

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031522\
 Data File : VN071302.D
 Acq On : 15 Mar 2022 19:16
 Operator : JC\MD
 Sample : N1886-03 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30969

Quant Time: Mar 16 08:06:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

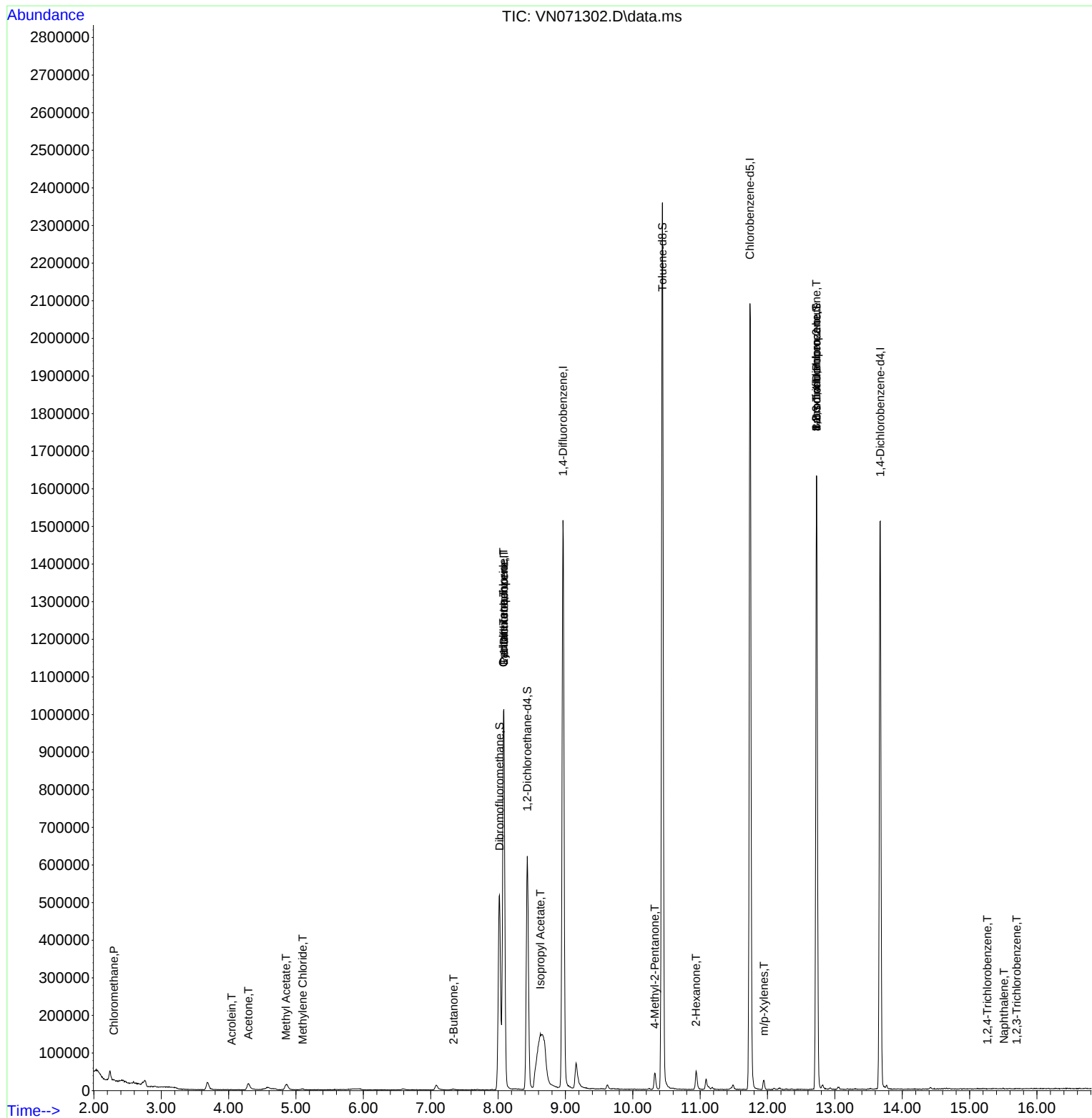
Internal Standards						
1) Pentafluorobenzene	8.086	168	791379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1316802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1228688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	422152	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	509654	46.989	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.980%
35) Dibromofluoromethane	8.022	113	384789	46.307	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.620%
50) Toluene-d8	10.439	98	1610956	48.151	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.300%
62) 4-Bromofluorobenzene	12.727	95	571181	50.417	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3429	0.260	ug/l #	81
5) Bromomethane	2.852	94	1143	Below Cal	#	74
13) Acrolein	4.046	56	659	0.292	ug/l #	52
16) Acetone	4.293	43	28698	5.438	ug/l	96
18) Methyl Acetate	4.851	43	33868	2.837	ug/l	97
20) Methylene Chloride	5.098	84	1755	0.562	ug/l #	66
25) 2-Butanone	7.339	43	3687	0.434	ug/l	96
31) Cyclohexane	8.081	56	16877	0.974	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	60745	4.563	ug/l #	49
38) Carbon Tetrachloride	8.081	117	77221	5.997	ug/l #	15
43) Isopropyl Acetate	8.628	43	223232	8.147	ug/l #	56
51) 4-Methyl-2-Pentanone	10.328	43	31784	1.869	ug/l	98
59) 2-Hexanone	10.939	43	33192	2.861	ug/l	73
68) m/p-Xylenes	11.945	106	7778	0.456	ug/l	92
71) Bromoform	12.727	173	3271	0.445	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.721	83	437	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.727	75	293535	27.414	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	293535	75.165	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	158	3.011	ug/l #	12
95) Naphthalene	15.510	128	613	5.096	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.698	180	122	2.749	ug/l #	42

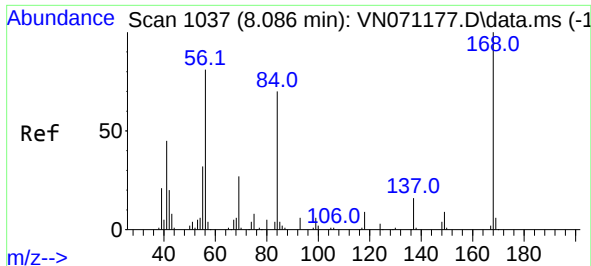
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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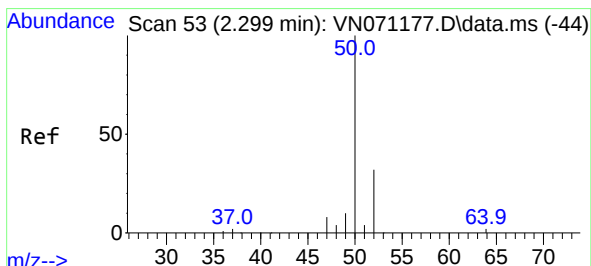
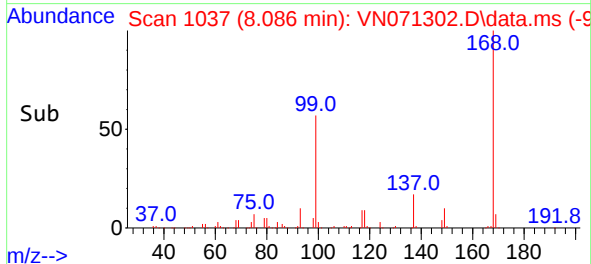
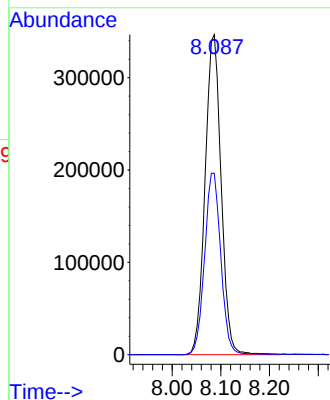
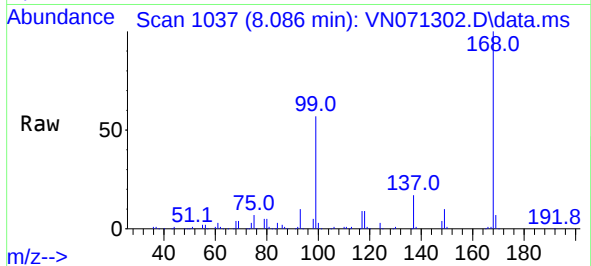




