

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075509.D
 Acq On : 30 Nov 2022 18:16
 Operator : JC\MD
 Sample : PB149341ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#13

Quant Time: Dec 01 02:18:38 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)

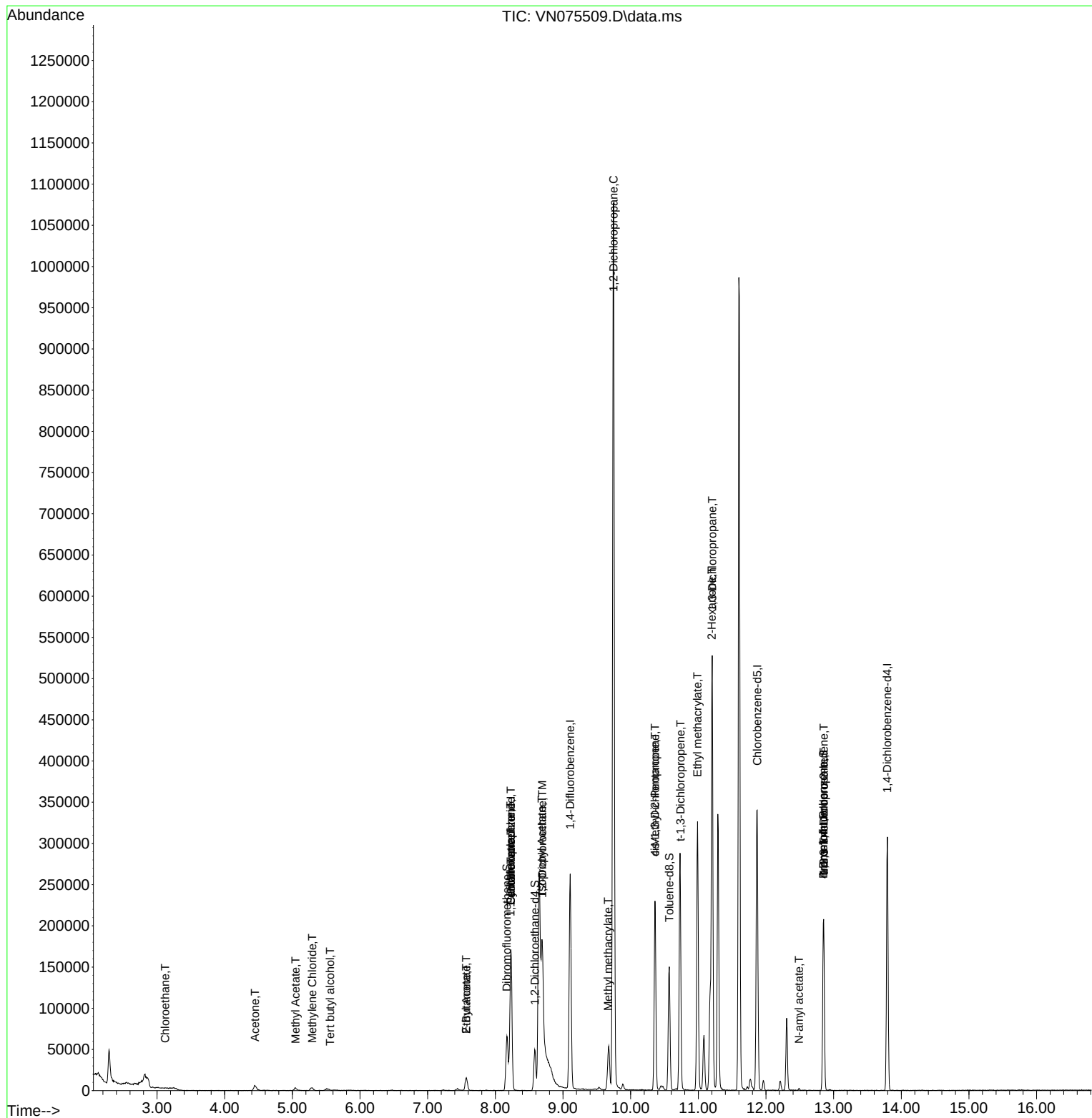
Internal Standards						
1) Pentafluorobenzene	8.230	168	133471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	237881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	215577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87481	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	40893	57.077	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.160%			
35) Dibromofluoromethane	8.171	113	47807	51.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.320%			
50) Toluene-d8	10.571	98	107700	51.171	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.340%			
62) 4-Bromofluorobenzene	12.847	95	73153	47.089	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.180%			
Target Compounds						Qvalue
6) Chloroethane	3.118	64	323	0.266	ug/l #	45
11) Tert butyl alcohol	5.559	59	112	0.372	ug/l #	72
16) Acetone	4.448	43	12781	19.125	ug/l	93
18) Methyl Acetate	5.048	43	6219	2.460	ug/l	97
20) Methylene Chloride	5.295	84	3119	1.050	ug/l #	84
25) 2-Butanone	7.571	43	22248	23.846	ug/l #	43
31) Cyclohexane	8.230	56	2577	1.132	ug/l #	33
36) 1,1-Dichloropropene	8.224	75	9392	4.609	ug/l #	50
37) Ethyl Acetate	7.571	43	22248	12.125	ug/l	98
38) Carbon Tetrachloride	8.230	117	12858	5.744	ug/l #	15
42) 1,2-Dichloroethane	8.694	62	972	0.465	ug/l #	75
43) Isopropyl Acetate	8.688	43	236641	80.344	ug/l #	75
45) 1,2-Dichloropropane	9.747	63	1509	1.015	ug/l #	42
48) Methyl methacrylate	9.665	41	2852	2.094	ug/l #	37
51) 4-Methyl-2-Pentanone	10.359	43	78560	41.878	ug/l #	45
53) t-1,3-Dichloropropene	10.735	75	752	0.344	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	45474	19.149	ug/l #	65
56) Ethyl methacrylate	10.988	69	1225	0.554	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6150	2.303	ug/l #	42
59) 2-Hexanone	11.200	43	65376	46.410	ug/l #	50
71) Bromoform	12.847	173	417	0.330	ug/l #	1
74) N-amyl acetate	12.488	43	1153	0.587	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	35984	21.755	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	35984	64.369	ug/l #	10

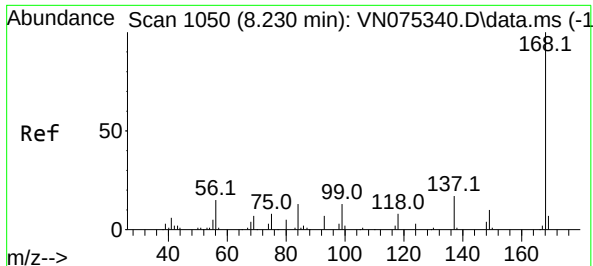
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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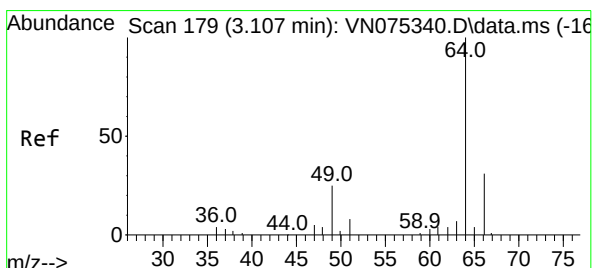
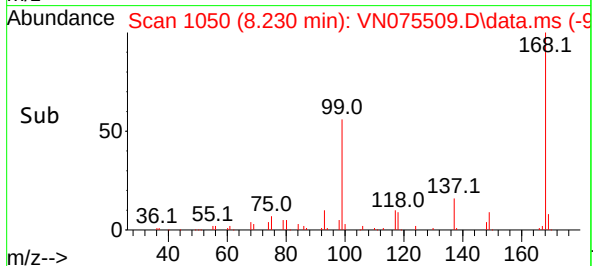
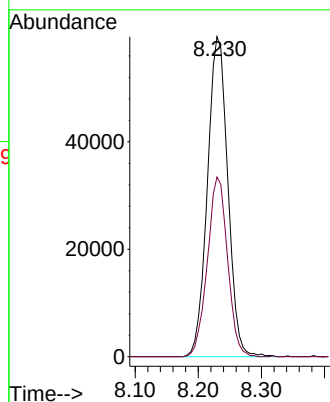
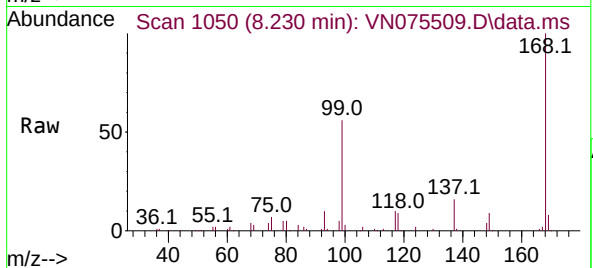




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

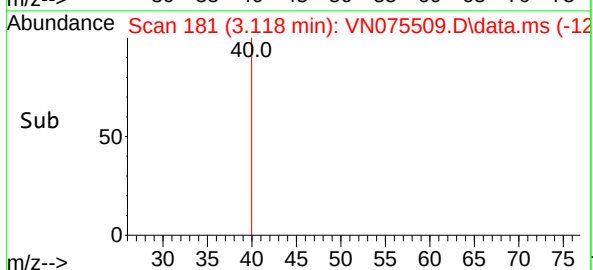
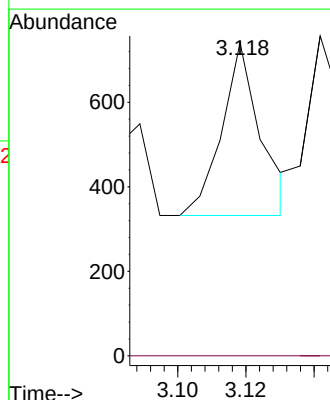
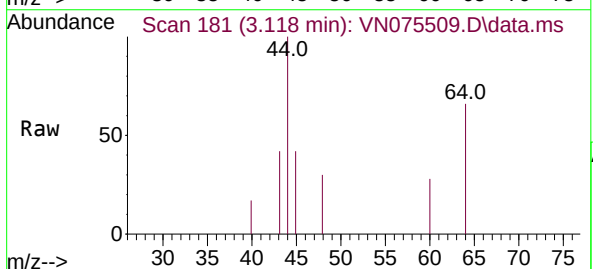
Instrument :
MSVOA_N
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PB149341ZHE#13

