

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060019.D
 Acq On : 7 Feb 2020 10:15
 Operator : JC/MD
 Sample : VN0207WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 9:32:41 AM

Quant Time: Feb 07 23:33:52 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	178743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	280684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256609	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	121333	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108733	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	7.56	113	89560	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
50) Toluene-d8	10.08	98	329066	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
62) 4-Bromofluorobenzene	12.40	95	121333	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	32698	15.152	ug/l	98
3) Chloromethane	2.04	50	34469	16.844	ug/l	97
4) Vinyl Chloride	2.17	62	45381	19.382	ug/l	100
5) Bromomethane	2.55	94	27119	18.979	ug/l	98
6) Chloroethane	2.69	64	20533	18.536	ug/l	93
7) Trichlorofluoromethane	3.00	101	53674	19.088	ug/l	99
8) Diethyl Ether	3.39	74	19602	19.864	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31821	20.333	ug/l	94
10) Methyl Iodide	3.93	142	37497	14.823	ug/l	96
11) Tert butyl alcohol	4.73	59	33158	99.227	ug/l #	82
12) 1,1-Dichloroethene	3.72	96	29401	17.979	ug/l	90
13) Acrolein	3.58	56	10861	45.915	ug/l	100
14) Allyl chloride	4.29	41	47032	21.337	ug/l	94
15) Acrylonitrile	4.94	53	79626	104.462	ug/l	100
16) Acetone	3.78	43	92932	132.563	ug/l	100
17) Carbon Disulfide	4.03	76	67668	14.526	ug/l	97
18) Methyl Acetate	4.29	43	50147	21.628	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	111907	20.988	ug/l	94
20) Methylene Chloride	4.52	84	35004	18.681	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	32325	18.596	ug/l	90
22) Diisopropyl ether	5.91	45	105677	21.156	ug/l	92
23) Vinyl Acetate	5.86	43	388468	100.446	ug/l	96
24) 1,1-Dichloroethane	5.82	63	62113	20.351	ug/l	98
25) 2-Butanone	6.80	43	117253	104.310	ug/l	90
26) 2,2-Dichloropropane	6.79	77	60155	20.501	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	39694	19.853	ug/l	91
28) Bromochloromethane	7.17	49	24803	20.332	ug/l #	78
29) Tetrahydrofuran	7.18	42	70446	101.289	ug/l	89
30) Chloroform	7.35	83	66165	20.922	ug/l	97
31) Cyclohexane	7.63	56	51827	17.647	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	58941	20.158	ug/l	96
36) 1,1-Dichloropropene	7.77	75	45762	18.722	ug/l	95
37) Ethyl Acetate	6.90	43	43210	18.848	ug/l	96
38) Carbon Tetrachloride	7.75	117	51729	19.455	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	55150	18.299	ug/l	94
40) Benzene	8.02	78	140720	19.304	ug/l	99
41) Methacrylonitrile	7.14	41	20631	18.270	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	51995	21.037	ug/l	98
43) Isopropyl Acetate	8.14	43	78076	19.800	ug/l #	95
44) Trichloroethene	8.82	130	39365	19.781	ug/l	95
45) 1,2-Dichloropropane	9.10	63	36889	20.450	ug/l	96
46) Dibromomethane	9.19	93	25836	20.304	ug/l	93
47) Bromodichloromethane	9.39	83	53809	20.985	ug/l	99
48) Methyl methacrylate	9.18	41	34089	19.327	ug/l	92
49) 1,4-Dioxane	9.18	88	13037	403.759	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	230880	101.286	ug/l	96
52) Toluene	10.14	92	90457	19.645	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	58118	20.299	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	63141	20.959	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	37812	20.734	ug/l	98
56) Ethyl methacrylate	10.42	69	52841	18.963	ug/l	95
57) 1,3-Dichloropropane	10.70	76	61556	21.261	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	84080	100.176	ug/l	94
59) 2-Hexanone	10.74	43	175233	104.349	ug/l	95
60) Dibromochloromethane	10.89	129	43265	20.833	ug/l	98
61) 1,2-Dibromoethane	10.99	107	38385	20.082	ug/l	100
64) Tetrachloroethene	10.62	164	42293	20.222	ug/l	95
65) Chlorobenzene	11.43	112	99790	19.785	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39959	20.503	ug/l	99
67) Ethyl Benzene	11.50	91	177570	19.394	ug/l	98
68) m/p-Xylenes	11.62	106	133354	38.557	ug/l	93
69) o-Xylene	11.94	106	65842	19.445	ug/l	94
70) Styrene	11.96	104	104929	18.519	ug/l	97
71) Bromoform	12.12	173	31671	20.288	ug/l #	99
73) Isopropylbenzene	12.25	105	178382	20.046	ug/l	99
74) N-amyl acetate	12.07	43	64672	18.730	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	52799	20.467	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	49939m	24.457	ug/l	
77) Bromobenzene	12.52	156	44665	19.821	ug/l	84
78) n-propylbenzene	12.59	91	196644	19.689	ug/l	98
79) 2-Chlorotoluene	12.67	91	118275	19.906	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	148966	19.906	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	18608	19.570	ug/l	98
82) 4-Chlorotoluene	12.77	91	120347	20.194	ug/l	98
83) tert-Butylbenzene	12.99	119	129817	20.057	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	147978	19.987	ug/l	99
85) sec-Butylbenzene	13.17	105	170266	20.022	ug/l	99
86) p-Isopropyltoluene	13.29	119	156797	19.927	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	76548	19.556	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76102	19.489	ug/l	99
89) n-Butylbenzene	13.61	91	132845	19.801	ug/l	99
90) Hexachloroethane	13.87	117	28929	19.650	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	77930	20.138	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11480	19.458	ug/l	91

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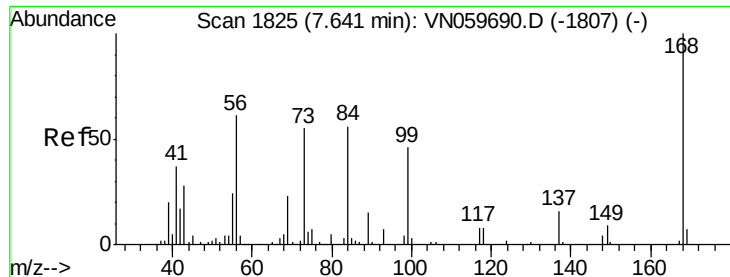
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45784	19.690	ug/l	99
94) Hexachlorobutadiene	15.01	225	25430	19.846	ug/l	99
95) Naphthalene	15.13	128	123380	18.655	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46064	20.352	ug/l	98

(#) = 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: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBS01

Tot Ion:168 Resp: 178743

Ion Ratio Lower Upper

168 100

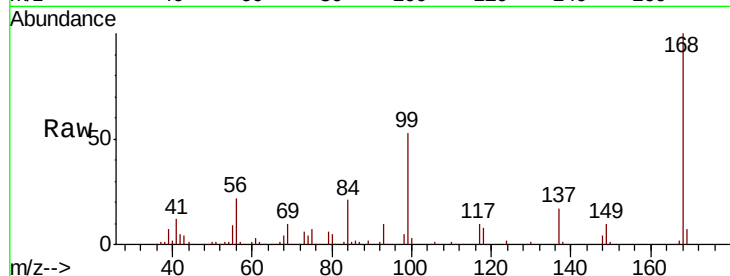
99 52.6 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

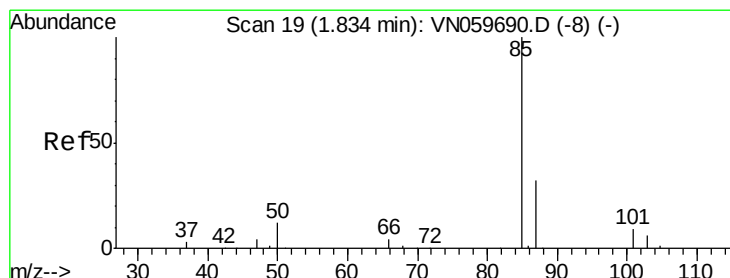
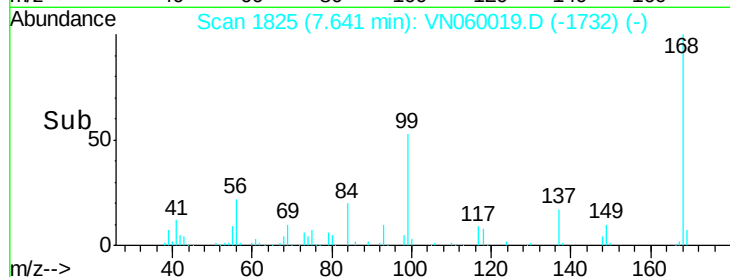
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.152 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060019.D

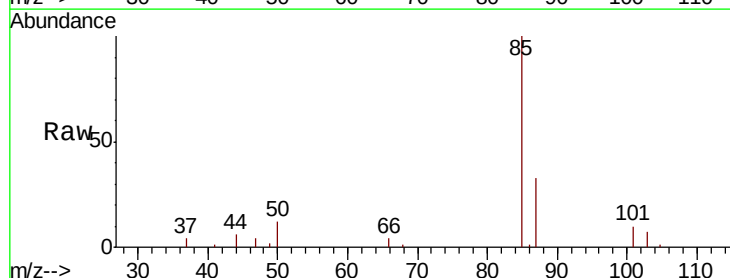
Acq: 7 Feb 2020 10:15

Tgt Ion: 85 Resp: 32698

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

25000

20000

15000

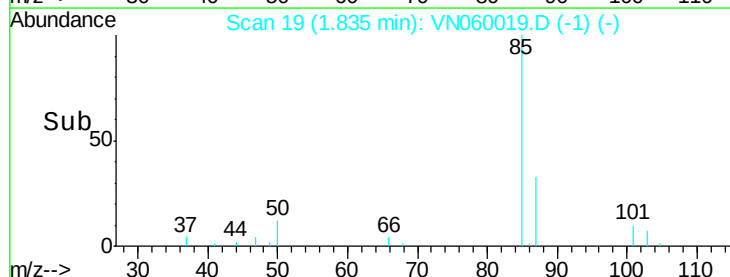
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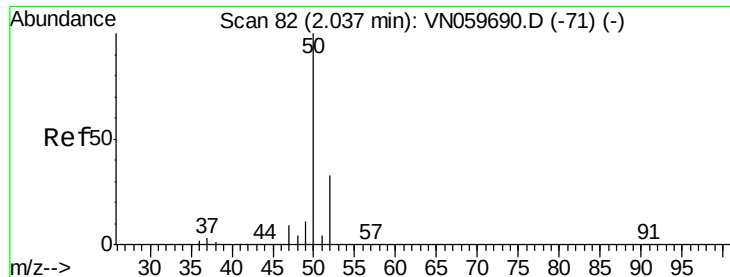
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0

1.80 1.85 1.90

Time-->





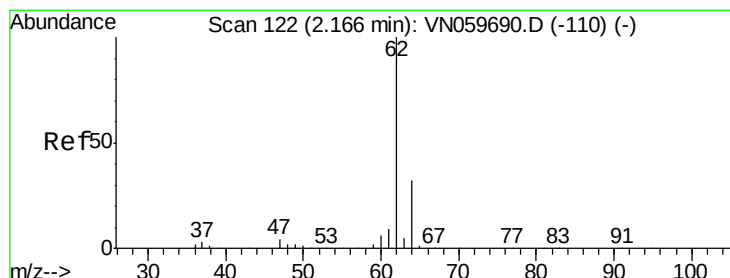
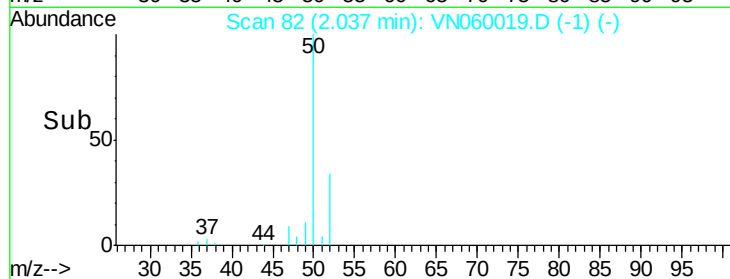
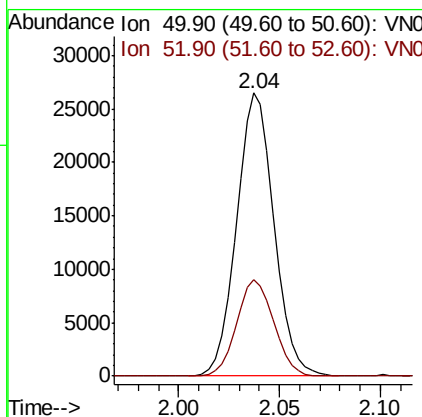
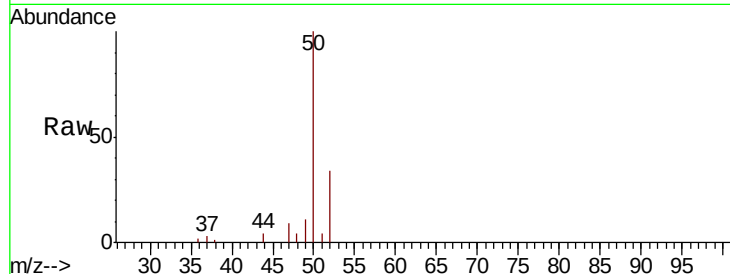
#3
Chloromethane
Concen: 16.844 ug/l
RT: 2.04 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	50	52	Resp	Lower	Upper
34469	100	34.0		25.9	38.9

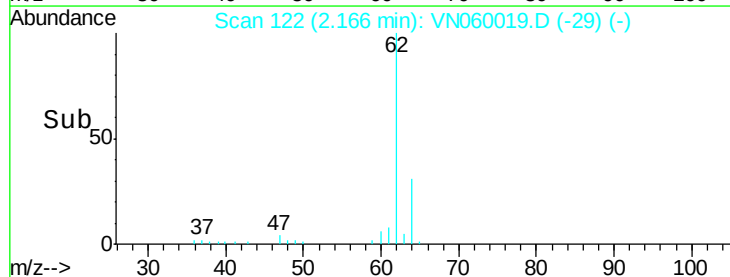
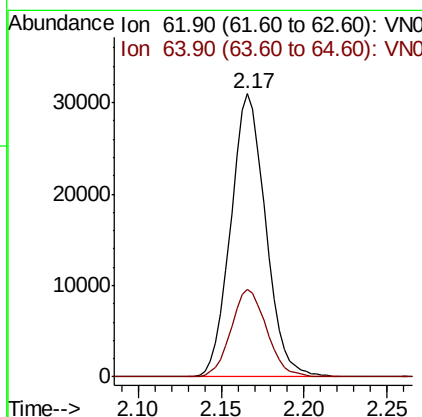
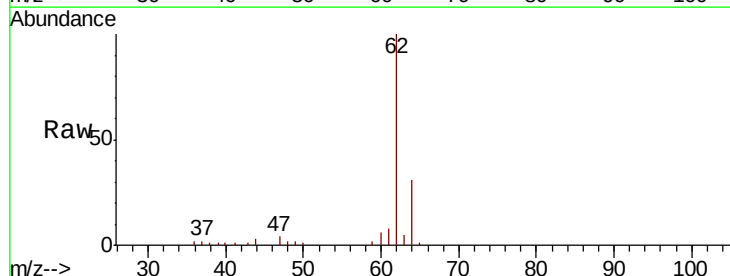
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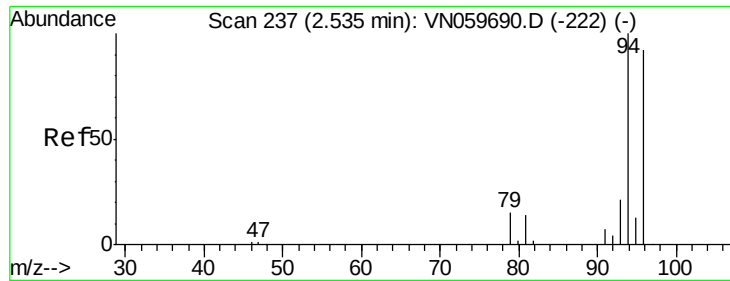
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#4
Vinyl Chloride
Concen: 19.382 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	62	64	Resp	Lower	Upper
45381	100	30.8		24.6	37.0





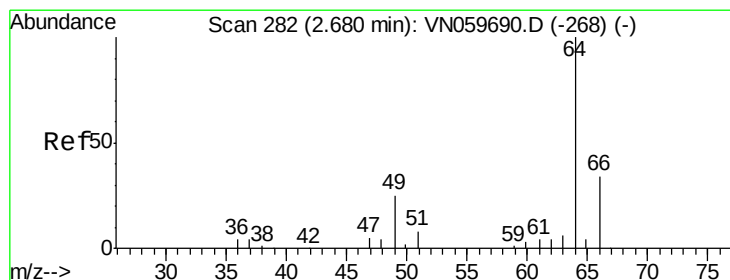
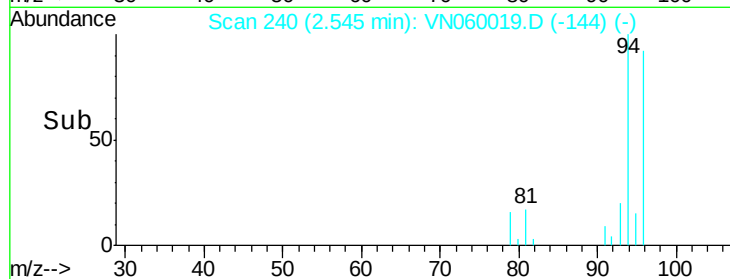
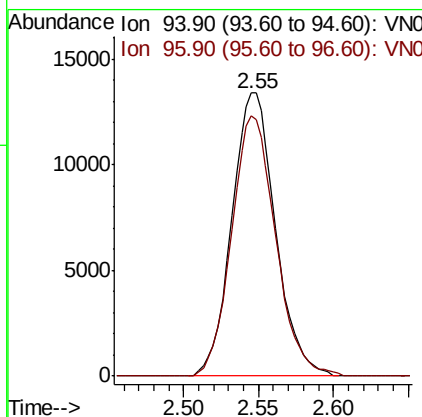
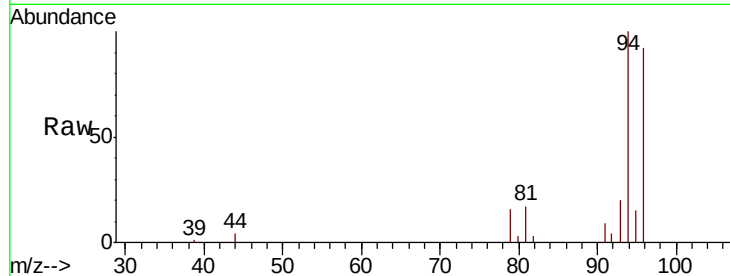
#5
Bromomethane
Concen: 18.979 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 27119
Ion Ratio Lower Upper
94 100
96 91.9 74.7 112.1

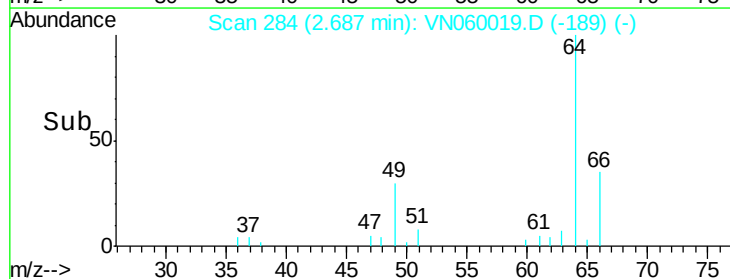
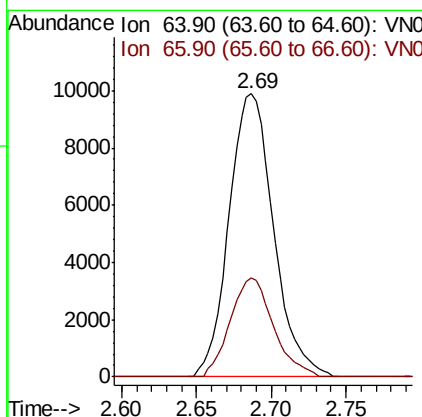
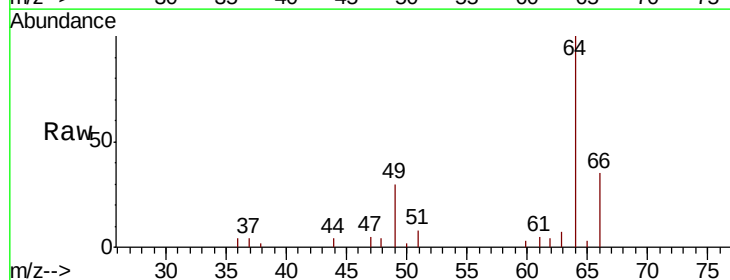
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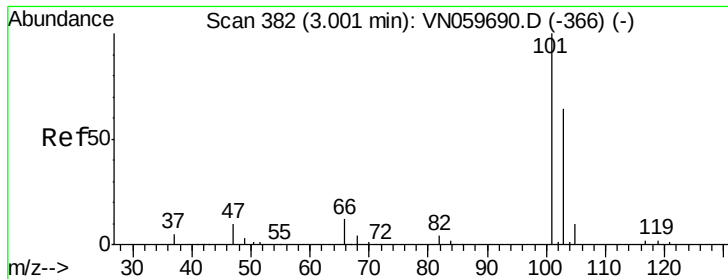
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#6
Chloroethane
Concen: 18.536 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 64 Resp: 20533
Ion Ratio Lower Upper
64 100
66 35.2 25.1 37.7





#7

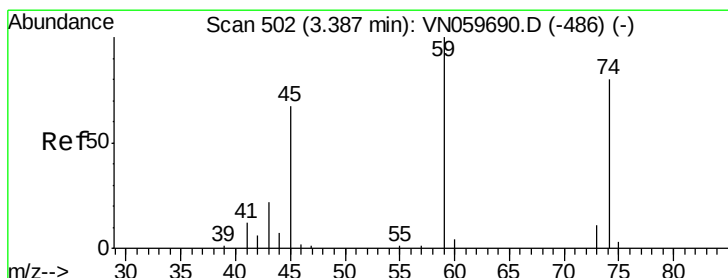
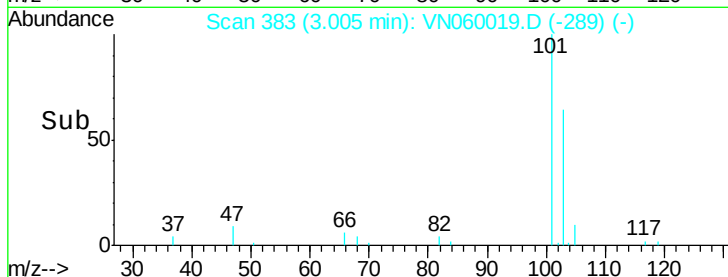
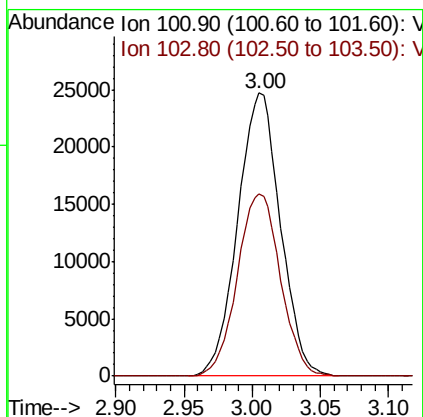
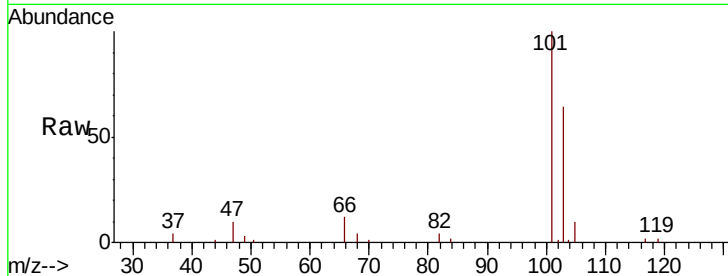
Trichlorofluoromethane
Concen: 19.088 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion:101 Resp: 53674
Ion Ratio Lower Upper
101 100
103 64.4 51.0 76.6

Manual Integrations
APPROVED

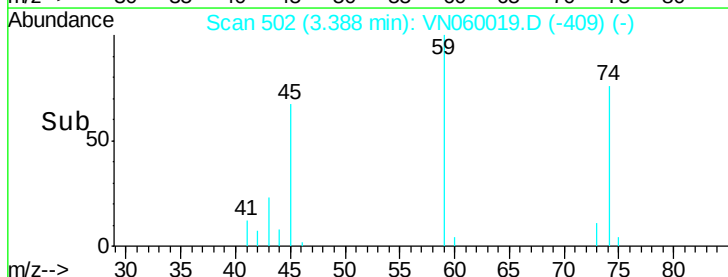
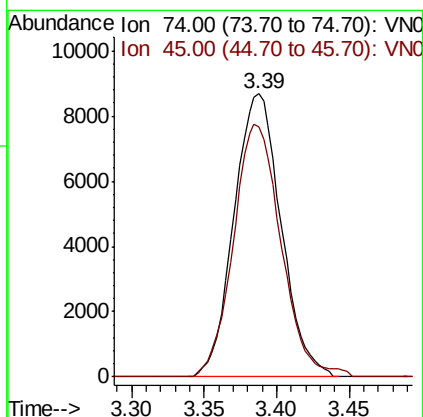
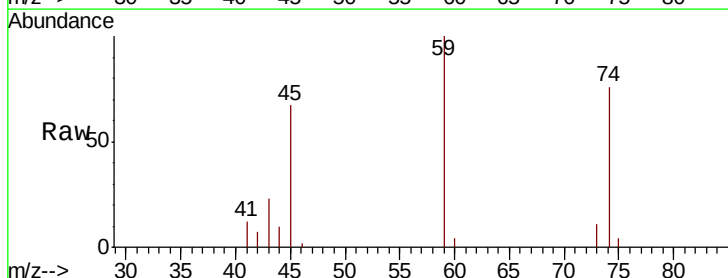
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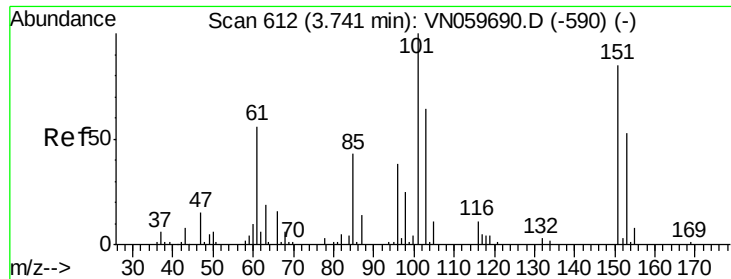


#8

Diethyl Ether
Concen: 19.864 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 74 Resp: 19602
Ion Ratio Lower Upper
74 100
45 90.2 51.9 155.8





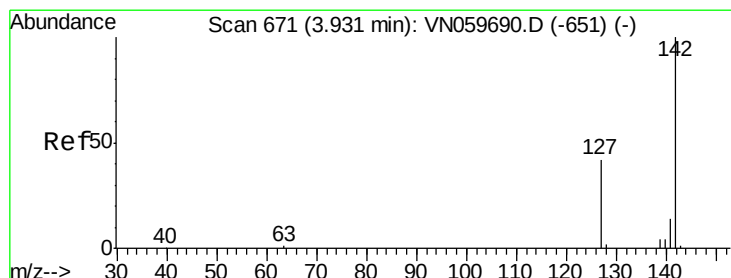
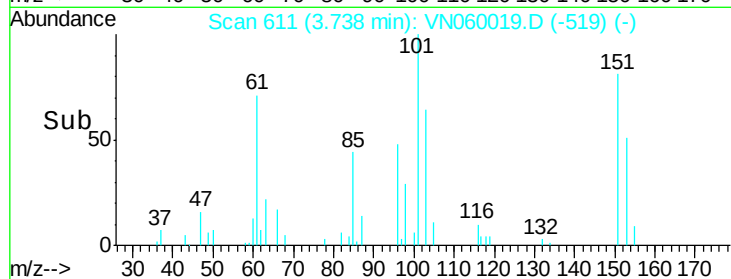
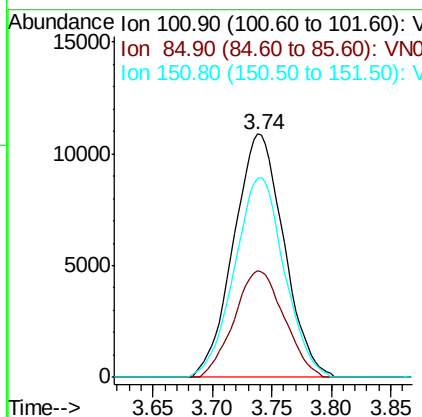
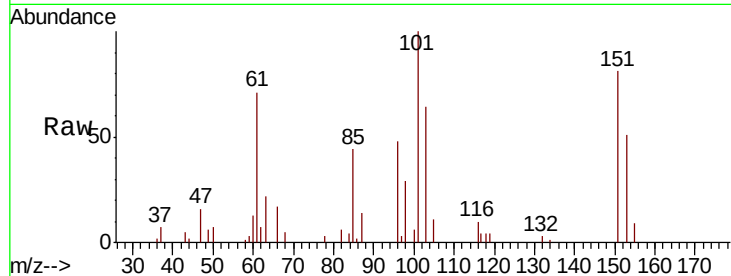
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.333 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampled :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.6	36.6	54.8
151	81.5	59.7	89.5

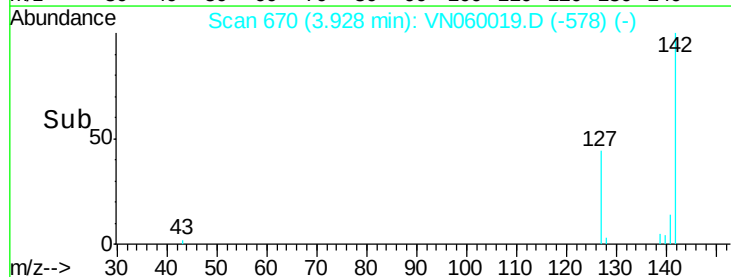
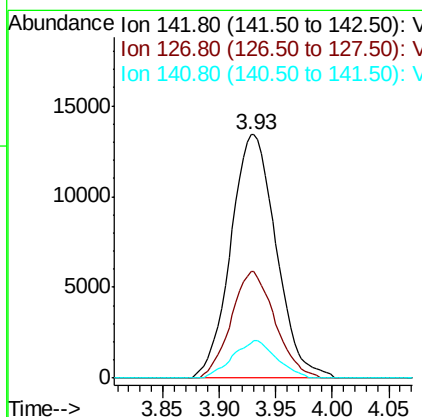
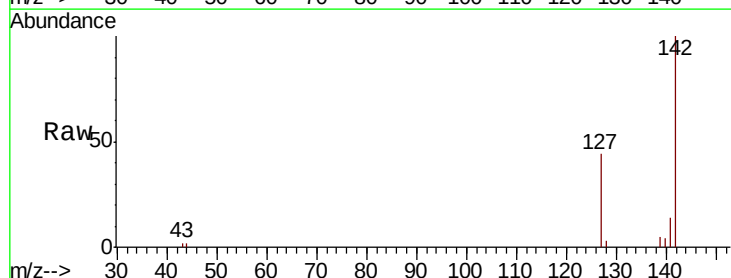
Manual Integrations
APPROVED

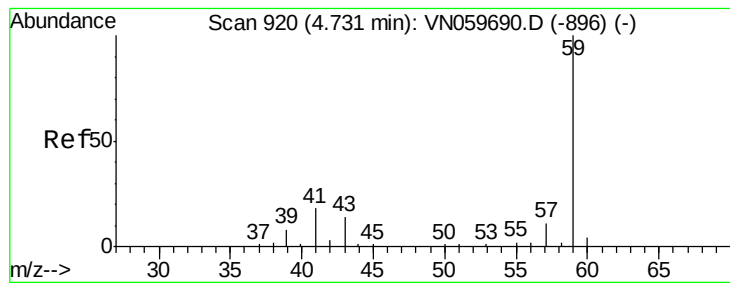
MMDadoda
2/10/2020 9:32:41 AM



#10
Methyl Iodide
Concen: 14.823 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.2	36.7	55.1
141	14.8	11.7	17.5





