

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120522\
 Data File : VN075570.D
 Acq On : 05 Dec 2022 19:42
 Operator : JC\MD
 Sample : PB149407ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149407ZHE#03

Quant Time: Dec 06 03:26:51 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)

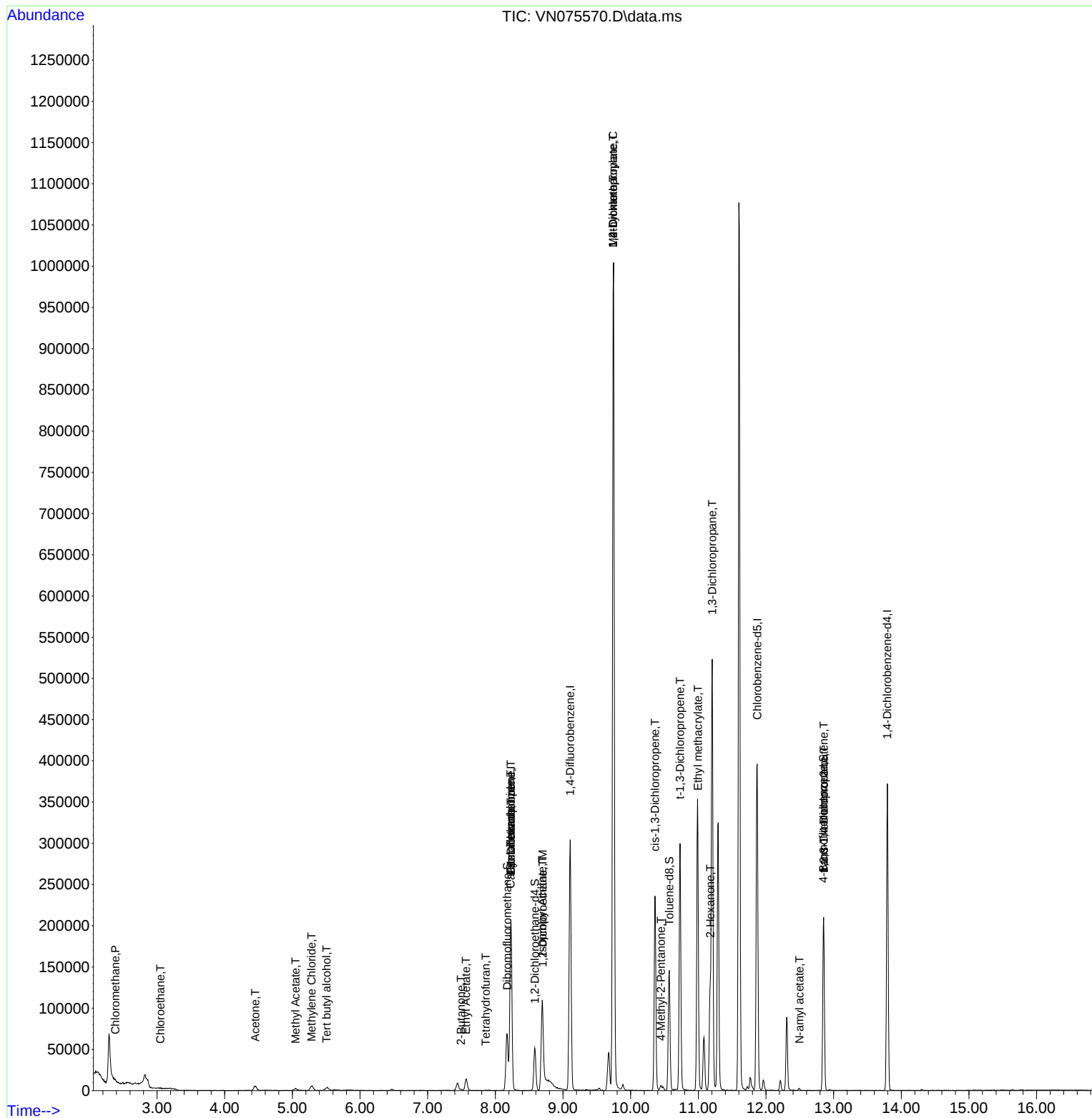
Internal Standards						
1) Pentafluorobenzene	8.230	168	158560	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	251506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	100805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	40488	47.570	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.140%		
35) Dibromofluoromethane	8.177	113	49838	45.443	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.880%		
50) Toluene-d8	10.571	98	104055	42.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	84.260%#		
62) 4-Bromofluorobenzene	12.847	95	70566	38.705	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	77.400%#		
Target Compounds						Qvalue
3) Chloromethane	2.383	50	399	0.264	ug/l #	42
6) Chloroethane	3.048	64	430	0.298	ug/l #	45
11) Tert butyl alcohol	5.506	59	3769	10.549	ug/l #	72
16) Acetone	4.453	43	11354	14.302	ug/l	93
18) Methyl Acetate	5.048	43	4830	1.148	ug/l	99
20) Methylene Chloride	5.283	84	4914	1.820	ug/l	89
25) 2-Butanone	7.494	43	1069	0.964	ug/l #	43
29) Tetrahydrofuran	7.859	42	222	0.329	ug/l #	26
31) Cyclohexane	8.230	56	2928	1.083	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	11627	4.861	ug/l #	50
37) Ethyl Acetate	7.565	43	20598	9.565	ug/l	99
38) Carbon Tetrachloride	8.224	117	15812	6.018	ug/l #	16
42) 1,2-Dichloroethane	8.700	62	535	0.218	ug/l #	75
43) Isopropyl Acetate	8.694	43	131042	37.910	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1319	0.756	ug/l #	42
48) Methyl methacrylate	9.741	41	89681	56.109	ug/l #	33
49) 1,4-Dioxane	9.741	88	62	1.366	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	3853	1.750	ug/l #	84
53) t-1,3-Dichloropropene	10.730	75	963	0.375	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	46722	16.765	ug/l #	63
56) Ethyl methacrylate	10.994	69	860	0.331	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6017	1.920	ug/l #	42
59) 2-Hexanone	11.177	43	103520	62.618	ug/l #	21
74) N-amyl acetate	12.494	43	1129	0.499	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	36260	19.025	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	36260	56.289	ug/l #	10

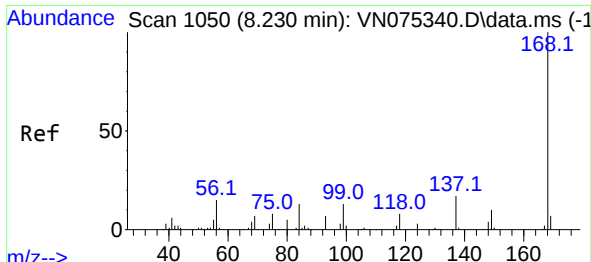
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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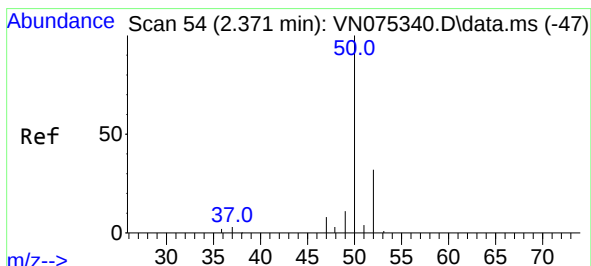
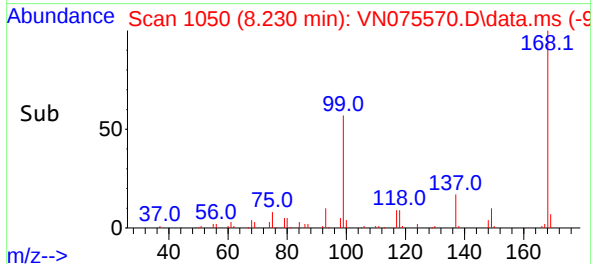
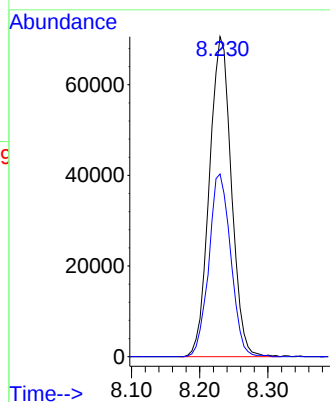
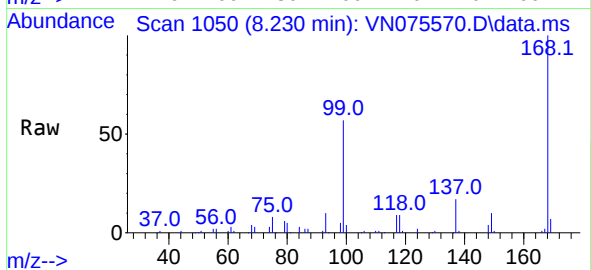




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

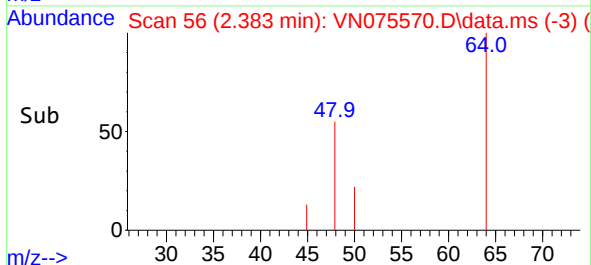
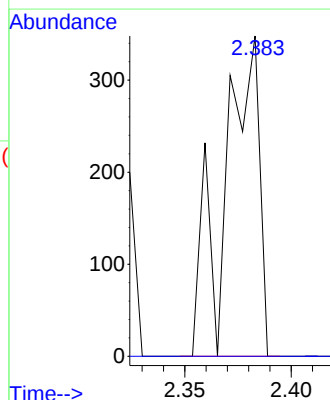
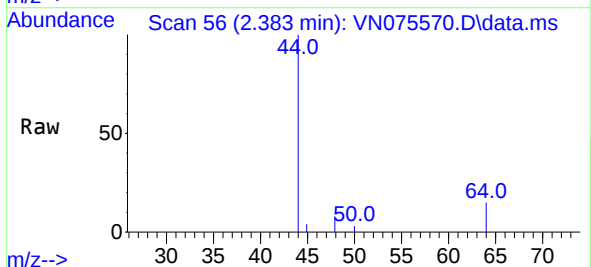
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

