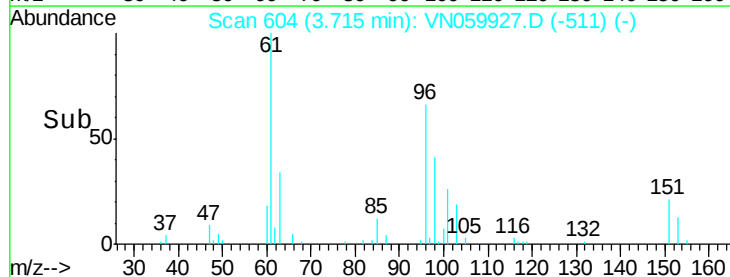
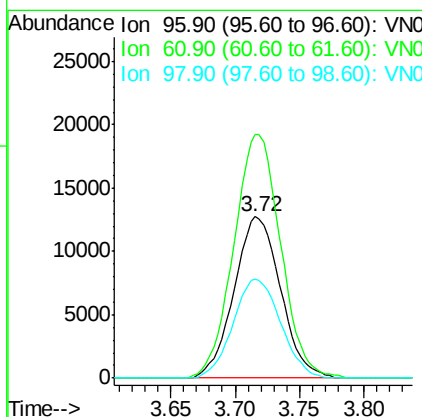
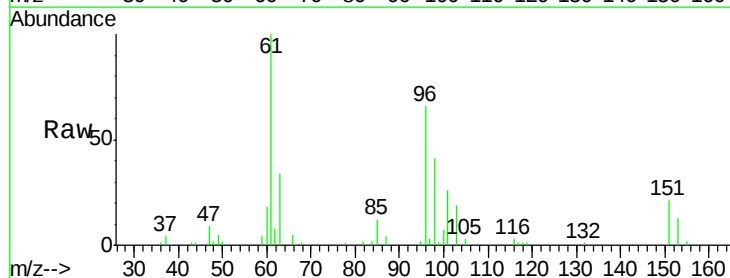
Manual Integrations
APPROVED

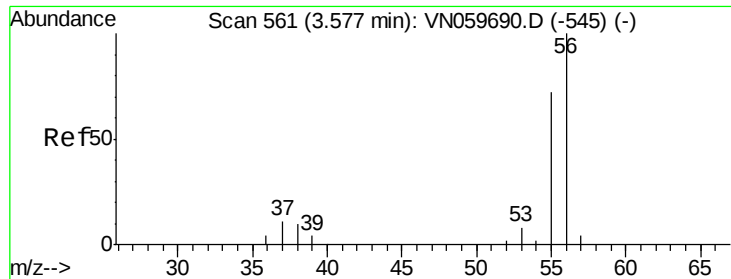
MMDadoda
2/3/2020 10:40:43 AM



#12
1,1-Dichloroethene
Concen: 18.731 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.0	137.5	206.3
98	61.6	50.2	75.4





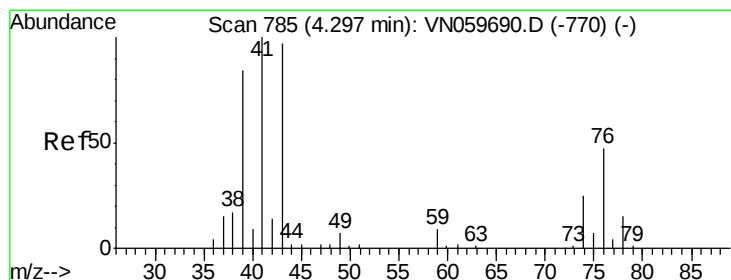
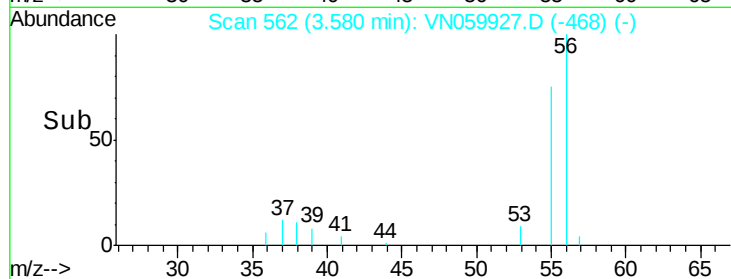
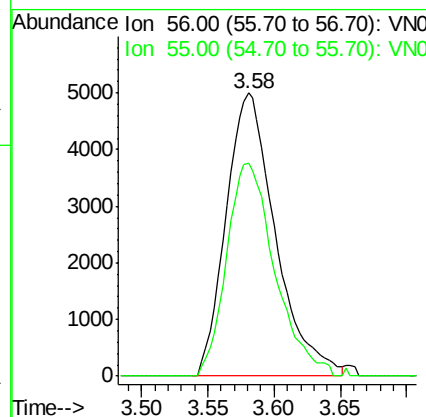
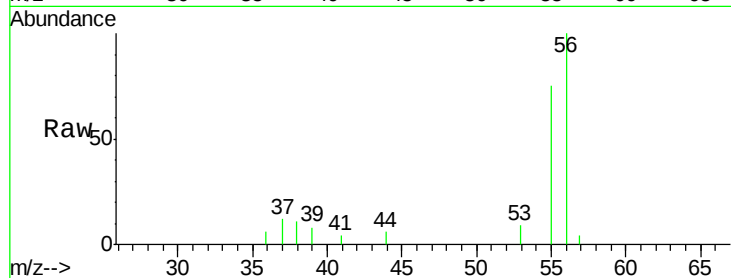
#13
Acrolein
Concen: 52.357 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion: 56 Resp: 12928
Ion Ratio Lower Upper
56 100
55 73.4 58.6 88.0

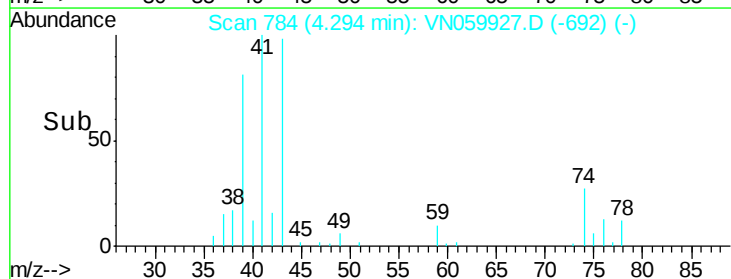
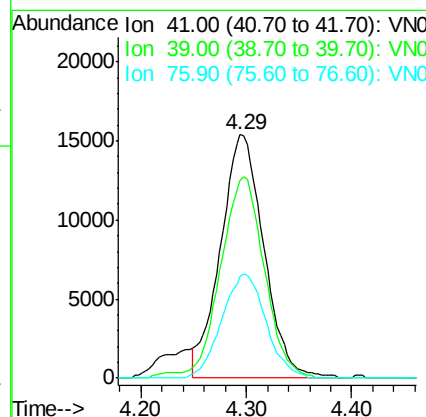
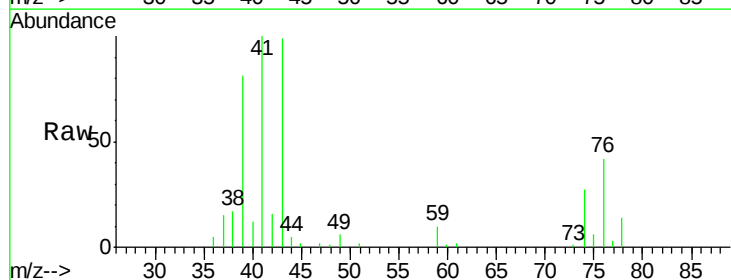
Manual Integrations
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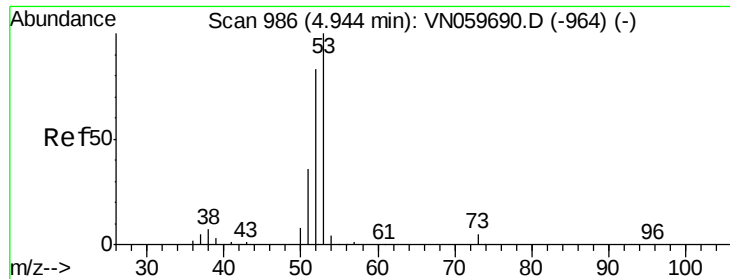
MMDadoda
2/3/2020 10:40:43 AM



#14
Allyl chloride
Concen: 19.117 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion: 41 Resp: 43985
Ion Ratio Lower Upper
41 100
39 82.7 57.8 86.8
76 43.4 25.4 38.0#





#15

Acrylonitrile

Concen: 97.908 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

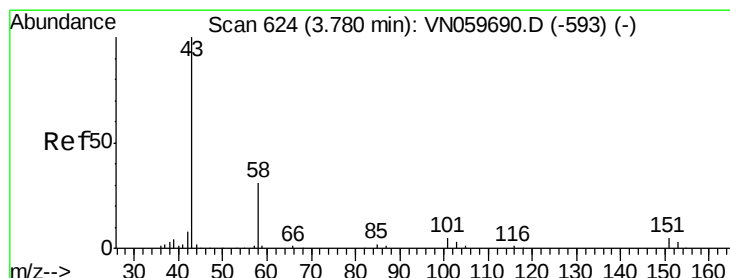
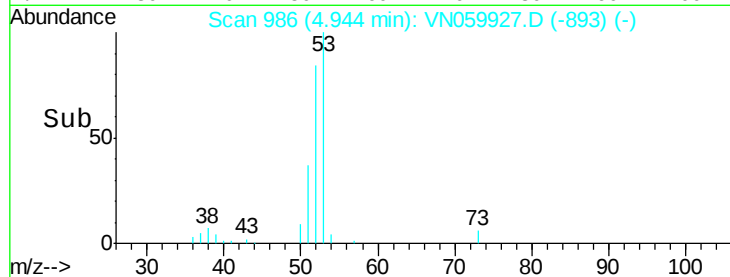
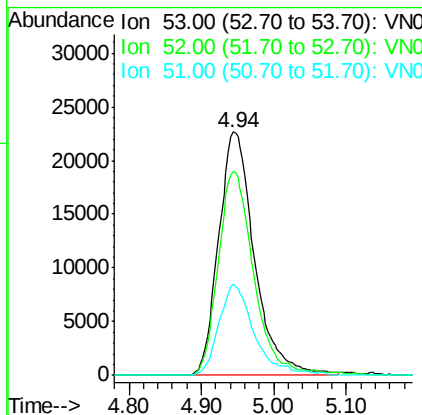
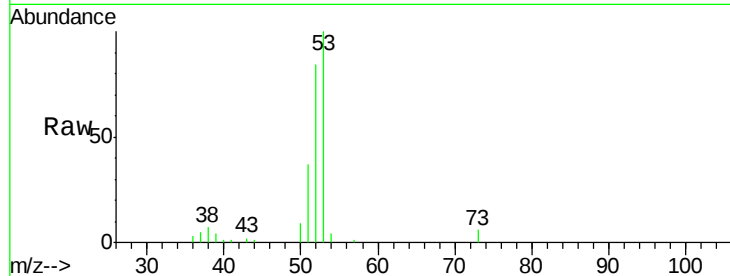
ClientSampled :

VN0130WBS01

Tot Ion:	53	Resp:	77904
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.3	99.5
51	36.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 107.148 ug/l

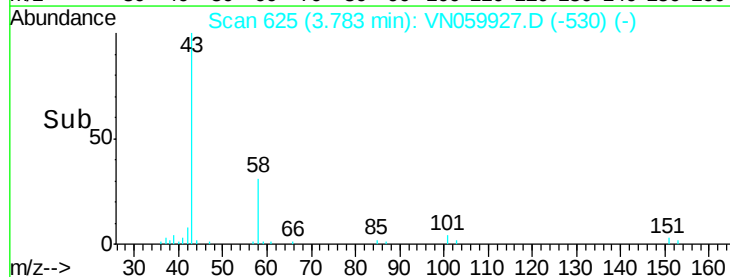
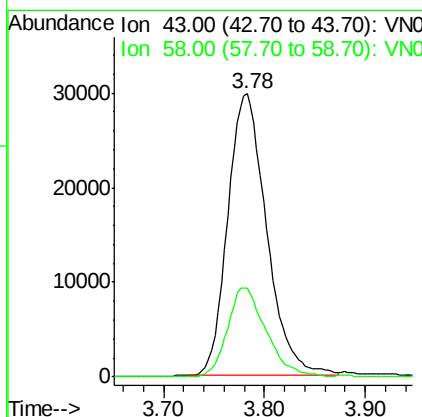
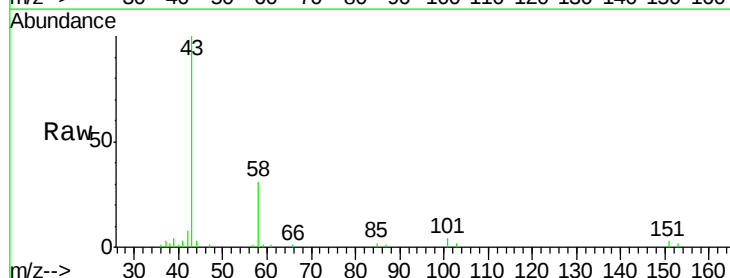
RT: 3.78 min Scan# 625

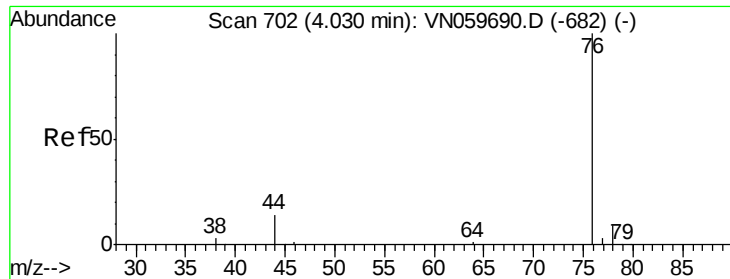
Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Tgt Ion:	43	Resp:	79766
Ion	Ratio	Lower	Upper
43	100		
58	31.3	23.6	35.4





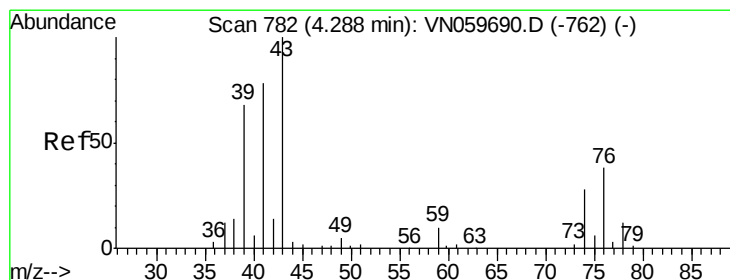
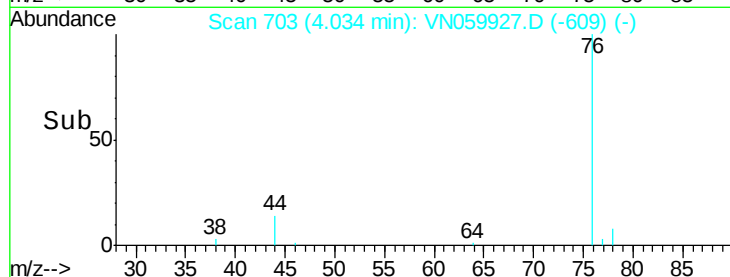
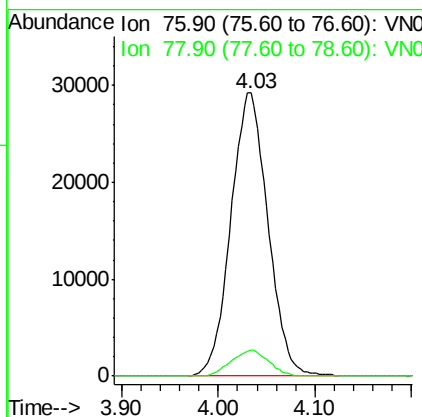
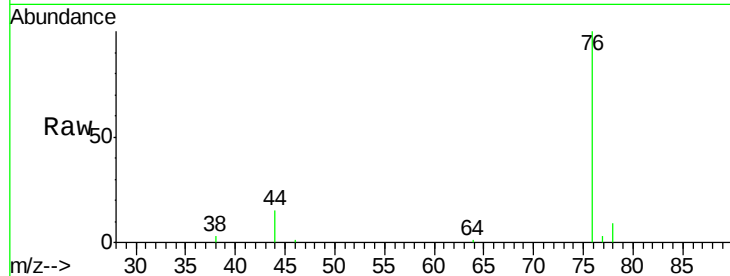
#17
Carbon Disulfide
Concen: 15.990 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

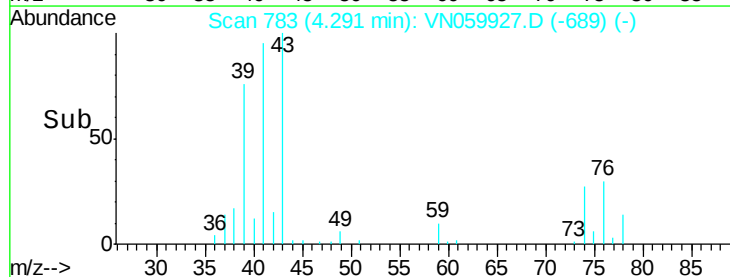
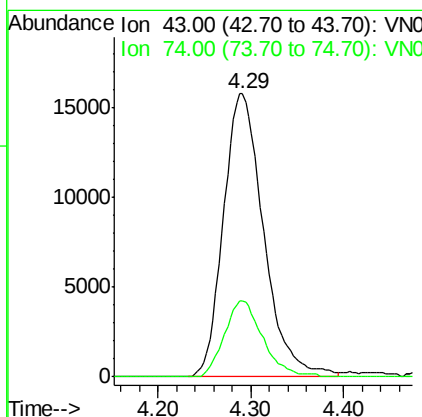
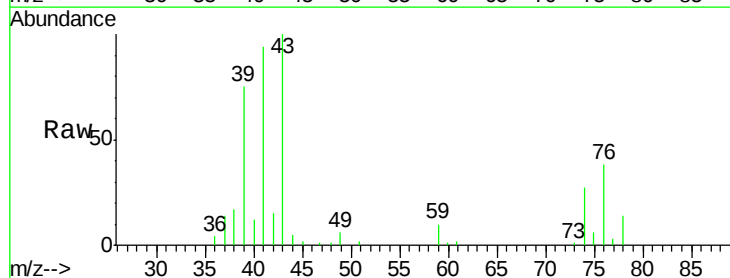
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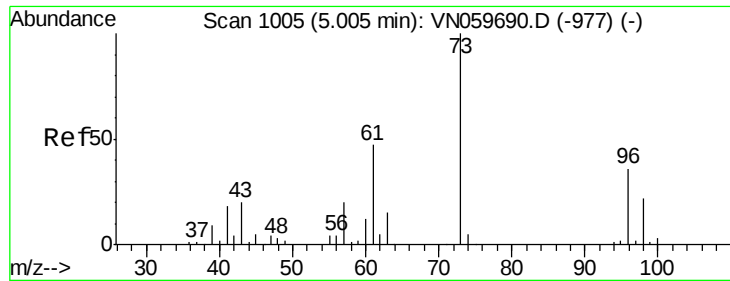
MMDadoda
2/3/2020 10:40:43 AM



#18
Methyl Acetate
Concen: 19.662 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	17.5	26.3





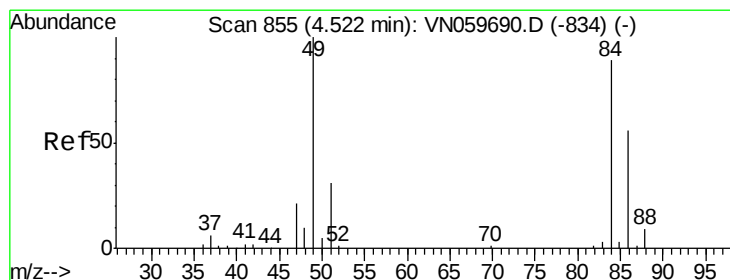
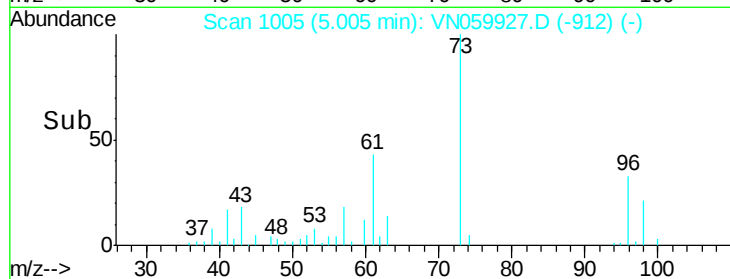
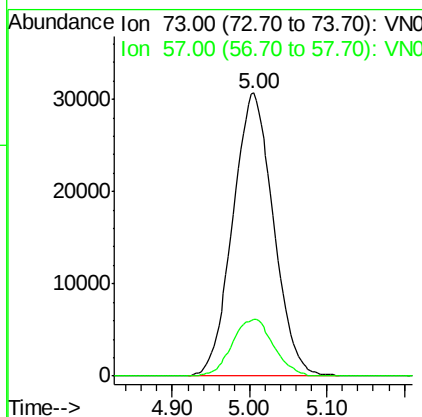
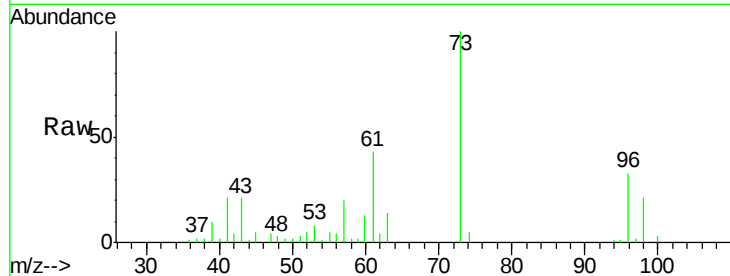
#19
Methvl tert-butvl Ether
Concen: 20.135 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion: 73 Resp: 112067
Ion Ratio Lower Upper
73 100
57 20.0 18.6 27.8

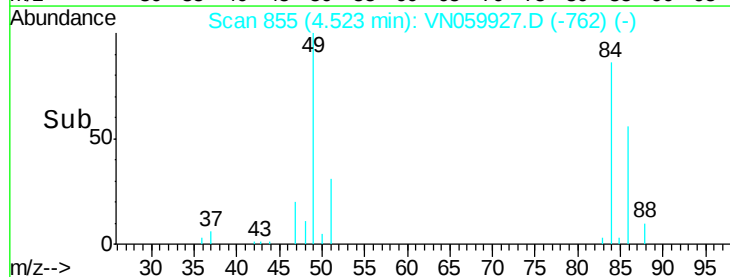
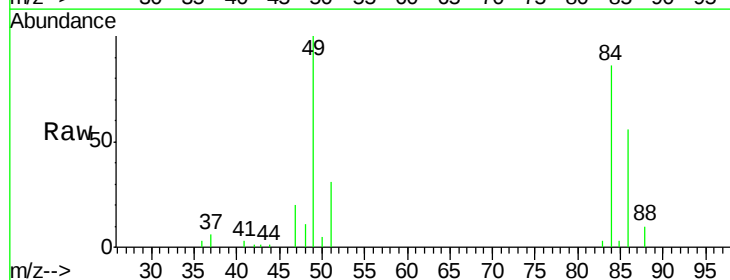
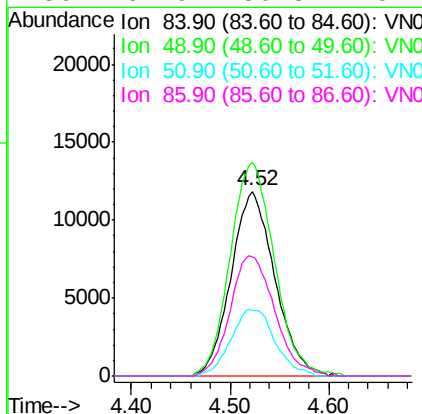
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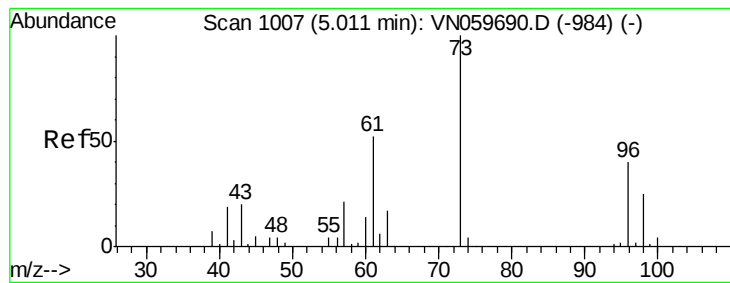
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2/3/2020 10:40:43 AM



#20
Methylene Chloride
Concen: 18.659 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion: 84 Resp: 36499
Ion Ratio Lower Upper
84 100
49 115.8 106.6 160.0
51 35.8 31.9 47.9
86 64.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.797 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion: 96 Resp: 34109

Ion Ratio Lower Upper

96 100

61 132.7 120.4 180.6

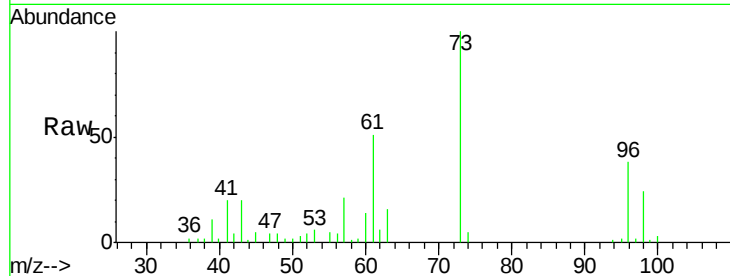
98 63.5 50.6 75.8

Manual Integrations

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MMDadoda

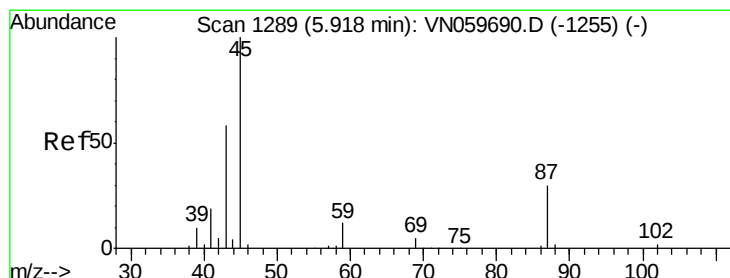
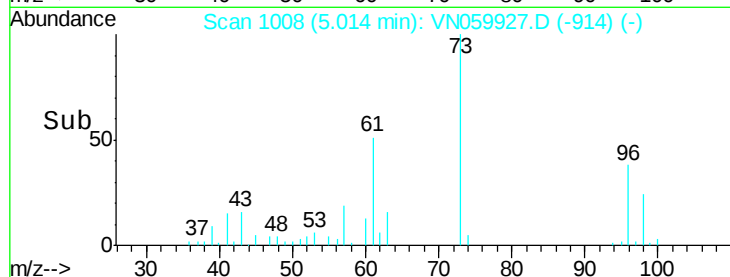
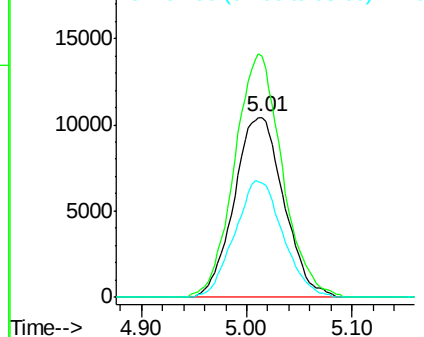
2/3/2020 10:40:43 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.881 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Tgt Ion: 45 Resp: 103662

