

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075497.D
 Acq On : 30 Nov 2022 13:28
 Operator : JC\MD
 Sample : PB149341ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#01

Quant Time: Dec 01 02:14:59 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)

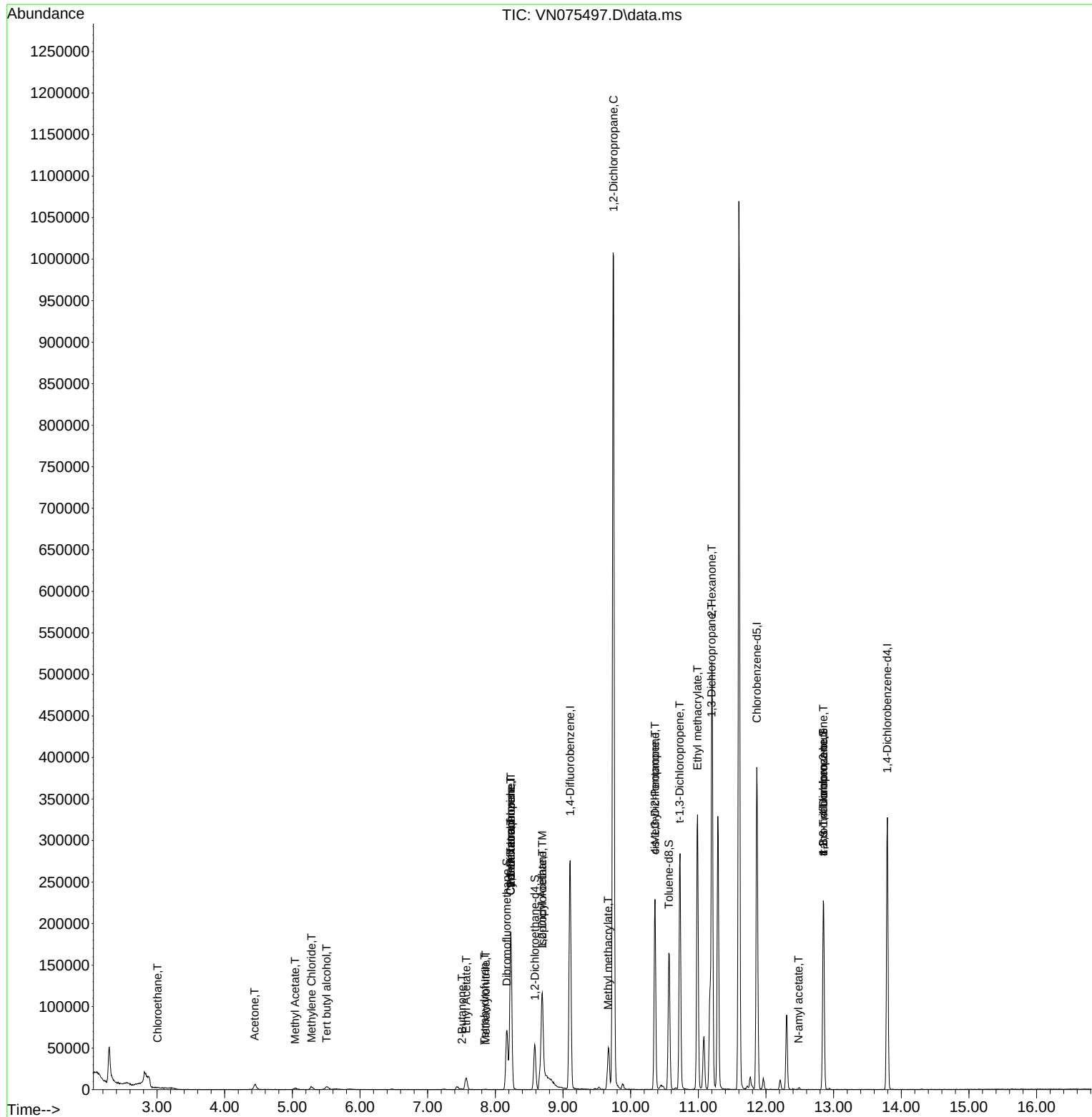
Internal Standards						
1) Pentafluorobenzene	8.230	168	144190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	253917	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	235323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	43854	56.660	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.320%			
35) Dibromofluoromethane	8.171	113	51956	52.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.565	98	116344	51.787	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.580%			
62) 4-Bromofluorobenzene	12.847	95	78586	47.392	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.780%			
Target Compounds						Qvalue
6) Chloroethane	3.006	64	904	0.690	ug/l #	45
11) Tert butyl alcohol	5.506	59	3464	10.661	ug/l #	72
16) Acetone	4.442	43	11784	16.323	ug/l	95
18) Methyl Acetate	5.041	43	3955	0.901	ug/l #	80
20) Methylene Chloride	5.283	84	2825	0.668	ug/l #	66
25) 2-Butanone	7.506	43	1176	1.167	ug/l	96
29) Tetrahydrofuran	7.841	42	302	0.493	ug/l #	26
31) Cyclohexane	8.224	56	2689	1.093	ug/l #	5
36) 1,1-Dichloropropene	8.230	75	10635	4.889	ug/l #	49
37) Ethyl Acetate	7.571	43	21152	10.799	ug/l	99
38) Carbon Tetrachloride	8.224	117	14265	5.970	ug/l #	15
41) Methacrylonitrile	7.859	41	253	0.253	ug/l #	29
42) 1,2-Dichloroethane	8.694	62	583	0.261	ug/l #	75
43) Isopropyl Acetate	8.694	43	154418	49.117	ug/l #	80
45) 1,2-Dichloropropane	9.747	63	1621	1.021	ug/l #	42
48) Methyl methacrylate	9.665	41	2949	2.029	ug/l #	35
51) 4-Methyl-2-Pentanone	10.359	43	79171	39.538	ug/l #	45
53) t-1,3-Dichloropropene	10.723	75	816	0.350	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	44402	17.517	ug/l #	61
56) Ethyl methacrylate	10.988	69	1337	0.566	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	5380	1.888	ug/l #	42
59) 2-Hexanone	11.200	43	61943	41.196	ug/l #	52
74) N-amyl acetate	12.482	43	786	0.374	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	39058	22.106	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	39058	65.407	ug/l #	10

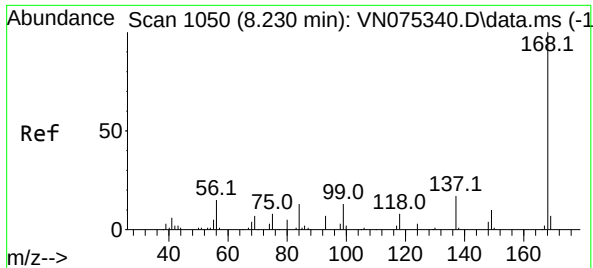
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

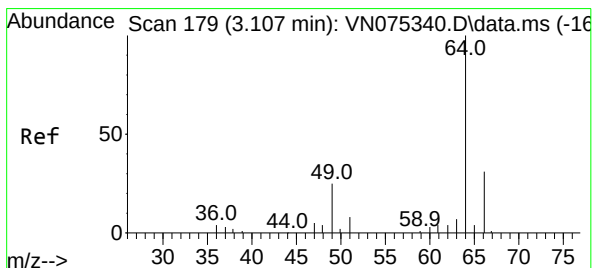
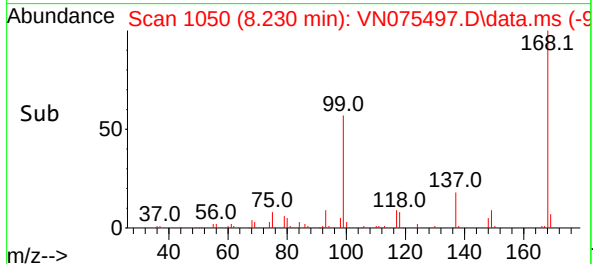
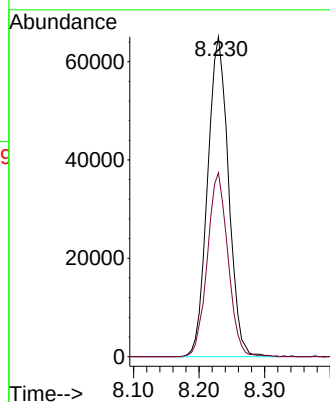
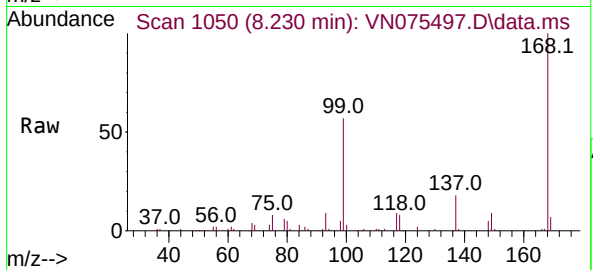




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

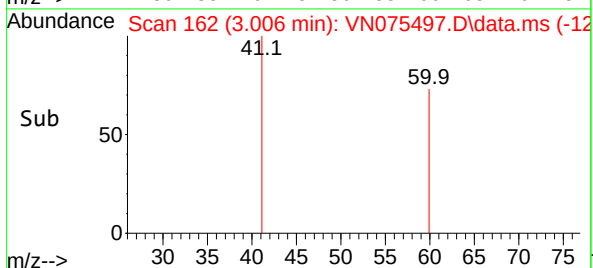
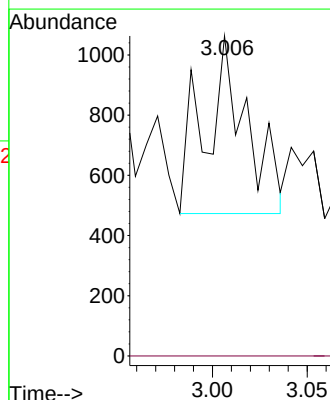
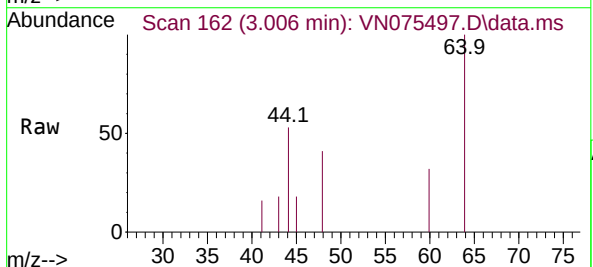
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