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

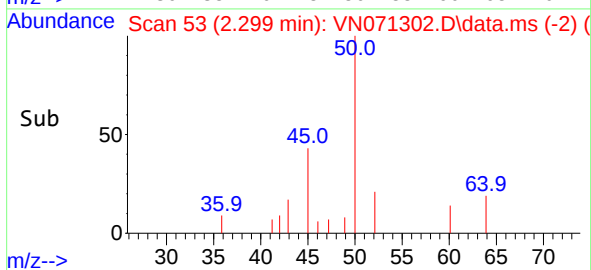
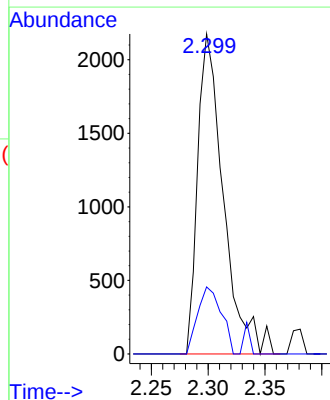
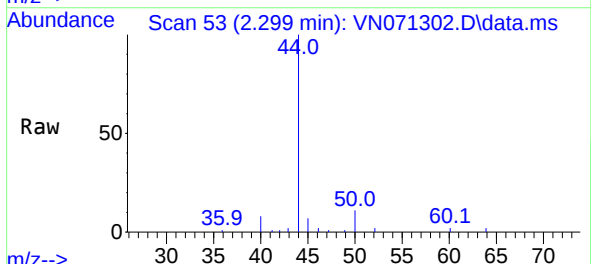
Instrument :
MSVOA_N
ClientSampleId :
30969

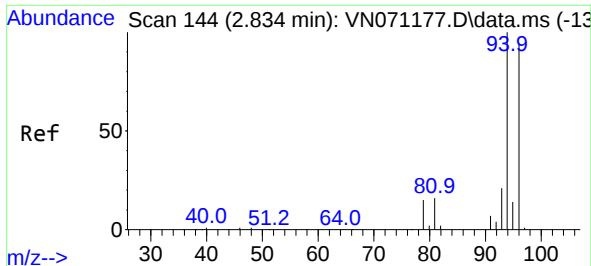
Tgt Ion:168 Resp: 791379
Ion Ratio Lower Upper
168 100
99 56.7 41.3 61.9



#3
Chloromethane
Concen: 0.260 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 50 Resp: 3429
Ion Ratio Lower Upper
50 100
52 21.0 25.4 38.0#

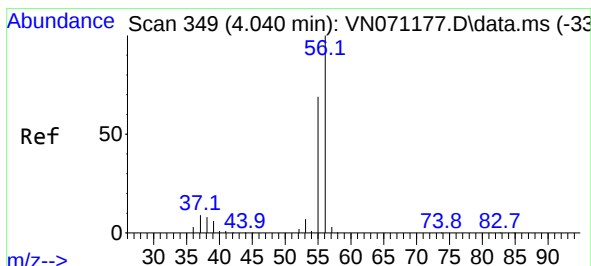
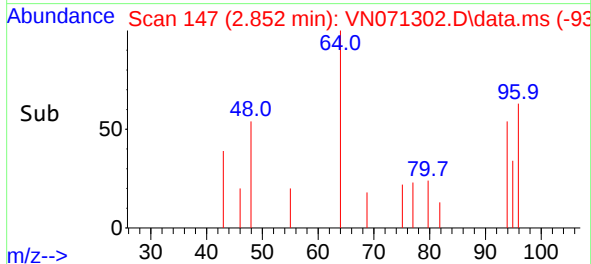
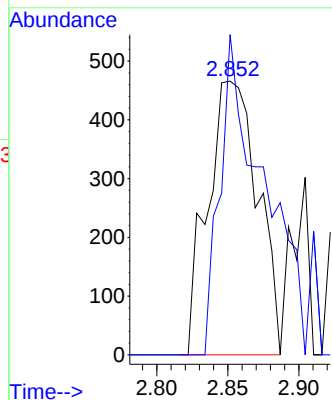
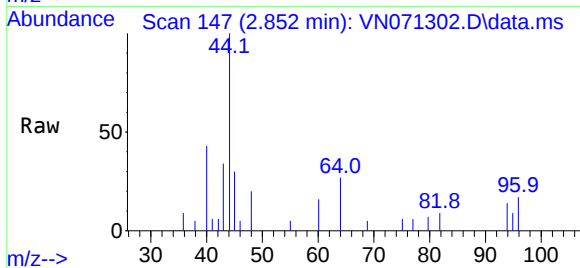




#5
Bromomethane
Concen: Below Cal
RT: 2.852 min Scan# 14
Delta R.T. 0.018 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

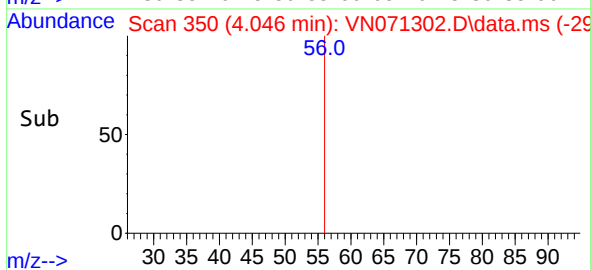
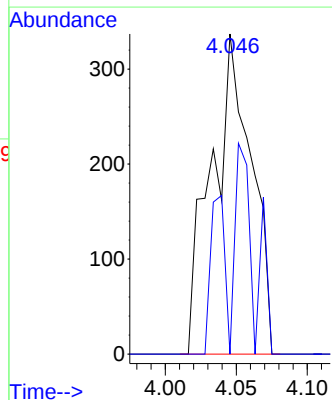
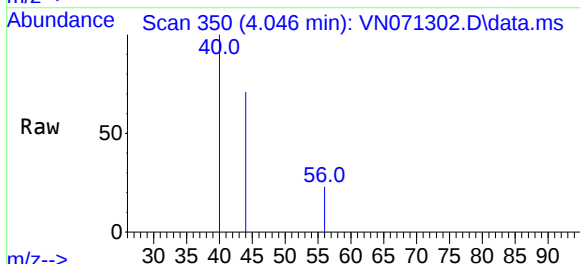
Instrument :
MSVOA_N
ClientSampleId :
30969

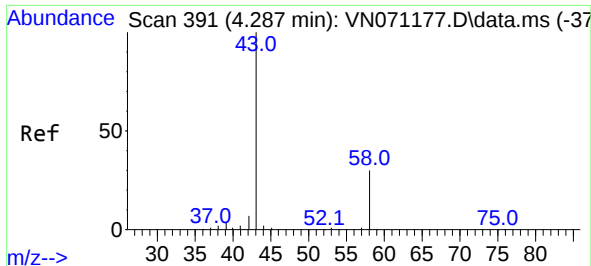
Tgt Ion: 94 Resp: 1143
Ion Ratio Lower Upper
94 100
96 117.0 73.8 110.8#



#13
Acrolein
Concen: 0.292 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.006 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 56 Resp: 659
Ion Ratio Lower Upper
56 100
55 31.4 56.6 85.0#

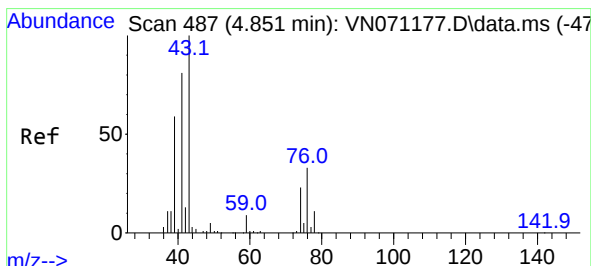
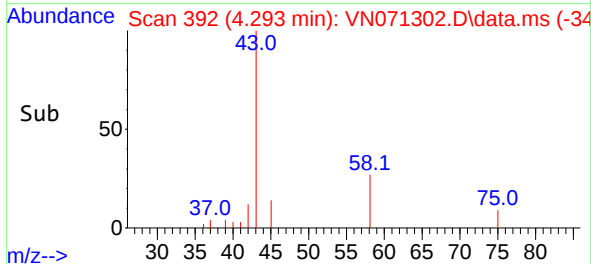
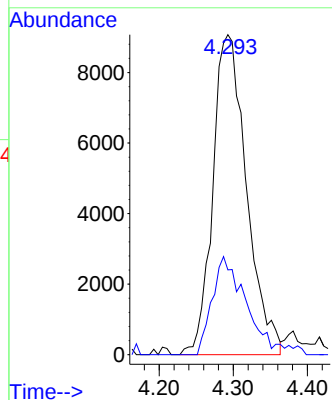
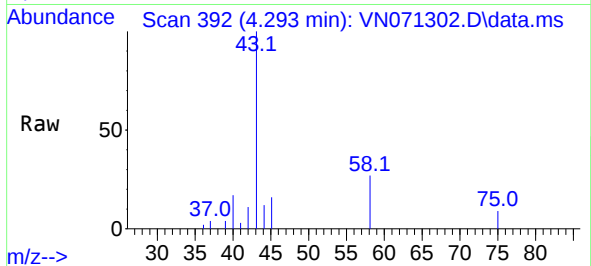




