

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075502.D
 Acq On : 30 Nov 2022 15:28
 Operator : JC\MD
 Sample : PB149341ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#06

Quant Time: Dec 01 02:16:30 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)

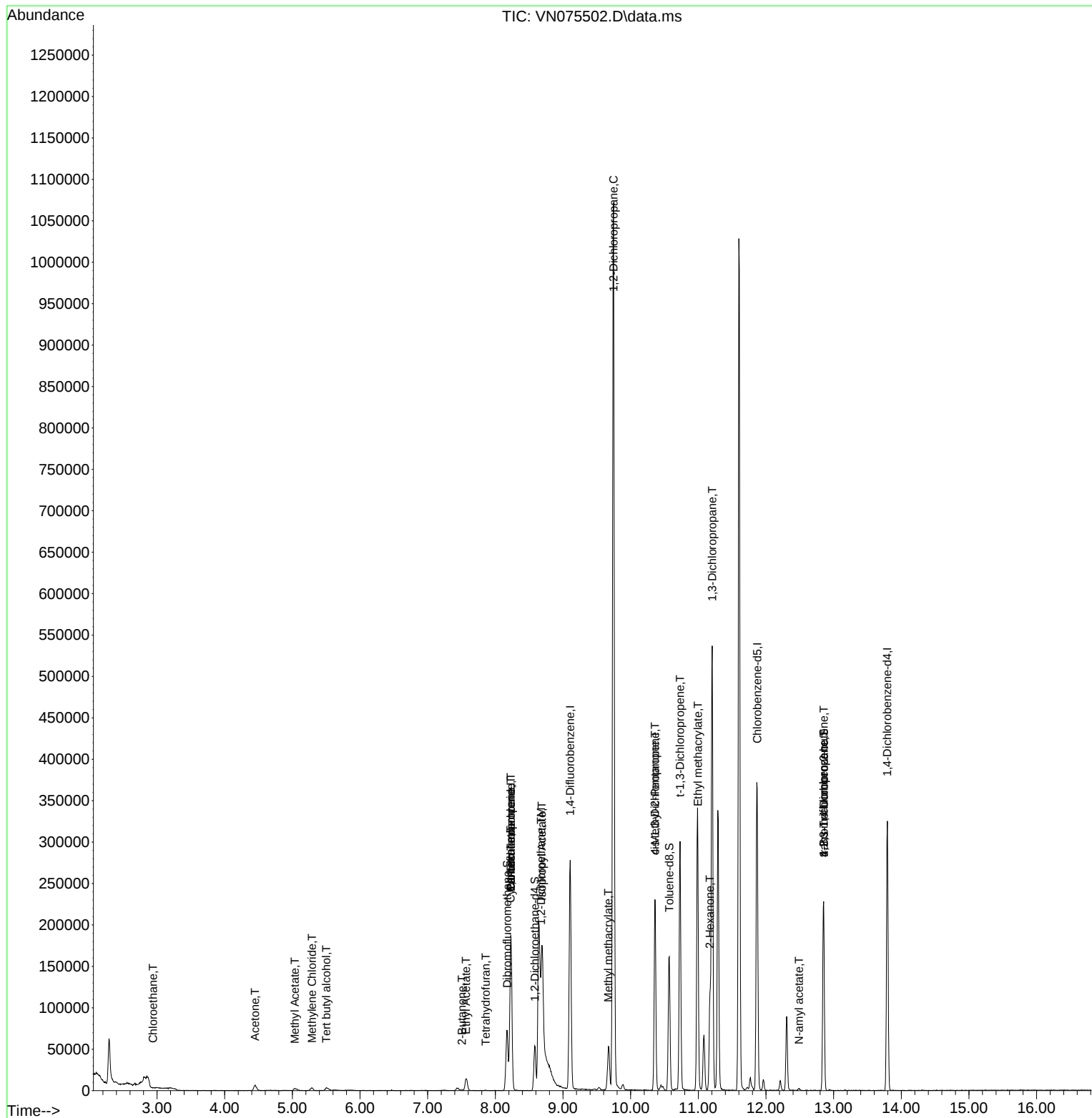
Internal Standards						
1) Pentafluorobenzene	8.229	168	140893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	252785	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	232295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	93932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	43238	57.171	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.340%			
35) Dibromofluoromethane	8.177	113	51440	51.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.600%			
50) Toluene-d8	10.571	98	114184	51.053	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.100%			
62) 4-Bromofluorobenzene	12.853	95	77923	47.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.400%			
Target Compounds						Qvalue
6) Chloroethane	2.942	64	312	0.244	ug/l #	45
11) Tert butyl alcohol	5.500	59	1563	4.923	ug/l #	72
16) Acetone	4.447	43	13001	18.430	ug/l	92
18) Methyl Acetate	5.036	43	5636	1.924	ug/l #	70
20) Methylene Chloride	5.289	84	2894	0.764	ug/l #	93
25) 2-Butanone	7.506	43	1465	1.487	ug/l #	82
29) Tetrahydrofuran	7.859	42	311	0.519	ug/l #	26
31) Cyclohexane	8.224	56	2707	1.127	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	10775	4.976	ug/l #	51
37) Ethyl Acetate	7.565	43	21378	10.964	ug/l #	96
38) Carbon Tetrachloride	8.229	117	14365	6.039	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	688	0.310	ug/l #	75
43) Isopropyl Acetate	8.688	43	240508	76.843	ug/l #	74
45) 1,2-Dichloropropane	9.747	63	1489	0.942	ug/l #	42
48) Methyl methacrylate	9.671	41	2875	1.987	ug/l #	6
51) 4-Methyl-2-Pentanone	10.359	43	79135	39.697	ug/l #	45
53) t-1,3-Dichloropropene	10.729	75	901	0.388	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	46070	18.257	ug/l #	62
56) Ethyl methacrylate	10.994	69	1025	0.436	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6329	2.231	ug/l #	42
59) 2-Hexanone	11.170	43	86433	57.741	ug/l #	21
74) N-amyl acetate	12.488	43	1204	0.571	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	40278	22.679	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	40278	67.102	ug/l #	10

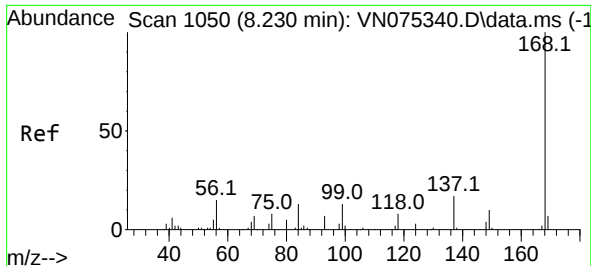
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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Quant Time: Dec 01 02:16:30 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

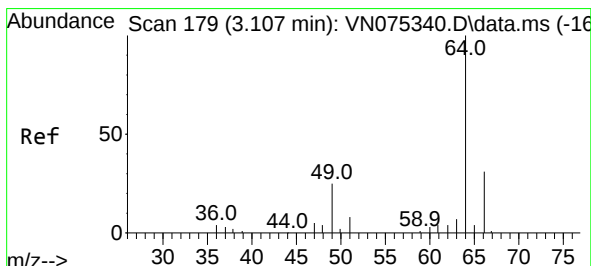
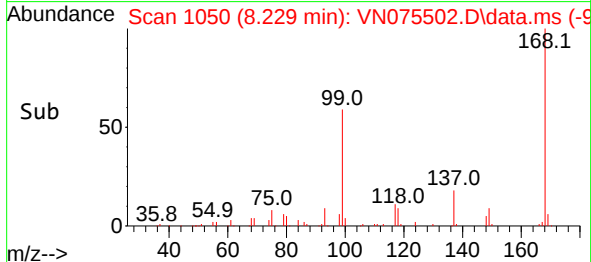
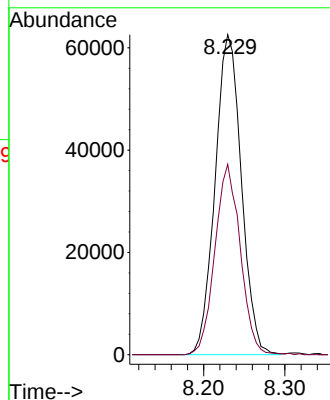
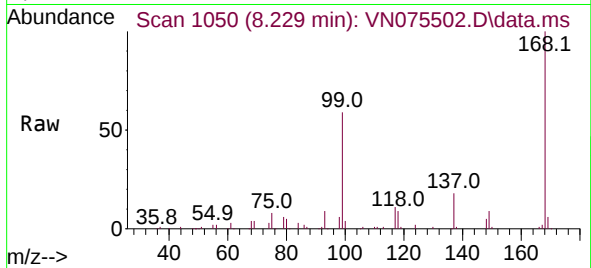




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

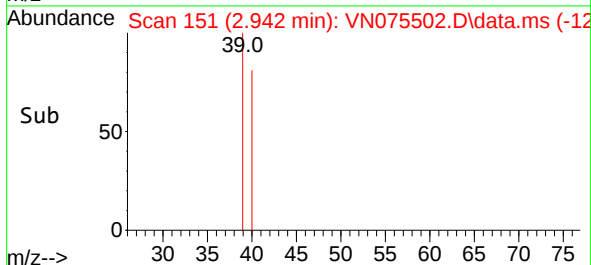
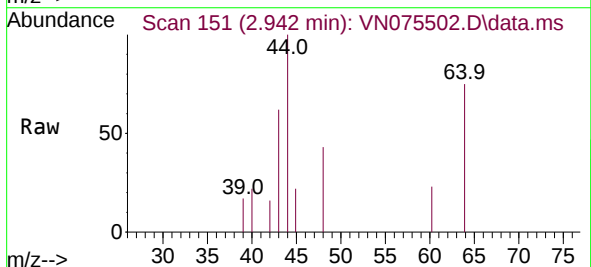
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

