

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075370.D
 Acq On : 22 Nov 2022 16:08
 Operator : JC\MD
 Sample : PB149226ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#02

Quant Time: Nov 23 07:11:00 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

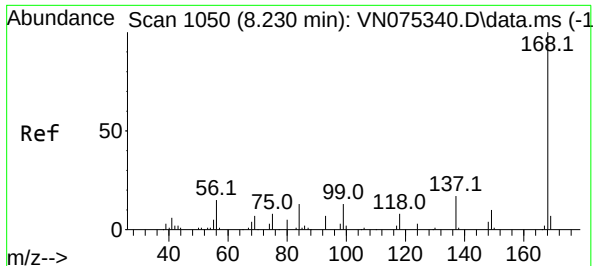
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	142434	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	232357	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	97392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	41692	54.530	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.060%			
35) Dibromofluoromethane	8.171	113	49463	50.405	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.820%			
50) Toluene-d8	10.571	98	112149	50.742	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.853	95	80360	49.260	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.520%			
Target Compounds						Qvalue
8) Diethyl Ether	3.977	74	3122	3.651	ug/l	100
11) Tert butyl alcohol	5.500	59	623	1.941	ug/l #	72
16) Acetone	4.441	43	65273	91.527	ug/l	100
18) Methyl Acetate	5.047	43	3367	0.593	ug/l #	87
20) Methylene Chloride	5.283	84	16710	10.546	ug/l	95
25) 2-Butanone	7.506	43	1500	1.507	ug/l	89
29) Tetrahydrofuran	7.565	42	1444	2.384	ug/l #	26
31) Cyclohexane	8.224	56	2514	1.035	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	10401	4.860	ug/l #	52
37) Ethyl Acetate	7.571	43	21329	11.069	ug/l	99
38) Carbon Tetrachloride	8.235	117	14184	6.034	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	477	0.217	ug/l #	75
43) Isopropyl Acetate	8.694	43	125625	40.617	ug/l #	86
45) 1,2-Dichloropropane	9.747	63	1376	0.881	ug/l #	42
48) Methyl methacrylate	9.665	41	2584	1.807	ug/l #	39
49) 1,4-Dioxane	9.741	88	69	1.699	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3523	1.788	ug/l	90
53) t-1,3-Dichloropropene	10.729	75	732	0.319	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	41744	16.740	ug/l #	63
56) Ethyl methacrylate	10.988	69	843	0.363	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5679	2.025	ug/l #	42
59) 2-Hexanone	11.170	43	86798	58.677	ug/l #	21
74) N-amyl acetate	12.488	43	1086	0.496	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	40087	21.770	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	40087	64.411	ug/l #	10

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

Quant Time: Nov 23 07:11:00 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

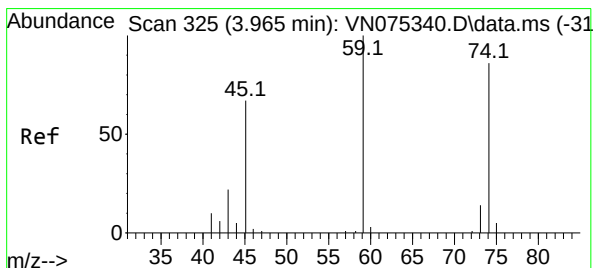
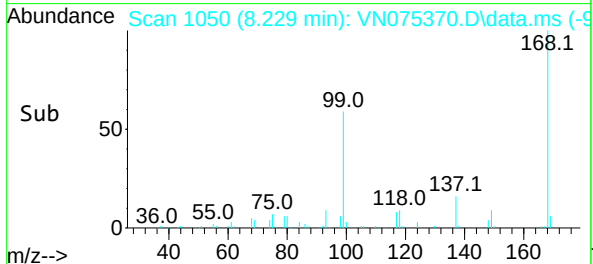
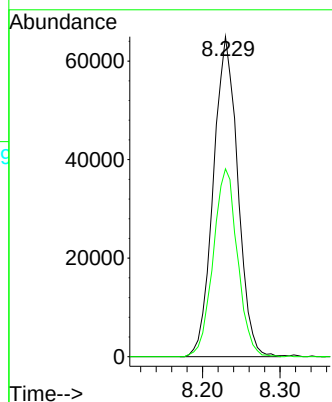
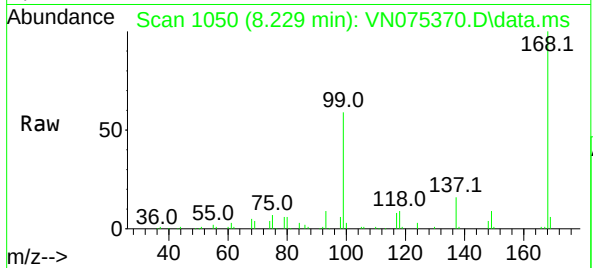




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

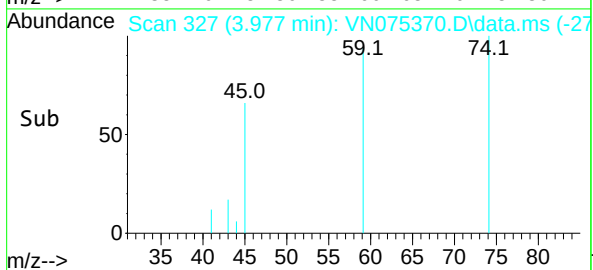
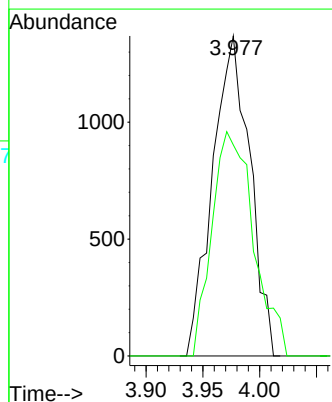
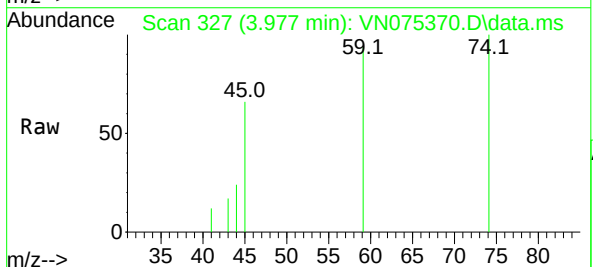
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

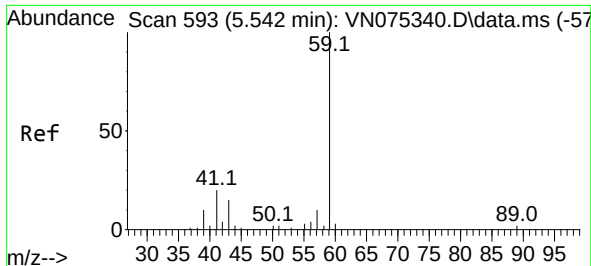
Tgt Ion:168 Resp: 142434
Ion Ratio Lower Upper
168 100
99 58.7 51.6 77.4



#8
Diethyl Ether
Concen: 3.651 ug/l
RT: 3.977 min Scan# 327
Delta R.T. 0.012 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 74 Resp: 3122
Ion Ratio Lower Upper
74 100
45 78.2 39.3 117.9

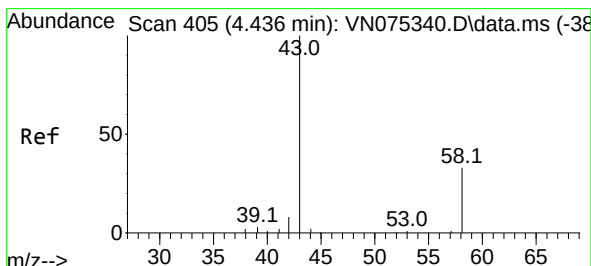
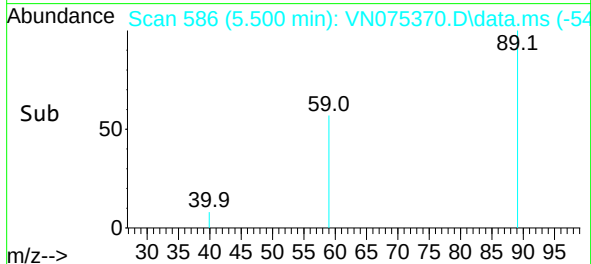
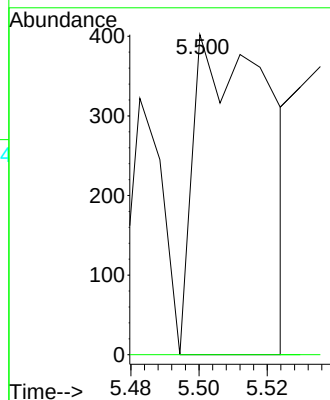
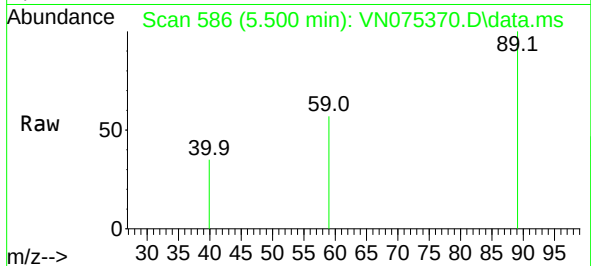




#11
Tert butyl alcohol
Concen: 1.941 ug/l
RT: 5.500 min Scan# 51
Delta R.T. -0.042 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