#16
Acetone
Concen: 5.438 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

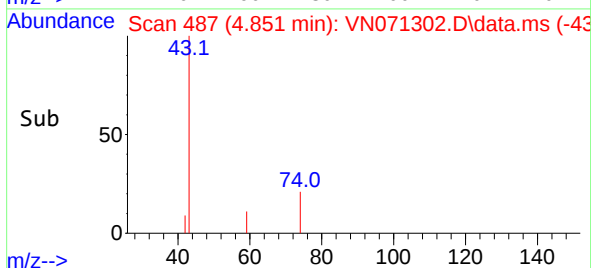
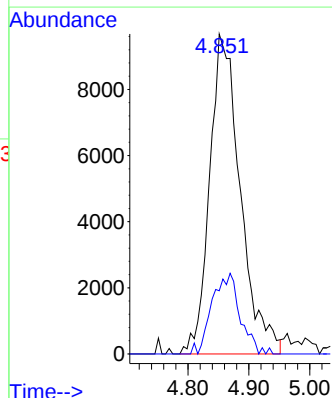
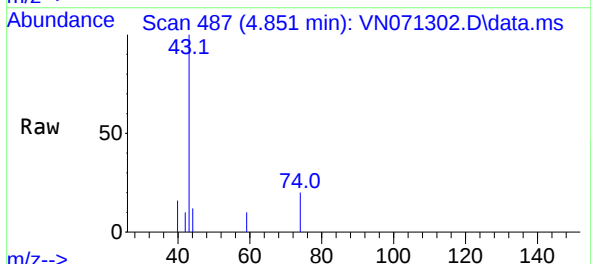
Instrument :
MSVOA_N
ClientSampleId :
30969

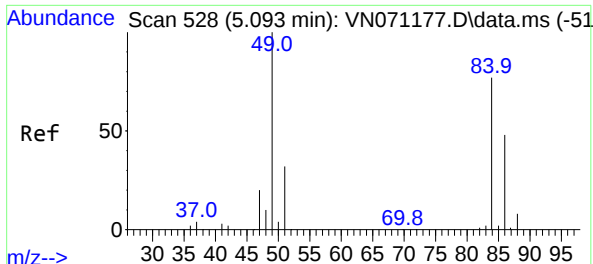
Tgt Ion: 43 Resp: 28698
Ion Ratio Lower Upper
43 100
58 26.5 23.1 34.7



#18
Methyl Acetate
Concen: 2.837 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 43 Resp: 33868
Ion Ratio Lower Upper
43 100
74 23.0 19.4 29.2



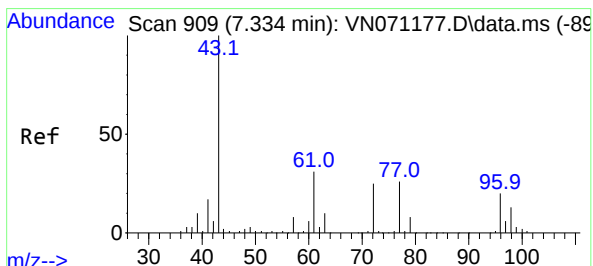
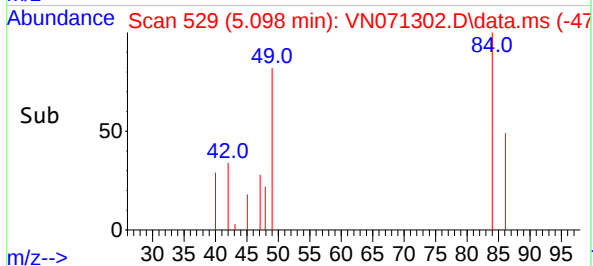
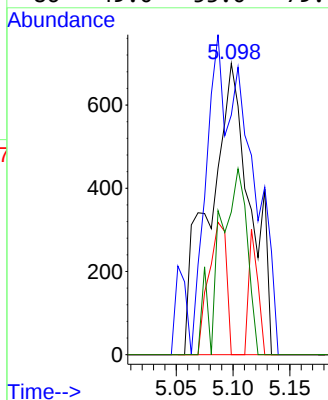
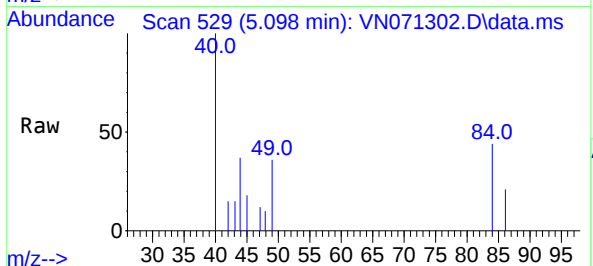


#20
Methylene Chloride
Concen: 0.562 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Instrument :
MSVOA_N
ClientSampleId :
30969

Tgt Ion: 84 Resp: 1755

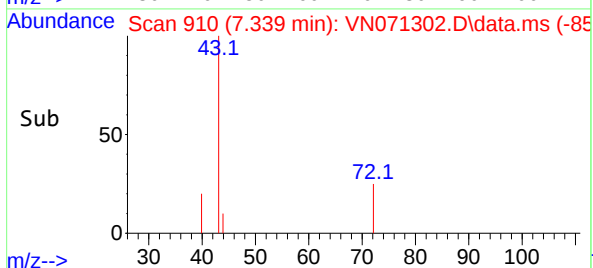
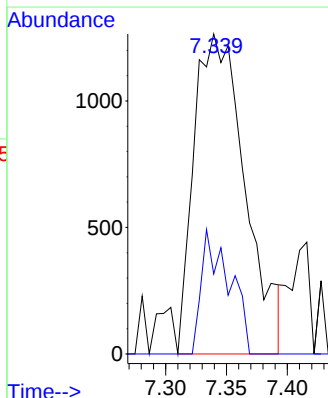
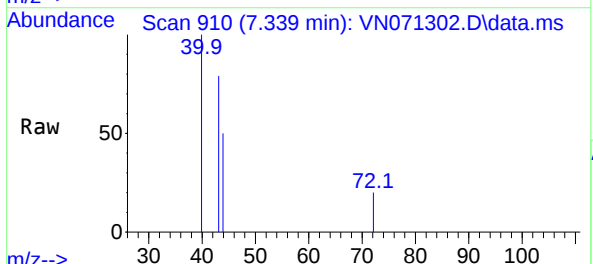
Ion	Ratio	Lower	Upper
84	100		
49	82.3	93.5	140.3#
51	0.0	29.4	44.2#
86	49.0	53.0	79.4#

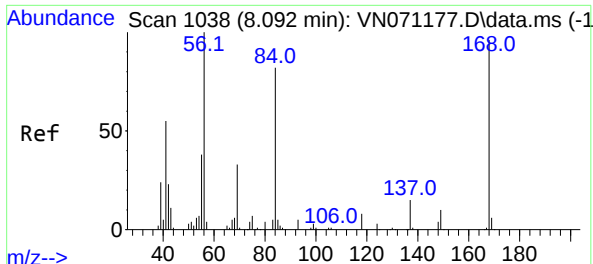


#25
2-Butanone
Concen: 0.434 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.006 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 43 Resp: 3687

Ion	Ratio	Lower	Upper
43	100		
72	25.0	21.7	32.5





#31

Cyclohexane

Concen: 0.974 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN071302.D

Acq: 15 Mar 2022 19:16

Instrument :

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ClientSampleId :

30969

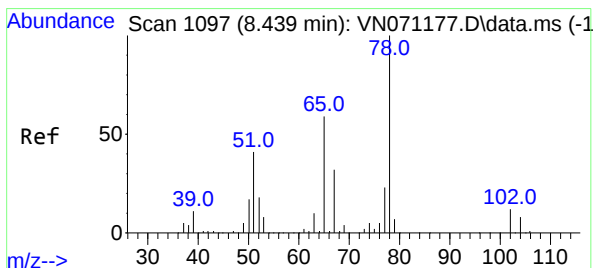
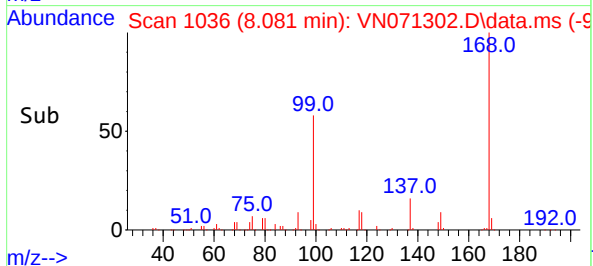
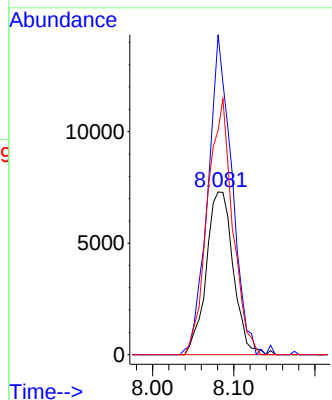
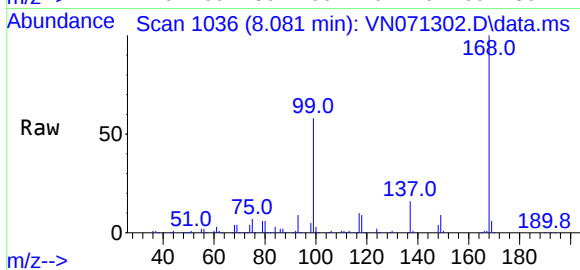
Tgt Ion: 56 Resp: 16877

