

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075499.D
 Acq On : 30 Nov 2022 14:16
 Operator : JC\MD
 Sample : PB149341ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#03

Quant Time: Dec 01 02:15:37 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)

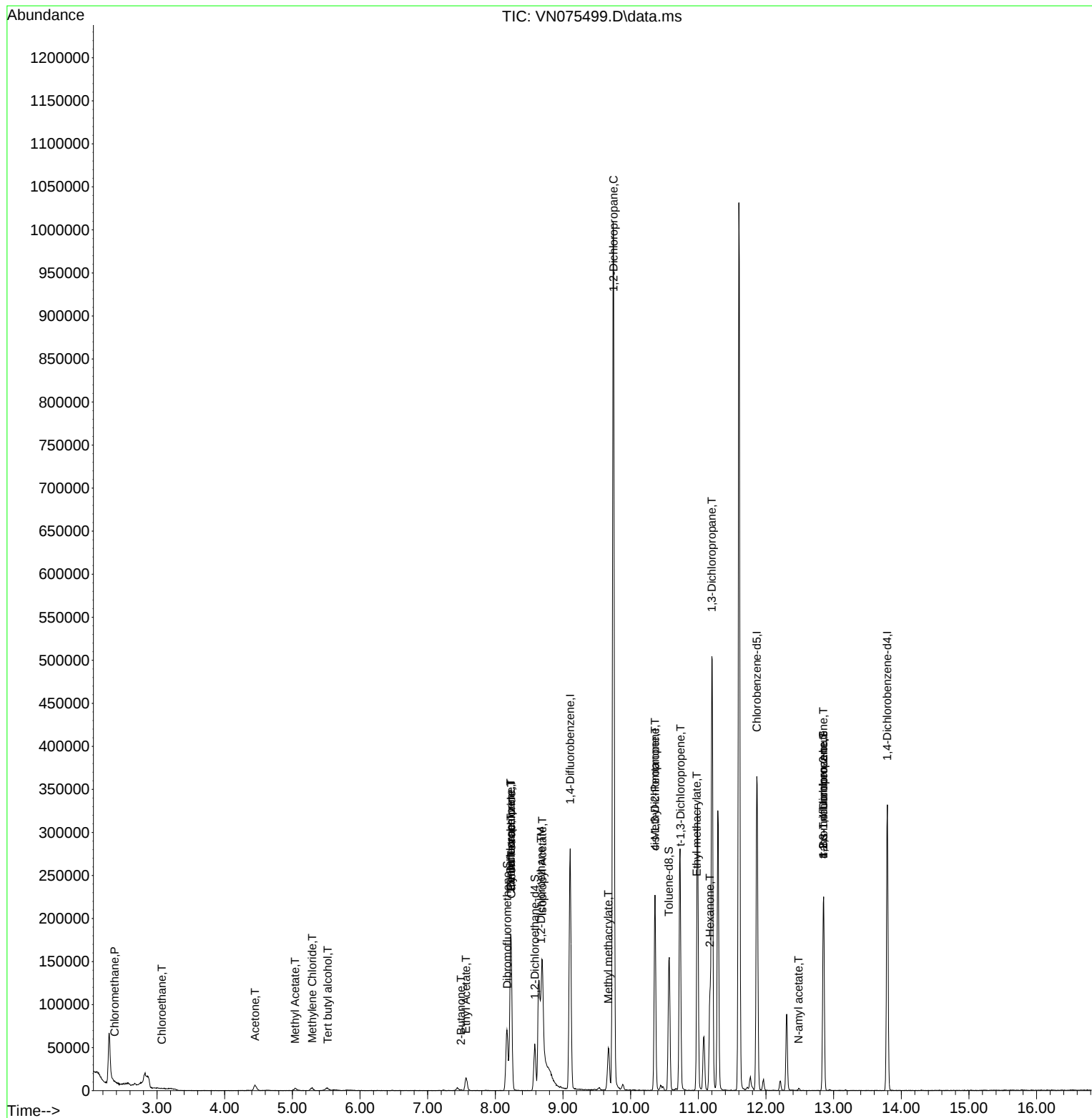
Internal Standards						
1) Pentafluorobenzene	8.229	168	141012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	228162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93792	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	41468	54.784	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.560%	
35) Dibromofluoromethane	8.177	113	50566	50.892	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.780%	
50) Toluene-d8	10.565	98	113275	50.617	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.847	95	78414	47.472	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	276	0.206	ug/l #	42
6) Chloroethane	3.071	64	325	0.254	ug/l #	45
11) Tert butyl alcohol	5.524	59	1408	4.431	ug/l #	72
16) Acetone	4.447	43	12153	17.213	ug/l #	80
18) Methyl Acetate	5.041	43	5149	1.640	ug/l	95
20) Methylene Chloride	5.294	84	2665	0.598	ug/l #	74
25) 2-Butanone	7.494	43	1033	1.048	ug/l #	55
31) Cyclohexane	8.229	56	2761	1.148	ug/l #	32
36) 1,1-Dichloropropene	8.224	75	10293	4.750	ug/l #	50
37) Ethyl Acetate	7.565	43	21377	10.957	ug/l	99
38) Carbon Tetrachloride	8.235	117	14379	6.041	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	1132	0.509	ug/l #	75
43) Isopropyl Acetate	8.694	43	225270	71.932	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1296	0.820	ug/l #	42
48) Methyl methacrylate	9.671	41	2780	1.920	ug/l #	33
51) 4-Methyl-2-Pentanone	10.359	43	77114	38.661	ug/l #	44
53) t-1,3-Dichloropropene	10.735	75	763	0.328	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	44700	17.703	ug/l #	60
56) Ethyl methacrylate	10.976	69	1285	0.546	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5555	1.957	ug/l #	42
59) 2-Hexanone	11.170	43	85550	57.118	ug/l #	21
74) N-amyl acetate	12.482	43	1002	0.476	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	39055	22.023	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	39055	65.162	ug/l #	10

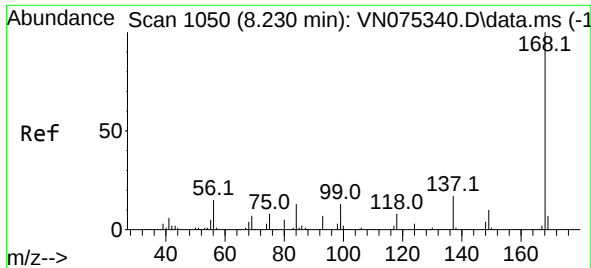
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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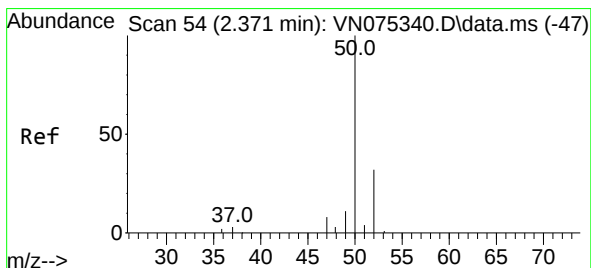
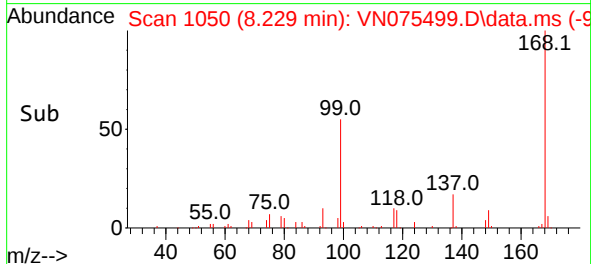
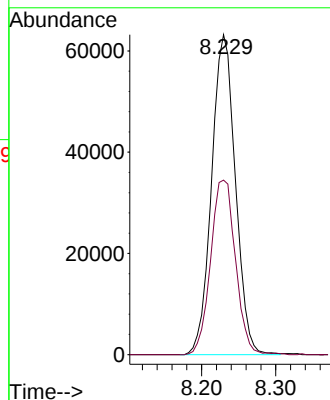
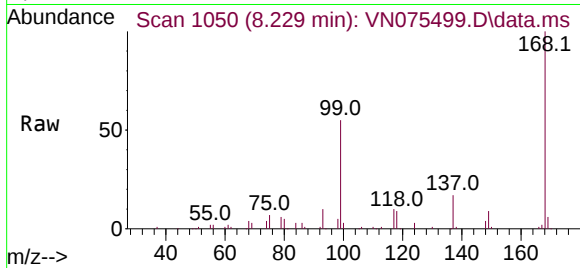




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

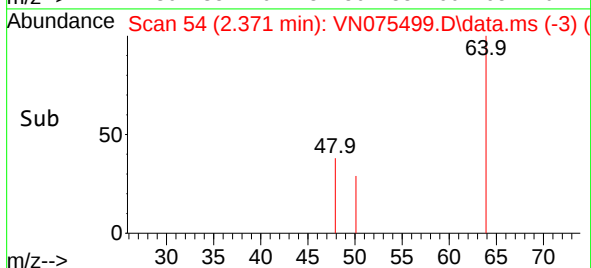
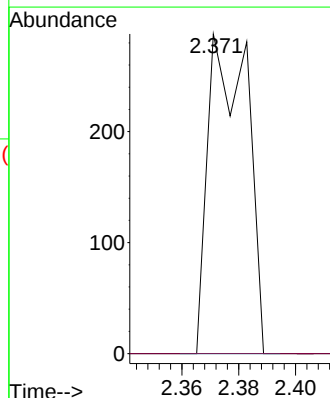
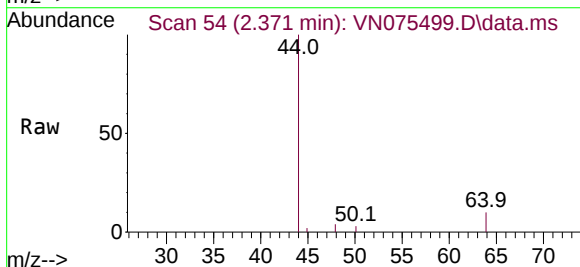
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