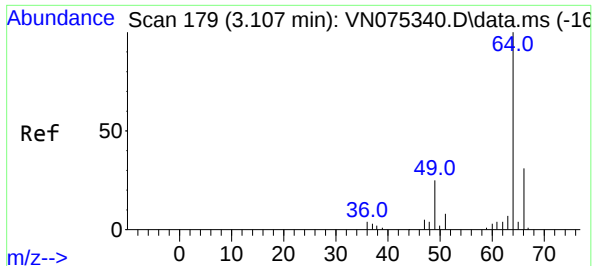
Tgt Ion:168 Resp: 158560
Ion Ratio Lower Upper
168 100
99 57.1 51.6 77.4



#3
Chloromethane
Concen: 0.264 ug/l
RT: 2.383 min Scan# 56
Delta R.T. 0.012 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

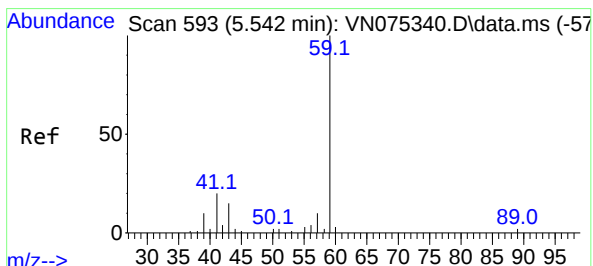
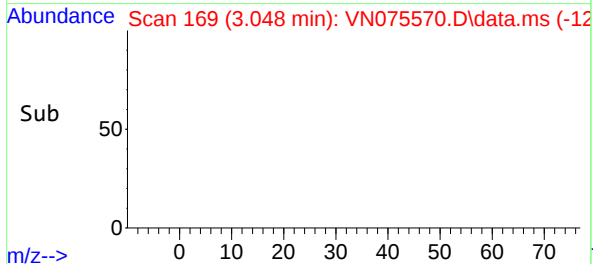
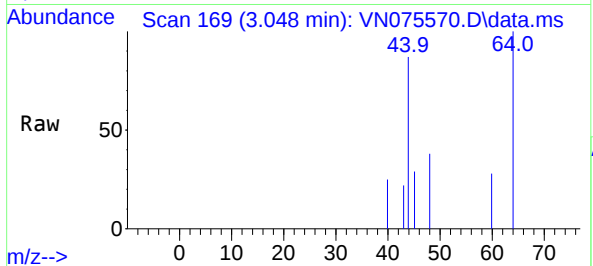




#6
Chloroethane
Concen: 0.298 ug/l
RT: 3.048 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

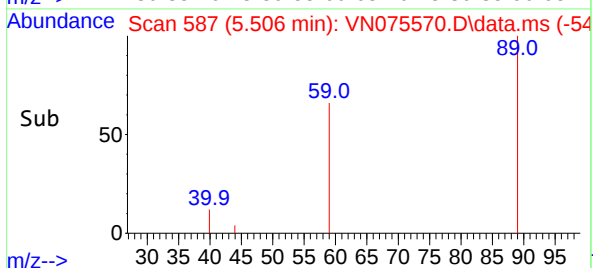
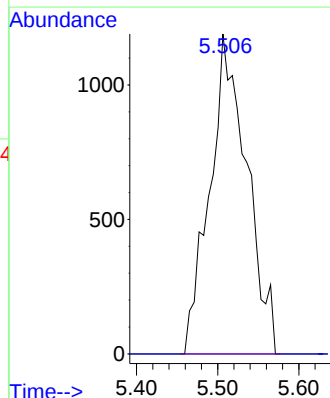
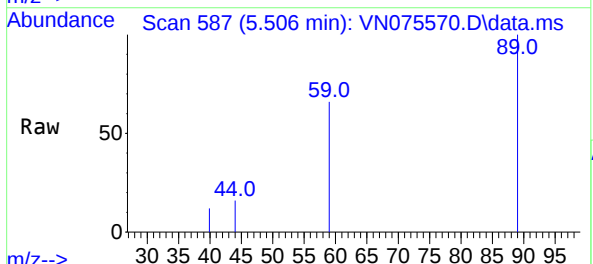
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

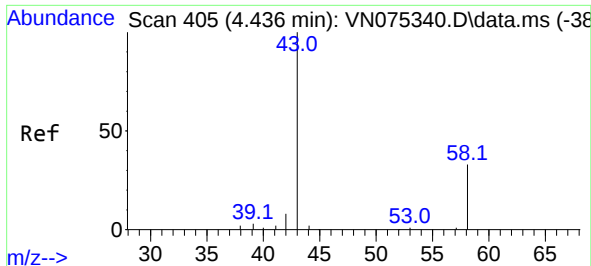
Tgt Ion: 64 Resp: 430
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 10.549 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 59 Resp: 3769
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

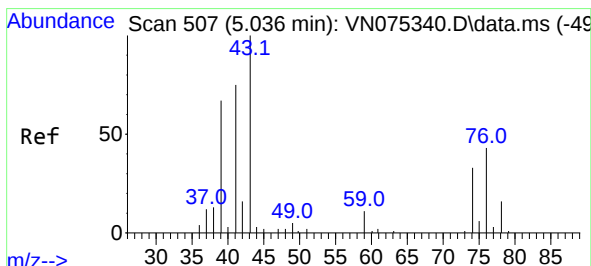
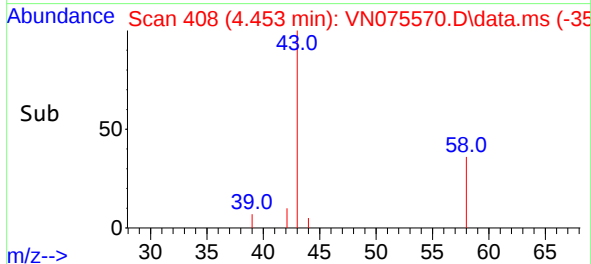
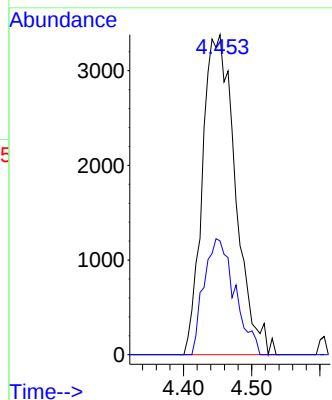
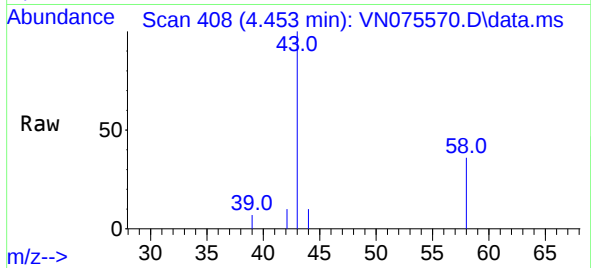




#16
Acetone
Concen: 14.302 ug/l
RT: 4.453 min Scan# 405
Delta R.T. 0.017 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

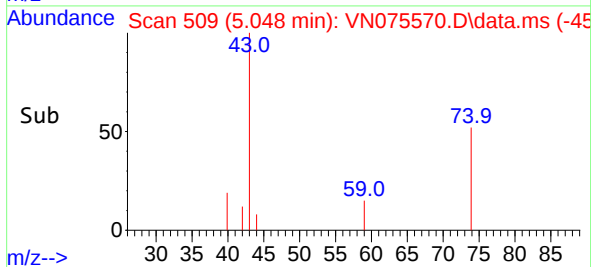
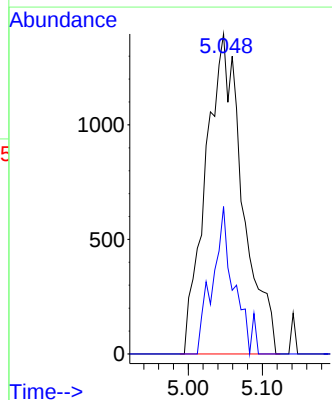
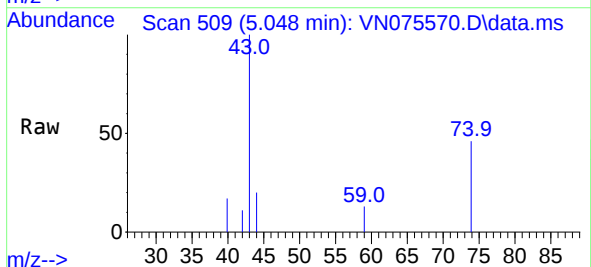
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

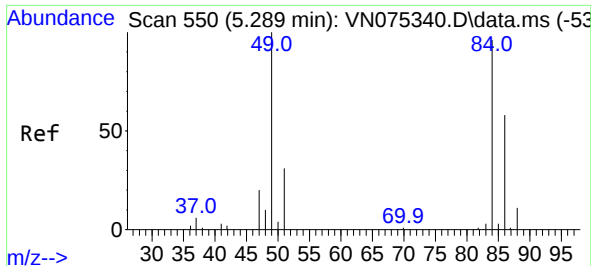
Tgt Ion: 43 Resp: 11354
Ion Ratio Lower Upper
43 100
58 35.6 25.5 38.3



#18
Methyl Acetate
Concen: 1.148 ug/l
RT: 5.048 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 43 Resp: 4830
Ion Ratio Lower Upper
43 100
74 26.9 22.0 33.0

