

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120122\
 Data File : VN075516.D
 Acq On : 01 Dec 2022 15:35
 Operator : JC\MD
 Sample : VN1201MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 04:36:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

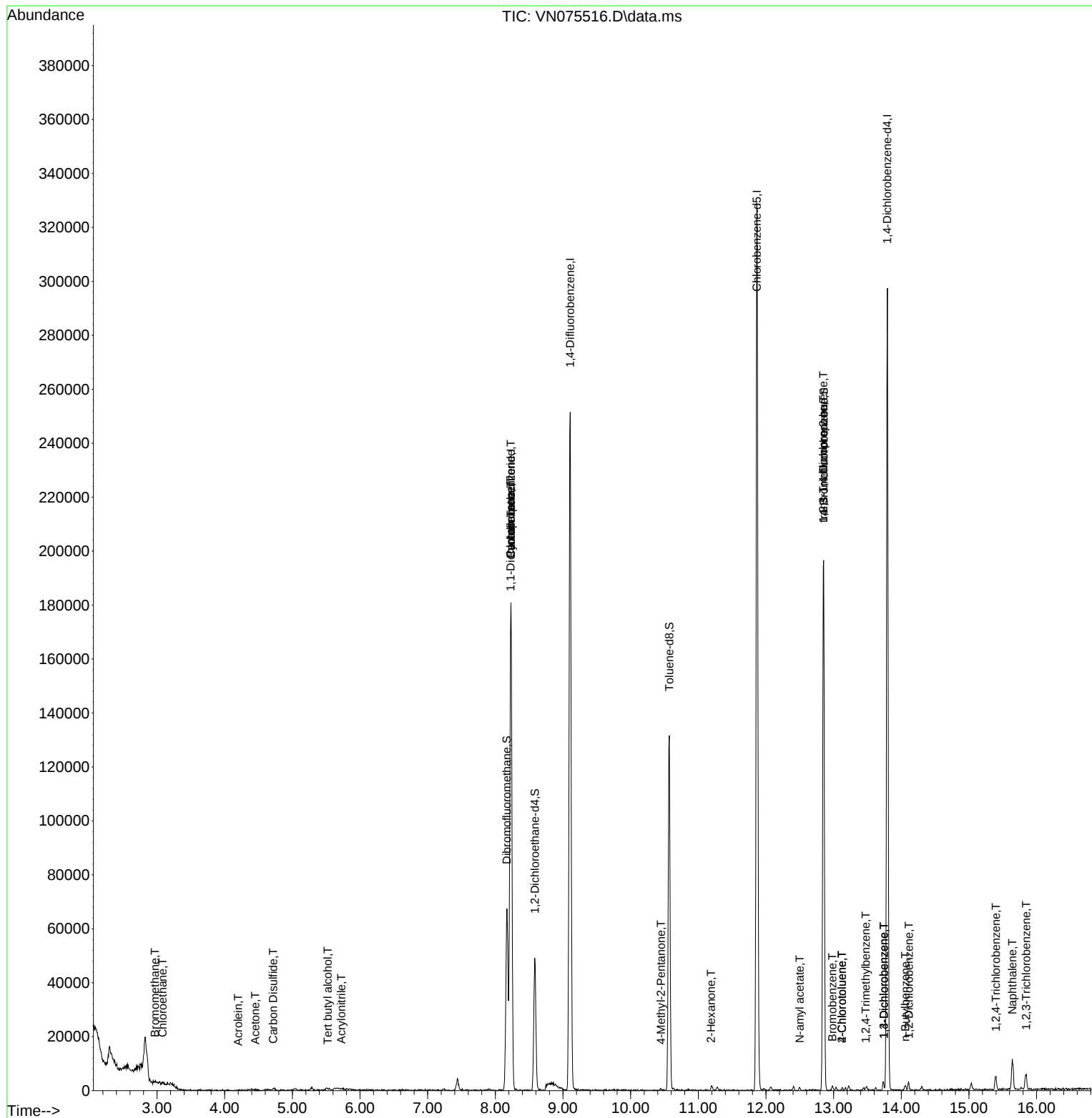
Internal Standards						
1) Pentafluorobenzene	8.229	168	146333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	239127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	208687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	38341	48.811	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.620%		
35) Dibromofluoromethane	8.171	113	48145	51.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.500%		
50) Toluene-d8	10.571	98	96958	45.827	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.660%		
62) 4-Bromofluorobenzene	12.853	95	68543	43.892	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.780%		
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	678	0.439	ug/l #	43
6) Chloroethane	3.083	64	424	0.319	ug/l #	45
11) Tert butyl alcohol	5.524	59	198	0.600	ug/l #	72
13) Acrolein	4.200	56	192	0.668	ug/l #	50
15) Acrylonitrile	5.724	53	367	0.485	ug/l #	50
16) Acetone	4.453	43	291	0.397	ug/l #	43
17) Carbon Disulfide	4.718	76	1350	0.383	ug/l #	74
18) Methyl Acetate	5.030	43	868	Below Cal	#	47
20) Methylene Chloride	5.283	84	797	Below Cal	#	30
31) Cyclohexane	8.229	56	2686	1.076	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	9671	4.721	ug/l #	49
38) Carbon Tetrachloride	8.229	117	13864	6.161	ug/l #	16
51) 4-Methyl-2-Pentanone	10.447	43	772	0.409	ug/l #	34
59) 2-Hexanone	11.188	43	1403	0.991	ug/l	90
74) N-amyl acetate	12.500	43	919	0.485	ug/l #	60
76) 1,2,3-Trichloropropane	12.847	75	34154	21.390	ug/l #	1
77) Bromobenzene	12.982	156	444	0.291	ug/l	89
79) 2-Chlorotoluene	13.123	91	855	0.206	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.847	75	34154	63.290	ug/l #	10
82) 4-Chlorotoluene	13.123	91	855	0.206	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	1224	0.238	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	1509	0.523	ug/l	84
88) 1,4-Dichlorobenzene	13.741	146	1509	0.515	ug/l	86
89) n-Butylbenzene	14.059	91	1681	0.373	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	1703	0.605	ug/l	85
93) 1,2,4-Trichlorobenzene	15.400	180	2583	1.792	ug/l	91
95) Naphthalene	15.641	128	11854	2.614	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	2986	2.107	ug/l	95

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

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Data File : VN075516.D
Acq On : 01 Dec 2022 15:35
Operator : JC\MD
Sample : VN1201MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

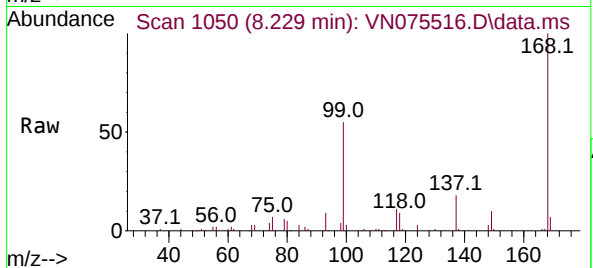
Quant Time: Dec 02 04:36:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
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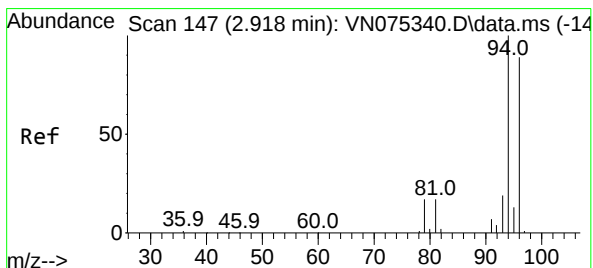
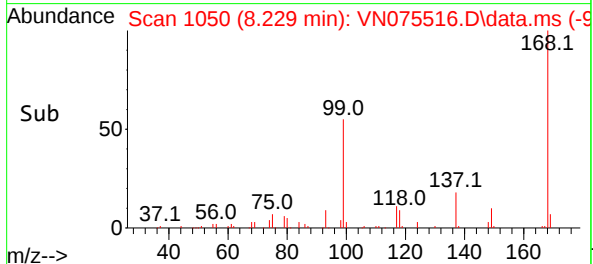
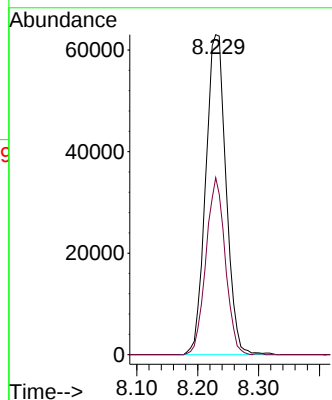


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

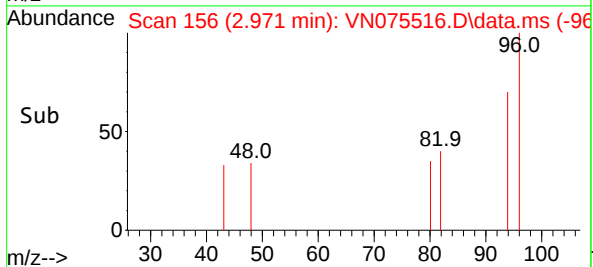
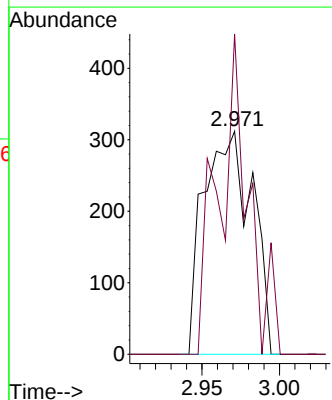
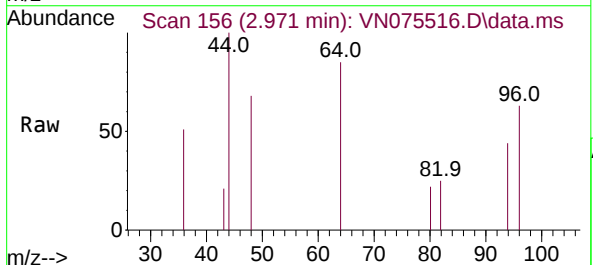


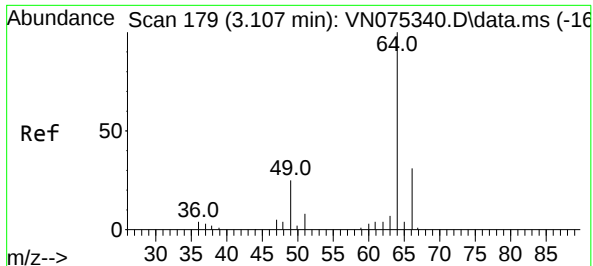
Tgt Ion:168 Resp: 146333
Ion Ratio Lower Upper
168 100
99 55.3 51.6 77.4



#5
Bromomethane
Concen: 0.439 ug/l
RT: 2.971 min Scan# 156
Delta R.T. 0.053 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