#11

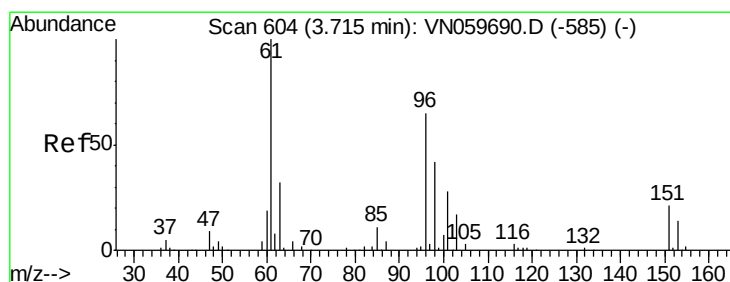
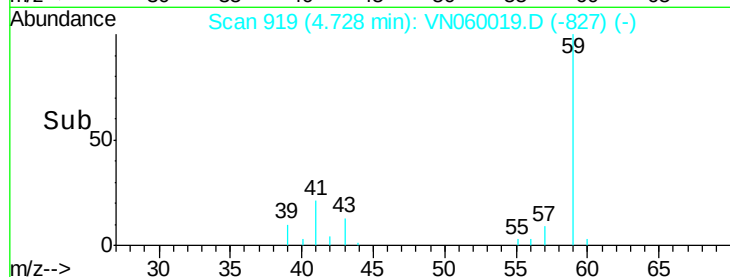
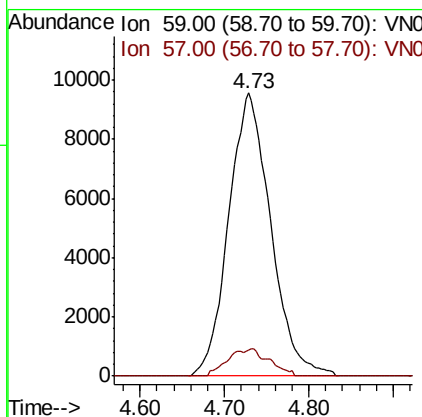
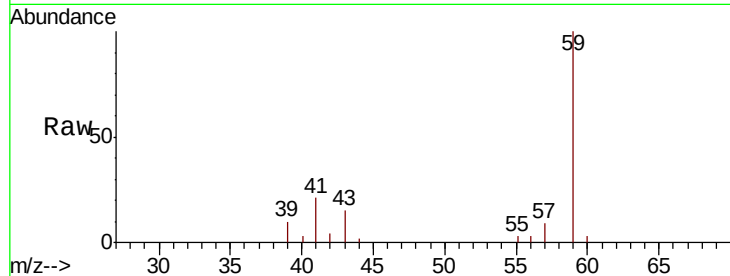
Tert butyl alcohol
 Concen: 99.227 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.0	8.6	12.8#

Manual Integrations
 APPROVED

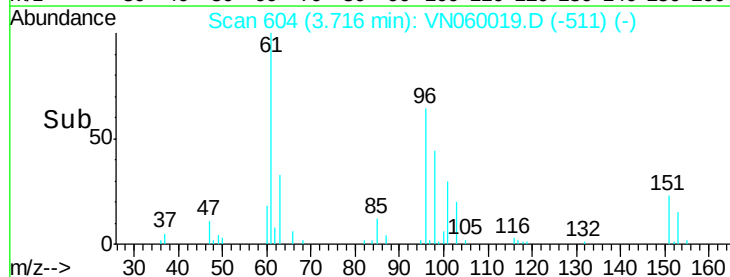
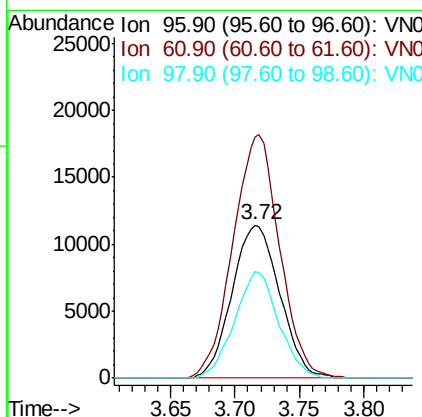
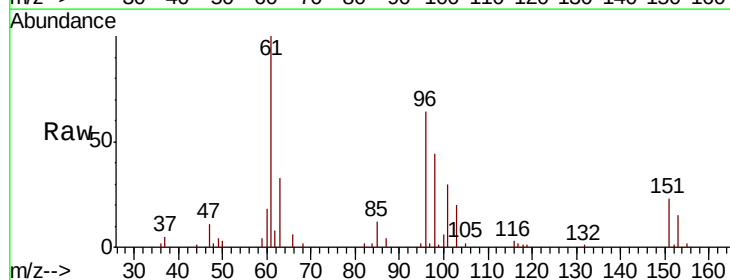
MMDadoda
 2/10/2020 9:32:41 AM

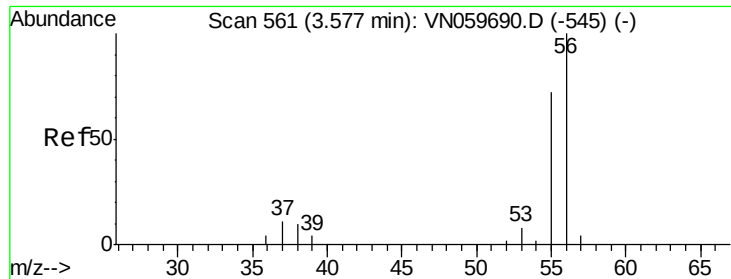


#12

1,1-Dichloroethene
 Concen: 17.979 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	137.5	206.3
98	69.5	50.2	75.4





#13

Acrolein

Concen: 45.915 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBS01

Tot Ion: 56 Resp: 10861

Ion Ratio Lower Upper

56 100

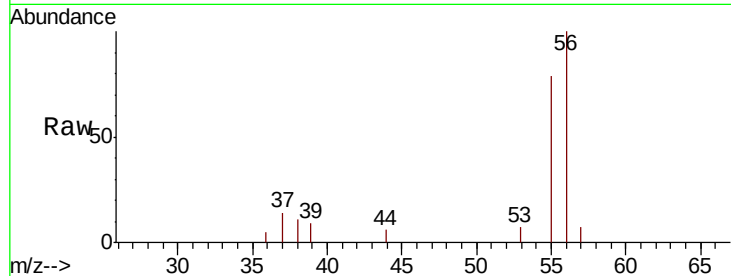
55 73.4 58.6 88.0

Manual Integrations

APPROVED

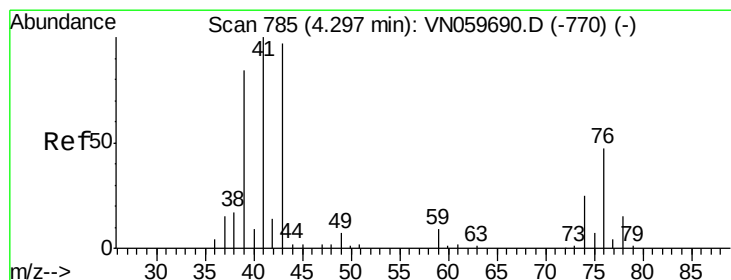
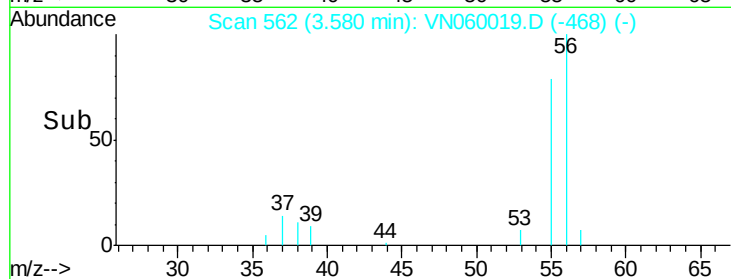
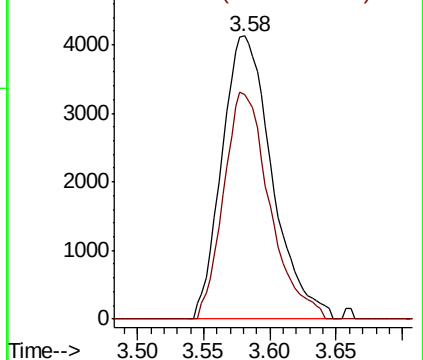
MMDadoda

2/10/2020 9:32:41 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.337 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

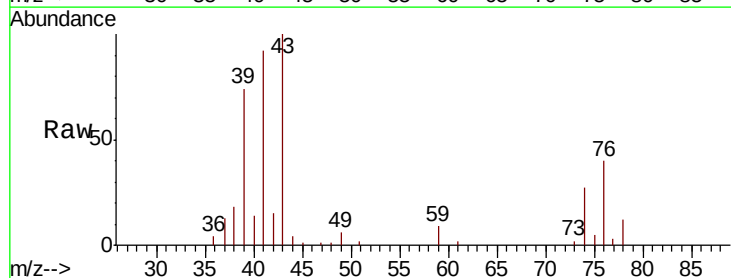
Tgt Ion: 41 Resp: 47032

Ion Ratio Lower Upper

41 100

39 75.2 57.8 86.8

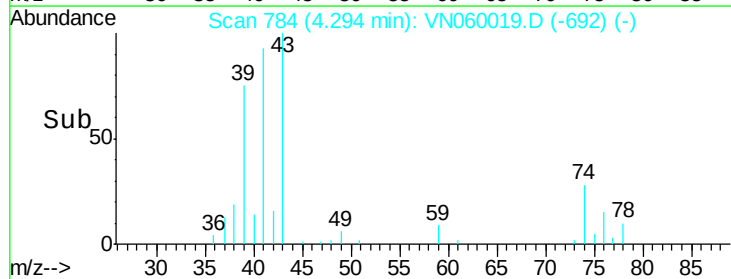
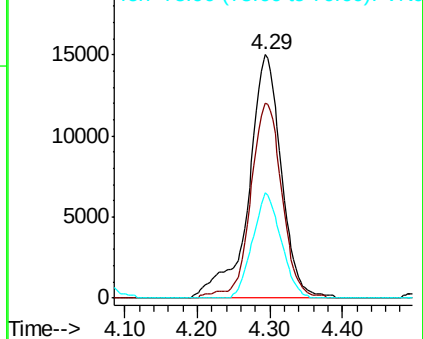
76 37.6 25.4 38.0

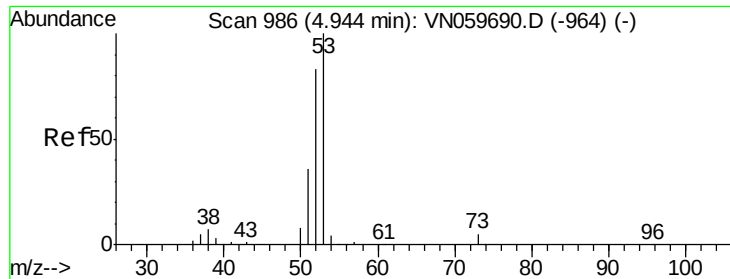


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.462 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

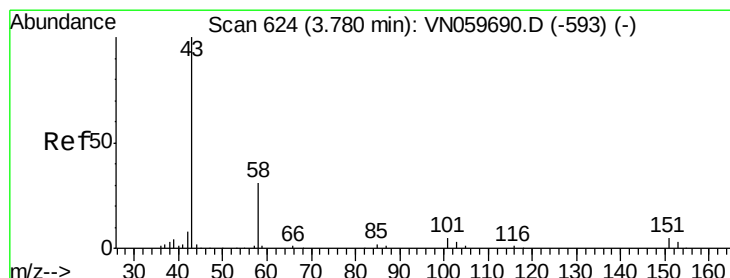
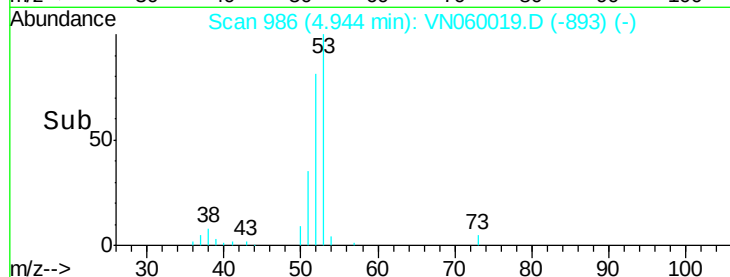
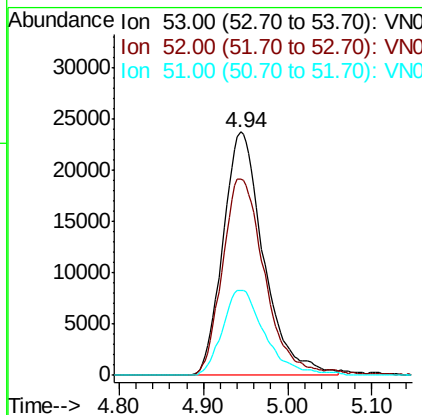
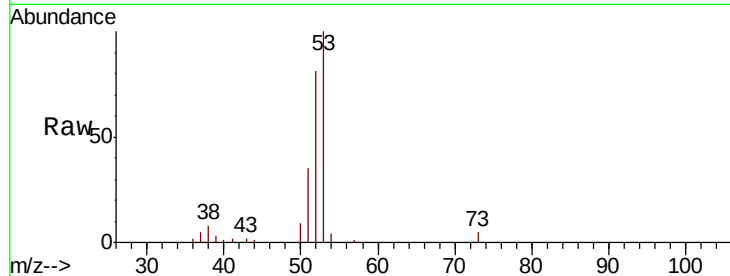
ClientSampleId :

VN0207WBS01

Tot Ion:	53	Resp:	79626
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.3	99.5
51	36.8	29.7	44.5

Manual Integrations
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2/10/2020 9:32:41 AM



#16

Acetone

Concen: 132.563 ug/l

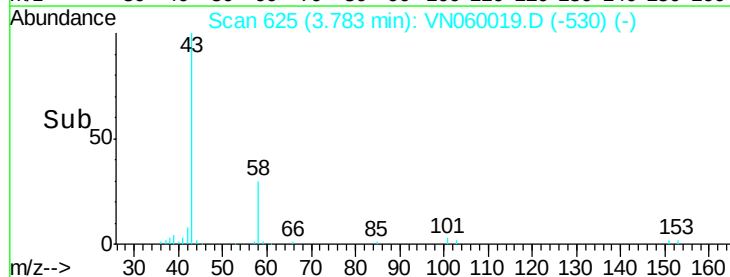
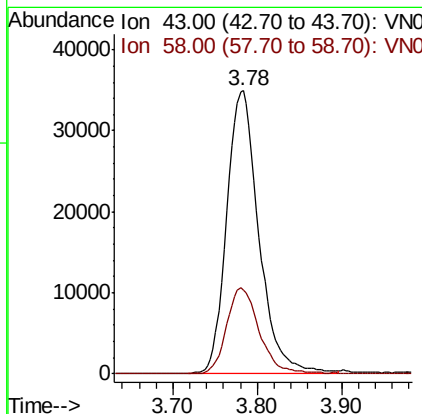
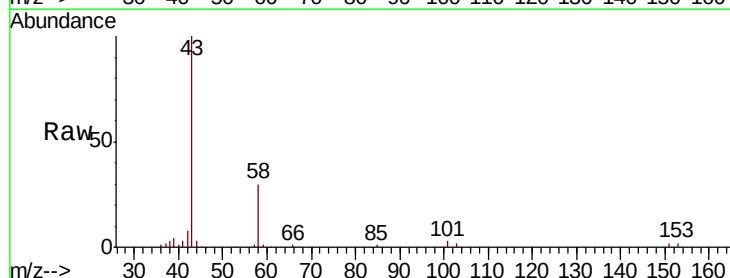
RT: 3.78 min Scan# 625

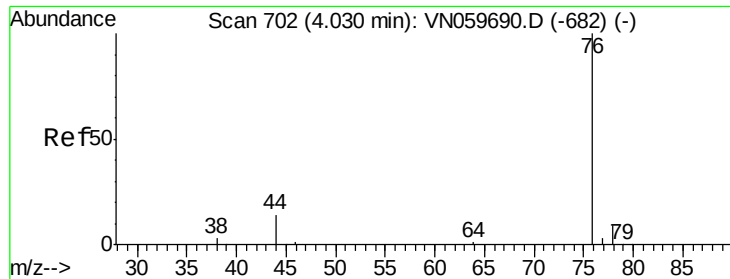
Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion:	43	Resp:	92932
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.6	35.4





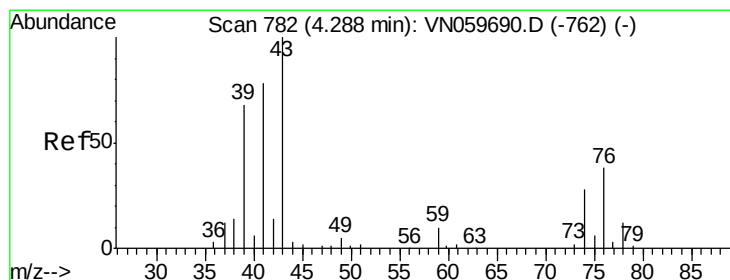
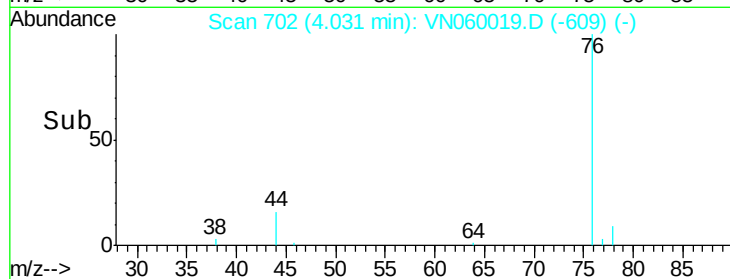
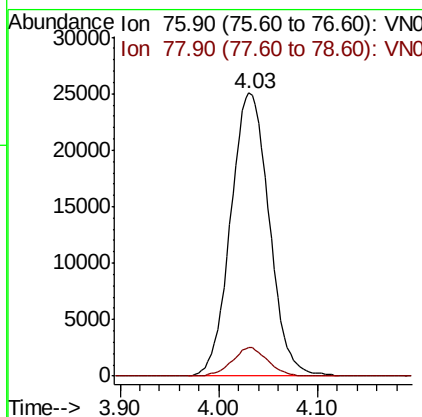
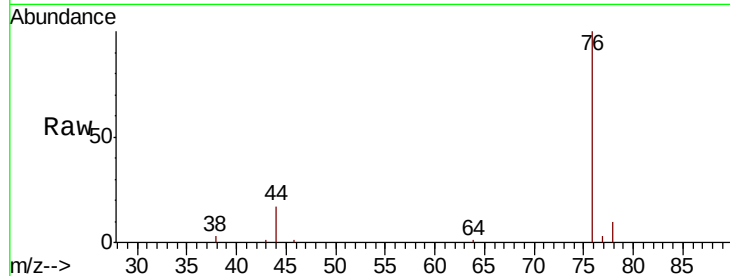
#17
Carbon Disulfide
Concen: 14.526 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.2	7.4	11.0

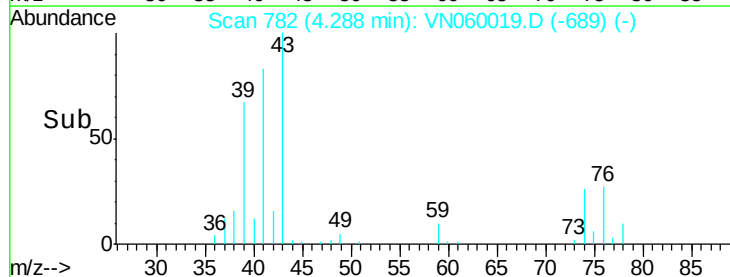
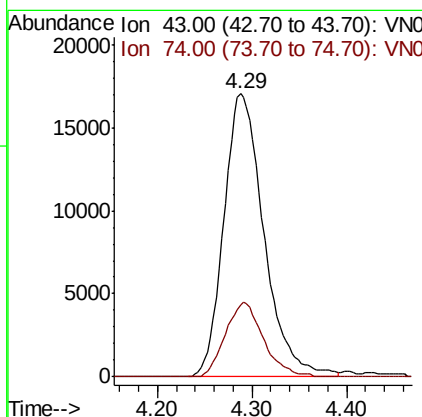
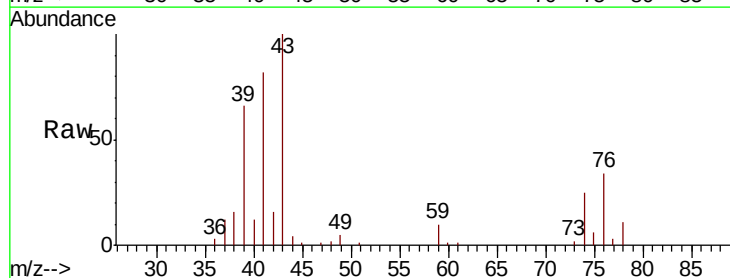
Manual Integrations
APPROVED

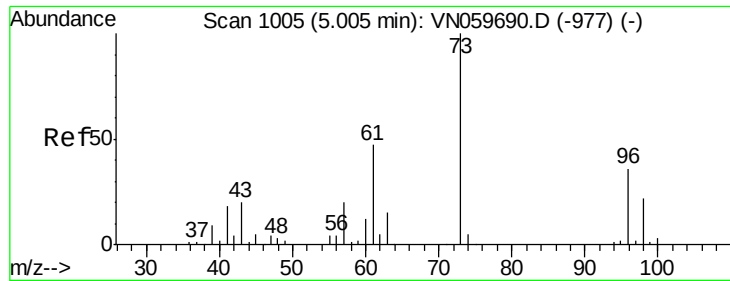
MMDadoda
2/10/2020 9:32:41 AM



#18
Methyl Acetate
Concen: 21.628 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	17.5	26.3





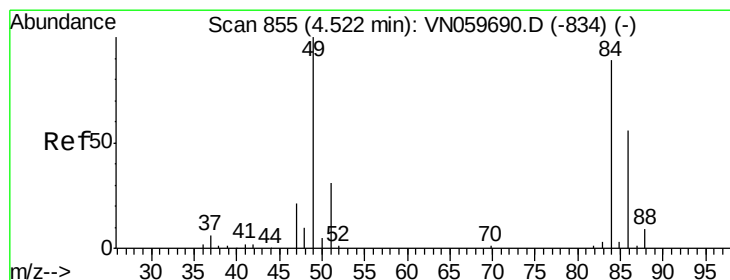
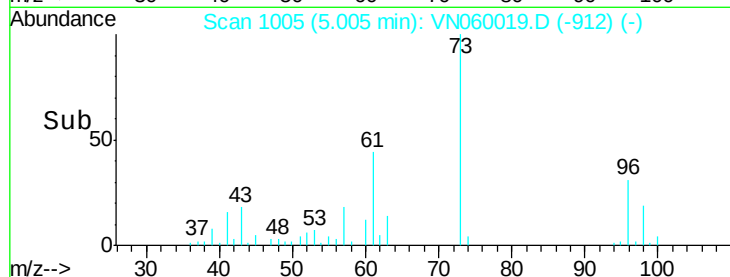
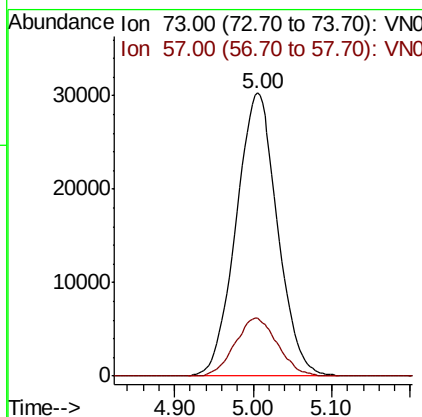
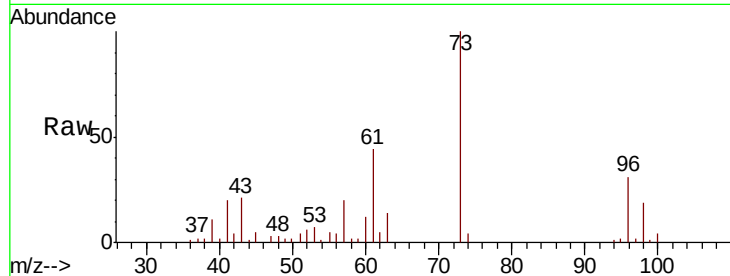
#19
Methvl tert-butyl Ether
Concen: 20.988 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion: 73 Resp: 111907
Ion Ratio Lower Upper
73 100
57 20.4 18.6 27.8

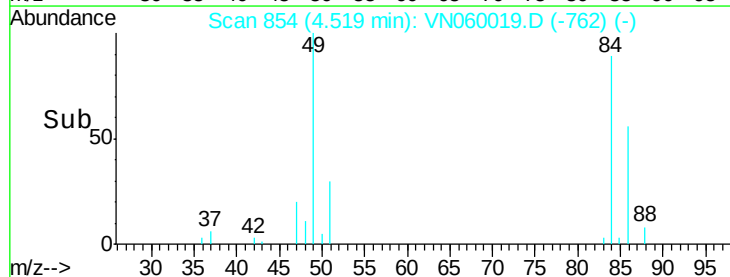
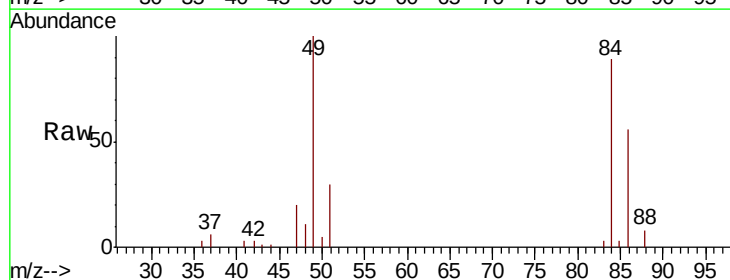
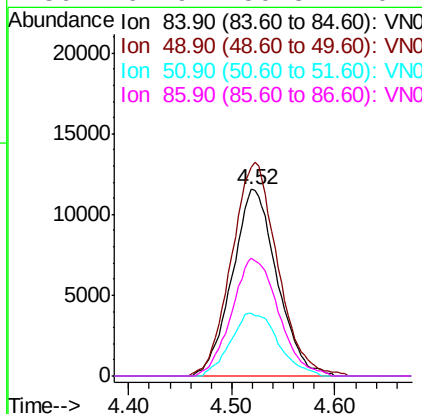
Manual Integrations
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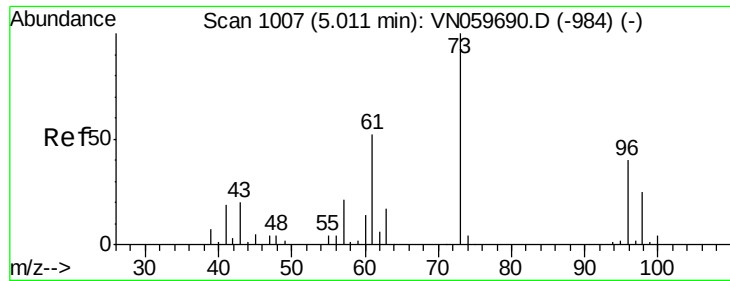
MMDadoda
2/10/2020 9:32:41 AM



#20
Methylene Chloride
Concen: 18.681 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 84 Resp: 35004
Ion Ratio Lower Upper
84 100
49 112.0 106.6 160.0
51 33.3 31.9 47.9
86 62.9 50.8 76.2





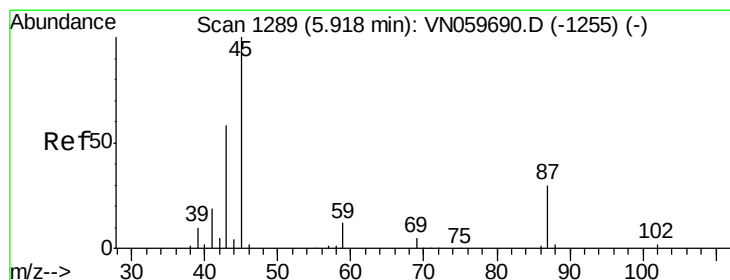
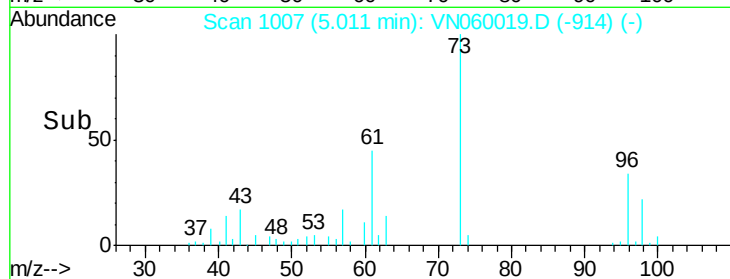
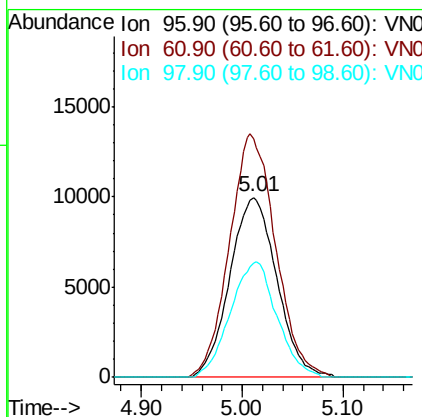
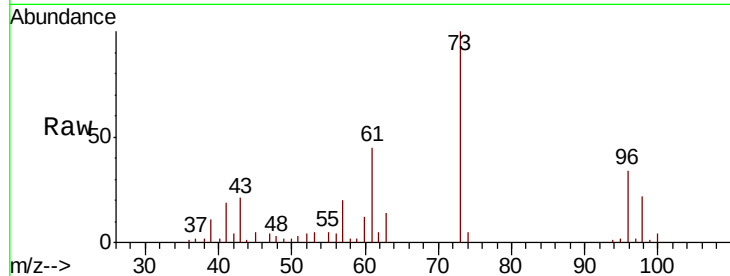
#21
trans-1,2-Dichloroethene
Concen: 18.596 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.6	120.4	180.6
98	63.3	50.6	75.8

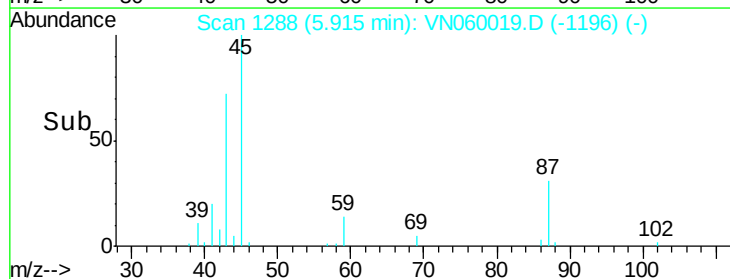
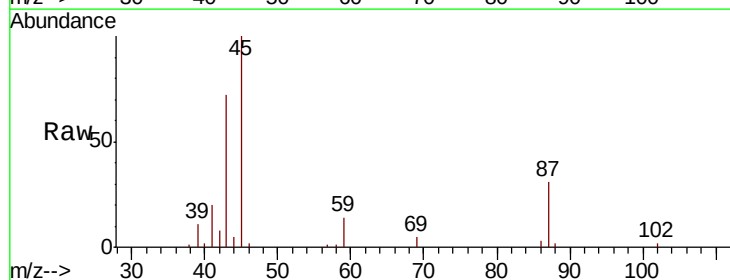
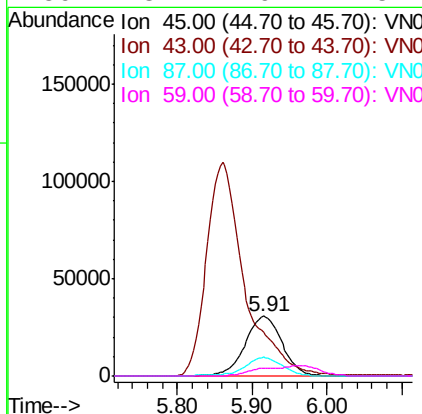
Manual Integrations
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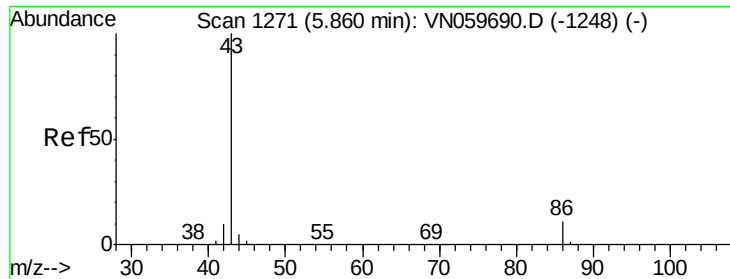
MMDadoda
2/10/2020 9:32:41 AM



#22
Diisopropyl ether
Concen: 21.156 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.2	50.8	76.2
87	31.1	21.0	31.6
59	13.1	9.1	13.7