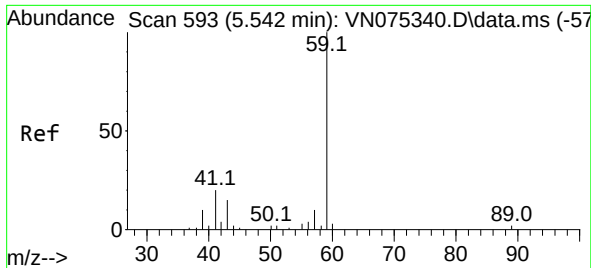
Tgt Ion:168 Resp: 144190
Ion Ratio Lower Upper
168 100
99 57.5 51.6 77.4



#6
Chloroethane
Concen: 0.690 ug/l
RT: 3.006 min Scan# 162
Delta R.T. -0.101 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 64 Resp: 904
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

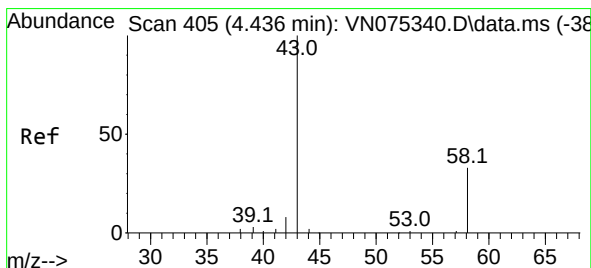
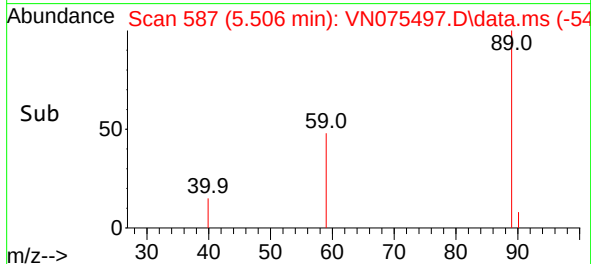
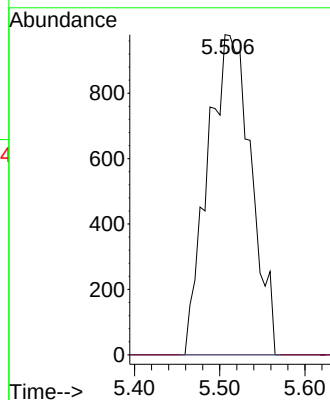
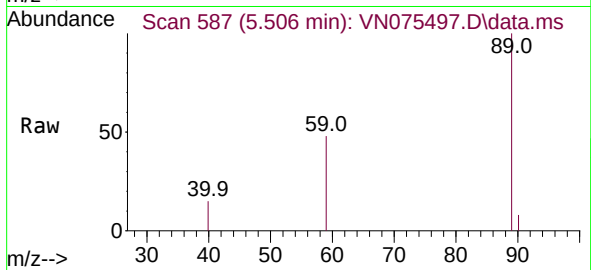




#11
Tert butyl alcohol
Concen: 10.661 ug/l
RT: 5.506 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

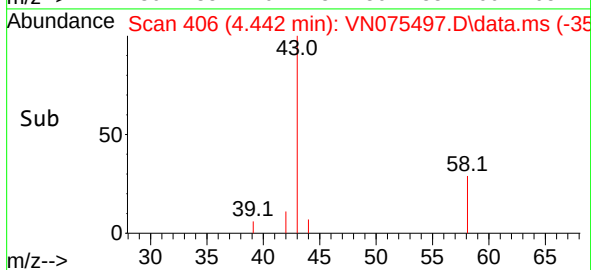
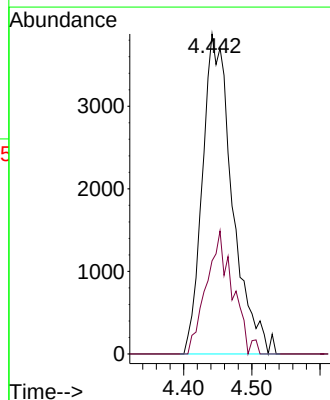
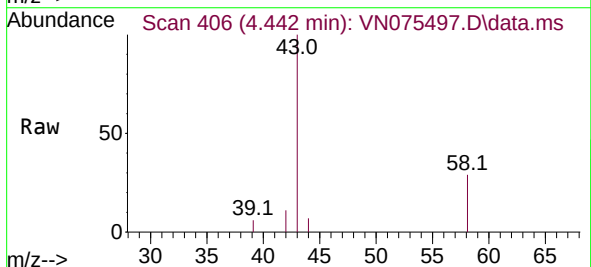
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

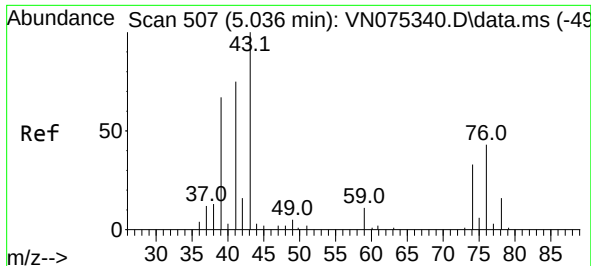
Tgt Ion: 59 Resp: 3464
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 16.323 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 43 Resp: 11784
Ion Ratio Lower Upper
43 100
58 29.1 25.5 38.3

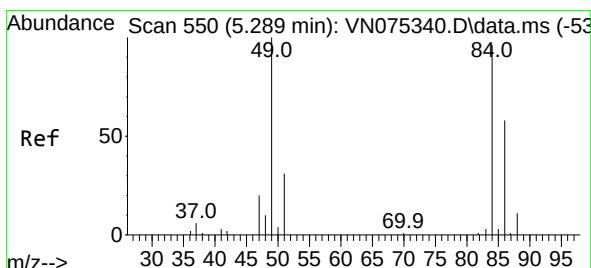
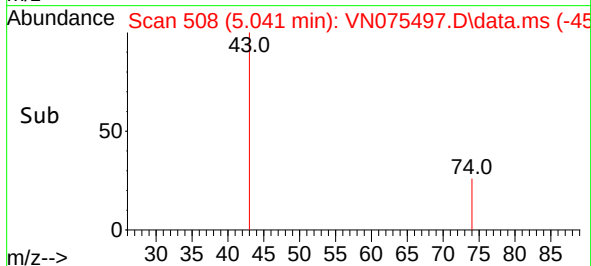
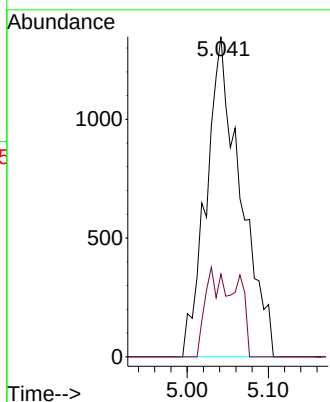
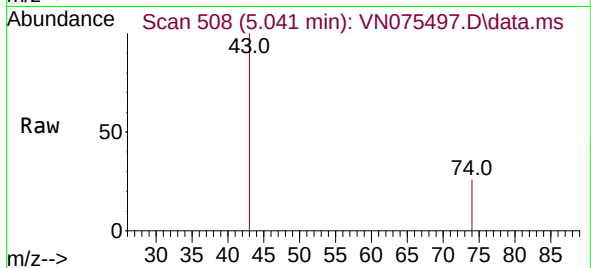




#18
Methyl Acetate
Concen: 0.901 ug/l
RT: 5.041 min Scan# 507
Delta R.T. 0.005 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

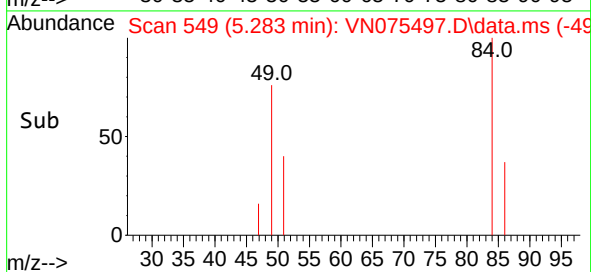
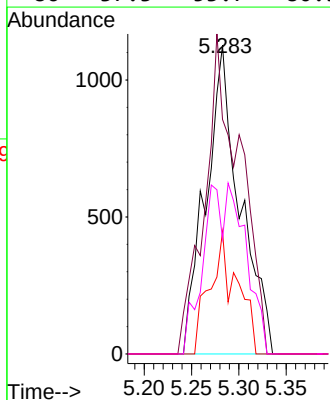
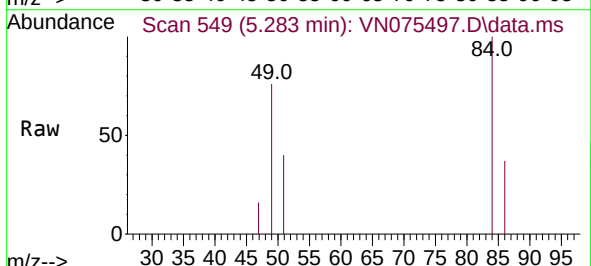
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

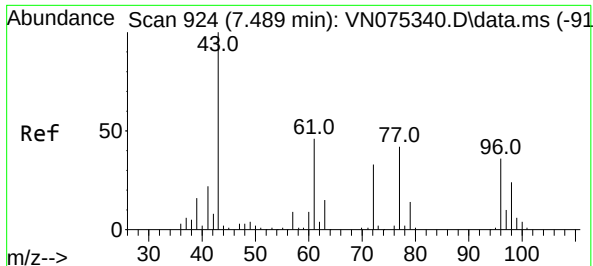
Tgt Ion: 43 Resp: 3955
Ion Ratio Lower Upper
43 100
74 17.1 22.0 33.0#