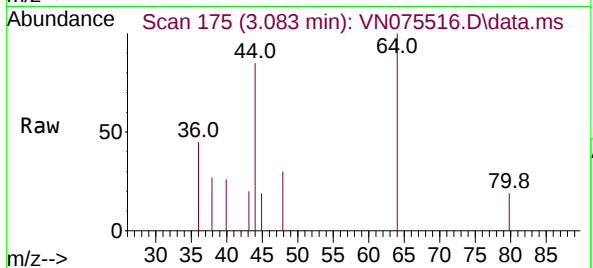
Tgt Ion: 94 Resp: 678
Ion Ratio Lower Upper
94 100
96 143.6 71.8 107.6#



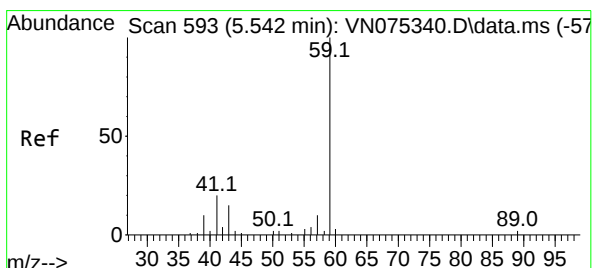
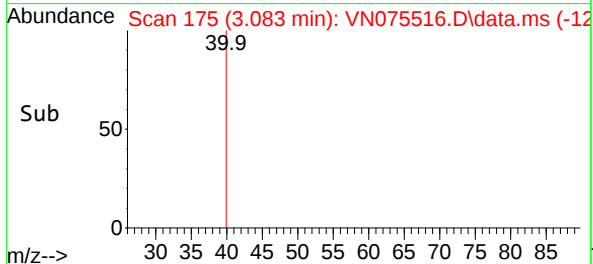
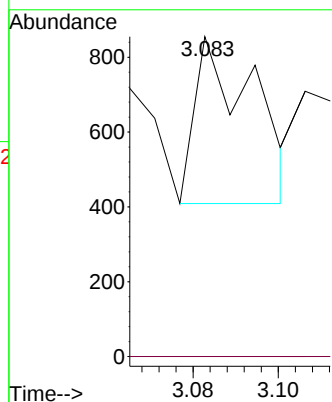


#6
Chloroethane
Concen: 0.319 ug/l
RT: 3.083 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

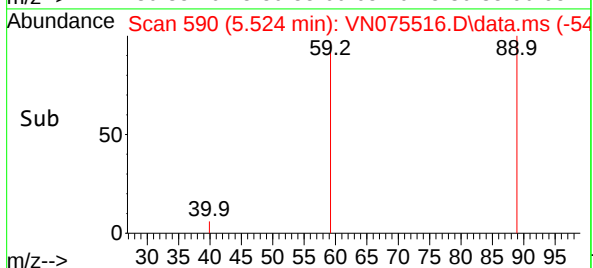
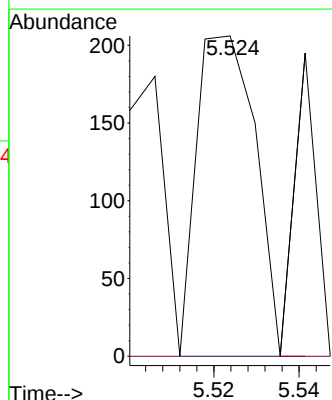
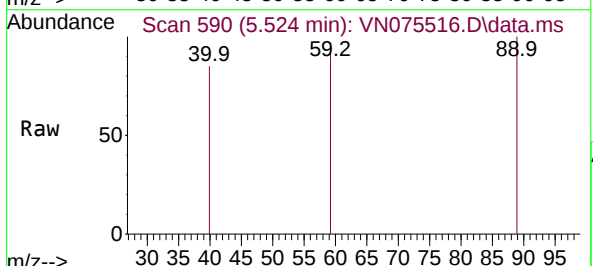


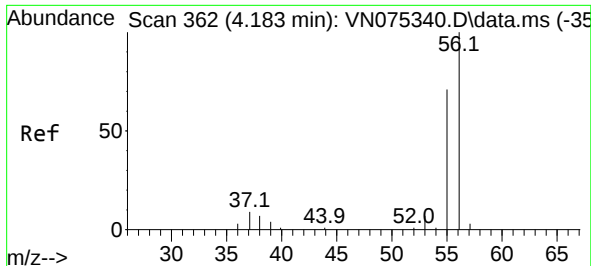
Tgt Ion: 64 Resp: 424
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.600 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.018 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

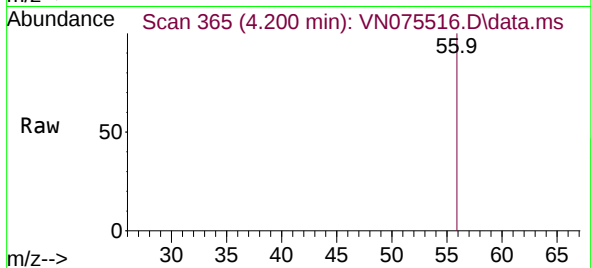
Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



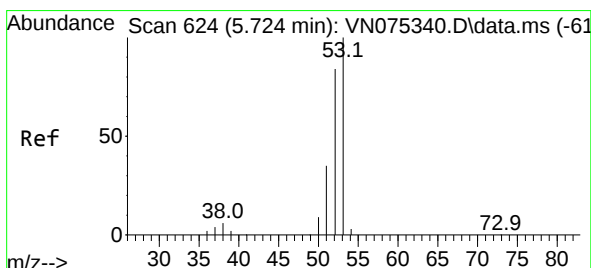
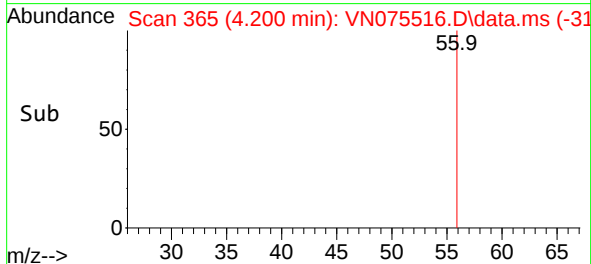
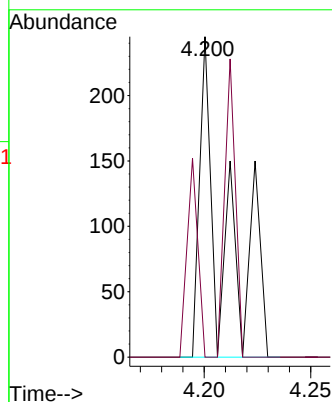


#13
Acrolein
Concen: 0.668 ug/l
RT: 4.200 min Scan# 362
Delta R.T. 0.017 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

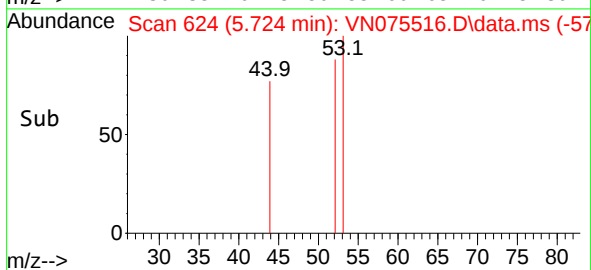
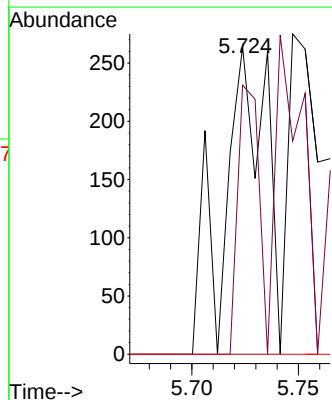
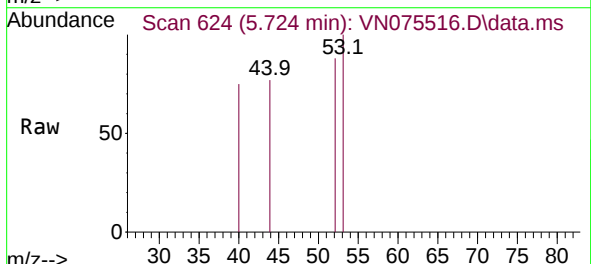


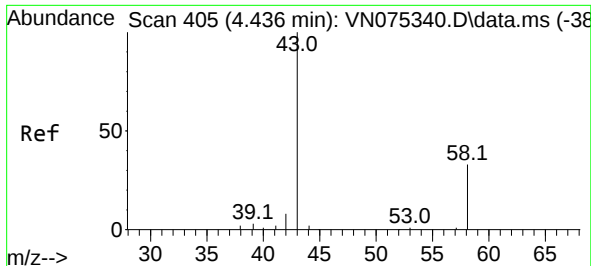
Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 28.1 55.2 82.8#



#15
Acrylonitrile
Concen: 0.485 ug/l
RT: 5.724 min Scan# 624
Delta R.T. -0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion: 53 Resp: 367
Ion Ratio Lower Upper
53 100
52 43.3 66.4 99.6#
51 0.0 29.6 44.4#

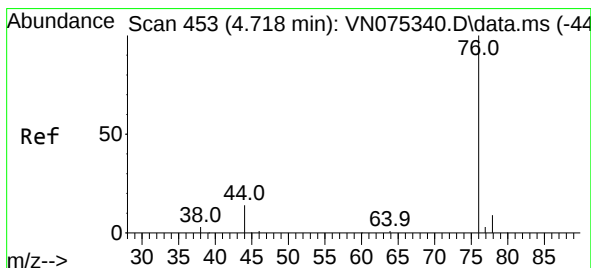
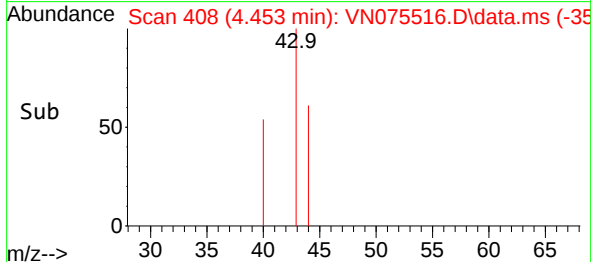
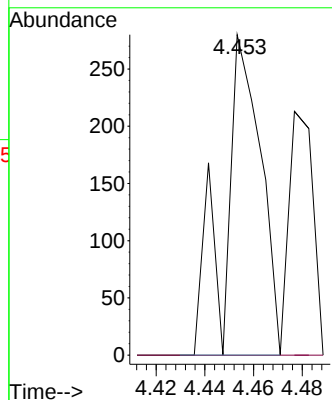
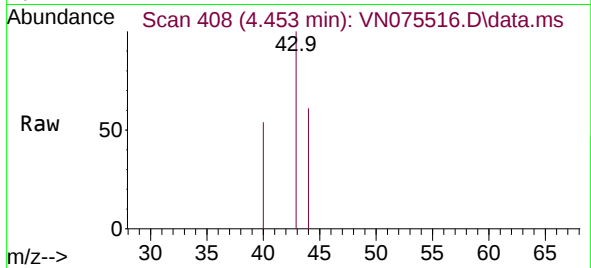




