

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075750.D
 Acq On : 13 Dec 2022 08:52
 Operator : JC\MD
 Sample : N5965-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-P

Quant Time: Dec 13 13:04:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

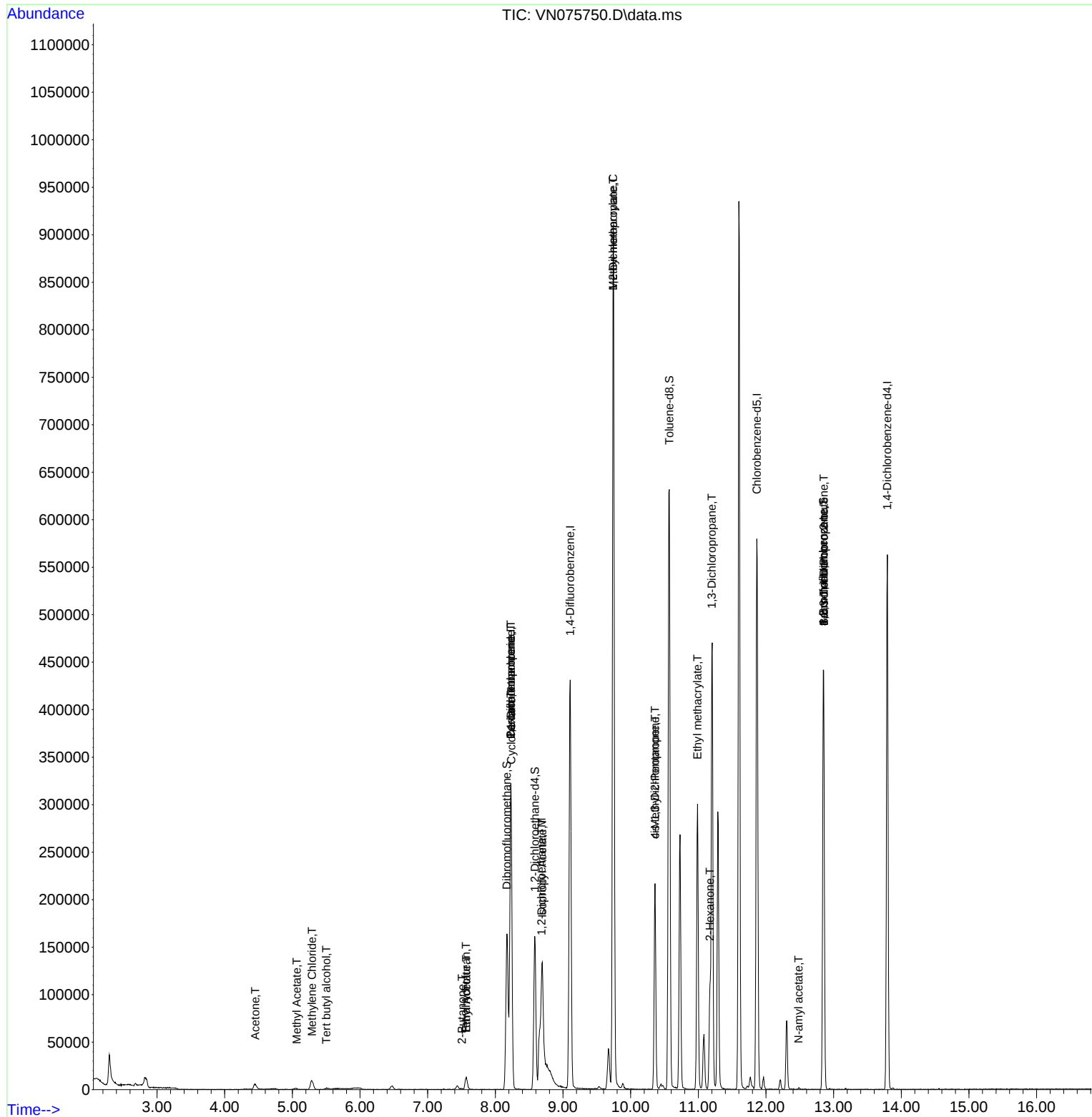
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	253010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	401230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	366691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130386	48.570	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.140%
35) Dibromofluoromethane	8.171	113	117939	48.178	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.360%
50) Toluene-d8	10.571	98	474007	51.561	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.847	95	152659	48.568	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.140%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.500	59	581	1.463	ug/l #	72
16) Acetone	4.453	43	11000	12.100	ug/l #	82
18) Methyl Acetate	5.065	43	2426	0.830	ug/l #	69
20) Methylene Chloride	5.289	84	8109	2.992	ug/l	95
25) 2-Butanone	7.506	43	1122	0.844	ug/l	89
29) Tetrahydrofuran	7.565	42	905	1.105	ug/l #	25
31) Cyclohexane	8.235	56	4310	1.084	ug/l #	15
36) 1,1-Dichloropropene	8.230	75	17310	5.325	ug/l #	48
37) Ethyl Acetate	7.571	43	19067	7.306	ug/l	97
38) Carbon Tetrachloride	8.230	117	24159	6.441	ug/l #	15
42) 1,2-Dichloroethane	8.682	62	859	0.257	ug/l #	71
43) Isopropyl Acetate	8.694	43	244749	56.175	ug/l #	67
45) 1,2-Dichloropropane	9.741	63	1348	0.568	ug/l #	43
48) Methyl methacrylate	9.741	41	78492	39.116	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	73861	27.493	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	43497	11.334	ug/l #	62
56) Ethyl methacrylate	10.988	69	1194	0.340	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5430	1.296	ug/l #	41
59) 2-Hexanone	11.171	43	81812	41.915	ug/l #	20
71) Bromoform	12.853	173	1209	0.581	ug/l #	1
74) N-amyl acetate	12.482	43	773	0.234	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	78489	24.658	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78489	78.707	ug/l #	13

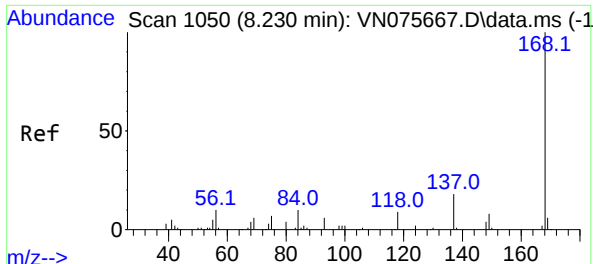
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN075750.D

Acq: 13 Dec 2022 08:52

Instrument :

MSVOA_N

ClientSampleId :

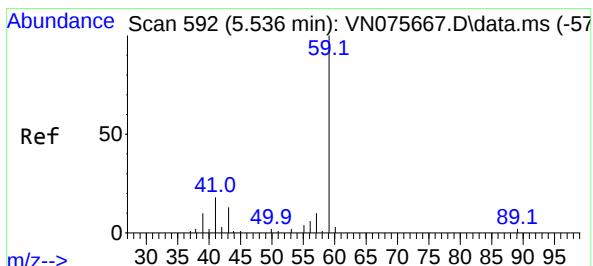
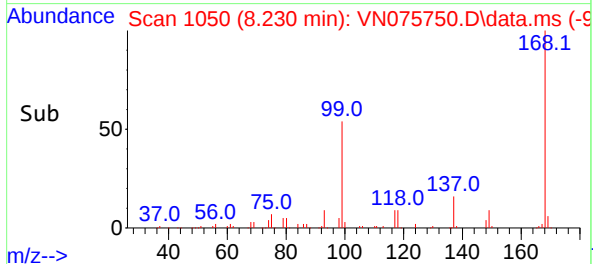
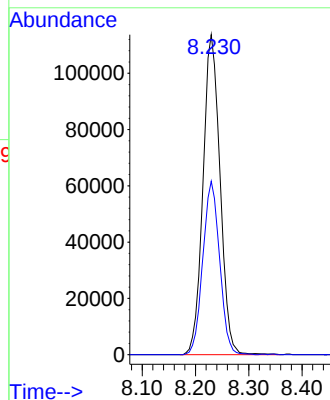
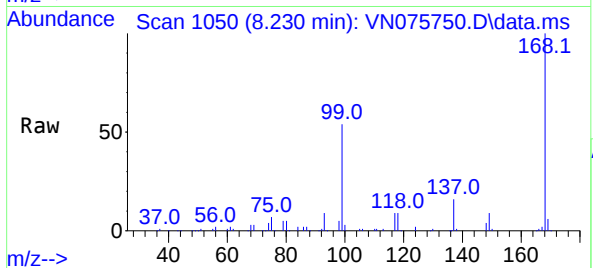
TP-P

Tgt Ion:168 Resp: 253010

Ion Ratio Lower Upper

168 100

99 54.2 41.2 61.8



#11

Tert butyl alcohol

Concen: 1.463 ug/l

RT: 5.500 min Scan# 586

Delta R.T. -0.035 min

Lab File: VN075750.D

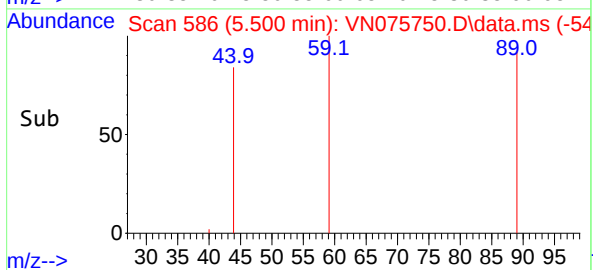
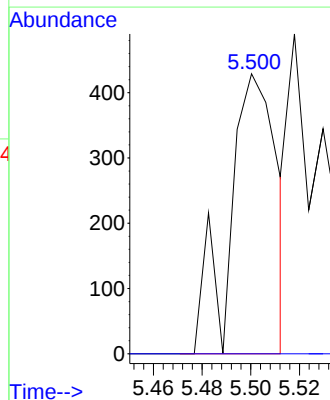
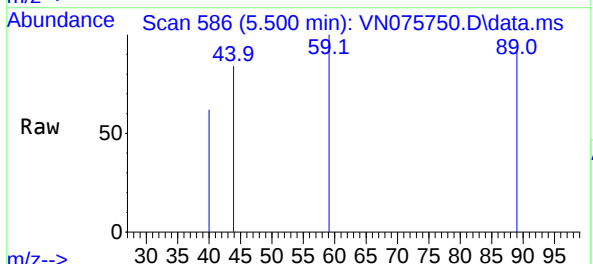
Acq: 13 Dec 2022 08:52