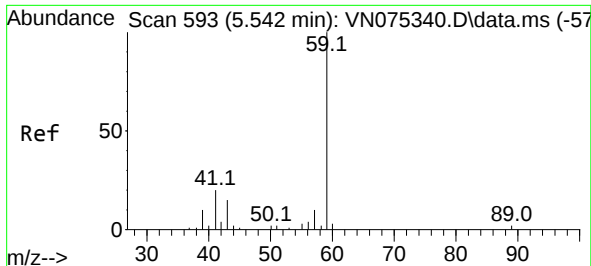
Tgt Ion:168 Resp: 140893
Ion Ratio Lower Upper
168 100
99 59.5 51.6 77.4



#6
Chloroethane
Concen: 0.244 ug/l
RT: 2.942 min Scan# 151
Delta R.T. -0.165 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 64 Resp: 312
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

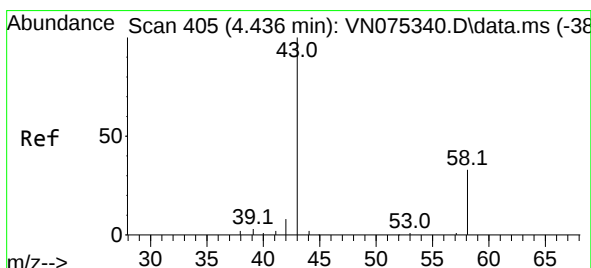
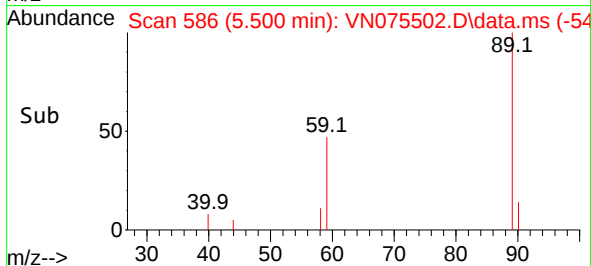
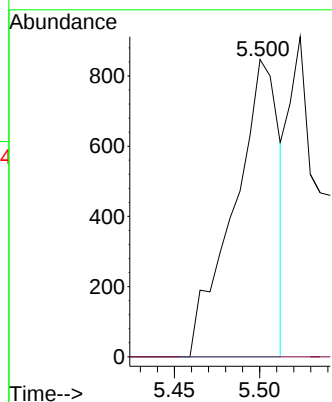
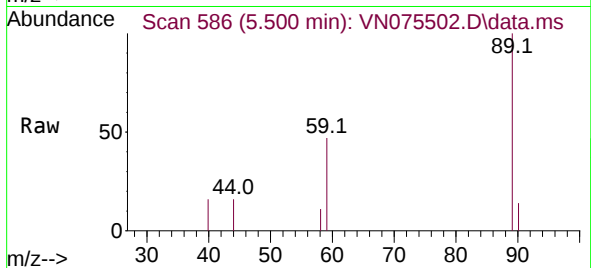




#11
Tert butyl alcohol
Concen: 4.923 ug/l
RT: 5.500 min Scan# 51
Delta R.T. -0.042 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

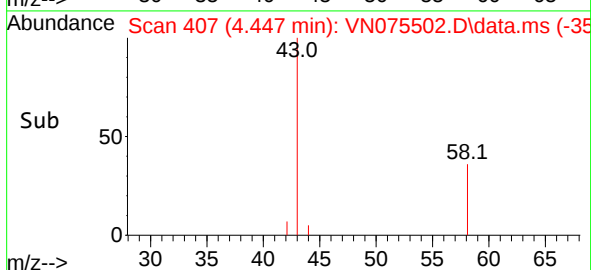
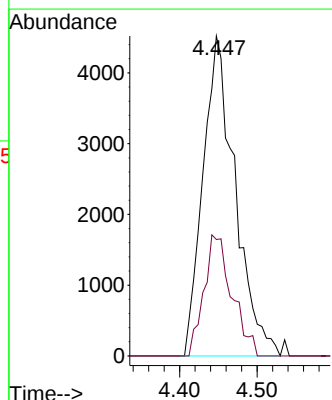
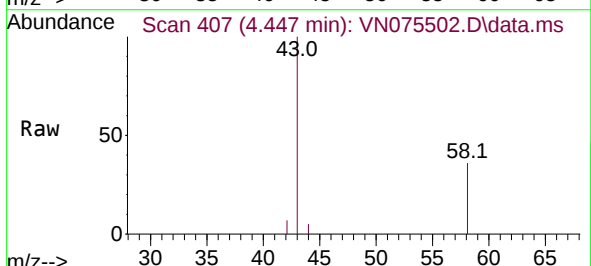
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

Tgt Ion: 59 Resp: 1563
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 18.430 ug/l
RT: 4.447 min Scan# 407
Delta R.T. 0.011 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 43 Resp: 13001
Ion Ratio Lower Upper
43 100
58 36.4 25.5 38.3

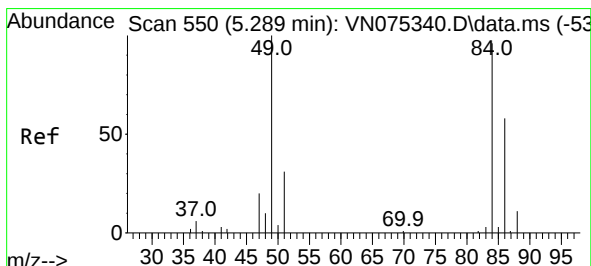
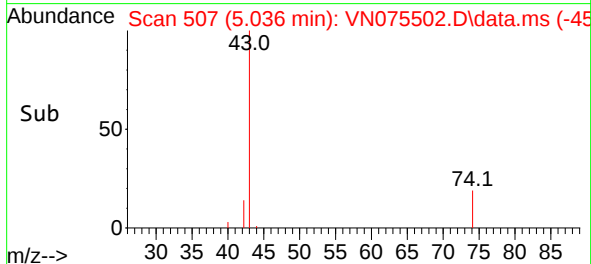
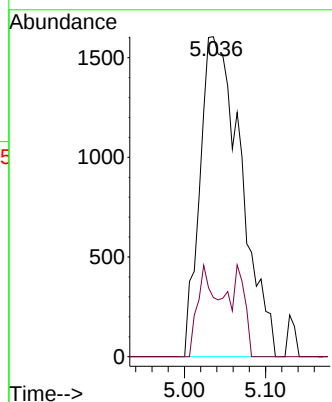
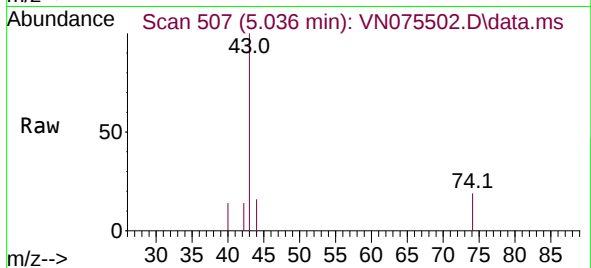




#18
Methyl Acetate
Concen: 1.924 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

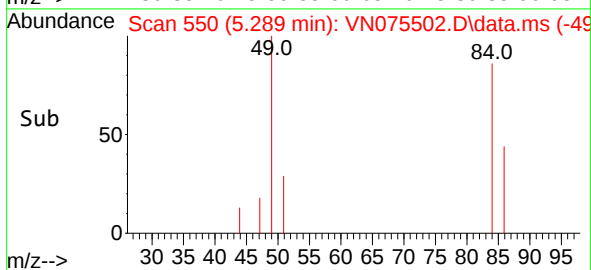
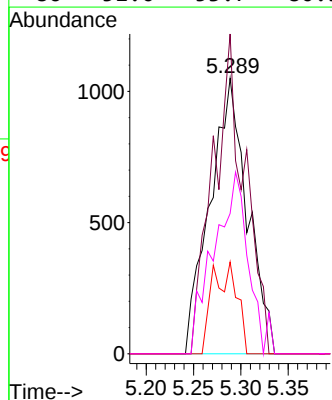
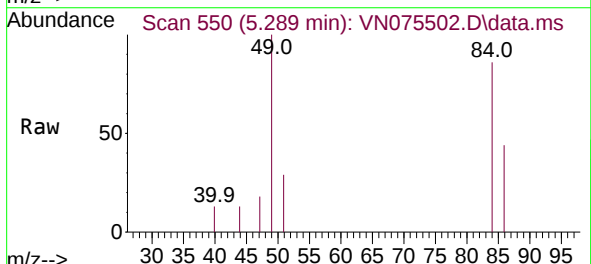
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

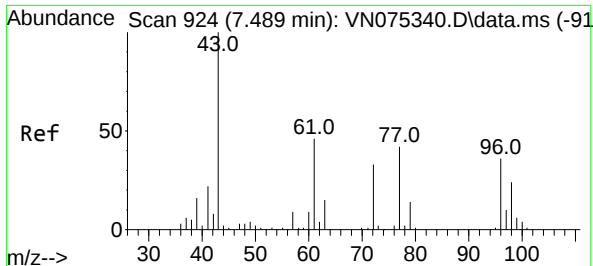
Tgt Ion: 43 Resp: 5636
Ion Ratio Lower Upper
43 100
74 11.8 22.0 33.0#