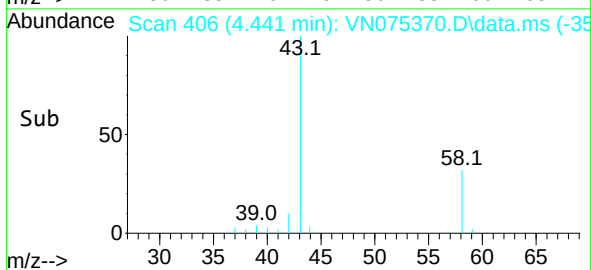
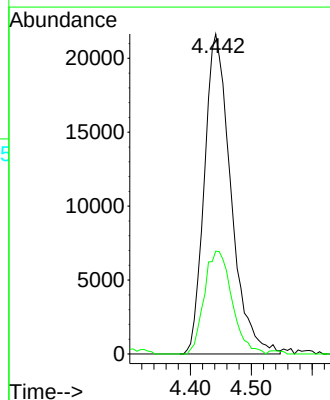
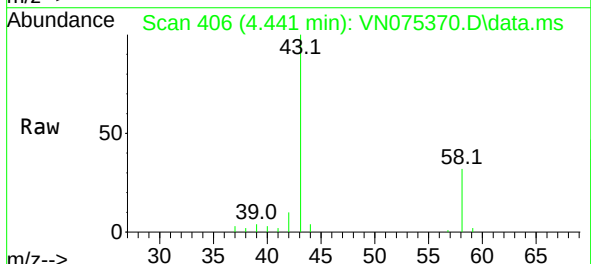
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

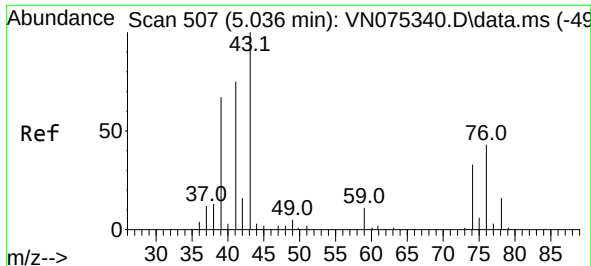
Tgt Ion: 59 Resp: 623
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 91.527 ug/l
RT: 4.441 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 43 Resp: 65273
Ion Ratio Lower Upper
43 100
58 32.1 25.5 38.3

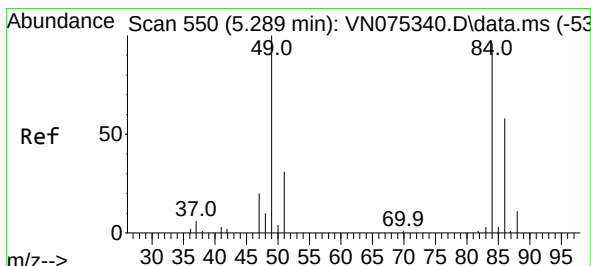
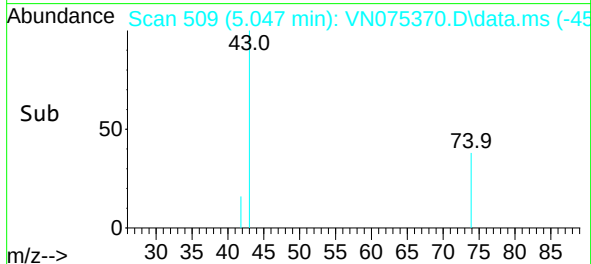
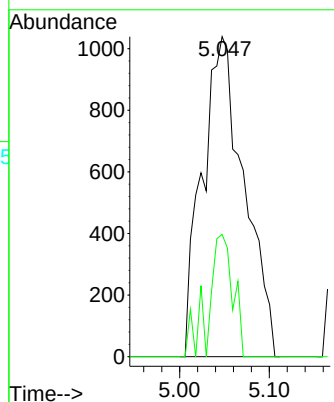
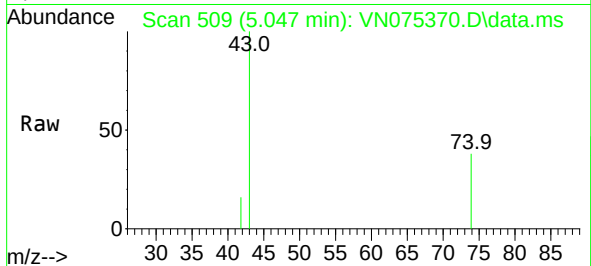




#18
Methyl Acetate
Concen: 0.593 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.011 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

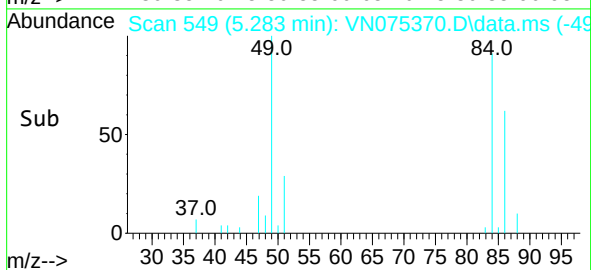
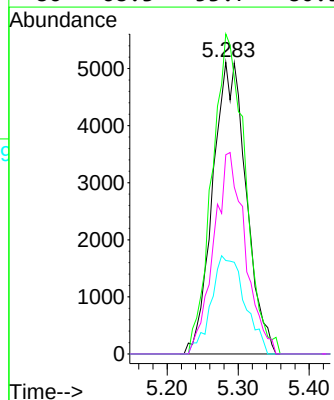
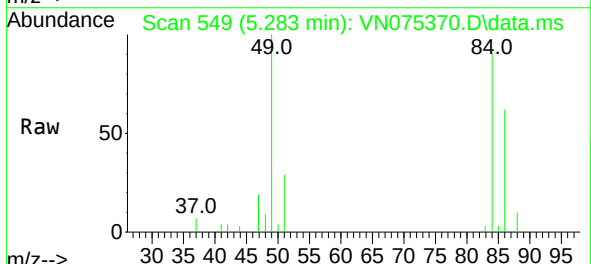
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

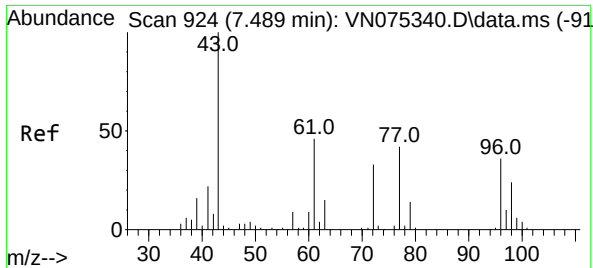
Tgt Ion: 43 Resp: 3367
Ion Ratio Lower Upper
43 100
74 20.7 22.0 33.0#



#20
Methylene Chloride
Concen: 10.546 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 84 Resp: 16710
Ion Ratio Lower Upper
84 100
49 109.7 94.9 142.3
51 32.0 26.8 40.2
86 68.3 53.7 80.5

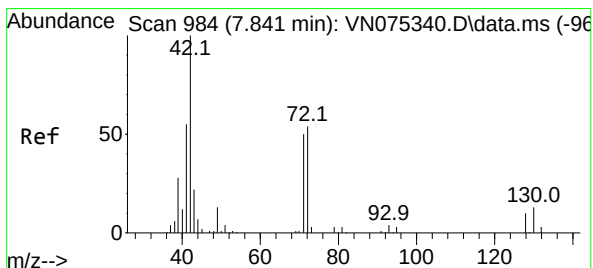
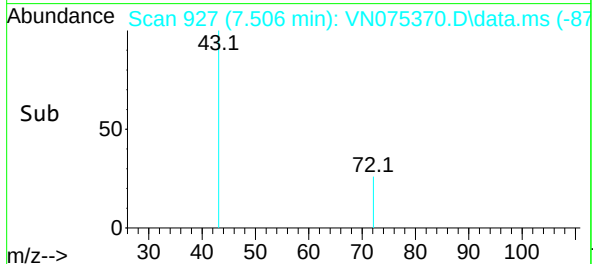
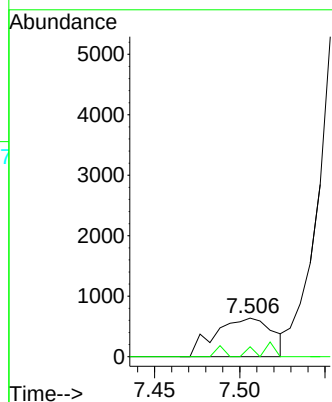
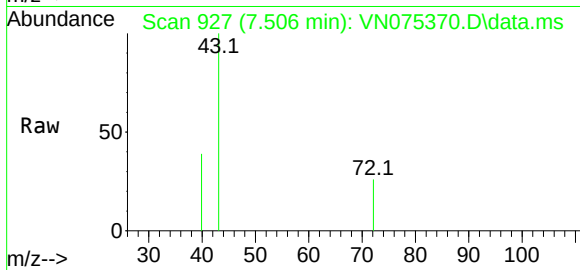




#25
2-Butanone
Concen: 1.507 ug/l
RT: 7.506 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

