

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059989.D
 Acq On : 4 Feb 2020 13:04
 Operator : JC/MD
 Sample : VN0204MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 12:21:06 PM

Quant Time: Feb 05 02:20:51 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	177772	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	278985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	256228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	122523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	109389	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
35) Dibromofluoromethane	7.57	113	89729	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
50) Toluene-d8	10.08	98	332888	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	123316	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	34475	16.094	ug/l	95
3) Chloromethane	2.04	50	34594	16.997	ug/l	97
4) Vinyl Chloride	2.17	62	44274	19.012	ug/l	98
5) Bromomethane	2.55	94	27490	19.344	ug/l	97
6) Chloroethane	2.69	64	20833	18.910	ug/l	97
7) Trichlorofluoromethane	3.00	101	53384	19.089	ug/l	99
8) Diethyl Ether	3.38	74	20146	20.527	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31809	20.436	ug/l	94
10) Methyl Iodide	3.93	142	40822	16.226	ug/l	96
11) Tert butyl alcohol	4.72	59	32597	98.081	ug/l	99
12) 1,1-Dichloroethene	3.72	96	30176	18.554	ug/l	87
13) Acrolein	3.58	56	12913	54.888	ug/l	94
14) Allyl chloride	4.29	41	43638	19.906	ug/l #	84
15) Acrylonitrile	4.95	53	79911	105.408	ug/l	99
16) Acetone	3.78	43	78411	110.879	ug/l	96
17) Carbon Disulfide	4.03	76	72187	15.581	ug/l	100
18) Methyl Acetate	4.29	43	49240	21.353	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	113483	21.400	ug/l	96
20) Methylene Chloride	4.52	84	35947	19.332	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	32067	18.548	ug/l	92
22) Diisopropyl ether	5.91	45	105051	21.146	ug/l #	91
23) Vinyl Acetate	5.86	43	399639	103.898	ug/l	96
24) 1,1-Dichloroethane	5.81	63	61828	20.368	ug/l	97
25) 2-Butanone	6.80	43	109750	98.168	ug/l	92
26) 2,2-Dichloropropane	6.80	77	58207	19.945	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	40189	20.211	ug/l	90
28) Bromochloromethane	7.17	49	26073	21.490	ug/l #	76
29) Tetrahydrofuran	7.18	42	69655	100.699	ug/l	90
30) Chloroform	7.35	83	65408	20.796	ug/l	99
31) Cyclohexane	7.63	56	51520	17.638	ug/l	87
32) 1,1,1-Trichloroethane	7.54	97	59019	20.295	ug/l	96
36) 1,1-Dichloropropene	7.77	75	45978	18.925	ug/l	95
37) Ethyl Acetate	6.90	43	43787	19.216	ug/l #	95
38) Carbon Tetrachloride	7.75	117	52431	19.839	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	53703	17.927	ug/l	93
40) Benzene	8.02	78	139676	19.277	ug/l	100
41) Methacrylonitrile	7.16	41	23859m	21.258	ug/l	
42) 1,2-Dichloroethane	8.10	62	52618	21.418	ug/l	97
43) Isopropyl Acetate	8.14	43	78469	20.021	ug/l	96
44) Trichloroethene	8.82	130	40652	20.552	ug/l	91
45) 1,2-Dichloropropane	9.10	63	37406	20.863	ug/l	98
46) Dibromomethane	9.19	93	26843	21.224	ug/l	92
47) Bromodichloromethane	9.39	83	53300	20.913	ug/l	98
48) Methyl methacrylate	9.18	41	33201	18.938	ug/l	89
49) 1,4-Dioxane	9.18	88	13857	431.769	ug/l	89
51) 4-Methyl-2-Pentanone	9.97	43	227812	100.549	ug/l	96
52) Toluene	10.14	92	91667	20.029	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	59194	20.800	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	63130	21.083	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	38505	21.243	ug/l	97
56) Ethyl methacrylate	10.42	69	54072	19.523	ug/l	94
57) 1,3-Dichloropropane	10.70	76	62162	21.601	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	91112	109.215	ug/l	91
59) 2-Hexanone	10.74	43	167423	100.305	ug/l	95
60) Dibromochloromethane	10.90	129	43702	21.172	ug/l	100
61) 1,2-Dibromoethane	11.00	107	39228	20.648	ug/l	100
64) Tetrachloroethene	10.62	164	39895	19.104	ug/l	97
65) Chlorobenzene	11.43	112	100531	19.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40493	20.808	ug/l	98
67) Ethyl Benzene	11.51	91	179449	19.628	ug/l	98
68) m/p-Xylenes	11.62	106	133973	38.794	ug/l	95
69) o-Xylene	11.94	106	64890	19.193	ug/l	96
70) Styrene	11.96	104	105208	18.596	ug/l	97
71) Bromoform	12.12	173	31934	20.487	ug/l #	99
73) Isopropylbenzene	12.25	105	178299	19.842	ug/l	100
74) N-amyl acetate	12.07	43	66188	18.983	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	52785	20.263	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	50846m	24.659	ug/l	
77) Bromobenzene	12.52	156	44912	19.737	ug/l	84
78) n-propylbenzene	12.59	91	197432	19.576	ug/l	97
79) 2-Chlorotoluene	12.67	91	118189	19.698	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	148097	19.597	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18284	19.043	ug/l	96
82) 4-Chlorotoluene	12.77	91	121415	20.175	ug/l	96
83) tert-Butylbenzene	12.99	119	128046	19.591	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	146759	19.630	ug/l	98
85) sec-Butylbenzene	13.17	105	167857	19.547	ug/l	98
86) p-Isopropyltoluene	13.29	119	153766	19.352	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	79740	20.173	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	79285	20.106	ug/l	98
89) n-Butylbenzene	13.61	91	134280	19.821	ug/l	99
90) Hexachloroethane	13.87	117	28746	19.336	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	79434	20.327	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11578	19.430	ug/l	89

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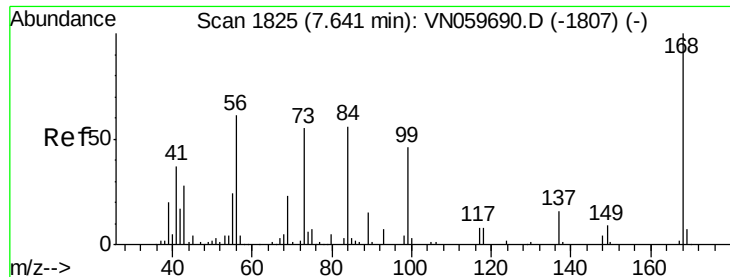
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48247	20.547	ug/l	99
94) Hexachlorobutadiene	15.01	225	25573	19.764	ug/l	99
95) Naphthalene	15.13	128	132570	19.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47976	20.991	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

Tot Ion:168 Resp: 177772

Ion Ratio Lower Upper

168 100

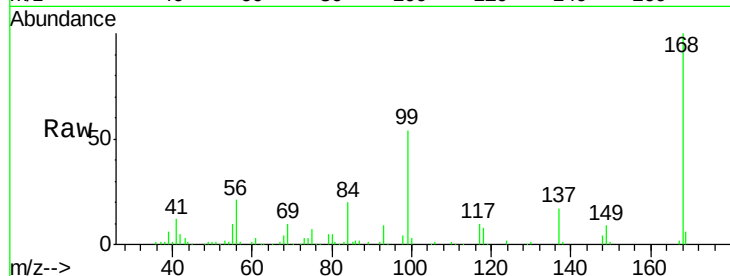
99 53.6 48.2 72.4

Manual Integrations

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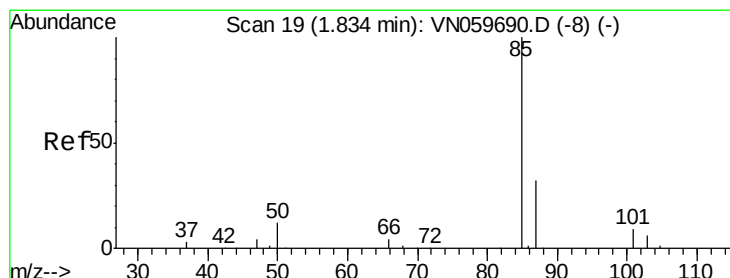
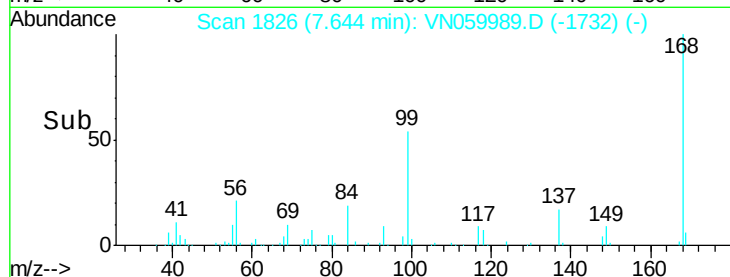
Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.094 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059989.D

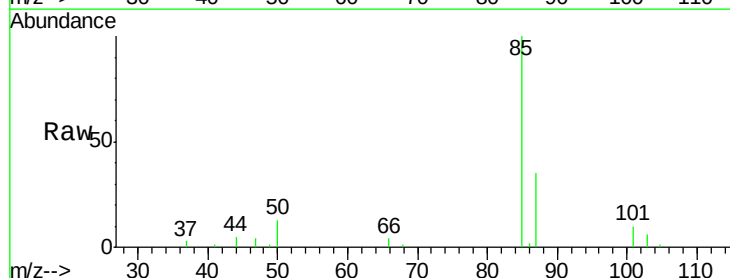
Acq: 4 Feb 2020 13:04

Tgt Ion: 85 Resp: 34475

Ion Ratio Lower Upper

85 100

87 34.6 15.9 47.7



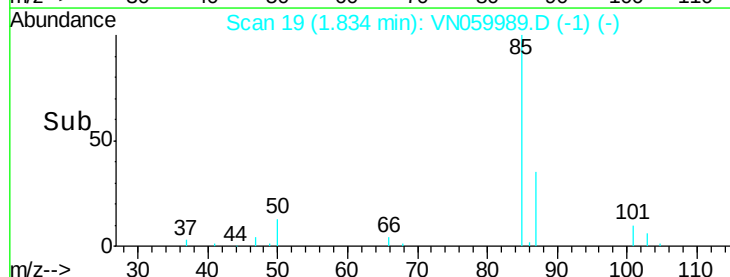
Abundance Ion 84.90 (84.60 to 85.60): VN

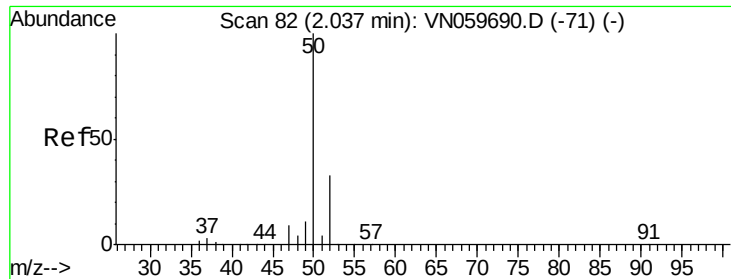
Ion 86.90 (86.60 to 87.60): VN

1.83

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.997 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

Tot Ion: 50 Resp: 34594

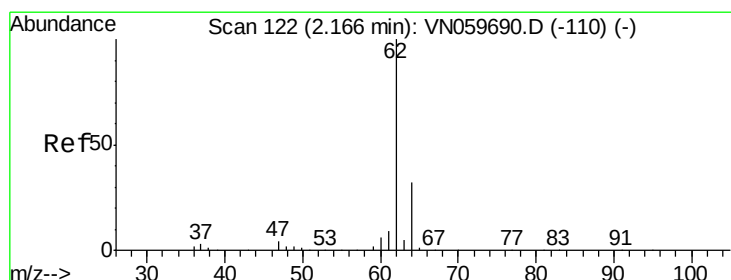
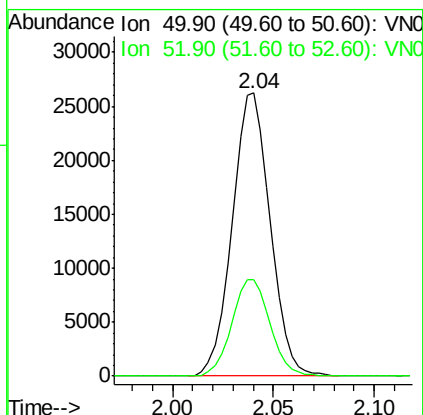
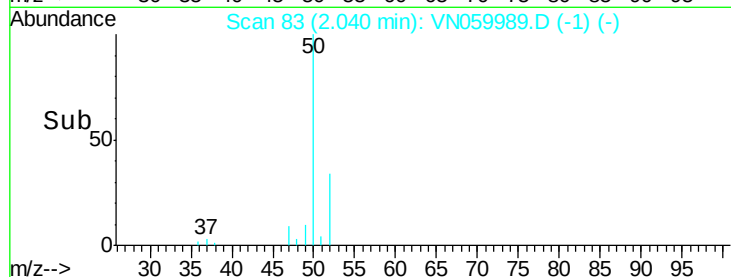
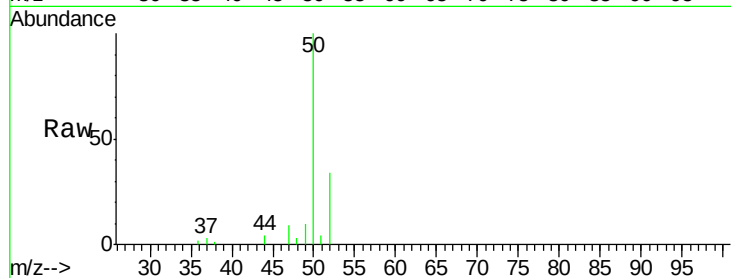
Ion Ratio Lower Upper

50 100

52 34.1 25.9 38.9

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#4

Vinyl Chloride

Concen: 19.012 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059989.D

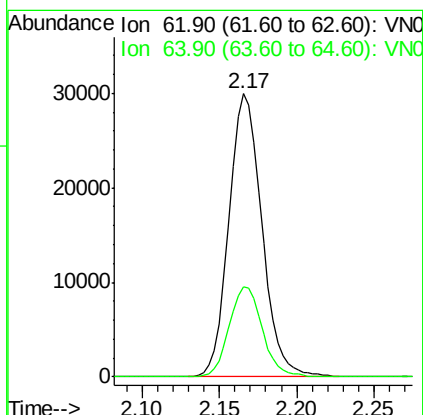
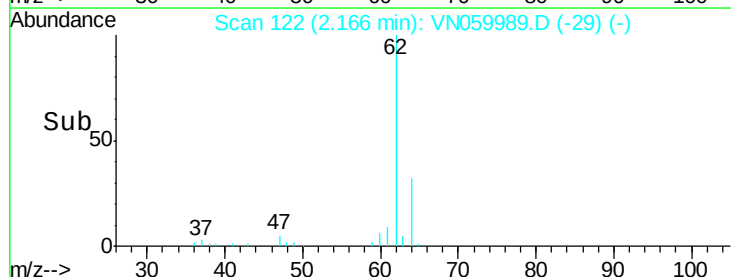
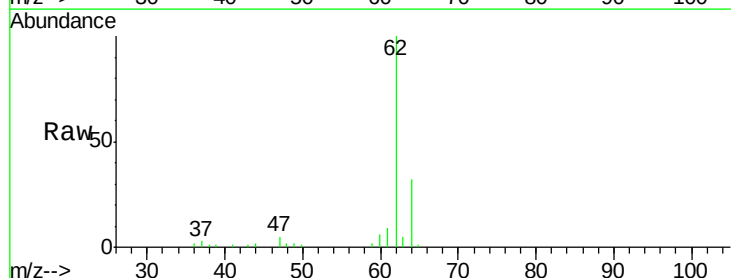
Acq: 4 Feb 2020 13:04

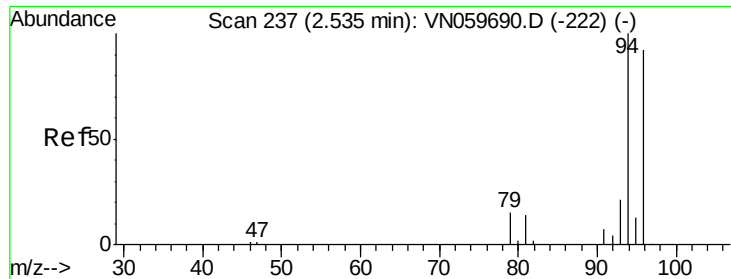
Tgt Ion: 62 Resp: 44274

Ion Ratio Lower Upper

62 100

64 31.7 24.6 37.0





#5

Bromomethane

Concen: 19.344 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

Tot Ion: 94 Resp: 27490

Ion Ratio Lower Upper

94 100

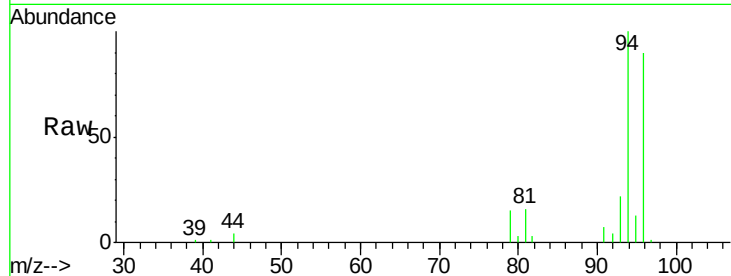
96 90.3 74.7 112.1

Manual Integrations

APPROVED

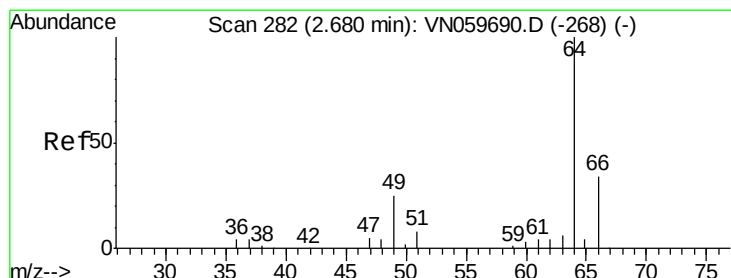
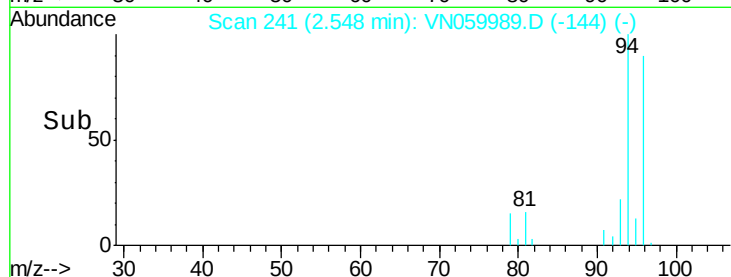
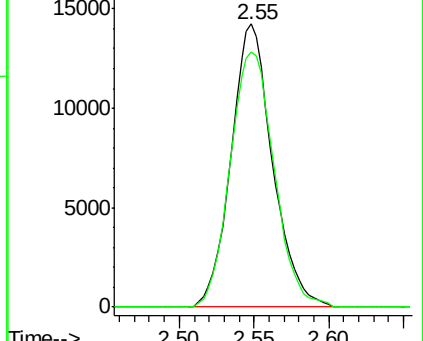
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2/5/2020 12:21:06 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.910 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059989.D

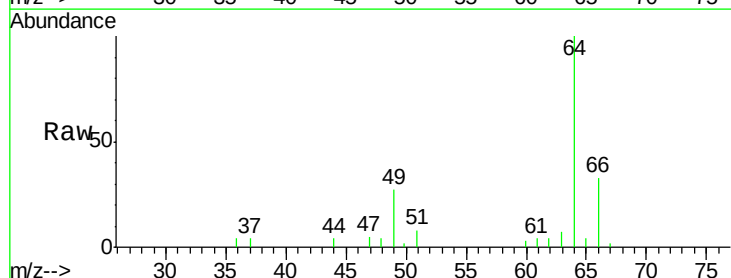
Acq: 4 Feb 2020 13:04

Tgt Ion: 64 Resp: 20833

Ion Ratio Lower Upper

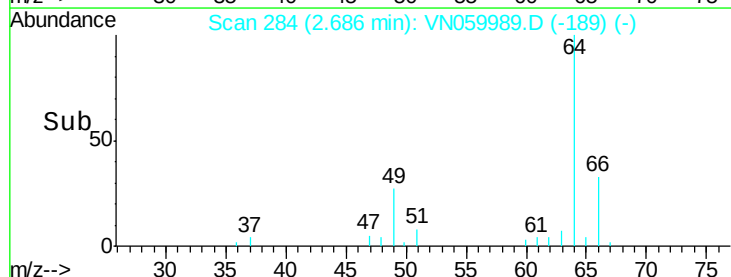
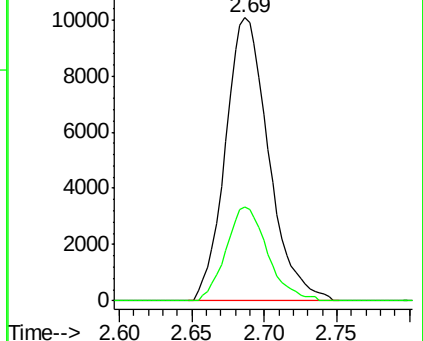
64 100

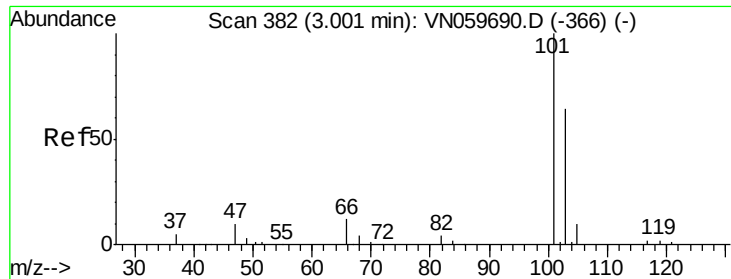
66 33.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

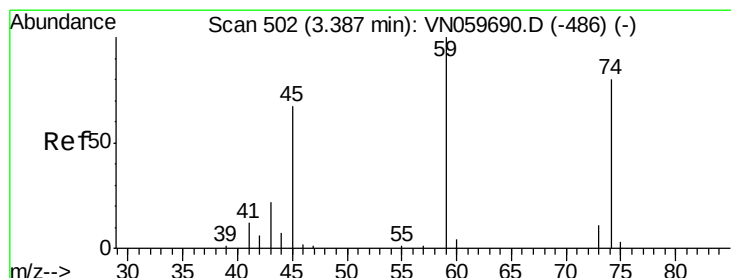
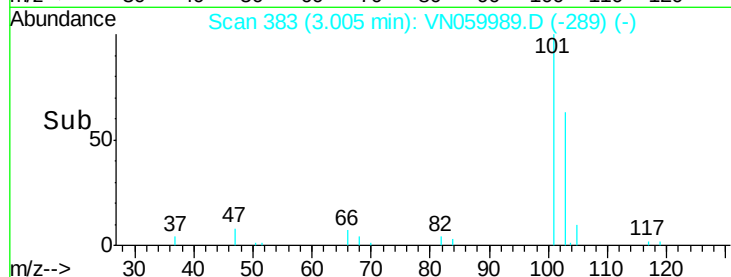
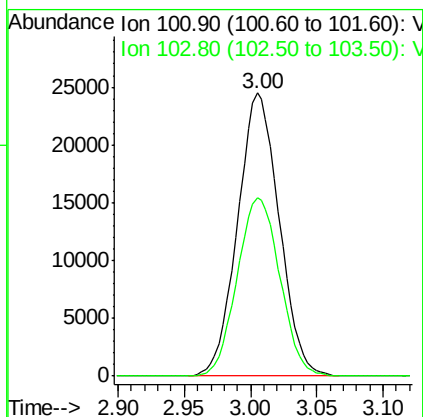
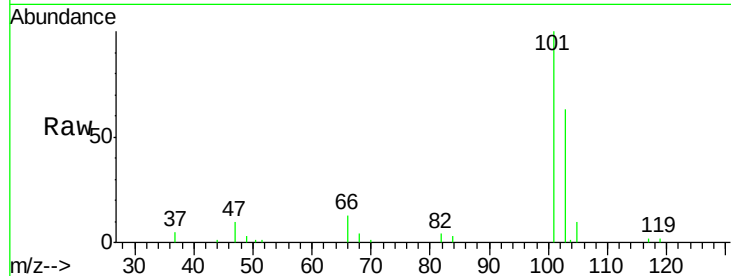
Trichlorofluoromethane
Concen: 19.089 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

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ClientSampleId :
VN0204MBS01

Tot Ion:101 Resp: 53384
Ion Ratio Lower Upper
101 100
103 63.1 51.0 76.6

Manual Integrations
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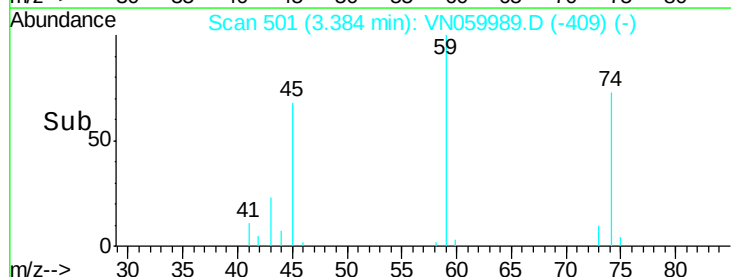
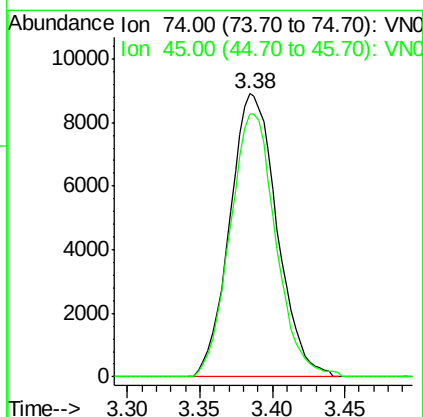
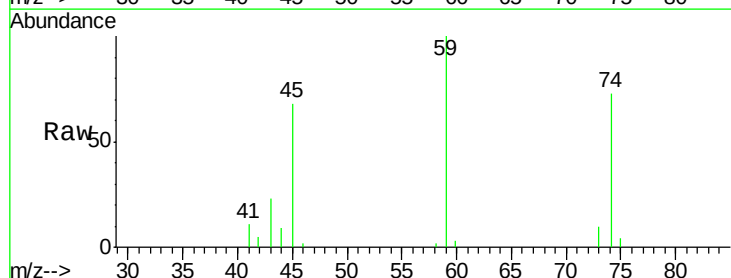
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2/5/2020 12:21:06 PM

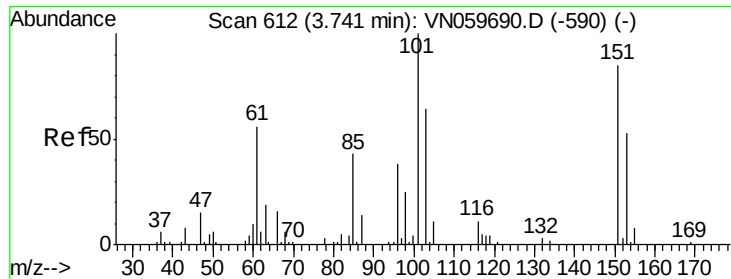


#8

Diethyl Ether
Concen: 20.527 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 74 Resp: 20146
Ion Ratio Lower Upper
74 100
45 90.4 51.9 155.8





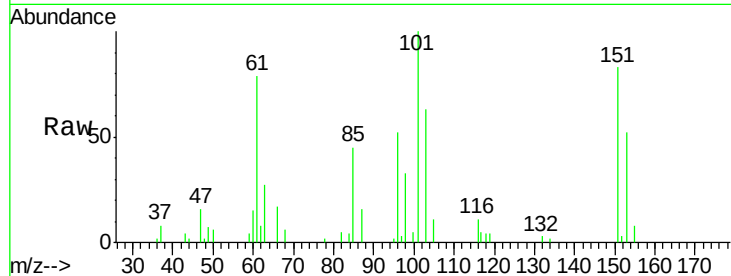
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.436 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

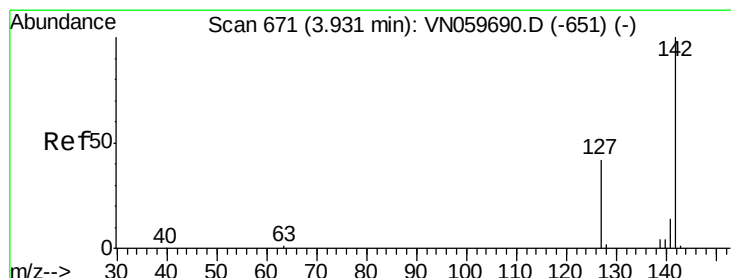
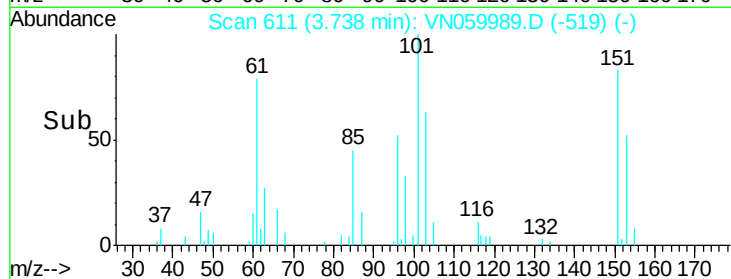
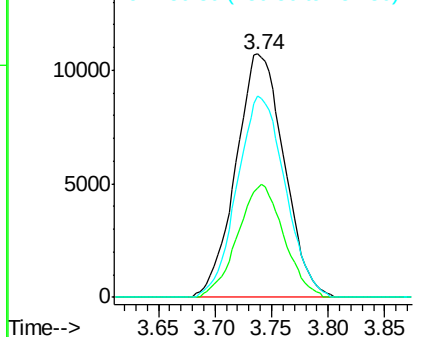
Tot Ion	Ratio	Resp	Lower	Upper
101	100	31809		
85	44.2		36.6	54.8
151	82.1		59.7	89.5

Manual Integrations
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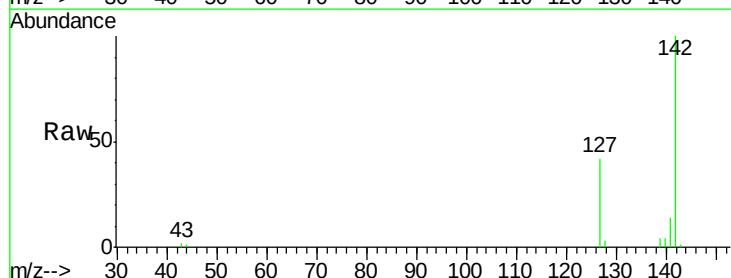


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

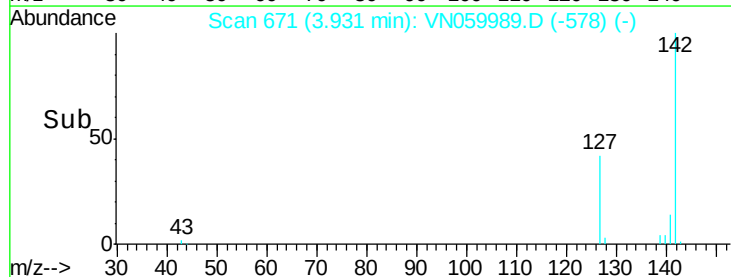
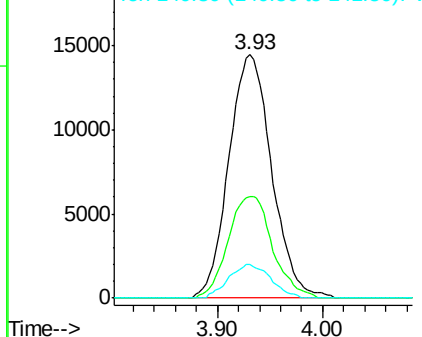


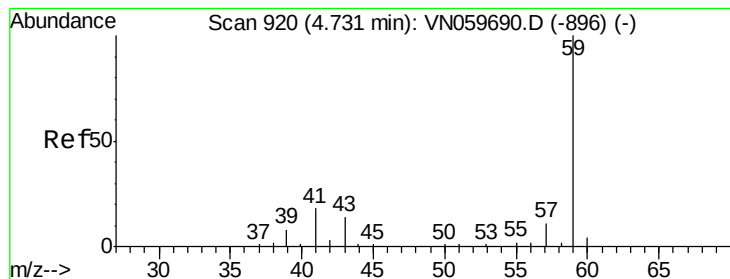
#10
Methyl Iodide
Concen: 16.226 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	40822		
127	43.1		36.7	55.1
141	13.6		11.7	17.5