Ion Ratio Lower Upper

45 100

43 72.9 50.8 76.2

87 32.0 21.0 31.6#

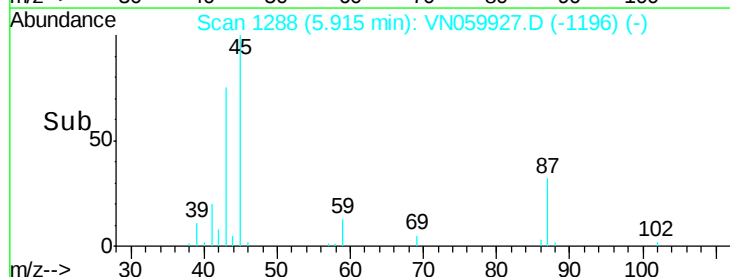
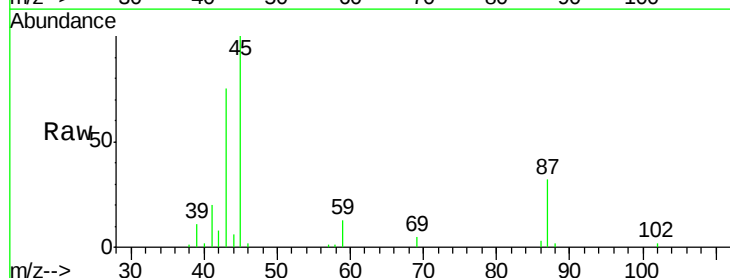
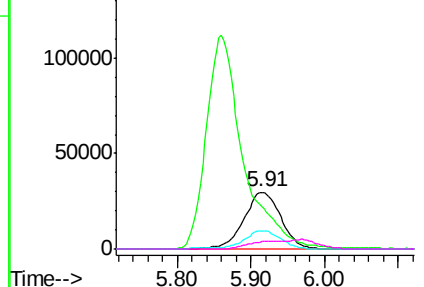
59 13.3 9.1 13.7

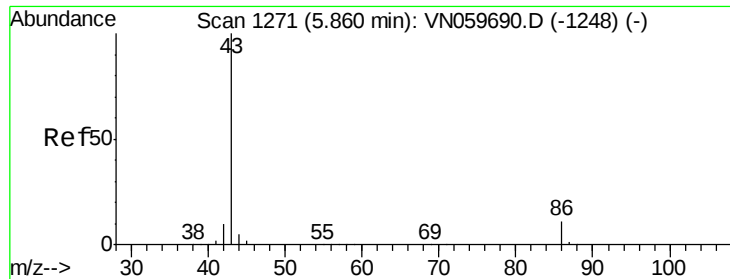
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





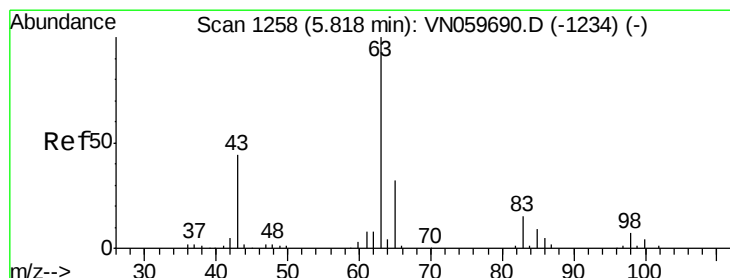
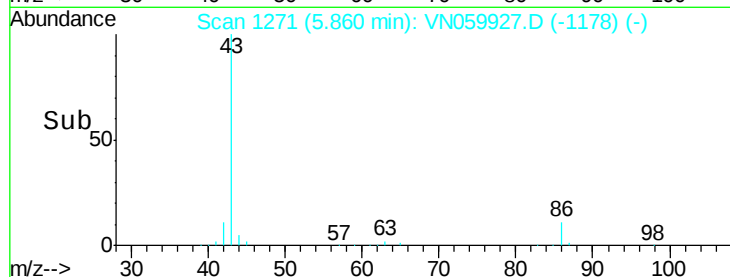
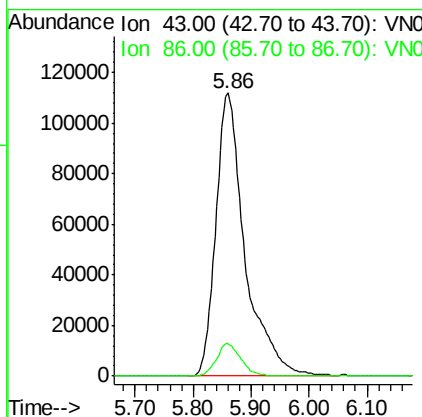
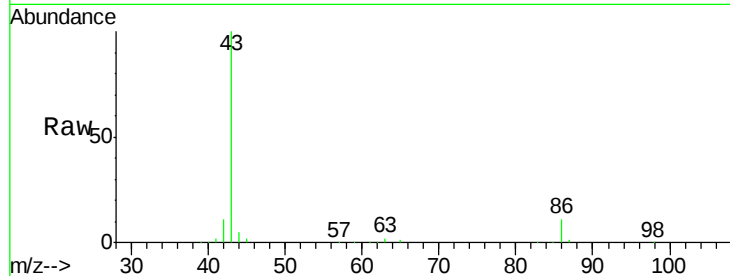
#23
 Vinyl Acetate
 Concen: 96.685 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.5	7.6	11.4#

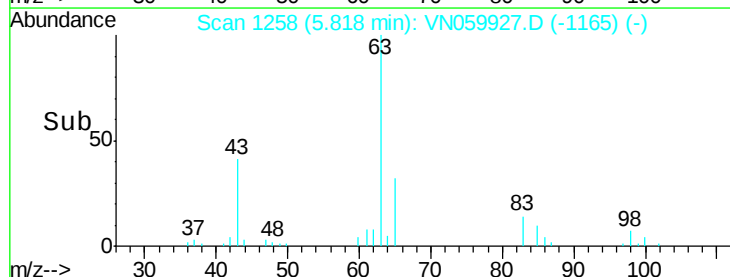
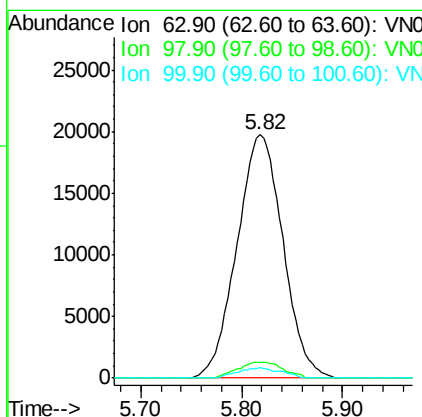
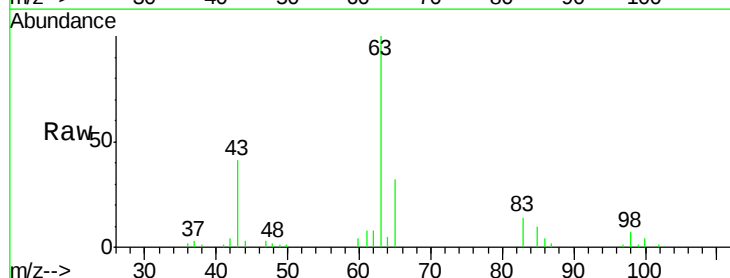
Manual Integrations
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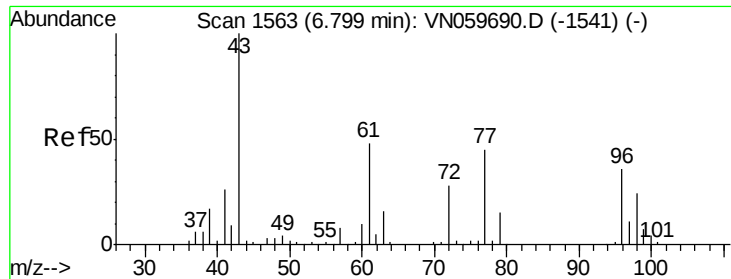
MMDadoda
 2/3/2020 10:40:43 AM



#24
 1,1-Dichloroethane
 Concen: 19.623 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.9	8.7
100	4.1	2.0	6.0





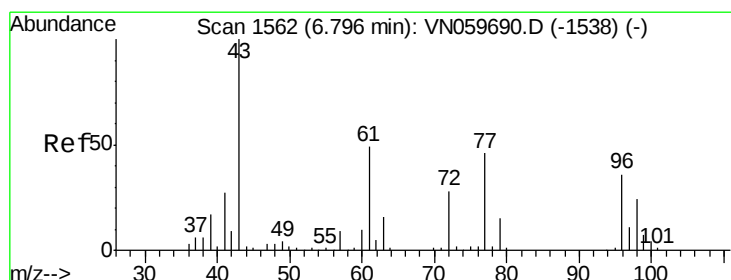
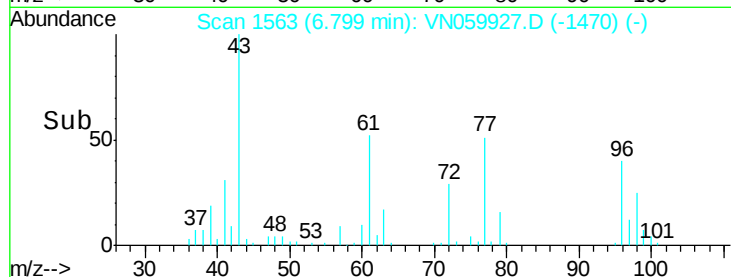
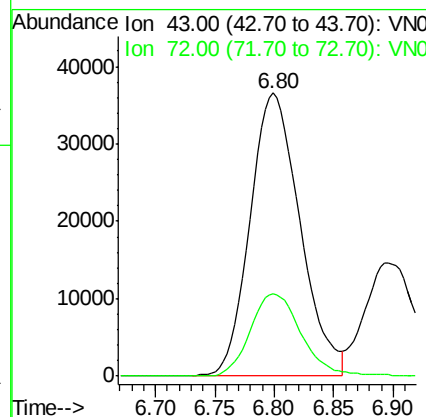
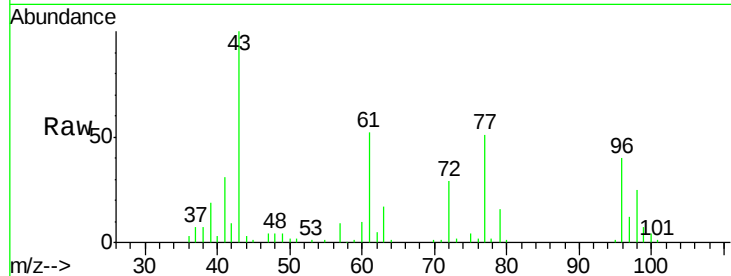
#25
2-Butanone
Concen: 90.838 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion: 43 Resp: 106588
Ion Ratio Lower Upper
43 100
72 29.0 19.9 29.9

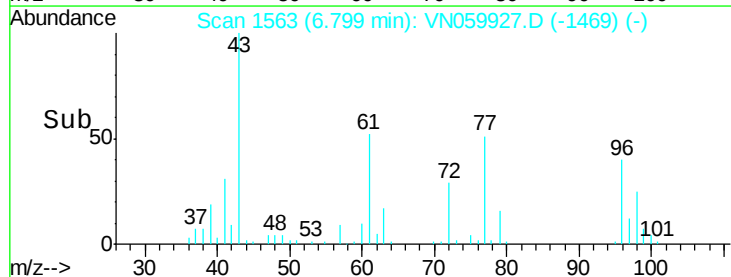
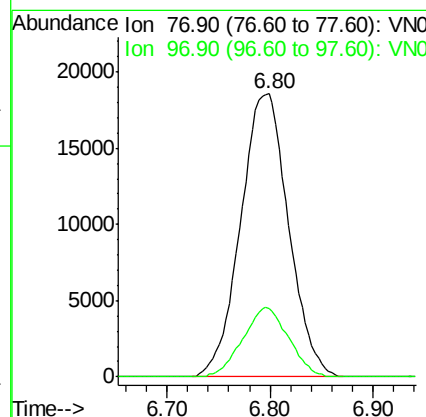
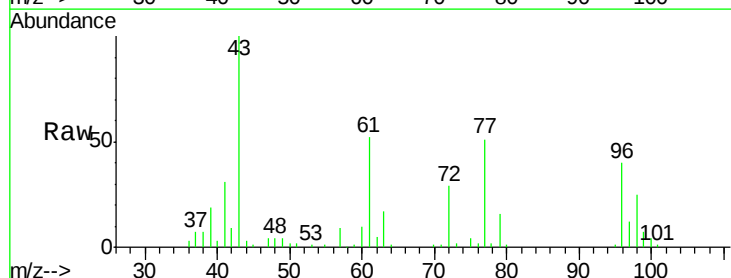
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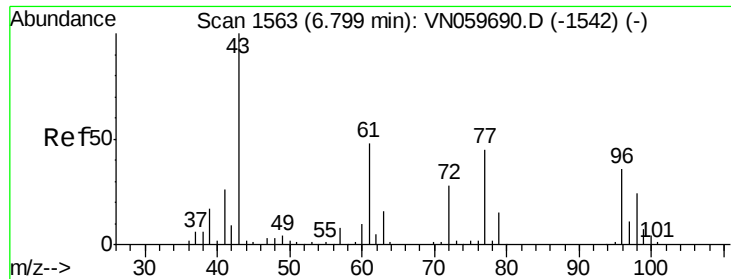
MMDadoda
2/3/2020 10:40:43 AM



#26
2,2-Dichloropropane
Concen: 19.565 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion: 77 Resp: 59926
Ion Ratio Lower Upper
77 100
97 23.4 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.041 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

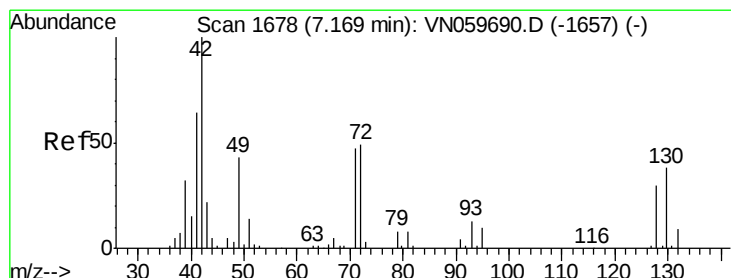
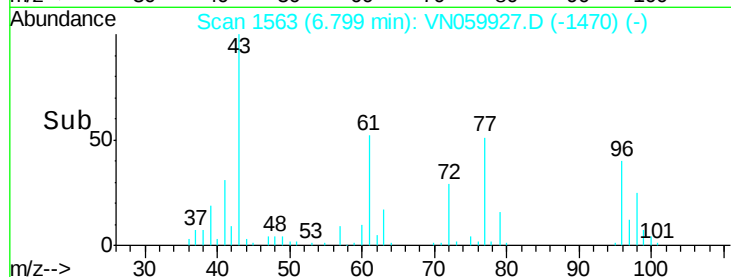
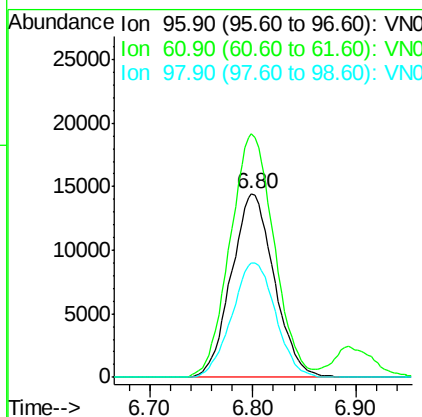
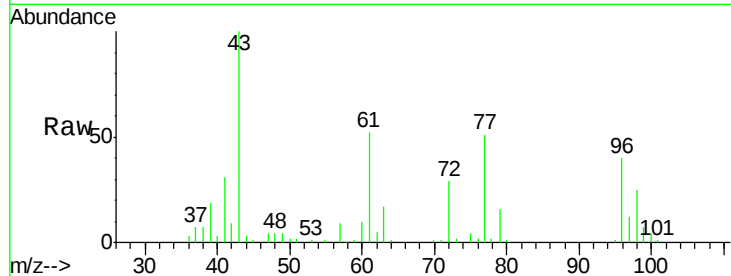
ClientSampleId :

VN0130WBS01

Tot Ion:	96	Resp:	41826
Ion	Ratio	Lower	Upper
96	100		
61	135.9	0.0	317.6
98	63.3	0.0	127.0

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#28

Bromochloromethane

Concen: 19.536 ug/l

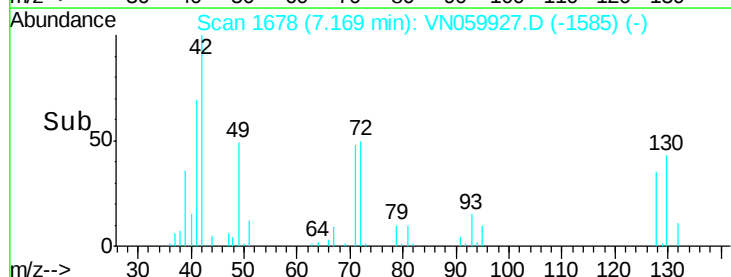
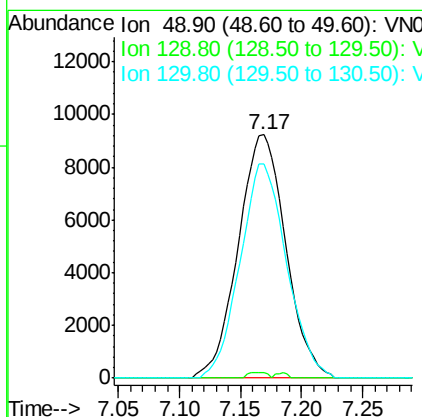
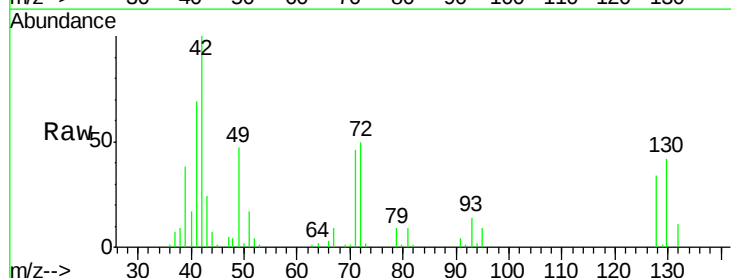
RT: 7.17 min Scan# 1678

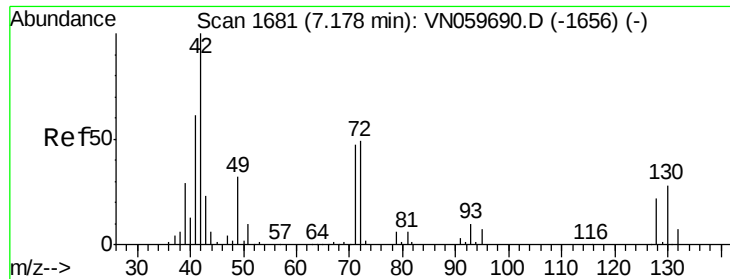
Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Tgt Ion:	49	Resp:	24877
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	86.2	54.7	82.1#





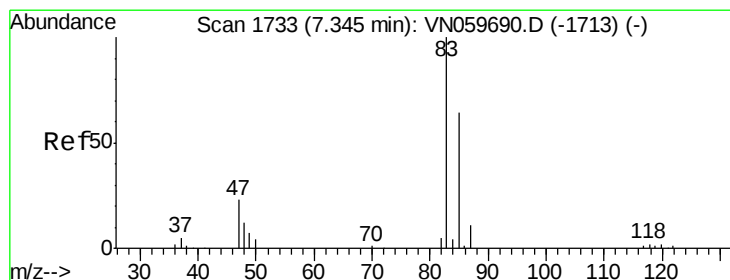
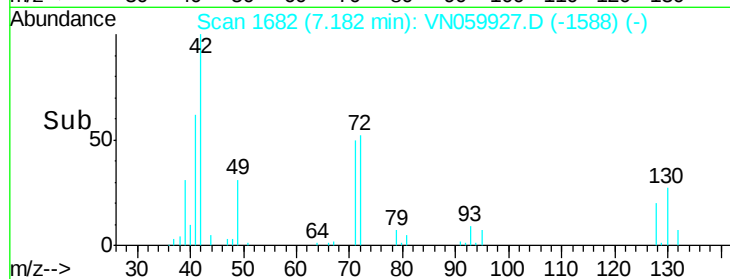
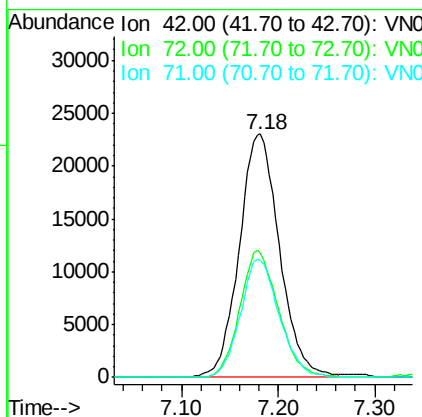
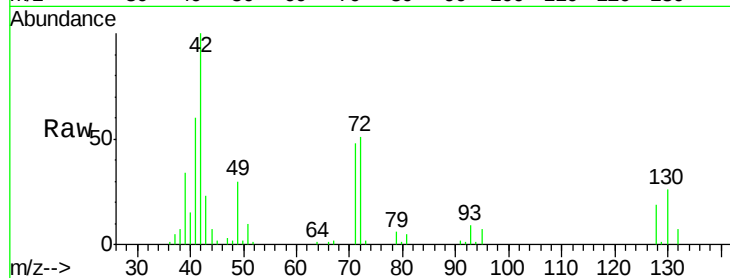
#29
Tetrahydrofuran
Concen: 91.789 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	33.1	49.7#
71	46.7	31.4	47.0

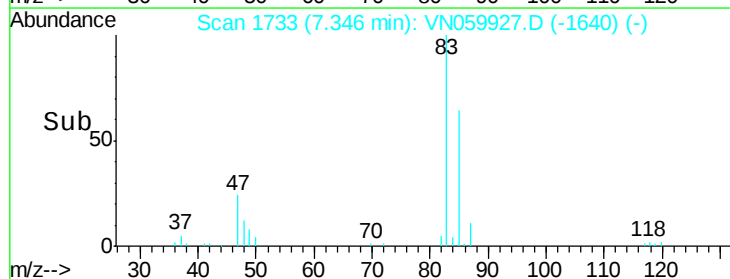
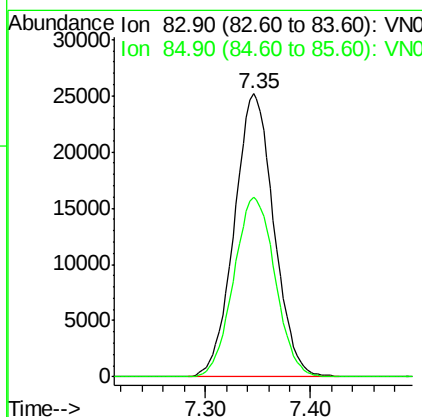
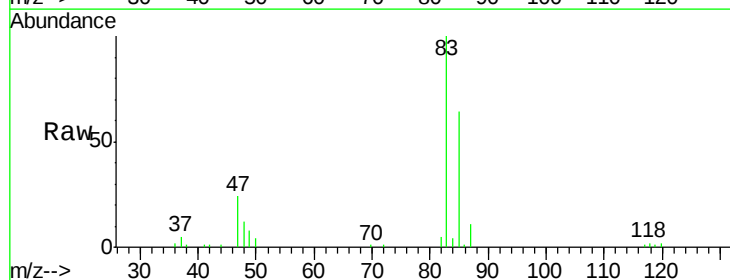
Manual Integrations
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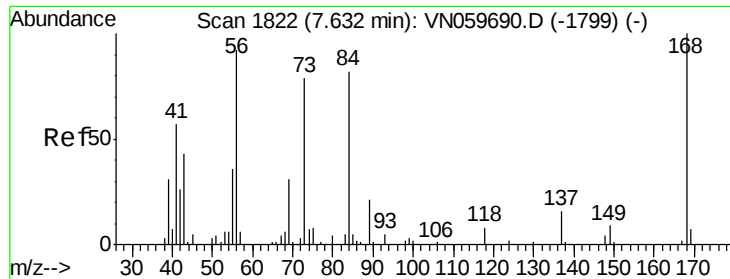
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#30
Chloroform
Concen: 19.885 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.4	78.6





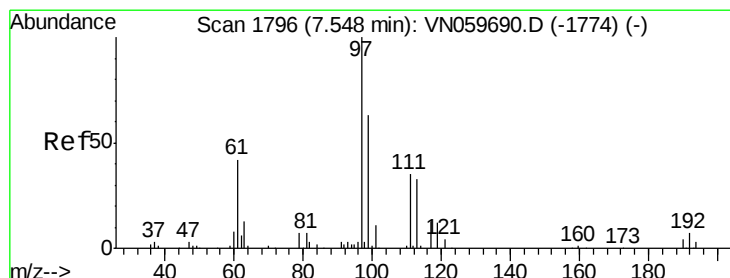
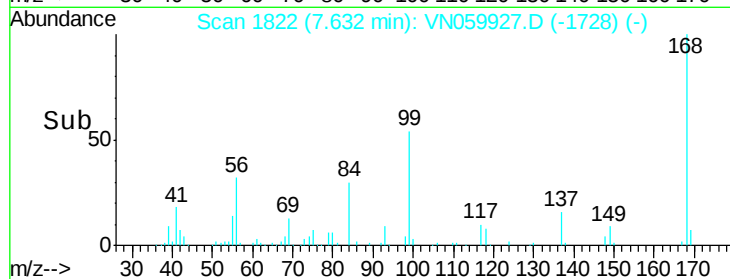
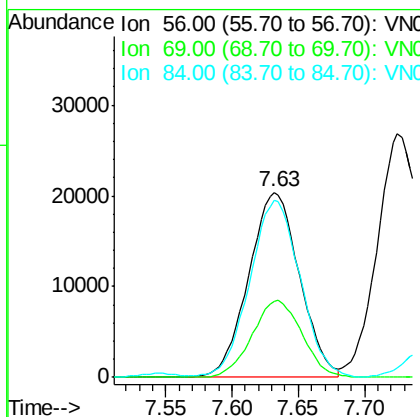
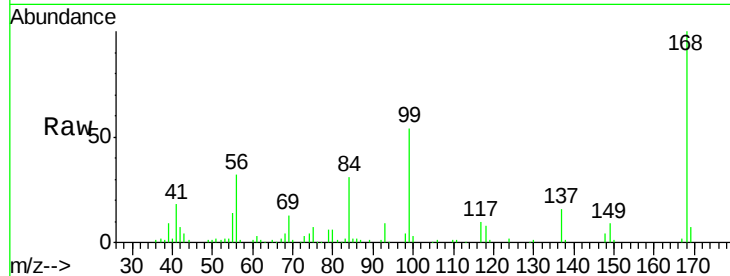
#31
Cyclohexane
Concen: 17.792 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.3	26.5	39.7#
84	94.9	65.3	97.9

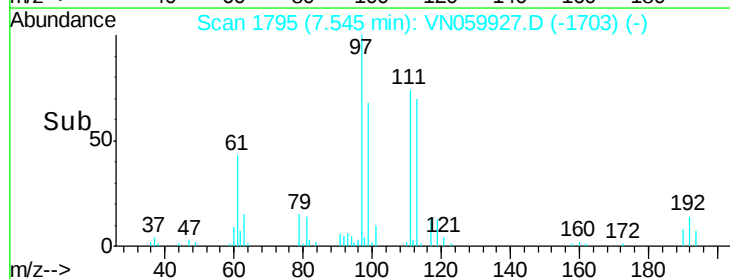
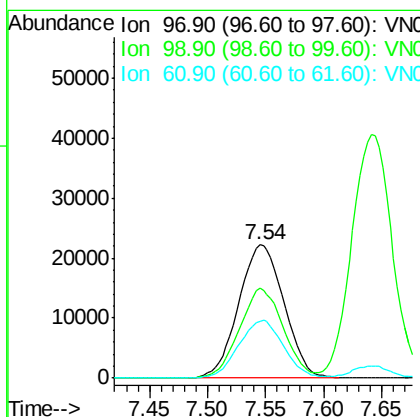
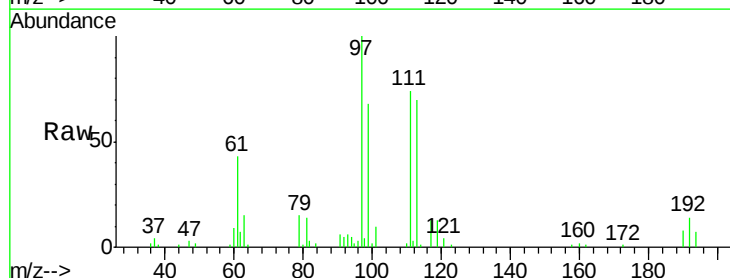
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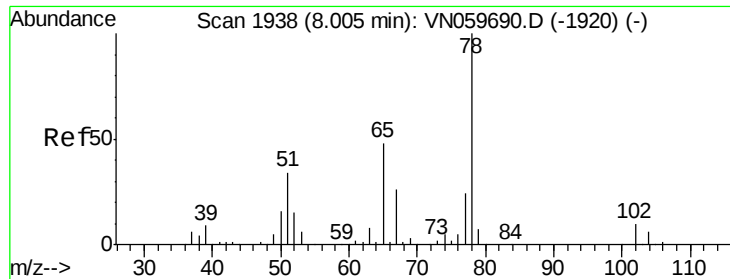
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#32
1,1,1-Trichloroethane
Concen: 19.833 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.0	76.4
61	42.6	38.5	57.7