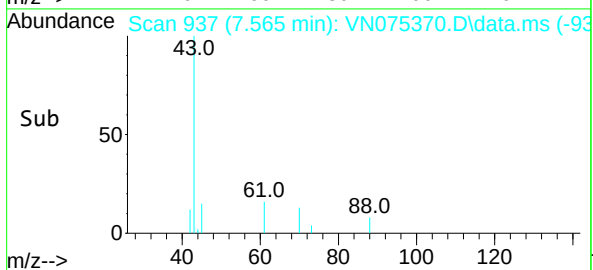
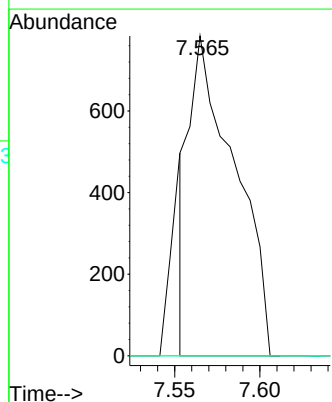
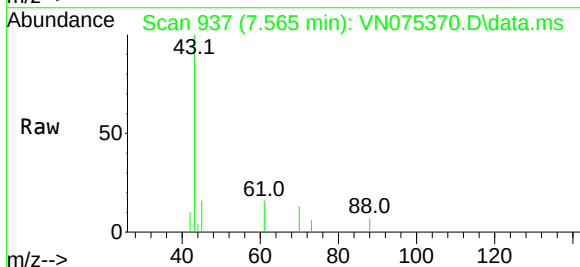
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

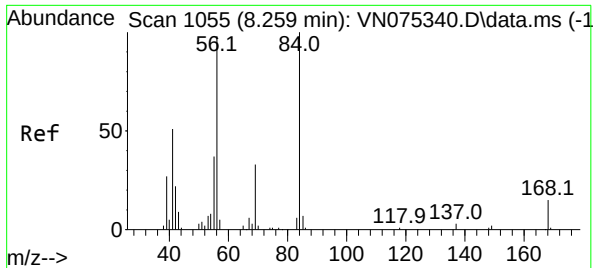
Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
72 25.9 25.5 38.3



#29
Tetrahydrofuran
Concen: 2.384 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.276 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

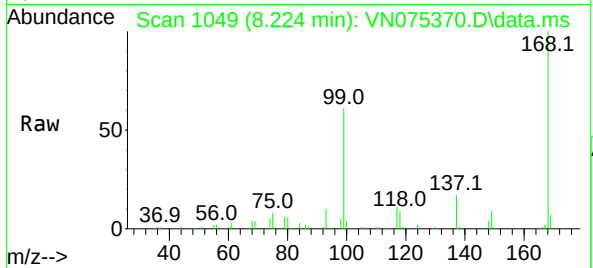
Tgt Ion: 42 Resp: 1444
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#





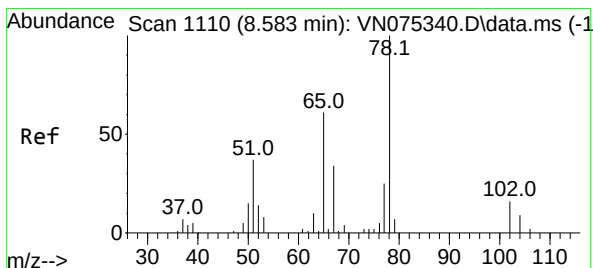
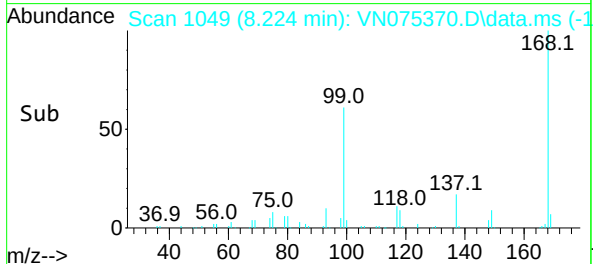
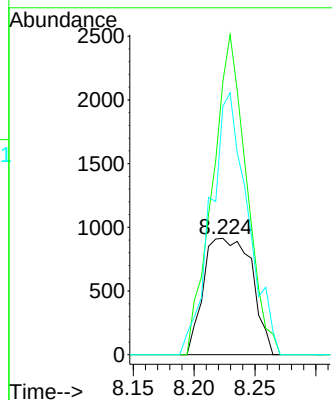
#31
Cyclohexane
Concen: 1.035 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02



Tgt Ion: 56 Resp: 2514

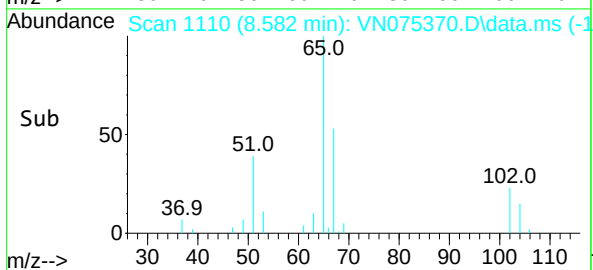
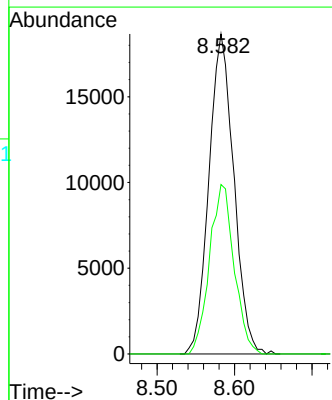
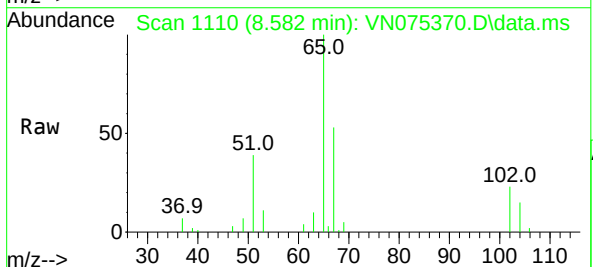
Ion	Ratio	Lower	Upper
56	100		
69	235.0	25.2	37.8#
84	213.8	77.8	116.8#

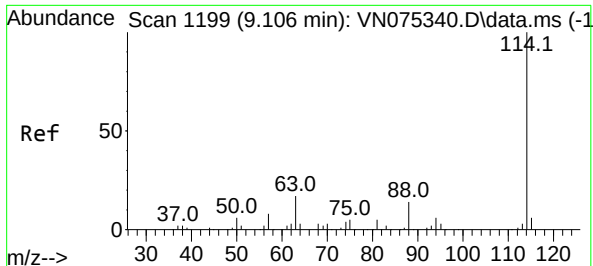


#33
1,2-Dichloroethane-d4
Concen: 54.530 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 65 Resp: 41692

Ion	Ratio	Lower	Upper
65	100		
67	52.3	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: VN075370.D

Acq: 22 Nov 2022 16:08

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#02

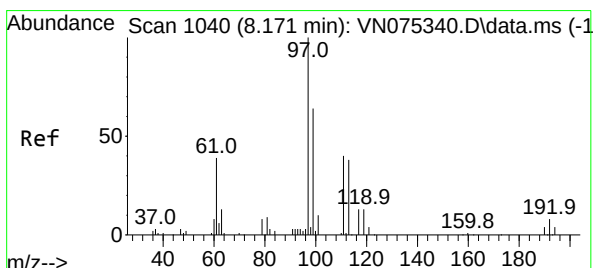
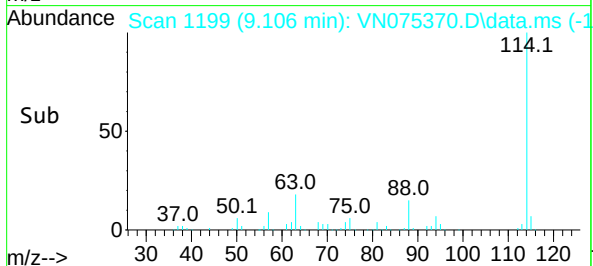
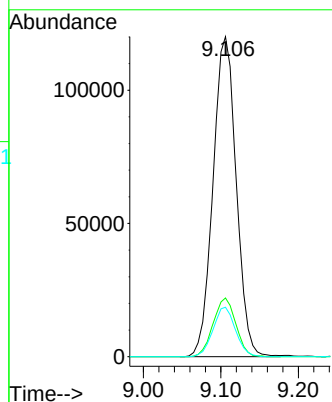
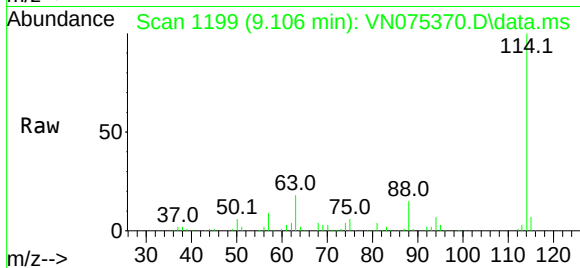
Tgt Ion:114 Resp: 249802

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.405 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN075370.D

Acq: 22 Nov 2022 16:08

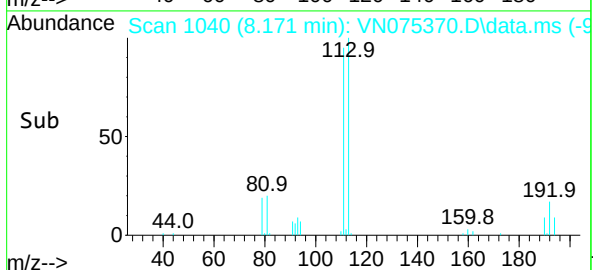
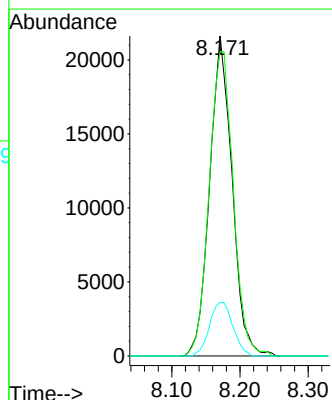
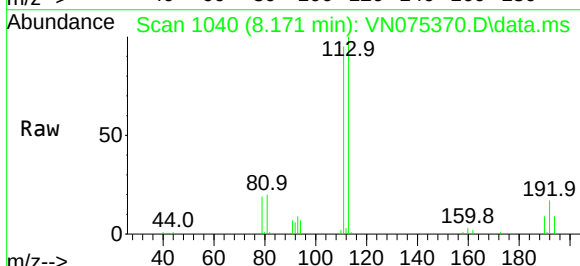
Tgt Ion:113 Resp: 49463