#20
Methylene Chloride
Concen: 0.764 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 84 Resp: 2894
Ion Ratio Lower Upper
84 100
49 116.1 94.9 142.3
51 33.3 26.8 40.2
86 51.0 53.7 80.5#





#25

2-Butanone

Concen: 1.487 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.017 min

Lab File: VN075502.D

Acq: 30 Nov 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

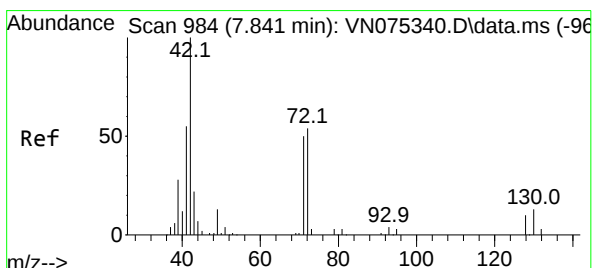
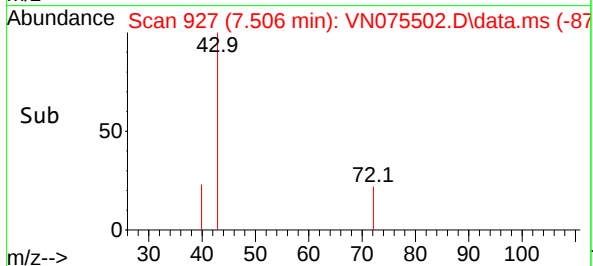
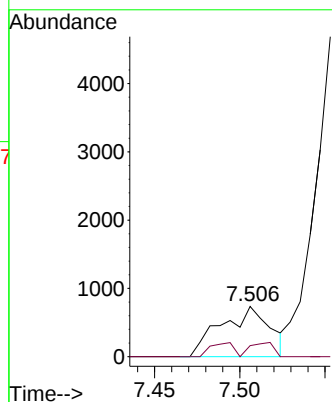
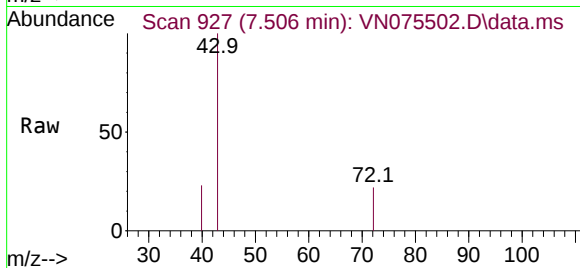
PB149341ZHE#06

Tgt Ion: 43 Resp: 1465

Ion Ratio Lower Upper

43 100

72 22.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.519 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.018 min

Lab File: VN075502.D

Acq: 30 Nov 2022 15:28

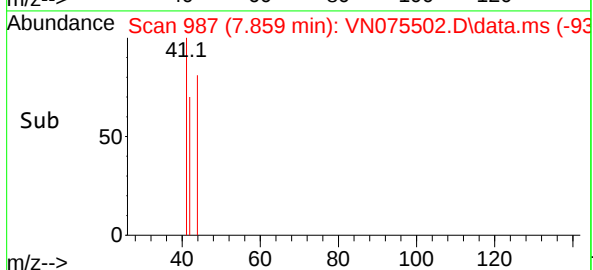
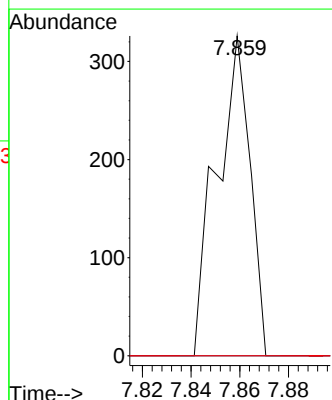
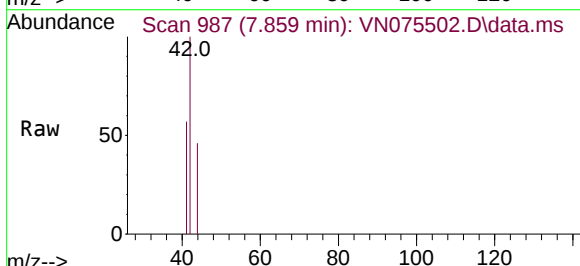
Tgt Ion: 42 Resp: 311

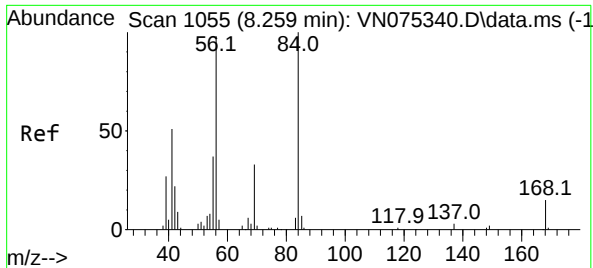
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.6#

71 0.0 39.9 59.9#

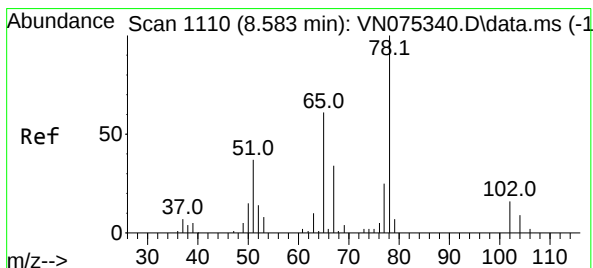
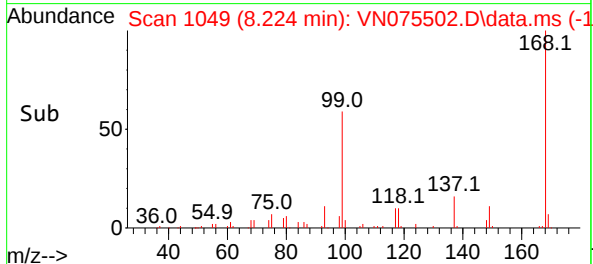
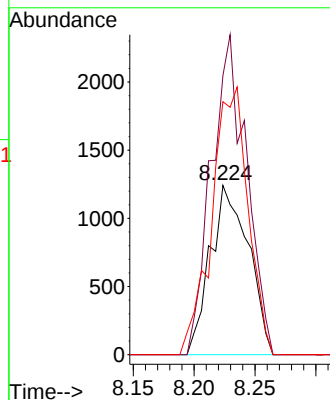
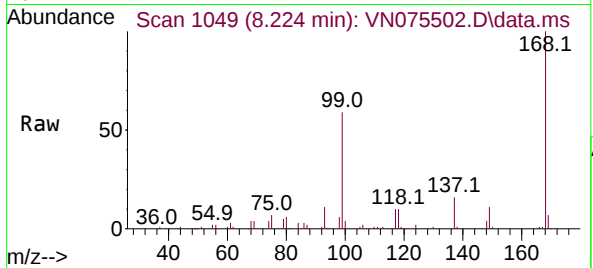




#31
Cyclohexane
Concen: 1.127 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

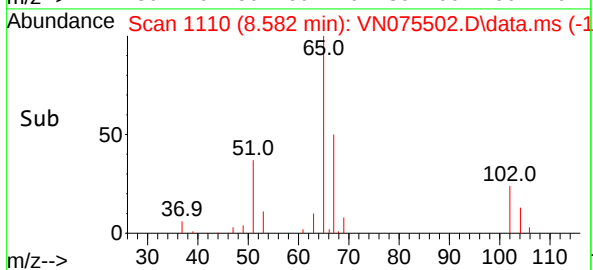
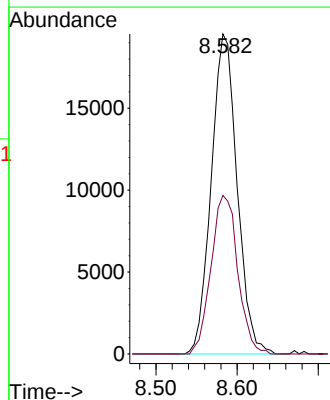
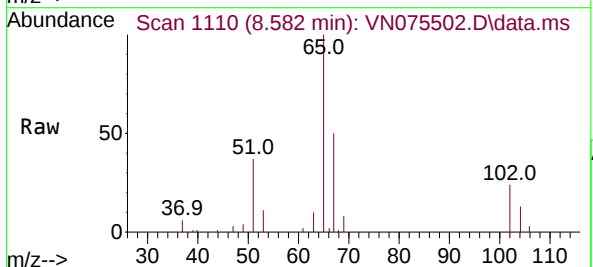
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

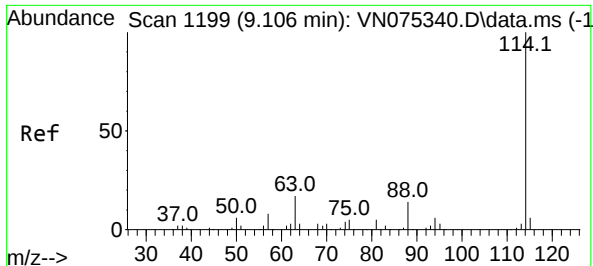
Tgt Ion: 56 Resp: 2707
Ion Ratio Lower Upper
56 100
69 164.8 25.2 37.8#
84 149.4 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 57.171 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 65 Resp: 43238
Ion Ratio Lower Upper
65 100
67 51.3 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: VN075502.D