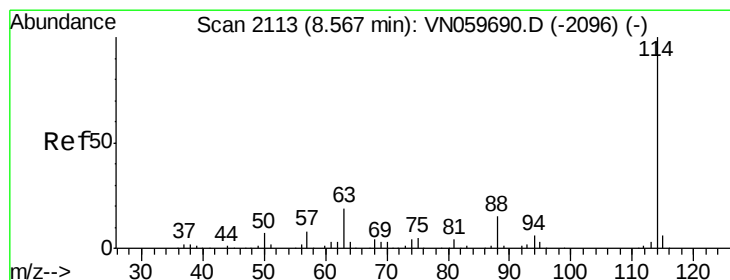
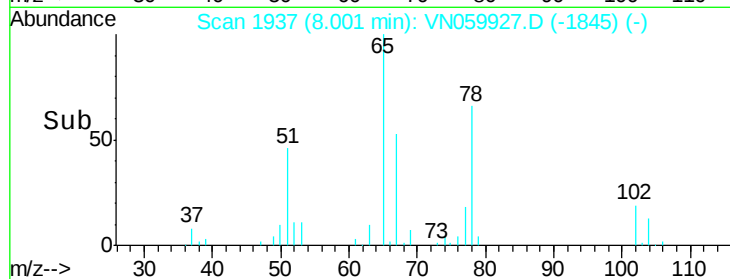
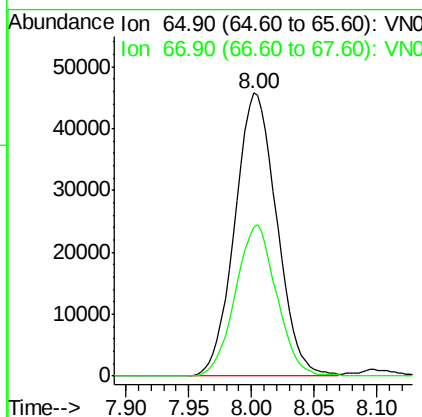
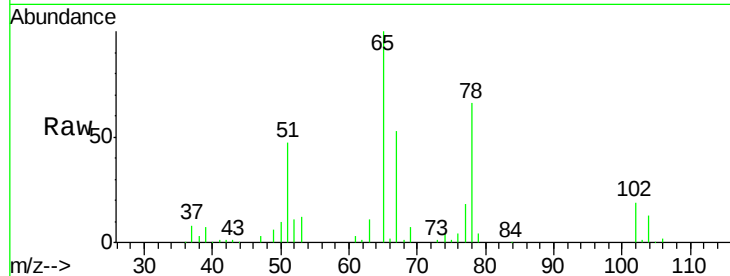
#33
 1,2-Dichloroethane-d4
 Concen: 51.331 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0130WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	103.0	

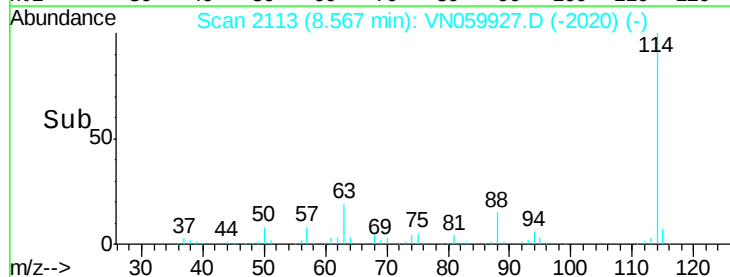
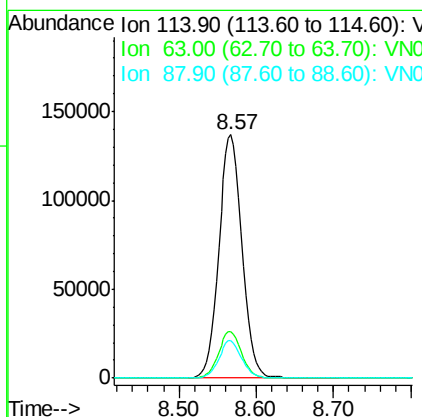
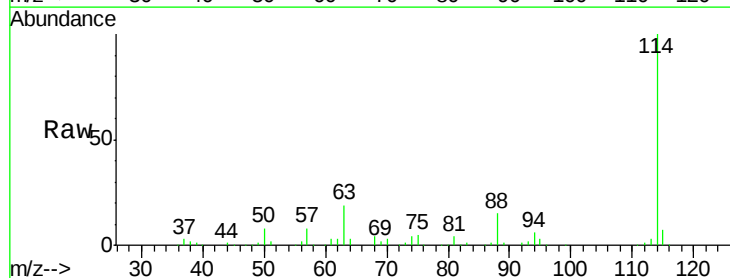
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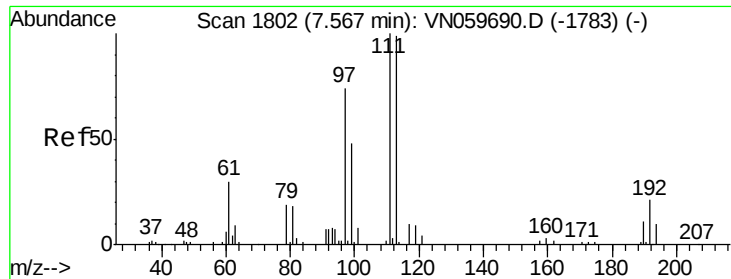
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 2/3/2020 10:40:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	43.6	
88	15.3	0.0	31.4	





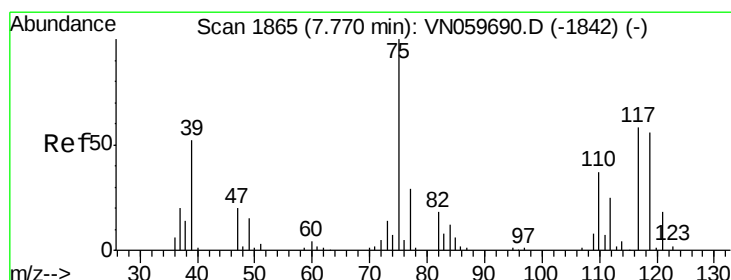
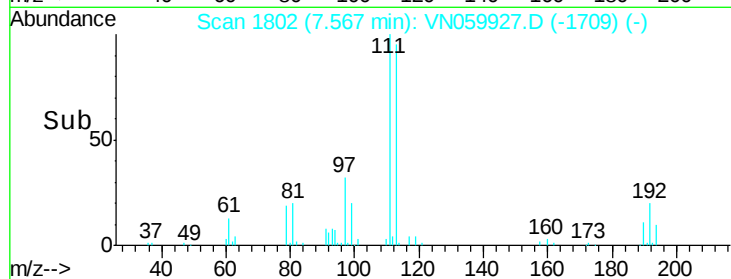
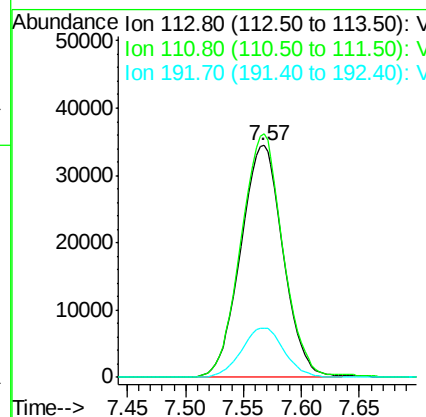
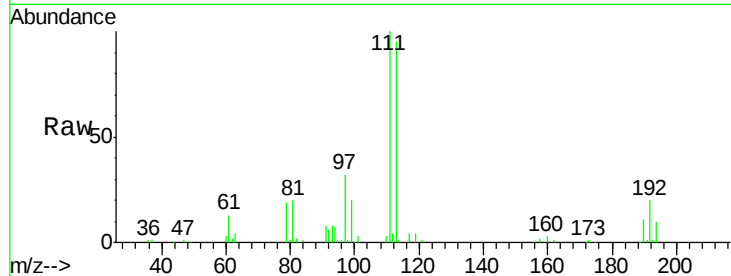
#35
 Dibromofluoromethane
 Concen: 51.553 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.5	125.3
192	21.3	15.4	23.2

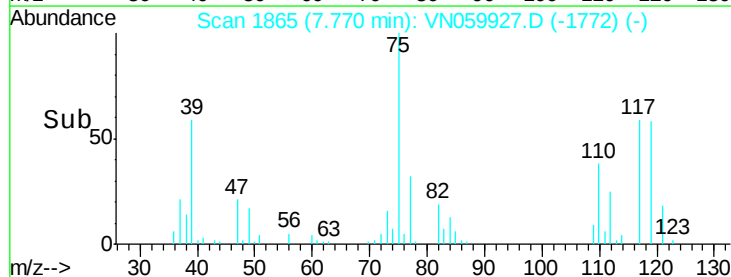
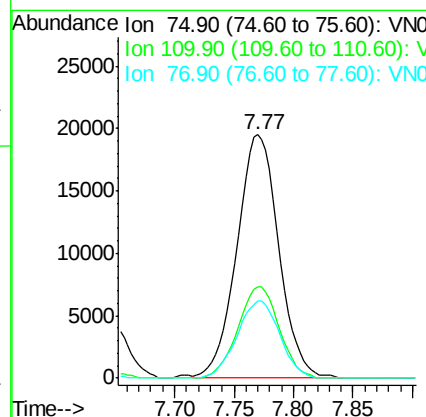
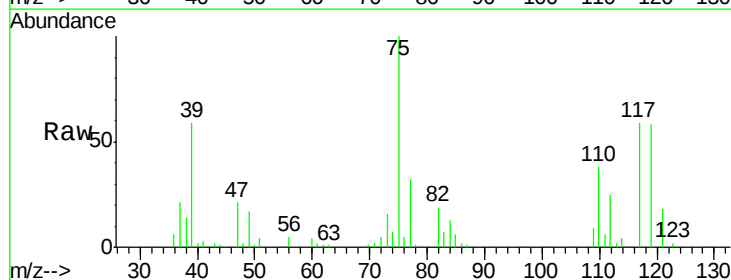
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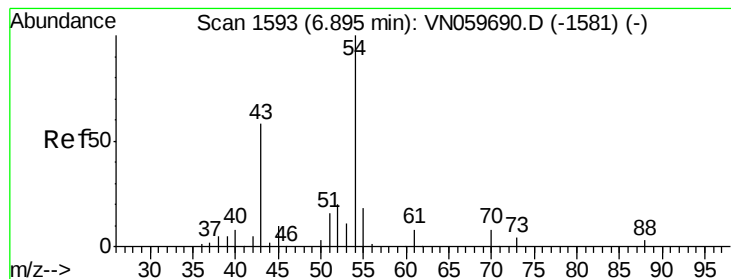
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#36
 1,1-Dichloropropene
 Concen: 19.140 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	16.6	49.7
77	32.3	25.1	37.7





#37

Ethyl Acetate

Concen: 18.703 ug/l

RT: 6.89 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

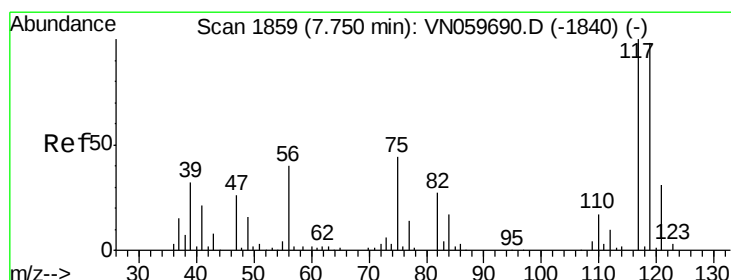
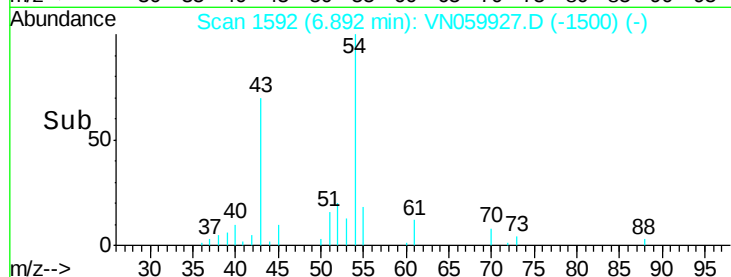
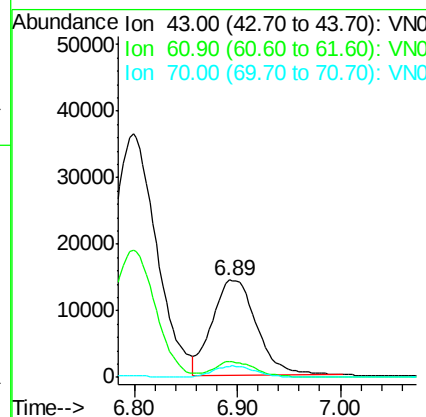
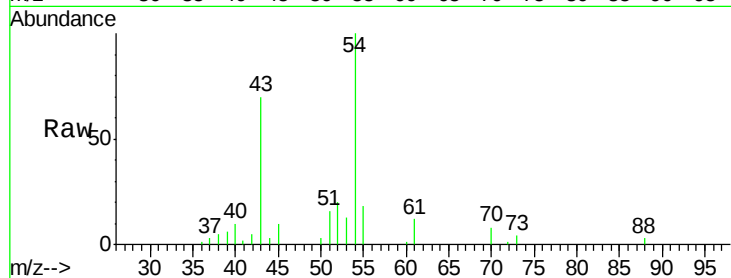
ClientSampleID :

VN0130WBS01

Tot Ion:	43	Resp:	43547
Ion	Ratio	Lower	Upper
43	100		
61	15.1	10.9	16.3
70	11.0	7.7	11.5

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#38

Carbon Tetrachloride

Concen: 19.808 ug/l

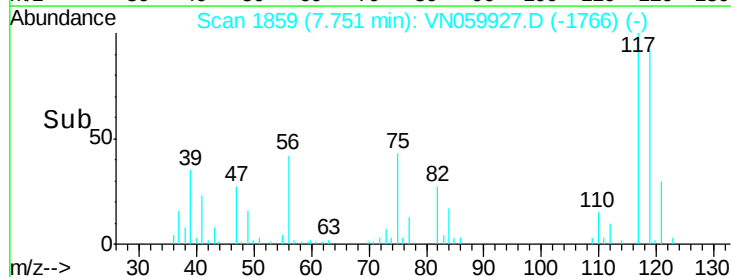
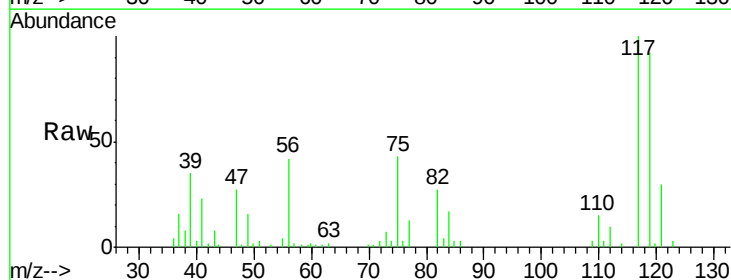
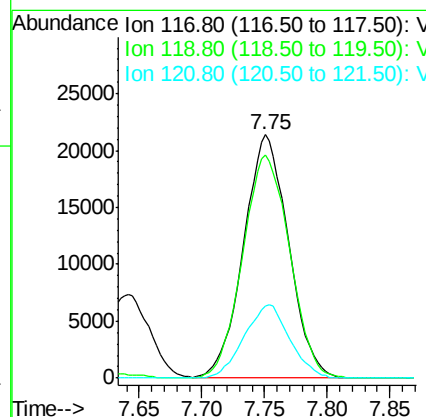
RT: 7.75 min Scan# 1859

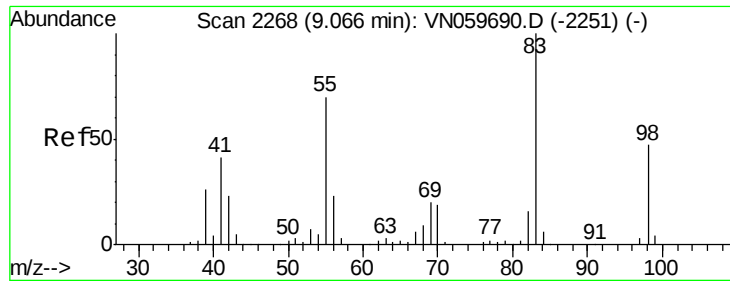
Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Tgt Ion:	117	Resp:	53490
Ion	Ratio	Lower	Upper
117	100		
119	91.5	76.5	114.7
121	29.7	25.1	37.7





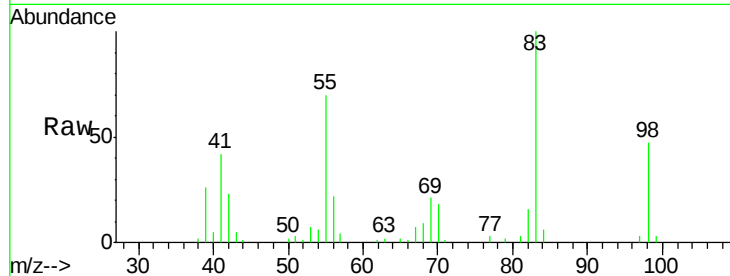
#39
Methvlcvclohexane
Concen: 19.020 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

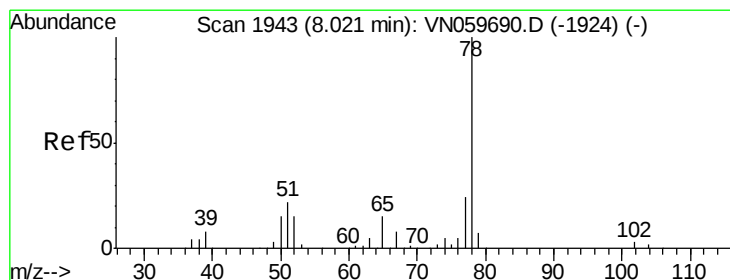
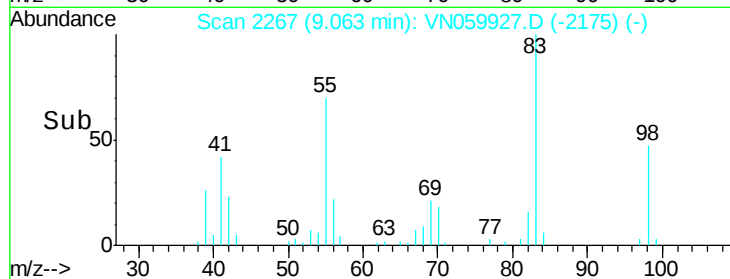
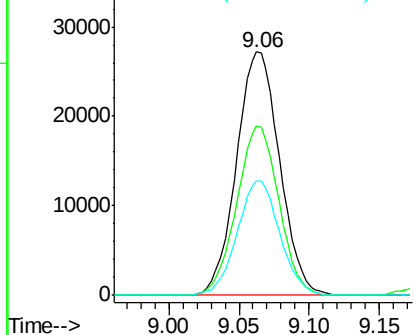
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.5	64.2	96.2	
98	47.2	35.9	53.9	

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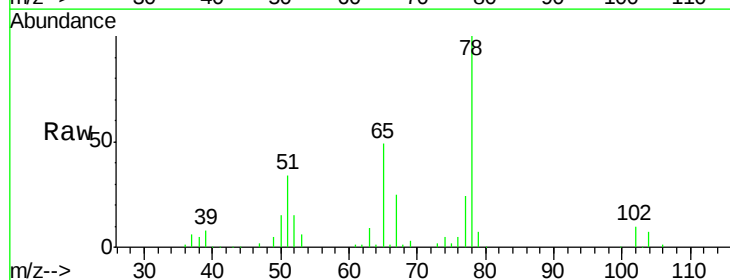


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

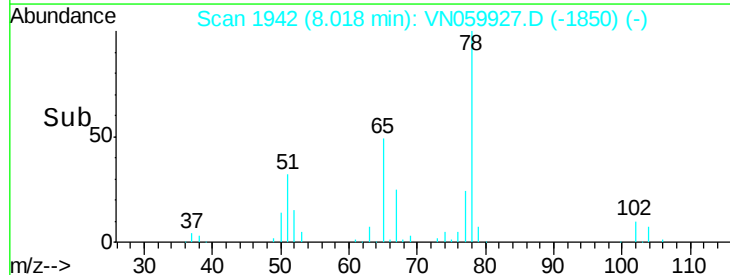
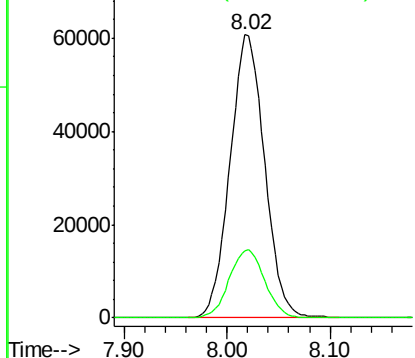


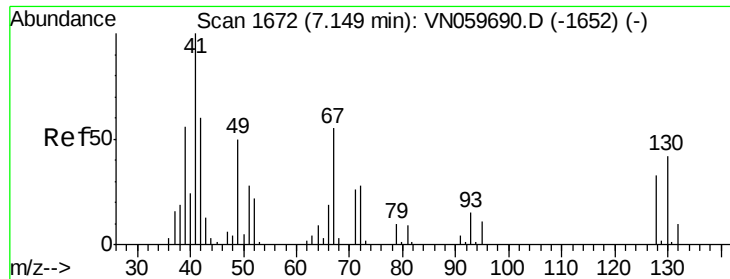
#40
Benzene
Concen: 19.156 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.9	28.3	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





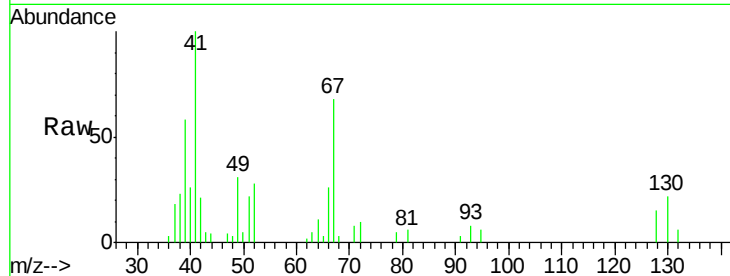
#41
Methacrylonitrile
Concen: 14.985 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion	41	Resp	17185
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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2/3/2020 10:40:43 AM

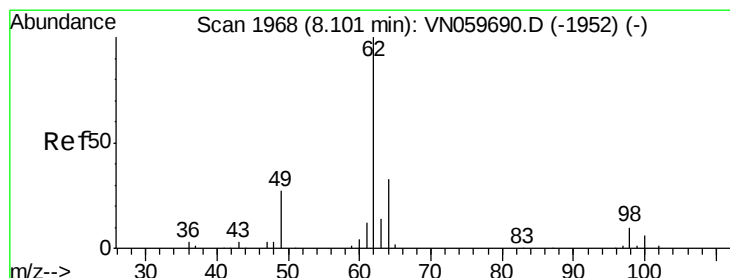
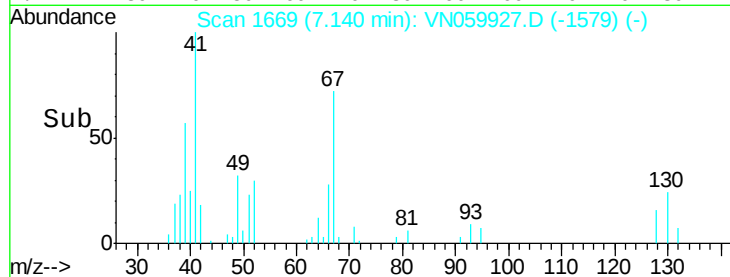
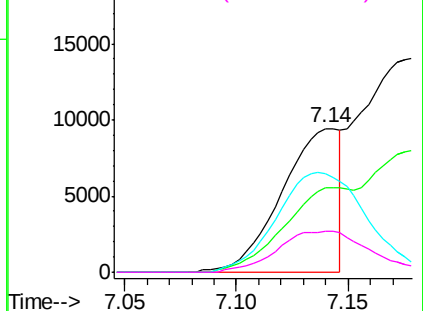


Abundance Ion 41.00 (40.70 to 41.70): VN059927.D (-1579) (-)

Ion 39.00 (38.70 to 39.70): VN059927.D (-1579) (-)

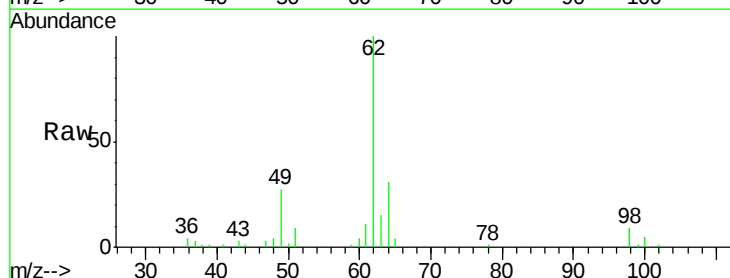
Ion 67.00 (66.70 to 67.70): VN059927.D (-1579) (-)

Ion 52.00 (51.70 to 52.70): VN059927.D (-1579) (-)



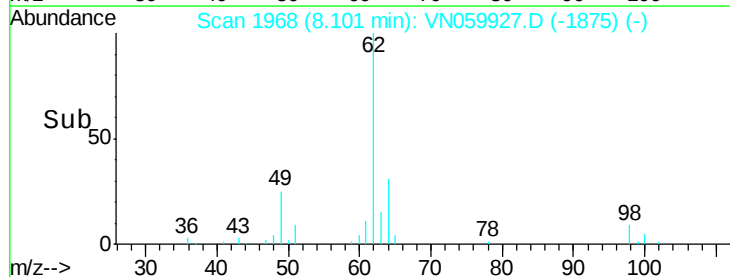
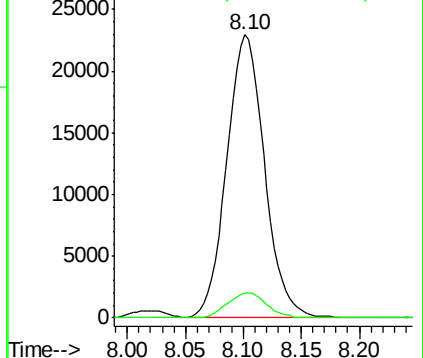
#42
1,2-Dichloroethane
Concen: 20.666 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

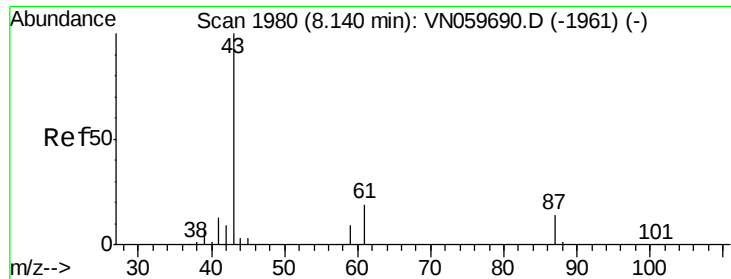
Tgt Ion	62	Resp	51876
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN059927.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN059927.D (-1875) (-)





