

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN113022\
 Data File : VN075498.D
 Acq On : 30 Nov 2022 13:52
 Operator : JC\MD
 Sample : PB149341ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#02

Quant Time: Dec 01 02:15:16 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

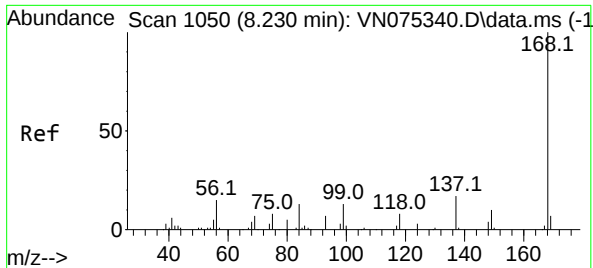
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	161744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	48791	56.197	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.400%	
35) Dibromofluoromethane	8.171	113	59590	52.756	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.520%	
50) Toluene-d8	10.571	98	133310	52.401	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	12.847	95	89798	47.821	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.640%	
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	355	0.242	ug/l #	45
11) Tert butyl alcohol	5.518	59	2952	8.099	ug/l #	72
16) Acetone	4.448	43	12694	15.675	ug/l	97
18) Methyl Acetate	5.053	43	4347	0.856	ug/l #	67
20) Methylene Chloride	5.295	84	2914	0.509	ug/l #	78
25) 2-Butanone	7.483	43	919	0.813	ug/l #	43
29) Tetrahydrofuran	7.859	42	472	0.686	ug/l #	50
31) Cyclohexane	8.230	56	2988	1.083	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	11613	4.714	ug/l #	50
37) Ethyl Acetate	7.565	43	22044	9.939	ug/l #	90
38) Carbon Tetrachloride	8.224	117	16010	5.917	ug/l #	16
42) 1,2-Dichloroethane	8.683	62	917	0.363	ug/l #	75
43) Isopropyl Acetate	8.688	43	276436	77.647	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1383	0.770	ug/l #	42
48) Methyl methacrylate	9.671	41	2833	1.721	ug/l #	35
51) 4-Methyl-2-Pentanone	10.359	43	77623	34.232	ug/l #	44
53) t-1,3-Dichloropropene	10.741	75	802	0.303	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	44041	15.343	ug/l #	63
56) Ethyl methacrylate	10.988	69	1081	0.404	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5813	1.801	ug/l #	42
59) 2-Hexanone	11.171	43	87563	51.426	ug/l #	21
74) N-amyl acetate	12.488	43	898	0.375	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	45796	22.711	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	45796	67.196	ug/l #	10

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

Quant Time: Dec 01 02:15:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

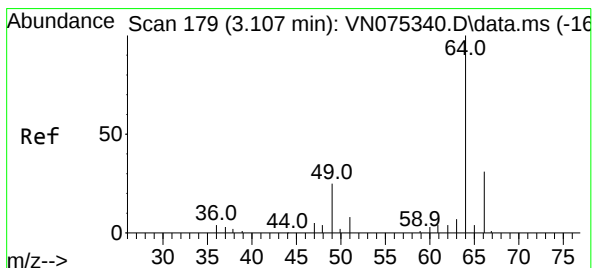
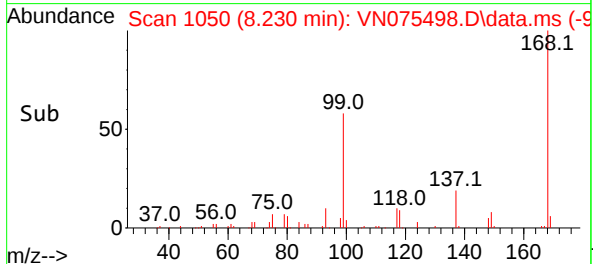
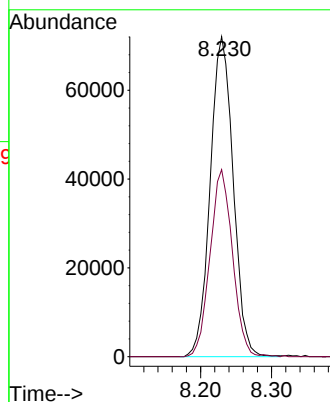
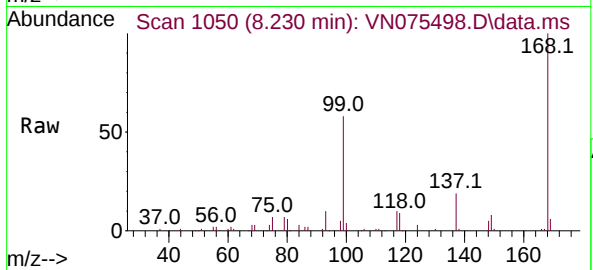




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

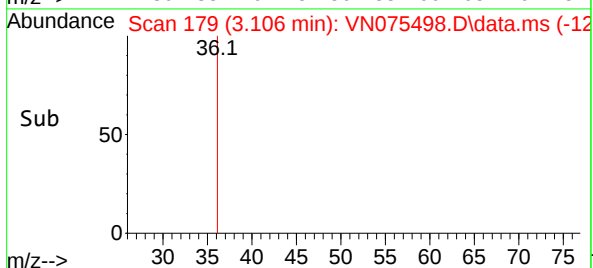
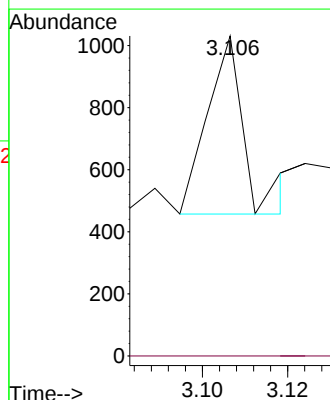
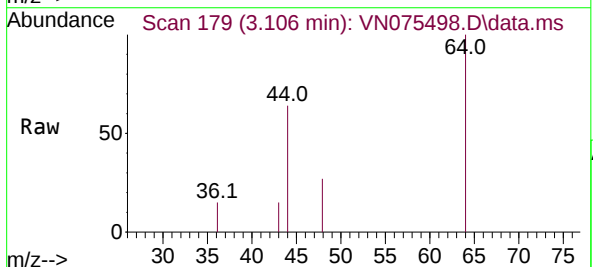
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

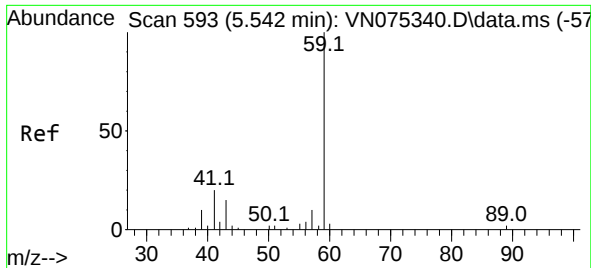
Tgt Ion:168 Resp: 161744
Ion Ratio Lower Upper
168 100
99 58.5 51.6 77.4



#6
Chloroethane
Concen: 0.242 ug/l
RT: 3.106 min Scan# 179
Delta R.T. -0.001 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 64 Resp: 355
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

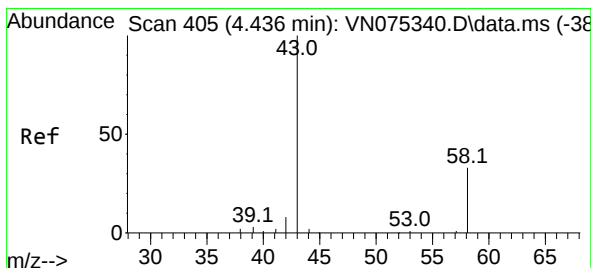
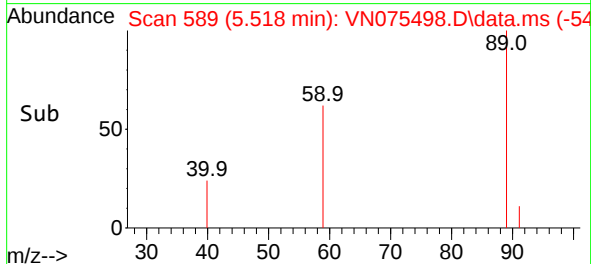
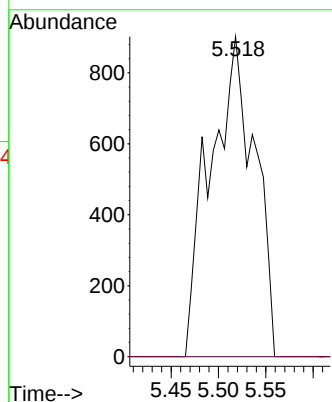
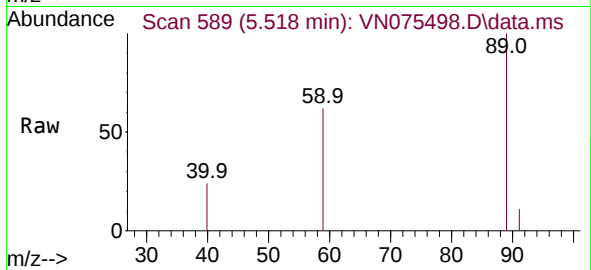