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





#11

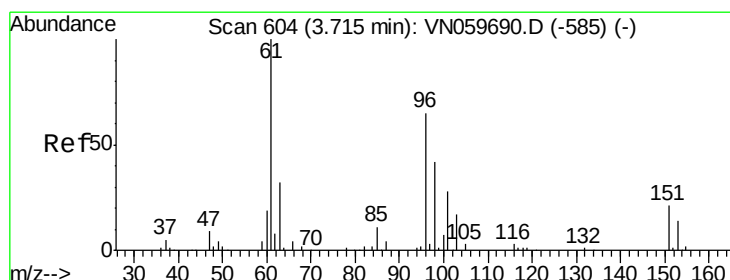
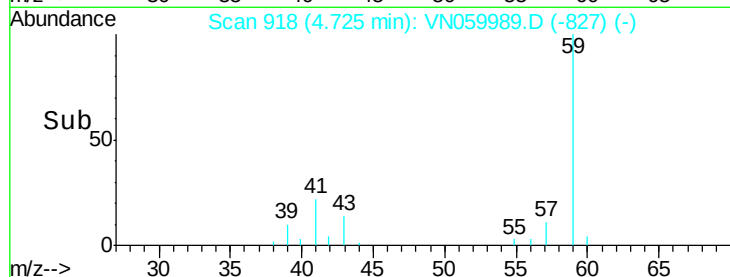
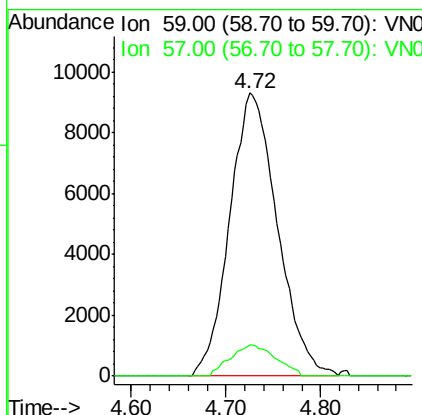
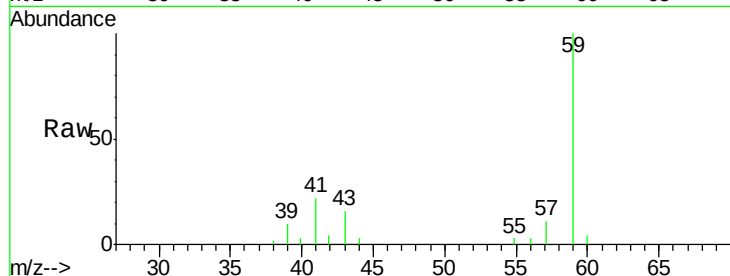
Tert butyl alcohol
Concen: 98.081 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.6	12.8

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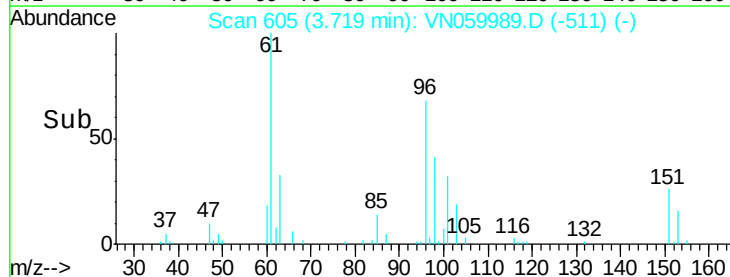
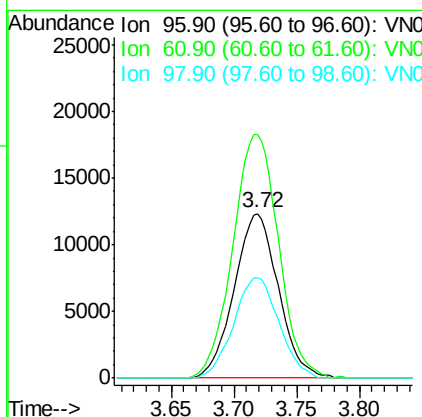
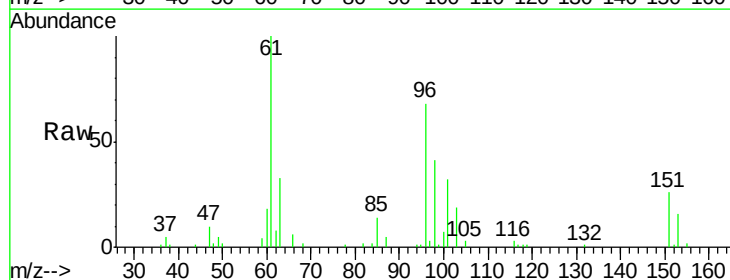
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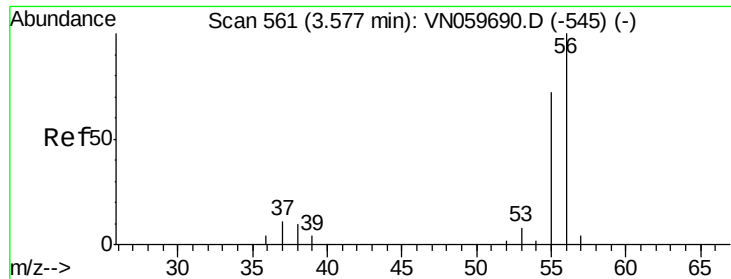


#12

1,1-Dichloroethene
Concen: 18.554 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.9	137.5	206.3
98	61.2	50.2	75.4





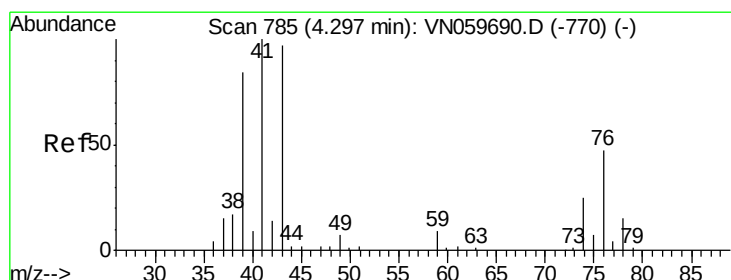
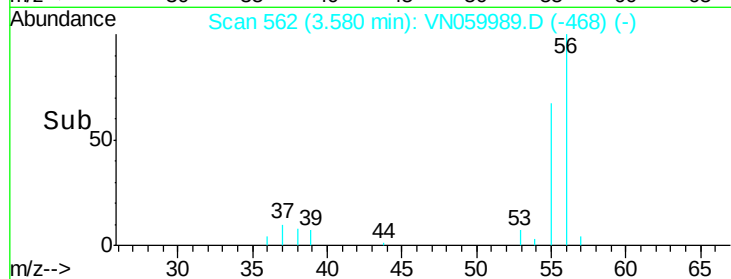
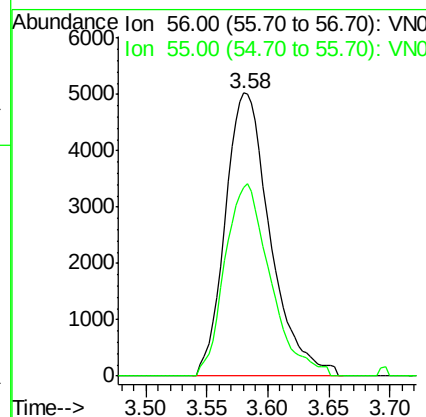
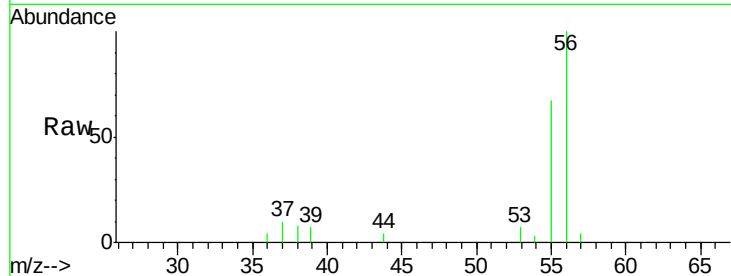
#13
Acrolein
Concen: 54.888 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 56 Resp: 12913
Ion Ratio Lower Upper
56 100
55 68.6 58.6 88.0

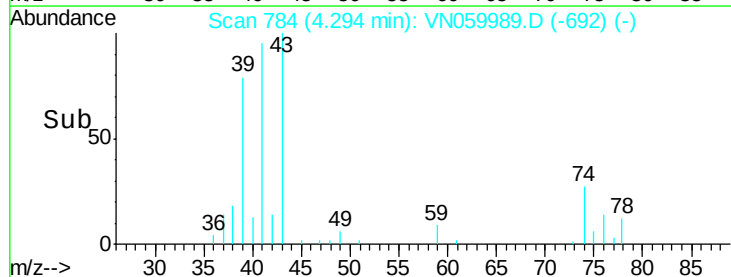
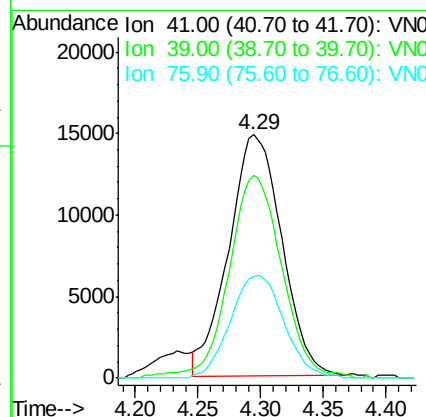
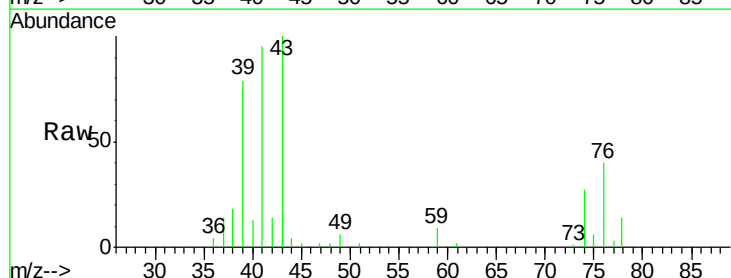
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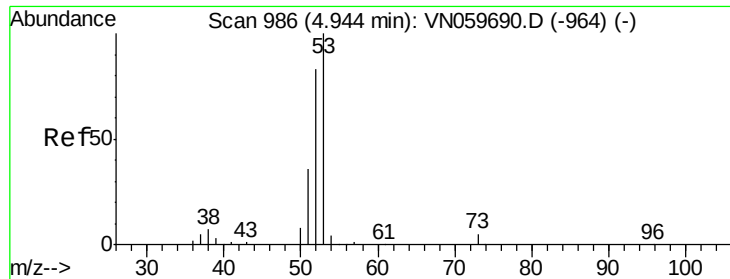
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#14
Allyl chloride
Concen: 19.906 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 41 Resp: 43638
Ion Ratio Lower Upper
41 100
39 83.8 57.8 86.8
76 42.8 25.4 38.0#





#15

Acrylonitrile

Concen: 105.408 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

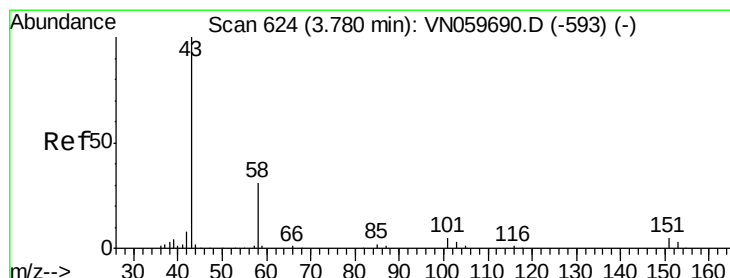
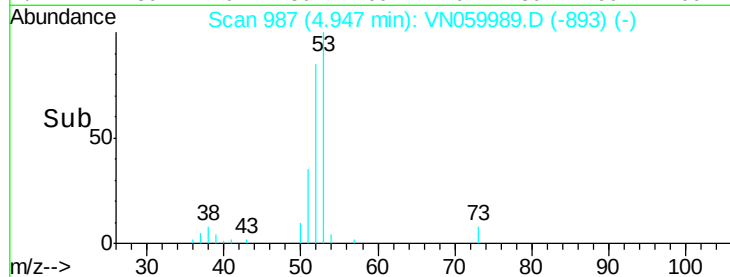
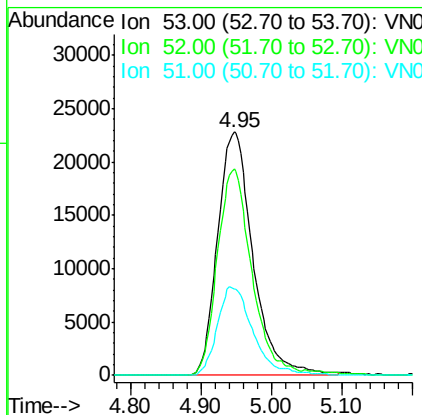
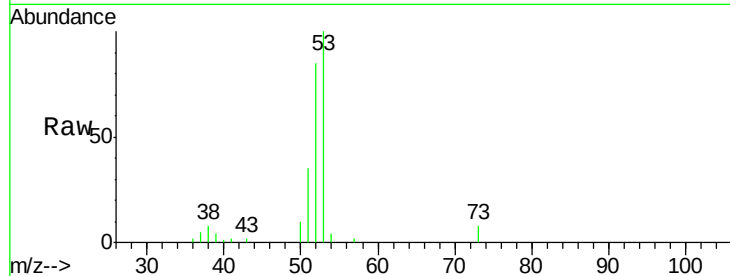
ClientSampled :

VN0204MBS01

Tot Ion:	53	Resp:	79911
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.3	99.5
51	36.5	29.7	44.5

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#16

Acetone

Concen: 110.879 ug/l

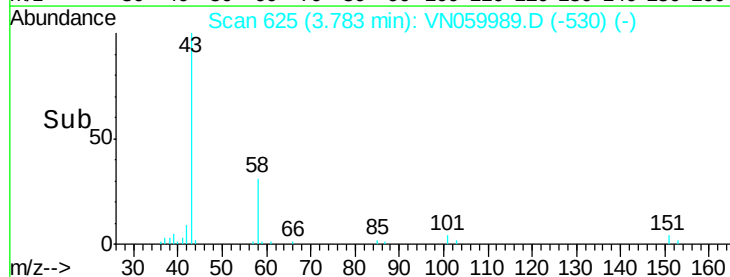
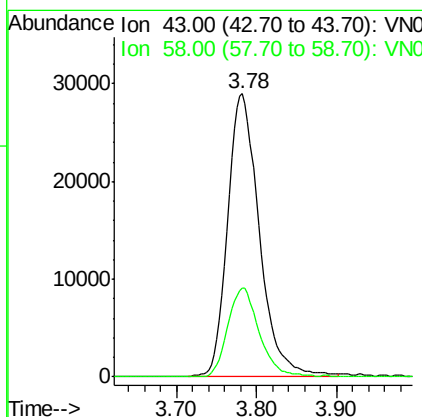
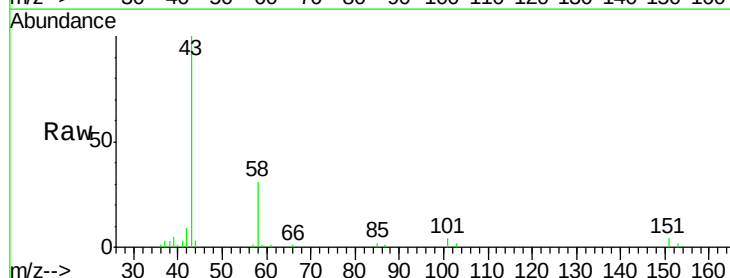
RT: 3.78 min Scan# 625

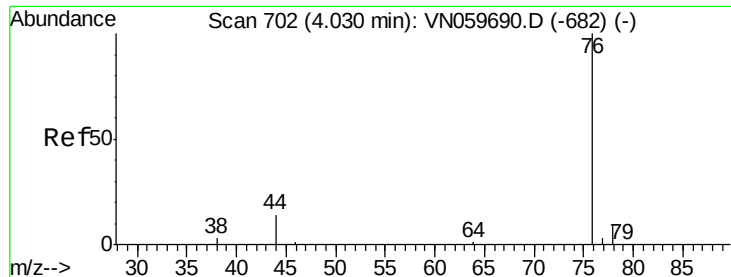
Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion:	43	Resp:	78411
Ion Ratio	Lower	Upper	
43	100		
58	31.4	23.6	35.4





#17

Carbon Disulfide

Concen: 15.581 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

Tot Ion: 76 Resp: 72187

Ion Ratio Lower Upper

76 100

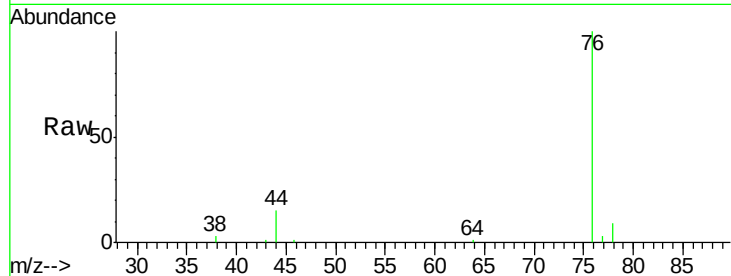
78 9.3 7.4 11.0

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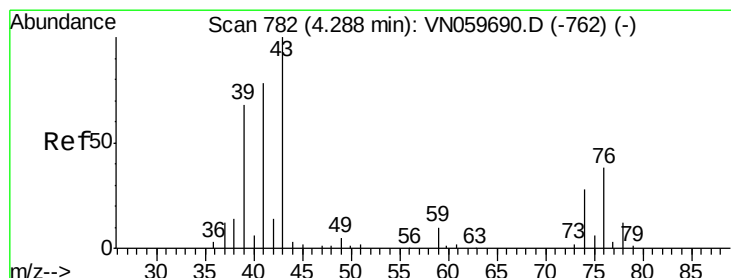
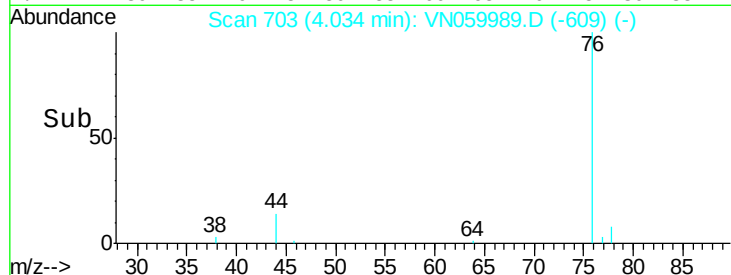
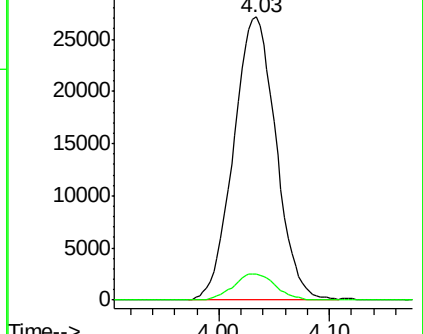
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.353 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059989.D

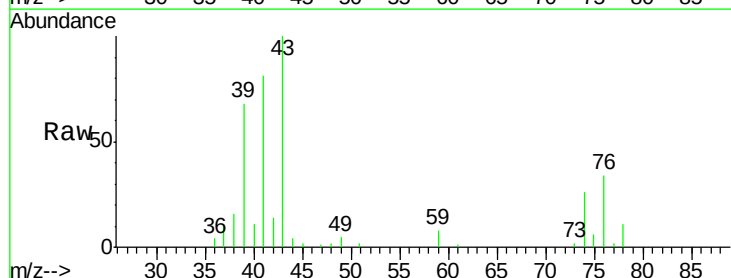
Acq: 4 Feb 2020 13:04

Tgt Ion: 43 Resp: 49240

Ion Ratio Lower Upper

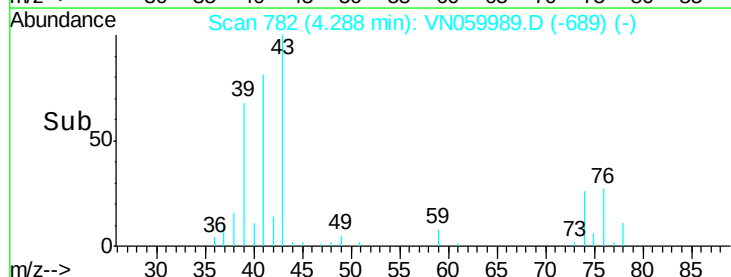
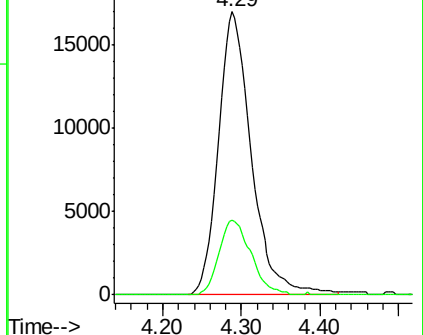
43 100

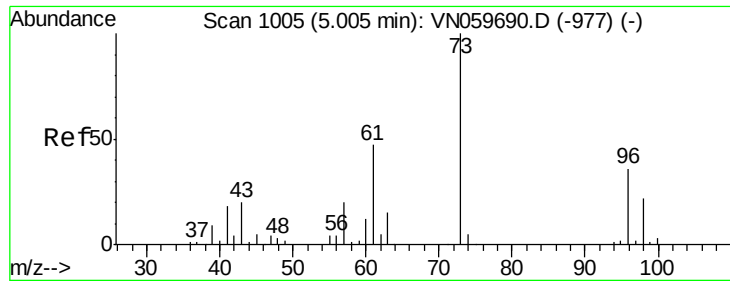
74 25.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





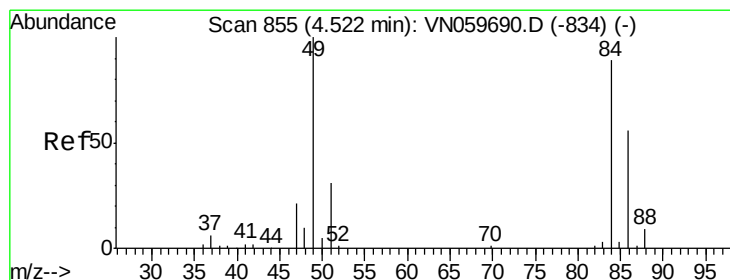
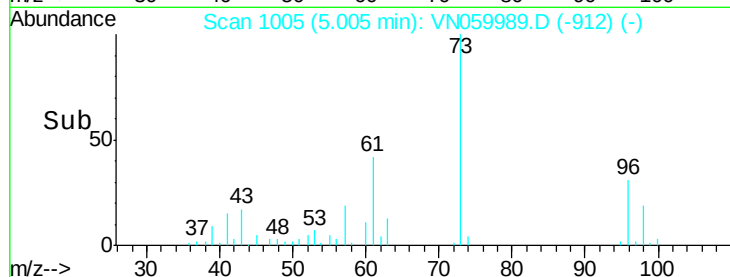
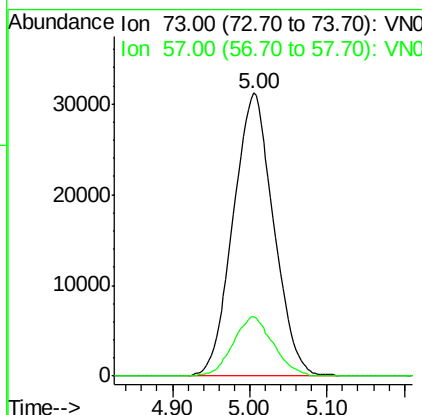
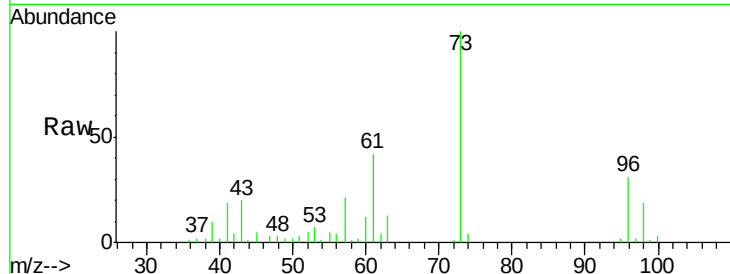
#19
Methyl tert-butyl Ether
Concen: 21.400 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion: 73 Resp: 113483
Ion Ratio Lower Upper
73 100
57 21.2 18.6 27.8

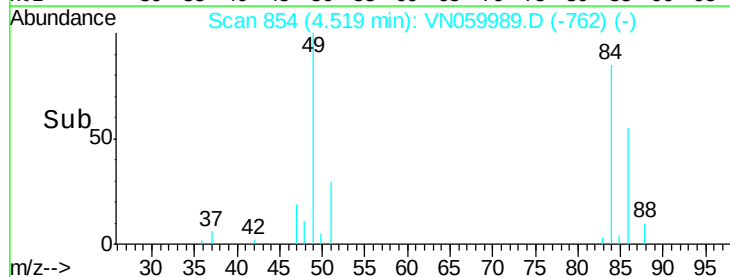
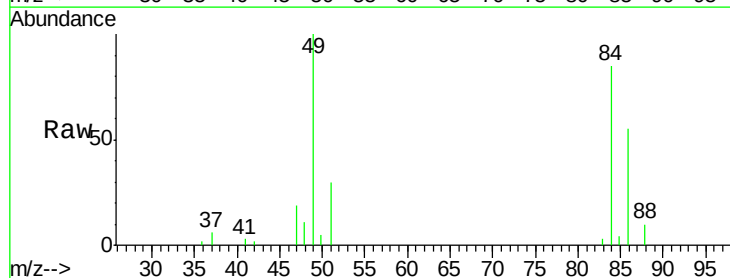
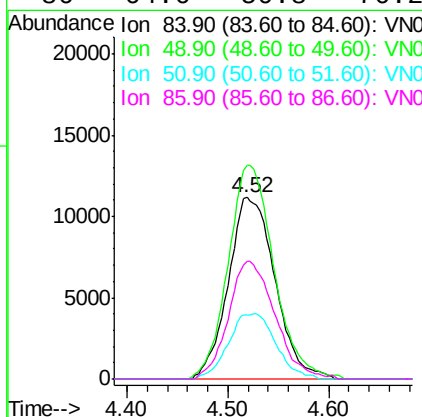
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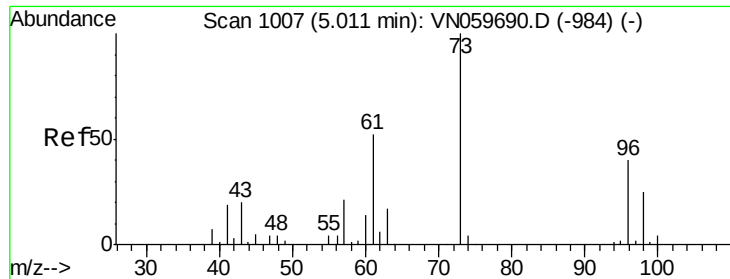
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#20
Methylene Chloride
Concen: 19.332 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 84 Resp: 35947
Ion Ratio Lower Upper
84 100
49 117.7 106.6 160.0
51 35.2 31.9 47.9
86 64.6 50.8 76.2





#21

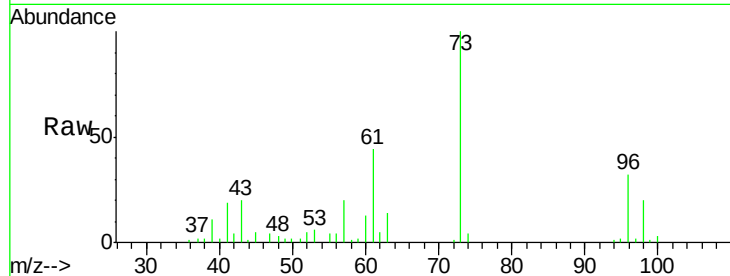
trans-1,2-Dichloroethene
Concen: 18.548 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

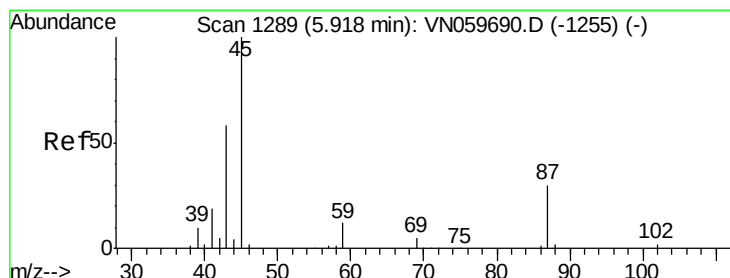
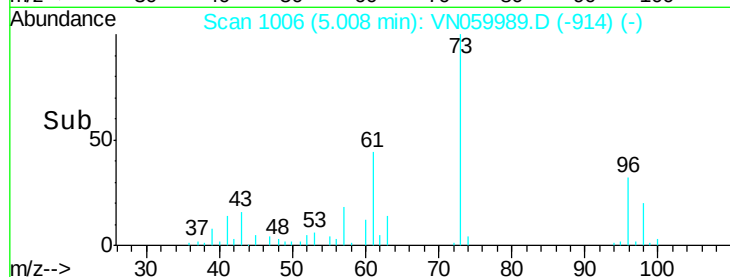
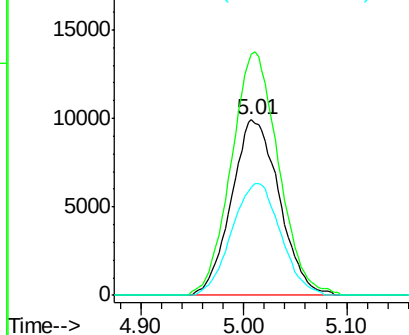
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	120.4	180.6
98	61.9	50.6	75.8

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

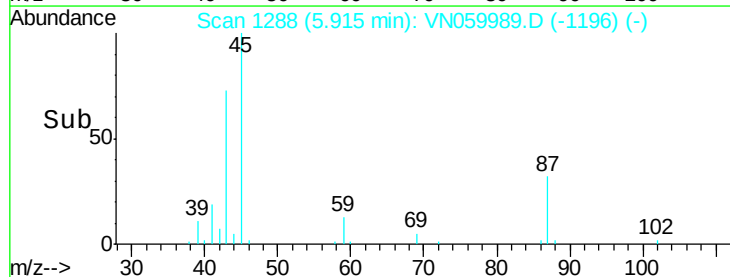
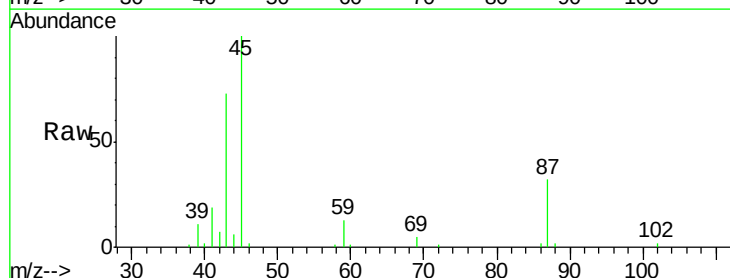
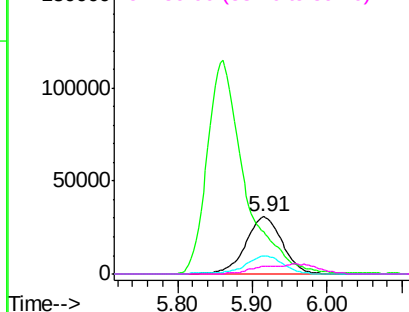


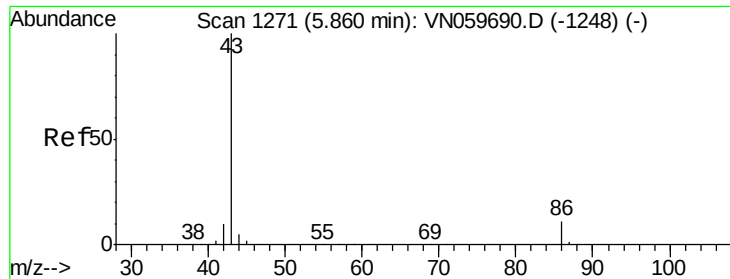
#22

Diisopropyl ether
Concen: 21.146 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.3	50.8	76.2
87	32.0	21.0	31.6
59	12.9	9.1	13.7