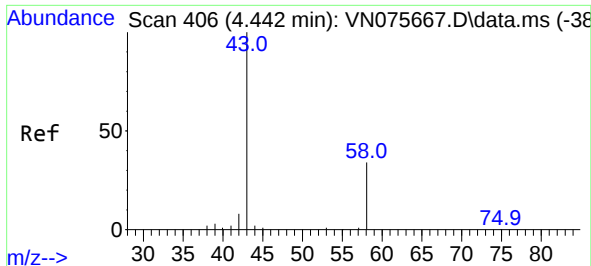
Tgt Ion: 59 Resp: 581

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

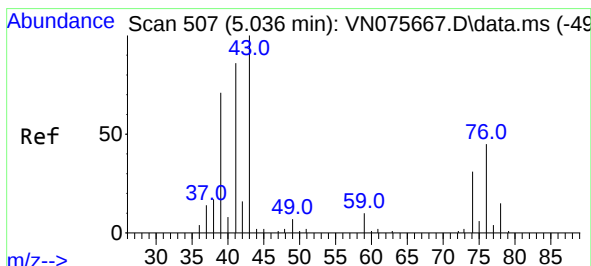
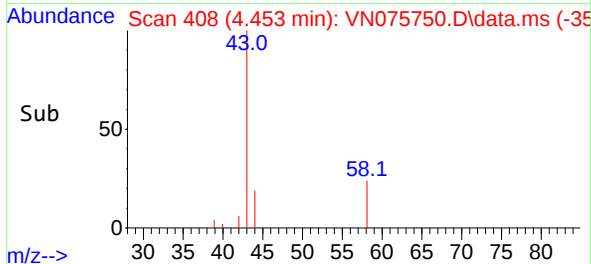
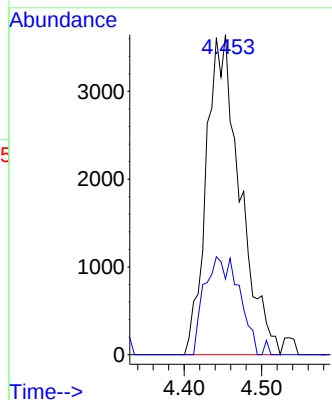
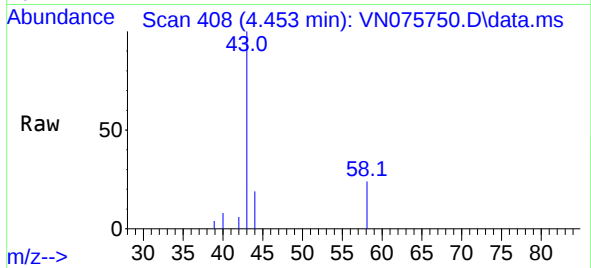




#16
Acetone
Concen: 12.100 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

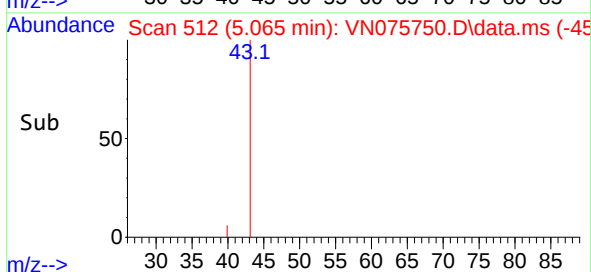
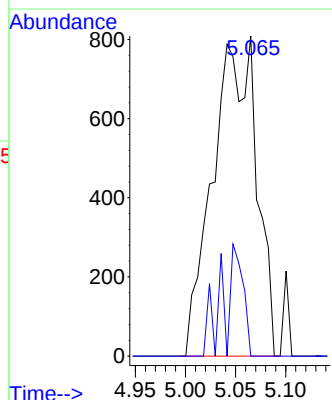
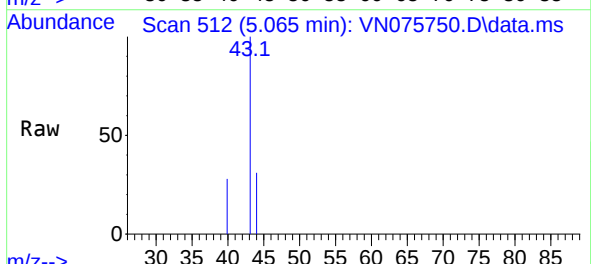
Instrument :
MSVOA_N
ClientSampleId :
TP-P

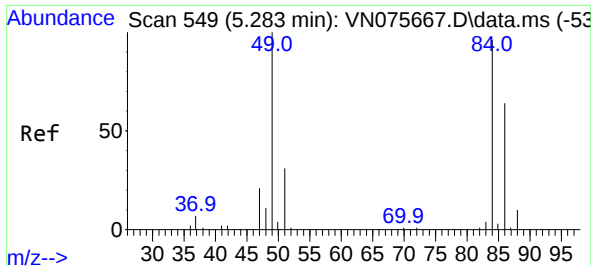
Tgt Ion: 43 Resp: 11000
Ion Ratio Lower Upper
43 100
58 23.7 27.0 40.4#



#18
Methyl Acetate
Concen: 0.830 ug/l
RT: 5.065 min Scan# 512
Delta R.T. 0.029 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 43 Resp: 2426
Ion Ratio Lower Upper
43 100
74 13.6 24.5 36.7#



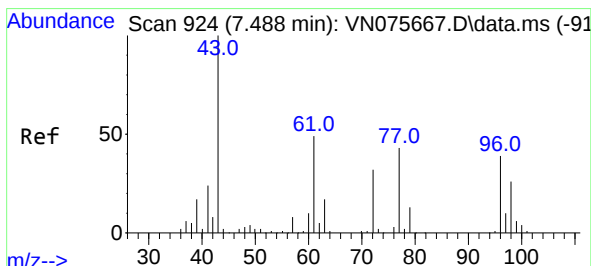
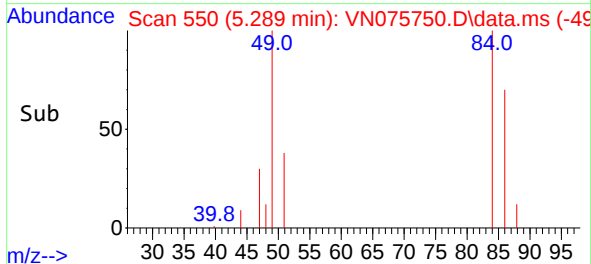
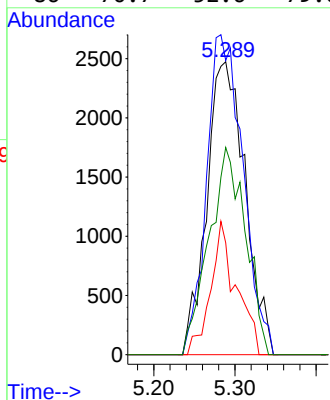
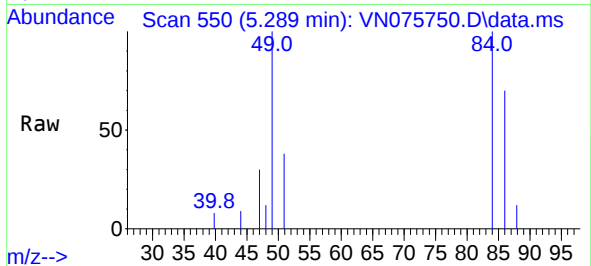


#20
Methylene Chloride
Concen: 2.992 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Instrument :
MSVOA_N
ClientSampleId :
TP-P

Tgt Ion: 84 Resp: 8109

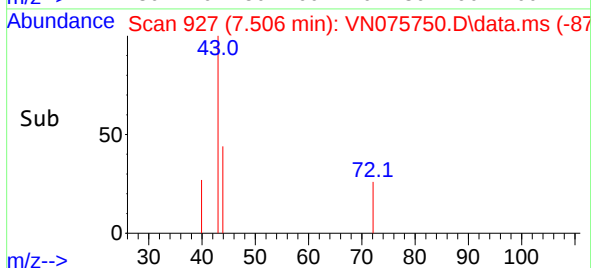
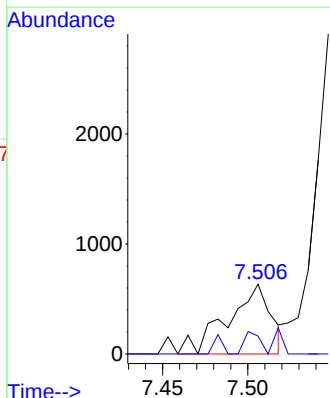
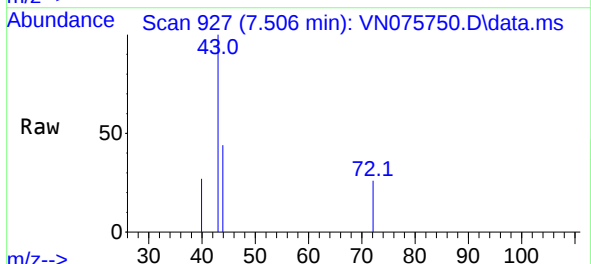
Ion	Ratio	Lower	Upper
84	100		
49	100.4	83.0	124.4
51	38.2	26.0	39.0
86	70.7	52.6	79.0