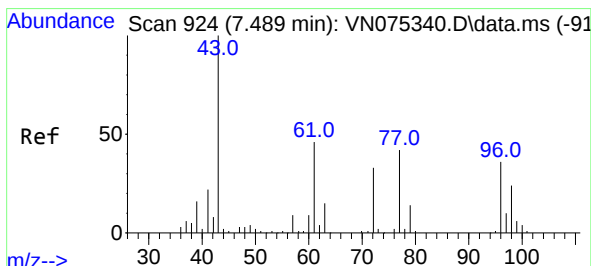
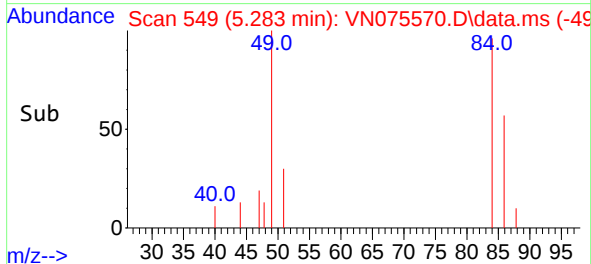
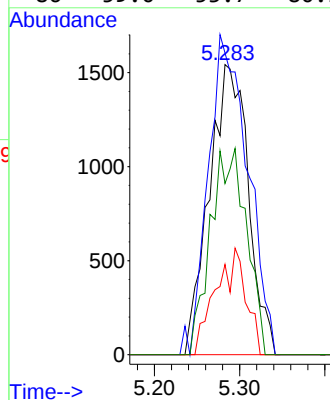
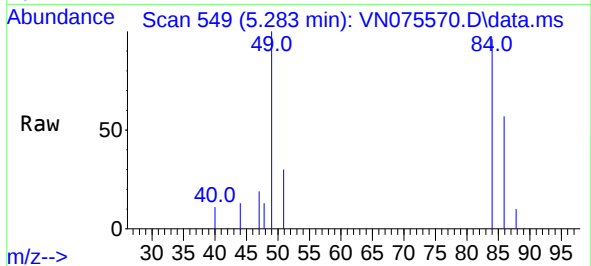




#20
Methylene Chloride
Concen: 1.820 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

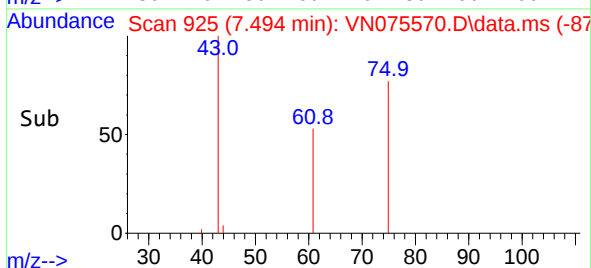
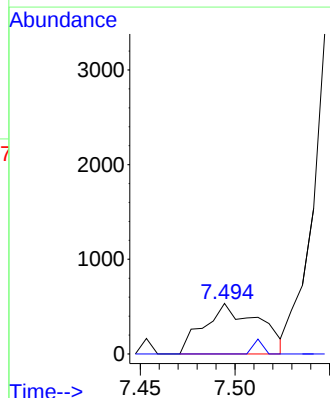
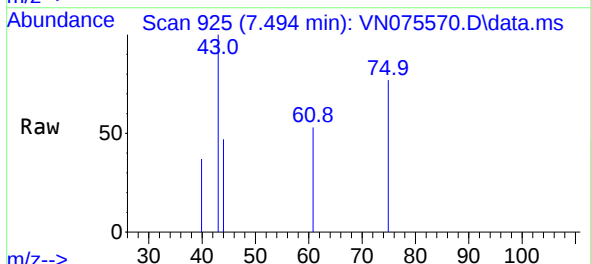
Instrument :
MSVOA_N
ClientSampleId :
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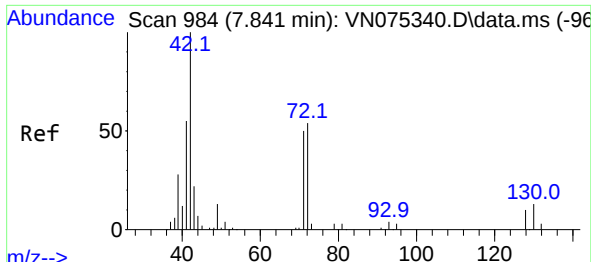
Tgt Ion: 84	Resp:	4914	
Ion	Ratio	Lower	Upper
84	100		
49	104.0	94.9	142.3
51	31.1	26.8	40.2
86	59.0	53.7	80.5



#25
2-Butanone
Concen: 0.964 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.005 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 43	Resp:	1069	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.5	38.3#

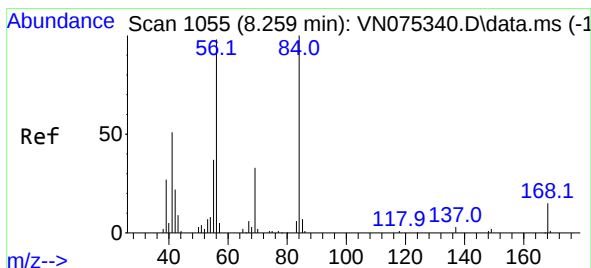
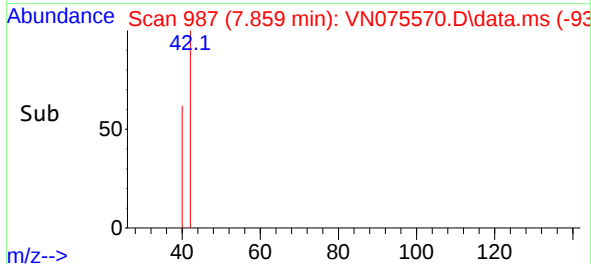
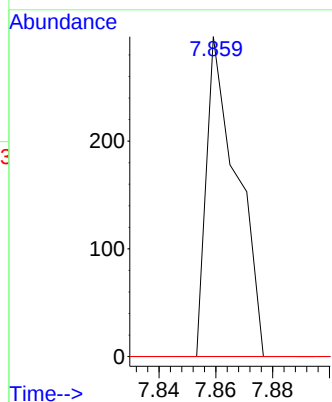
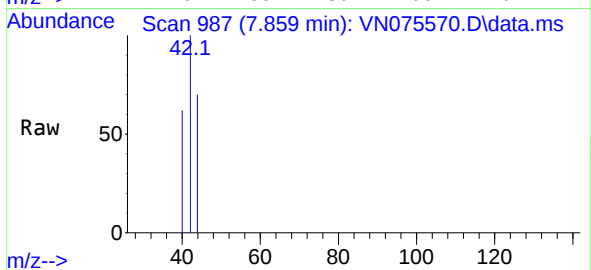




#29
Tetrahydrofuran
Concen: 0.329 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

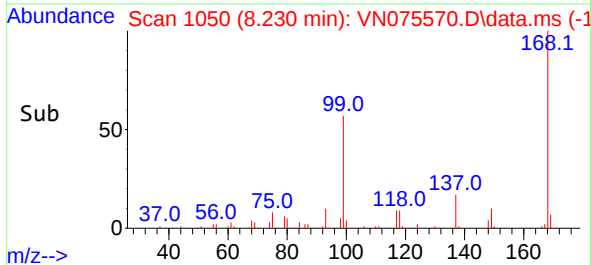
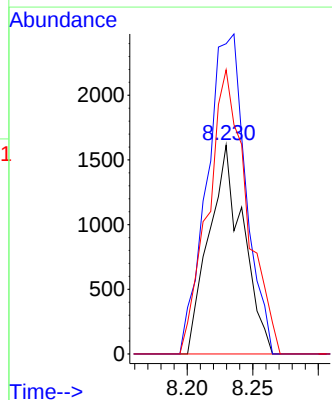
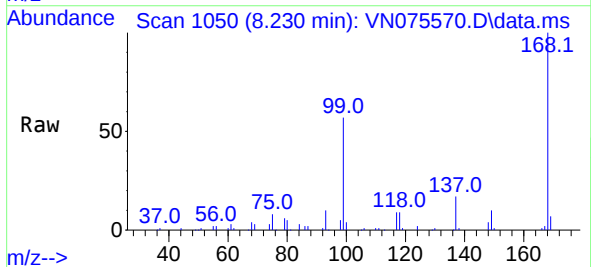
Instrument :
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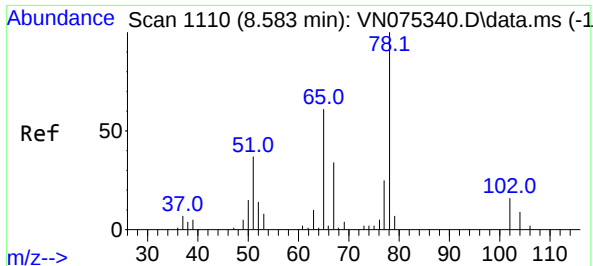
Tgt Ion: 42 Resp: 222
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 56 Resp: 2928
Ion Ratio Lower Upper
56 100
69 148.6 25.2 37.8#
84 136.1 77.8 116.8#

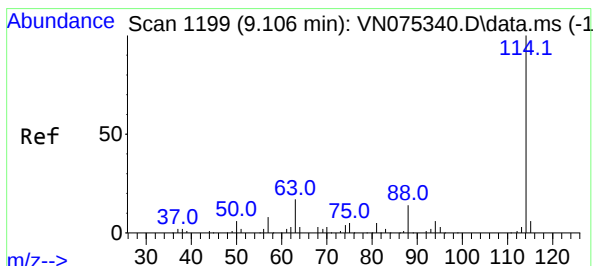
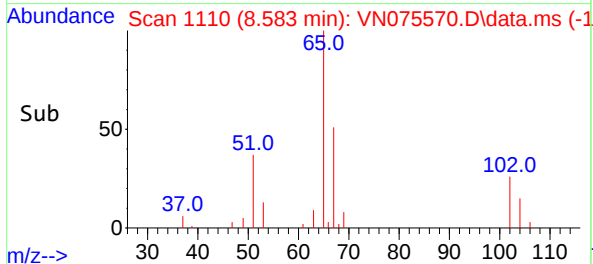
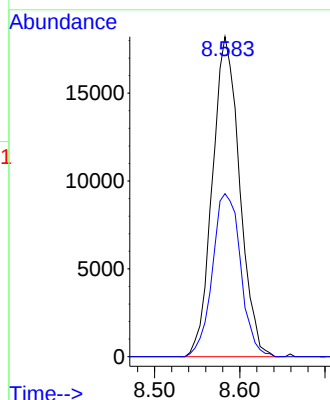
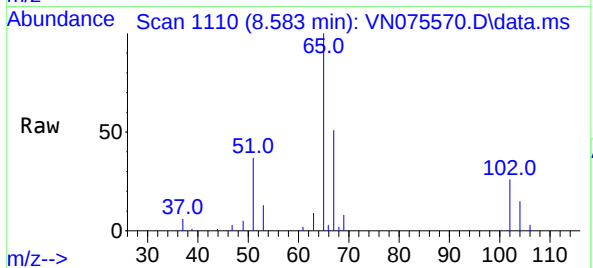