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





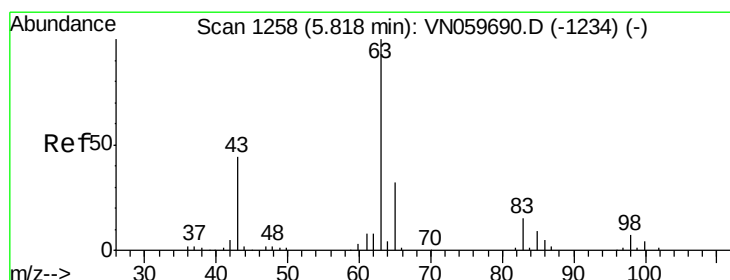
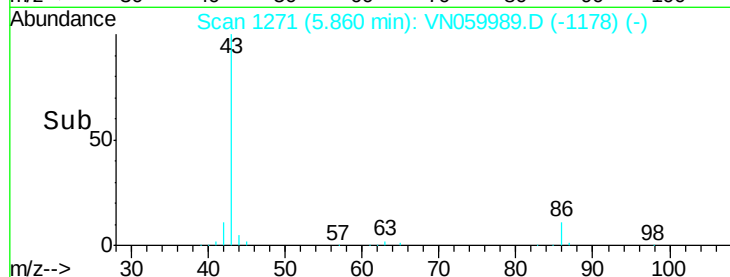
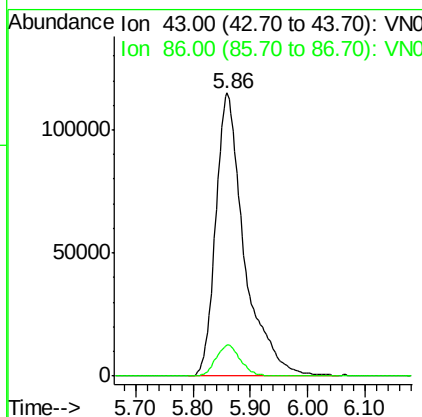
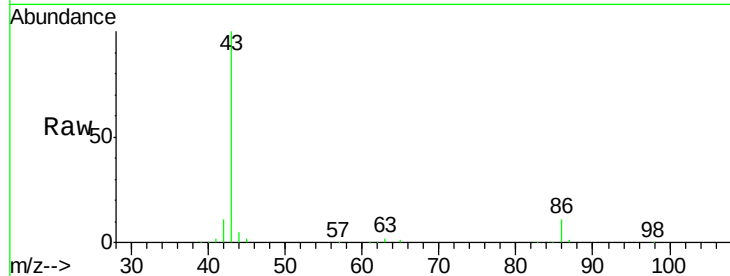
#23
 Vinyl Acetate
 Concen: 103.898 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

Tot Ion	43	Resp	399639
Ion Ratio	100	Lower	Upper
43	100		
86	11.0	7.6	11.4

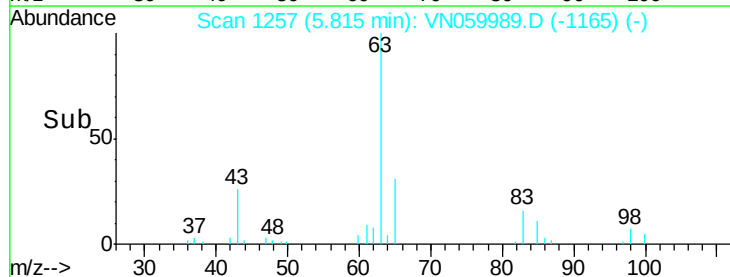
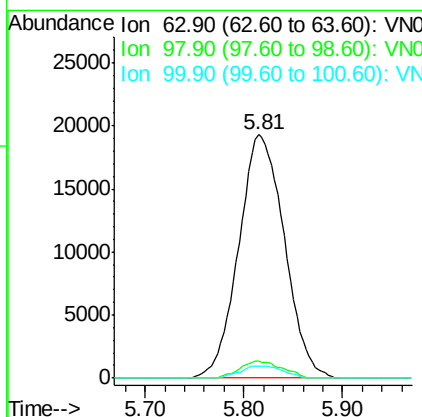
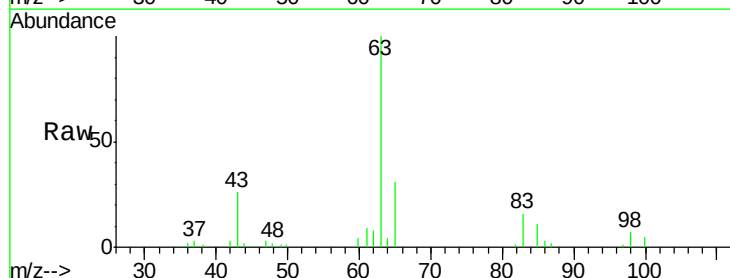
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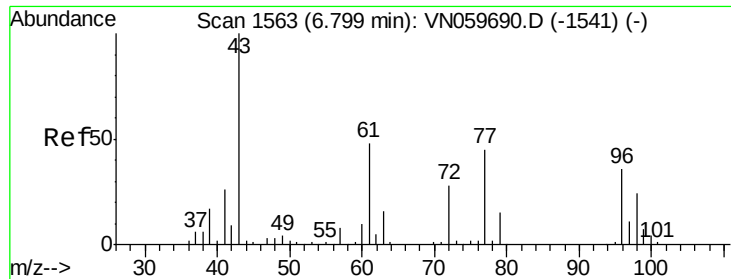
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#24
 1,1-Dichloroethane
 Concen: 20.368 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	63	Resp	61828
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	2.9	8.7
100	5.0	2.0	6.0





#25

2-Butanone

Concen: 98.168 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

Tot Ion: 43 Resp: 109750

Ion Ratio Lower Upper

43 100

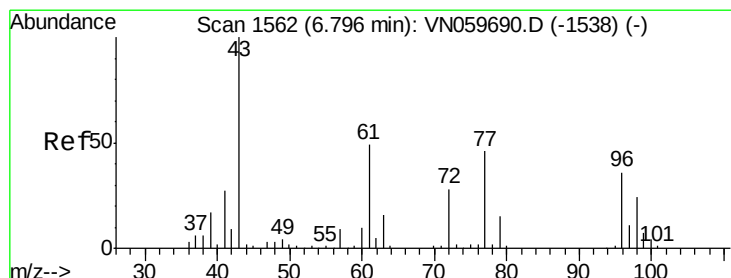
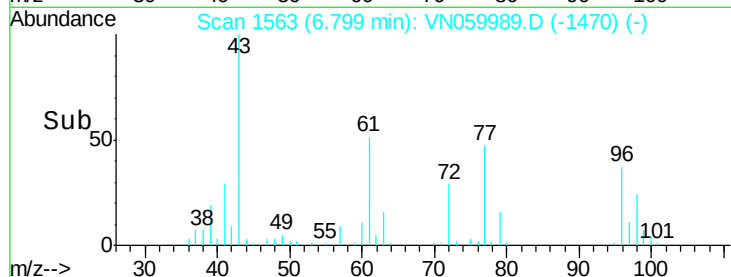
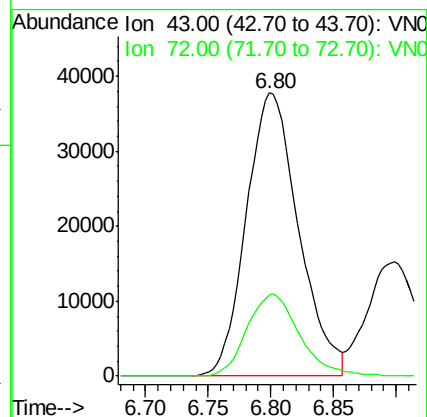
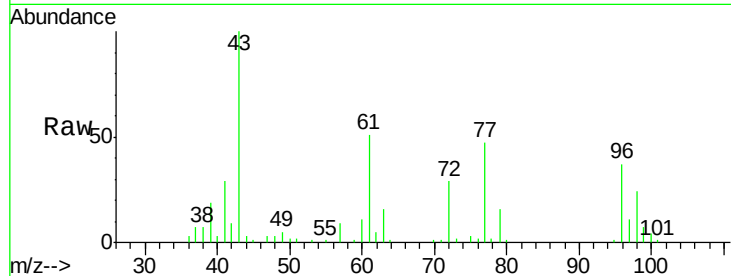
72 28.7 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 19.945 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059989.D

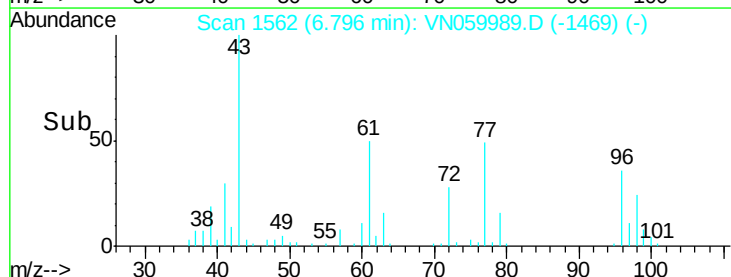
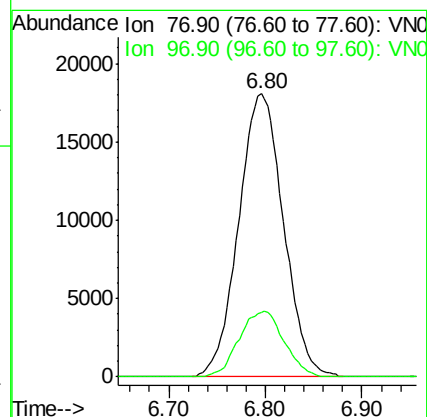
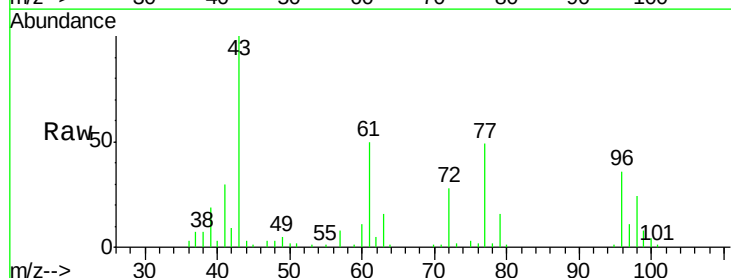
Acq: 4 Feb 2020 13:04

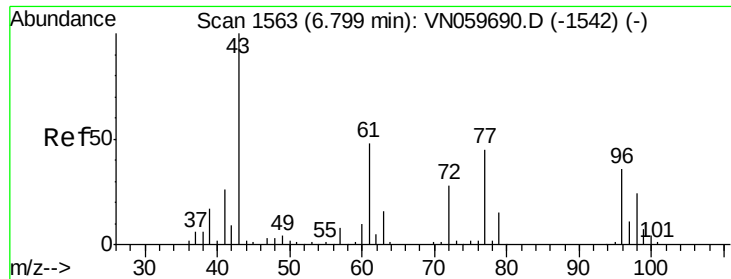
Tgt Ion: 77 Resp: 58207

Ion Ratio Lower Upper

77 100

97 23.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.211 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

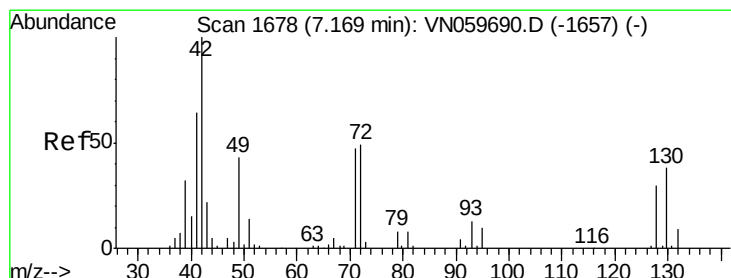
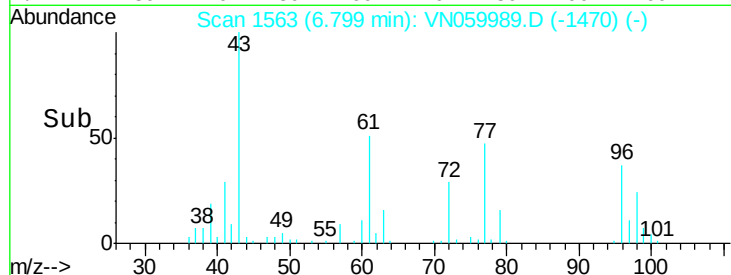
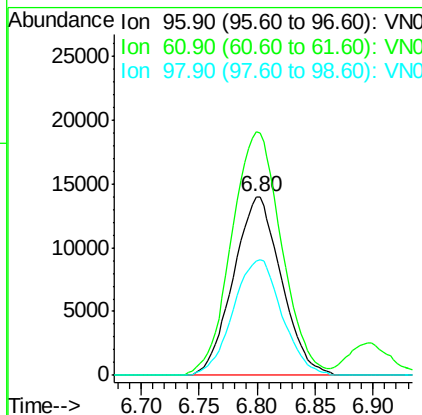
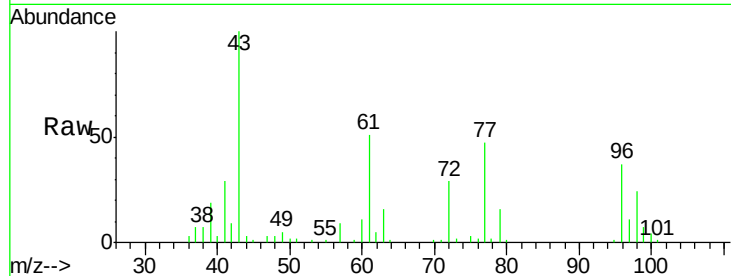
ClientSampled :

VN0204MBS01

Tot Ion:	96	Resp:	40189
Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	317.6
98	65.9	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 21.490 ug/l

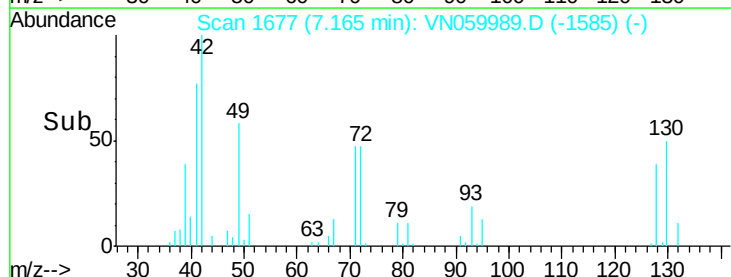
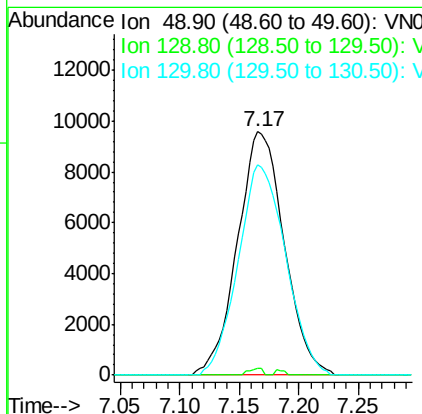
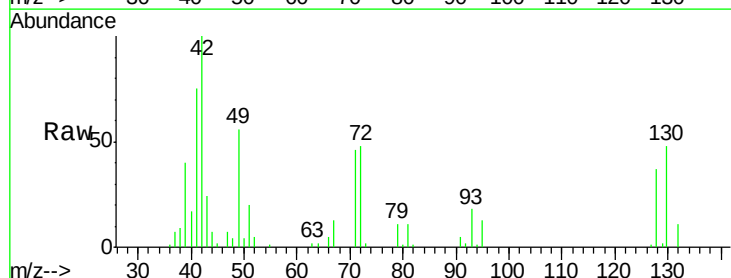
RT: 7.17 min Scan# 1677

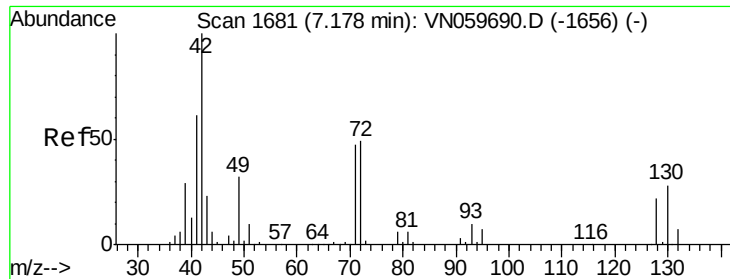
Delta R.T. -0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion:	49	Resp:	26073
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.4
130	87.9	54.7	82.1#





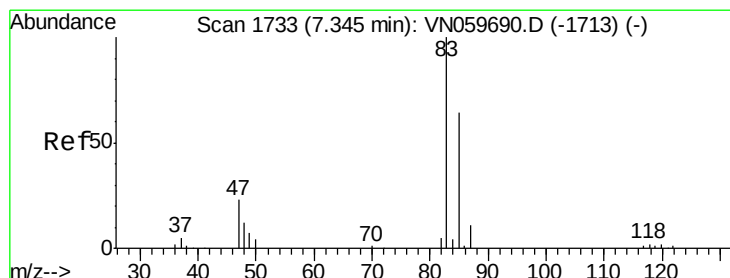
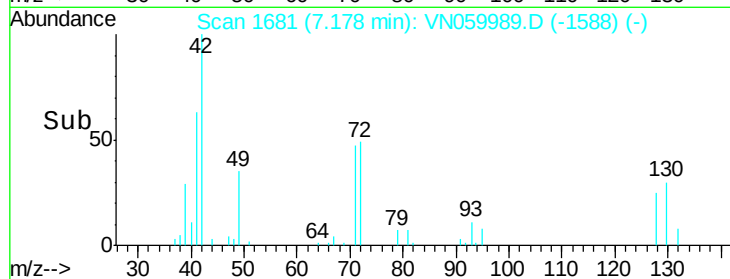
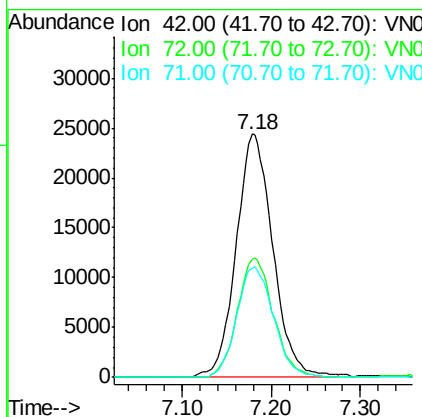
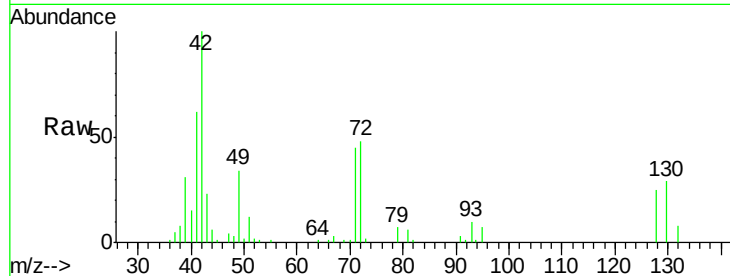
#29
Tetrahydrofuran
Concen: 100.699 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.0	33.1	49.7
71	45.5	31.4	47.0

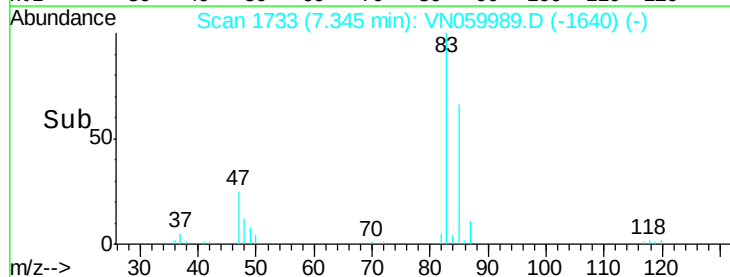
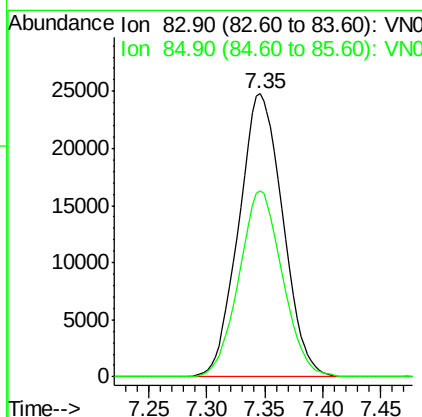
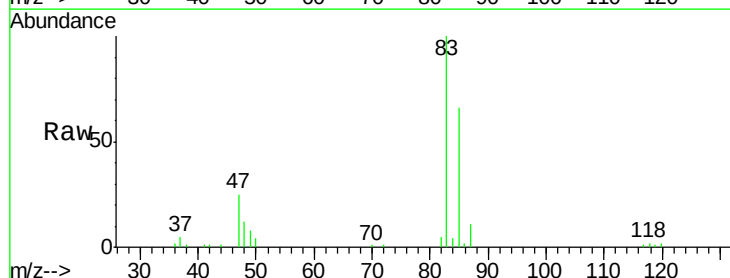
Manual Integrations
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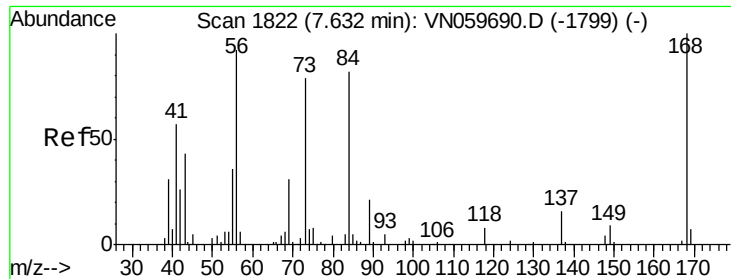
MMDadoda
2/5/2020 12:21:06 PM



#30
Chloroform
Concen: 20.796 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.4	78.6





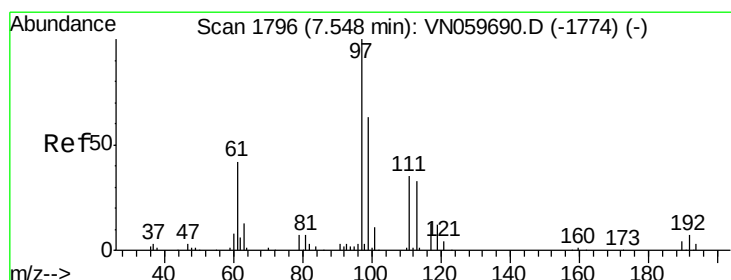
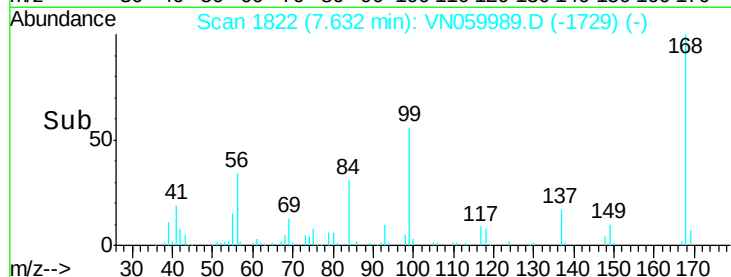
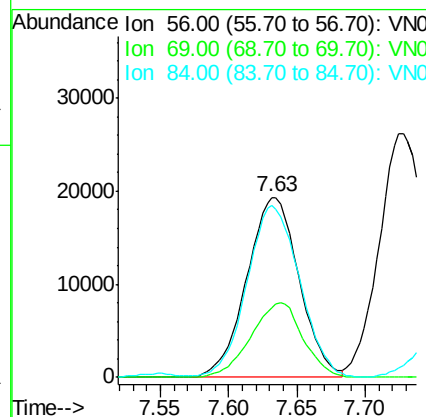
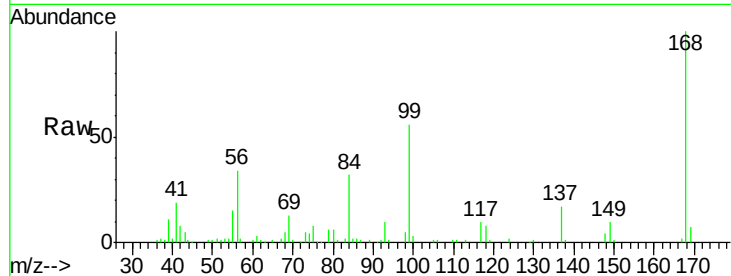
#31
Cyclohexane
Concen: 17.638 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	26.5	39.7
84	94.4	65.3	97.9

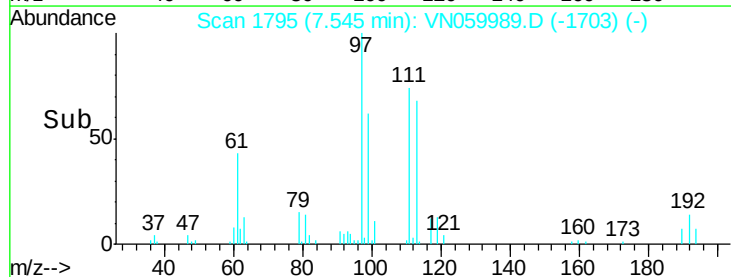
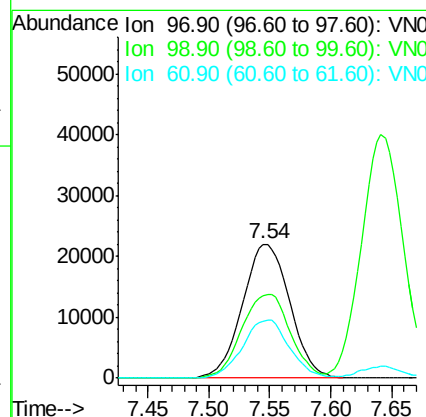
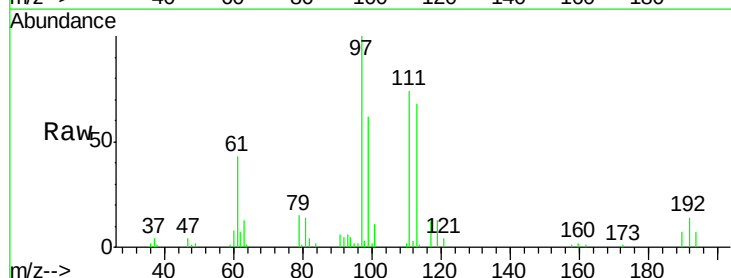
Manual Integrations
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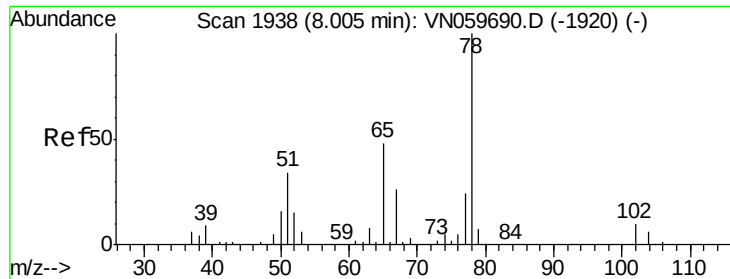
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.295 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	43.0	38.5	57.7





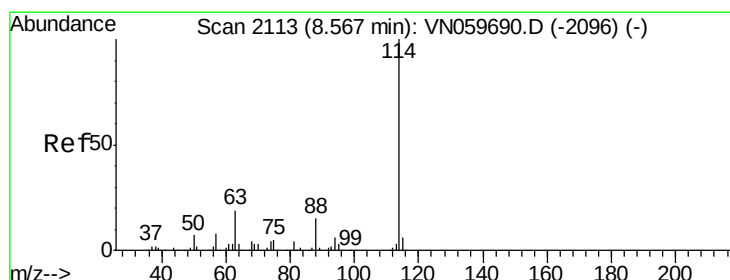
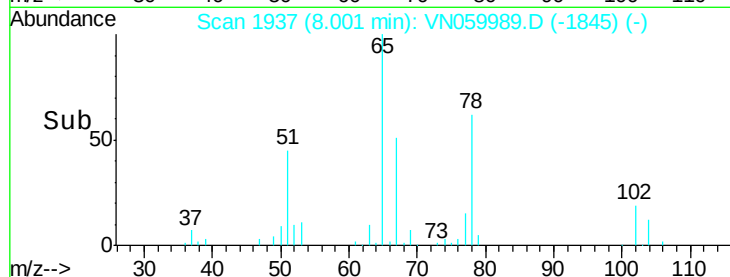
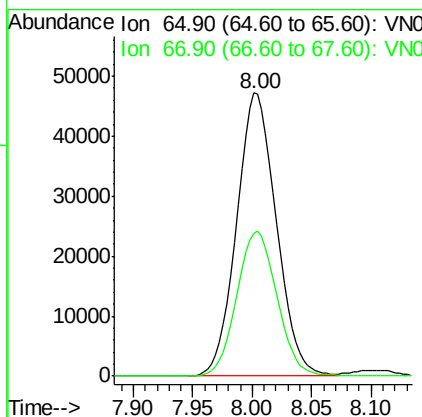
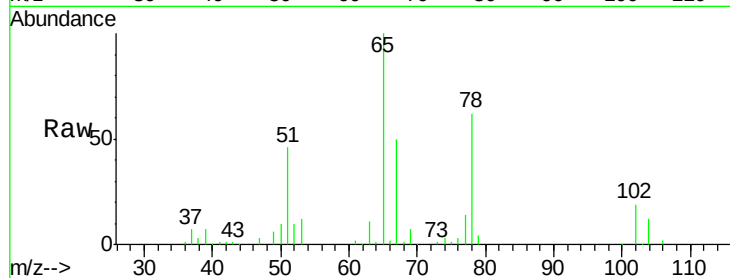
#33
 1,2-Dichloroethane-d4
 Concen: 55.409 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109389		
67	51.6	0.0	103.0	

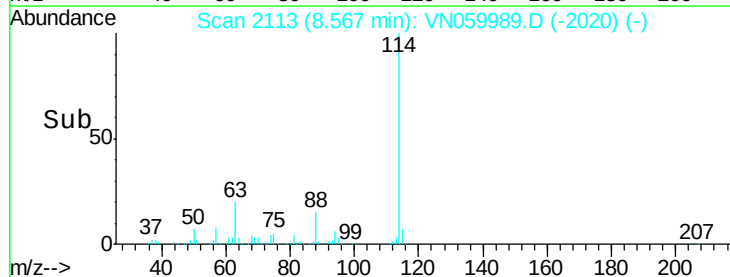
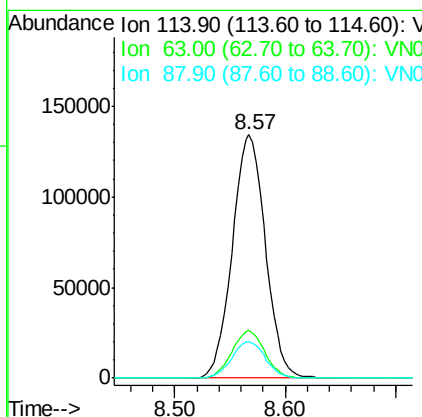
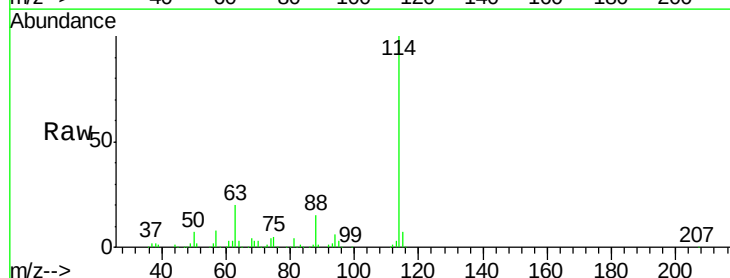
Manual Integrations
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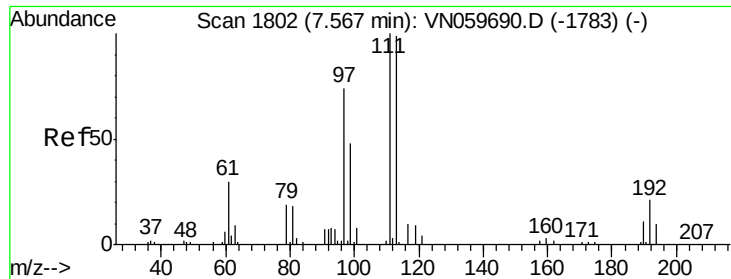
MMDadoda
 2/5/2020 12:21:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	278985		
63	19.6	0.0	43.6	
88	14.8	0.0	31.4	