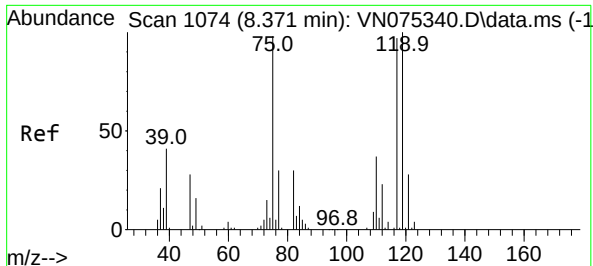
Ion Ratio Lower Upper

113 100

111 102.4 80.5 120.7

192 17.5 13.2 19.8





#36

1,1-Dichloropropene

Concen: 4.860 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.147 min

Lab File: VN075370.D

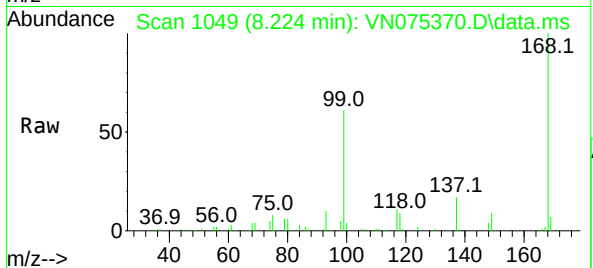
Acq: 22 Nov 2022 16:08

Instrument :

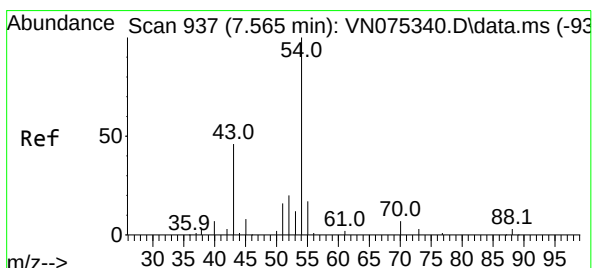
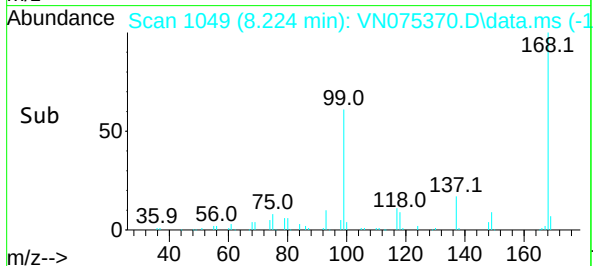
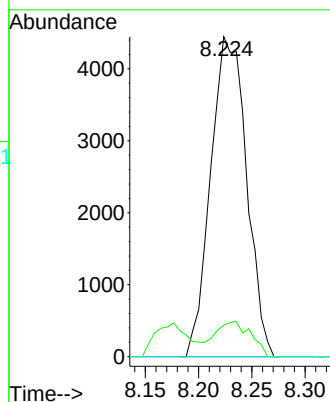
MSVOA_N

ClientSampleId :

PB149226ZHE#02



Tgt Ion:	75	Resp:	10401
Ion Ratio	Lower	Upper	
75	100		
110	11.4	17.8	53.3#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 11.069 ug/l

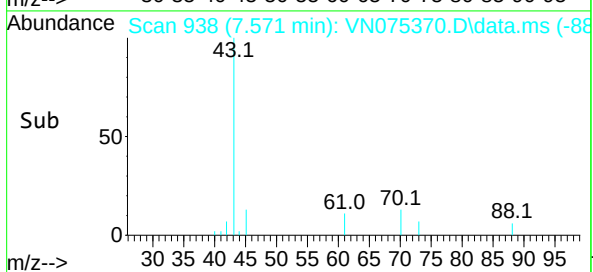
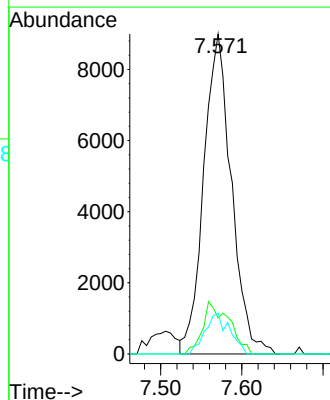
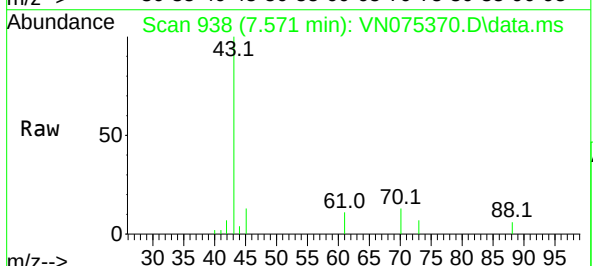
RT: 7.571 min Scan# 938

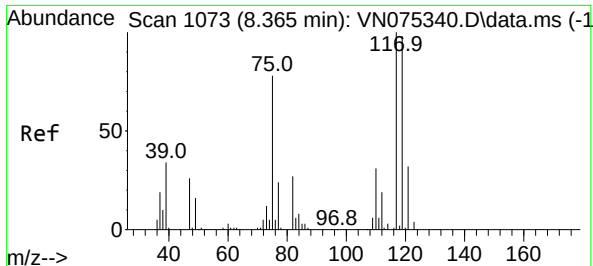
Delta R.T. 0.006 min

Lab File: VN075370.D

Acq: 22 Nov 2022 16:08

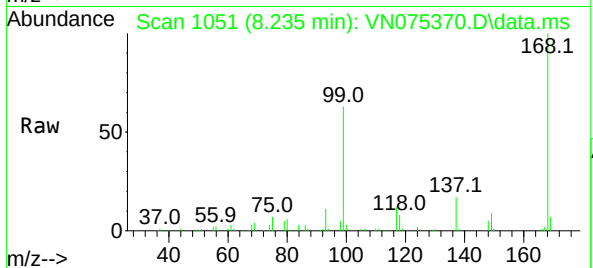
Tgt Ion:	43	Resp:	21329
Ion Ratio	Lower	Upper	
43	100		
61	15.6	12.2	18.4
70	11.2	9.4	14.2



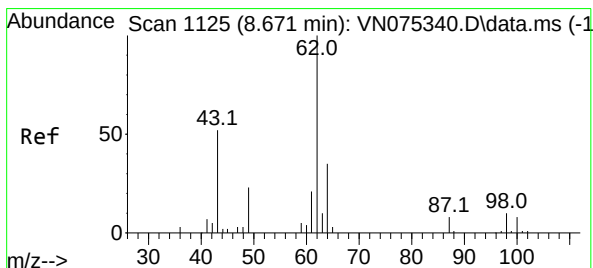
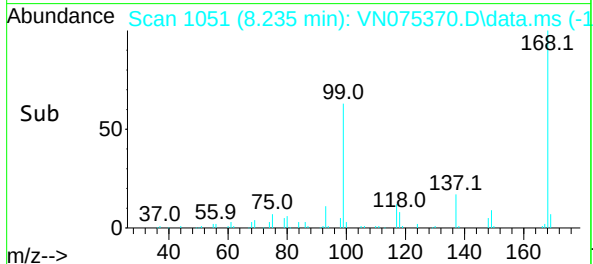
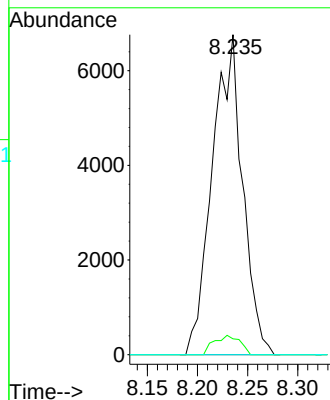


#38
Carbon Tetrachloride
Concen: 6.034 ug/l
RT: 8.235 min Scan# 110
Delta R.T. -0.130 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

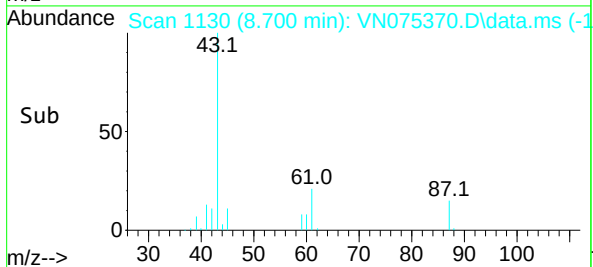
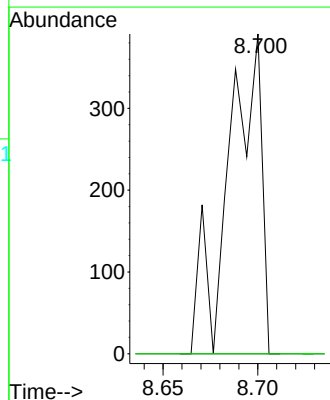
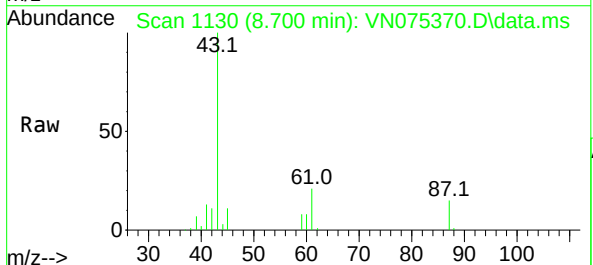