#20
Methylene Chloride
Concen: 0.668 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 84 Resp: 2825
Ion Ratio Lower Upper
84 100
49 76.0 94.9 142.3#
51 39.7 26.8 40.2
86 37.3 53.7 80.5#





#25

2-Butanone

Concen: 1.167 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

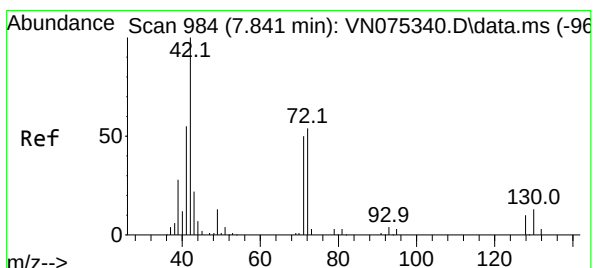
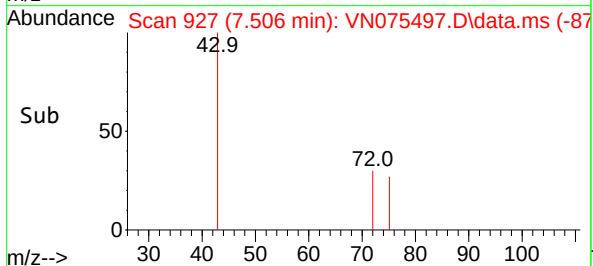
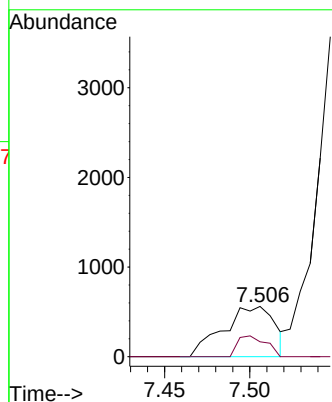
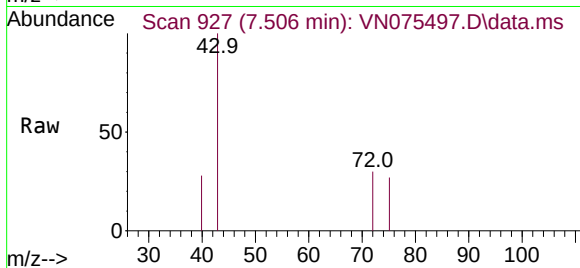
PB149341ZHE#01

Tgt Ion: 43 Resp: 1176

Ion Ratio Lower Upper

43 100

72 29.6 25.5 38.3



#29

Tetrahydrofuran

Concen: 0.493 ug/l

RT: 7.841 min Scan# 984

Delta R.T. 0.000 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

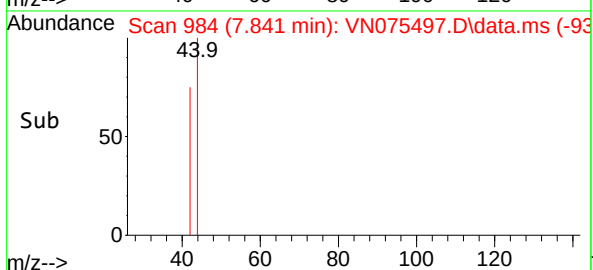
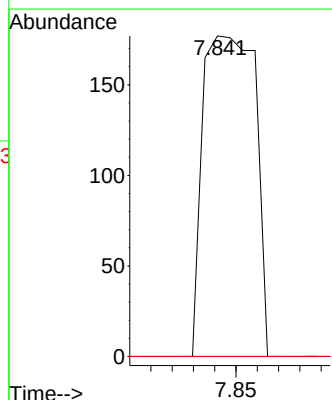
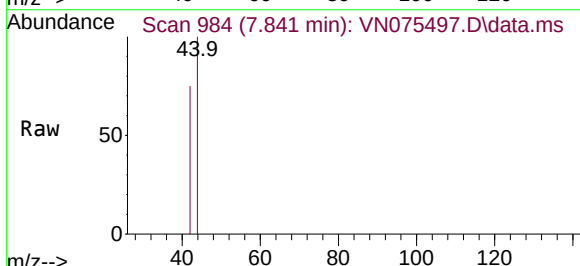
Tgt Ion: 42 Resp: 302

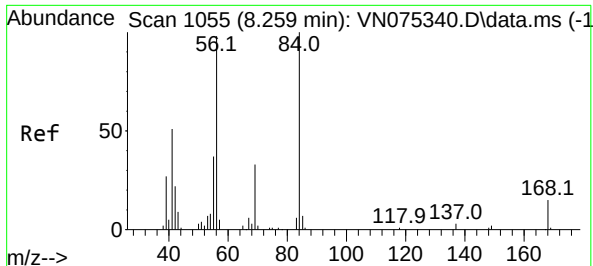
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

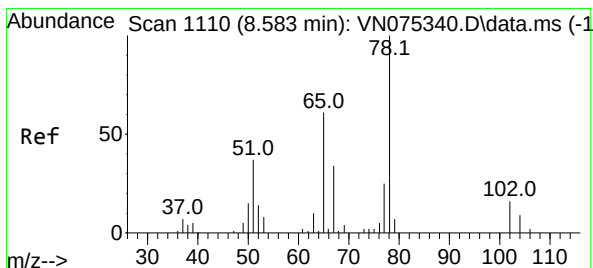
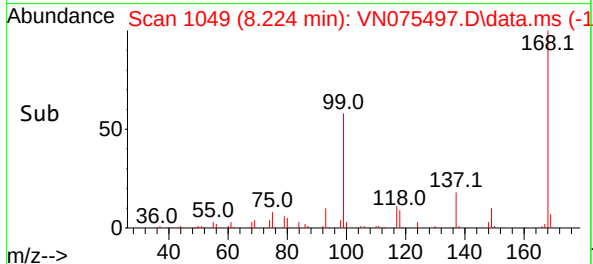
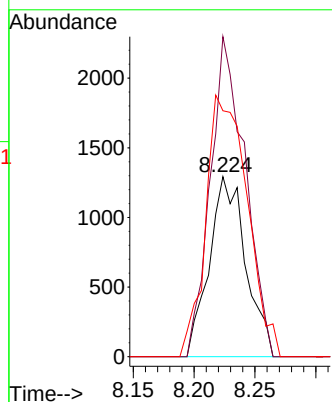
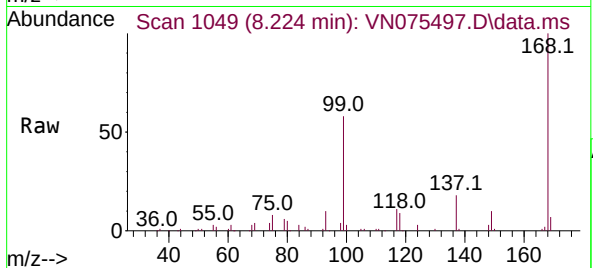




#31
Cyclohexane
Concen: 1.093 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

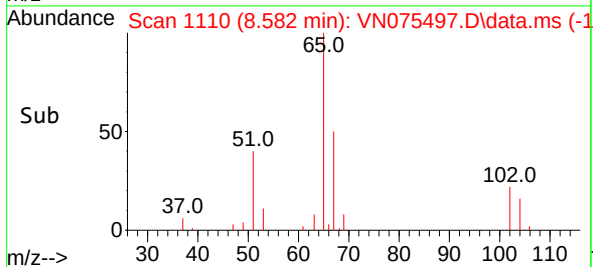
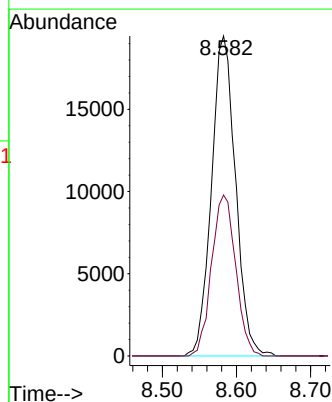
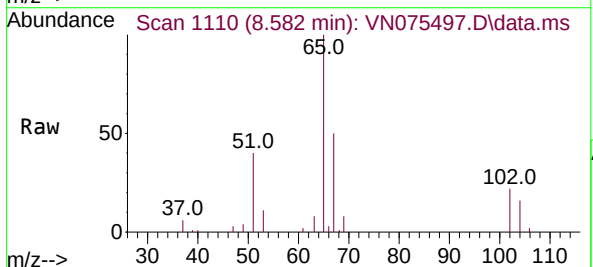
Instrument :
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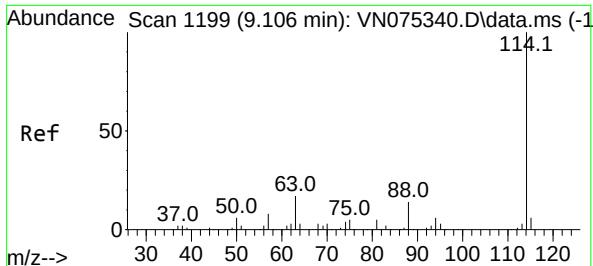
Tgt Ion: 56 Resp: 2689
Ion Ratio Lower Upper
56 100
69 177.7 25.2 37.8#
84 136.6 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 56.660 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 65 Resp: 43854
Ion Ratio Lower Upper
65 100
67 50.4 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: VN075497.D

