

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112322\
 Data File : VN075398.D
 Acq On : 23 Nov 2022 15:59
 Operator : JC\MD
 Sample : PB149245ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149245ZHE#01

Quant Time: Nov 24 06:52:29 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)

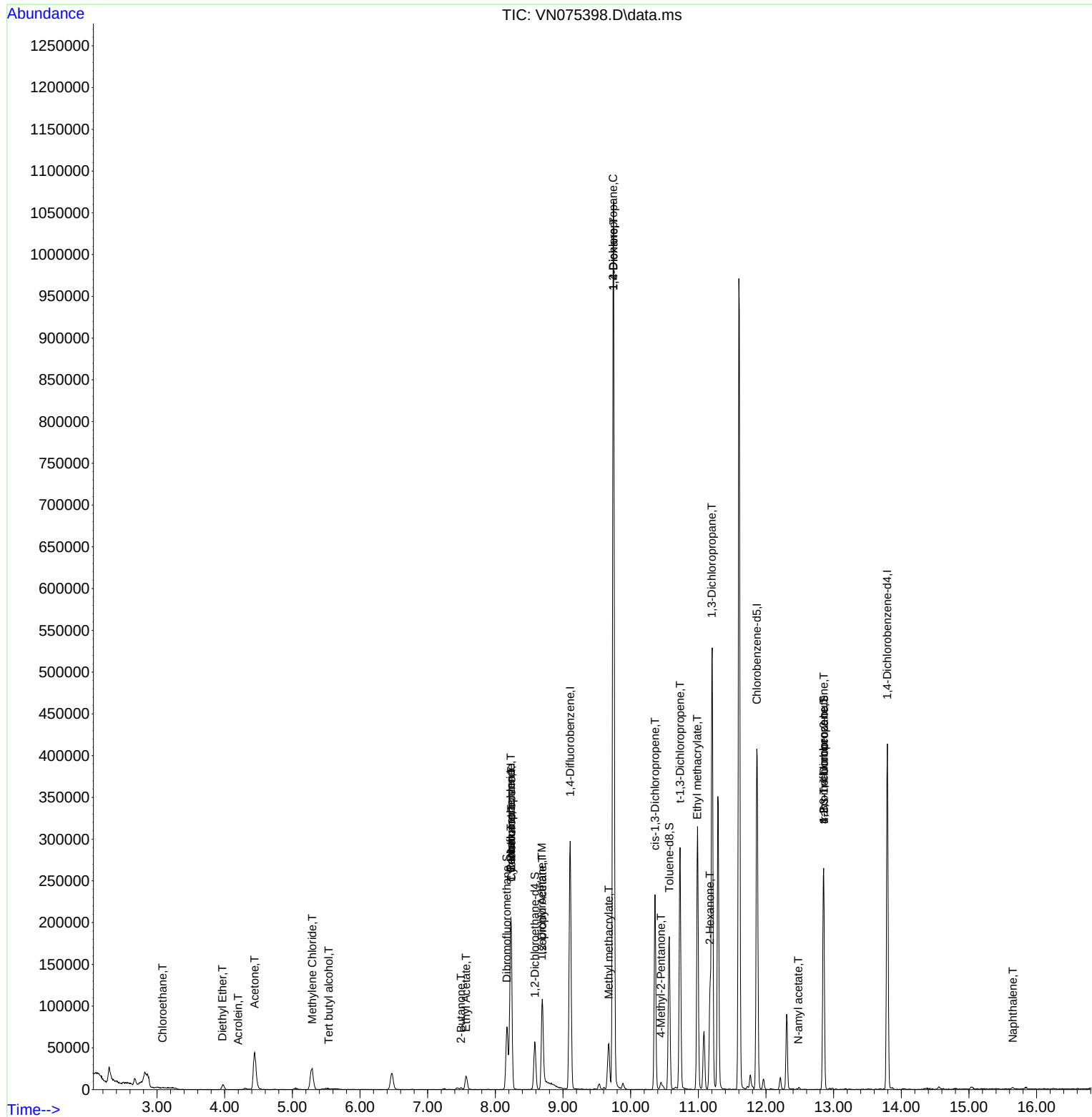
Internal Standards						
1) Pentafluorobenzene	8.229	168	162307	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	258719	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	44755	51.369	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.740%			
35) Dibromofluoromethane	8.171	113	54686	50.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.180%			
50) Toluene-d8	10.570	98	130040	52.885	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.760%			
62) 4-Bromofluorobenzene	12.853	95	93130	51.312	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.620%			
Target Compounds						Qvalue
6) Chloroethane	3.083	64	299	0.203	ug/l #	80
8) Diethyl Ether	3.965	74	4296	4.408	ug/l	94
11) Tert butyl alcohol	5.536	59	617	1.687	ug/l #	72
13) Acrolein	4.200	56	78	0.245	ug/l	100
16) Acetone	4.441	43	81812	100.673	ug/l	89
18) Methyl Acetate	5.036	43	1708	Below Cal	#	71
20) Methylene Chloride	5.294	84	21881	12.314	ug/l	95
25) 2-Butanone	7.494	43	3146	2.773	ug/l	94
31) Cyclohexane	8.235	56	3164	1.143	ug/l #	24
36) 1,1-Dichloropropene	8.235	75	11602	4.873	ug/l #	50
37) Ethyl Acetate	7.565	43	23220	10.831	ug/l	97
38) Carbon Tetrachloride	8.229	117	16556	6.330	ug/l #	17
42) 1,2-Dichloroethane	8.688	62	626	0.256	ug/l #	75
43) Isopropyl Acetate	8.694	43	119656	34.773	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1282	0.738	ug/l #	42
48) Methyl methacrylate	9.676	41	2994	1.882	ug/l #	37
49) 1,4-Dioxane	9.747	88	56	1.239	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	8610	3.928	ug/l #	74
53) t-1,3-Dichloropropene	10.729	75	875	0.343	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	45896	16.543	ug/l #	63
56) Ethyl methacrylate	10.982	69	824	0.319	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6421	2.058	ug/l #	42
59) 2-Hexanone	11.170	43	90886	55.225	ug/l #	21
74) N-amyl acetate	12.476	43	1505	0.566	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	45084	20.151	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	45084	59.622	ug/l #	10
95) Naphthalene	15.647	128	2165	0.341	ug/l #	93

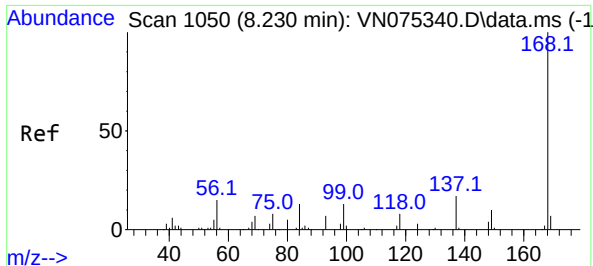
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

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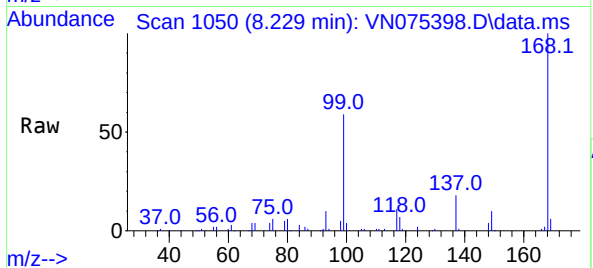
Quant Time: Nov 24 06:52:29 2022
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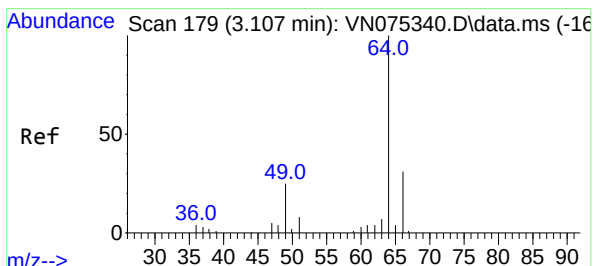
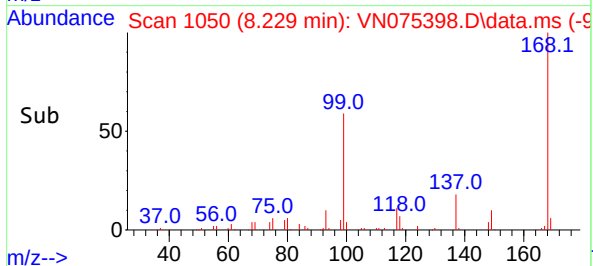
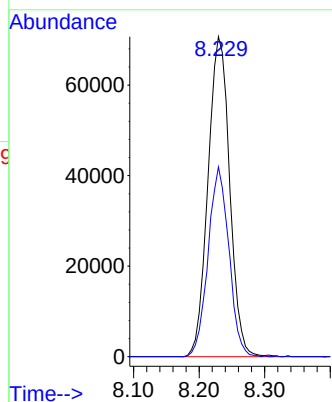


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

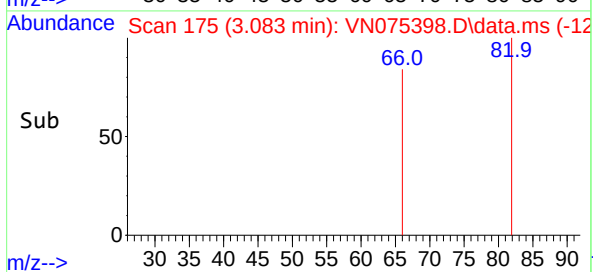
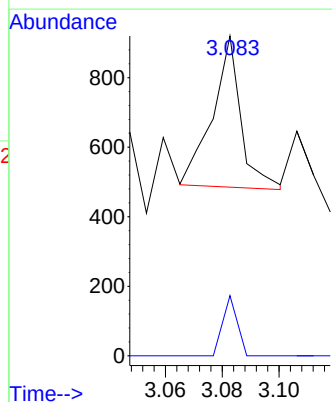
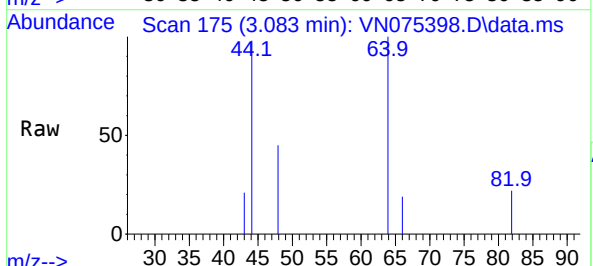