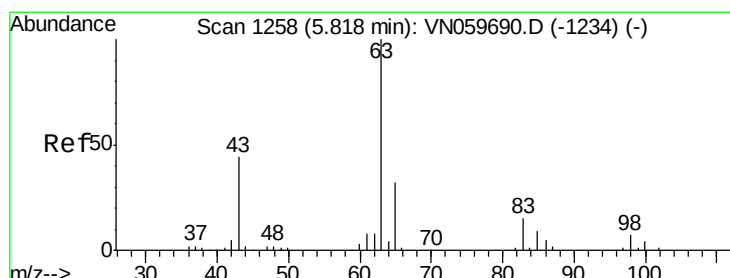
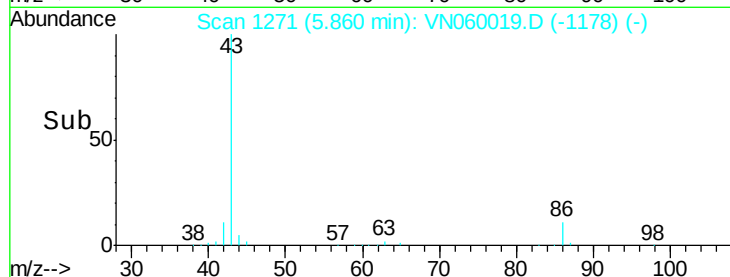
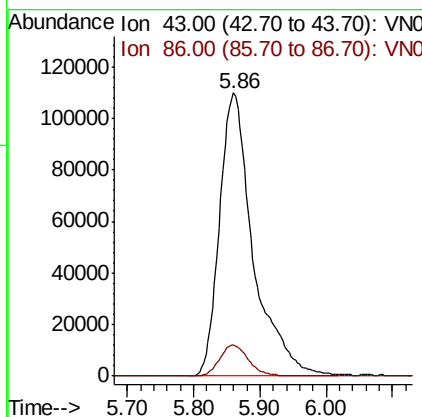
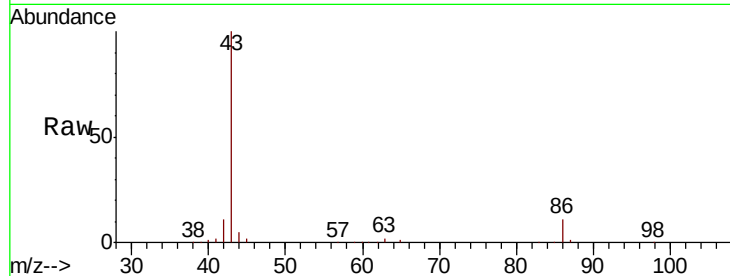
#23
 Vinyl Acetate
 Concen: 100.446 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	43	Resp	388468
Ion Ratio	100	Lower	Upper
43	100		
86	11.0	7.6	11.4

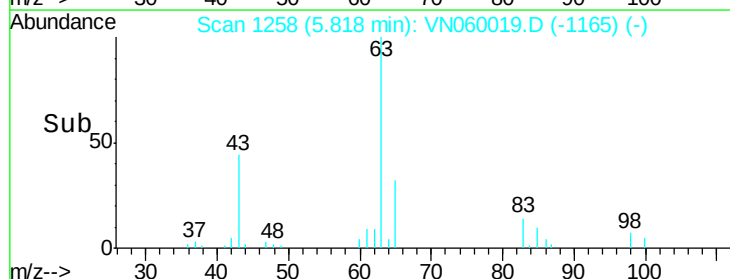
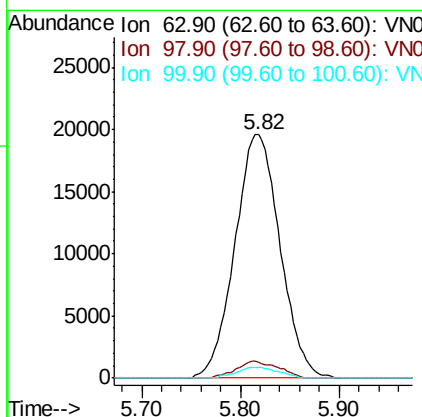
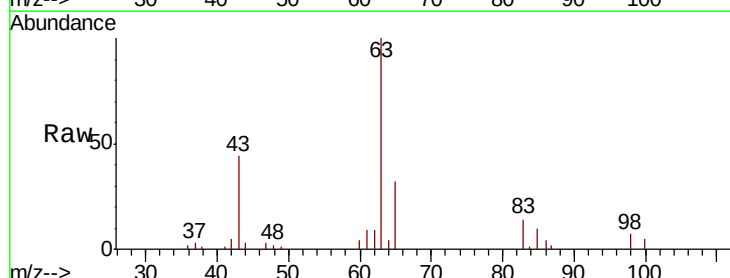
Manual Integrations
 APPROVED

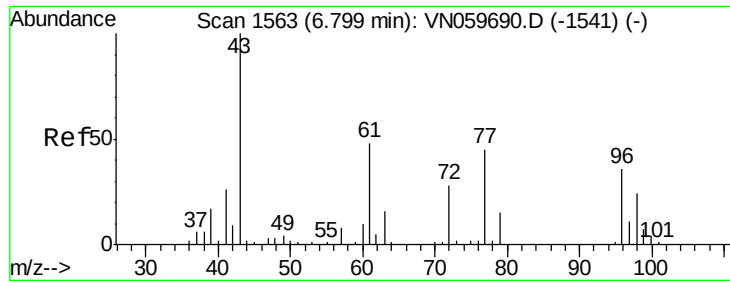
MMDadoda
 2/10/2020 9:32:41 AM



#24
 1,1-Dichloroethane
 Concen: 20.351 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	63	Resp	62113
Ion Ratio	100	Lower	Upper
63	100		
98	6.6	2.9	8.7
100	4.5	2.0	6.0





#25

2-Butanone

Concen: 104.310 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBS01

Tot Ion: 43 Resp: 117253

Ion Ratio Lower Upper

43 100

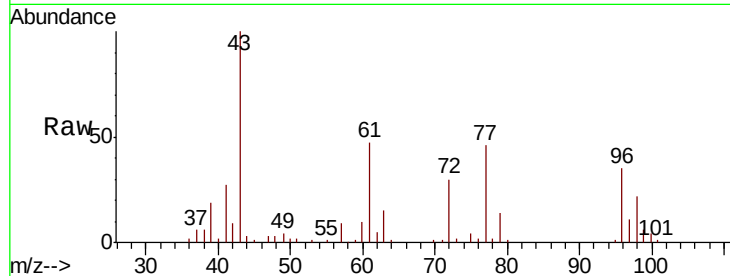
72 29.7 19.9 29.9

Manual Integrations

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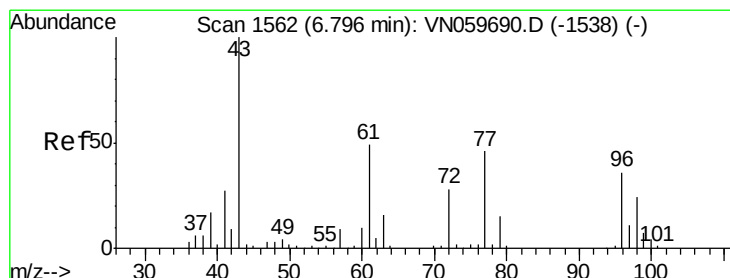
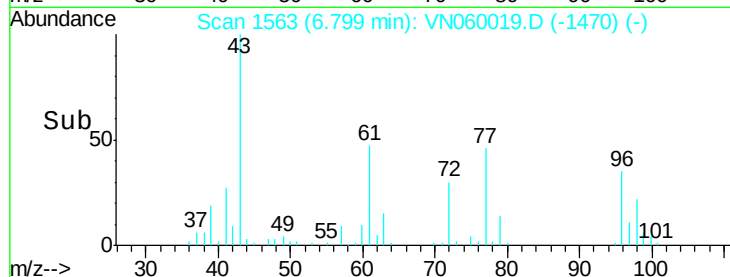
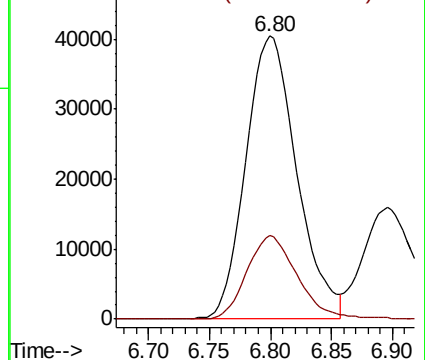
MMDadoda

2/10/2020 9:32:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.501 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060019.D

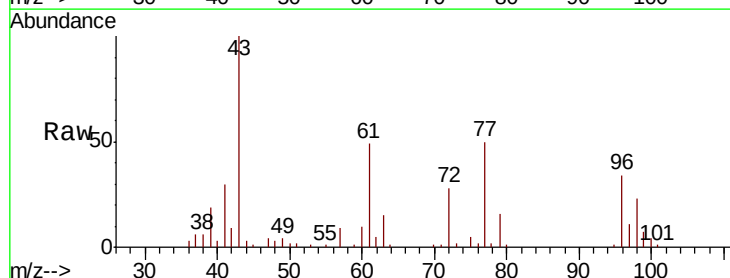
Acq: 7 Feb 2020 10:15

Tgt Ion: 77 Resp: 60155

Ion Ratio Lower Upper

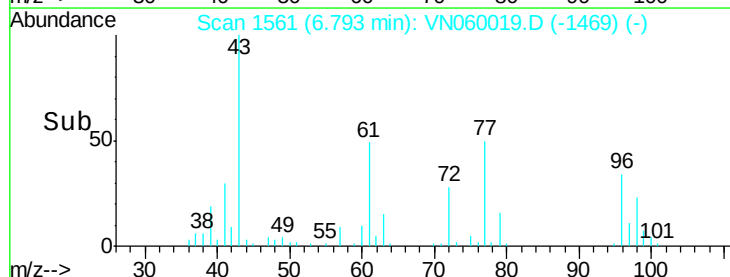
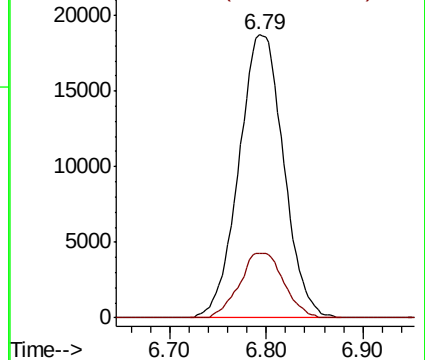
77 100

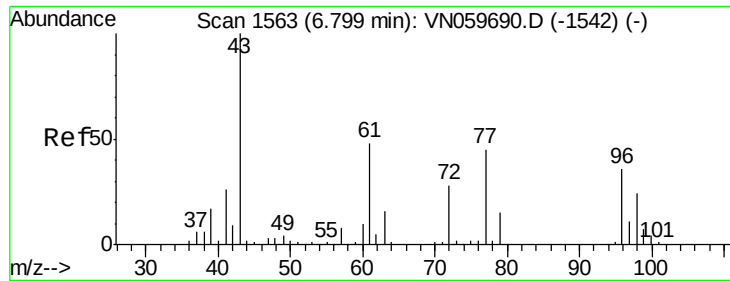
97 22.7 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





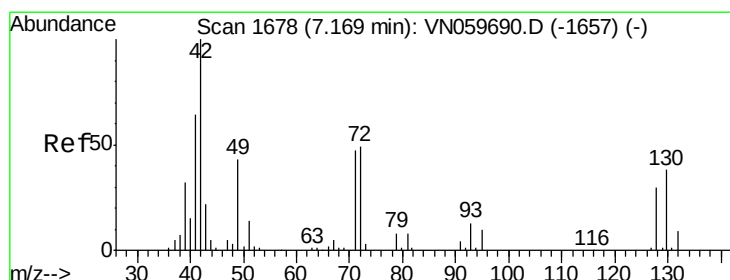
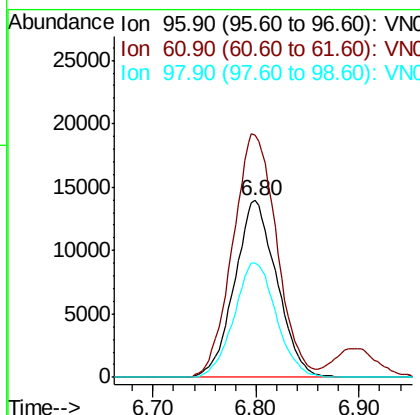
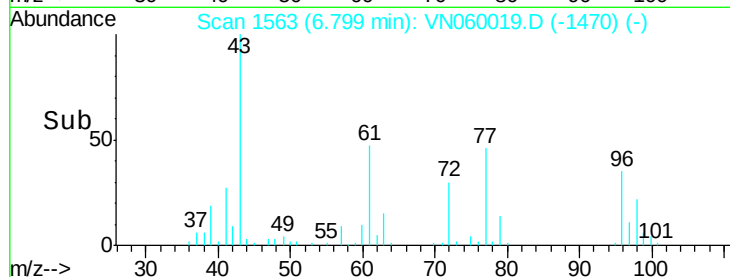
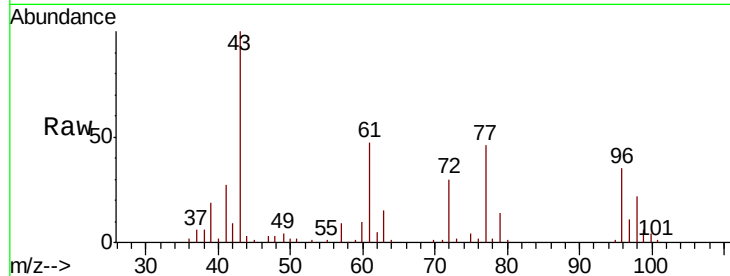
#27
 cis-1,2-Dichloroethene
 Concen: 19.853 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	317.6
98	64.6	0.0	127.0

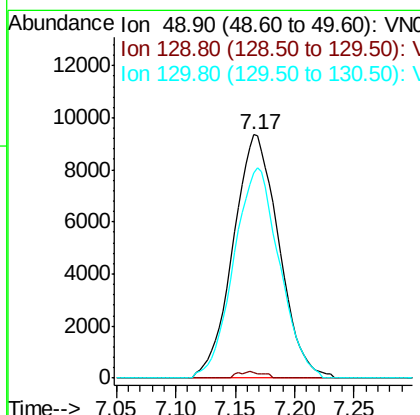
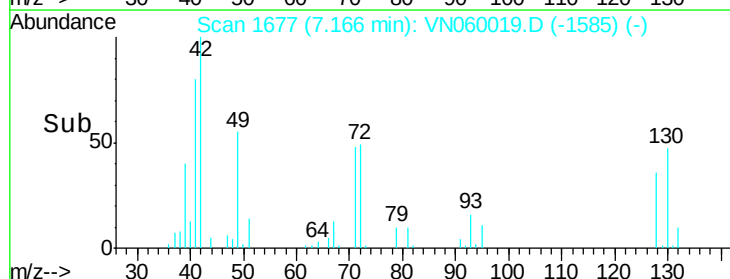
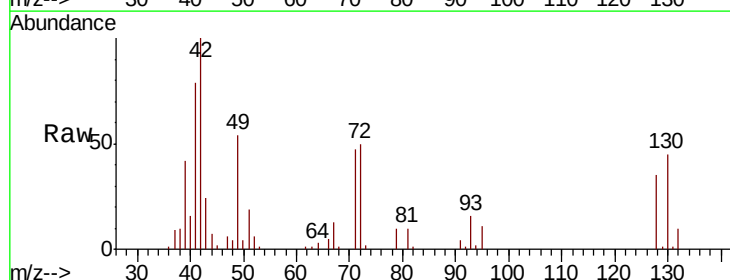
Manual Integrations
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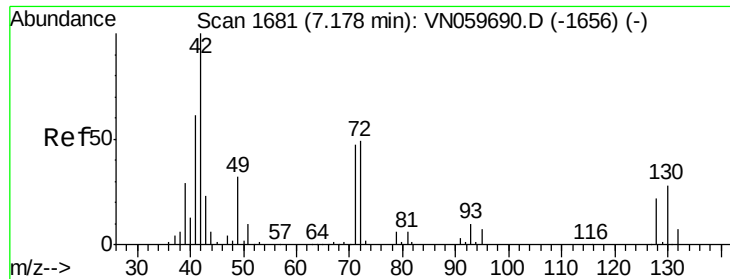
MMDadoda
 2/10/2020 9:32:41 AM



#28
 Bromochloromethane
 Concen: 20.332 ug/l
 RT: 7.17 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	86.6	54.7	82.1#





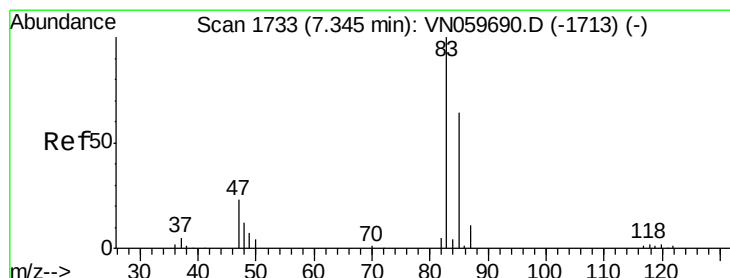
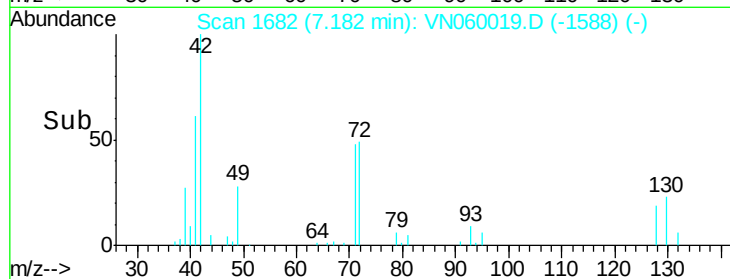
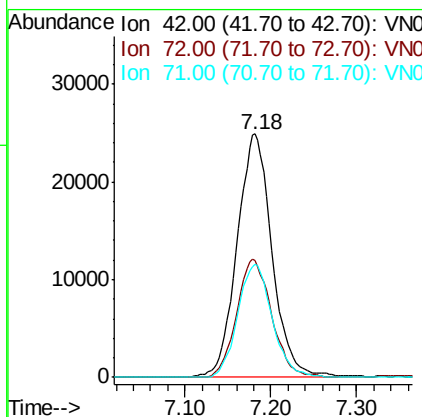
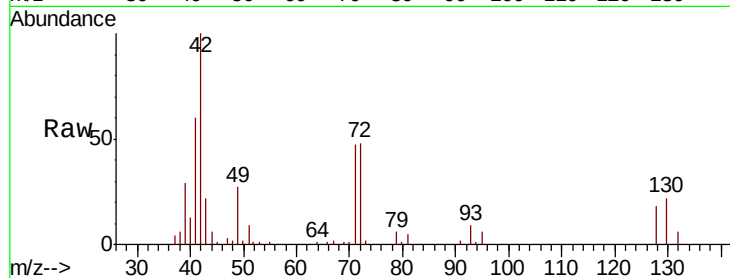
#29
Tetrahydrofuran
Concen: 101.289 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	33.1	49.7
71	45.6	31.4	47.0

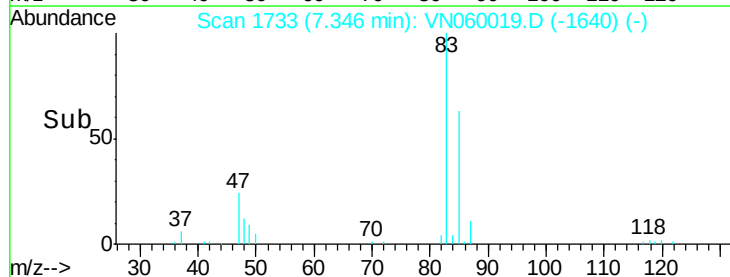
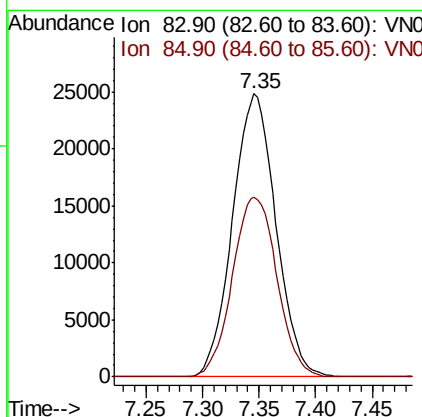
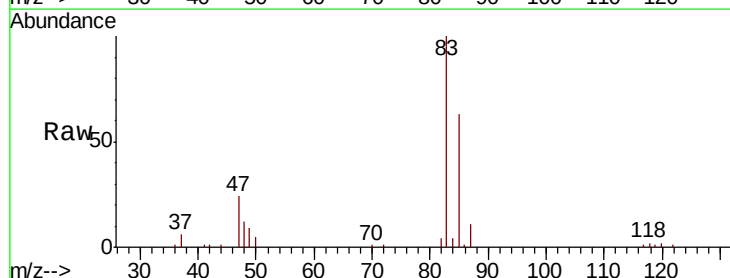
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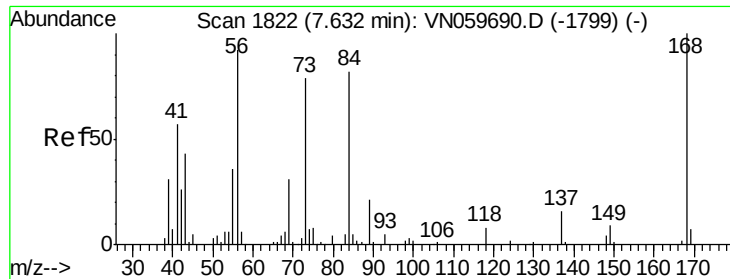
MMDadoda
2/10/2020 9:32:41 AM



#30
Chloroform
Concen: 20.922 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.4	78.6





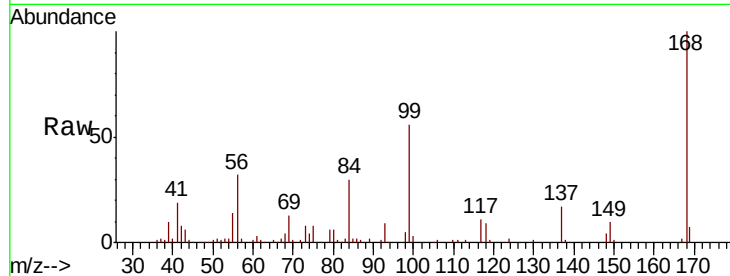
#31
Cyclohexane
Concen: 17.647 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

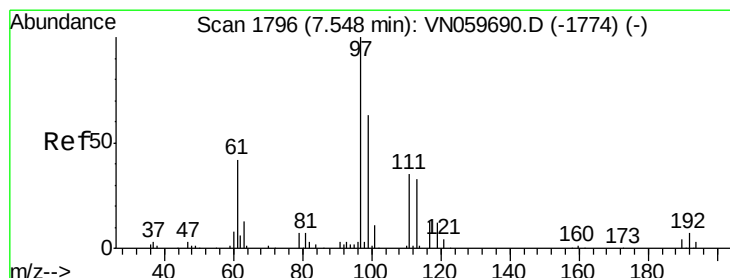
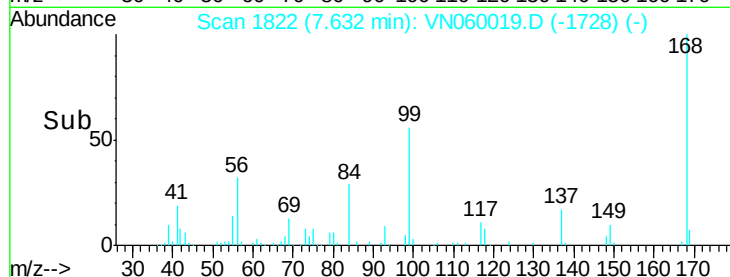
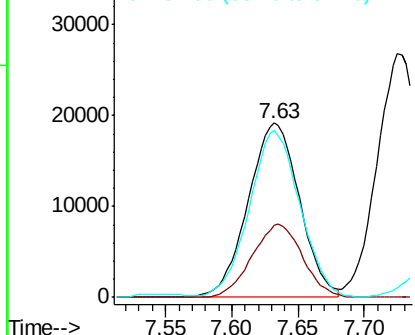
Tot Ion	Ratio	Lower	Upper
56	100		
69	41.2	26.5	39.7#
84	95.1	65.3	97.9

Manual Integrations
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MMDadoda
2/10/2020 9:32:41 AM

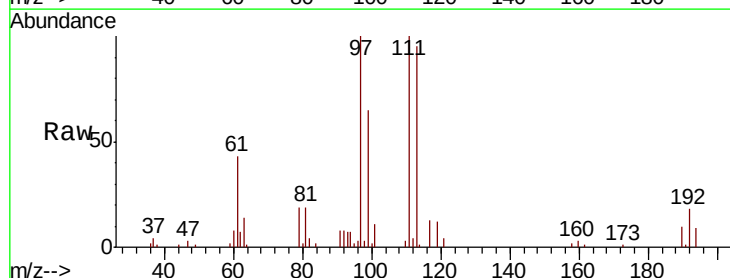


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

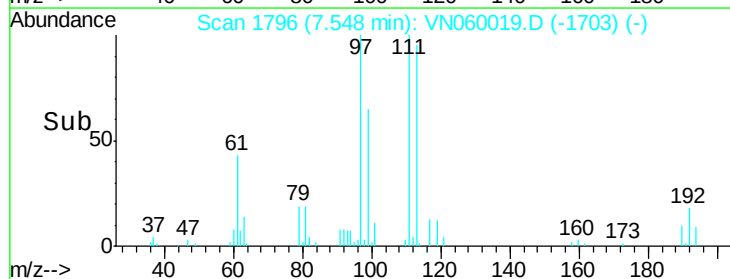
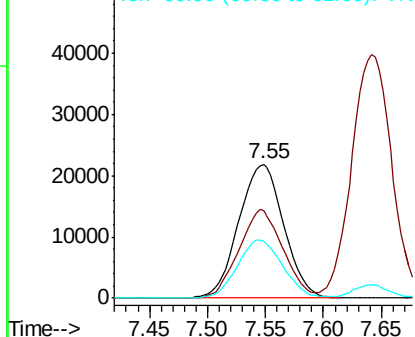


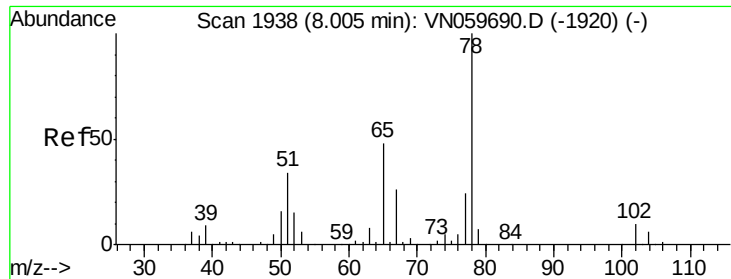
#32
1,1,1-Trichloroethane
Concen: 20.158 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.4
61	43.6	38.5	57.7



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





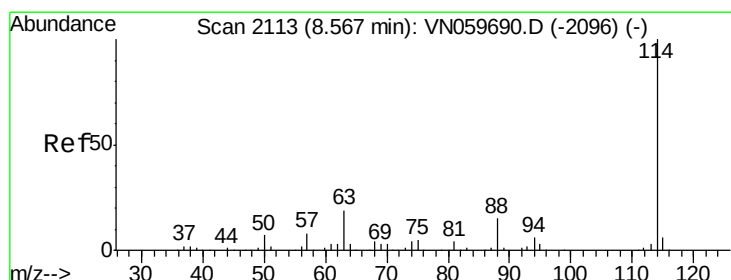
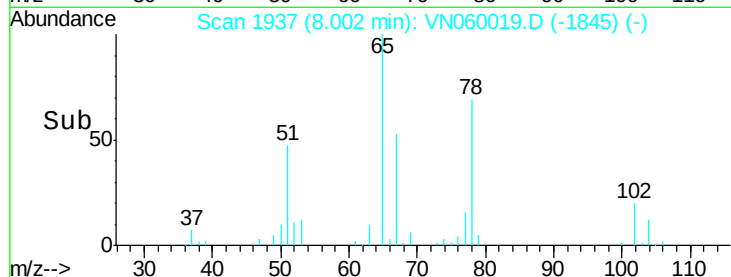
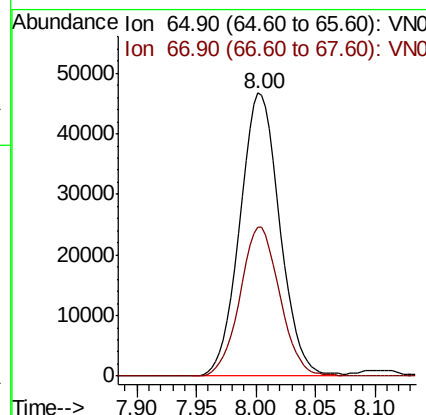
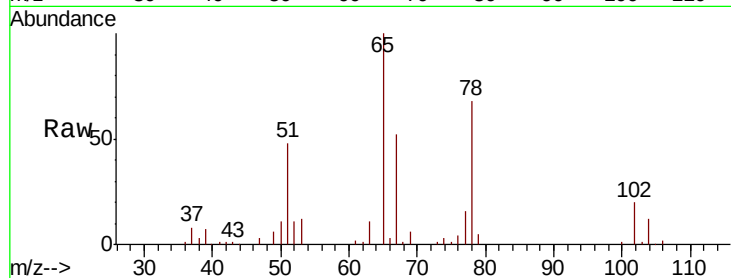
#33
 1,2-Dichloroethane-d4
 Concen: 54.778 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

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

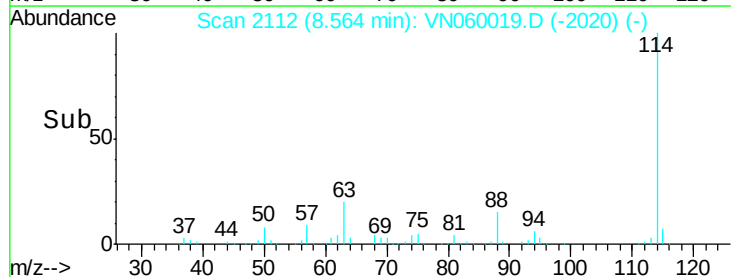
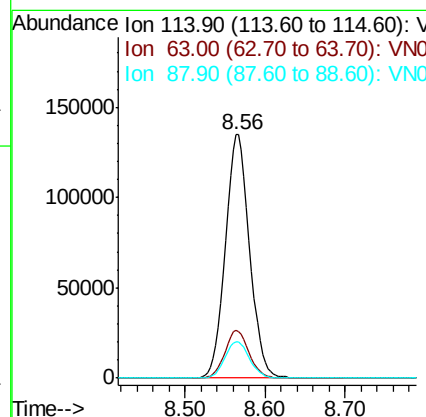
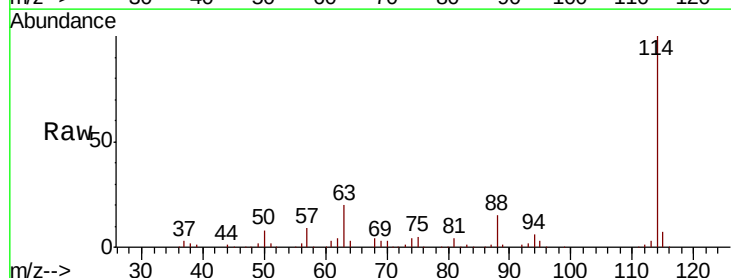
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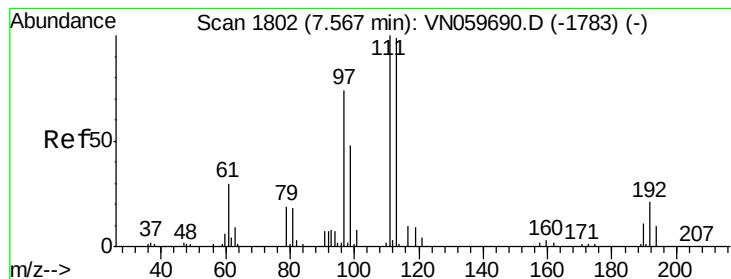
MMDadoda
 2/10/2020 9:32:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.8	0.0	43.6	
88	15.1	0.0	31.4	





#35

Dibromofluoromethane

Concen: 53.506 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

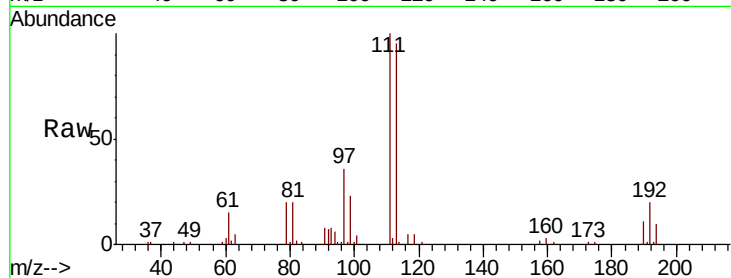
ClientSampleId :