Acq: 30 Nov 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#01

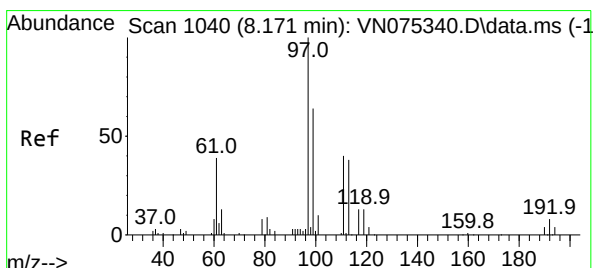
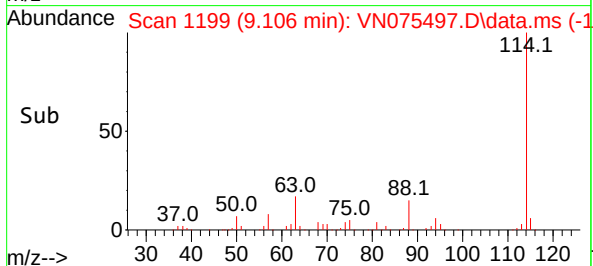
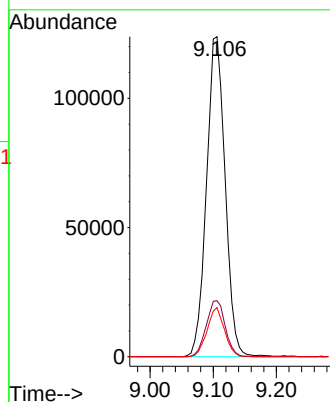
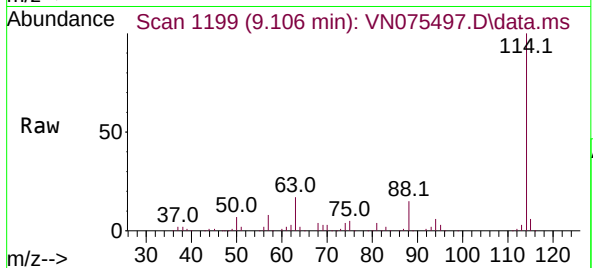
Tgt Ion:114 Resp: 253917

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 15.4 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.088 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

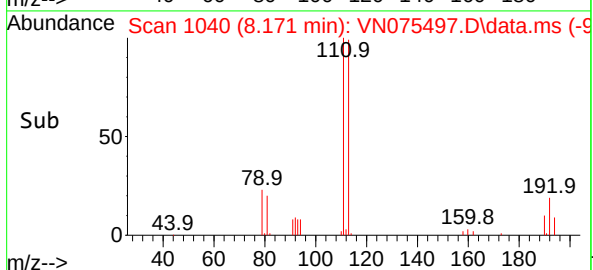
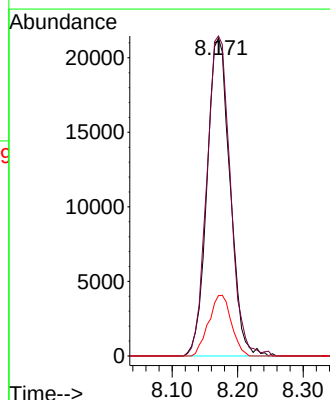
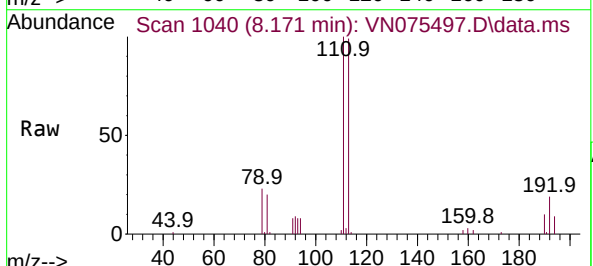
Tgt Ion:113 Resp: 51956

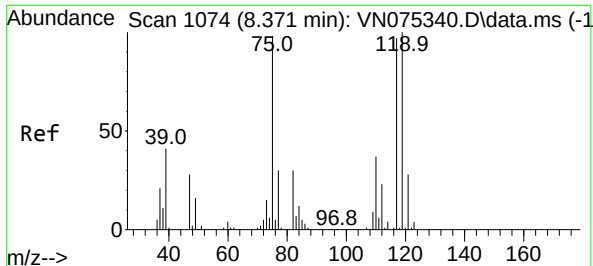
Ion Ratio Lower Upper

113 100

111 102.9 80.5 120.7

192 18.8 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.141 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#01

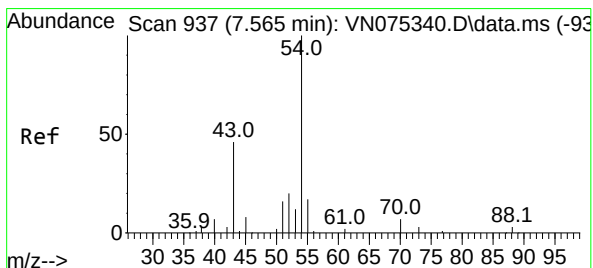
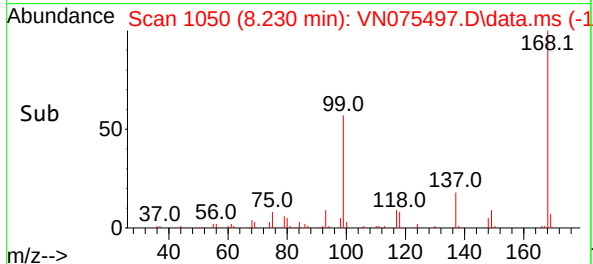
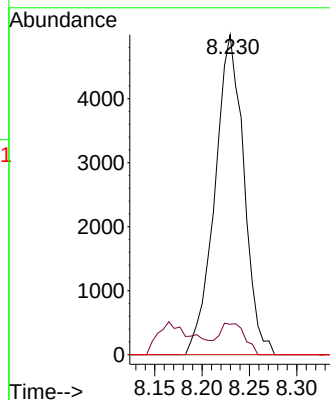
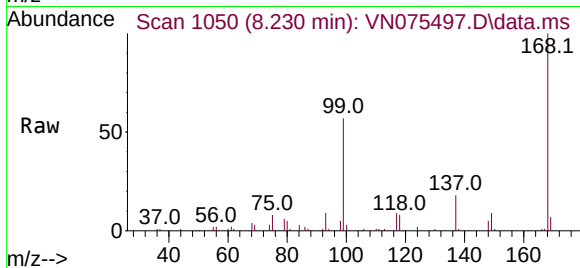
Tgt Ion: 75 Resp: 10635

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 10.799 ug/l

RT: 7.571 min Scan# 938

Delta R.T. 0.006 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

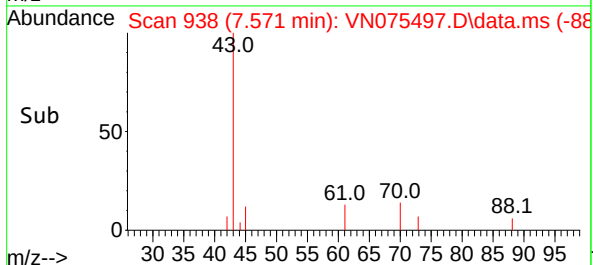
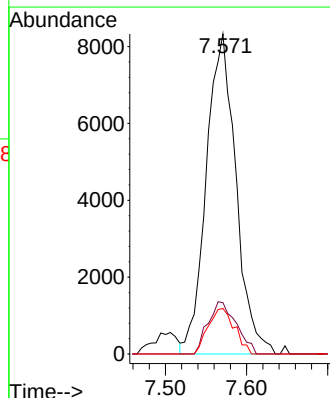
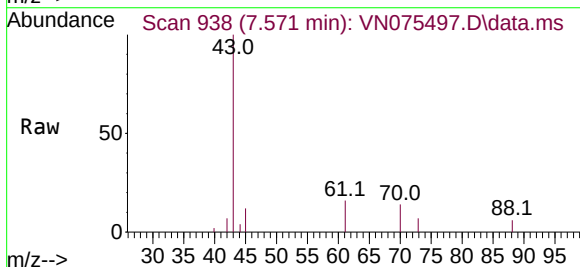
Tgt Ion: 43 Resp: 21152

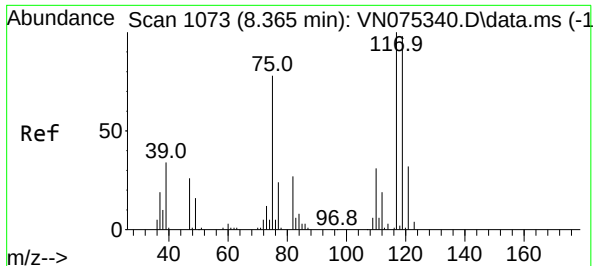
Ion Ratio Lower Upper

43 100

61 15.5 12.2 18.4

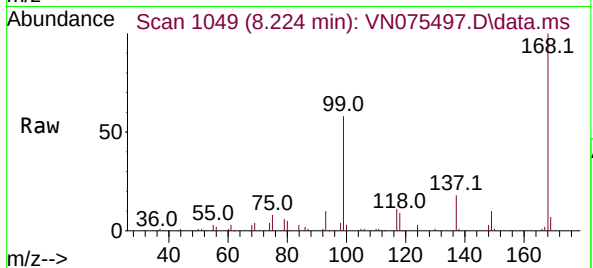
70 12.6 9.4 14.2



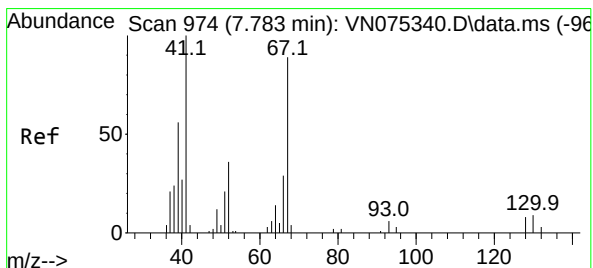
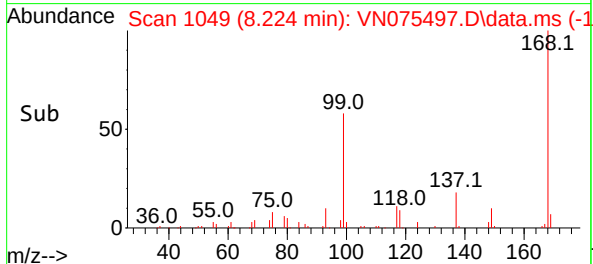
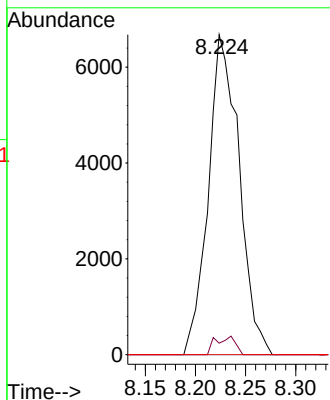