#33
1,2-Dichloroethane-d4
Concen: 47.570 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

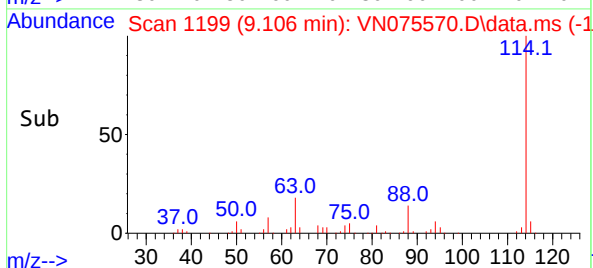
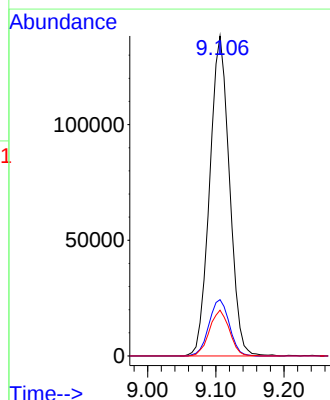
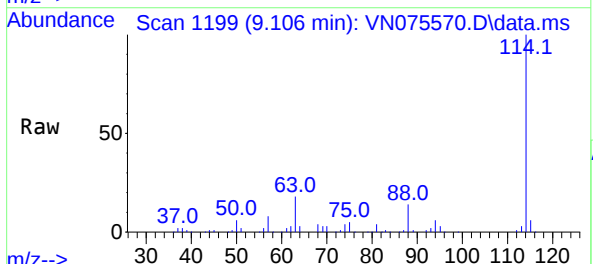
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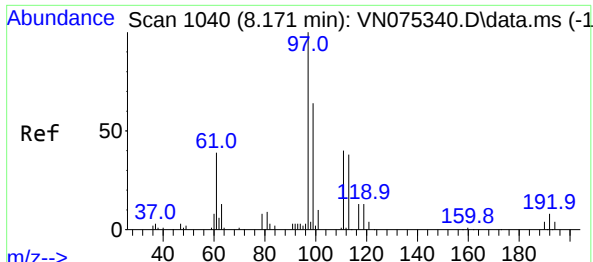
Tgt Ion: 65 Resp: 40488
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 114 Resp: 279178
Ion Ratio Lower Upper
114 100
63 17.6 0.0 39.6
88 14.3 0.0 29.0

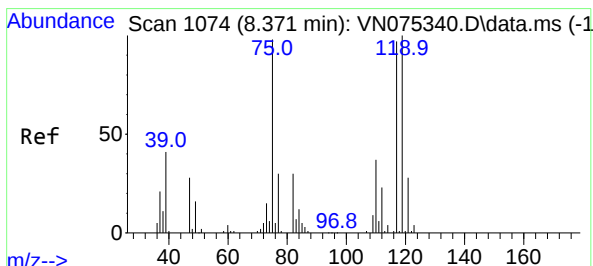
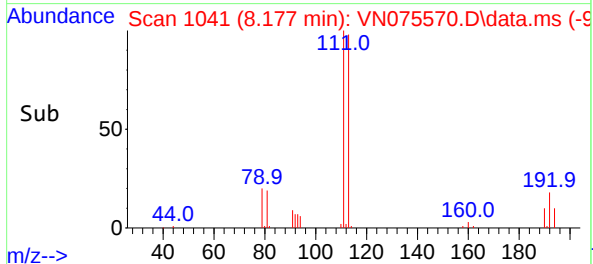
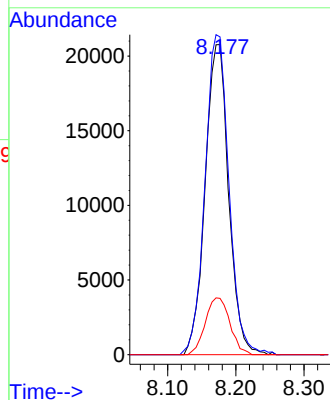
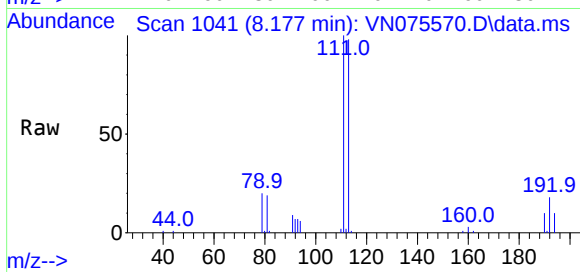




#35
Dibromofluoromethane
Concen: 45.443 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

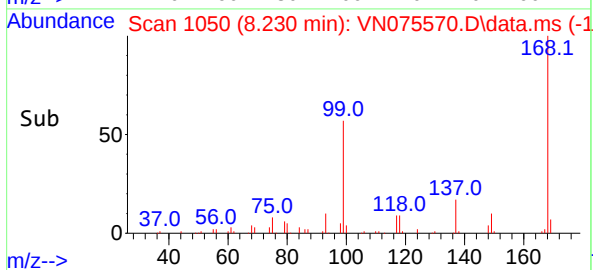
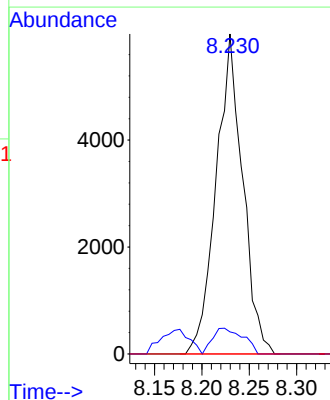
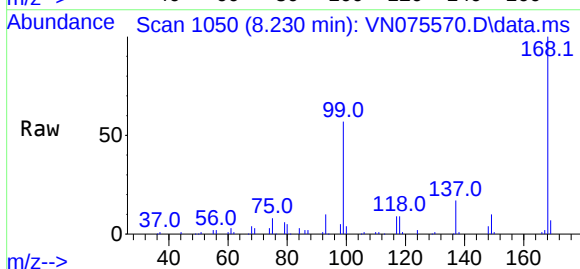
Instrument :
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ClientSampleId :
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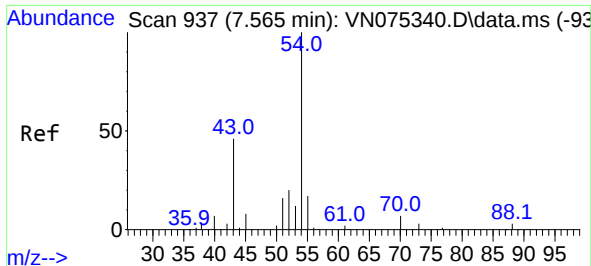
Tgt Ion:113 Resp: 49838
Ion Ratio Lower Upper
113 100
111 104.9 80.5 120.7
192 19.2 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 75 Resp: 11627
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.3#
77 0.0 24.6 37.0#

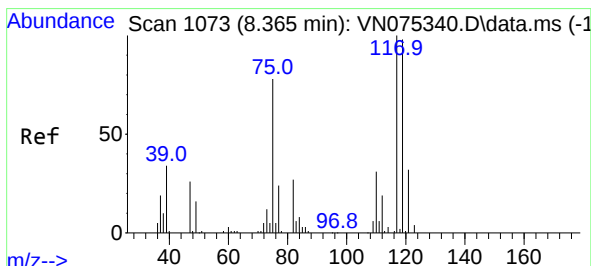
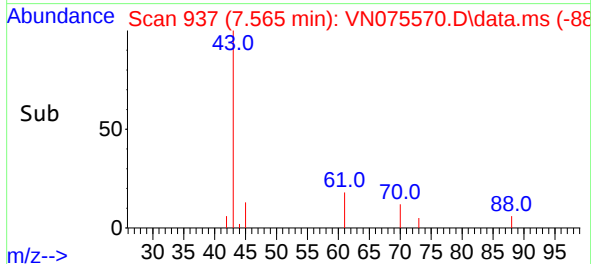
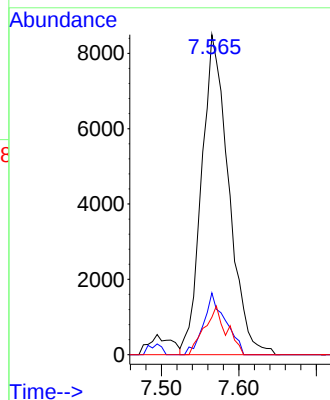
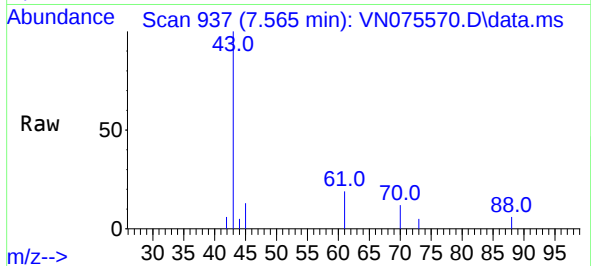




#37
Ethyl Acetate
Concen: 9.565 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