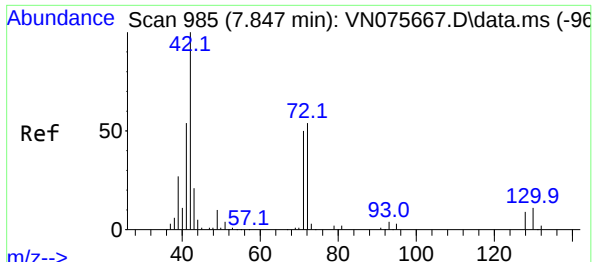


#25
2-Butanone
Concen: 0.844 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 43 Resp: 1122

Ion	Ratio	Lower	Upper
43	100		
72	25.7	25.3	37.9

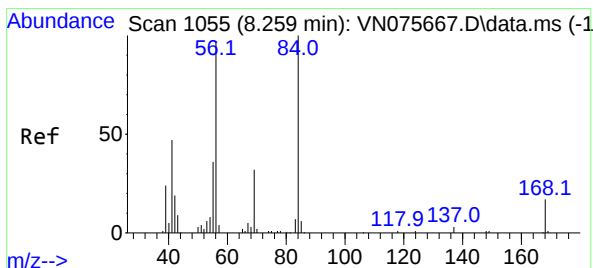
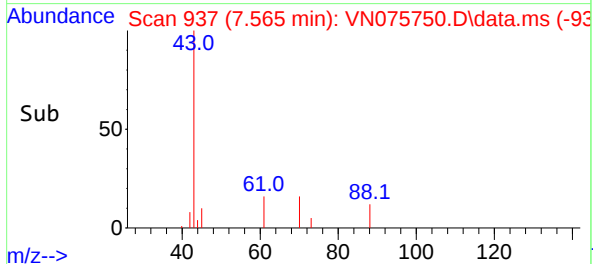
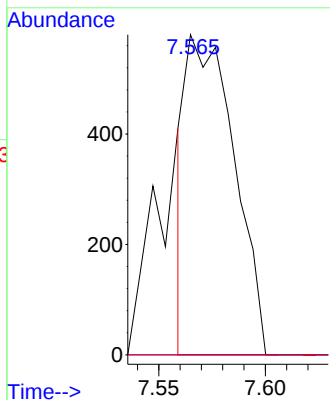
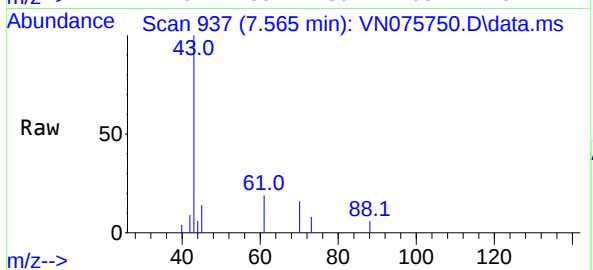




#29
Tetrahydrofuran
Concen: 1.105 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.282 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

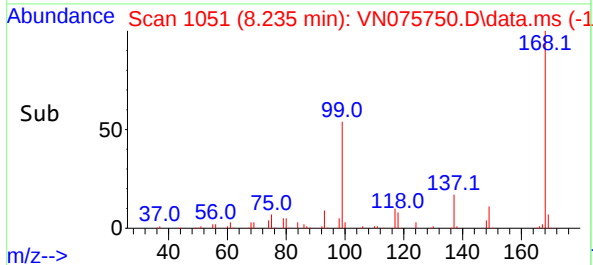
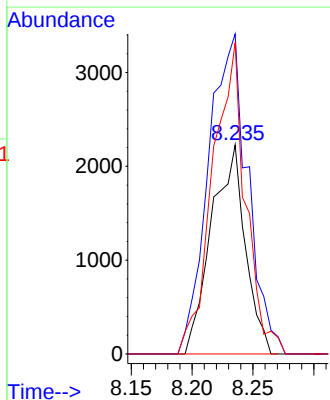
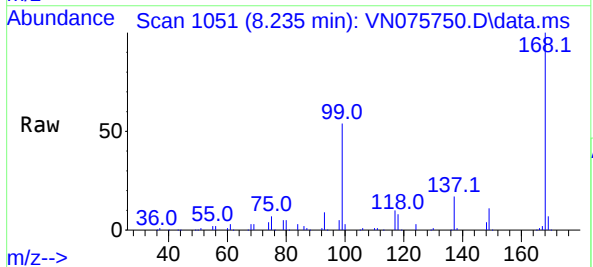
Instrument :
MSVOA_N
ClientSampleId :
TP-P

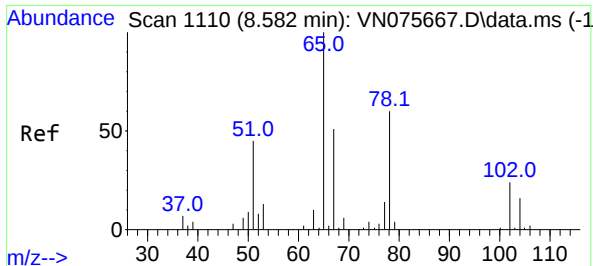
Tgt Ion: 42 Resp: 905
Ion Ratio Lower Upper
42 100
72 0.0 44.6 67.0#
71 0.0 41.2 61.8#



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 56 Resp: 4310
Ion Ratio Lower Upper
56 100
69 153.0 26.2 39.2#
84 149.0 82.8 124.2#

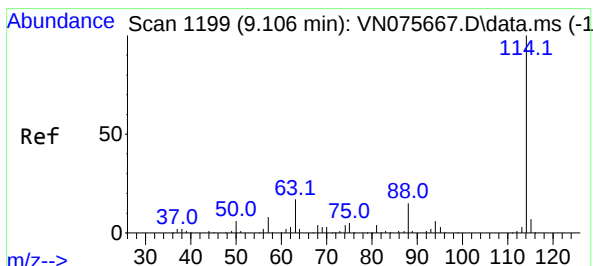
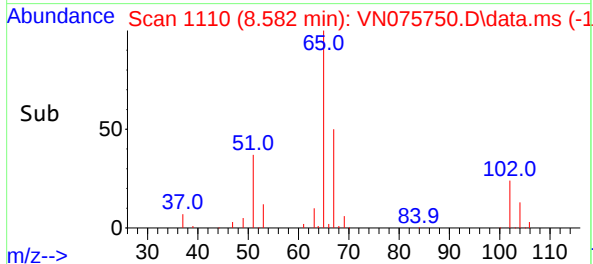
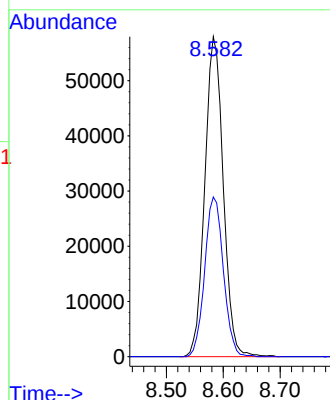
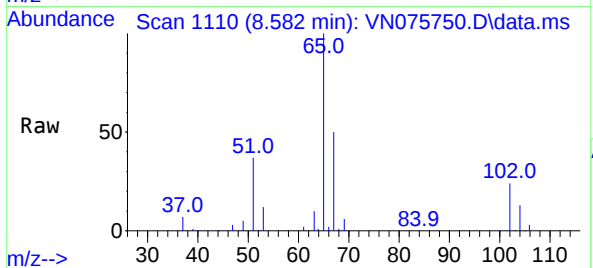




#33
1,2-Dichloroethane-d4
Concen: 48.570 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

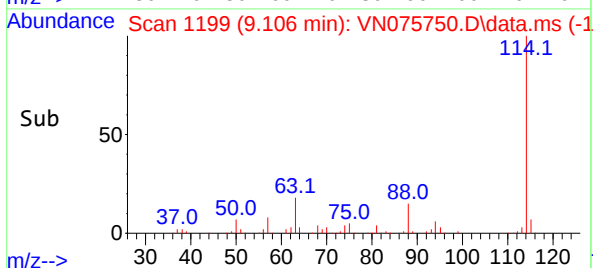
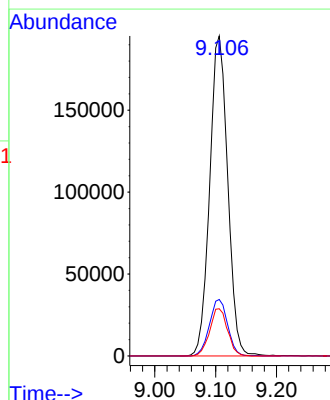
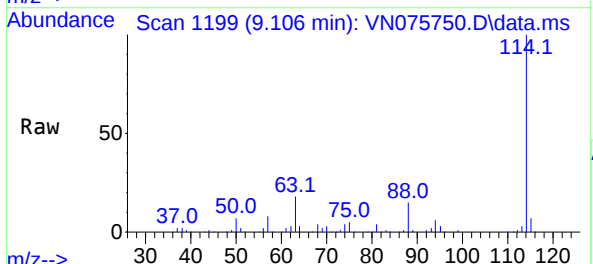
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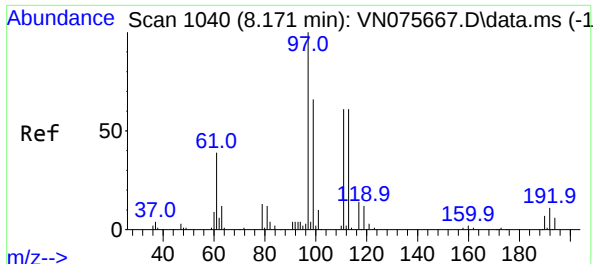
Tgt Ion: 65 Resp: 130386
Ion Ratio Lower Upper
65 100
67 50.6 0.0 104.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 114 Resp: 401230
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.4
88 14.8 0.0 29.2

