

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084127.D
 Acq On : 24 Sep 2024 12:19
 Operator : JC\MD
 Sample : P4003-09DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20240912DL

Quant Time: Sep 25 01:32:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

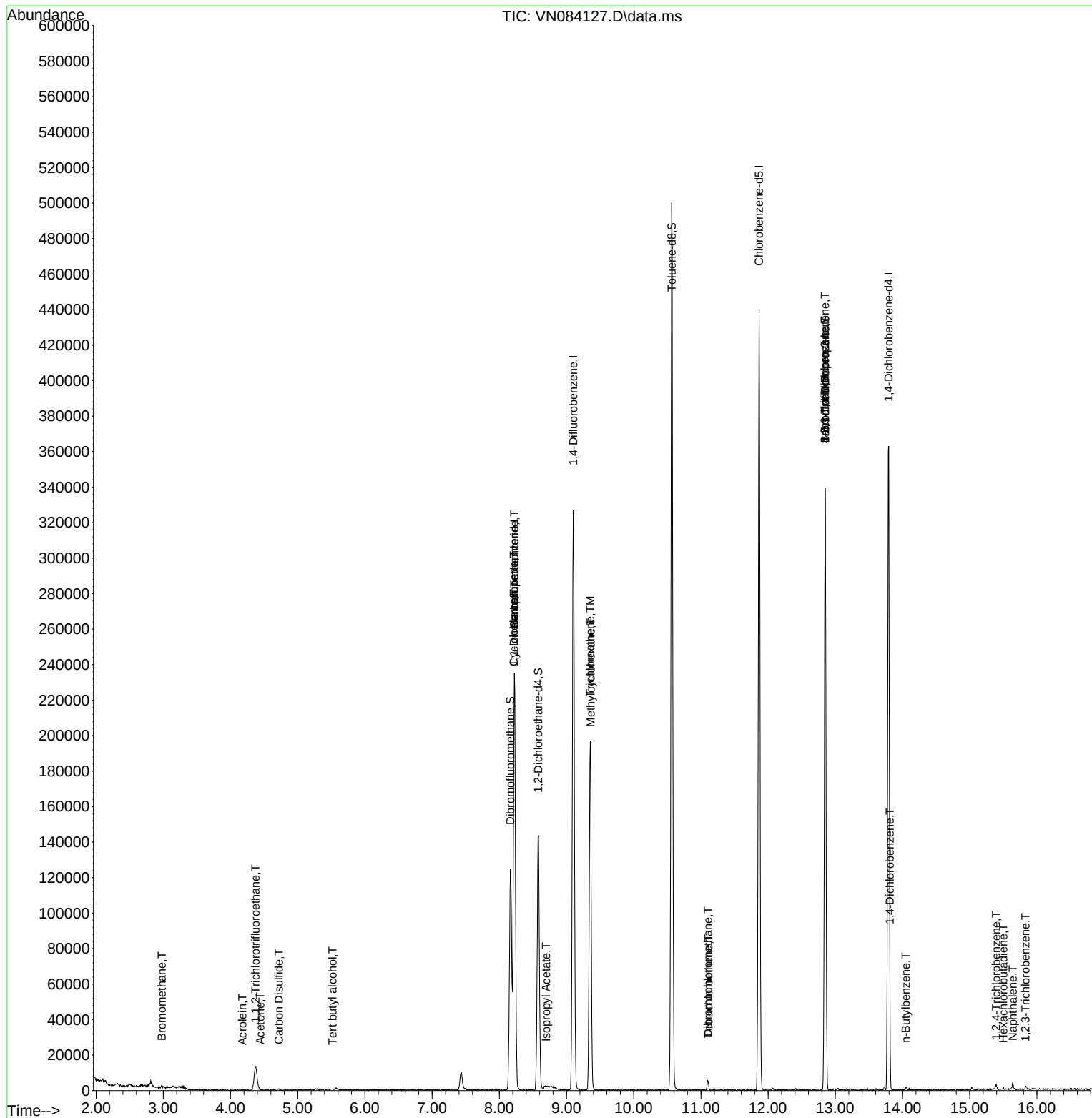
Internal Standards						
1) Pentafluorobenzene	8.224	168	158698	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276128	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96255	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122154	51.048	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.100%			
35) Dibromofluoromethane	8.165	113	90648	51.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.560%			
50) Toluene-d8	10.565	98	334557	54.745	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.500%			
62) 4-Bromofluorobenzene	12.847	95	115363	45.755	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.520%			
Target Compounds						Qvalue
3) Chloromethane	2.354	50	312	Below Cal	#	41
5) Bromomethane	2.977	94	266	0.229	ug/l #	21
9) 1,1,2-Trichlorotrifluo...	4.371	101	9680	5.326	ug/l	99
11) Tert butyl alcohol	5.518	59	243	0.758	ug/l #	71
13) Acrolein	4.177	56	65	0.206	ug/l #	13
16) Acetone	4.442	43	570	0.594	ug/l #	45
17) Carbon Disulfide	4.718	76	1092	0.227	ug/l #	75
18) Methyl Acetate	5.048	43	233	Below Cal	#	52
31) Cyclohexane	8.218	56	3933	1.137	ug/l #	40
36) 1,1-Dichloropropene	8.218	75	15150	5.694	ug/l #	51
38) Carbon Tetrachloride	8.224	117	18267	6.052	ug/l #	18
39) Methylcyclohexane	9.359	83	965	0.319	ug/l #	1
43) Isopropyl Acetate	8.694	43	1624	0.371	ug/l #	57
44) Trichloroethene	9.353	130	68526	36.951	ug/l	92
60) Dibromochloromethane	11.106	129	1099	0.537	ug/l #	10
64) Tetrachloroethene	11.112	164	1436	0.917	ug/l #	59
71) Bromoform	12.847	173	537	0.439	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	62925	32.398	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62925	84.853	ug/l #	9
88) 1,4-Dichlorobenzene	13.812	146	764	0.223	ug/l #	1
89) n-Butylbenzene	14.047	91	1420	0.259	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.394	180	836	0.477	ug/l	86
94) Hexachlorobutadiene	15.500	225	310	0.417	ug/l #	56
95) Naphthalene	15.641	128	3236	0.607	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.829	180	867	0.518	ug/l	89

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

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Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

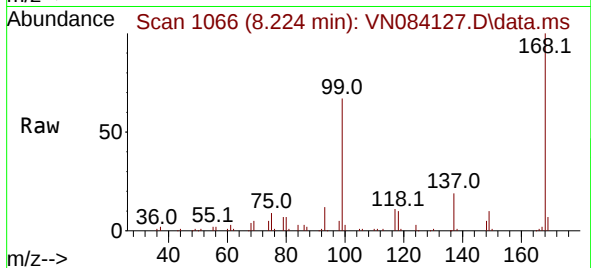
Quant Time: Sep 25 01:32:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



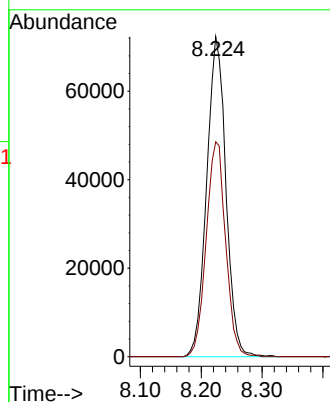
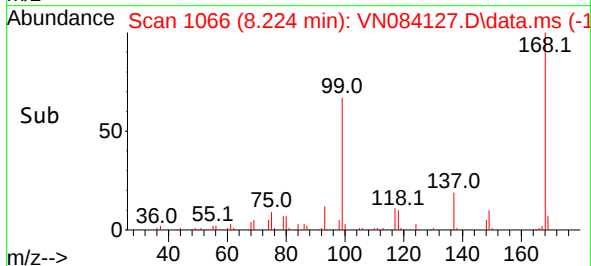


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

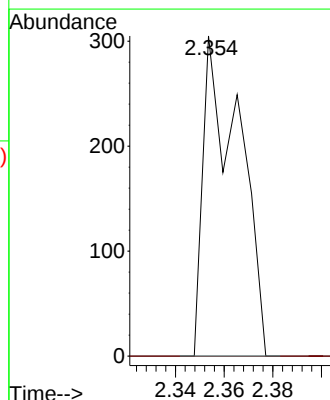
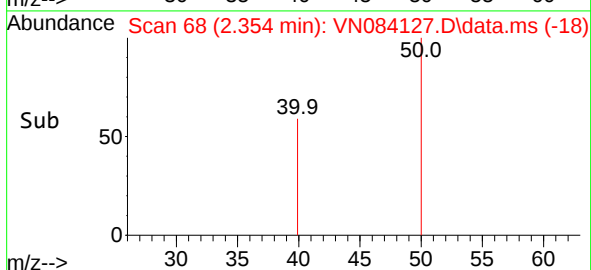
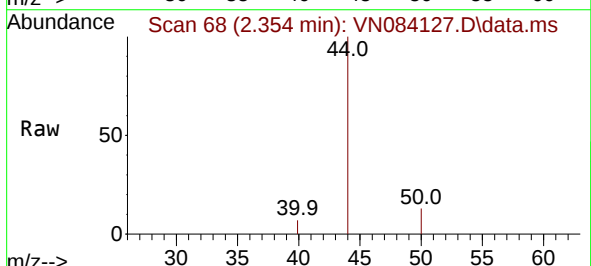


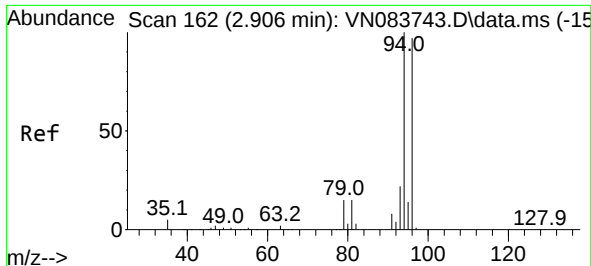
Tgt Ion:168 Resp: 158698
Ion Ratio Lower Upper
168 100
99 67.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion: 50 Resp: 312
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

