

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051922\
 Data File : VN072550.D
 Acq On : 19 May 2022 12:19
 Operator : JC\MD
 Sample : VN0519MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBL01

Quant Time: May 20 06:50:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051822W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 02:22:47 2022
 Response via : Initial Calibration

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

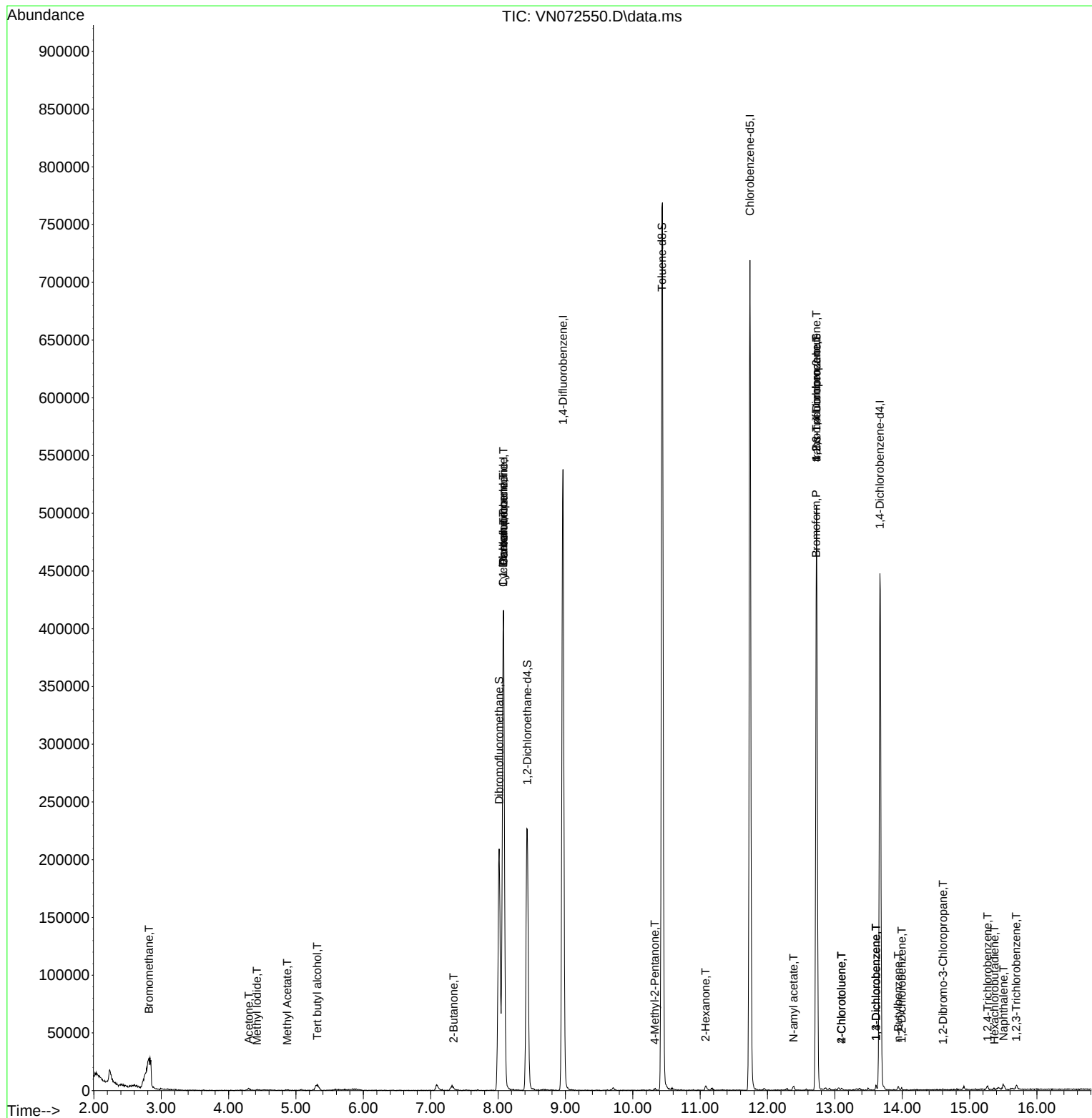
Internal Standards						
1) Pentafluorobenzene	8.080	168	303629	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	452519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	394278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	122171	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	214095	45.383	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.760%		
35) Dibromofluoromethane	8.016	113	148578	48.661	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.320%		
50) Toluene-d8	10.433	98	527659	45.656	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	91.320%		
62) 4-Bromofluorobenzene	12.727	95	164854	37.551	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	75.100%		
Target Compounds						Qvalue
5) Bromomethane	2.816	94	1667	0.693	ug/l	91
6) Chloroethane	2.922	64	54	Below Cal	#	42
10) Methyl Iodide	4.422	142	964	0.268	ug/l #	74
11) Tert butyl alcohol	5.316	59	5250	12.166	ug/l #	72
16) Acetone	4.298	43	1500	1.049	ug/l #	42
18) Methyl Acetate	4.869	43	902	0.505	ug/l #	48
25) 2-Butanone	7.339	43	924	0.411	ug/l	90
31) Cyclohexane	8.075	56	7145	1.363	ug/l #	37
36) 1,1-Dichloropropene	8.075	75	23747	5.713	ug/l #	51
38) Carbon Tetrachloride	8.080	117	33946	6.598	ug/l #	15
51) 4-Methyl-2-Pentanone	10.327	43	1372	0.283	ug/l #	69
59) 2-Hexanone	11.080	43	3301	0.980	ug/l	80
71) Bromoform	12.721	173	653	0.262	ug/l #	28
74) N-amyl acetate	12.386	43	2279	0.677	ug/l #	83
76) 1,2,3-Trichloropropane	12.727	75	94776	25.680	ug/l #	1
79) 2-Chlorotoluene	13.098	91	1591	0.215	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.727	75	94776	107.058	ug/l #	10
82) 4-Chlorotoluene	13.098	91	1591	0.231	ug/l	96
87) 1,3-Dichlorobenzene	13.609	146	951	0.224	ug/l	75
88) 1,4-Dichlorobenzene	13.609	146	951	0.231	ug/l	72
89) n-Butylbenzene	13.939	91	2200	0.366	ug/l	90
91) 1,2-Dichlorobenzene	13.992	146	1003	0.236	ug/l #	68
92) 1,2-Dibromo-3-Chloropr...	14.604	75	229	0.354	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.268	180	1429	0.769	ug/l #	82
94) Hexachlorobutadiene	15.368	225	326	0.279	ug/l #	52
95) Naphthalene	15.503	128	5965	1.108	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.692	180	1577	0.823	ug/l	94

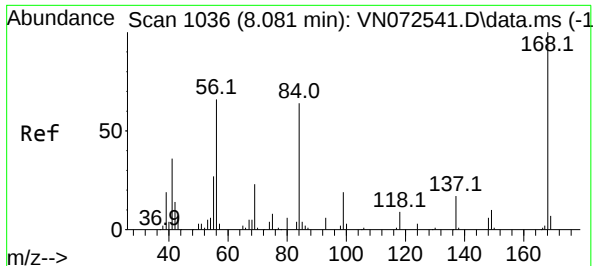
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051922\
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Sample : VN0519MBL01
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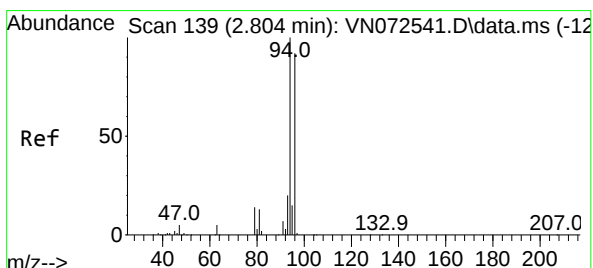
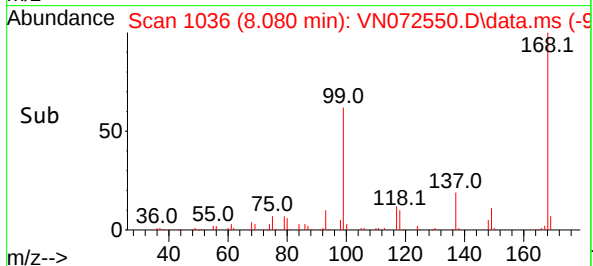
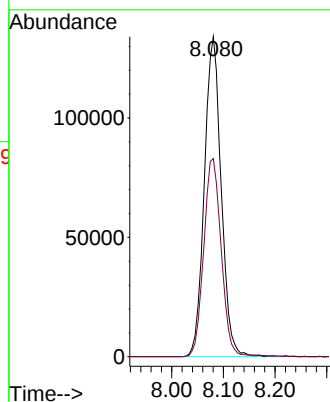
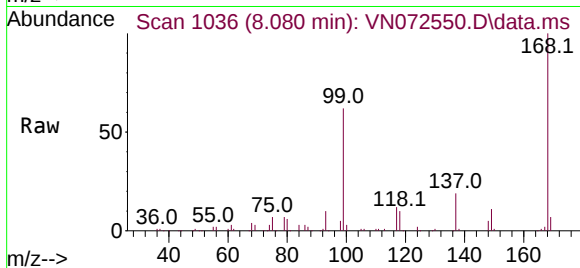




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

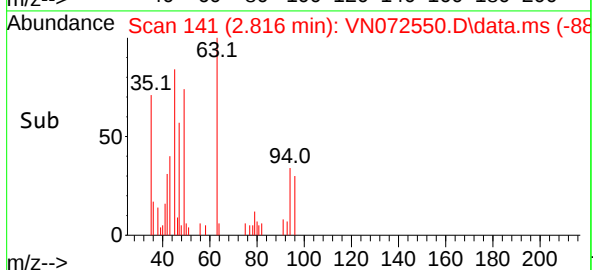
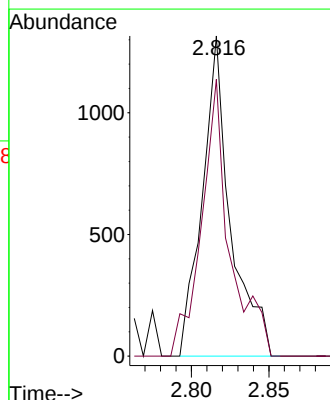
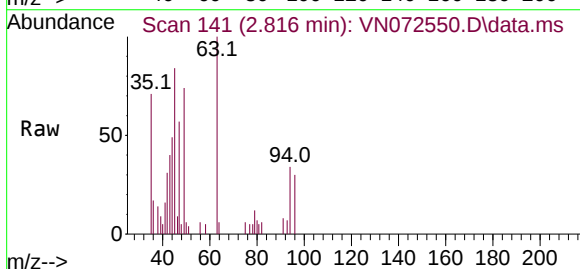
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