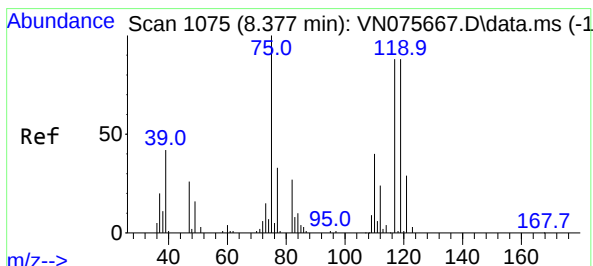
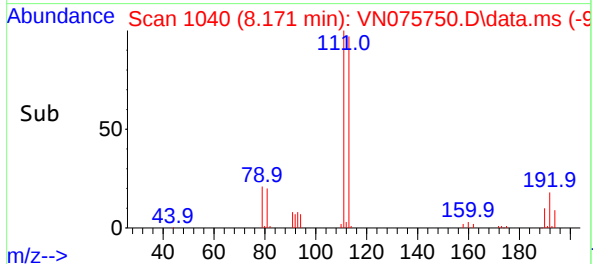
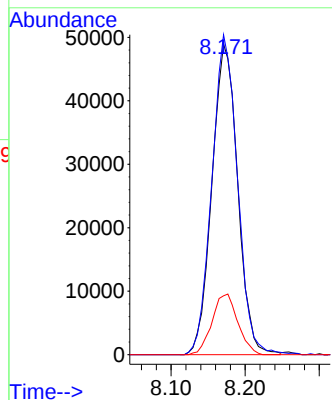
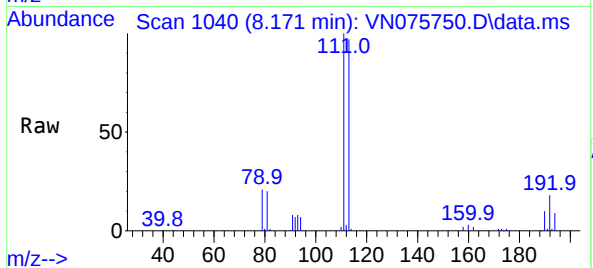




#35
Dibromofluoromethane
Concen: 48.178 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

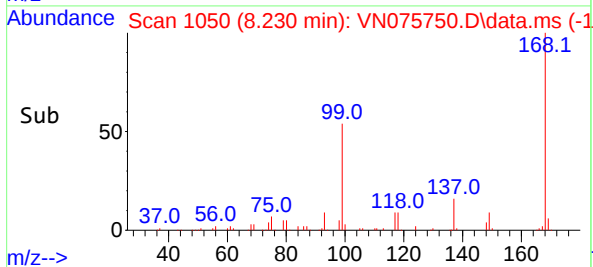
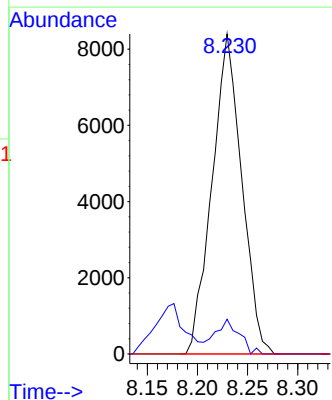
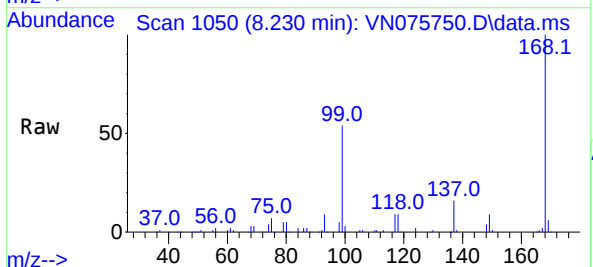
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MSVOA_N
ClientSampleId :
TP-P

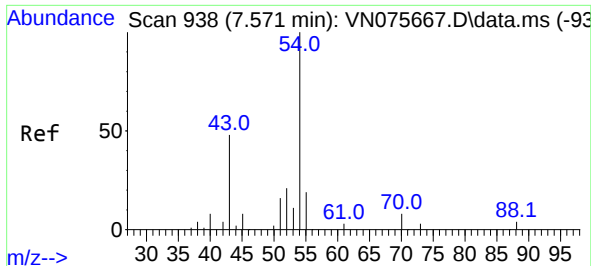
Tgt Ion:113 Resp: 117939
Ion Ratio Lower Upper
113 100
111 102.6 81.0 121.6
192 19.6 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.325 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 75 Resp: 17310
Ion Ratio Lower Upper
75 100
110 8.7 18.9 56.9#
77 0.0 25.4 38.2#

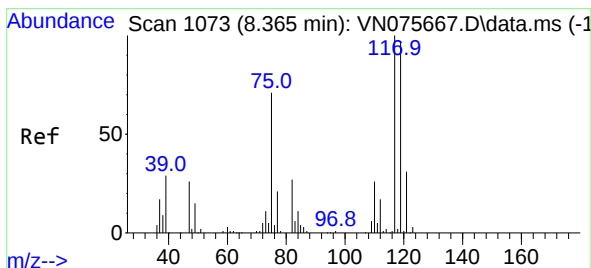
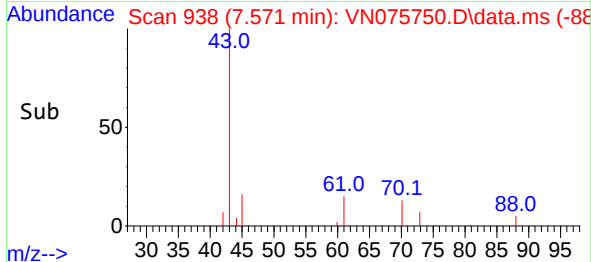
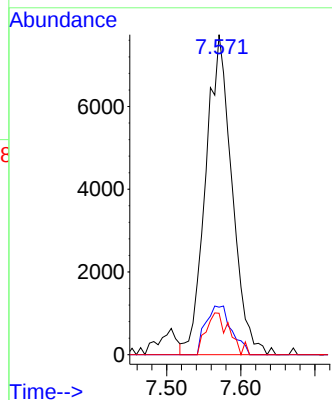
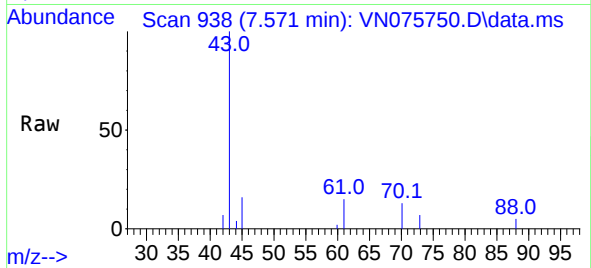




#37
Ethyl Acetate
Concen: 7.306 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

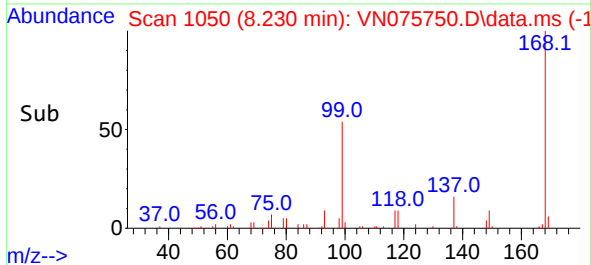
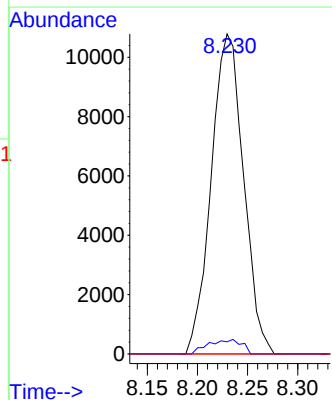
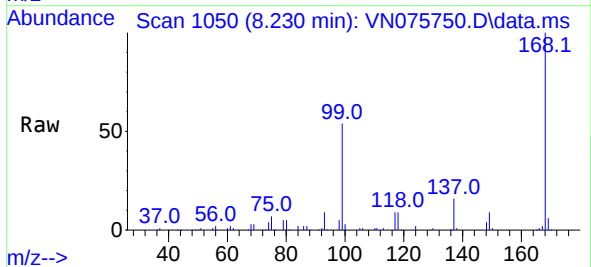
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TP-P