Acq: 30 Nov 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#06

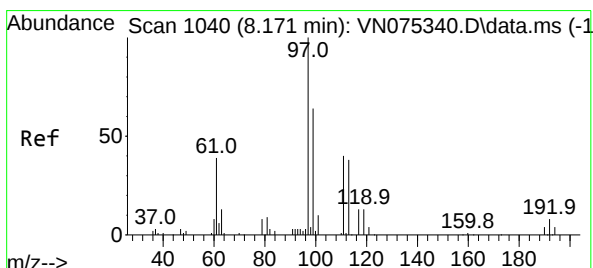
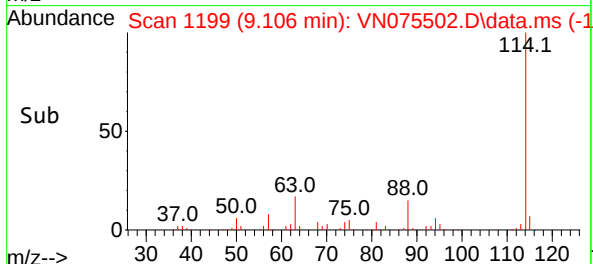
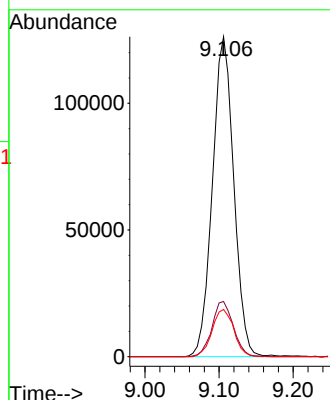
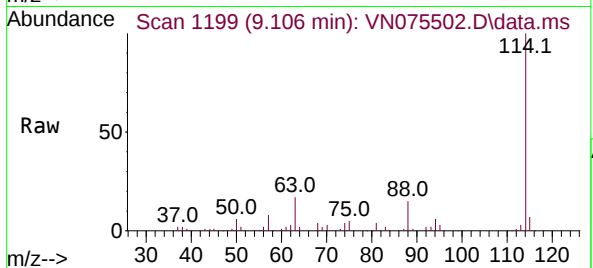
Tgt Ion:114 Resp: 252785

Ion Ratio Lower Upper

114 100

63 17.3 0.0 39.6

88 14.8 0.0 29.0



#35

Dibromofluoromethane

Concen: 51.801 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075502.D

Acq: 30 Nov 2022 15:28

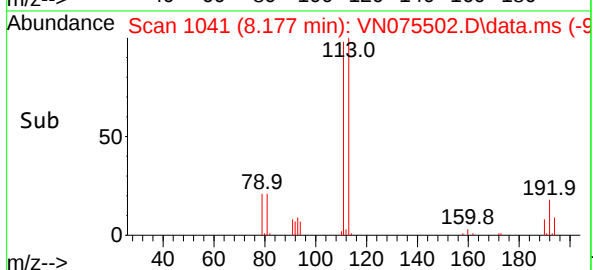
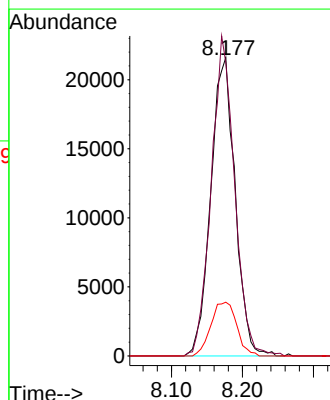
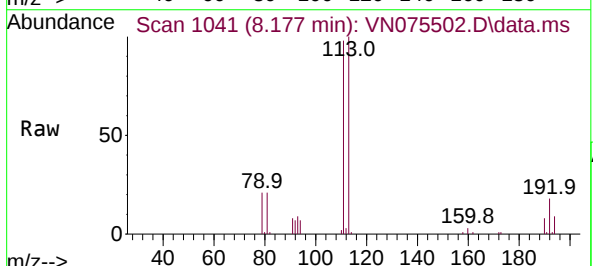
Tgt Ion:113 Resp: 51440

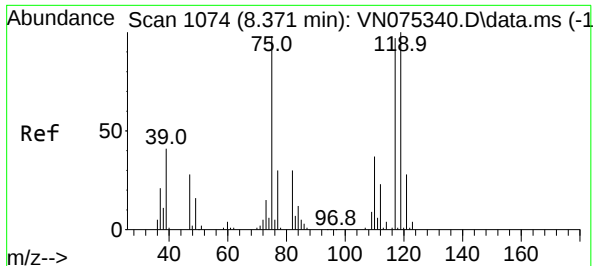
Ion Ratio Lower Upper

113 100

111 102.6 80.5 120.7

192 19.1 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.976 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.142 min

Lab File: VN075502.D

Acq: 30 Nov 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#06

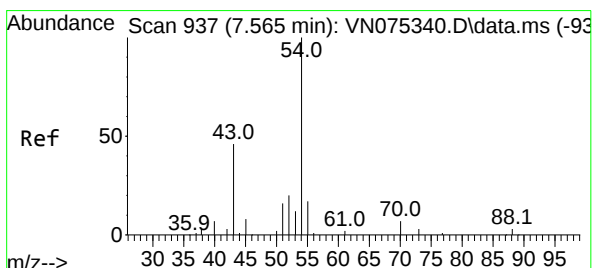
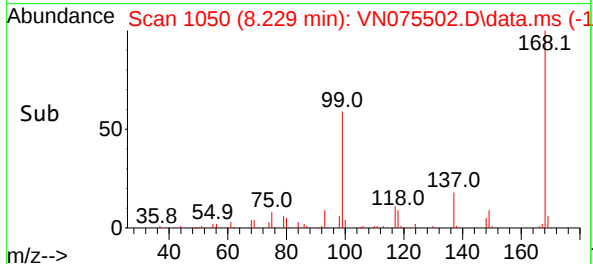
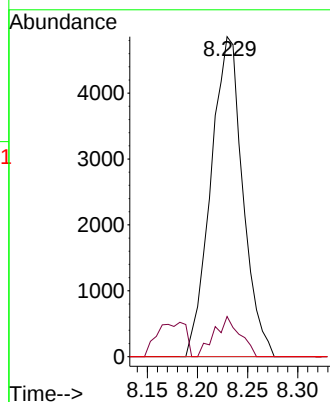
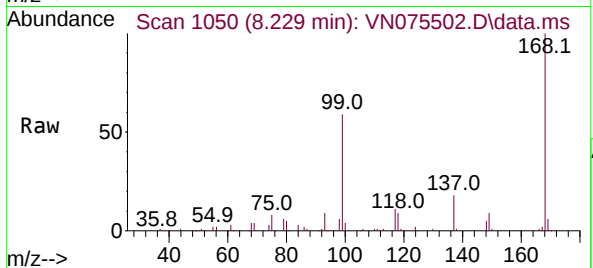
Tgt Ion: 75 Resp: 10775

Ion Ratio Lower Upper

75 100

110 10.0 17.8 53.3#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 10.964 ug/l

RT: 7.565 min Scan# 937

Delta R.T. -0.000 min

Lab File: VN075502.D

Acq: 30 Nov 2022 15:28

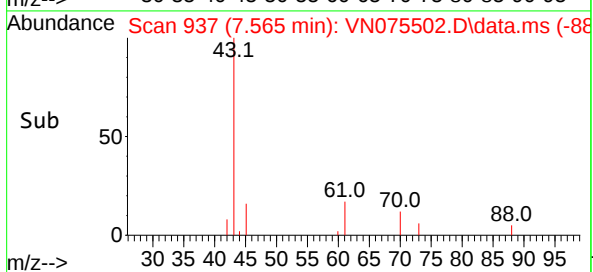
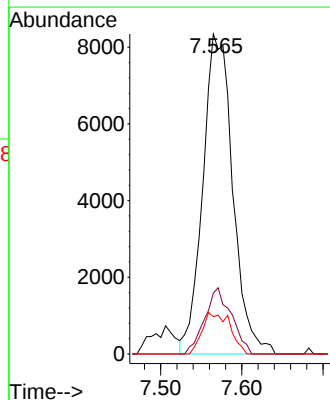
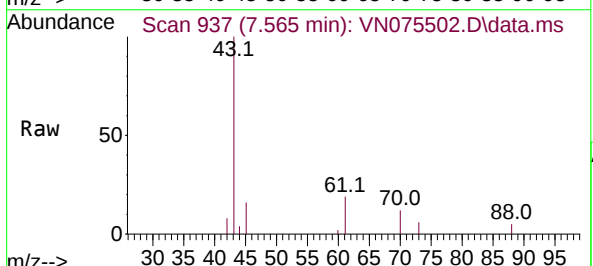
Tgt Ion: 43 Resp: 21378