#38
Carbon Tetrachloride
Concen: 5.970 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

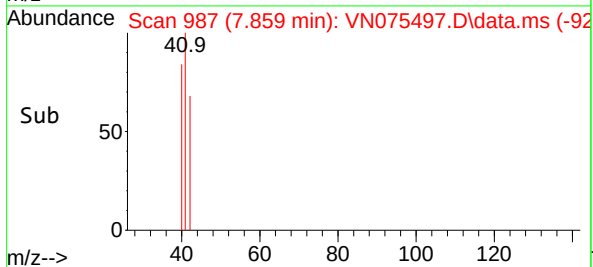
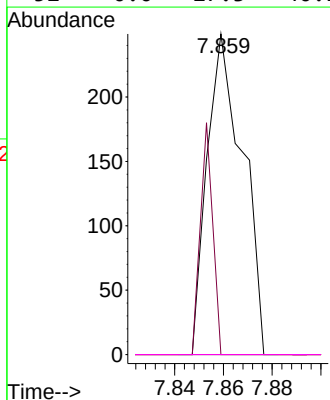
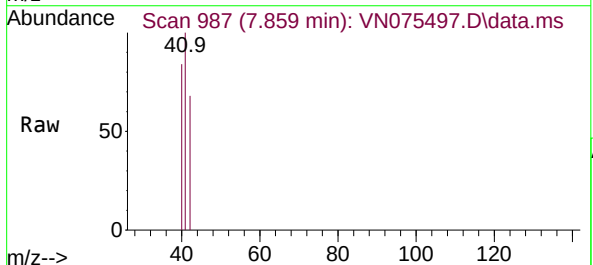


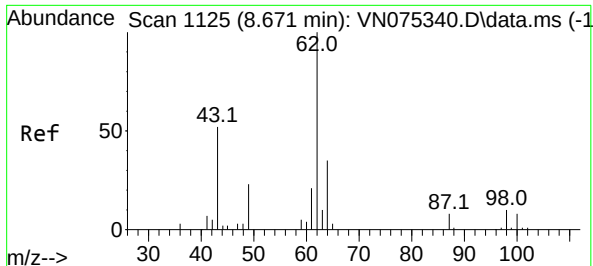
Tgt Ion:117 Resp: 14265
Ion Ratio Lower Upper
117 100
119 3.6 76.7 115.1#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 0.253 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.076 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 41 Resp: 253
Ion Ratio Lower Upper
41 100
39 25.3 44.4 66.6#
67 0.0 69.8 104.6#
52 0.0 27.3 40.9#





#42

1,2-Dichloroethane

Concen: 0.261 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.023 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

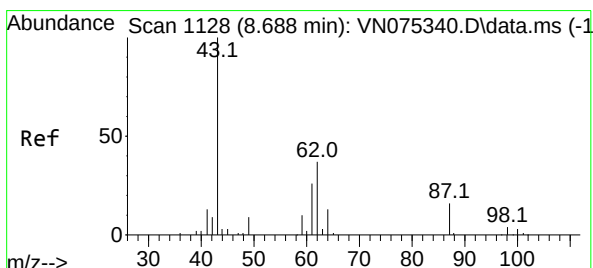
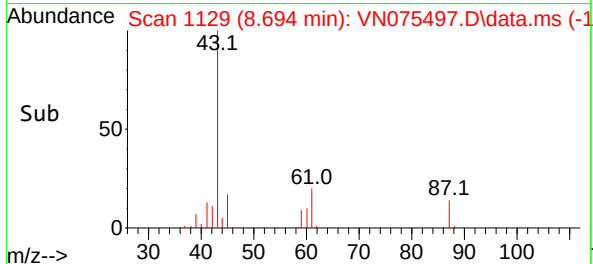
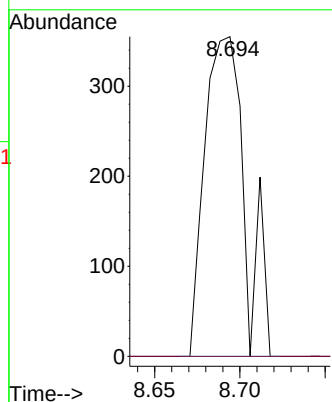
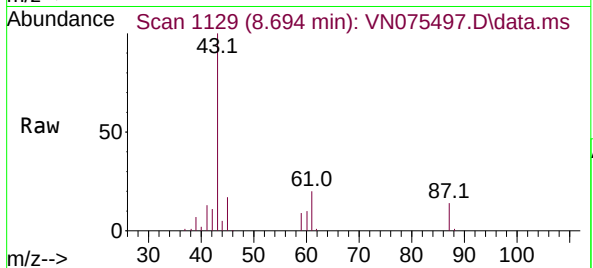
PB149341ZHE#01

Tgt Ion: 62 Resp: 583

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 49.117 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

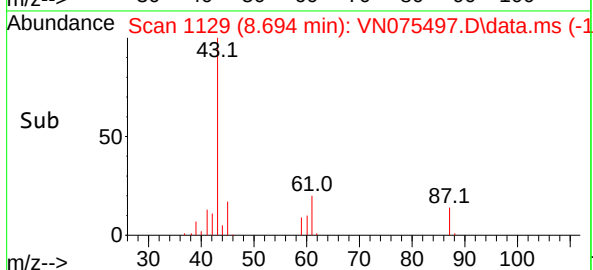
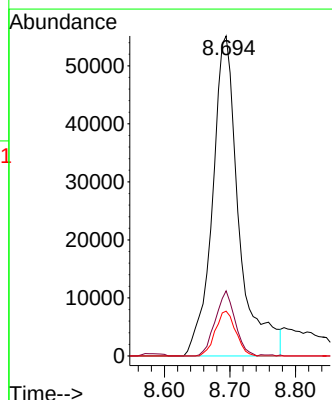
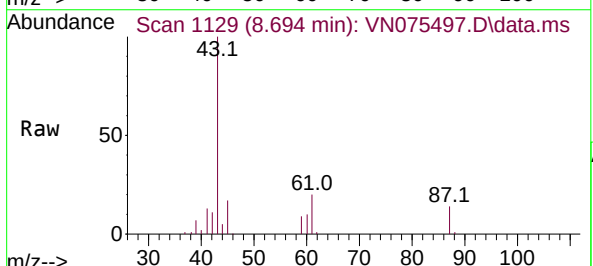
Tgt Ion: 43 Resp: 154418

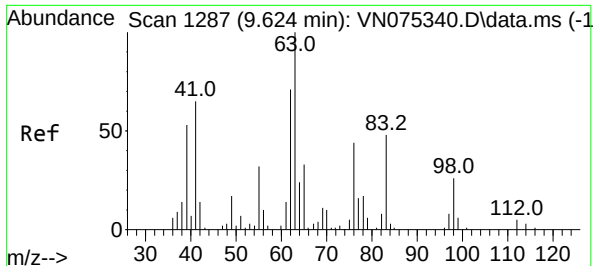
Ion Ratio Lower Upper

43 100

61 15.2 22.4 33.6#

87 10.8 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 1.021 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

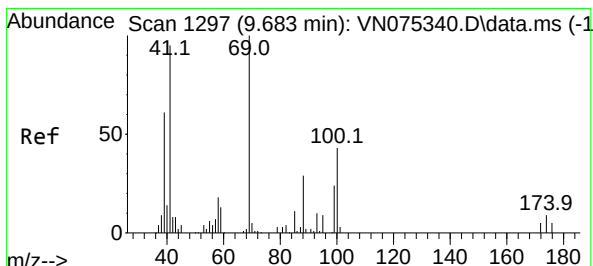
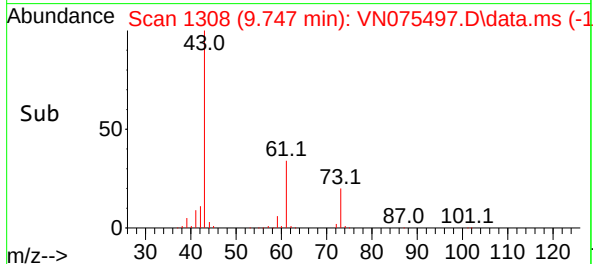
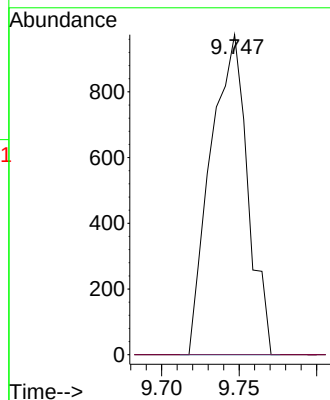
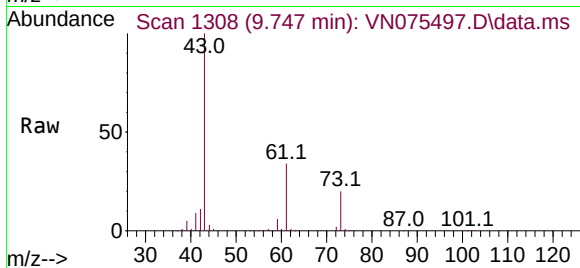
PB149341ZHE#01

Tgt Ion: 63 Resp: 1621

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 2.029 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.018 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