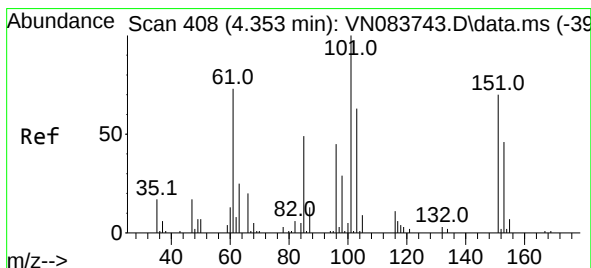
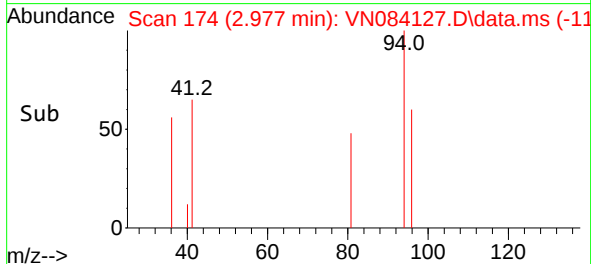
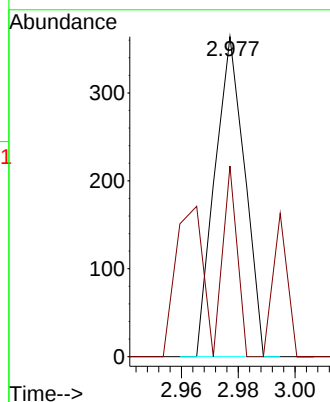
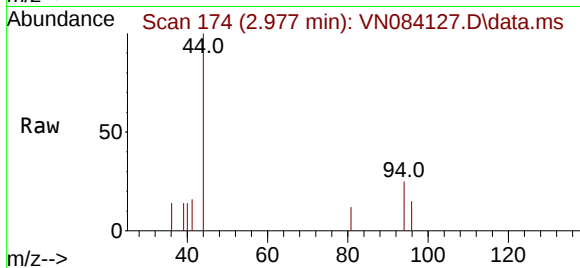




#5
Bromomethane
Concen: 0.229 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.071 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

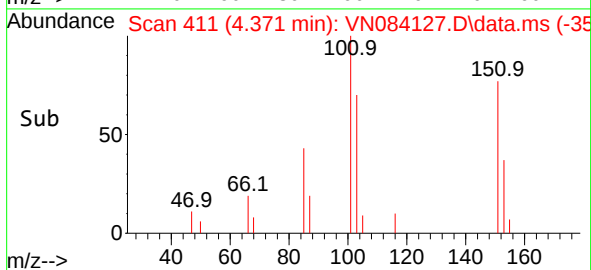
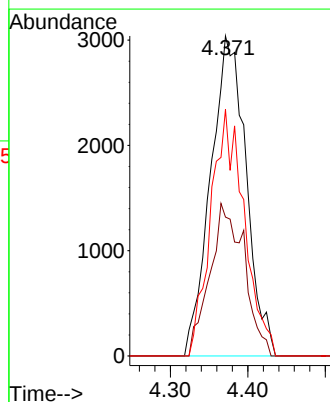
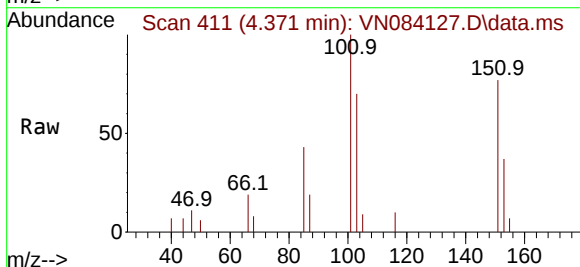
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

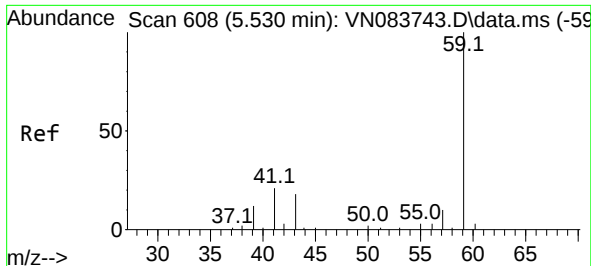
Tgt Ion: 94 Resp: 266
Ion Ratio Lower Upper
94 100
96 18.1 76.0 114.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.326 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

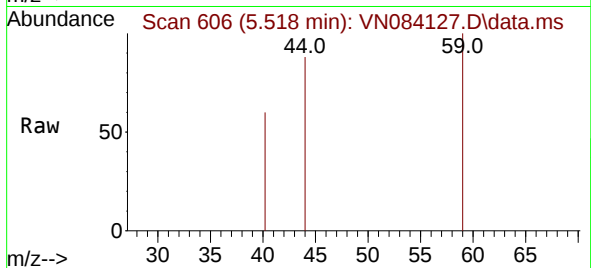
Tgt Ion:101 Resp: 9680
Ion Ratio Lower Upper
101 100
85 46.2 36.2 54.4
151 72.3 57.7 86.5



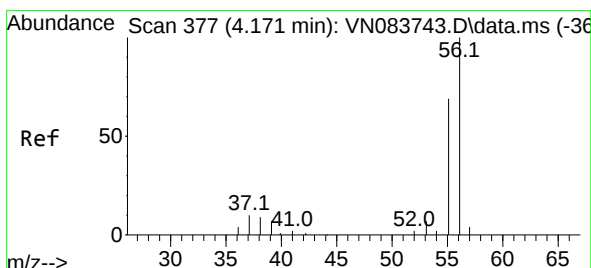
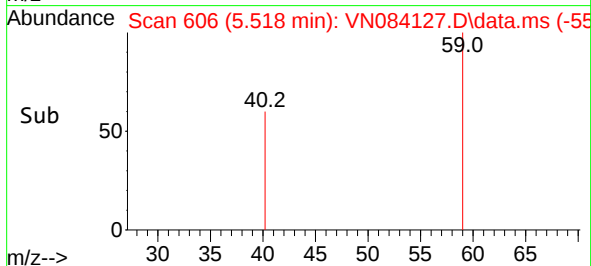
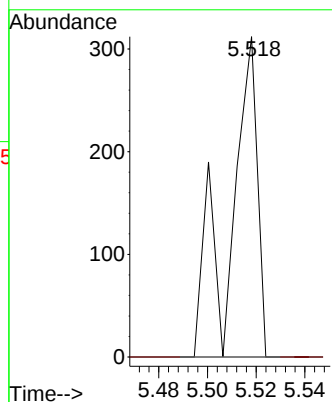


#11
Tert butyl alcohol
Concen: 0.758 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

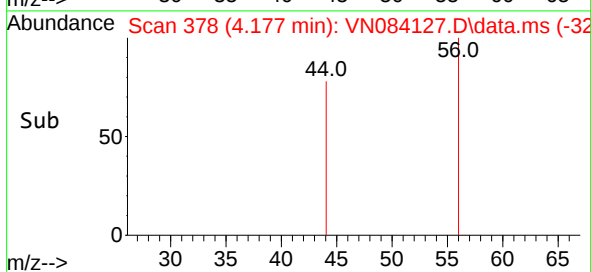
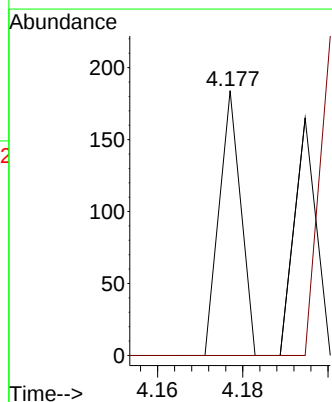
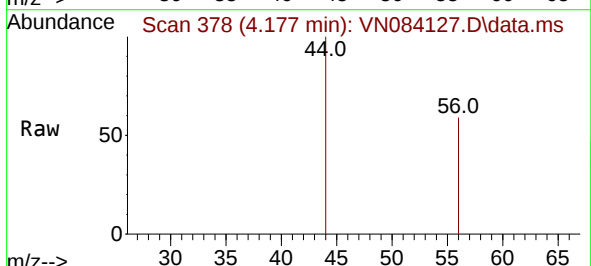


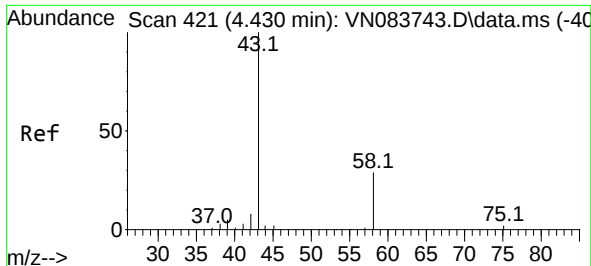
Tgt Ion: 59 Resp: 243
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.206 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 58.2 87.2#





#16

Acetone

Concen: 0.594 ug/l

RT: 4.442 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084127.D

Acq: 24 Sep 2024 12:19

Instrument :

MSVOA_N

ClientSampleId :