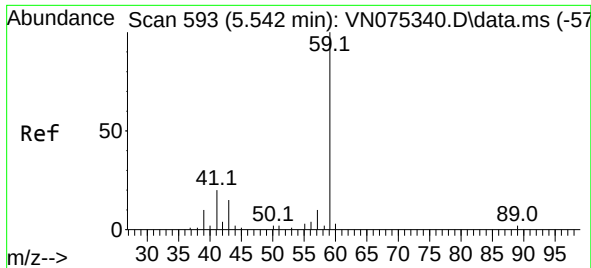
Tgt Ion:168 Resp: 133471
Ion Ratio Lower Upper
168 100
99 56.2 51.6 77.4



#6
Chloroethane
Concen: 0.266 ug/l
RT: 3.118 min Scan# 181
Delta R.T. 0.011 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 64 Resp: 323
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

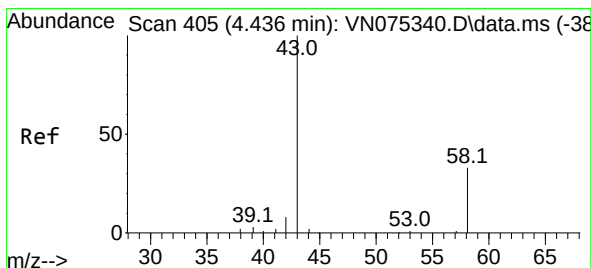
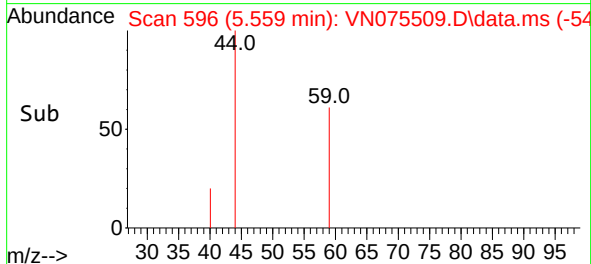
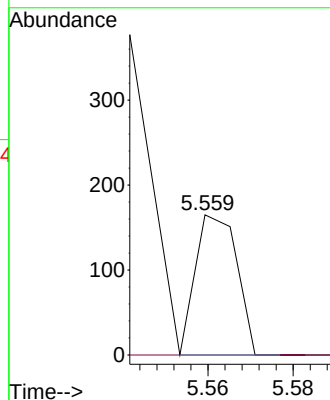
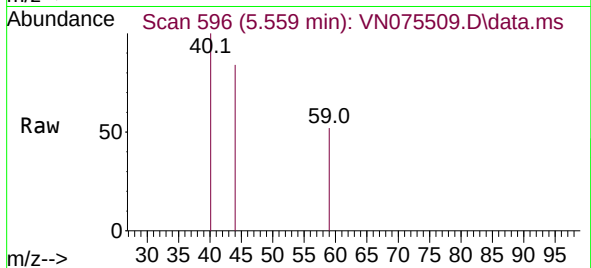




#11
Tert butyl alcohol
Concen: 0.372 ug/l
RT: 5.559 min Scan# 59
Delta R.T. 0.017 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

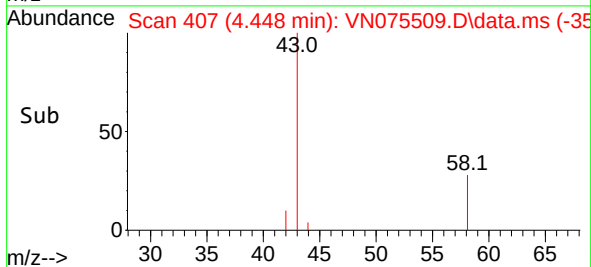
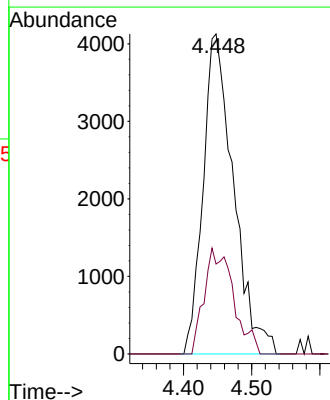
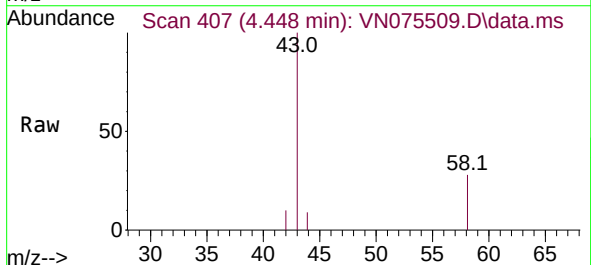
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

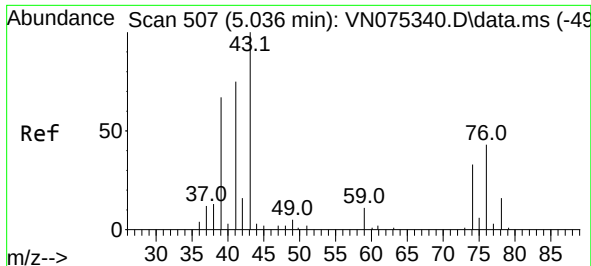
Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 19.125 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 43 Resp: 12781
Ion Ratio Lower Upper
43 100
58 28.1 25.5 38.3

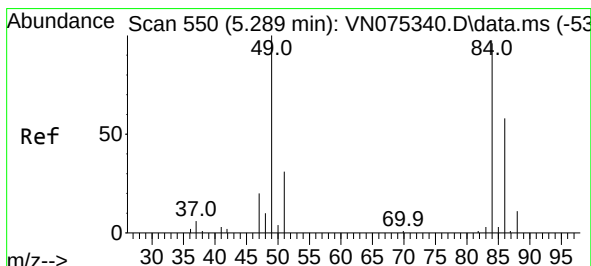
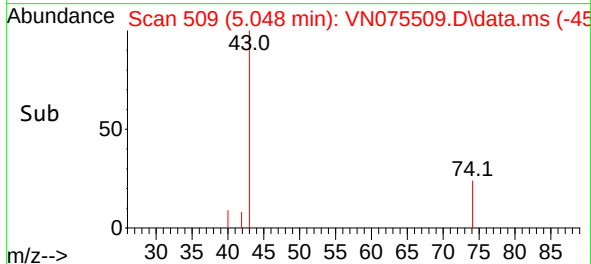
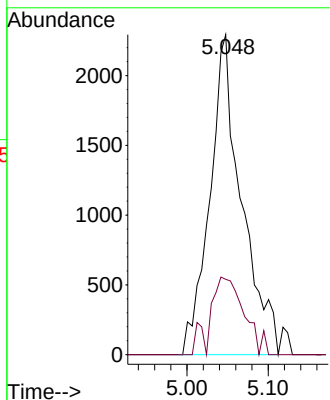
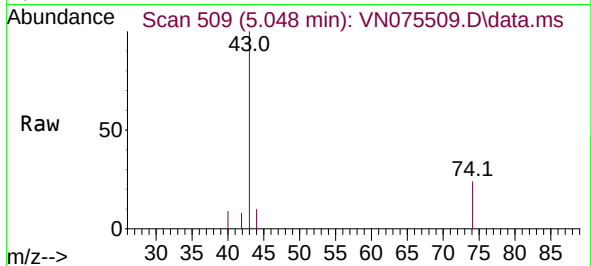




#18
Methyl Acetate
Concen: 2.460 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

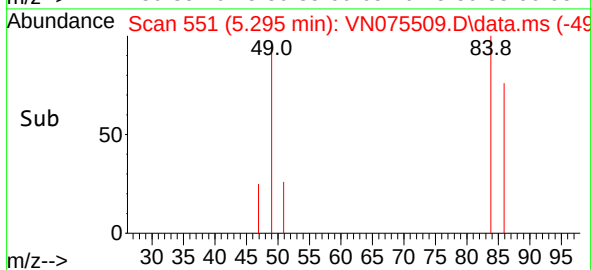
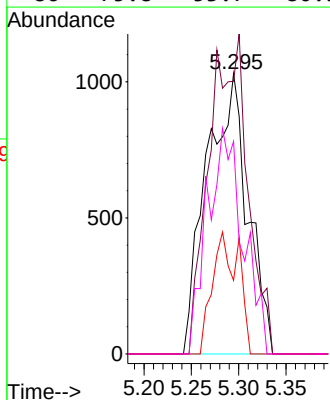
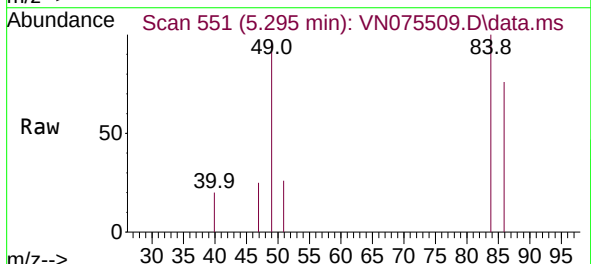
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