#11
Tert butyl alcohol
Concen: 8.099 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

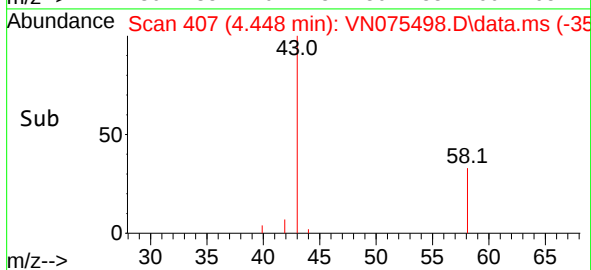
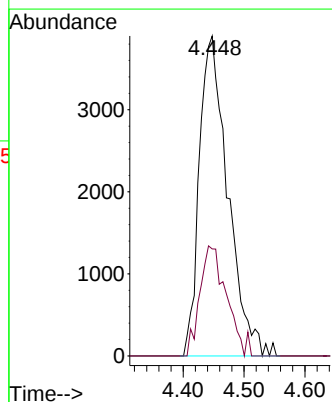
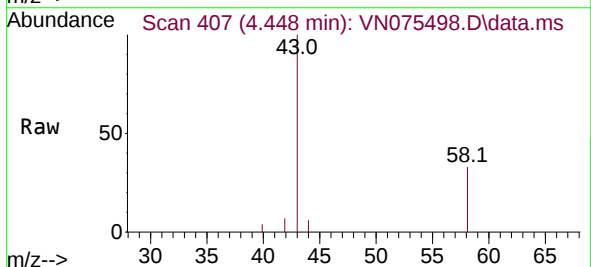
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

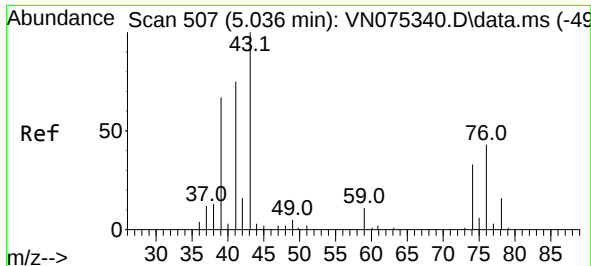
Tgt Ion: 59 Resp: 2952
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 15.675 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 43 Resp: 12694
Ion Ratio Lower Upper
43 100
58 33.5 25.5 38.3

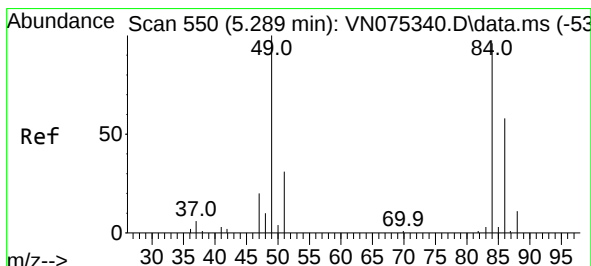
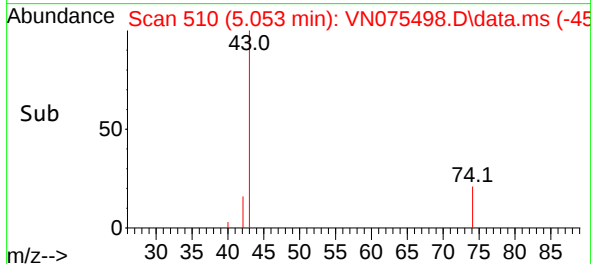
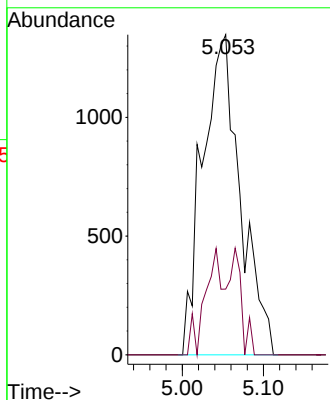
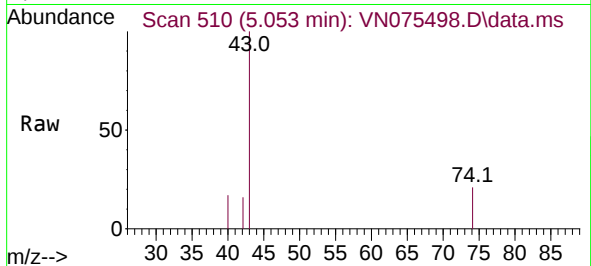




#18
Methyl Acetate
Concen: 0.856 ug/l
RT: 5.053 min Scan# 511
Delta R.T. 0.017 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

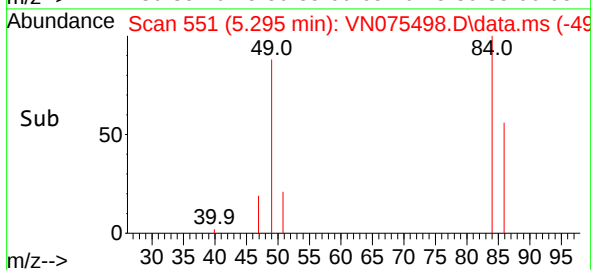
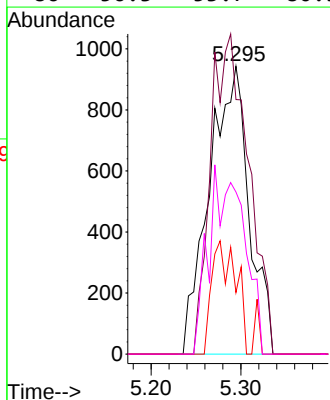
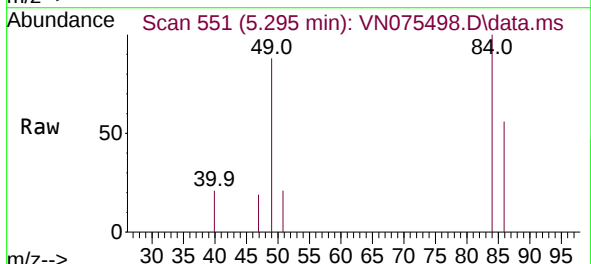
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

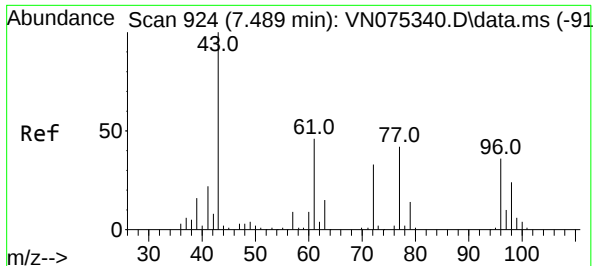
Tgt Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
74 10.3 22.0 33.0#



#20
Methylene Chloride
Concen: 0.509 ug/l
RT: 5.295 min Scan# 551
Delta R.T. 0.006 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 84 Resp: 2914
Ion Ratio Lower Upper
84 100
49 88.4 94.9 142.3#
51 21.4 26.8 40.2#
86 56.3 53.7 80.5





#25

2-Butanone

Concen: 0.813 ug/l

RT: 7.483 min Scan# 919

Delta R.T. -0.006 min

Lab File: VN075498.D

Acq: 30 Nov 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

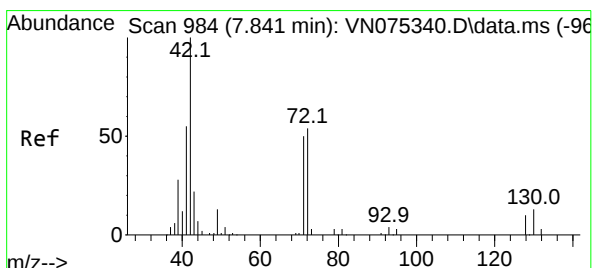
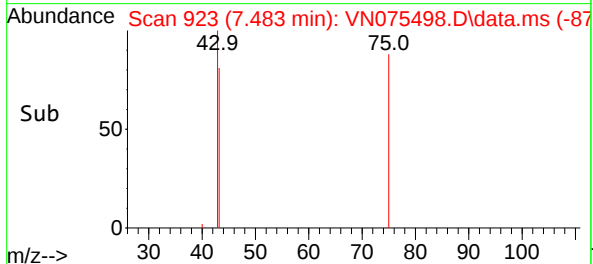
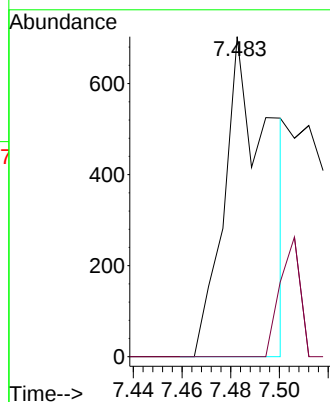
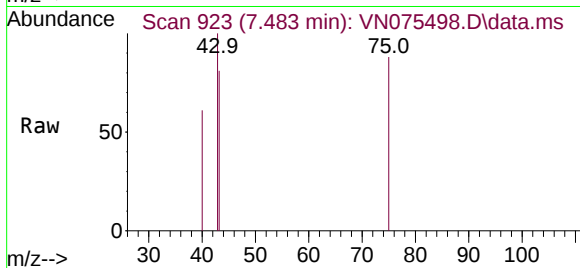
PB149341ZHE#02