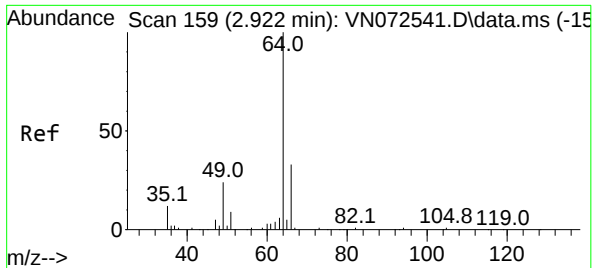
Tgt Ion:168 Resp: 303629
Ion Ratio Lower Upper
168 100
99 61.9 42.3 63.5



#5
Bromomethane
Concen: 0.693 ug/l
RT: 2.816 min Scan# 141
Delta R.T. 0.012 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 94 Resp: 1667
Ion Ratio Lower Upper
94 100
96 86.5 76.0 114.0

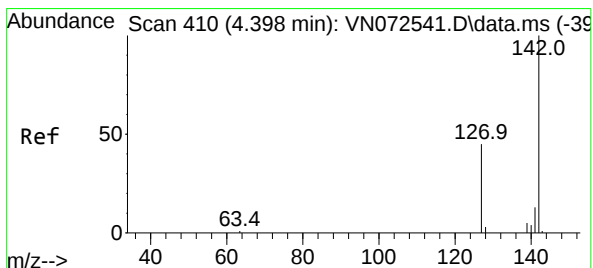
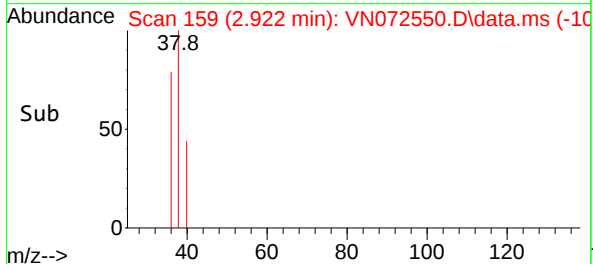
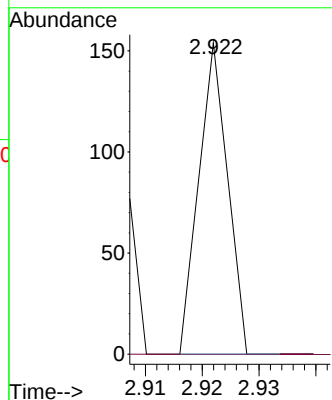
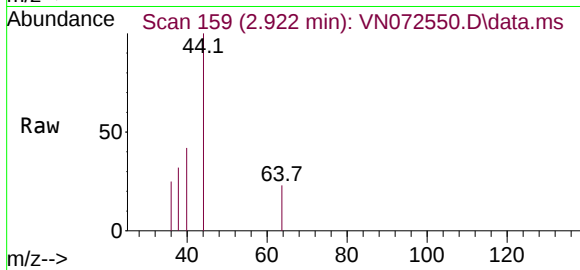




#6
Chloroethane
Concen: Below Cal
RT: 2.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

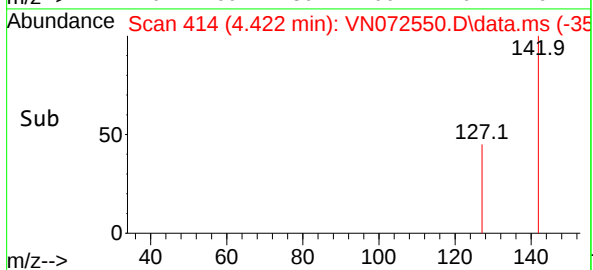
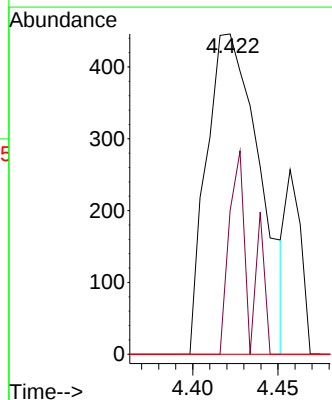
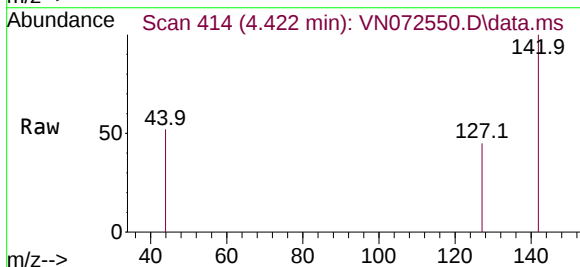
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

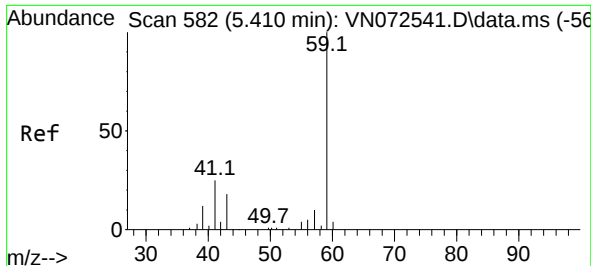
Tgt Ion: 64 Resp: 54
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 0.268 ug/l
RT: 4.422 min Scan# 414
Delta R.T. 0.024 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 142 Resp: 964
Ion Ratio Lower Upper
142 100
127 24.9 31.3 46.9#
141 0.0 11.2 16.8#

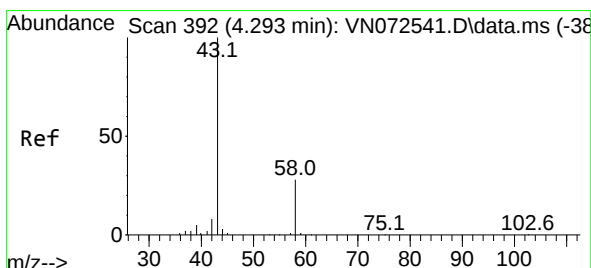
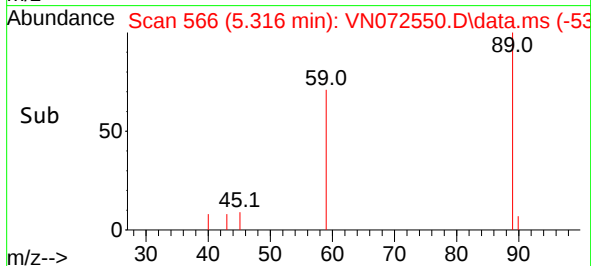
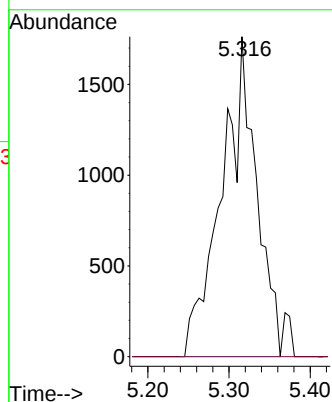
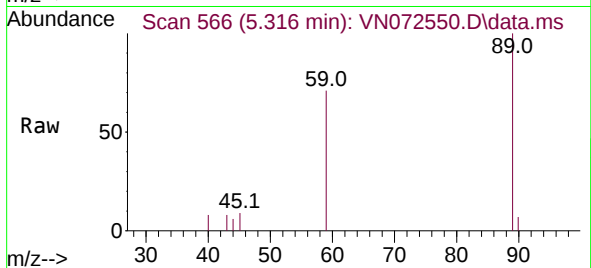




#11
Tert butyl alcohol
Concen: 12.166 ug/l
RT: 5.316 min Scan# 50
Delta R.T. -0.094 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

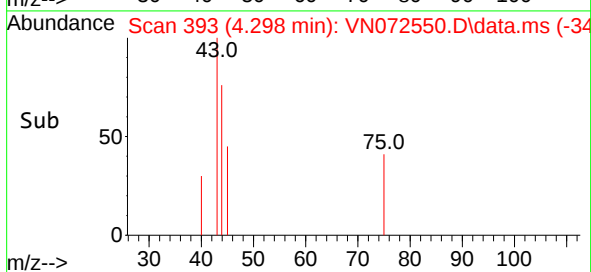
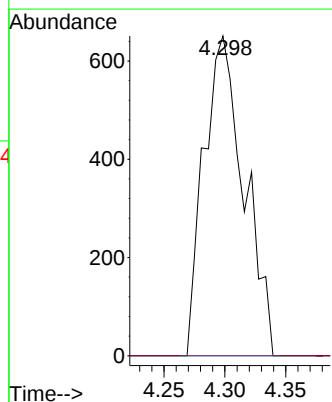
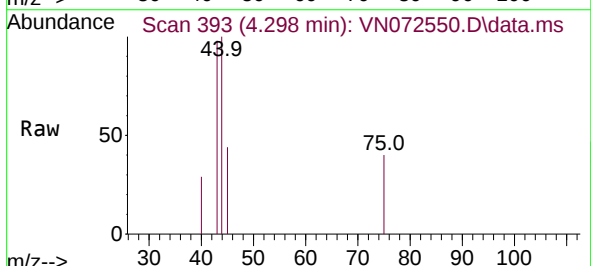
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

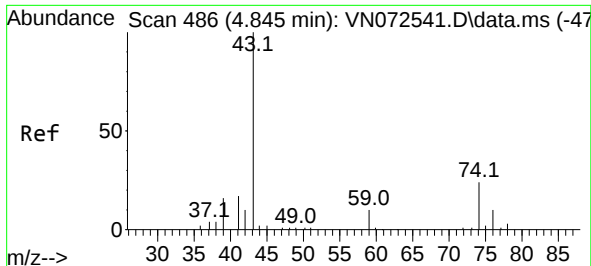
Tgt Ion: 59 Resp: 5250
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.049 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.005 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