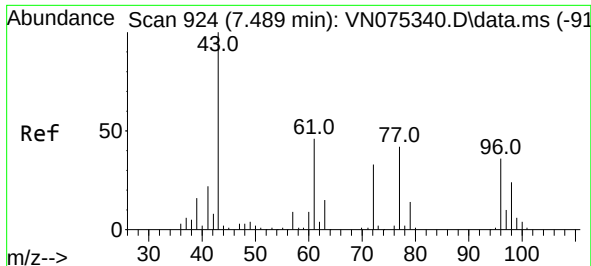
Tgt Ion: 43 Resp: 6219
Ion Ratio Lower Upper
43 100
74 26.1 22.0 33.0



#20
Methylene Chloride
Concen: 1.050 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 84 Resp: 3119
Ion Ratio Lower Upper
84 100
49 97.2 94.9 142.3
51 26.3 26.8 40.2#
86 75.8 53.7 80.5

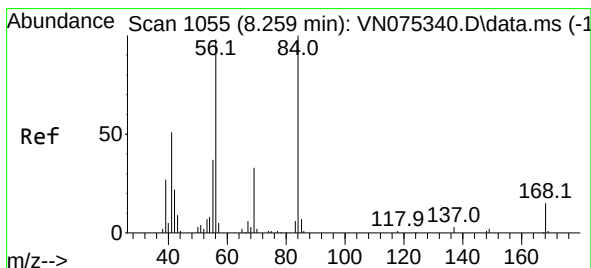
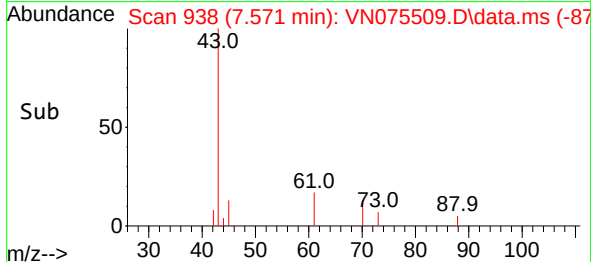
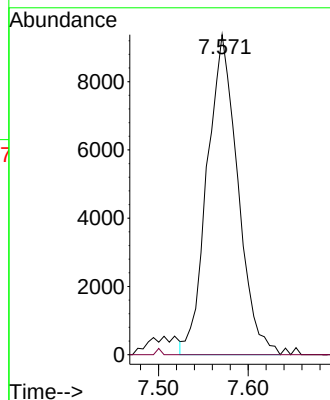
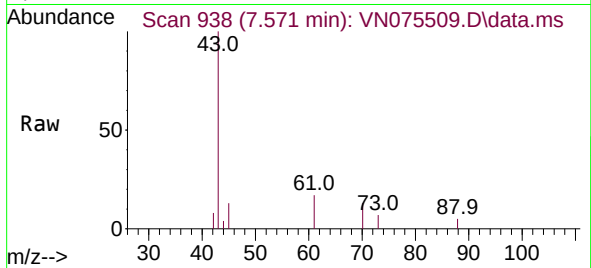




#25
2-Butanone
Concen: 23.846 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.082 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

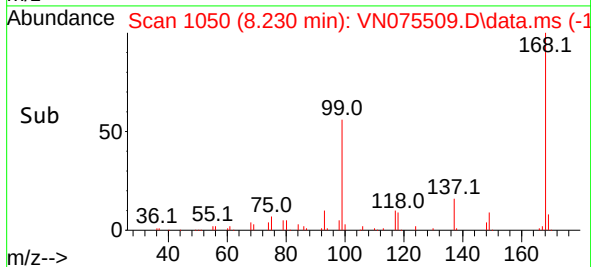
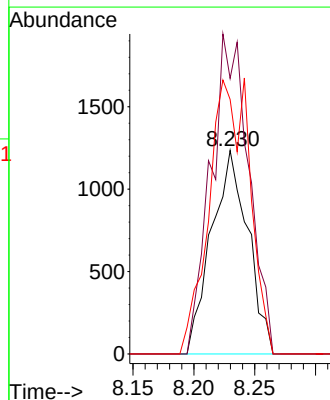
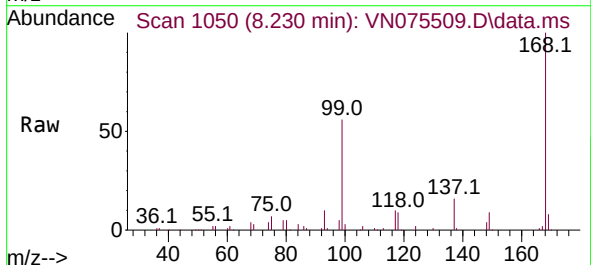
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

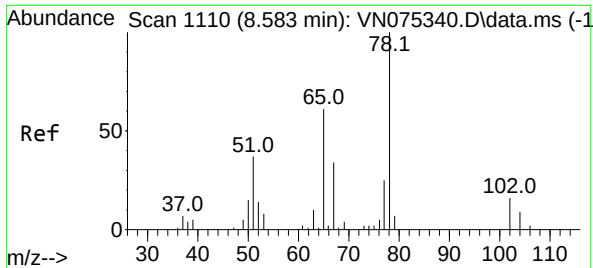
Tgt Ion: 43 Resp: 22248
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 56 Resp: 2577
Ion Ratio Lower Upper
56 100
69 135.4 25.2 37.8#
84 125.1 77.8 116.8#

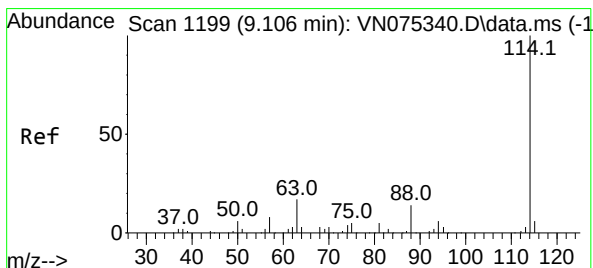
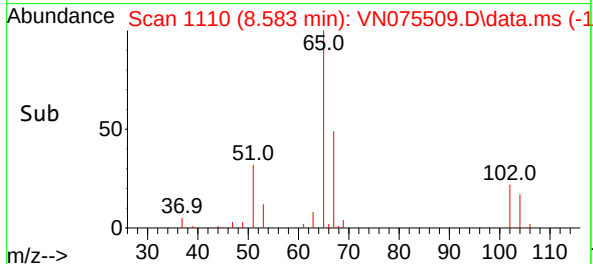
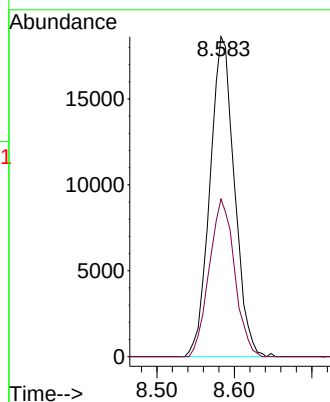
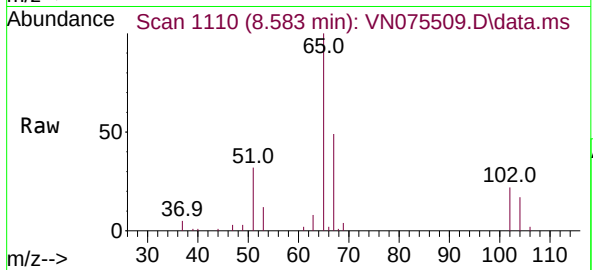




#33
1,2-Dichloroethane-d4
Concen: 57.077 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

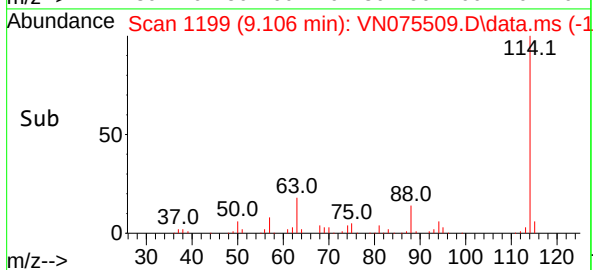
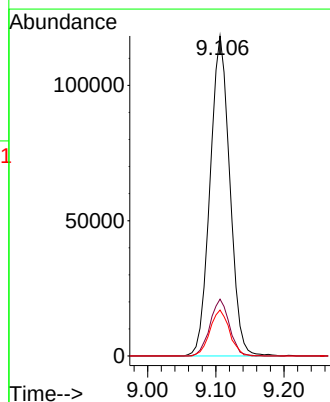
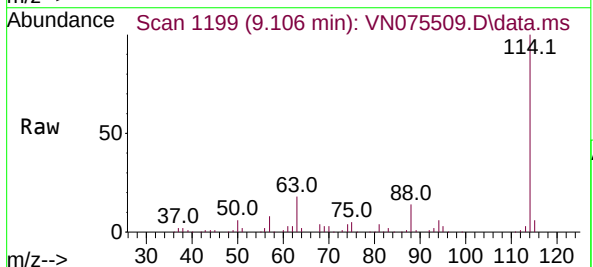
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

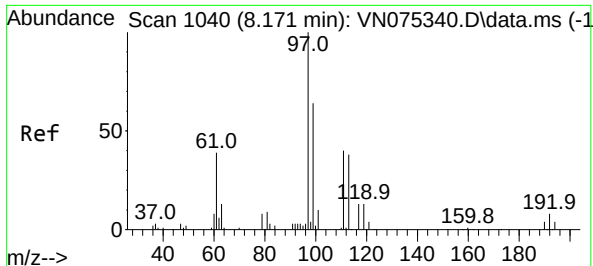
Tgt Ion: 65 Resp: 40893
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 114 Resp: 237881
Ion Ratio Lower Upper
114 100
63 17.8 0.0 39.6
88 14.3 0.0 29.0