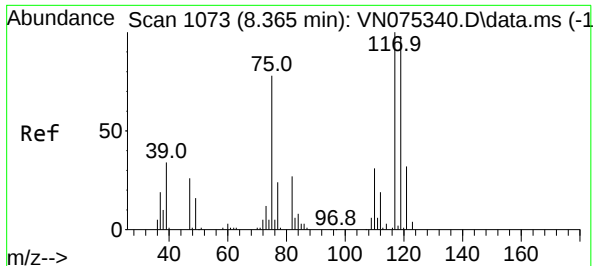
Ion Ratio Lower Upper

43 100

61 18.4 12.2 18.4#

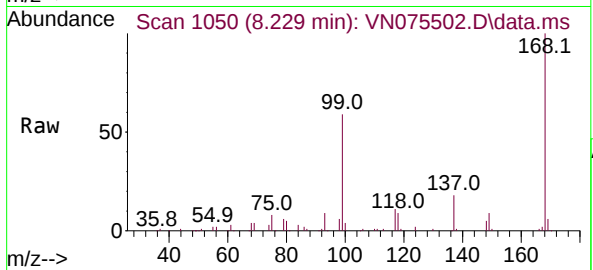
70 12.0 9.4 14.2



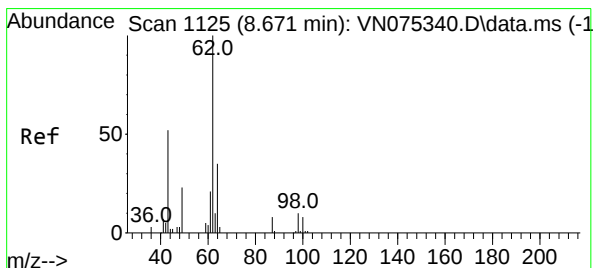
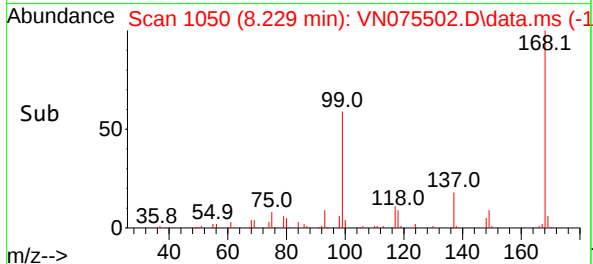
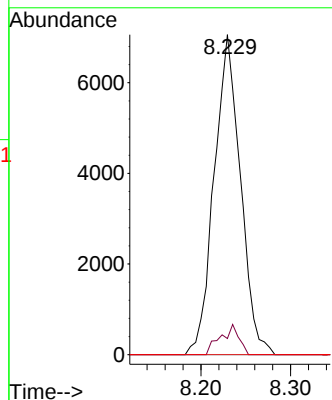


#38
Carbon Tetrachloride
Concen: 6.039 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

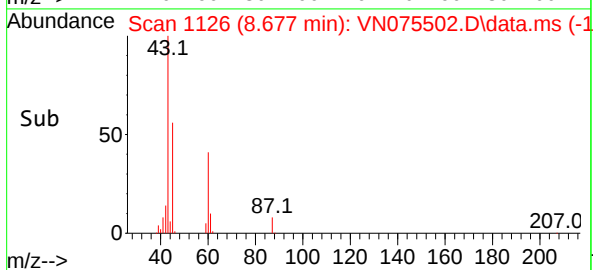
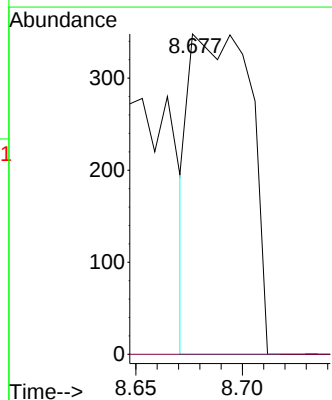
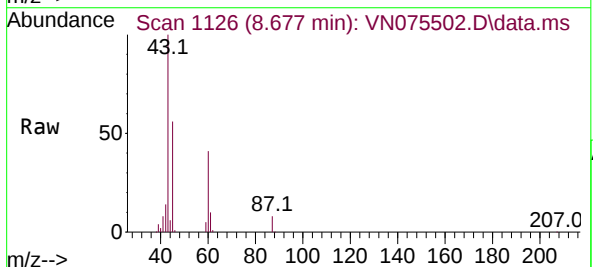


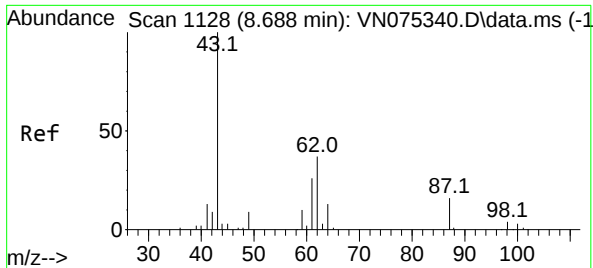
Tgt Ion:117 Resp: 14365
Ion Ratio Lower Upper
117 100
119 5.1 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.310 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 62 Resp: 688
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

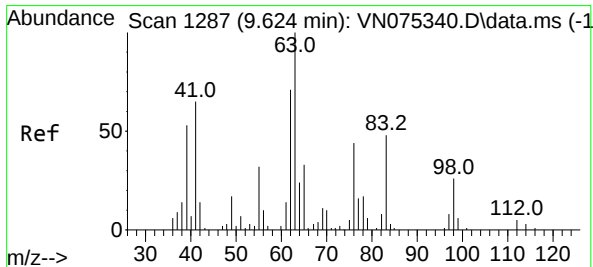
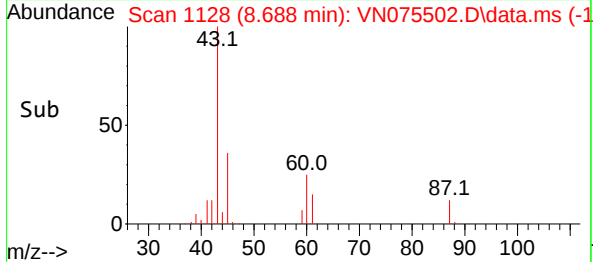
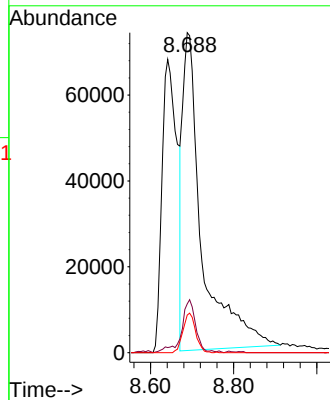
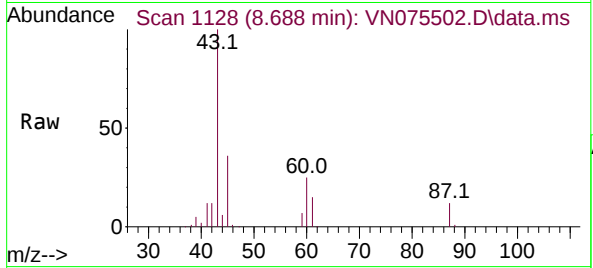




#43
Isopropyl Acetate
Concen: 76.843 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

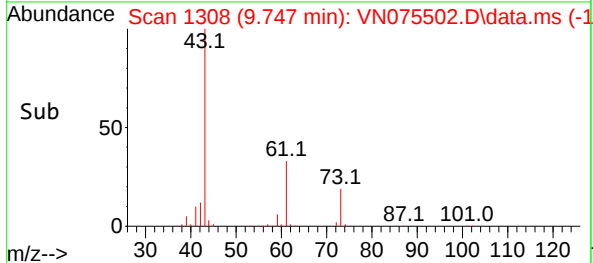
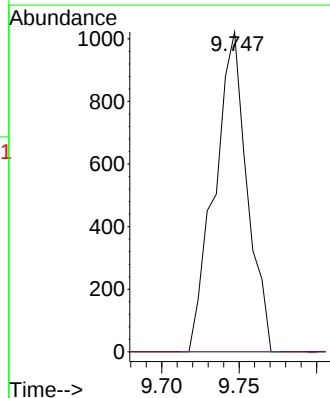
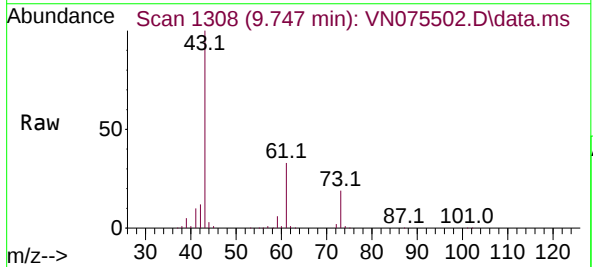
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

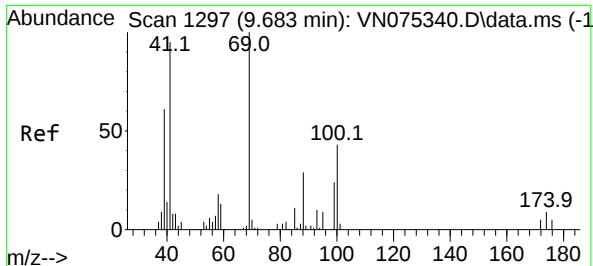
Tgt Ion: 43 Resp: 240508
Ion Ratio Lower Upper
43 100
61 12.3 22.4 33.6#
87 8.1 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.942 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 63 Resp: 1489
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.987 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075502.D