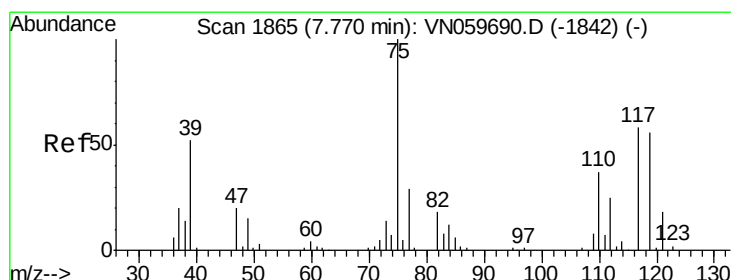
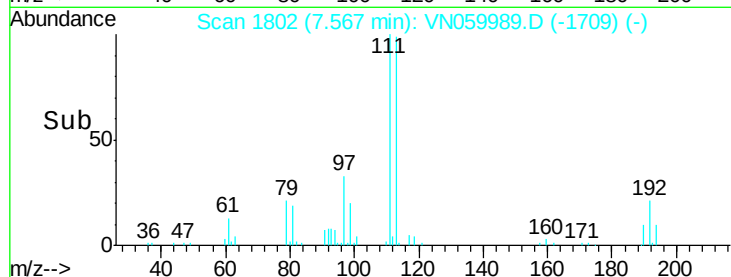
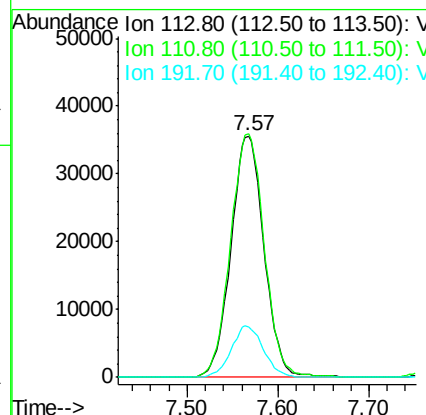
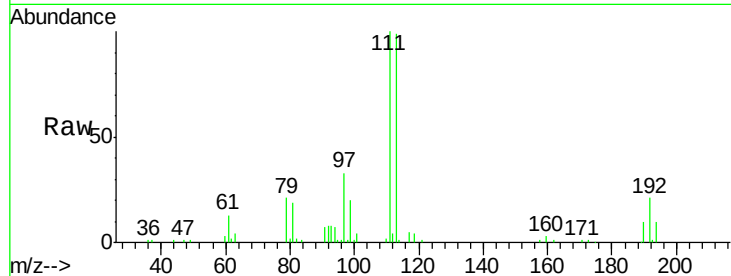
#35
 Dibromofluoromethane
 Concen: 53.933 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	89729		
111	102.8		83.5	125.3
192	20.6		15.4	23.2

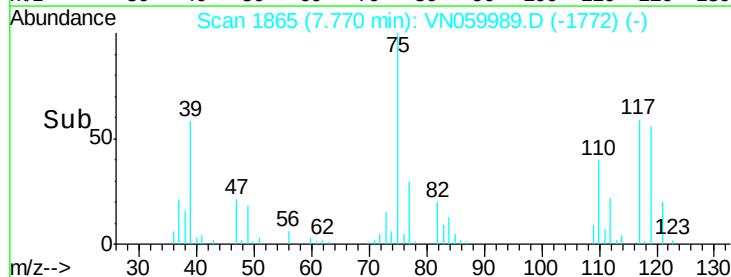
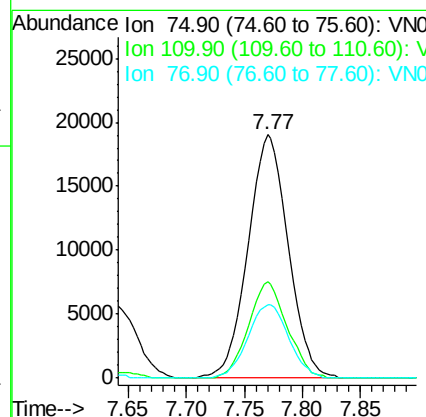
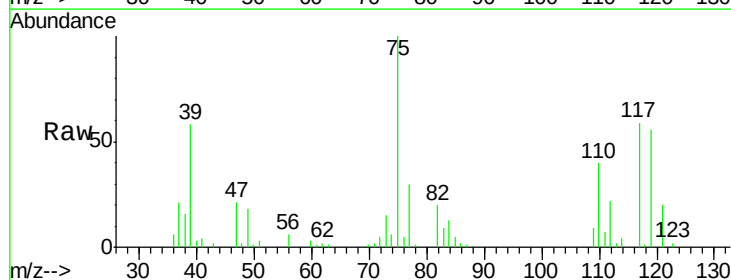
Manual Integrations
 APPROVED

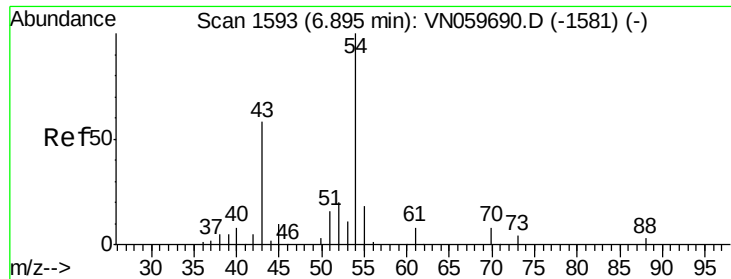
MMDadoda
 2/5/2020 12:21:06 PM



#36
 1,1-Dichloropropene
 Concen: 18.925 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45978		
110	37.8		16.6	49.7
77	30.7		25.1	37.7





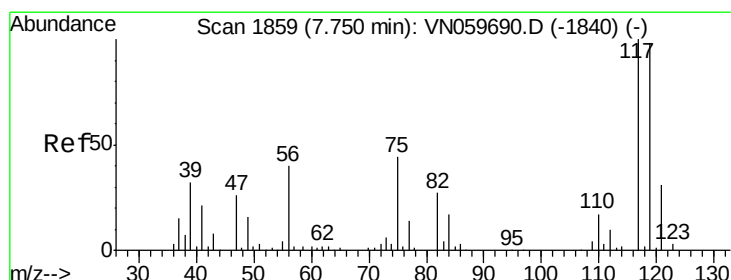
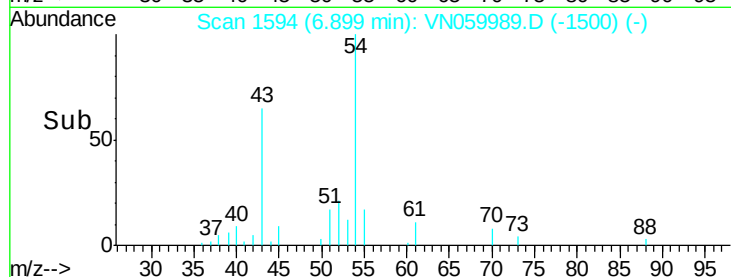
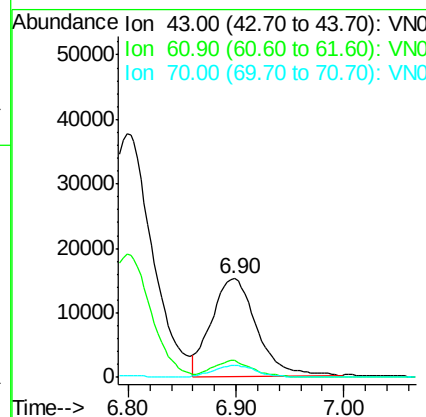
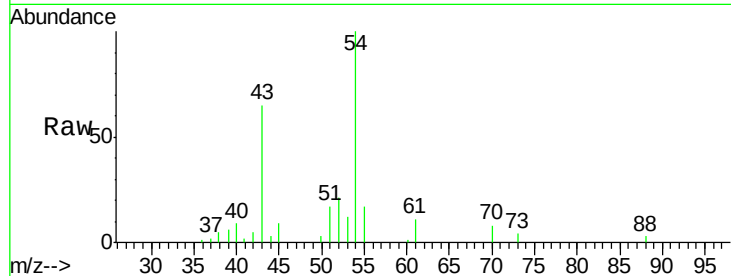
#37
Ethyl Acetate
Concen: 19.216 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion	43	61	70
Resp	43787	15.3	11.7
Lower		10.9	7.7
Upper		16.3	11.5#

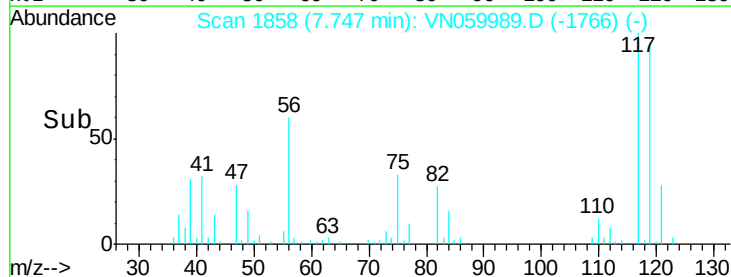
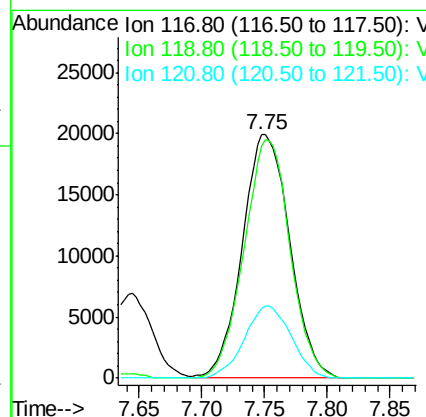
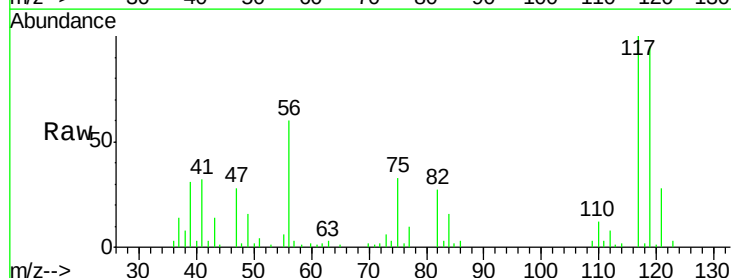
Manual Integrations
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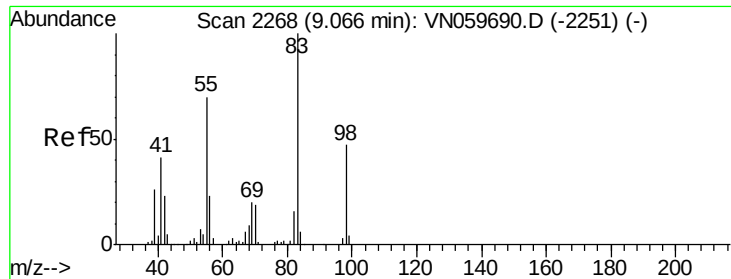
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#38
Carbon Tetrachloride
Concen: 19.839 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	117	119	121
Resp	52431	95.4	28.4
Lower		76.5	25.1
Upper		114.7	37.7





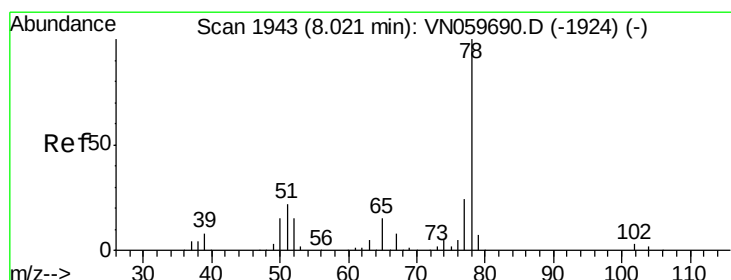
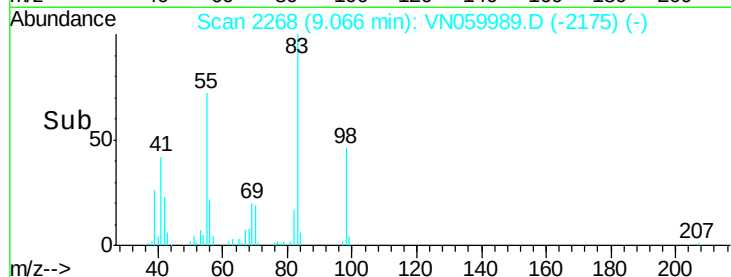
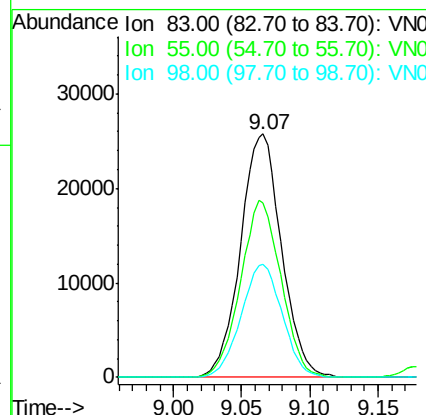
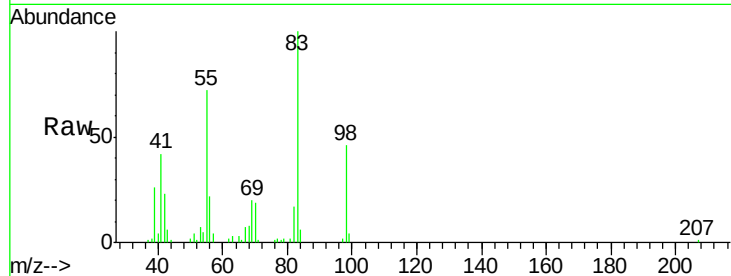
#39
Methylvlcyclohexane
Concen: 17.927 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.5	64.2	96.2
98	46.2	35.9	53.9

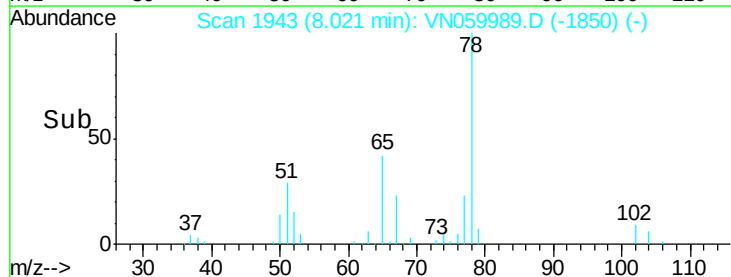
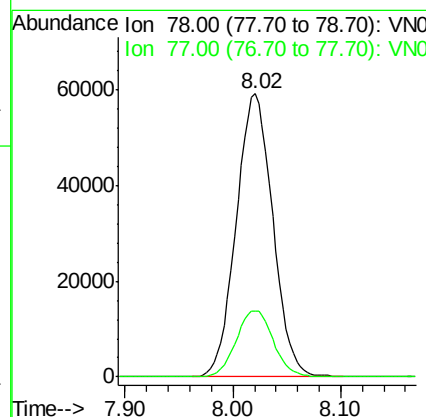
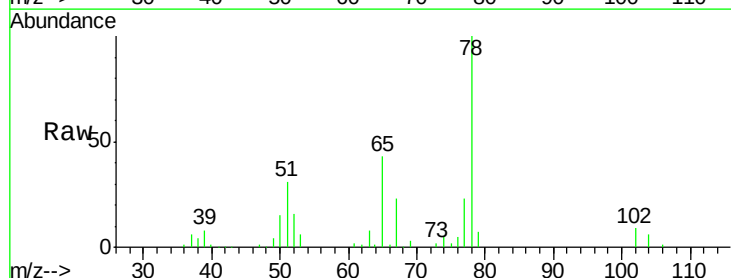
Manual Integrations
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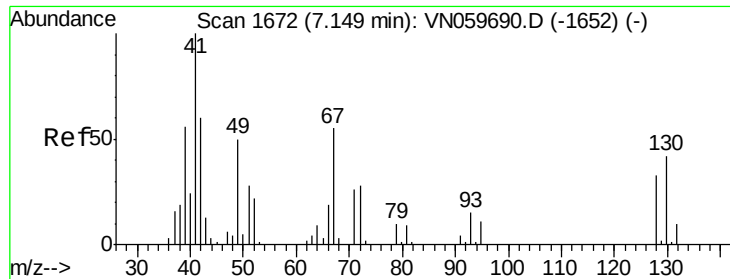
MMDadoda
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#40
Benzene
Concen: 19.277 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3





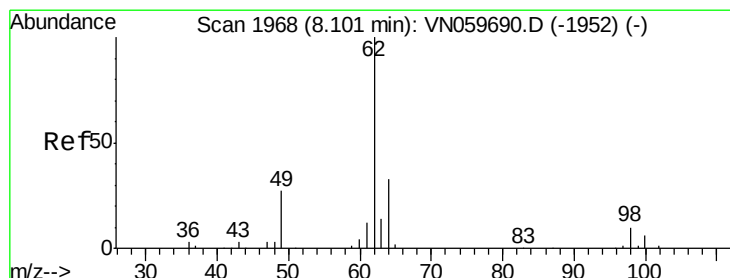
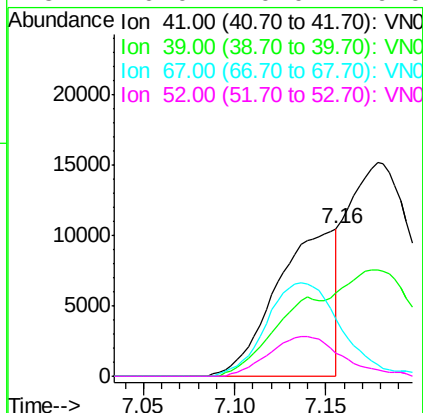
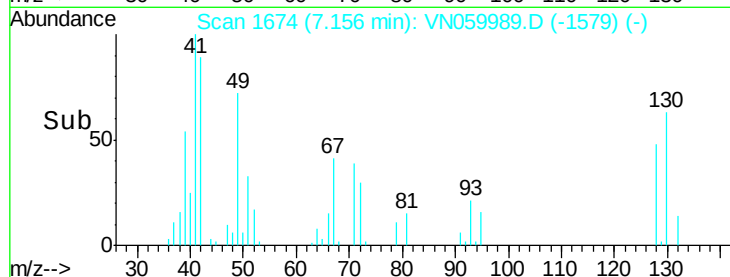
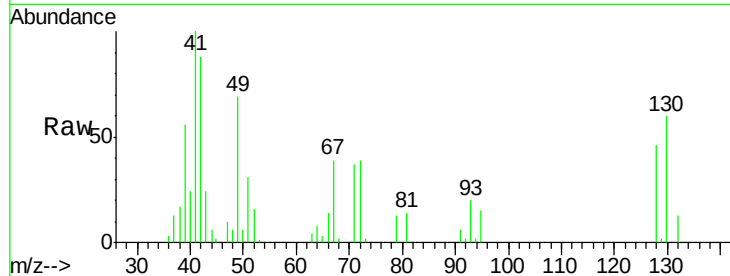
#41
Methacrylonitrile
Concen: 21.258 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.01 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

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

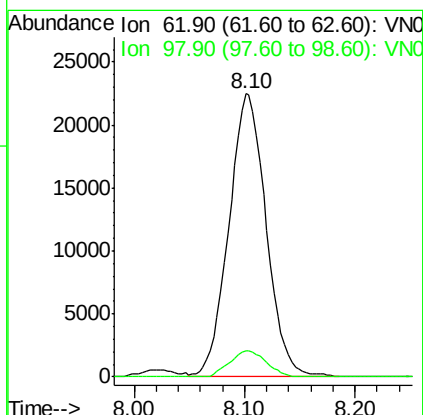
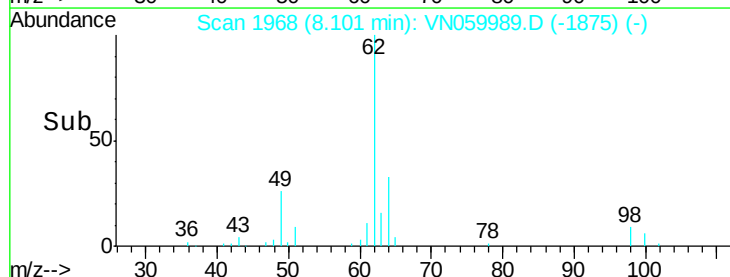
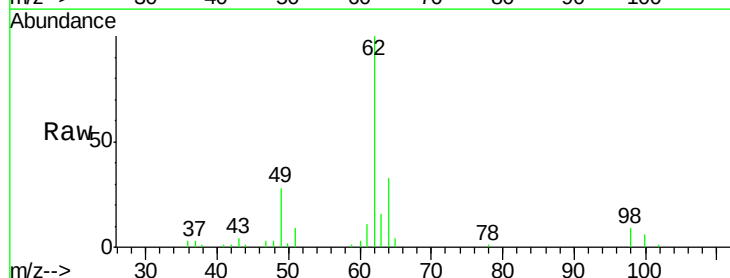
Manual Integrations
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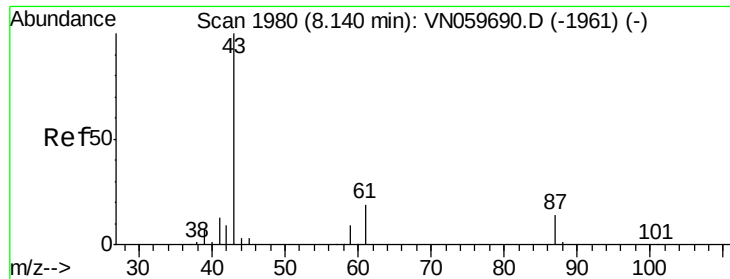
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.418 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





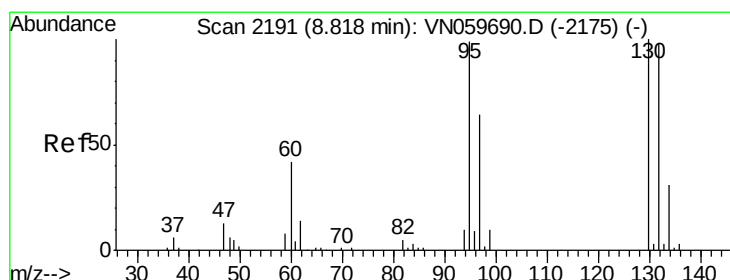
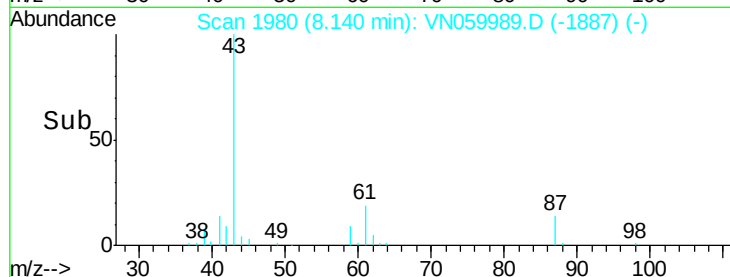
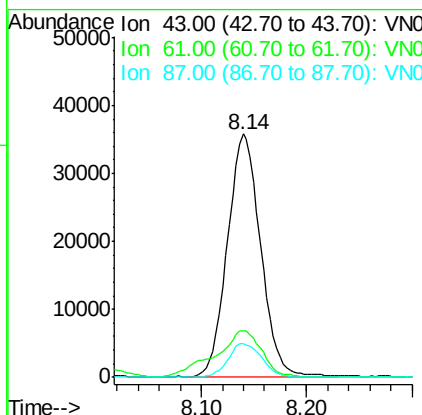
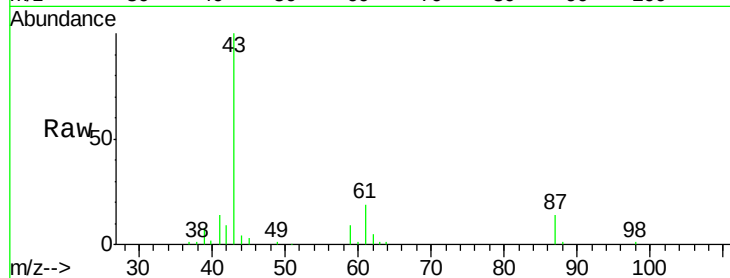
#43
Isopropyl Acetate
Concen: 20.021 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	43	61	87
Resp	78469		
Ratio	100	26.8	13.9
Lower		20.2	9.5
Upper		30.2	14.3

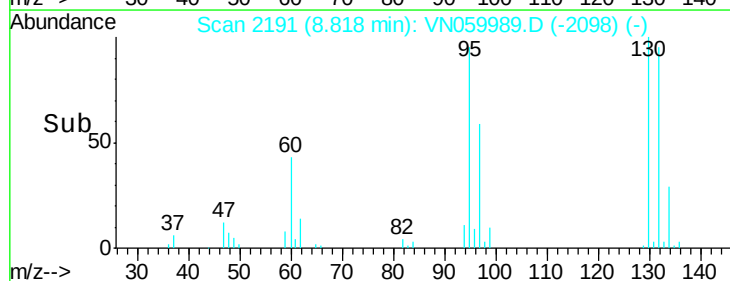
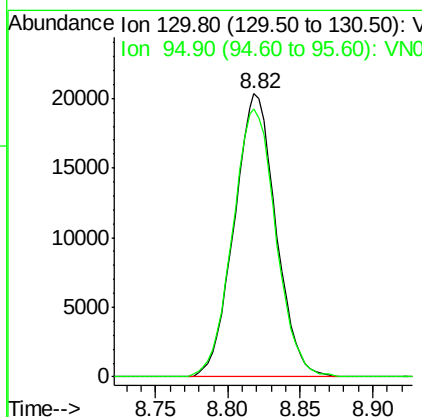
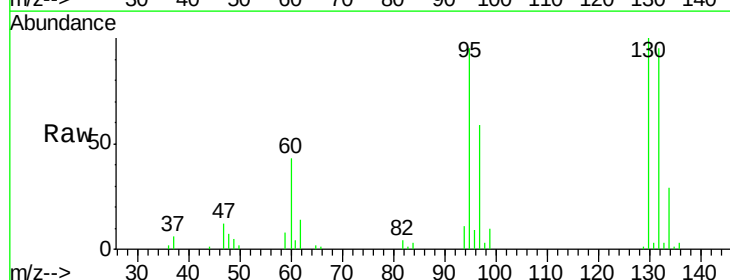
Manual Integrations
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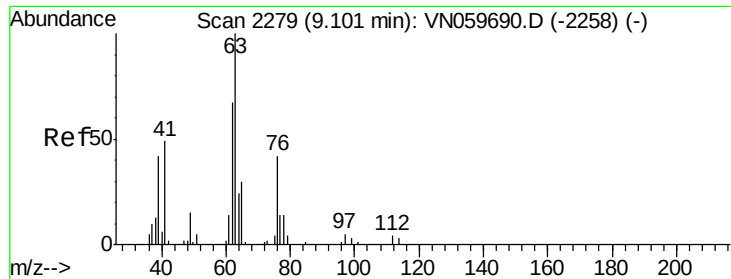
MMDadoda
2/5/2020 12:21:06 PM



#44
Trichloroethene
Concen: 20.552 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	130	95
Resp	40652	
Ratio	100	94.8
Lower		0.0
Upper		207.0





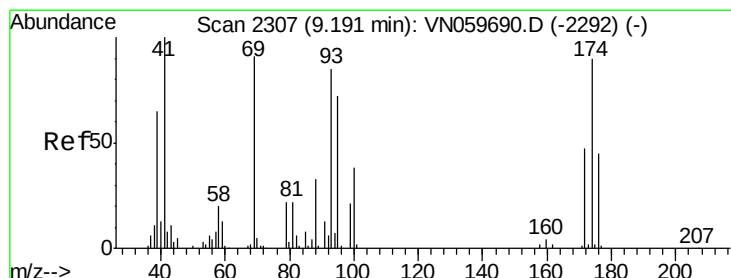
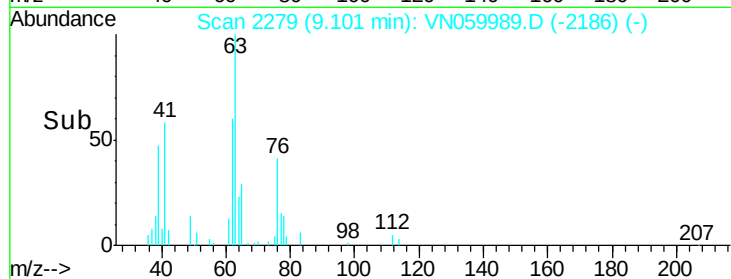
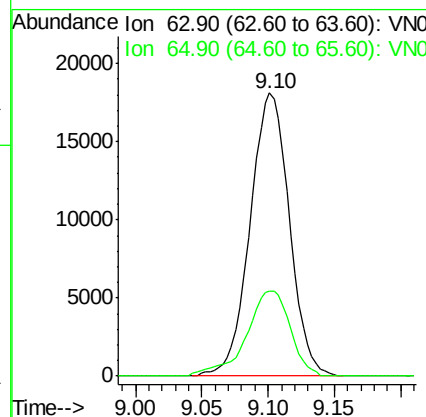
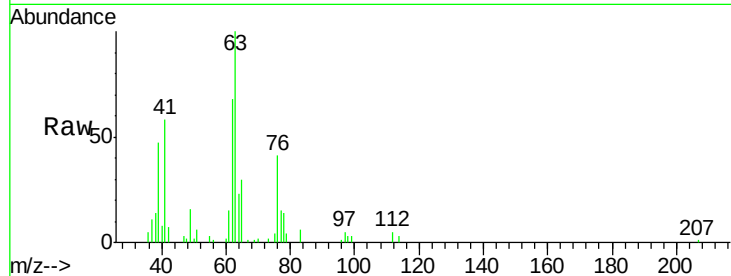
#45
 1,2-Dichloropropane
 Concen: 20.863 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

Tot Ion: 63 Resp: 37406
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.9 37.3

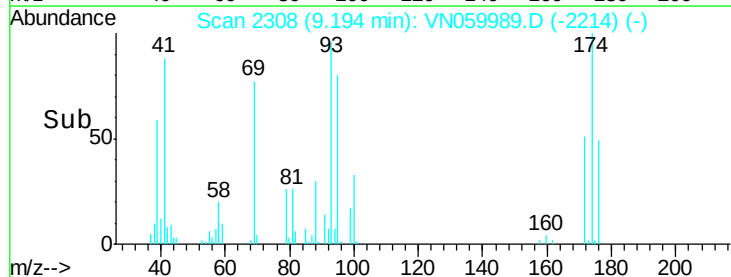
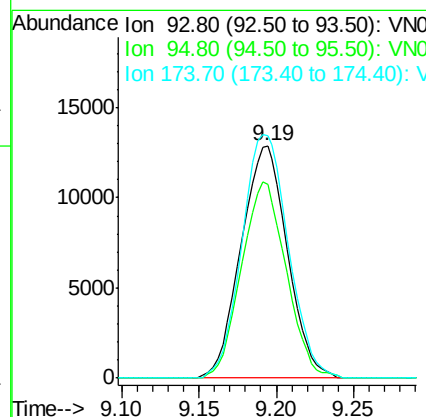
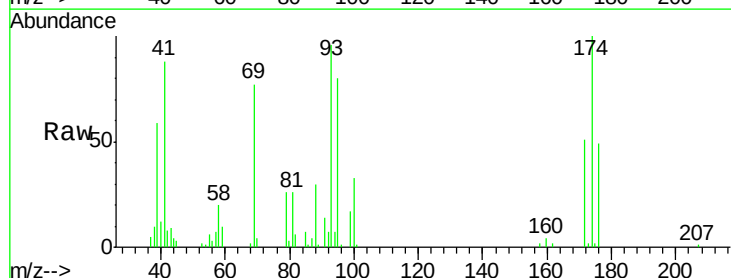
Manual Integrations
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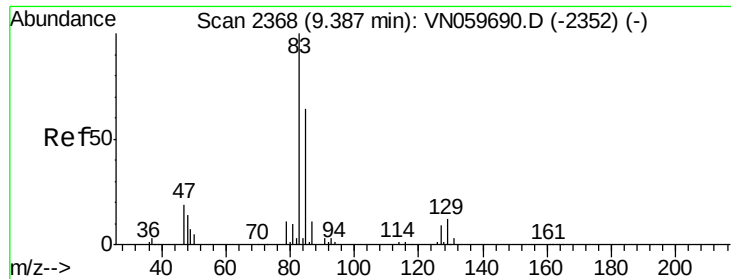
MMDadoda
 2/5/2020 12:21:06 PM



#46
 Dibromomethane
 Concen: 21.224 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion: 93 Resp: 26843
 Ion Ratio Lower Upper
 93 100
 95 81.3 67.0 100.6
 174 104.9 73.4 110.2