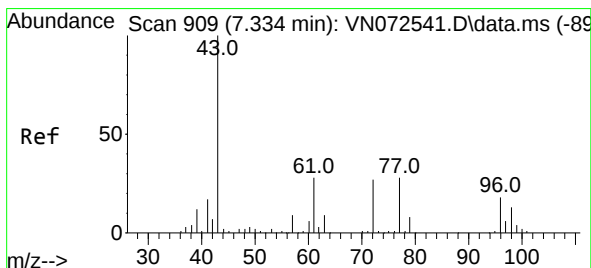
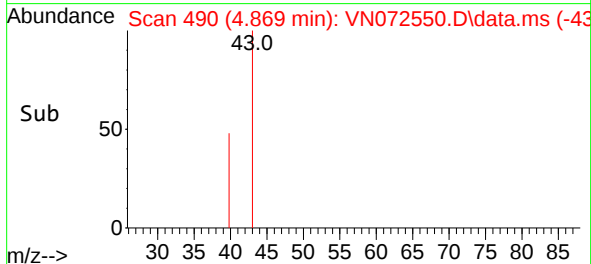
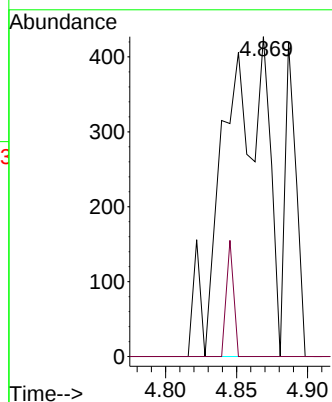
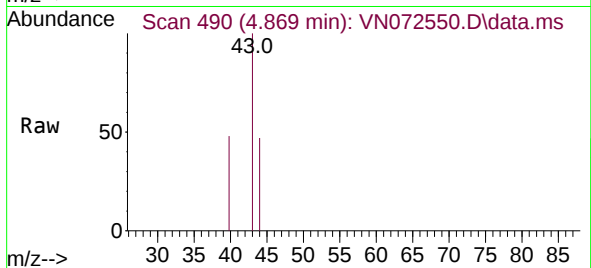




#18
Methyl Acetate
Concen: 0.505 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

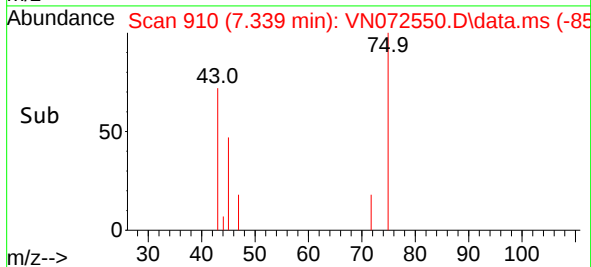
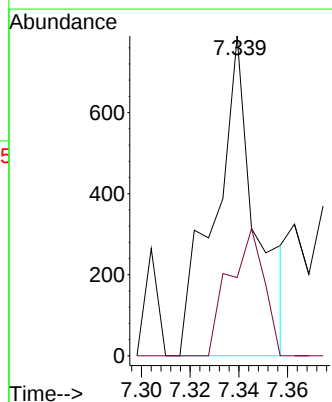
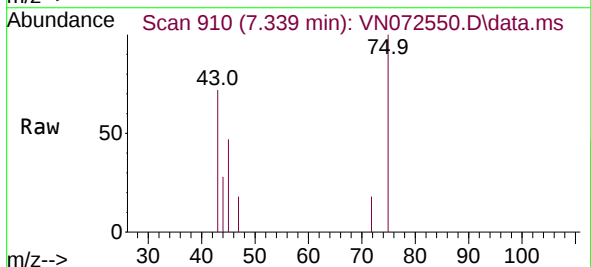
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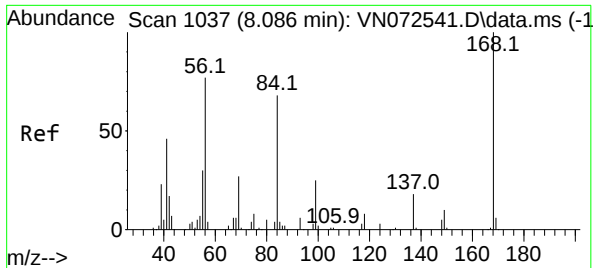
Tgt Ion: 43 Resp: 902
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#25
2-Butanone
Concen: 0.411 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.005 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
72 24.5 23.7 35.5

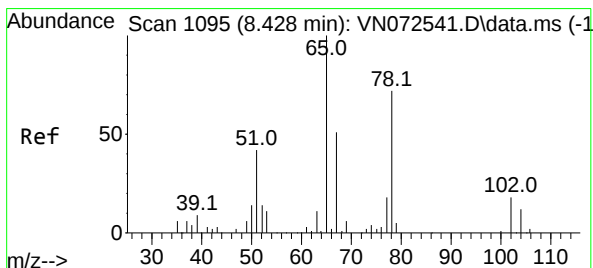
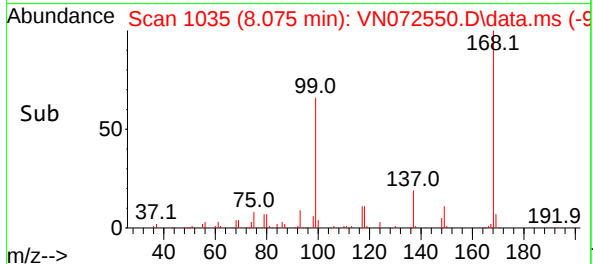
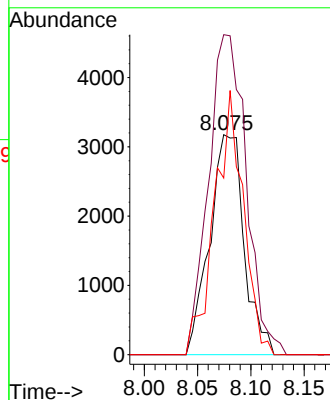
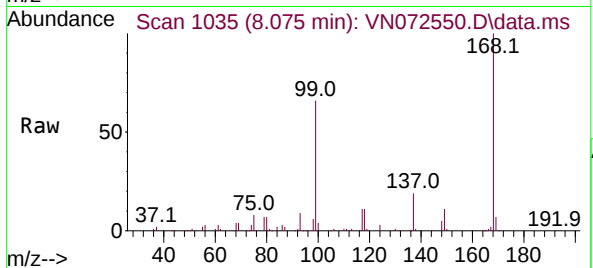




#31
Cyclohexane
Concen: 1.363 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.011 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

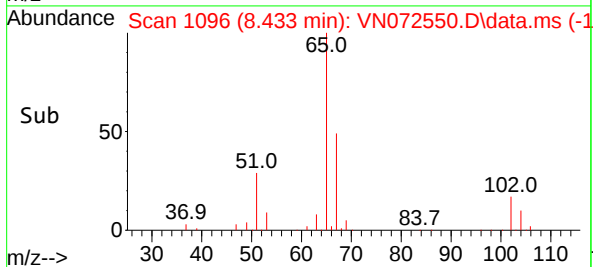
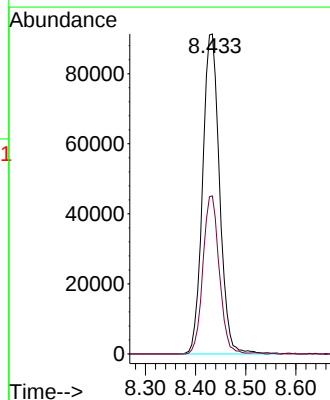
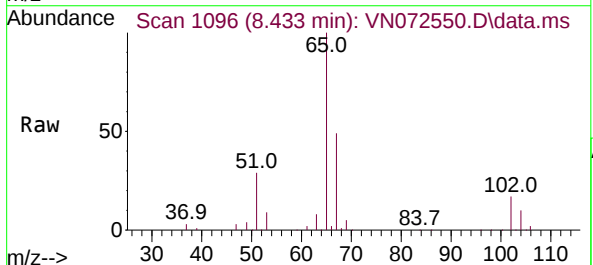
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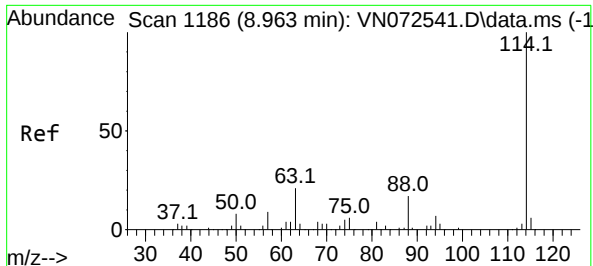
Tgt Ion: 56 Resp: 7145
Ion Ratio Lower Upper
56 100
69 145.4 27.8 41.8#
84 80.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 45.383 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.005 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 65 Resp: 214095
Ion Ratio Lower Upper
65 100
67 47.7 0.0 104.8

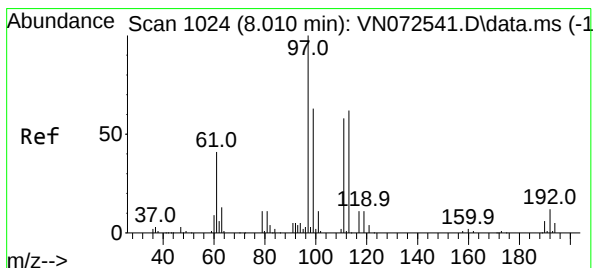
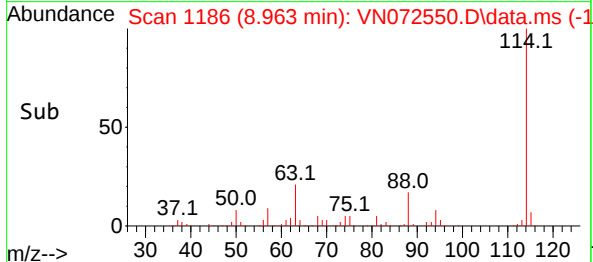
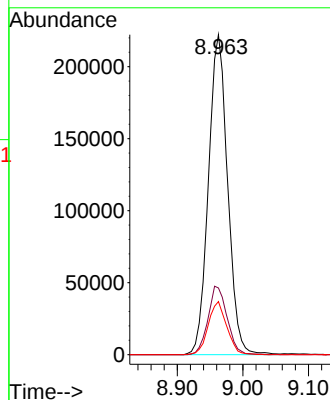
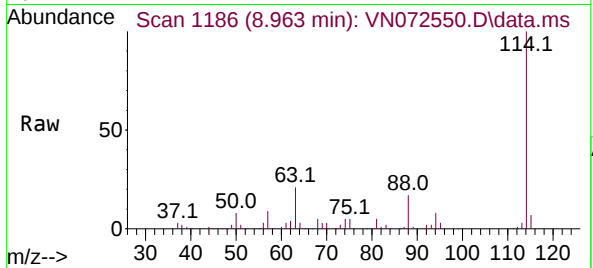