Acq: 30 Nov 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#06

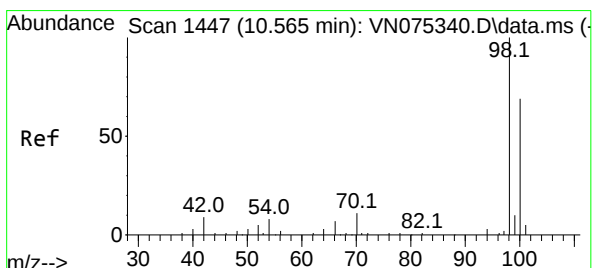
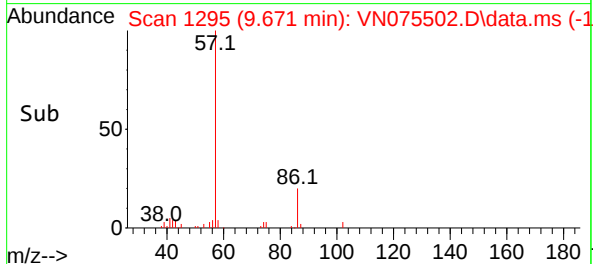
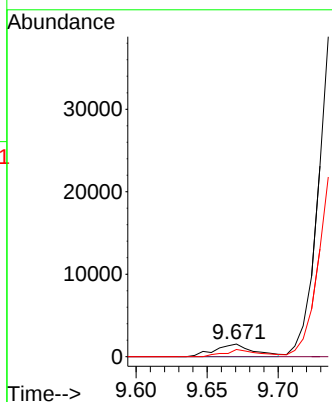
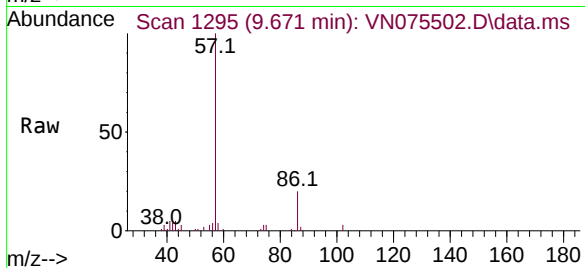
Tgt Ion: 41 Resp: 2875

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 0.0 56.2 84.2#



#50

Toluene-d8

Concen: 51.053 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075502.D

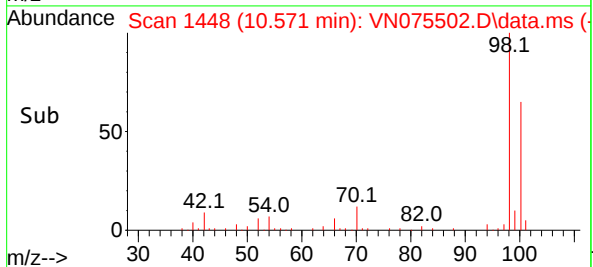
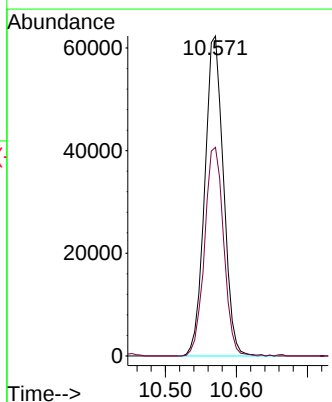
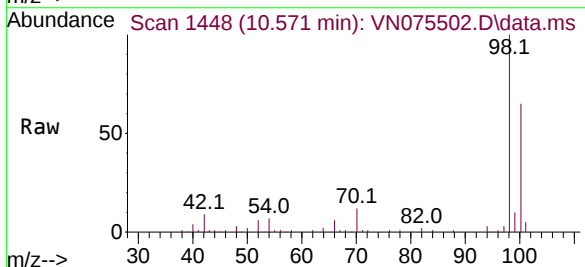
Acq: 30 Nov 2022 15:28

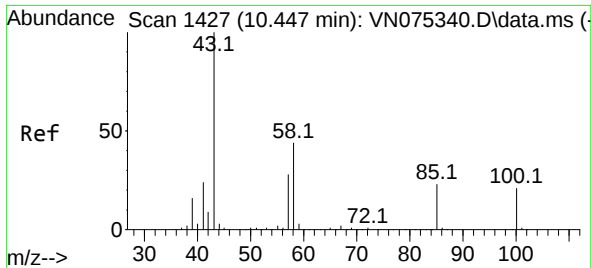
Tgt Ion: 98 Resp: 114184

Ion Ratio Lower Upper

98 100

100 66.5 53.0 79.6

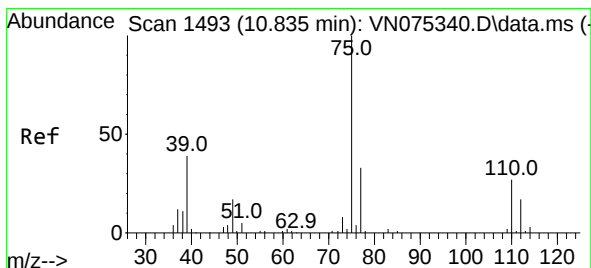
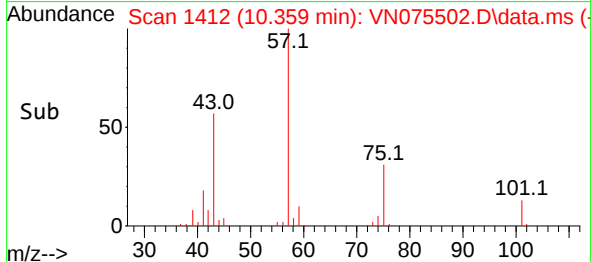
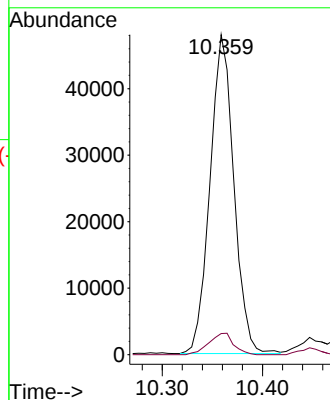
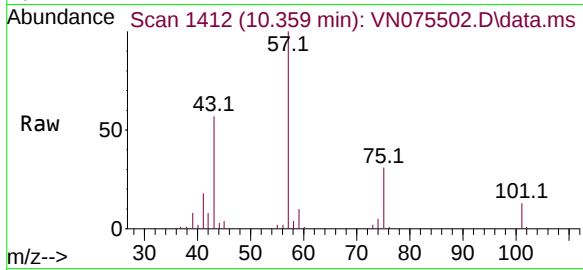




#51
4-Methyl-2-Pentanone
Concen: 39.697 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

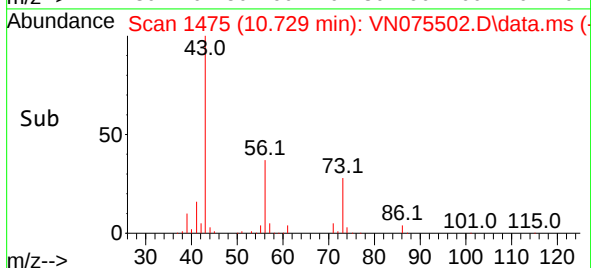
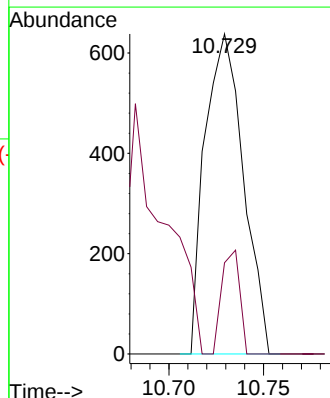
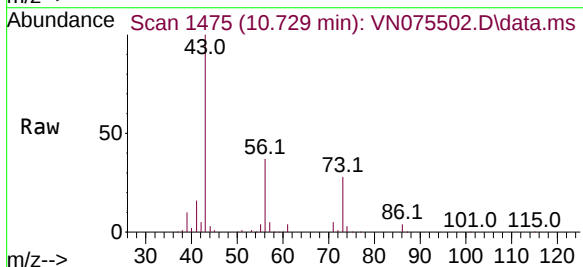
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

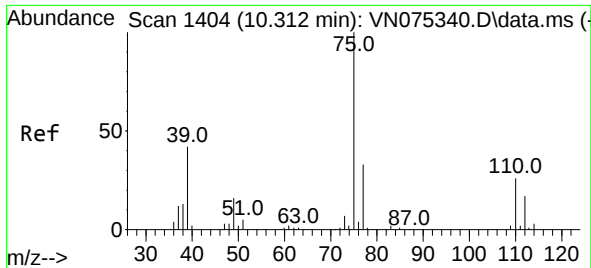
Tgt Ion: 43 Resp: 79135
Ion Ratio Lower Upper
43 100
58 7.0 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.388 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 75 Resp: 901
Ion Ratio Lower Upper
75 100
77 28.5 25.4 38.2

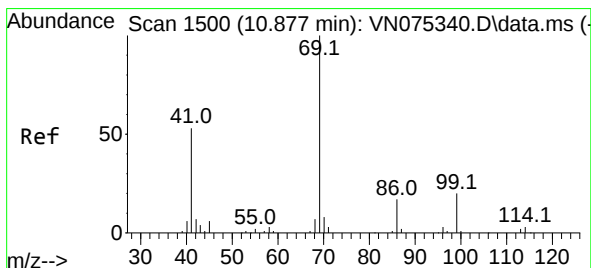
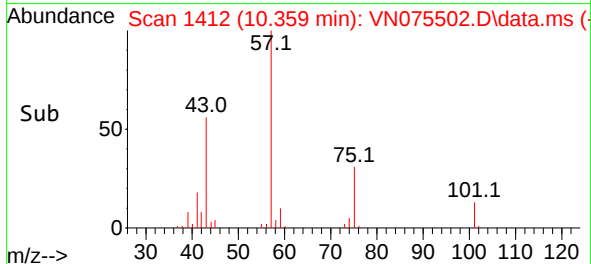
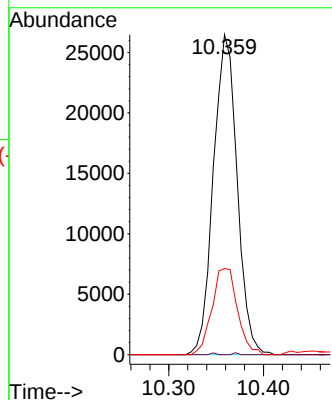
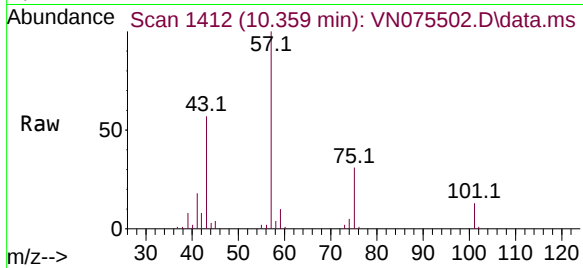