Ion Ratio Lower Upper

56 100

69 196.7 27.1 40.7#

84 137.9 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 46.989 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071302.D

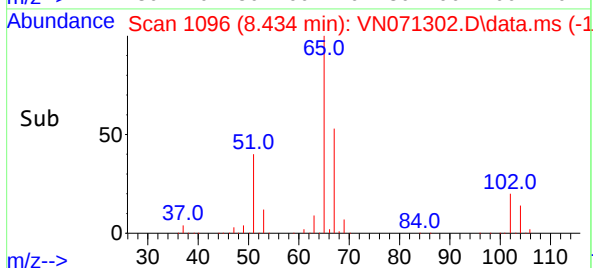
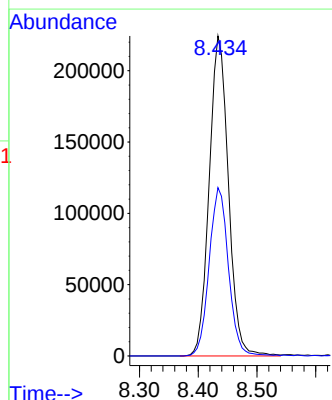
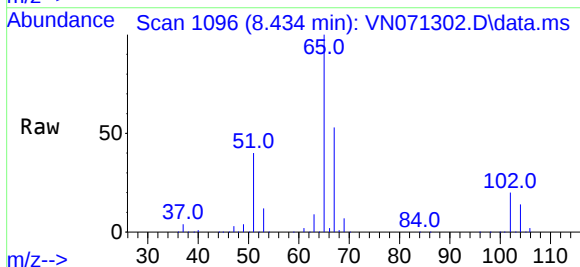
Acq: 15 Mar 2022 19:16

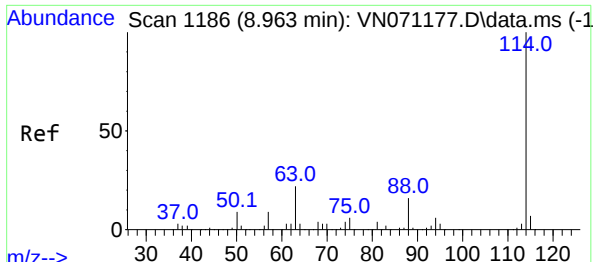
Tgt Ion: 65 Resp: 509654

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.0

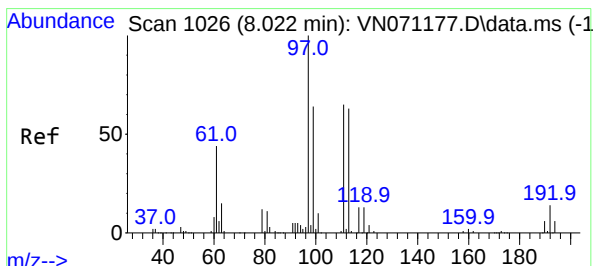
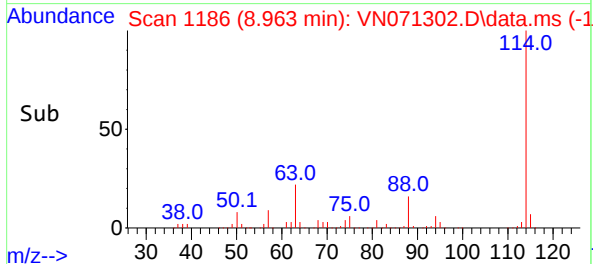
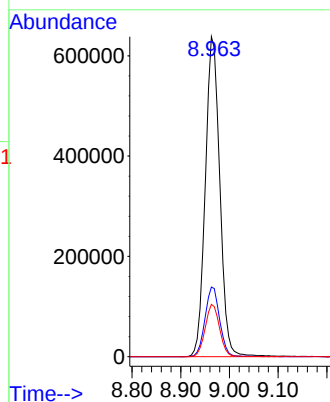
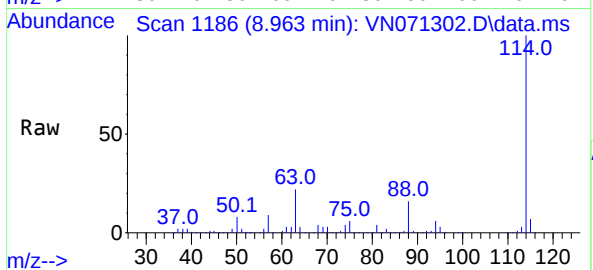




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

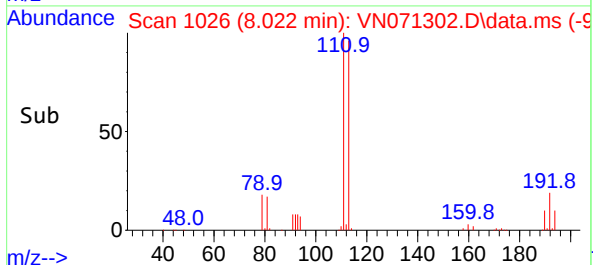
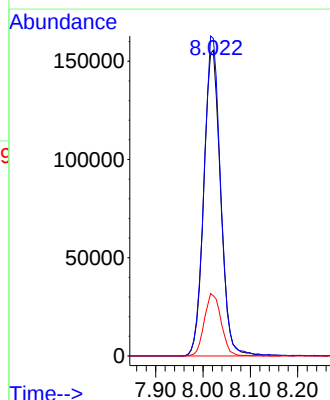
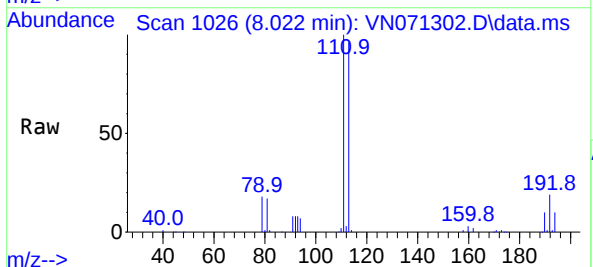
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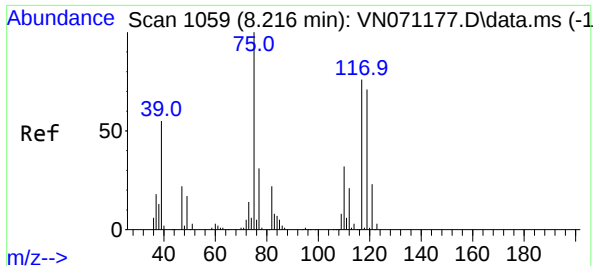
Tgt Ion:114 Resp: 1316802
Ion Ratio Lower Upper
114 100
63 21.8 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.307 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion:113 Resp: 384789
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.563 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071302.D

Acq: 15 Mar 2022 19:16

Instrument :

MSVOA_N

ClientSampleId :

30969

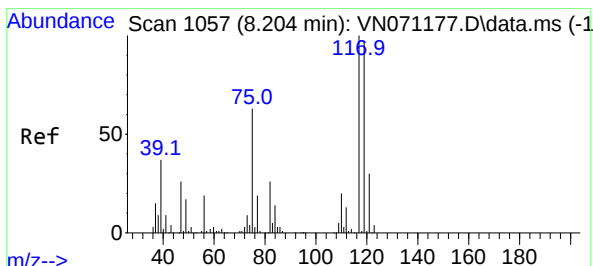
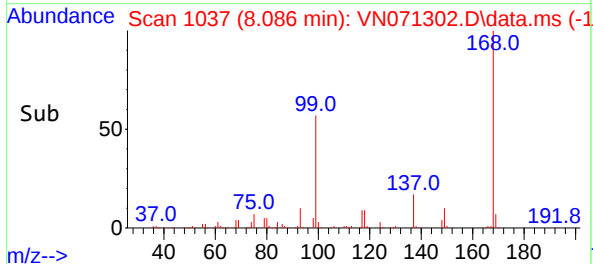
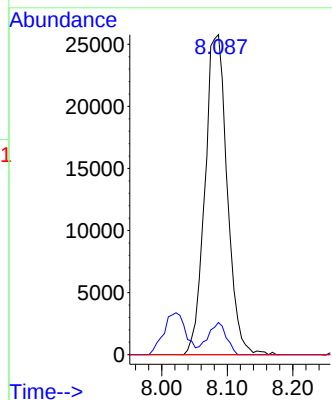
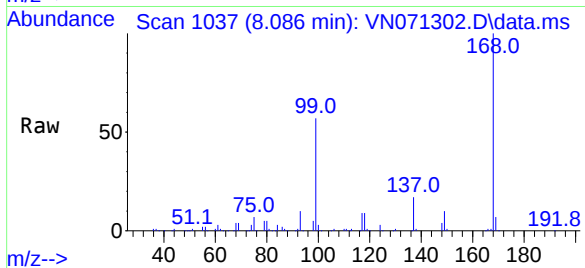
Tgt Ion: 75 Resp: 60745