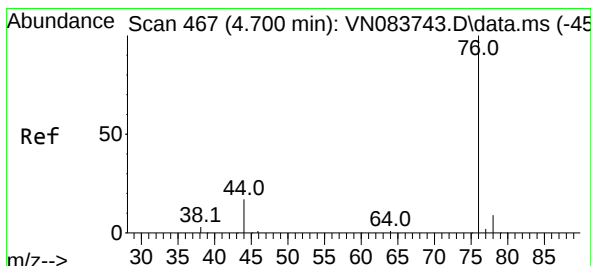
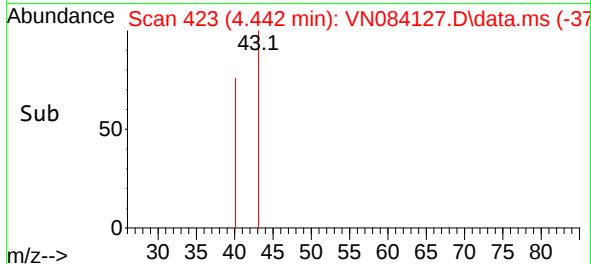
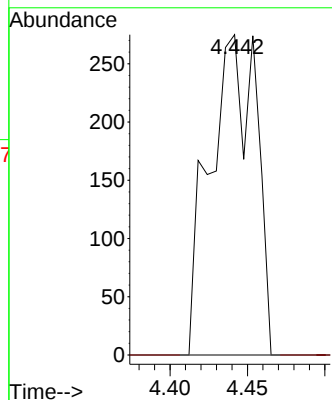
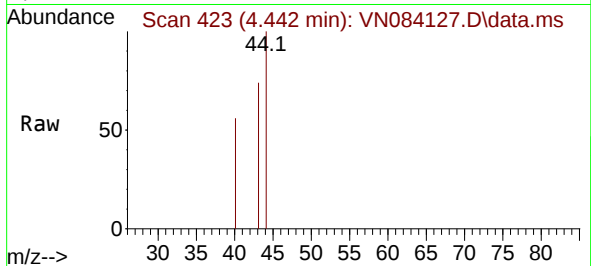
RE120D2-20240912DL

Tgt Ion: 43 Resp: 570

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.227 ug/l

RT: 4.718 min Scan# 470

Delta R.T. 0.018 min

Lab File: VN084127.D

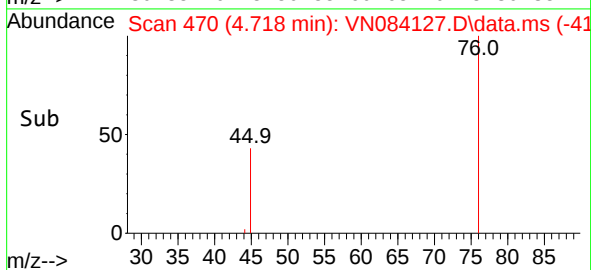
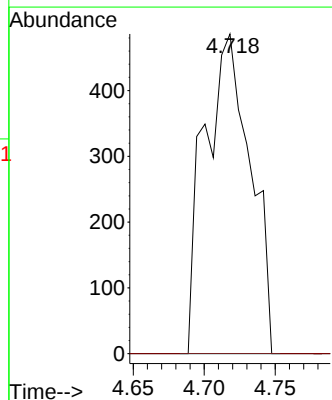
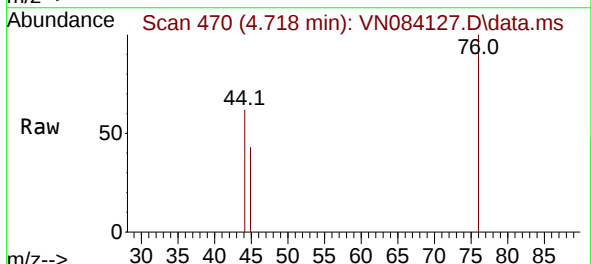
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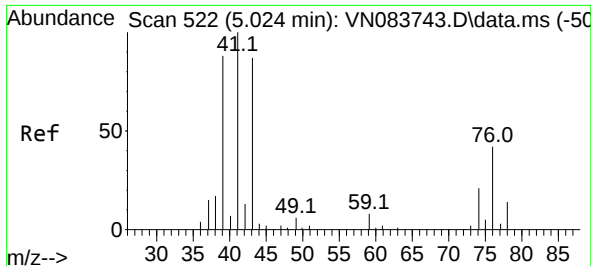
Tgt Ion: 76 Resp: 1092

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

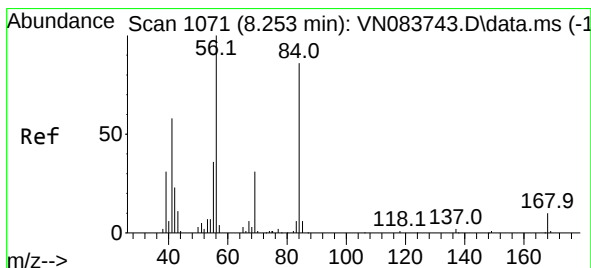
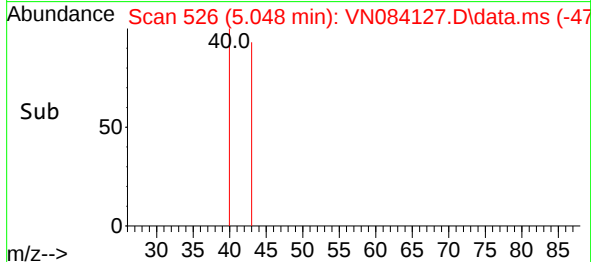
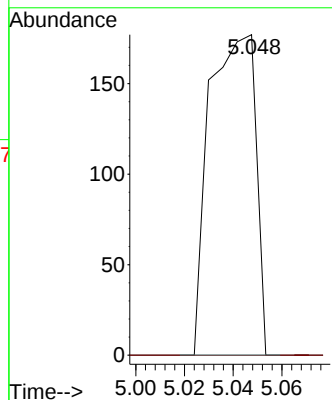
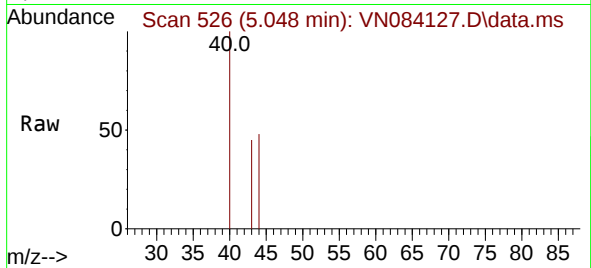




#18
Methyl Acetate
Concen: Below Cal
RT: 5.048 min Scan# 51
Delta R.T. 0.024 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

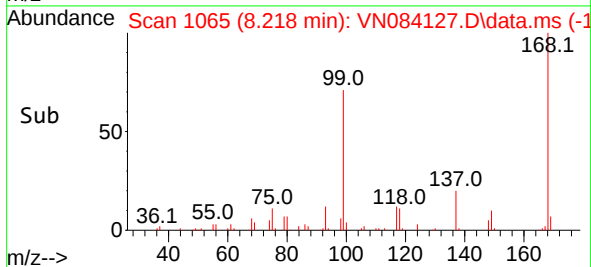
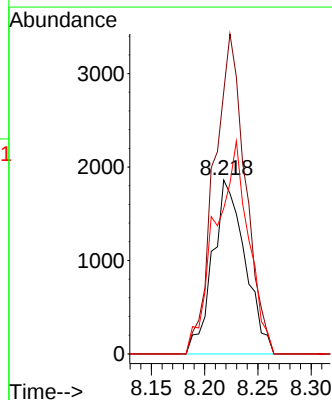
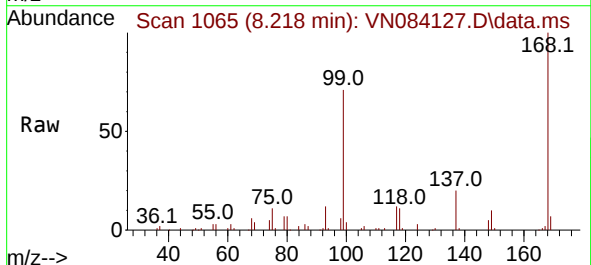
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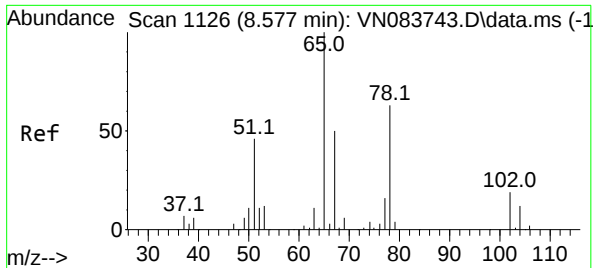
Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#31
Cyclohexane
Concen: 1.137 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion: 56 Resp: 3933
Ion Ratio Lower Upper
56 100
69 150.7 26.9 40.3#
84 83.7 69.2 103.8

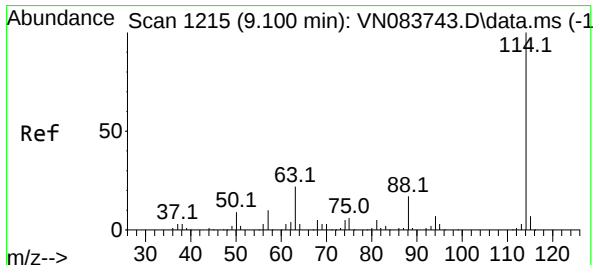
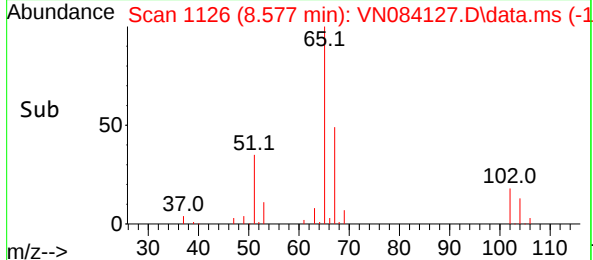
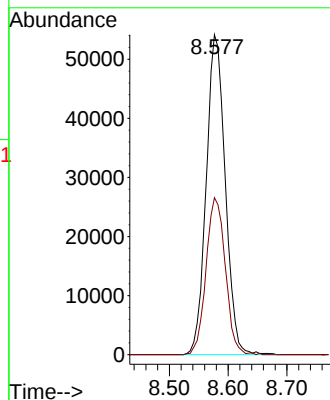
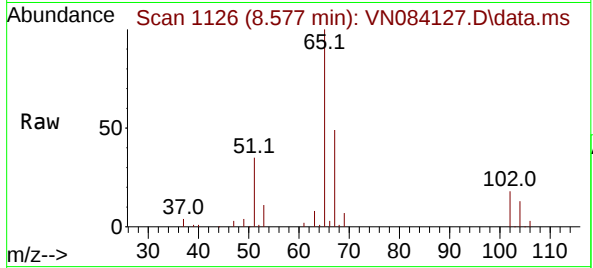