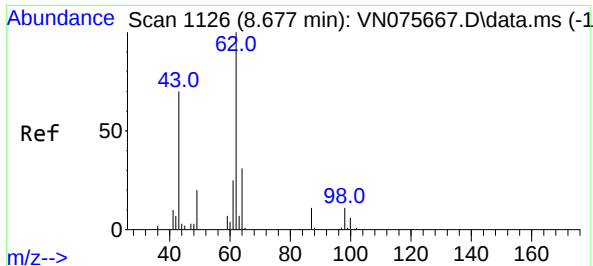
Tgt Ion:	43	Resp:	19067
Ion	Ratio	Lower	Upper
43	100		
61	14.9	13.3	19.9
70	11.6	9.9	14.9



#38
Carbon Tetrachloride
Concen: 6.441 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion:	117	Resp:	24159
Ion	Ratio	Lower	Upper
117	100		
119	3.8	77.2	115.8#
121	0.0	24.6	37.0#

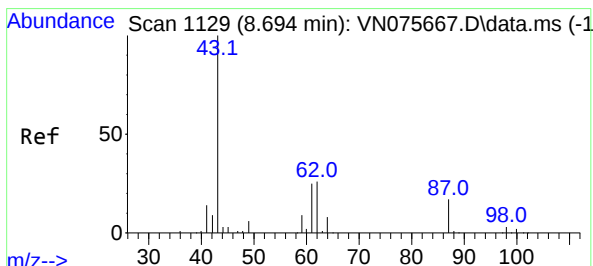
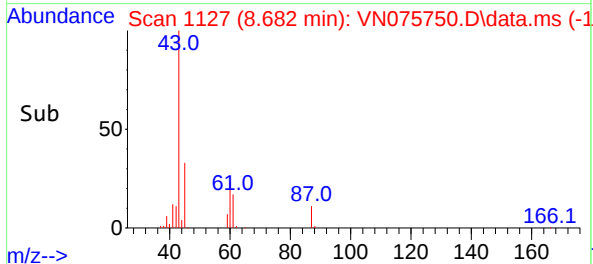
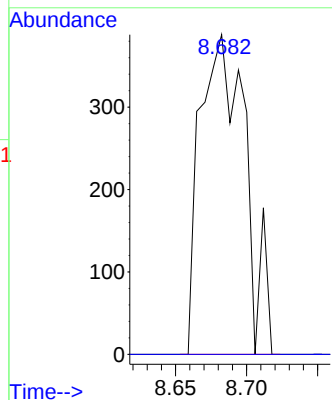
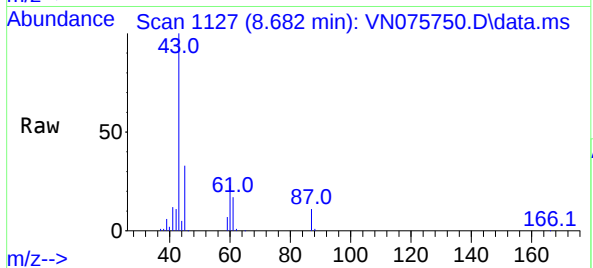




#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 8.682 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

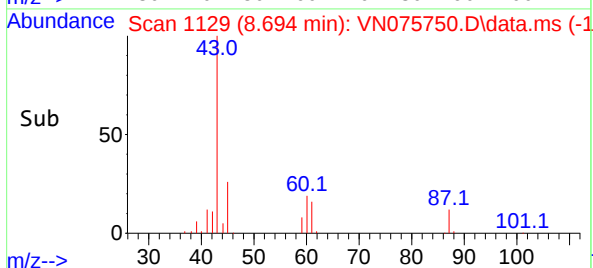
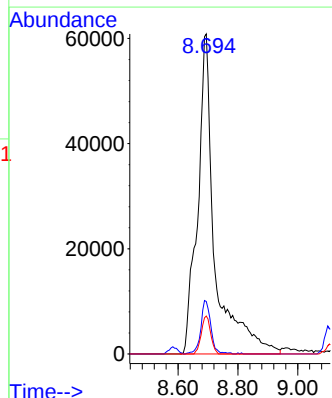
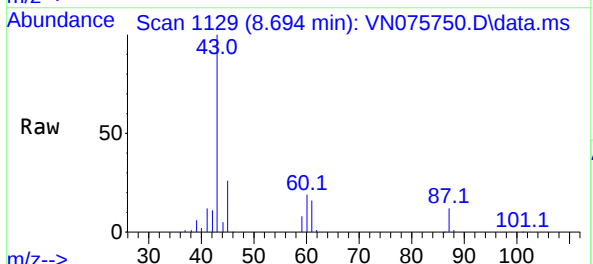
Instrument :
MSVOA_N
ClientSampleId :
TP-P

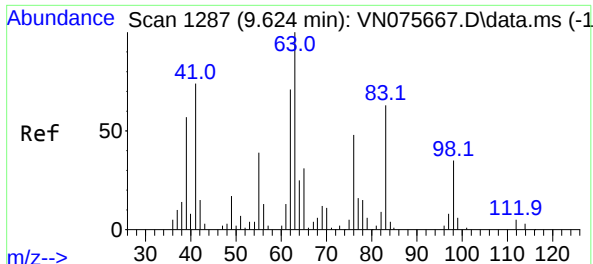
Tgt Ion: 62 Resp: 859
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8



#43
Isopropyl Acetate
Concen: 56.175 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 43 Resp: 244749
Ion Ratio Lower Upper
43 100
61 9.7 23.8 35.8#
87 6.4 13.7 20.5#

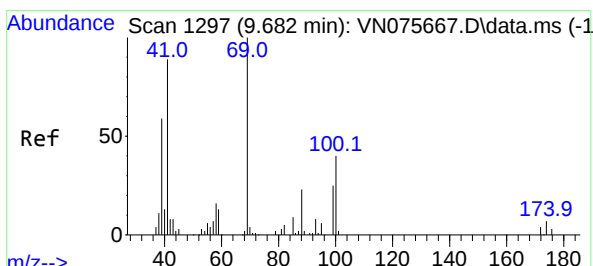
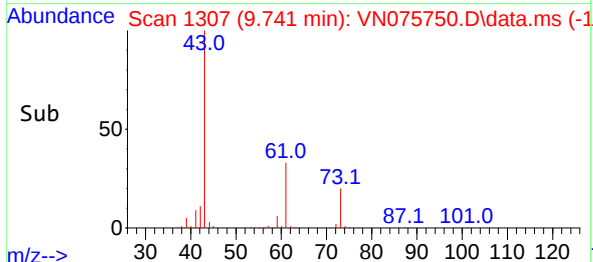
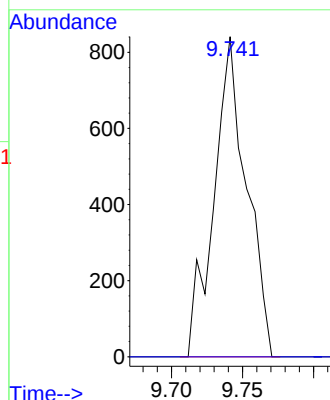
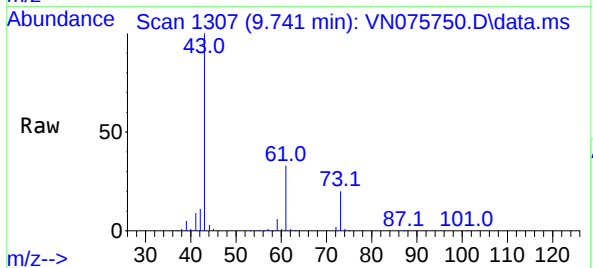




#45
1,2-Dichloropropane
Concen: 0.568 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

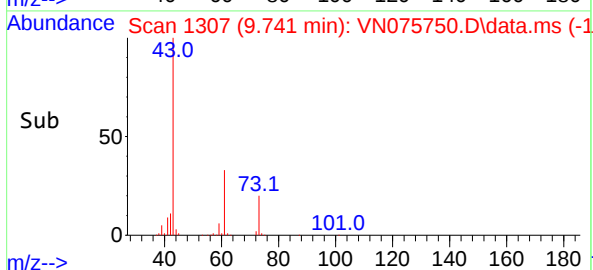
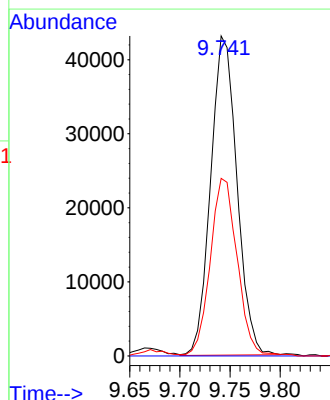
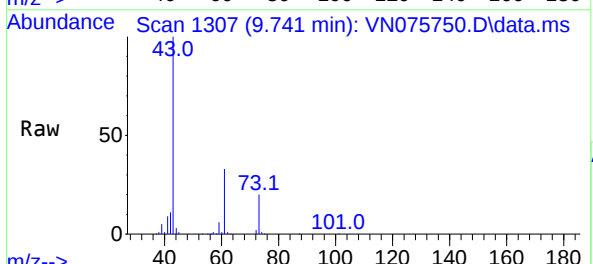
Instrument :
MSVOA_N
ClientSampleId :
TP-P

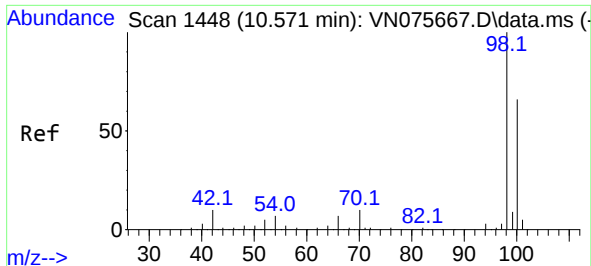
Tgt Ion: 63 Resp: 1348
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#