Ion Ratio Lower Upper

75 100

110 8.5 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.997 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN071302.D

Acq: 15 Mar 2022 19:16

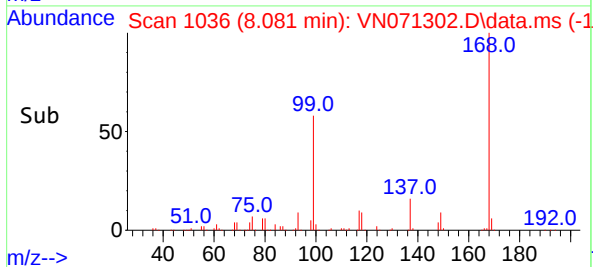
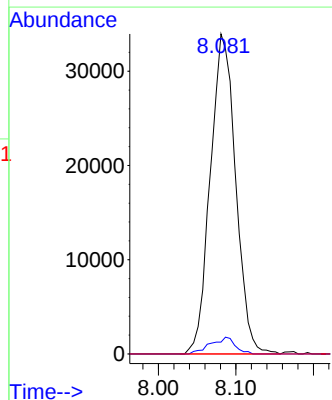
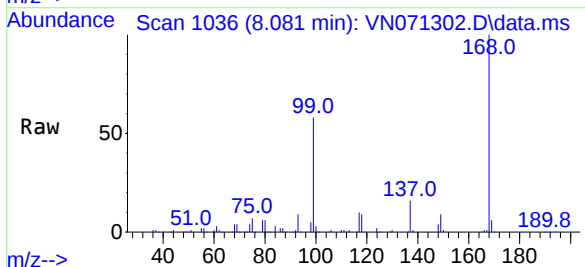
Tgt Ion: 117 Resp: 77221

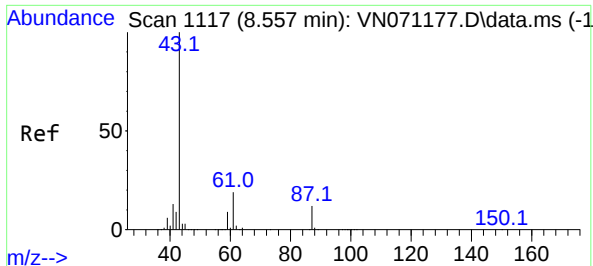
Ion Ratio Lower Upper

117 100

119 3.7 76.1 114.1#

121 0.0 24.2 36.2#

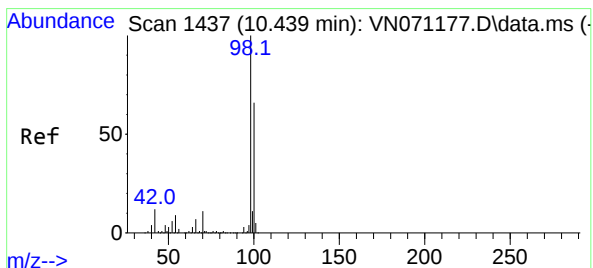
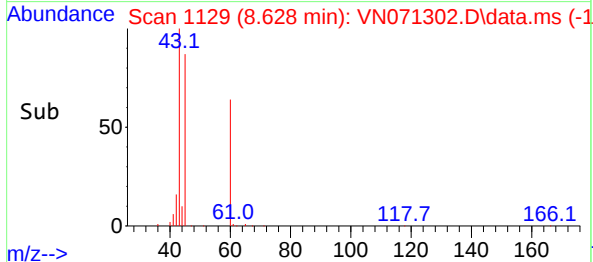
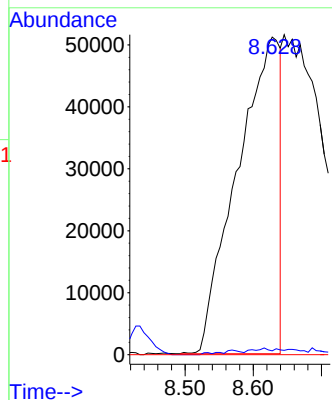
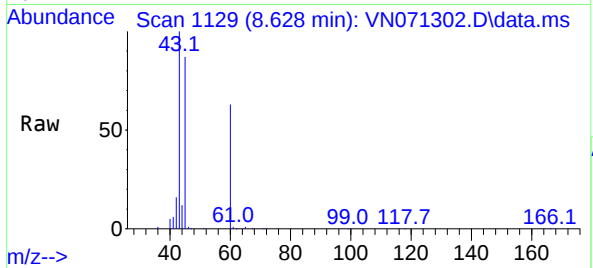




#43
Isopropyl Acetate
Concen: 8.147 ug/l
RT: 8.628 min Scan# 1117
Delta R.T. 0.071 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

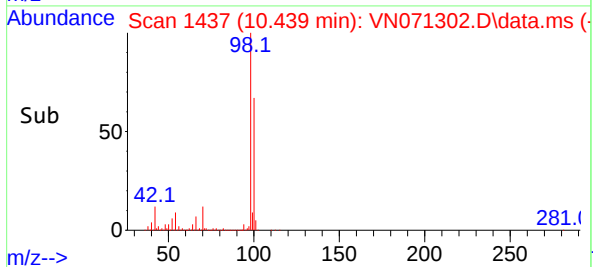
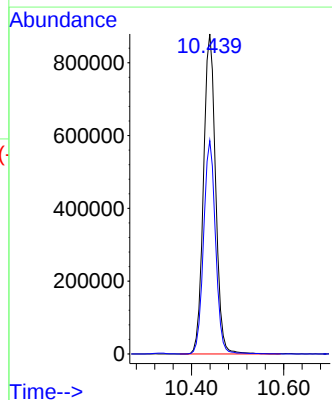
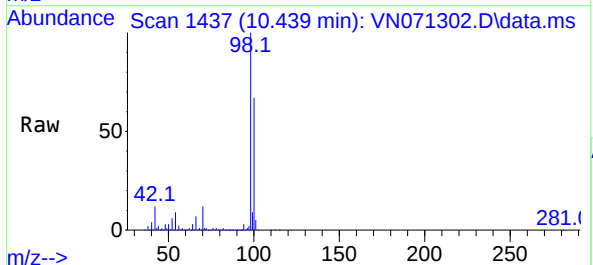
Instrument :
MSVOA_N
ClientSampleId :
30969

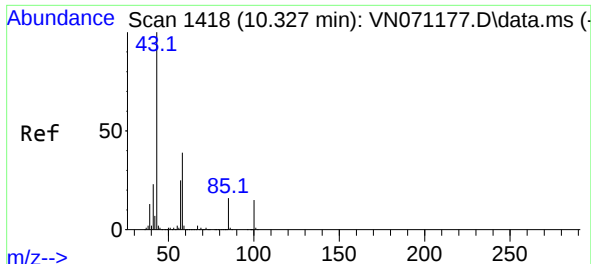
Tgt Ion: 43 Resp: 223232
Ion Ratio Lower Upper
43 100
61 0.5 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 48.151 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 98 Resp: 1610956
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6

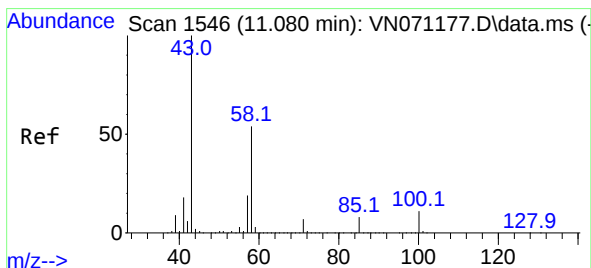
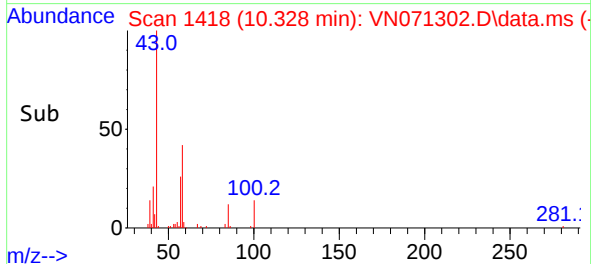
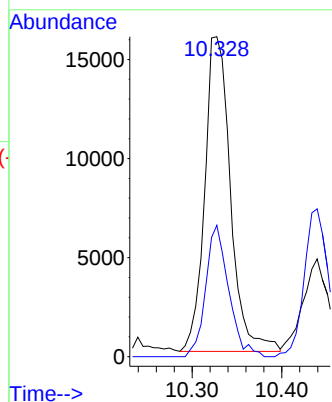
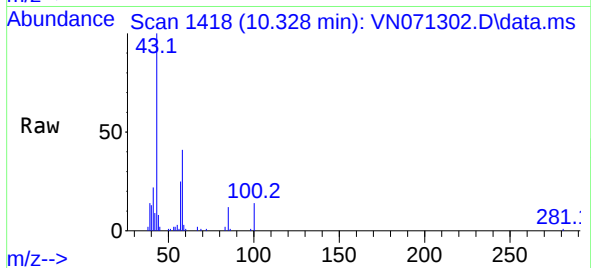