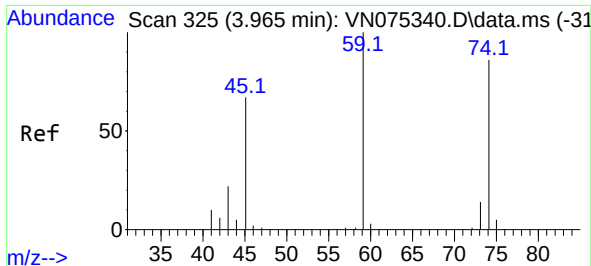
Tgt Ion:168 Resp: 162307
Ion Ratio Lower Upper
168 100
99 59.3 51.6 77.4



#6
Chloroethane
Concen: 0.203 ug/l
RT: 3.083 min Scan# 175
Delta R.T. -0.024 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 64 Resp: 299
Ion Ratio Lower Upper
64 100
66 40.4 23.8 35.8#





#8

Diethyl Ether

Concen: 4.408 ug/l

RT: 3.965 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN075398.D

Acq: 23 Nov 2022 15:59

Instrument :

MSVOA_N

ClientSampleId :

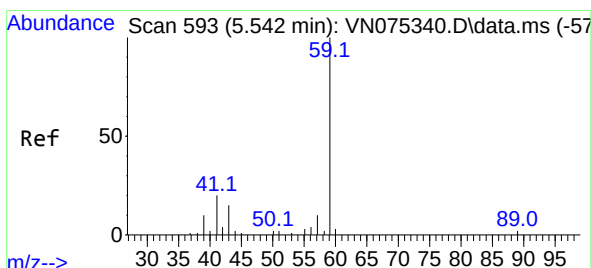
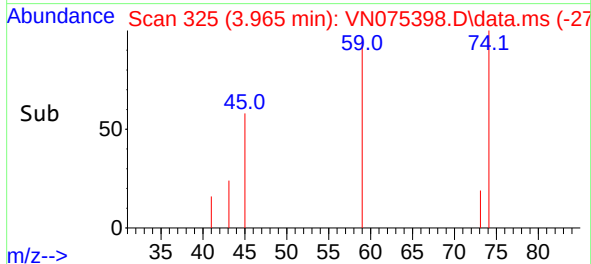
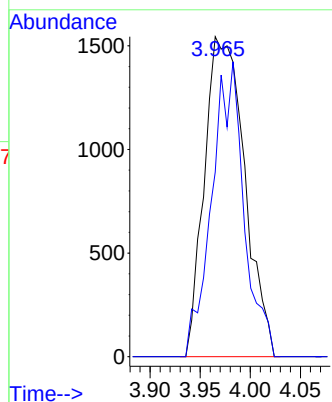
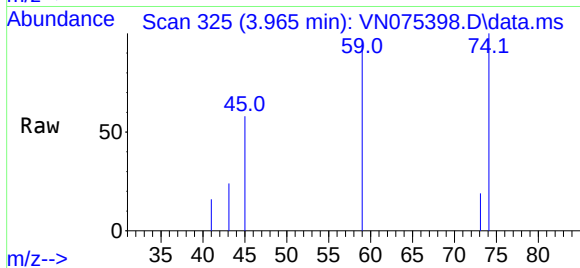
PB149245ZHE#01

Tgt Ion: 74 Resp: 4296

Ion Ratio Lower Upper

74 100

45 73.6 39.3 117.9



#11

Tert butyl alcohol

Concen: 1.687 ug/l

RT: 5.536 min Scan# 592

Delta R.T. -0.006 min

Lab File: VN075398.D

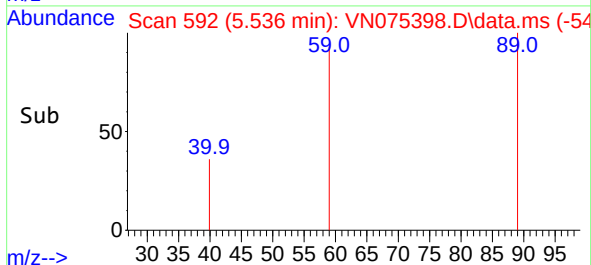
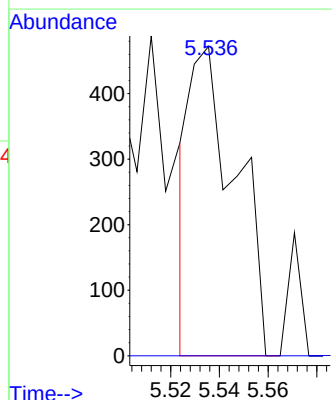
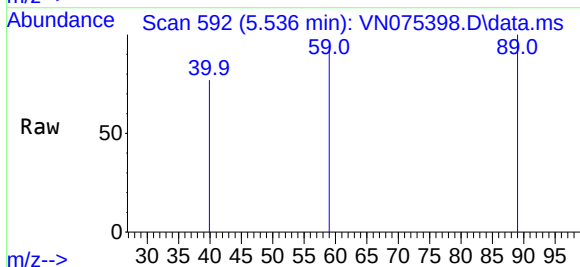
Acq: 23 Nov 2022 15:59

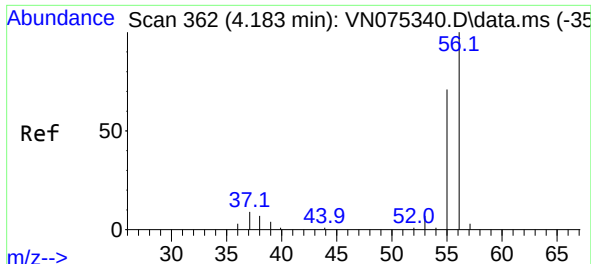
Tgt Ion: 59 Resp: 617

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

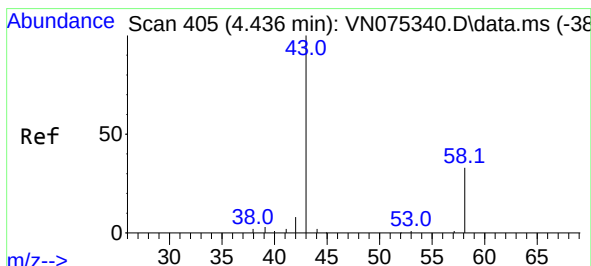
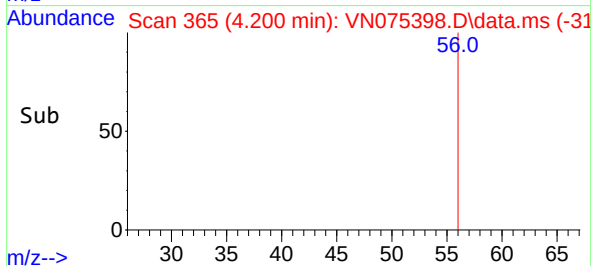
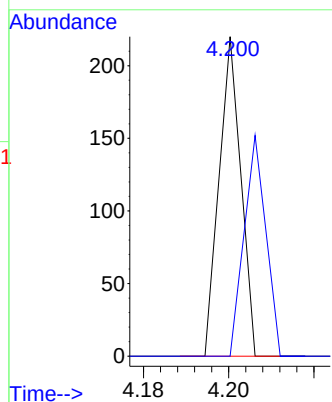
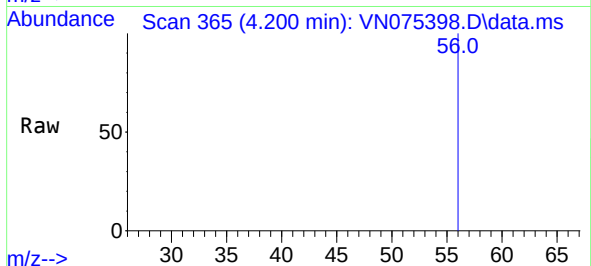




#13
Acrolein
Concen: 0.245 ug/l
RT: 4.200 min Scan# 362
Delta R.T. 0.017 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

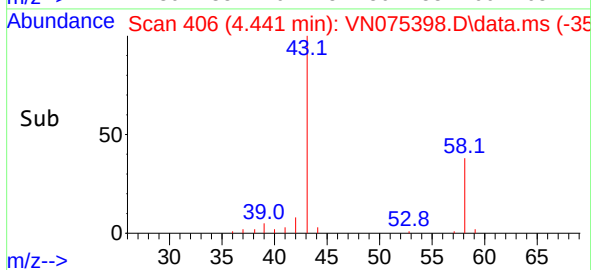
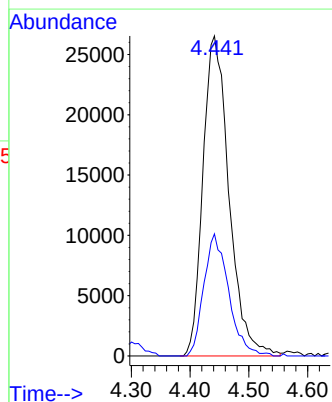
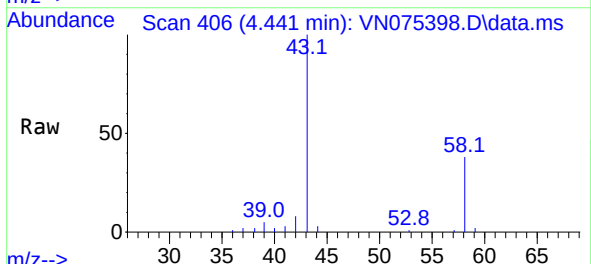
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

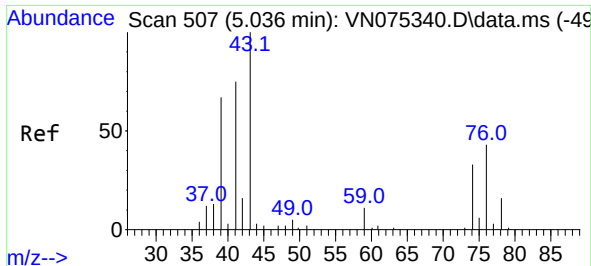
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 69.2 55.2 82.8



#16
Acetone
Concen: 100.673 ug/l
RT: 4.441 min Scan# 406
Delta R.T. 0.005 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 43 Resp: 81812
Ion Ratio Lower Upper
43 100
58 38.2 25.5 38.3