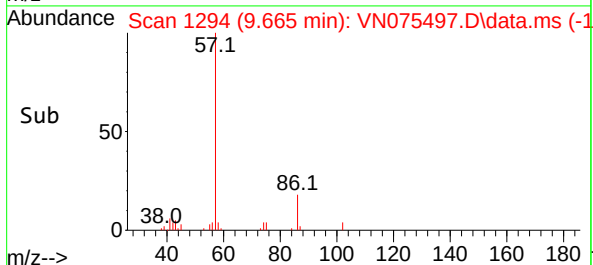
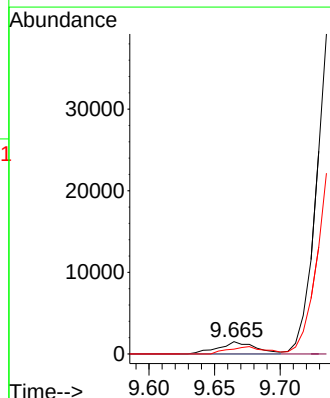
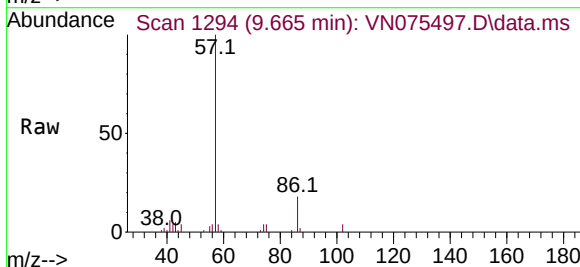
Tgt Ion: 41 Resp: 2949

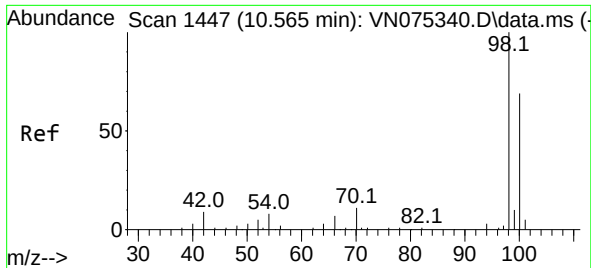
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 57.9 56.2 84.2

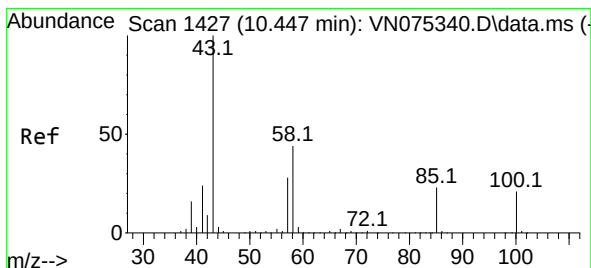
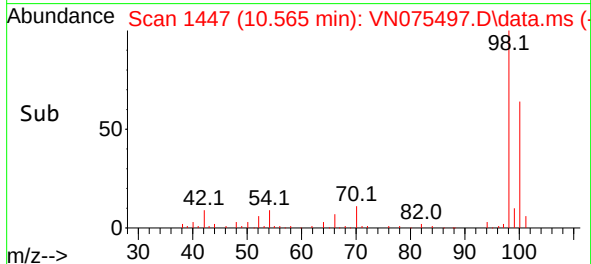
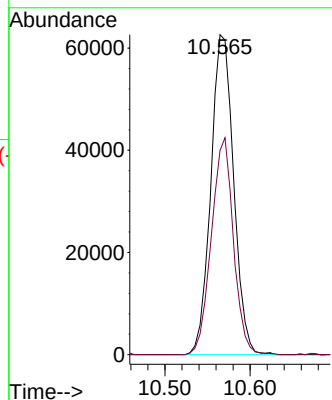
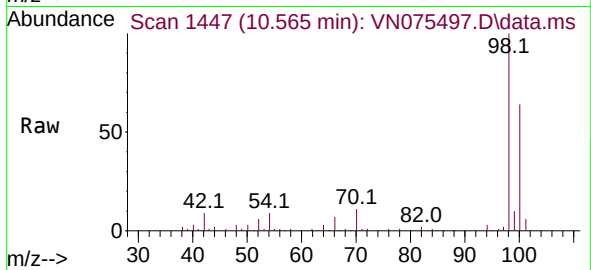




#50
Toluene-d8
Concen: 51.787 ug/l
RT: 10.565 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

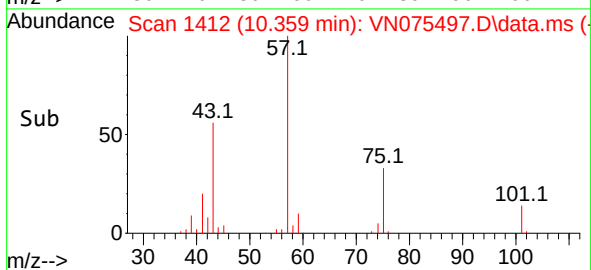
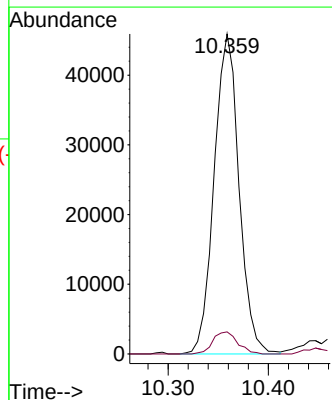
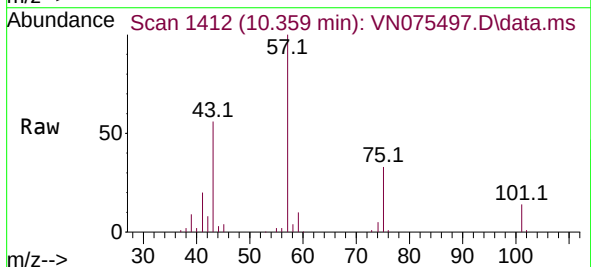
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

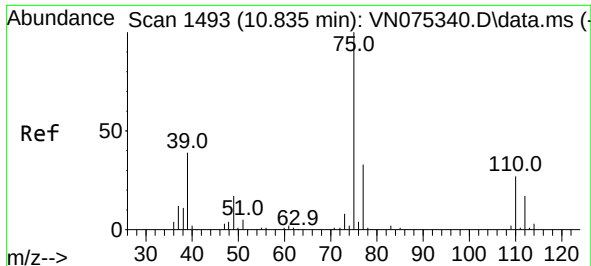
Tgt Ion: 98 Resp: 116344
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 39.538 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 43 Resp: 79171
Ion Ratio Lower Upper
43 100
58 6.9 33.6 50.4#

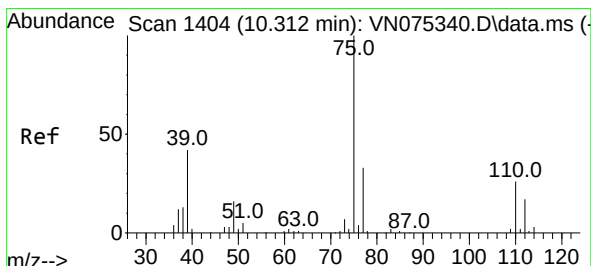
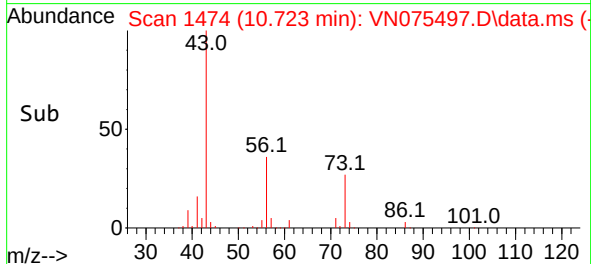
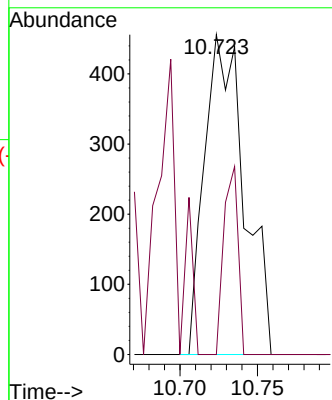
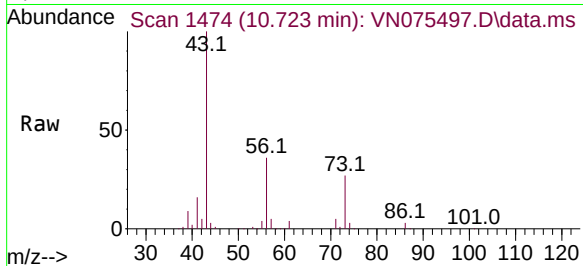




#53
 t-1,3-Dichloropropene
 Concen: 0.350 ug/l
 RT: 10.723 min Scan# 1412
 Delta R.T. -0.112 min
 Lab File: VN075497.D
 Acq: 30 Nov 2022 13:28

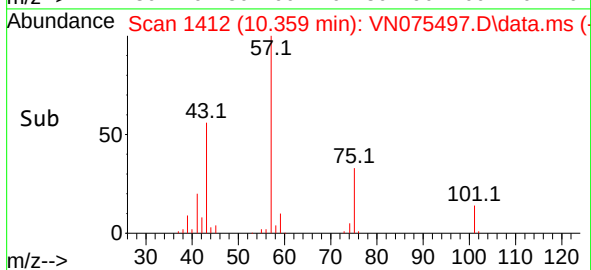
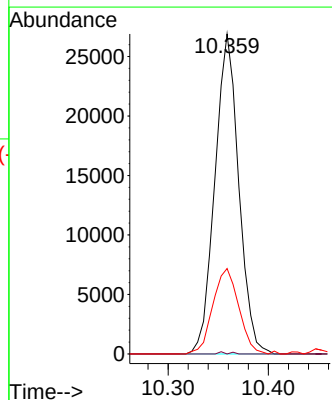
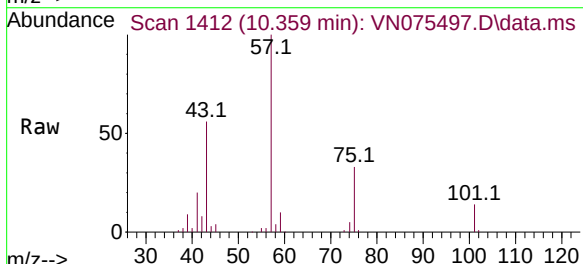
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#01