#54
 cis-1,3-Dichloropropene
 Concen: 18.257 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN075502.D
 Acq: 30 Nov 2022 15:28

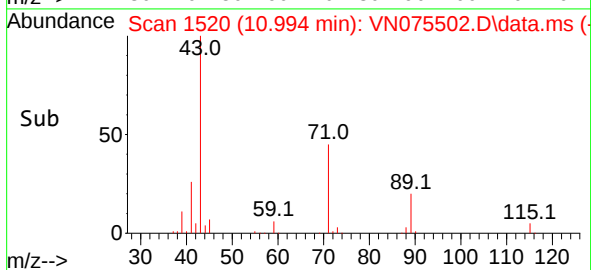
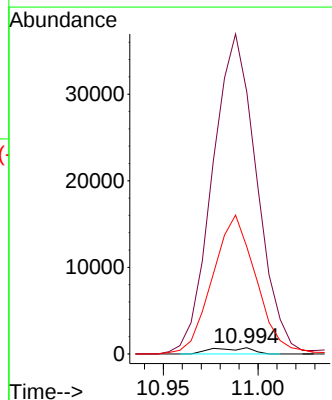
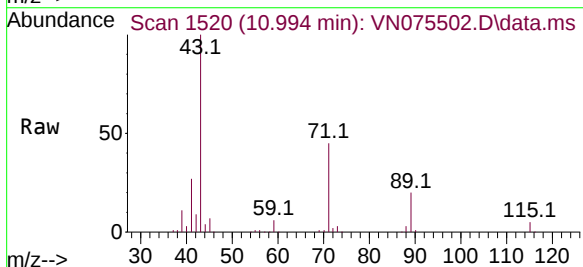
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#06

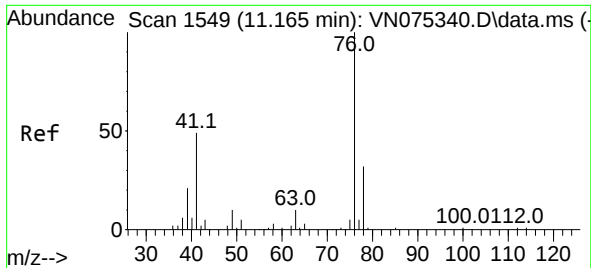
Tgt Ion: 75 Resp: 46070
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 26.9 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.436 ug/l
 RT: 10.994 min Scan# 1520
 Delta R.T. 0.117 min
 Lab File: VN075502.D
 Acq: 30 Nov 2022 15:28

Tgt Ion: 69 Resp: 1025
 Ion Ratio Lower Upper
 69 100
 41 5930.3 45.6 68.4#
 39 2528.9 28.5 42.7#

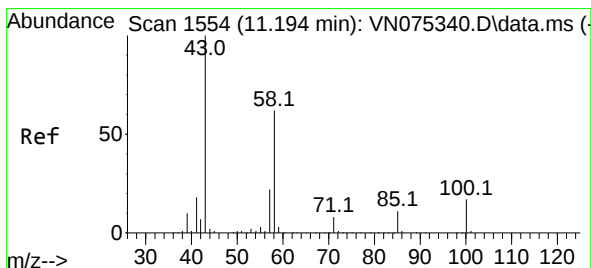
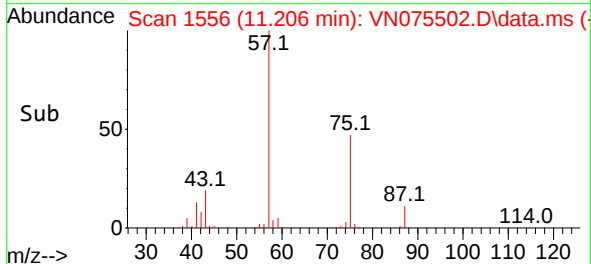
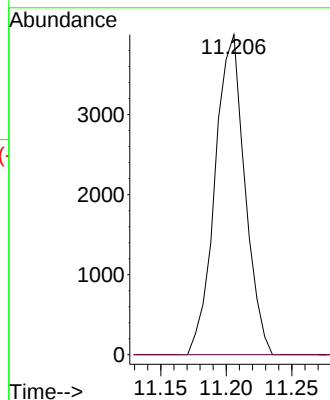
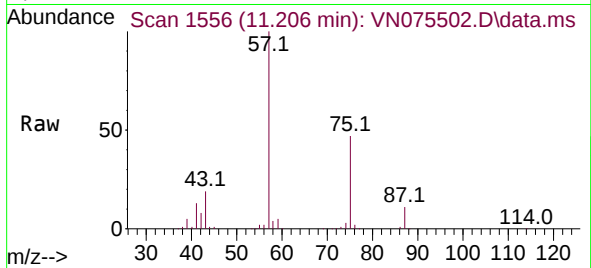




#57
1,3-Dichloropropane
Concen: 2.231 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

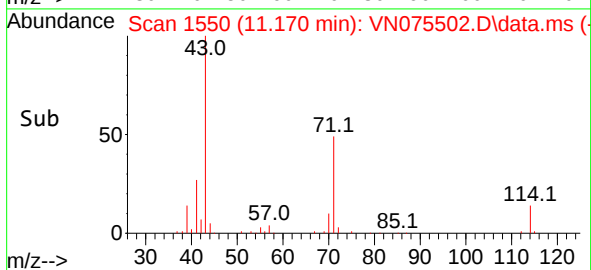
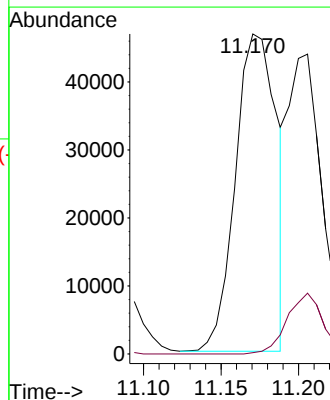
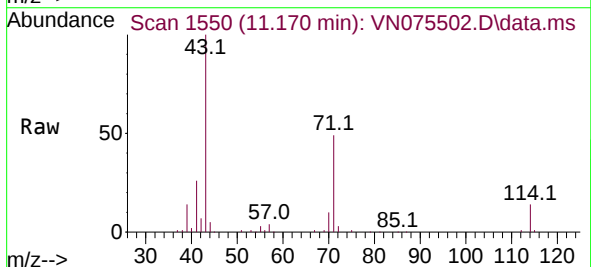
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

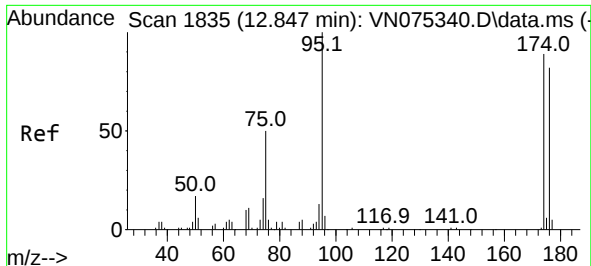
Tgt Ion: 76 Resp: 6329
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#



#59
2-Hexanone
Concen: 57.741 ug/l
RT: 11.170 min Scan# 1550
Delta R.T. -0.024 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 43 Resp: 86433
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#

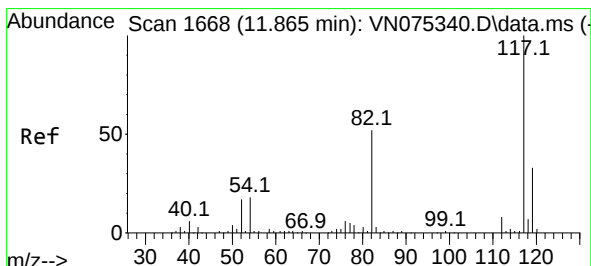
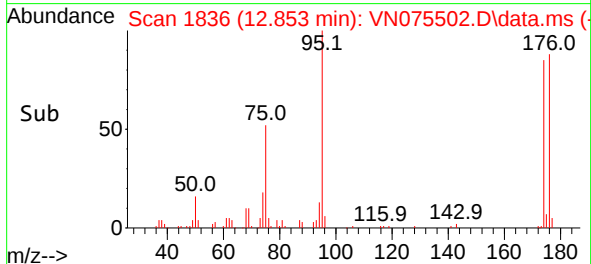
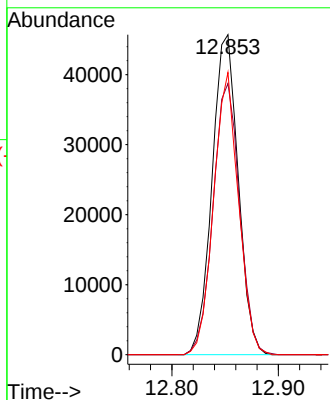
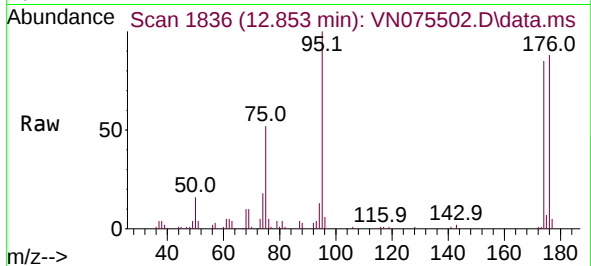