#51
4-Methyl-2-Pentanone
Concen: 1.869 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.001 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

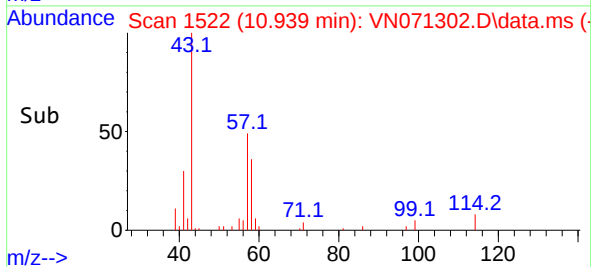
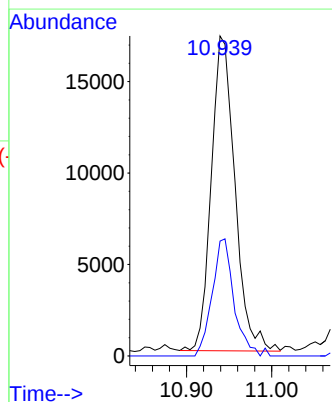
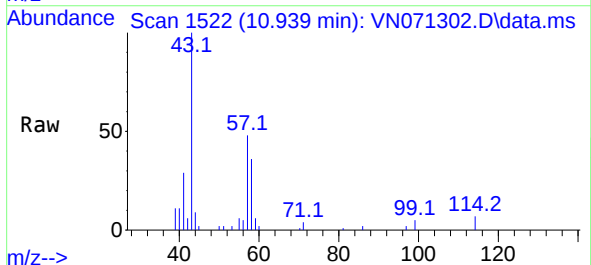
Instrument :
MSVOA_N
ClientSampleId :
30969

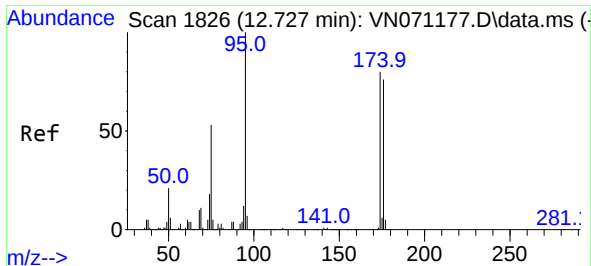
Tgt Ion: 43 Resp: 31784
Ion Ratio Lower Upper
43 100
58 37.0 30.4 45.6



#59
2-Hexanone
Concen: 2.861 ug/l
RT: 10.939 min Scan# 1522
Delta R.T. -0.141 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 43 Resp: 33192
Ion Ratio Lower Upper
43 100
58 34.4 26.9 80.7

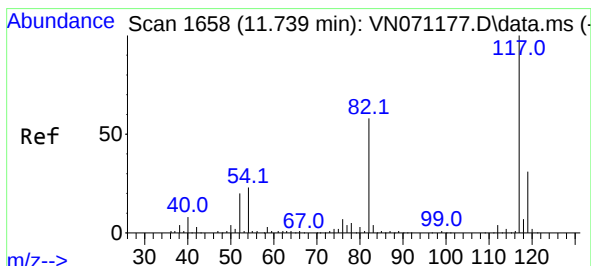
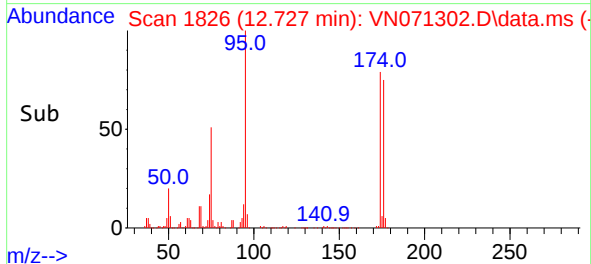
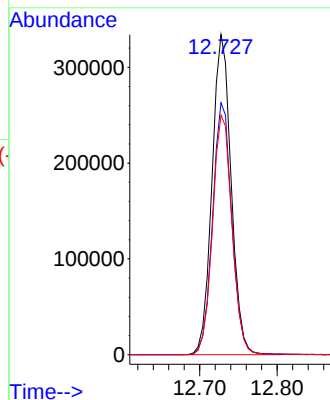
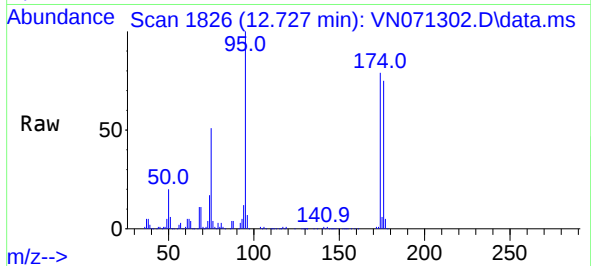




#62
4-Bromofluorobenzene
Concen: 50.417 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

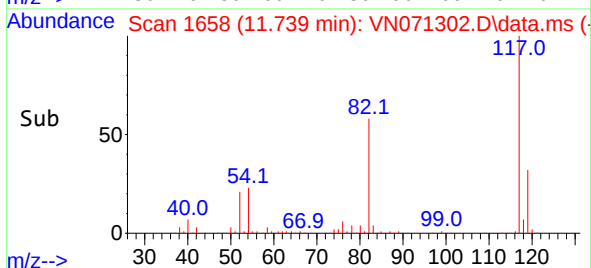
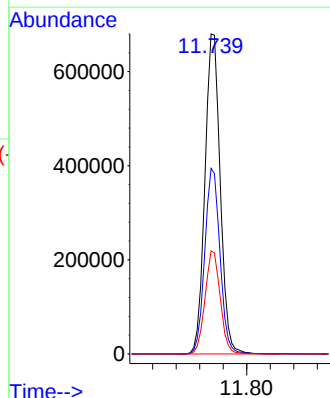
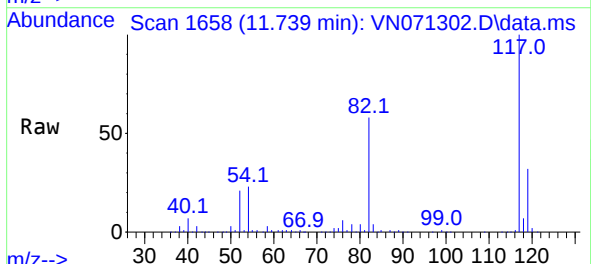
Instrument :
MSVOA_N
ClientSampleId :
30969

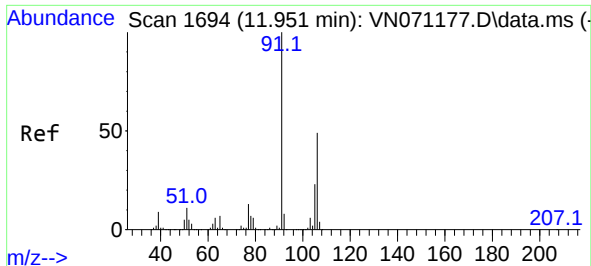
Tgt Ion: 95 Resp: 571181
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 76.0 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 117 Resp: 1228688
Ion Ratio Lower Upper
117 100
82 58.0 42.4 63.6
119 32.2 25.4 38.2

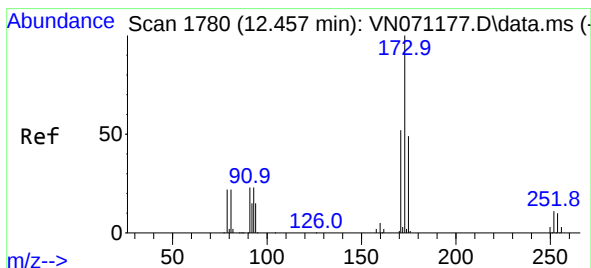
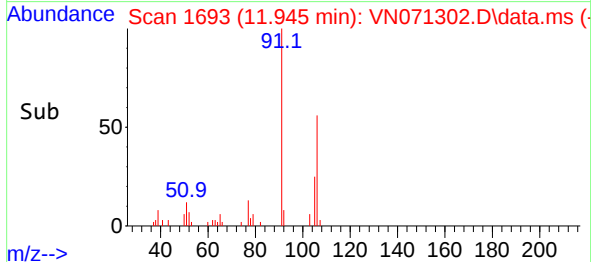
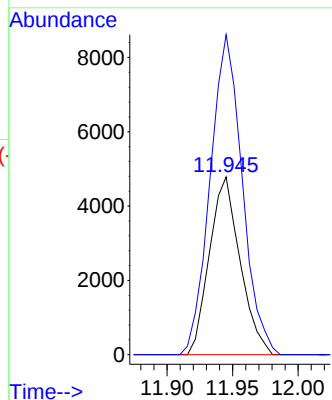
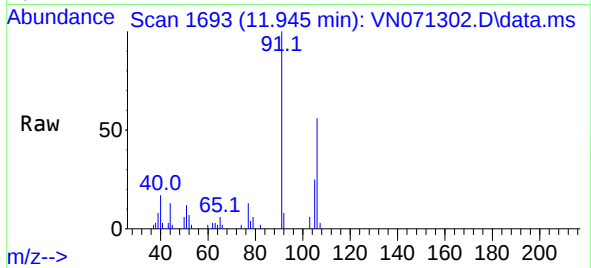