#16
Acetone
Concen: 0.397 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.017 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

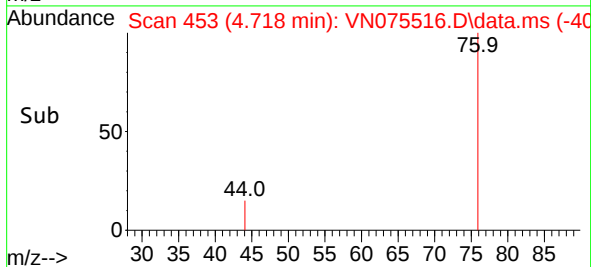
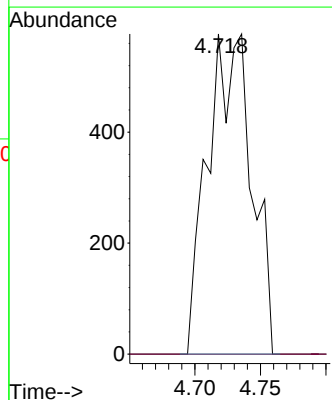
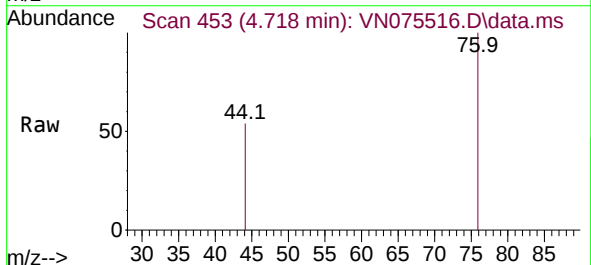
Instrument :
MSVOA_N
ClientSampleId :

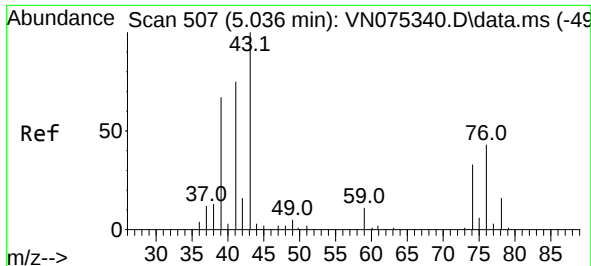
Tgt Ion: 43 Resp: 291
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#



#17
Carbon Disulfide
Concen: 0.383 ug/l
RT: 4.718 min Scan# 453
Delta R.T. -0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion: 76 Resp: 1350
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

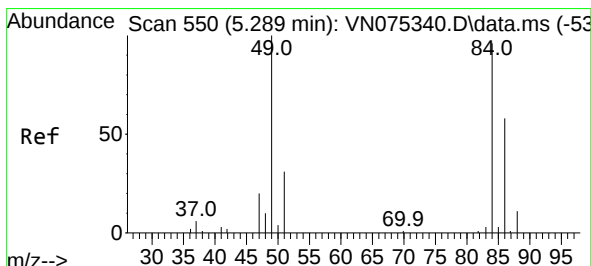
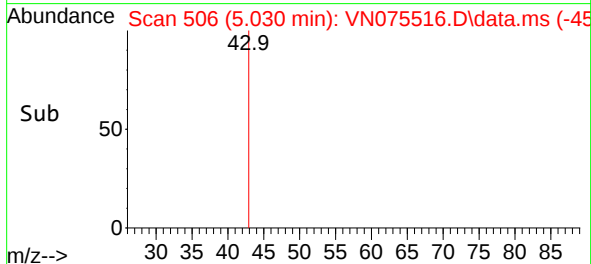
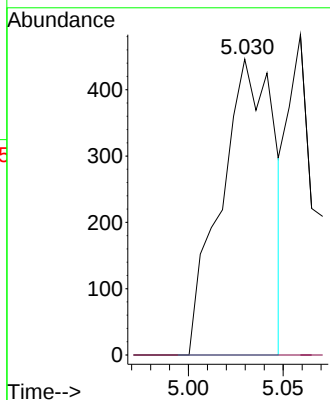
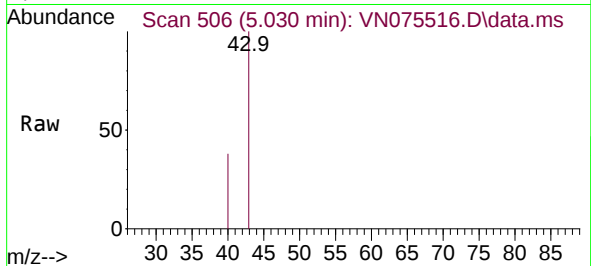




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 507
Delta R.T. -0.006 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

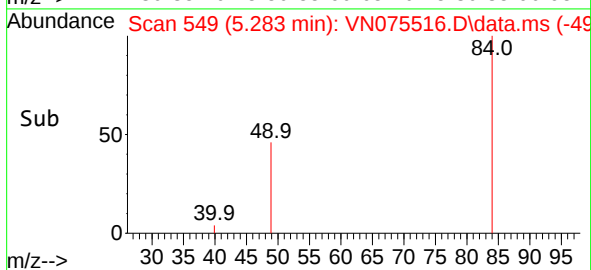
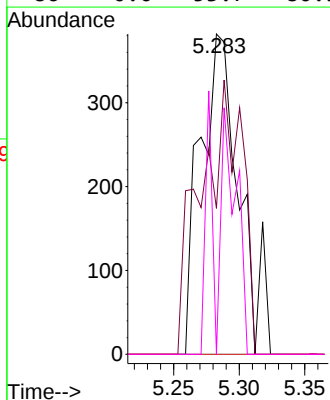
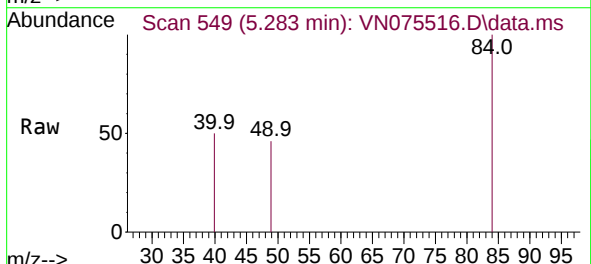
Instrument :
MSVOA_N
ClientSampleId :

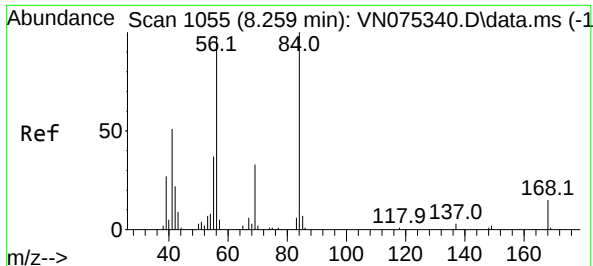
Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion: 84 Resp: 797
Ion Ratio Lower Upper
84 100
49 45.5 94.9 142.3#
51 0.0 26.8 40.2#
86 0.0 53.7 80.5#





#31

Cyclohexane

Concen: 1.076 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.030 min

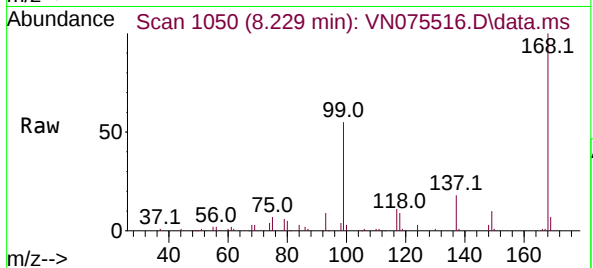
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Acq: 01 Dec 2022 15:35

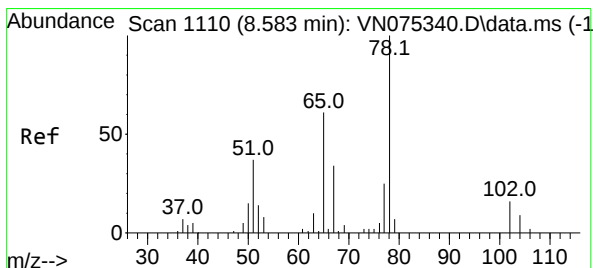
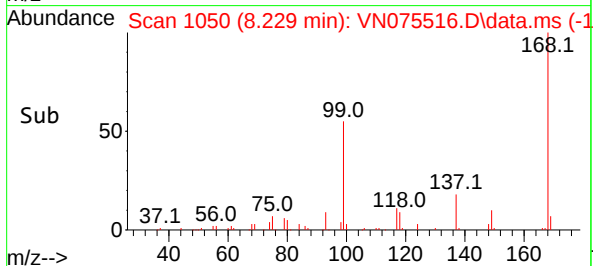
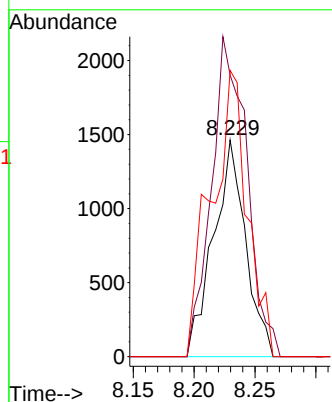
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	2686
Ion Ratio	Lower	Upper	
56	100		
69	130.0	25.2	37.8#
84	132.1	77.8	116.8#



#33

1,2-Dichloroethane-d4

Concen: 48.811 ug/l

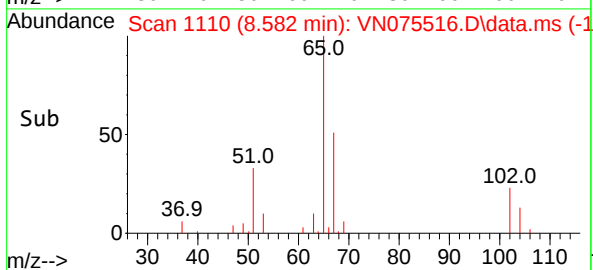
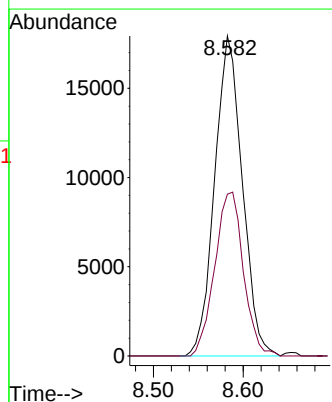
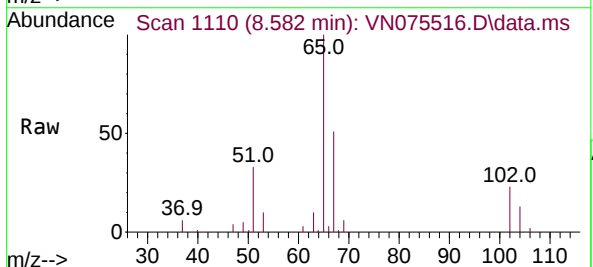
RT: 8.582 min Scan# 1110