Tgt Ion: 43 Resp: 919

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#29

Tetrahydrofuran

Concen: 0.686 ug/l

RT: 7.859 min Scan# 987

Delta R.T. 0.018 min

Lab File: VN075498.D

Acq: 30 Nov 2022 13:52

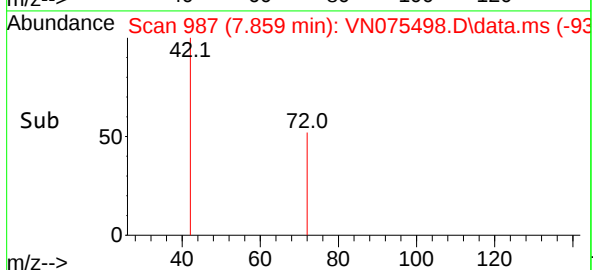
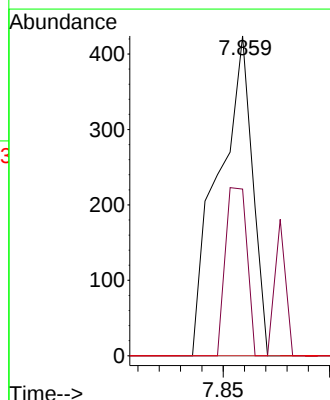
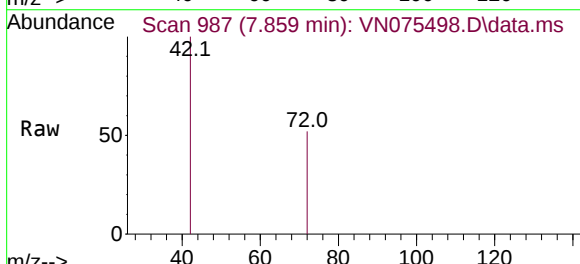
Tgt Ion: 42 Resp: 472

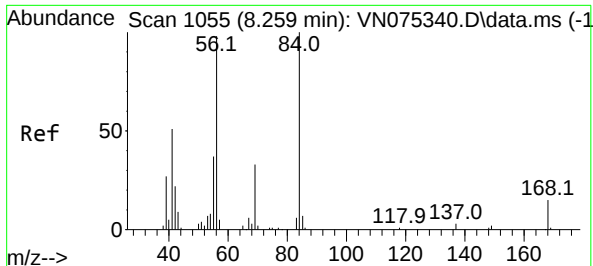
Ion Ratio Lower Upper

42 100

72 33.3 43.0 64.6#

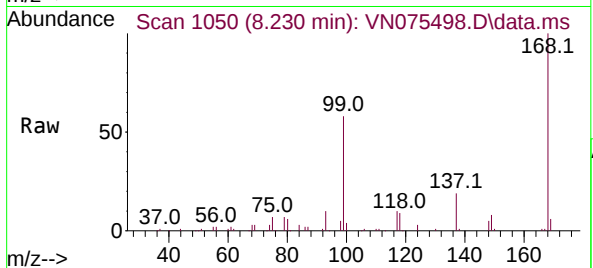
71 0.0 39.9 59.9#



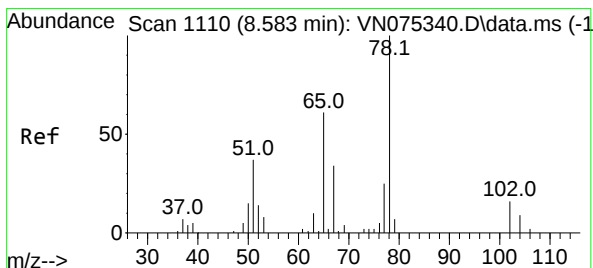
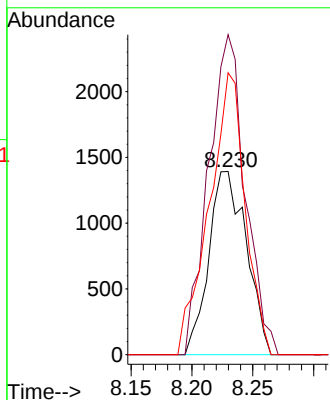
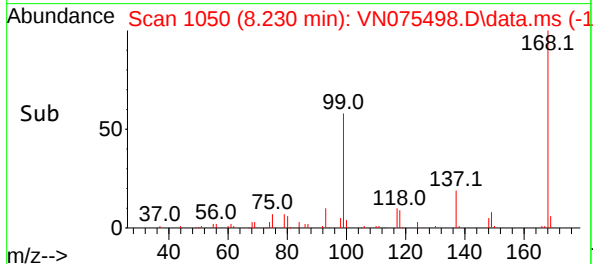


#31
Cyclohexane
Concen: 1.083 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

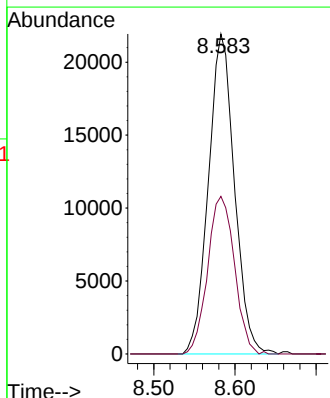
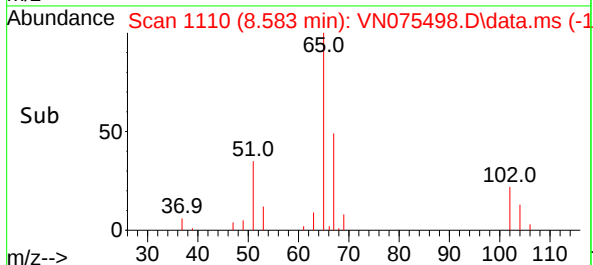
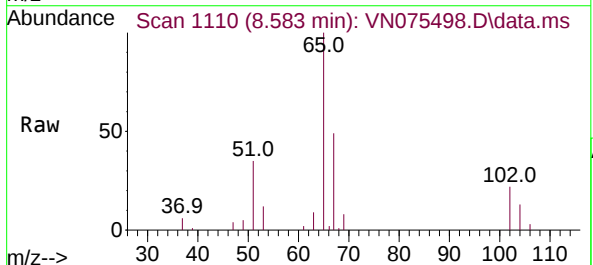


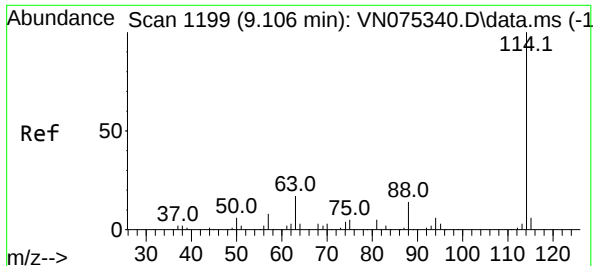
Tgt Ion: 56 Resp: 2988
Ion Ratio Lower Upper
56 100
69 174.7 25.2 37.8#
84 153.9 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 56.197 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 65 Resp: 48791
Ion Ratio Lower Upper
65 100
67 50.8 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: VN075498.D

Acq: 30 Nov 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#02

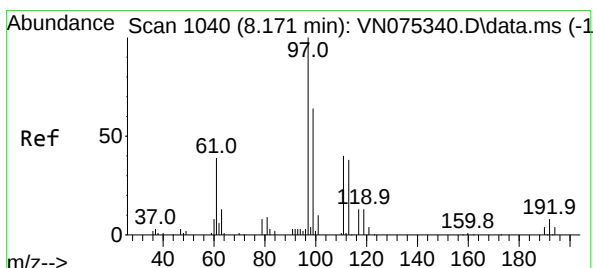
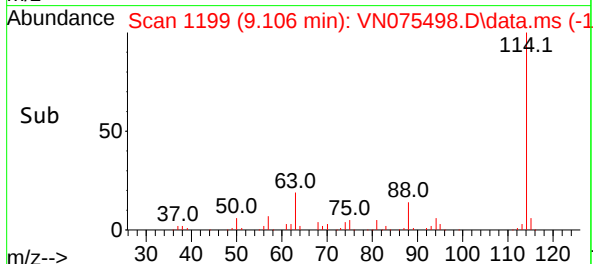
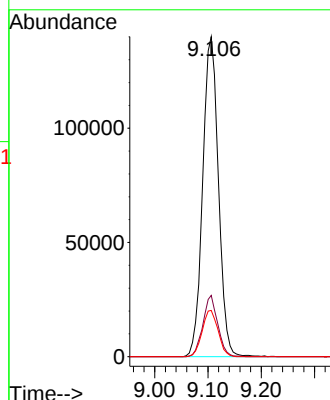
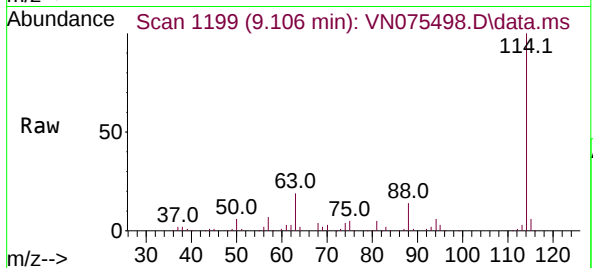
Tgt Ion:114 Resp: 287537