#48
Methyl methacrylate
Concen: 39.116 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.059 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 41 Resp: 78492
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 57.3 53.2 79.8

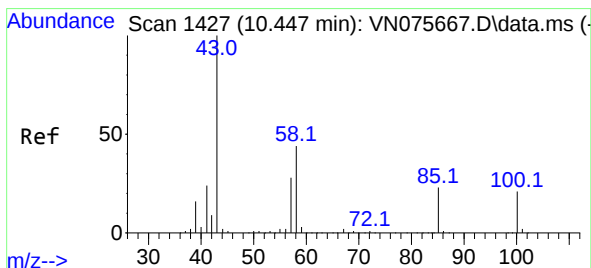
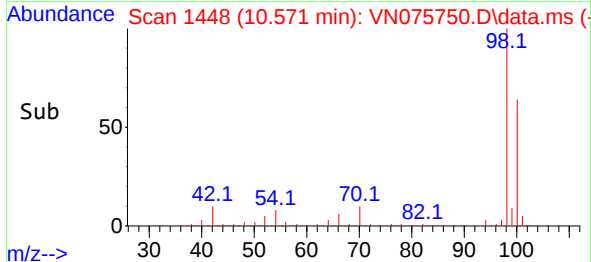
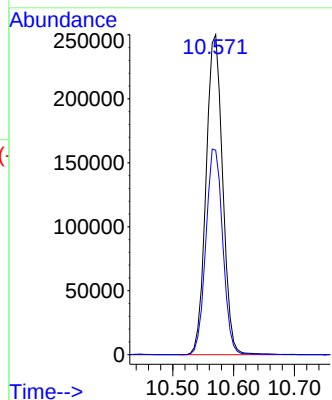
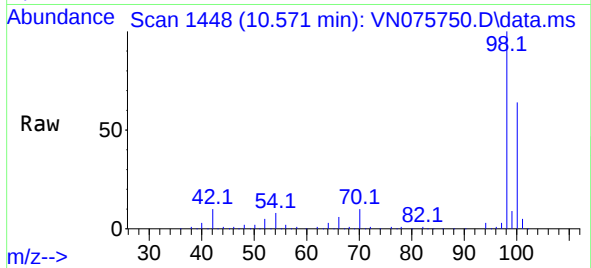




#50
Toluene-d8
Concen: 51.561 ug/l
RT: 10.571 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

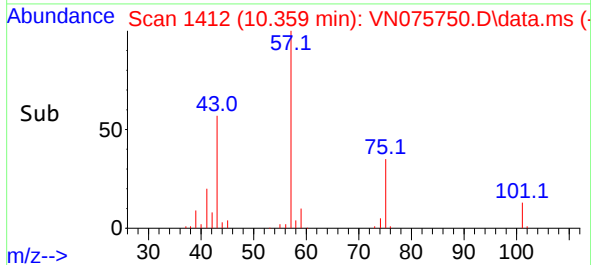
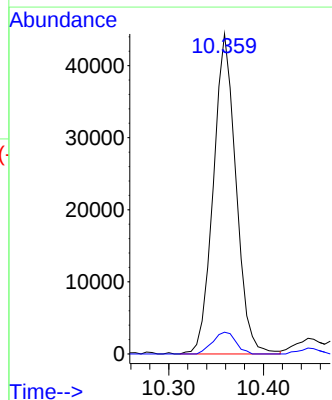
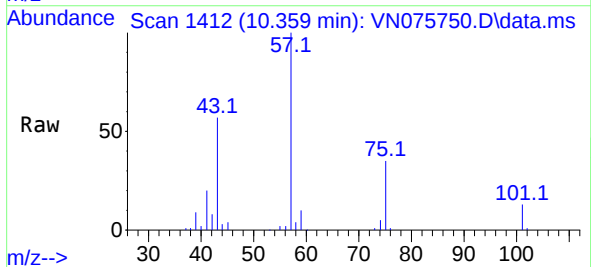
Instrument :
MSVOA_N
ClientSampleId :
TP-P

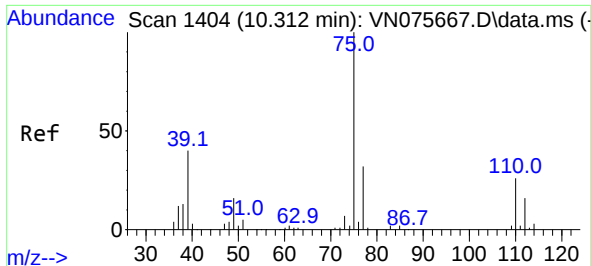
Tgt Ion: 98 Resp: 474007
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 27.493 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 43 Resp: 73861
Ion Ratio Lower Upper
43 100
58 6.9 35.0 52.6#

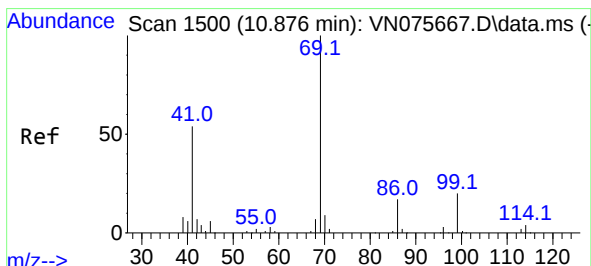
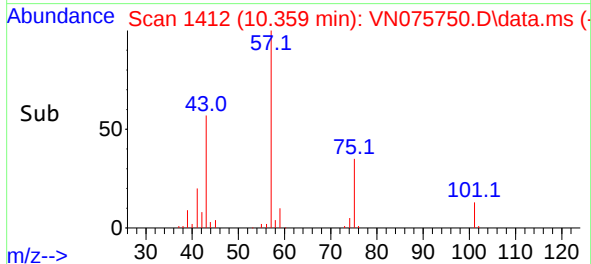
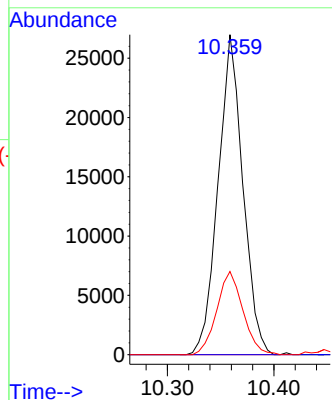
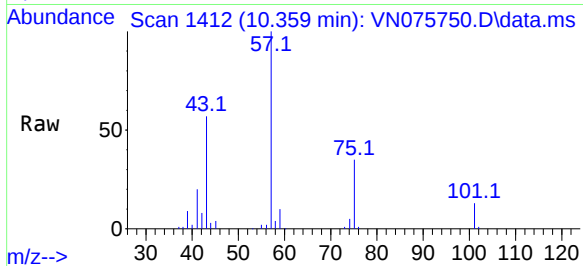




#54
 cis-1,3-Dichloropropene
 Concen: 11.334 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075750.D
 Acq: 13 Dec 2022 08:52

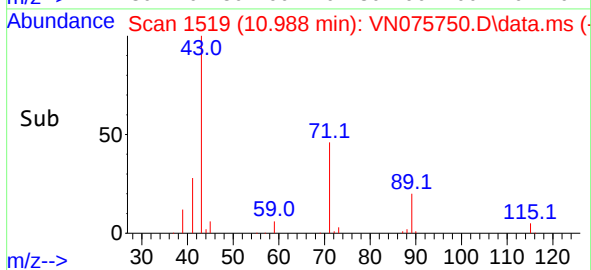
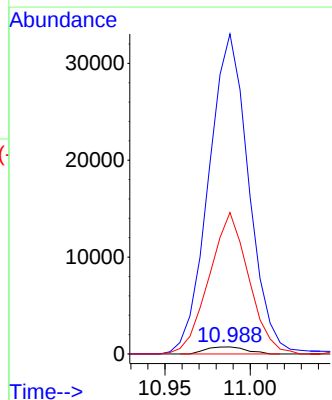
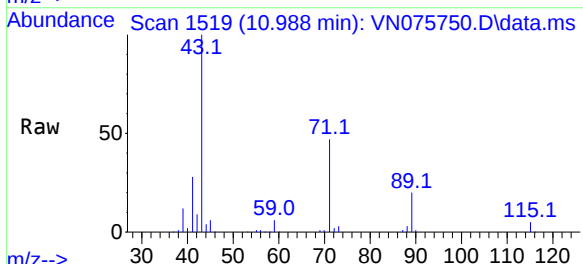
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-P

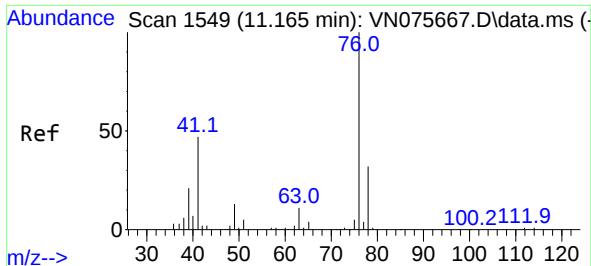
Tgt Ion: 75 Resp: 43497
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 26.0 32.0 48.0#



#56
 Ethyl methacrylate
 Concen: 0.340 ug/l
 RT: 10.988 min Scan# 1519
 Delta R.T. 0.112 min
 Lab File: VN075750.D
 Acq: 13 Dec 2022 08:52

Tgt Ion: 69 Resp: 1194
 Ion Ratio Lower Upper
 69 100
 41 4559.1 44.1 66.1#
 39 1978.7 27.7 41.5#





#57

1,3-Dichloropropane

Concen: 1.296 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075750.D

Acq: 13 Dec 2022 08:52

Instrument :