#35

Dibromofluoromethane

Concen: 51.159 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075509.D

Acq: 30 Nov 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#13

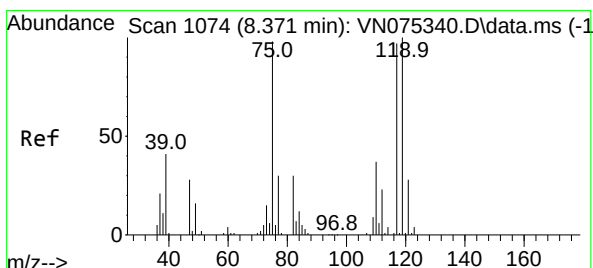
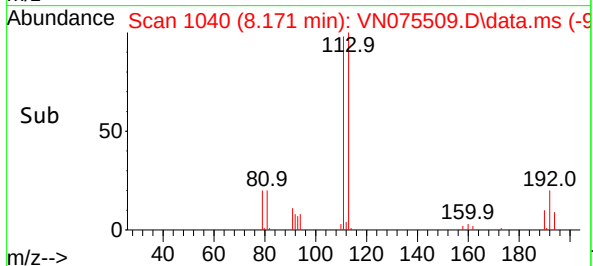
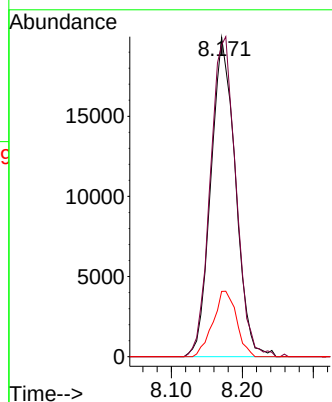
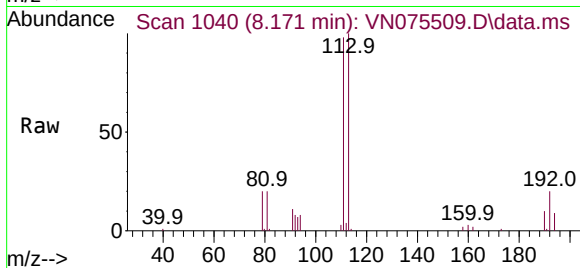
Tgt Ion:113 Resp: 47807

Ion Ratio Lower Upper

113 100

111 104.1 80.5 120.7

192 19.7 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.609 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN075509.D

Acq: 30 Nov 2022 18:16

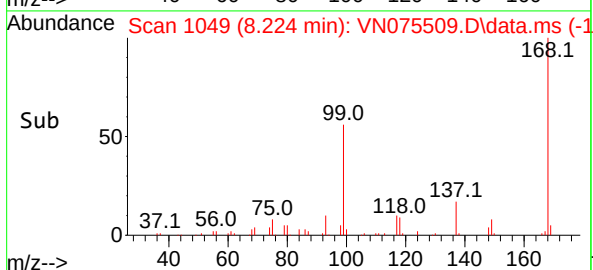
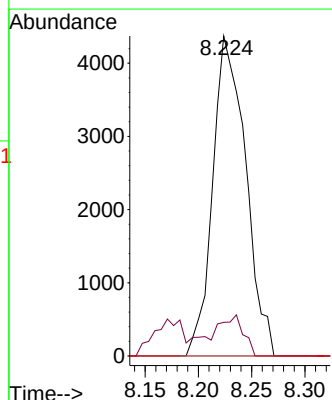
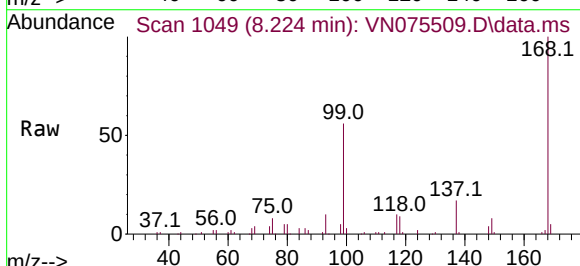
Tgt Ion: 75 Resp: 9392

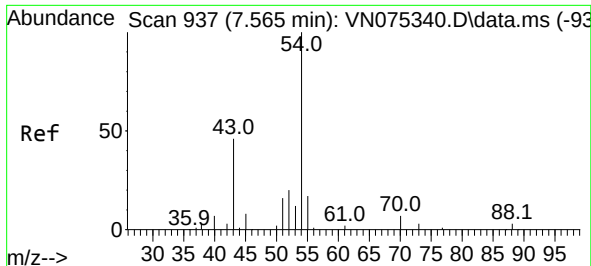
Ion Ratio Lower Upper

75 100

110 9.3 17.8 53.3#

77 0.0 24.6 37.0#

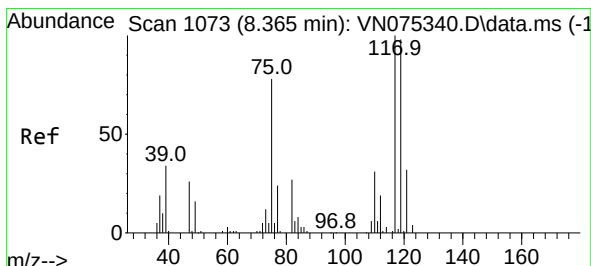
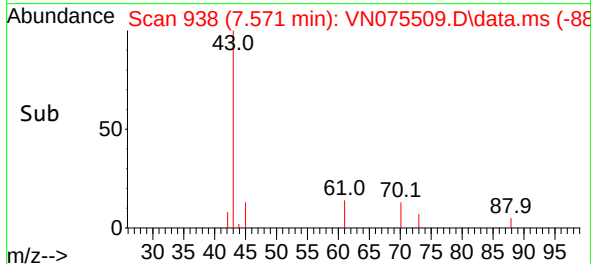
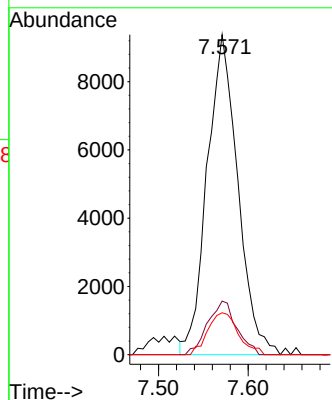
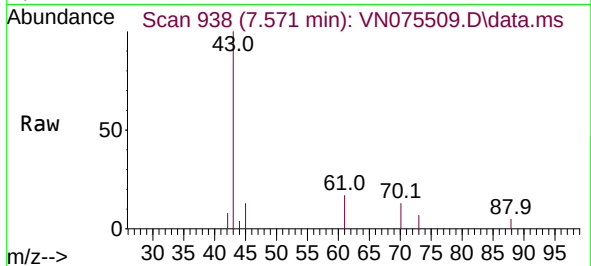




#37
Ethyl Acetate
Concen: 12.125 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

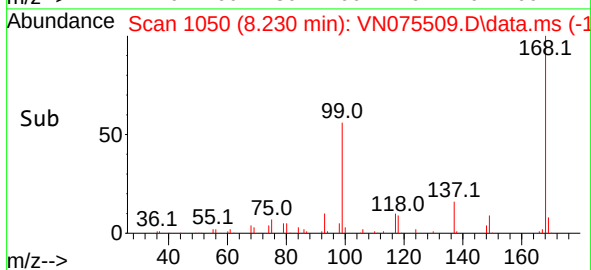
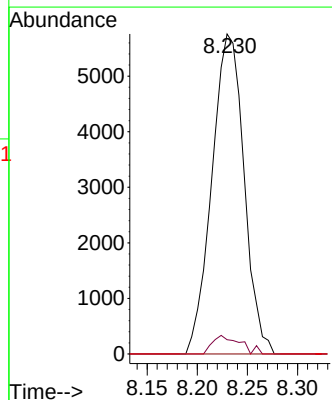
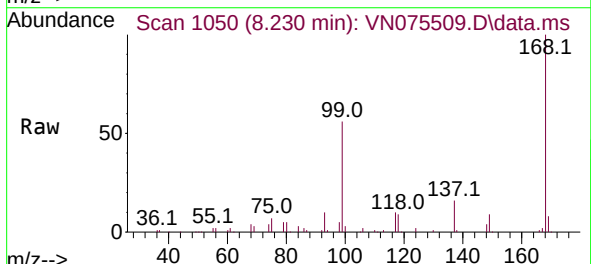
Instrument :
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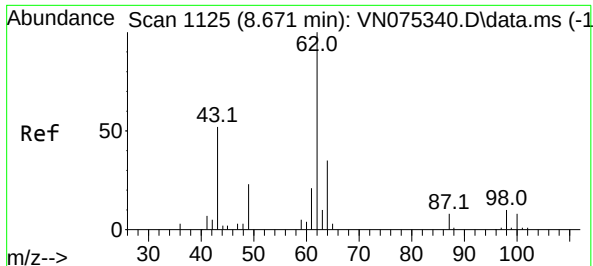
Tgt Ion: 43 Resp: 22248
Ion Ratio Lower Upper
43 100
61 15.8 12.2 18.4
70 13.0 9.4 14.2



#38
Carbon Tetrachloride
Concen: 5.744 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 117 Resp: 12858
Ion Ratio Lower Upper
117 100
119 4.4 76.7 115.1#
121 0.0 23.9 35.9#