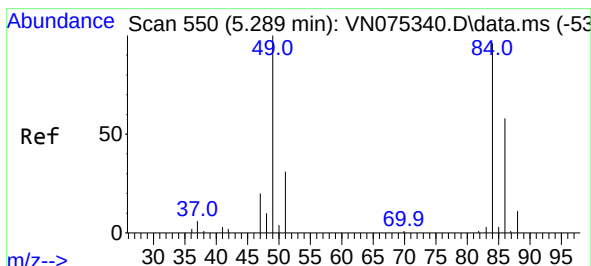
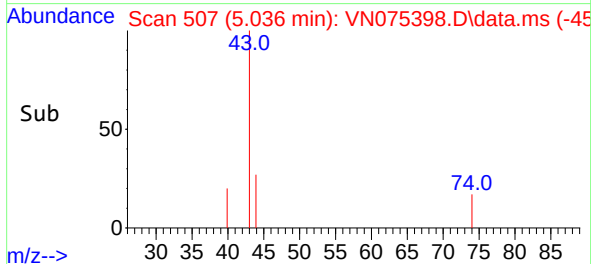
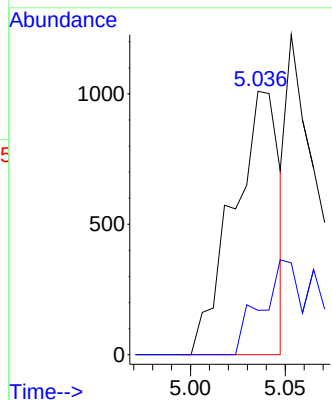
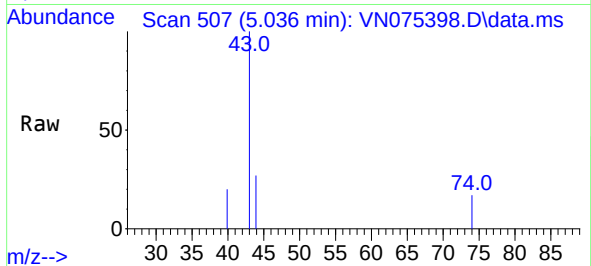




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

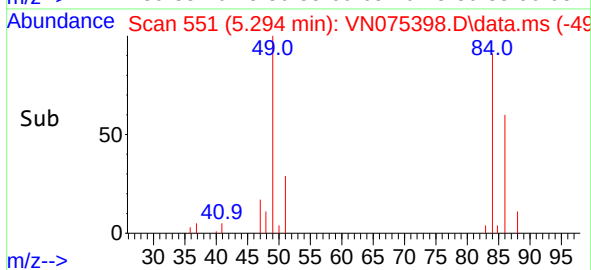
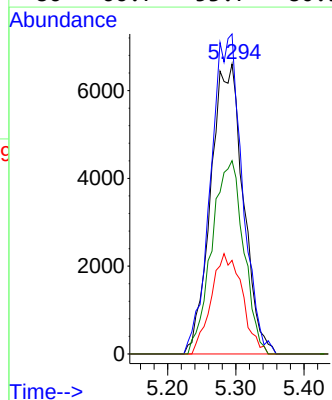
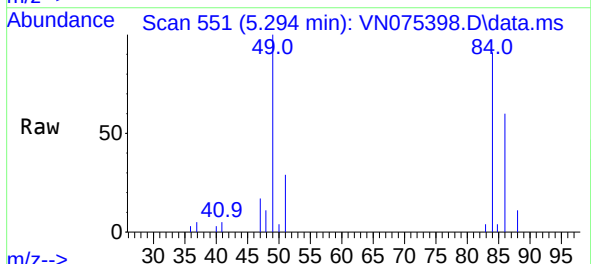
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

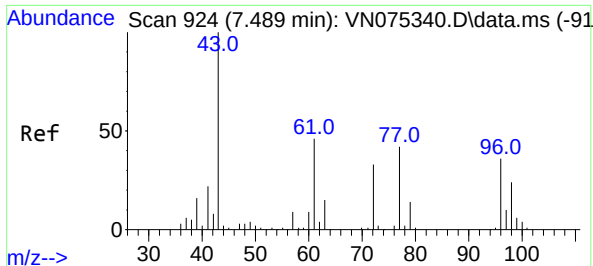
Tgt Ion: 43 Resp: 1708
Ion Ratio Lower Upper
43 100
74 42.6 22.0 33.0#



#20
Methylene Chloride
Concen: 12.314 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 84 Resp: 21881
Ion Ratio Lower Upper
84 100
49 110.4 94.9 142.3
51 32.3 26.8 40.2
86 66.7 53.7 80.5





#25

2-Butanone

Concen: 2.773 ug/l

RT: 7.494 min Scan# 91

Delta R.T. 0.005 min

Lab File: VN075398.D

Acq: 23 Nov 2022 15:59

Instrument :

MSVOA_N

ClientSampleId :

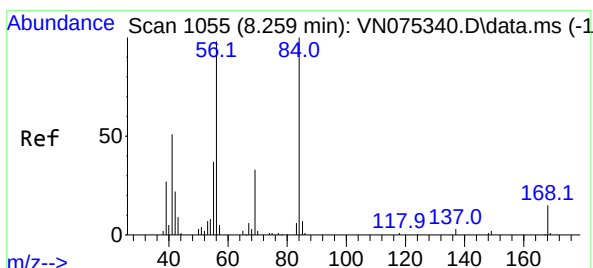
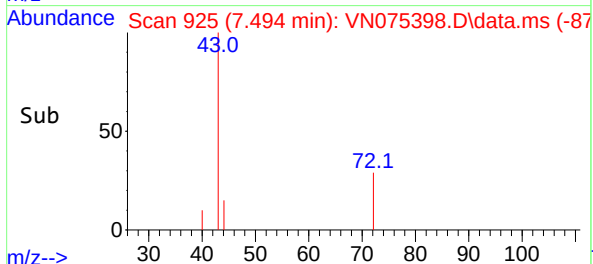
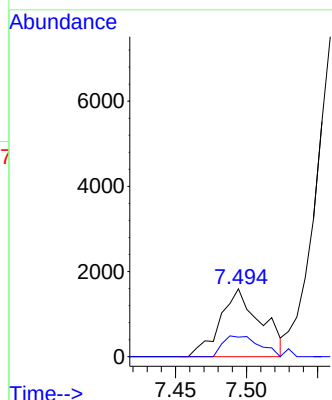
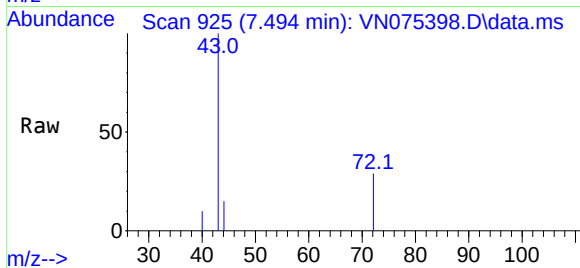
PB149245ZHE#01

Tgt Ion: 43 Resp: 3146

Ion Ratio Lower Upper

43 100

72 28.8 25.5 38.3



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.024 min

Lab File: VN075398.D

Acq: 23 Nov 2022 15:59

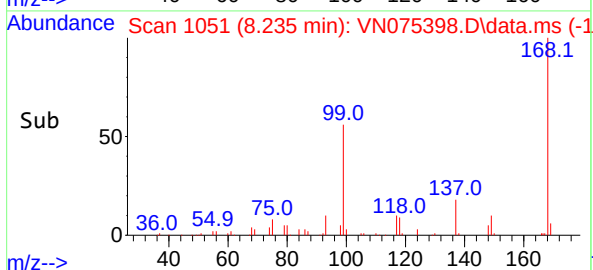
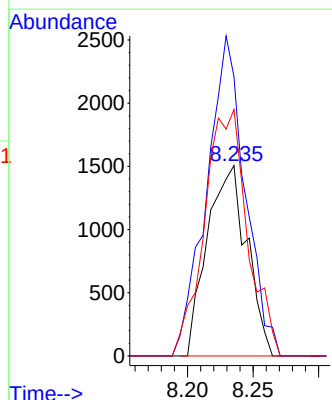
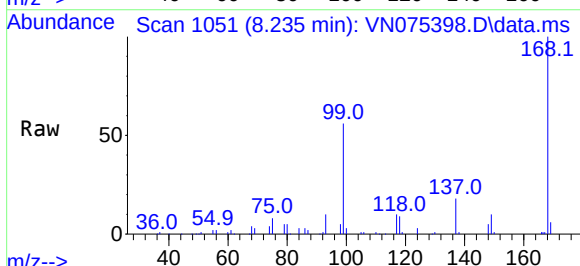
Tgt Ion: 56 Resp: 3164

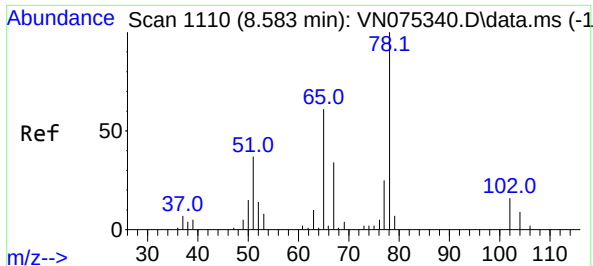
Ion Ratio Lower Upper

56 100

69 146.7 25.2 37.8#

84 129.4 77.8 116.8#

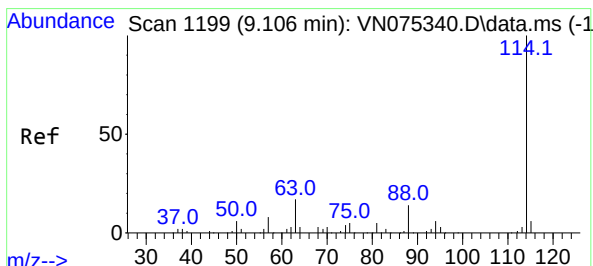
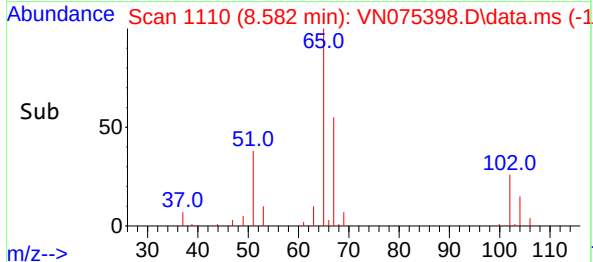
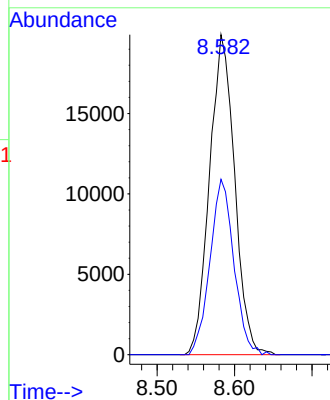
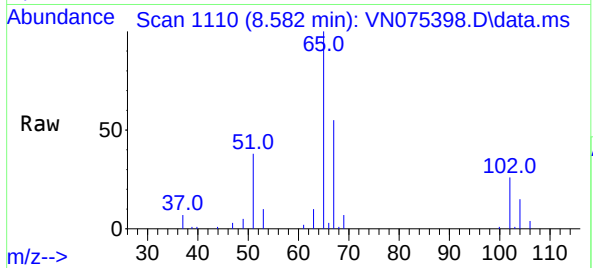