#33
 1,2-Dichloroethane-d4
 Concen: 51.048 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VN084127.D
 Acq: 24 Sep 2024 12:19

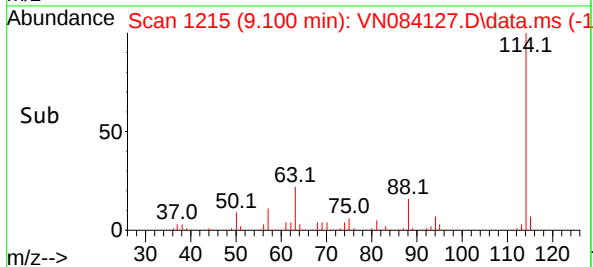
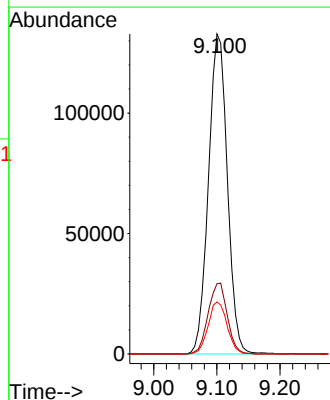
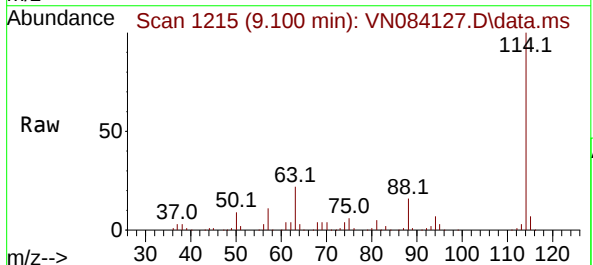
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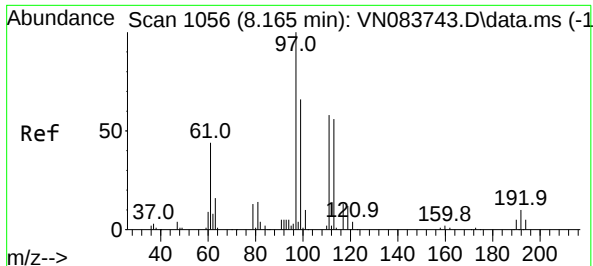
Tgt Ion: 65 Resp: 122154
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084127.D
 Acq: 24 Sep 2024 12:19

Tgt Ion: 114 Resp: 276128
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 43.4
 88 16.2 0.0 32.6

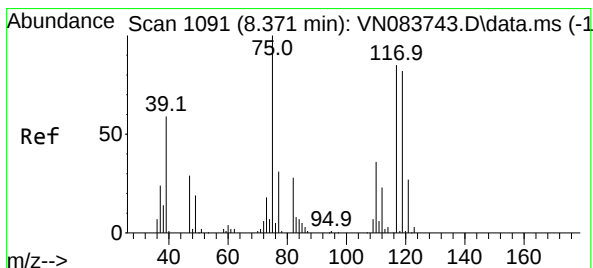
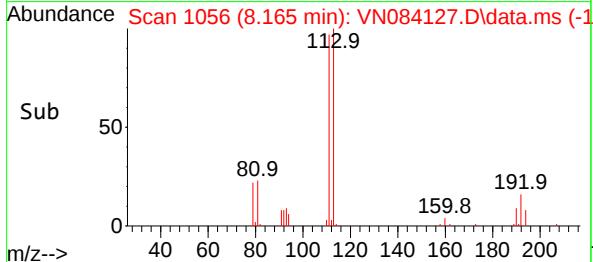
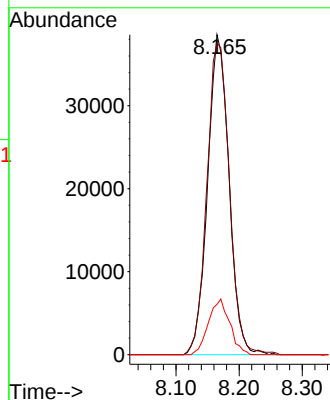
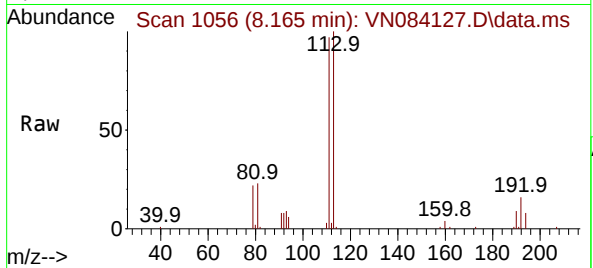




#35
Dibromofluoromethane
Concen: 51.279 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

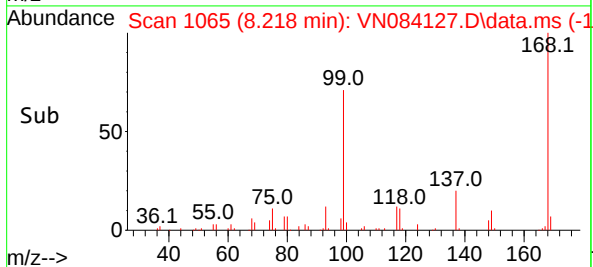
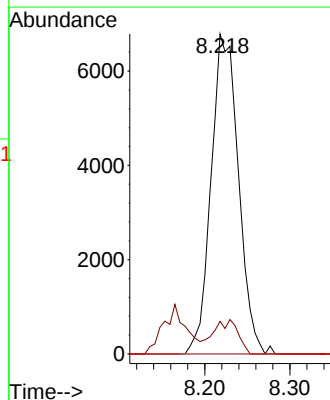
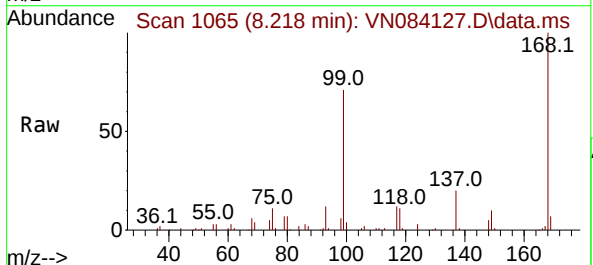
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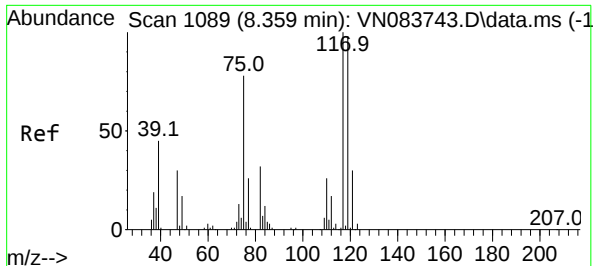
Tgt Ion:113 Resp: 90648
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 17.4 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.694 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion: 75 Resp: 15150
Ion Ratio Lower Upper
75 100
110 9.9 16.7 50.1#
77 0.0 25.2 37.8#

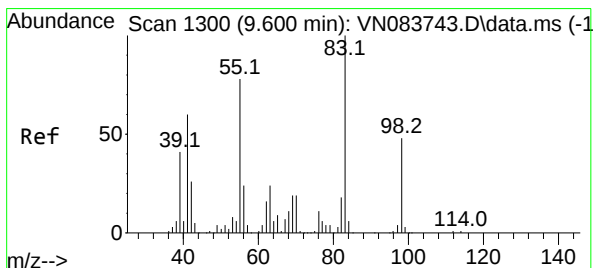
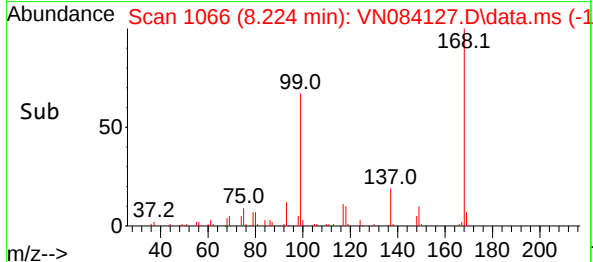
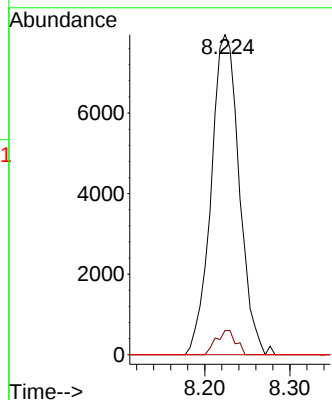
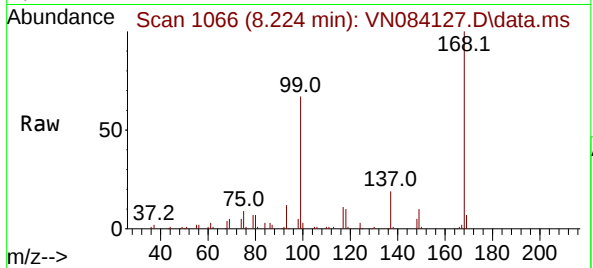




#38
Carbon Tetrachloride
Concen: 6.052 ug/l
RT: 8.224 min Scan# 117
Delta R.T. -0.135 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