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

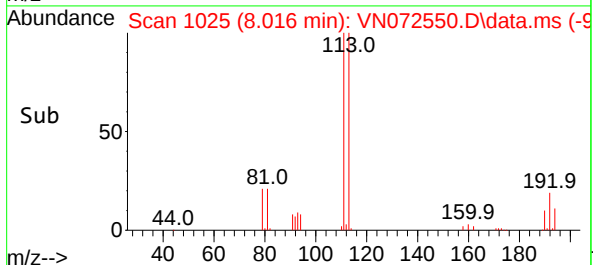
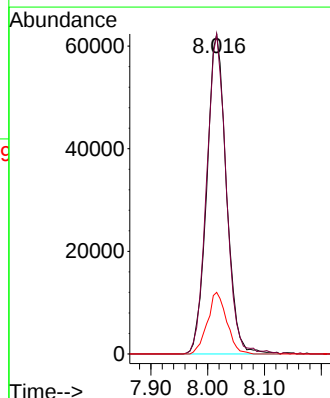
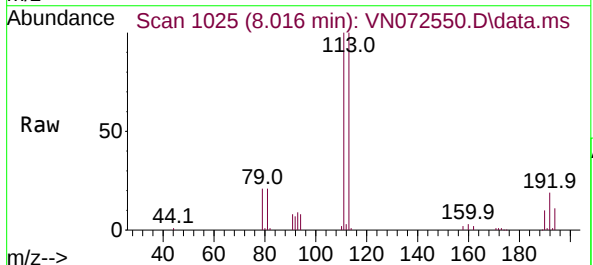
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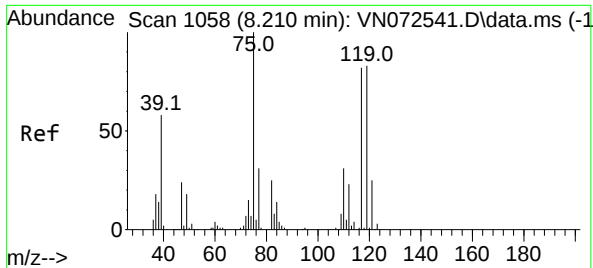
Tgt Ion:114 Resp: 452519
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.0
88 16.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.661 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion:113 Resp: 148578
Ion Ratio Lower Upper
113 100
111 99.5 81.4 122.0
192 19.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.713 ug/l

RT: 8.075 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072550.D

Acq: 19 May 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBL01

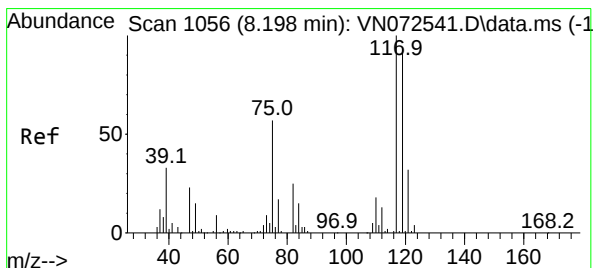
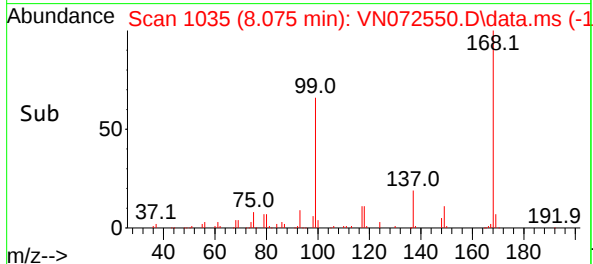
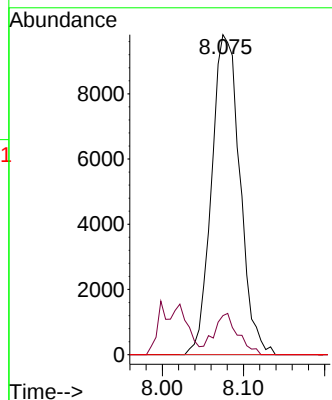
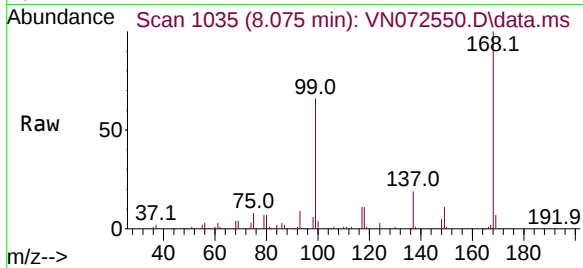
Tgt Ion: 75 Resp: 23747

Ion Ratio Lower Upper

75 100

110 11.1 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.598 ug/l

RT: 8.080 min Scan# 1036

Delta R.T. -0.118 min

Lab File: VN072550.D

Acq: 19 May 2022 12:19

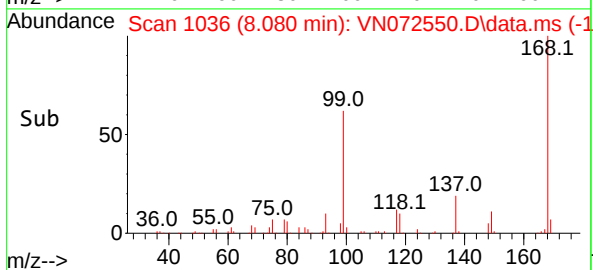
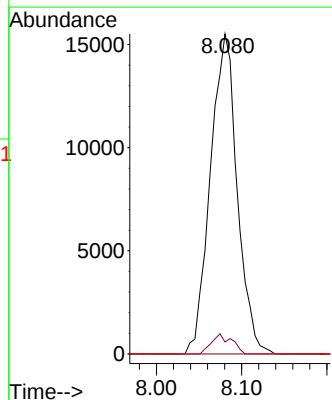
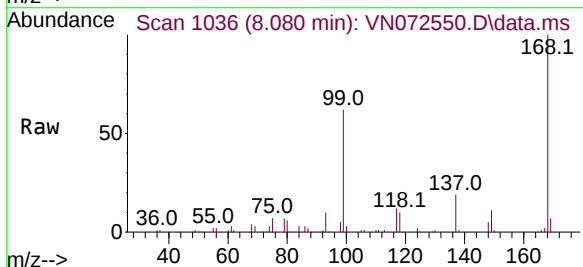
Tgt Ion: 117 Resp: 33946

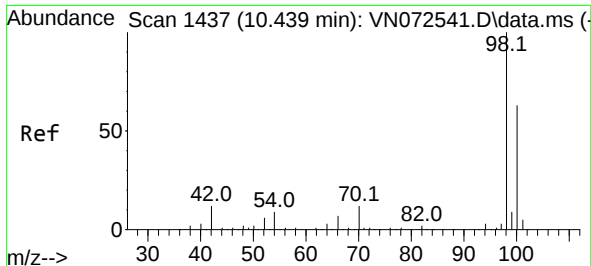
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.8#

121 0.0 24.6 37.0#

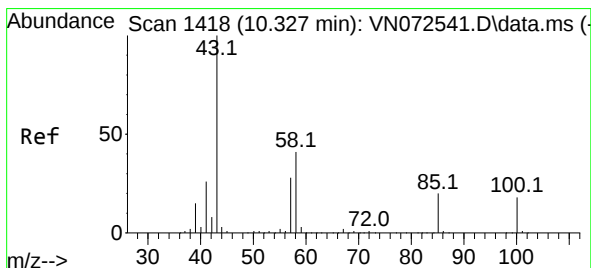
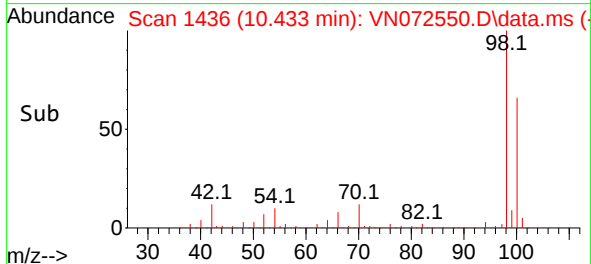
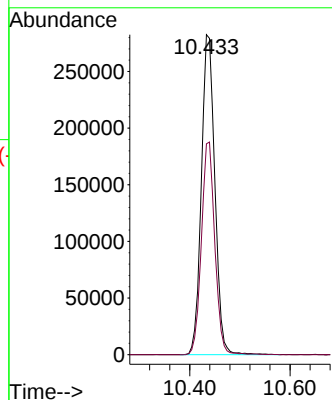
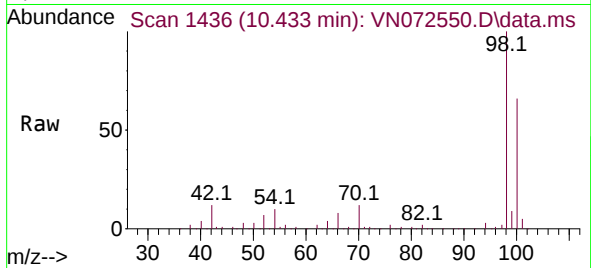




#50
Toluene-d8
Concen: 45.656 ug/l
RT: 10.433 min Scan# 1437
Delta R.T. -0.006 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

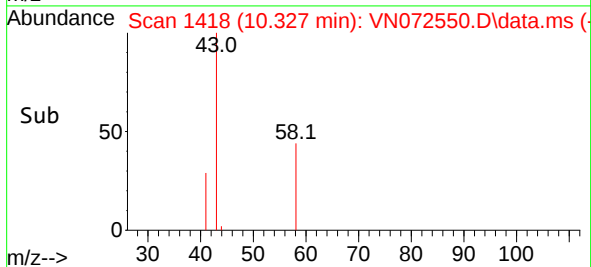
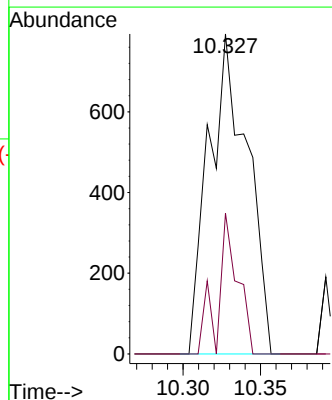
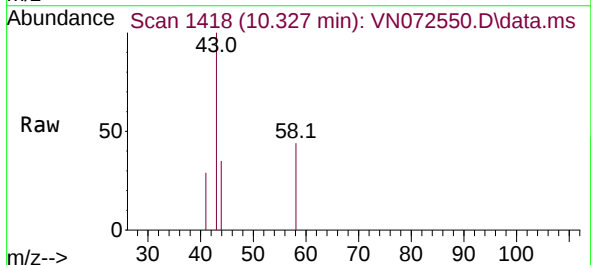
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

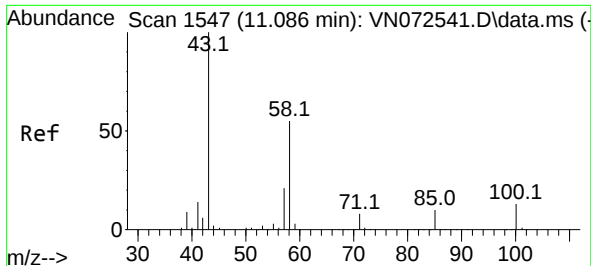
Tgt Ion: 98 Resp: 527659
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.283 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 43 Resp: 1372
Ion Ratio Lower Upper
43 100
58 22.7 34.1 51.1#