#33
1,2-Dichloroethane-d4
Concen: 51.369 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

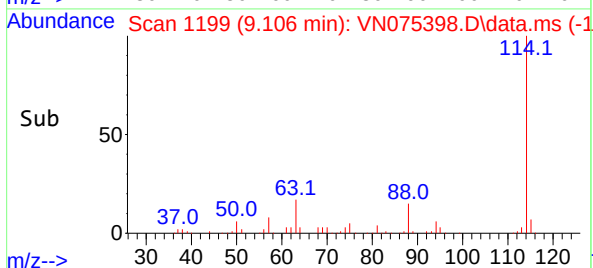
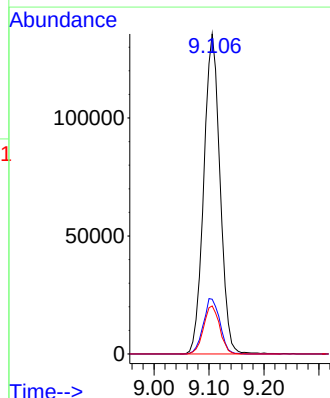
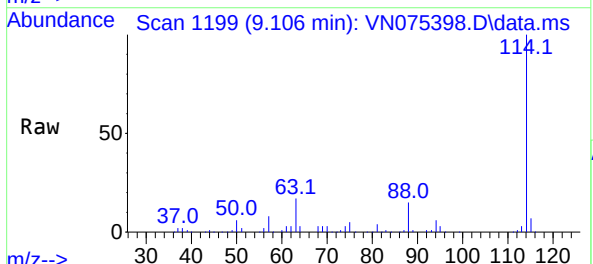
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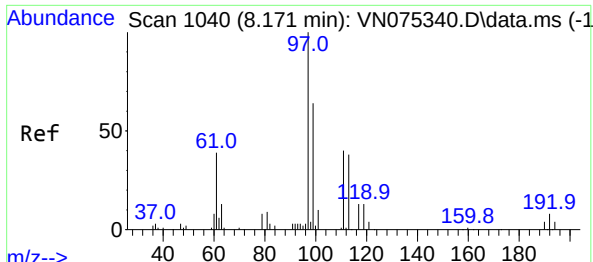
Tgt Ion: 65 Resp: 44755
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

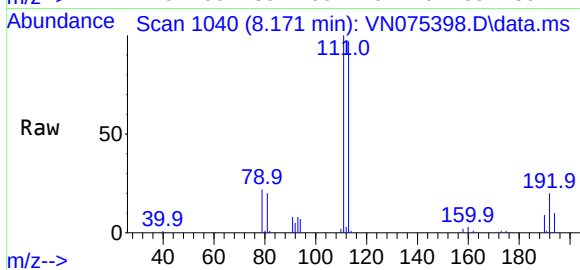
Tgt Ion: 114 Resp: 277919
Ion Ratio Lower Upper
114 100
63 17.1 0.0 39.6
88 15.0 0.0 29.0



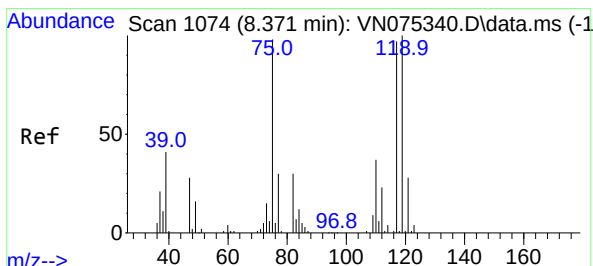
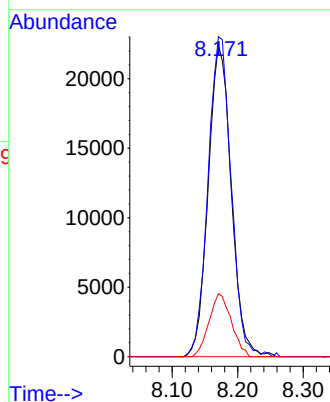
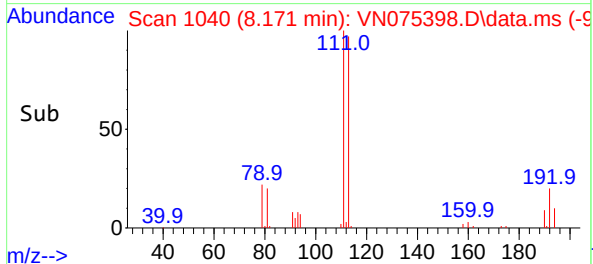


#35
Dibromofluoromethane
Concen: 50.090 ug/l
RT: 8.171 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

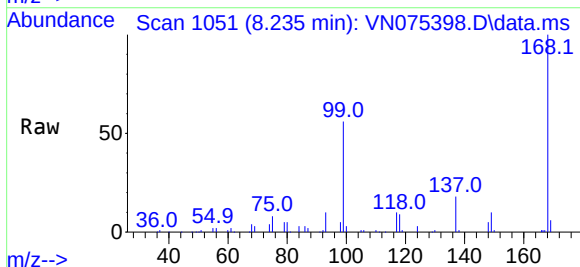
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01



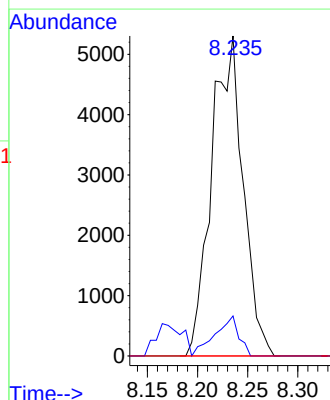
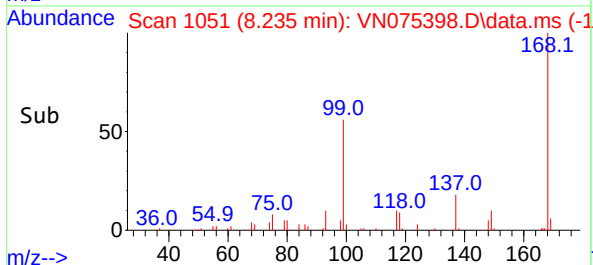
Tgt Ion:113 Resp: 54686
Ion Ratio Lower Upper
113 100
111 102.9 80.5 120.7
192 19.6 13.2 19.8

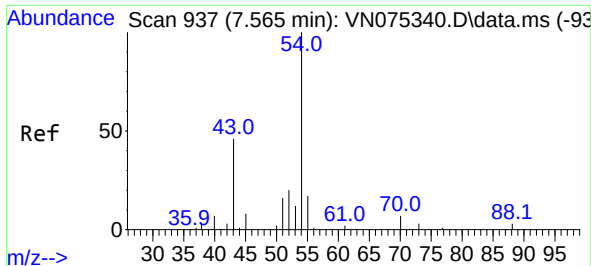


#36
1,1-Dichloropropene
Concen: 4.873 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.136 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59



Tgt Ion: 75 Resp: 11602
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 24.6 37.0#

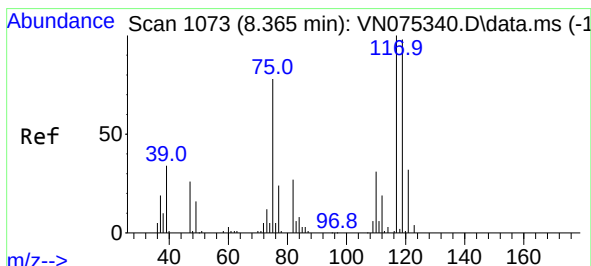
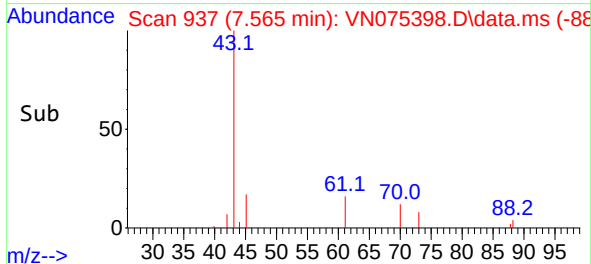
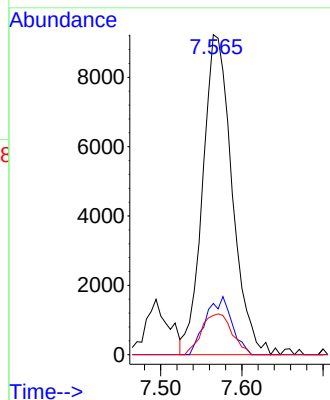
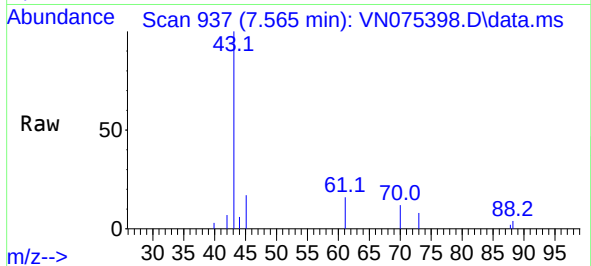




#37
Ethyl Acetate
Concen: 10.831 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

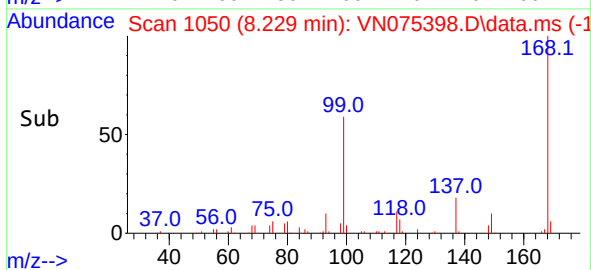
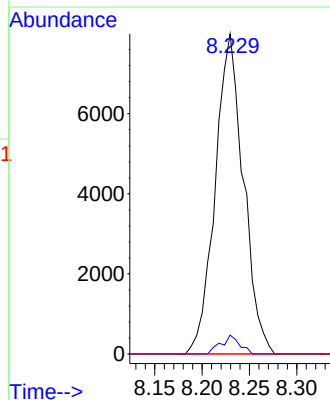
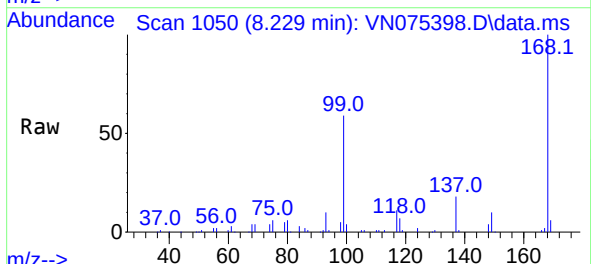
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