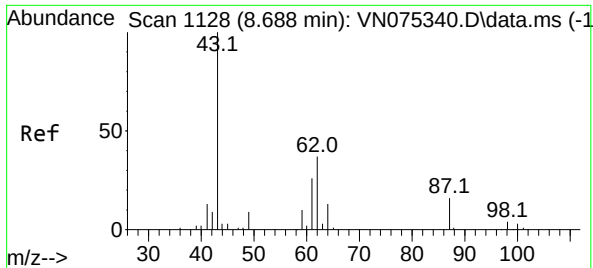
Tgt Ion:117 Resp: 14184
Ion Ratio Lower Upper
117 100
119 5.0 76.7 115.1#
121 0.0 23.9 35.9#



#42
1,2-Dichloroethane
Concen: 0.217 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.029 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 62 Resp: 477
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

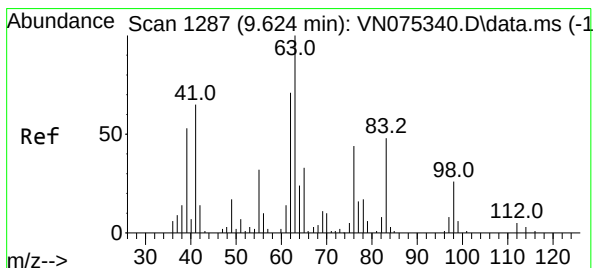
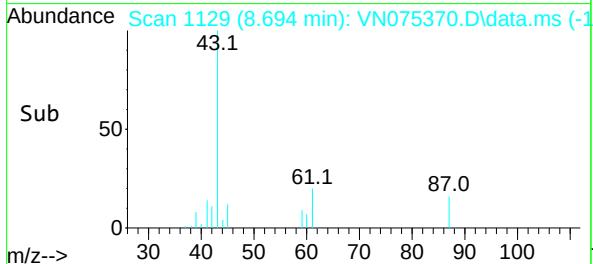
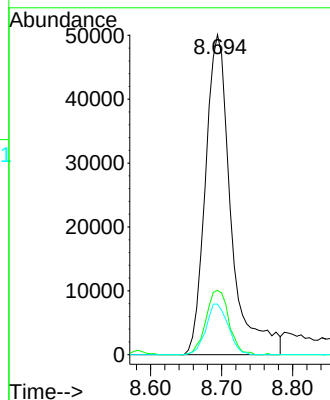
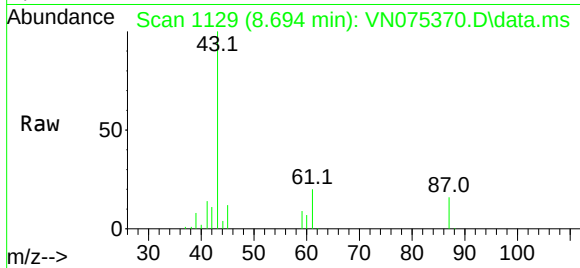




#43
Isopropyl Acetate
Concen: 40.617 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

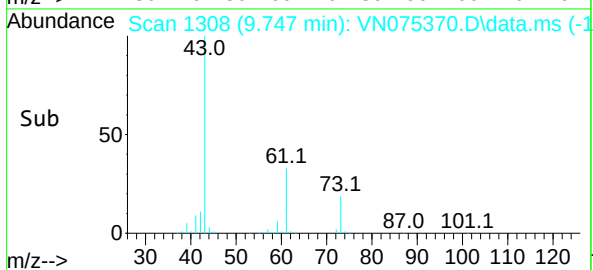
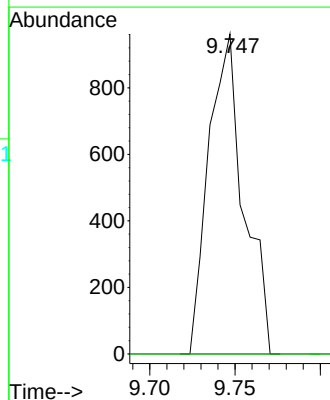
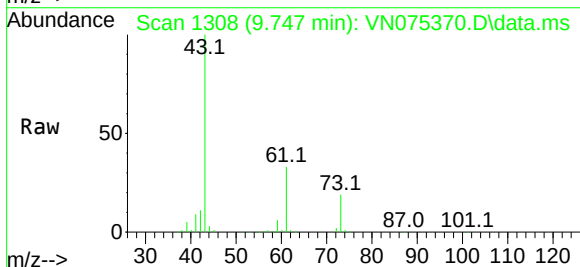
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

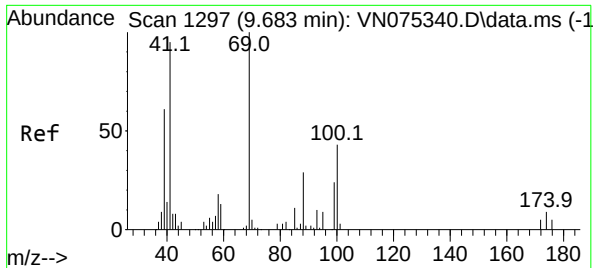
Tgt Ion: 43 Resp: 125625
Ion Ratio Lower Upper
43 100
61 18.0 22.4 33.6#
87 13.7 12.5 18.7



#45
1,2-Dichloropropane
Concen: 0.881 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.123 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 63 Resp: 1376
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#

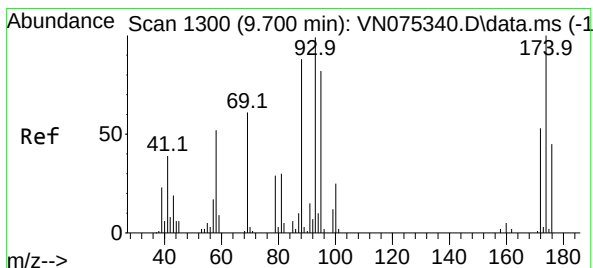
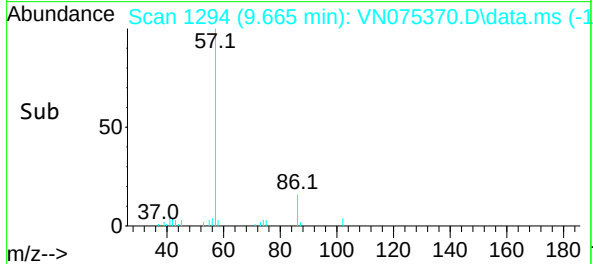
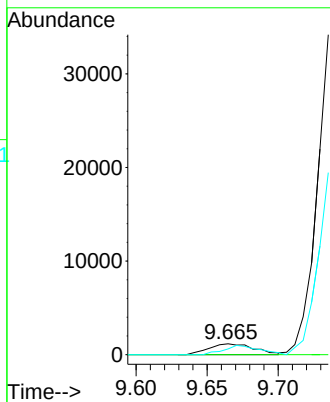
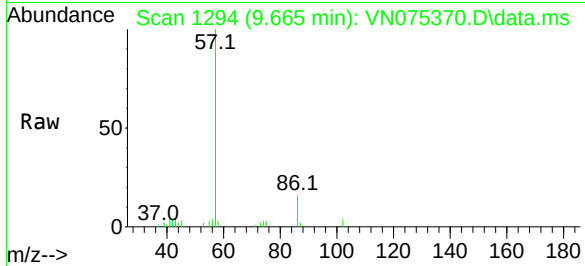




#48
Methyl methacrylate
Concen: 1.807 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

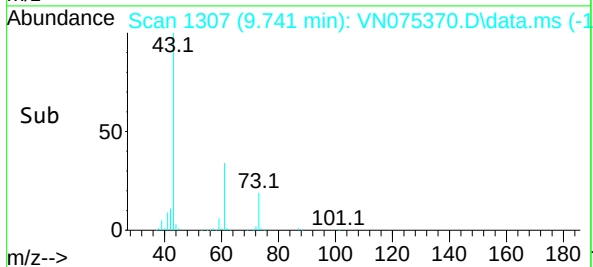
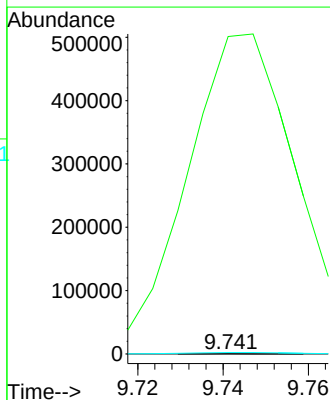
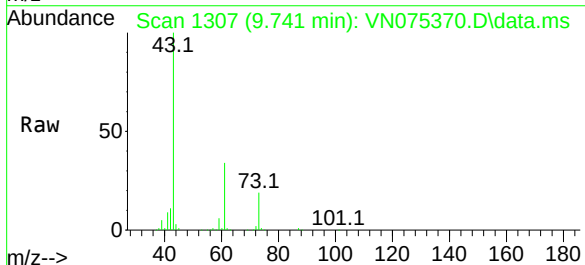
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

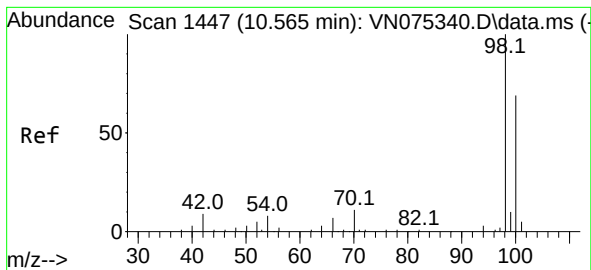
Tgt Ion: 41 Resp: 2584
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 66.3 56.2 84.2