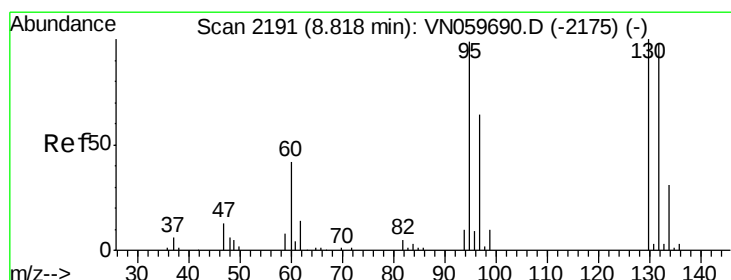
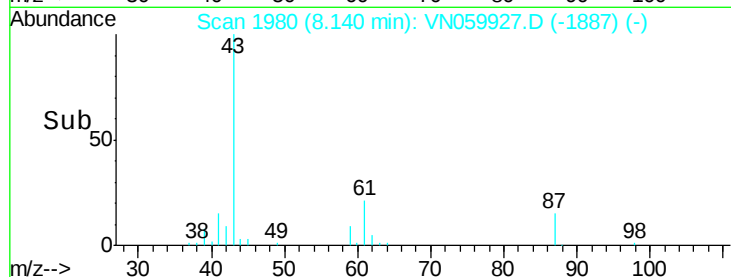
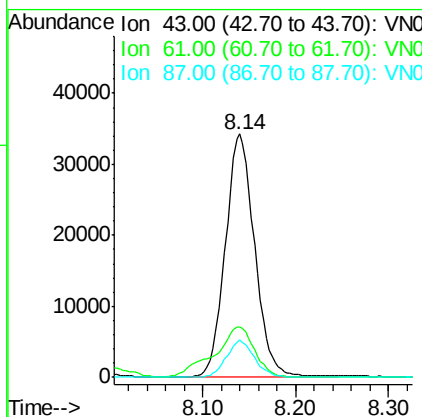
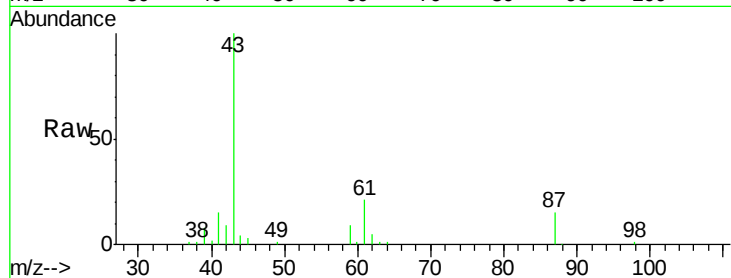
#43
Isopropyl Acetate
Concen: 18.817 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	20.2	30.2
87	14.5	9.5	14.3

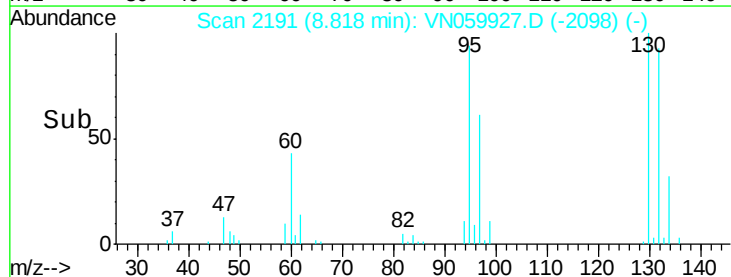
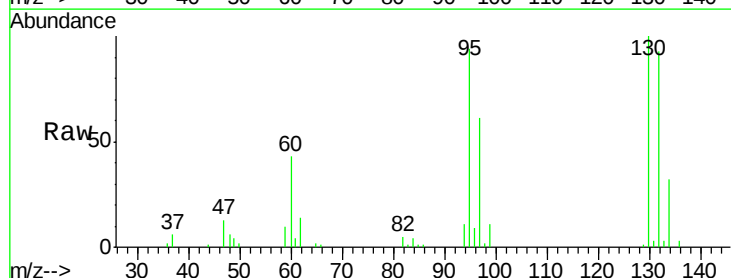
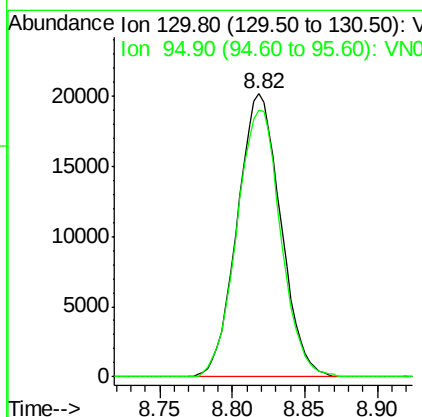
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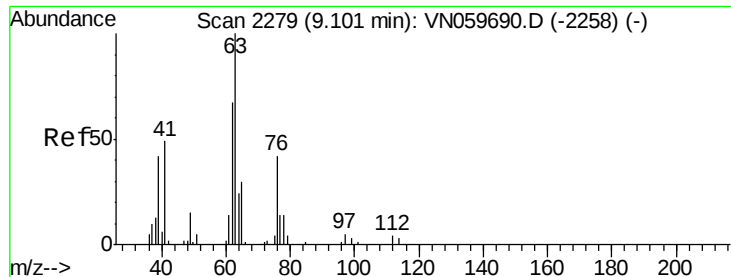
MMDadoda
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#44
Trichloroethene
Concen: 20.721 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.245 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion: 63 Resp: 37088

Ion Ratio Lower Upper

63 100

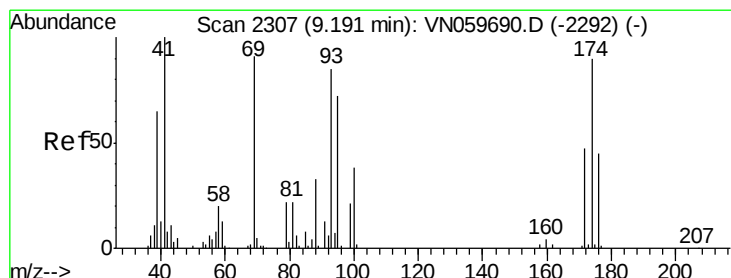
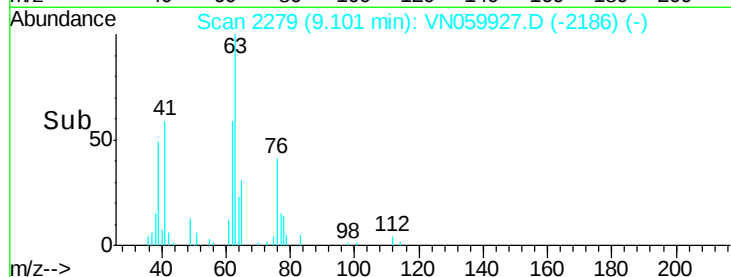
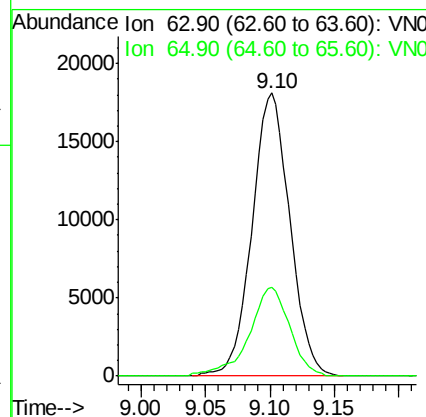
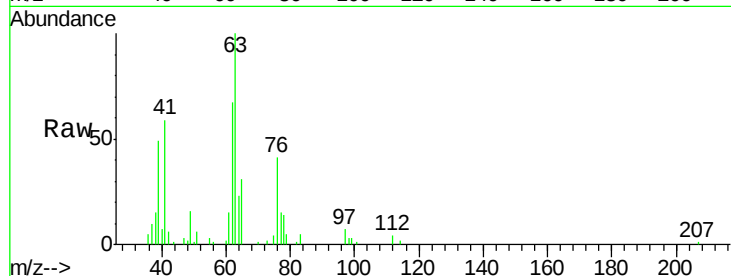
65 31.5 24.9 37.3

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#46

Dibromomethane

Concen: 20.150 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

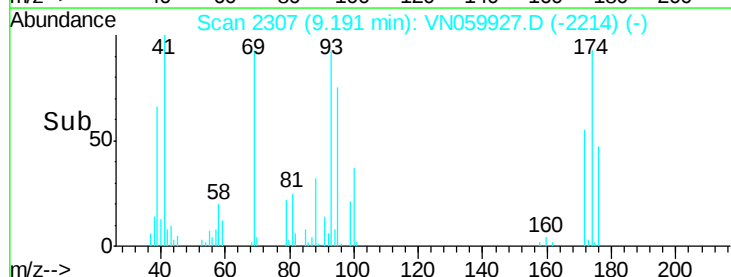
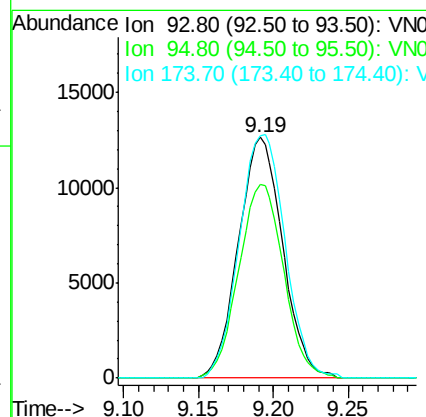
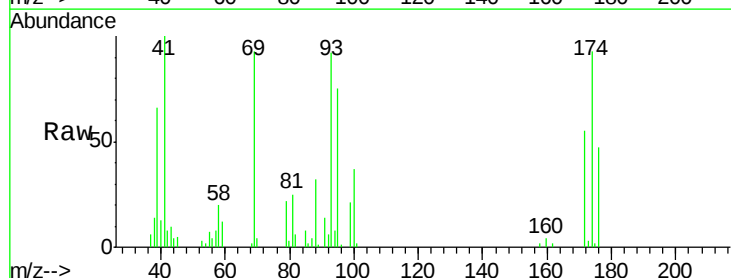
Tgt Ion: 93 Resp: 26040

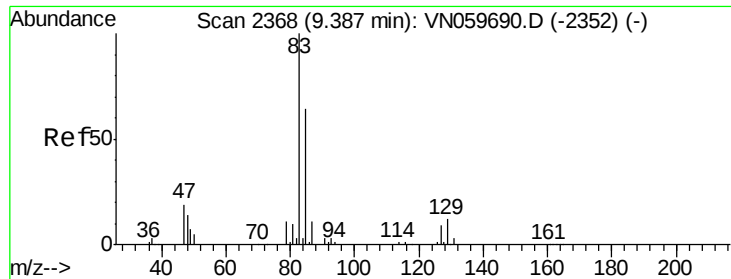
Ion Ratio Lower Upper

93 100

95 81.6 67.0 100.6

174 104.6 73.4 110.2





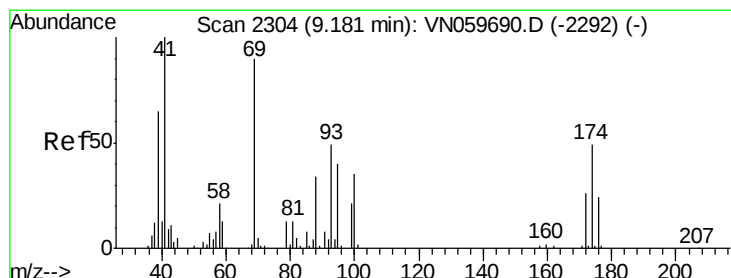
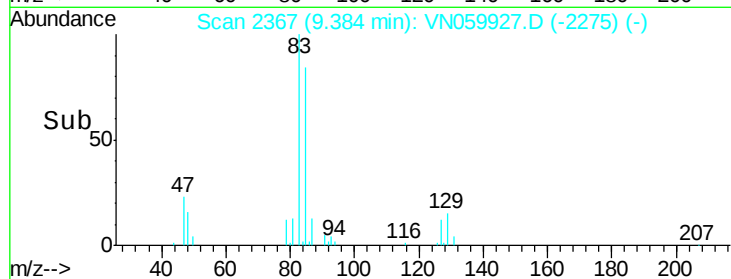
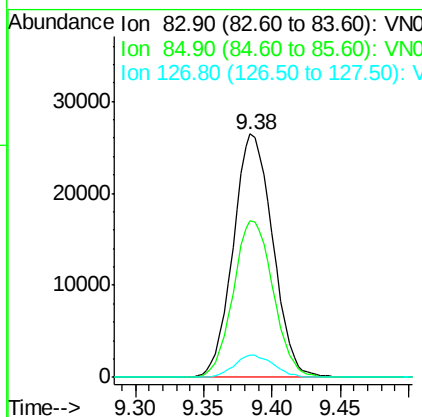
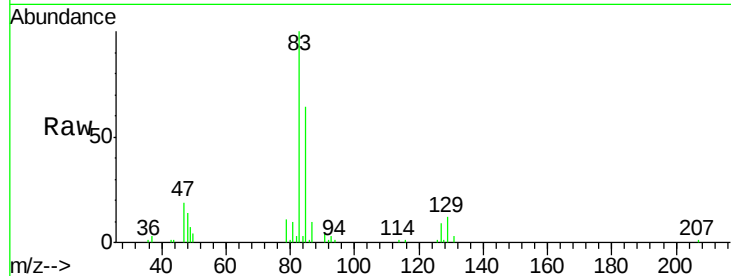
#47
Bromodichloromethane
Concen: 20.432 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion	83	Resp	53210
Ion Ratio	100	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	9.1	6.6	9.8

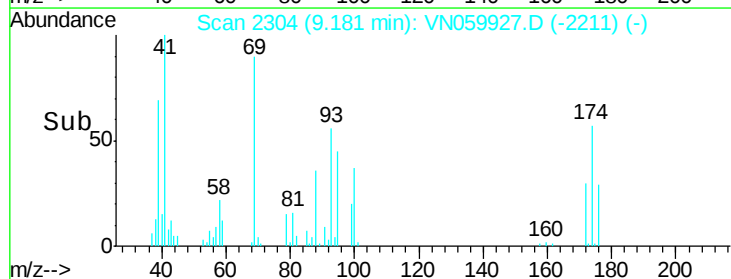
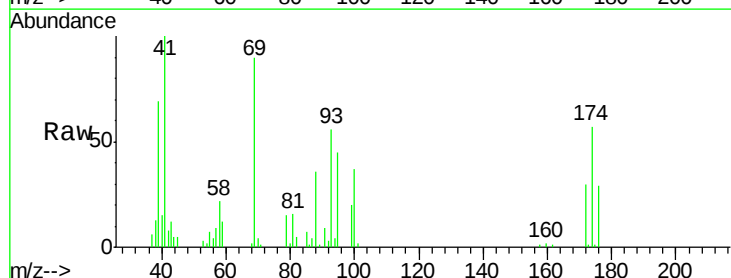
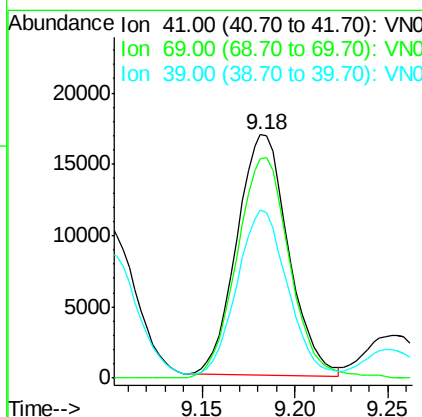
Manual Integrations
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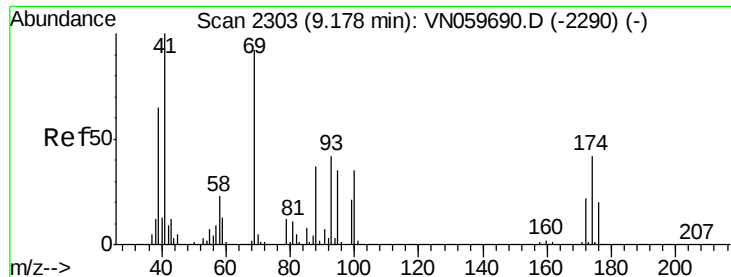
MMDadoda
2/3/2020 10:40:43 AM



#48
Methyl methacrylate
Concen: 18.136 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	41	Resp	32487
Ion Ratio	100	Lower	Upper
41	100		
69	94.3	64.4	96.6
39	69.9	51.3	76.9





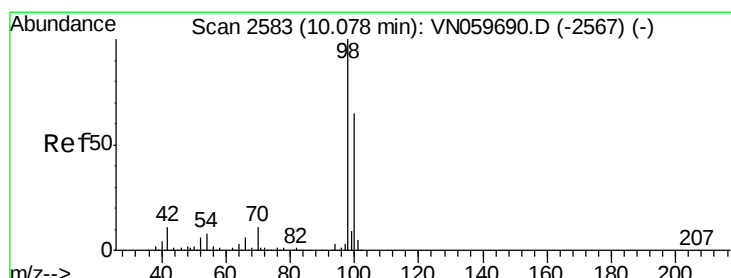
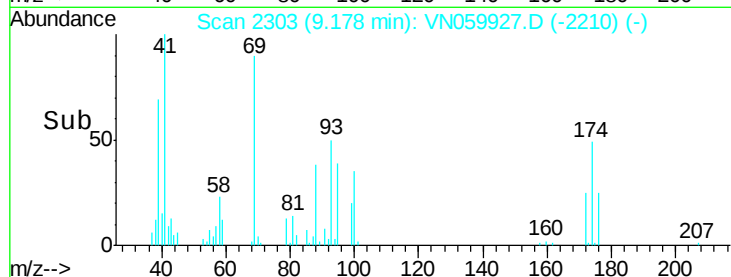
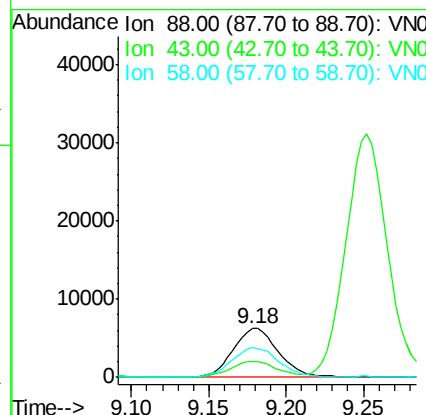
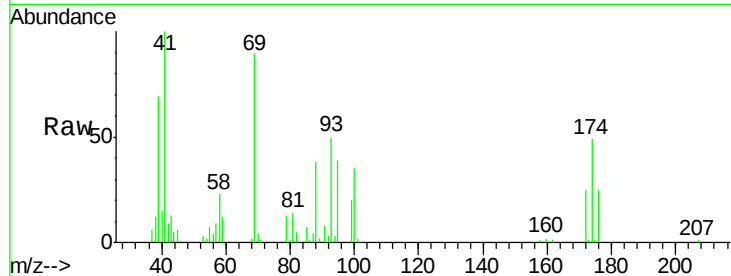
#49
1,4-Dioxane
Concen: 388.044 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	29.7	44.5
58	62.9	56.6	85.0

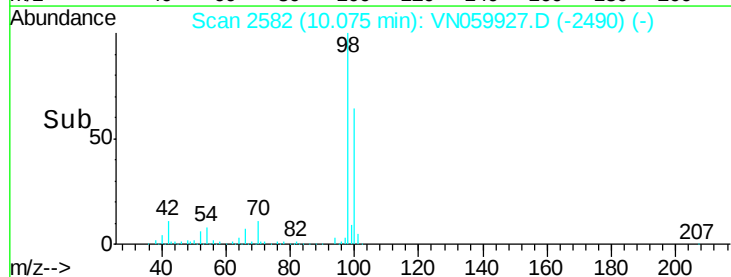
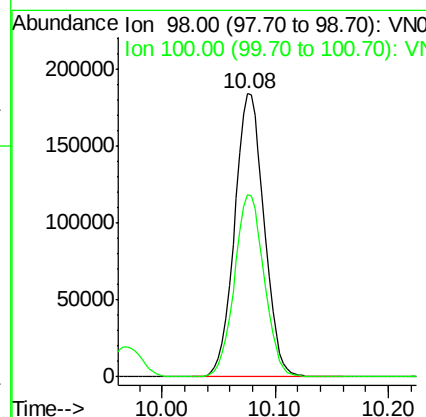
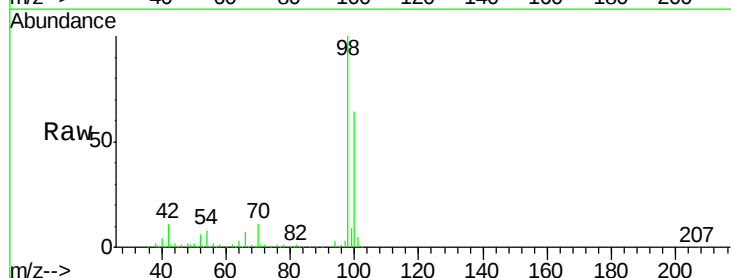
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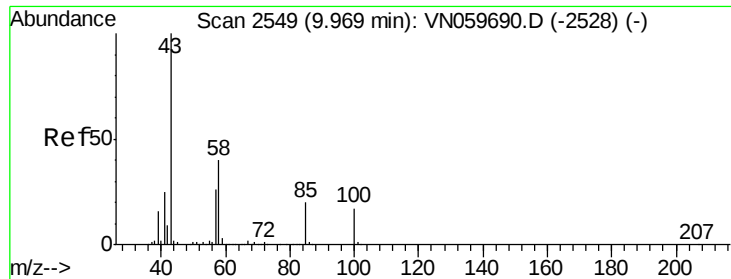
MMDadoda
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#50
Toluene-d8
Concen: 50.722 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 95.385 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

VN0130WBS01

Tot Ion: 43 Resp: 220820

Ion Ratio Lower Upper

43 100

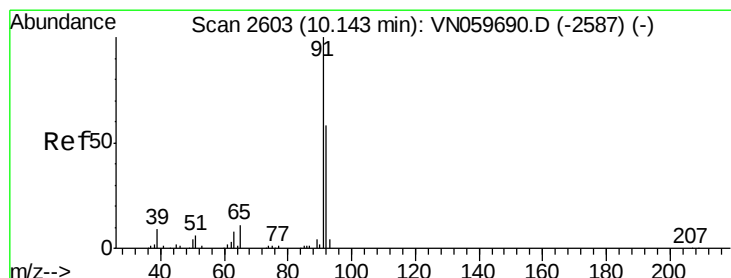
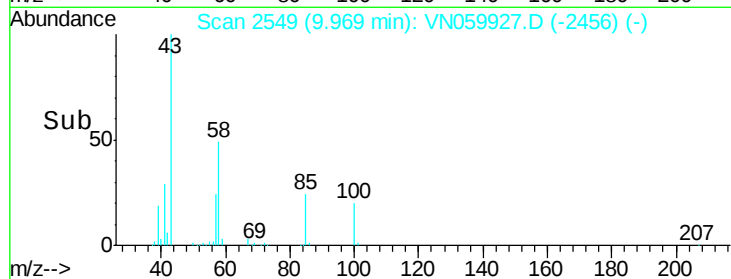
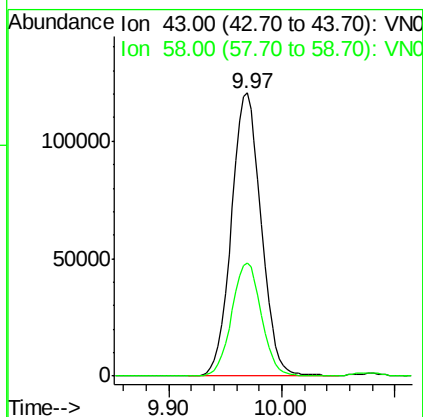
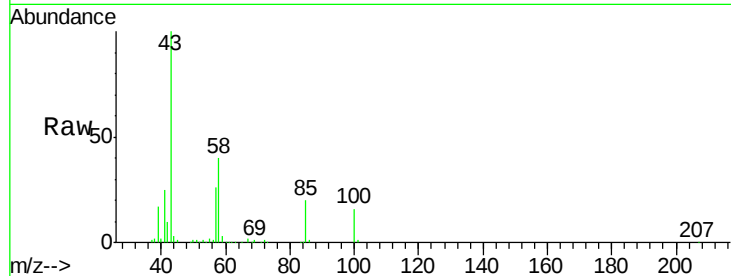
58 39.8 29.8 44.8

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#52

Toluene

Concen: 19.747 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059927.D

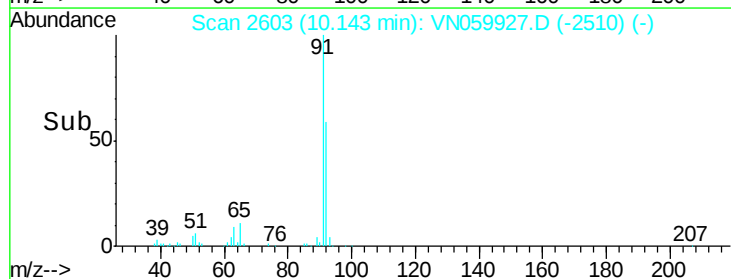
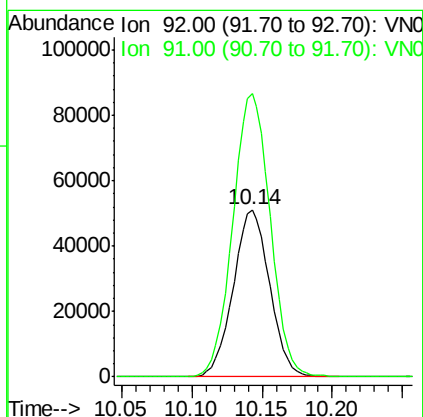
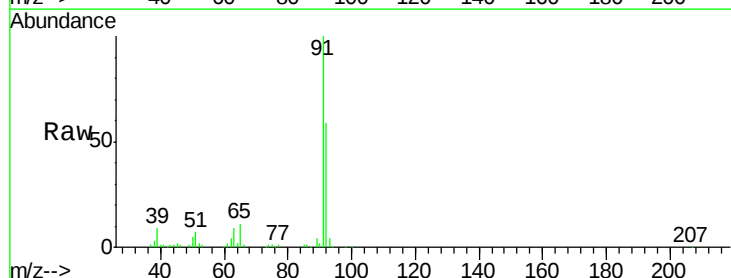
Acq: 30 Jan 2020 14:31

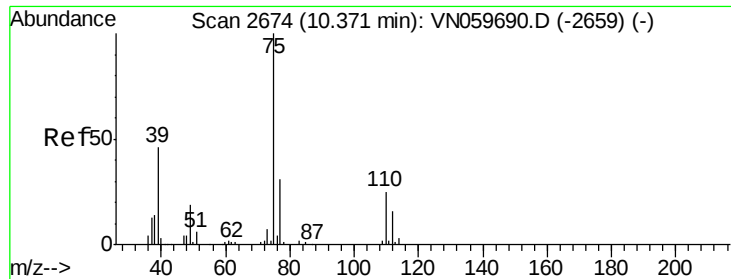
Tgt Ion: 92 Resp: 92346

Ion Ratio Lower Upper

92 100

91 174.0 140.4 210.6





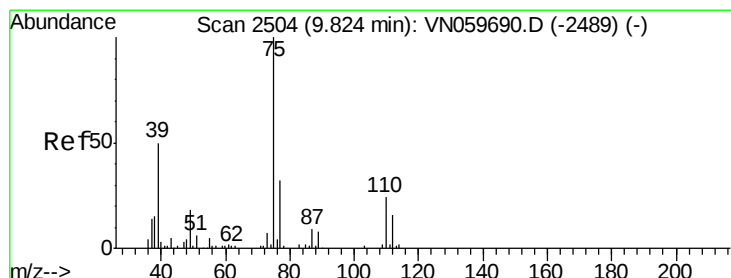
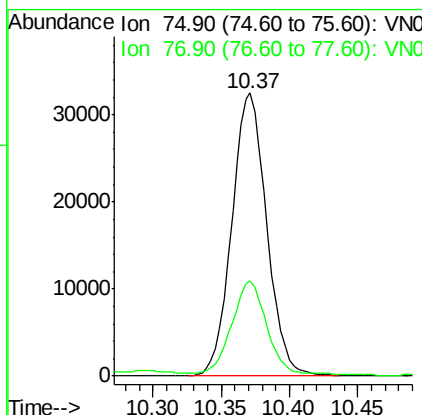
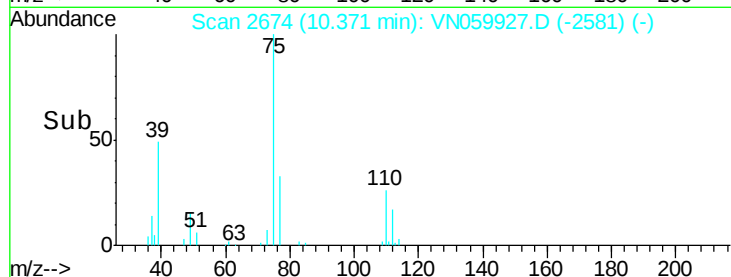
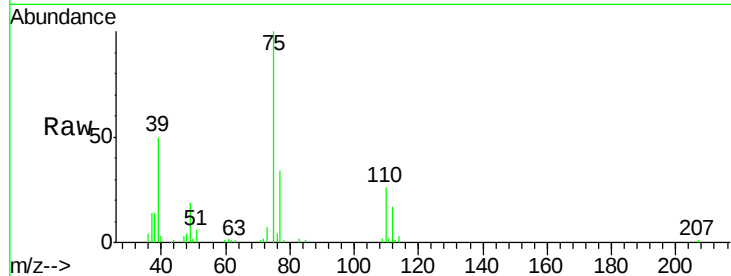
#53
t-1,3-Dichloropropene
Concen: 19.822 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion: 75 Resp: 57638
Ion Ratio Lower Upper
75 100
77 33.2 25.4 38.2