#42

1,2-Dichloroethane

Concen: 0.465 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.023 min

Lab File: VN075509.D

Acq: 30 Nov 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

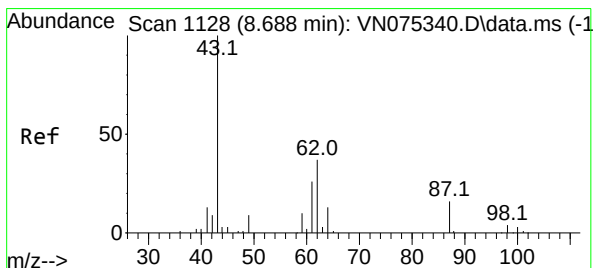
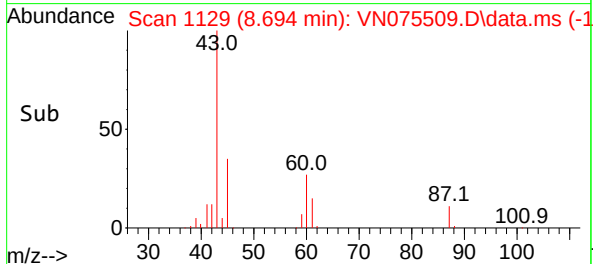
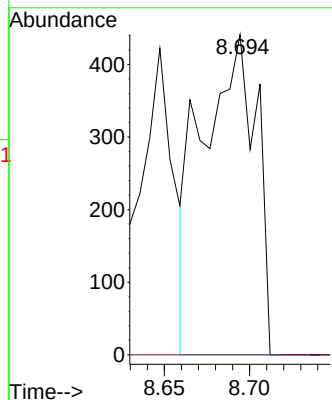
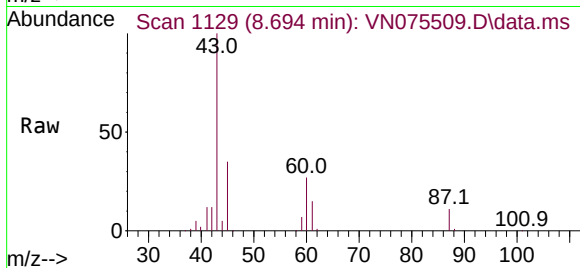
PB149341ZHE#13

Tgt Ion: 62 Resp: 972

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 80.344 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN075509.D

Acq: 30 Nov 2022 18:16

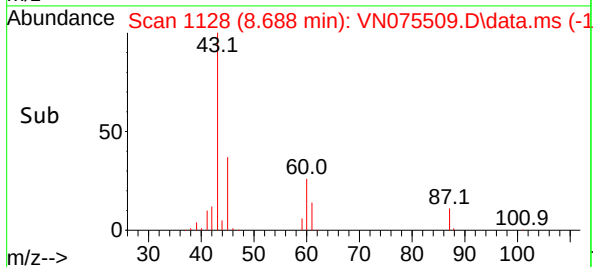
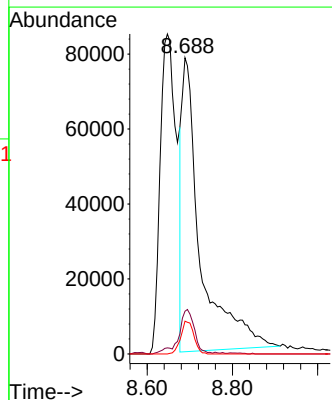
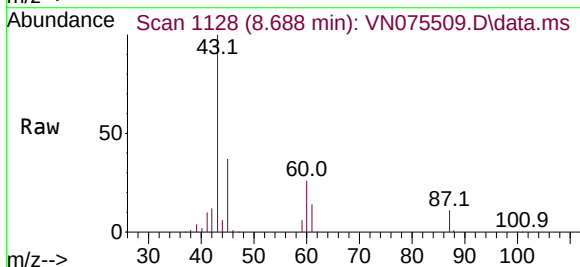
Tgt Ion: 43 Resp: 236641

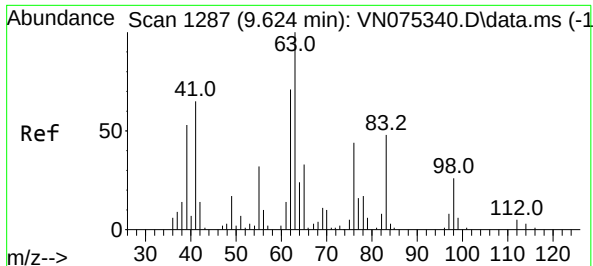
Ion Ratio Lower Upper

43 100

61 12.8 22.4 33.6#

87 7.9 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 1.015 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075509.D

Acq: 30 Nov 2022 18:16

Instrument :

MSVOA_N

ClientSampleId :

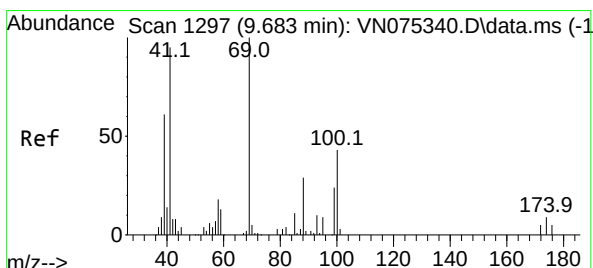
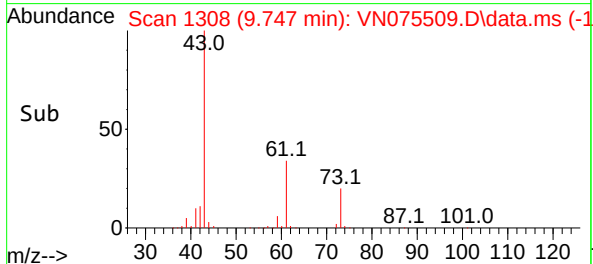
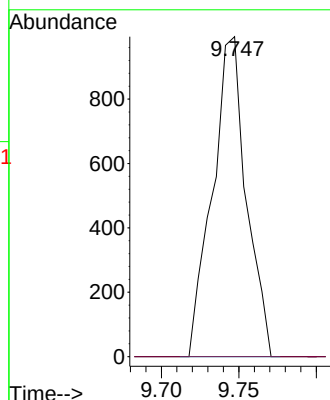
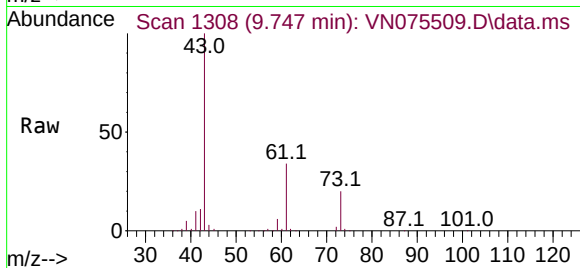
PB149341ZHE#13

Tgt Ion: 63 Resp: 1509

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 2.094 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.018 min

Lab File: VN075509.D

Acq: 30 Nov 2022 18:16

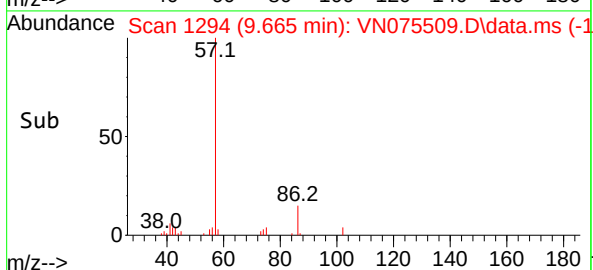
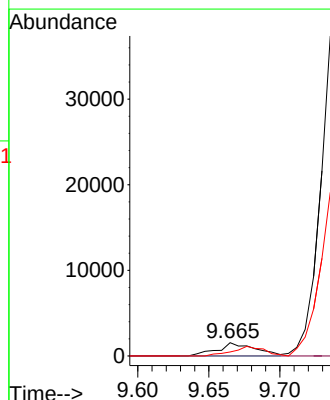
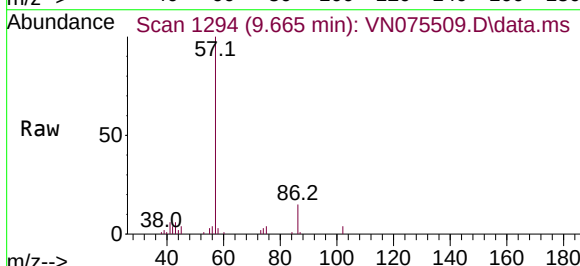
Tgt Ion: 41 Resp: 2852

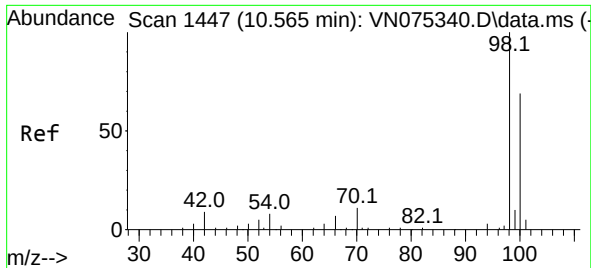
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 61.0 56.2 84.2