VN0207WBS01

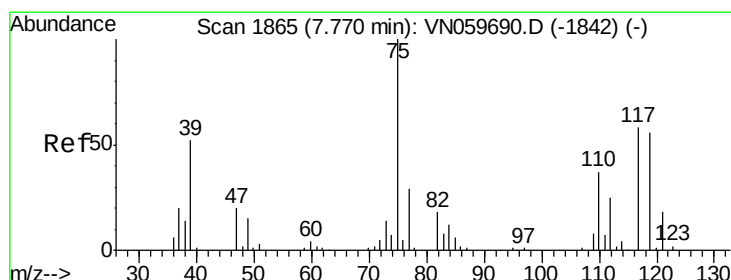
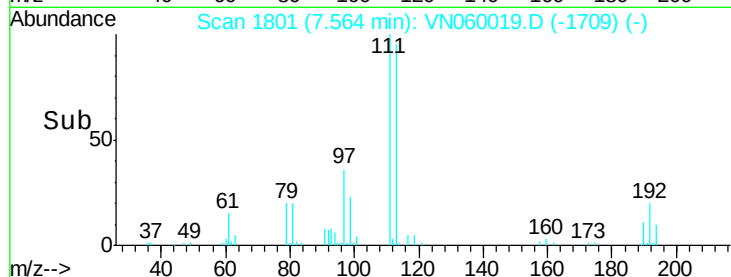
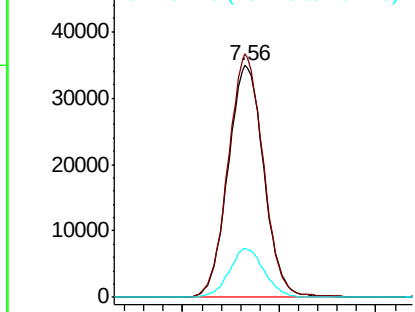
Tot Ion:	113	Resp:	89560
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.5	125.3
192	20.5	15.4	23.2

Manual Integrations
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2/10/2020 9:32:41 AM



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.722 ug/l

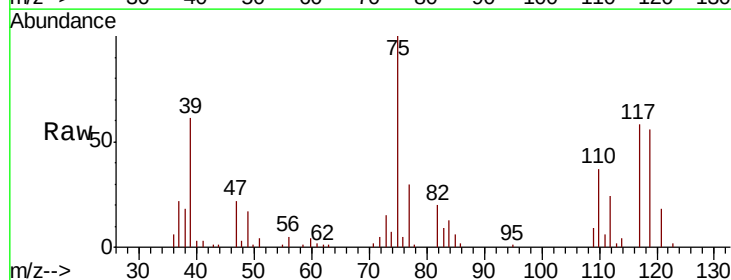
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

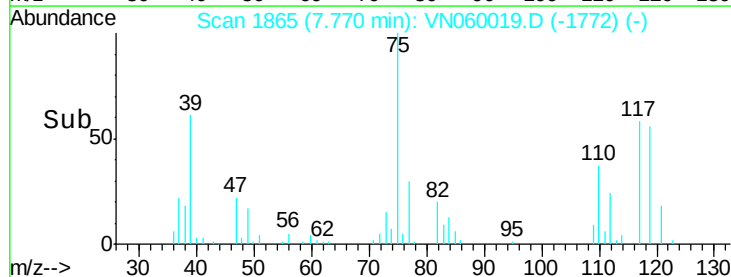
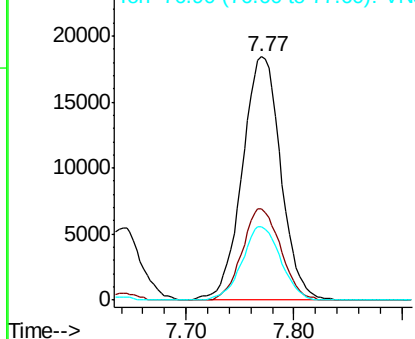
Lab File: VN060019.D

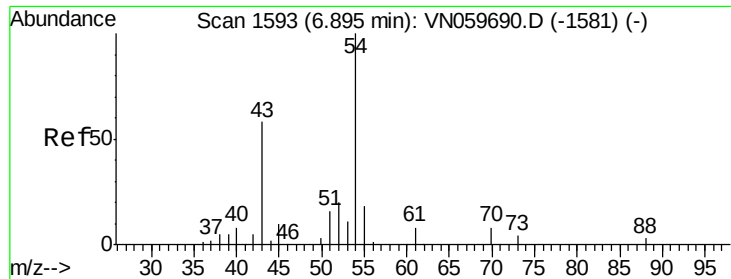
Acq: 7 Feb 2020 10:15

Tgt Ion:	75	Resp:	45762
Ion Ratio	Lower	Upper	
75	100		
110	37.2	16.6	49.7
77	30.2	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





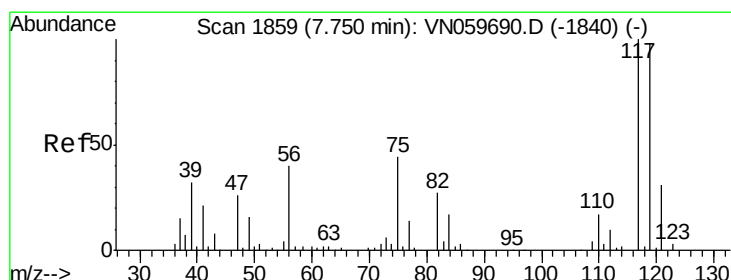
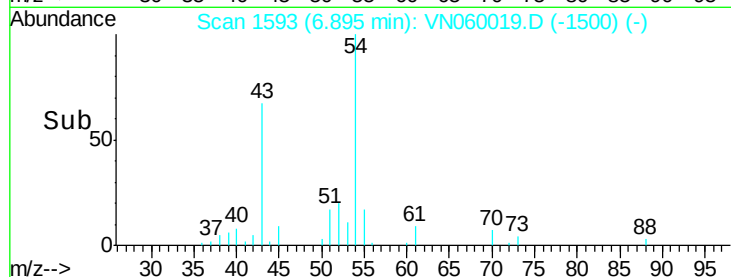
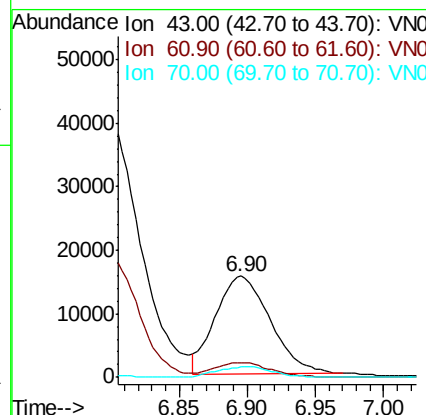
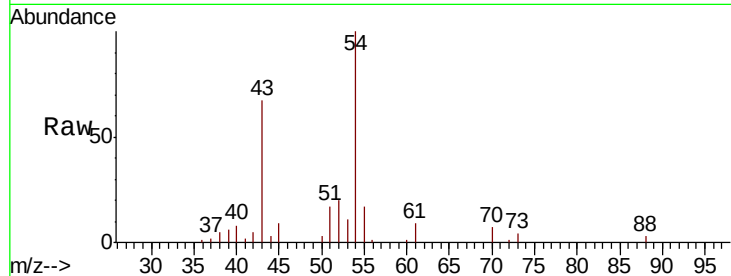
#37
Ethyl Acetate
Concen: 18.848 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	43	Resp	43210
Ion Ratio	100	Lower	Upper
61	15.6	10.9	16.3
70	10.7	7.7	11.5

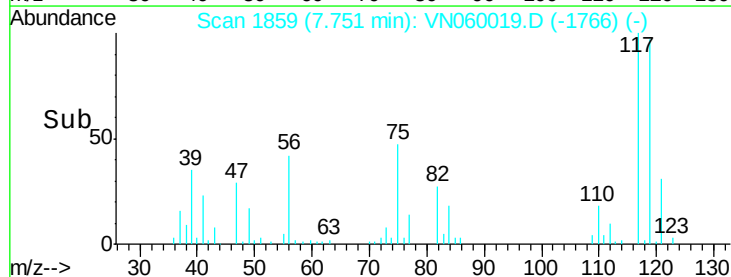
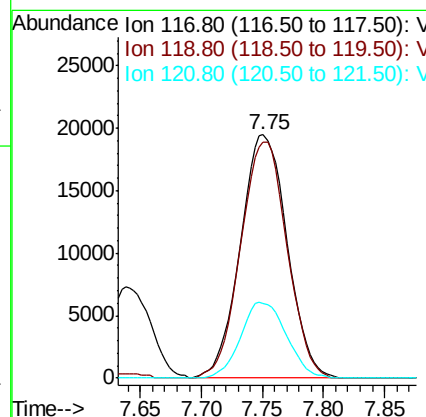
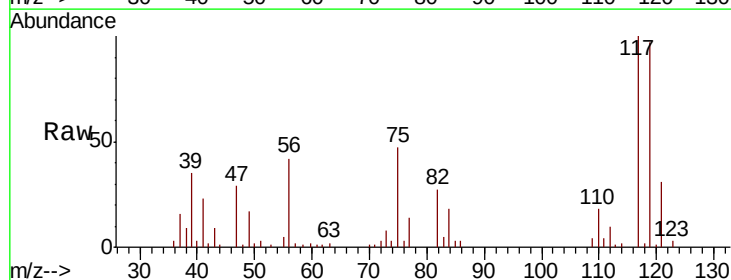
Manual Integrations
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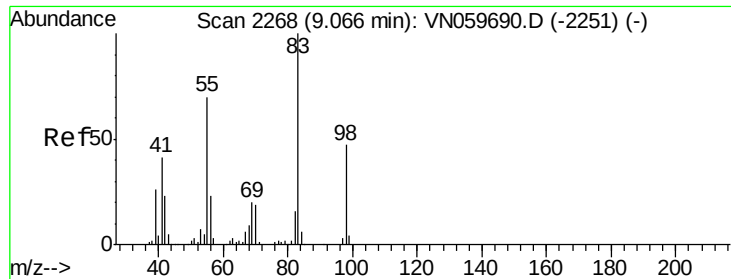
MMDadoda
2/10/2020 9:32:41 AM



#38
Carbon Tetrachloride
Concen: 19.455 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	117	Resp	51729
Ion Ratio	100	Lower	Upper
119	96.9	76.5	114.7
121	30.8	25.1	37.7





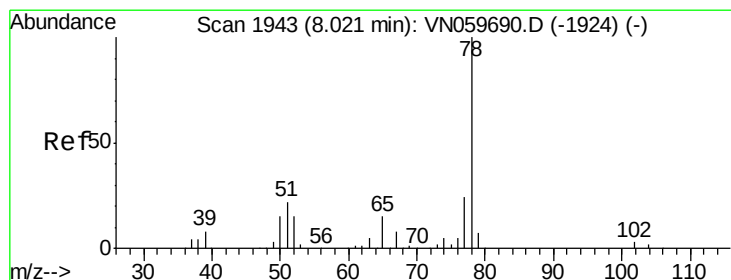
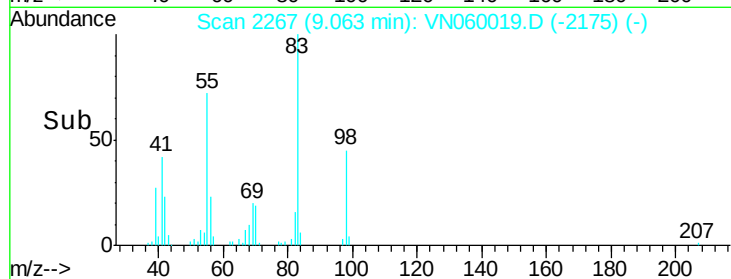
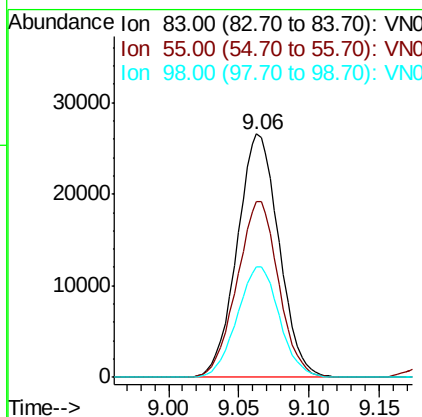
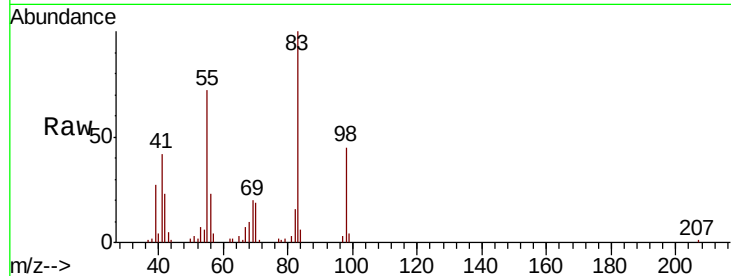
#39
Methylvlcyclohexane
Concen: 18.299 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	64.2	96.2
98	45.3	35.9	53.9

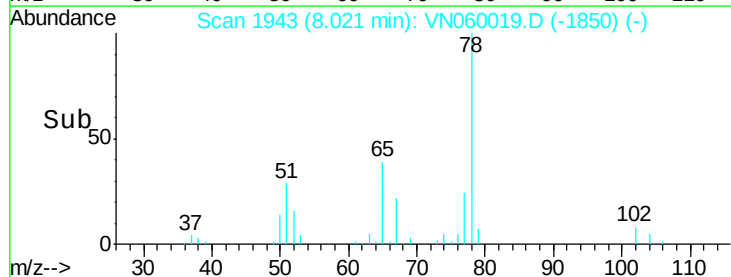
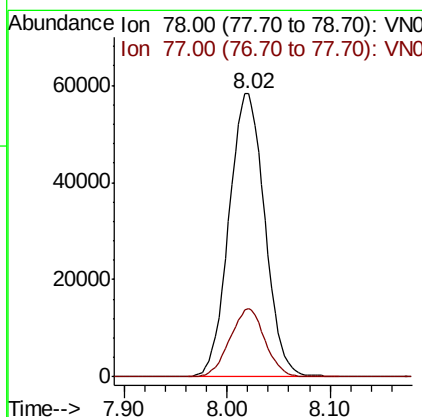
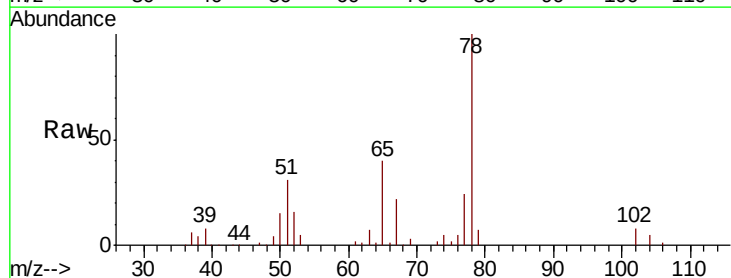
Manual Integrations
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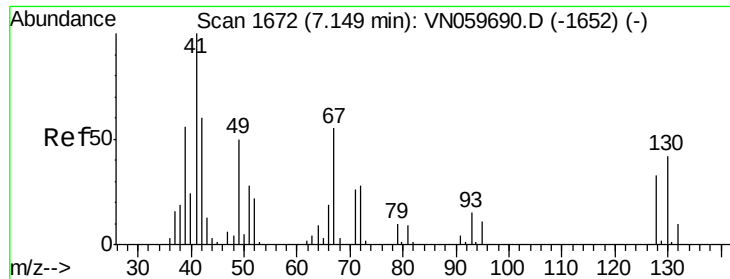
MMDadoda
2/10/2020 9:32:41 AM



#40
Benzene
Concen: 19.304 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.9	28.3





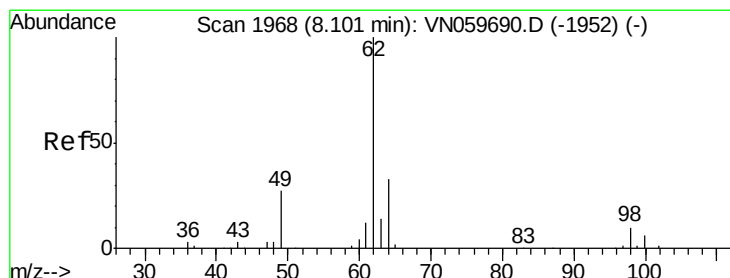
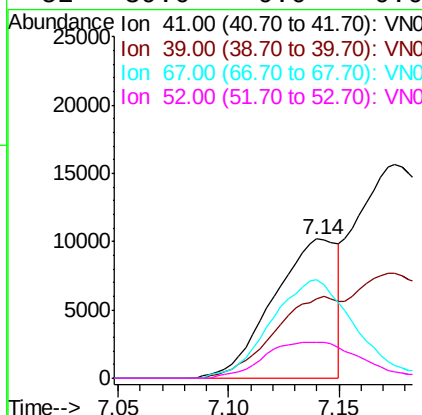
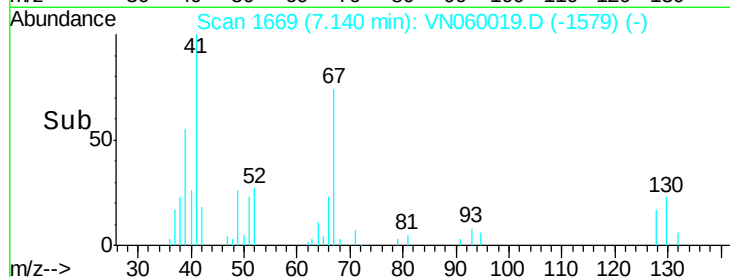
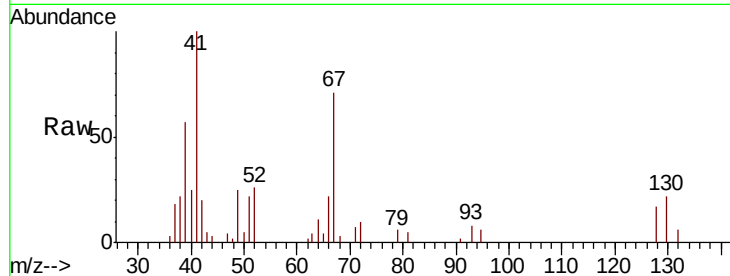
#41
Methacrylonitrile
Concen: 18.270 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	20631		
39	63.1	0.0	0.0	#
67	92.9	0.0	0.0	#
52	39.0	0.0	0.0	#

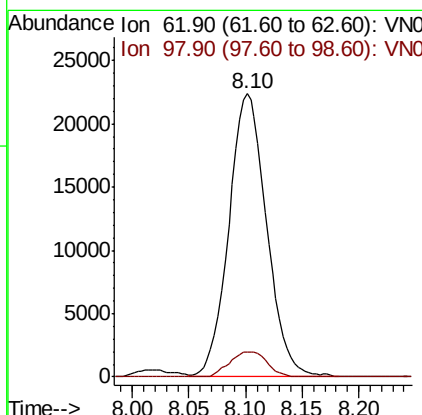
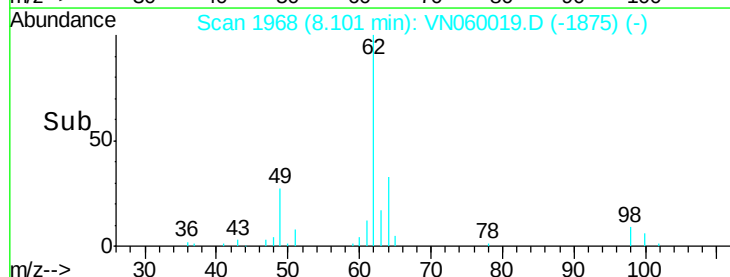
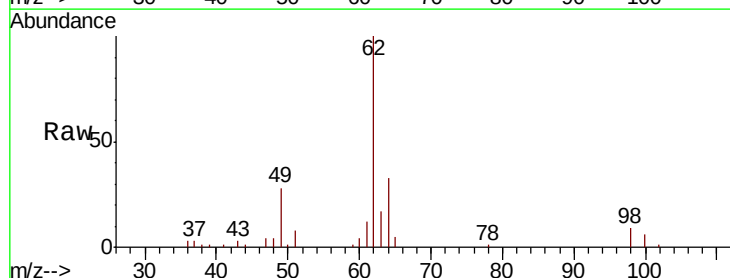
Manual Integrations
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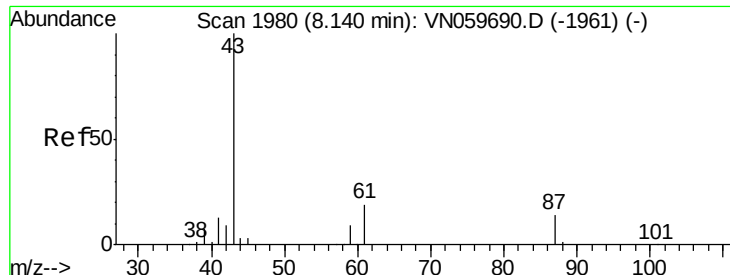
MMDadoda
2/10/2020 9:32:41 AM



#42
1,2-Dichloroethane
Concen: 21.037 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	51995		
98	8.8	0.0	15.8	





#43

Isopropyl Acetate

Concen: 19.800 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

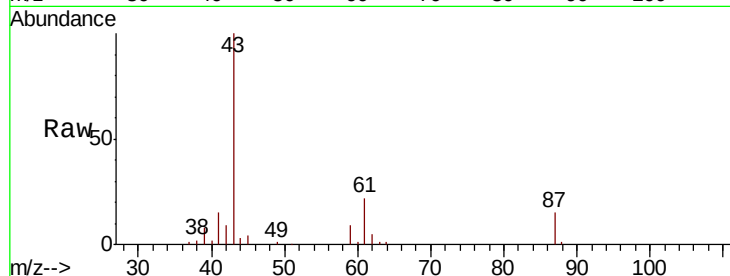
ClientSampleId :

VN0207WBS01

Tot Ion:	43	Resp:	78076
Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.2	30.2
87	14.5	9.5	14.3#

Manual Integrations
APPROVED

MMDadoda
2/10/2020 9:32:41 AM

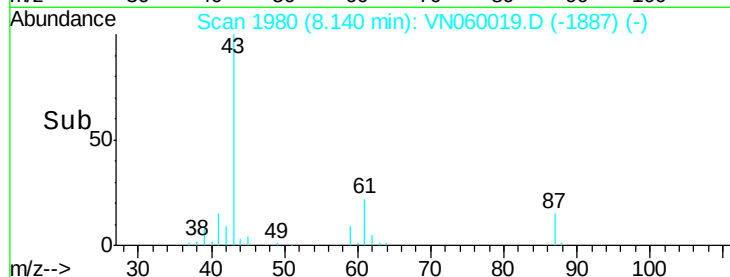


Abundance Ion 43.00 (42.70 to 43.70): VN060019.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060019.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060019.D (-1887) (-)

Time-->



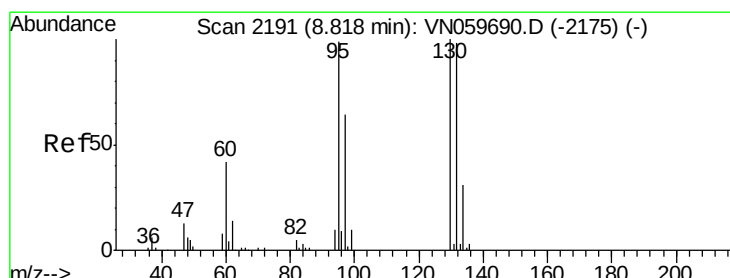
Abundance

Ion 43.00 (42.70 to 43.70): VN060019.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060019.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060019.D (-1887) (-)

Time-->



#44

Trichloroethene

Concen: 19.781 ug/l

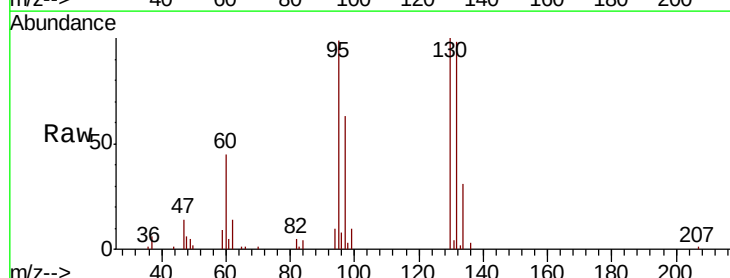
RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

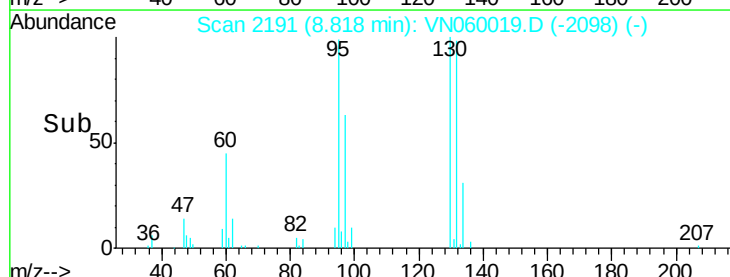
Tgt Ion:	130	Resp:	39365
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	207.0



Abundance Ion 129.80 (129.50 to 130.50): VN060019.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060019.D (-2098) (-)

Time-->

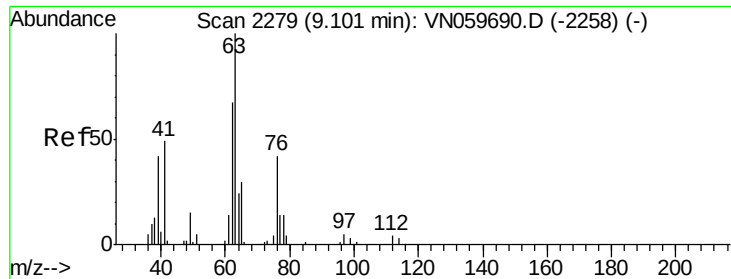


Abundance

Ion 129.80 (129.50 to 130.50): VN060019.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060019.D (-2098) (-)

Time-->



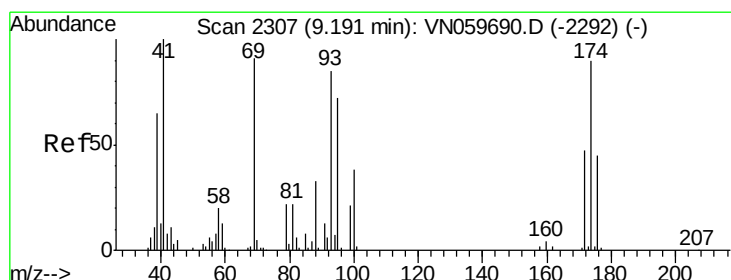
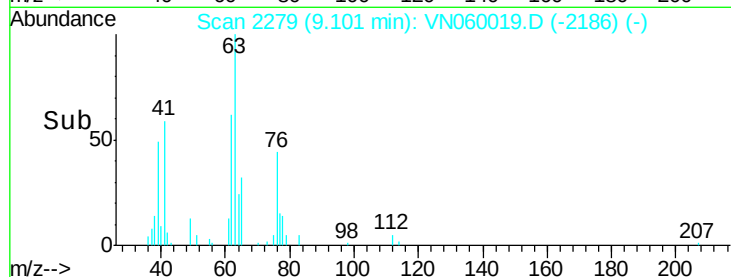
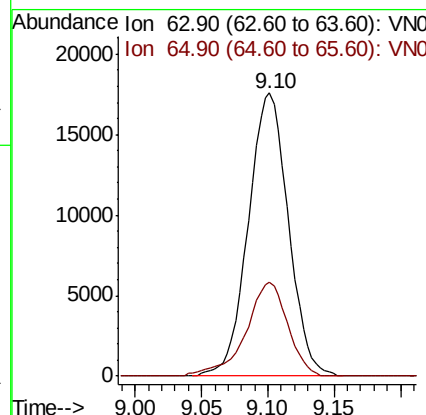
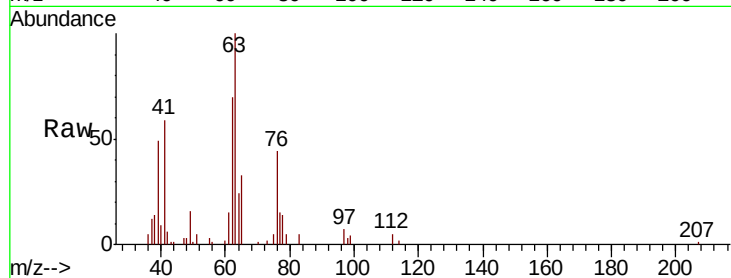
#45
 1,2-Dichloropropane
 Concen: 20.450 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.3	24.9	37.3

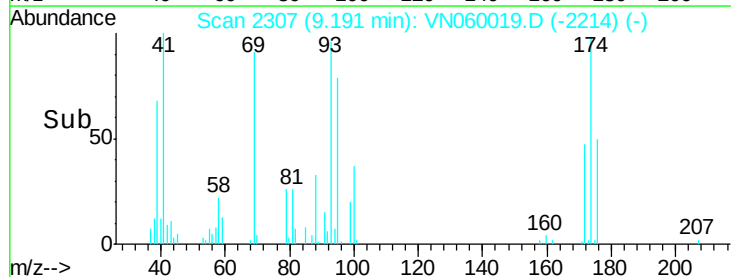
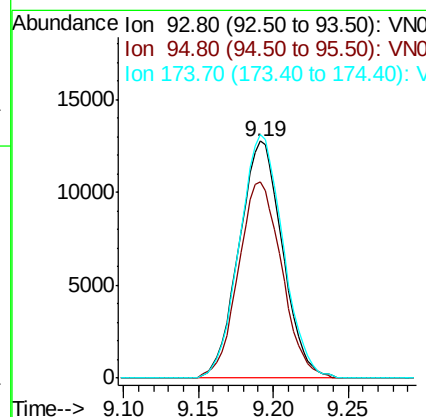
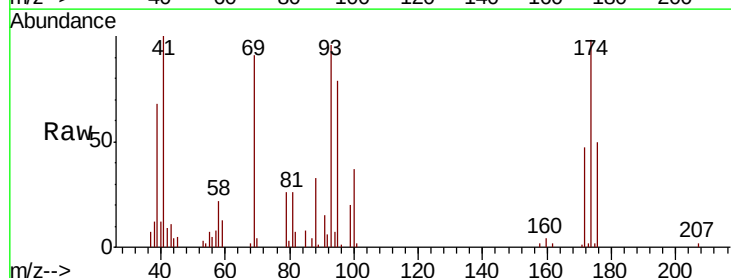
Manual Integrations
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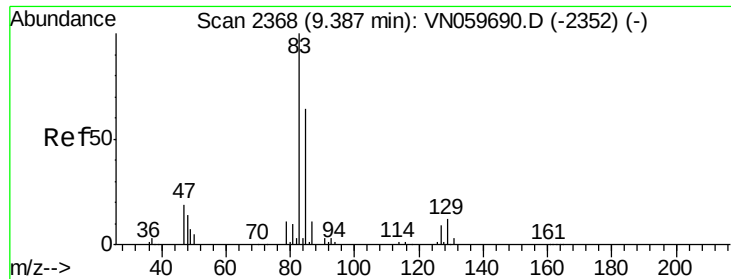
MMDadoda
 2/10/2020 9:32:41 AM



#46
 Dibromomethane
 Concen: 20.304 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.0	100.6
174	102.9	73.4	110.2