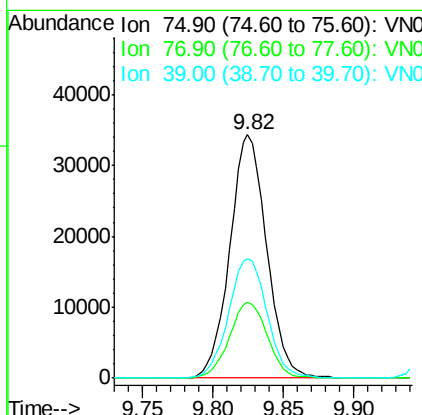
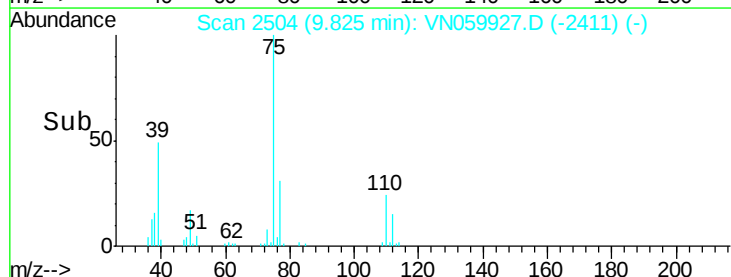
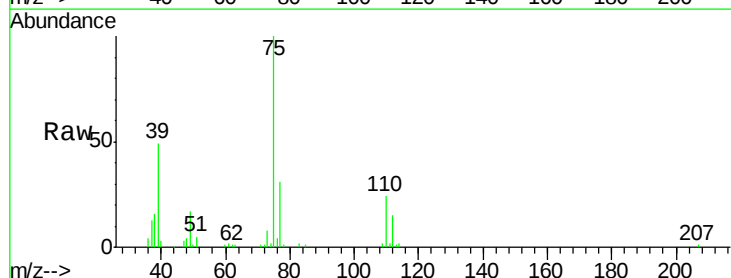
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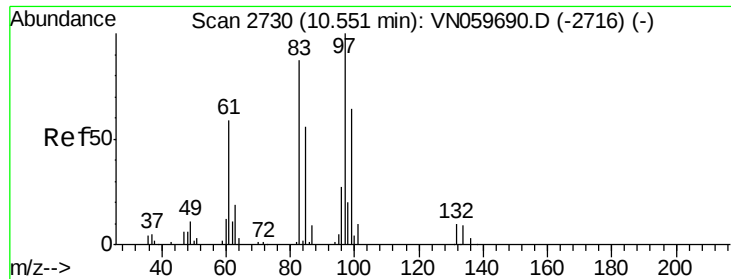
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2/3/2020 10:40:43 AM



#54
cis-1,3-Dichloropropene
Concen: 20.487 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion: 75 Resp: 62680
Ion Ratio Lower Upper
75 100
77 31.4 25.1 37.7
39 49.2 46.1 69.1





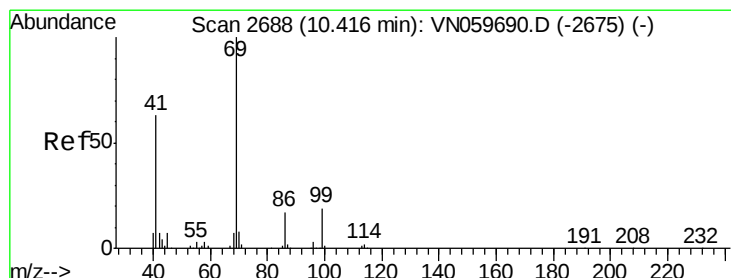
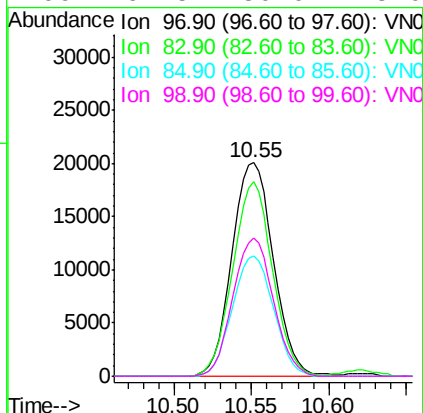
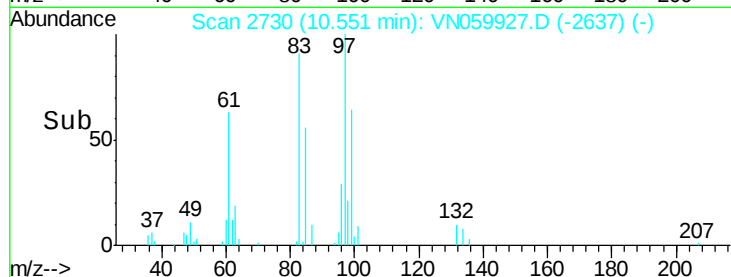
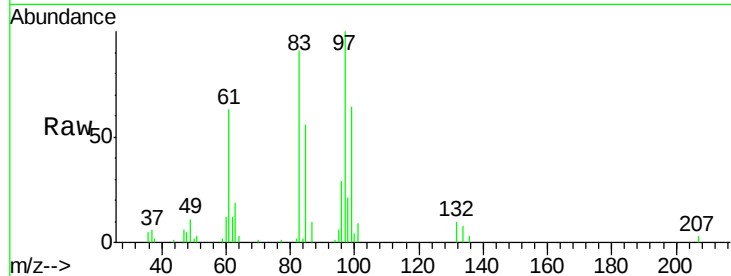
#55
 1,1,2-Trichloroethane
 Concen: 20.217 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.3	106.9
85	56.3	45.8	68.8
99	64.5	50.0	75.0

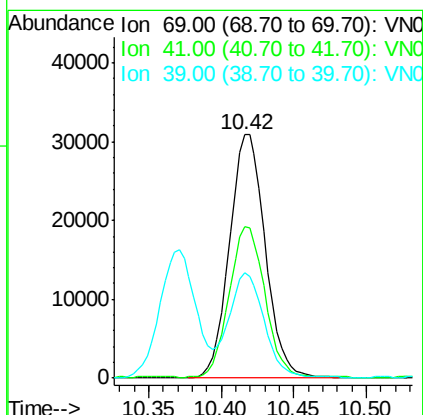
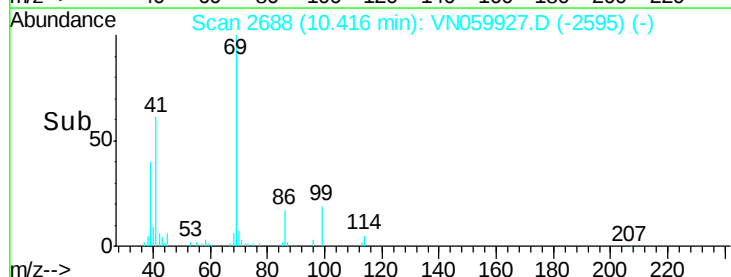
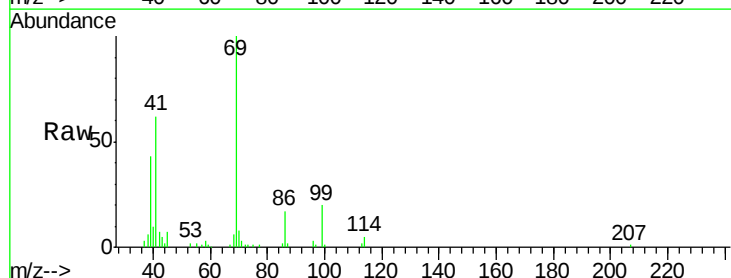
Manual Integrations
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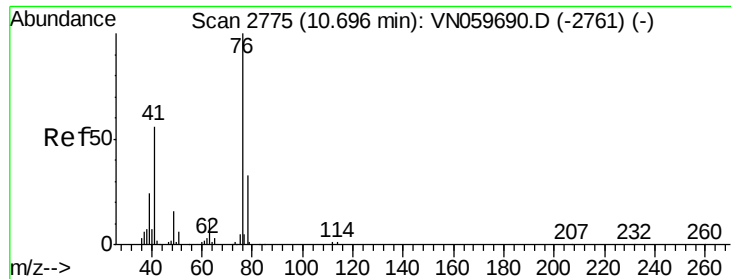
MMDadoda
 2/3/2020 10:40:43 AM



#56
 Ethyl methacrylate
 Concen: 18.717 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.9	57.1	85.7
39	42.0	34.7	52.1





#57

1,3-Dichloropropane

Concen: 20.374 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion: 76 Resp: 59910

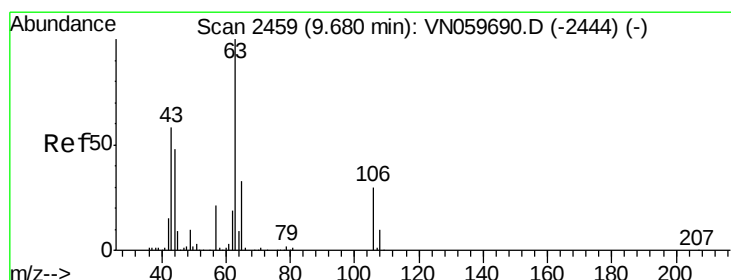
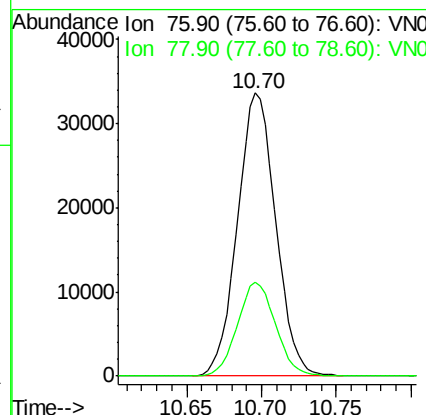
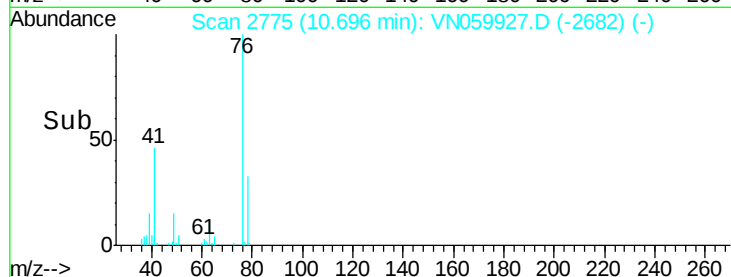
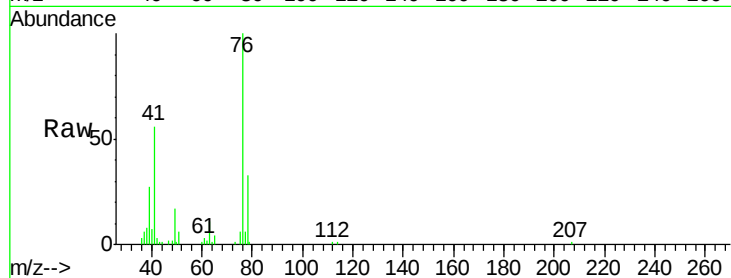
Ion Ratio Lower Upper

76 100

78 32.9 25.8 38.8

Manual Integrations
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2/3/2020 10:40:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.140 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059927.D

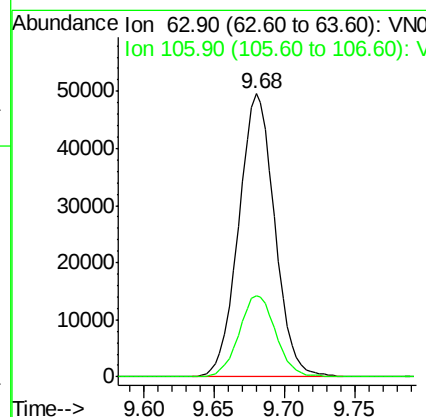
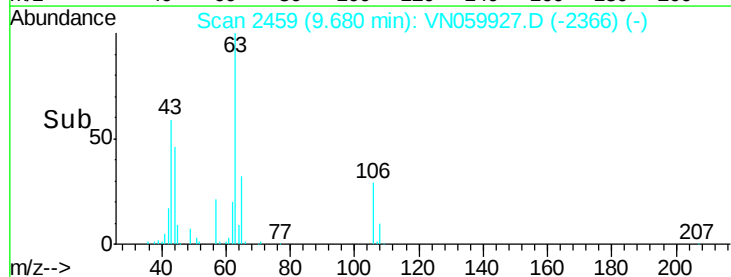
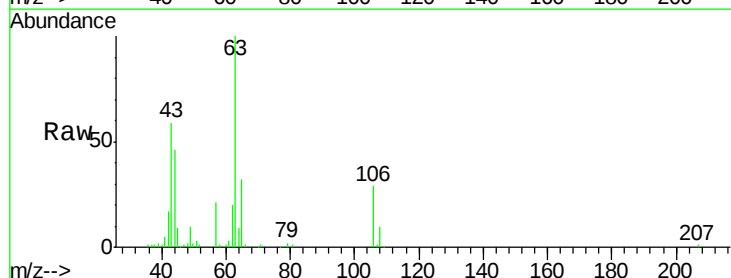
Acq: 30 Jan 2020 14:31

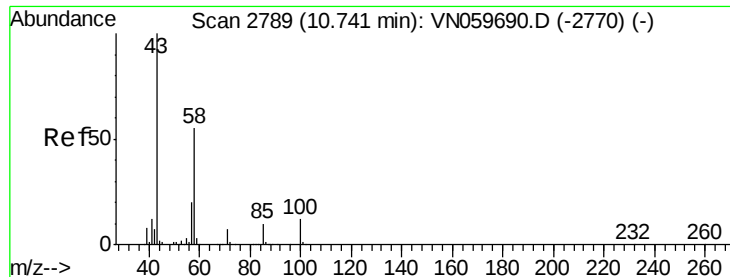
Tgt Ion: 63 Resp: 88771

Ion Ratio Lower Upper

63 100

106 29.1 20.2 30.2





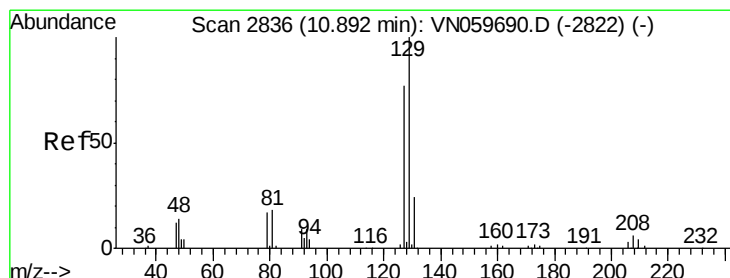
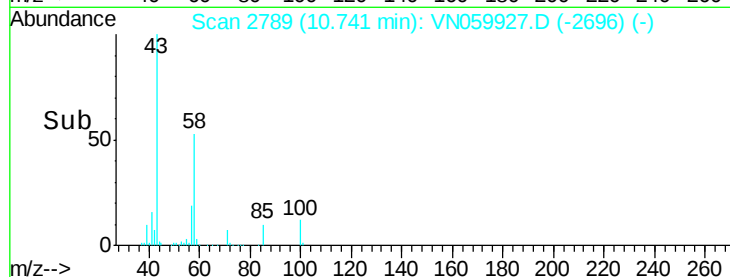
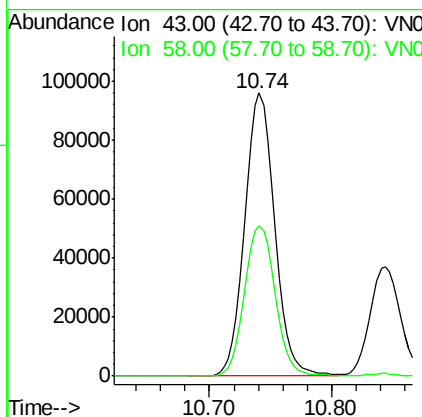
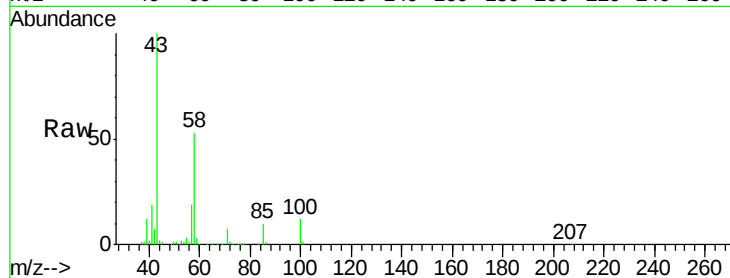
#59
2-Hexanone
Concen: 94.963 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampled :
VN0130WBS01

Tot Ion: 43 Resp: 161959
Ion Ratio Lower Upper
43 100
58 54.5 25.8 77.3

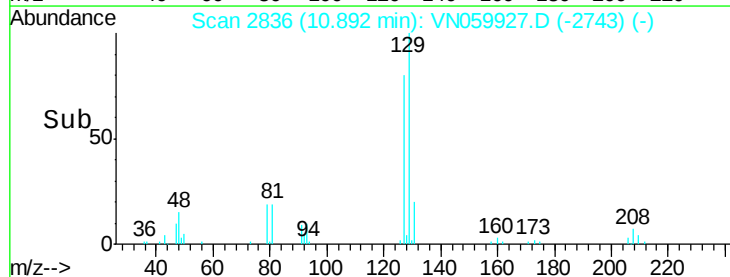
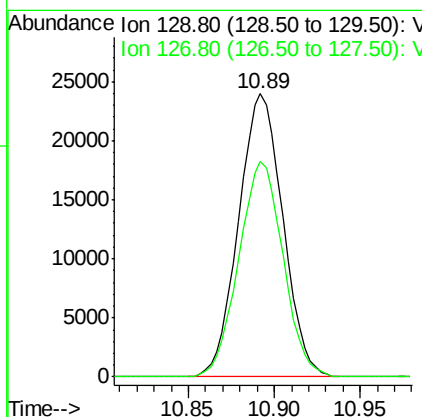
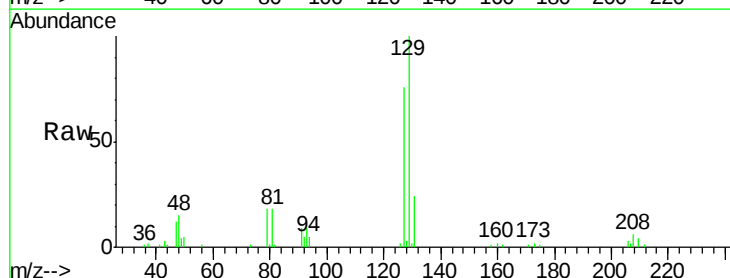
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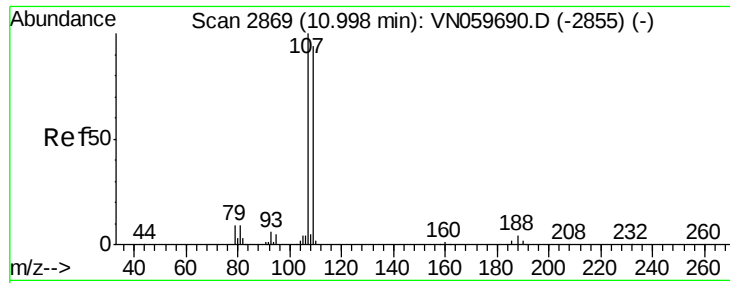
MMDadoda
2/3/2020 10:40:43 AM



#60
Dibromochloromethane
Concen: 20.289 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion: 129 Resp: 42792
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





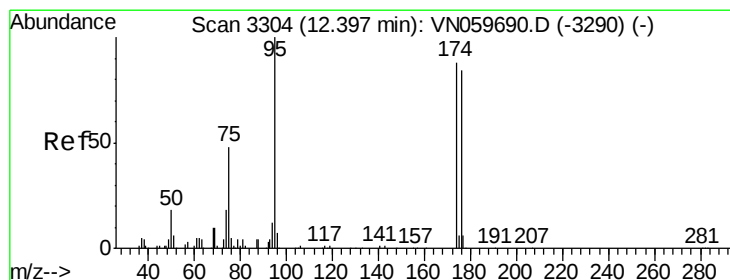
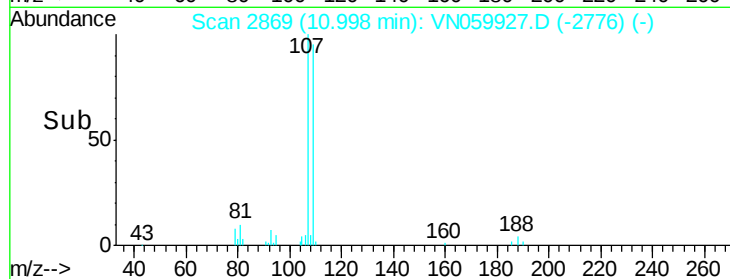
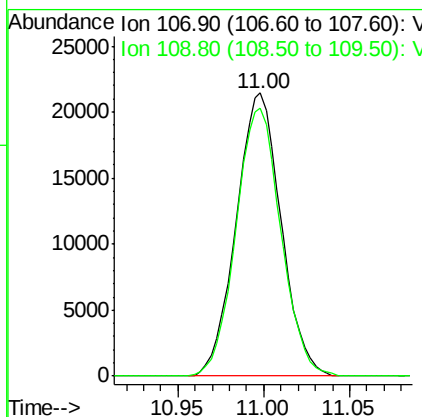
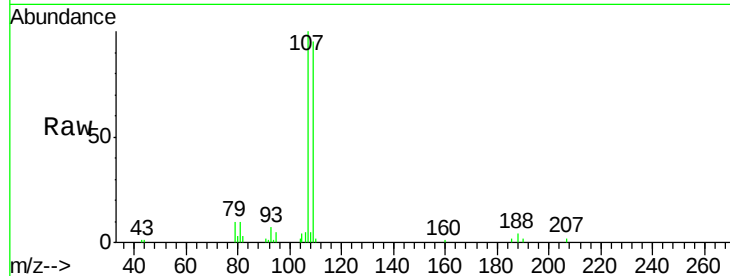
#61
 1,2-Dibromoethane
 Concen: 20.009 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Tot Ion: 107 Resp: 38843
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.6 115.0

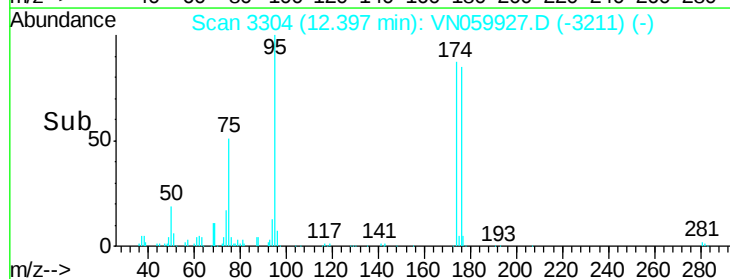
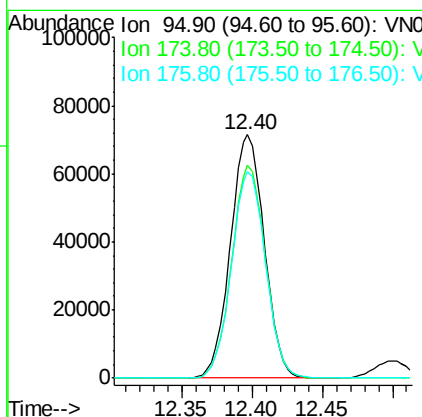
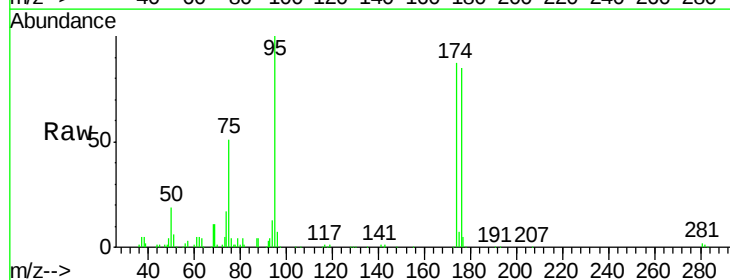
Manual Integrations
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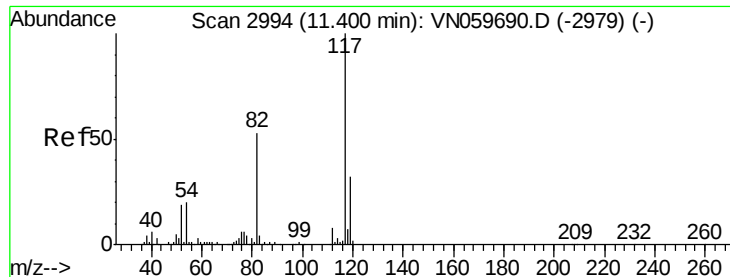
MMDadoda
 2/3/2020 10:40:43 AM



#62
 4-Bromofluorobenzene
 Concen: 50.617 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion: 95 Resp: 120186
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 151.4
 176 85.2 0.0 146.0





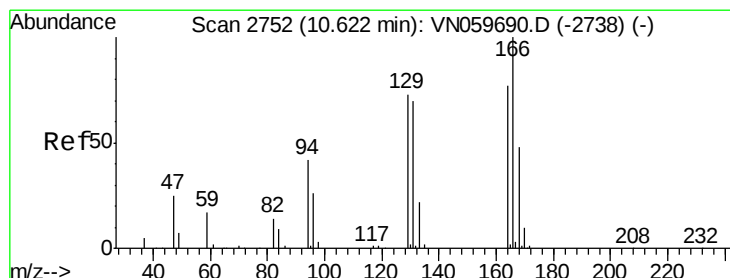
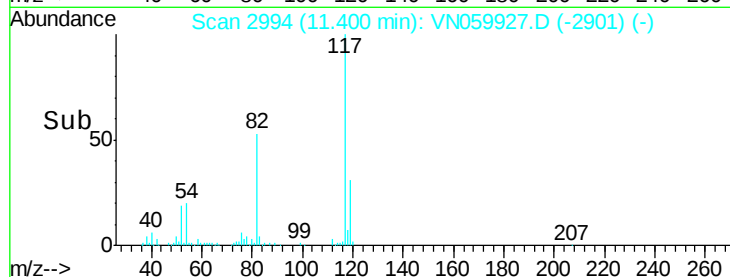
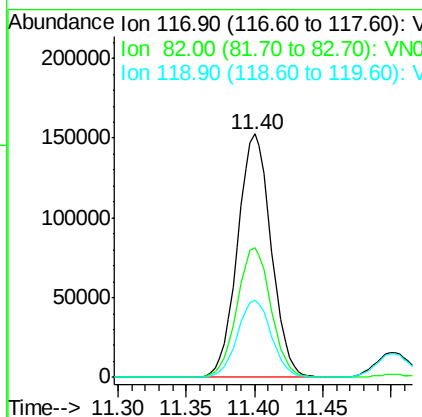
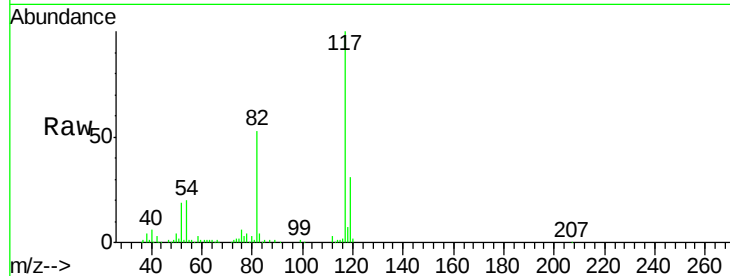
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	260937		
82	53.2		45.9	68.9
119	31.5		25.5	38.3