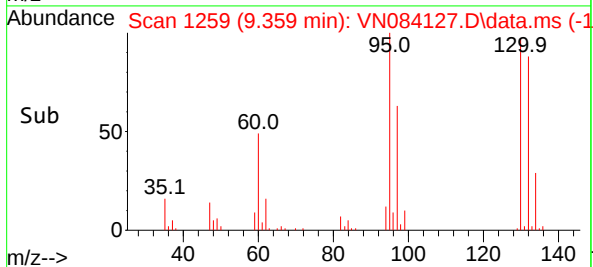
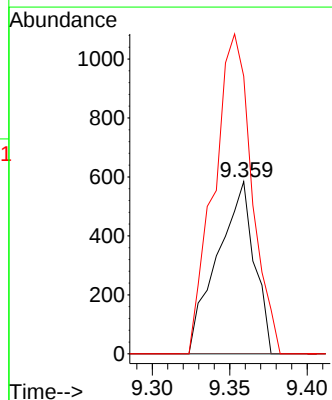
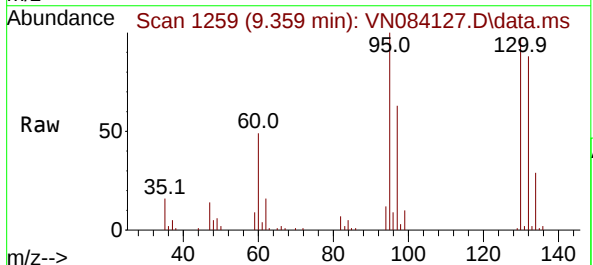
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

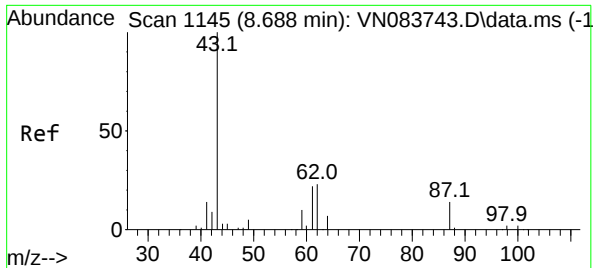
Tgt Ion: 117 Resp: 18267
Ion Ratio Lower Upper
117 100
119 7.5 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.319 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.241 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion: 83 Resp: 965
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 161.3 37.6 56.4#





#43

Isopropyl Acetate

Concen: 0.371 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN084127.D

Acq: 24 Sep 2024 12:19

Instrument :

MSVOA_N

ClientSampleId :

RE120D2-20240912DL

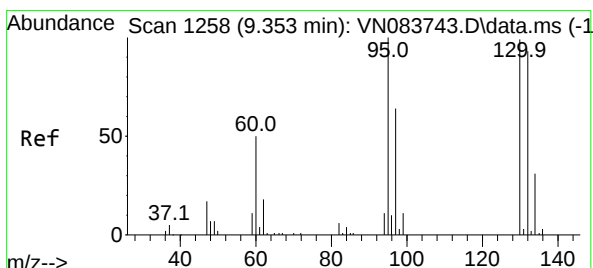
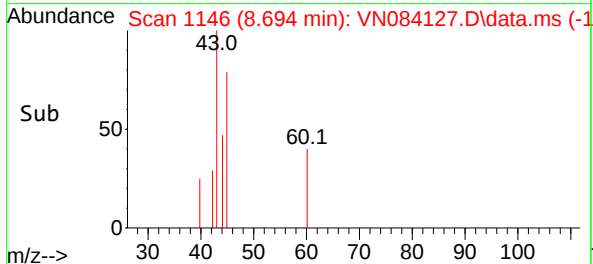
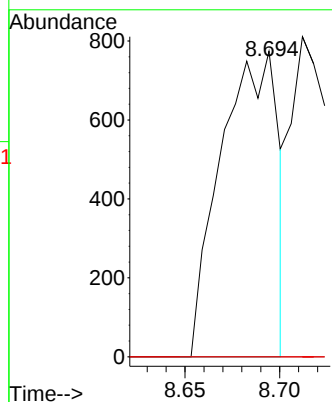
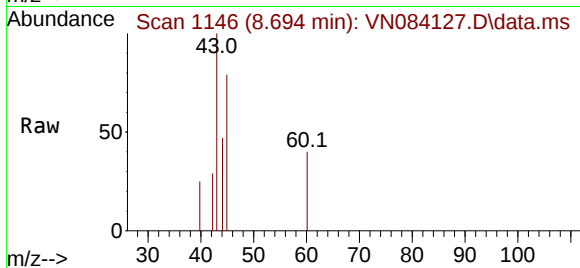
Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 36.951 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VN084127.D

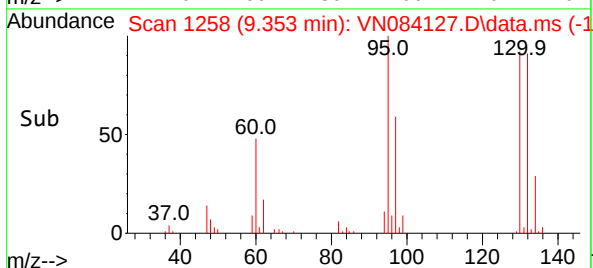
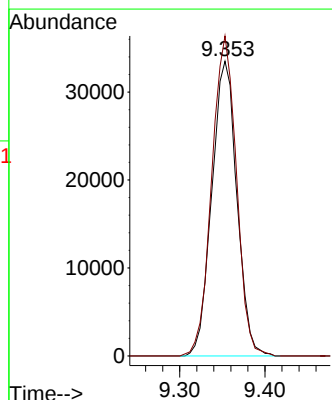
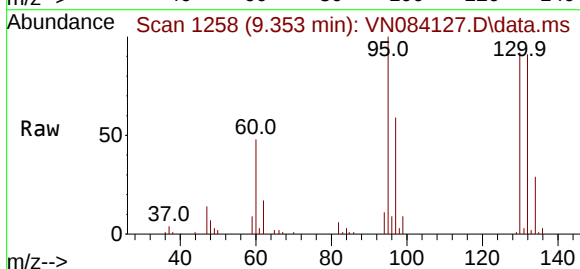
Acq: 24 Sep 2024 12:19

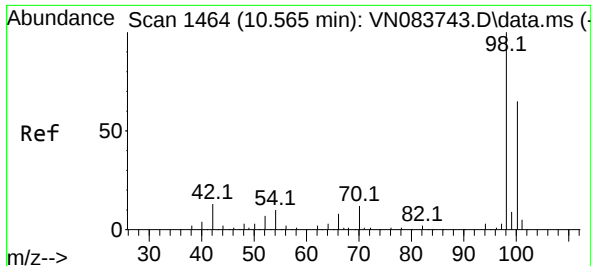
Tgt Ion:130 Resp: 68526

Ion Ratio Lower Upper

130 100

95 108.6 0.0 200.4

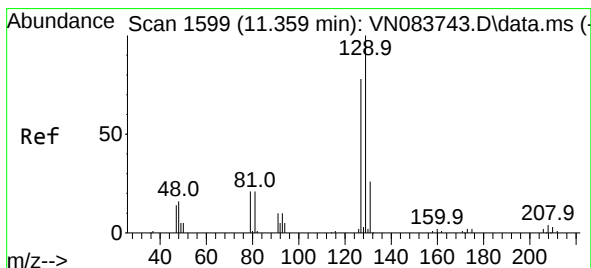
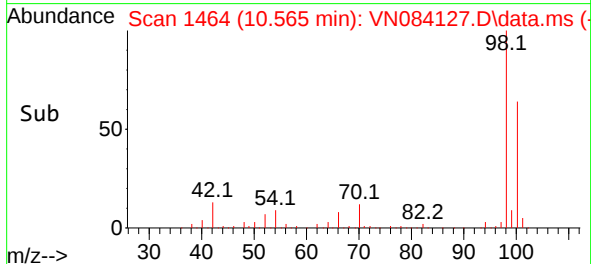
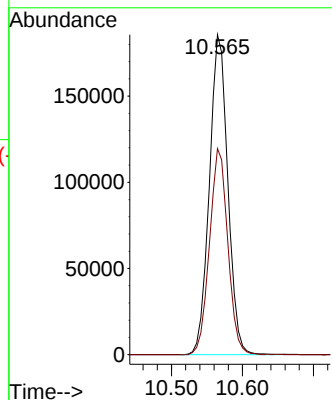
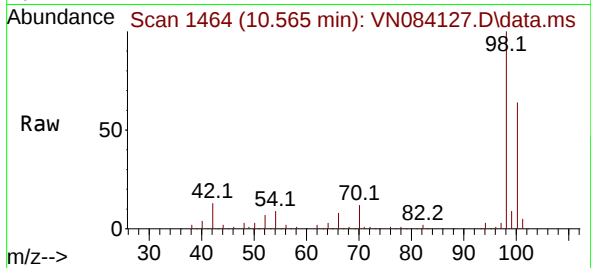




#50
Toluene-d8
Concen: 54.745 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

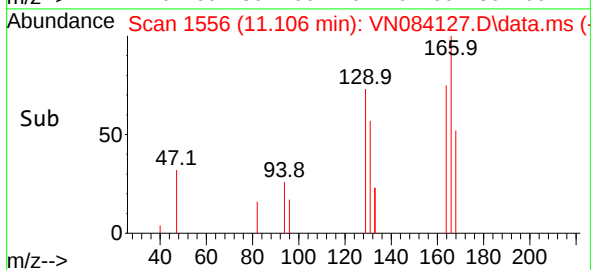
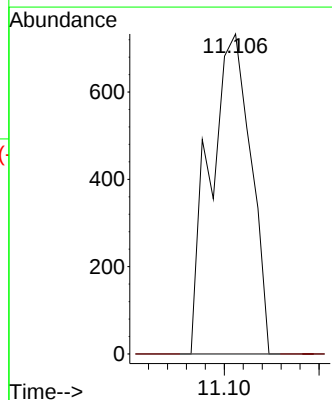
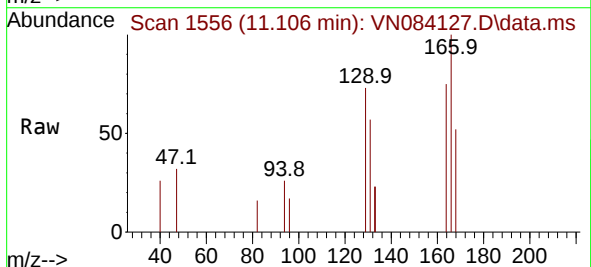
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