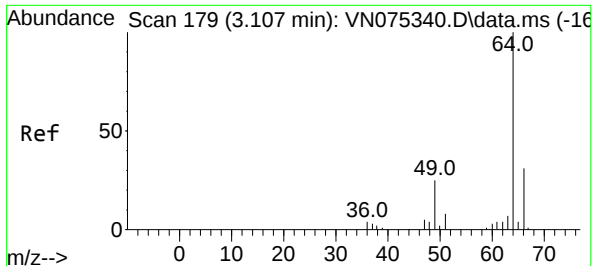
Tgt Ion:168 Resp: 141012
Ion Ratio Lower Upper
168 100
99 54.5 51.6 77.4



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 50 Resp: 276
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

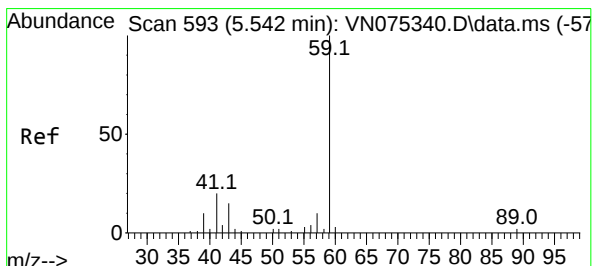
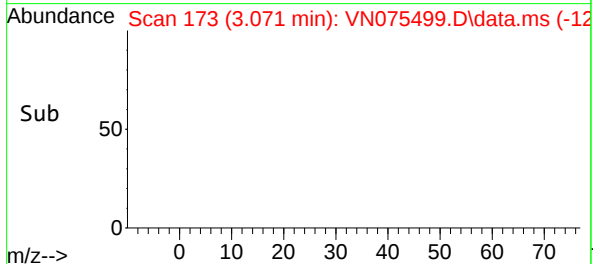
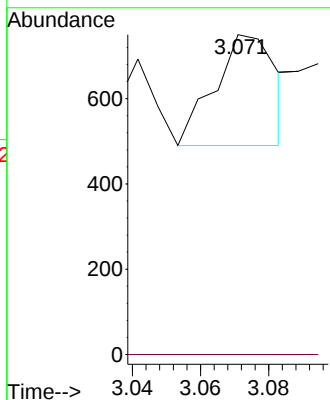
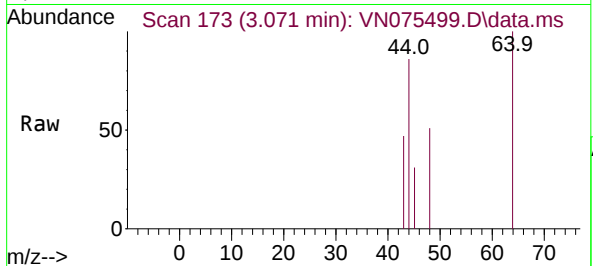




#6
Chloroethane
Concen: 0.254 ug/l
RT: 3.071 min Scan# 11
Delta R.T. -0.036 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

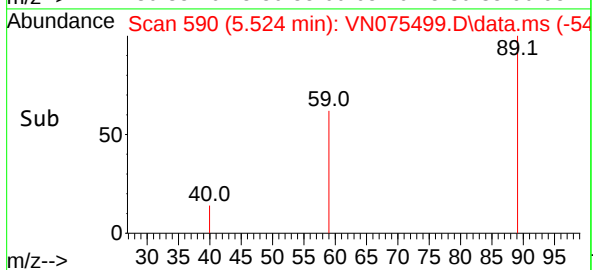
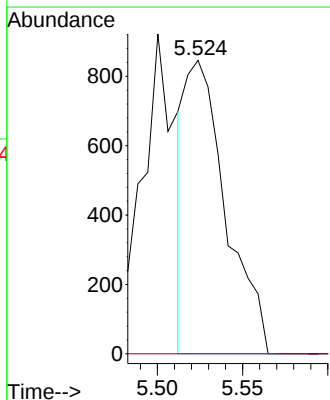
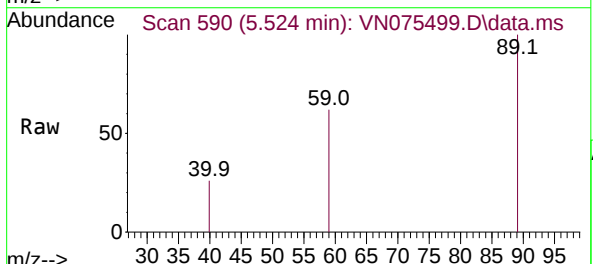
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

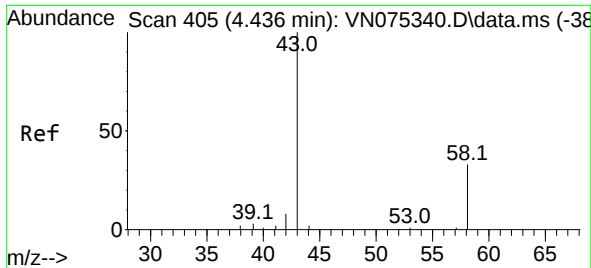
Tgt Ion: 64 Resp: 325
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 4.431 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.018 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 59 Resp: 1408
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

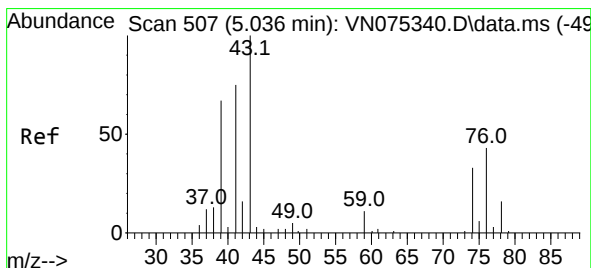
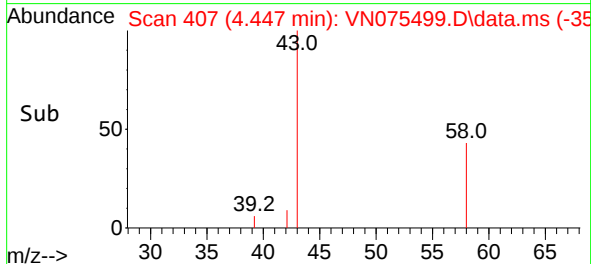
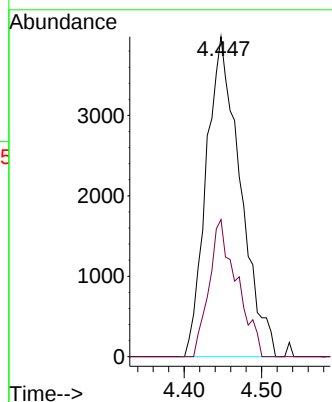
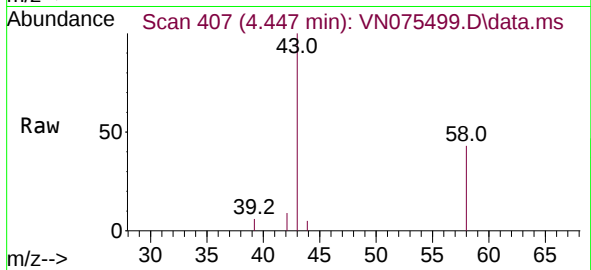




#16
Acetone
Concen: 17.213 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

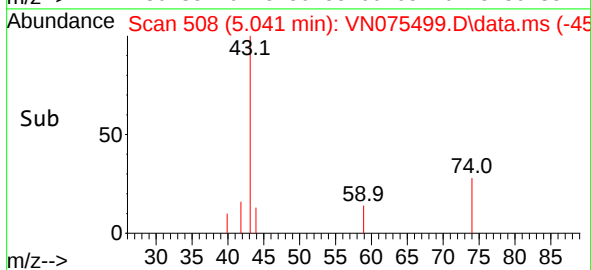
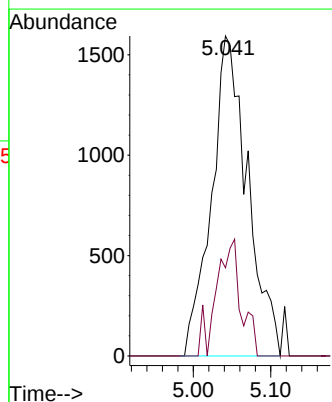
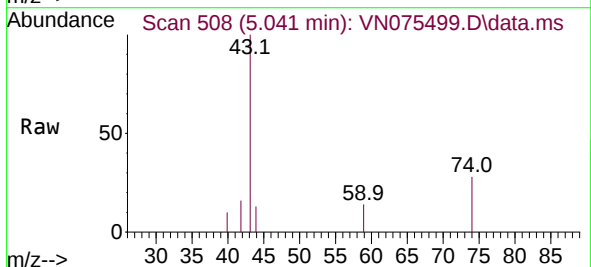
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