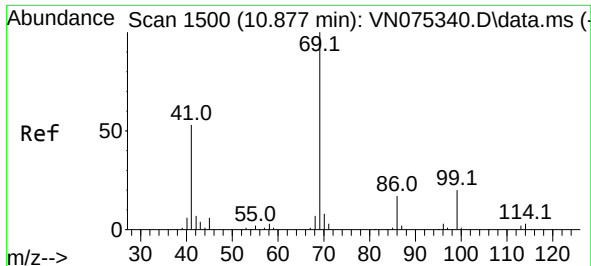
Tgt Ion: 75 Resp: 816
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 17.517 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075497.D
 Acq: 30 Nov 2022 13:28

Tgt Ion: 75 Resp: 44402
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 26.7 35.8 53.6#

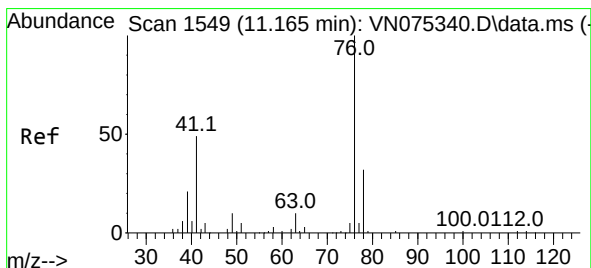
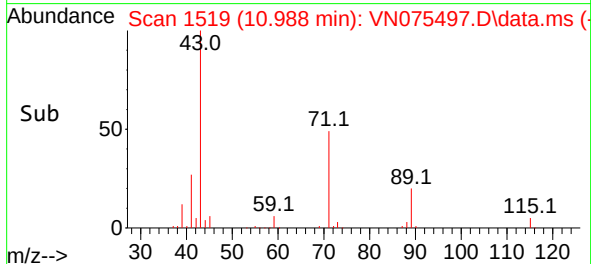
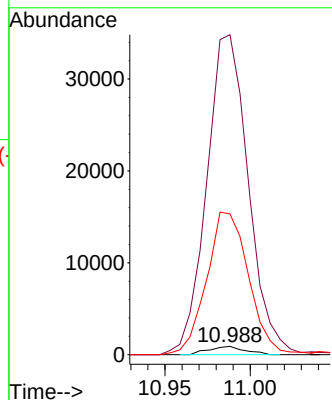
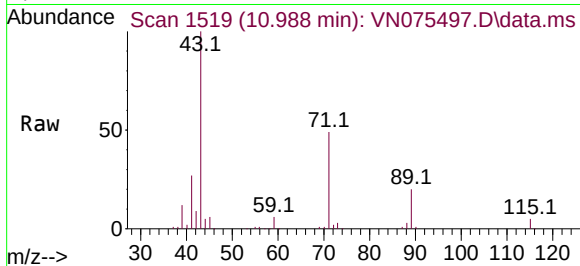




#56
Ethyl methacrylate
Concen: 0.566 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

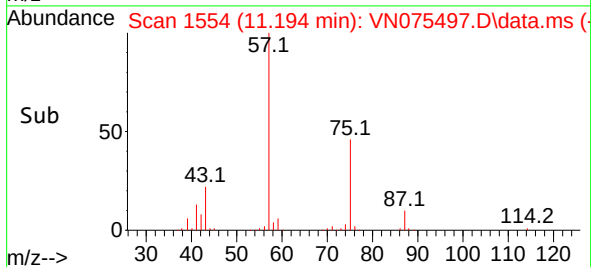
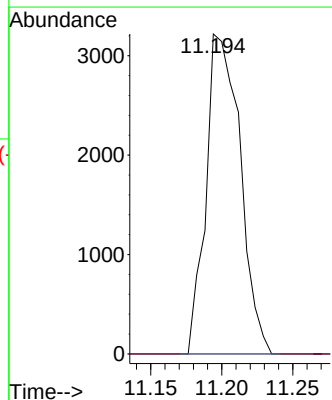
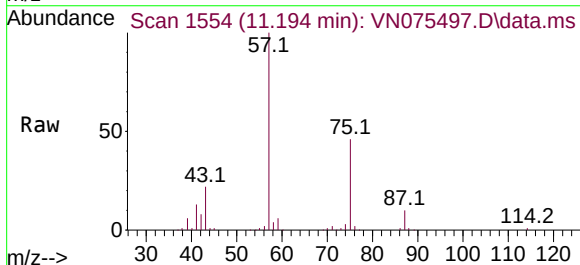
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

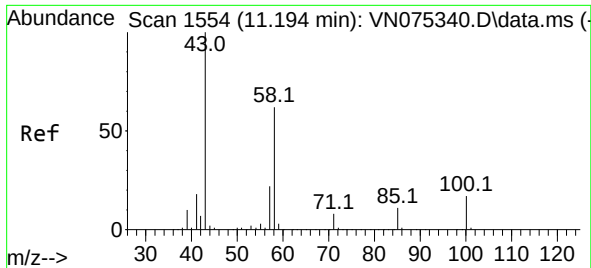
Tgt Ion: 69 Resp: 1337
Ion Ratio Lower Upper
69 100
41 4446.0 45.6 68.4#
39 1993.7 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.888 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. 0.029 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 76 Resp: 5380
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

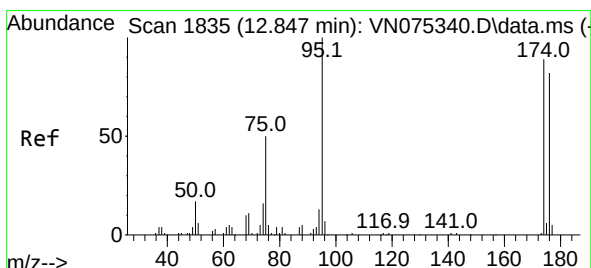
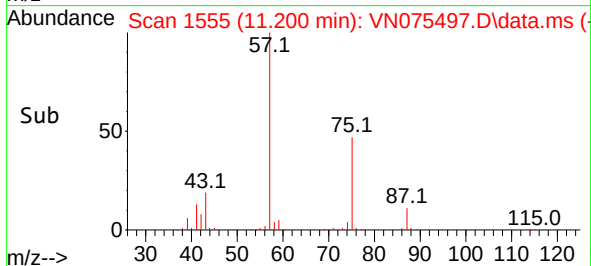
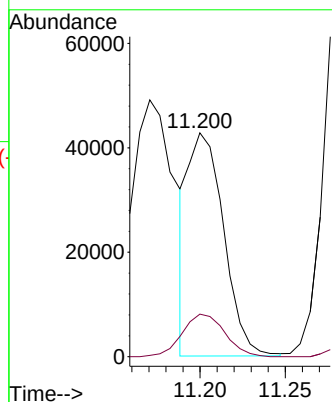
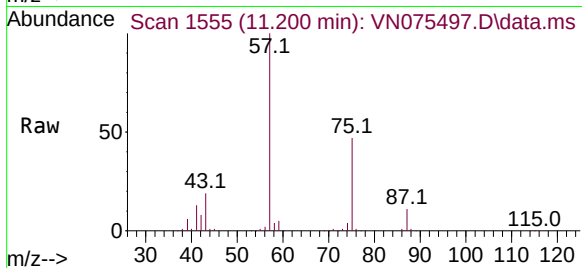




#59
2-Hexanone
Concen: 41.196 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

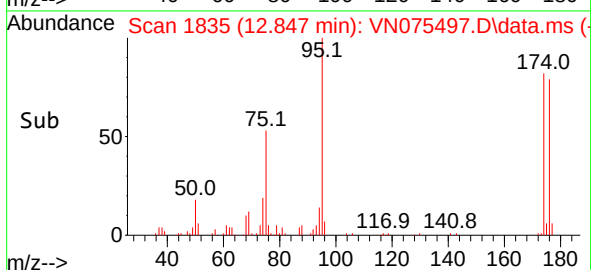
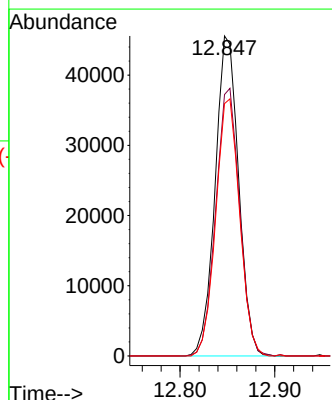
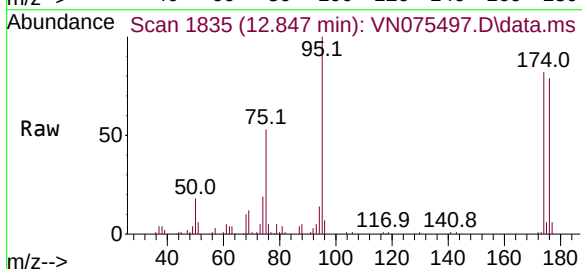
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

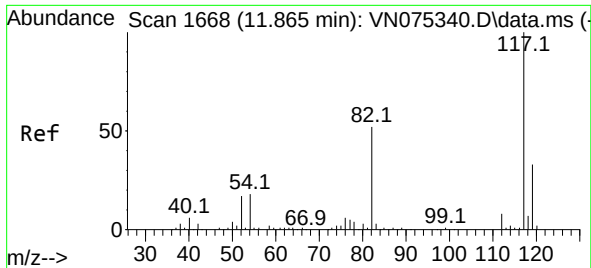
Tgt Ion: 43 Resp: 61943
Ion Ratio Lower Upper
43 100
58 23.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.392 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.000 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion: 95 Resp: 78586
Ion Ratio Lower Upper
95 100
174 84.9 0.0 147.4
176 81.6 0.0 142.2