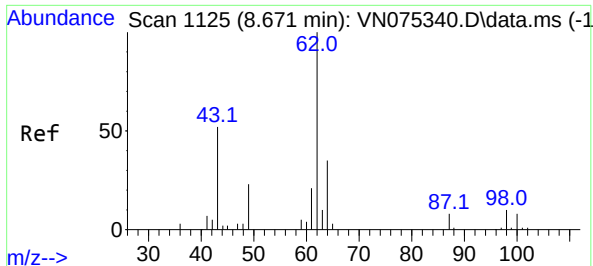
Tgt Ion:	43	Resp:	23220
Ion	Ratio	Lower	Upper
43	100		
61	16.1	12.2	18.4
70	13.2	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.330 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion:	117	Resp:	16556
Ion	Ratio	Lower	Upper
117	100		
119	5.9	76.7	115.1#
121	0.0	23.9	35.9#

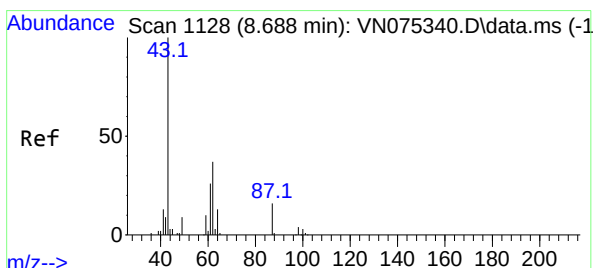
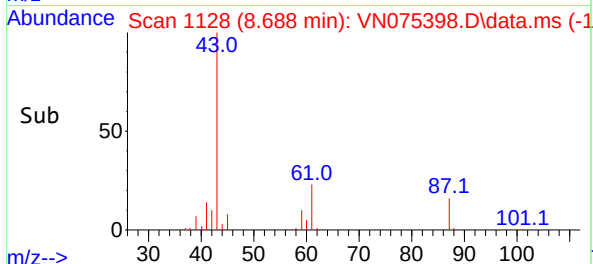
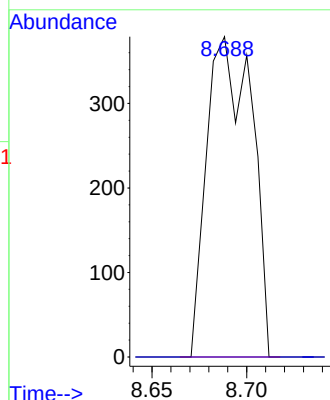
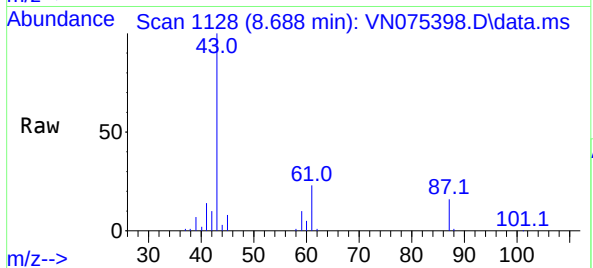




#42
1,2-Dichloroethane
Concen: 0.256 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.017 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

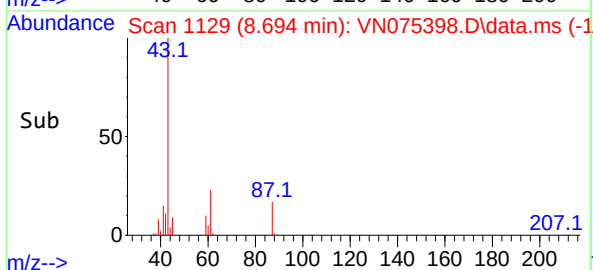
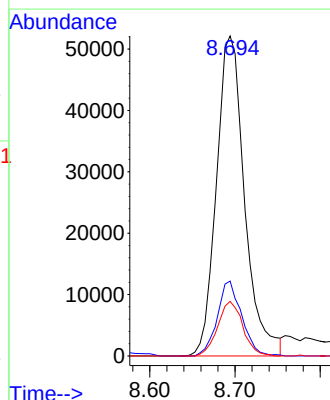
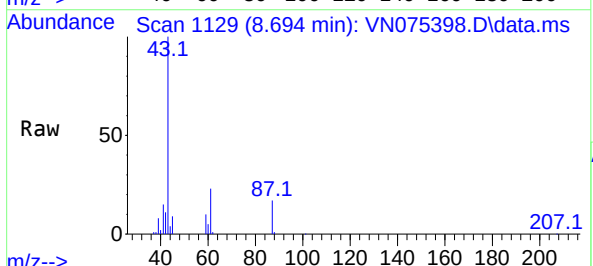
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

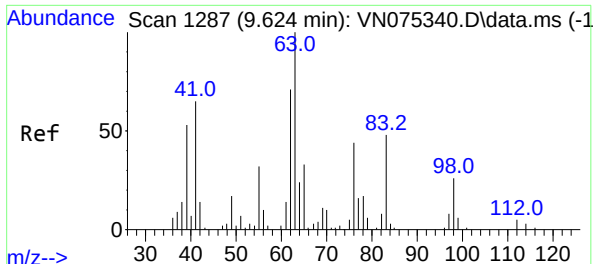
Tgt Ion: 62 Resp: 626
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 34.773 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 43 Resp: 119656
Ion Ratio Lower Upper
43 100
61 20.3 22.4 33.6#
87 15.2 12.5 18.7

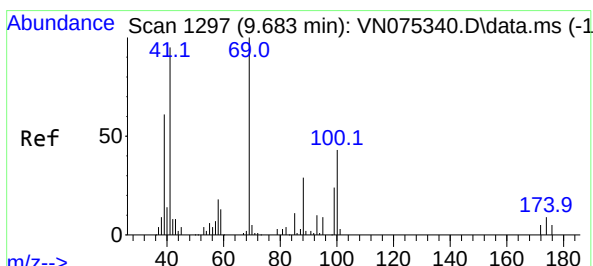
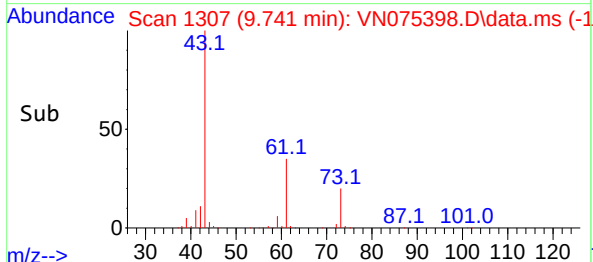
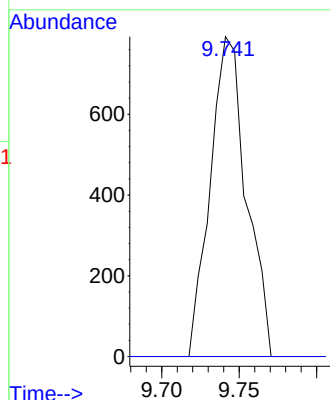
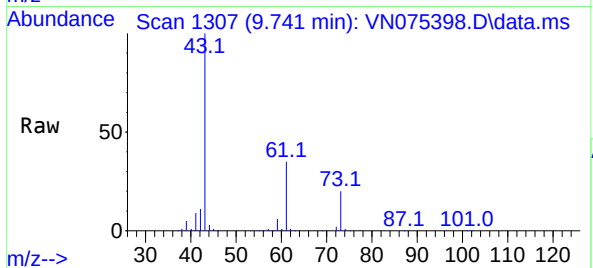




#45
1,2-Dichloropropane
Concen: 0.738 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

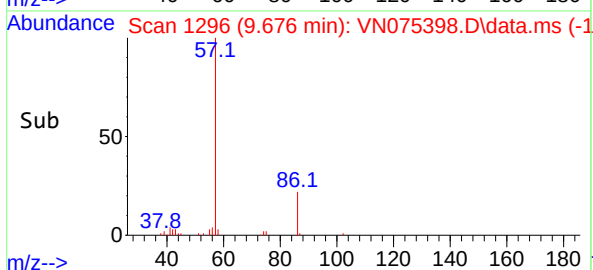
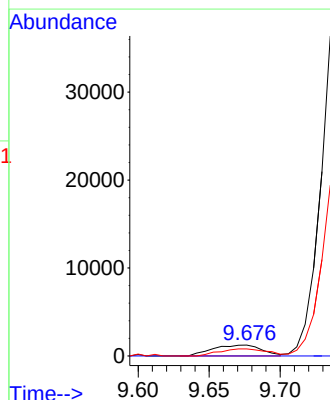
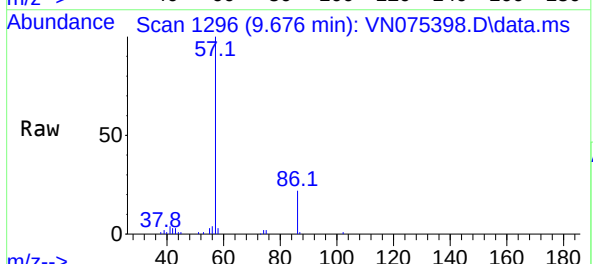
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

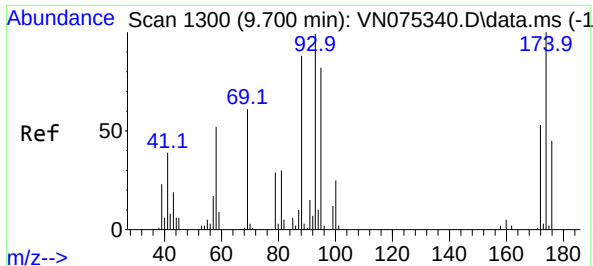
Tgt Ion: 63 Resp: 1282
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.882 ug/l
RT: 9.676 min Scan# 1296
Delta R.T. -0.007 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 41 Resp: 2994
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 62.6 56.2 84.2