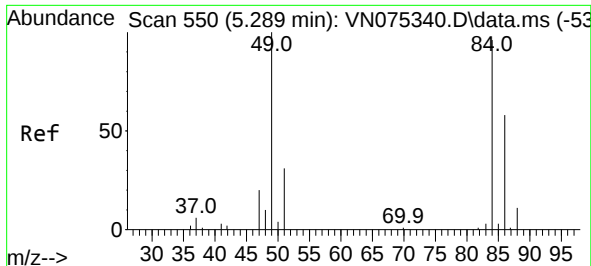
Tgt Ion: 43 Resp: 12153
Ion Ratio Lower Upper
43 100
58 42.8 25.5 38.3#



#18
Methyl Acetate
Concen: 1.640 ug/l
RT: 5.041 min Scan# 508
Delta R.T. 0.005 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 43 Resp: 5149
Ion Ratio Lower Upper
43 100
74 24.9 22.0 33.0

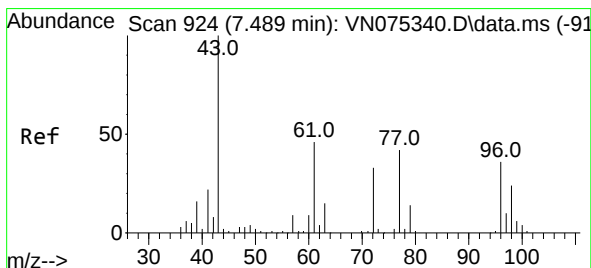
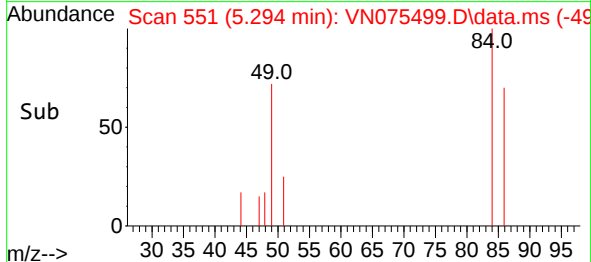
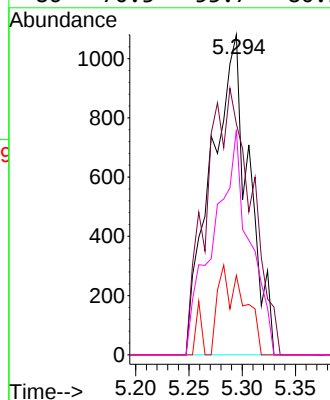
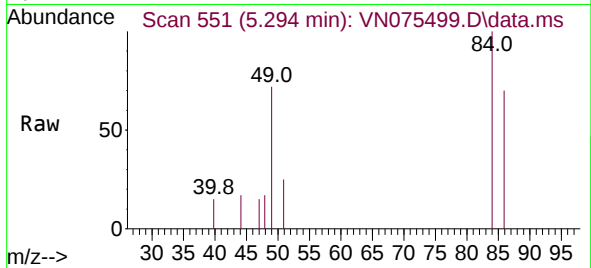




#20
Methylene Chloride
Concen: 0.598 ug/l
RT: 5.294 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

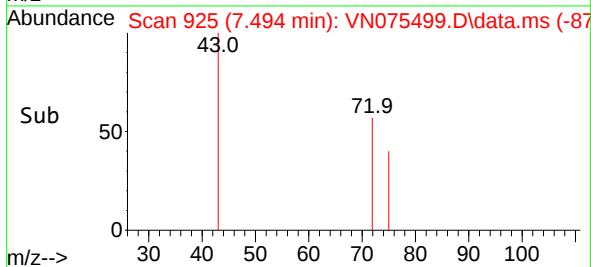
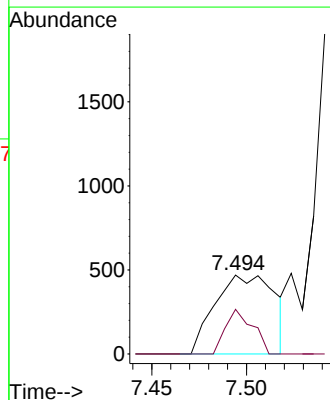
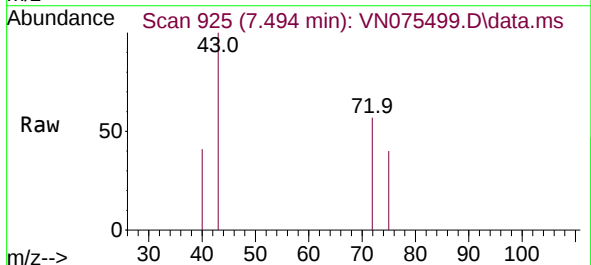
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

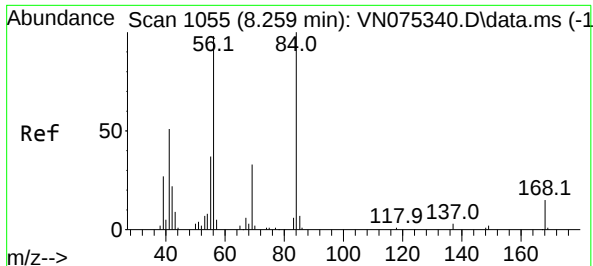
Tgt Ion: 84	Resp: 2665
Ion Ratio	Lower Upper
84 100	
49 72.2	94.9 142.3#
51 24.8	26.8 40.2#
86 70.3	53.7 80.5



#25
2-Butanone
Concen: 1.048 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

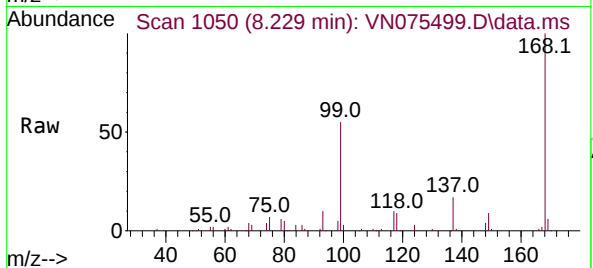
Tgt Ion: 43	Resp: 1033
Ion Ratio	Lower Upper
43 100	
72 56.7	25.5 38.3#



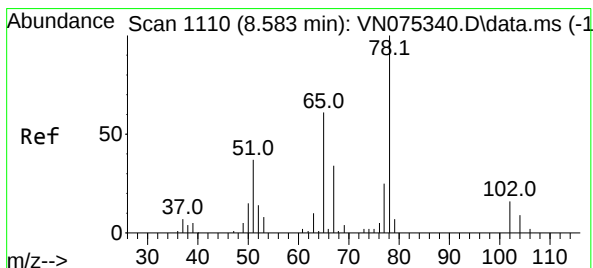
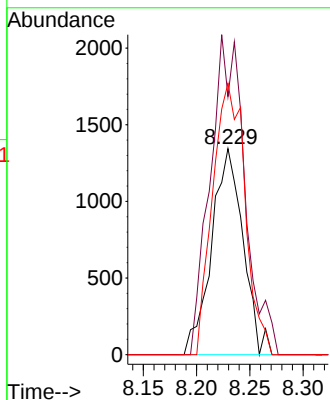
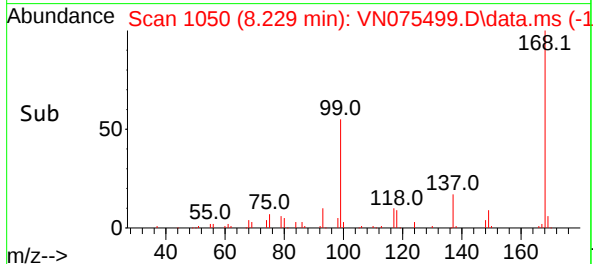


#31
Cyclohexane
Concen: 1.148 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.030 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

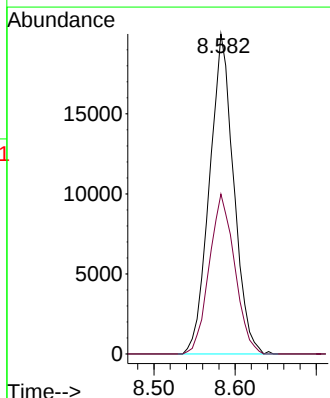
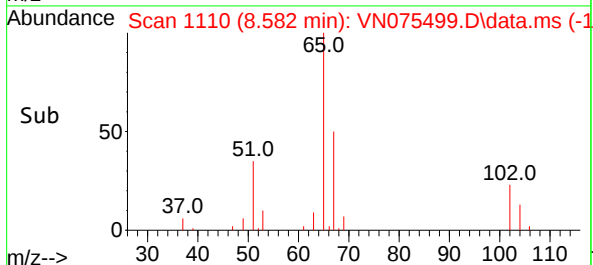
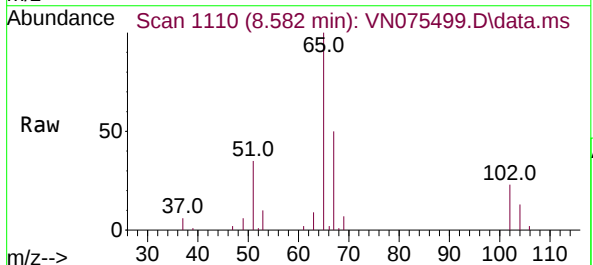


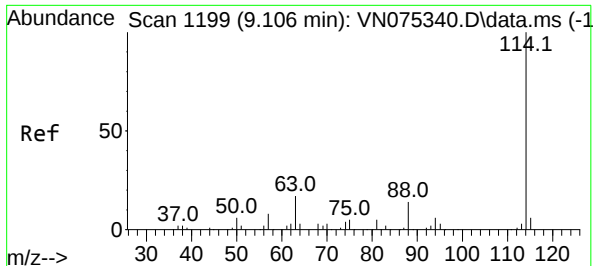
Tgt Ion: 56 Resp: 2761
Ion Ratio Lower Upper
56 100
69 125.2 25.2 37.8#
84 131.7 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 54.784 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 65 Resp: 41468
Ion Ratio Lower Upper
65 100
67 52.4 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: VN075499.D