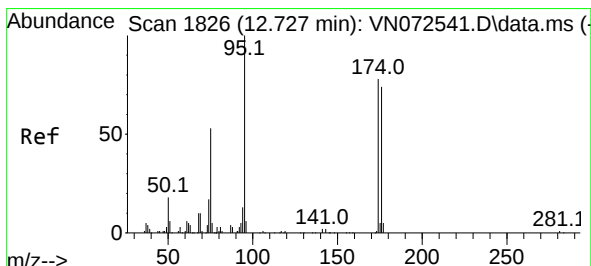
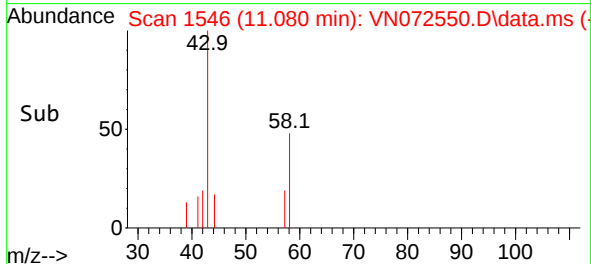
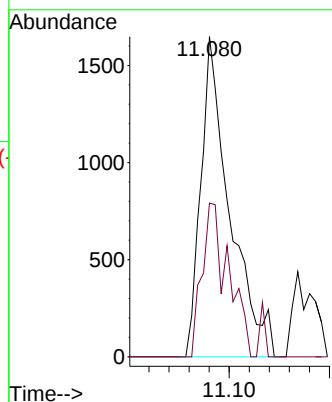
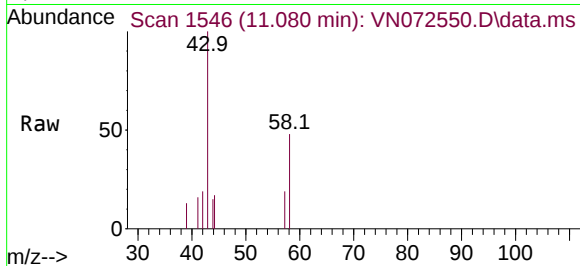




#59
2-Hexanone
Concen: 0.980 ug/l
RT: 11.080 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

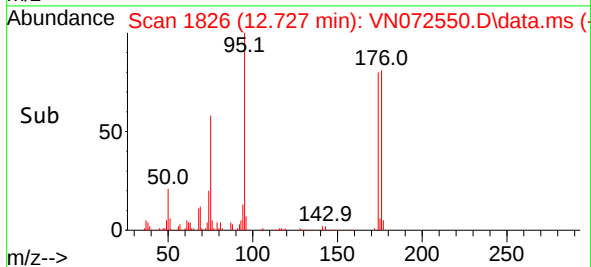
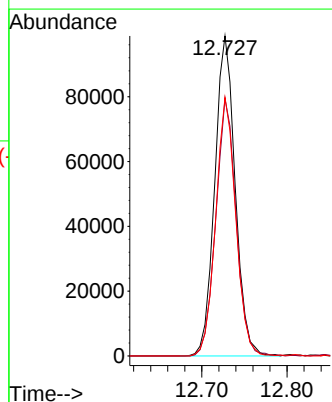
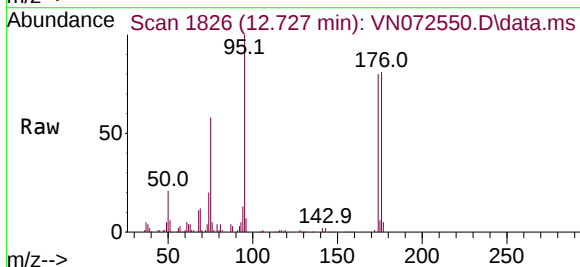
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

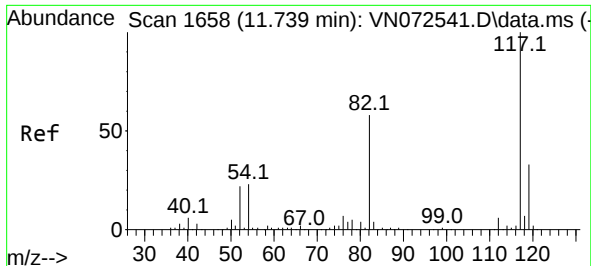
Tgt Ion: 43 Resp: 3301
Ion Ratio Lower Upper
43 100
58 44.0 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 37.551 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 95 Resp: 164854
Ion Ratio Lower Upper
95 100
174 79.8 0.0 167.6
176 79.4 0.0 163.4

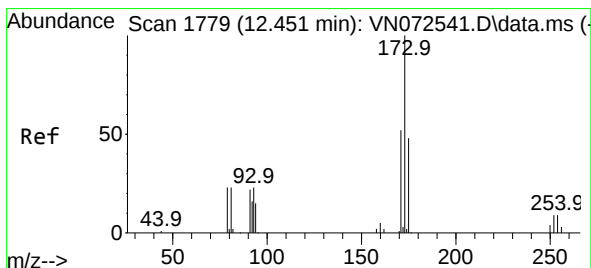
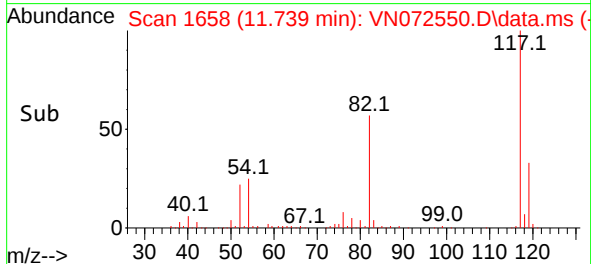
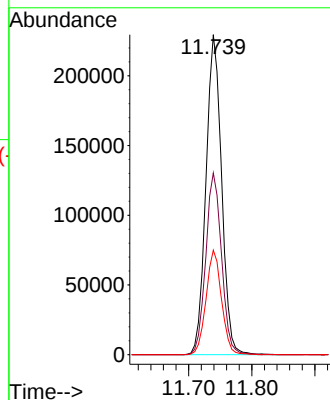
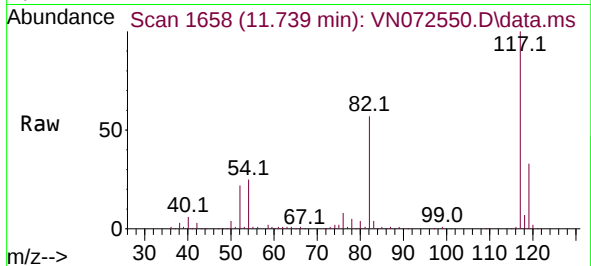




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

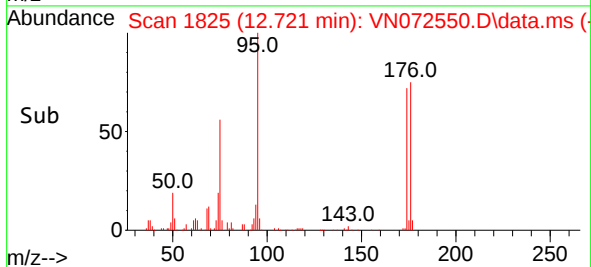
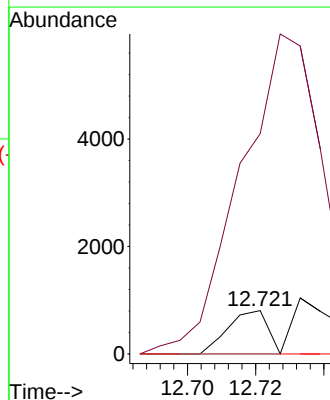
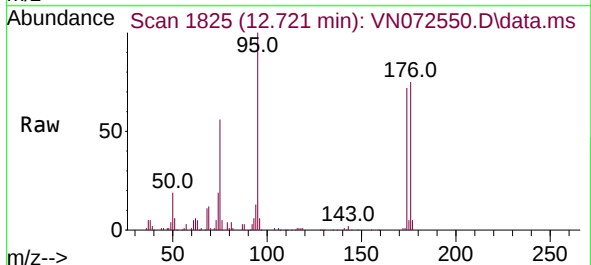
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

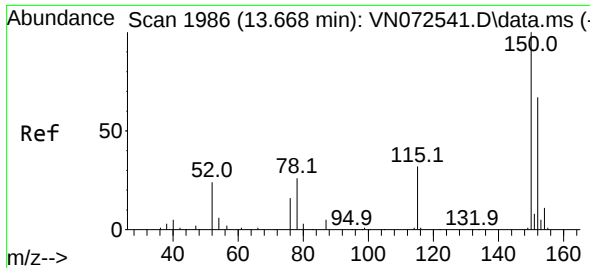
Tgt Ion:117 Resp: 394278
Ion Ratio Lower Upper
117 100
82 56.8 44.2 66.2
119 32.6 25.4 38.0



#71
Bromoform
Concen: 0.262 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion:173 Resp: 653
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

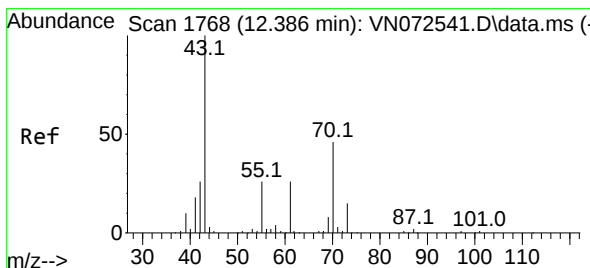
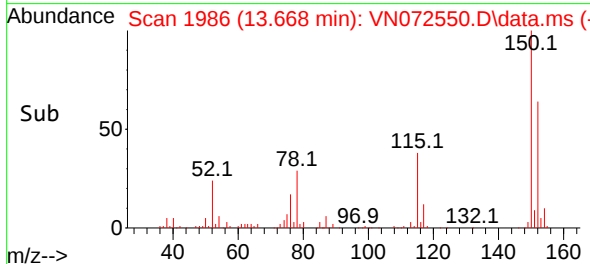
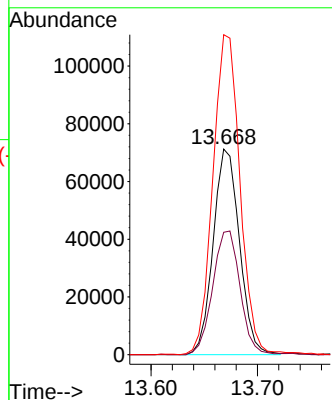
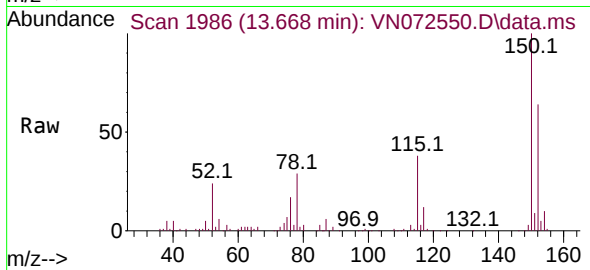