#49
1,4-Dioxane
Concen: 1.699 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 1339427.5 17.5 26.3#
58 6263.8 49.8 74.8#





#50

Toluene-d8

Concen: 50.742 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VN075370.D

Acq: 22 Nov 2022 16:08

Instrument :

MSVOA_N

ClientSampleId :

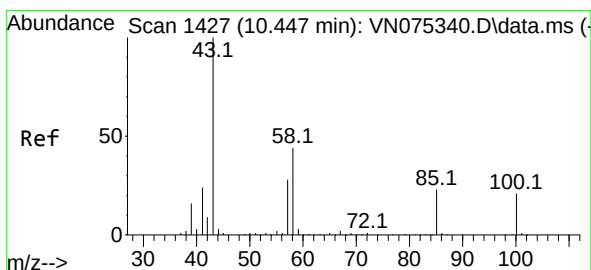
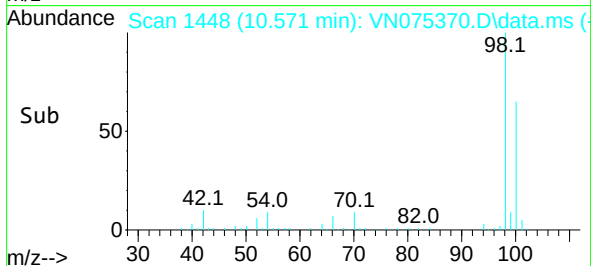
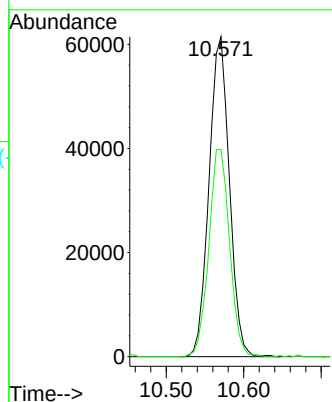
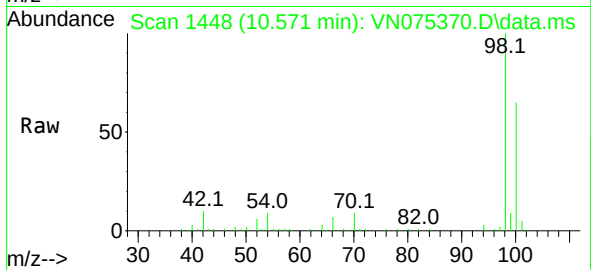
PB149226ZHE#02

Tgt Ion: 98 Resp: 112149

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.788 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075370.D

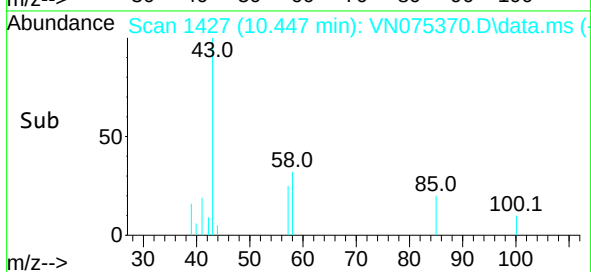
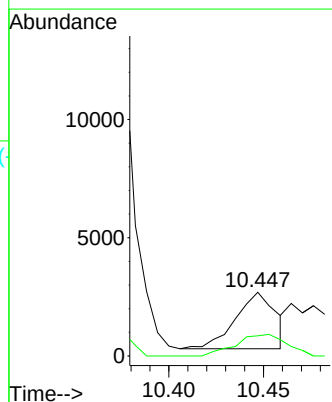
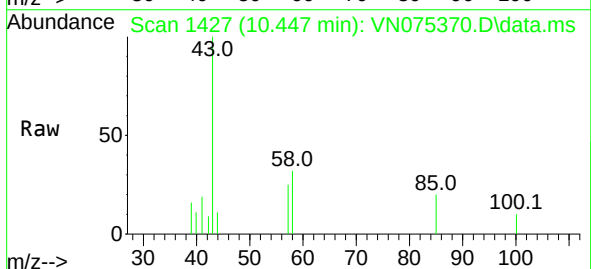
Acq: 22 Nov 2022 16:08

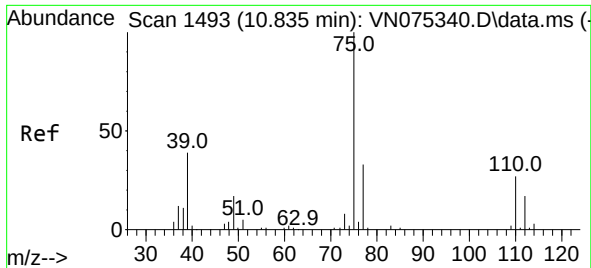
Tgt Ion: 43 Resp: 3523

Ion Ratio Lower Upper

43 100

58 48.3 33.6 50.4

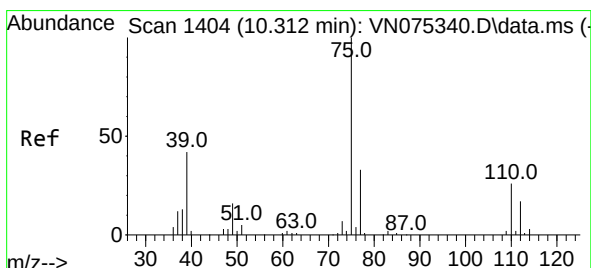
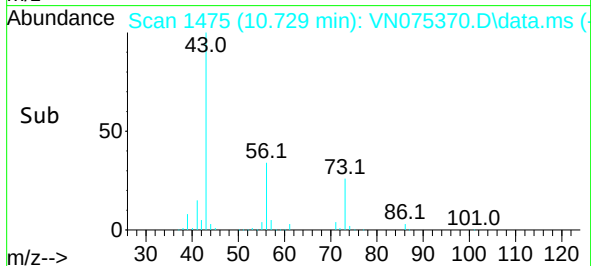
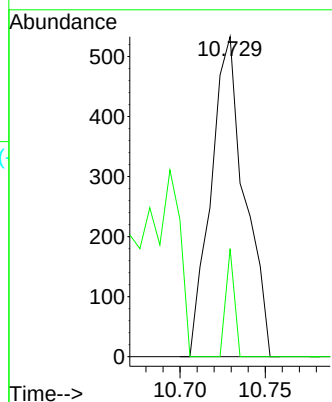
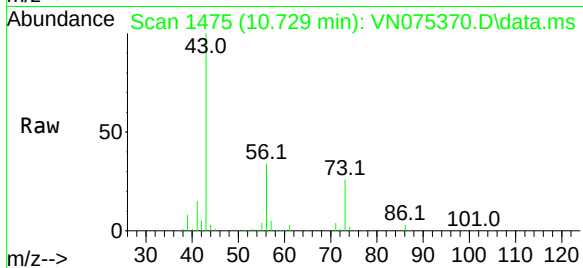




#53
 t-1,3-Dichloropropene
 Concen: 0.319 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN075370.D
 Acq: 22 Nov 2022 16:08

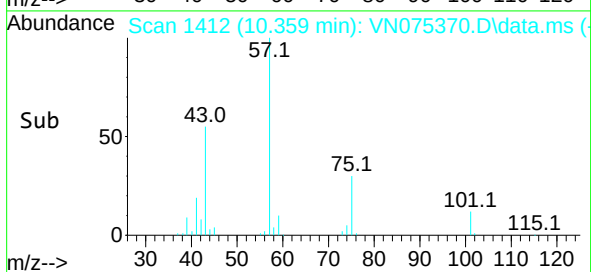
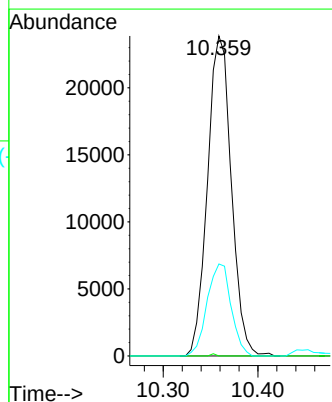
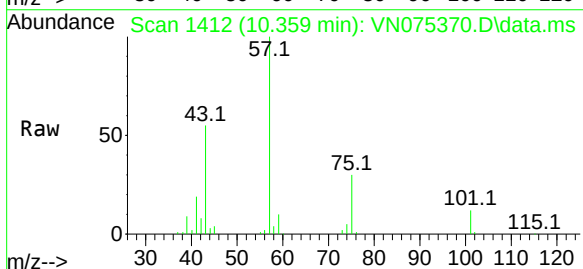
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149226ZHE#02

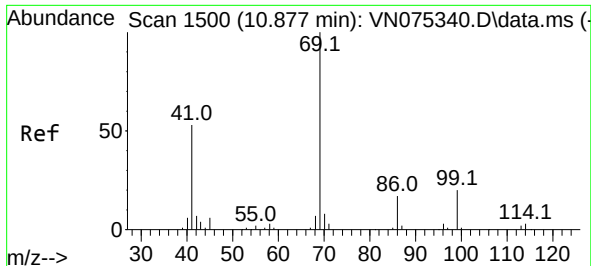
Tgt Ion: 75 Resp: 732
 Ion Ratio Lower Upper
 75 100
 77 33.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 16.740 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075370.D
 Acq: 22 Nov 2022 16:08

Tgt Ion: 75 Resp: 41744
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.8 35.8 53.6#