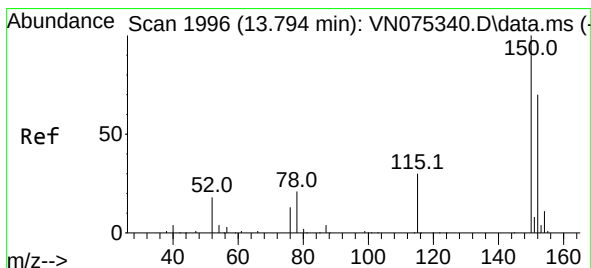
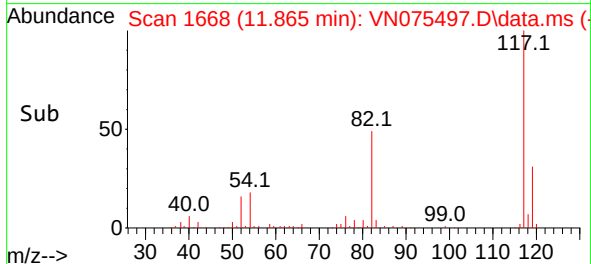
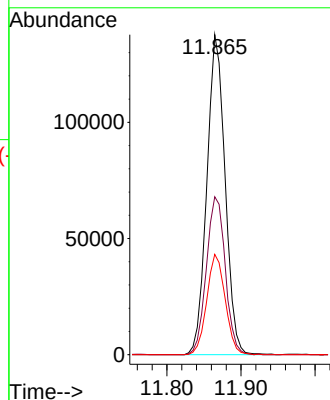
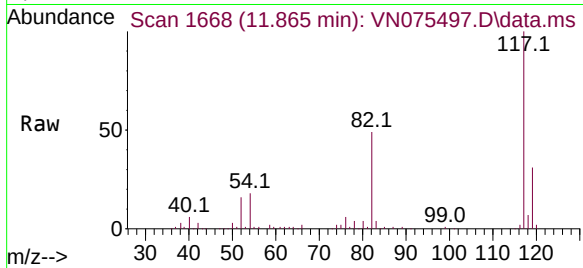




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

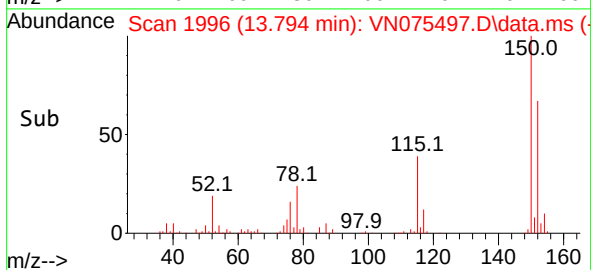
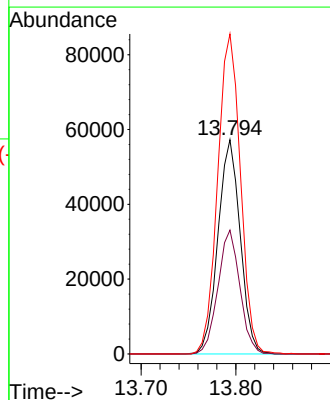
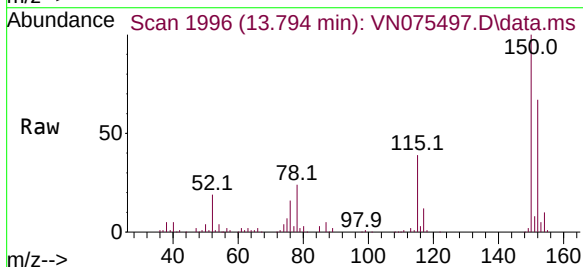
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#01

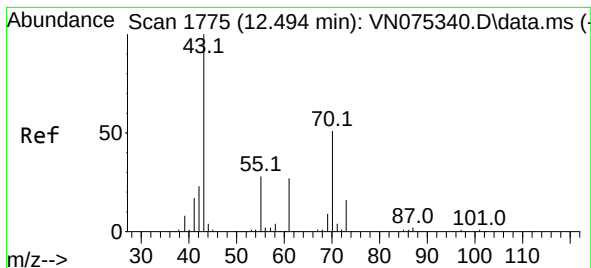
Tgt Ion:117 Resp: 235323
Ion Ratio Lower Upper
117 100
82 49.3 43.1 64.7
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075497.D
Acq: 30 Nov 2022 13:28

Tgt Ion:152 Resp: 93447
Ion Ratio Lower Upper
152 100
115 57.0 30.2 90.6
150 153.0 0.0 348.4





#74

N-amy1 acetate

Concen: 0.374 ug/l

RT: 12.482 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN075497.D

Acq: 30 Nov 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#01

Tgt Ion: 43 Resp: 786

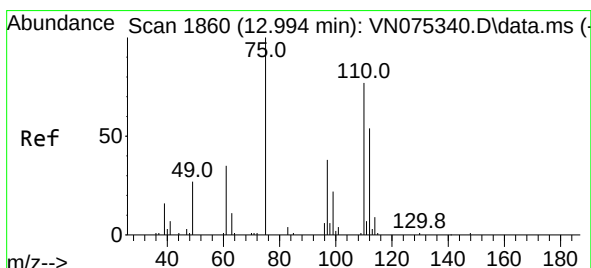
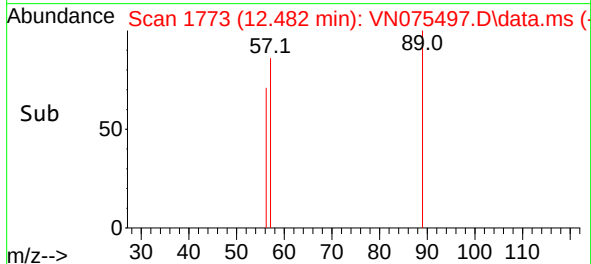
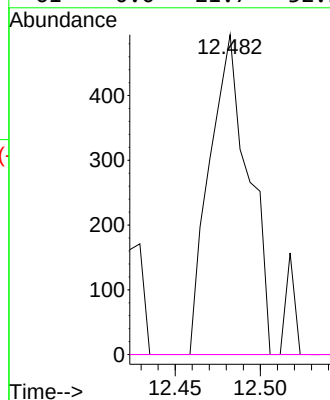
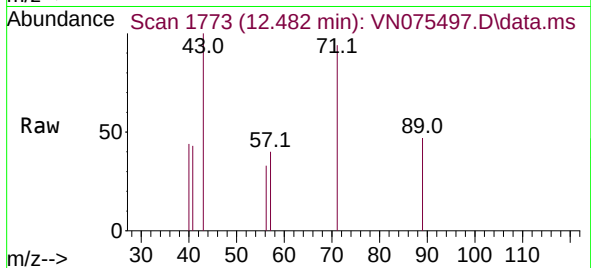
Ion Ratio Lower Upper

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: 22.106 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. -0.147 min

Lab File: VN075497.D

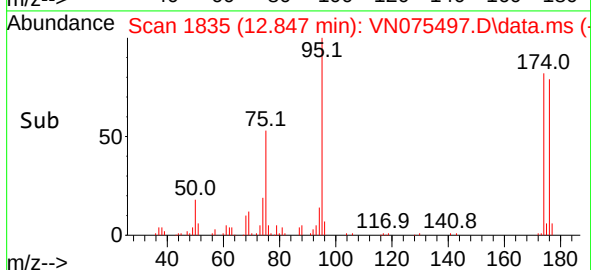
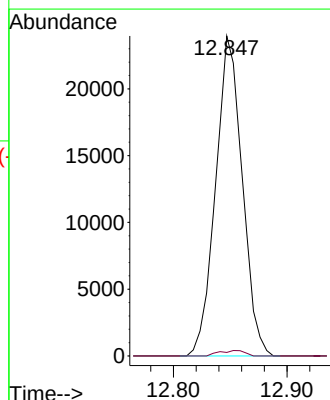
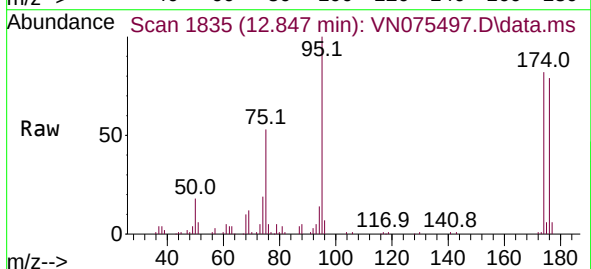
Acq: 30 Nov 2022 13:28

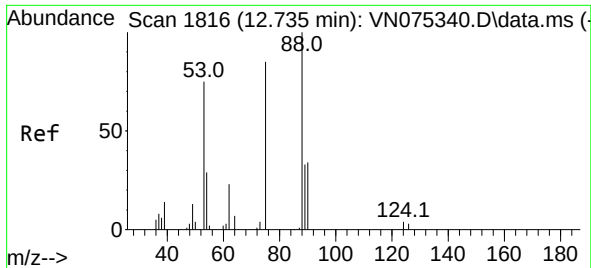
Tgt Ion: 75 Resp: 39058

Ion Ratio Lower Upper

75 100

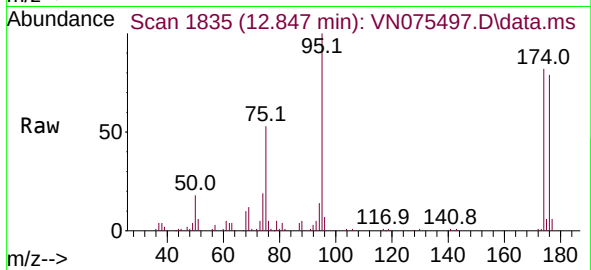
77 1.6 75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.407 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN075497.D
 Acq: 30 Nov 2022 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#01



Tgt Ion: 75 Resp: 39058
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