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.756 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075498.D

Acq: 30 Nov 2022 13:52

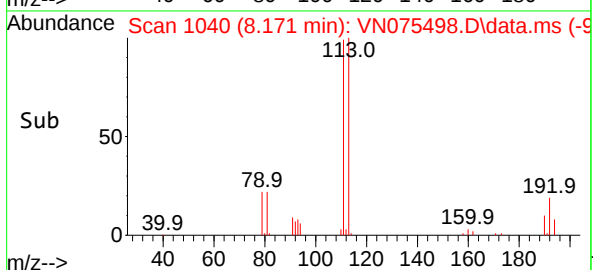
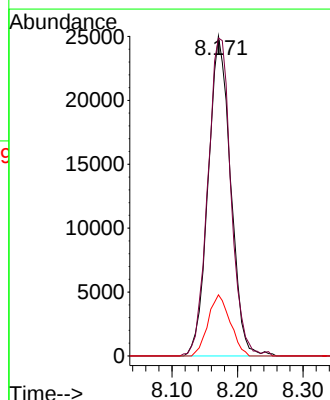
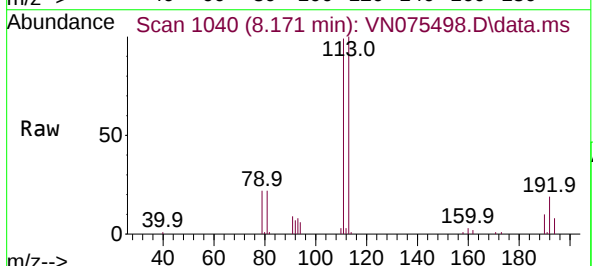
Tgt Ion:113 Resp: 59590

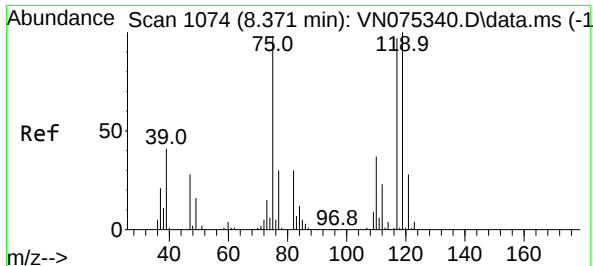
Ion Ratio Lower Upper

113 100

111 102.3 80.5 120.7

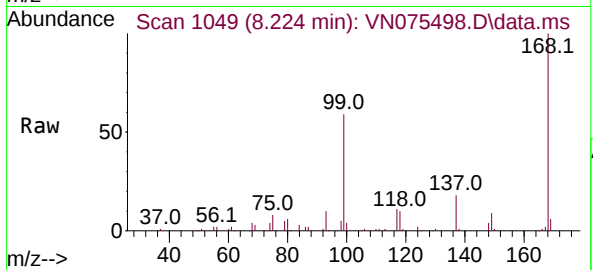
192 18.8 13.2 19.8



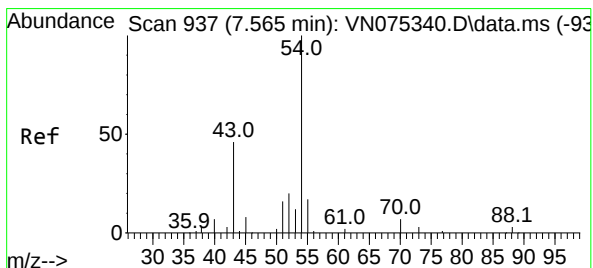
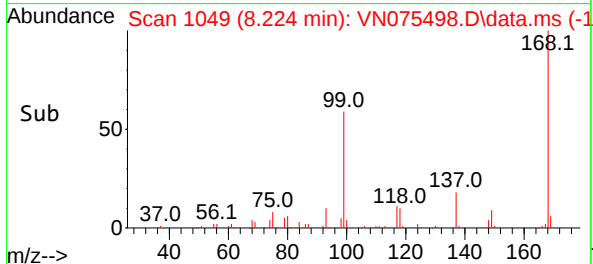
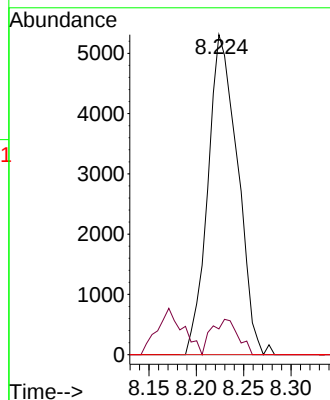


#36
1,1-Dichloropropene
Concen: 4.714 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.147 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

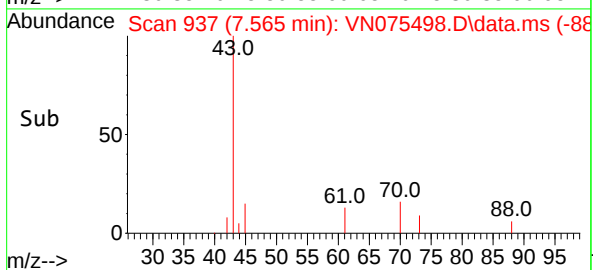
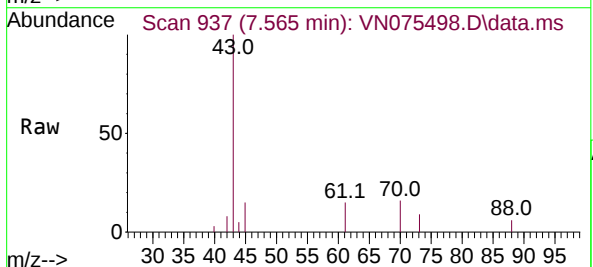
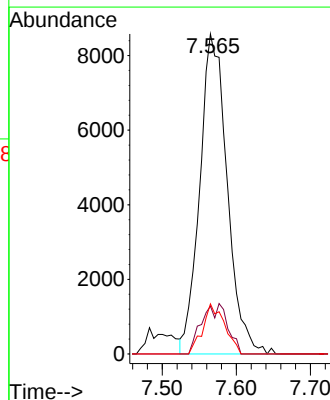


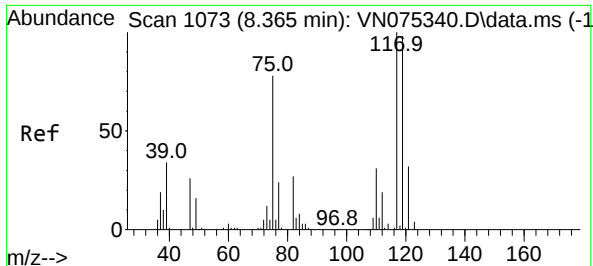
Tgt Ion: 75 Resp: 11613
Ion Ratio Lower Upper
75 100
110 9.8 17.8 53.3#
77 0.0 24.6 37.0#



#37
Ethyl Acetate
Concen: 9.939 ug/l
RT: 7.565 min Scan# 937
Delta R.T. 0.000 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

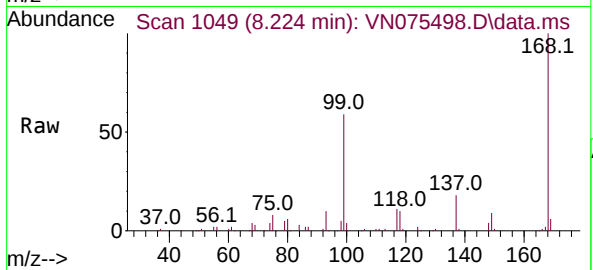
Tgt Ion: 43 Resp: 22044
Ion Ratio Lower Upper
43 100
61 8.4 12.2 18.4#
70 12.5 9.4 14.2



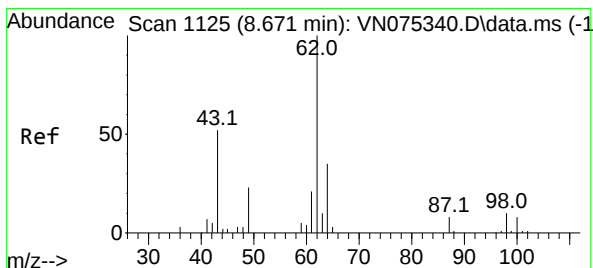
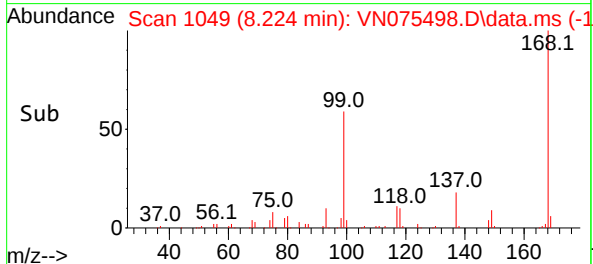
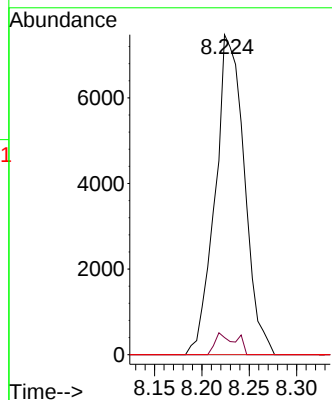