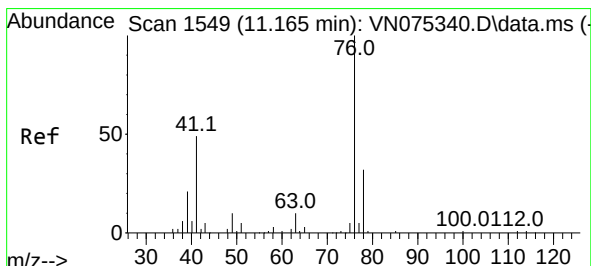
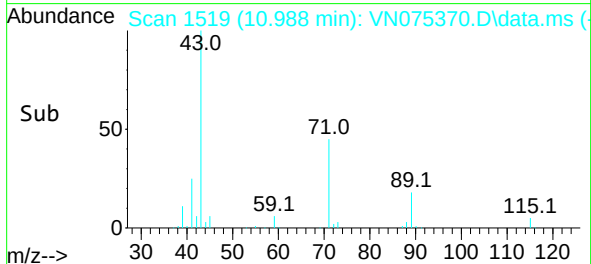
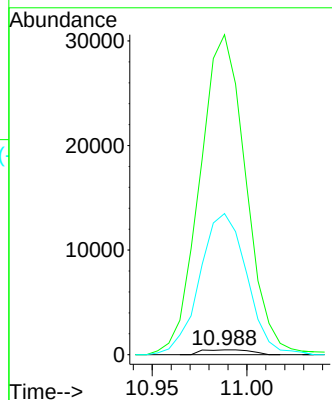
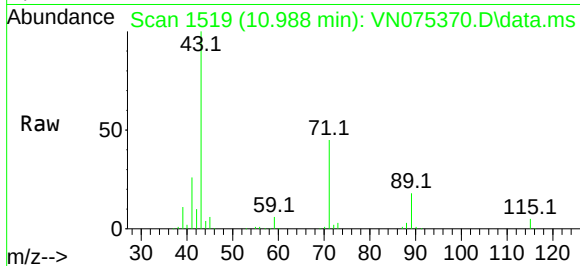




#56
Ethyl methacrylate
Concen: 0.363 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.111 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

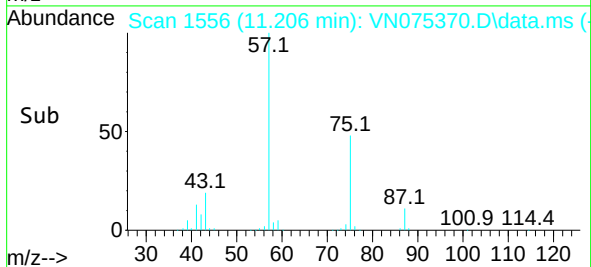
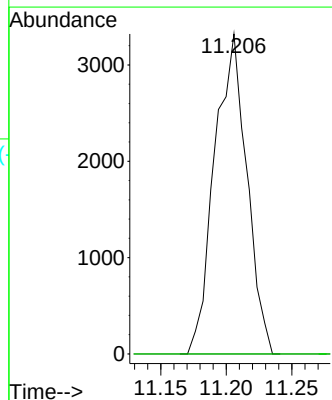
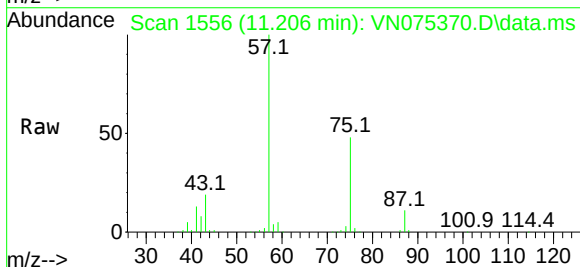
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

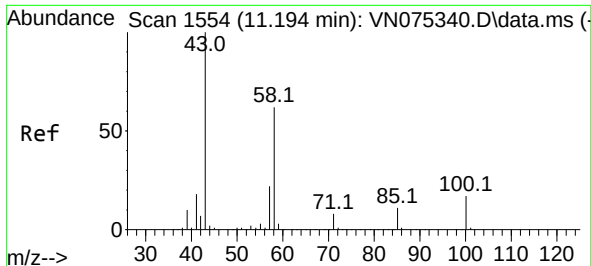
Tgt Ion: 69 Resp: 843
Ion Ratio Lower Upper
69 100
41 6160.0 45.6 68.4#
39 2772.0 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 2.025 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion: 76 Resp: 5679
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#





#59

2-Hexanone

Concen: 58.677 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.024 min

Lab File: VN075370.D

Acq: 22 Nov 2022 16:08

Instrument :

MSVOA_N

ClientSampleId :

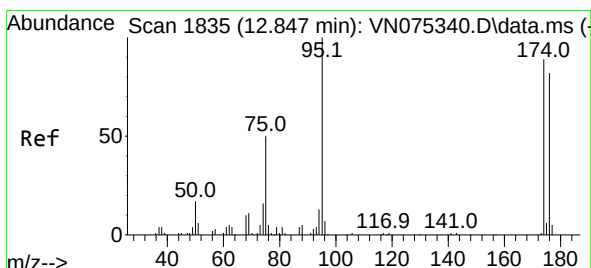
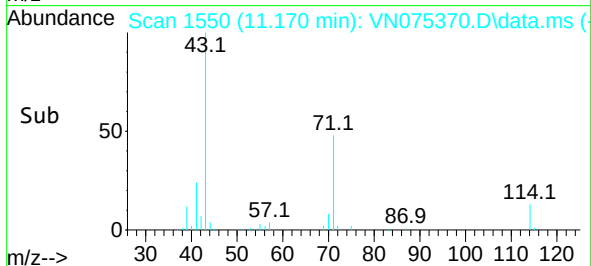
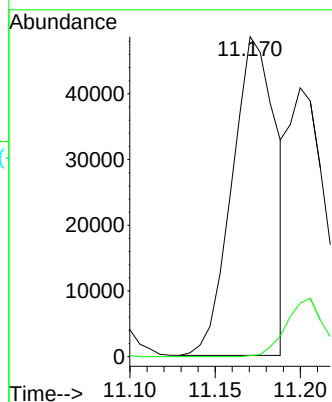
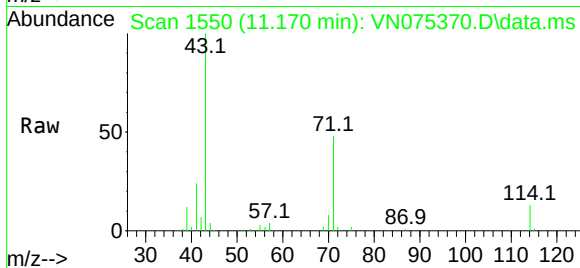
PB149226ZHE#02

Tgt Ion: 43 Resp: 86798

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#



#62

4-Bromofluorobenzene

Concen: 49.260 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN075370.D

Acq: 22 Nov 2022 16:08

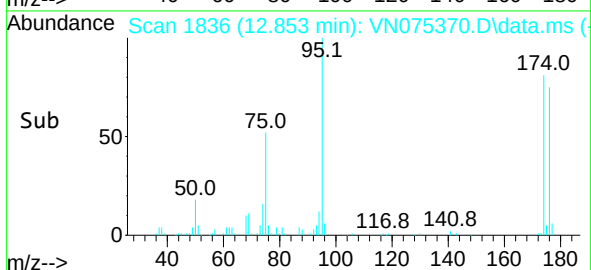
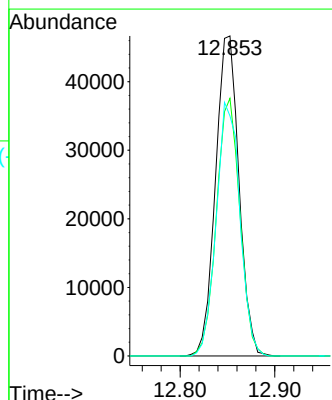
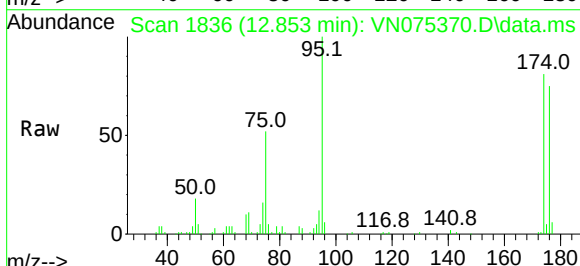
Tgt Ion: 95 Resp: 80360