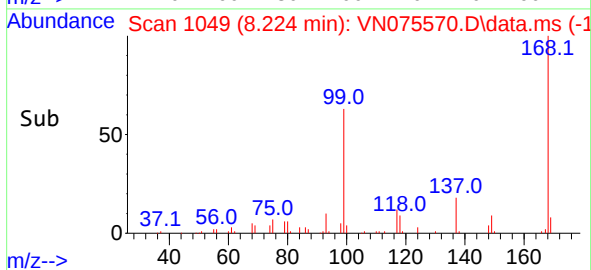
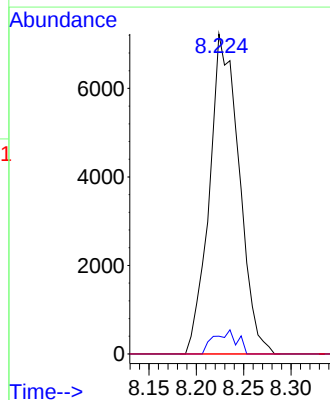
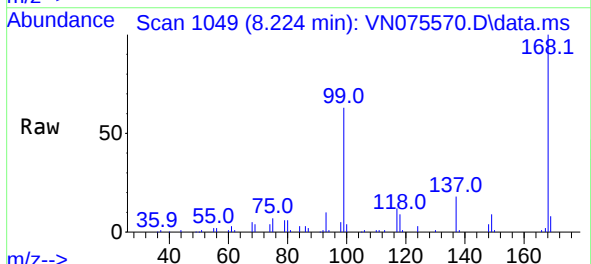
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

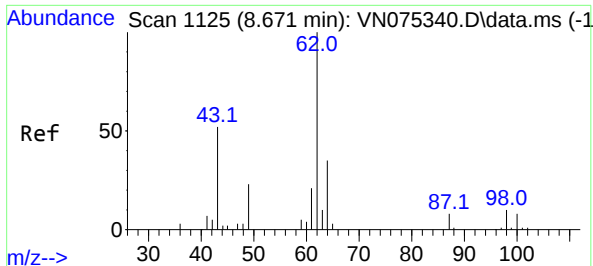
Tgt Ion:	43	Resp:	20598
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.2	18.4
70	12.4	9.4	14.2



#38
Carbon Tetrachloride
Concen: 6.018 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.141 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion:	117	Resp:	15812
Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.7	115.1#
121	0.0	23.9	35.9#

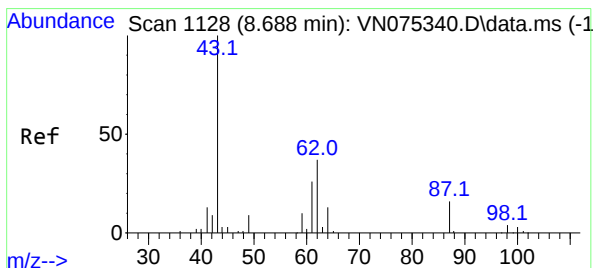
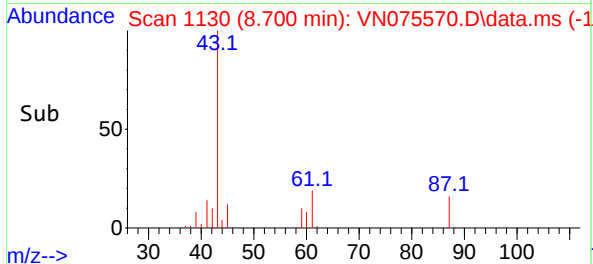
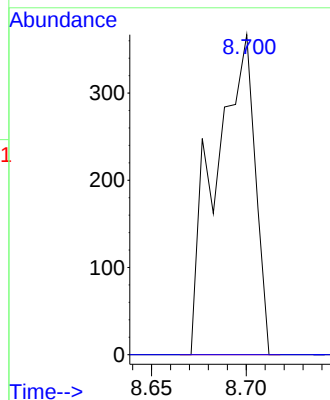
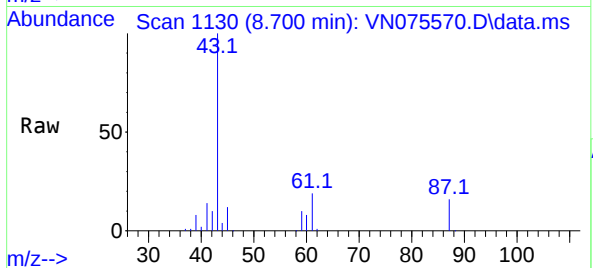




#42
1,2-Dichloroethane
Concen: 0.218 ug/l
RT: 8.700 min Scan# 1125
Delta R.T. 0.029 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

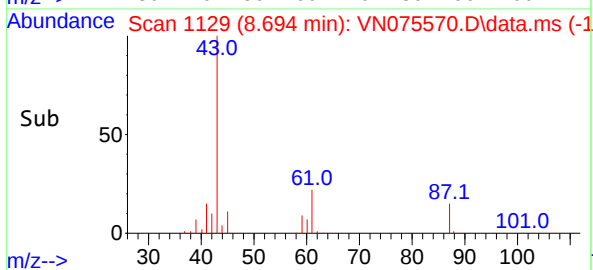
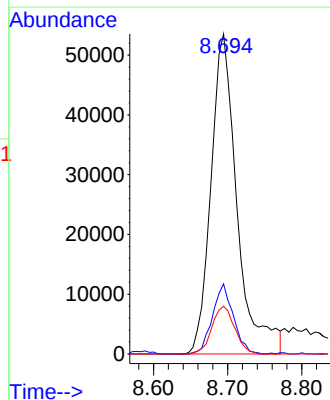
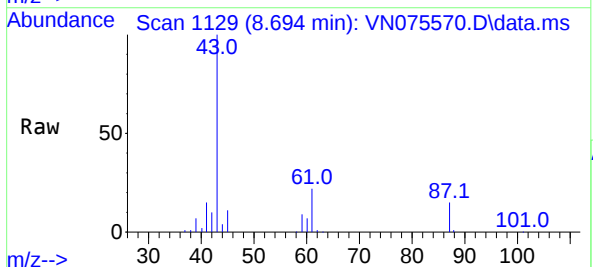
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

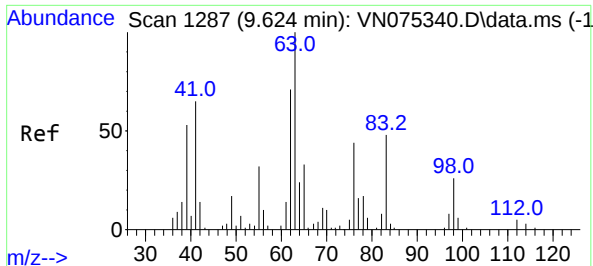
Tgt Ion: 62 Resp: 535
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 37.910 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 43 Resp: 131042
Ion Ratio Lower Upper
43 100
61 17.5 22.4 33.6#
87 13.0 12.5 18.7

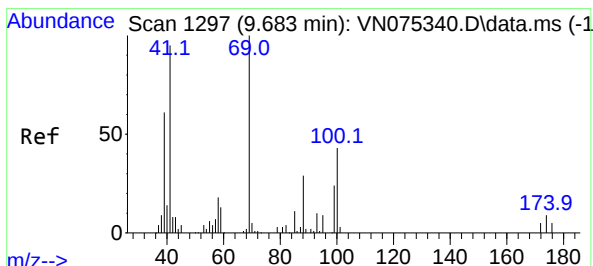
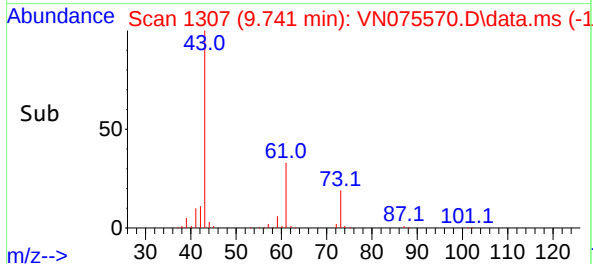
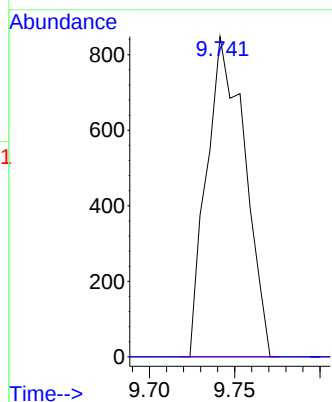
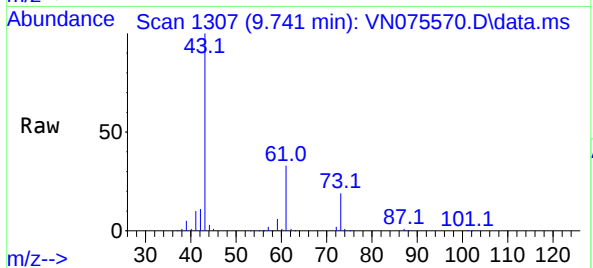




#45
1,2-Dichloropropane
Concen: 0.756 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

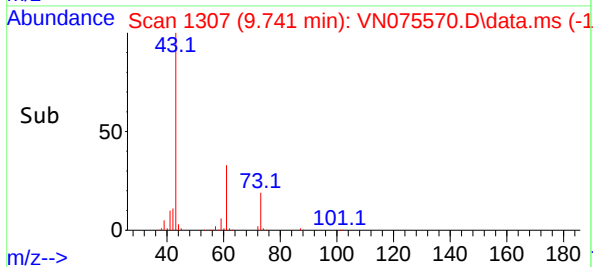
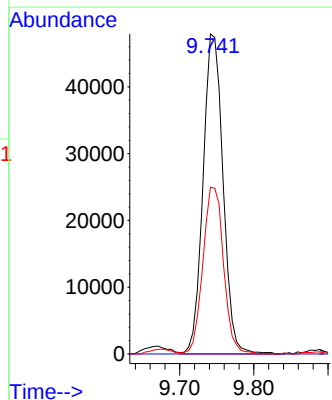
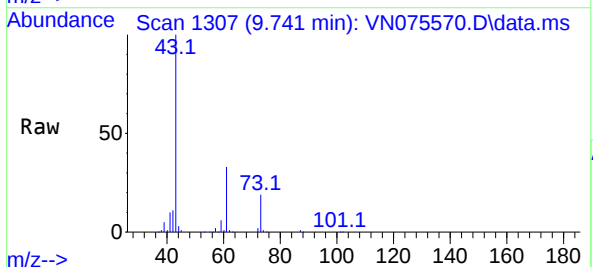
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