#38
Carbon Tetrachloride
Concen: 5.917 ug/l
RT: 8.224 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

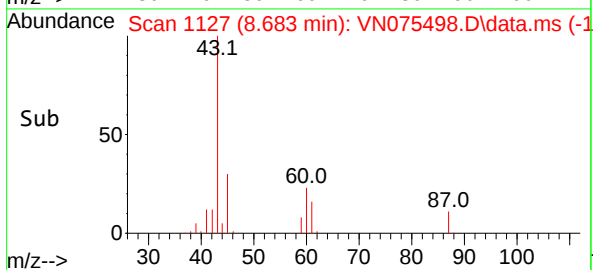
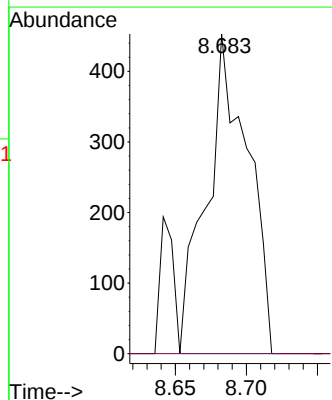
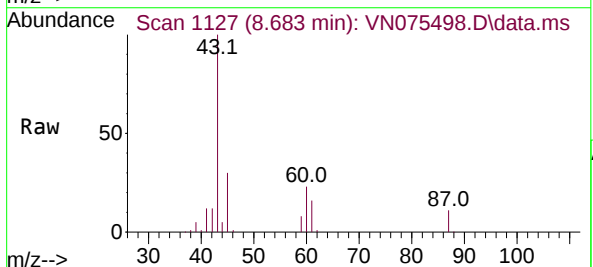


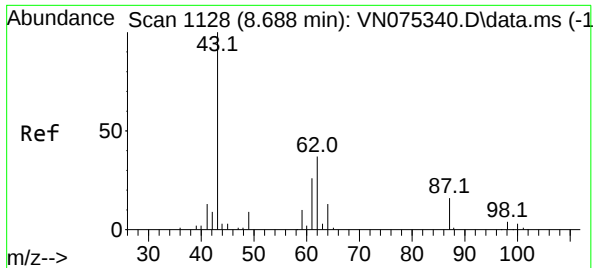
Tgt Ion:117 Resp: 16010
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.363 ug/l
RT: 8.683 min Scan# 1127
Delta R.T. 0.012 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 62 Resp: 917
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

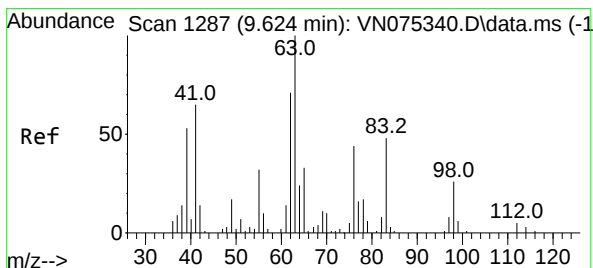
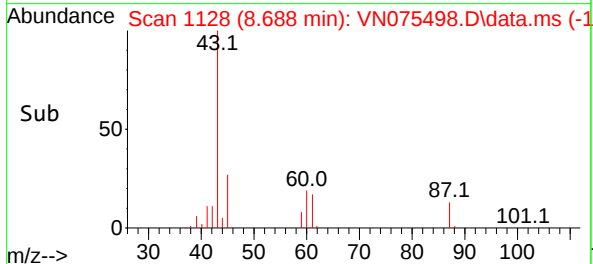
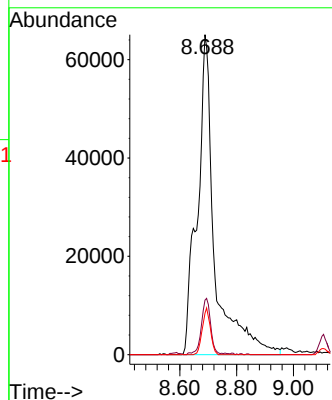
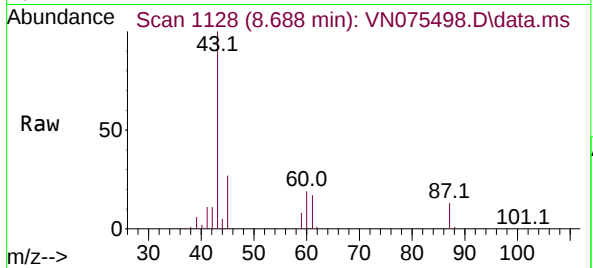




#43
Isopropyl Acetate
Concen: 77.647 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

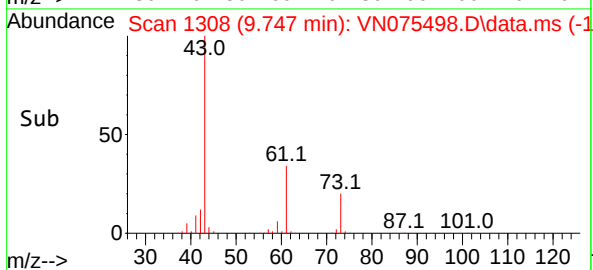
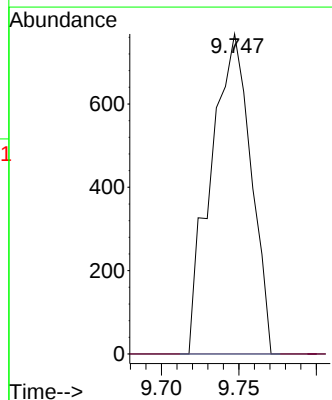
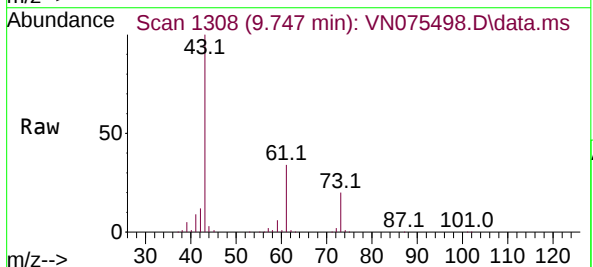
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

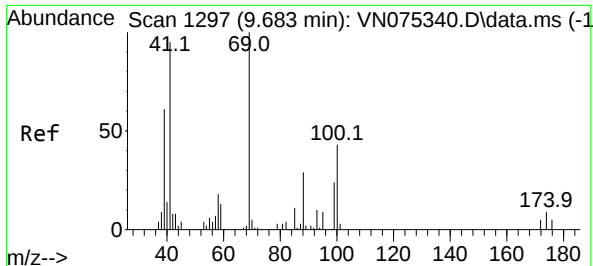
Tgt Ion: 43 Resp: 276436
Ion Ratio Lower Upper
43 100
61 9.4 22.4 33.6#
87 6.8 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.770 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 63 Resp: 1383
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.721 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075498.D

Acq: 30 Nov 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

PB149341ZHE#02

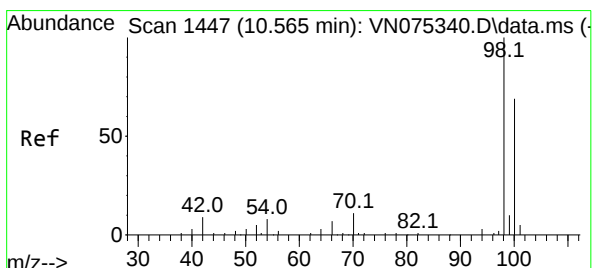
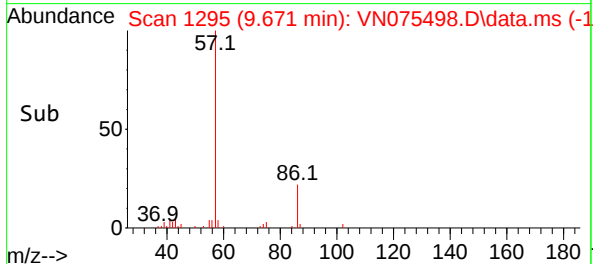
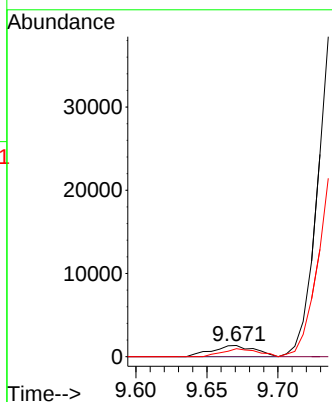
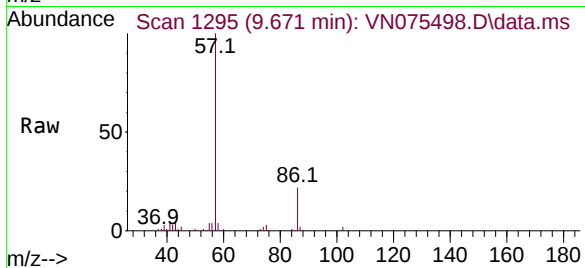
Tgt Ion: 41 Resp: 2833

Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 58.3 56.2 84.2



#50

Toluene-d8

Concen: 52.401 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075498.D

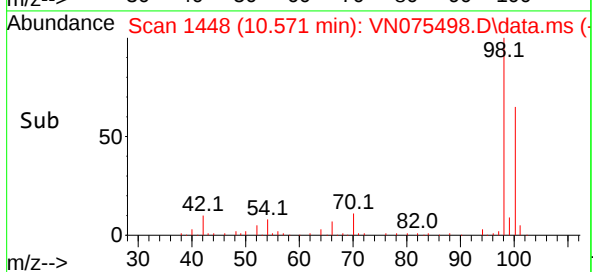
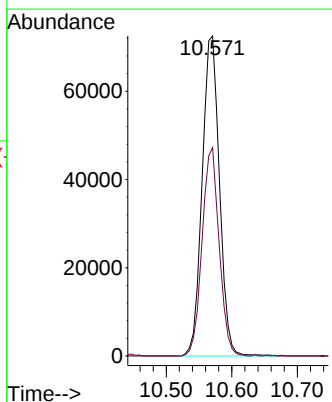
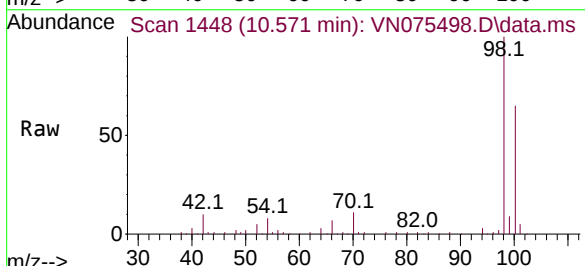
Acq: 30 Nov 2022 13:52

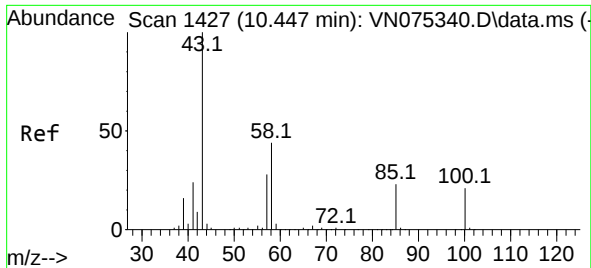
Tgt Ion: 98 Resp: 133310

Ion Ratio Lower Upper

98 100

100 64.1 53.0 79.6

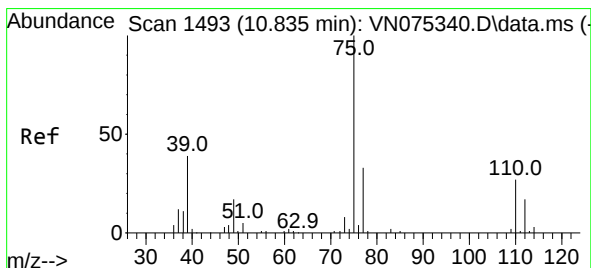
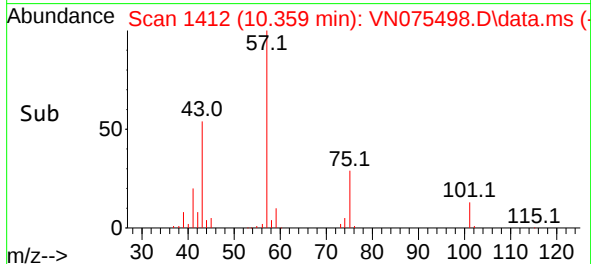
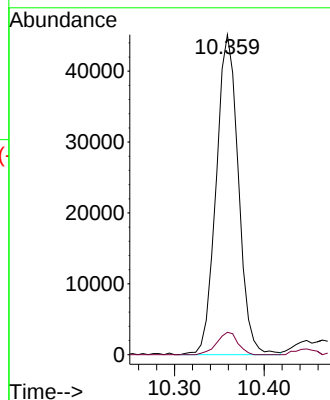
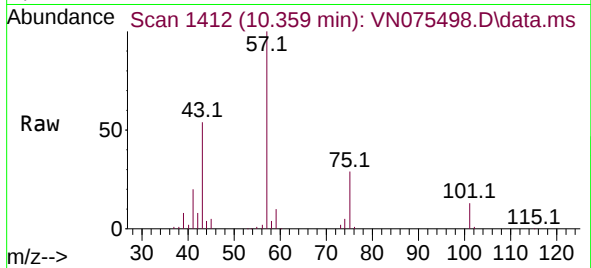




#51
4-Methyl-2-Pentanone
Concen: 34.232 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

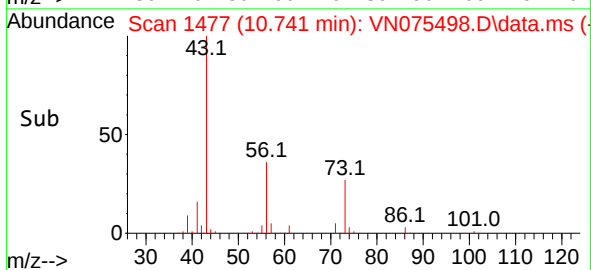
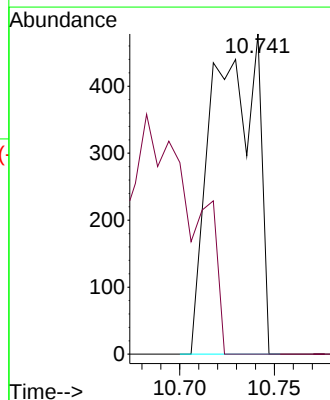
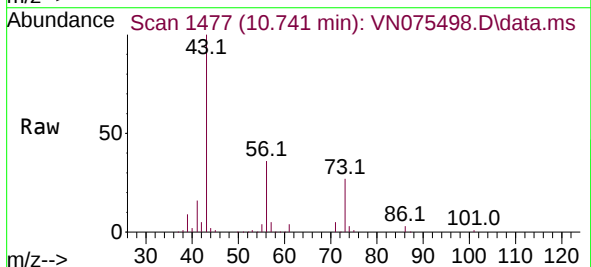
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

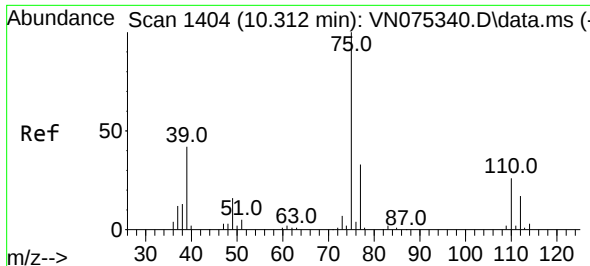
Tgt Ion: 43 Resp: 77623
Ion Ratio Lower Upper
43 100
58 6.6 33.6 50.4#



#53
t-1,3-Dichloropropene
Concen: 0.303 ug/l
RT: 10.741 min Scan# 1477
Delta R.T. -0.094 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 75 Resp: 802
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#

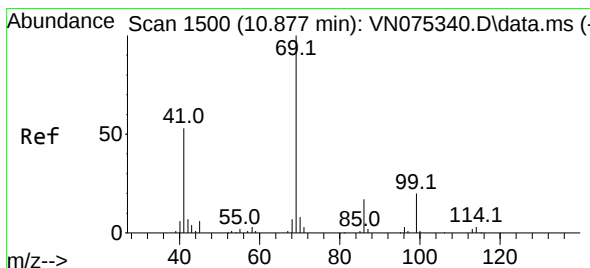
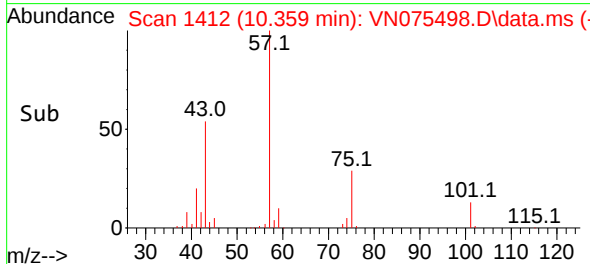
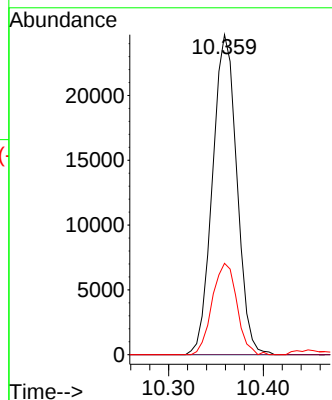
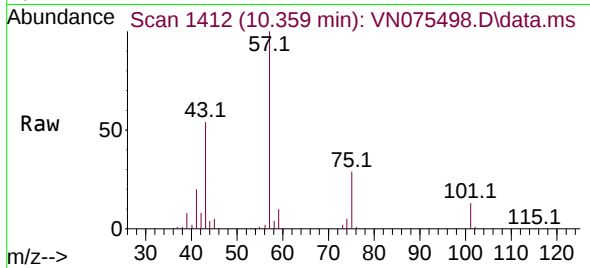




#54
 cis-1,3-Dichloropropene
 Concen: 15.343 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075498.D
 Acq: 30 Nov 2022 13:52