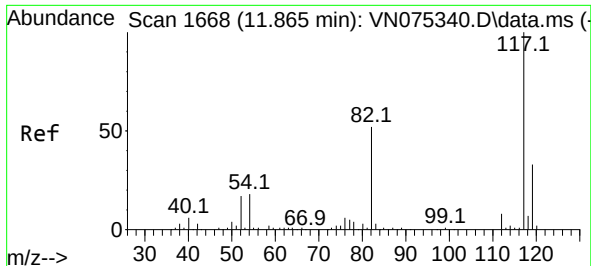
Ion Ratio Lower Upper

95 100

174 80.3 0.0 147.4

176 80.0 0.0 142.2

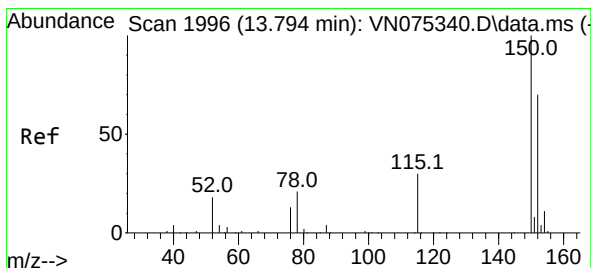
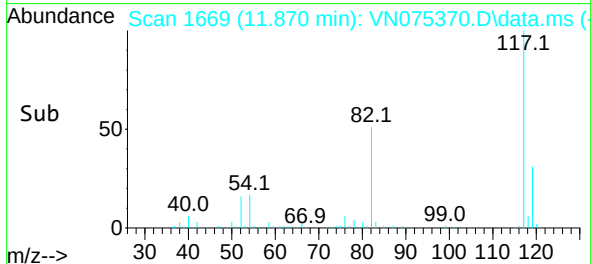
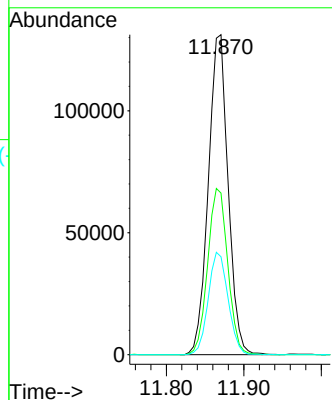
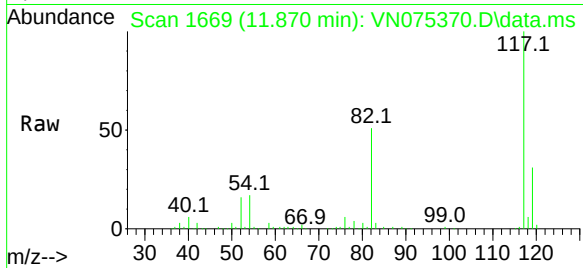




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.005 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

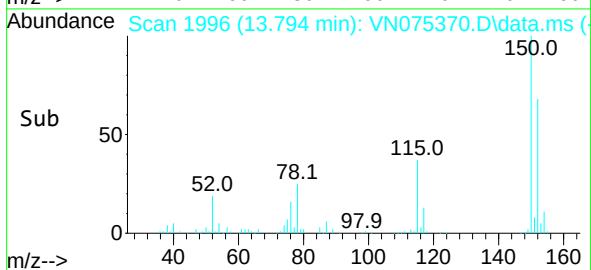
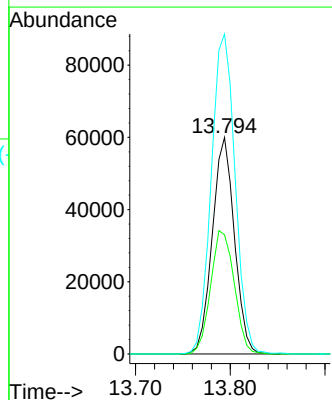
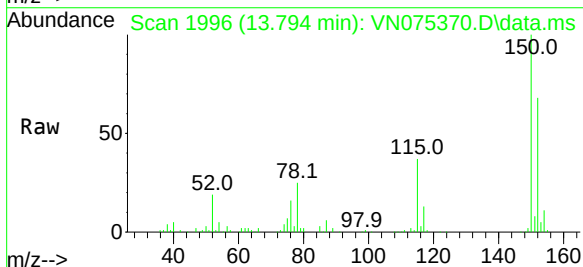
Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02

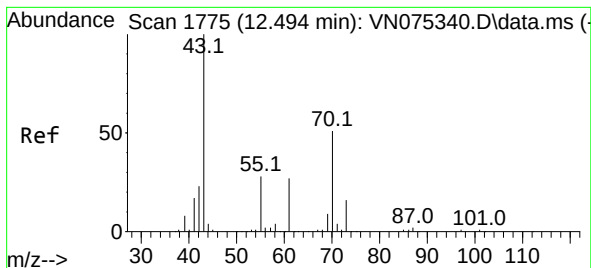
Tgt Ion:117 Resp: 232357
Ion Ratio Lower Upper
117 100
82 50.5 43.1 64.7
119 30.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Tgt Ion:152 Resp: 97392
Ion Ratio Lower Upper
152 100
115 60.7 30.2 90.6
150 158.9 0.0 348.4





#74

N-amy1 acetate

Concen: 0.496 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN075370.D

Acq: 22 Nov 2022 16:08

Instrument :

MSVOA_N

ClientSampleId :

PB149226ZHE#02

Tgt Ion: 43 Resp: 1086

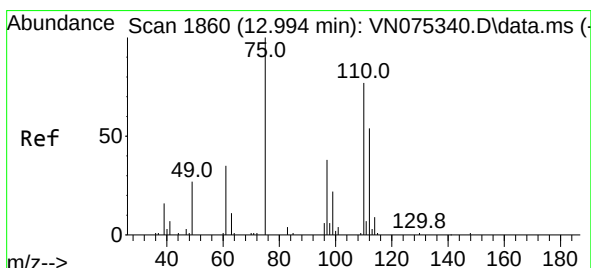
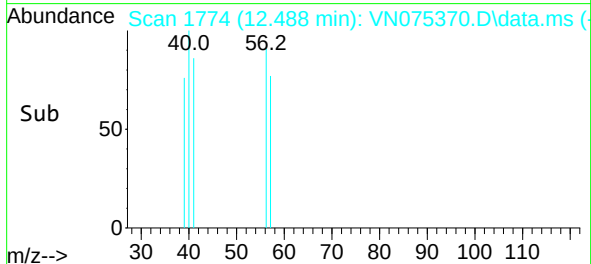
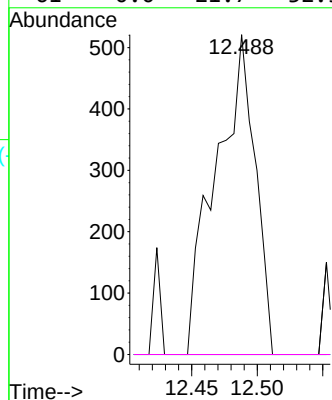
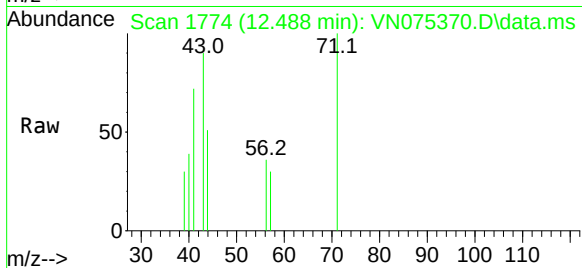
Ion Ratio Lower Upper

43 100

70 0.0 39.8 59.8#

55 0.0 19.9 29.9#

61 0.0 21.7 32.5#



#76

1,2,3-Trichloropropane

Concen: 21.770 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. -0.141 min

Lab File: VN075370.D

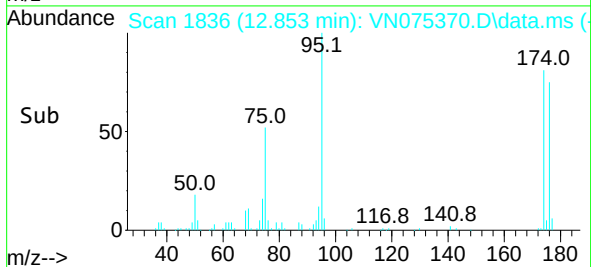
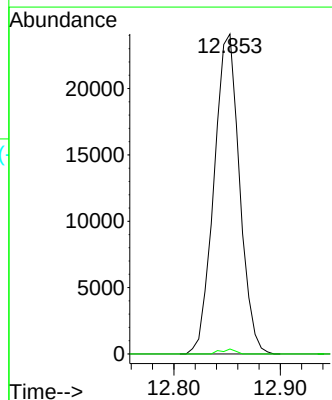
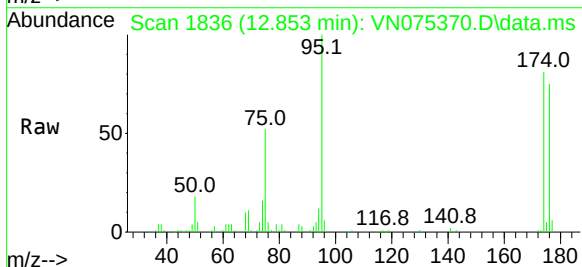
Acq: 22 Nov 2022 16:08

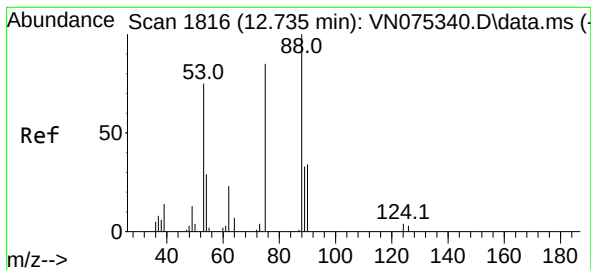
Tgt Ion: 75 Resp: 40087

Ion Ratio Lower Upper

75 100

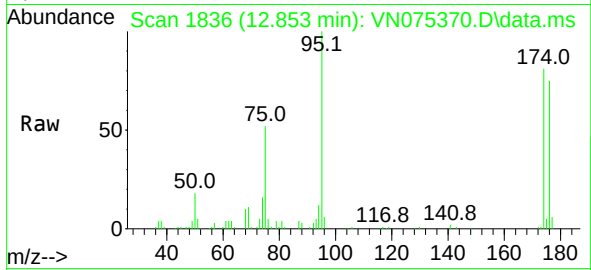
77 0.9 75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 64.411 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075370.D
Acq: 22 Nov 2022 16:08

Instrument :
MSVOA_N
ClientSampleId :
PB149226ZHE#02



Tgt Ion: 75 Resp: 40087
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