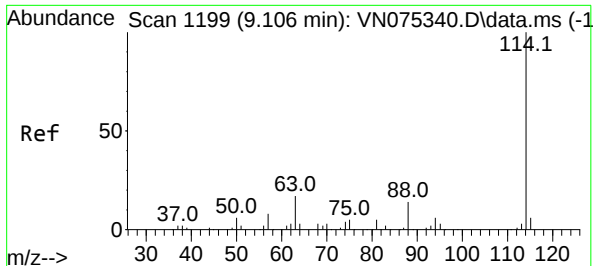
Delta R.T. -0.001 min

Lab File: VN075516.D

Acq: 01 Dec 2022 15:35

Tgt Ion:	65	Resp:	38341
Ion Ratio	Lower	Upper	
65	100		
67	53.1	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075516.D

Acq: 01 Dec 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :

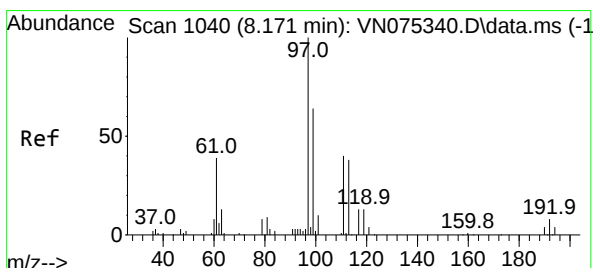
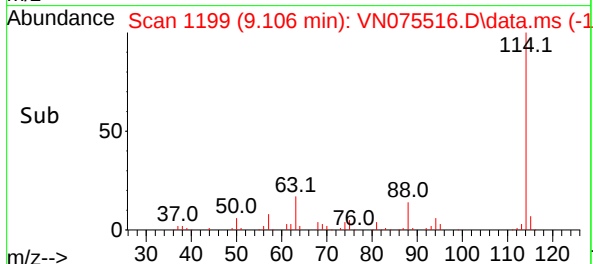
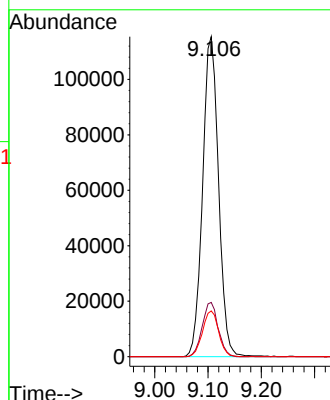
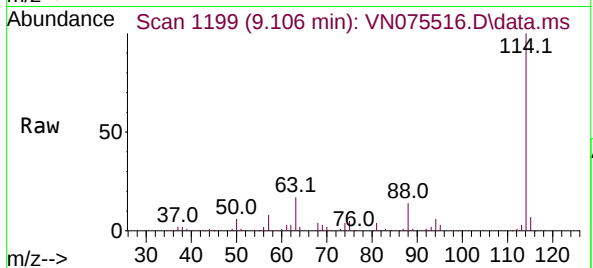
Tgt Ion:114 Resp: 239127

Ion Ratio Lower Upper

114 100

63 16.9 0.0 39.6

88 14.3 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.252 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075516.D

Acq: 01 Dec 2022 15:35

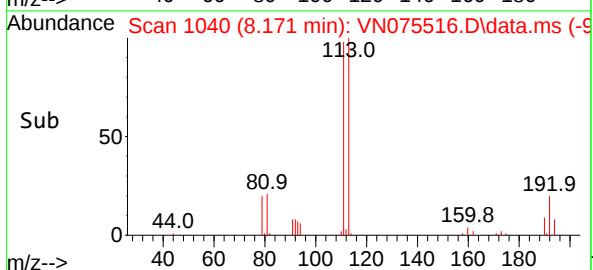
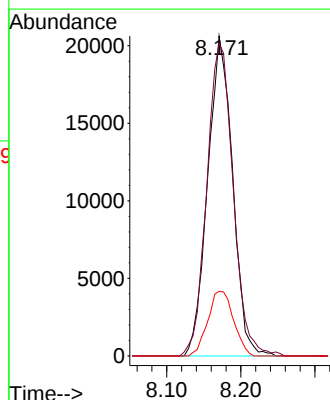
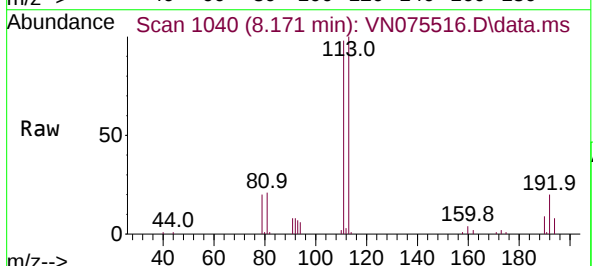
Tgt Ion:113 Resp: 48145

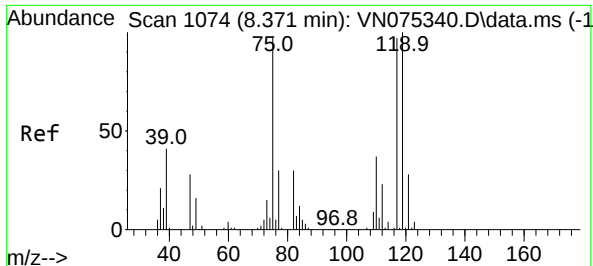
Ion Ratio Lower Upper

113 100

111 103.4 80.5 120.7

192 20.9 13.2 19.8#





#36

1,1-Dichloropropene

Concen: 4.721 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN075516.D

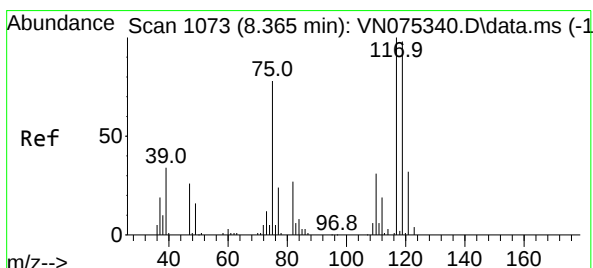
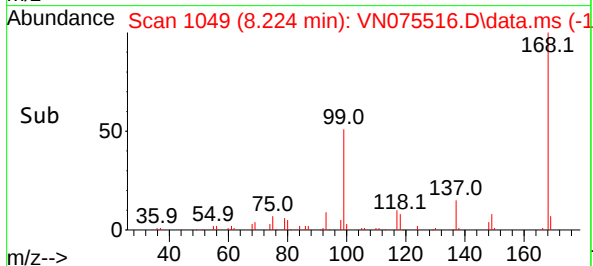
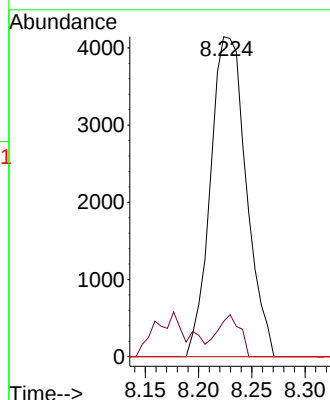
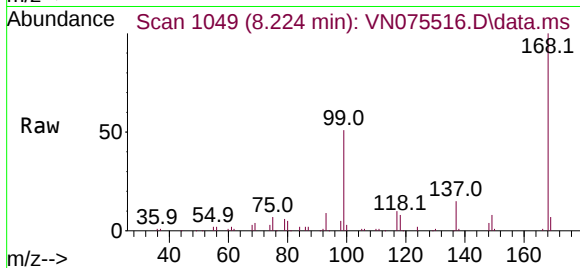
Acq: 01 Dec 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	9671
Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.8	53.3#
77	0.0	24.6	37.0#



#38

Carbon Tetrachloride

Concen: 6.161 ug/l

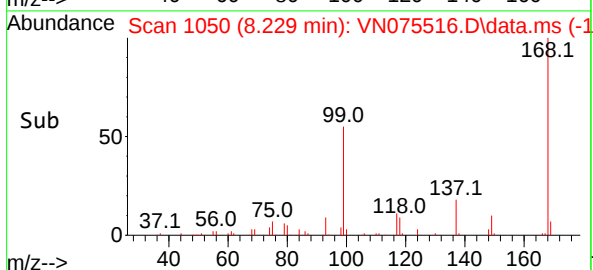
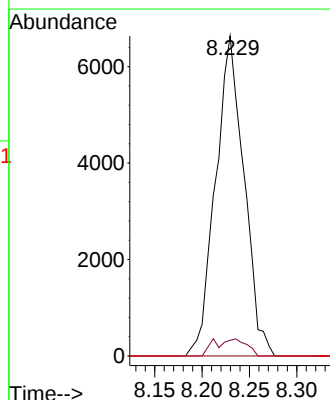
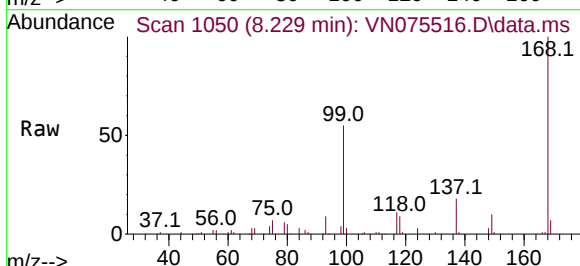
RT: 8.229 min Scan# 1050

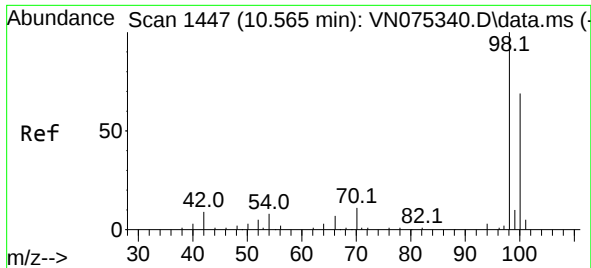
Delta R.T. -0.136 min

Lab File: VN075516.D

Acq: 01 Dec 2022 15:35

Tgt Ion:	117	Resp:	13864
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.7	115.1#
121	0.0	23.9	35.9#