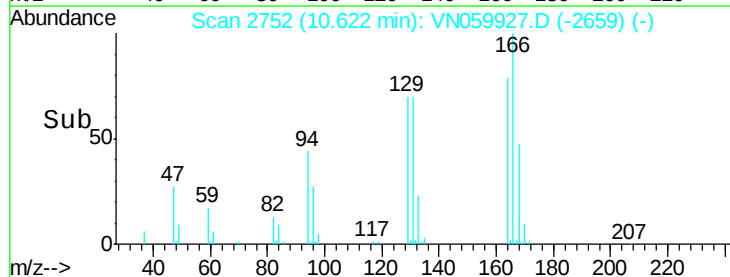
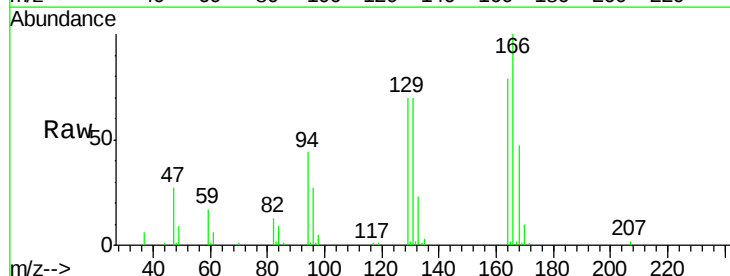
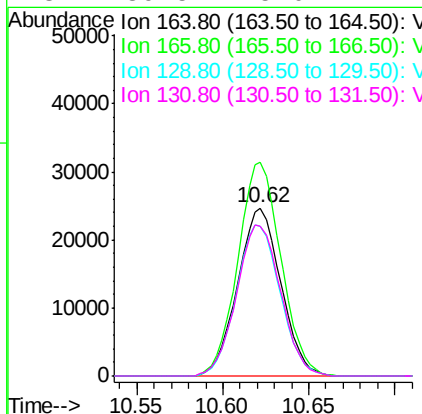
Manual Integrations
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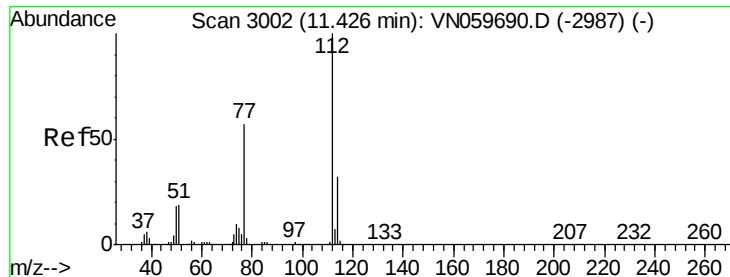
MMDadoda
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#64
Tetrachloroethene
Concen: 20.195 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42948		
166	127.3		101.4	152.0
129	89.0		80.2	120.4
131	89.5		75.0	112.4





#65

Chlorobenzene

Concen: 19.822 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion:112 Resp: 101666

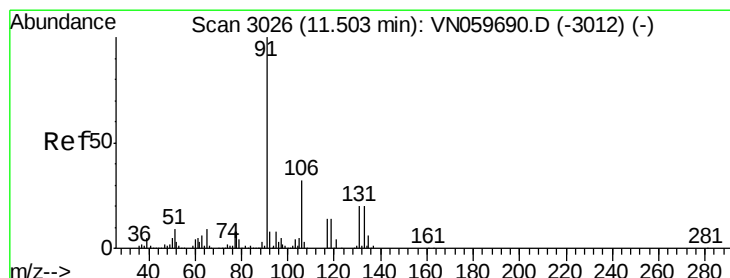
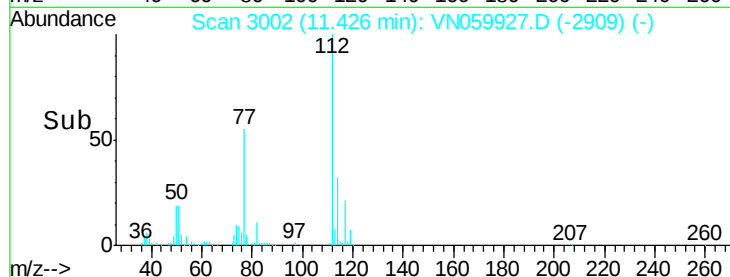
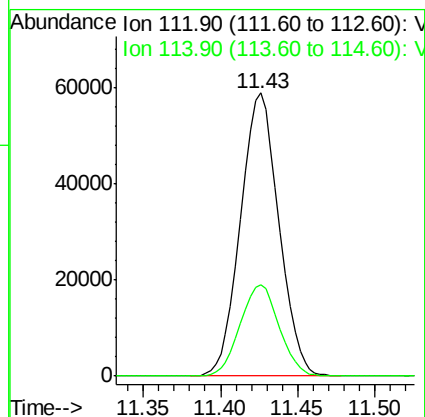
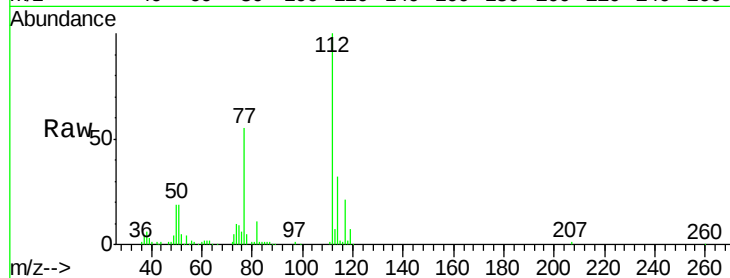
Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8

Manual Integrations
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MMDadoda
2/3/2020 10:40:43 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.258 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

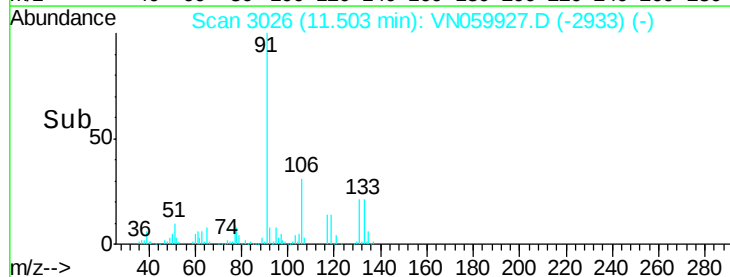
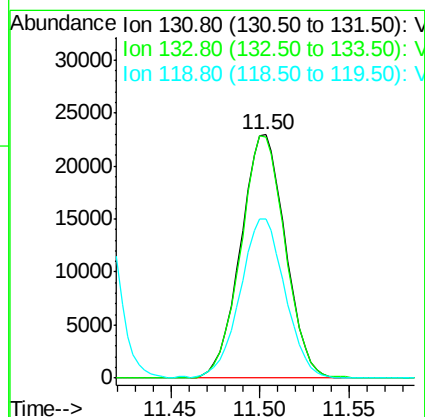
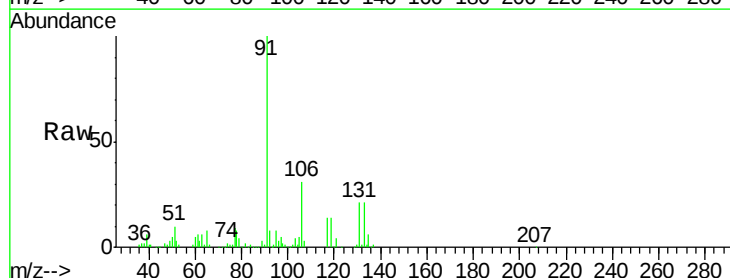
Tgt Ion:131 Resp: 40146

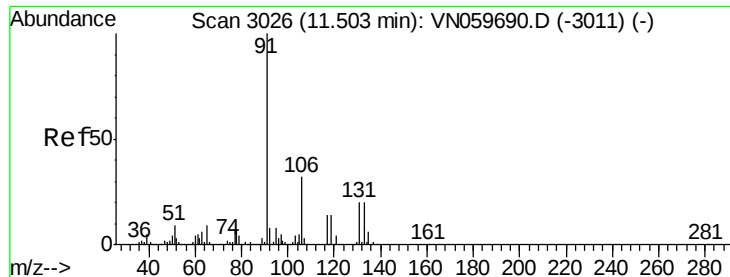
Ion Ratio Lower Upper

131 100

133 98.8 47.4 142.2

119 65.6 33.1 99.3





#67

Ethyl Benzene

Concen: 19.436 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

VN0130WBS01

Tot Ion: 91 Resp: 180954

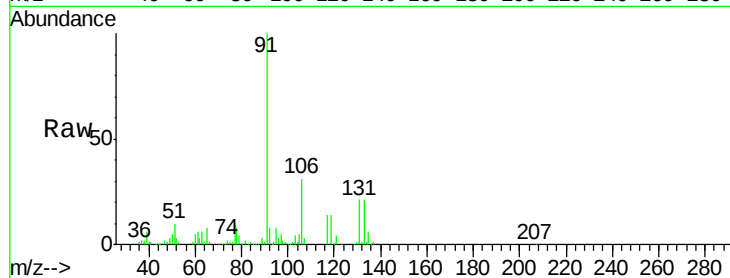
Ion Ratio Lower Upper

91 100

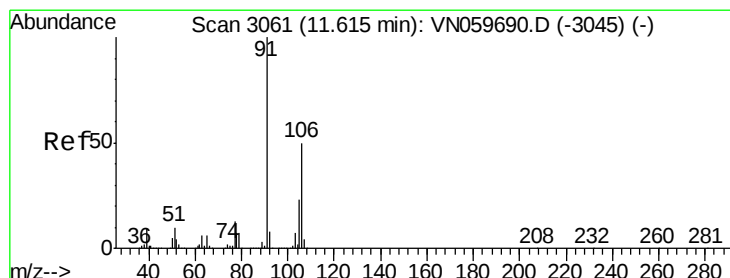
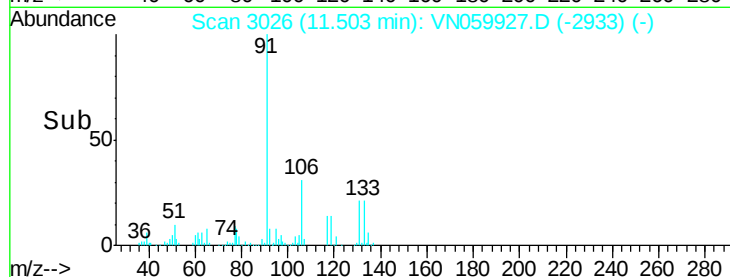
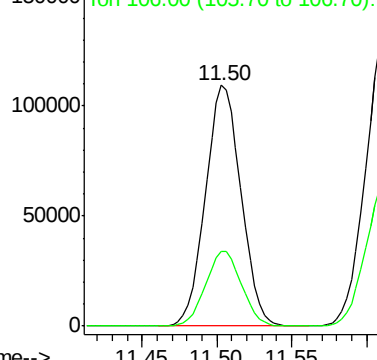
106 31.1 24.1 36.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN059927.D (-2933) (-)



#68

m/p-Xylenes

Concen: 38.700 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059927.D

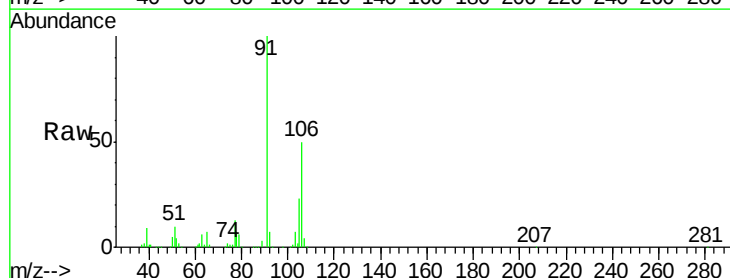
Acq: 30 Jan 2020 14:31

Tgt Ion: 106 Resp: 136105

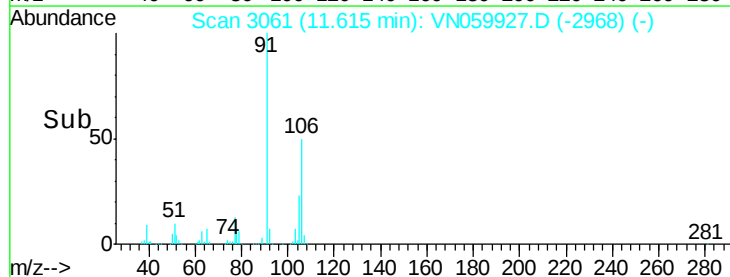
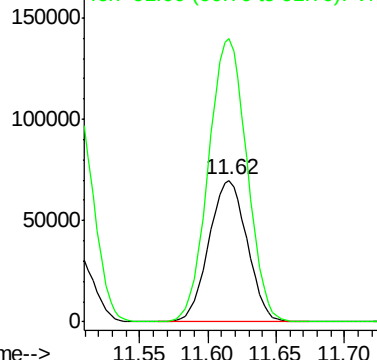
Ion Ratio Lower Upper

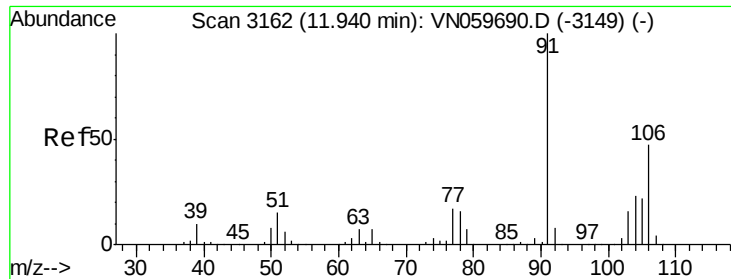
106 100

91 201.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059927.D (-2968) (-)





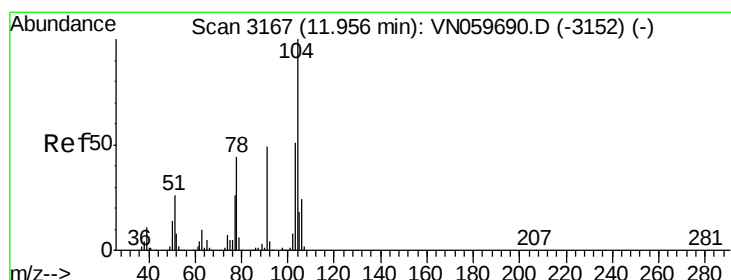
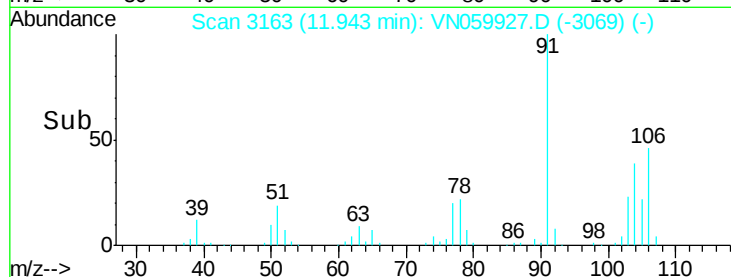
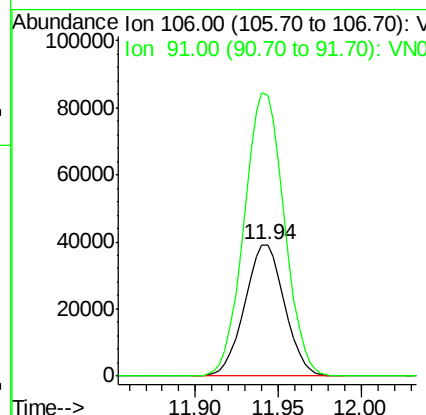
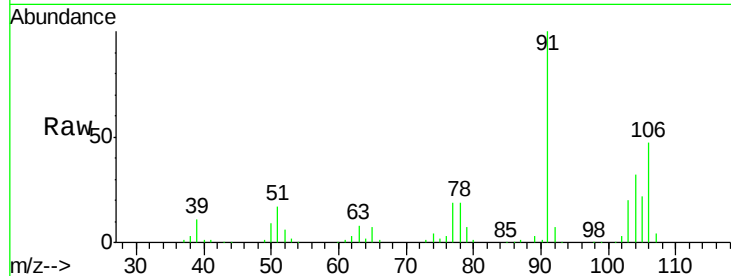
#69
o-Xylene
Concen: 18.984 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion:106 Resp: 65363
Ion Ratio Lower Upper
106 100
91 217.3 110.3 330.9

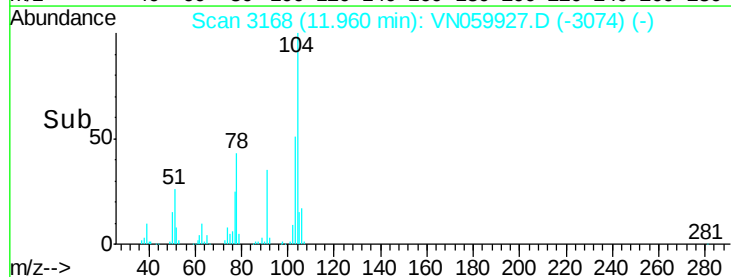
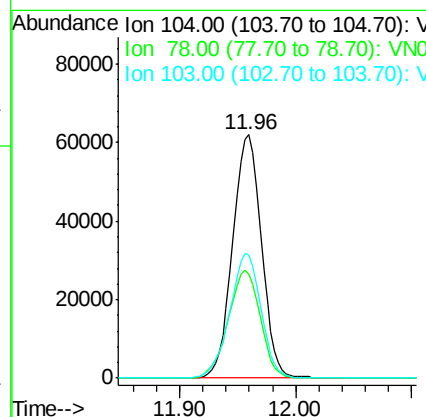
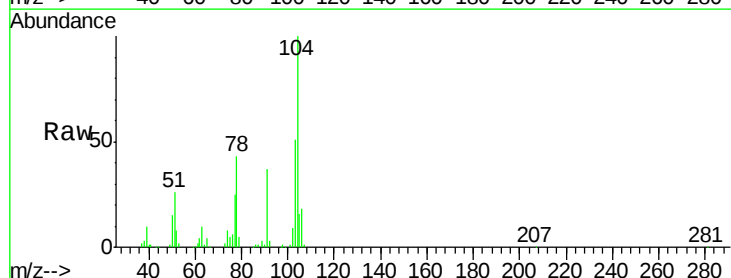
Manual Integrations
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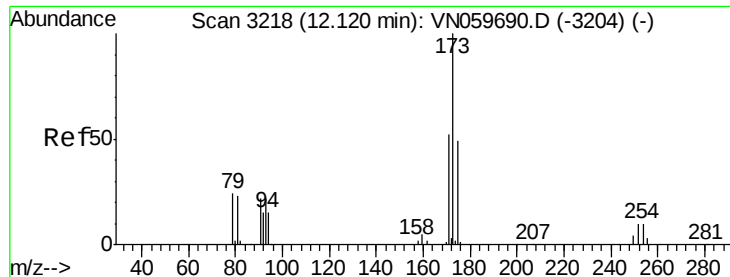
MMDadoda
2/3/2020 10:40:43 AM



#70
Styrene
Concen: 18.513 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion:104 Resp: 106660
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 55.3 43.9 65.9





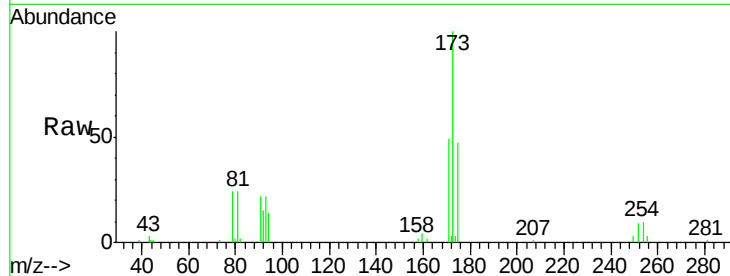
#71
Bromoform
Concen: 19.716 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.8	71.4
254	0.0	0.0	0.0

Manual Integrations
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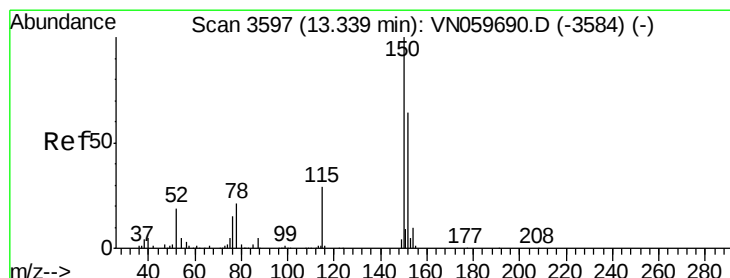
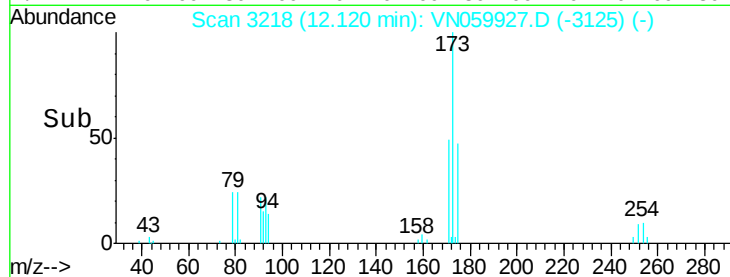
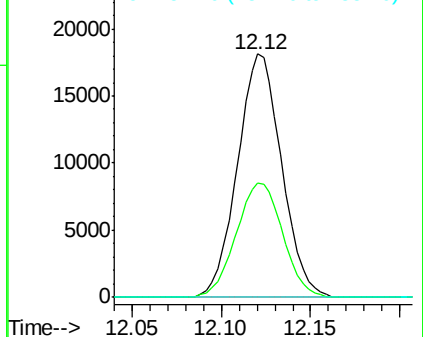


Abundance

Ion 172.70 (172.40 to 173.40): V

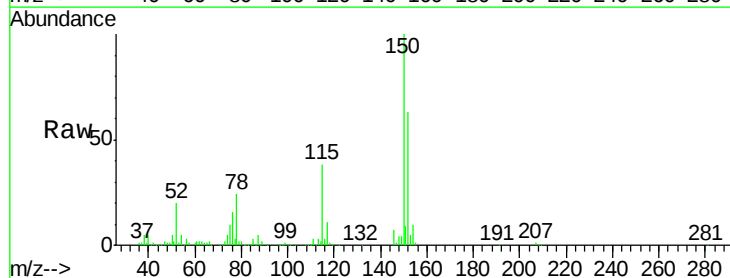
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	30.3	90.9
150	162.8	0.0	345.2

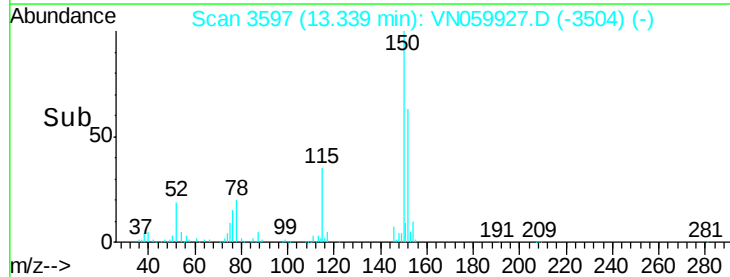
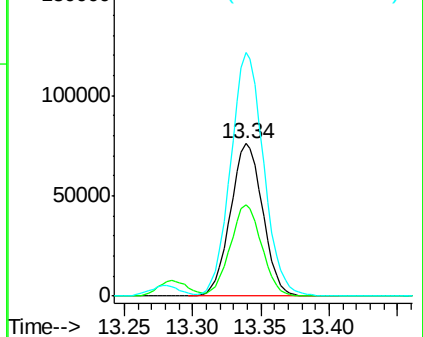


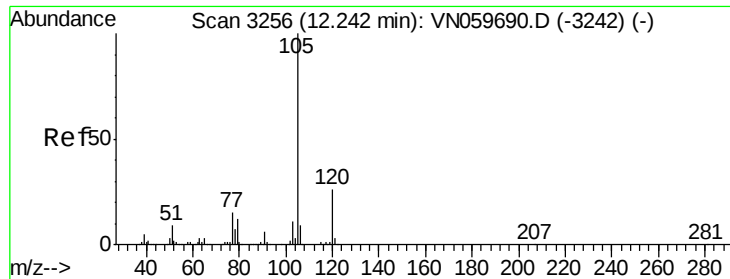
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.737 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion: 105 Resp: 180822

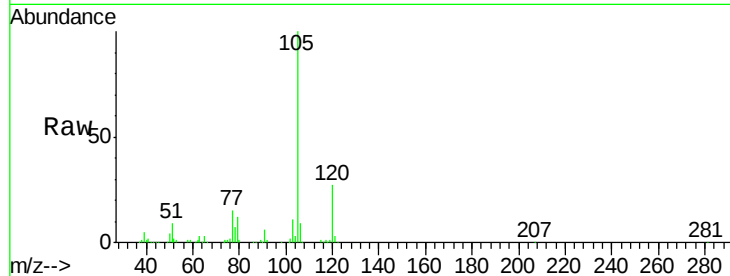
Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5

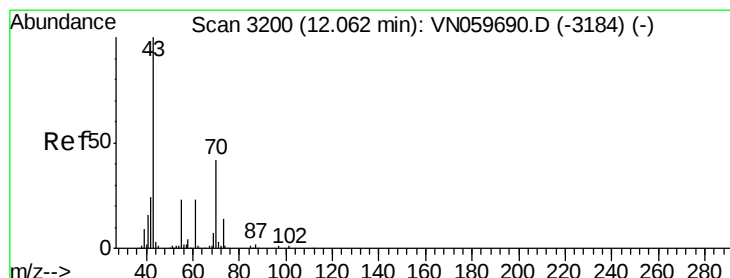
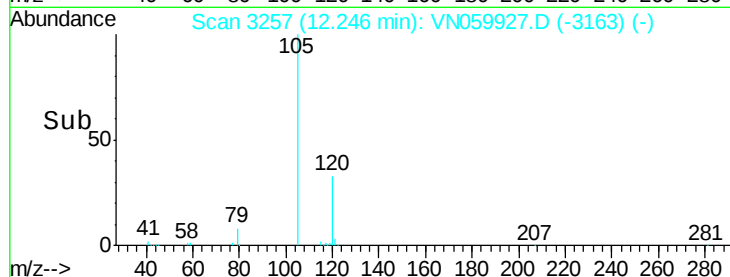
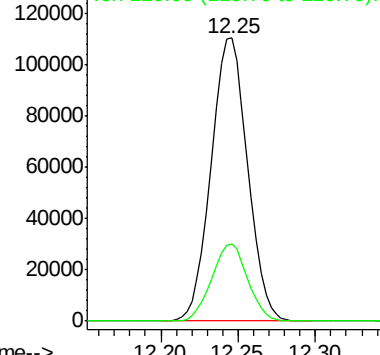
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.803 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Tgt Ion: 43 Resp: 63287

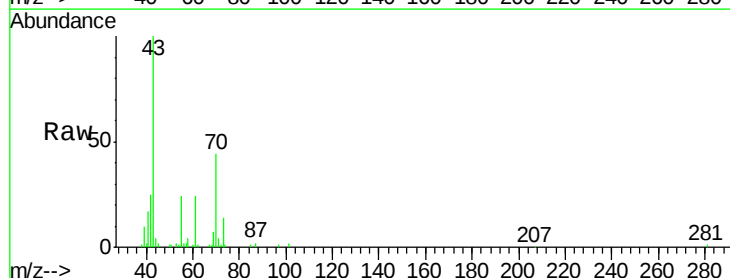
Ion Ratio Lower Upper

43 100

70 43.2 31.3 46.9

55 23.6 19.8 29.6

61 24.0 18.3 27.5

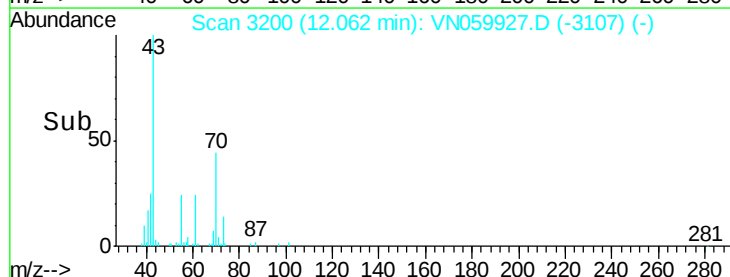
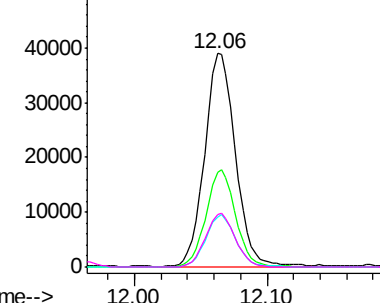


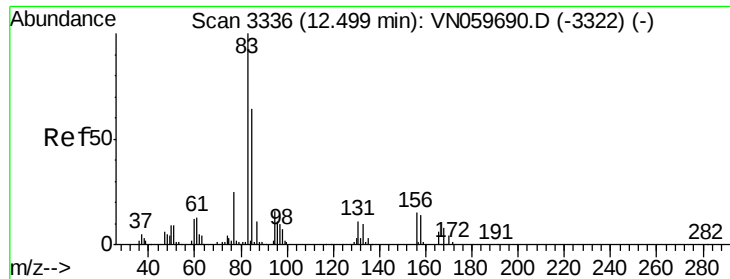
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.558 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