Acq: 30 Nov 2022 14:16

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#03

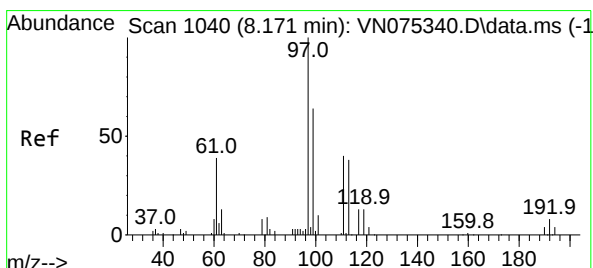
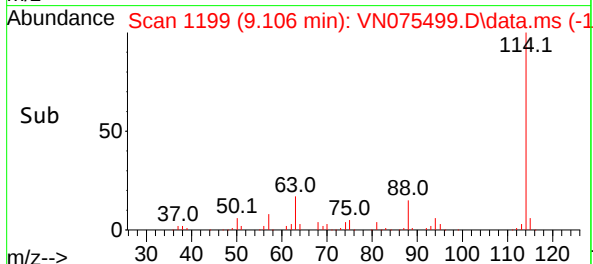
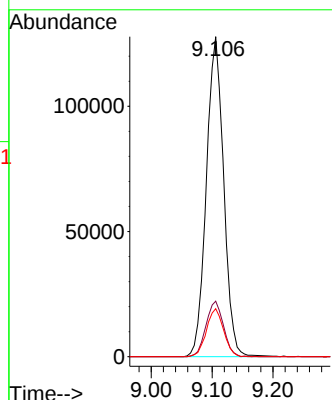
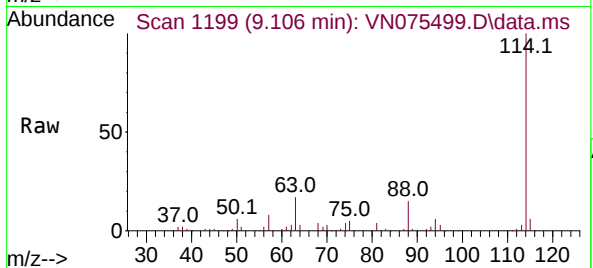
Tgt Ion:114 Resp: 252932

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 15.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.892 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075499.D

Acq: 30 Nov 2022 14:16

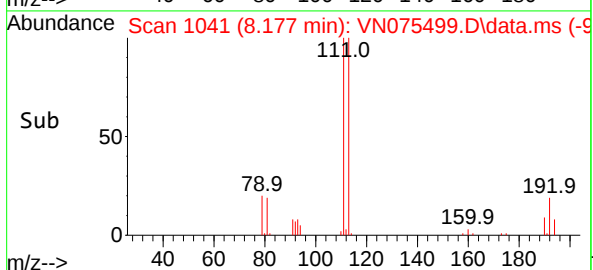
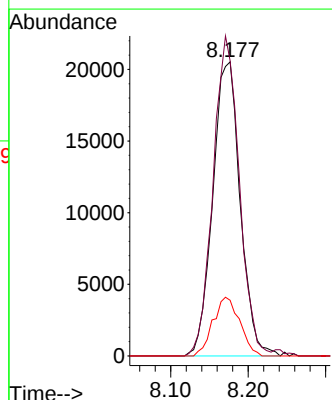
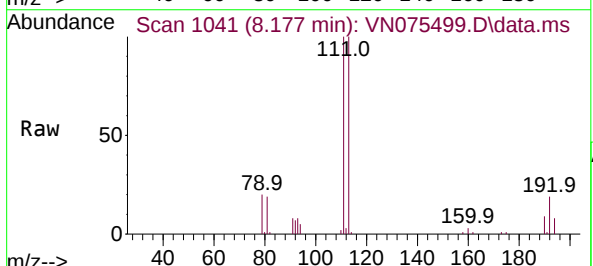
Tgt Ion:113 Resp: 50566

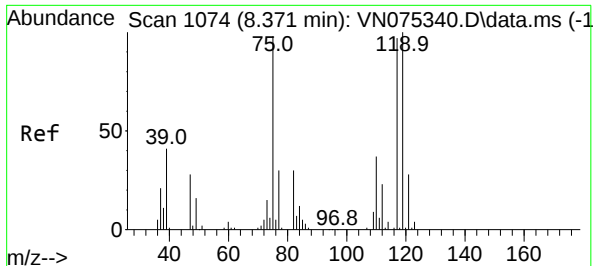
Ion Ratio Lower Upper

113 100

111 103.8 80.5 120.7

192 19.5 13.2 19.8

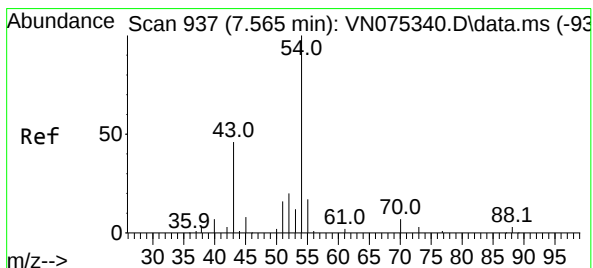
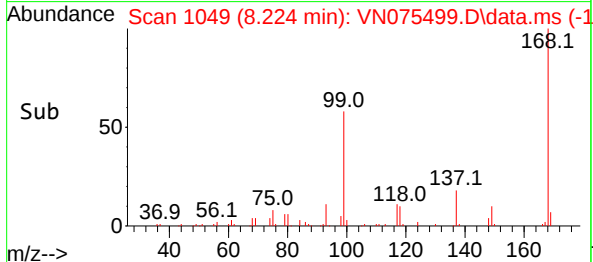
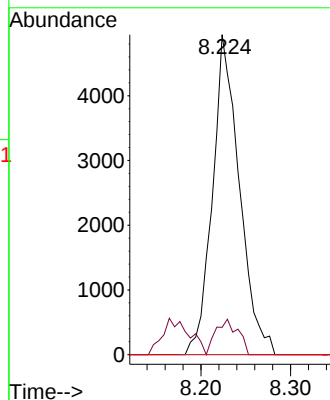
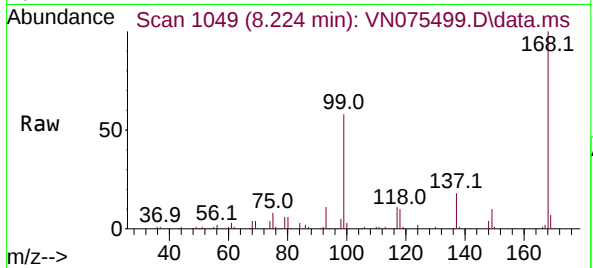




#36
1,1-Dichloropropene
Concen: 4.750 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

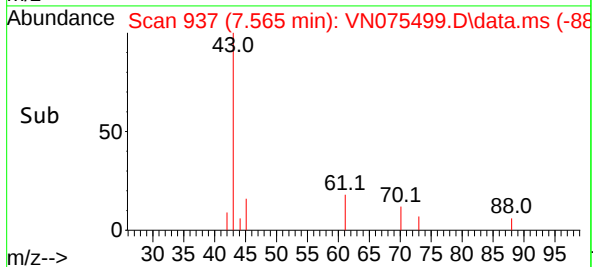
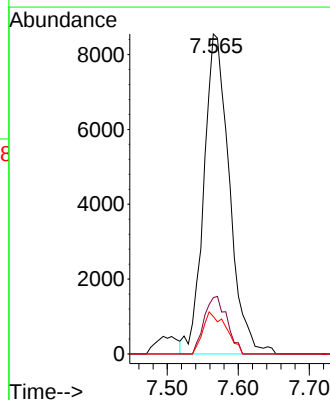
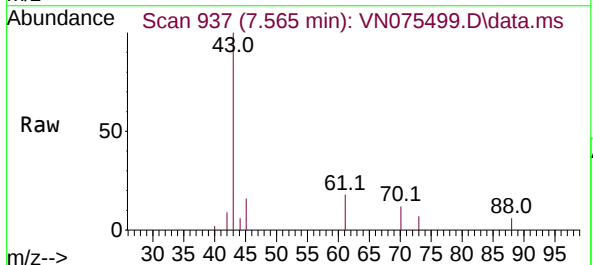
Instrument :
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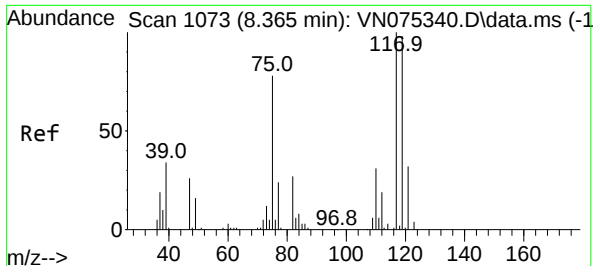
Tgt Ion: 75 Resp: 10293
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 10.957 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.000 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

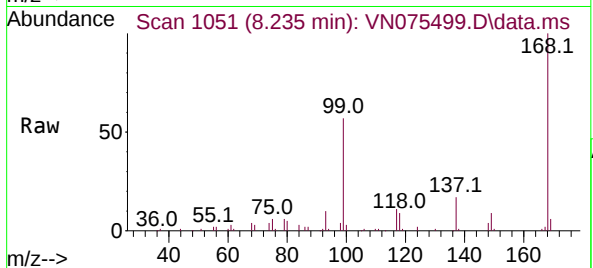
Tgt Ion: 43 Resp: 21377
Ion Ratio Lower Upper
43 100
61 16.1 12.2 18.4
70 11.9 9.4 14.2