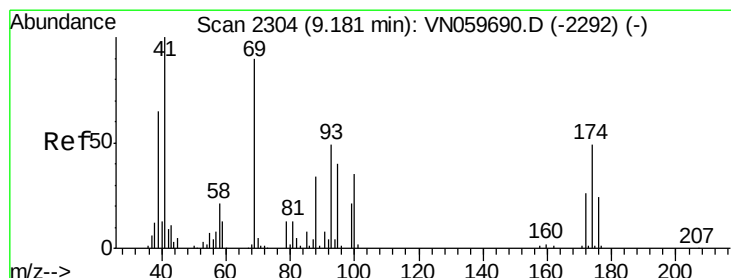
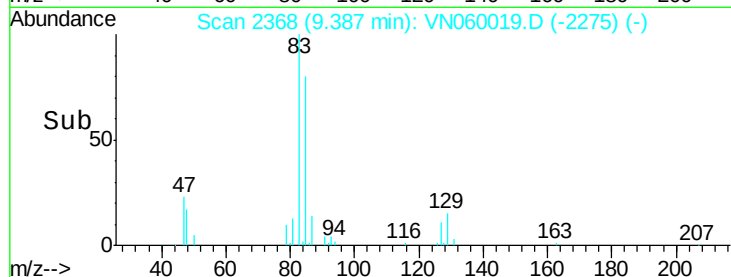
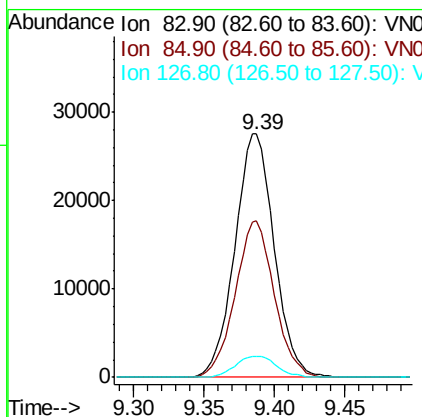
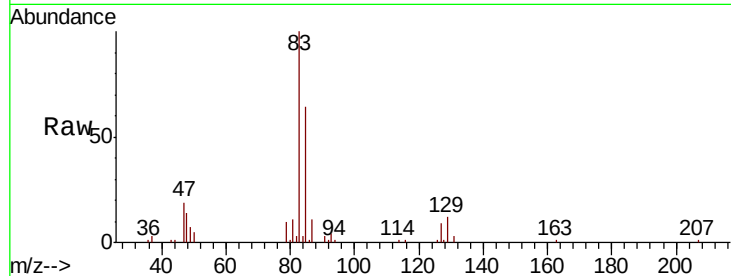
#47
Bromodichloromethane
Concen: 20.985 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	83	Resp	53809
Ion Ratio	100		
83	100		
85	64.3	51.1	76.7
127	8.7	6.6	9.8

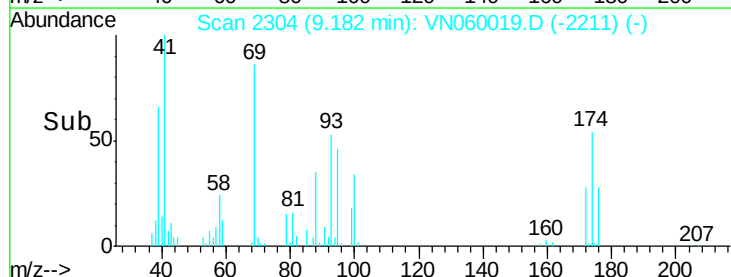
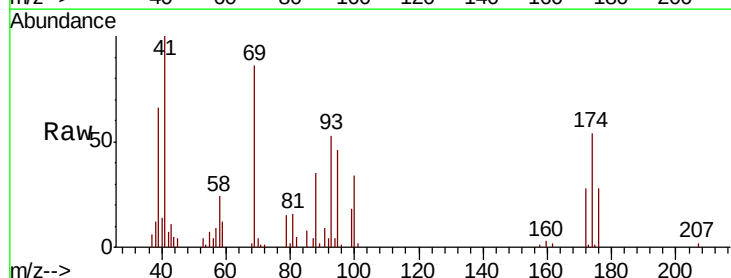
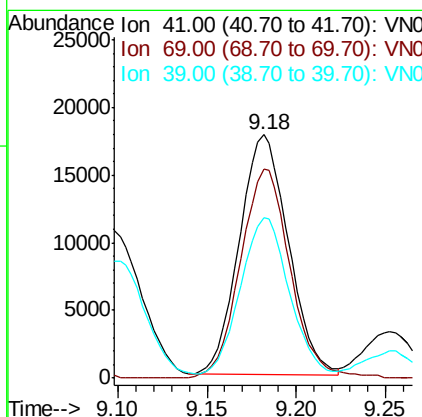
Manual Integrations
APPROVED

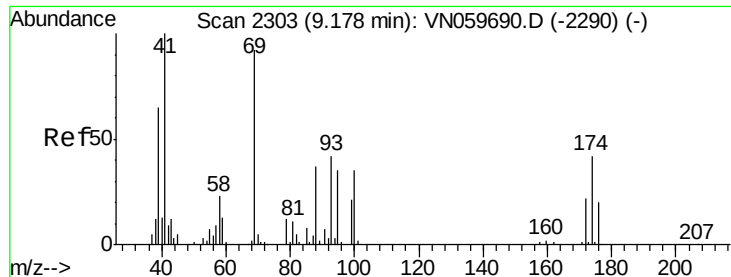
MMDadoda
2/10/2020 9:32:41 AM



#48
Methyl methacrylate
Concen: 19.327 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	41	Resp	34089
Ion Ratio	100		
41	100		
69	88.7	64.4	96.6
39	68.2	51.3	76.9





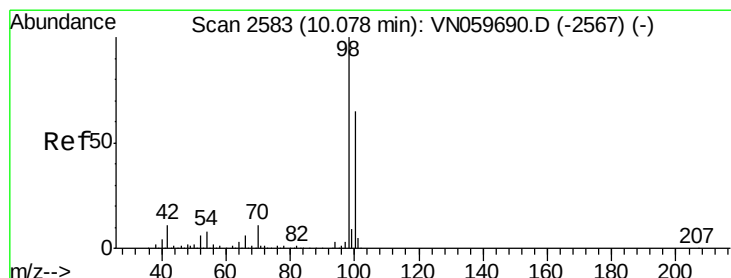
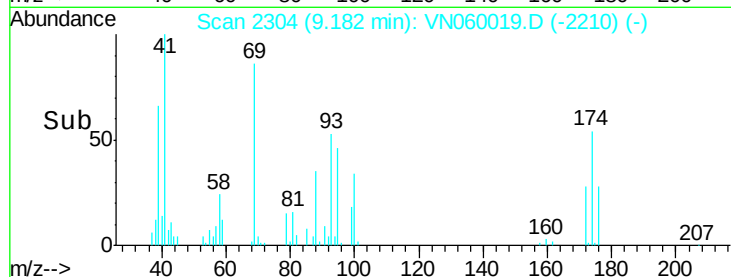
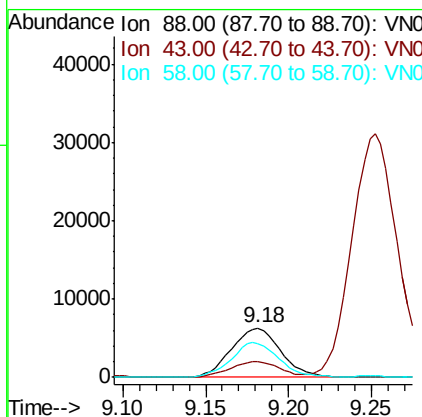
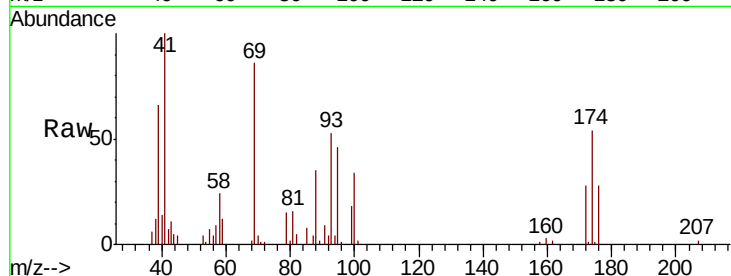
#49
1,4-Dioxane
Concen: 403.759 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	32.9	29.7	44.5	
58	68.5	56.6	85.0	

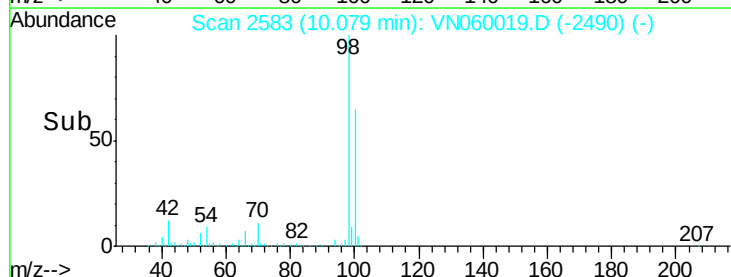
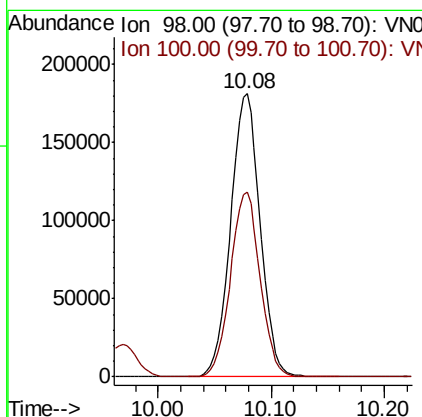
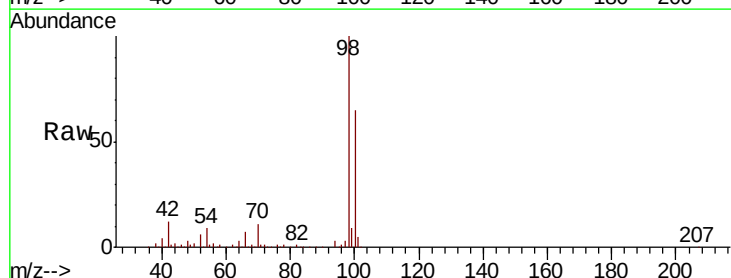
Manual Integrations
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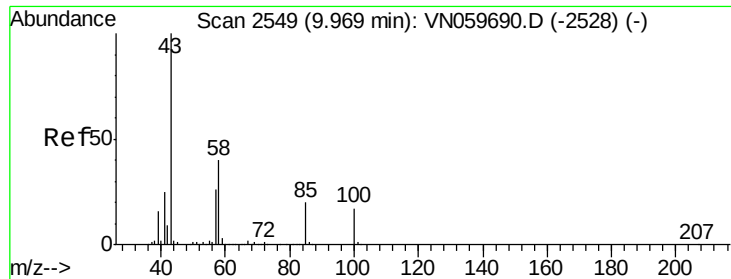
MMDadoda
2/10/2020 9:32:41 AM



#50
Toluene-d8
Concen: 50.740 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.4	51.2	76.8	





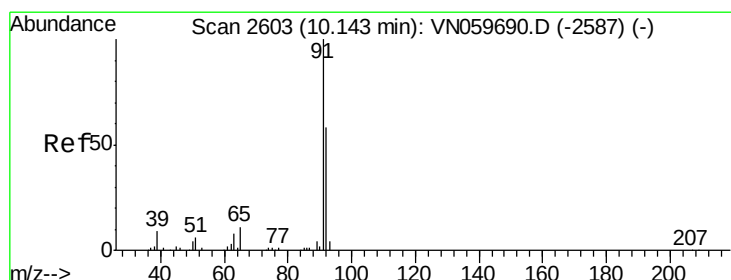
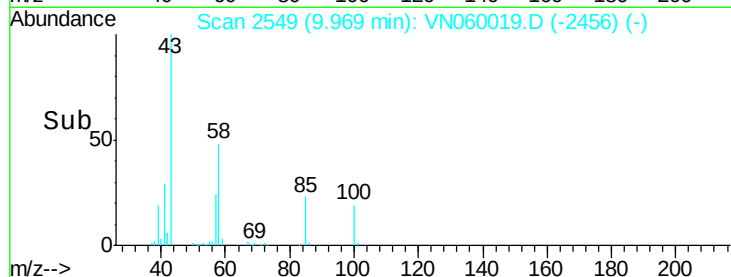
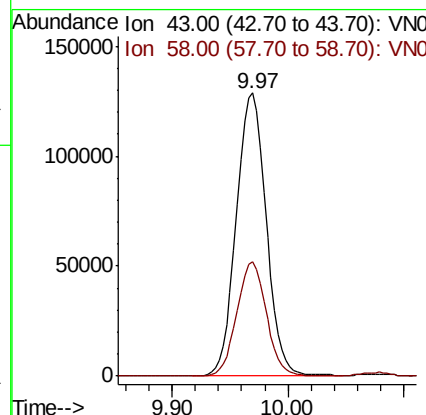
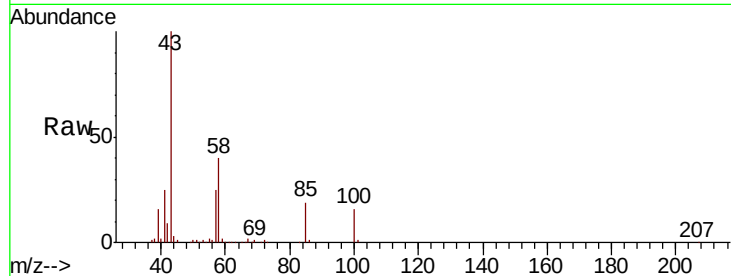
#51
 4-Methyl-2-Pentanone
 Concen: 101.286 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	29.8	44.8

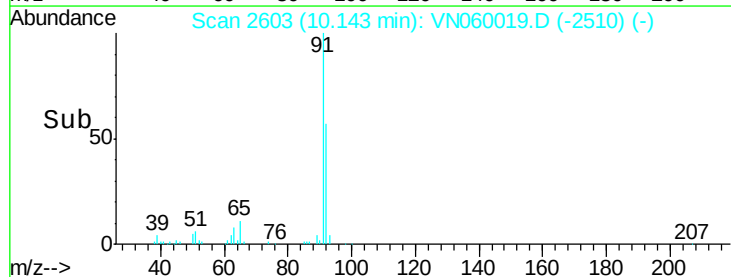
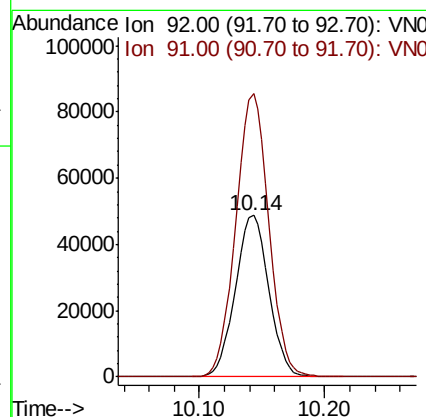
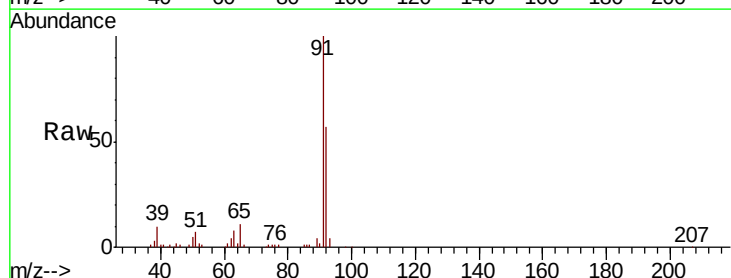
Manual Integrations
 APPROVED

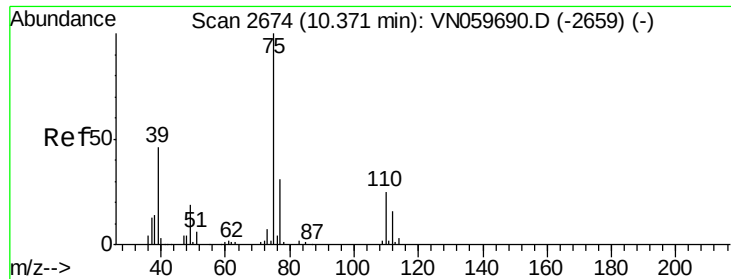
MMDadoda
 2/10/2020 9:32:41 AM



#52
 Toluene
 Concen: 19.645 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	140.4	210.6





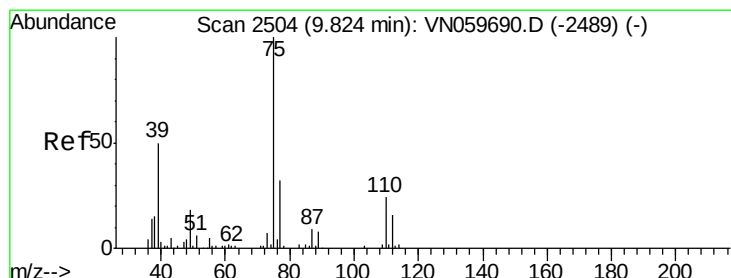
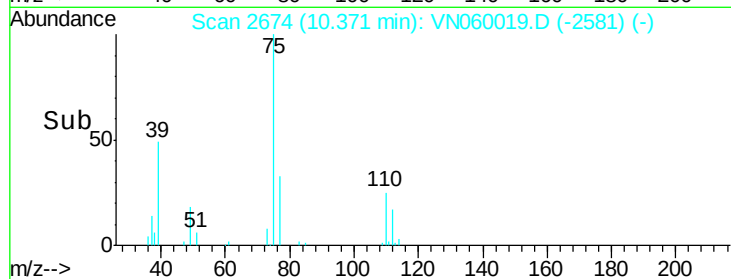
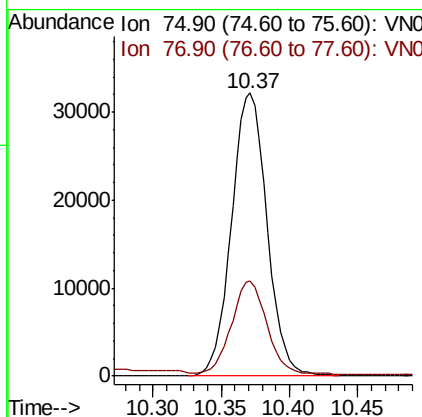
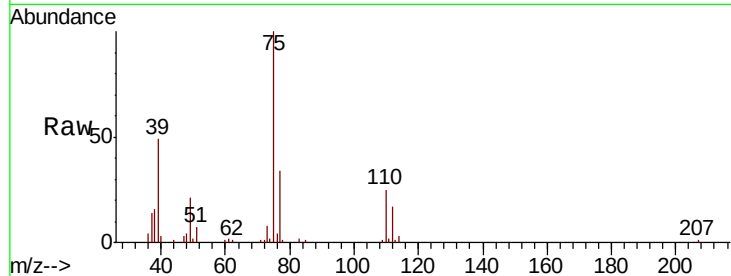
#53
t-1,3-Dichloropropene
Concen: 20.299 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampled :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.4	38.2

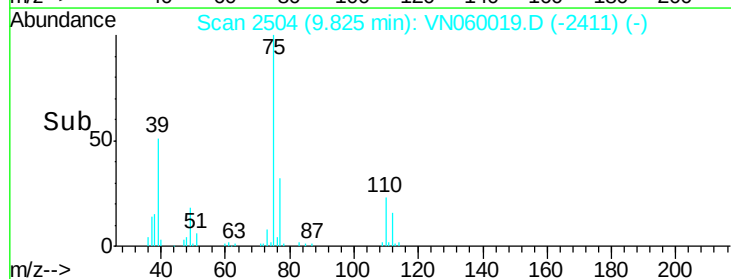
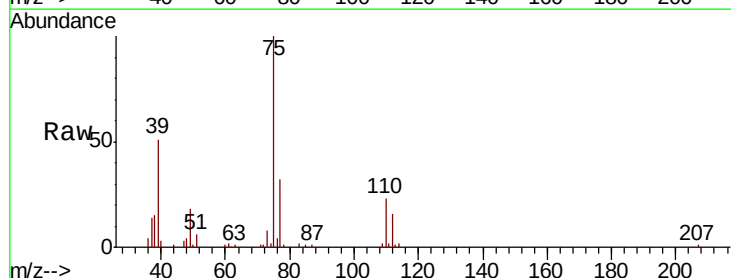
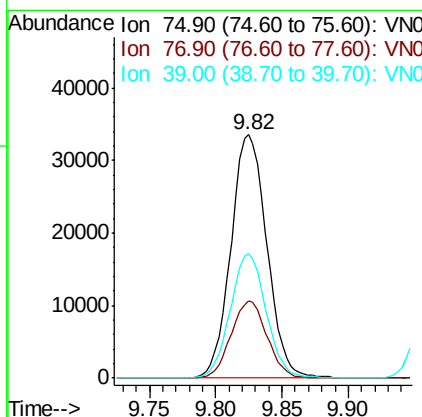
Manual Integrations
APPROVED

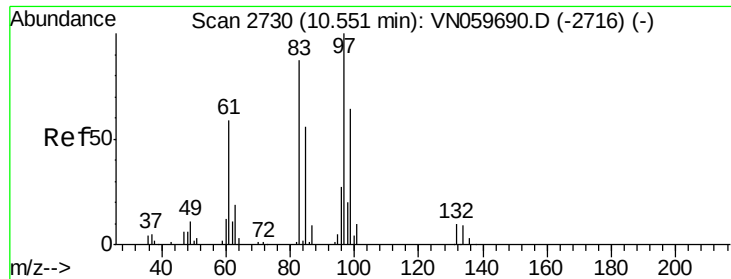
MMDadoda
2/10/2020 9:32:41 AM



#54
cis-1,3-Dichloropropene
Concen: 20.959 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	51.2	46.1	69.1





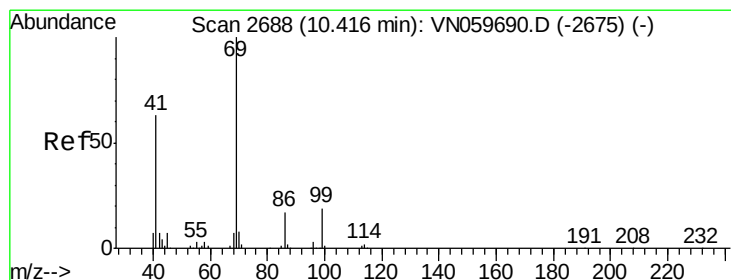
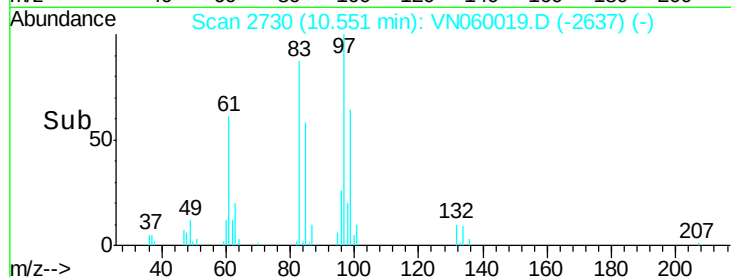
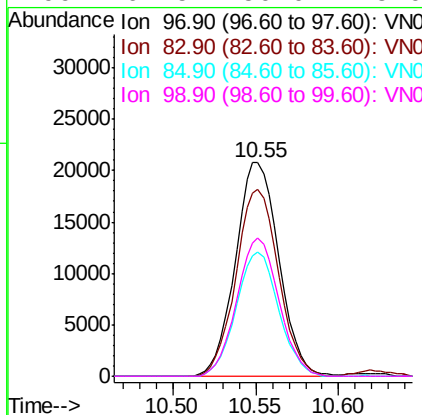
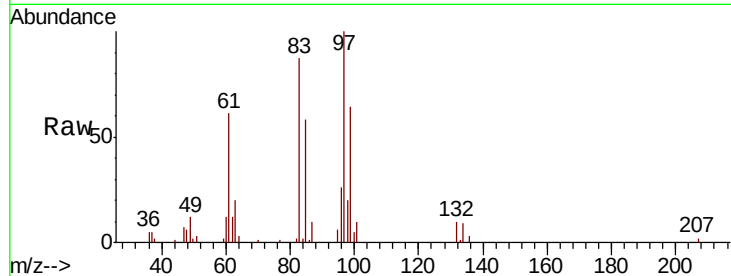
#55
 1,1,2-Trichloroethane
 Concen: 20.734 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion:	97	Resp:	37812
Ion	Ratio	Lower	Upper
97	100		
83	87.4	71.3	106.9
85	58.3	45.8	68.8
99	64.5	50.0	75.0

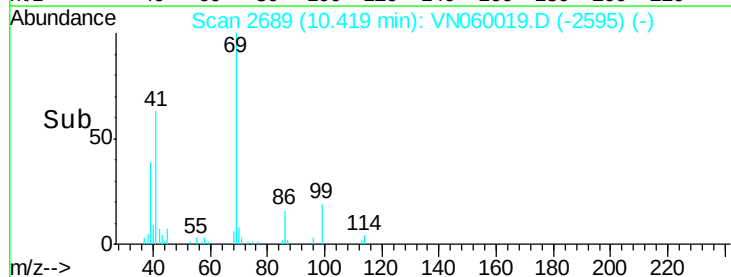
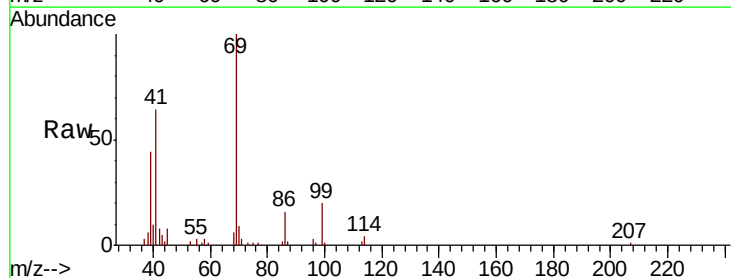
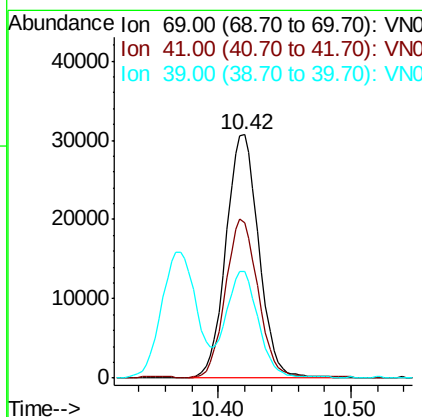
Manual Integrations
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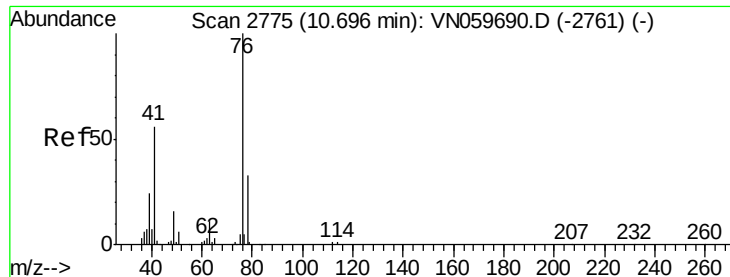
MMDadoda
 2/10/2020 9:32:41 AM



#56
 Ethyl methacrylate
 Concen: 18.963 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion:	69	Resp:	52841
Ion	Ratio	Lower	Upper
69	100		
41	65.4	57.1	85.7
39	42.9	34.7	52.1





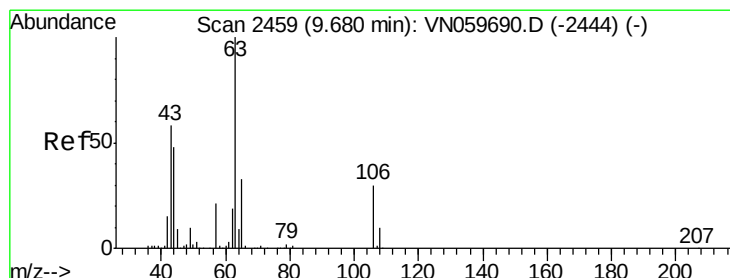
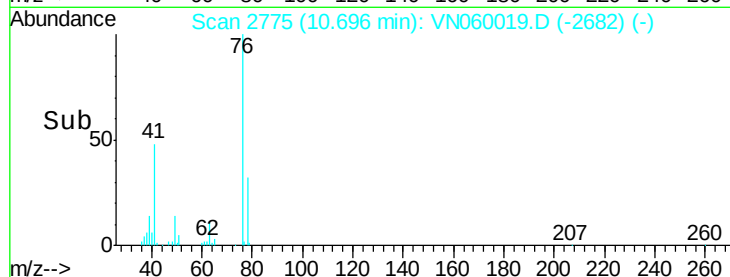
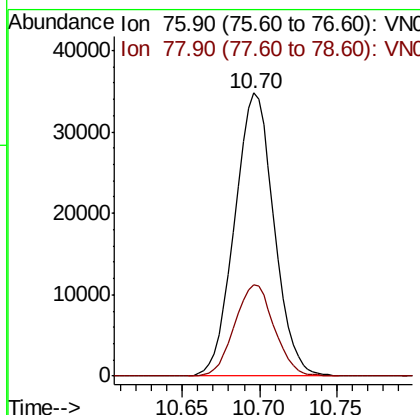
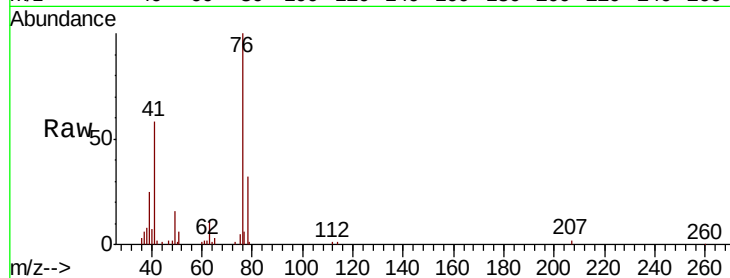
#57
 1,3-Dichloropropane
 Concen: 21.261 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

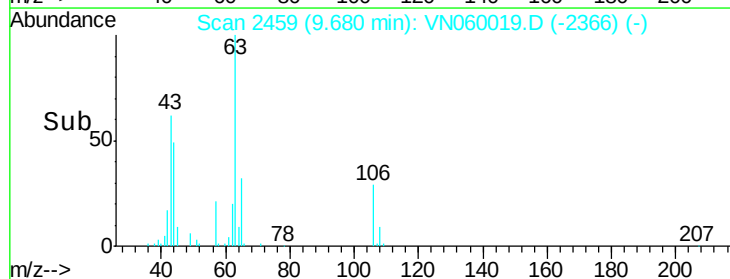
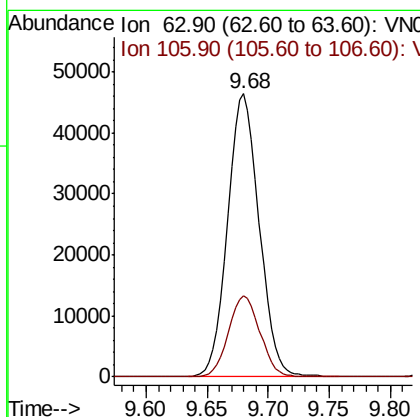
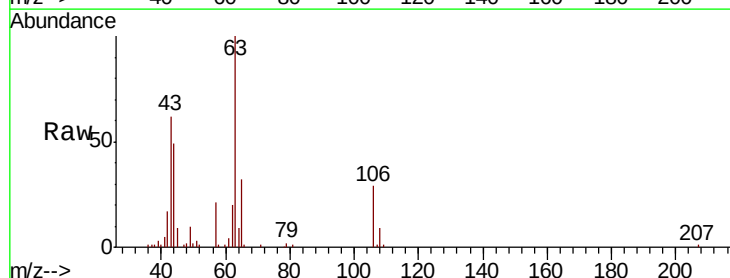
Manual Integrations
 APPROVED

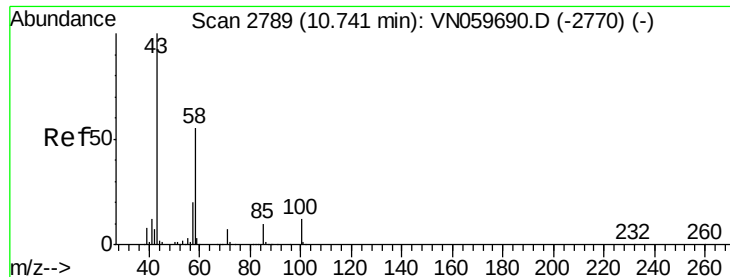
MMDadoda
 2/10/2020 9:32:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.176 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	20.2	30.2