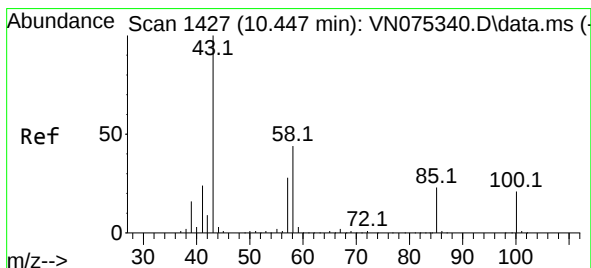
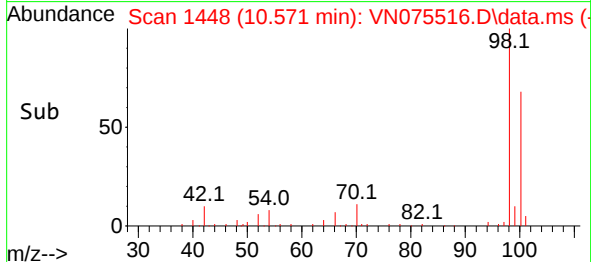
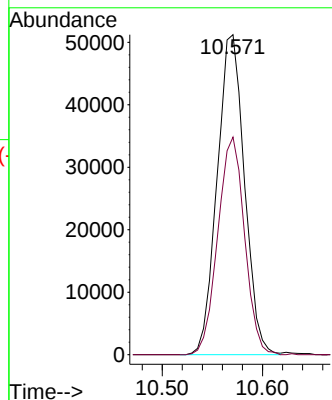
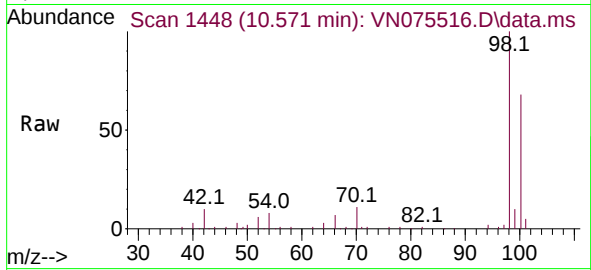




#50
Toluene-d8
Concen: 45.827 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

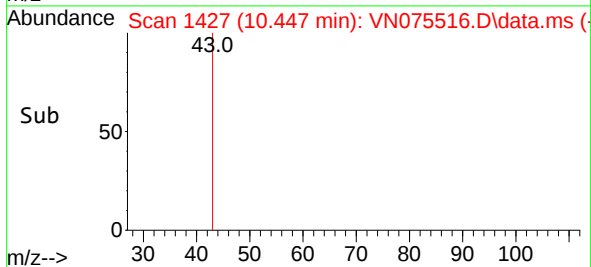
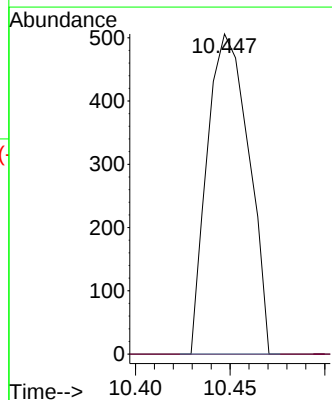
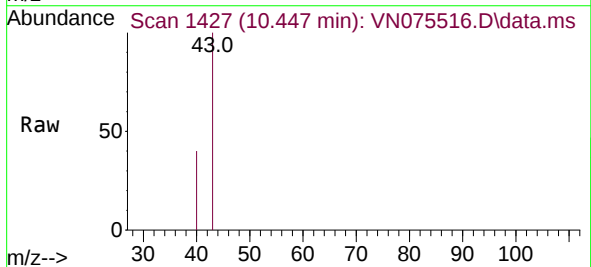
Instrument :
MSVOA_N
ClientSampleId :

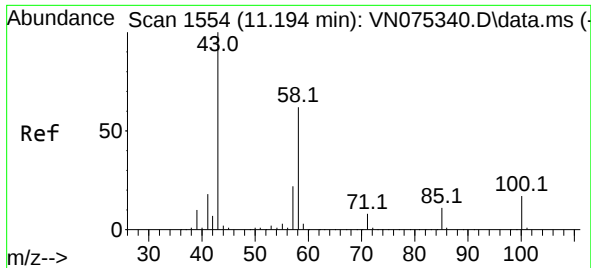
Tgt Ion: 98 Resp: 96958
Ion Ratio Lower Upper
98 100
100 66.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.409 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

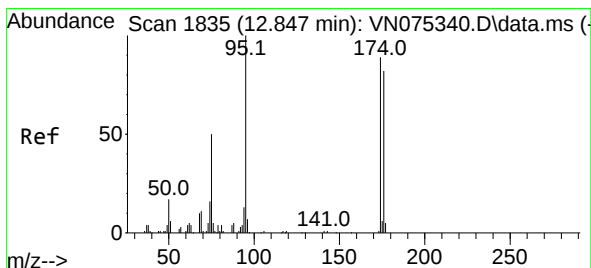
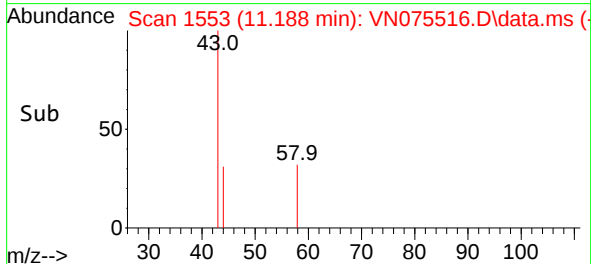
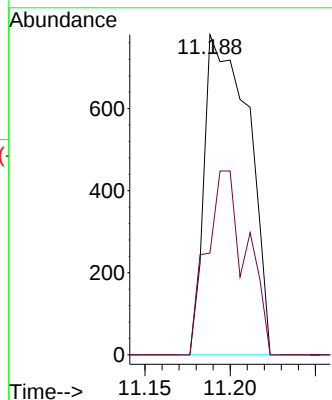
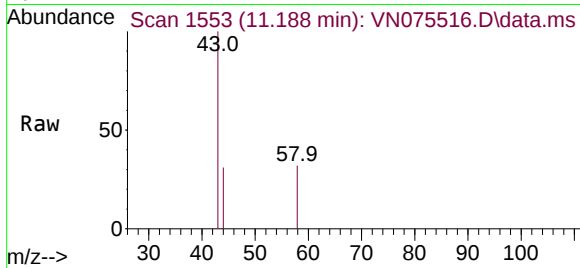




#59
2-Hexanone
Concen: 0.991 ug/l
RT: 11.188 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

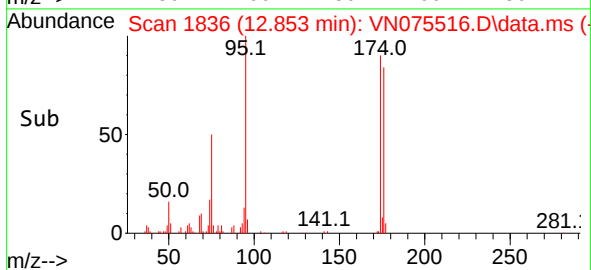
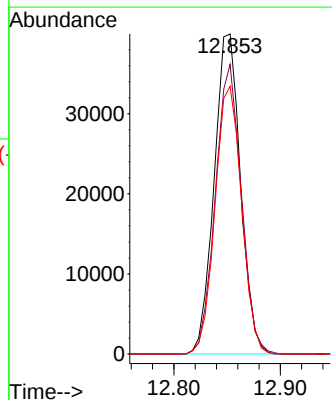
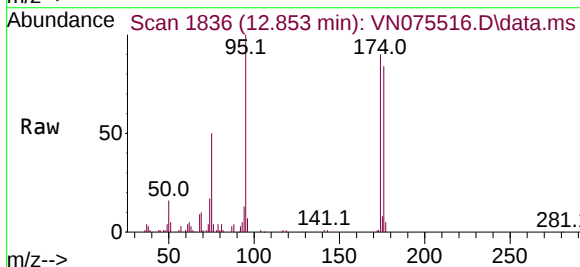
Instrument :
MSVOA_N
ClientSampleId :

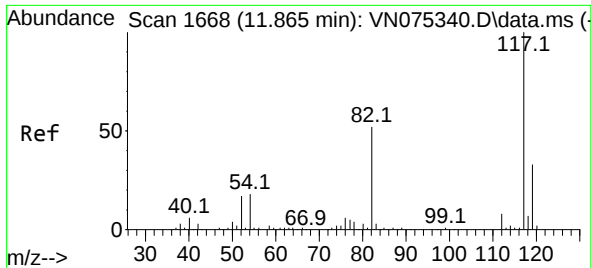
Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
58 51.7 29.6 88.8



#62
4-Bromofluorobenzene
Concen: 43.892 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion: 95 Resp: 68543
Ion Ratio Lower Upper
95 100
174 88.9 0.0 147.4
176 84.2 0.0 142.2

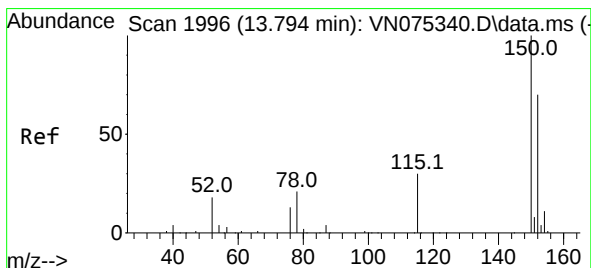
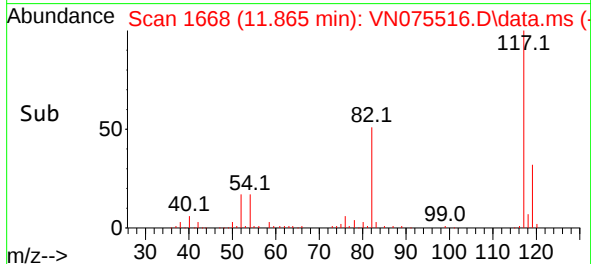
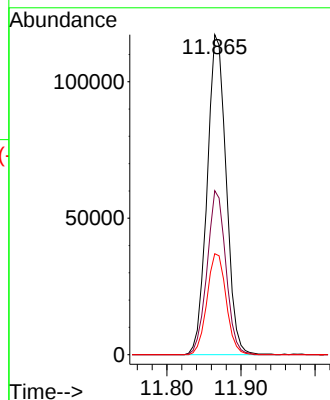
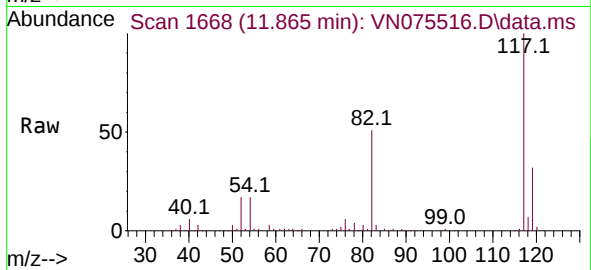