#62
4-Bromofluorobenzene
Concen: 47.202 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

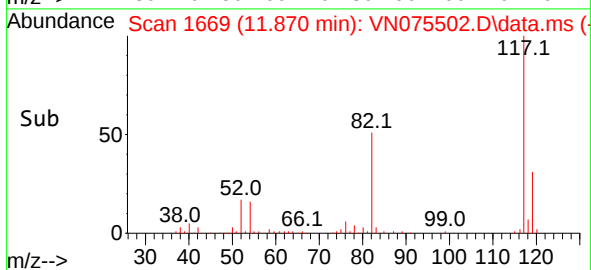
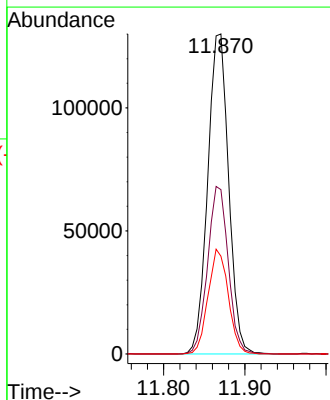
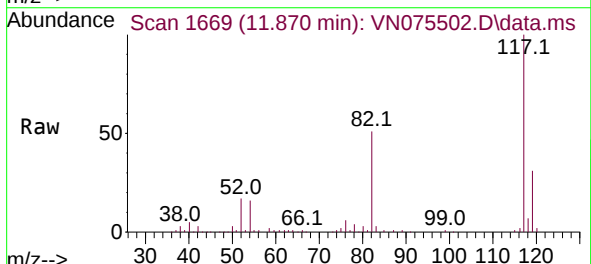
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

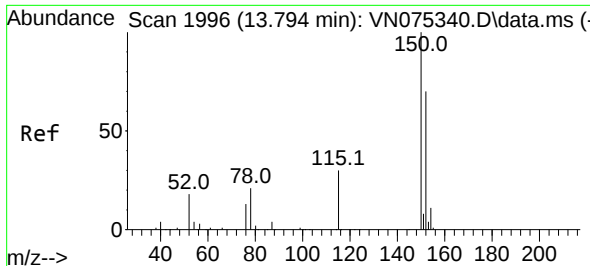
Tgt Ion: 95 Resp: 77923
Ion Ratio Lower Upper
95 100
174 85.6 0.0 147.4
176 83.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 117 Resp: 232295
Ion Ratio Lower Upper
117 100
82 51.4 43.1 64.7
119 30.5 25.5 38.3

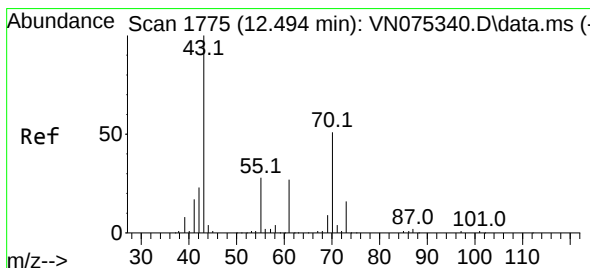
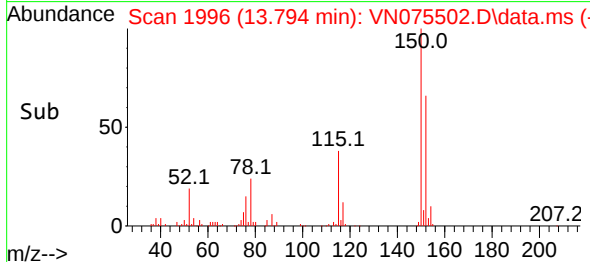
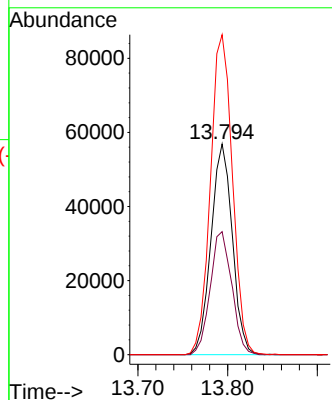
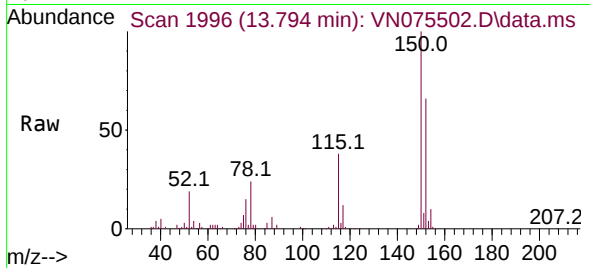




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

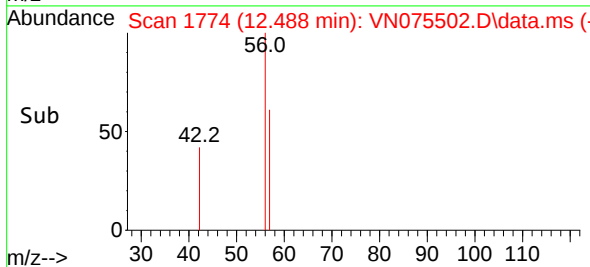
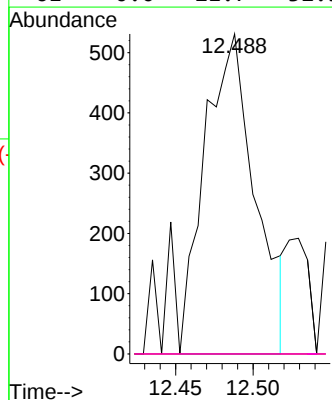
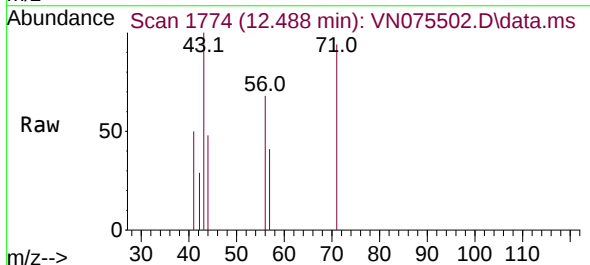
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

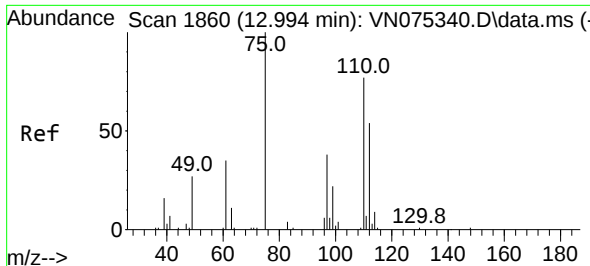
Tgt Ion:152 Resp: 93932
Ion Ratio Lower Upper
152 100
115 58.9 30.2 90.6
150 156.4 0.0 348.4



#74
N-ethyl acetate
Concen: 0.571 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 43 Resp: 1204
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#

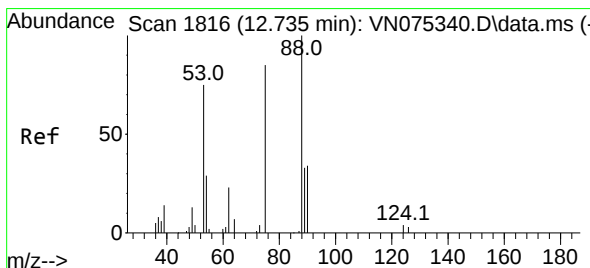
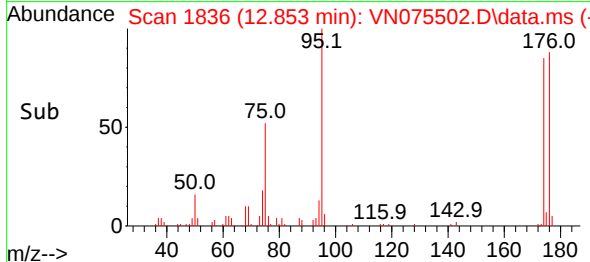
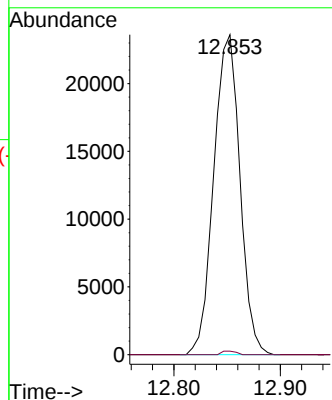
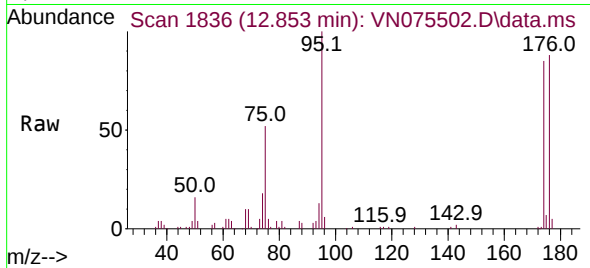




#76
1,2,3-Trichloropropane
Concen: 22.679 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#06

Tgt Ion: 75 Resp: 40278
Ion Ratio Lower Upper
75 100
77 0.6 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.102 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075502.D
Acq: 30 Nov 2022 15:28

Tgt Ion: 75 Resp: 40278
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