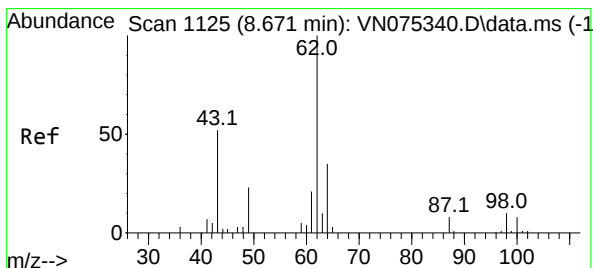
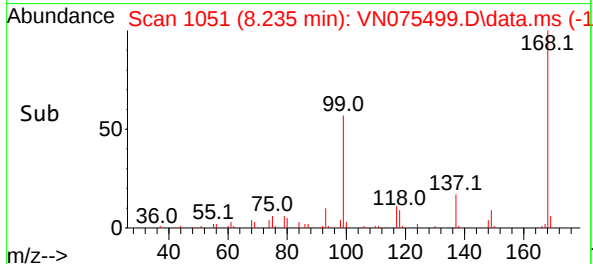
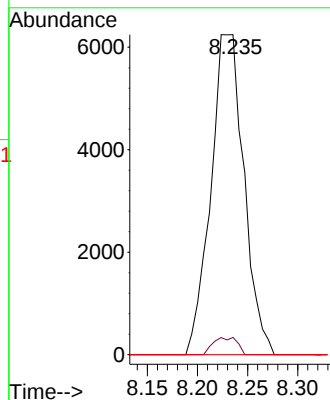


#38
Carbon Tetrachloride
Concen: 6.041 ug/l
RT: 8.235 min Scan# 1073
Delta R.T. -0.130 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

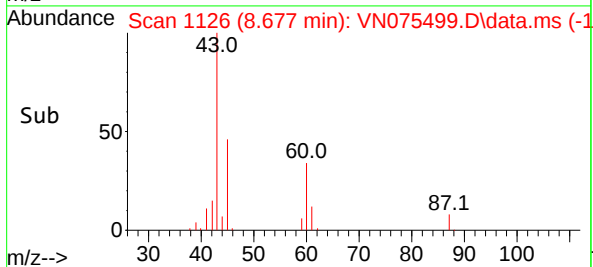
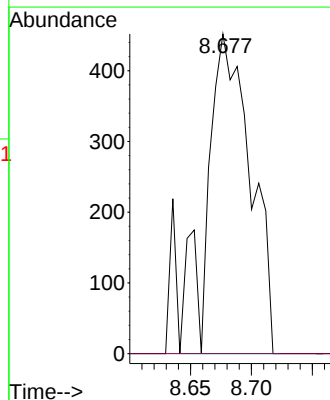
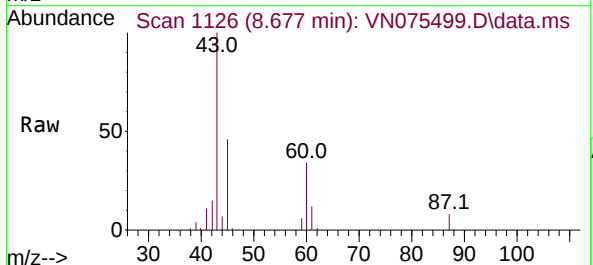


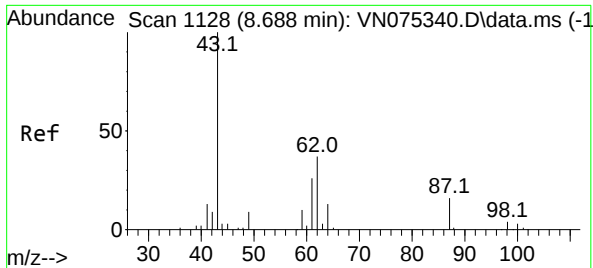
Tgt Ion:117 Resp: 14379
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.509 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 62 Resp: 1132
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

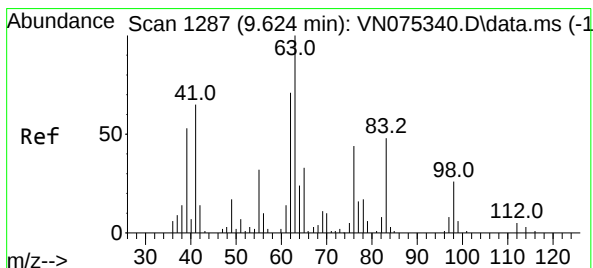
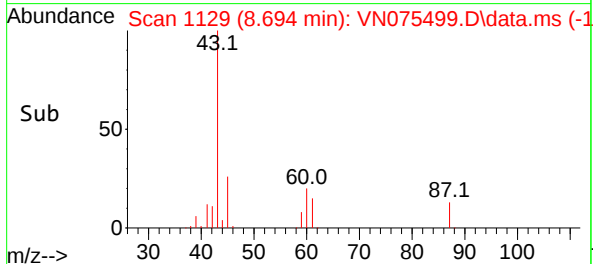
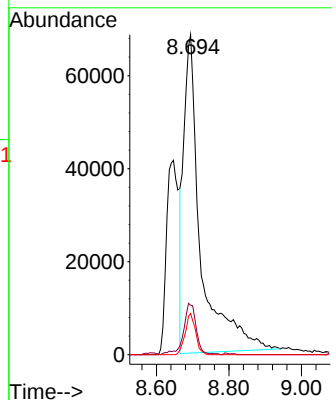
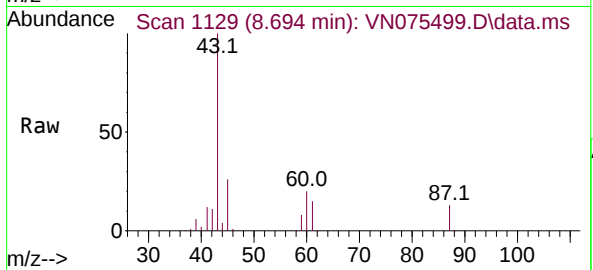




#43
Isopropyl Acetate
Concen: 71.932 ug/l
RT: 8.694 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

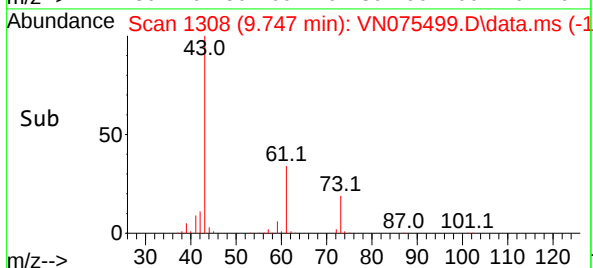
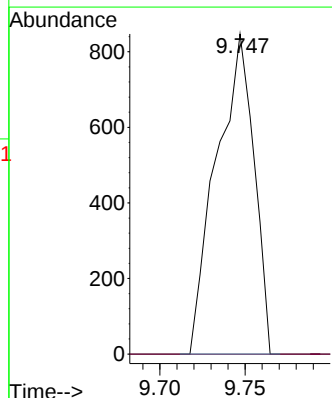
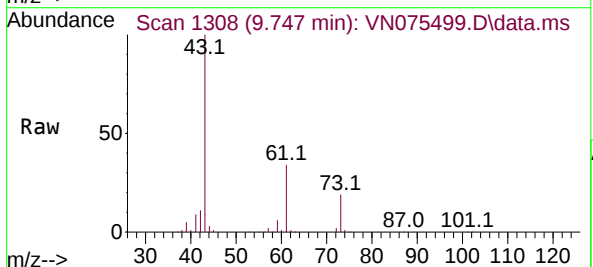
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

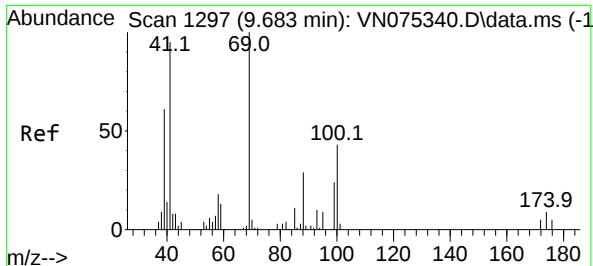
Tgt Ion: 43 Resp: 225270
Ion Ratio Lower Upper
43 100
61 11.9 22.4 33.6#
87 7.8 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.820 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 63 Resp: 1296
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.920 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075499.D