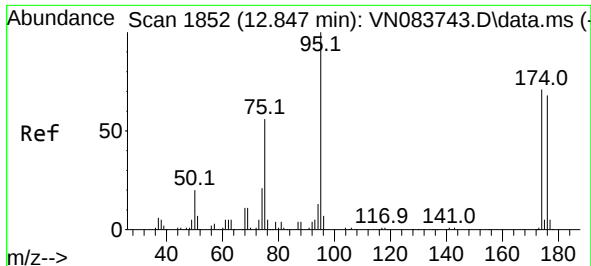
Tgt Ion: 98 Resp: 334557
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#60
Dibromochloromethane
Concen: 0.537 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.253 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion: 129 Resp: 1099
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

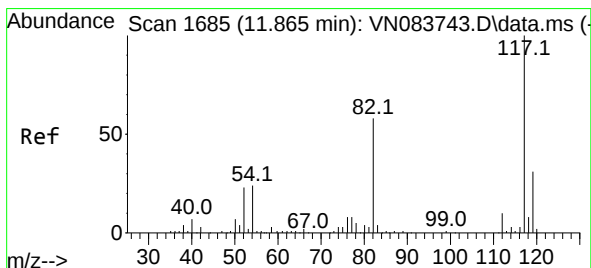
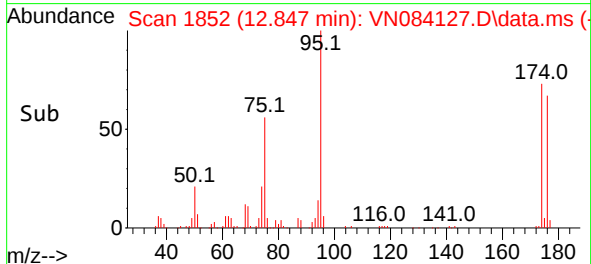
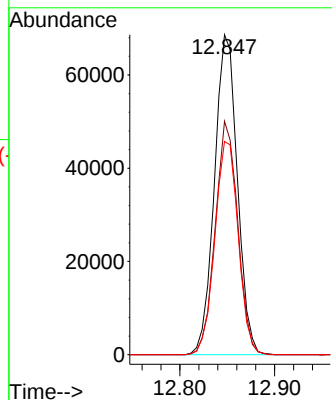
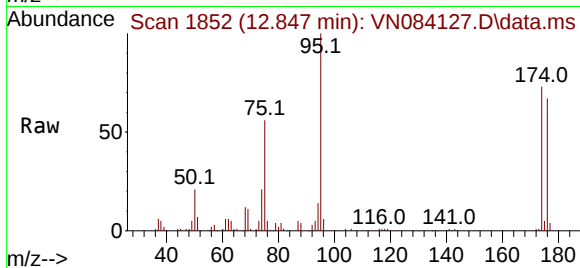




#62
4-Bromofluorobenzene
Concen: 45.755 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

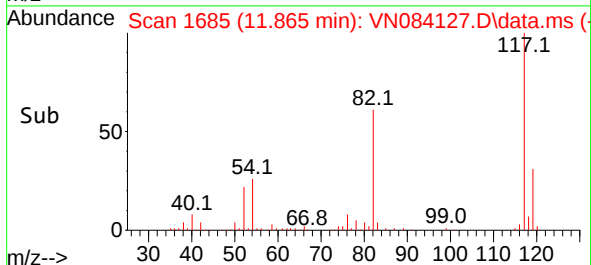
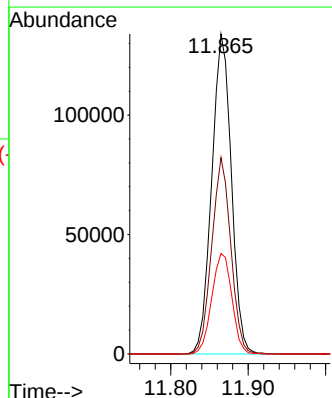
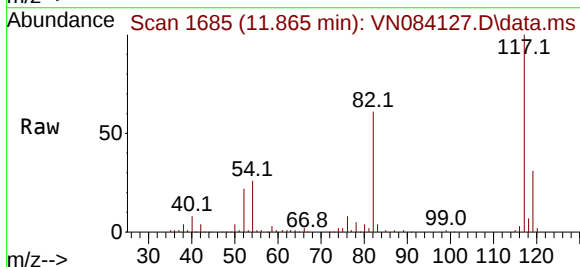
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

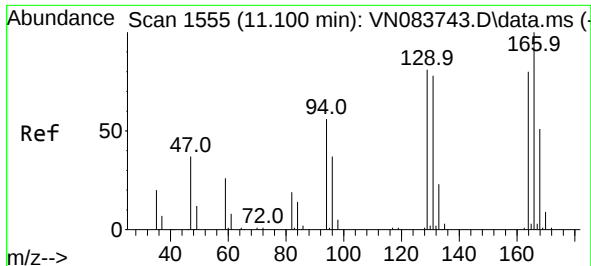
Tgt Ion: 95 Resp: 115363
Ion Ratio Lower Upper
95 100
174 71.7 0.0 139.8
176 68.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

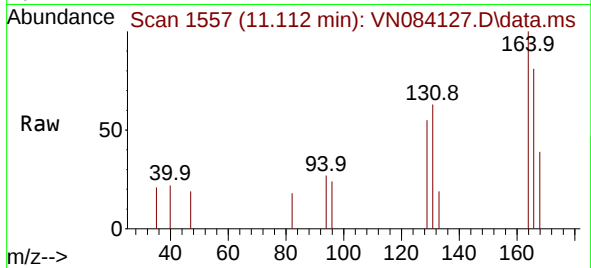
Tgt Ion: 117 Resp: 235506
Ion Ratio Lower Upper
117 100
82 61.3 47.4 71.0
119 31.4 26.3 39.5



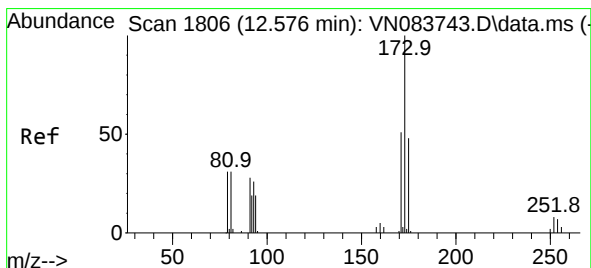
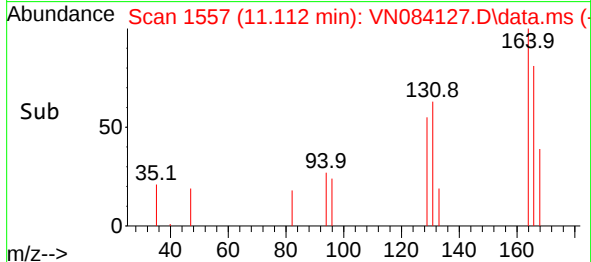
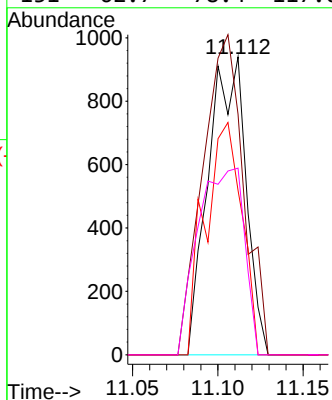


#64
Tetrachloroethene
Concen: 0.917 ug/l
RT: 11.112 min Scan# 1111
Delta R.T. 0.012 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

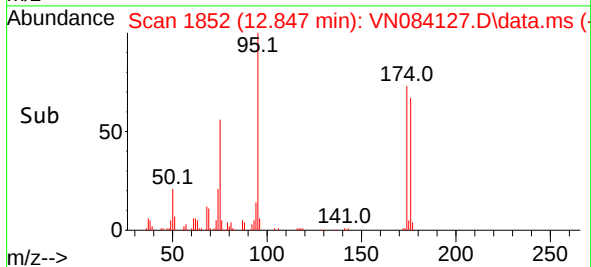
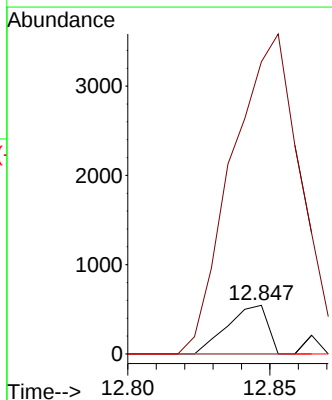
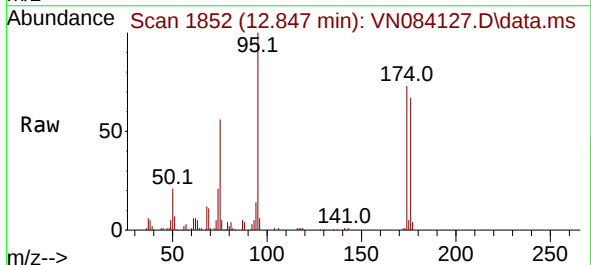


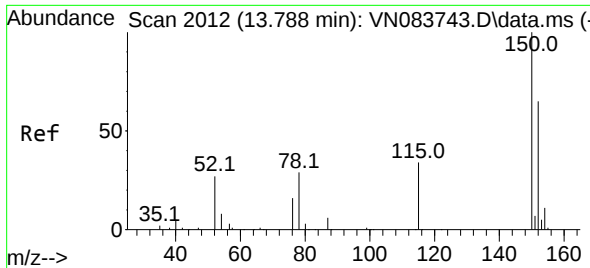
Tgt Ion:164 Resp: 1436
Ion Ratio Lower Upper
164 100
166 80.7 103.7 155.5#
129 55.2 79.9 119.9#
131 62.7 78.4 117.6#