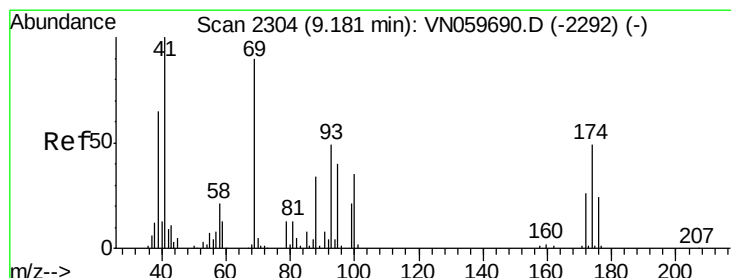
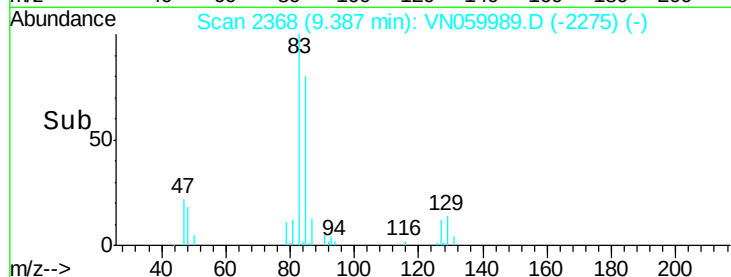
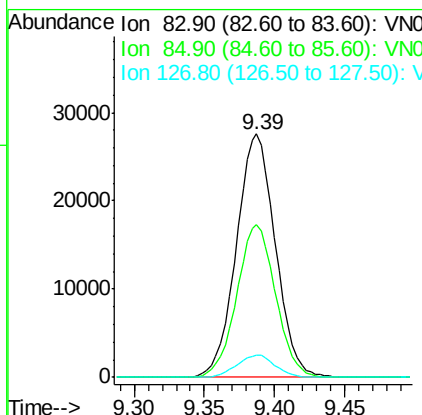
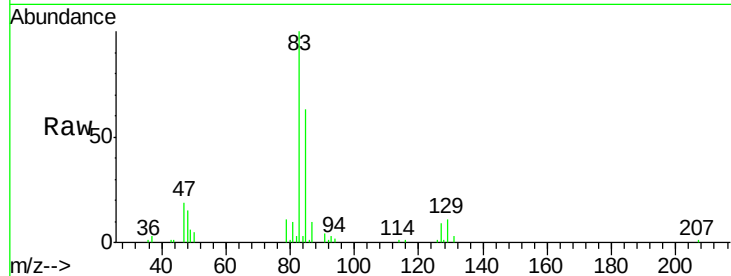
#47
Bromodichloromethane
Concen: 20.913 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	83	Resp	53300
Ion Ratio	100	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	9.2	6.6	9.8

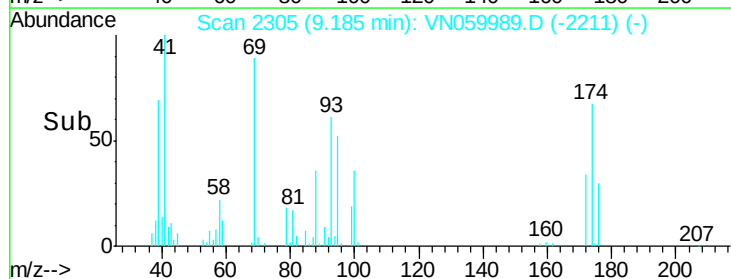
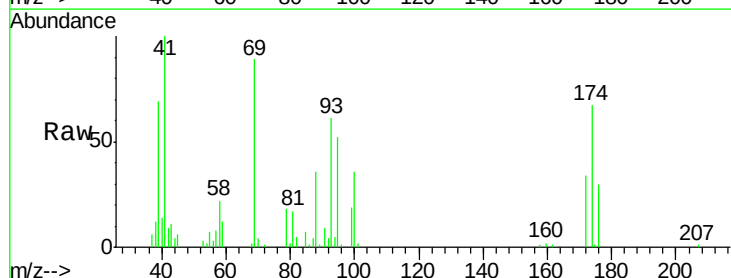
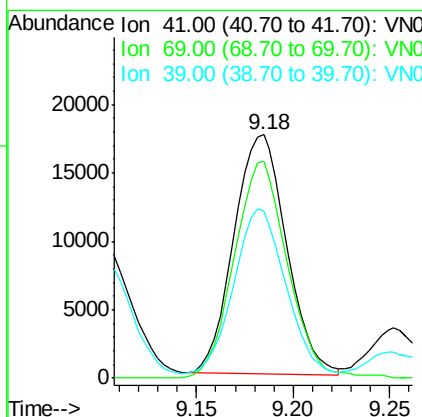
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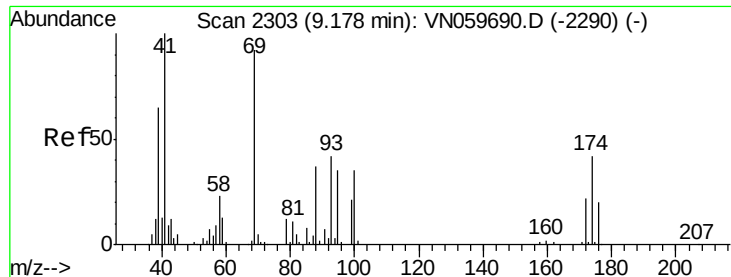
MMDadoda
2/5/2020 12:21:06 PM



#48
Methyl methacrylate
Concen: 18.938 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	41	Resp	33201
Ion Ratio	100	Lower	Upper
41	100		
69	91.7	64.4	96.6
39	71.7	51.3	76.9





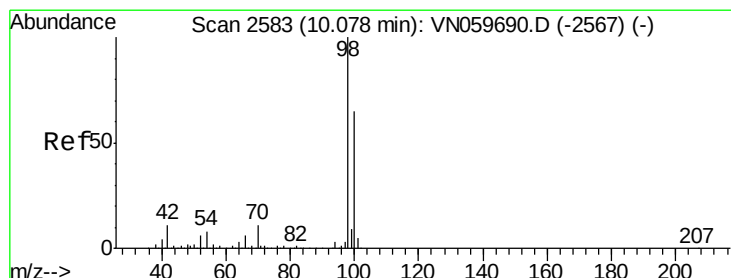
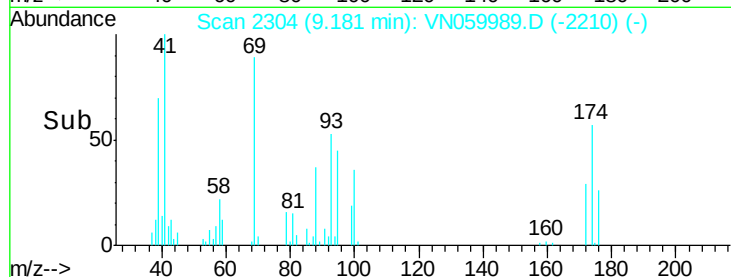
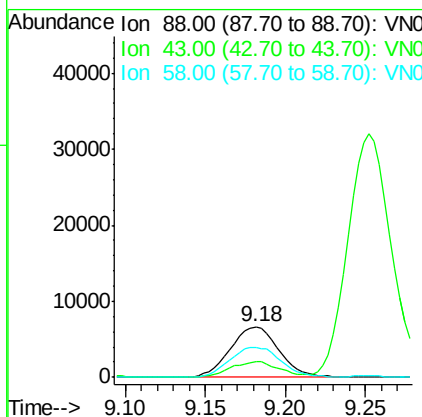
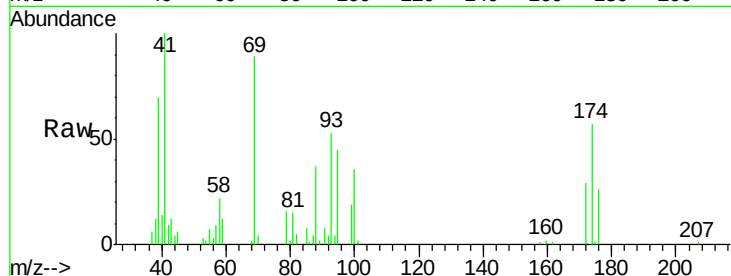
#49
1,4-Dioxane
Concen: 431.769 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	29.7	44.5
58	62.2	56.6	85.0

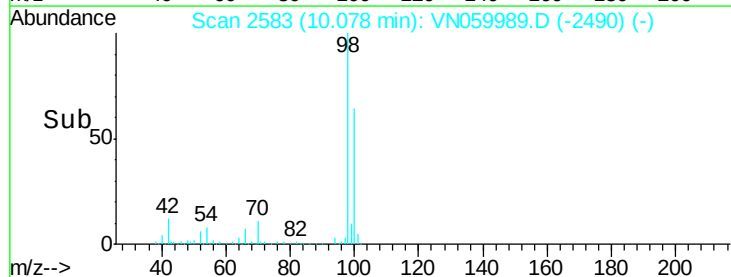
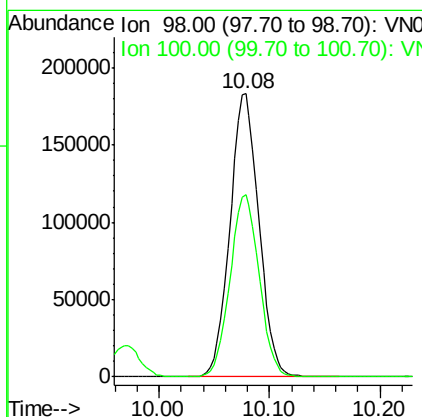
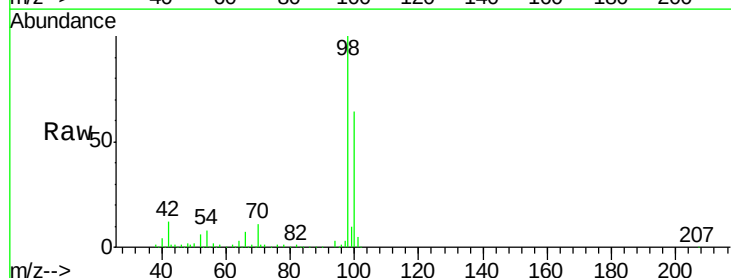
Manual Integrations
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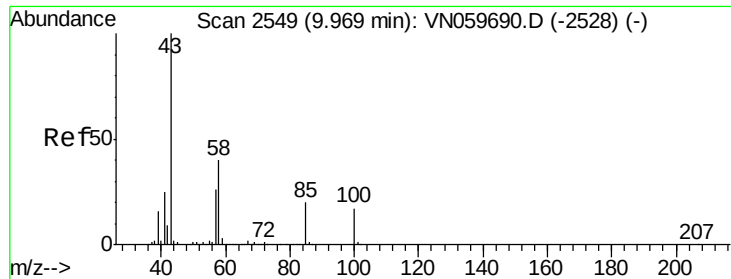
MMDadoda
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#50
Toluene-d8
Concen: 51.642 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 100.549 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

Tot Ion: 43 Resp: 227812

Ion Ratio Lower Upper

43 100

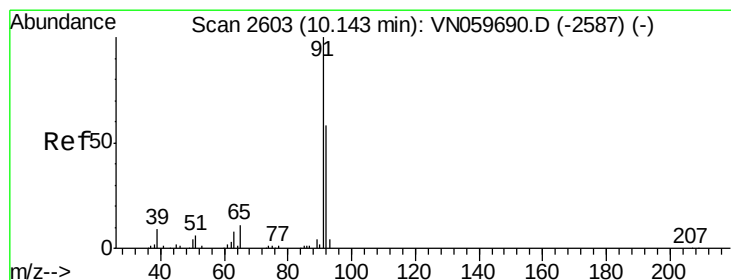
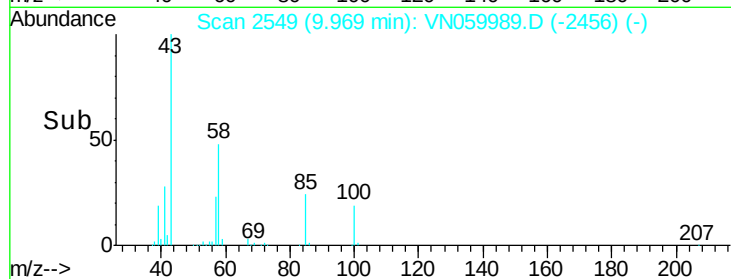
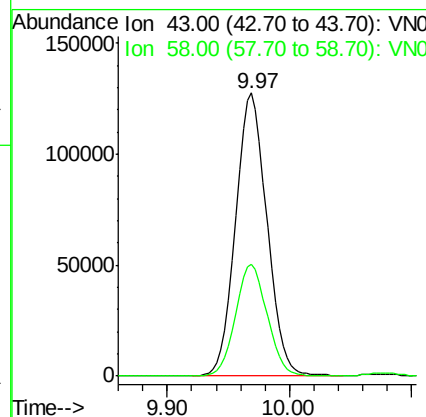
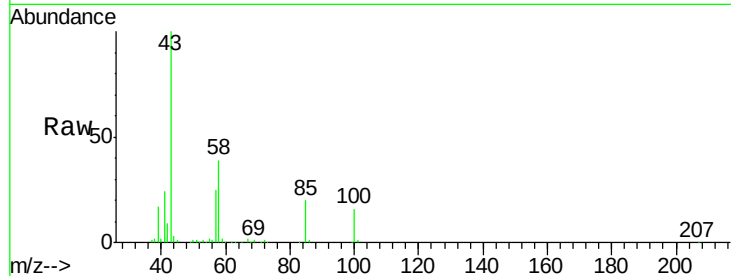
58 39.9 29.8 44.8

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 20.029 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059989.D

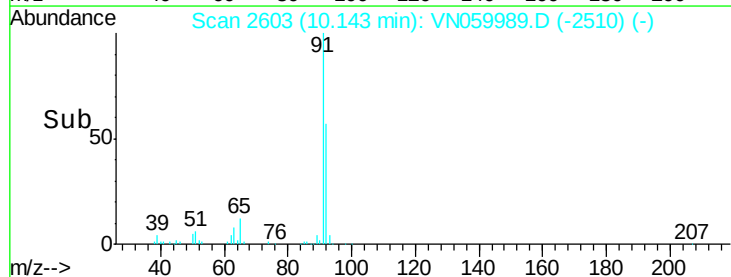
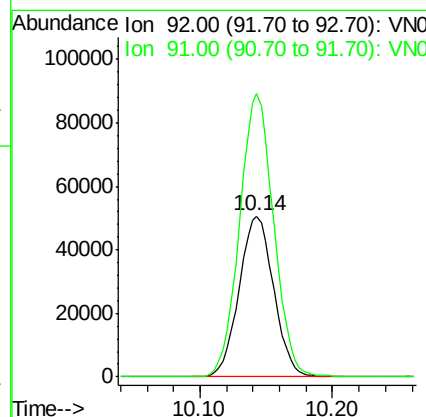
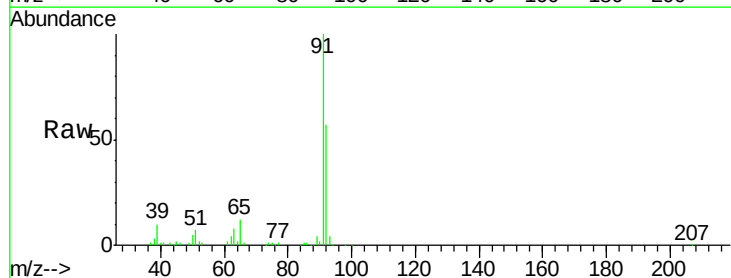
Acq: 4 Feb 2020 13:04

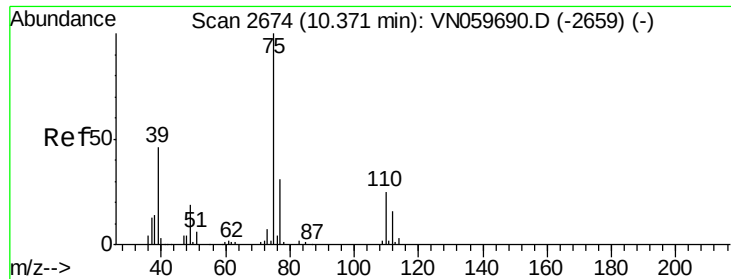
Tgt Ion: 92 Resp: 91667

Ion Ratio Lower Upper

92 100

91 173.7 140.4 210.6





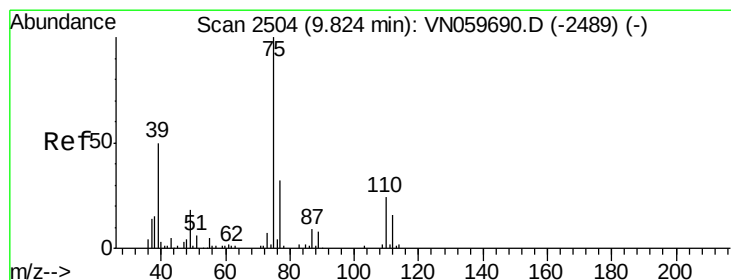
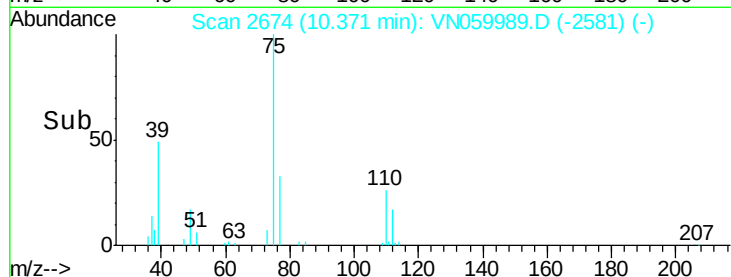
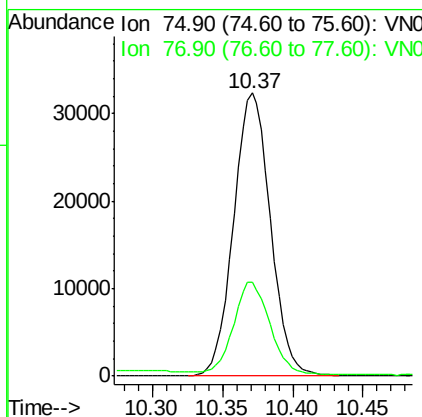
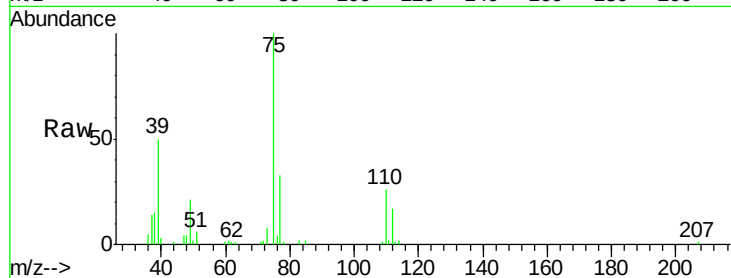
#53
t-1,3-Dichloropropene
Concen: 20.800 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion: 75 Resp: 59194
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2

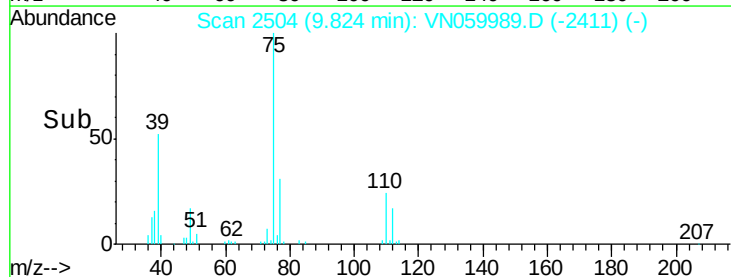
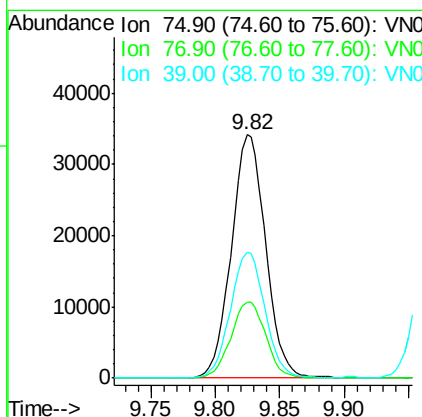
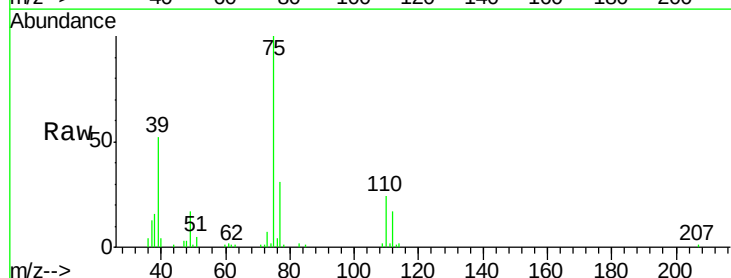
Manual Integrations
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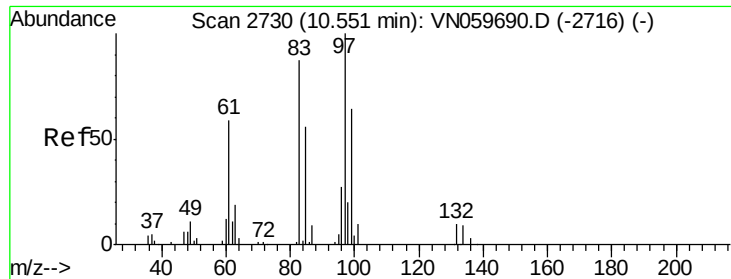
MMDadoda
2/5/2020 12:21:06 PM



#54
cis-1,3-Dichloropropene
Concen: 21.083 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 75 Resp: 63130
Ion Ratio Lower Upper
75 100
77 31.0 25.1 37.7
39 51.6 46.1 69.1





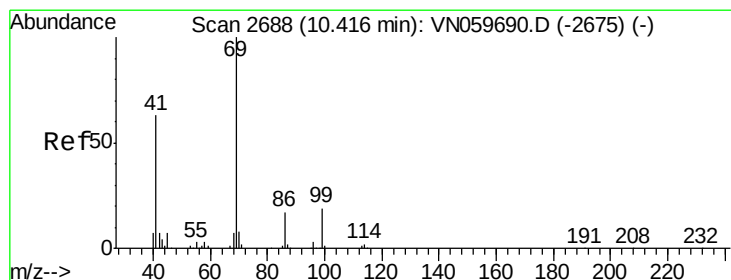
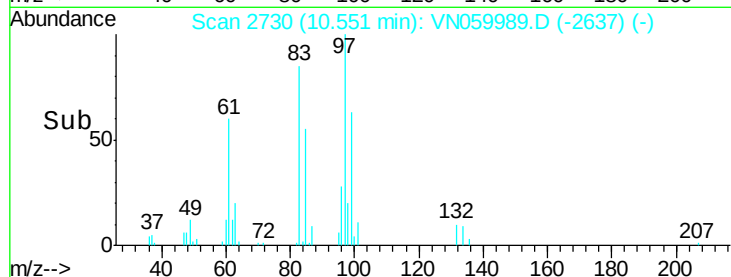
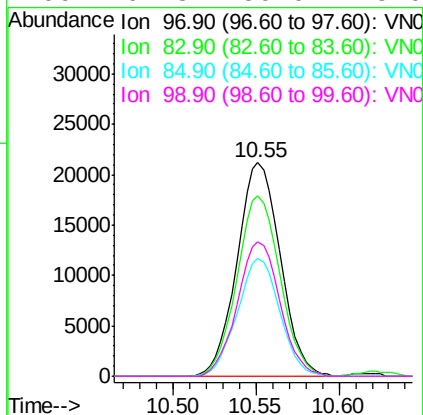
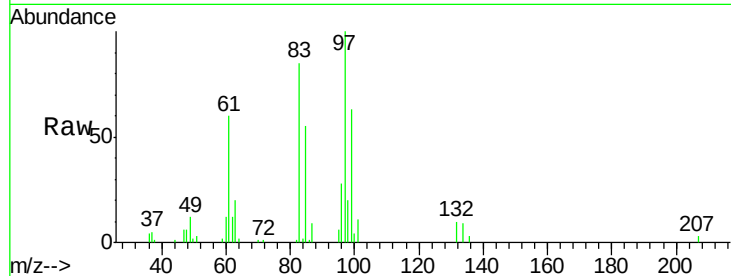
#55
 1,1,2-Trichloroethane
 Concen: 21.243 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Tot Ion:	97	Resp:	38505
Ion	Ratio	Lower	Upper
97	100		
83	84.8	71.3	106.9
85	55.0	45.8	68.8
99	62.8	50.0	75.0

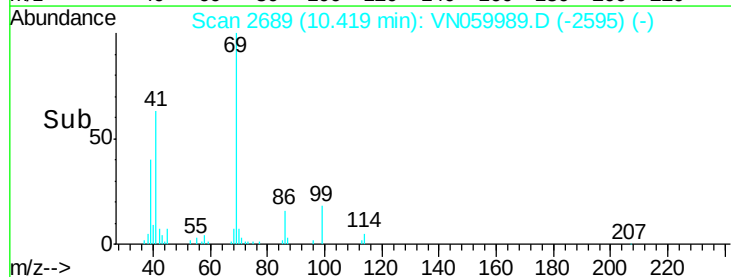
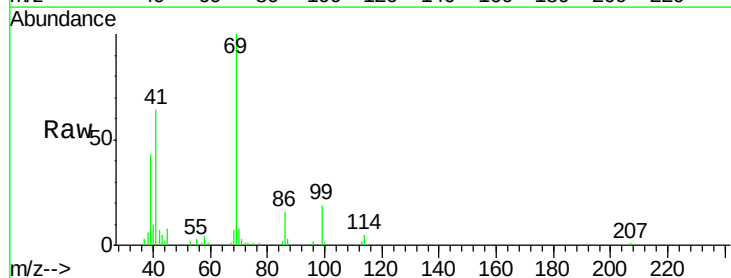
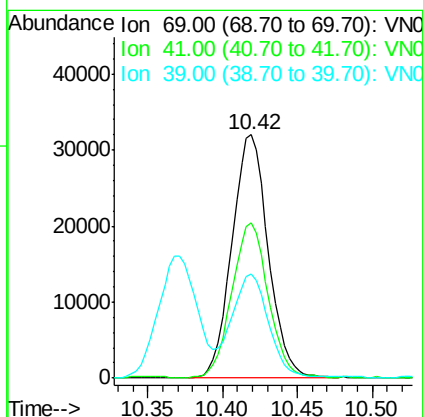
Manual Integrations
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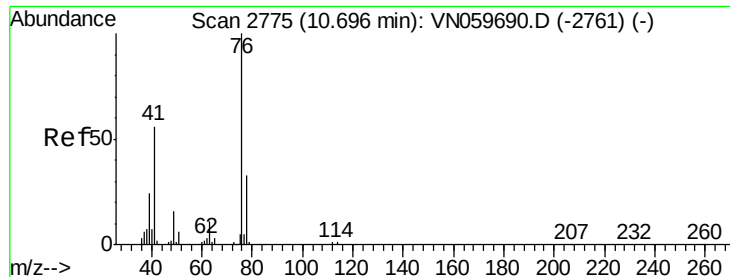
MMDadoda
 2/5/2020 12:21:06 PM



#56
 Ethyl methacrylate
 Concen: 19.523 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion:	69	Resp:	54072
Ion	Ratio	Lower	Upper
69	100		
41	64.2	57.1	85.7
39	44.7	34.7	52.1





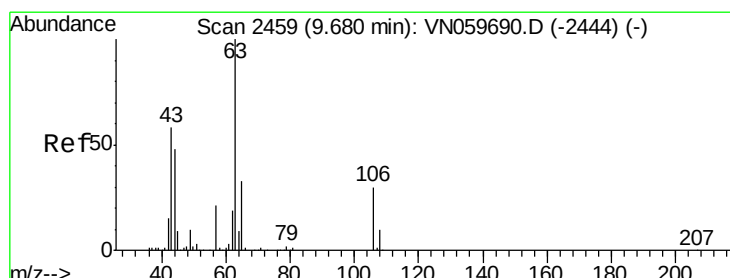
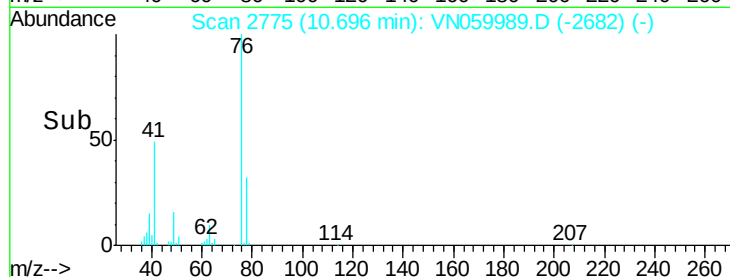
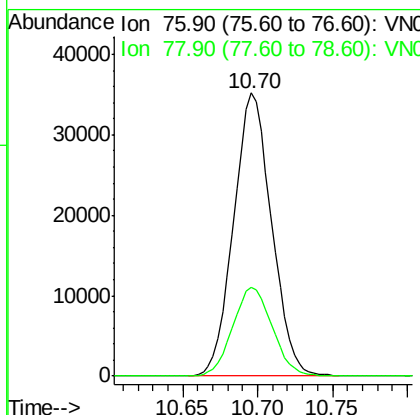
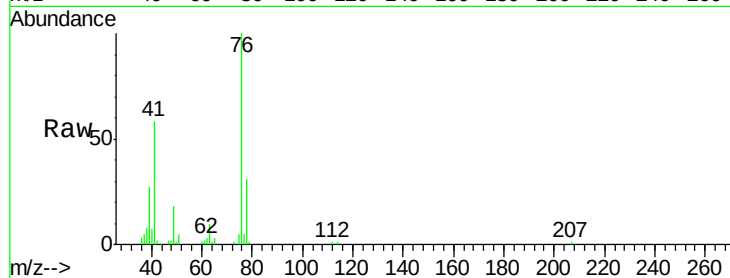
#57
 1,3-Dichloropropane
 Concen: 21.601 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.8	38.8

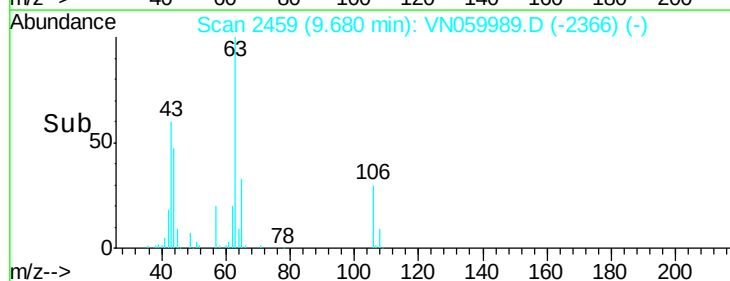
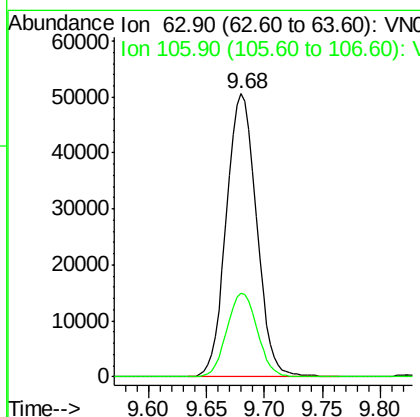
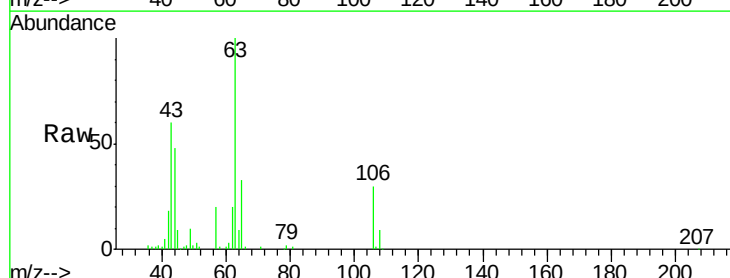
Manual Integrations
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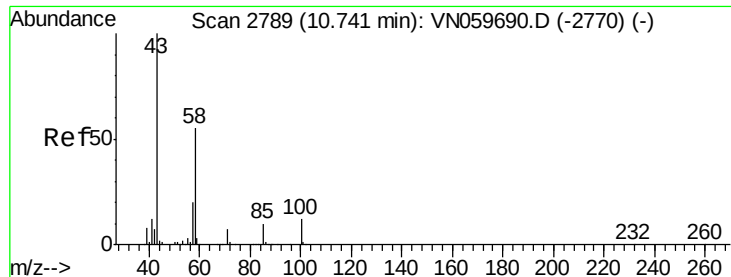
MMDadoda
 2/5/2020 12:21:06 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.215 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	20.2	30.2