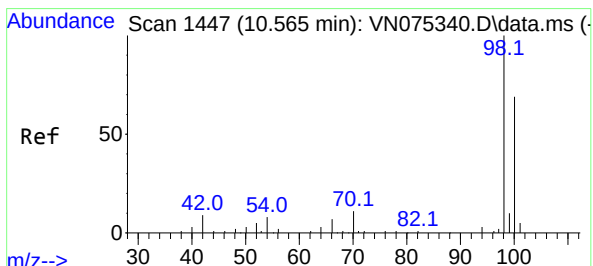
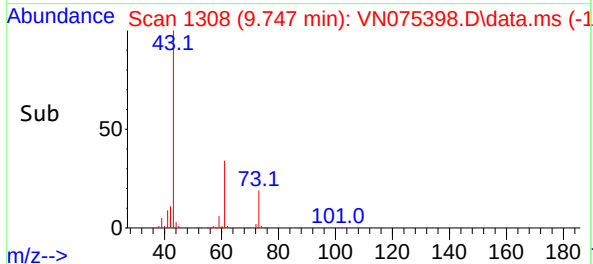
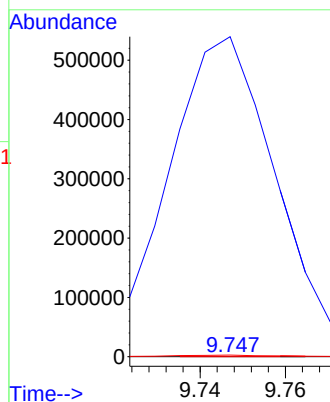
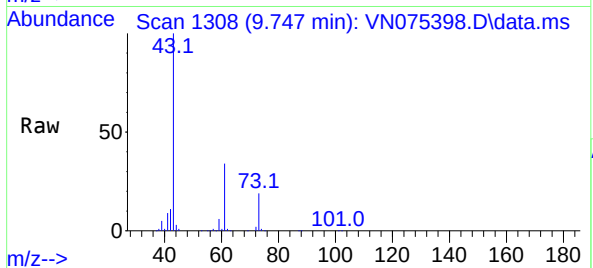




#49
1,4-Dioxane
Concen: 1.239 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

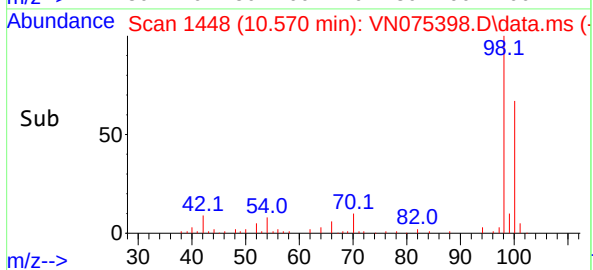
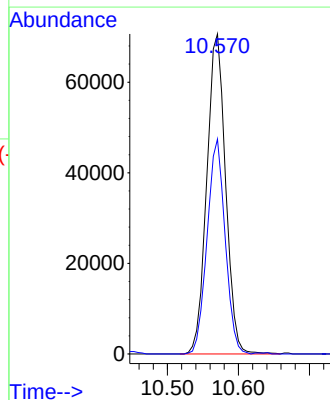
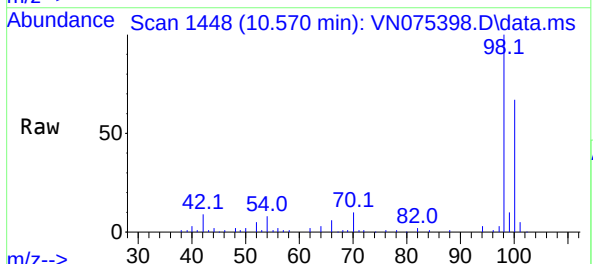
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

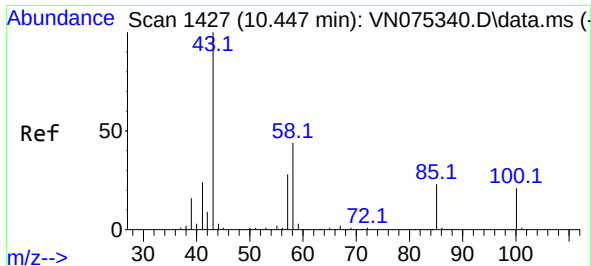
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 1736019.6 17.5 26.3#
58 7908.9 49.8 74.8#



#50
Toluene-d8
Concen: 52.885 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. 0.005 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 98 Resp: 130040
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 3.928 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. -0.000 min

Lab File: VN075398.D

Acq: 23 Nov 2022 15:59

Instrument :

MSVOA_N

ClientSampleId :

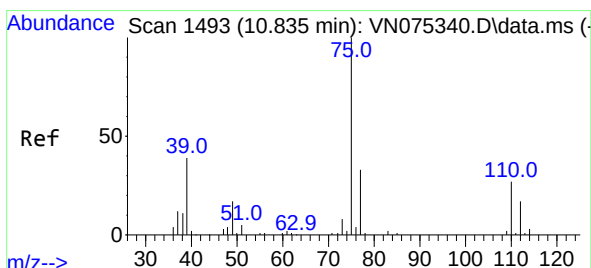
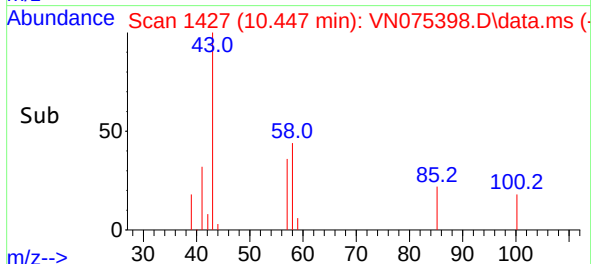
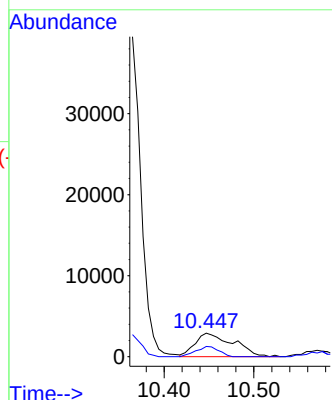
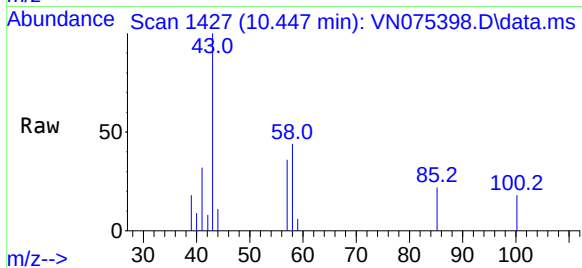
PB149245ZHE#01

Tgt Ion: 43 Resp: 8610

Ion Ratio Lower Upper

43 100

58 25.9 33.6 50.4#



#53

t-1,3-Dichloropropene

Concen: 0.343 ug/l

RT: 10.729 min Scan# 1475

Delta R.T. -0.106 min

Lab File: VN075398.D

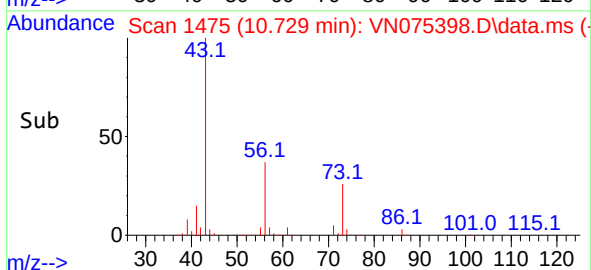
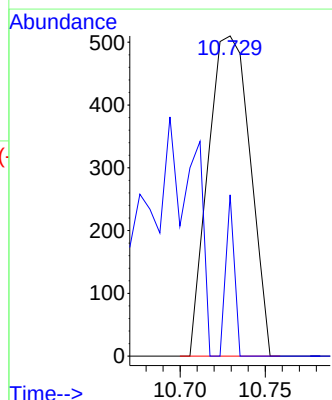
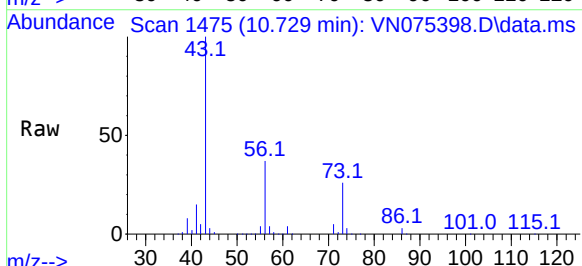
Acq: 23 Nov 2022 15:59

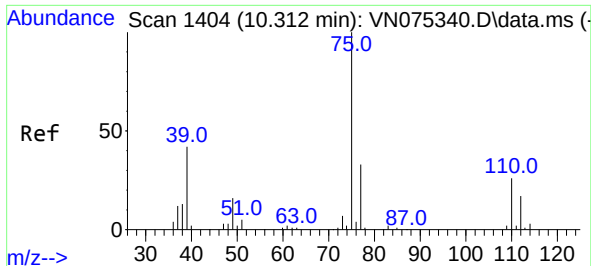
Tgt Ion: 75 Resp: 875

Ion Ratio Lower Upper

75 100

77 50.4 25.4 38.2#

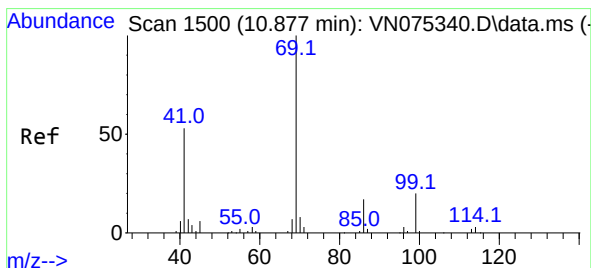
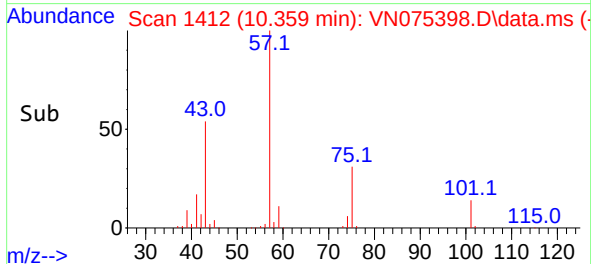
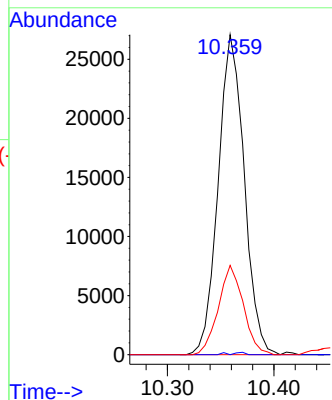
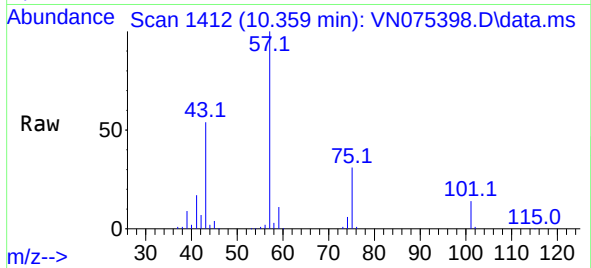




#54
cis-1,3-Dichloropropene
Concen: 16.543 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