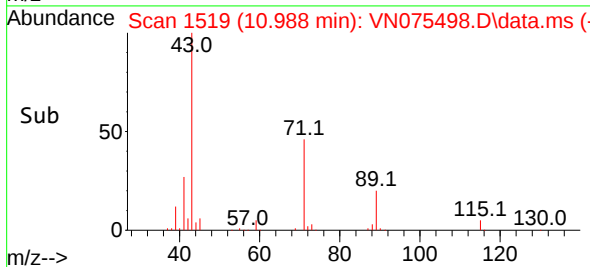
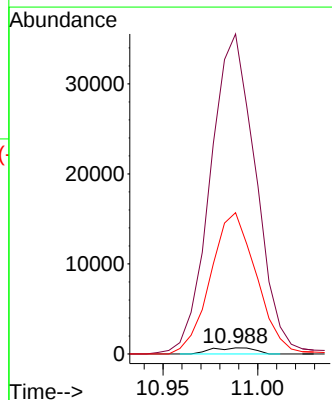
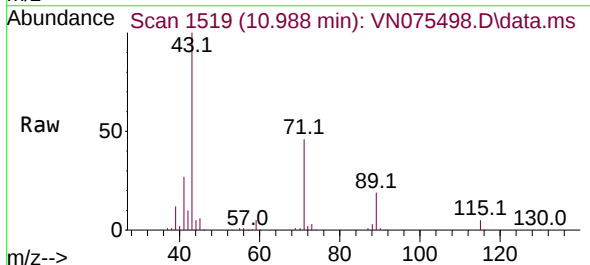
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149341ZHE#02

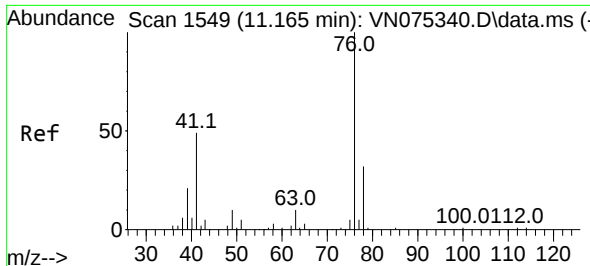
Tgt Ion: 75 Resp: 44041
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.5 35.8 53.6#



#56
 Ethyl methacrylate
 Concen: 0.404 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.111 min
 Lab File: VN075498.D
 Acq: 30 Nov 2022 13:52

Tgt Ion: 69 Resp: 1081
 Ion Ratio Lower Upper
 69 100
 41 5541.5 45.6 68.4#
 39 2455.1 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.801 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.035 min

Lab File: VN075498.D

Acq: 30 Nov 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

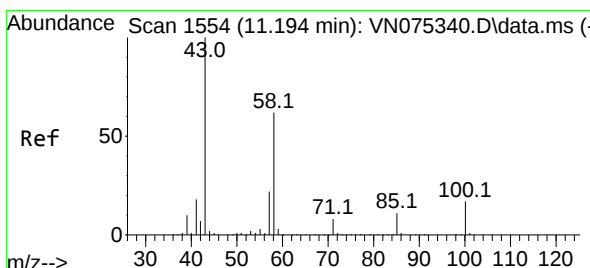
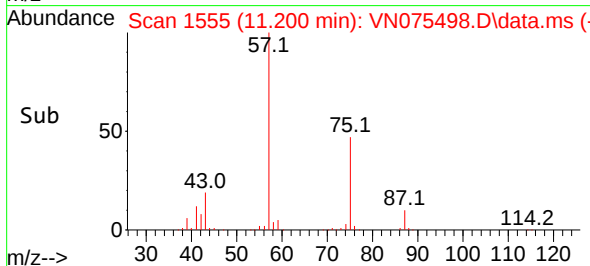
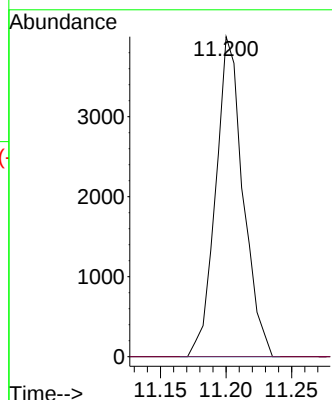
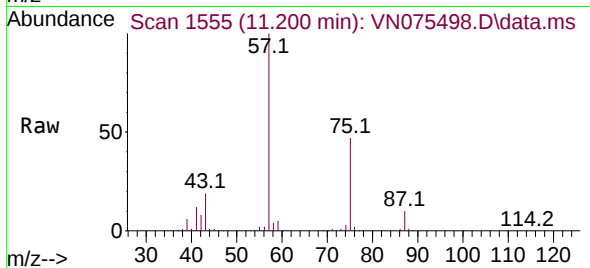
PB149341ZHE#02

Tgt Ion: 76 Resp: 5813

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 51.426 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.023 min

Lab File: VN075498.D

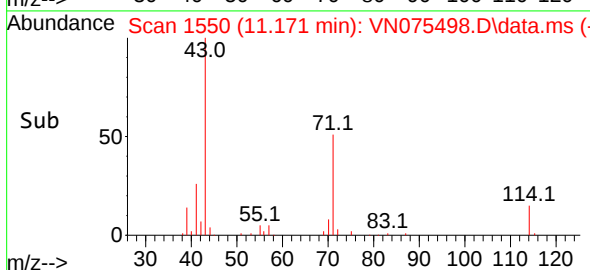
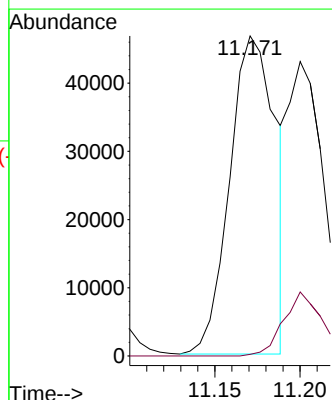
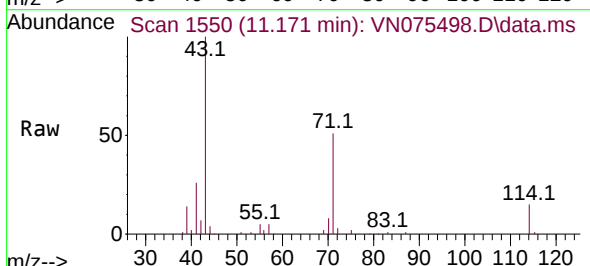
Acq: 30 Nov 2022 13:52

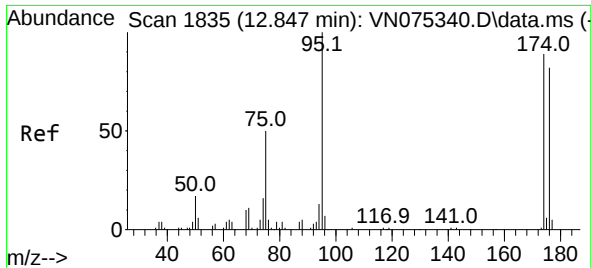
Tgt Ion: 43 Resp: 87563

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

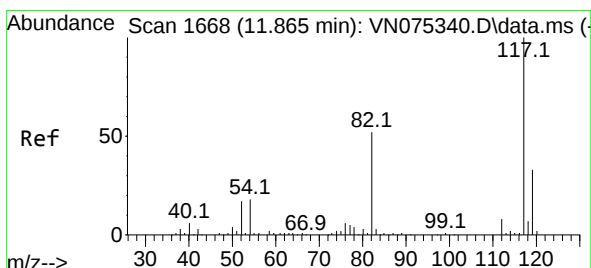
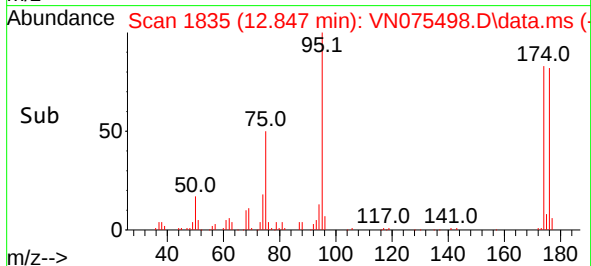
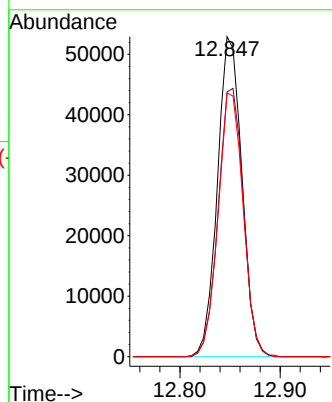
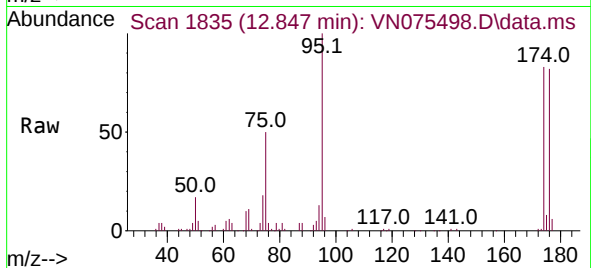




#62
4-Bromofluorobenzene
Concen: 47.821 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