Acq: 30 Nov 2022 14:16

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#03

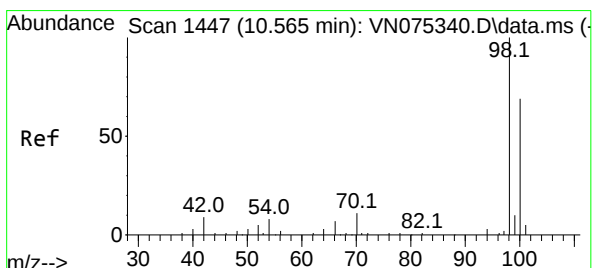
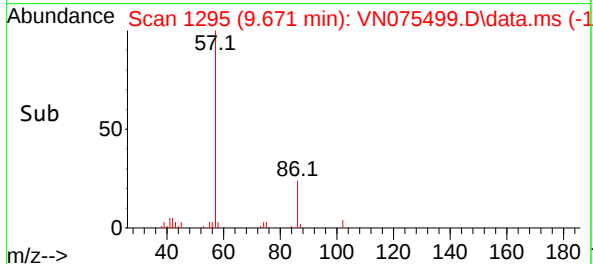
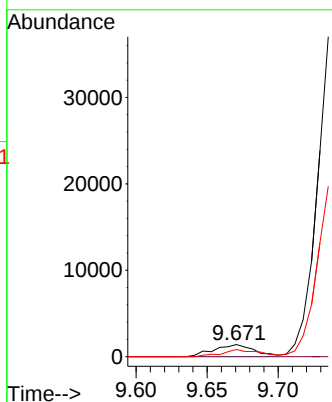
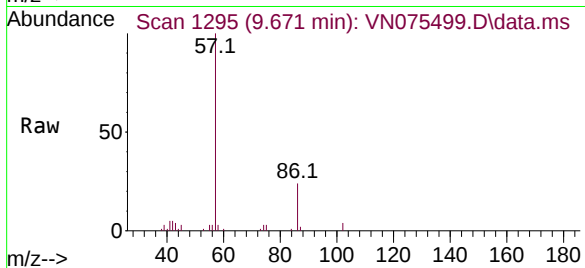
Tgt Ion: 41 Resp: 2780

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 53.8 56.2 84.2#



#50

Toluene-d8

Concen: 50.617 ug/l

RT: 10.565 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN075499.D

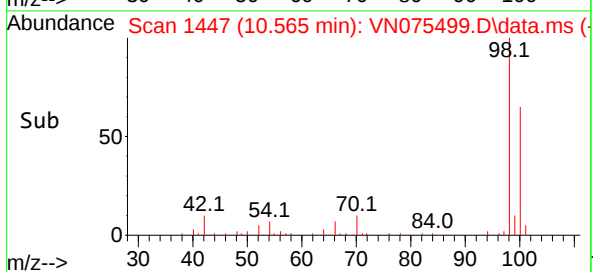
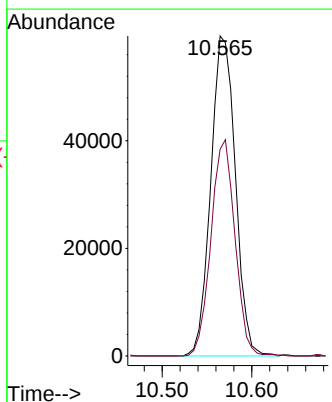
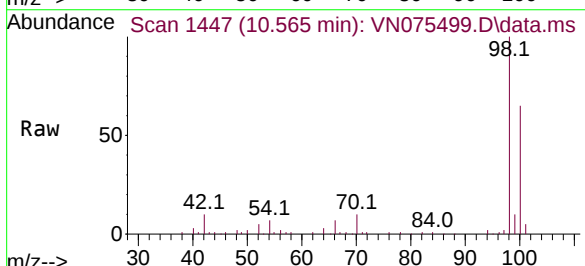
Acq: 30 Nov 2022 14:16

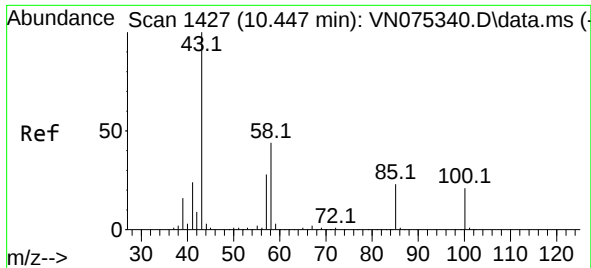
Tgt Ion: 98 Resp: 113275

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.6

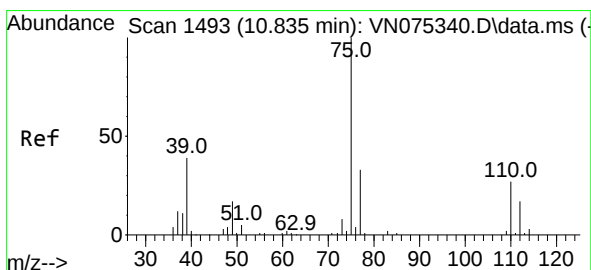
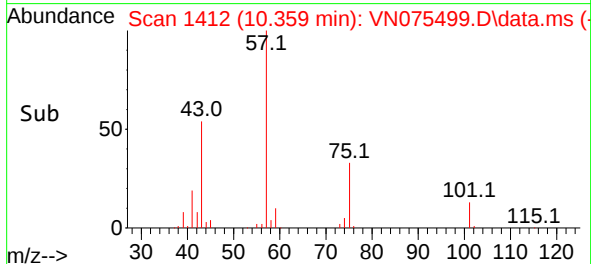
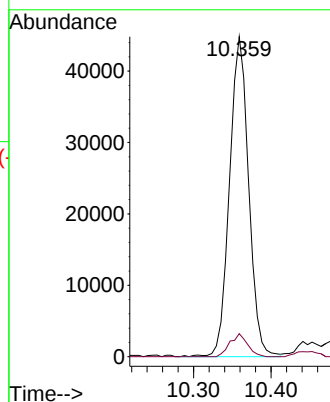
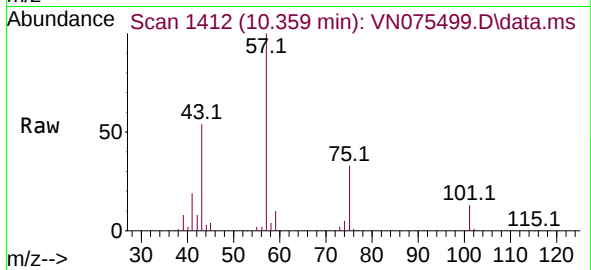




#51
4-Methyl-2-Pentanone
Concen: 38.661 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

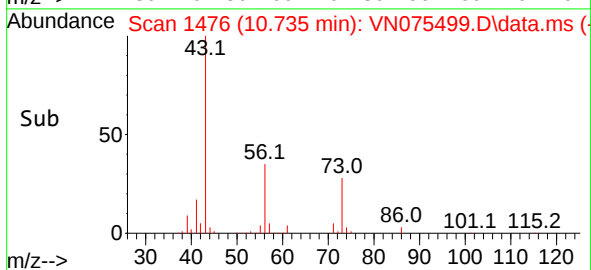
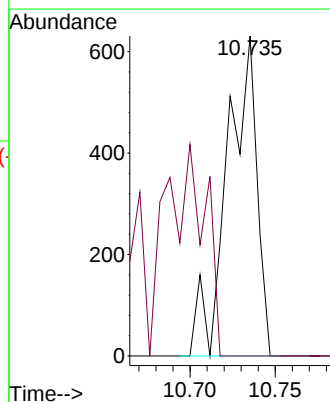
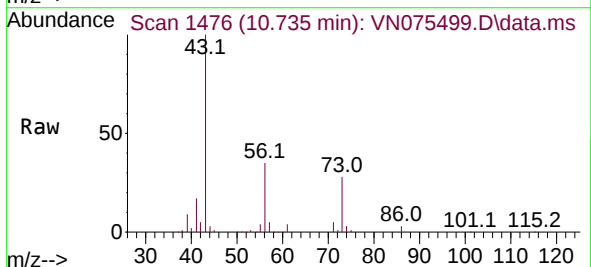
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

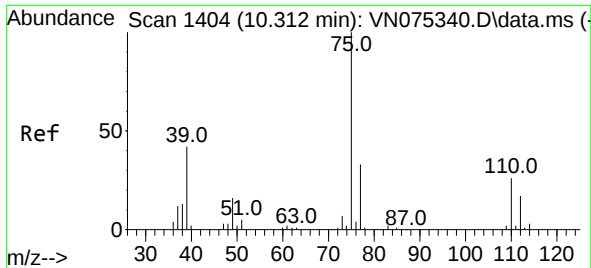
Tgt Ion: 43 Resp: 77114
Ion Ratio Lower Upper
43 100
58 6.6 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.328 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.100 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 75 Resp: 763
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

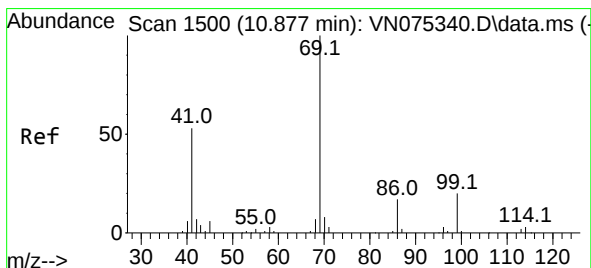
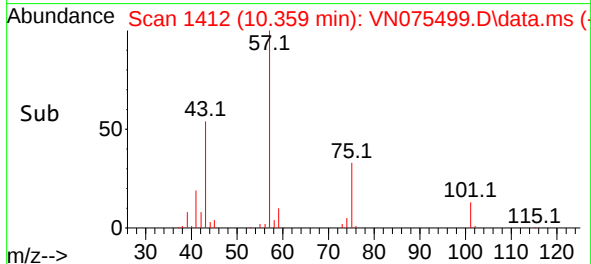
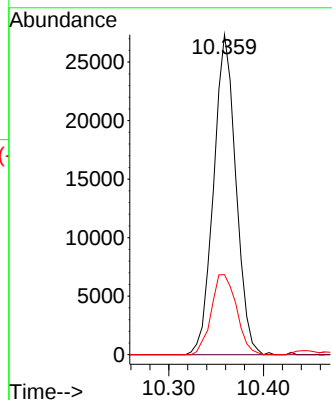
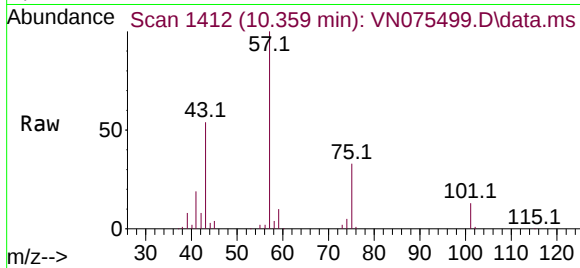