#71
Bromoform
Concen: 0.439 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion:173 Resp: 537
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0

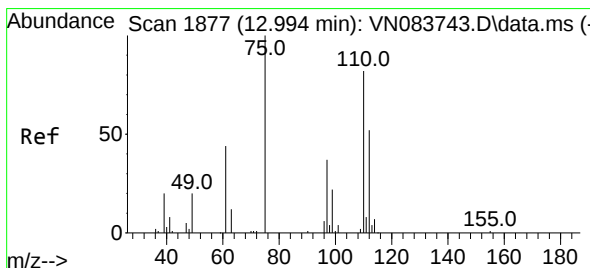
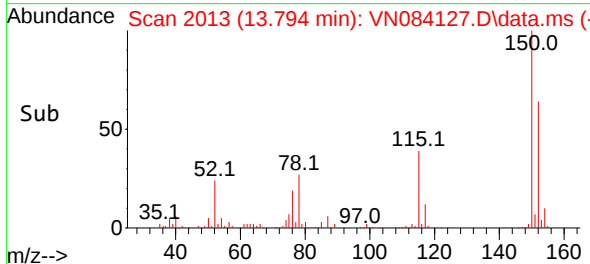
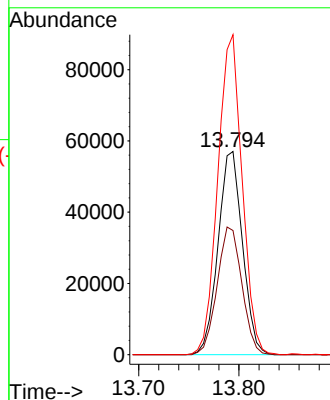
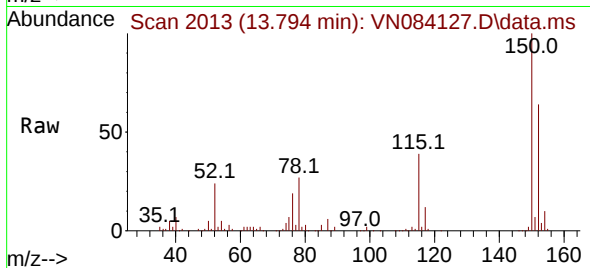




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084127.D
 Acq: 24 Sep 2024 12:19

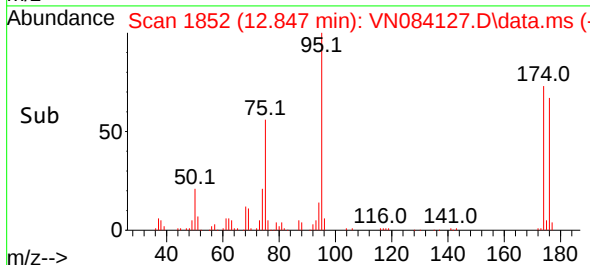
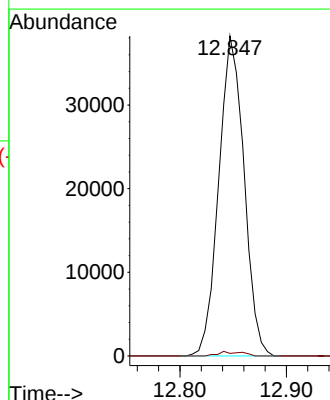
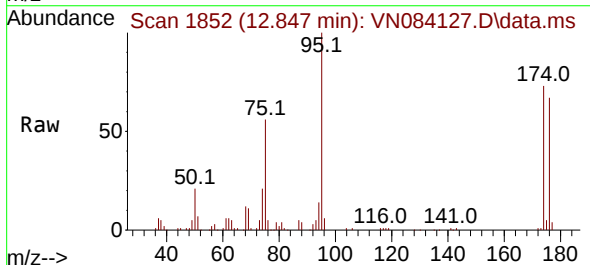
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20240912DL

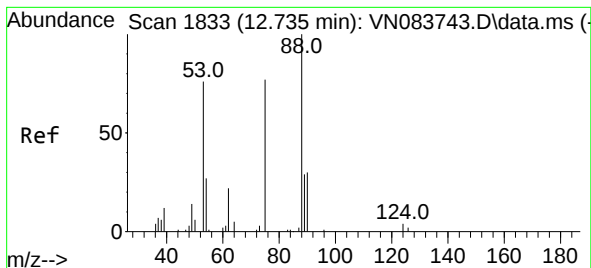
Tgt Ion:152 Resp: 96255
 Ion Ratio Lower Upper
 152 100
 115 63.5 32.2 96.6
 150 156.9 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 32.398 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN084127.D
 Acq: 24 Sep 2024 12:19

Tgt Ion: 75 Resp: 62925
 Ion Ratio Lower Upper
 75 100
 77 1.3 95.2 285.6#

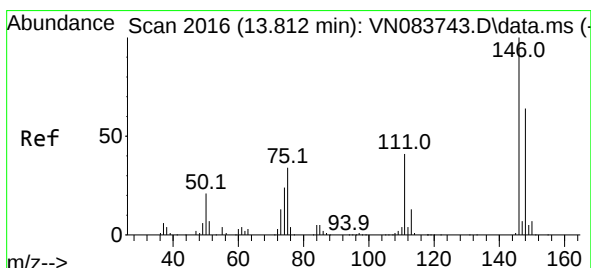
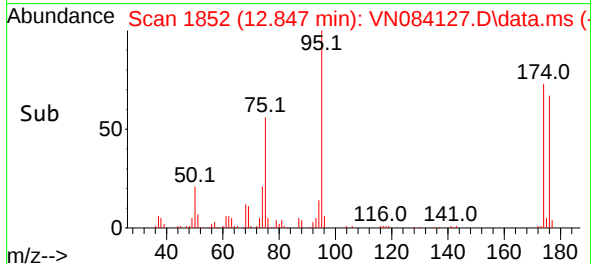
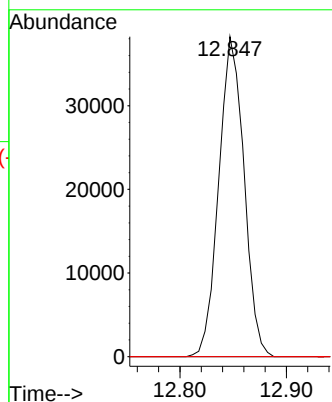
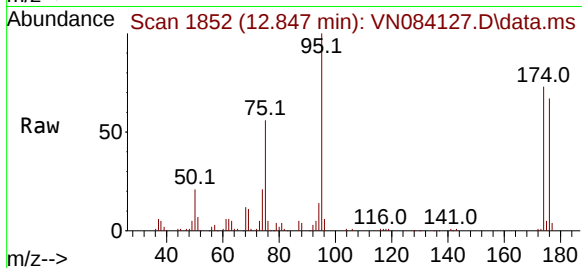




#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.853 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.112 min
 Lab File: VN084127.D
 Acq: 24 Sep 2024 12:19

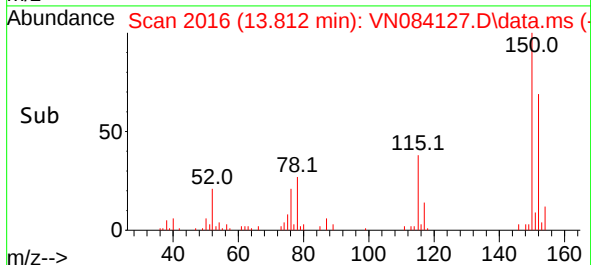
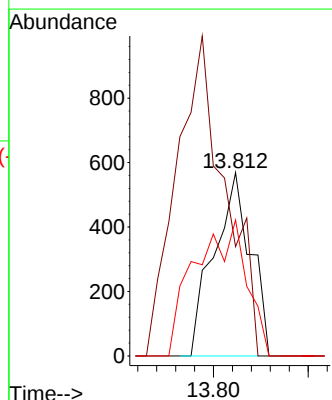
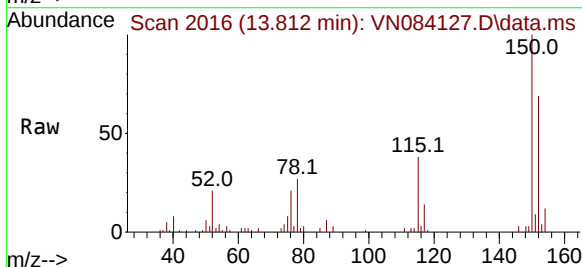
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20240912DL

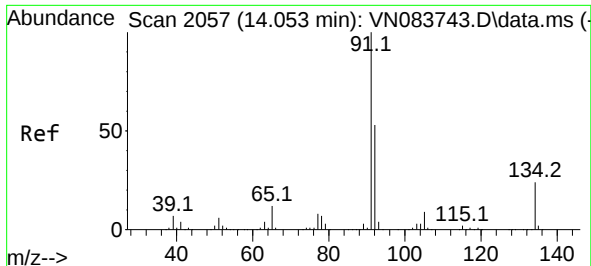
Tgt Ion: 75 Resp: 62925
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.2 121.8#
 89 0.0 35.7 53.5#



#88
 1,4-Dichlorobenzene
 Concen: 0.223 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN084127.D
 Acq: 24 Sep 2024 12:19

Tgt Ion: 146 Resp: 764
 Ion Ratio Lower Upper
 146 100
 111 230.6 21.3 64.0#
 148 104.2 32.0 96.2#