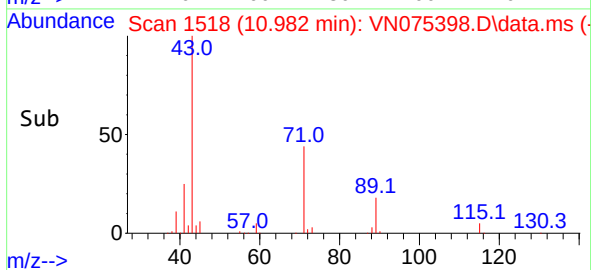
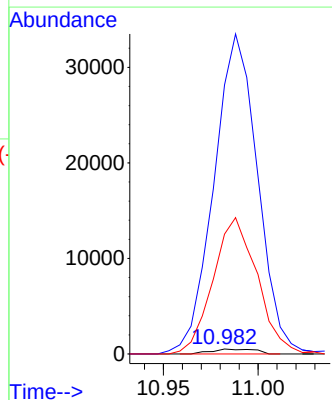
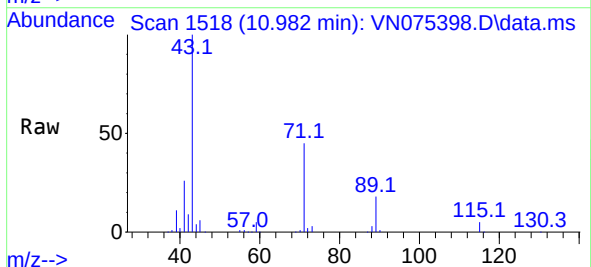
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

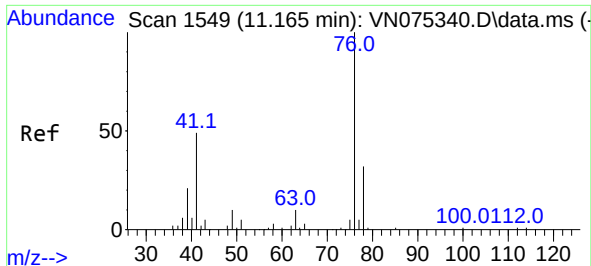
Tgt Ion: 75 Resp: 45896
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 27.9 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.319 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.105 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 69 Resp: 824
Ion Ratio Lower Upper
69 100
41 6552.4 45.6 68.4#
39 2816.3 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 2.058 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075398.D

Acq: 23 Nov 2022 15:59

Instrument :

MSVOA_N

ClientSampleId :

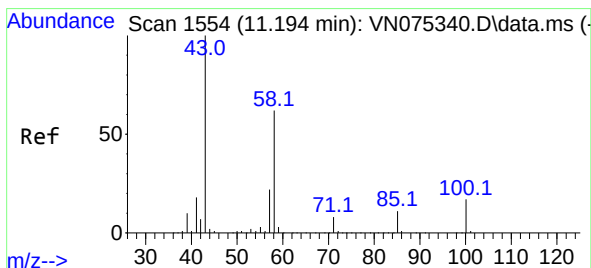
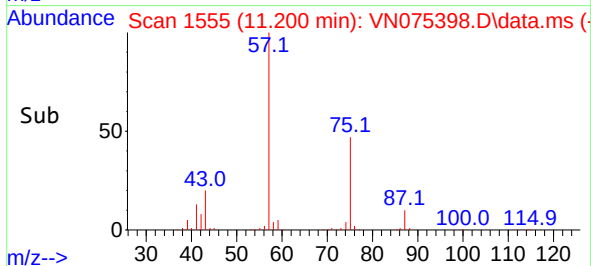
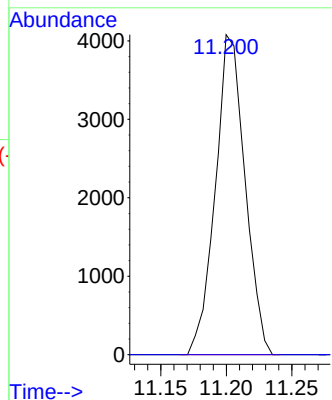
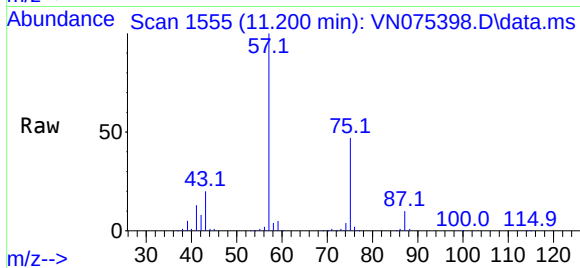
PB149245ZHE#01

Tgt Ion: 76 Resp: 6421

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 55.225 ug/l

RT: 11.170 min Scan# 1550

Delta R.T. -0.024 min

Lab File: VN075398.D

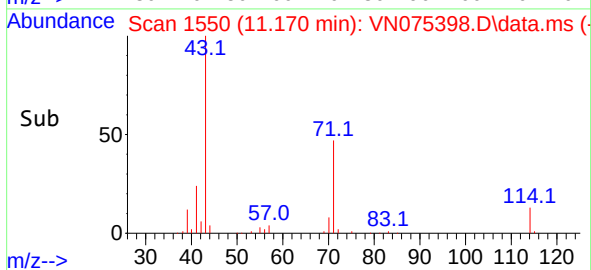
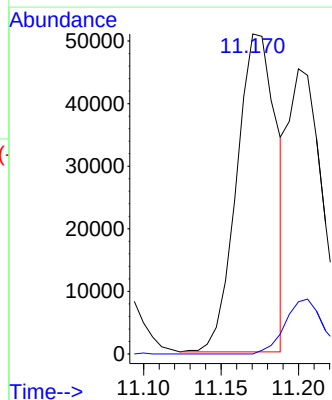
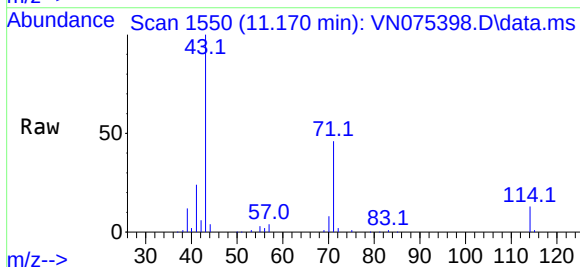
Acq: 23 Nov 2022 15:59

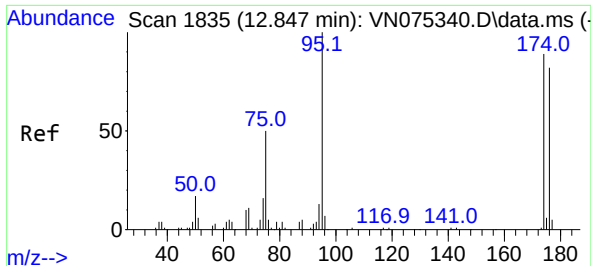
Tgt Ion: 43 Resp: 90886

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#





#62

4-Bromofluorobenzene

Concen: 51.312 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.006 min

Lab File: VN075398.D

Acq: 23 Nov 2022 15:59

Instrument :

MSVOA_N

ClientSampleId :

PB149245ZHE#01

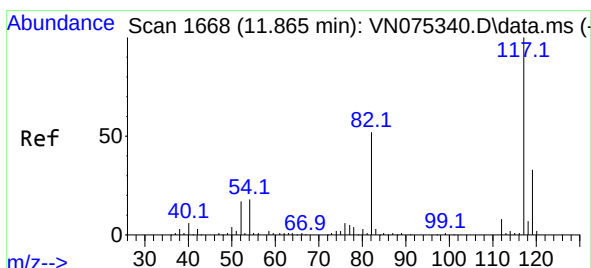
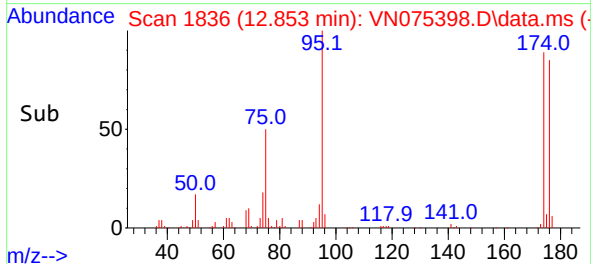
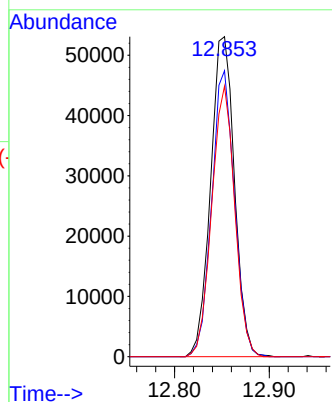
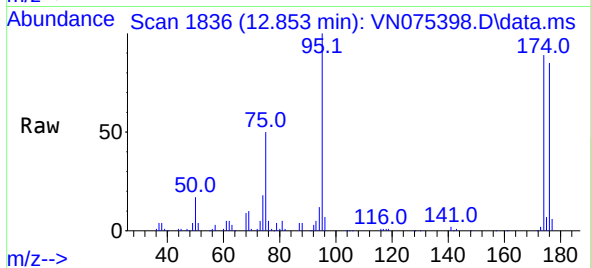
Tgt Ion: 95 Resp: 93130

Ion Ratio Lower Upper

95 100

174 85.4 0.0 147.4

176 81.3 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: VN075398.D

Acq: 23 Nov 2022 15:59

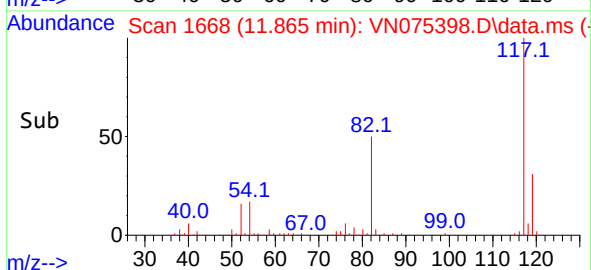
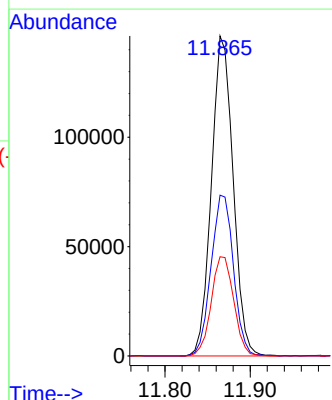
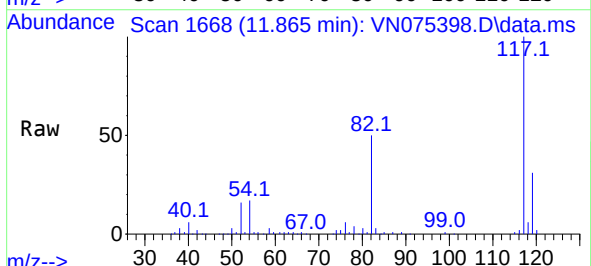
Tgt Ion: 117 Resp: 258719