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

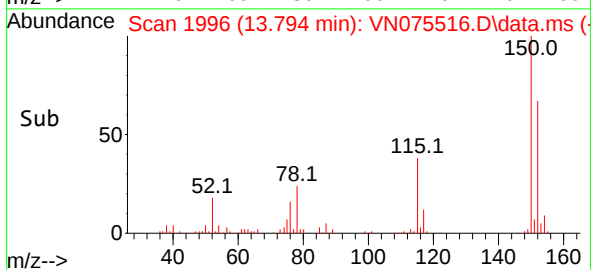
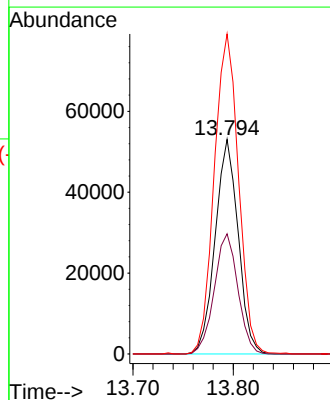
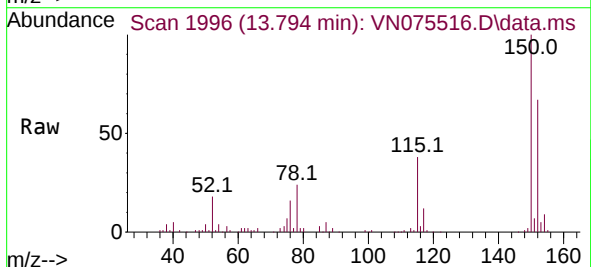
Instrument :
MSVOA_N
ClientSampleId :

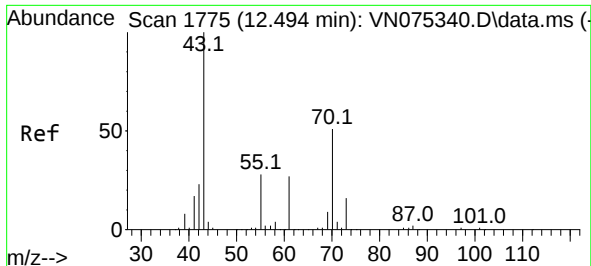
Tgt Ion:117 Resp: 208687
Ion Ratio Lower Upper
117 100
82 51.2 43.1 64.7
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion:152 Resp: 84448
Ion Ratio Lower Upper
152 100
115 57.5 30.2 90.6
150 157.3 0.0 348.4

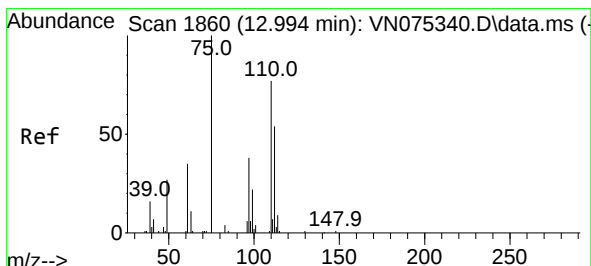
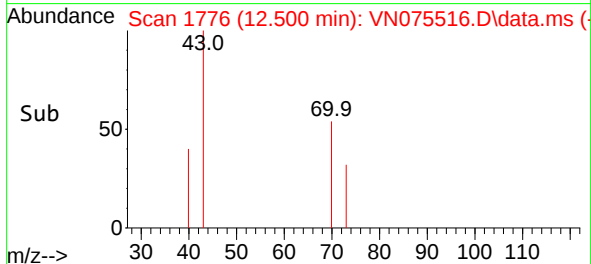
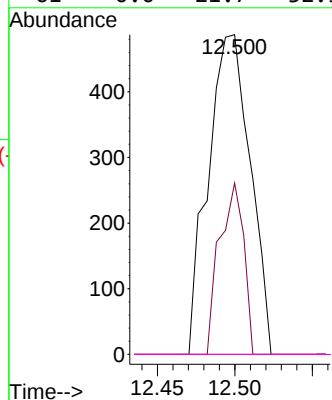
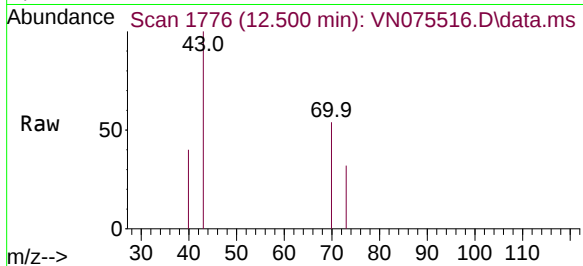




#74
N-amy1 acetate
Concen: 0.485 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

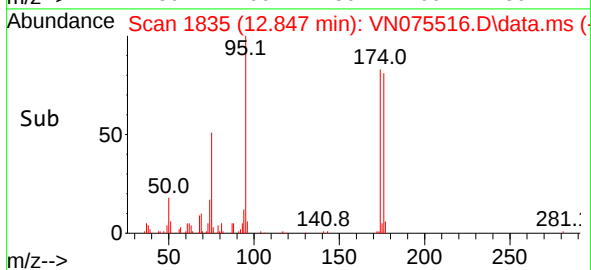
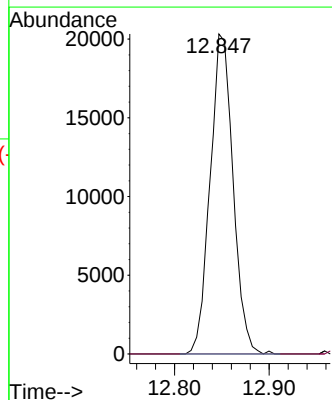
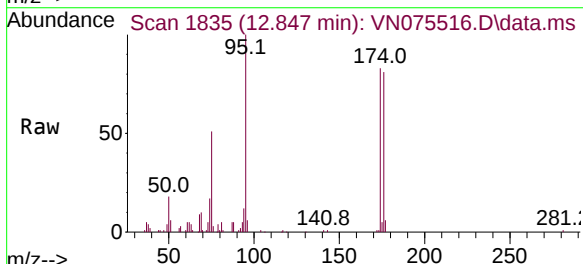
Instrument :
MSVOA_N
ClientSampleId :

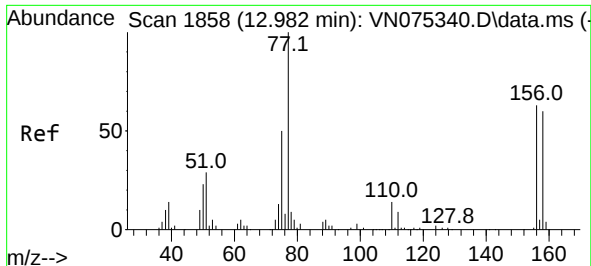
Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
70 30.8 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 21.390 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

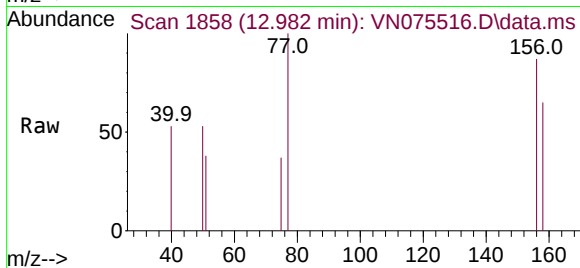
Tgt Ion: 75 Resp: 34154
Ion Ratio Lower Upper
75 100
77 0.0 75.6 226.8#



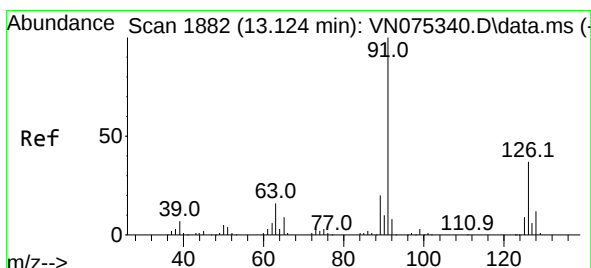
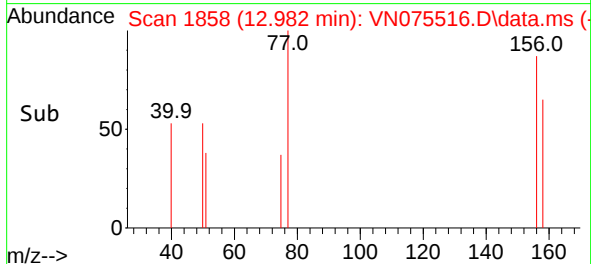
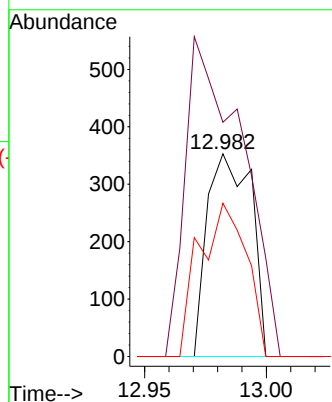


#77
Bromobenzene
Concen: 0.291 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. 0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

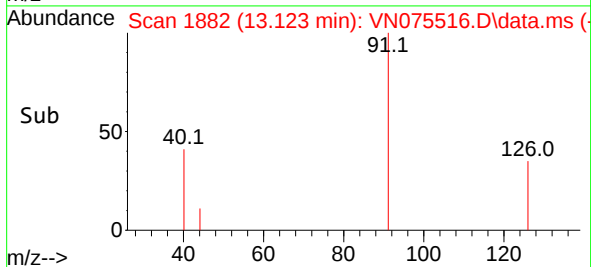
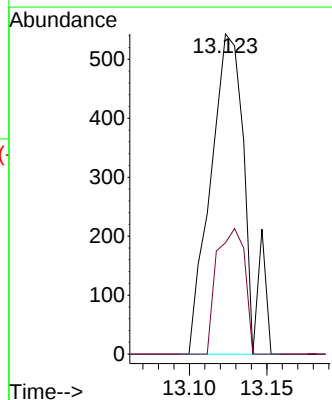
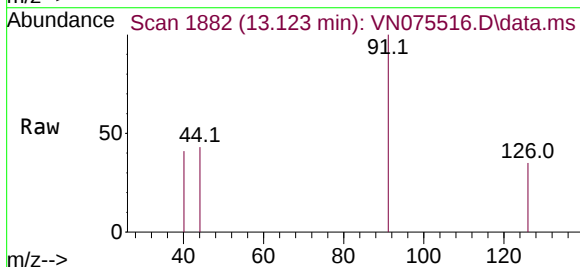


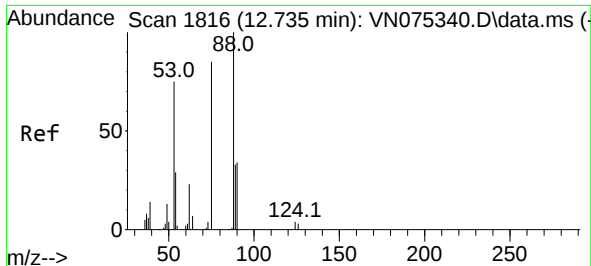
Tgt Ion:156 Resp: 444
Ion Ratio Lower Upper
156 100
77 203.2 108.5 325.5
158 81.1 47.7 143.1



#79
2-Chlorotoluene
Concen: 0.206 ug/l
RT: 13.123 min Scan# 1882
Delta R.T. -0.001 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