#68
m/p-Xylenes
Concen: 0.456 ug/l
RT: 11.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

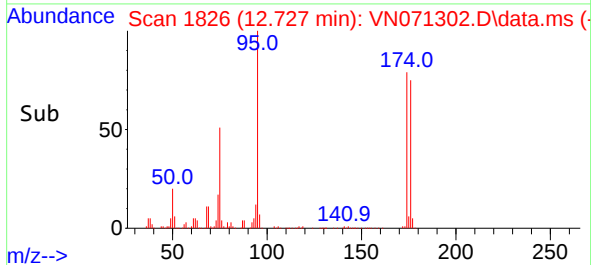
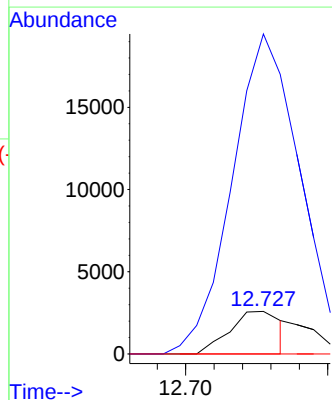
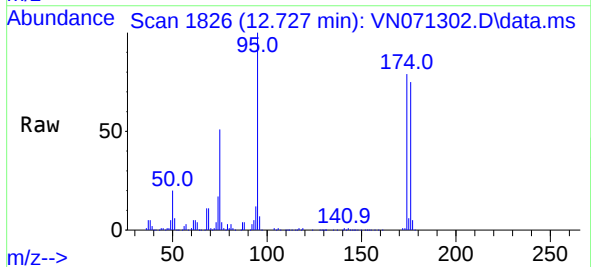
Instrument :
MSVOA_N
ClientSampleId :
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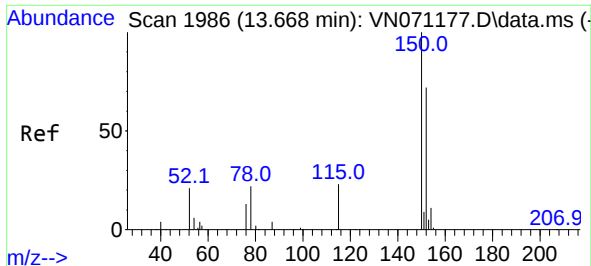
Tgt Ion:106 Resp: 7778
Ion Ratio Lower Upper
106 100
91 188.3 160.6 240.8



#71
Bromoform
Concen: 0.445 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion:173 Resp: 3271
Ion Ratio Lower Upper
173 100
175 743.3 24.2 72.6#
254 0.0 0.0 0.0

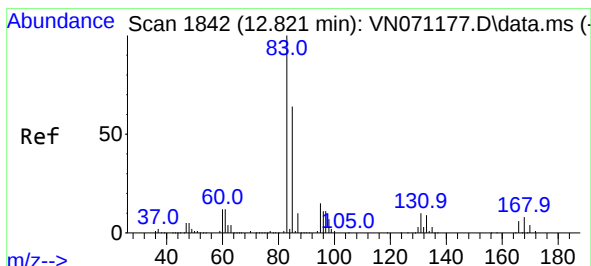
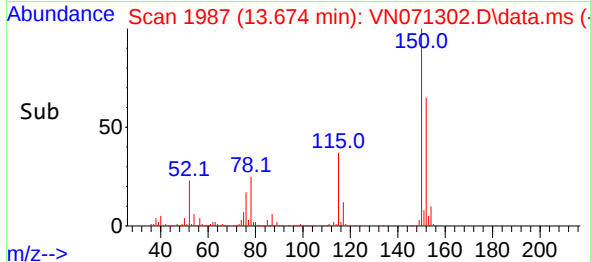
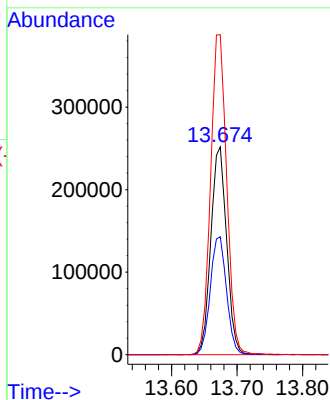
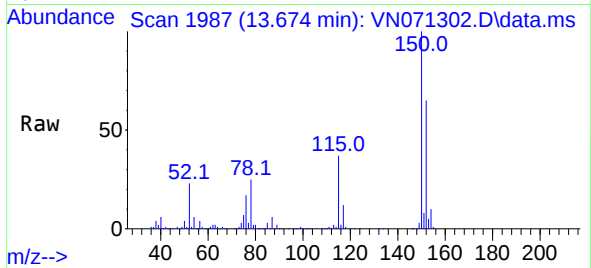




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071302.D
 Acq: 15 Mar 2022 19:16

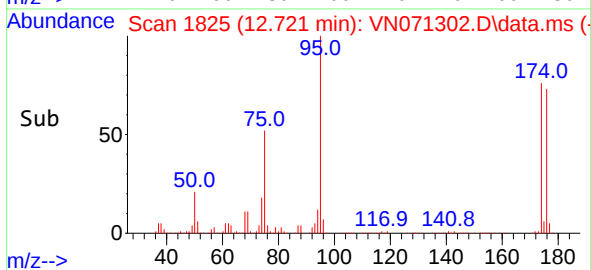
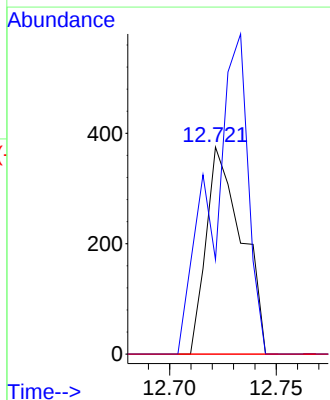
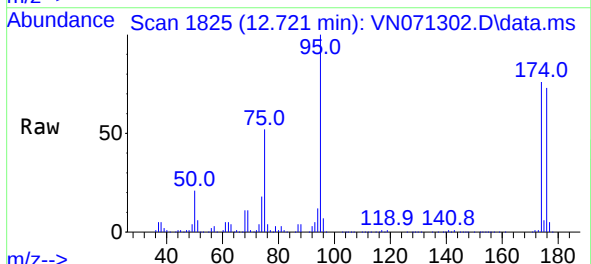
Instrument :
 MSVOA_N
 ClientSampleId :
 30969

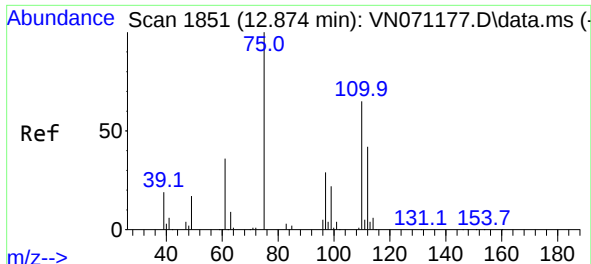
Tgt Ion:152 Resp: 422152
 Ion Ratio Lower Upper
 152 100
 115 58.4 27.5 82.5
 150 156.8 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.721 min Scan# 1825
 Delta R.T. -0.100 min
 Lab File: VN071302.D
 Acq: 15 Mar 2022 19:16

Tgt Ion: 83 Resp: 437
 Ion Ratio Lower Upper
 83 100
 131 155.1 5.5 16.5#
 85 0.0 32.4 97.2#