MSVOA_N

ClientSampleId :

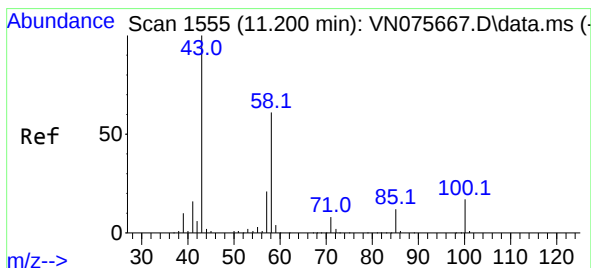
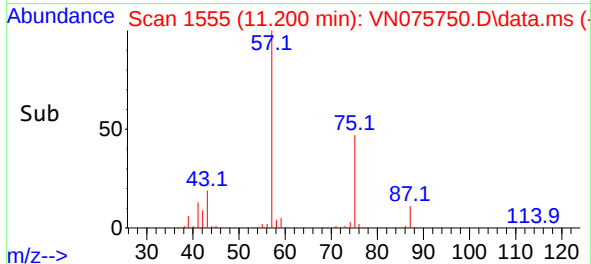
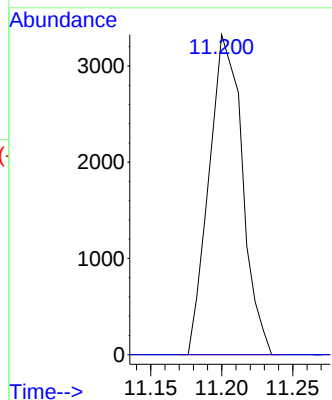
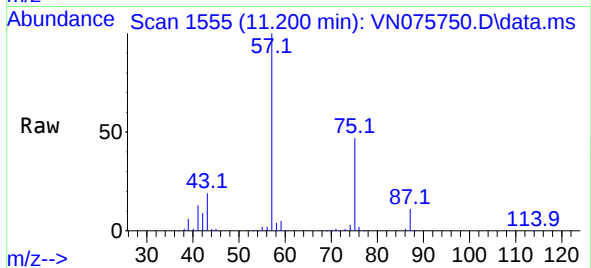
TP-P

Tgt Ion: 76 Resp: 5430

Ion Ratio Lower Upper

76 100

78 0.0 26.8 40.2#



#59

2-Hexanone

Concen: 41.915 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075750.D

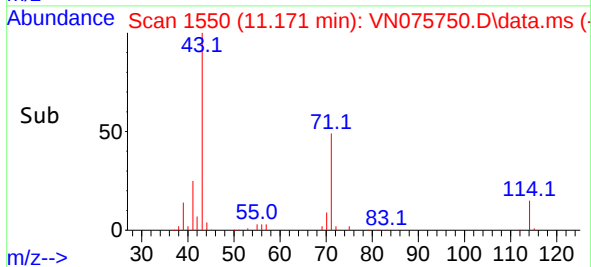
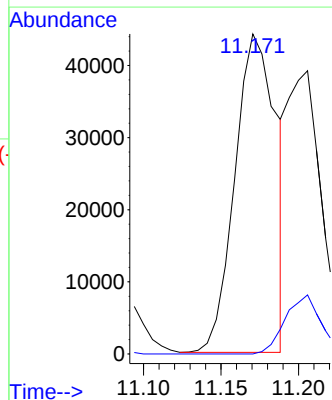
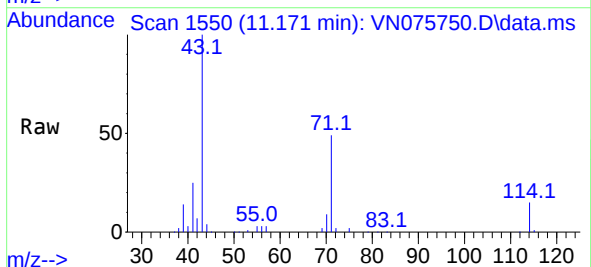
Acq: 13 Dec 2022 08:52

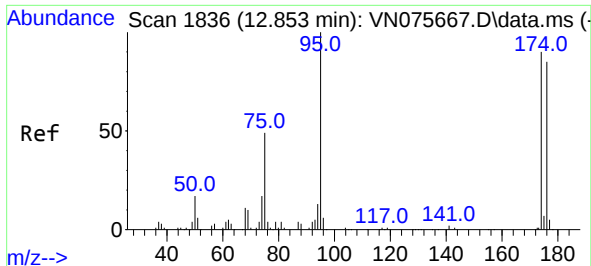
Tgt Ion: 43 Resp: 81812

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

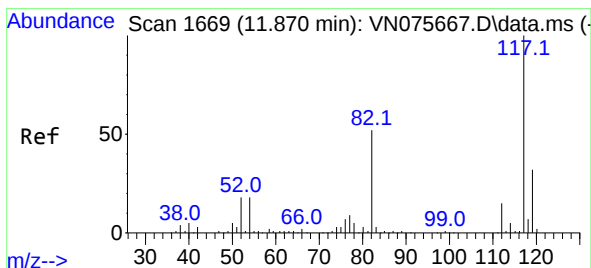
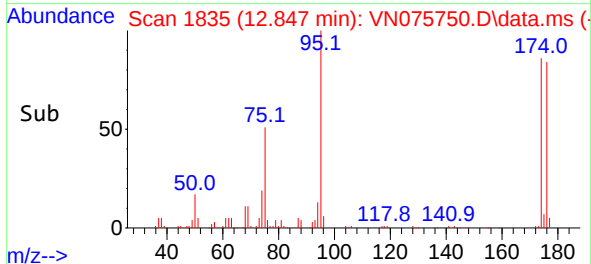
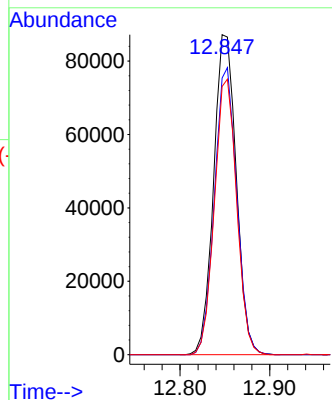
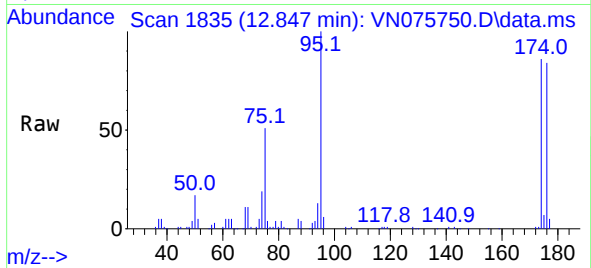




#62
4-Bromofluorobenzene
Concen: 48.568 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

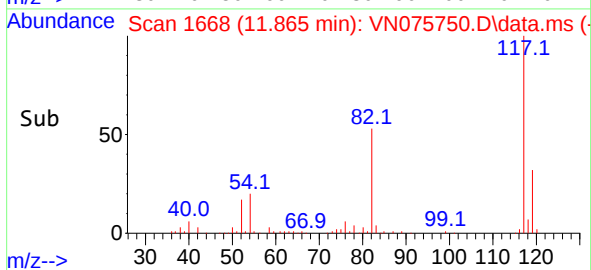
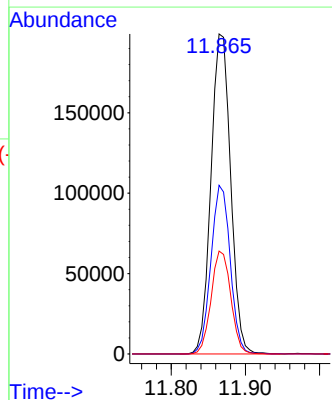
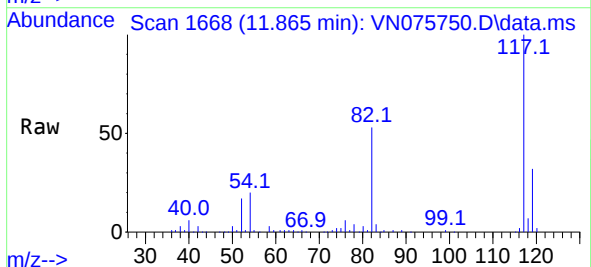
Instrument :
MSVOA_N
ClientSampleId :
TP-P

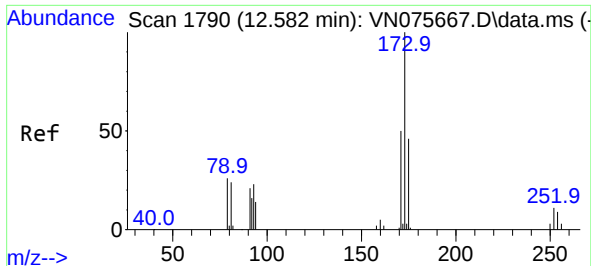
Tgt Ion: 95 Resp: 152659
Ion Ratio Lower Upper
95 100
174 88.5 0.0 178.6
176 84.6 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 117 Resp: 366691
Ion Ratio Lower Upper
117 100
82 52.7 41.8 62.8
119 32.2 25.8 38.6