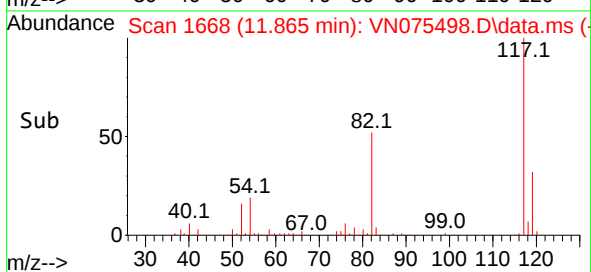
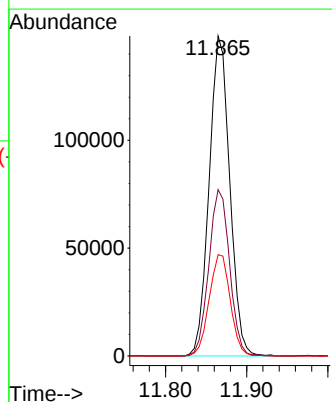
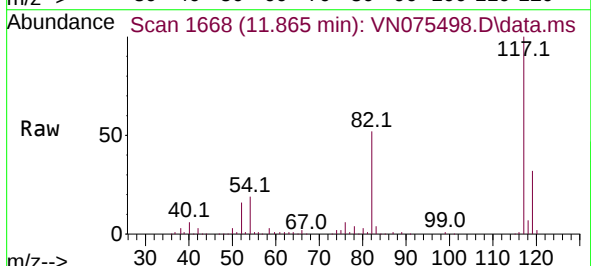
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

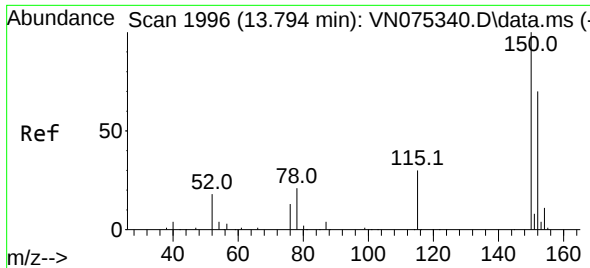
Tgt Ion: 95 Resp: 89798
Ion Ratio Lower Upper
95 100
174 86.4 0.0 147.4
176 84.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 117 Resp: 261506
Ion Ratio Lower Upper
117 100
82 51.9 43.1 64.7
119 31.6 25.5 38.3

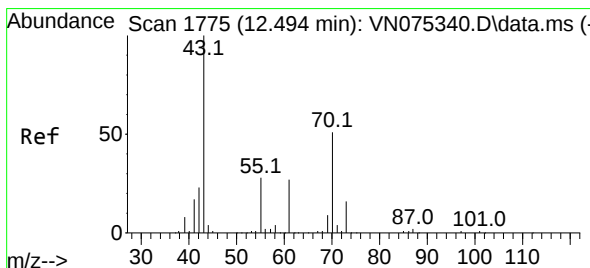
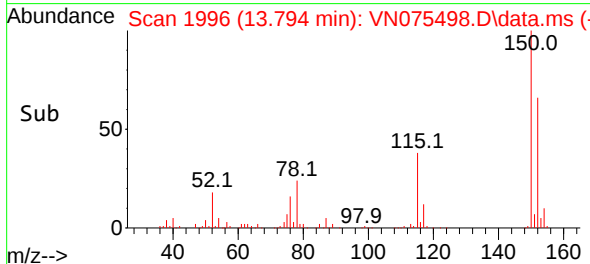
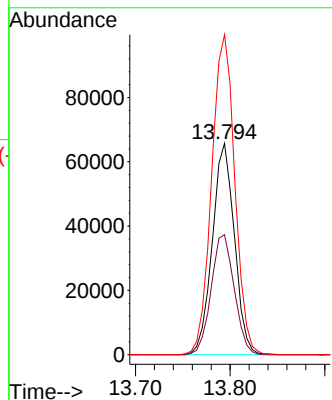
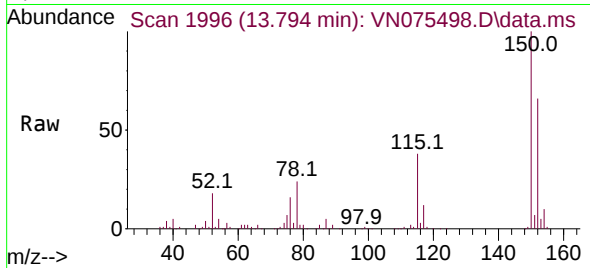




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

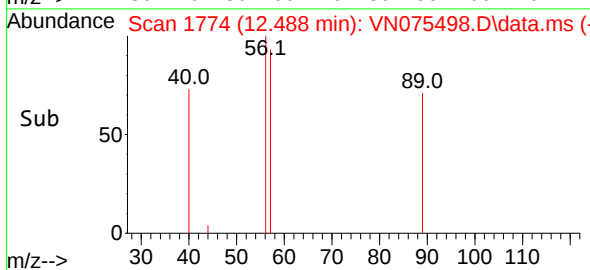
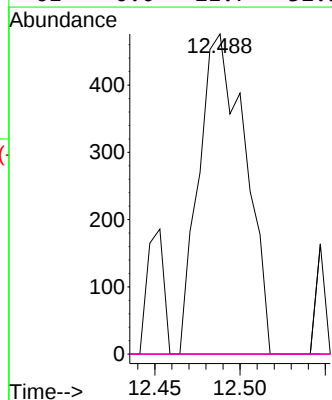
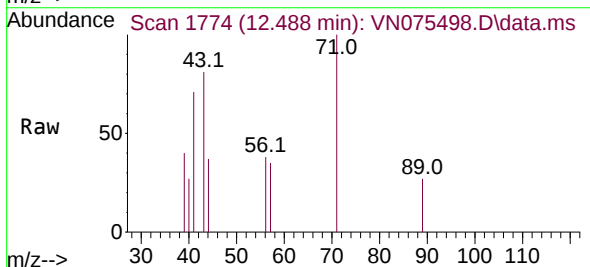
Instrument :
MSVOA_N
ClientSampleId :
PB149341ZHE#02

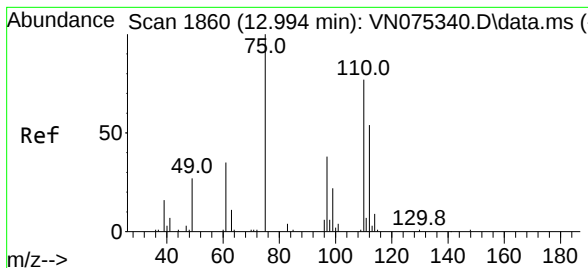
Tgt Ion:152 Resp: 106651
Ion Ratio Lower Upper
152 100
115 59.2 30.2 90.6
150 158.6 0.0 348.4



#74
N-ethyl acetate
Concen: 0.375 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075498.D
Acq: 30 Nov 2022 13:52

Tgt Ion: 43 Resp: 898
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: 22.711 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075498.D

Acq: 30 Nov 2022 13:52

Instrument :

MSVOA_N

ClientSampleId :

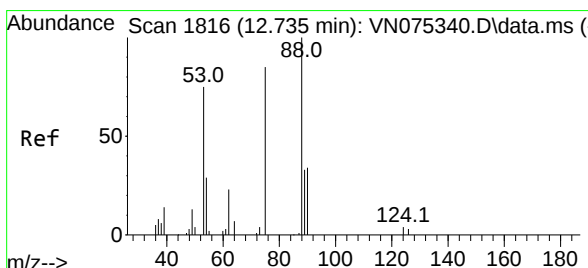
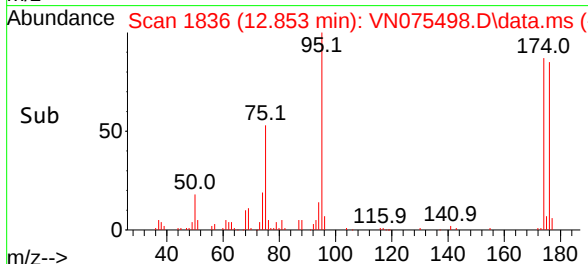
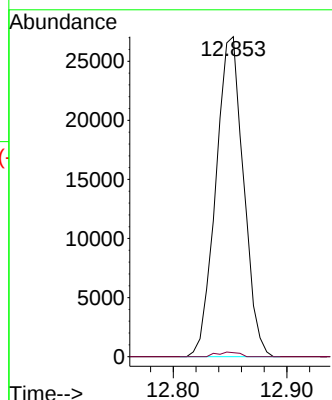
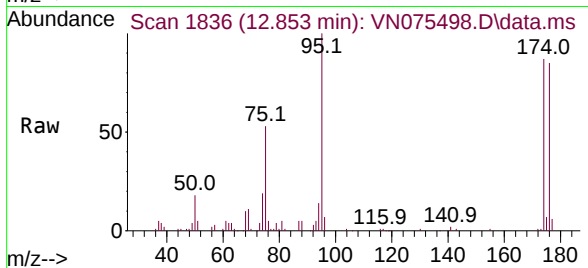
PB149341ZHE#02

Tgt Ion: 75 Resp: 45796

Ion Ratio Lower Upper

75 100

77 1.2 75.6 226.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.196 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.118 min

Lab File: VN075498.D

Acq: 30 Nov 2022 13:52

Tgt Ion: 75 Resp: 45796

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.7 56.5#