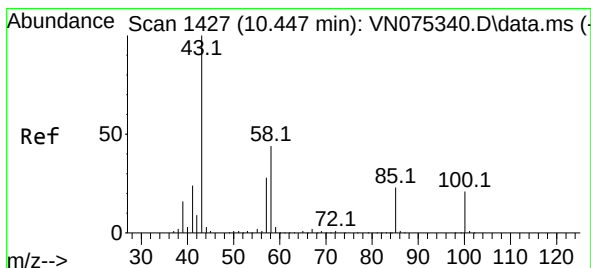
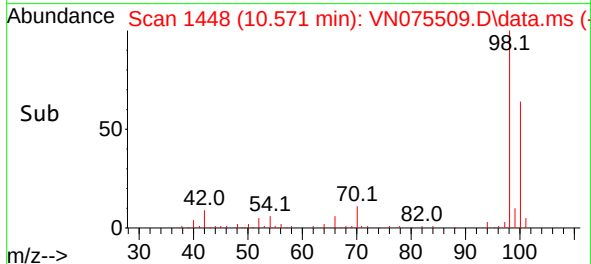
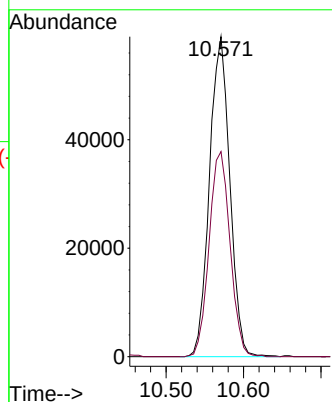
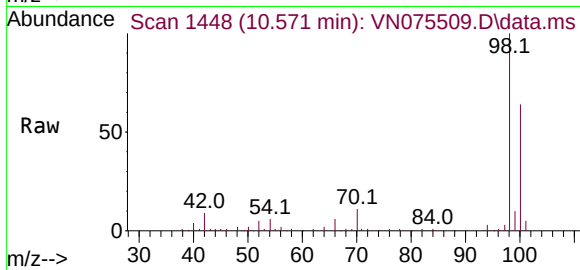




#50
Toluene-d8
Concen: 51.171 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

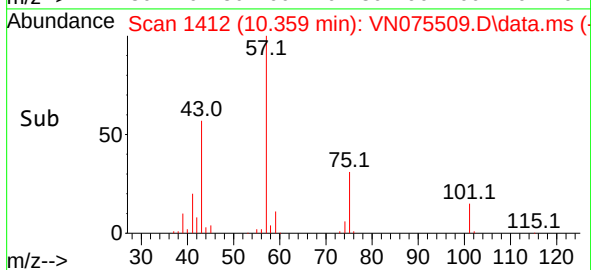
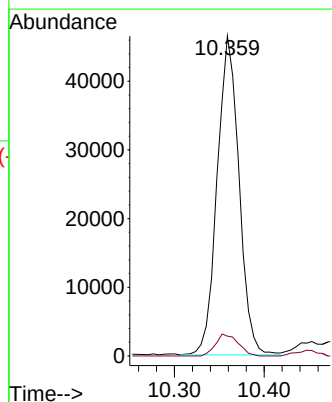
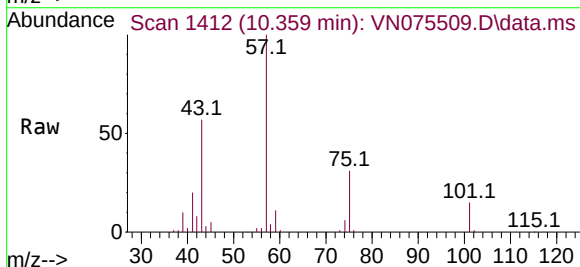
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

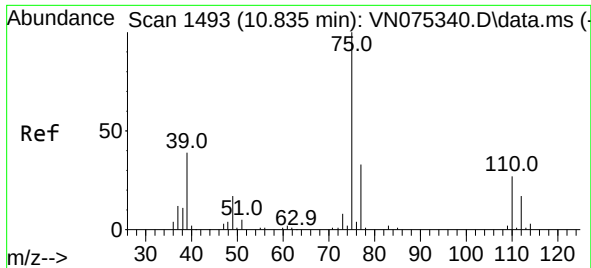
Tgt Ion: 98 Resp: 107700
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 41.878 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 43 Resp: 78560
Ion Ratio Lower Upper
43 100
58 7.1 33.6 50.4#

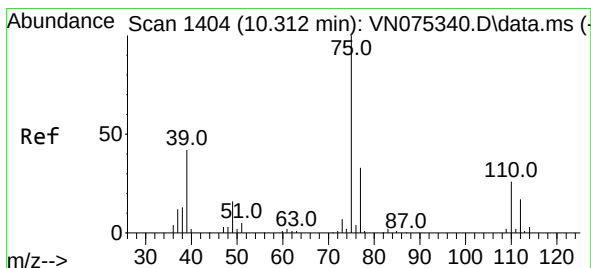
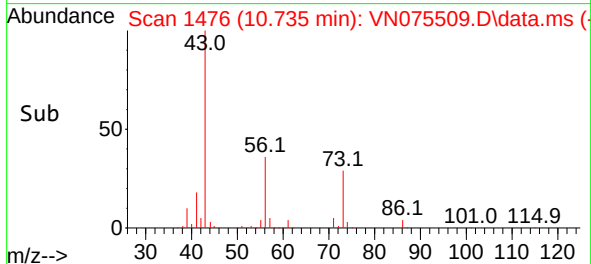
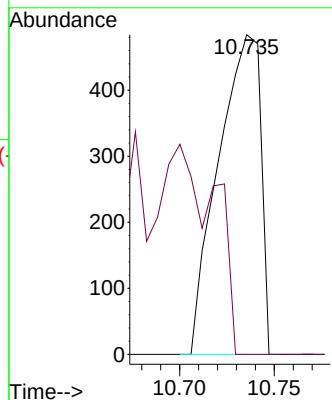
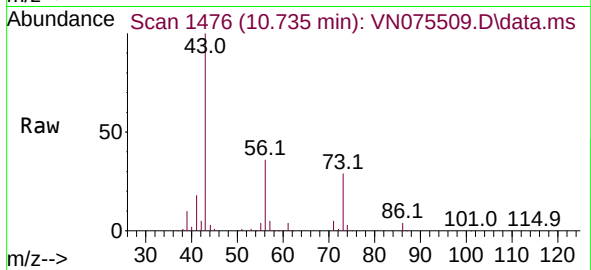




#53
 t-1,3-Dichloropropene
 Concen: 0.344 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.100 min
 Lab File: VN075509.D
 Acq: 30 Nov 2022 18:16

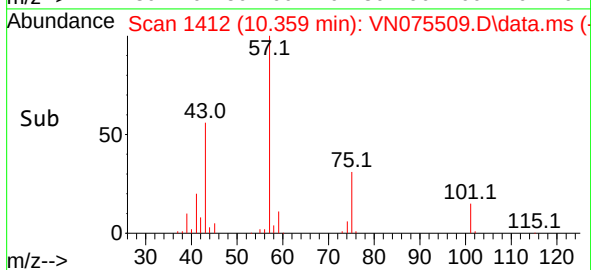
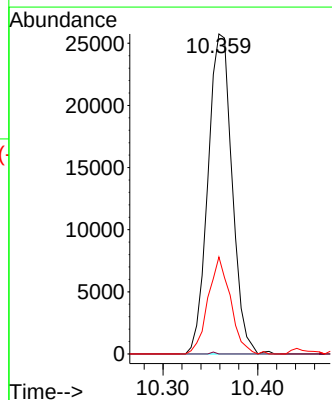
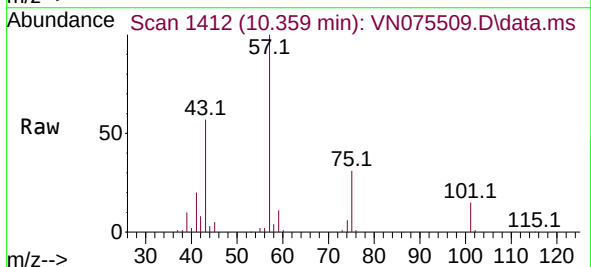
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#13

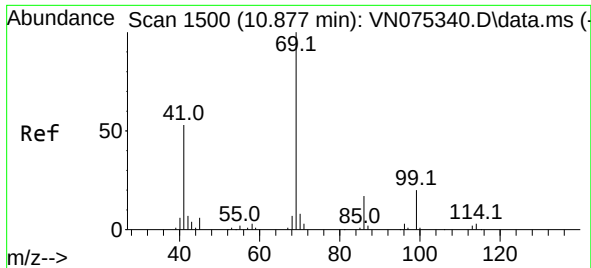
Tgt Ion: 75 Resp: 752
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 19.149 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075509.D
 Acq: 30 Nov 2022 18:16

Tgt Ion: 75 Resp: 45474
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 30.3 35.8 53.6#

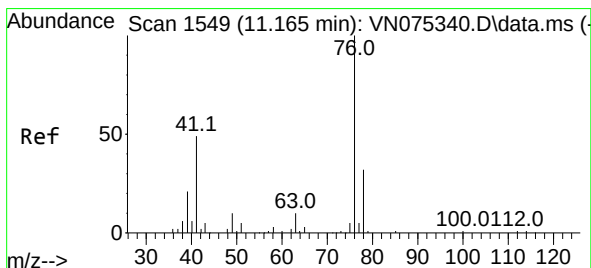
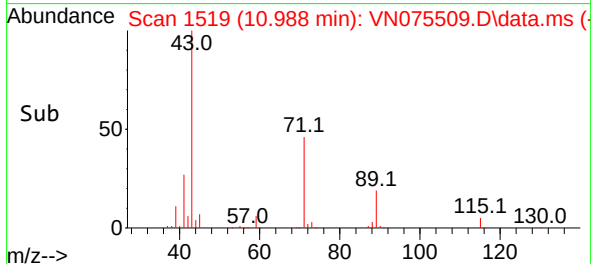
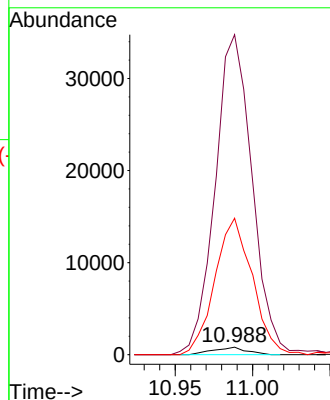
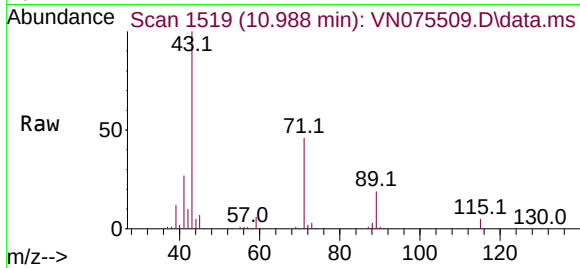