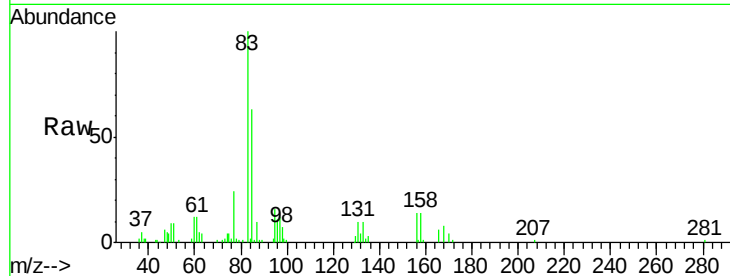
ClientSampleId :

VN0130WBS01

Tot Ion:	83	Resp:	51945
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	64.0	31.9	95.5

Manual Integrations
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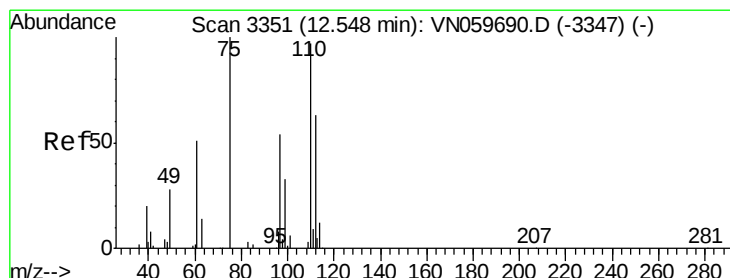
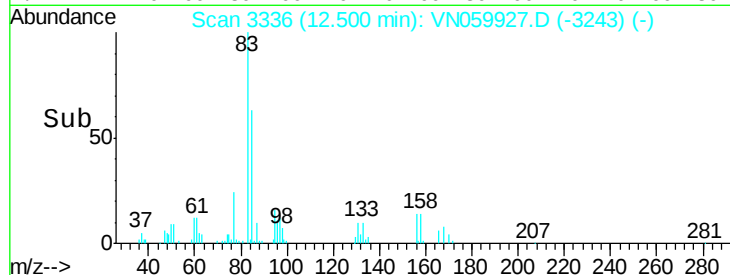
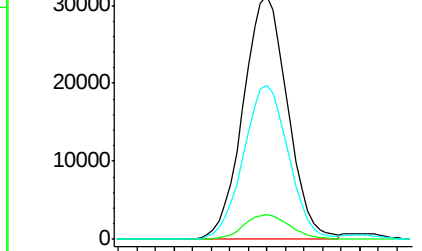
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN059927.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN059927.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059927.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 22.882 ug/l m

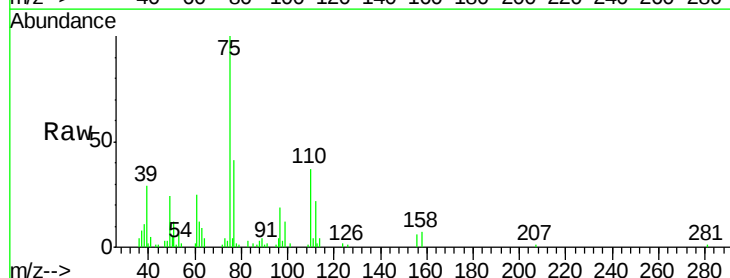
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059927.D

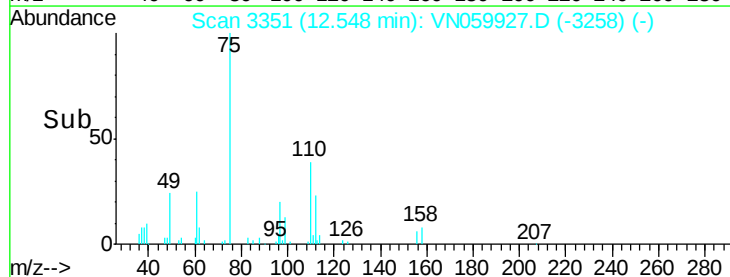
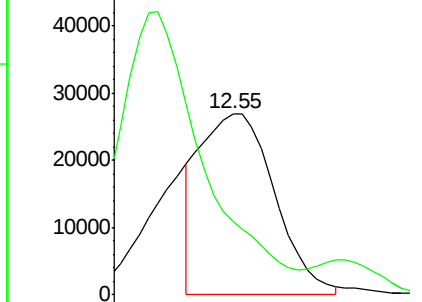
Acq: 30 Jan 2020 14:31

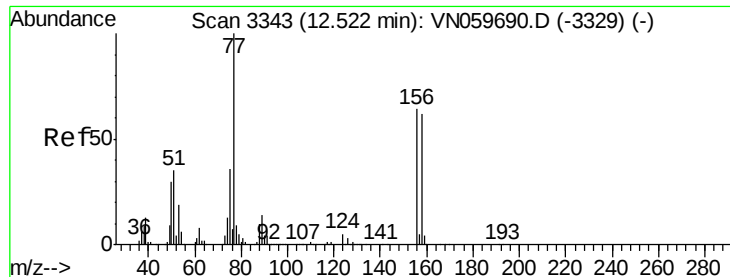
Tgt Ion:	75	Resp:	48103
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059927.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059927.D (-3258) (-)





#77

Bromobenzene

Concen: 19.669 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

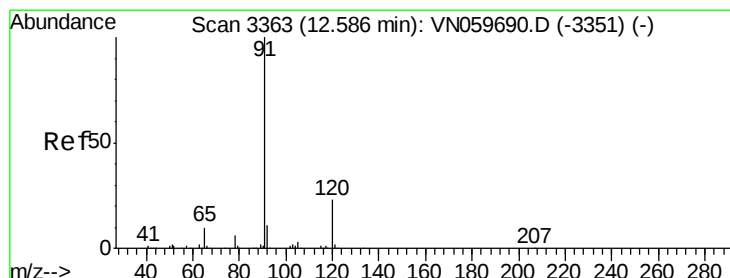
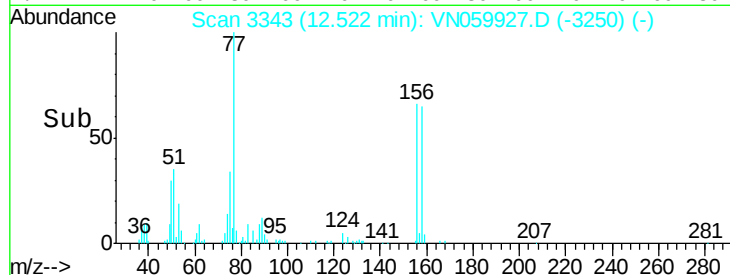
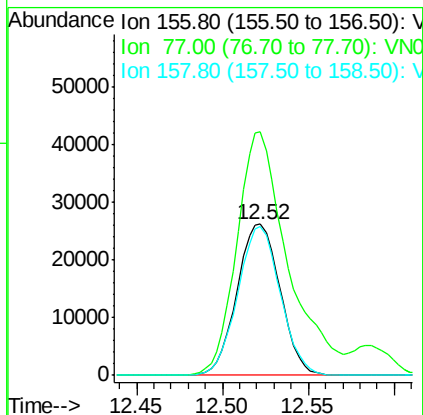
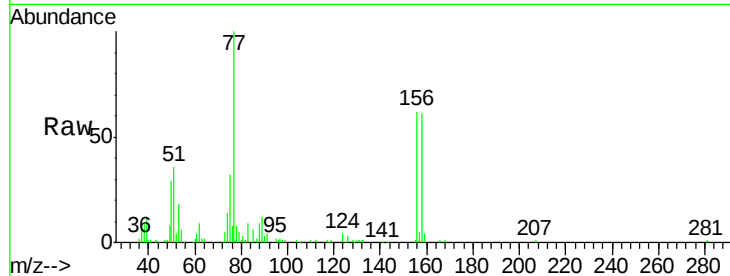
ClientSampled :

VN0130WBS01

Tot Ion:	156	Resp:	45632
Ion	Ratio	Lower	Upper
156	100		
77	190.7	115.8	347.4
158	96.6	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.485 ug/l

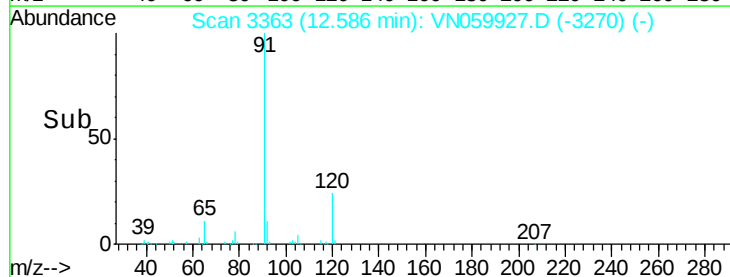
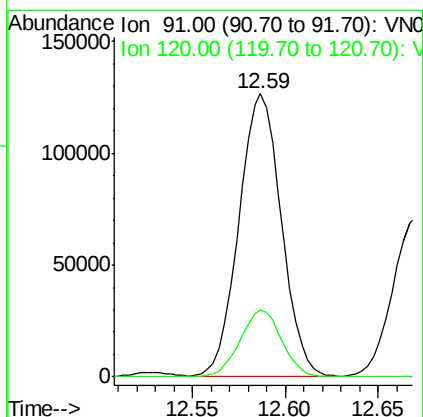
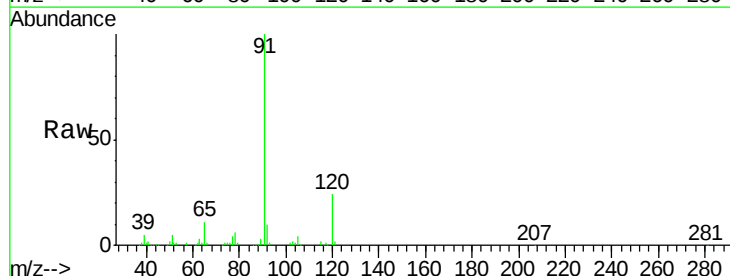
RT: 12.59 min Scan# 3363

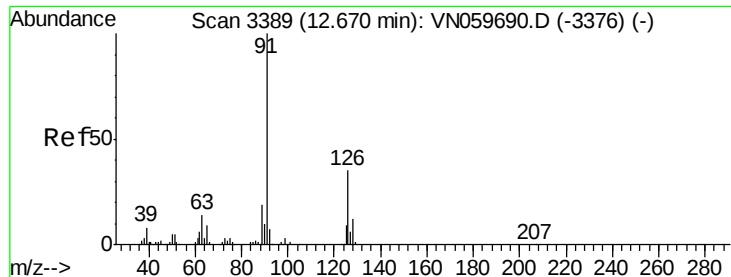
Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Tgt Ion:	91	Resp:	200363
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.246 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

VN0130WBS01

Tot Ion: 91 Resp: 117735

Ion Ratio Lower Upper

91 100

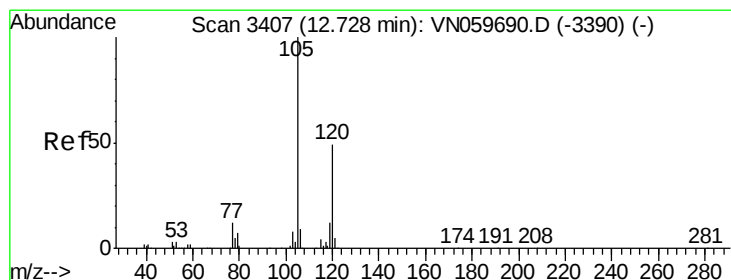
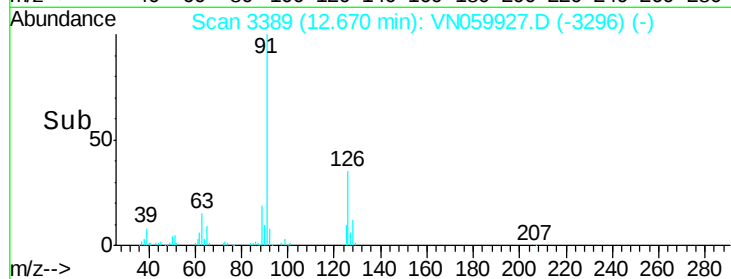
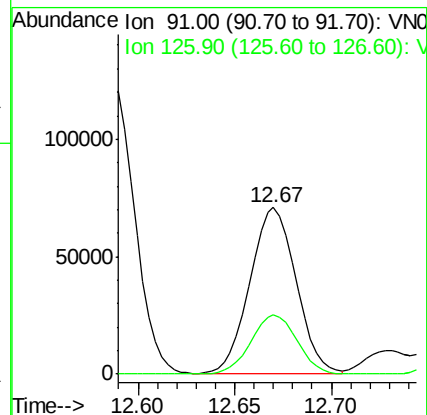
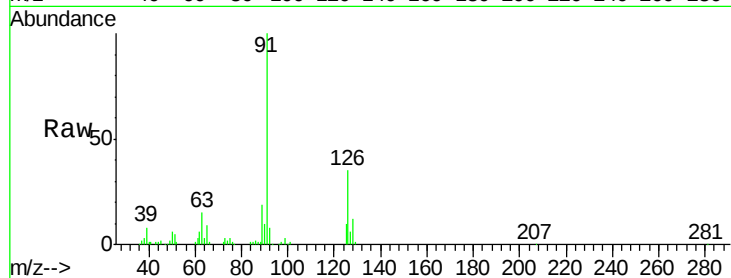
126 35.7 16.3 48.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.379 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059927.D

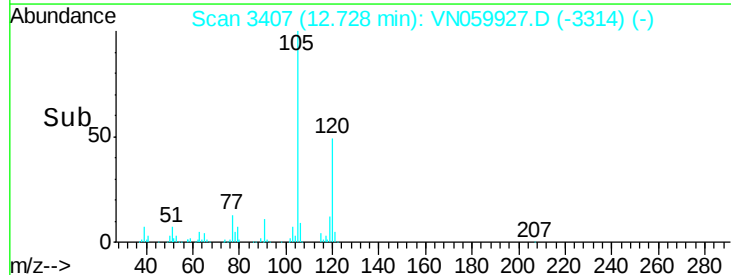
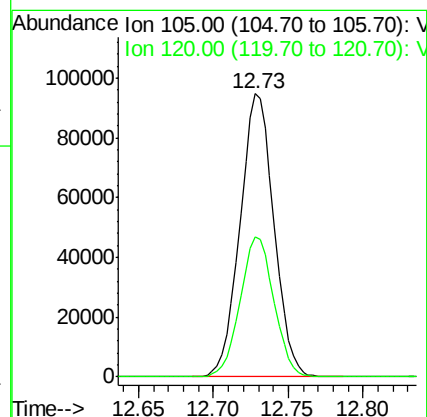
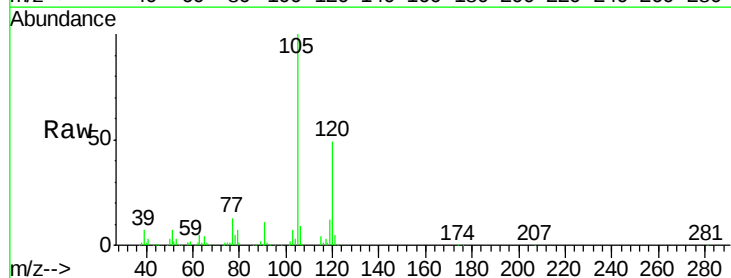
Acq: 30 Jan 2020 14:31

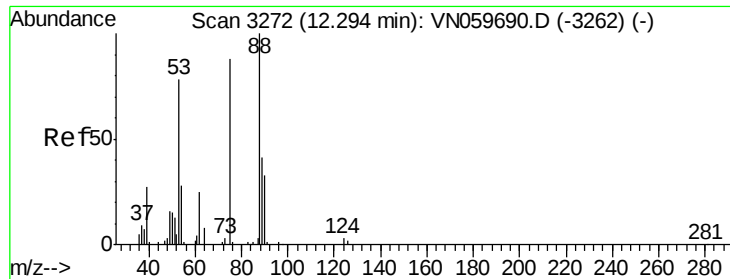
Tgt Ion: 105 Resp: 149314

Ion Ratio Lower Upper

105 100

120 49.3 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.152 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

VN0130WBS01

Tot Ion: 75 Resp: 17770

Ion Ratio Lower Upper

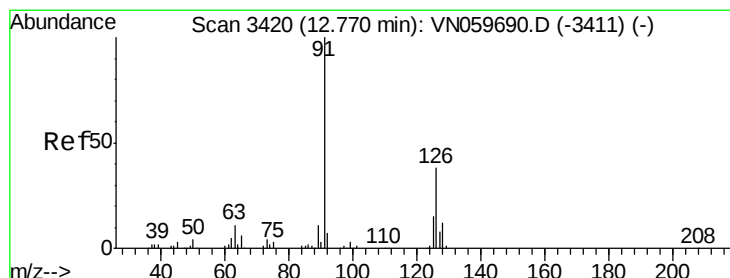
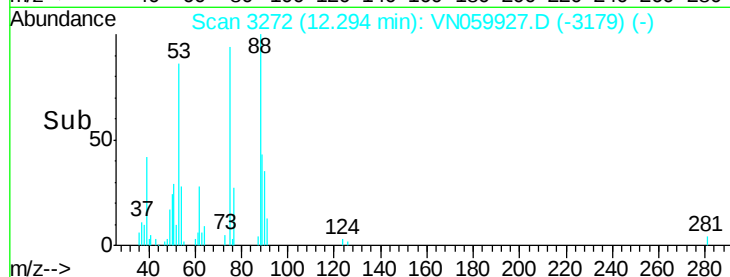
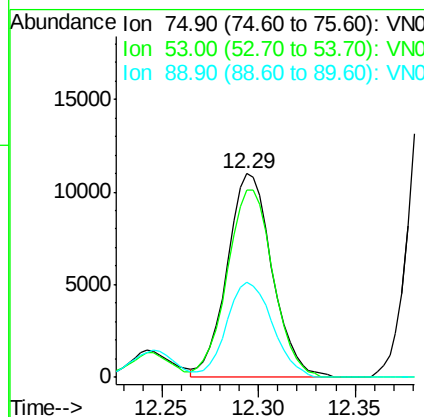
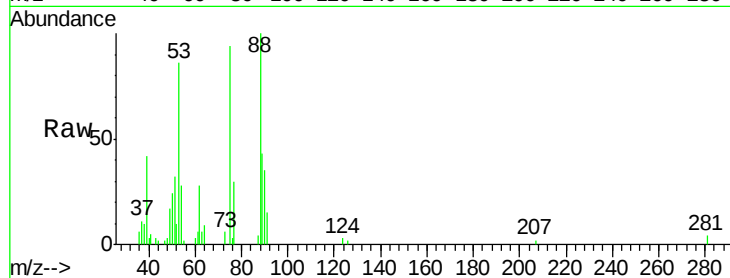
75 100

53 94.0 78.1 117.1

89 47.5 35.4 53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.719 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059927.D

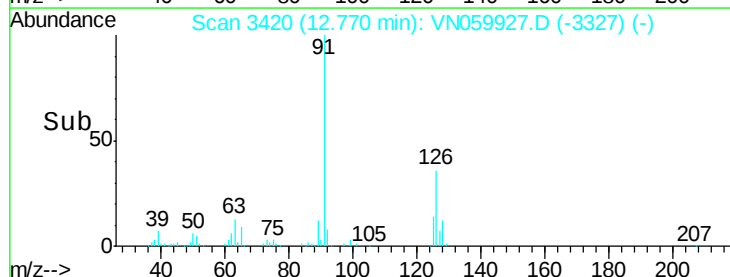
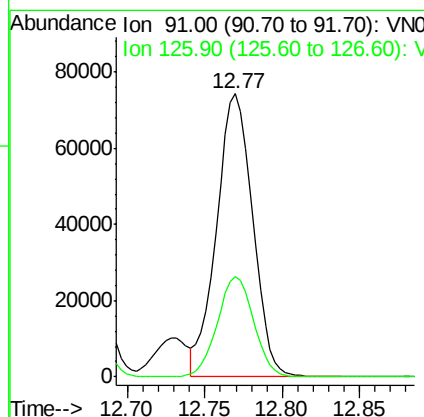
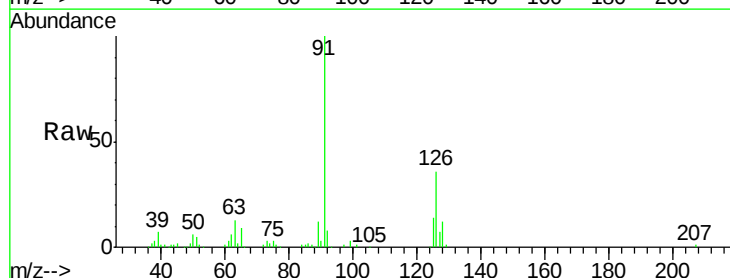
Acq: 30 Jan 2020 14:31

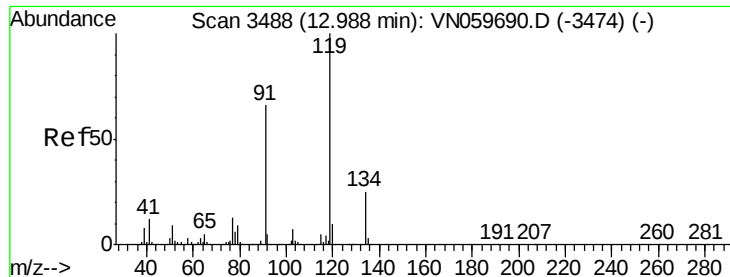
Tgt Ion: 91 Resp: 120989

Ion Ratio Lower Upper

91 100

126 35.4 16.3 48.8





#83

tert-Butylbenzene

Concen: 19.769 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

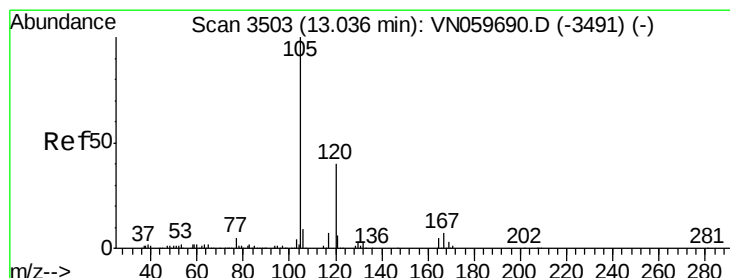
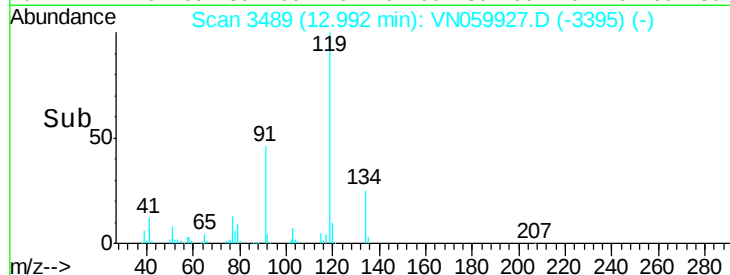
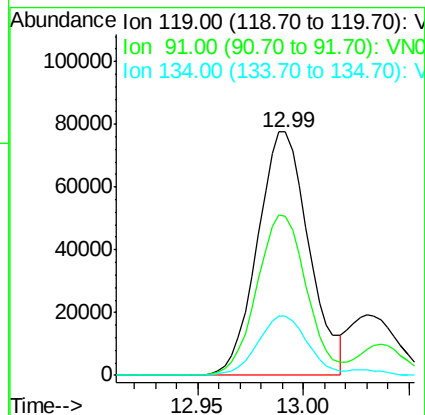
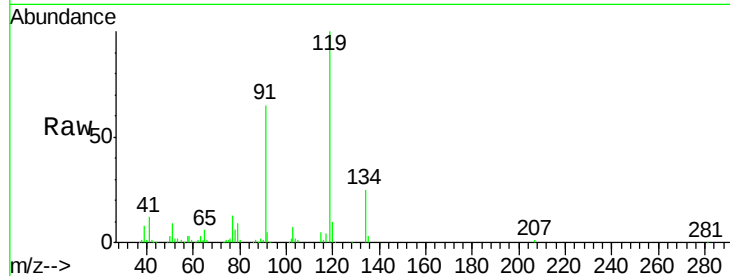
ClientSampled :

VN0130WBS01

Tot Ion:	119	Resp:	131735
Ion Ratio	Lower	Upper	
119	100		
91	63.3	34.8	104.4
134	23.9	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.701 ug/l

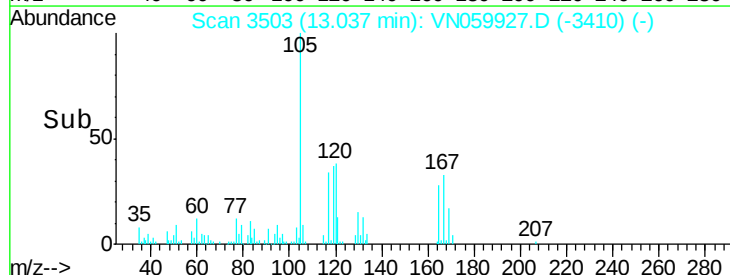
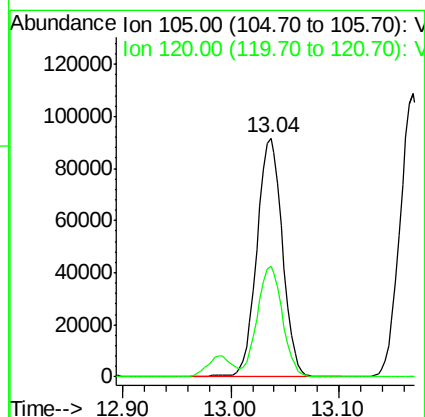
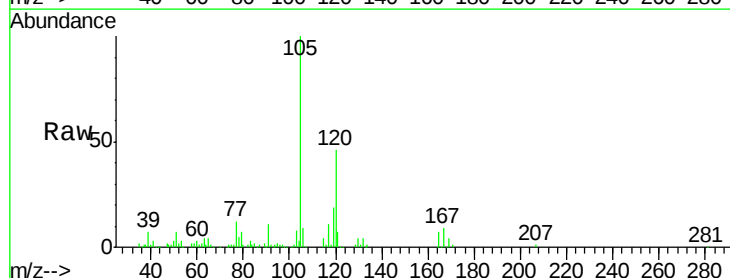
RT: 13.04 min Scan# 3503

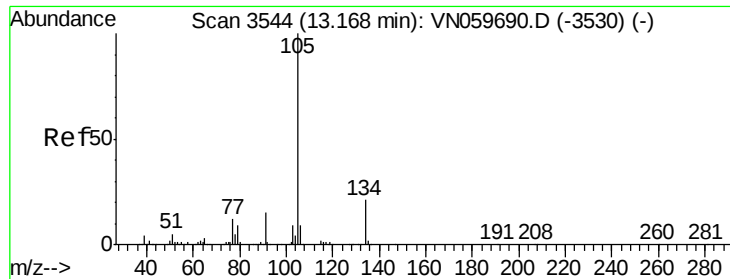
Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Tgt Ion:	105	Resp:	150174
Ion Ratio	Lower	Upper	
105	100		
120	45.8	22.3	66.9