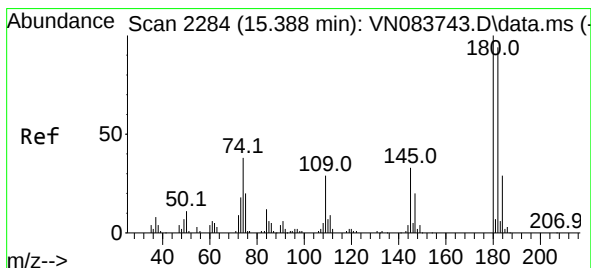
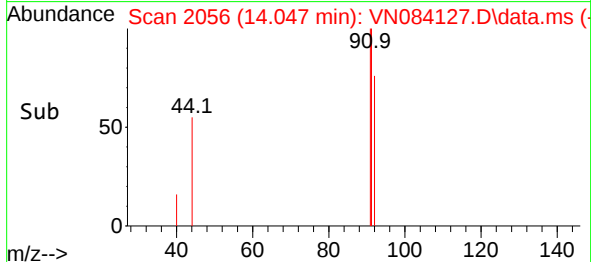
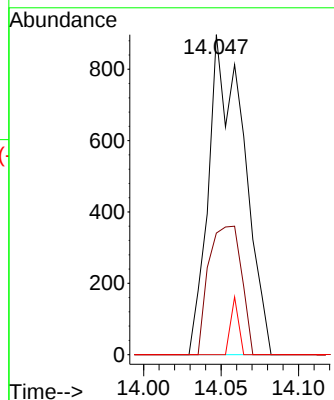
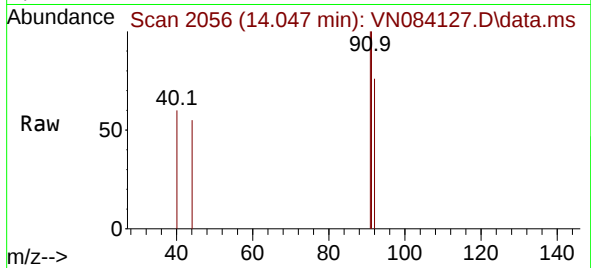




#89
n-Butylbenzene
Concen: 0.259 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

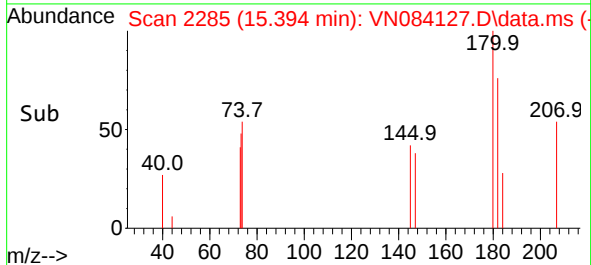
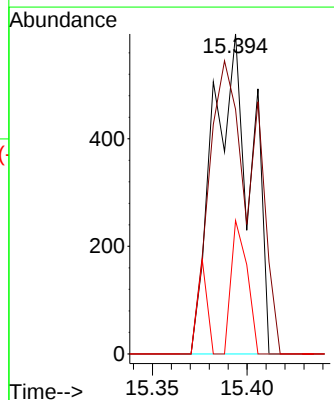
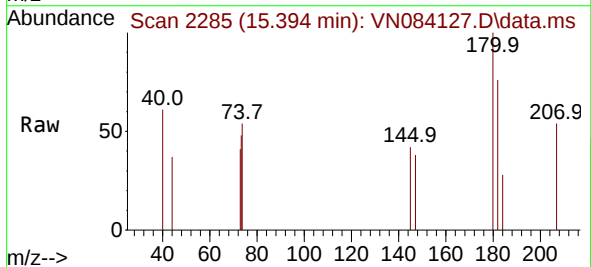
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

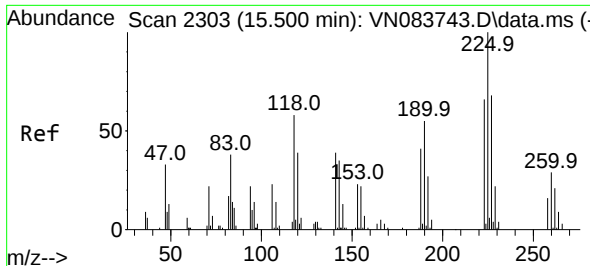
Tgt Ion: 91	Resp:	1420
Ion Ratio	Lower	Upper
91	100	
92	37.1	26.7 80.1
134	4.0	12.2 36.4



#93
1,2,4-Trichlorobenzene
Concen: 0.477 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

Tgt Ion: 180	Resp:	836
Ion Ratio	Lower	Upper
180	100	
182	105.1	48.1 144.3
145	17.5	16.9 50.7

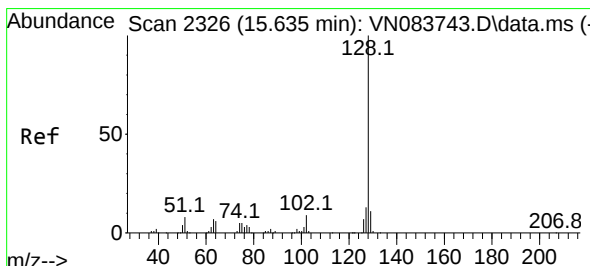
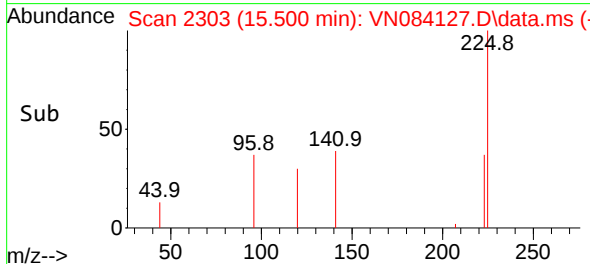
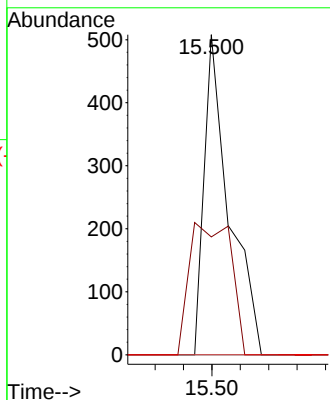
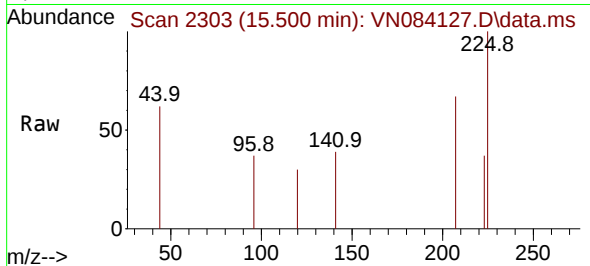




#94
Hexachlorobutadiene
Concen: 0.417 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

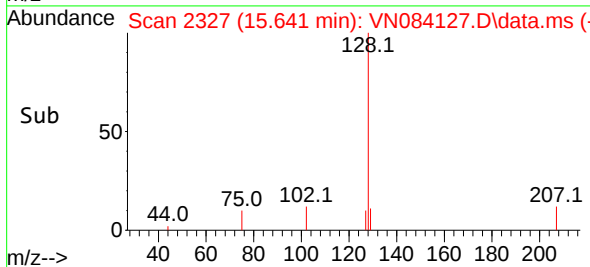
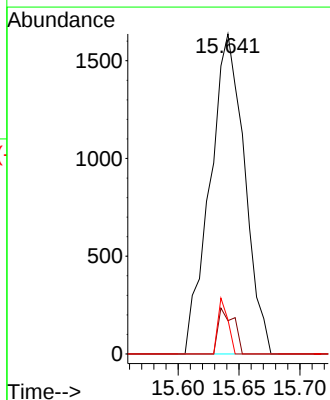
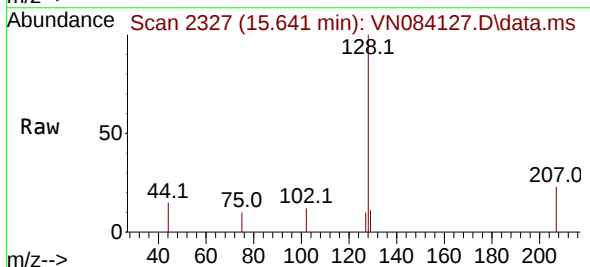
Instrument :
MSVOA_N
ClientSampleId :
RE120D2-20240912DL

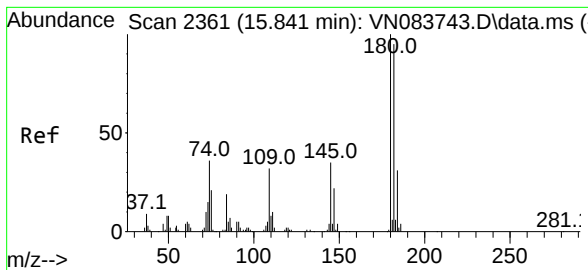
Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.4	31.9	95.5
227	0.0	32.0	96.2#



#95
Naphthalene
Concen: 0.607 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084127.D
Acq: 24 Sep 2024 12:19

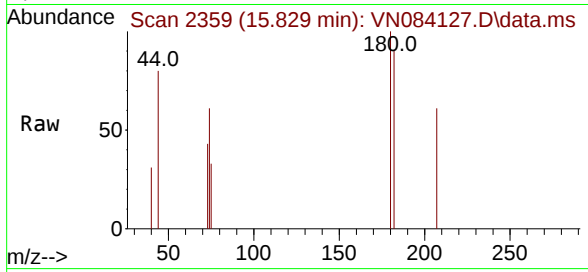
Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.5	10.2	15.2#
129	5.0	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.518 ug/l
 RT: 15.829 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN084127.D
 Acq: 24 Sep 2024 12:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D2-20240912DL



Tgt Ion:	180	Resp:	867
Ion	Ratio	Lower	Upper
180	100		
182	99.9	47.1	141.4
145	21.2	17.8	53.5