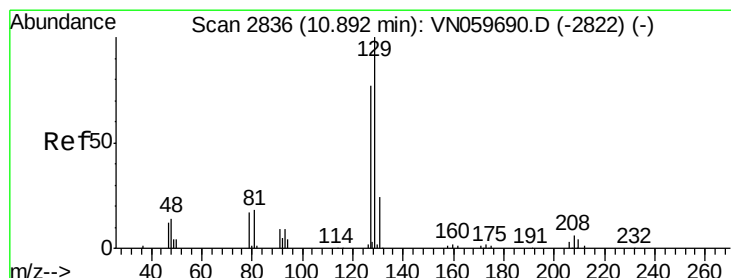
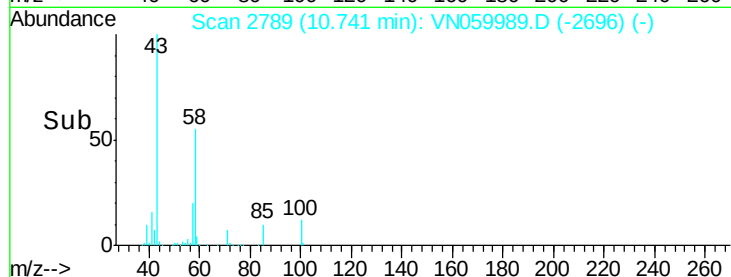
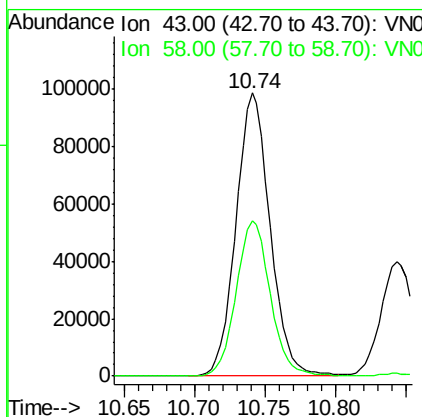
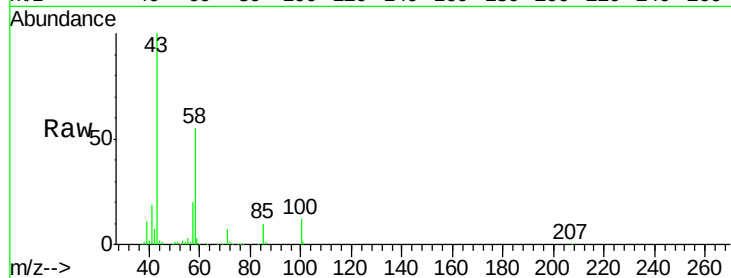
#59
2-Hexanone
Concen: 100.305 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion: 43 Resp: 167423
Ion Ratio Lower Upper
43 100
58 55.0 25.8 77.3

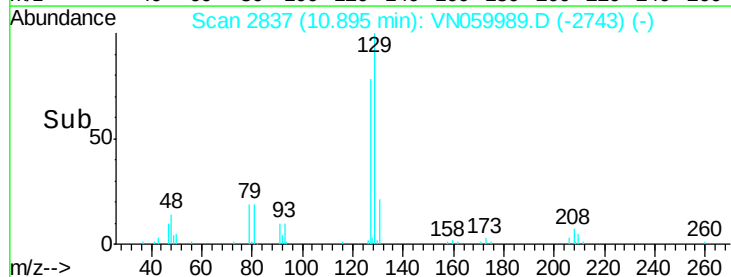
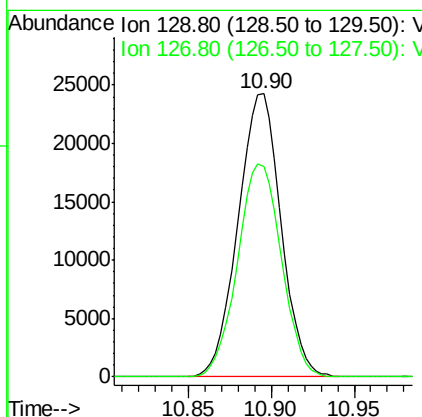
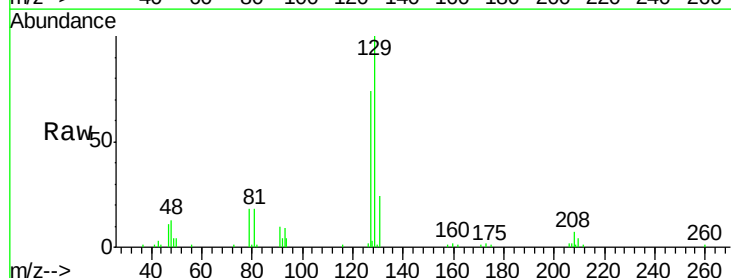
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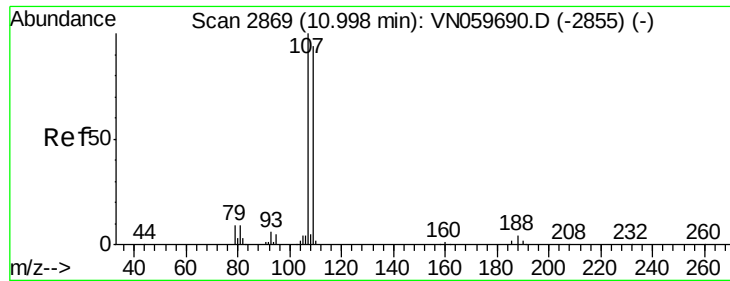
MMDadoda
2/5/2020 12:21:06 PM



#60
Dibromochloromethane
Concen: 21.172 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion: 129 Resp: 43702
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





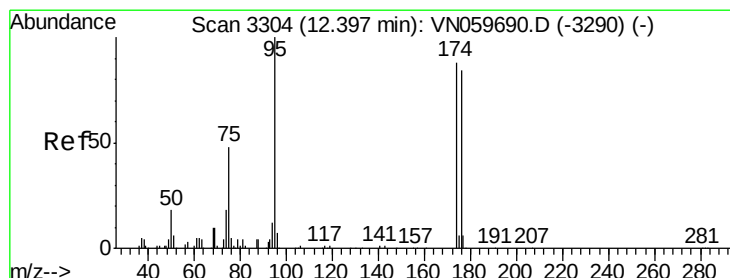
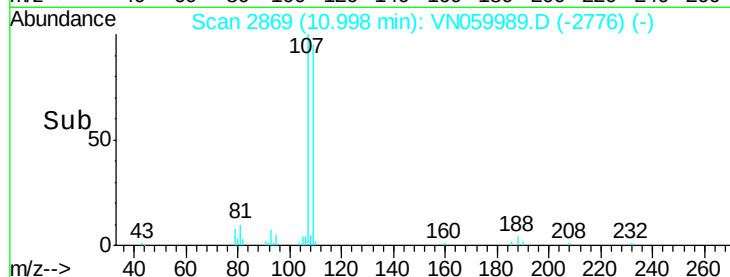
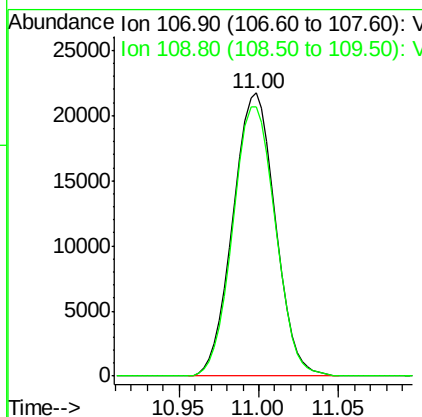
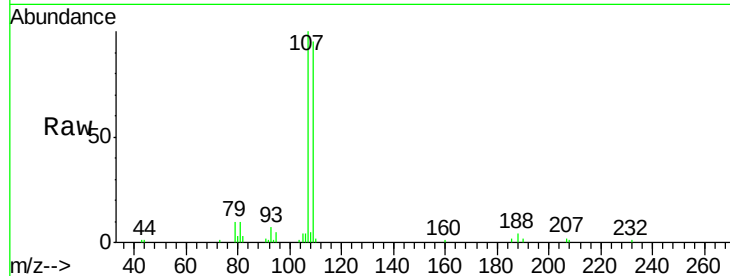
#61
 1,2-Dibromoethane
 Concen: 20.648 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

Tot Ion: 107 Resp: 39228
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.6 115.0

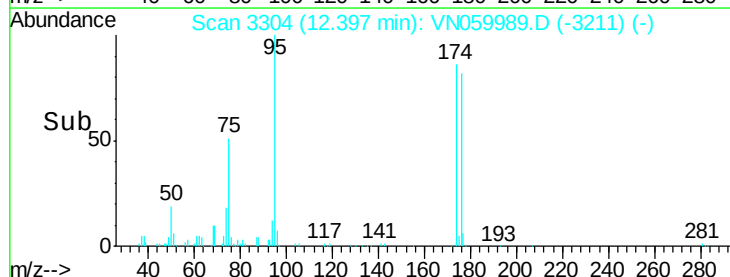
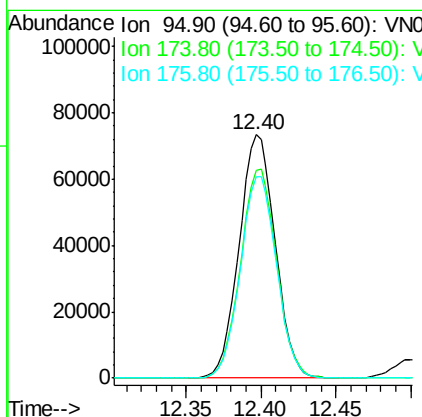
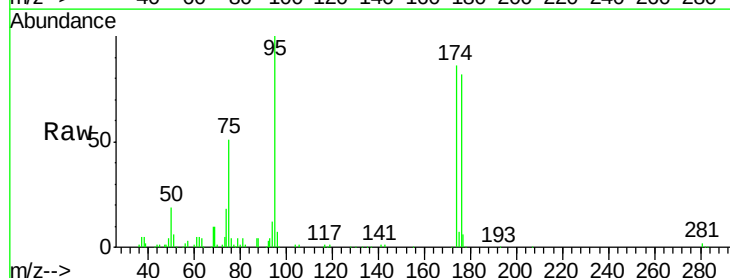
Manual Integrations
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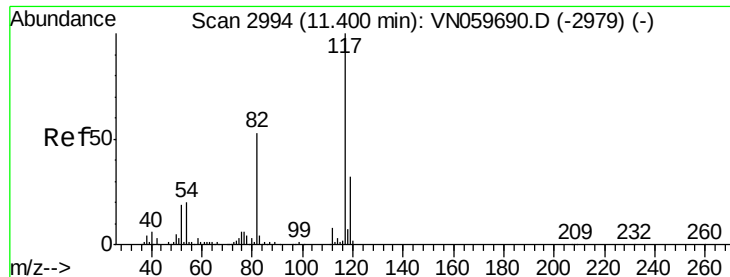
MMDadoda
 2/5/2020 12:21:06 PM



#62
 4-Bromofluorobenzene
 Concen: 53.067 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion: 95 Resp: 123316
 Ion Ratio Lower Upper
 95 100
 174 86.0 0.0 151.4
 176 82.9 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: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

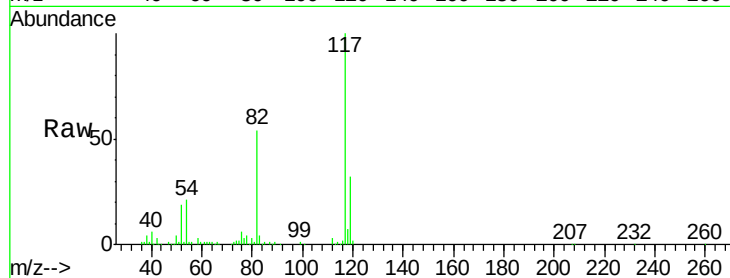
ClientSampleId :

VN0204MBS01

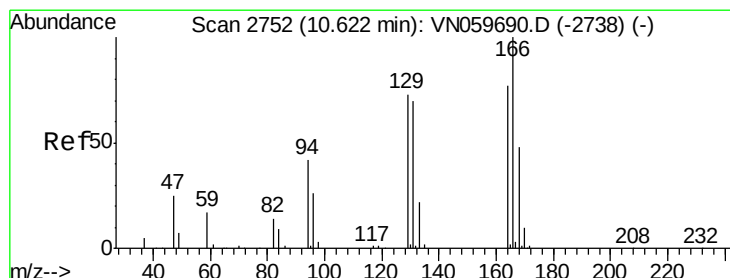
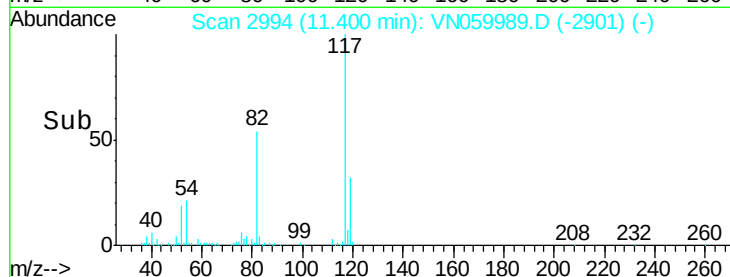
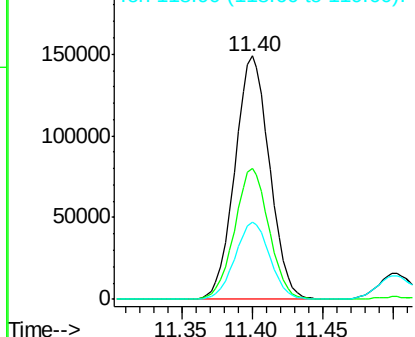
Tot Ion:	117	Resp:	256228
Ion Ratio	Lower	Upper	
117	100		
82	54.0	45.9	68.9
119	31.9	25.5	38.3

Manual Integrations
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Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.104 ug/l

RT: 10.62 min Scan# 2752

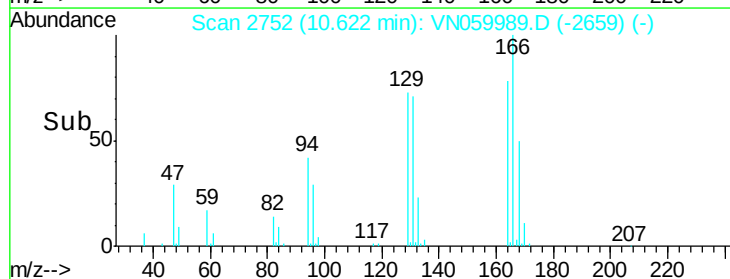
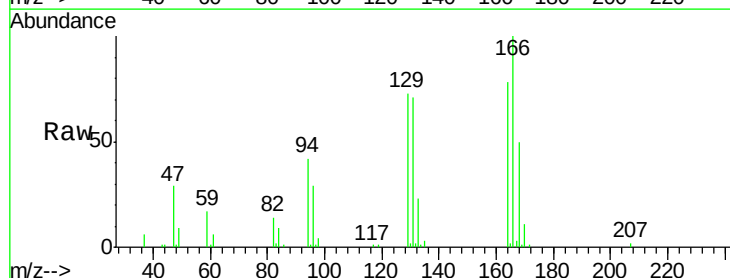
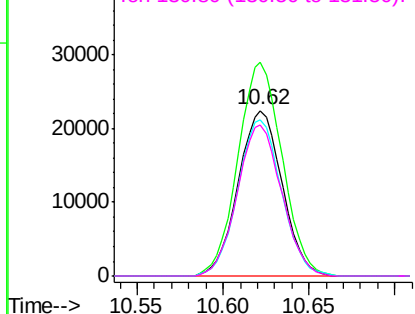
Delta R.T. 0.00 min

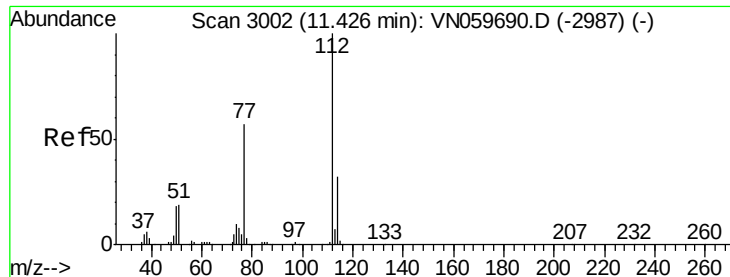
Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion:	164	Resp:	39895
Ion Ratio	Lower	Upper	
164	100		
166	129.0	101.4	152.0
129	94.3	80.2	120.4
131	91.4	75.0	112.4

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





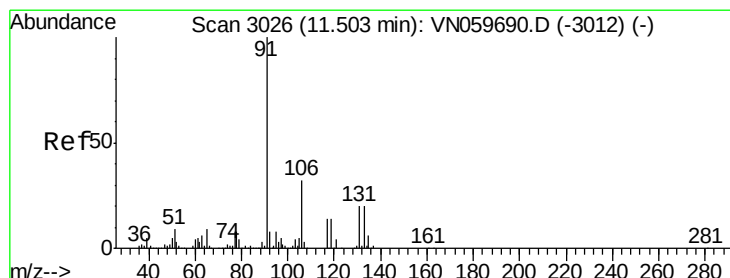
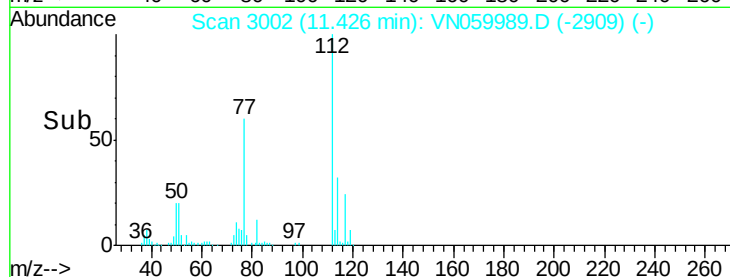
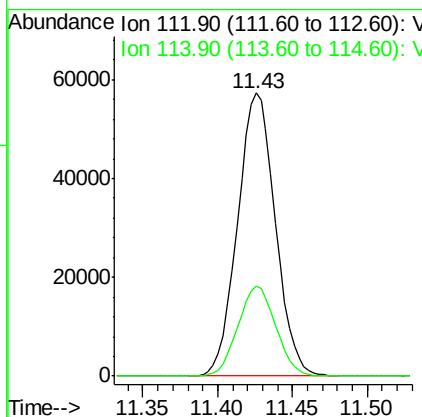
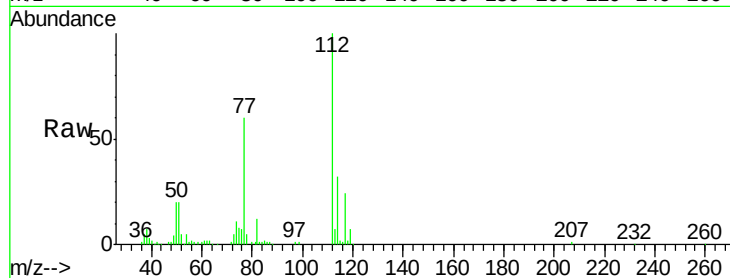
#65
Chlorobenzene
Concen: 19.961 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.8

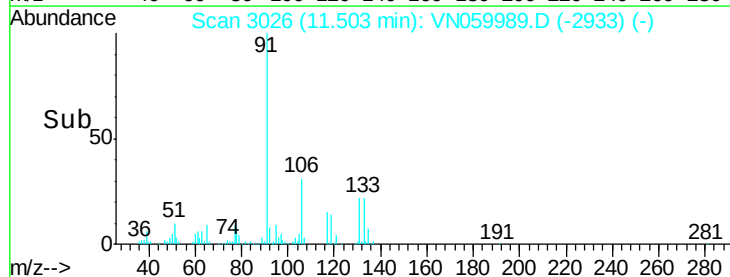
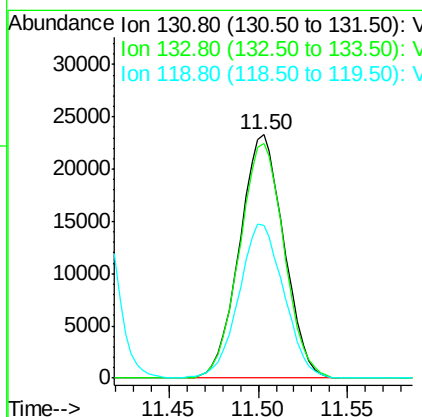
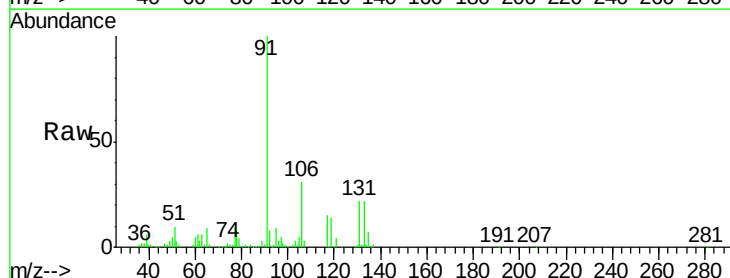
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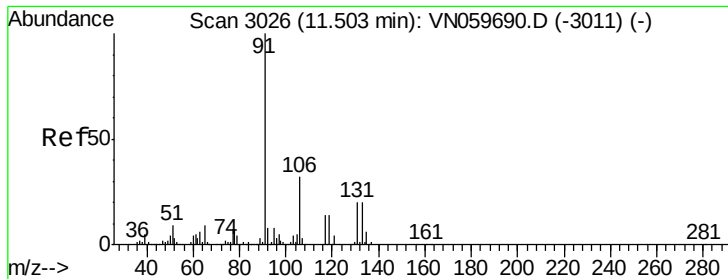
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.808 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.4	142.2
119	64.3	33.1	99.3





#67

Ethyl Benzene

Concen: 19.628 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

Tot Ion: 91 Resp: 179449

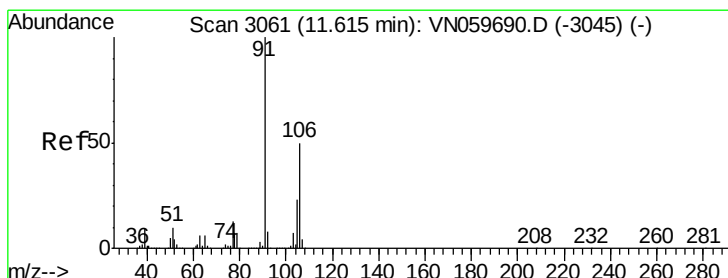
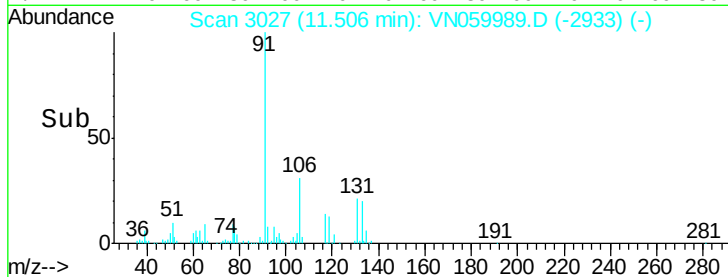
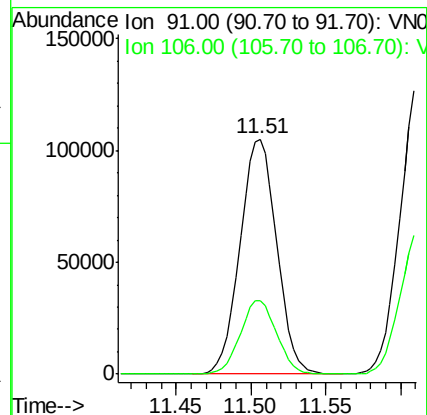
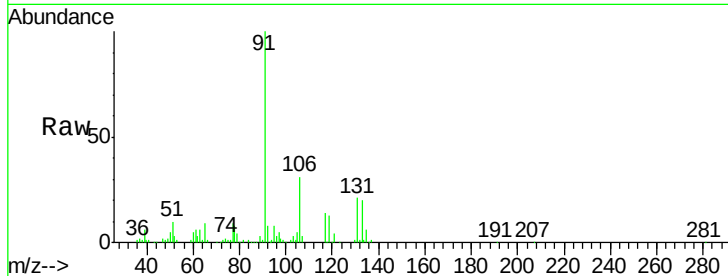
Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1

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#68

m/p-Xylenes

Concen: 38.794 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059989.D

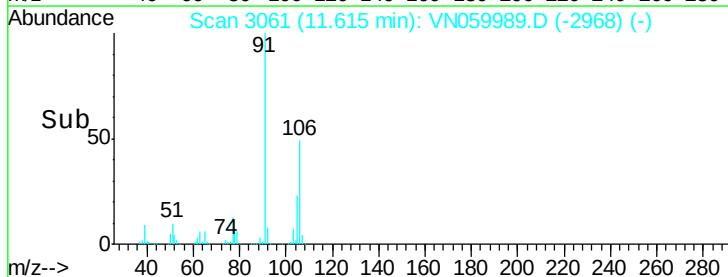
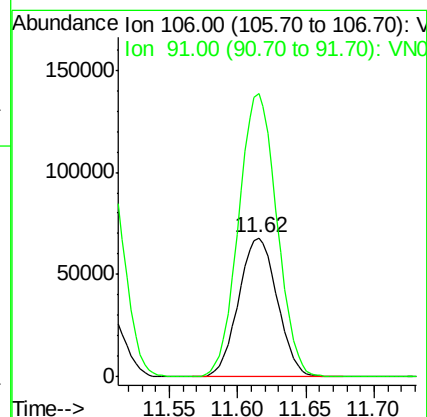
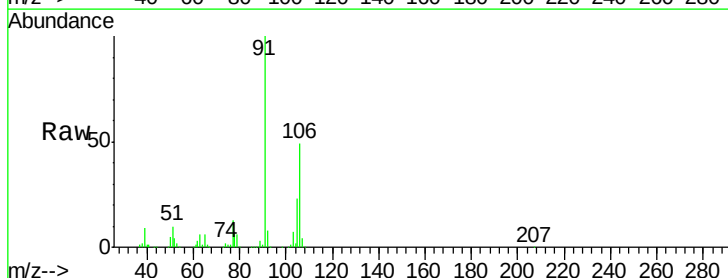
Acq: 4 Feb 2020 13:04

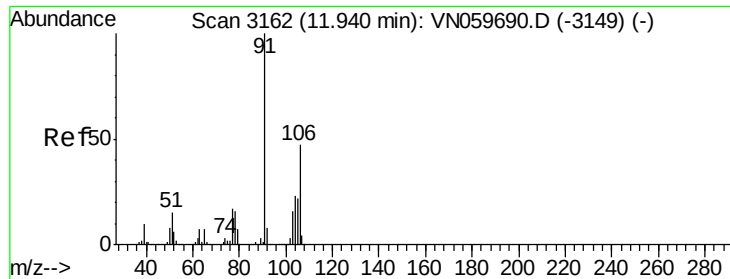
Tgt Ion: 106 Resp: 133973

Ion Ratio Lower Upper

106 100

91 202.0 167.9 251.9





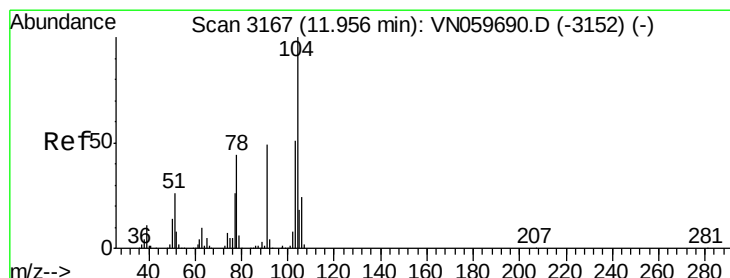
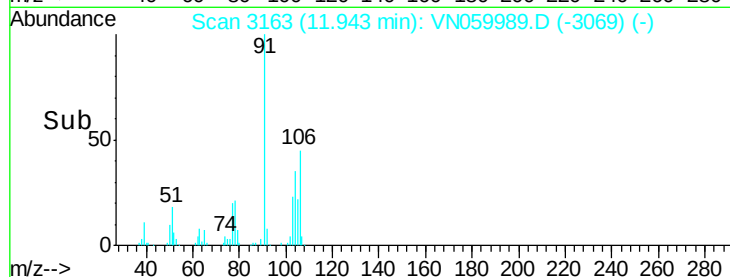
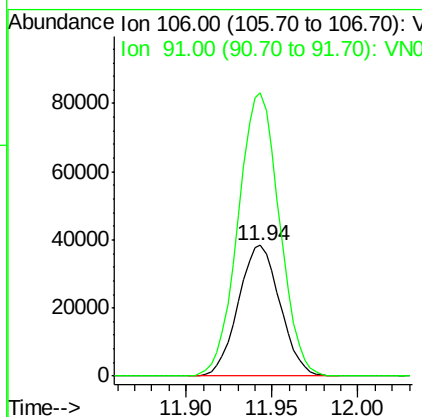
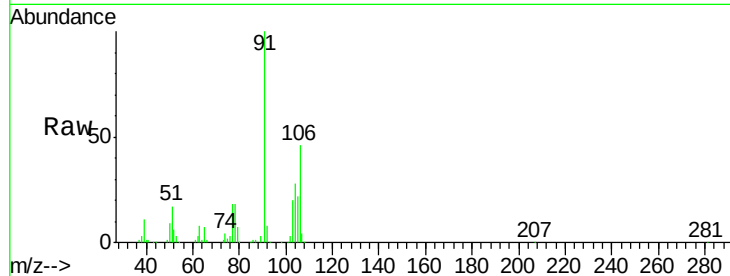
#69
o-Xylene
Concen: 19.193 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion:106 Resp: 64890
Ion Ratio Lower Upper
106 100
91 214.7 110.3 330.9

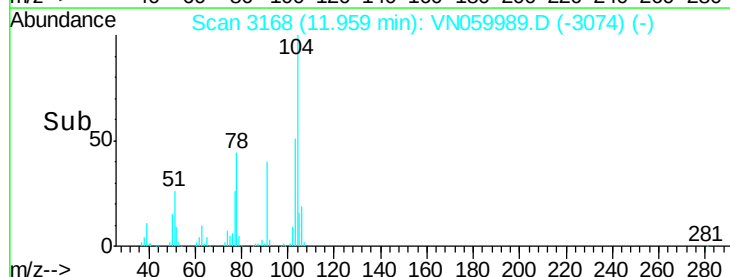
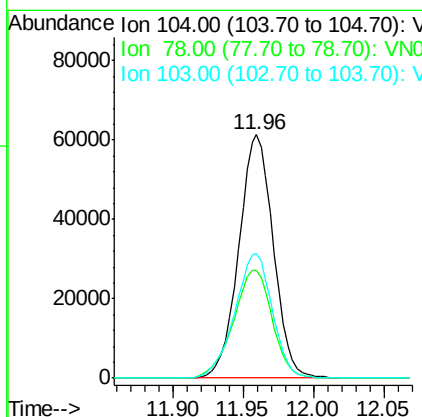
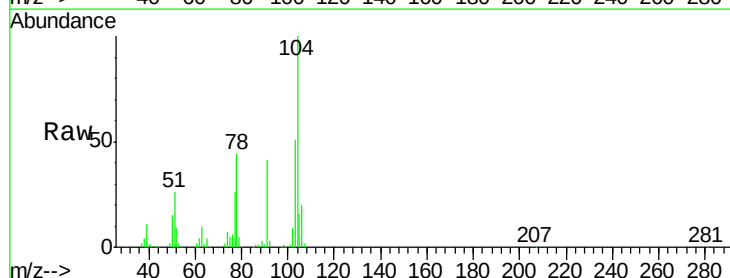
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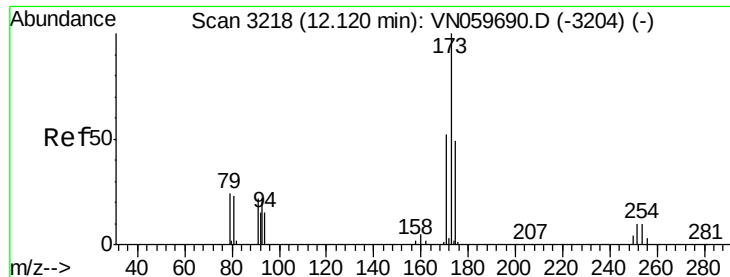
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#70
Styrene
Concen: 18.596 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion:104 Resp: 105208
Ion Ratio Lower Upper
104 100
78 50.0 42.4 63.6
103 55.8 43.9 65.9





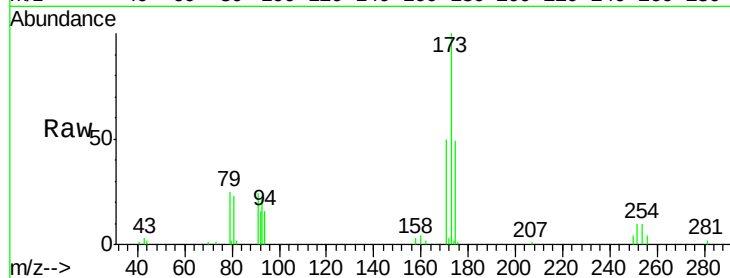
#71
Bromoform
Concen: 20.487 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.8	71.4
254	0.0	0.0	0.0