#56
Ethyl methacrylate
Concen: 0.554 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

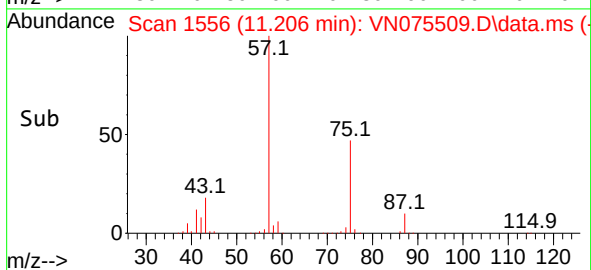
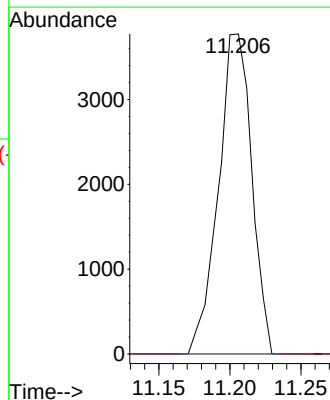
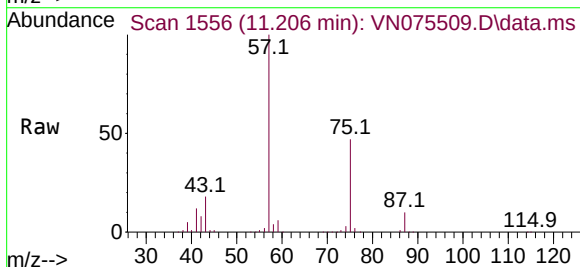
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

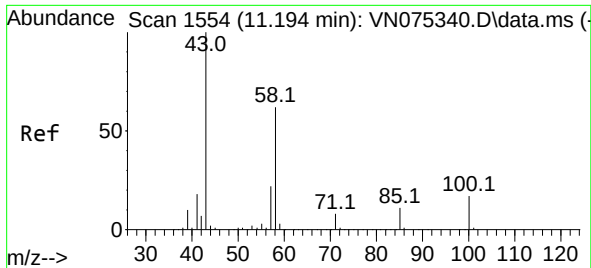
Tgt Ion: 69 Resp: 1225
Ion Ratio Lower Upper
69 100
41 4738.6 45.6 68.4#
39 2034.9 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.303 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 76 Resp: 6150
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

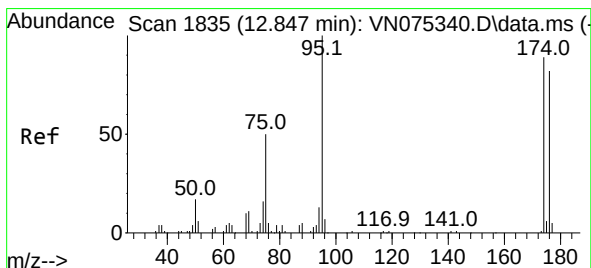
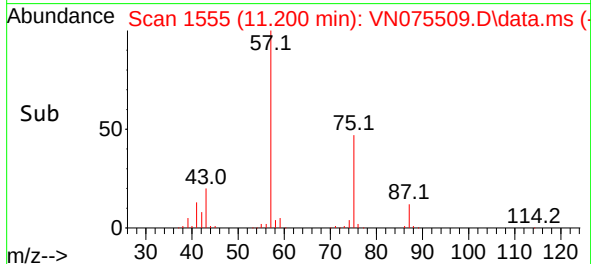
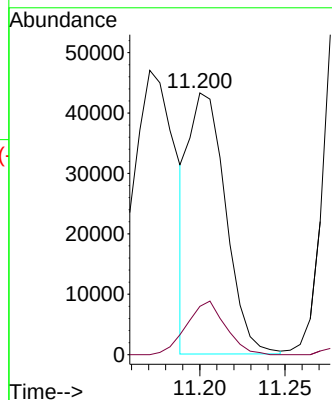
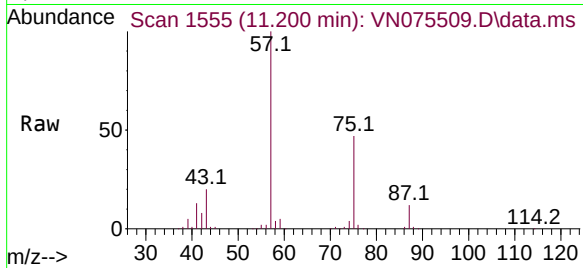




#59
2-Hexanone
Concen: 46.410 ug/l
RT: 11.200 min Scan# 1554
Delta R.T. 0.006 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

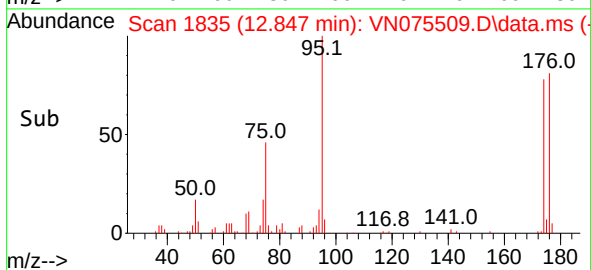
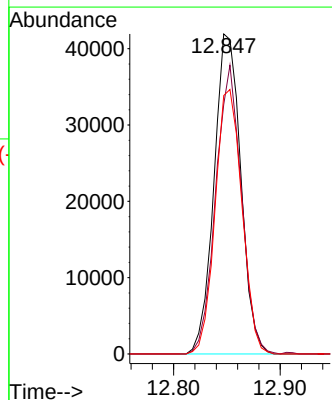
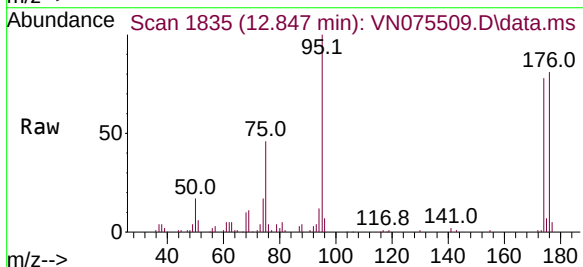
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

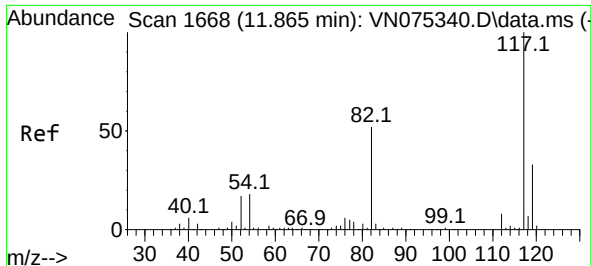
Tgt Ion: 43 Resp: 65376
Ion Ratio Lower Upper
43 100
58 21.5 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.089 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 95 Resp: 73153
Ion Ratio Lower Upper
95 100
174 86.5 0.0 147.4
176 82.6 0.0 142.2

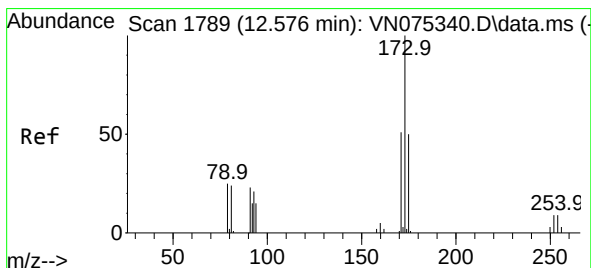
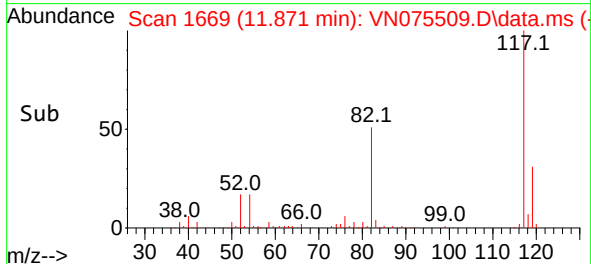
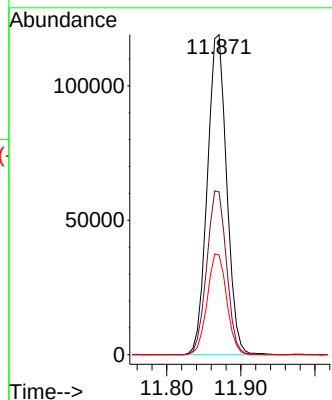
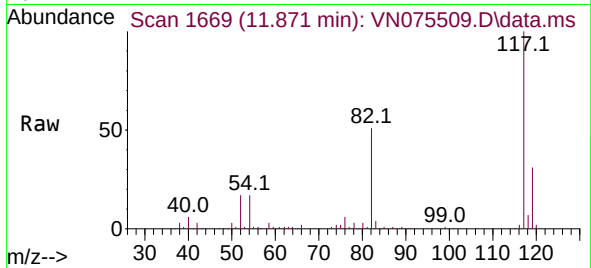