#54
 cis-1,3-Dichloropropene
 Concen: 17.703 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN075499.D
 Acq: 30 Nov 2022 14:16

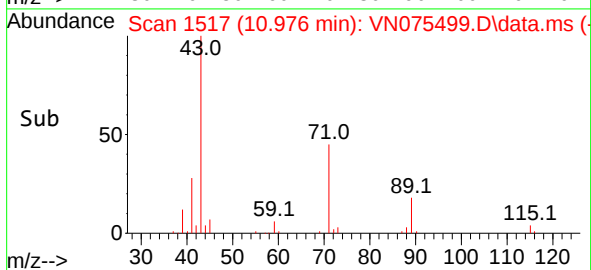
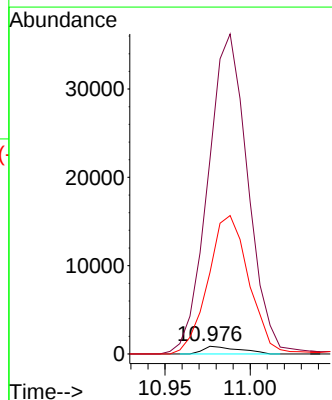
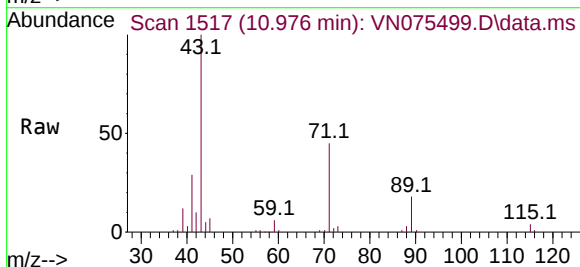
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#03

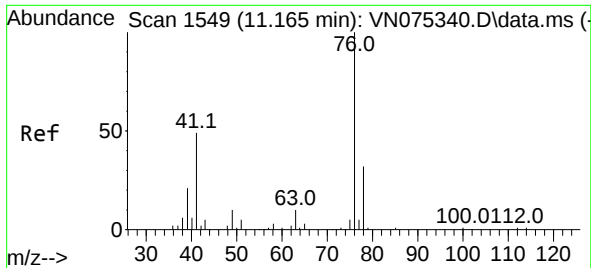
Tgt Ion: 75 Resp: 44700
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 25.0 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.546 ug/l
 RT: 10.976 min Scan# 1517
 Delta R.T. 0.099 min
 Lab File: VN075499.D
 Acq: 30 Nov 2022 14:16

Tgt Ion: 69 Resp: 1285
 Ion Ratio Lower Upper
 69 100
 41 4628.9 45.6 68.4#
 39 2044.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.957 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075499.D

Acq: 30 Nov 2022 14:16

Instrument :

MSVOA_N

ClientSampleId :

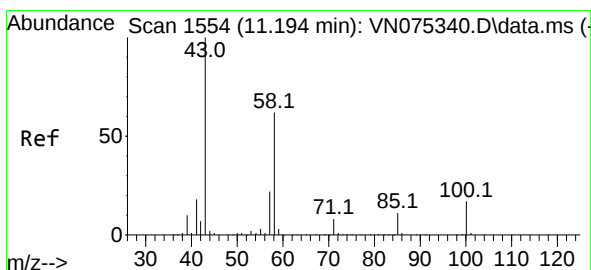
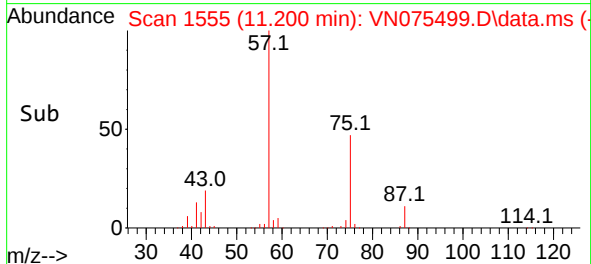
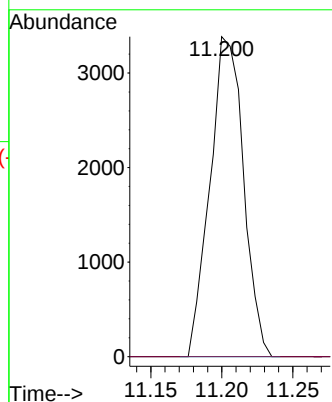
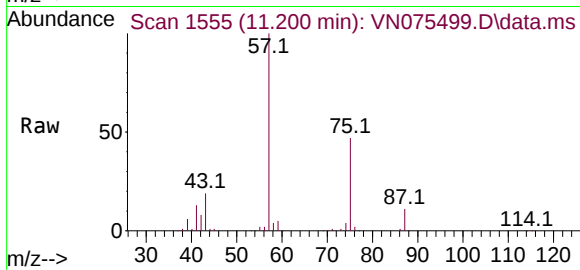
PB149341ZHE#03

Tgt Ion: 76 Resp: 5555

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 57.118 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.024 min

Lab File: VN075499.D

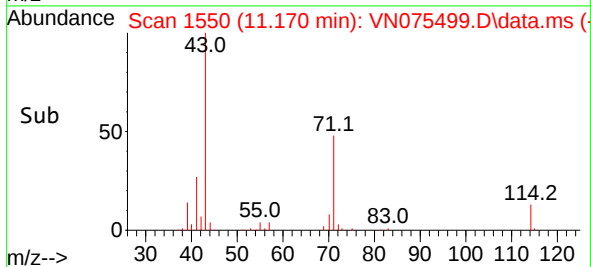
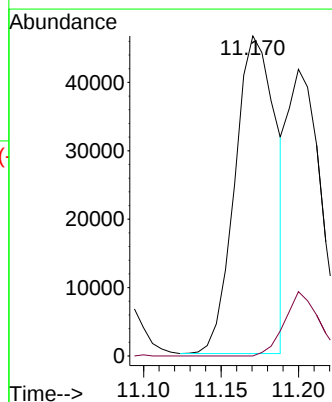
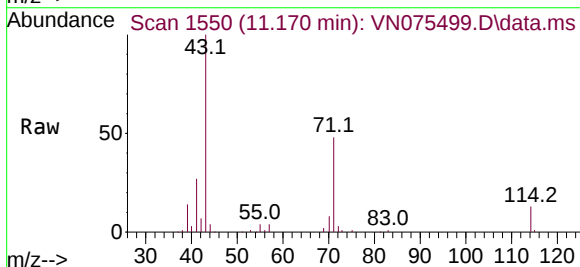
Acq: 30 Nov 2022 14:16

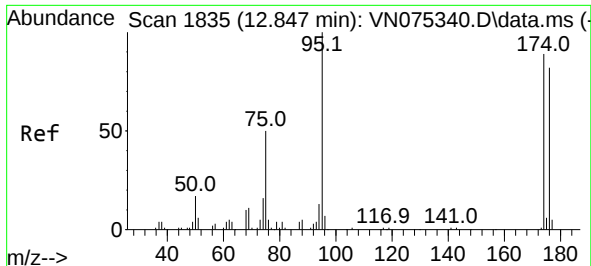
Tgt Ion: 43 Resp: 85550

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 47.472 ug/l

RT: 12.847 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN075499.D

Acq: 30 Nov 2022 14:16

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#03

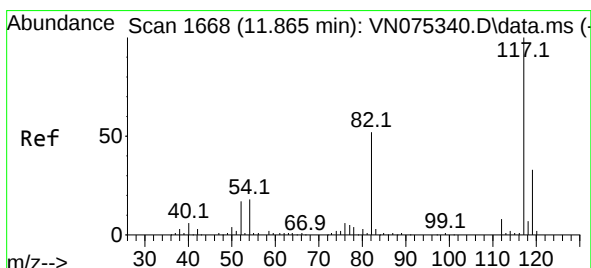
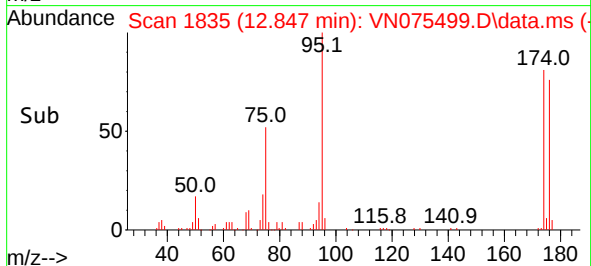
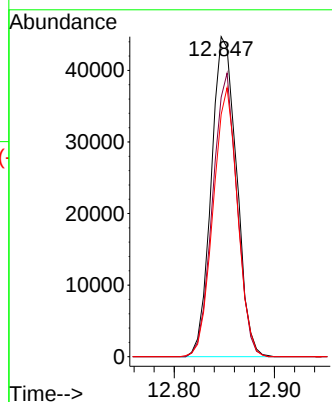
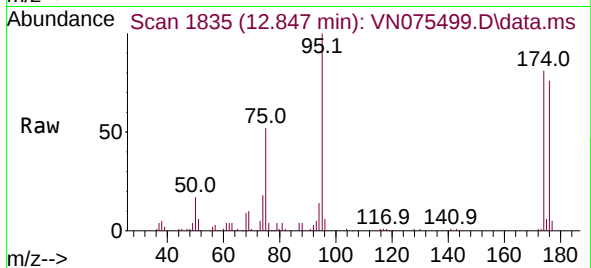
Tgt Ion: 95 Resp: 78414