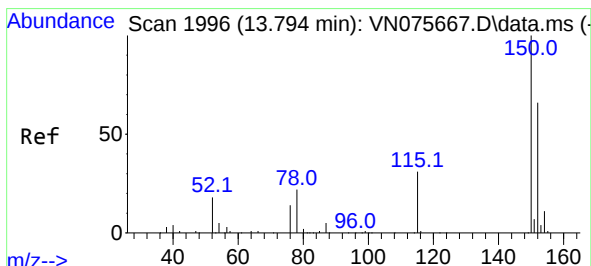
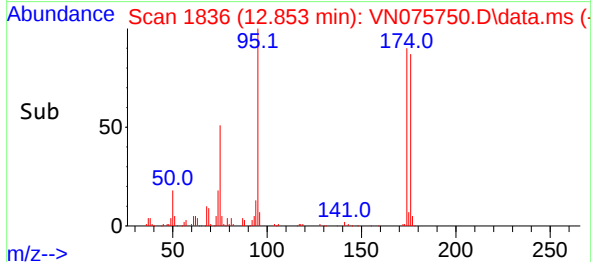
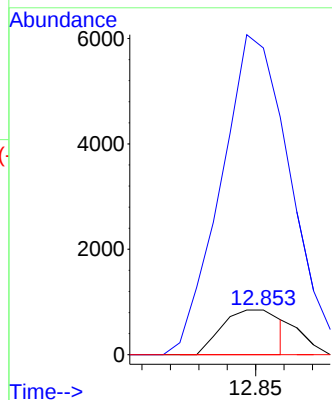
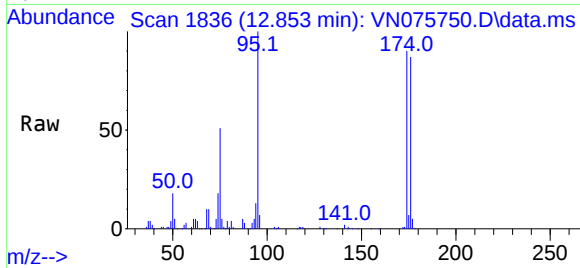




#71
Bromoform
Concen: 0.581 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

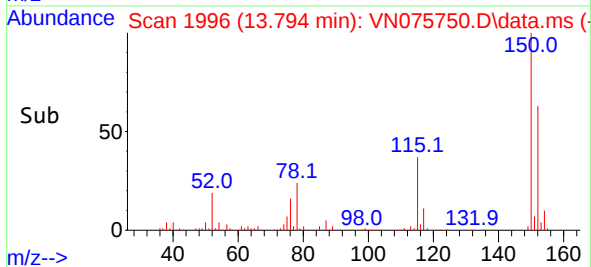
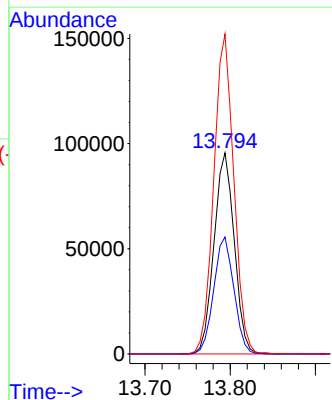
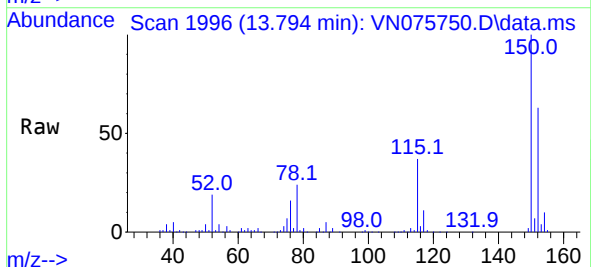
Instrument :
MSVOA_N
ClientSampleId :
TP-P

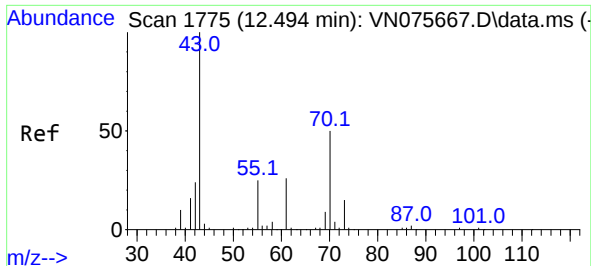
Tgt Ion:173 Resp: 1209
Ion Ratio Lower Upper
173 100
175 718.8 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion:152 Resp: 158504
Ion Ratio Lower Upper
152 100
115 57.8 28.4 85.2
150 156.9 0.0 347.6



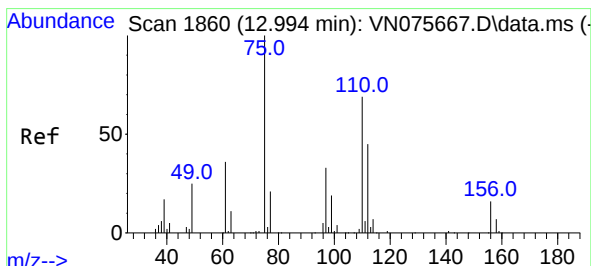
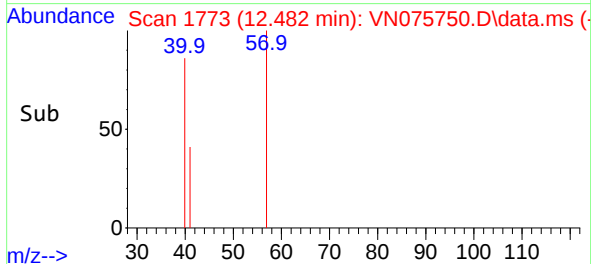
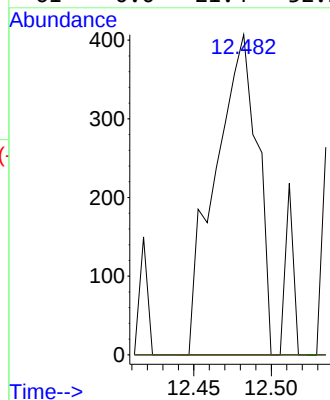
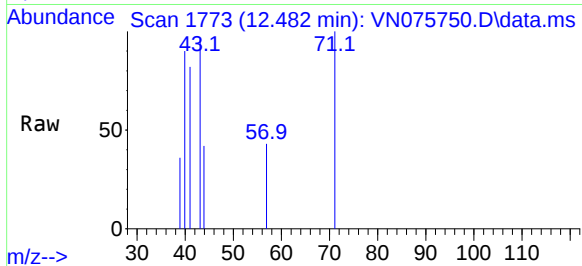


#74
N-amy1 acetate
Concen: 0.234 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Instrument :
MSVOA_N
ClientSampleId :
TP-P

Tgt Ion: 43 Resp: 773

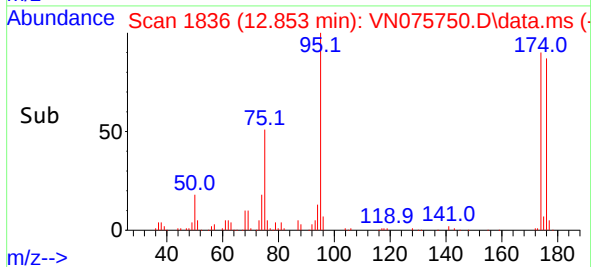
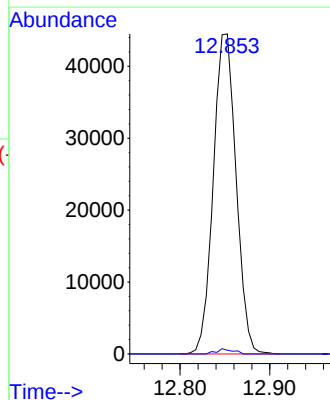
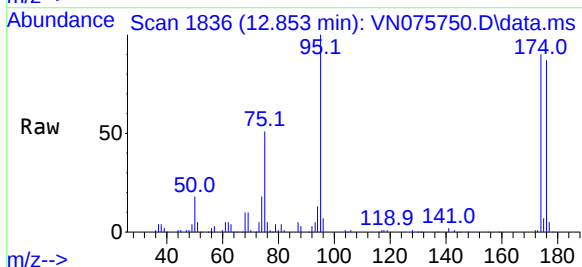
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.6#
55	0.0	20.7	31.1#
61	0.0	21.4	32.2#

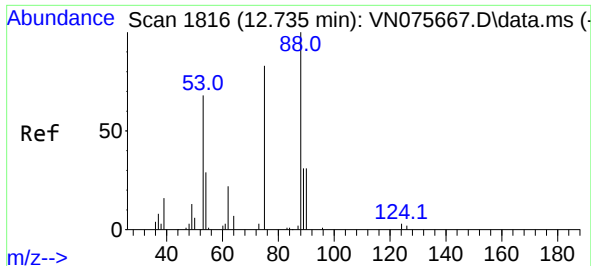


#76
1,2,3-Trichloropropane
Concen: 24.658 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075750.D
Acq: 13 Dec 2022 08:52

Tgt Ion: 75 Resp: 78489

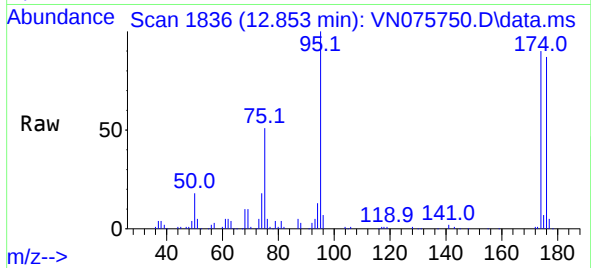
Ion	Ratio	Lower	Upper
75	100		
77	1.2	81.8	245.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.707 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075750.D
 Acq: 13 Dec 2022 08:52

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-P



Tgt Ion: 75 Resp: 78489
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.4 108.6#
 89 0.0 36.6 55.0#