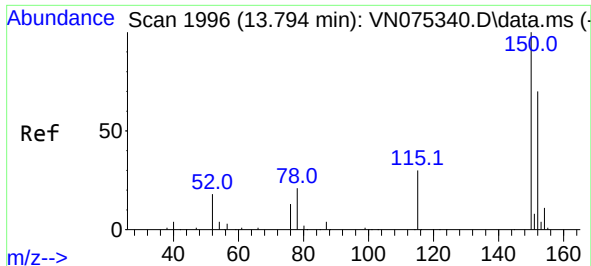
Ion Ratio Lower Upper

117 100

82 50.3 43.1 64.7

119 31.0 25.5 38.3

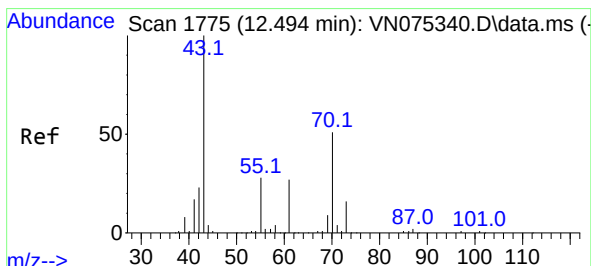
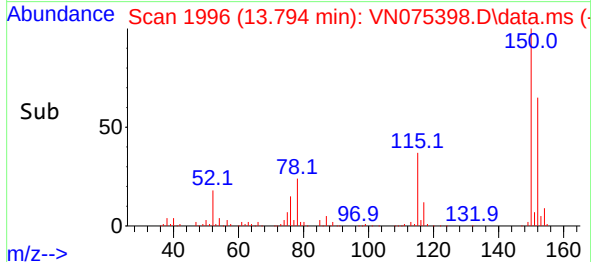
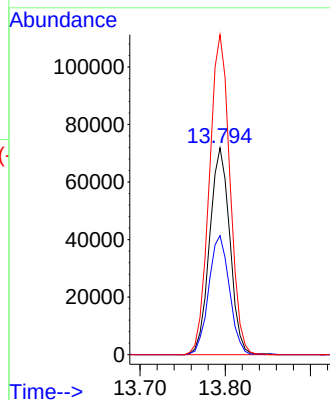
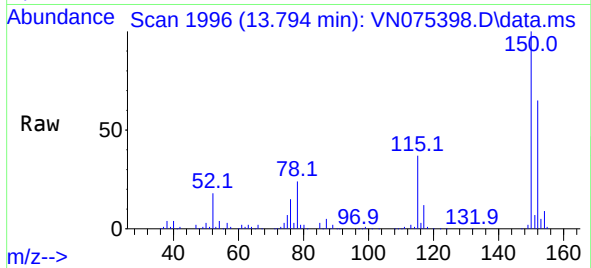




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

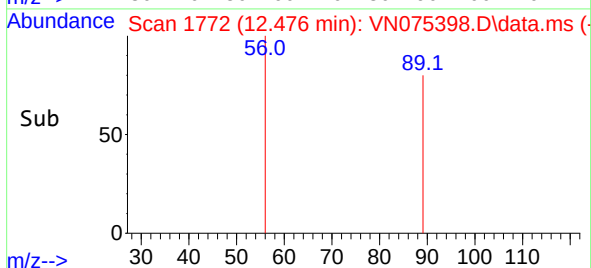
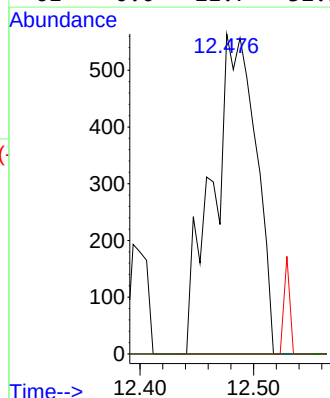
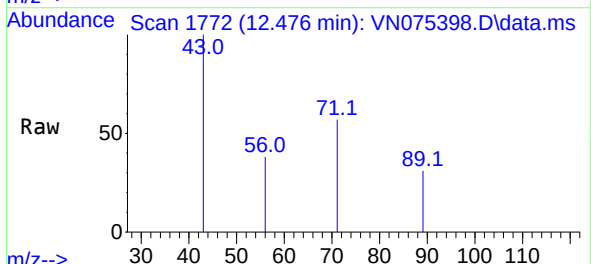
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

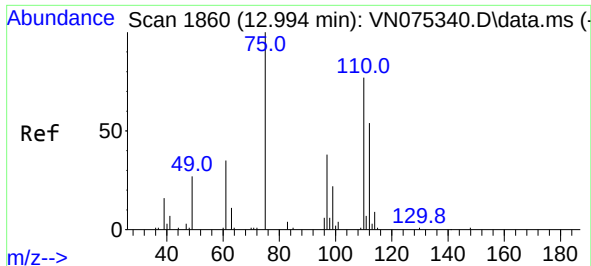
Tgt Ion:152 Resp: 118331
Ion Ratio Lower Upper
152 100
115 59.1 30.2 90.6
150 157.5 0.0 348.4



#74
N-ethyl acetate
Concen: 0.566 ug/l
RT: 12.476 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Tgt Ion: 43 Resp: 1505
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#

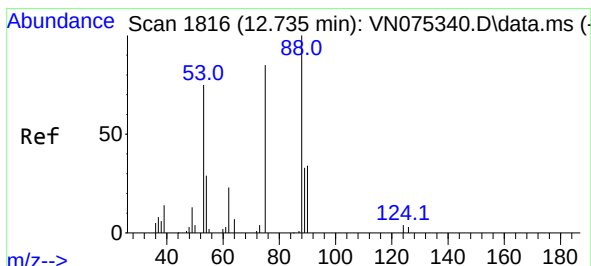
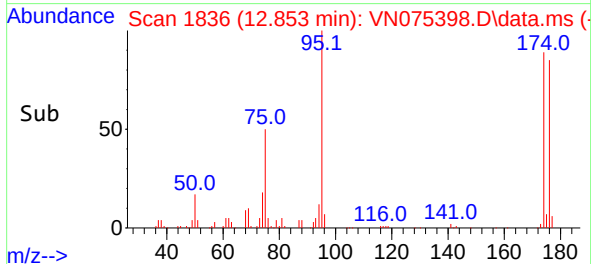
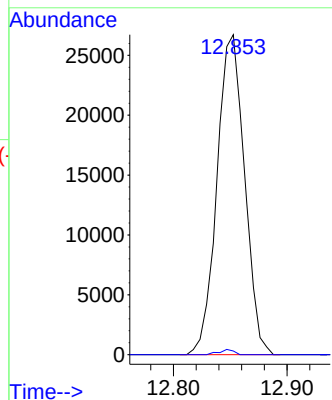
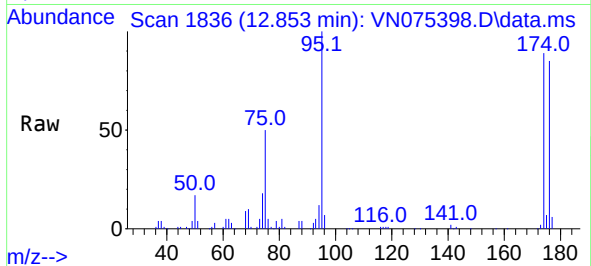




#76
1,2,3-Trichloropropane
Concen: 20.151 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

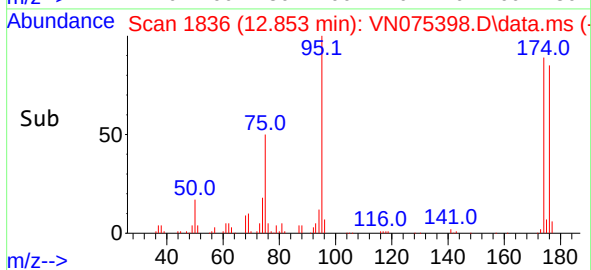
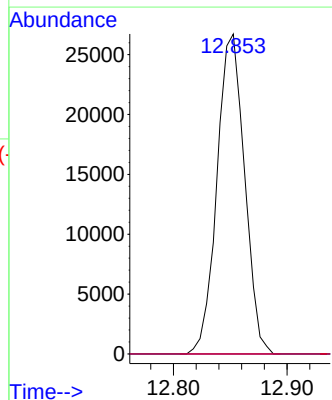
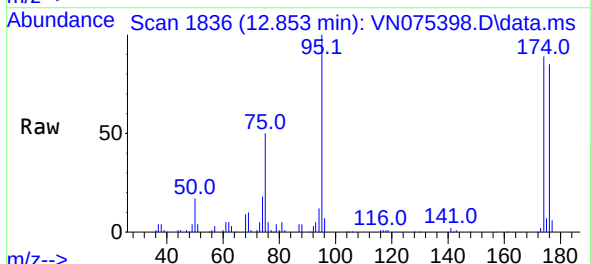
Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01

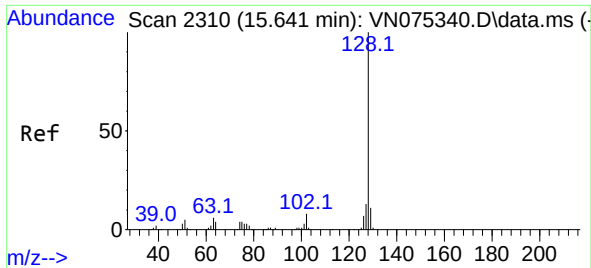
Tgt Ion: 75 Resp: 45084
Ion Ratio Lower Upper
75 100
77 0.9 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.622 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

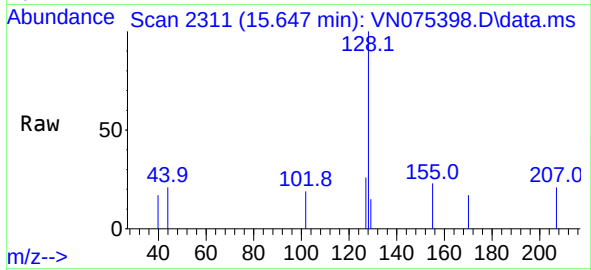
Tgt Ion: 75 Resp: 45084
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#95
Naphthalene
Concen: 0.341 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075398.D
Acq: 23 Nov 2022 15:59

Instrument :
MSVOA_N
ClientSampleId :
PB149245ZHE#01



Tgt Ion:	128	Resp:	2165
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	6.9	8.6	12.8#