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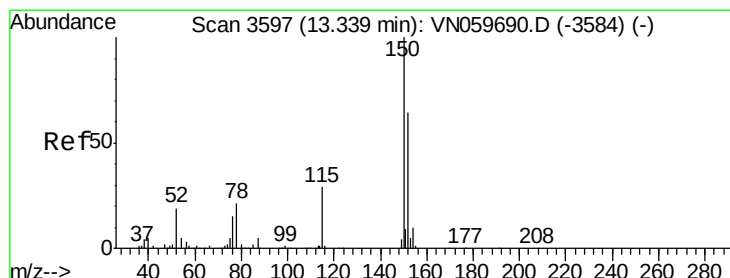
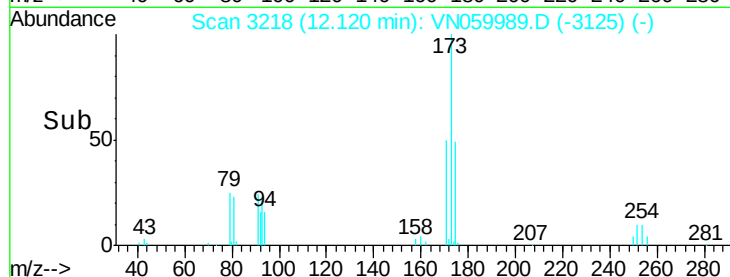
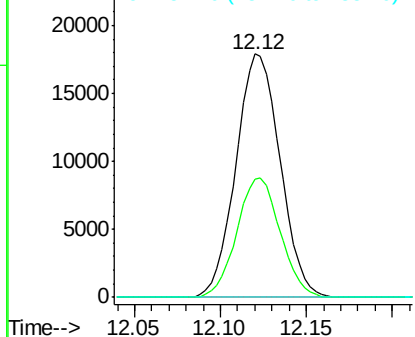


Abundance

Ion 172.70 (172.40 to 173.40): V

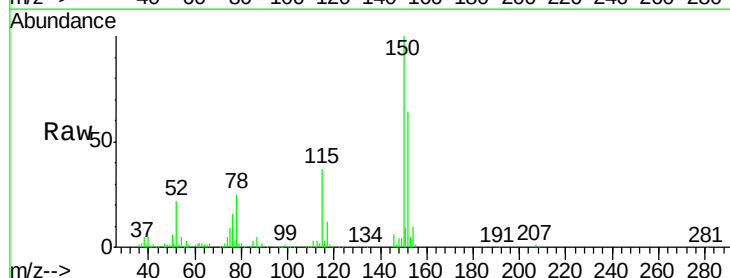
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	30.3	90.9
150	164.2	0.0	345.2

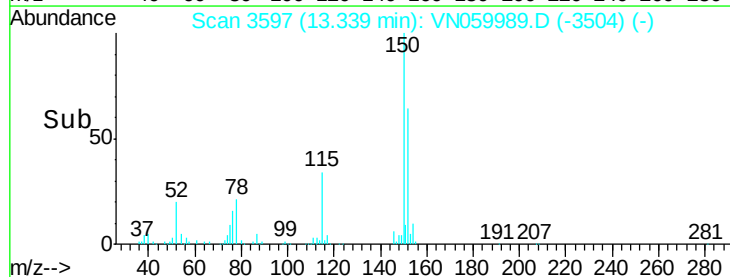
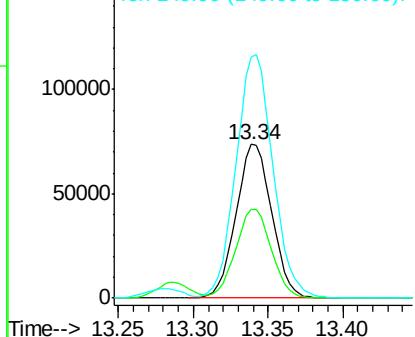


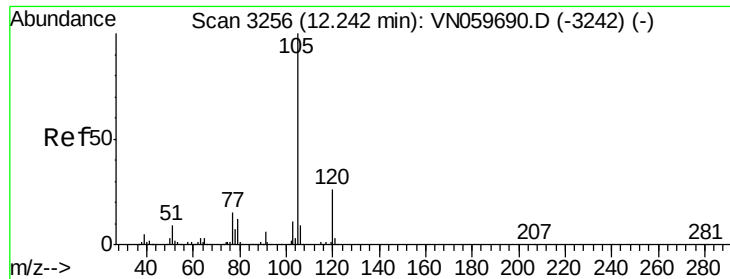
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.842 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

Tot Ion:105 Resp: 178299

Ion Ratio Lower Upper

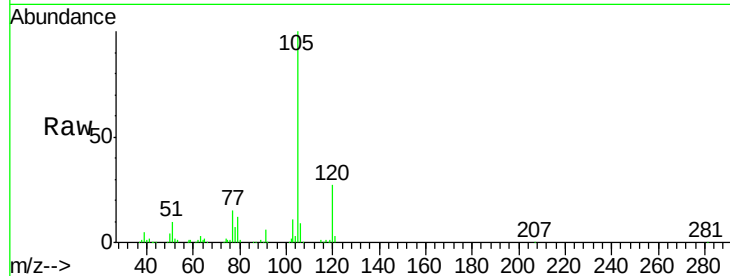
105 100

120 26.4 13.2 39.5

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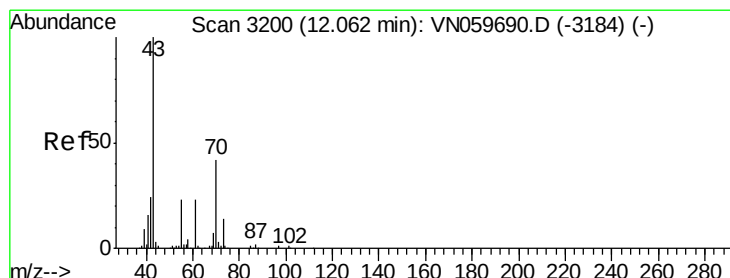
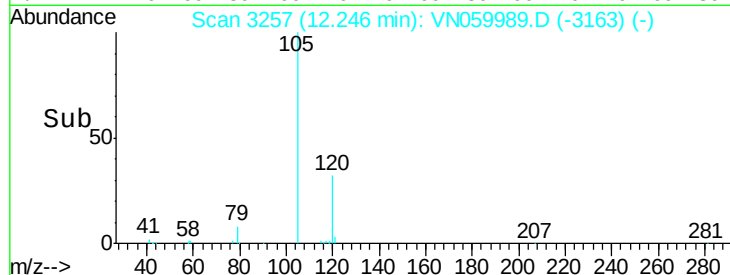
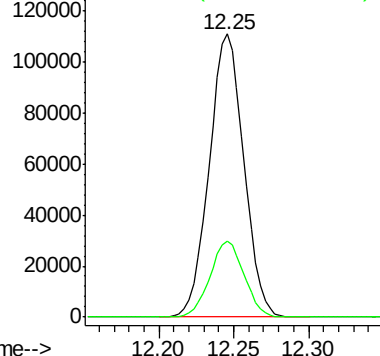
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.983 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion: 43 Resp: 66188

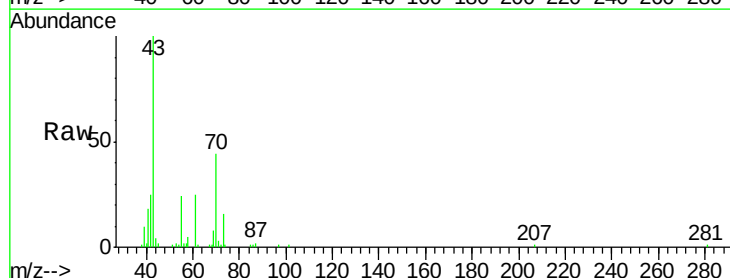
Ion Ratio Lower Upper

43 100

70 41.9 31.3 46.9

55 23.4 19.8 29.6

61 24.3 18.3 27.5

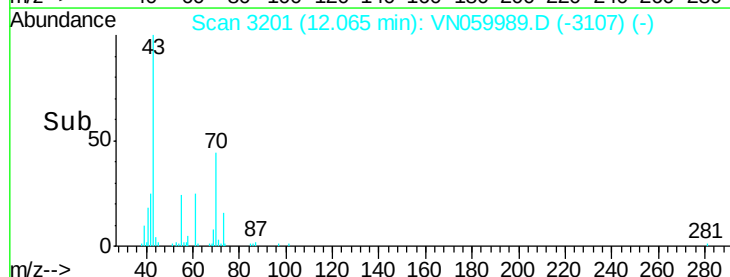
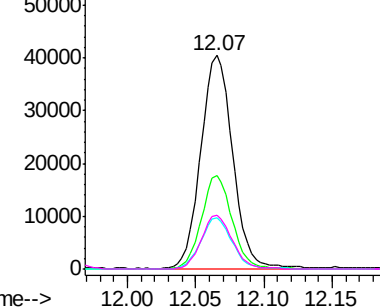


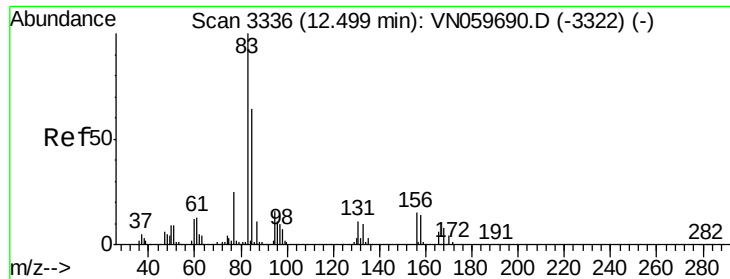
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.263 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

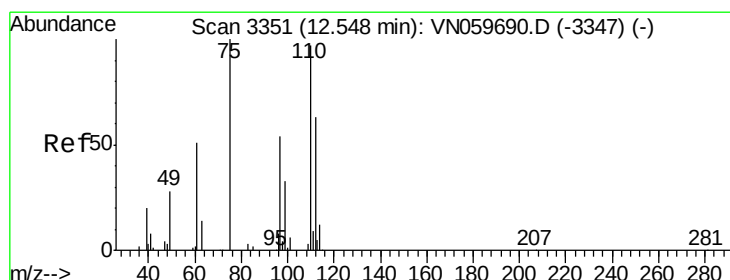
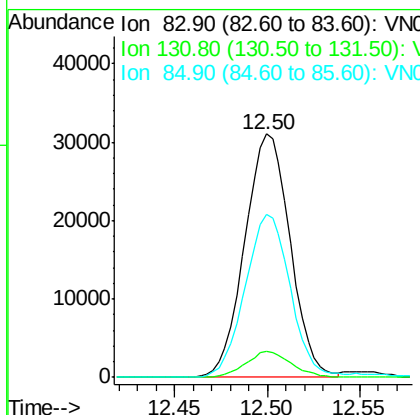
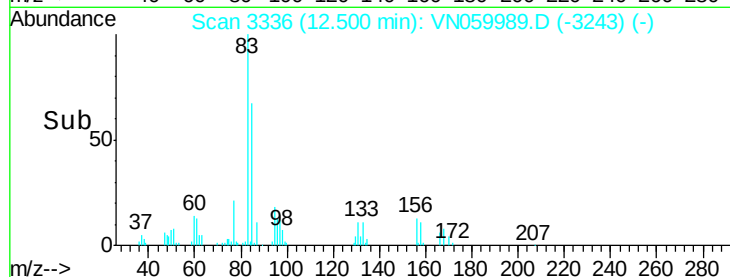
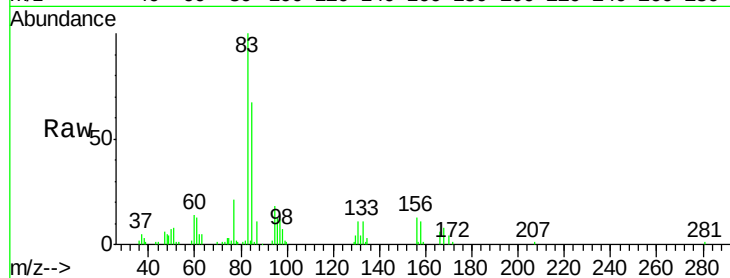
ClientSampled :

VN0204MBS01

Tot Ion:	83	Resp:	52785
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	14.9
85	66.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.659 ug/l m

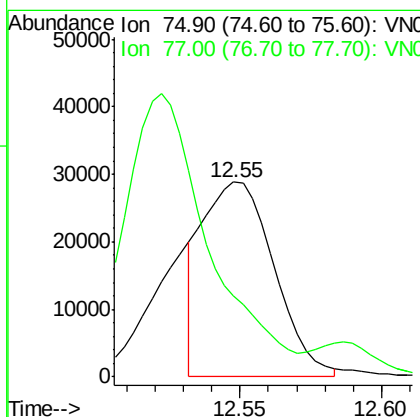
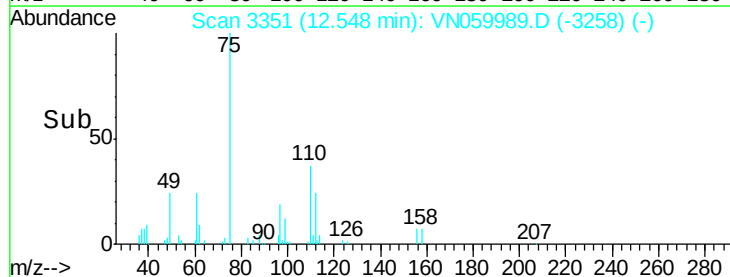
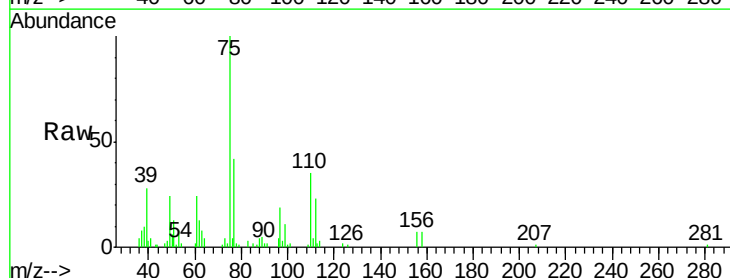
RT: 12.55 min Scan# 3351

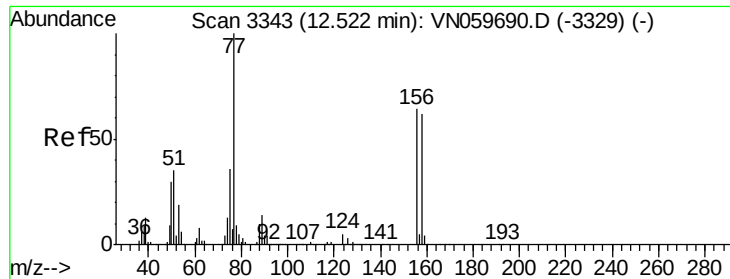
Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion:	75	Resp:	50846
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.737 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

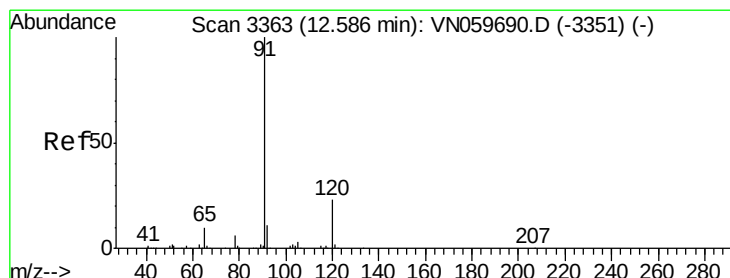
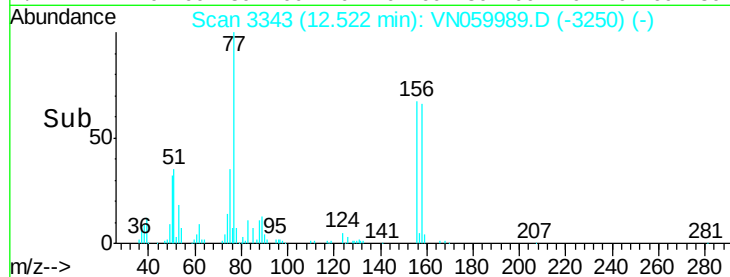
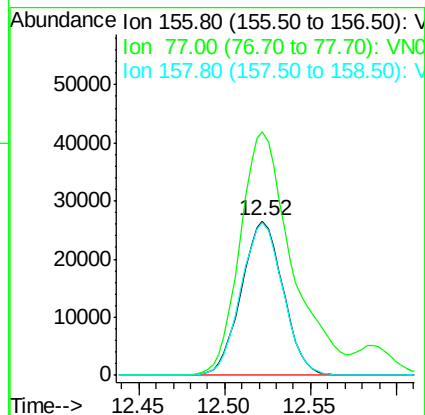
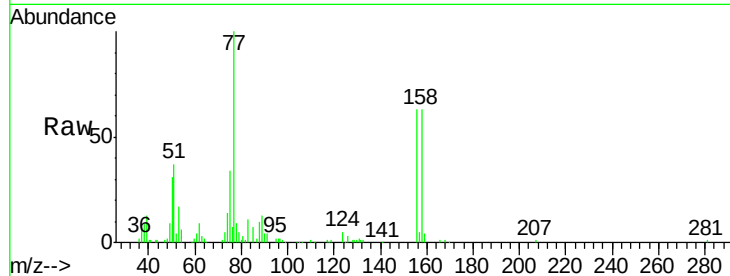
ClientSampled :

VN0204MBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	195.4	115.8	347.4	
158	99.1	49.2	147.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.576 ug/l

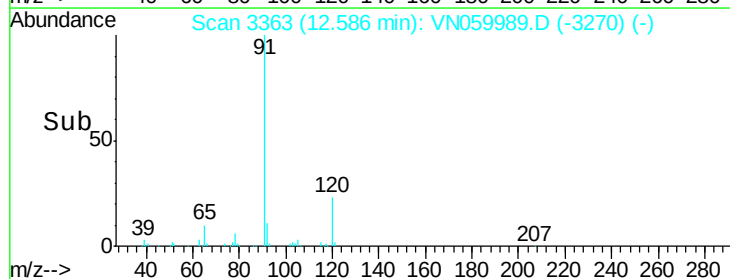
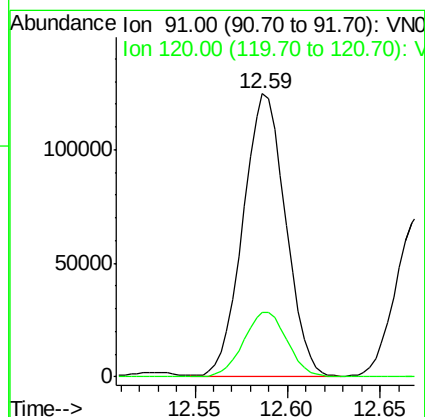
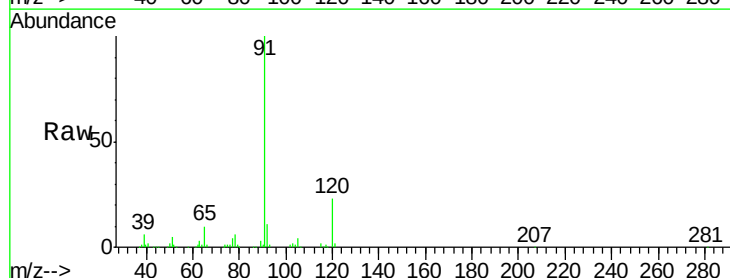
RT: 12.59 min Scan# 3363

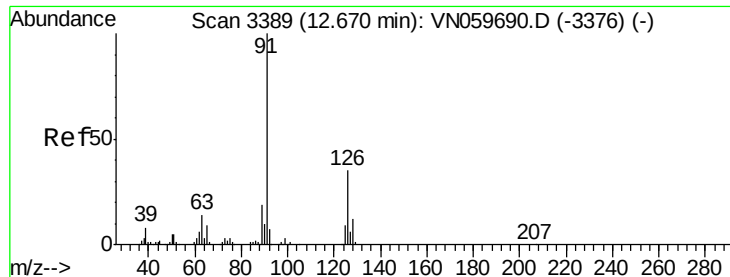
Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.1	33.3	





#79

2-Chlorotoluene

Concen: 19.698 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

Tot Ion: 91 Resp: 118189

Ion Ratio Lower Upper

91 100

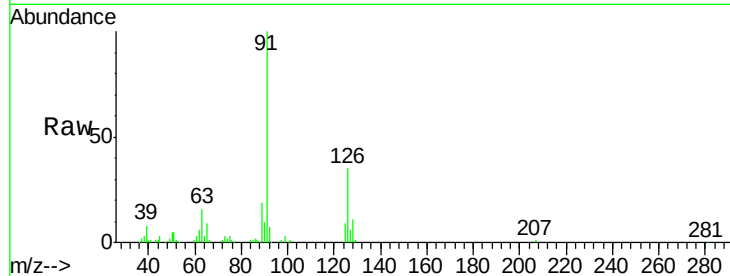
126 35.3 16.3 48.9

Manual Integrations

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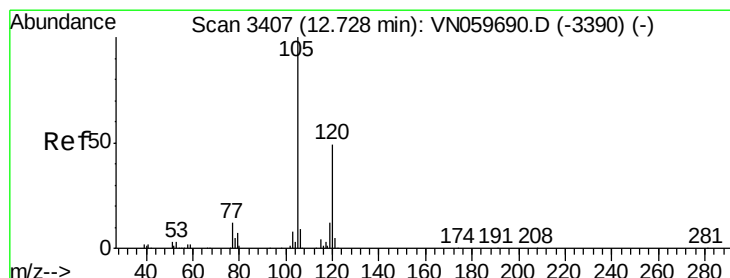
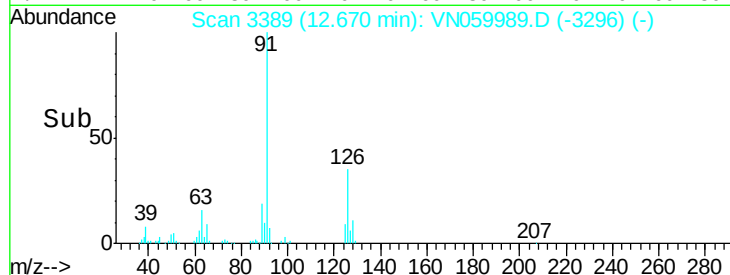
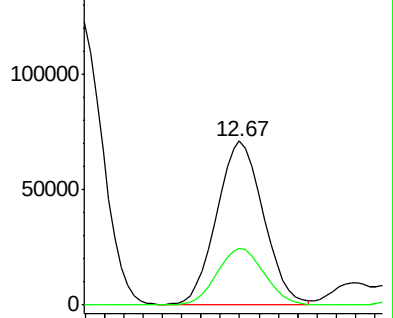
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Abundance Ion 91.00 (90.70 to 91.70): VN059989.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN059989.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.597 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059989.D

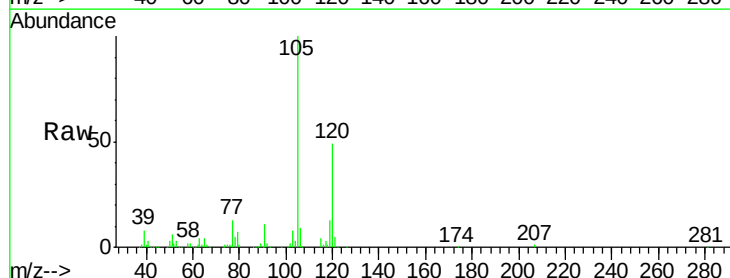
Acq: 4 Feb 2020 13:04

Tgt Ion: 105 Resp: 148097

Ion Ratio Lower Upper

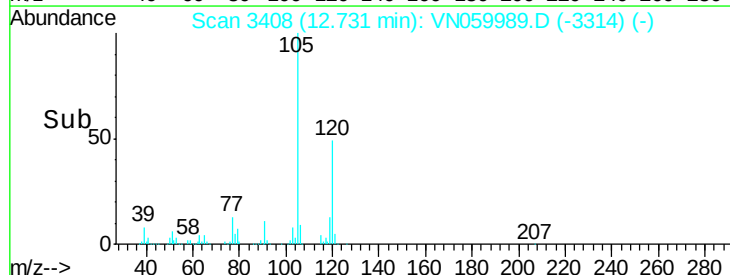
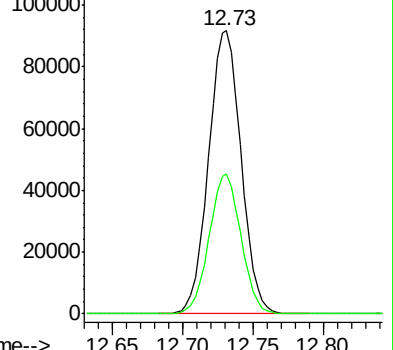
105 100

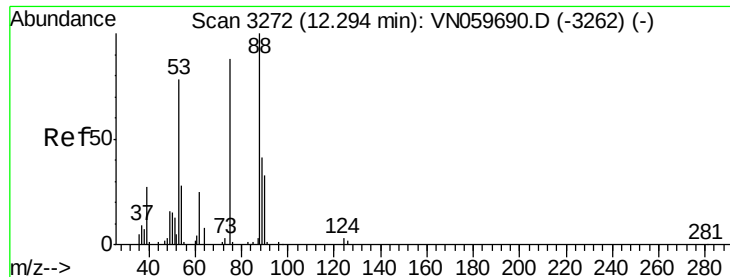
120 48.2 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059989.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059989.D (-3314) (-)





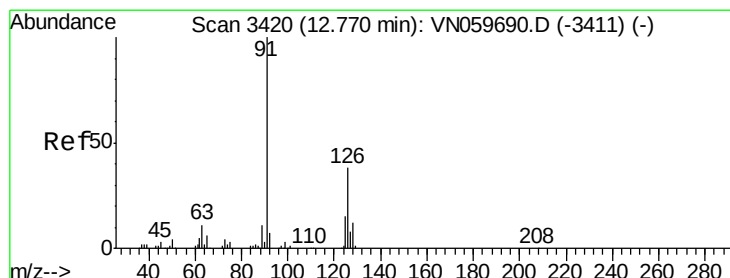
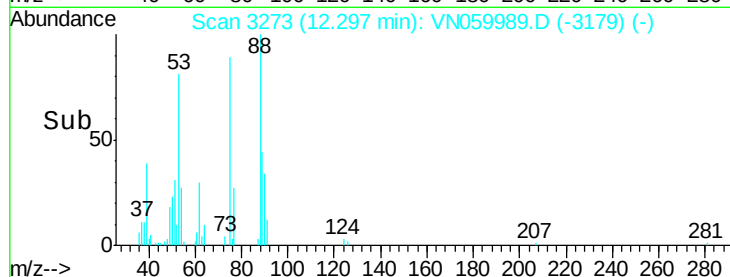
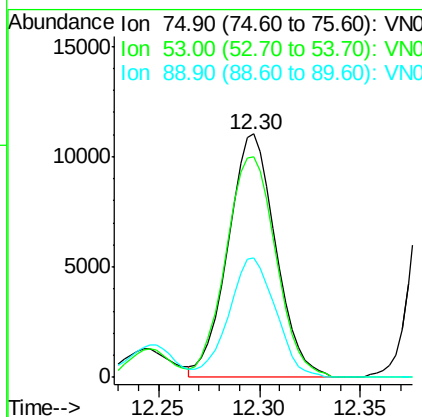
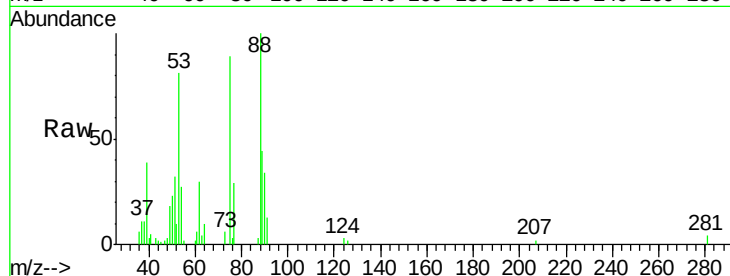
#81
trans-1,4-Dichloro-2-butene
Concen: 19.043 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	78.1	117.1
89	48.0	35.4	53.2

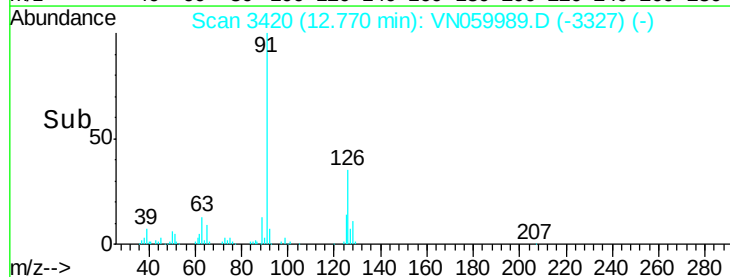
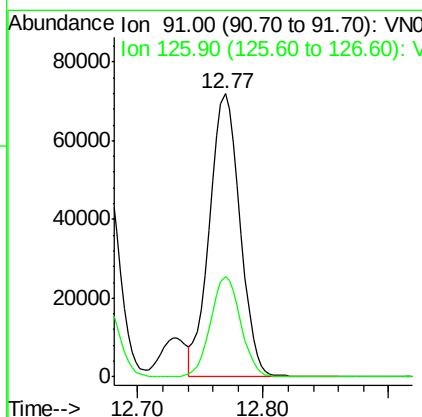
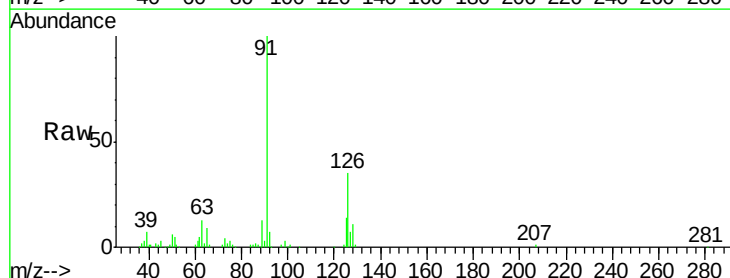
Manual Integrations
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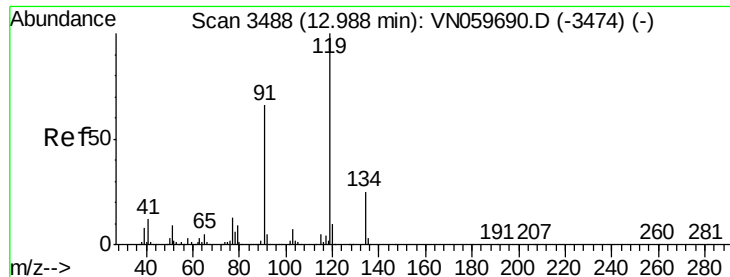
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.175 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.3	48.8





#83

tert-Butylbenzene

Concen: 19.591 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

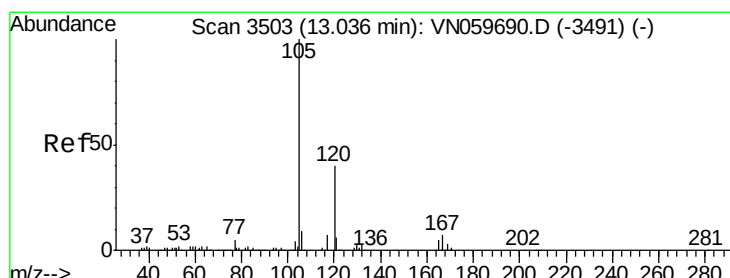
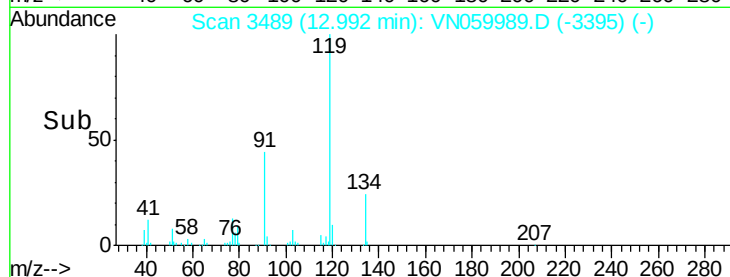
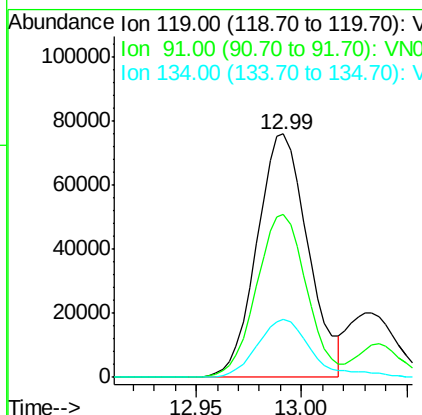
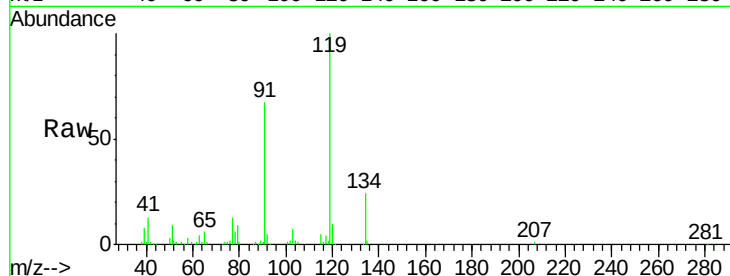
ClientSampled :