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

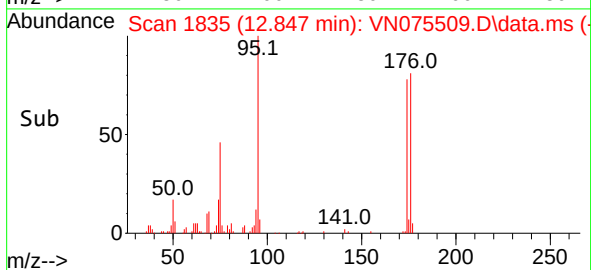
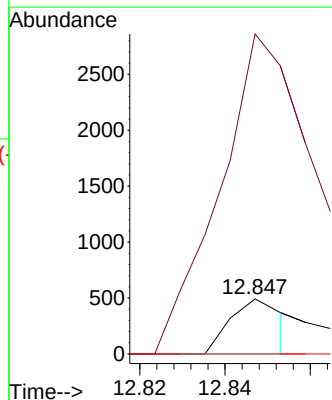
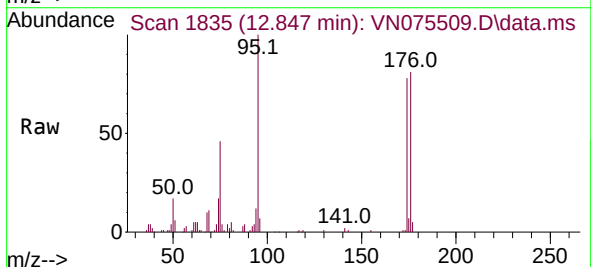
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

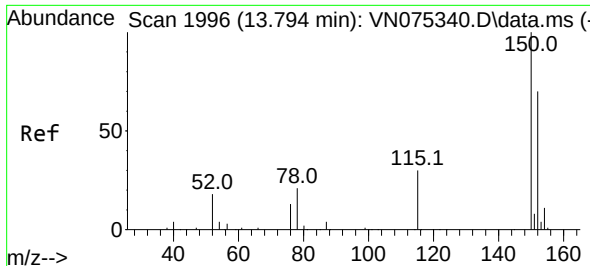
Tgt Ion:117 Resp: 215577
Ion Ratio Lower Upper
117 100
82 50.9 43.1 64.7
119 31.2 25.5 38.3



#71
Bromoform
Concen: 0.330 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.271 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion:173 Resp: 417
Ion Ratio Lower Upper
173 100
175 744.1 24.6 74.0#
254 0.0 0.0 0.0

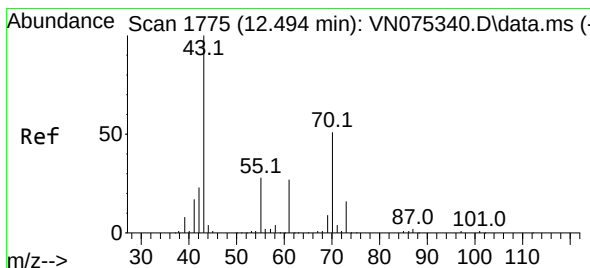
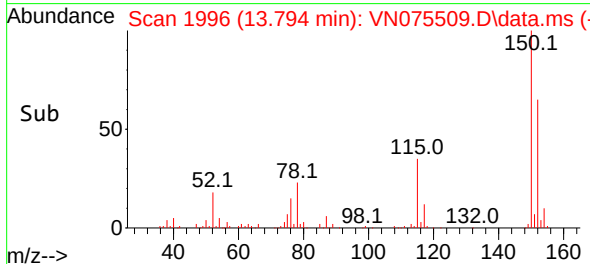
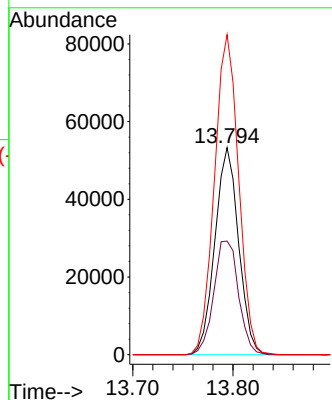
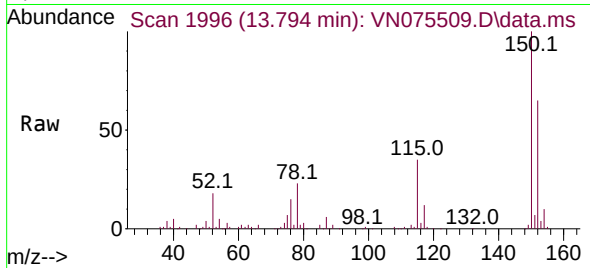




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075509.D
 Acq: 30 Nov 2022 18:16

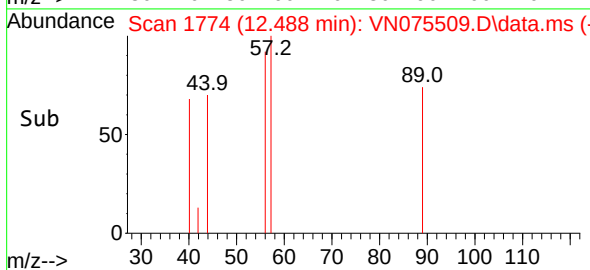
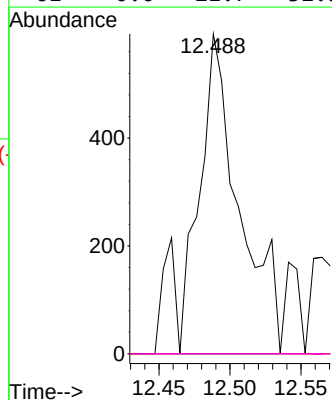
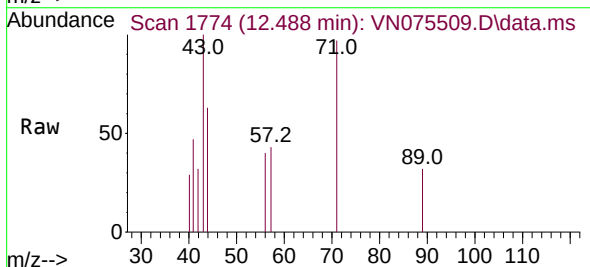
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#13

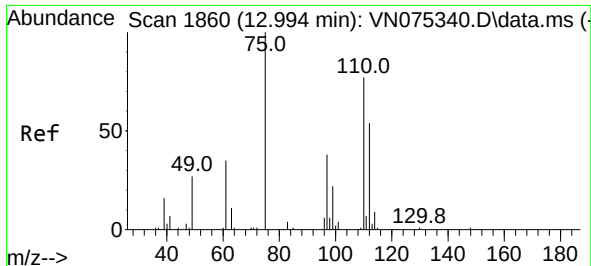
Tgt Ion:152 Resp: 87481
 Ion Ratio Lower Upper
 152 100
 115 57.4 30.2 90.6
 150 157.5 0.0 348.4



#74
 N-ethyl acetate
 Concen: 0.587 ug/l
 RT: 12.488 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: VN075509.D
 Acq: 30 Nov 2022 18:16

Tgt Ion: 43 Resp: 1153
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.8 59.8#
 55 0.0 19.9 29.9#
 61 0.0 21.7 32.5#

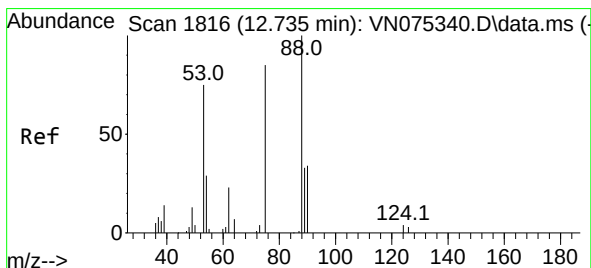
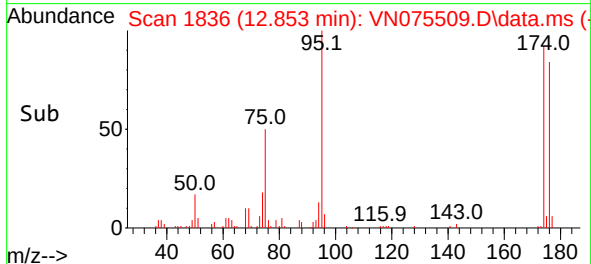
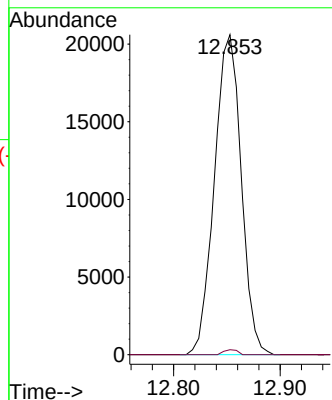
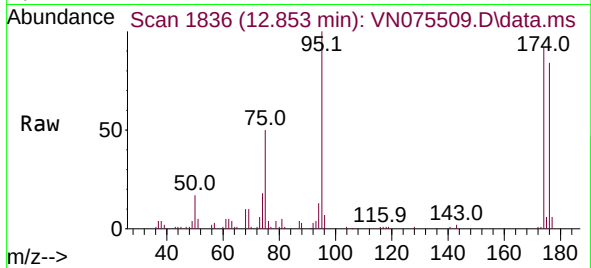




#76
1,2,3-Trichloropropane
Concen: 21.755 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#13

Tgt Ion: 75 Resp: 35984
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.369 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075509.D
Acq: 30 Nov 2022 18:16

Tgt Ion: 75 Resp: 35984
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