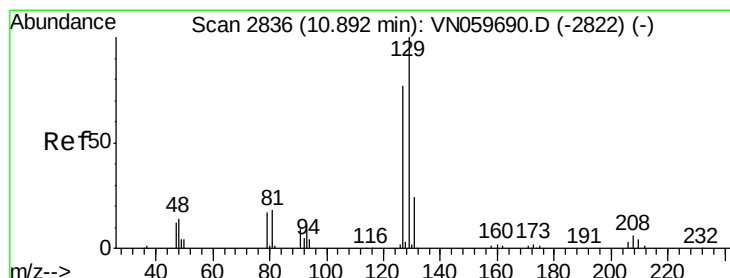
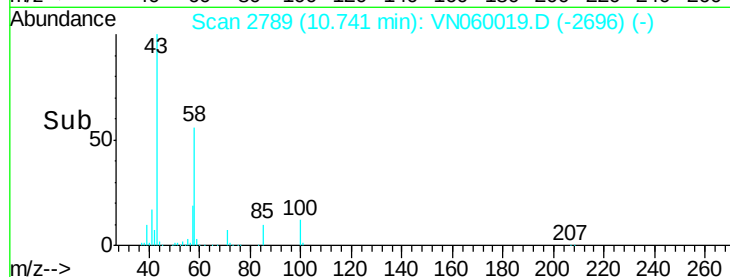
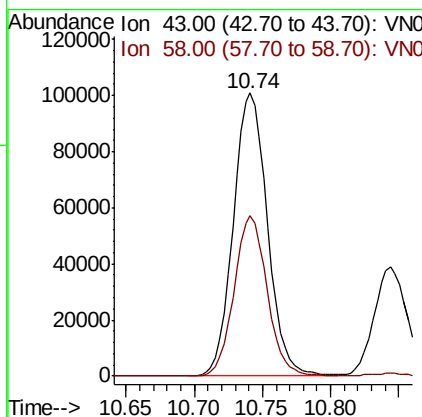
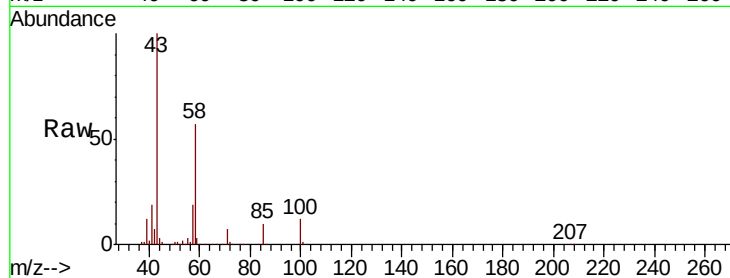
#59
2-Hexanone
Concen: 104.349 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	25.8	77.3

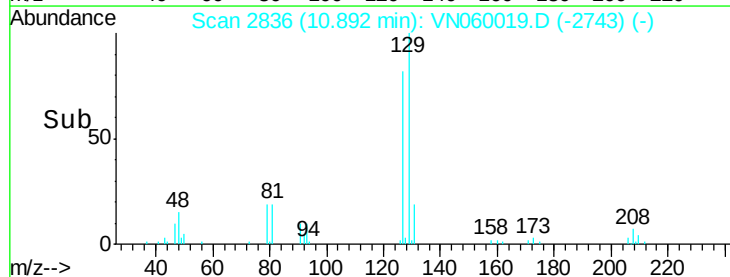
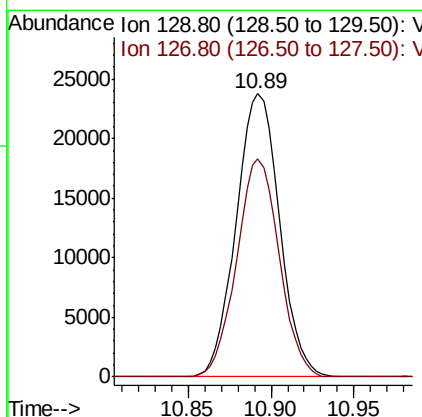
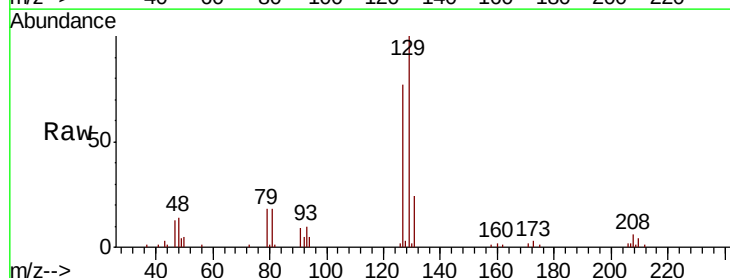
Manual Integrations
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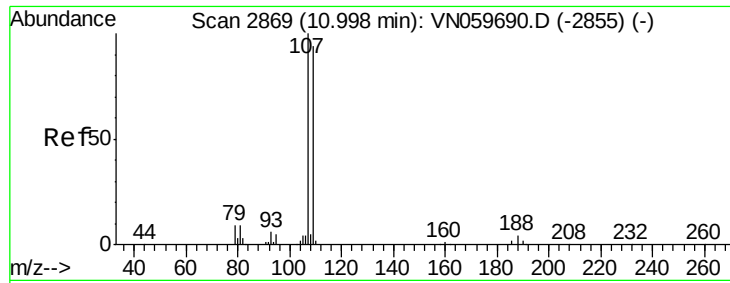
MMDadoda
2/10/2020 9:32:41 AM



#60
Dibromochloromethane
Concen: 20.833 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.4	38.5	115.5





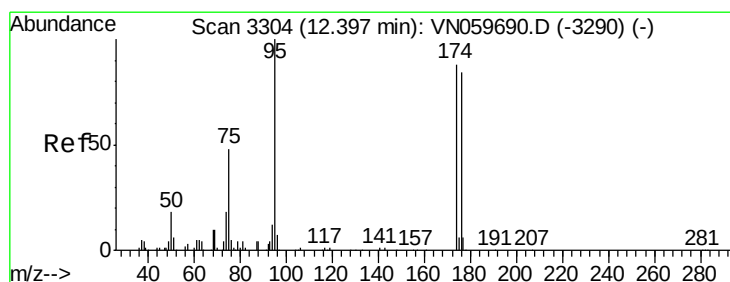
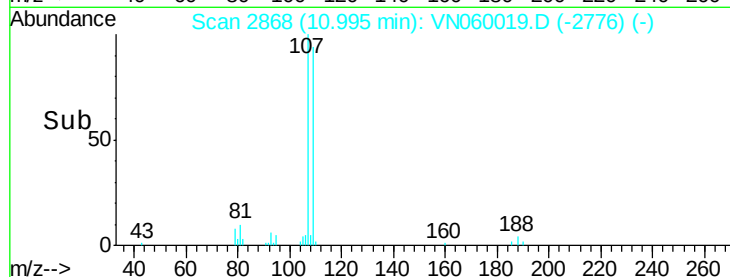
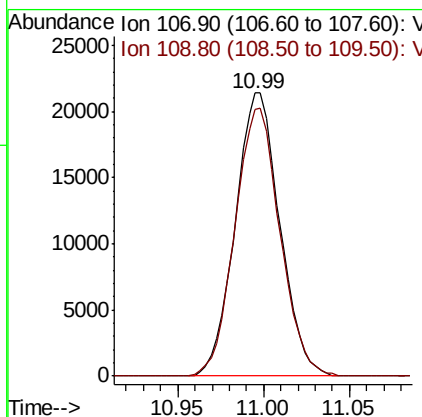
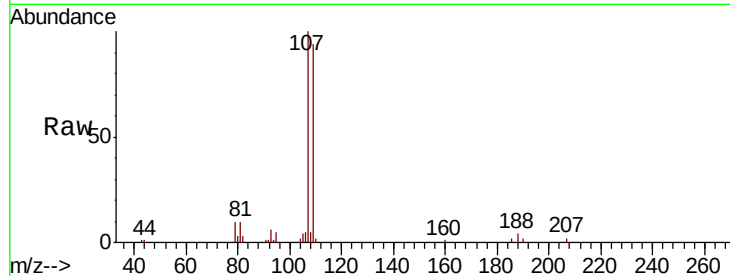
#61
 1,2-Dibromoethane
 Concen: 20.082 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	76.6	115.0

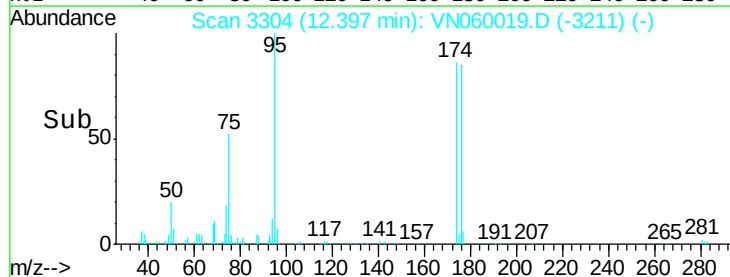
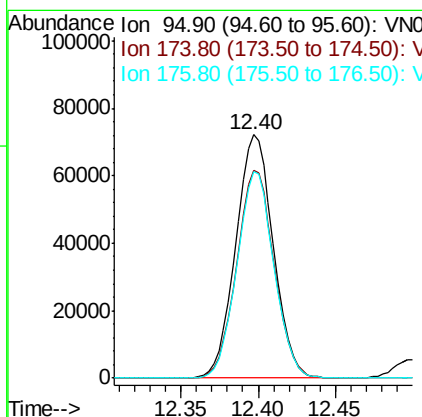
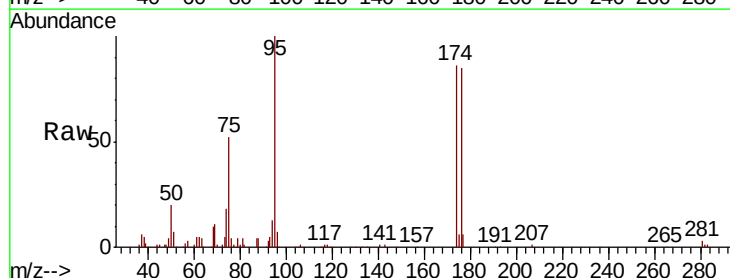
Manual Integrations
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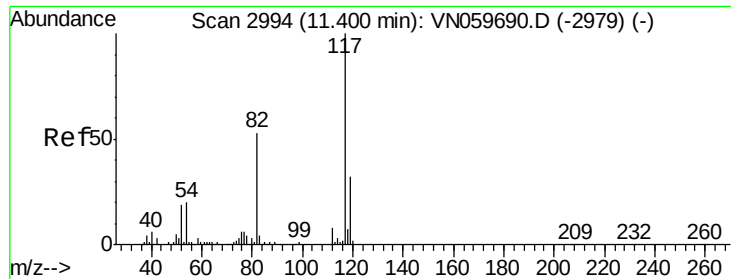
MMDadoda
 2/10/2020 9:32:41 AM



#62
 4-Bromofluorobenzene
 Concen: 51.897 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	151.4
176	83.9	0.0	146.0





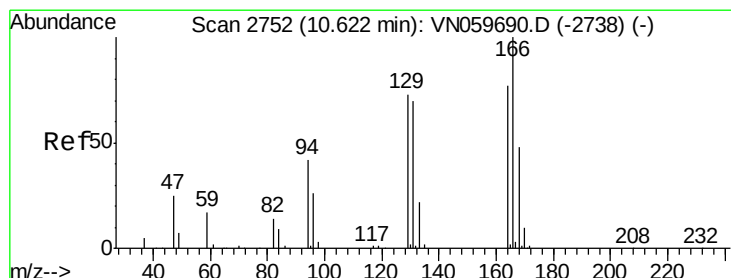
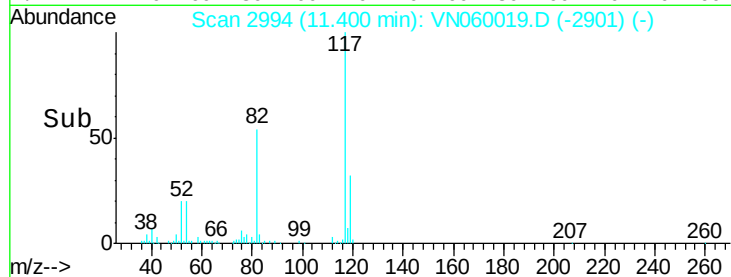
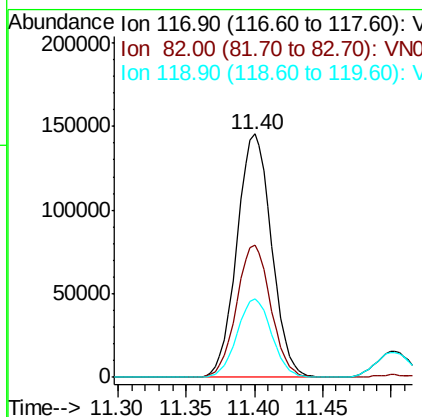
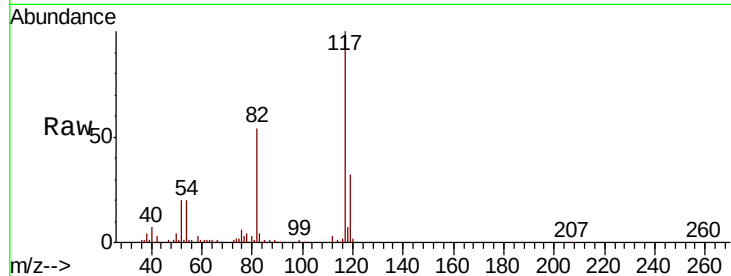
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256609		
82	54.2		45.9	68.9
119	32.3		25.5	38.3

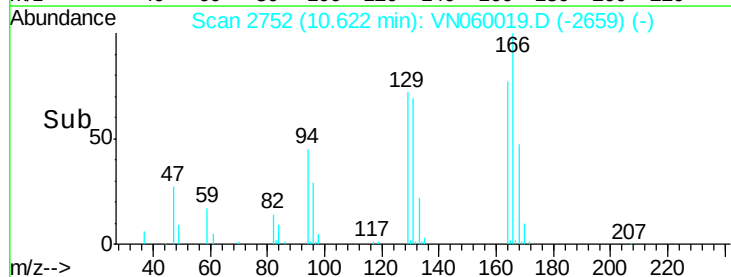
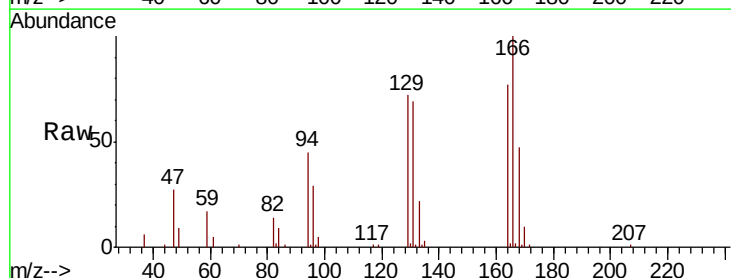
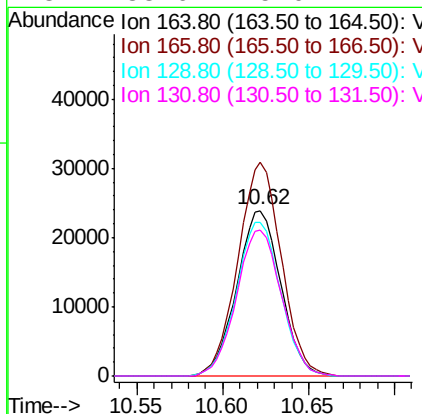
Manual Integrations
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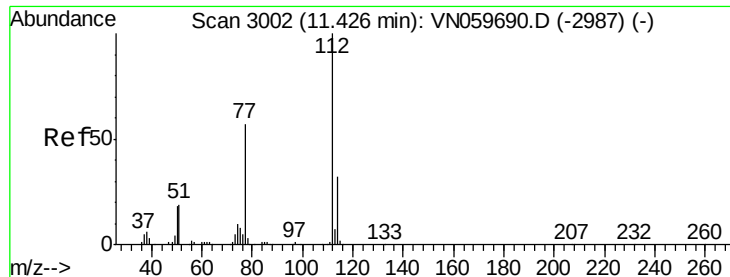
MMDadoda
2/10/2020 9:32:41 AM



#64
Tetrachloroethene
Concen: 20.222 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42293		
166	129.3		101.4	152.0
129	93.1		80.2	120.4
131	88.6		75.0	112.4





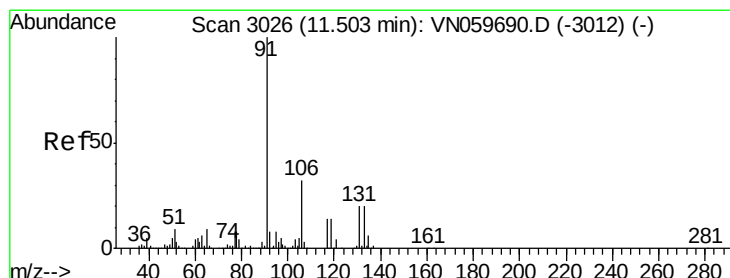
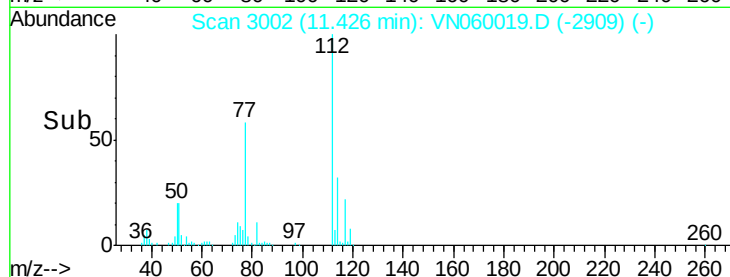
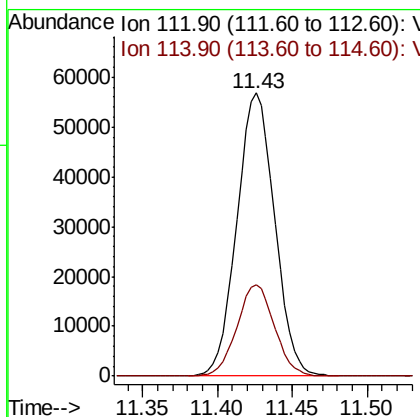
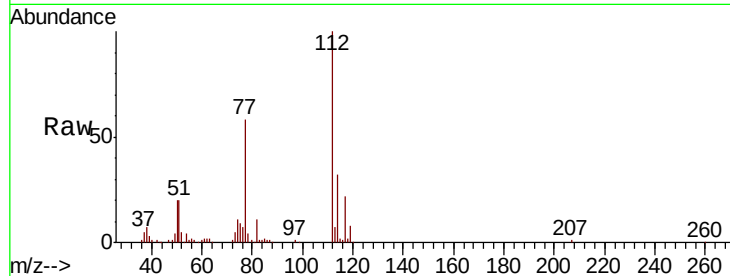
#65
Chlorobenzene
Concen: 19.785 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.8

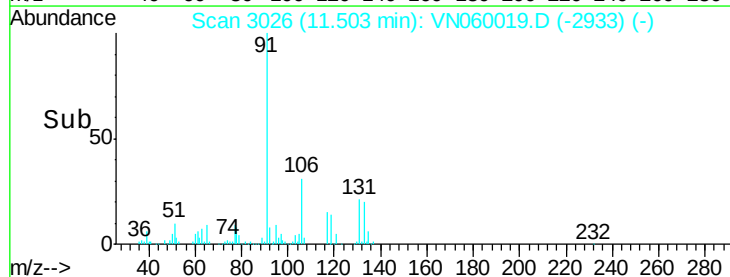
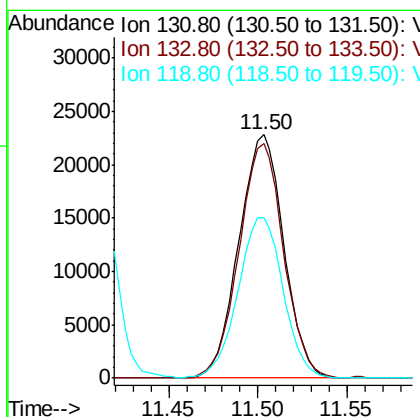
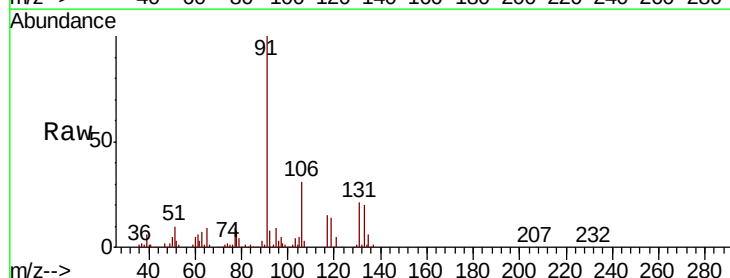
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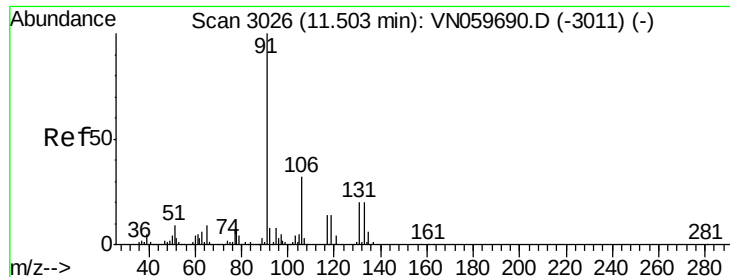
MMDadoda
2/10/2020 9:32:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.503 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.4	142.2
119	66.6	33.1	99.3





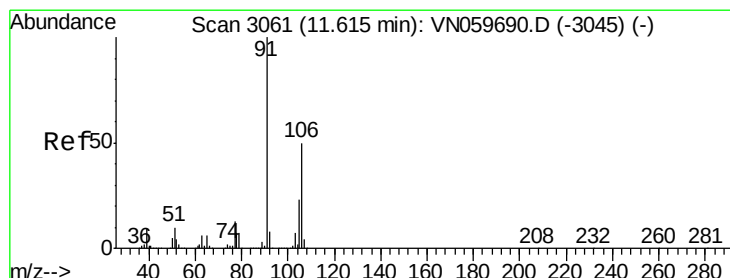
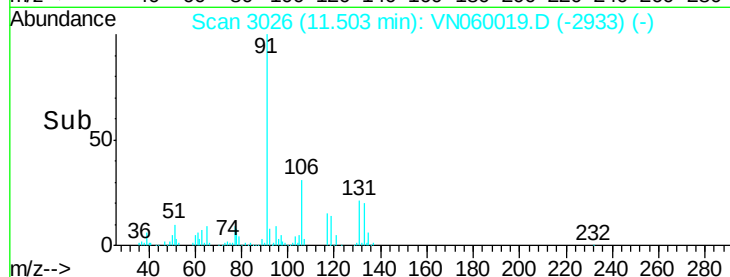
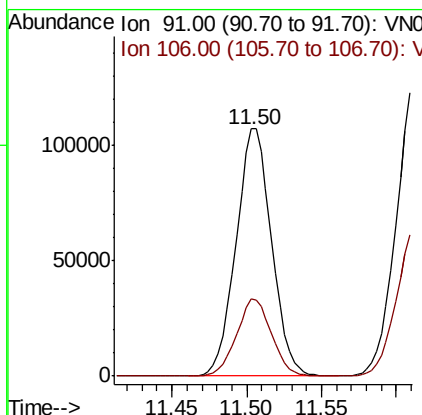
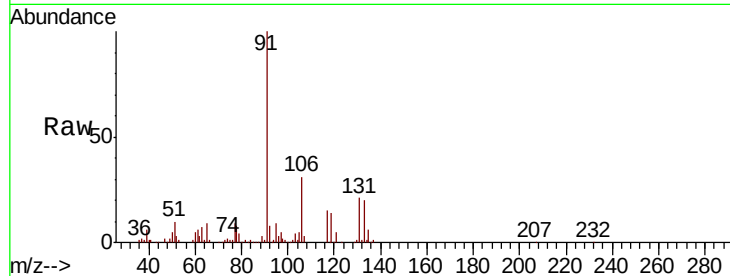
#67
Ethyl Benzene
Concen: 19.394 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion: 91 Resp: 177570
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1

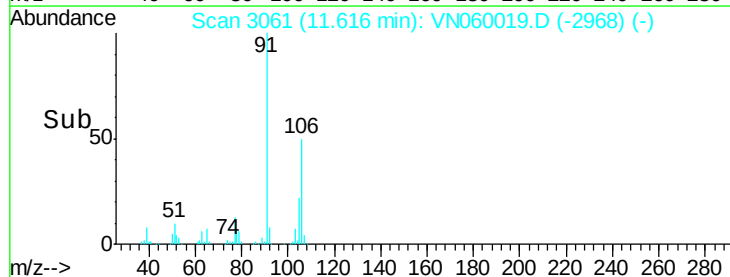
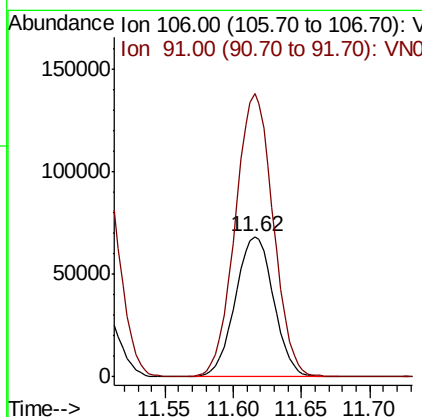
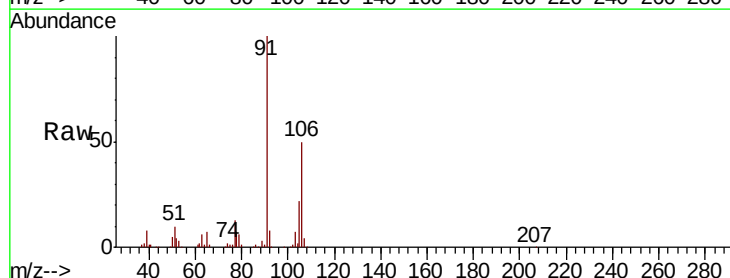
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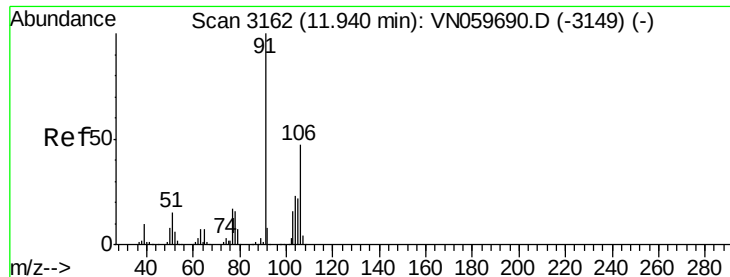
MMDadoda
2/10/2020 9:32:41 AM



#68
m/p-Xylenes
Concen: 38.557 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion: 106 Resp: 133354
Ion Ratio Lower Upper
106 100
91 199.3 167.9 251.9





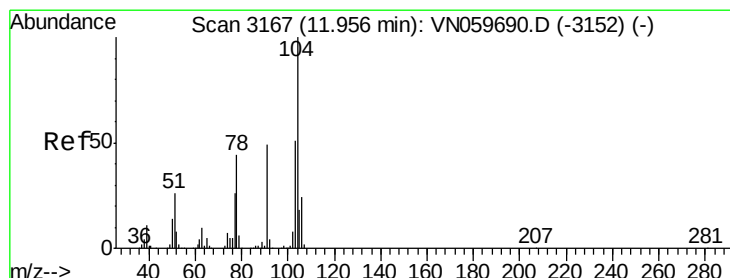
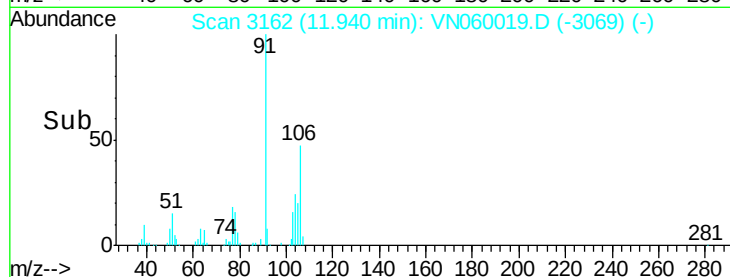
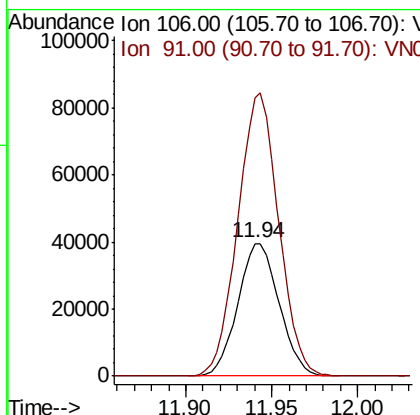
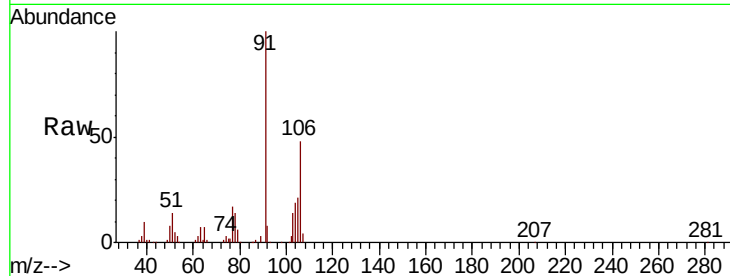
#69
o-Xylene
Concen: 19.445 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion:106 Resp: 65842
Ion Ratio Lower Upper
106 100
91 211.5 110.3 330.9

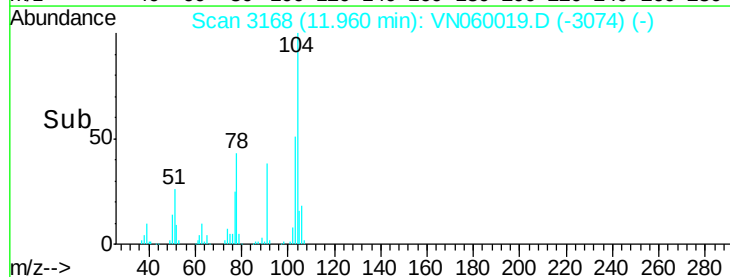
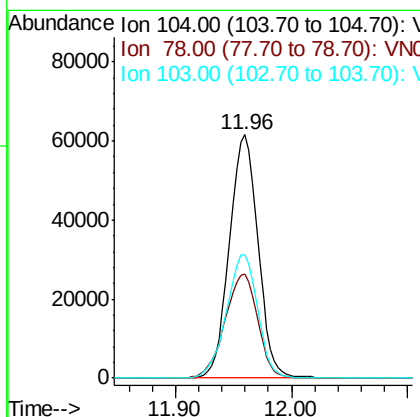
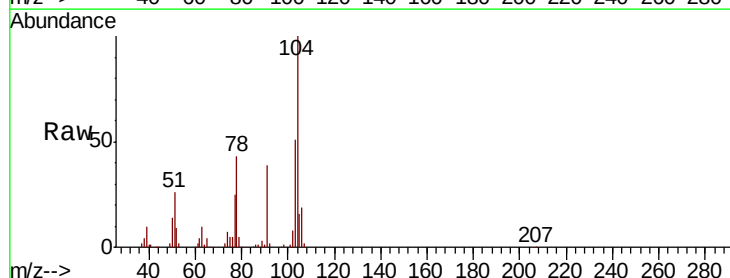
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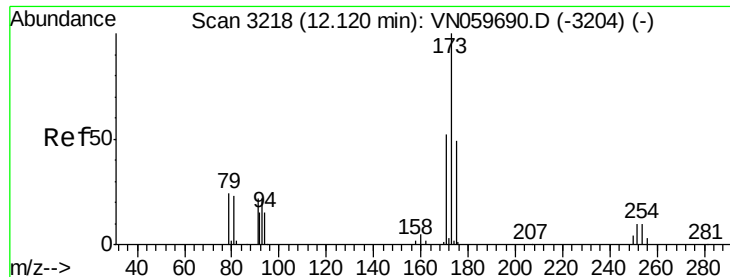
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#70
Styrene
Concen: 18.519 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion:104 Resp: 104929
Ion Ratio Lower Upper
104 100
78 49.0 42.4 63.6
103 55.3 43.9 65.9





#71

Bromoform

Concen: 20.288 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBS01

Tot Ion:173 Resp: 31671

Ion Ratio Lower Upper

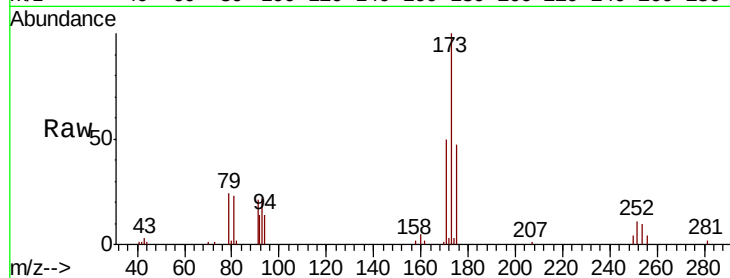
173 100

175 46.8 23.8 71.4

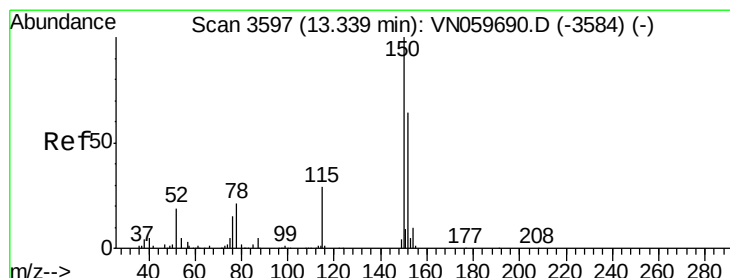
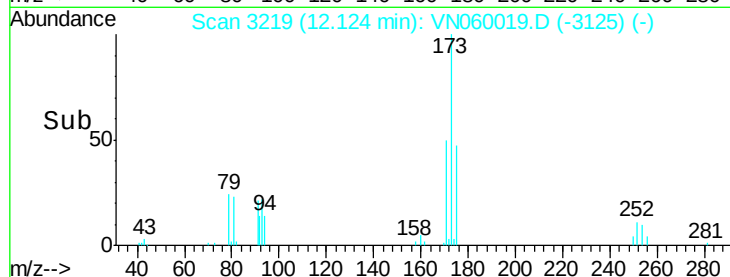
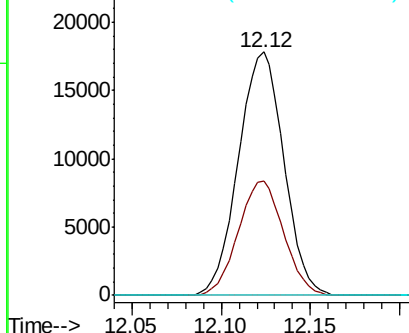
254 0.0 0.0 0.0