VN0204MBS01

Tot Ion:	119	Resp:	128046
Ion Ratio	Lower	Upper	
119	100		
91	66.2	34.8	104.4
134	25.5	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.630 ug/l

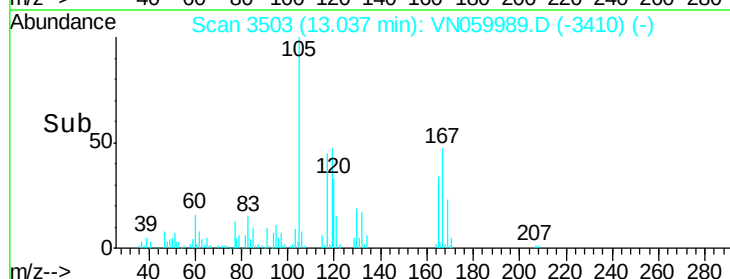
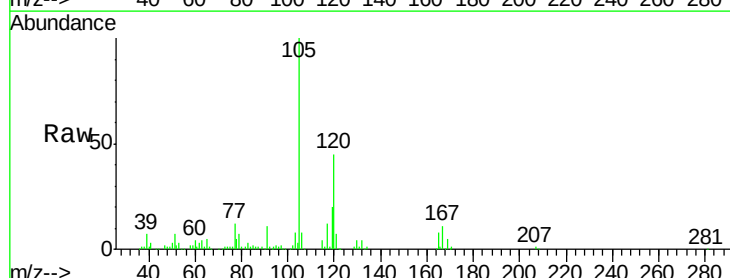
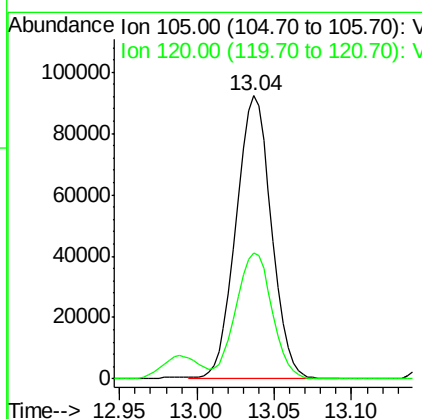
RT: 13.04 min Scan# 3503

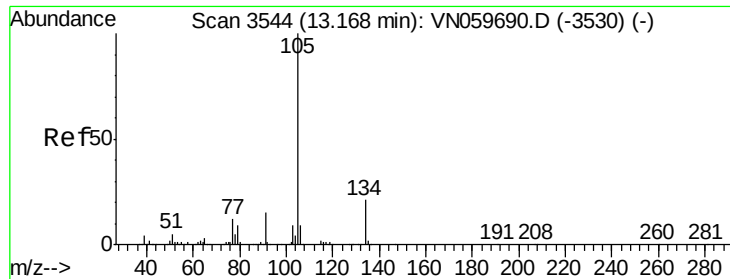
Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion:	105	Resp:	146759
Ion Ratio	Lower	Upper	
105	100		
120	45.9	22.3	66.9





#85

sec-Butylbenzene

Concen: 19.547 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Instrument :

MSVOA_N

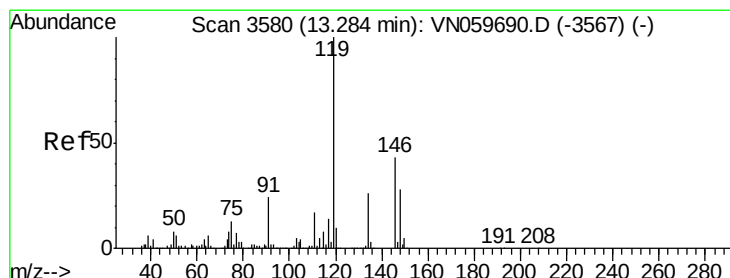
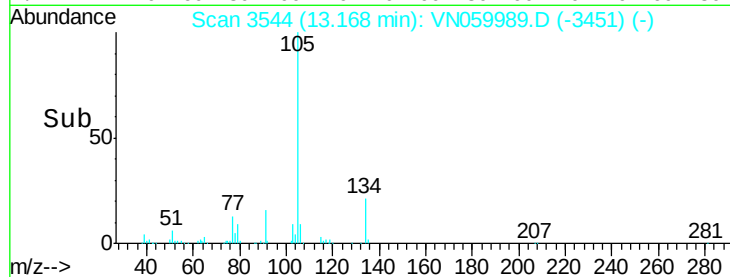
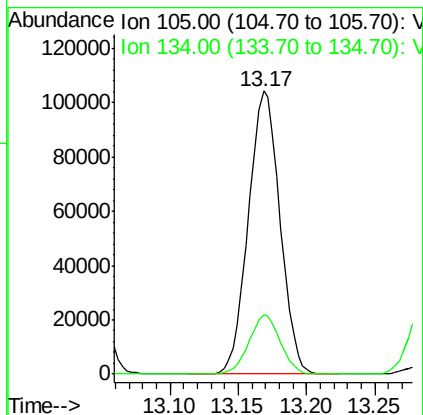
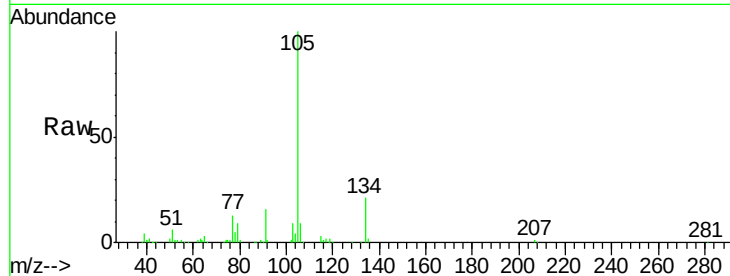
ClientSampleId :

VN0204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	167857		
134	20.6	9.8	29.5	

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#86

p-Isopropyltoluene

Concen: 19.352 ug/l

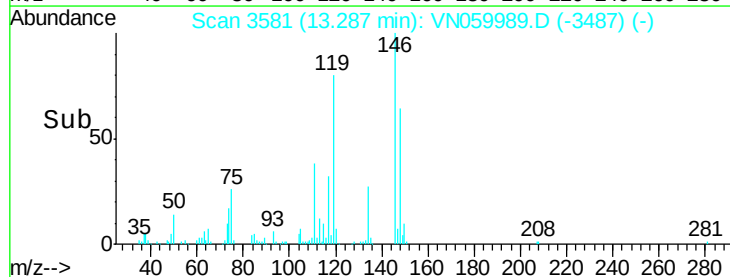
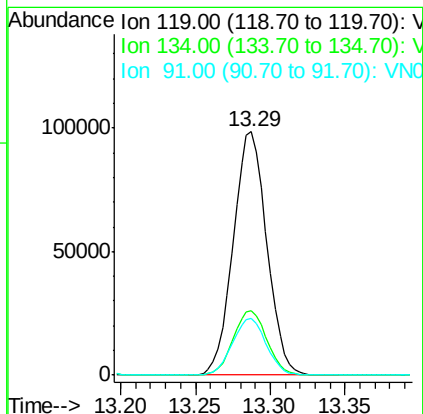
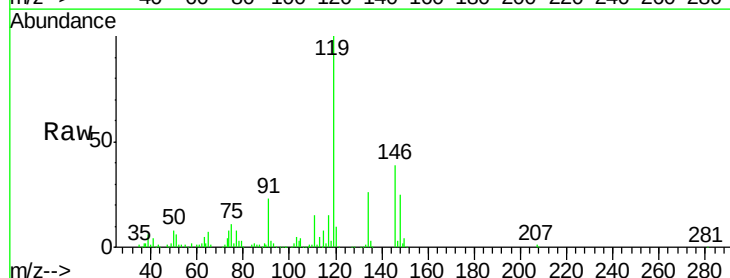
RT: 13.29 min Scan# 3581

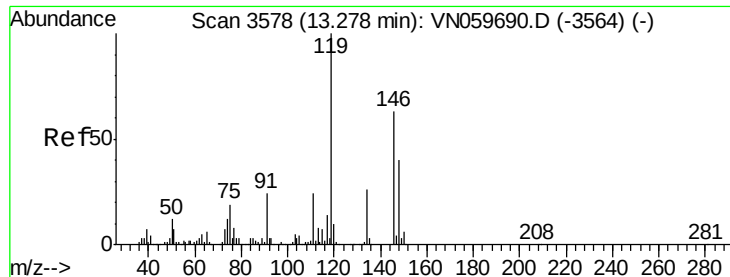
Delta R.T. 0.00 min

Lab File: VN059989.D

Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	153766		
134	26.5	12.9	38.7	
91	23.5	12.4	37.4	





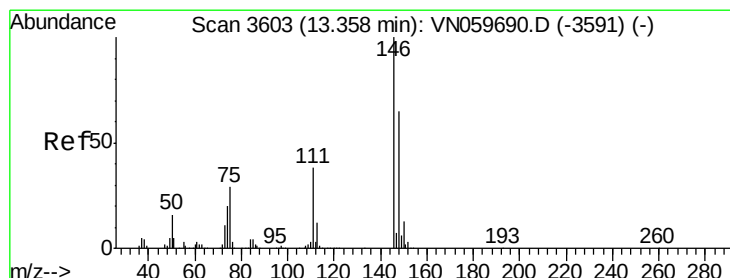
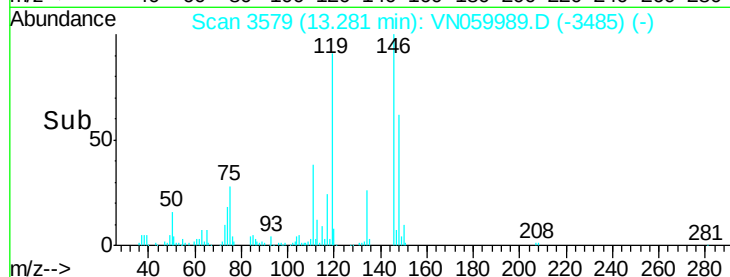
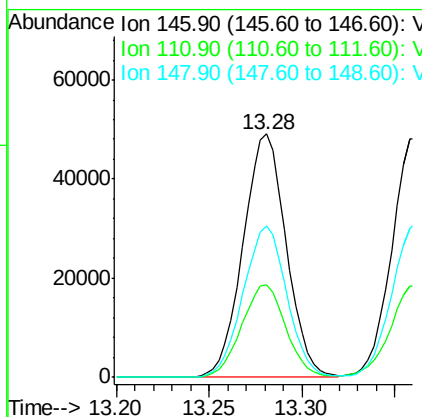
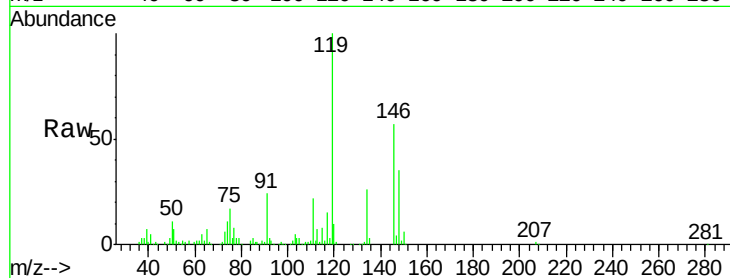
#87
 1,3-Dichlorobenzene
 Concen: 20.173 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	62.9	32.0	96.0

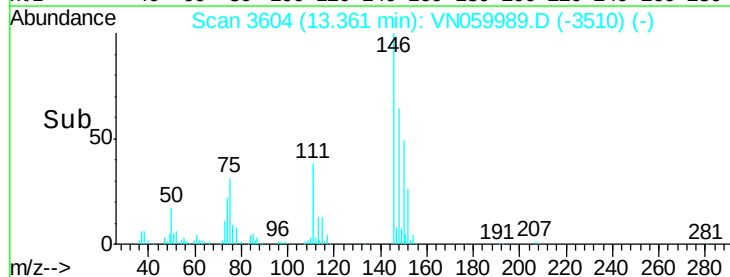
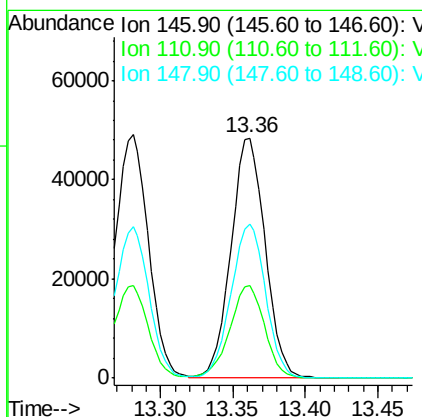
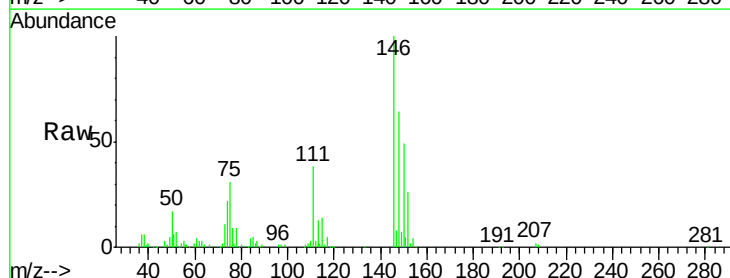
Manual Integrations
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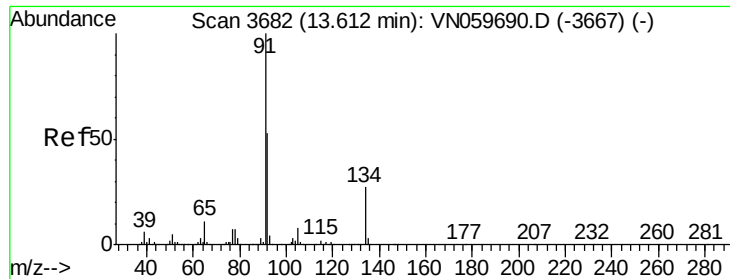
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#88
 1,4-Dichlorobenzene
 Concen: 20.106 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	64.7	31.8	95.4





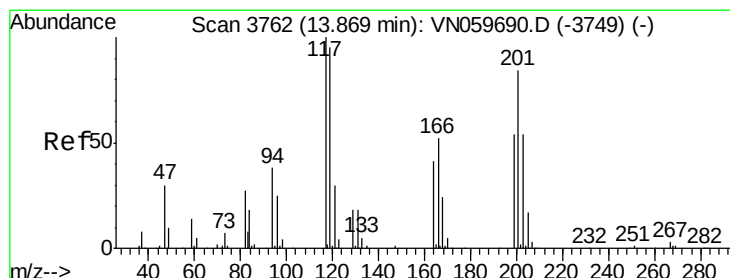
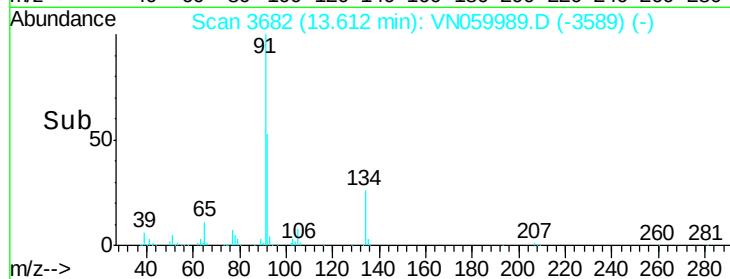
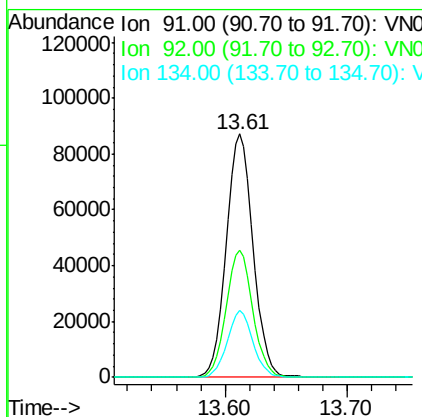
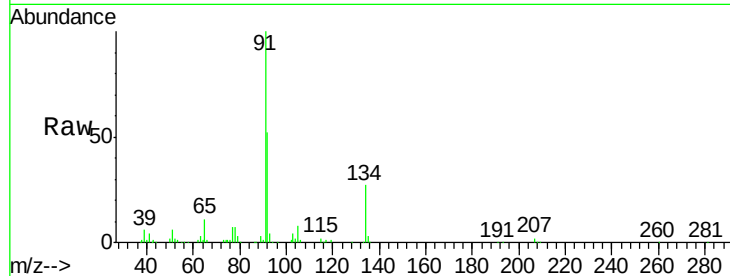
#89
n-Butylbenzene
Concen: 19.821 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		134280		
92	51.9	25.9	77.7		
134	26.5	12.3	36.8		

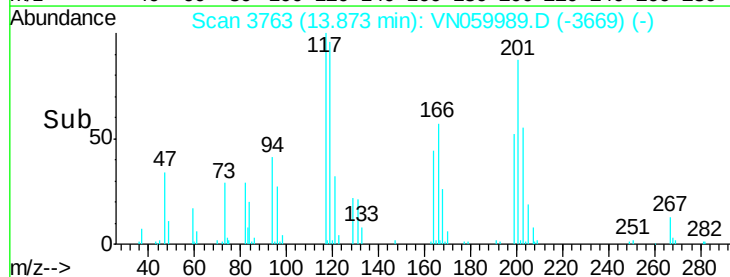
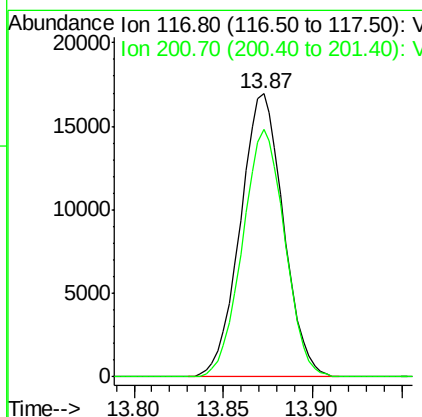
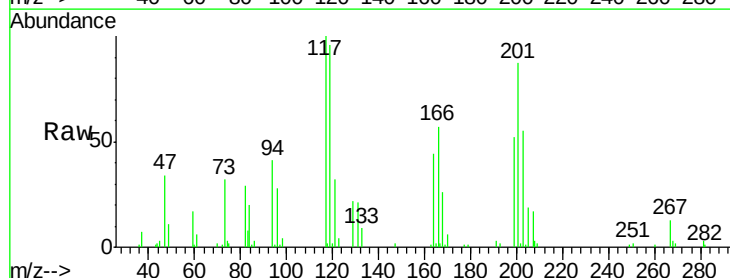
Manual Integrations
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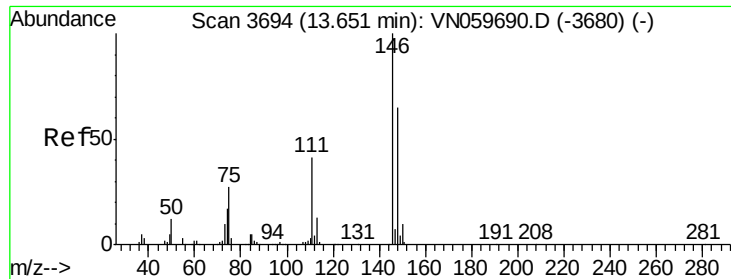
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#90
Hexachloroethane
Concen: 19.336 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		28746		
201	85.4	37.8	113.4		





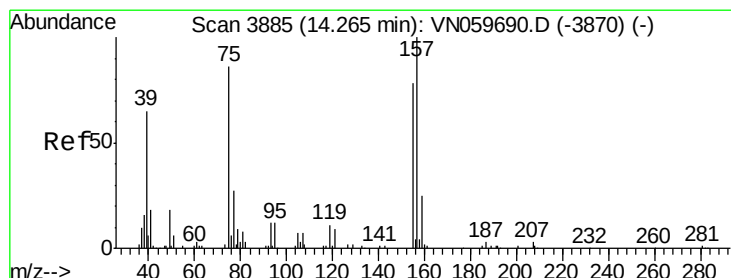
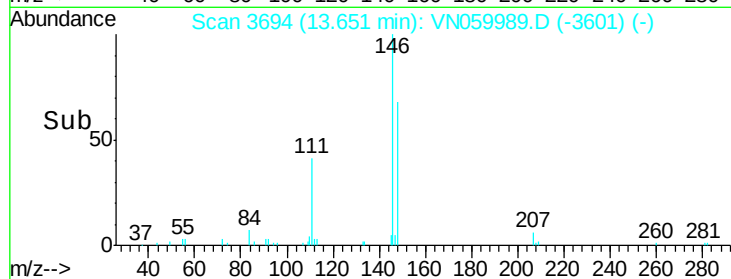
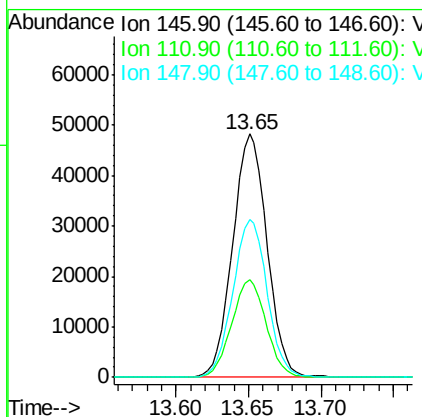
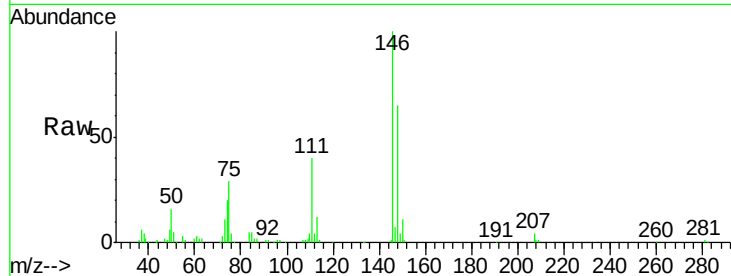
#91
 1,2-Dichlorobenzene
 Concen: 20.327 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.6	64.8
148	64.6	31.6	95.0

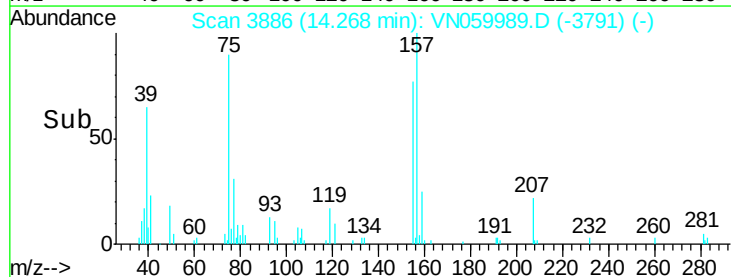
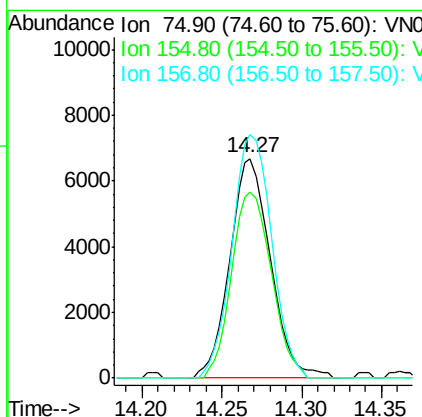
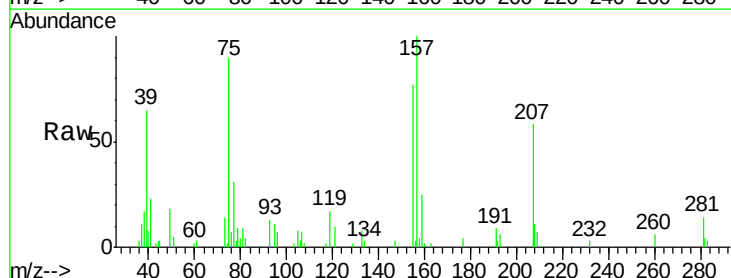
Manual Integrations
 APPROVED

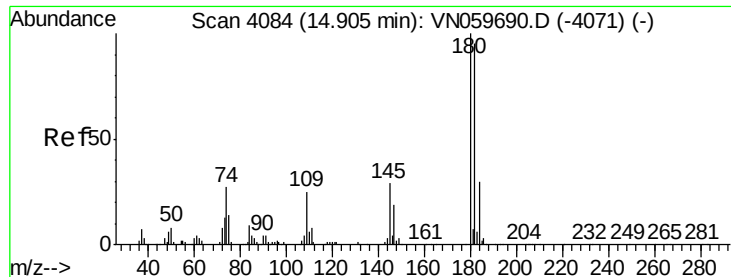
MMDadoda
 2/5/2020 12:21:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.430 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.8	37.0	110.9
157	108.1	48.4	145.2





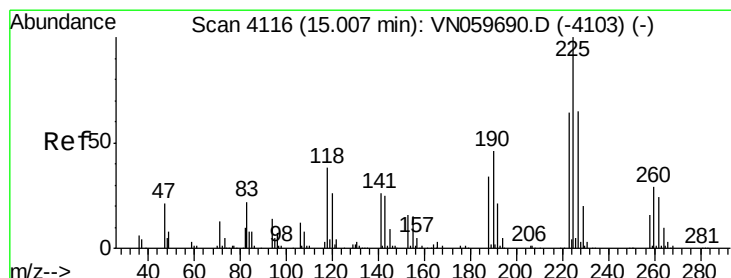
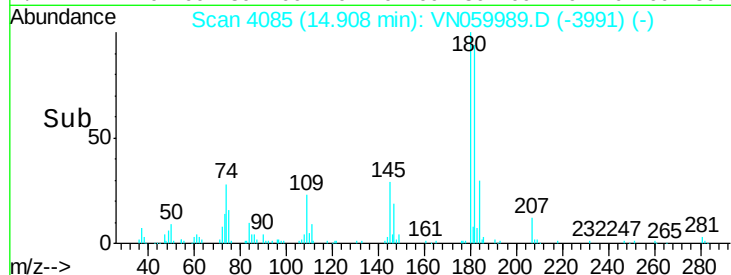
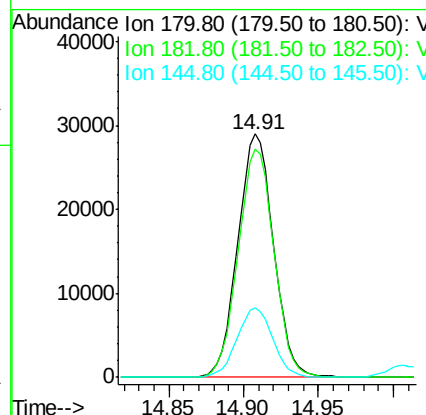
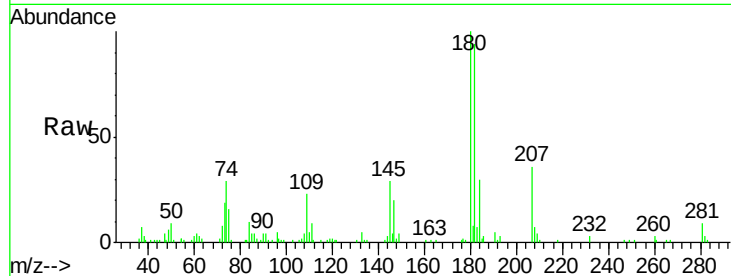
#93
 1,2,4-Trichlorobenzene
 Concen: 20.547 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	48247		
182	94.0	46.9	140.7	
145	28.5	15.0	45.1	

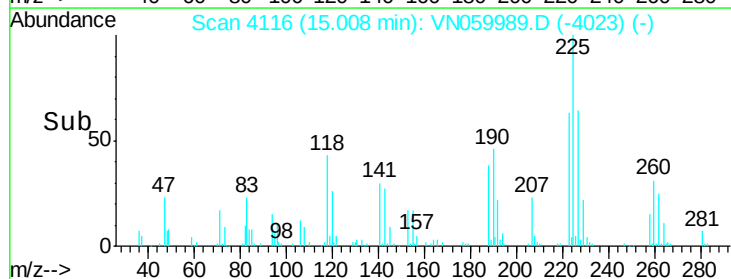
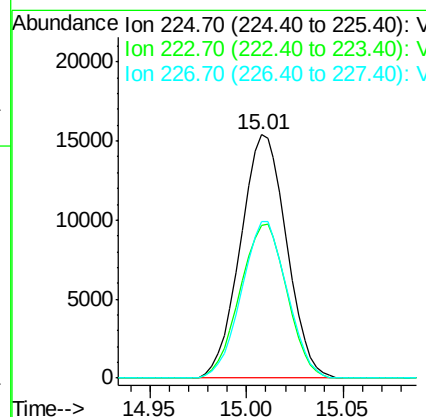
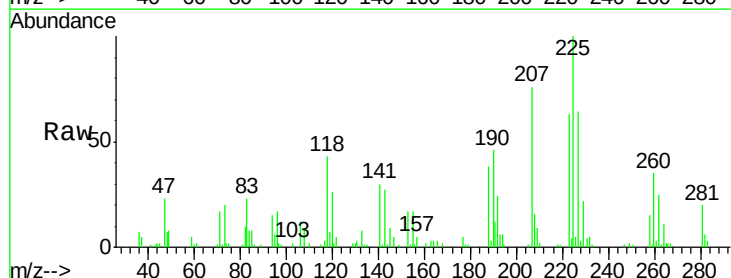
Manual Integrations
 APPROVED

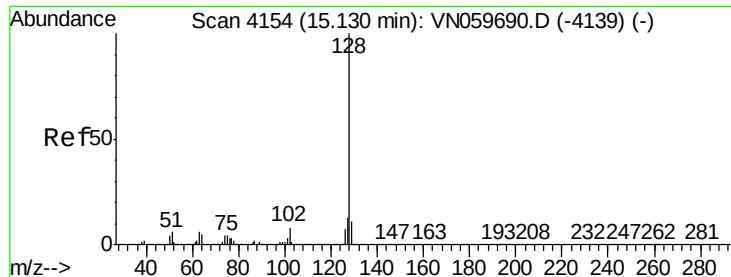
MMDadoda
 2/5/2020 12:21:06 PM



#94
 Hexachlorobutadiene
 Concen: 19.764 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059989.D
 Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25573		
223	64.1	31.8	95.3	
227	63.6	32.1	96.5	





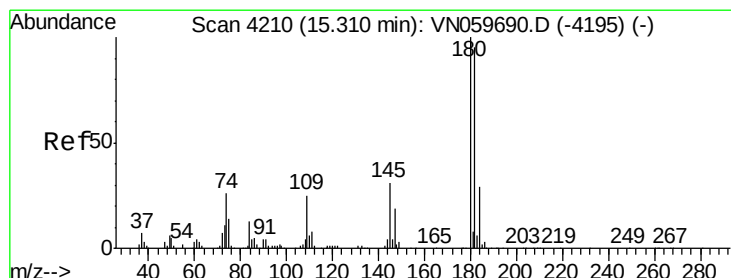
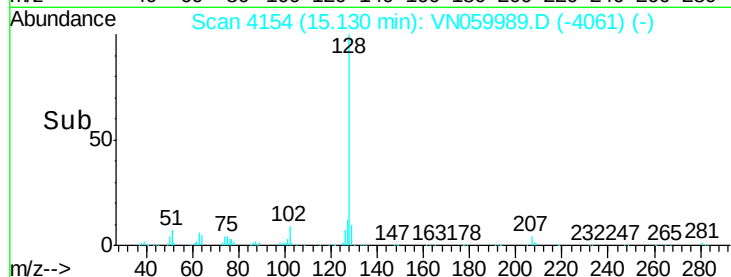
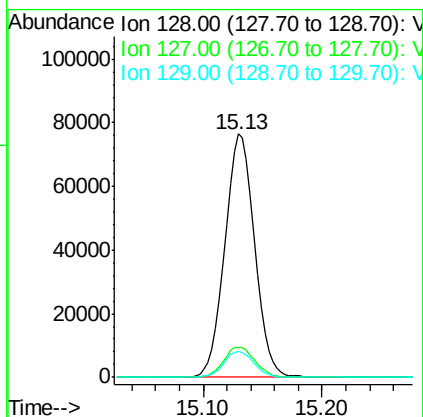
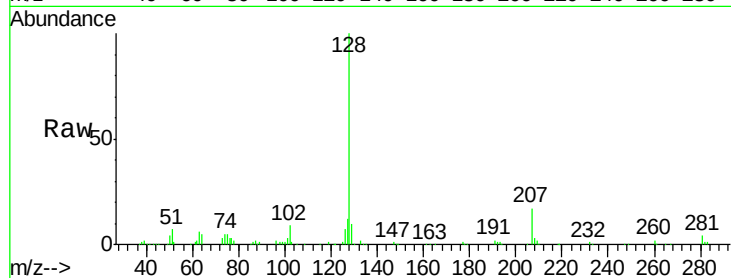
#95
Naphthalene
Concen: 19.849 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/5/2020 12:21:06 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.991 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059989.D
Acq: 4 Feb 2020 13:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.3
145	31.5	16.3	48.9