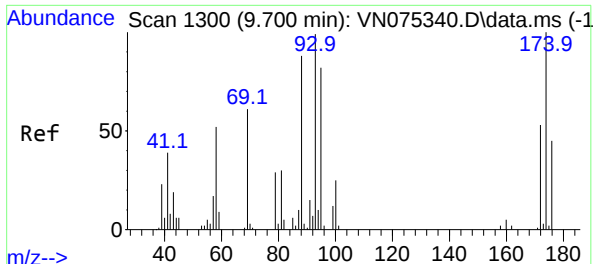
Tgt Ion: 63 Resp: 1319
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 56.109 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.058 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 41 Resp: 89681
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 53.8 56.2 84.2#

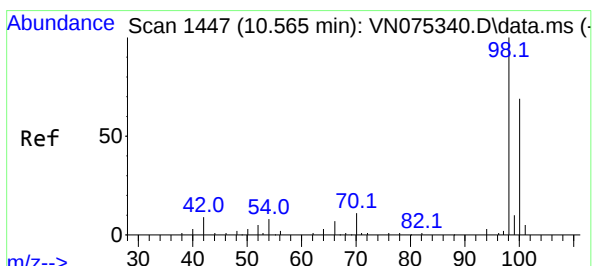
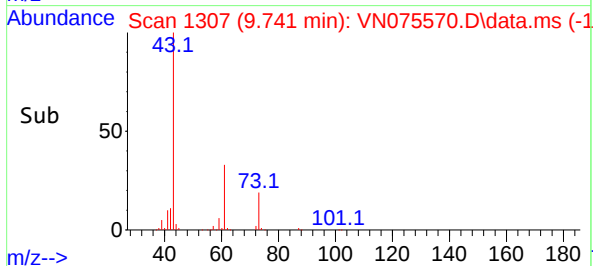
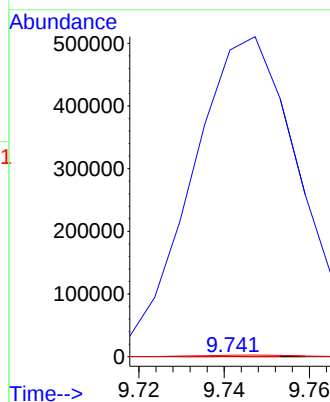
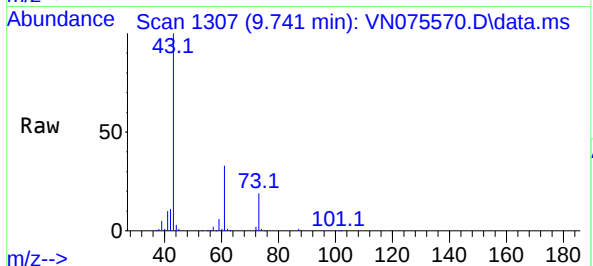




#49
1,4-Dioxane
Concen: 1.366 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

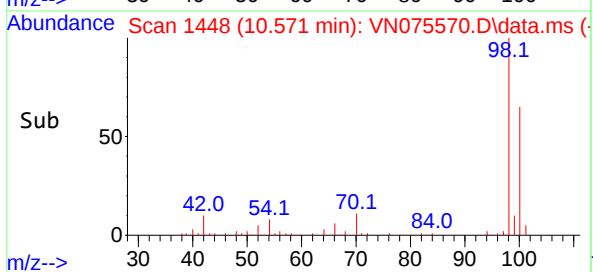
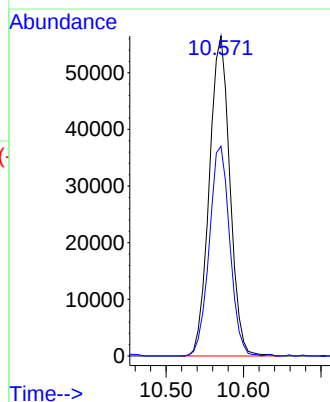
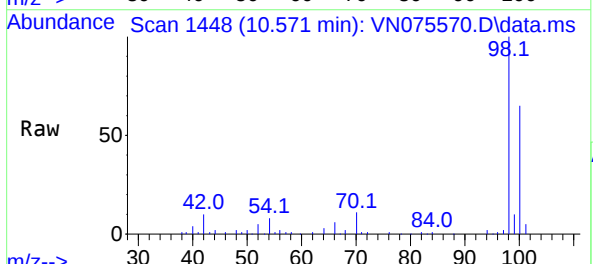
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

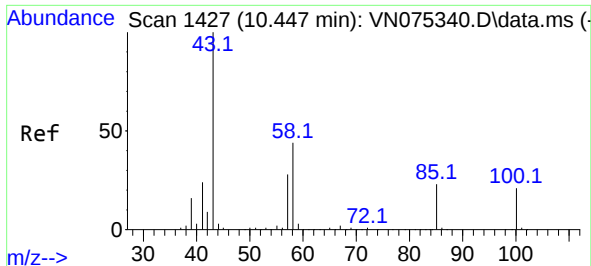
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 1496088.7 17.5 26.3#
58 7032.3 49.8 74.8#



#50
Toluene-d8
Concen: 42.126 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 98 Resp: 104055
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.750 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075570.D

Acq: 05 Dec 2022 19:42

Instrument :

MSVOA_N

ClientSampleId :

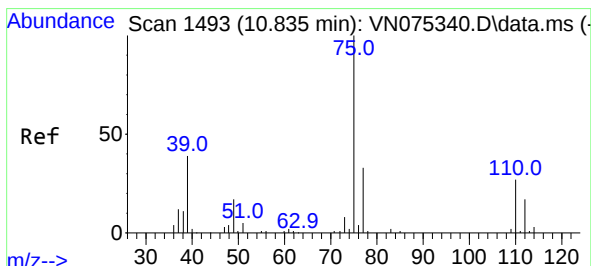
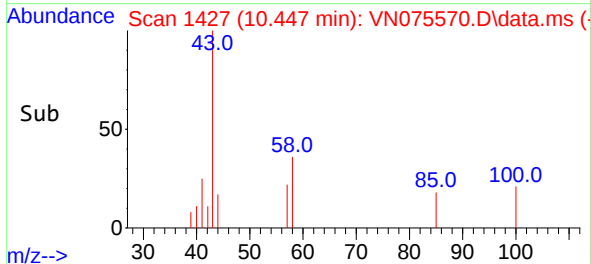
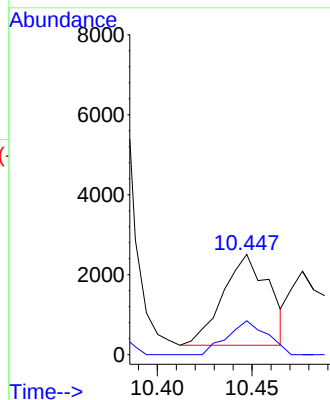
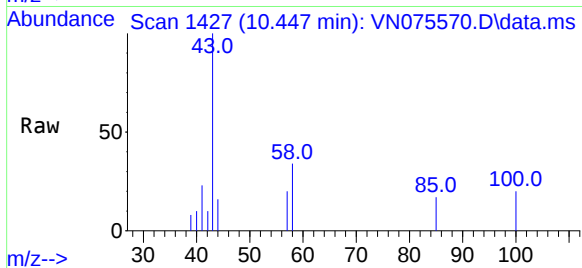
PB149407ZHE#03

Tgt Ion: 43 Resp: 3853

Ion Ratio Lower Upper

43 100

58 32.0 33.6 50.4#



#53

t-1,3-Dichloropropene

Concen: 0.375 ug/l

RT: 10.730 min Scan# 1475

Delta R.T. -0.105 min

Lab File: VN075570.D

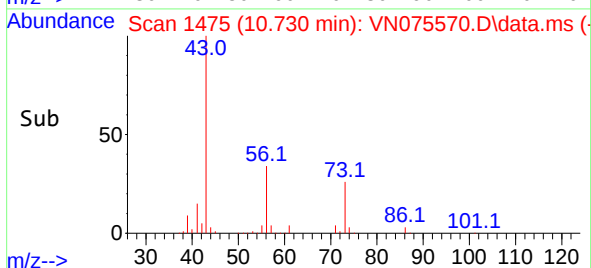
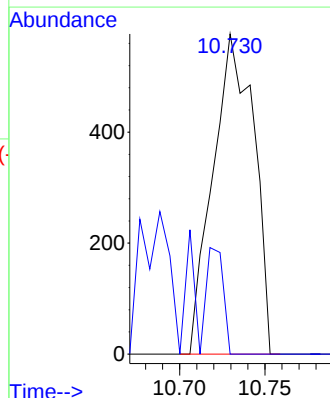
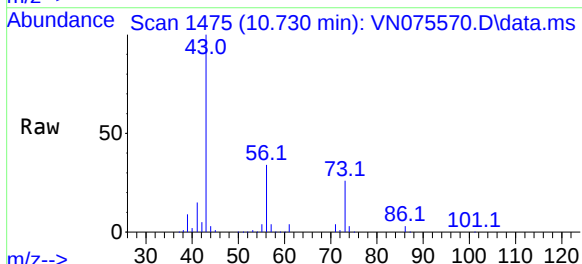
Acq: 05 Dec 2022 19:42