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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# 3598

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

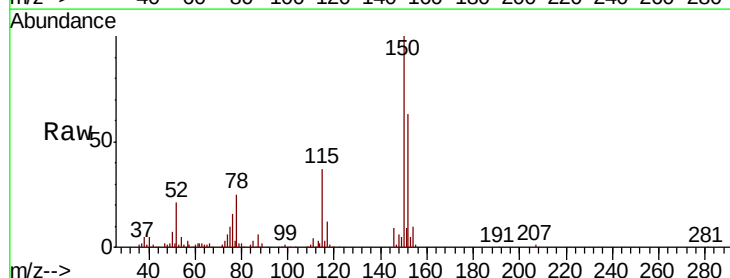
Tgt Ion:152 Resp: 121333

Ion Ratio Lower Upper

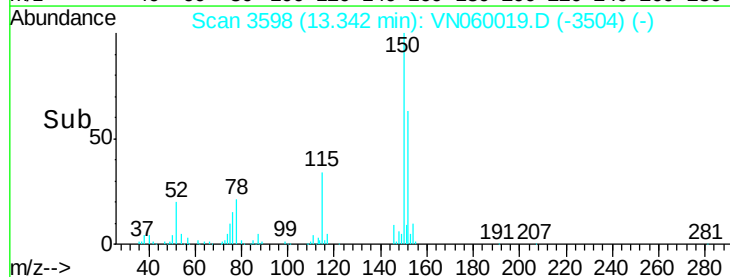
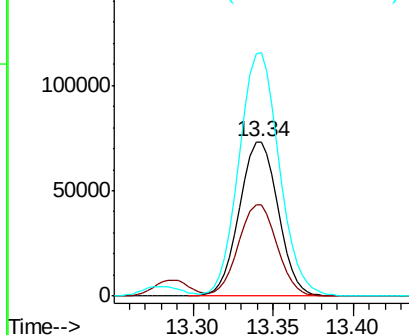
152 100

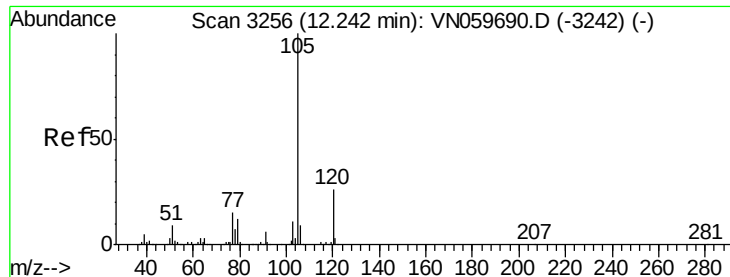
115 59.0 30.3 90.9

150 163.9 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: 20.046 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBS01

Tot Ion: 105 Resp: 178382

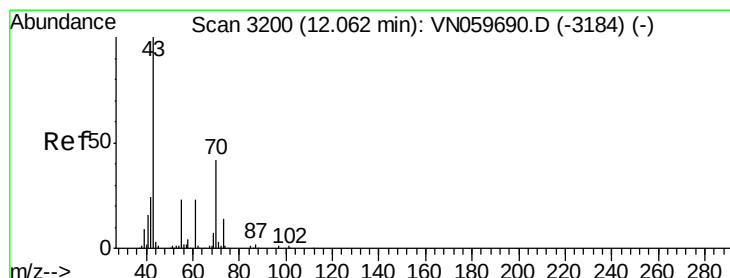
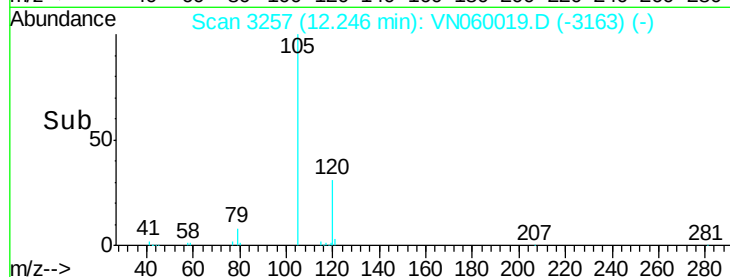
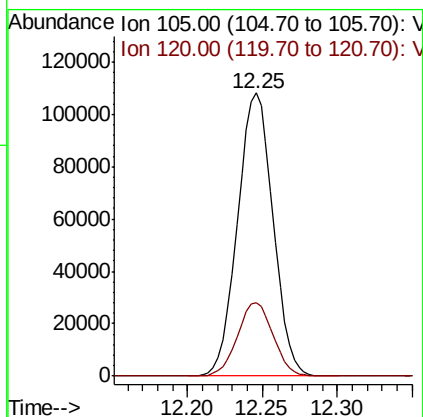
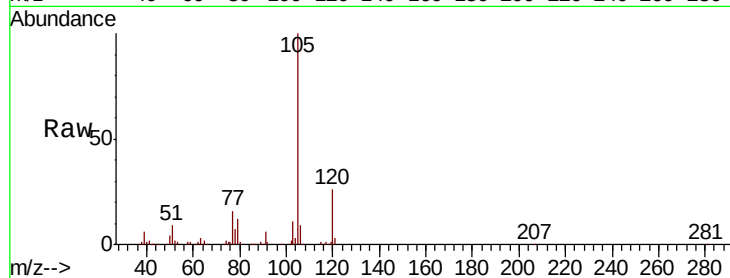
Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.5

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#74

N-ethyl acetate

Concen: 18.730 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion: 43 Resp: 64672

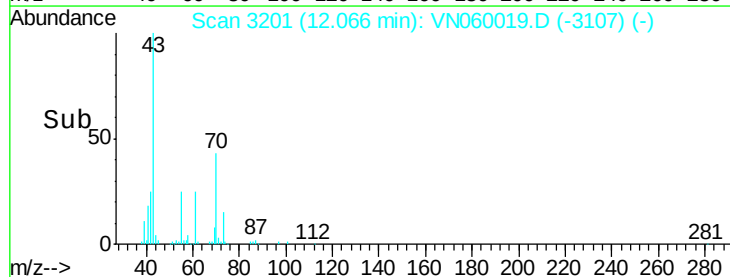
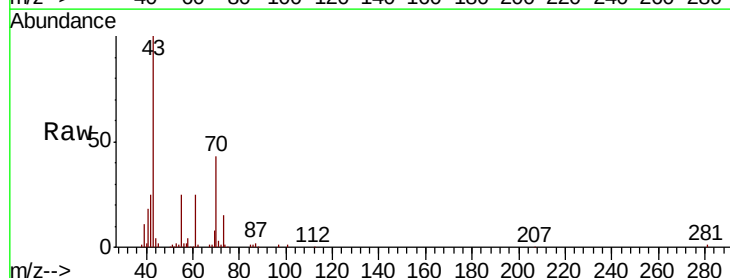
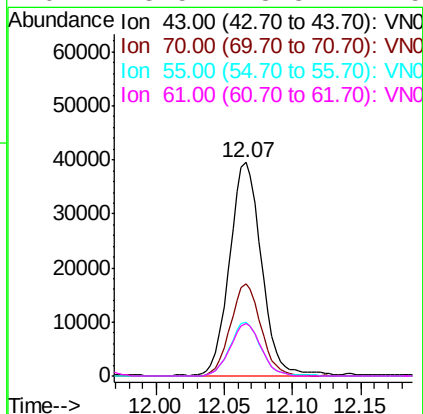
Ion Ratio Lower Upper

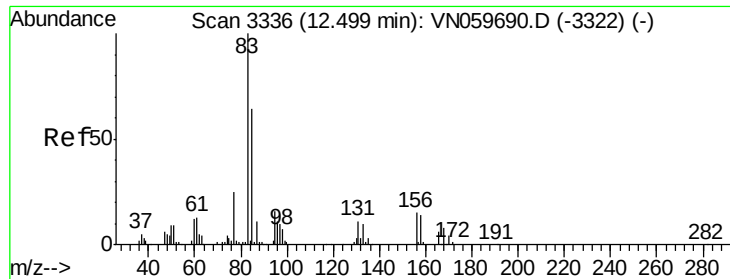
43 100

70 41.0 31.3 46.9

55 24.4 19.8 29.6

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.467 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

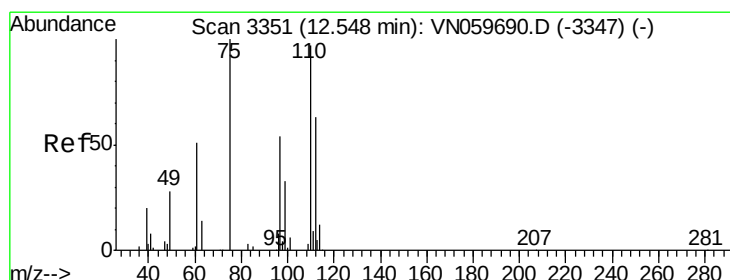
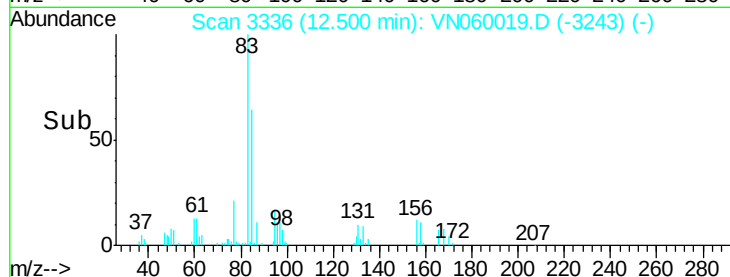
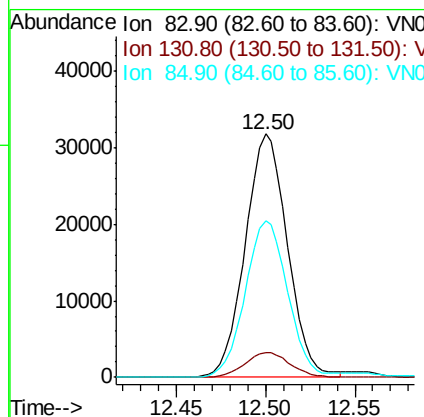
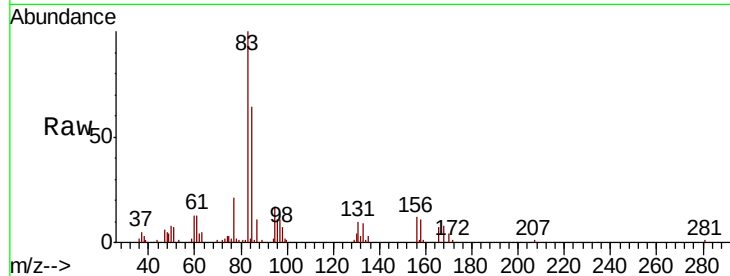
ClientSampleId :

VN0207WBS01

Tot Ion:	83	Resp:	52799
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.0	14.9
85	64.7	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.457 ug/l m

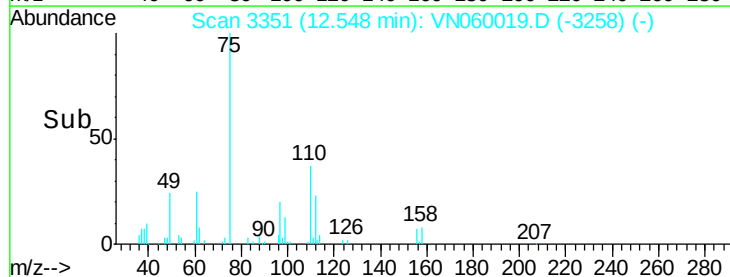
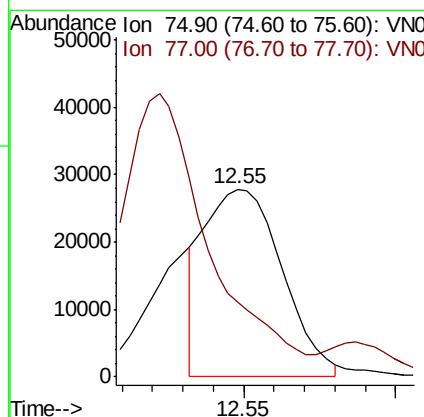
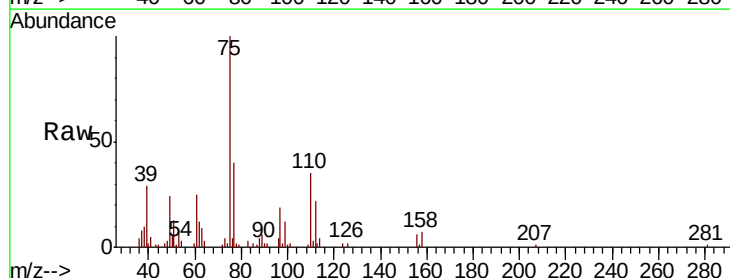
RT: 12.55 min Scan# 3351

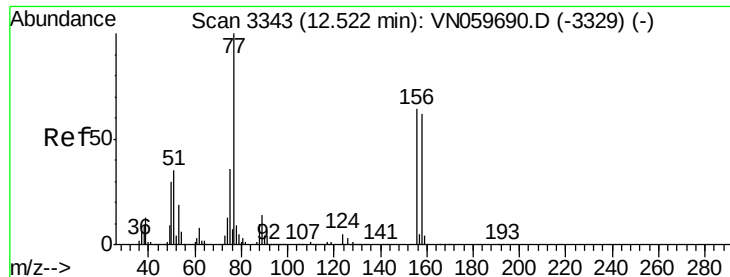
Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion:	75	Resp:	49939
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.821 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

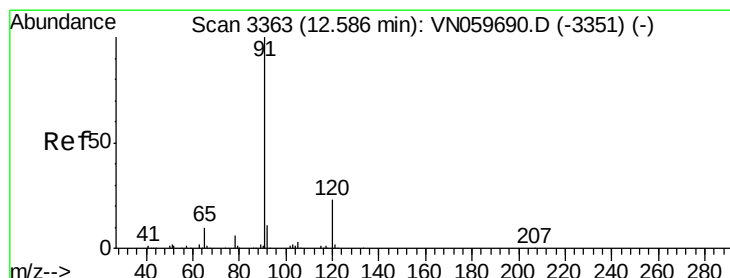
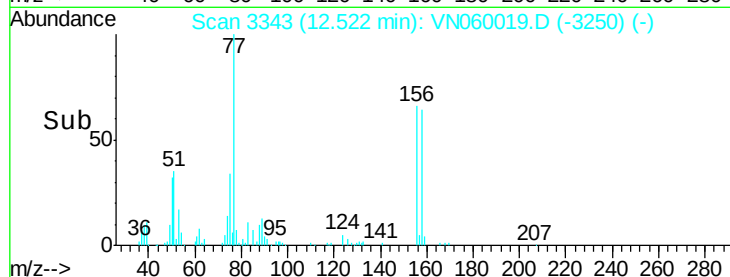
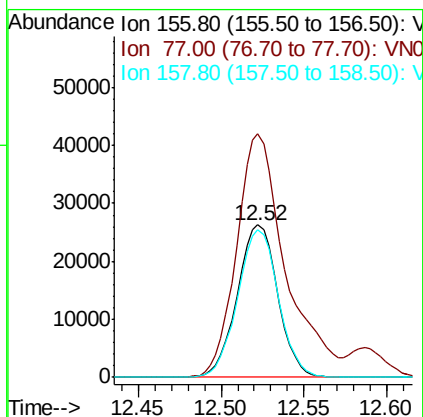
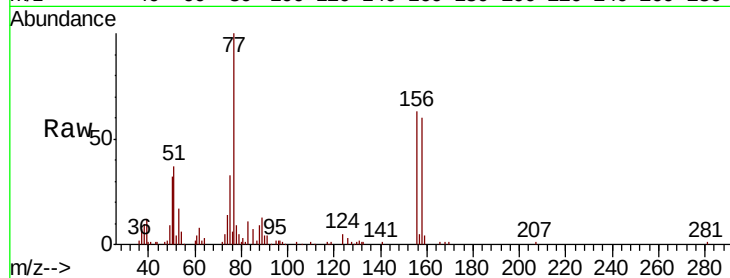
ClientSampleId :

VN0207WBS01

Tot Ion:	156	Resp:	44665
Ion	Ratio	Lower	Upper
156	100		
77	193.7	115.8	347.4
158	97.1	49.2	147.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.689 ug/l

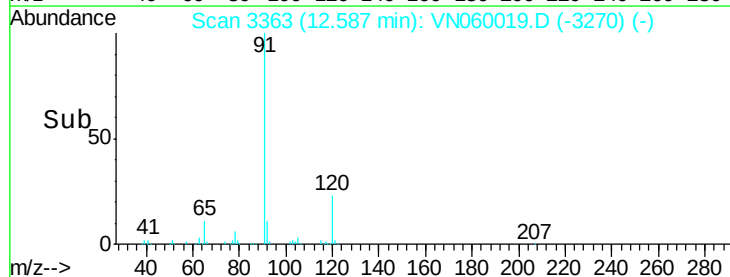
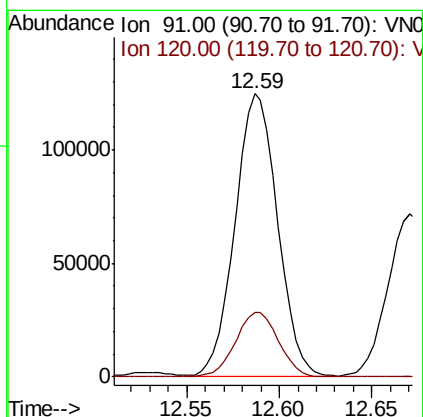
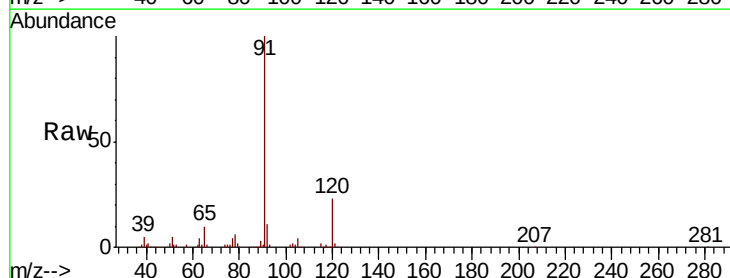
RT: 12.59 min Scan# 3363

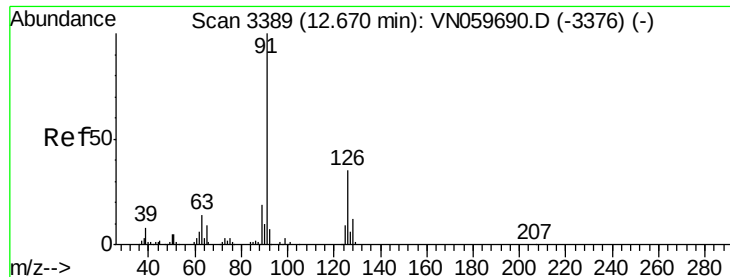
Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion:	91	Resp:	196644
Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 19.906 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

ClientSampleId :

VN0207WBS01

Tot Ion: 91 Resp: 118275

Ion Ratio Lower Upper

91 100

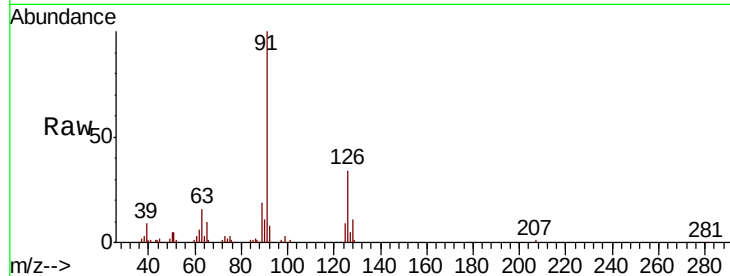
126 34.5 16.3 48.9

Manual Integrations

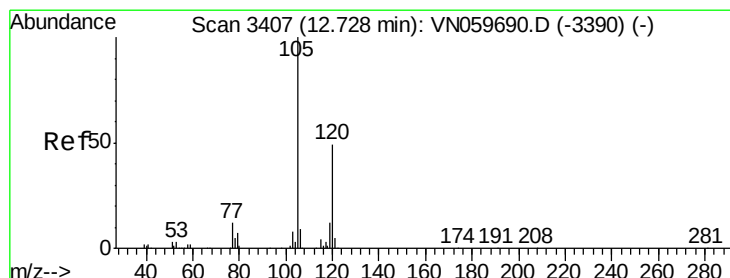
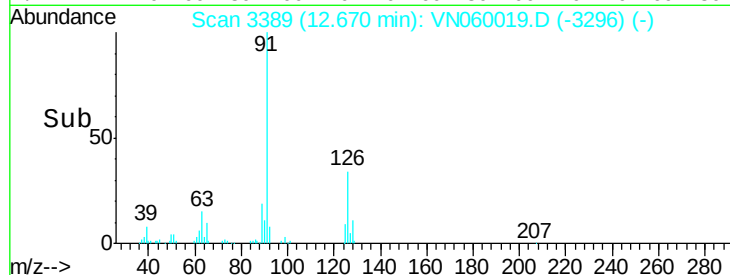
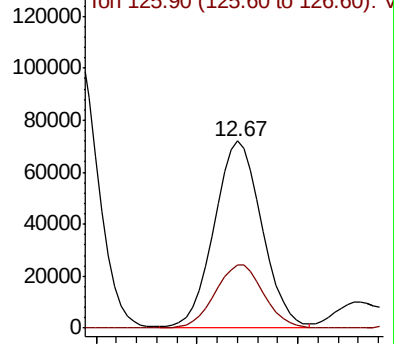
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Abundance Ion 91.00 (90.70 to 91.70): VN060019.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.906 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060019.D

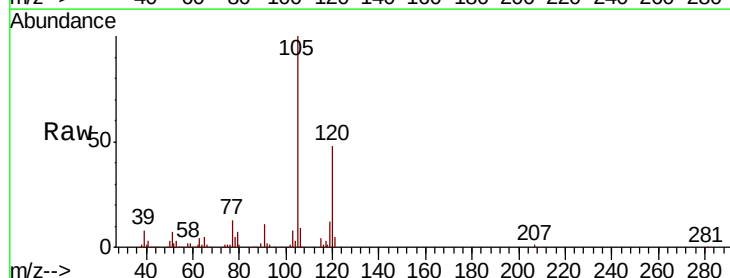
Acq: 7 Feb 2020 10:15

Tgt Ion: 105 Resp: 148966

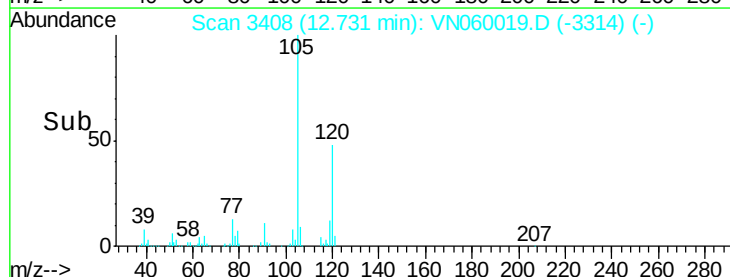
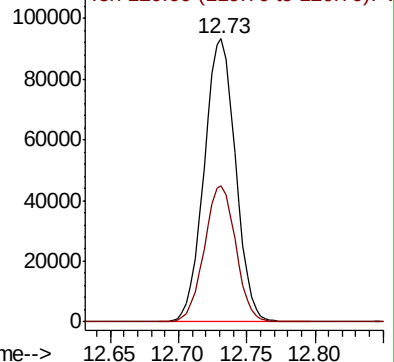
Ion Ratio Lower Upper

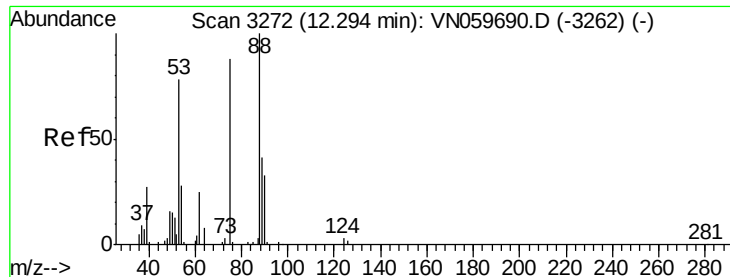
105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060019.D (-3314) (-)





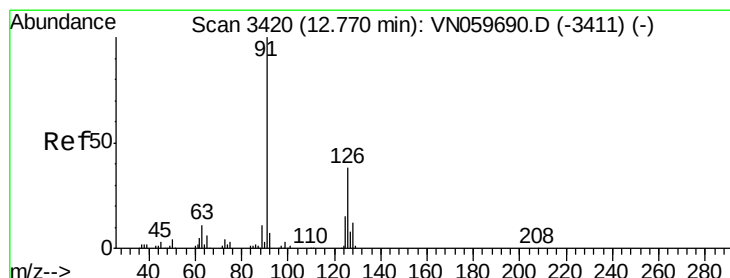
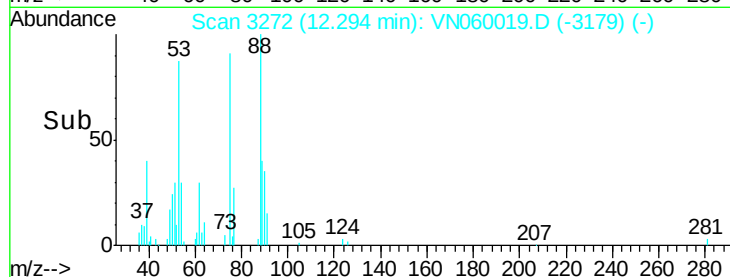
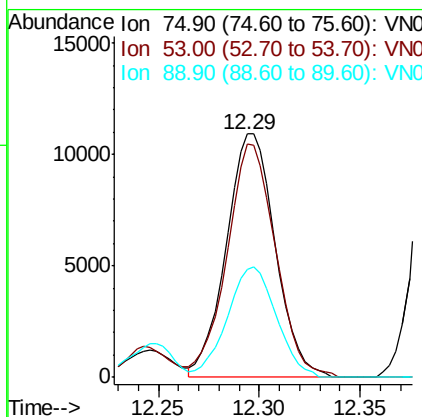
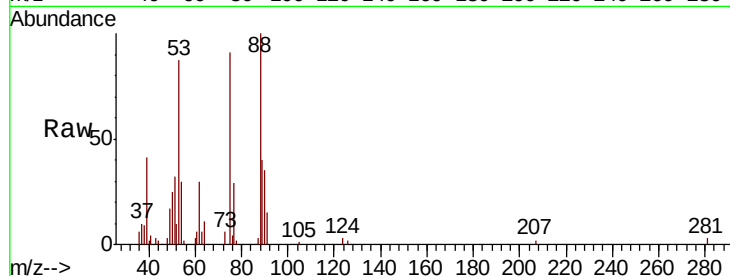
#81
trans-1,4-Dichloro-2-butene
Concen: 19.570 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	78.1	117.1
89	45.3	35.4	53.2

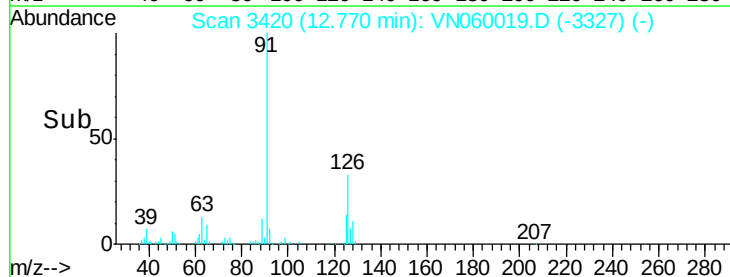
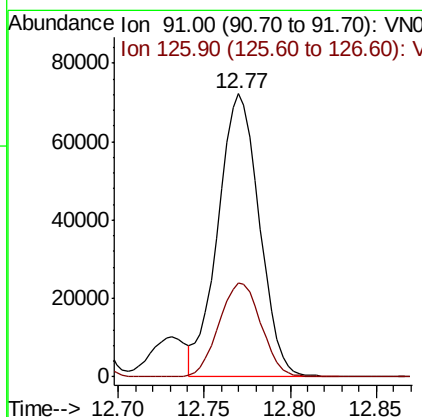
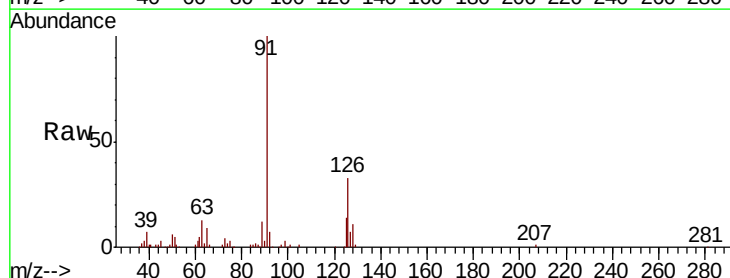
Manual Integrations
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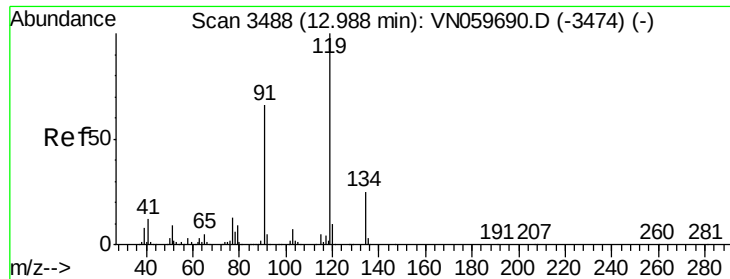
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.194 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.3	48.8





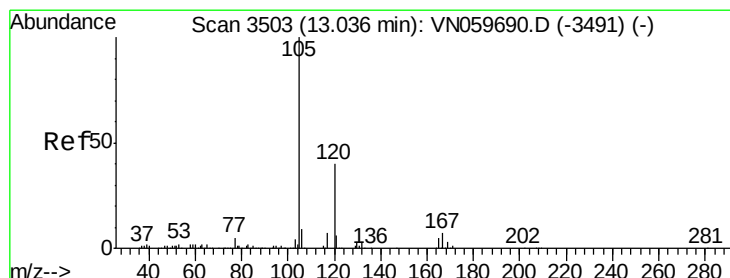
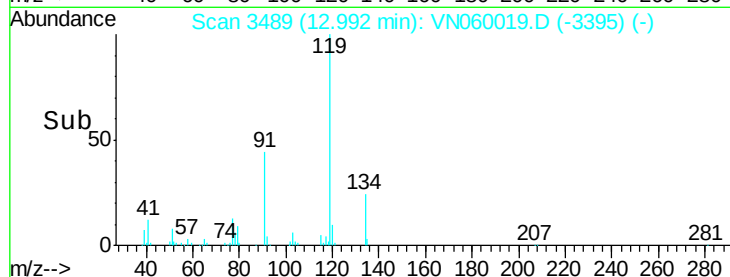
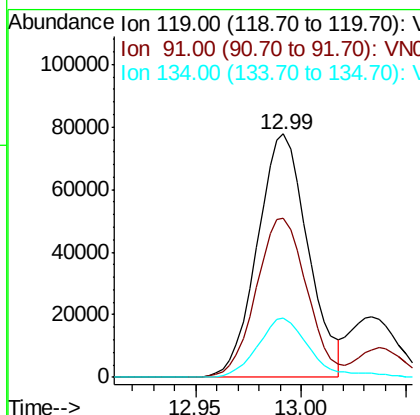
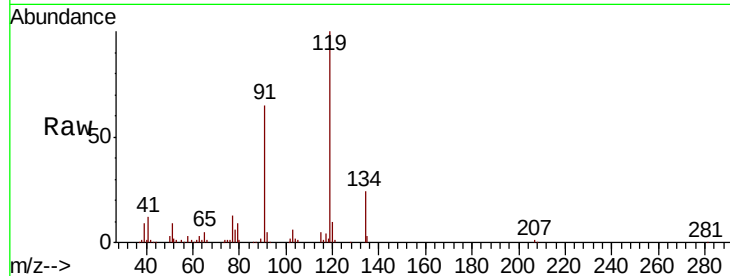
#83
 tert-Butylbenzene
 Concen: 20.057 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129817		
91	65.8	34.8	104.4	
134	25.0	12.3	36.9	