Ion Ratio Lower Upper

95 100

174 85.0 0.0 147.4

176 80.9 0.0 142.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1668

Delta R.T. -0.000 min

Lab File: VN075499.D

Acq: 30 Nov 2022 14:16

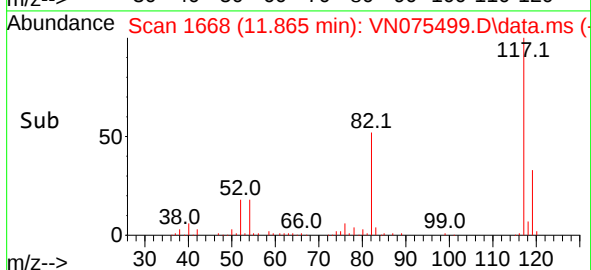
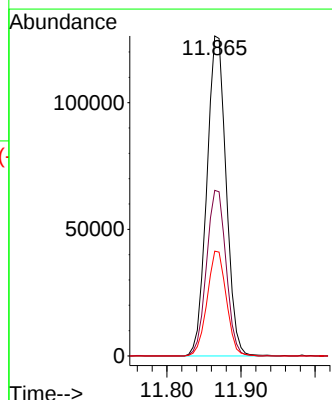
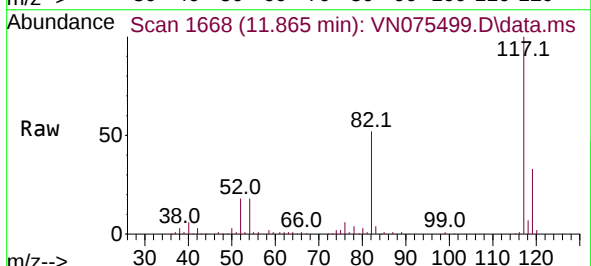
Tgt Ion: 117 Resp: 228162

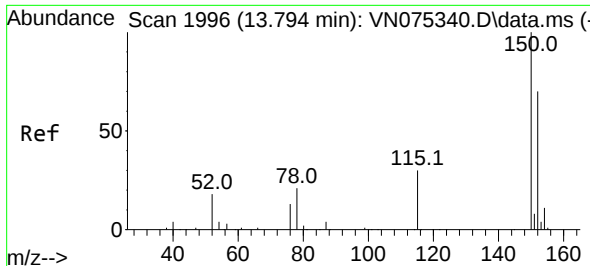
Ion Ratio Lower Upper

117 100

82 51.8 43.1 64.7

119 32.8 25.5 38.3

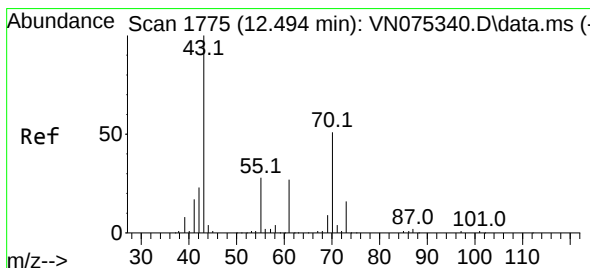
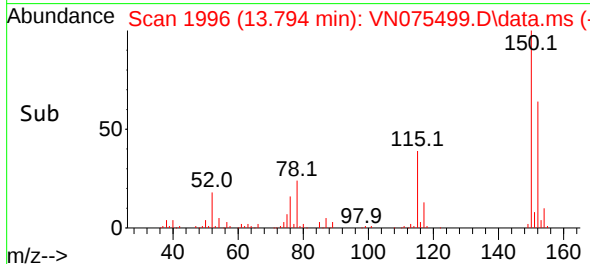
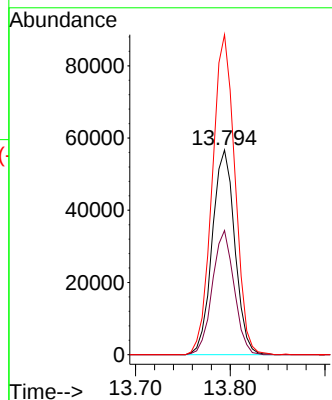
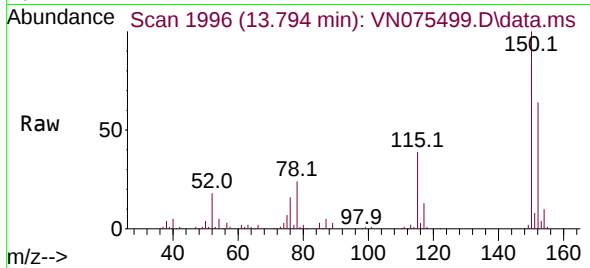




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

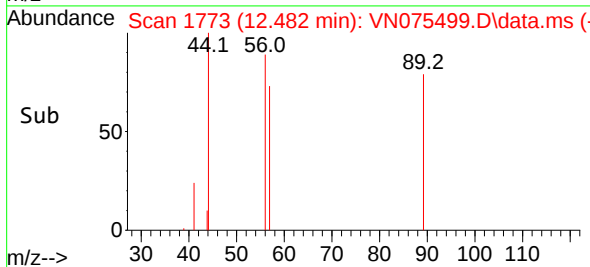
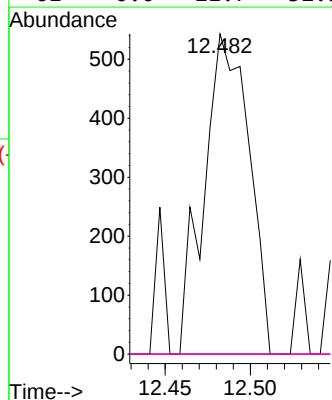
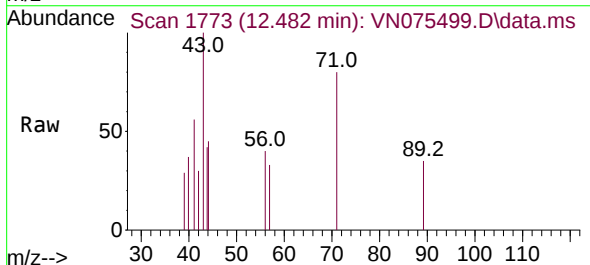
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

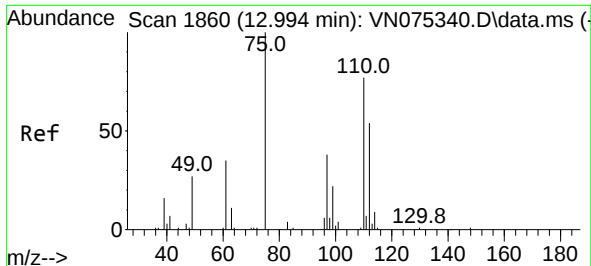
Tgt Ion:152 Resp: 93792
Ion Ratio Lower Upper
152 100
115 58.4 30.2 90.6
150 157.2 0.0 348.4



#74
N-ethyl acetate
Concen: 0.476 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 43 Resp: 1002
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#

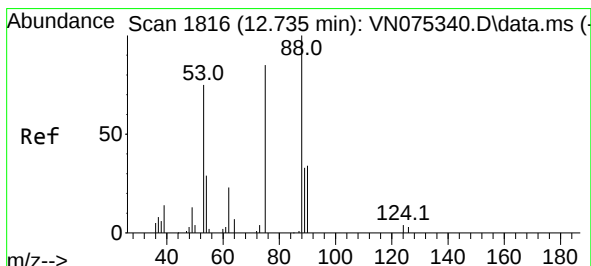
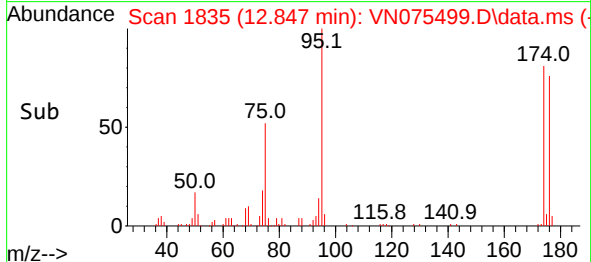
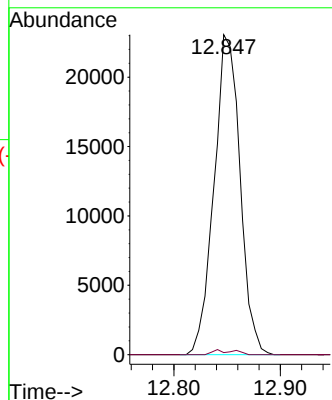
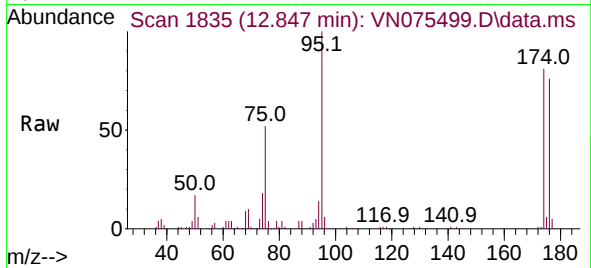




#76
1,2,3-Trichloropropane
Concen: 22.023 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#03

Tgt Ion: 75 Resp: 39055
Ion Ratio Lower Upper
75 100
77 1.2 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.162 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN075499.D
Acq: 30 Nov 2022 14:16

Tgt Ion: 75 Resp: 39055
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