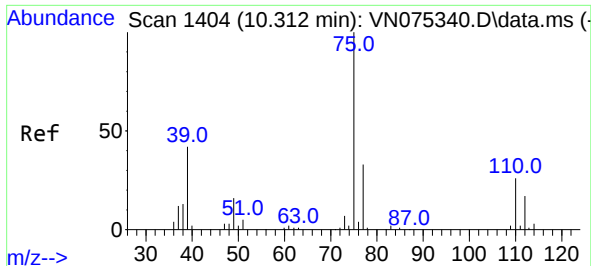
Tgt Ion: 75 Resp: 963

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#

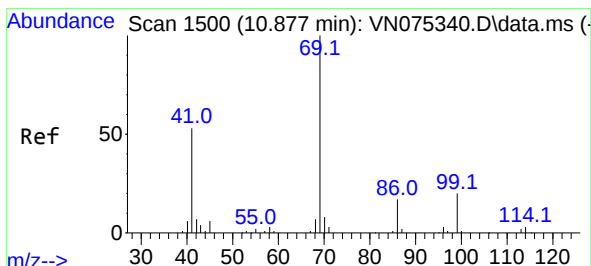
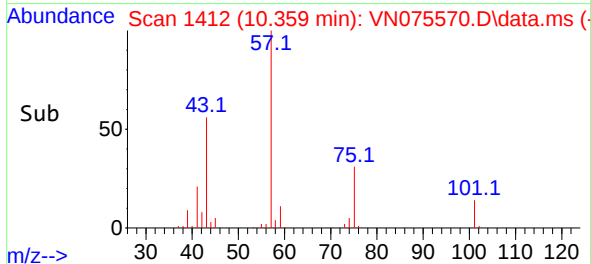
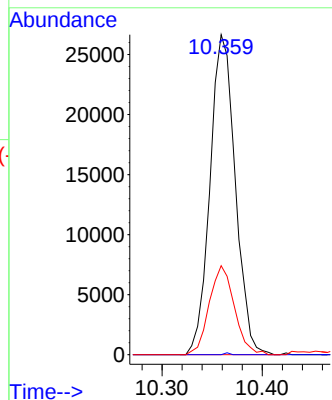
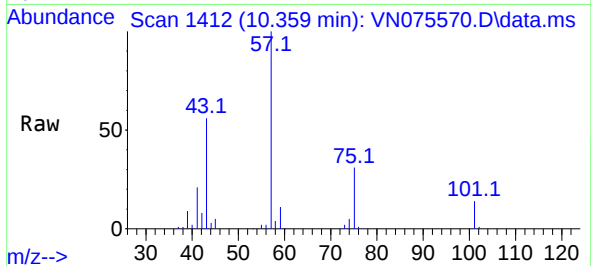




#54
cis-1,3-Dichloropropene
Concen: 16.765 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

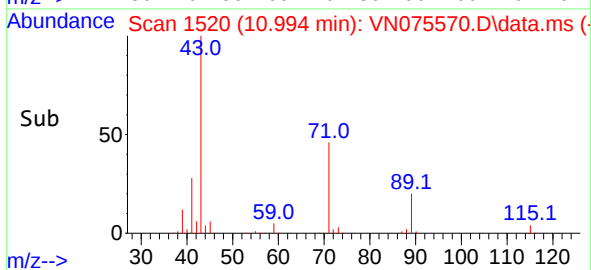
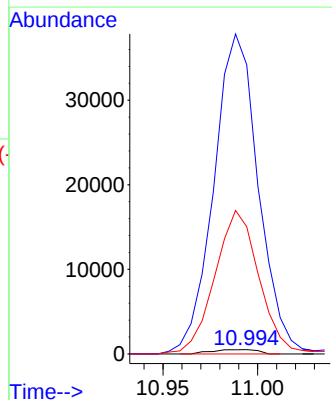
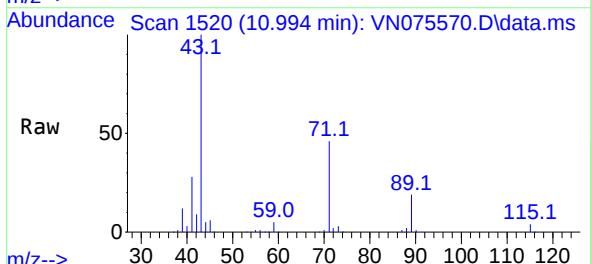
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

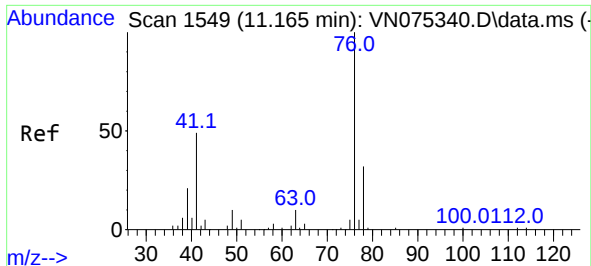
Tgt Ion: 75 Resp: 46722
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 27.8 35.8 53.6#



#56
Ethyl methacrylate
Concen: 0.331 ug/l
RT: 10.994 min Scan# 1520
Delta R.T. 0.117 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 69 Resp: 860
Ion Ratio Lower Upper
69 100
41 7275.8 45.6 68.4#
39 3246.5 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.920 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN075570.D

Acq: 05 Dec 2022 19:42

Instrument :

MSVOA_N

ClientSampleId :

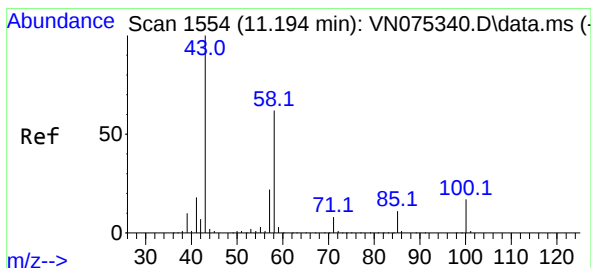
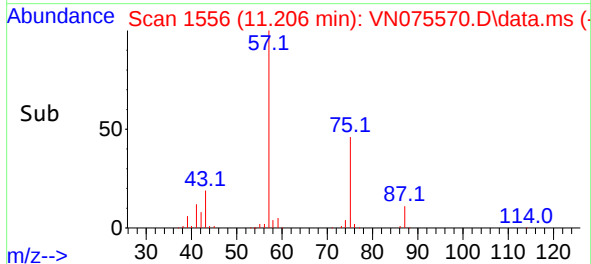
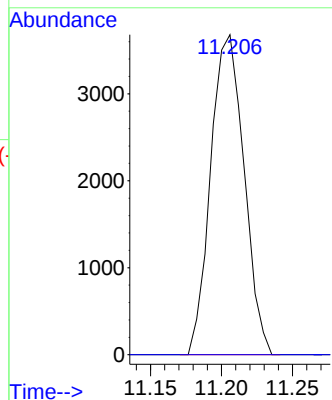
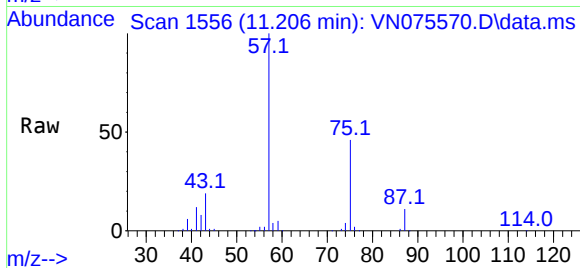
PB149407ZHE#03

Tgt Ion: 76 Resp: 6017

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 62.618 ug/l

RT: 11.177 min Scan# 1551

Delta R.T. -0.017 min

Lab File: VN075570.D

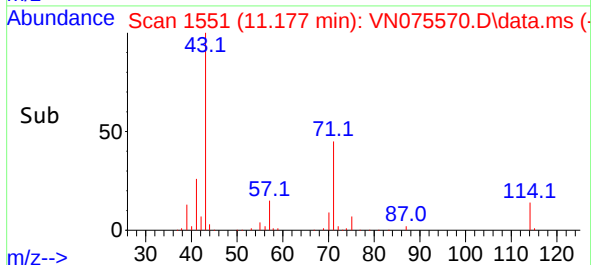
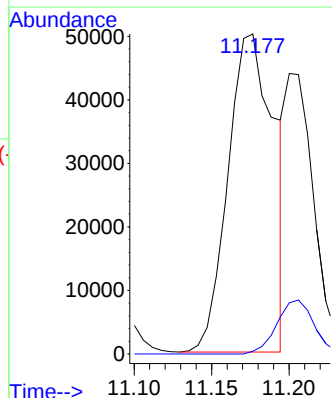
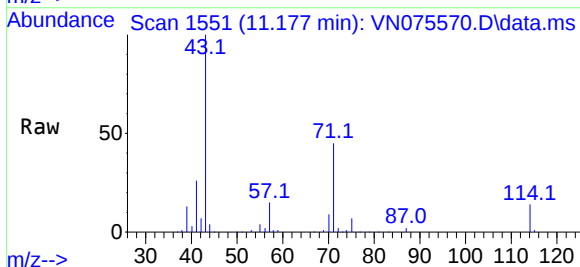
Acq: 05 Dec 2022 19:42

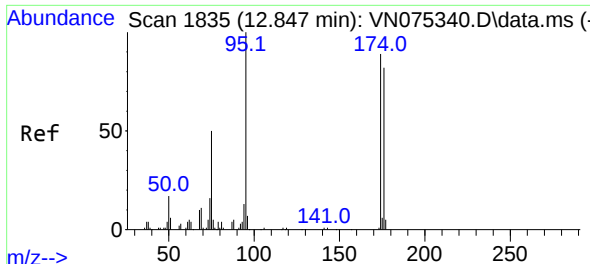
Tgt Ion: 43 Resp: 103520

Ion Ratio Lower Upper

43 100

58 0.0 29.6 88.8#

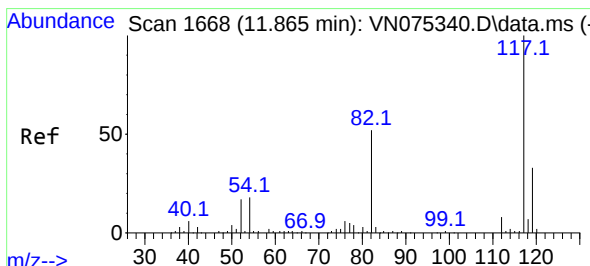
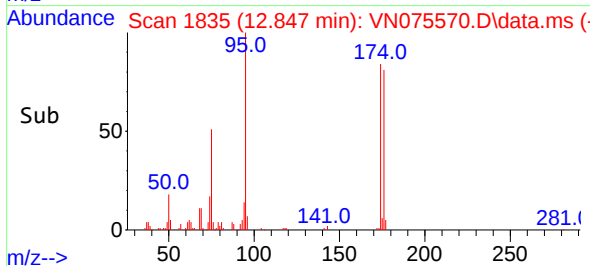
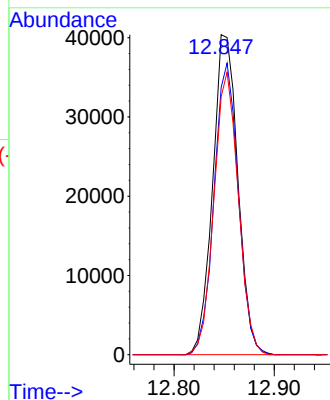
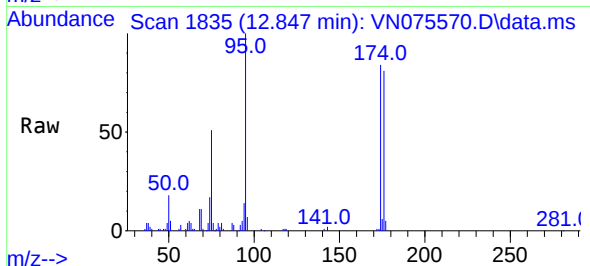