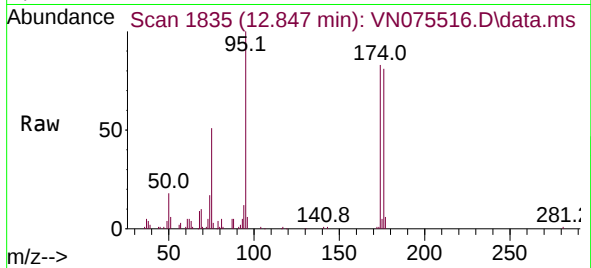
Tgt Ion: 91 Resp: 855
Ion Ratio Lower Upper
91 100
126 31.2 16.9 50.7



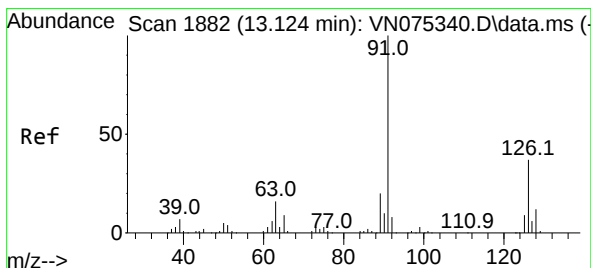
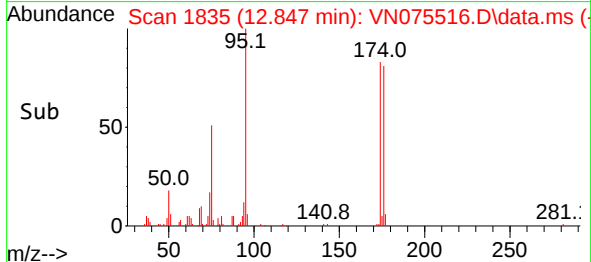
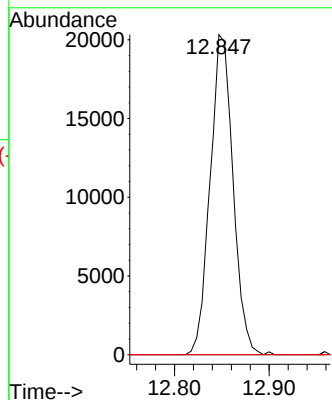


#81
trans-1,4-Dichloro-2-butene
Concen: 63.290 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

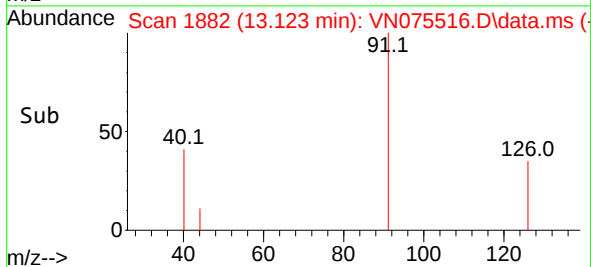
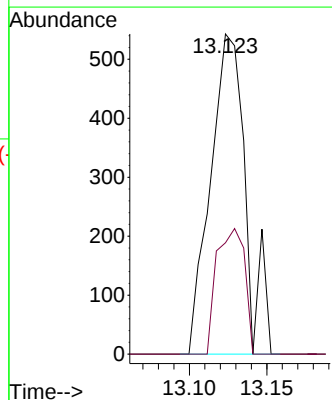
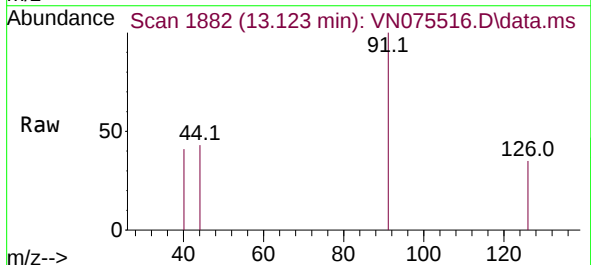


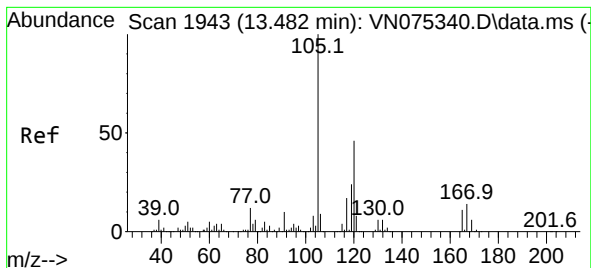
Tgt Ion: 75 Resp: 34154
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: 0.206 ug/l
RT: 13.123 min Scan# 1882
Delta R.T. -0.001 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion: 91 Resp: 855
Ion Ratio Lower Upper
91 100
126 31.2 16.9 50.7





#84

1,2,4-Trimethylbenzene

Concen: 0.238 ug/l

RT: 13.476 min Scan# 1942

Delta R.T. -0.006 min

Lab File: VN075516.D

Acq: 01 Dec 2022 15:35

Instrument :

MSVOA_N

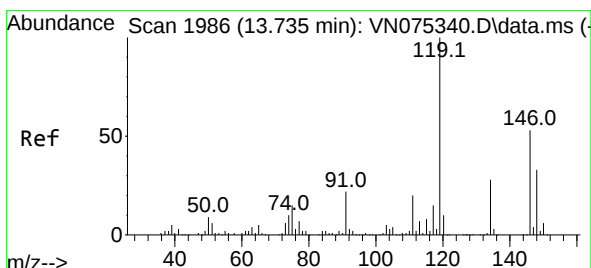
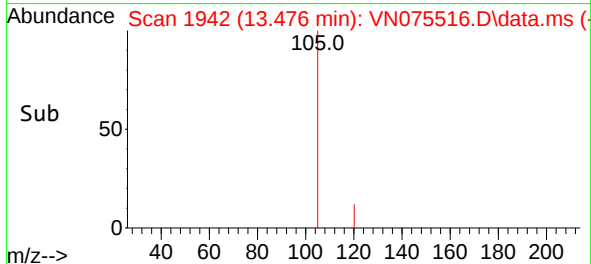
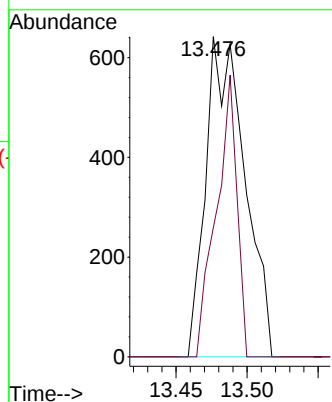
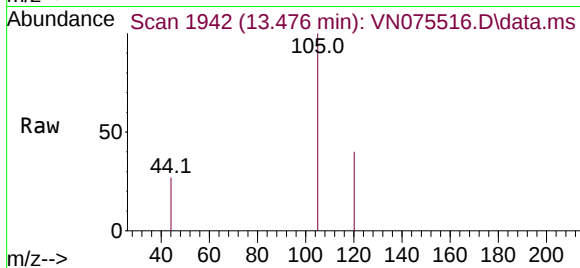
ClientSampleId :

Tgt Ion:105 Resp: 1224

Ion Ratio Lower Upper

105 100

120 46.5 22.7 68.1



#87

1,3-Dichlorobenzene

Concen: 0.523 ug/l

RT: 13.741 min Scan# 1987

Delta R.T. 0.006 min

Lab File: VN075516.D

Acq: 01 Dec 2022 15:35

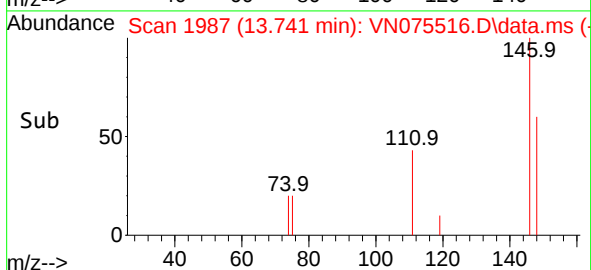
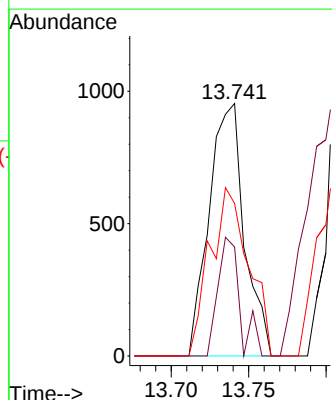
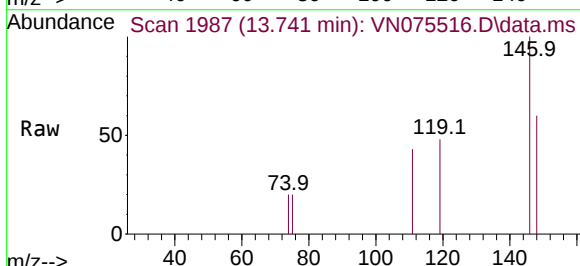
Tgt Ion:146 Resp: 1509

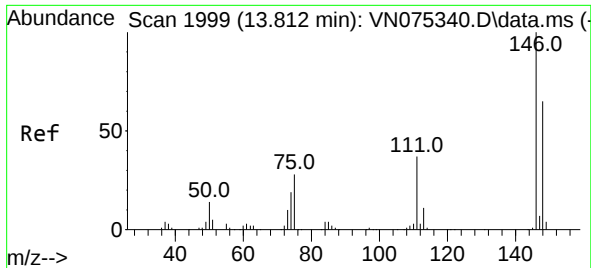
Ion Ratio Lower Upper

146 100

111 29.4 20.8 62.5

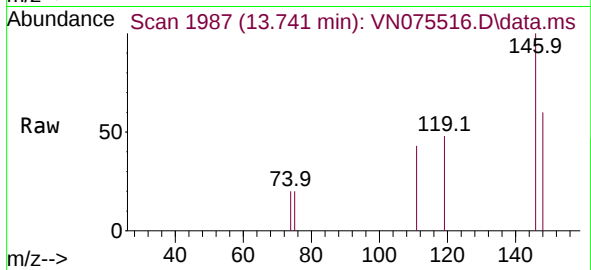
148 73.0 31.1 93.5



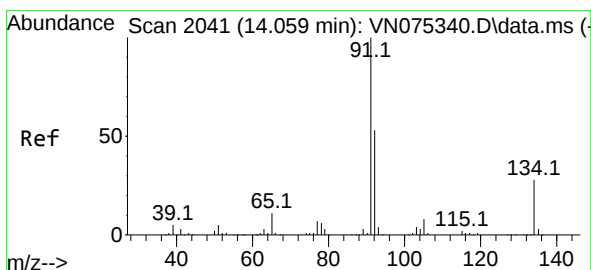
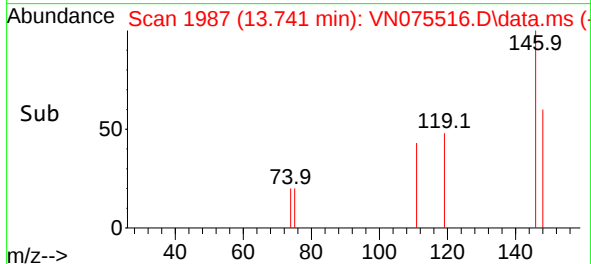
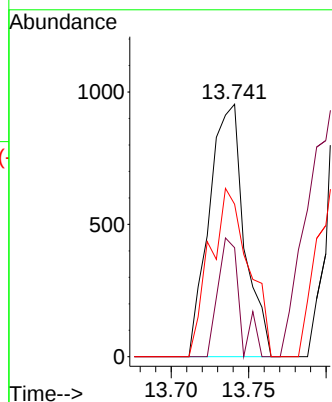