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

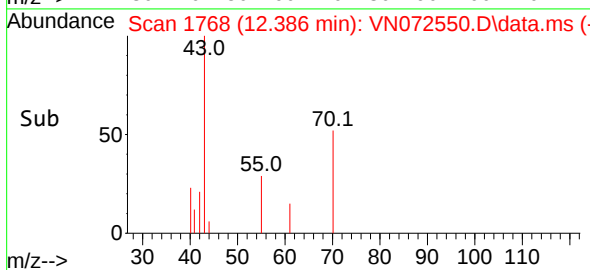
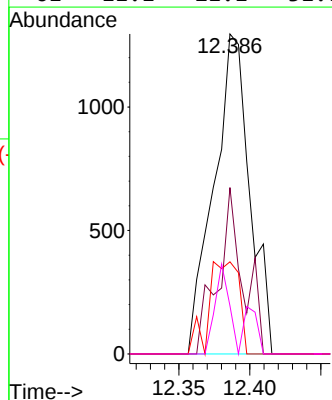
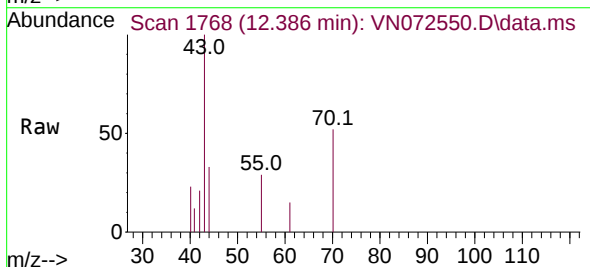
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

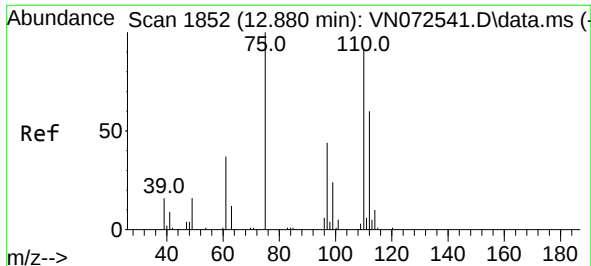
Tgt Ion:152 Resp: 122171
Ion Ratio Lower Upper
152 100
115 62.7 28.9 86.7
150 160.9 0.0 356.2



#74
N-ethyl acetate
Concen: 0.677 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
70 36.5 39.0 58.4#
55 24.4 21.1 31.7
61 11.1 21.1 31.7#

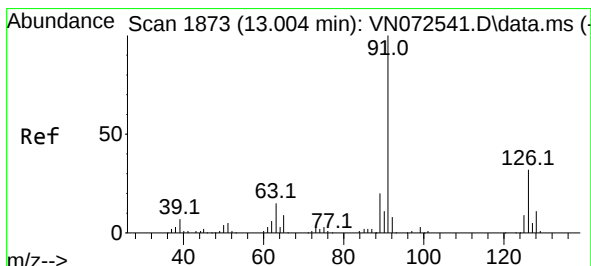
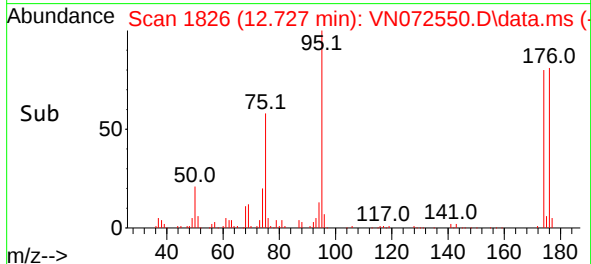
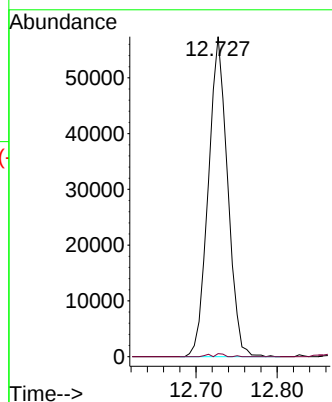
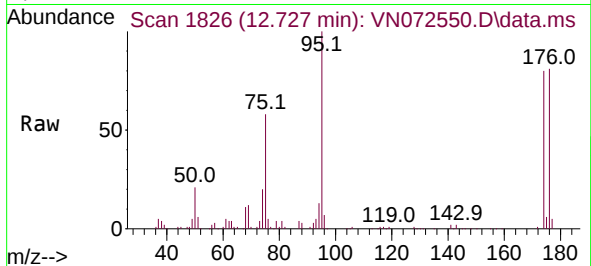




#76
1,2,3-Trichloropropane
Concen: 25.680 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.153 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

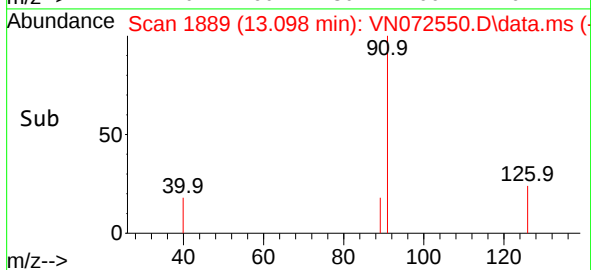
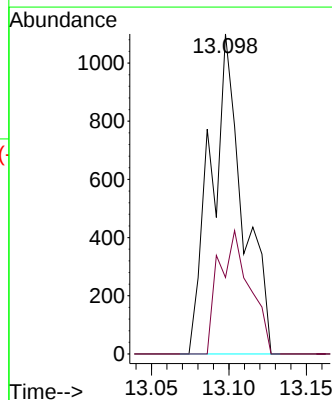
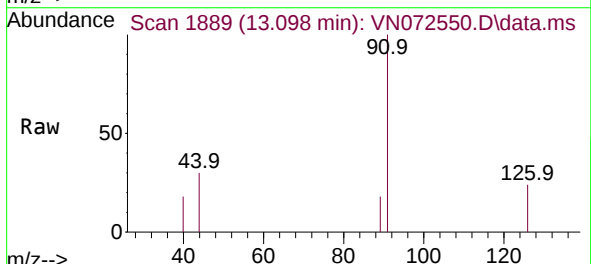
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

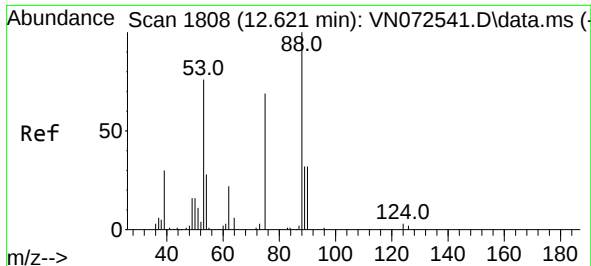
Tgt Ion: 75 Resp: 94776
Ion Ratio Lower Upper
75 100
77 0.4 98.5 295.5#



#79
2-Chlorotoluene
Concen: 0.215 ug/l
RT: 13.098 min Scan# 1889
Delta R.T. 0.094 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 91 Resp: 1591
Ion Ratio Lower Upper
91 100
126 36.8 17.3 51.9

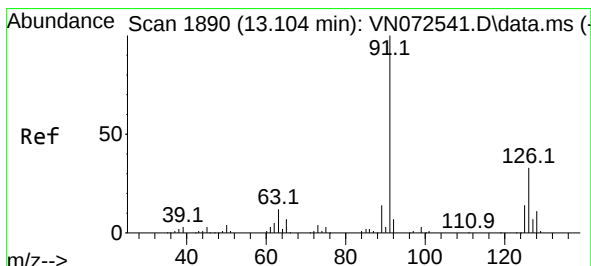
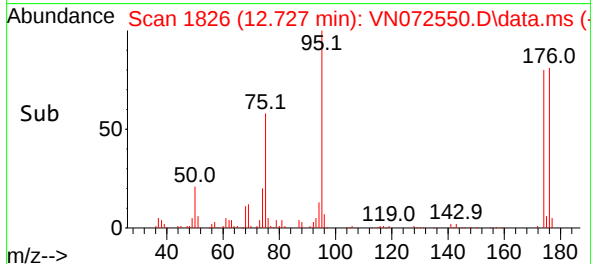
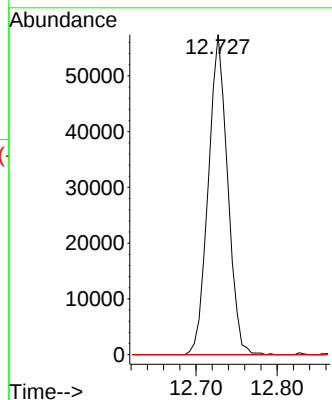
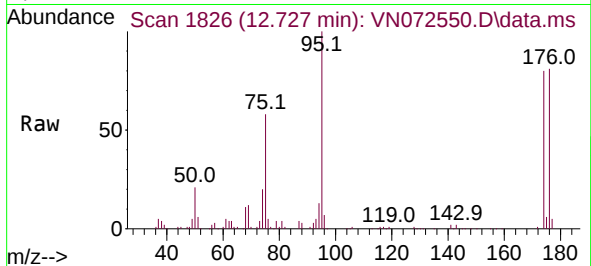




#81
trans-1,4-Dichloro-2-butene
Concen: 107.058 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