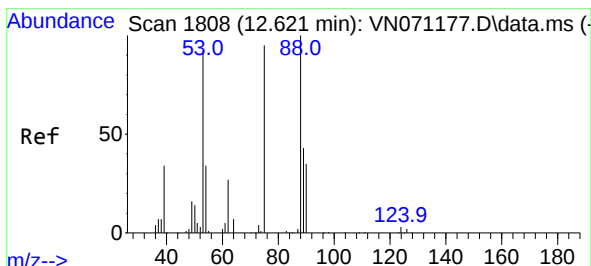
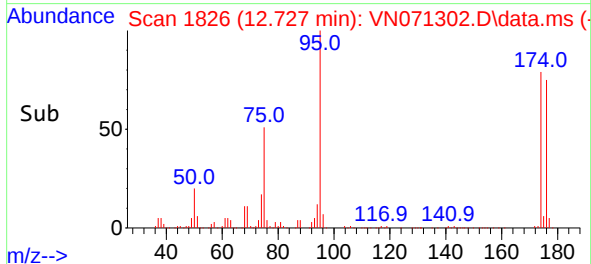
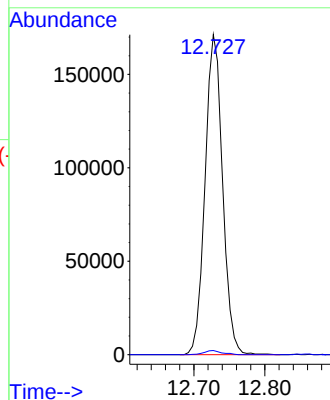
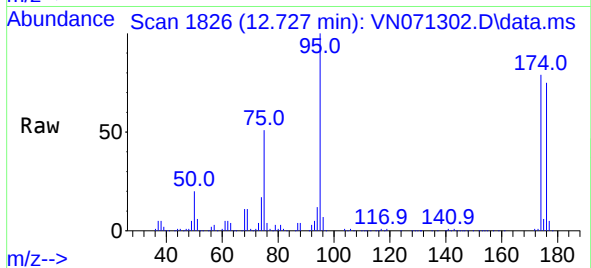




#76
1,2,3-Trichloropropane
Concen: 27.414 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

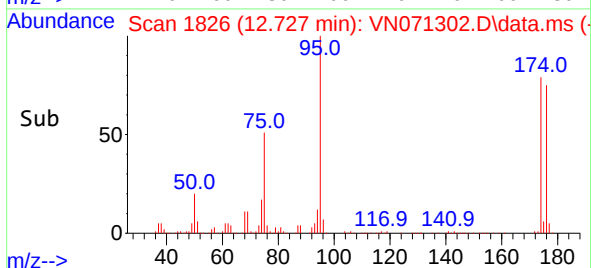
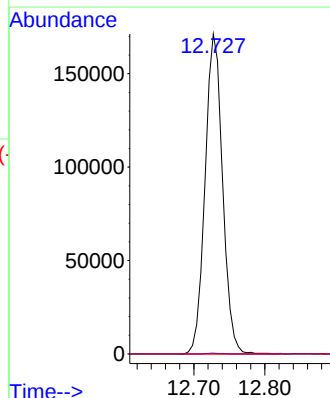
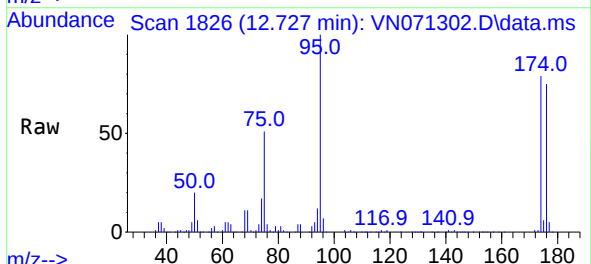
Instrument :
MSVOA_N
ClientSampleId :
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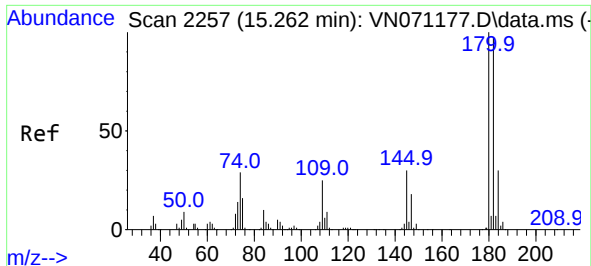
Tgt Ion: 75 Resp: 293535
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.165 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion: 75 Resp: 293535
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 38.2 57.4#

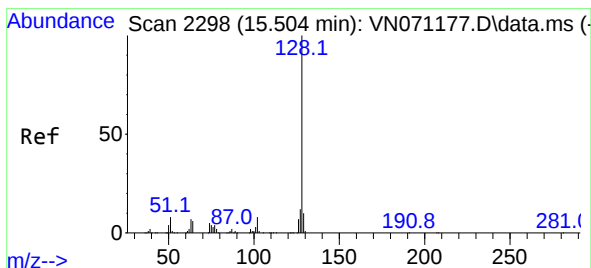
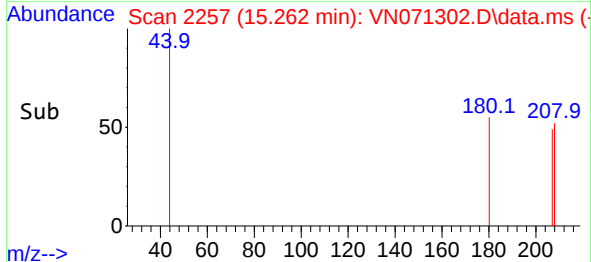
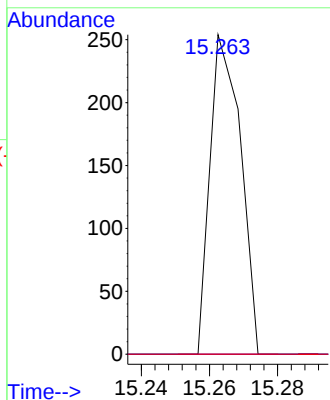
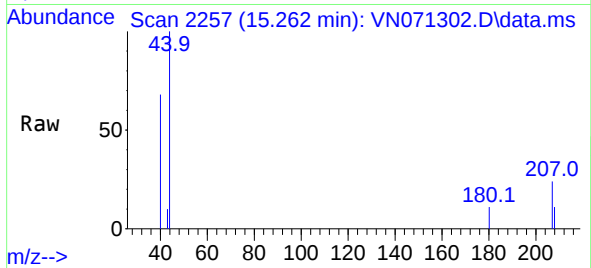




#93
1,2,4-Trichlorobenzene
Concen: 3.011 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

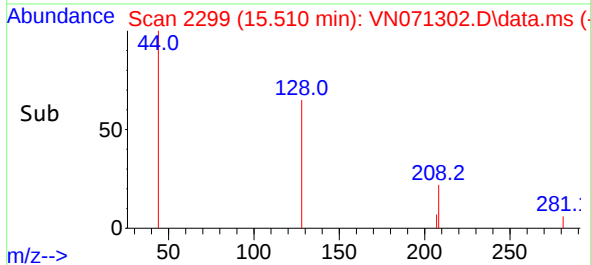
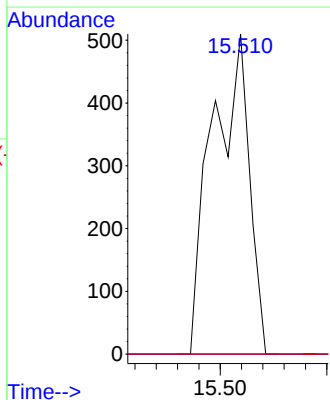
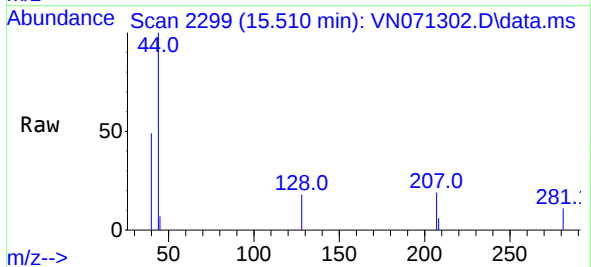
Instrument :
MSVOA_N
ClientSampleId :
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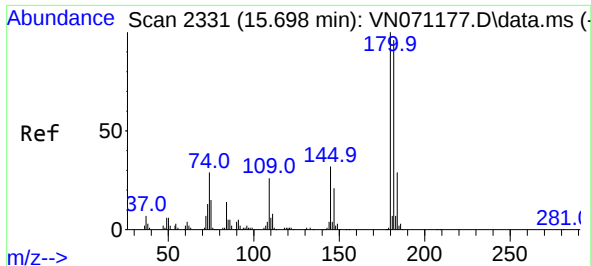
Tgt Ion:180 Resp: 158
Ion Ratio Lower Upper
180 100
182 0.0 48.3 144.9#
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 5.096 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN071302.D
Acq: 15 Mar 2022 19:16

Tgt Ion:128 Resp: 613
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.749 ug/l

RT: 15.698 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN071302.D

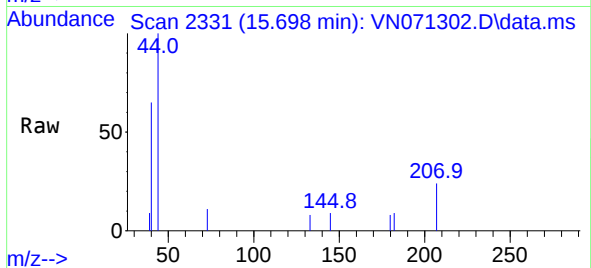
Acq: 15 Mar 2022 19:16

Instrument :

MSVOA_N

ClientSampleId :

30969



Tgt Ion:180 Resp: 122

Ion Ratio Lower Upper

180 100

182 152.5 47.4 142.2#

145 59.0 15.0 45.1#