#88
1,4-Dichlorobenzene
Concen: 0.515 ug/l
RT: 13.741 min Scan# 1999
Delta R.T. -0.071 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

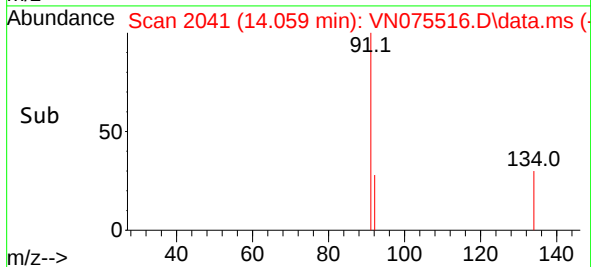
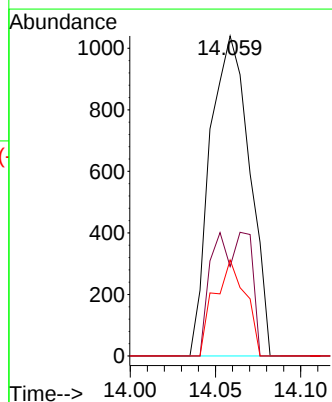
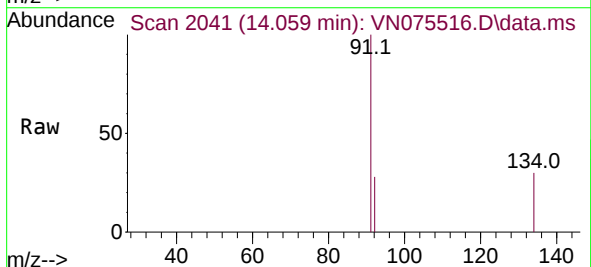


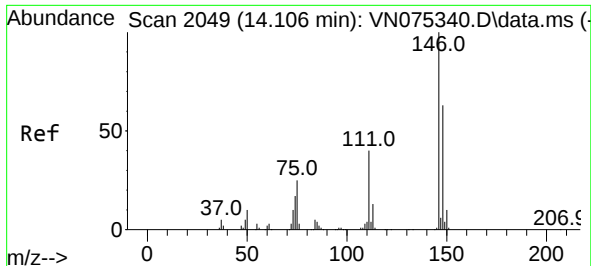
Tgt Ion:146 Resp: 1509
Ion Ratio Lower Upper
146 100
111 29.4 20.1 60.3
148 73.0 31.9 95.7



#89
n-Butylbenzene
Concen: 0.373 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion: 91 Resp: 1681
Ion Ratio Lower Upper
91 100
92 37.8 26.5 79.4
134 23.7 13.0 39.0





#91

1,2-Dichlorobenzene

Concen: 0.605 ug/l

RT: 14.111 min Scan# 2049

Delta R.T. 0.005 min

Lab File: VN075516.D

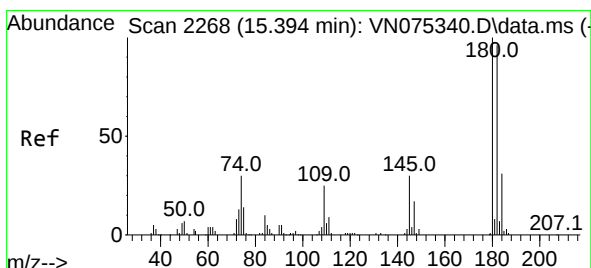
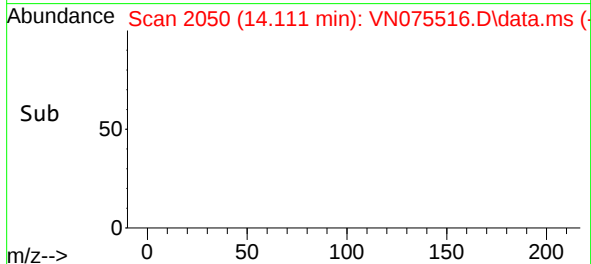
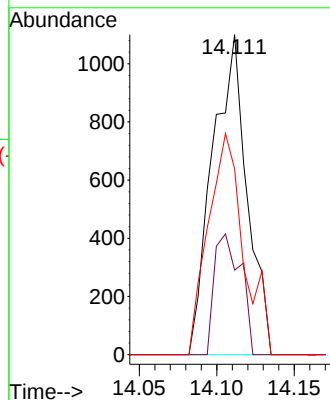
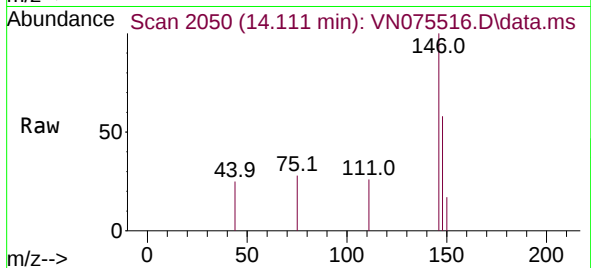
Acq: 01 Dec 2022 15:35

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:146	Resp:	1703
Ion	Ratio	Lower Upper
146	100	
111	28.9	21.3 63.9
148	71.1	31.4 94.2



#93

1,2,4-Trichlorobenzene

Concen: 1.792 ug/l

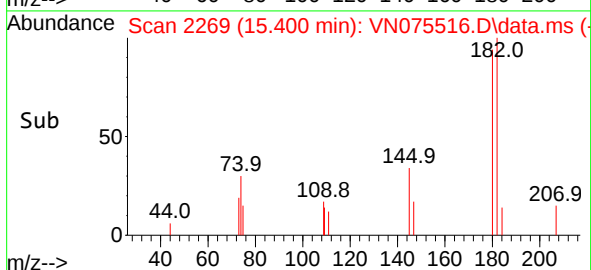
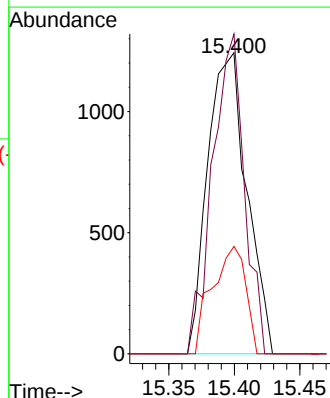
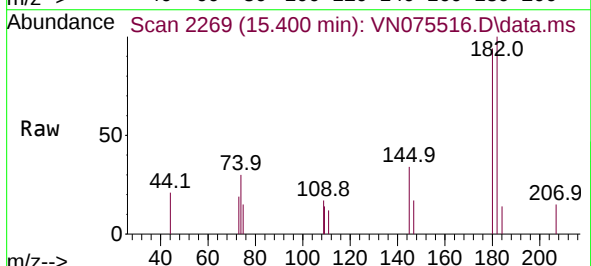
RT: 15.400 min Scan# 2269

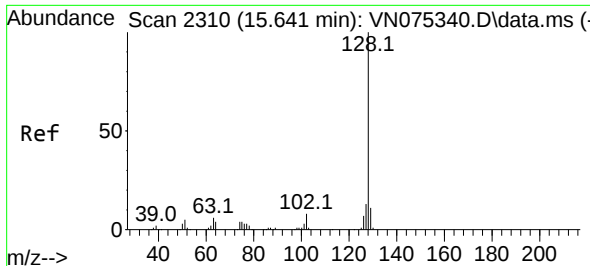
Delta R.T. 0.006 min

Lab File: VN075516.D

Acq: 01 Dec 2022 15:35

Tgt Ion:180	Resp:	2583
Ion	Ratio	Lower Upper
180	100	
182	86.1	47.8 143.4
145	30.5	16.8 50.3

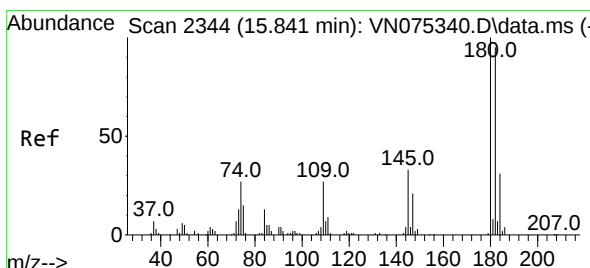
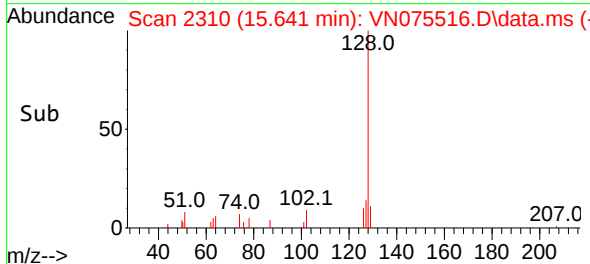
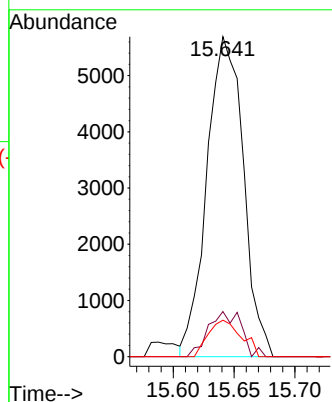
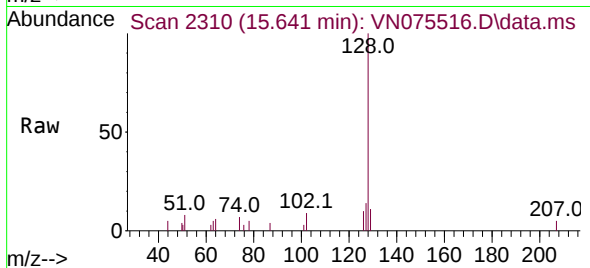




#95
Naphthalene
Concen: 2.614 ug/l
RT: 15.641 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 11854
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.3 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.107 ug/l
RT: 15.847 min Scan# 2345
Delta R.T. 0.006 min
Lab File: VN075516.D
Acq: 01 Dec 2022 15:35

Tgt Ion:180 Resp: 2986
Ion Ratio Lower Upper
180 100
182 91.5 47.3 141.8
145 28.7 17.6 52.9