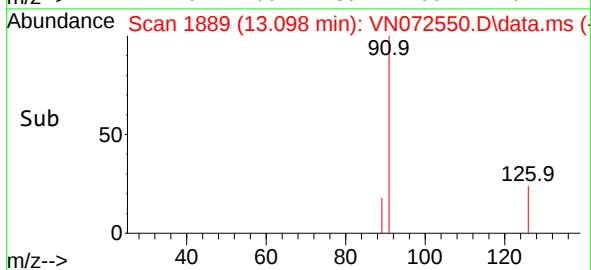
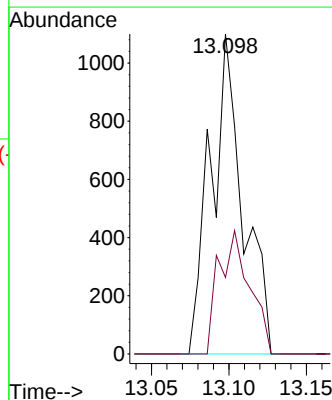
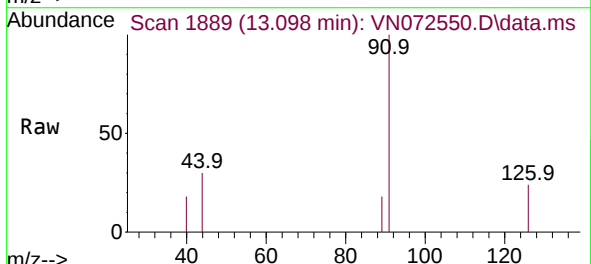
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

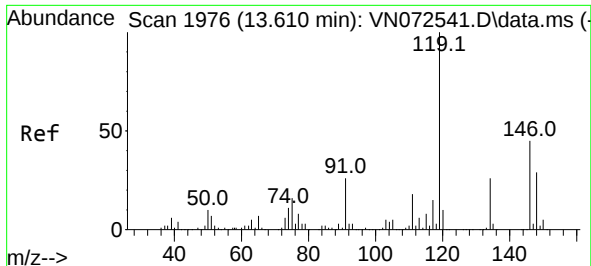
Tgt Ion: 75 Resp: 94776
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.231 ug/l
RT: 13.098 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion: 91 Resp: 1591
Ion Ratio Lower Upper
91 100
126 36.8 17.2 51.6





#87

1,3-Dichlorobenzene

Concen: 0.224 ug/l

RT: 13.609 min Scan# 1976

Delta R.T. -0.001 min

Lab File: VN072550.D

Acq: 19 May 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBL01

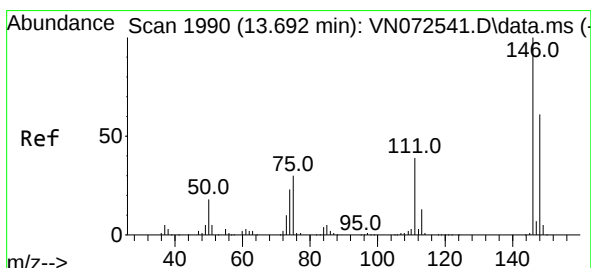
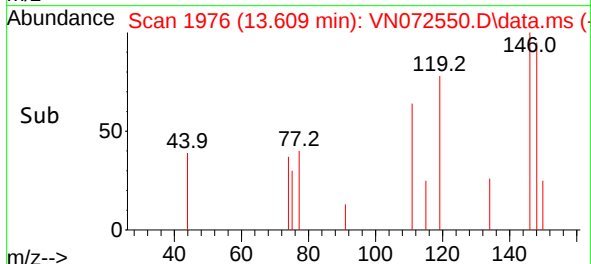
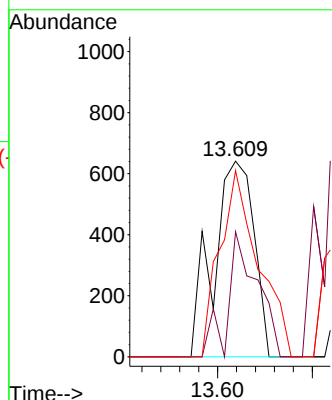
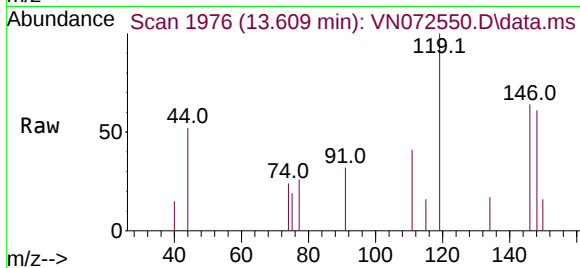
Tgt Ion:146 Resp: 951

Ion Ratio Lower Upper

146 100

111 46.8 20.0 60.0

148 91.0 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.609 min Scan# 1976

Delta R.T. -0.083 min

Lab File: VN072550.D

Acq: 19 May 2022 12:19

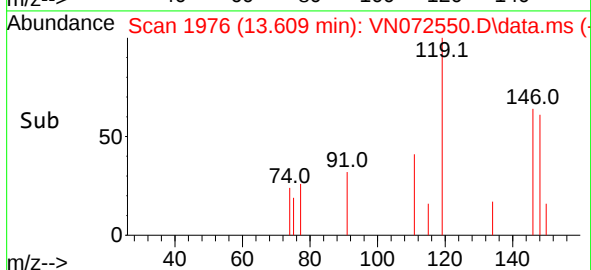
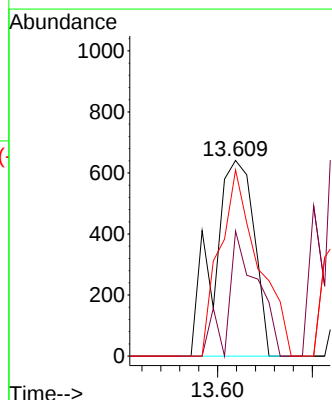
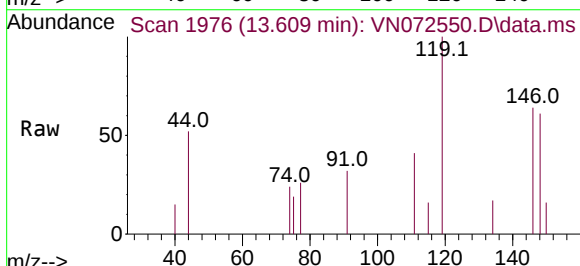
Tgt Ion:146 Resp: 951

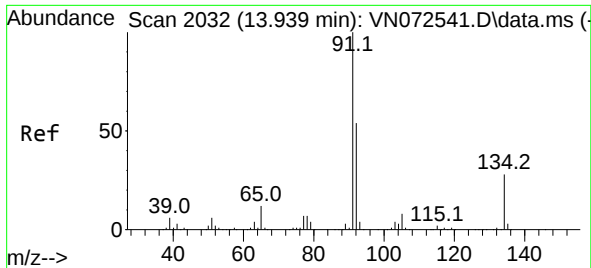
Ion Ratio Lower Upper

146 100

111 46.8 19.1 57.1

148 91.0 31.4 94.3

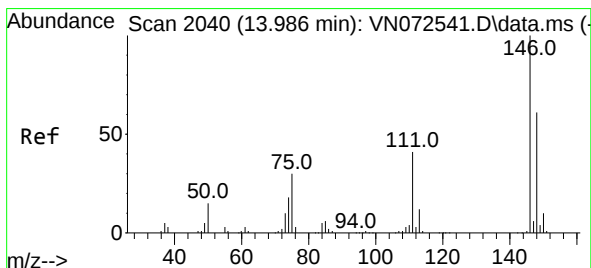
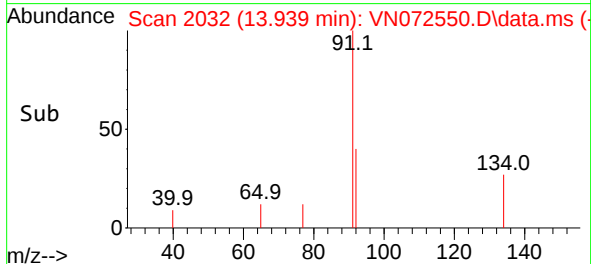
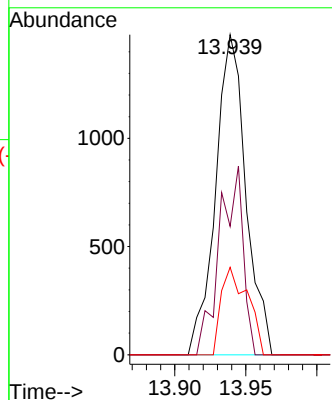
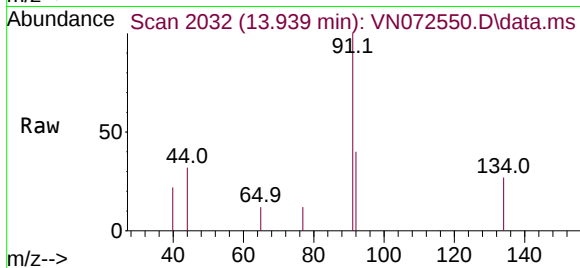




#89
n-Butylbenzene
Concen: 0.366 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

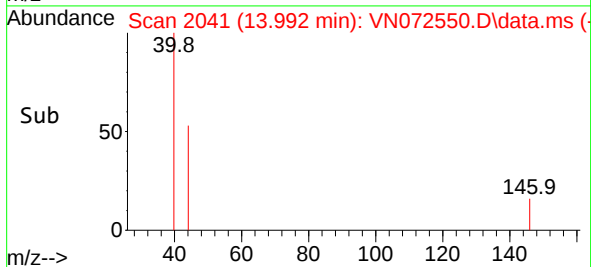
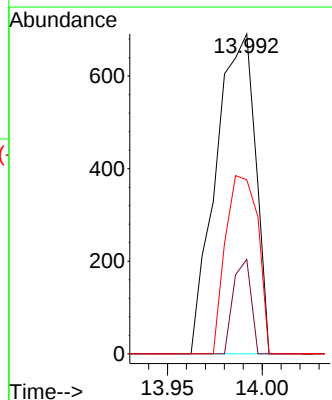
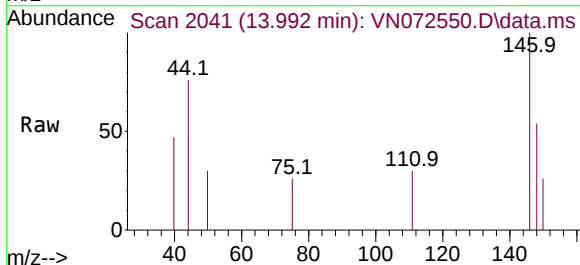
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

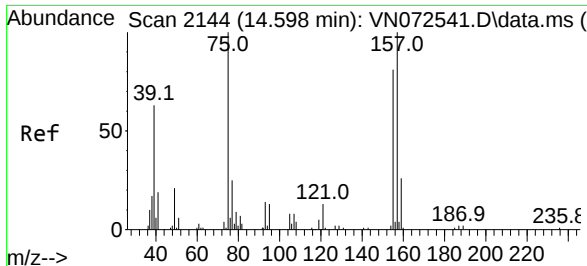
Tgt Ion: 91	Resp:	2200	
Ion Ratio	Lower	Upper	
91	100		
92	45.5	26.9	80.7
134	23.7	13.6	40.8