#62
4-Bromofluorobenzene
Concen: 38.705 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

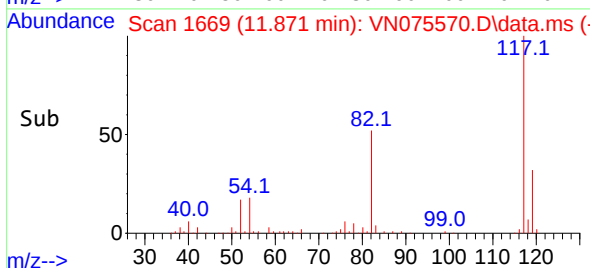
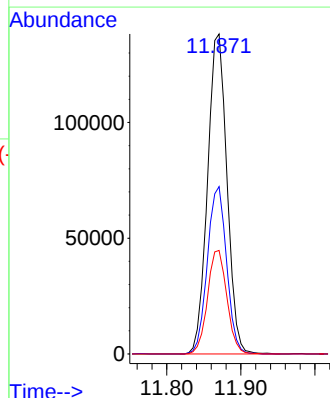
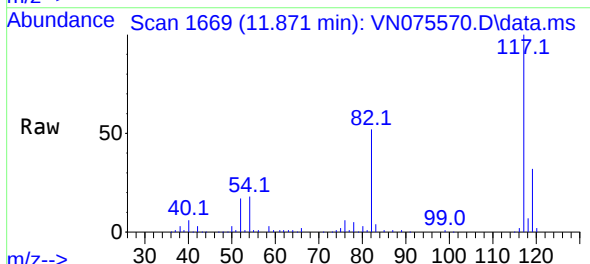
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

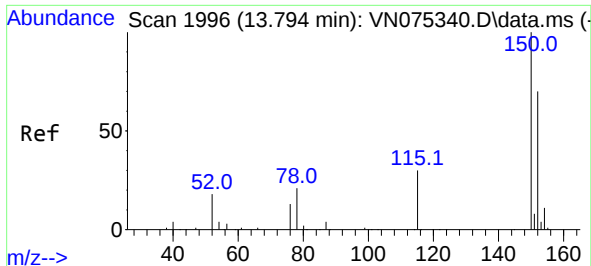
Tgt Ion: 95 Resp: 70566
Ion Ratio Lower Upper
95 100
174 87.4 0.0 147.4
176 85.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 117 Resp: 251506
Ion Ratio Lower Upper
117 100
82 52.3 43.1 64.7
119 32.4 25.5 38.3

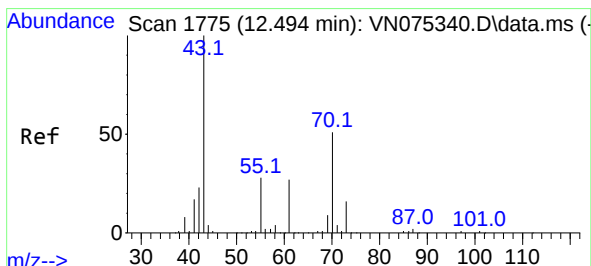
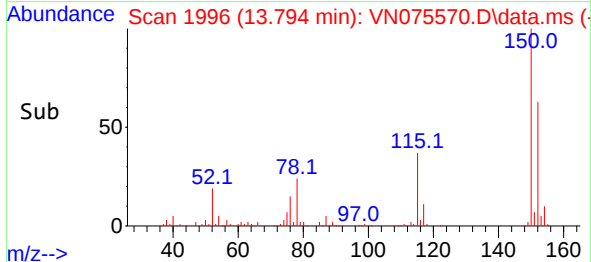
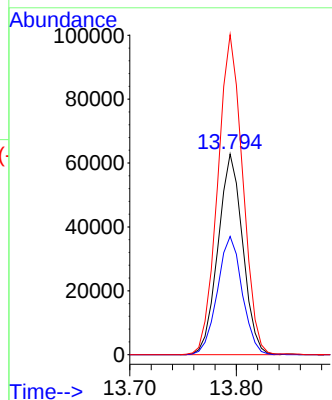
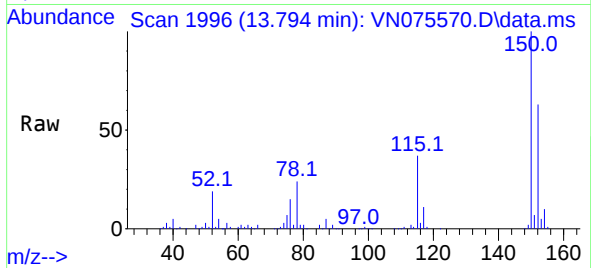




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

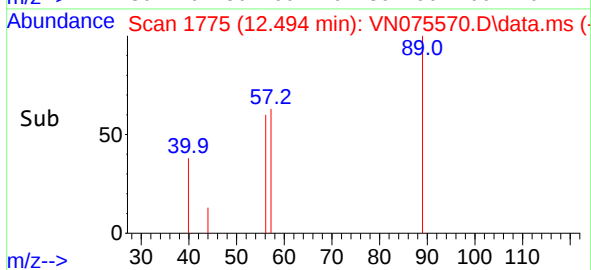
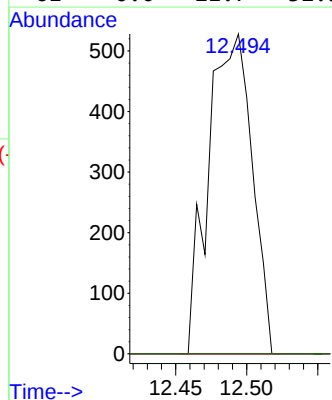
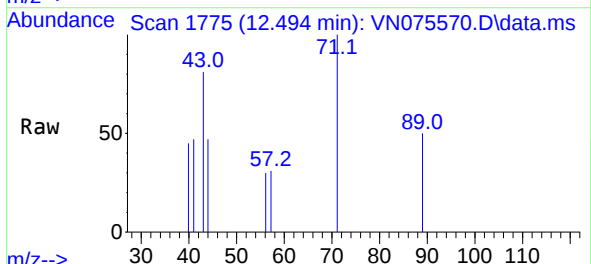
Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

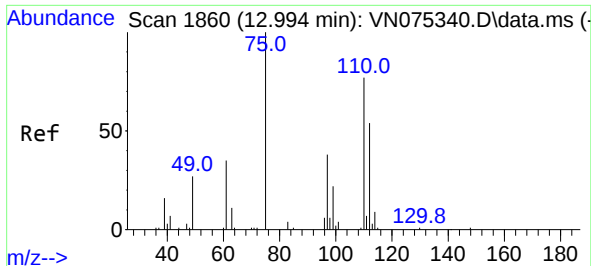
Tgt Ion:152 Resp: 100805
Ion Ratio Lower Upper
152 100
115 59.4 30.2 90.6
150 162.2 0.0 348.4



#74
N-ethyl acetate
Concen: 0.499 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 43 Resp: 1129
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#

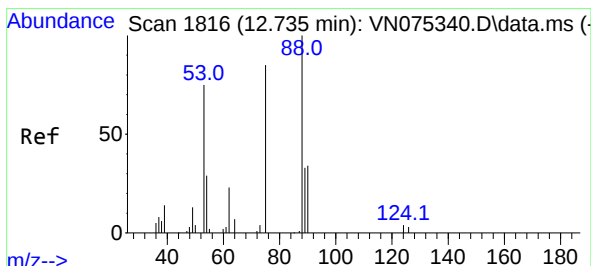
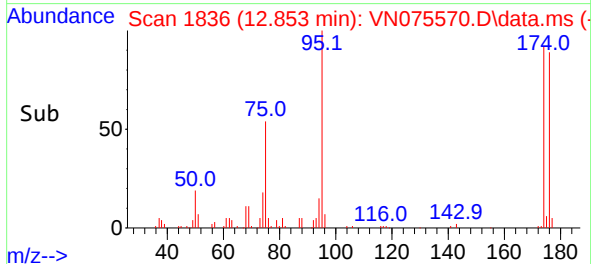
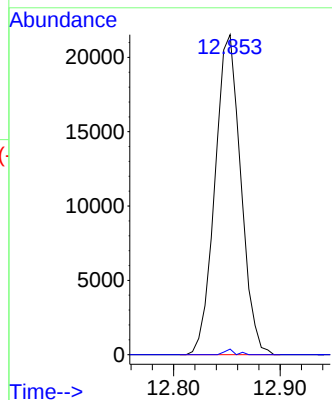
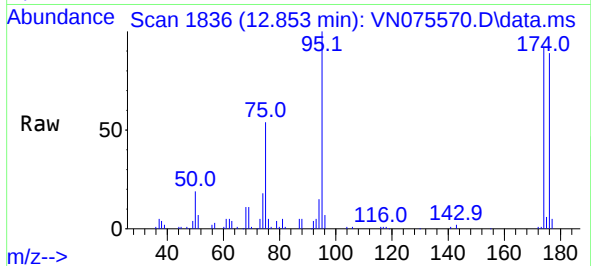




#76
1,2,3-Trichloropropane
Concen: 19.025 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Instrument :
MSVOA_N
ClientSampleId :
PB149407ZHE#03

Tgt Ion: 75 Resp: 36260
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.289 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075570.D
Acq: 05 Dec 2022 19:42

Tgt Ion: 75 Resp: 36260
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