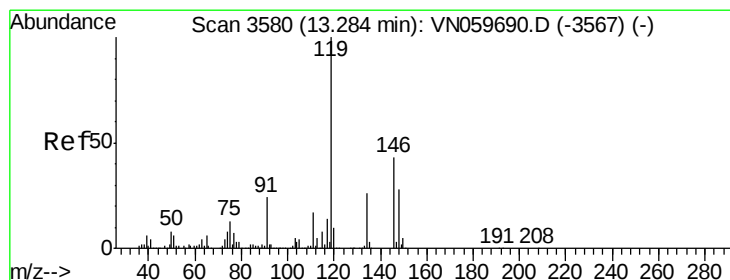
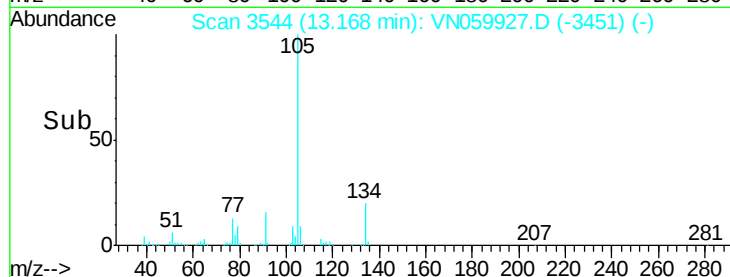
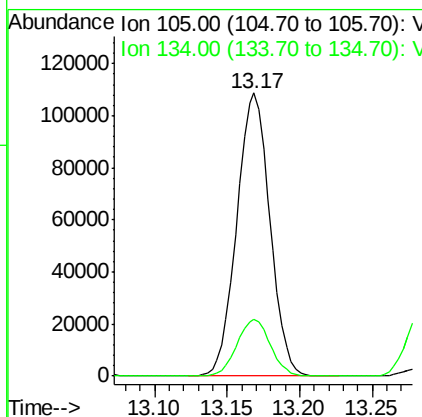
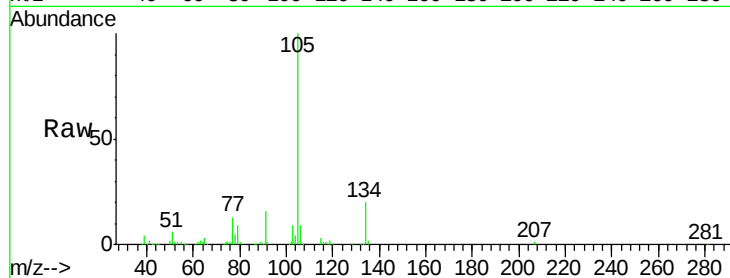
#85
 sec-Butylbenzene
 Concen: 19.717 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	9.8	29.5

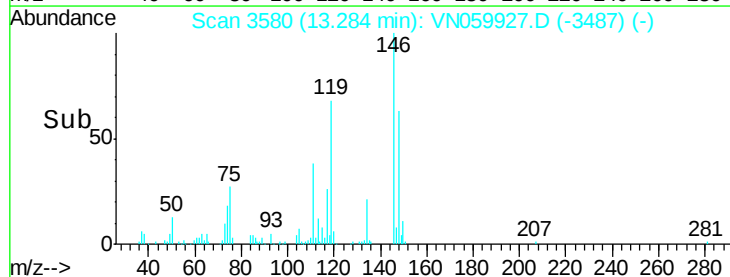
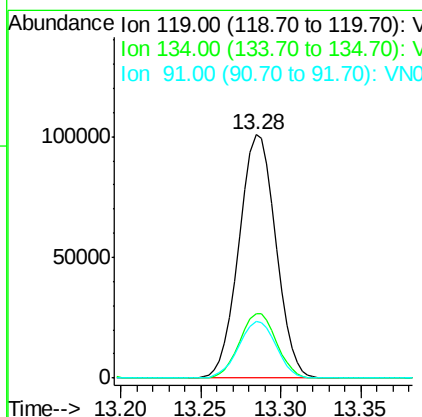
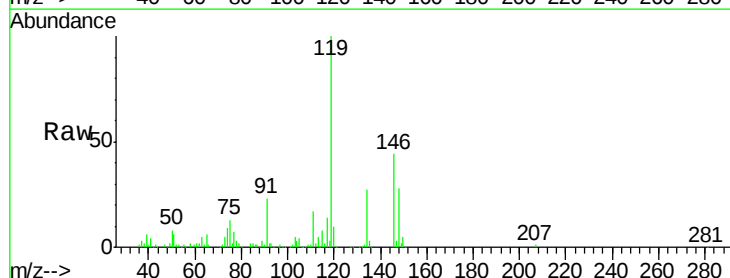
Manual Integrations
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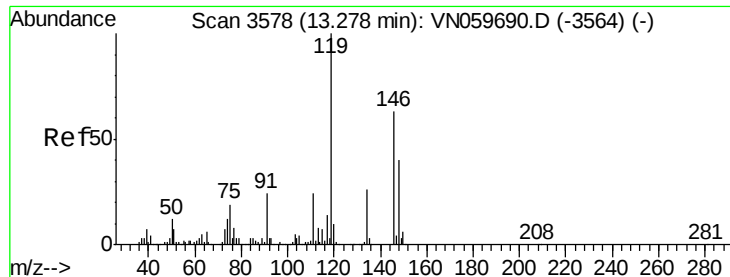
MMDadoda
 2/3/2020 10:40:43 AM



#86
 p-Isopropyltoluene
 Concen: 19.516 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	12.9	38.7
91	23.6	12.4	37.4





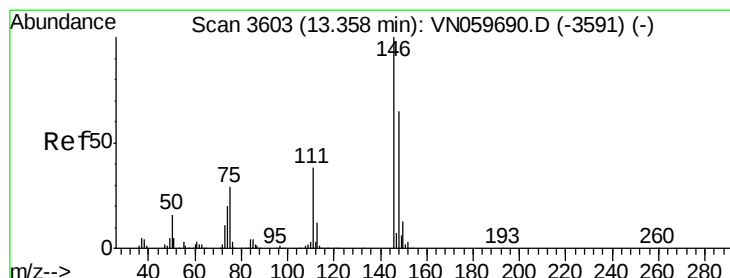
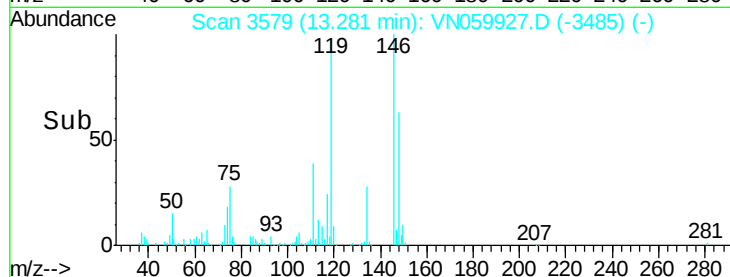
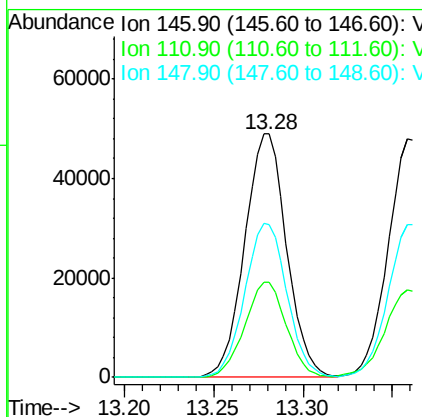
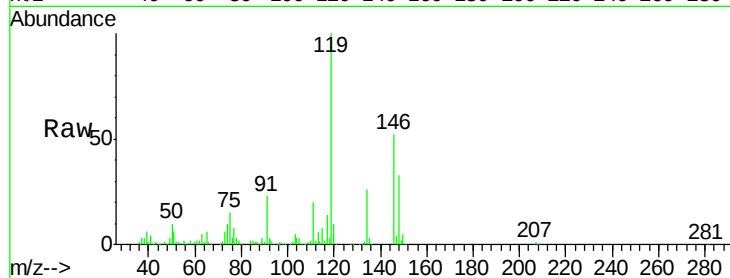
#87
 1,3-Dichlorobenzene
 Concen: 19.957 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	63.7	32.0	96.0

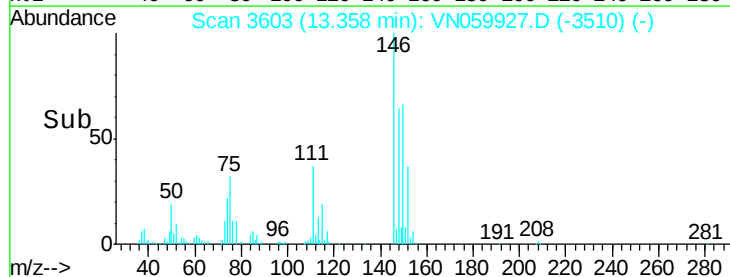
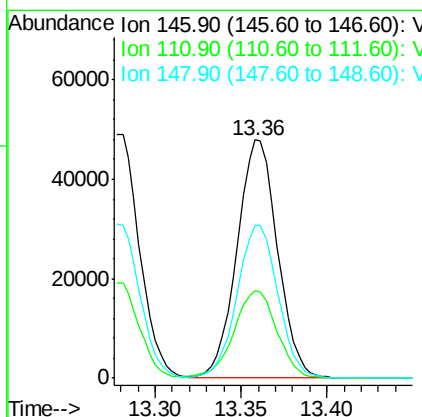
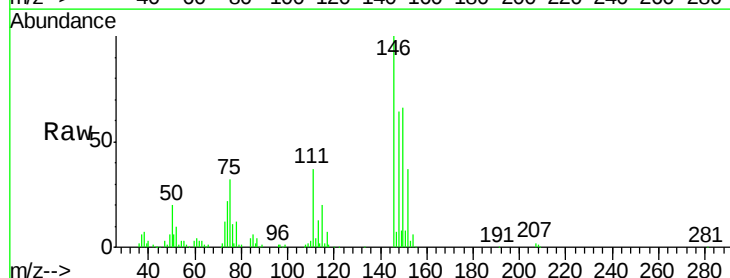
Manual Integrations
 APPROVED

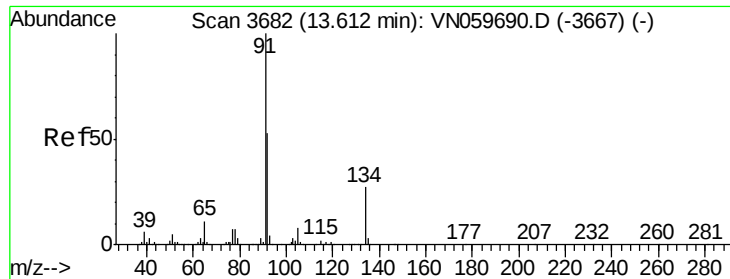
MMDadoda
 2/3/2020 10:40:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.533 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.8	62.2
148	65.1	31.8	95.4





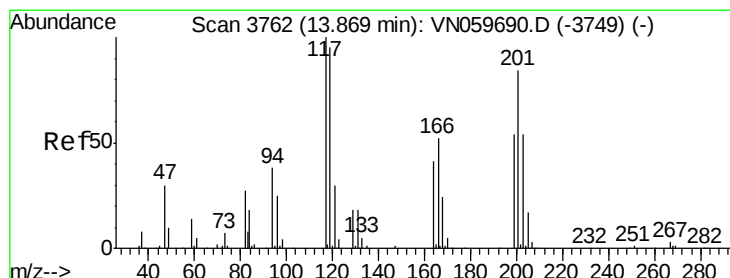
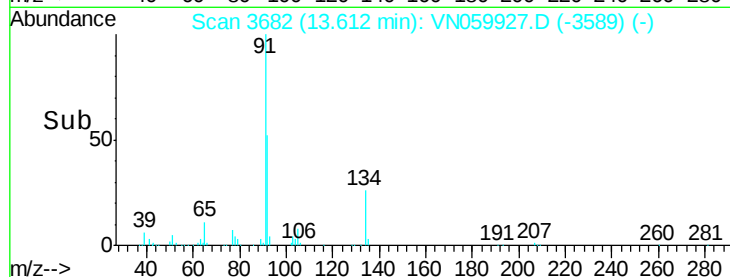
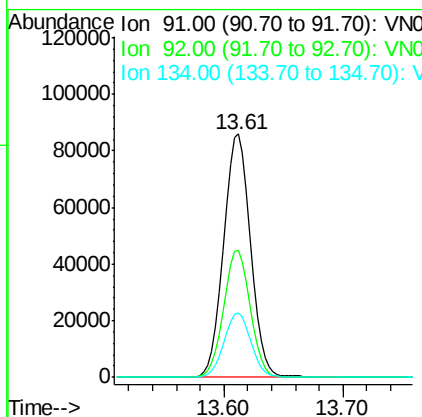
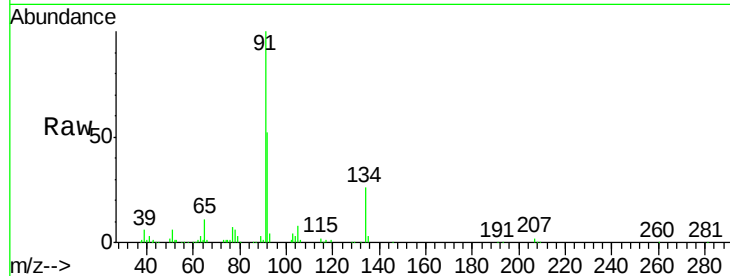
#89
n-Butylbenzene
Concen: 19.504 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.7	25.9	77.7	
134	26.3	12.3	36.8	

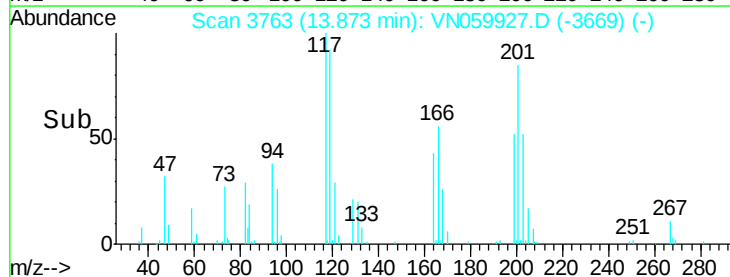
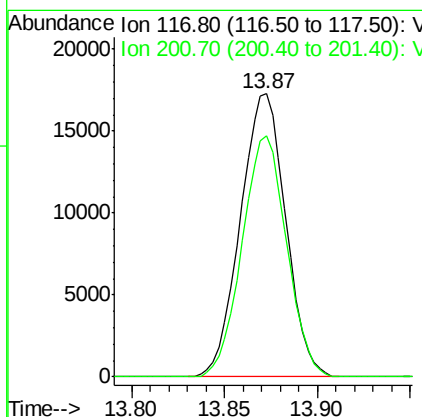
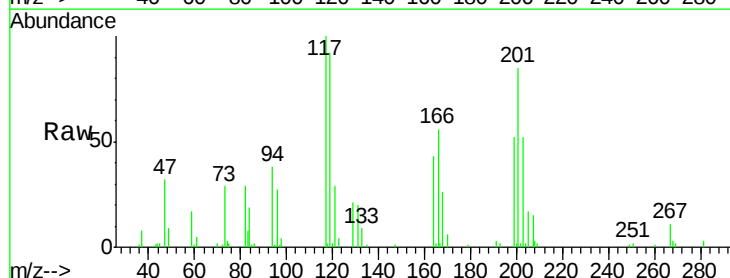
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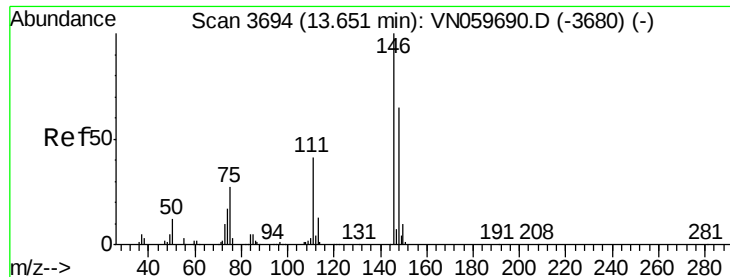
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#90
Hexachloroethane
Concen: 19.310 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	83.6	37.8	113.4	





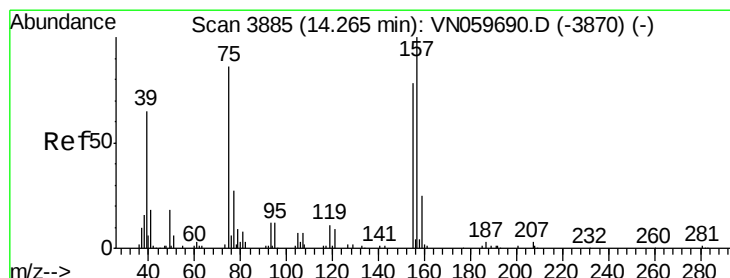
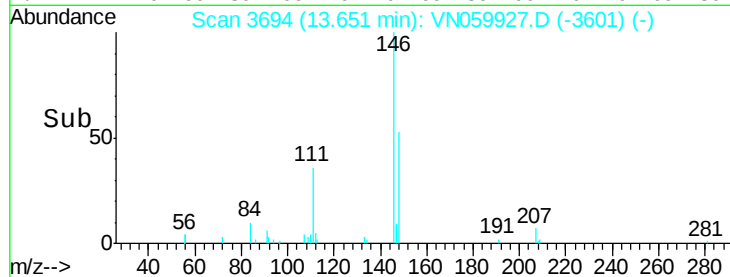
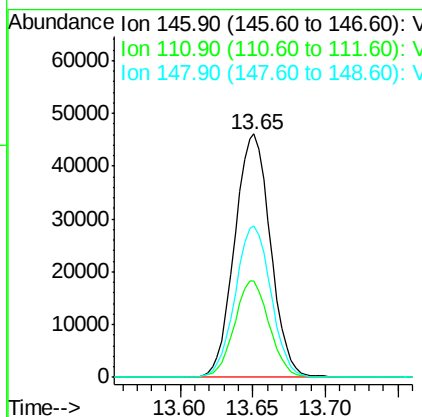
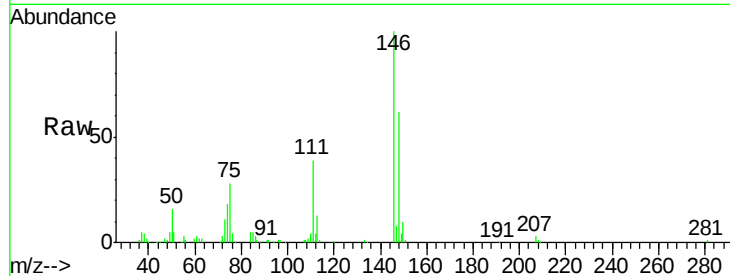
#91
 1,2-Dichlorobenzene
 Concen: 19.856 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN0130WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.6	64.8
148	62.0	31.6	95.0

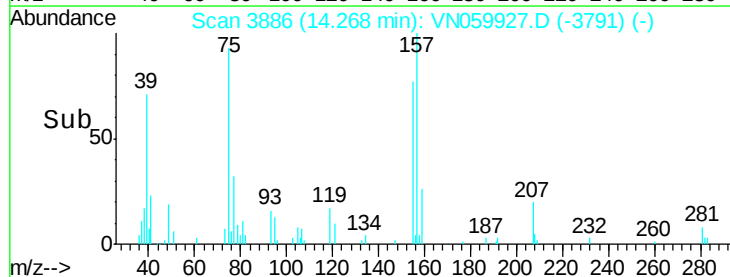
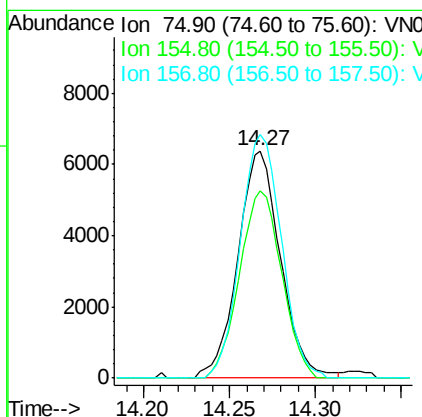
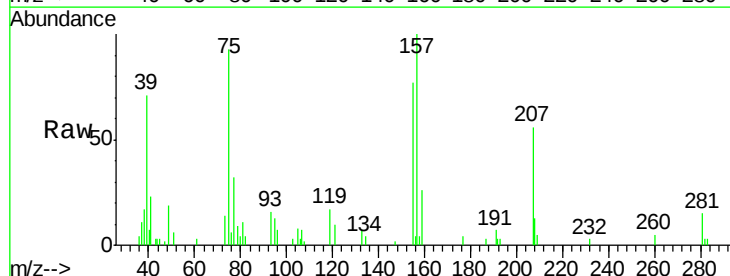
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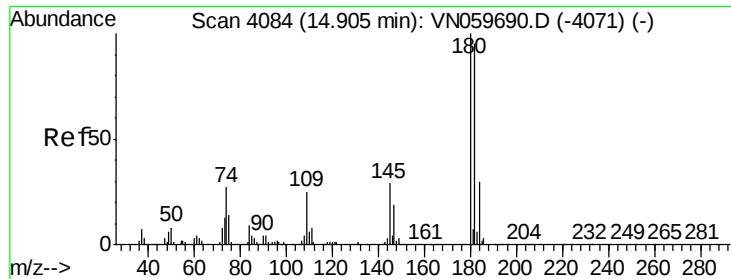
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 2/3/2020 10:40:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.004 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059927.D
 Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	37.0	110.9
157	103.2	48.4	145.2





#93

1,2,4-Trichlorobenzene

Concen: 19.300 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059927.D

Acq: 30 Jan 2020 14:31

Instrument :

MSVOA_N

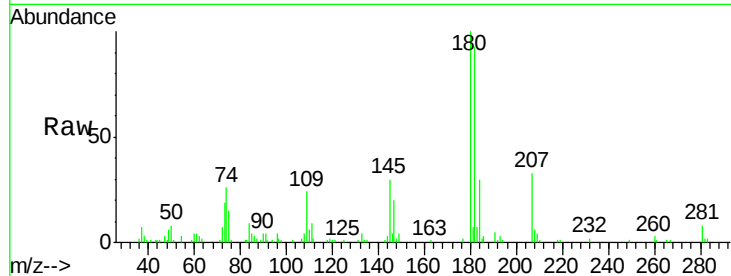
ClientSampled :

VN0130WBS01

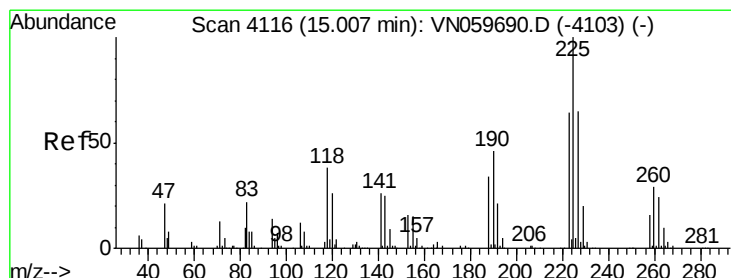
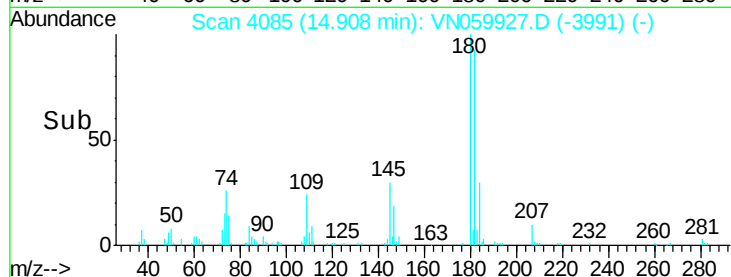
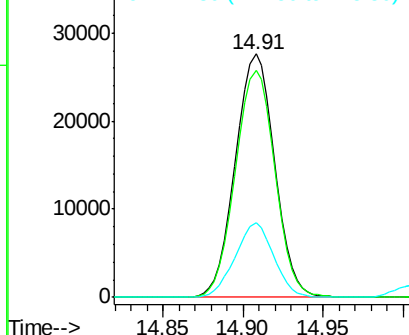
Tot Ion:	180	Resp:	46204
Ion Ratio	Lower	Upper	
180	100		
182	93.9	46.9	140.7
145	30.0	15.0	45.1

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.875 ug/l

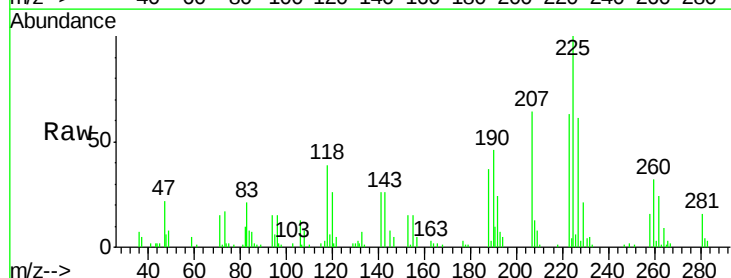
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

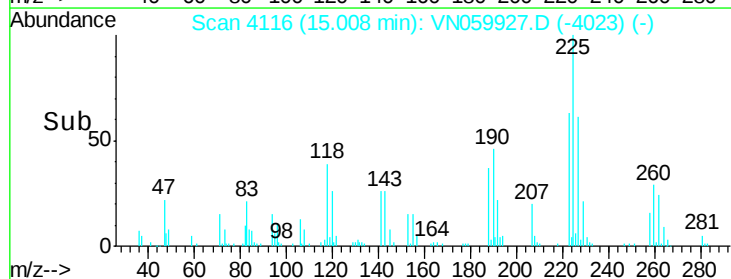
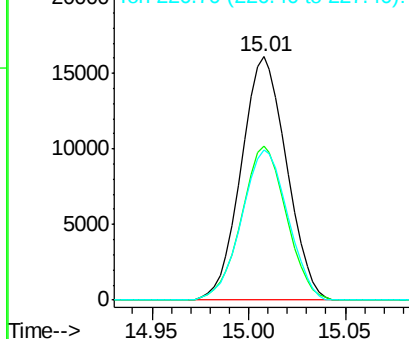
Lab File: VN059927.D

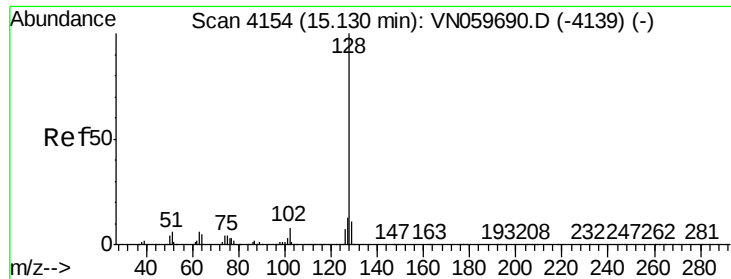
Acq: 30 Jan 2020 14:31

Tgt Ion:	225	Resp:	26220
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.8	95.3
227	62.8	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





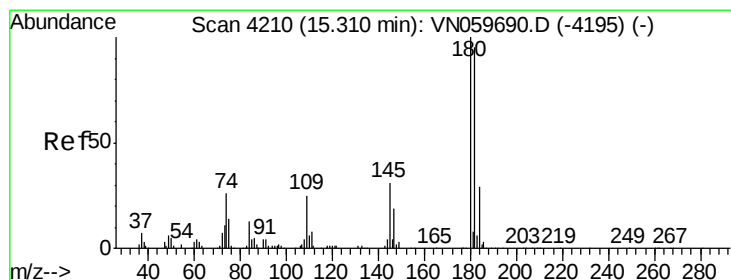
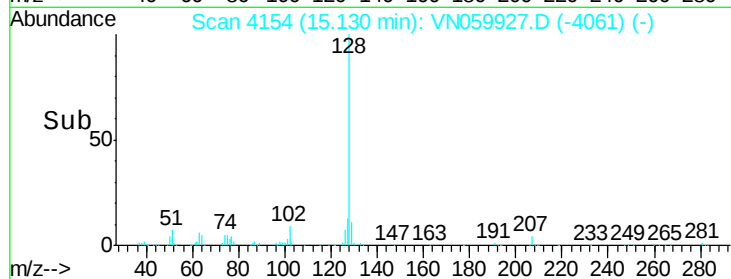
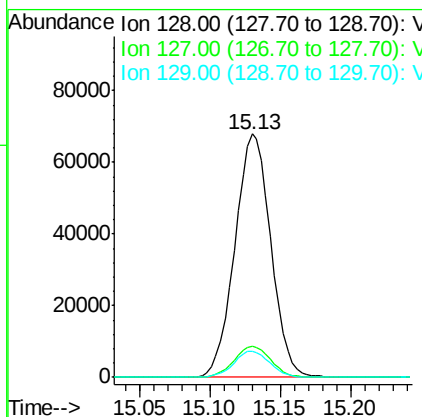
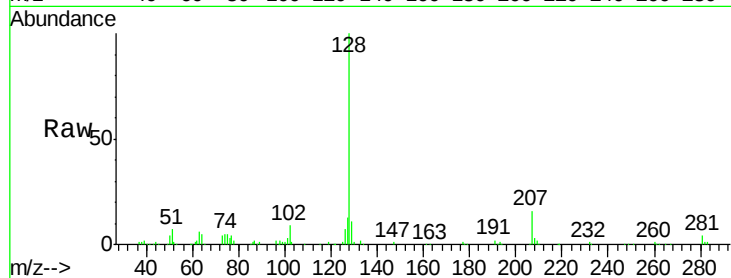
#95
Naphthalene
Concen: 17.795 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Instrument :
MSVOA_N
ClientSampleId :
VN0130WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.648 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059927.D
Acq: 30 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.4	142.3
145	31.2	16.3	48.9