#91
1,2-Dichlorobenzene
Concen: 0.236 ug/l
RT: 13.992 min Scan# 2041
Delta R.T. 0.006 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

Tgt Ion:146	Resp:	1003	
Ion	Ratio	Lower	Upper
146	100		
111	13.2	20.9	62.8#
148	45.6	32.1	96.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.354 ug/l

RT: 14.604 min Scan# 2145

Delta R.T. 0.006 min

Lab File: VN072550.D

Acq: 19 May 2022 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0519MBL01

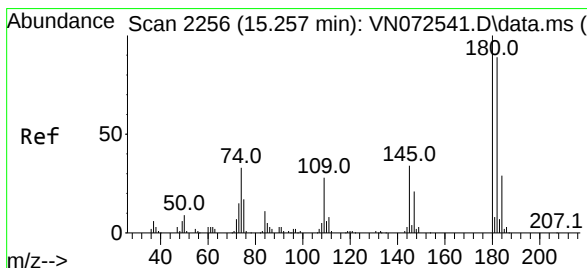
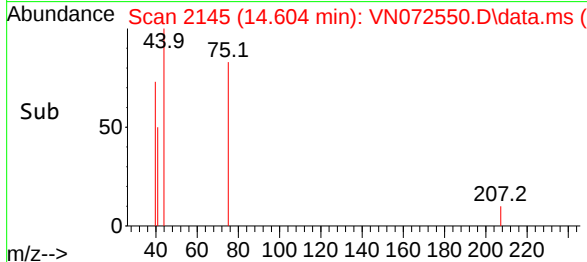
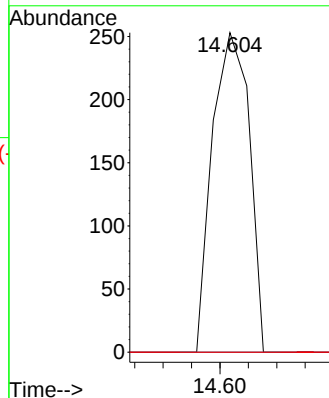
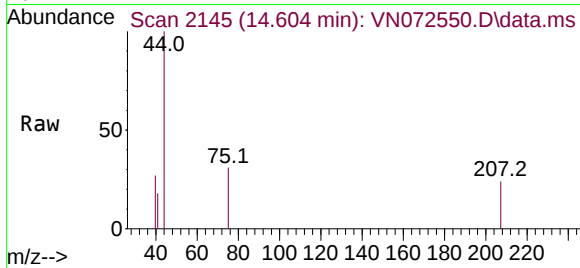
Tgt Ion: 75 Resp: 229

Ion Ratio Lower Upper

75 100

155 0.0 44.9 134.5#

157 0.0 59.0 176.8#



#93

1,2,4-Trichlorobenzene

Concen: 0.769 ug/l

RT: 15.268 min Scan# 2258

Delta R.T. 0.011 min

Lab File: VN072550.D

Acq: 19 May 2022 12:19

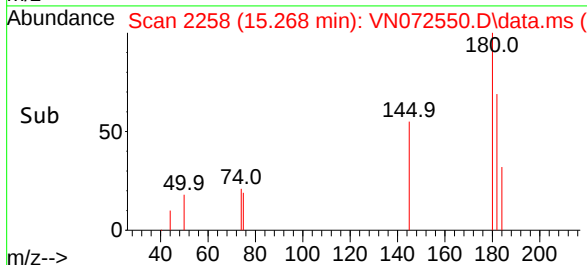
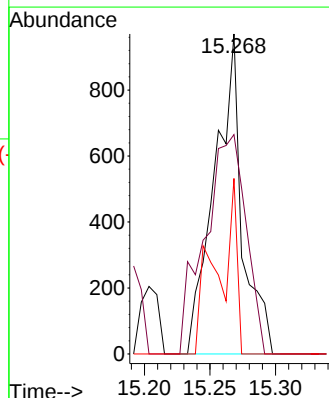
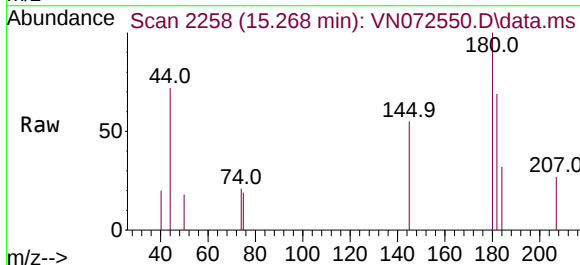
Tgt Ion: 180 Resp: 1429

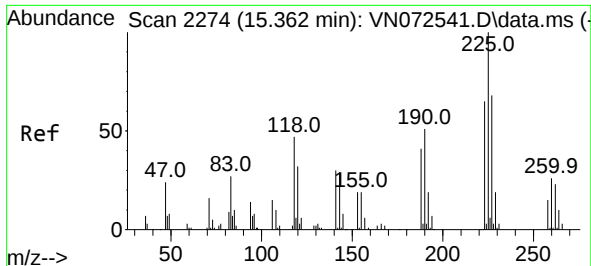
Ion Ratio Lower Upper

180 100

182 102.2 47.5 142.5

145 0.0 14.5 43.5#

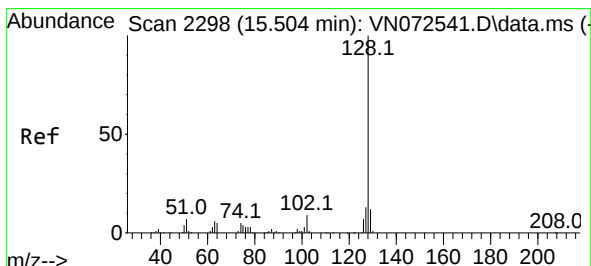
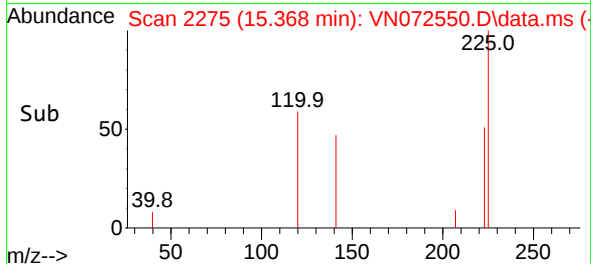
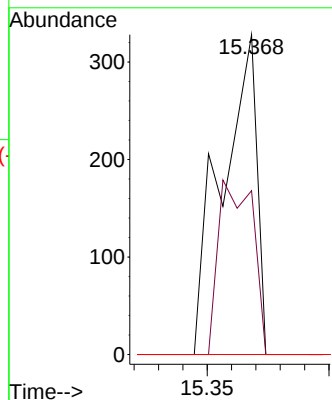
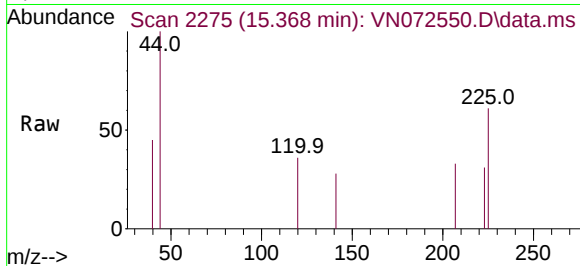




#94
Hexachlorobutadiene
Concen: 0.279 ug/l
RT: 15.368 min Scan# 211
Delta R.T. 0.006 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

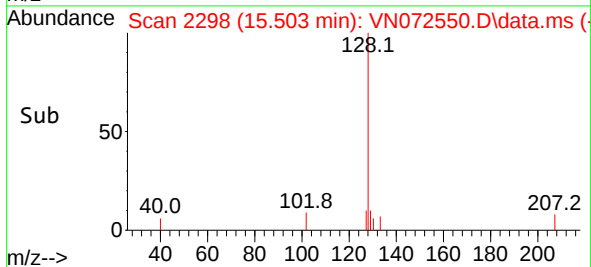
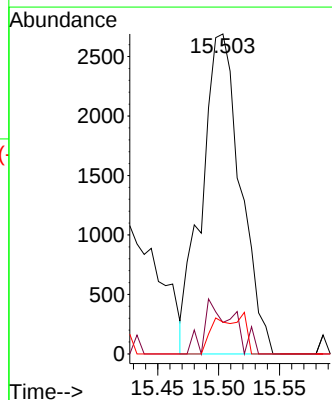
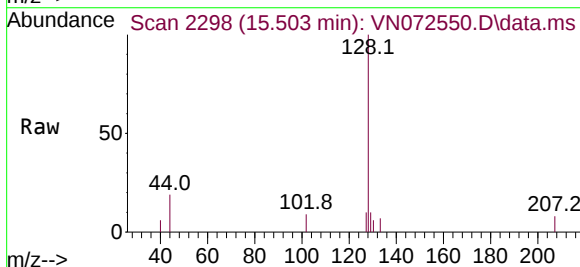
Instrument :
MSVOA_N
ClientSampleId :
VN0519MBL01

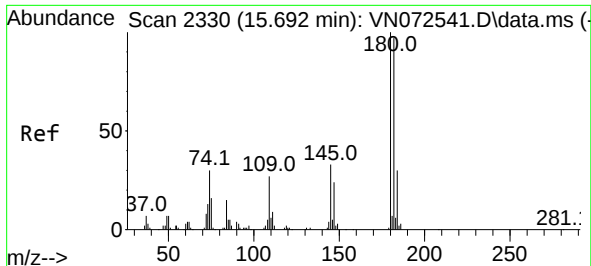
Tgt Ion:225 Resp: 326
Ion Ratio Lower Upper
225 100
223 53.7 32.4 97.2
227 0.0 31.8 95.4#



#95
Naphthalene
Concen: 1.108 ug/l
RT: 15.503 min Scan# 2298
Delta R.T. -0.001 min
Lab File: VN072550.D
Acq: 19 May 2022 12:19

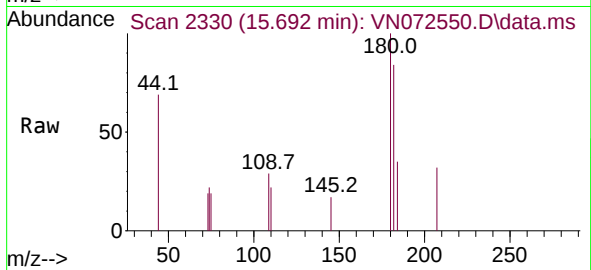
Tgt Ion:128 Resp: 5965
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.823 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN072550.D
 Acq: 19 May 2022 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0519MBL01



Tgt Ion:	180	Resp:	1577
Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	18.8	15.5	46.5