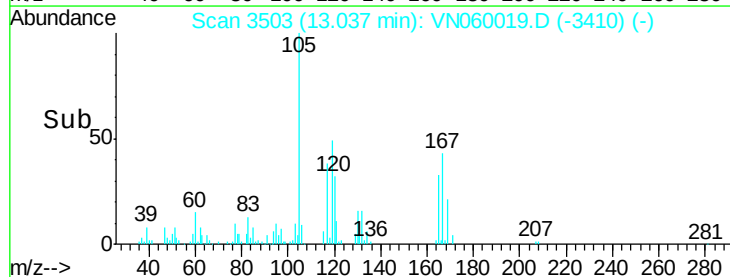
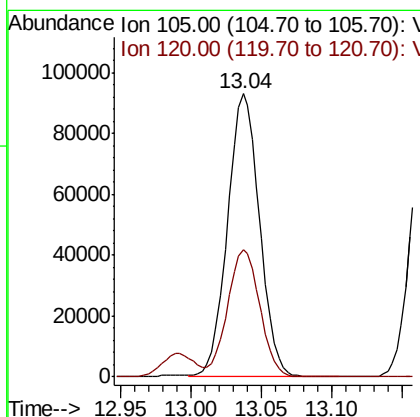
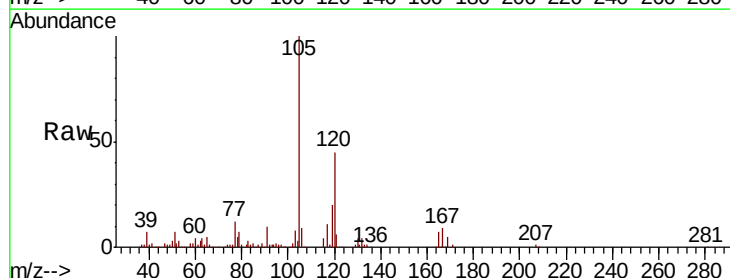
Manual Integrations
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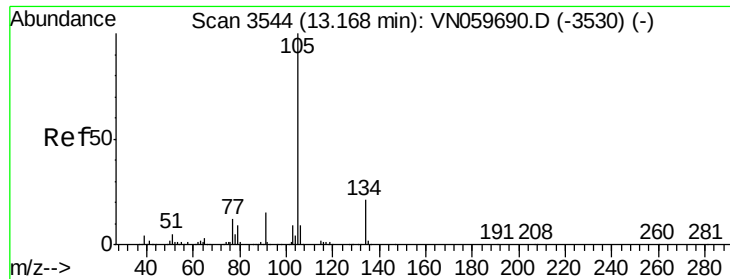
MMDadoda
 2/10/2020 9:32:41 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.987 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	147978		
120	45.5	22.3	66.9	





#85

sec-Butylbenzene

Concen: 20.022 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Instrument :

MSVOA_N

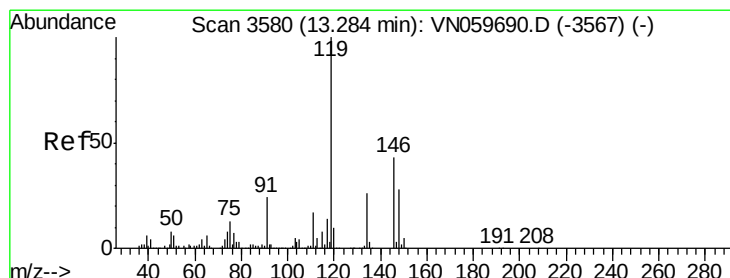
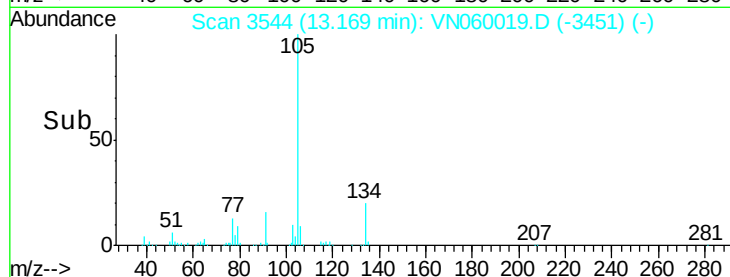
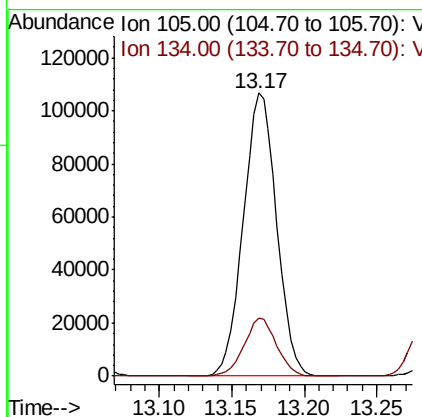
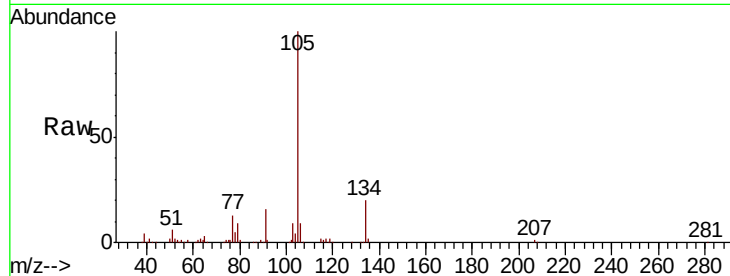
ClientSampleId :

VN0207WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.927 ug/l

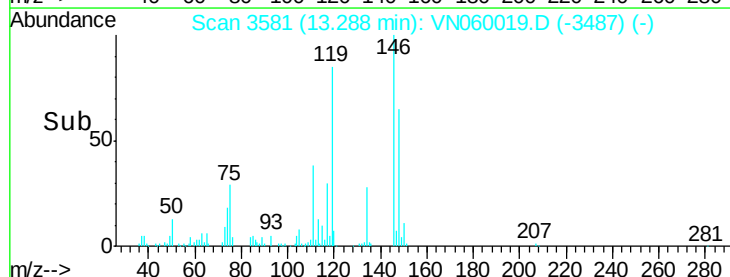
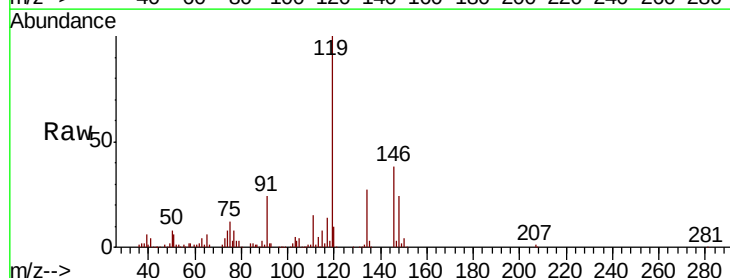
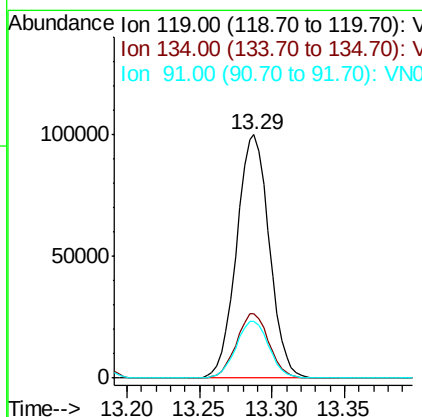
RT: 13.29 min Scan# 3581

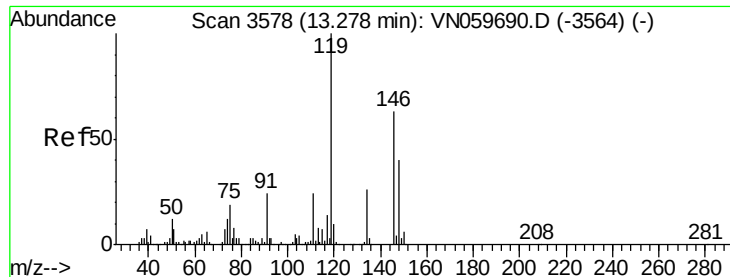
Delta R.T. 0.00 min

Lab File: VN060019.D

Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	12.9	38.7
91	23.6	12.4	37.4





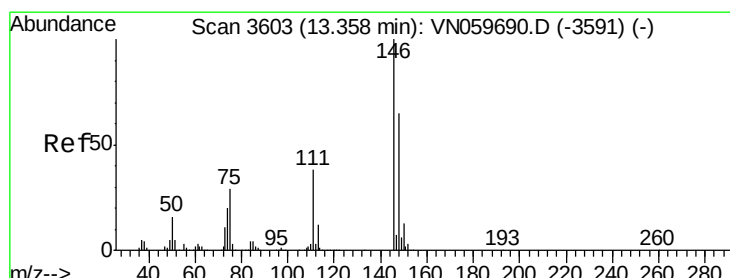
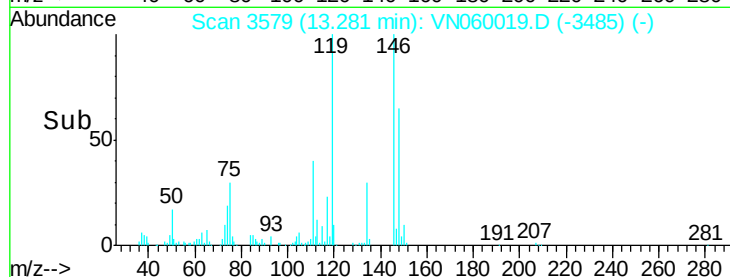
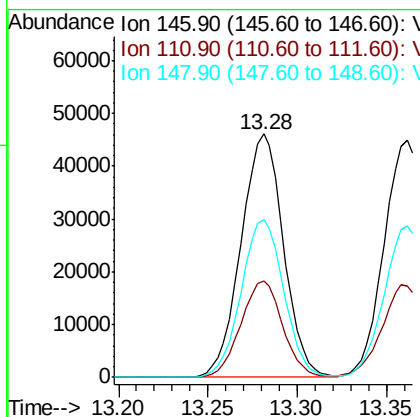
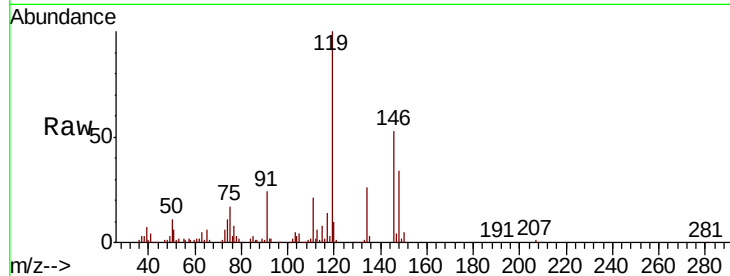
#87
 1,3-Dichlorobenzene
 Concen: 19.556 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.8	62.2
148	65.1	32.0	96.0

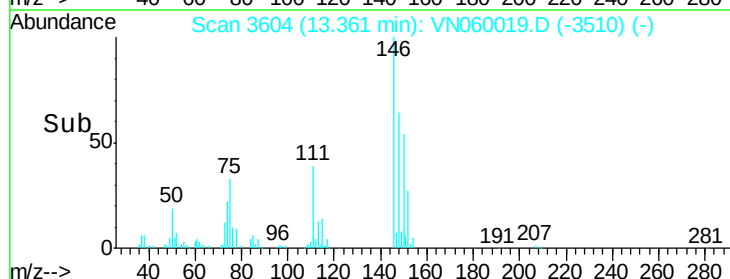
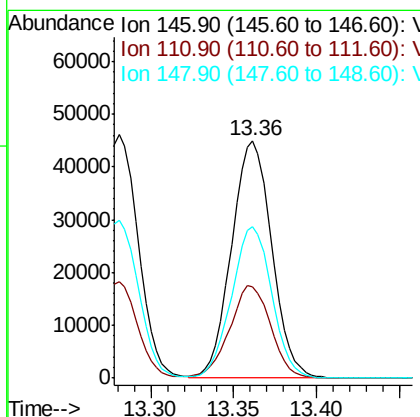
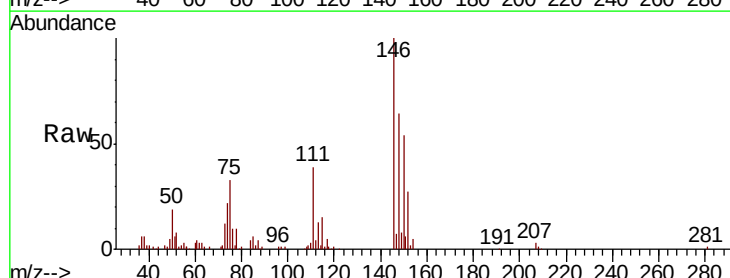
Manual Integrations
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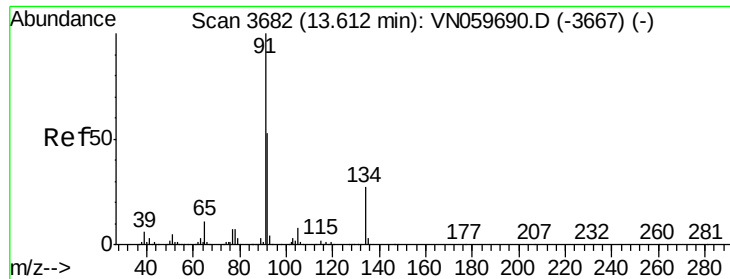
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 2/10/2020 9:32:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.489 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.8	62.2
148	63.7	31.8	95.4





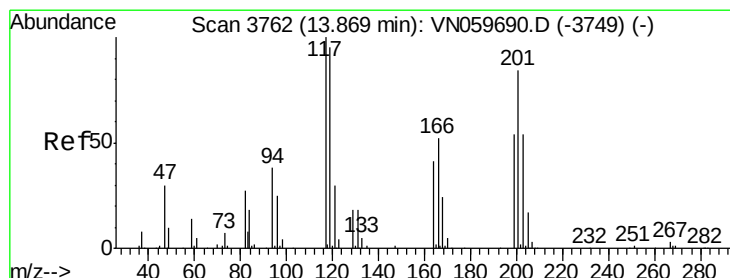
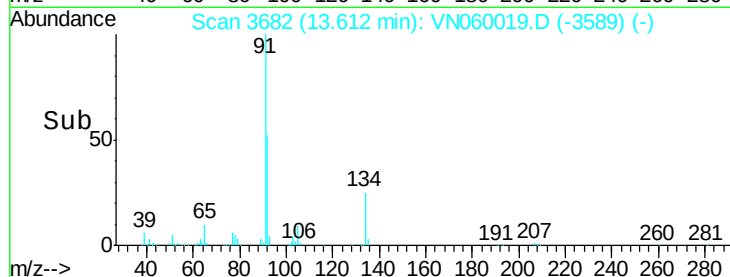
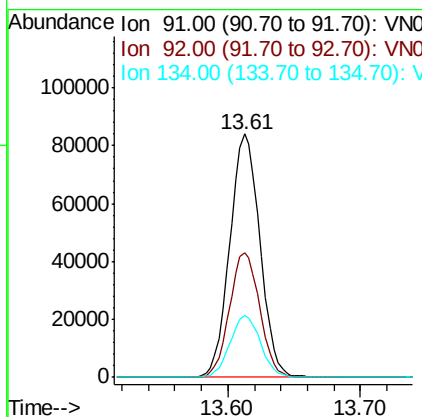
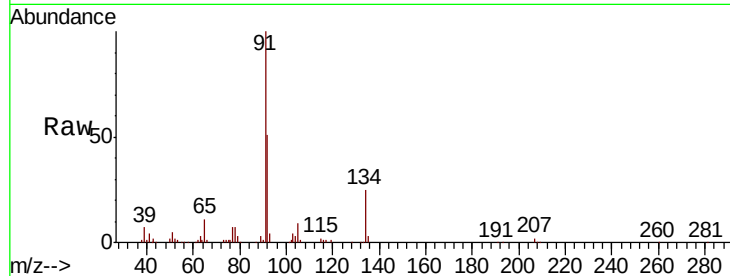
#89
n-Butylbenzene
Concen: 19.801 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.9	77.7
134	25.7	12.3	36.8

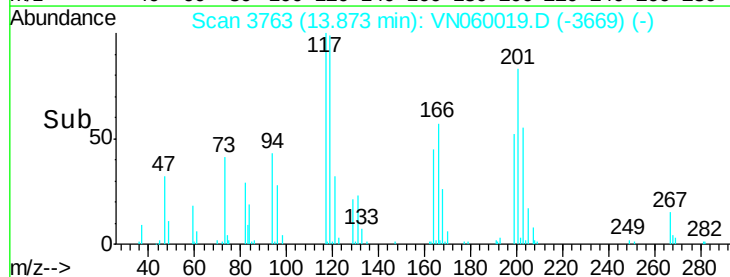
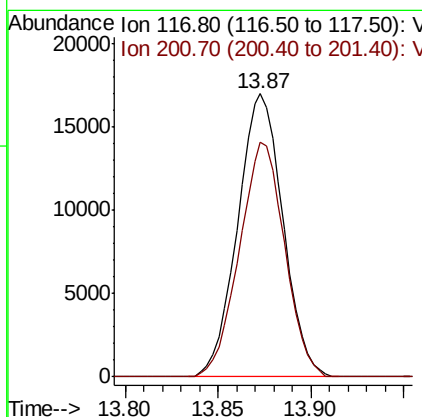
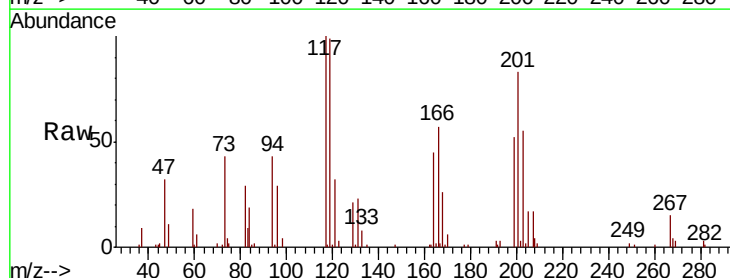
Manual Integrations
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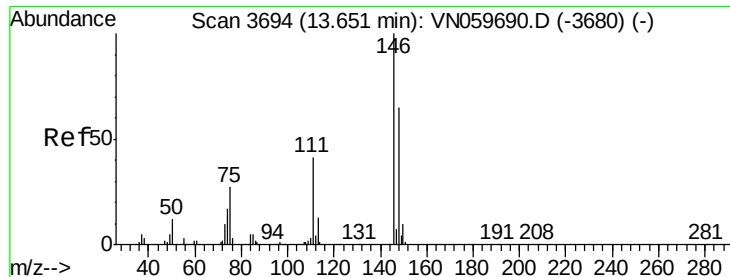
MMDadoda
2/10/2020 9:32:41 AM



#90
Hexachloroethane
Concen: 19.650 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.7	37.8	113.4





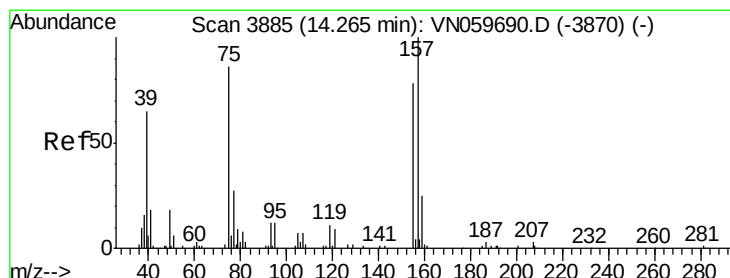
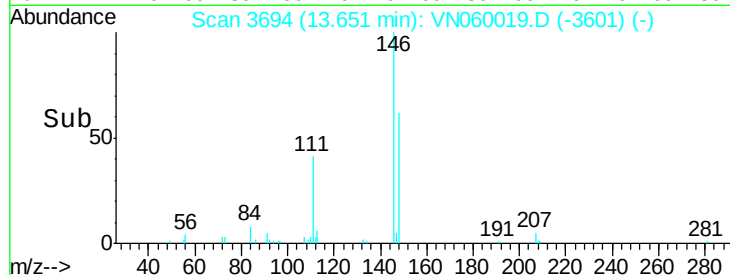
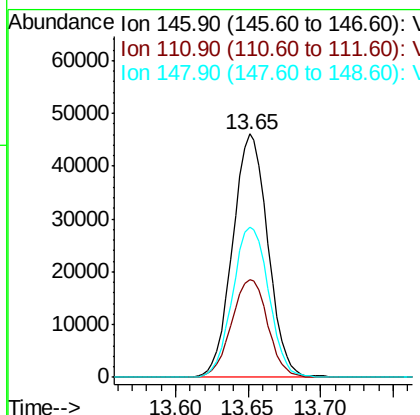
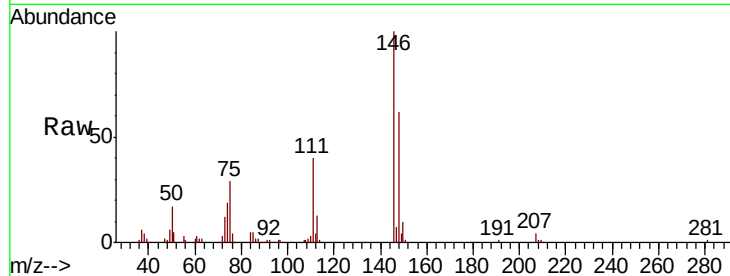
#91
 1,2-Dichlorobenzene
 Concen: 20.138 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	64.8
148	63.4	31.6	95.0

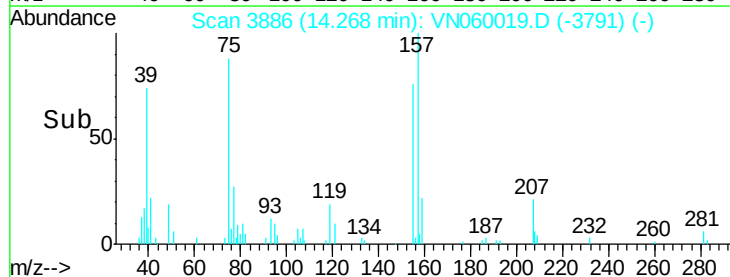
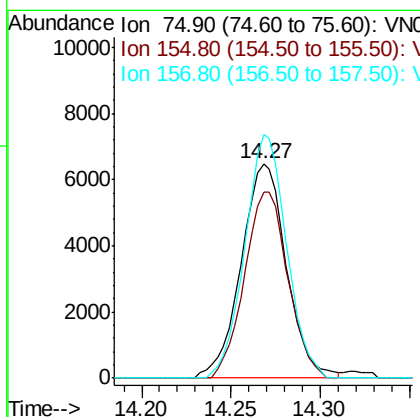
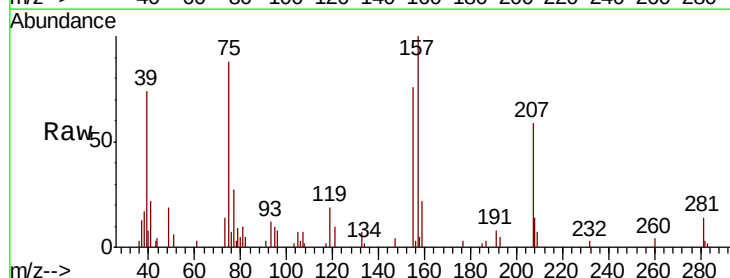
Manual Integrations
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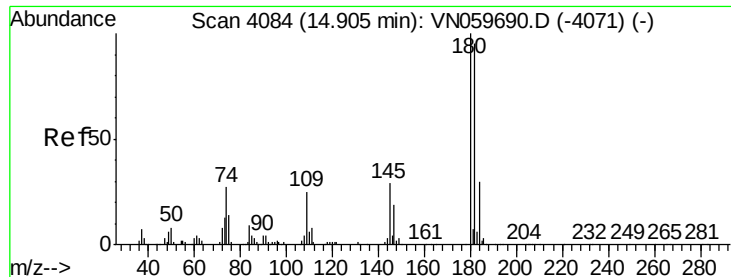
MMDadoda
 2/10/2020 9:32:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.458 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	37.0	110.9
157	104.5	48.4	145.2





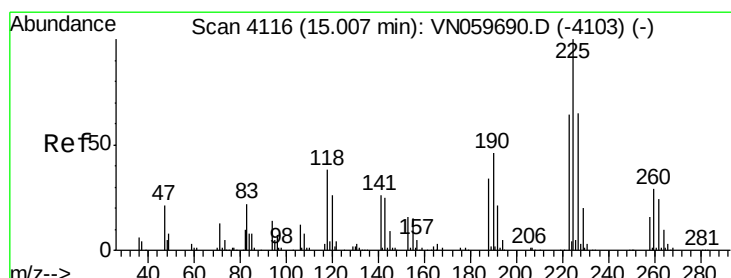
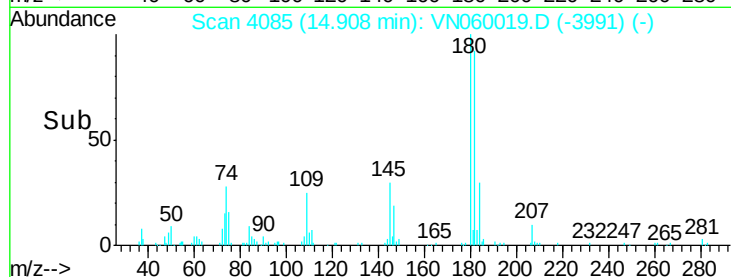
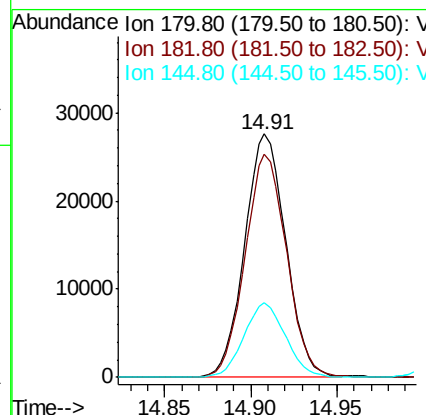
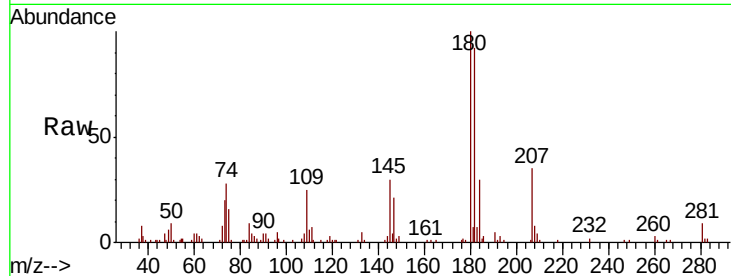
#93
 1,2,4-Trichlorobenzene
 Concen: 19.690 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.9	140.7
145	30.7	15.0	45.1

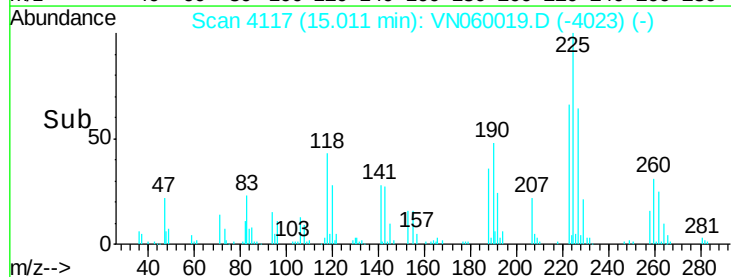
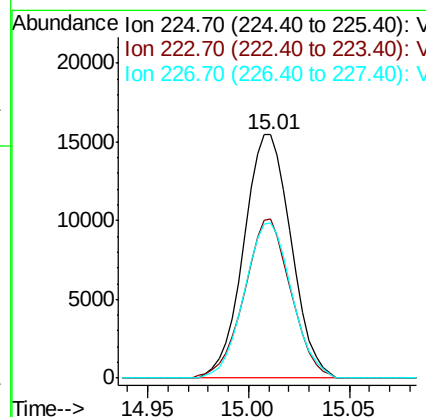
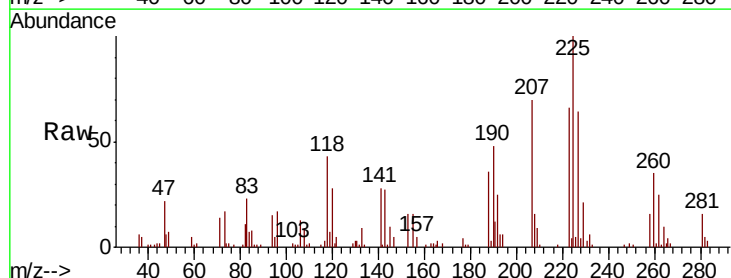
Manual Integrations
 APPROVED

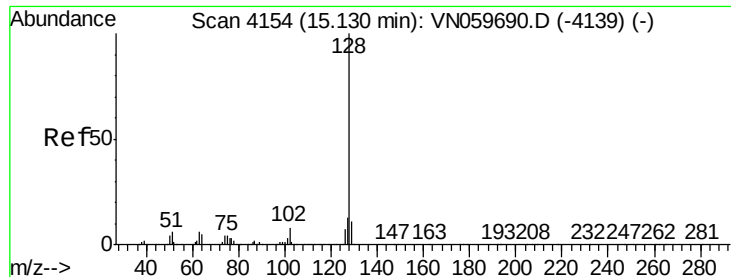
MMDadoda
 2/10/2020 9:32:41 AM



#94
 Hexachlorobutadiene
 Concen: 19.846 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060019.D
 Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.8	95.3
227	63.9	32.1	96.5





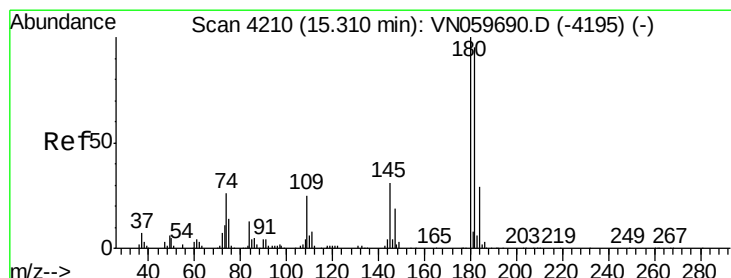
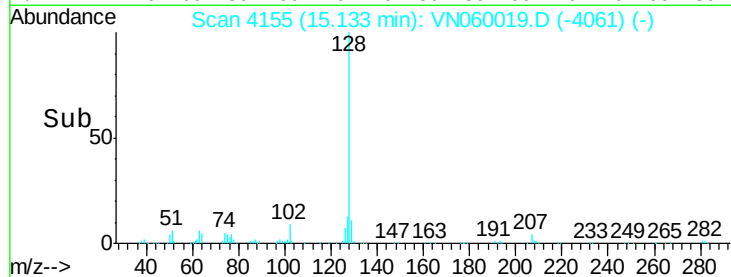
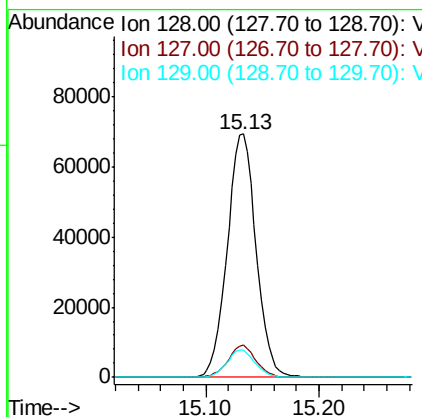
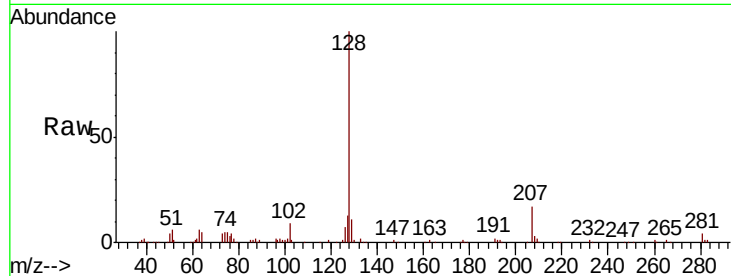
#95
Naphthalene
Concen: 18.655 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Instrument :
MSVOA_N
ClientSampleId :
VN0207WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/10/2020 9:32:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.352 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060019.D
Acq: 7 Feb 2020 10:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.4	142.3
145	31.0	16.3	48.9

