

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075161.D
 Acq On : 03 Nov 2022 22:01
 Operator : JC\MD
 Sample : N5418-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-O

Quant Time: Nov 04 04:13:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

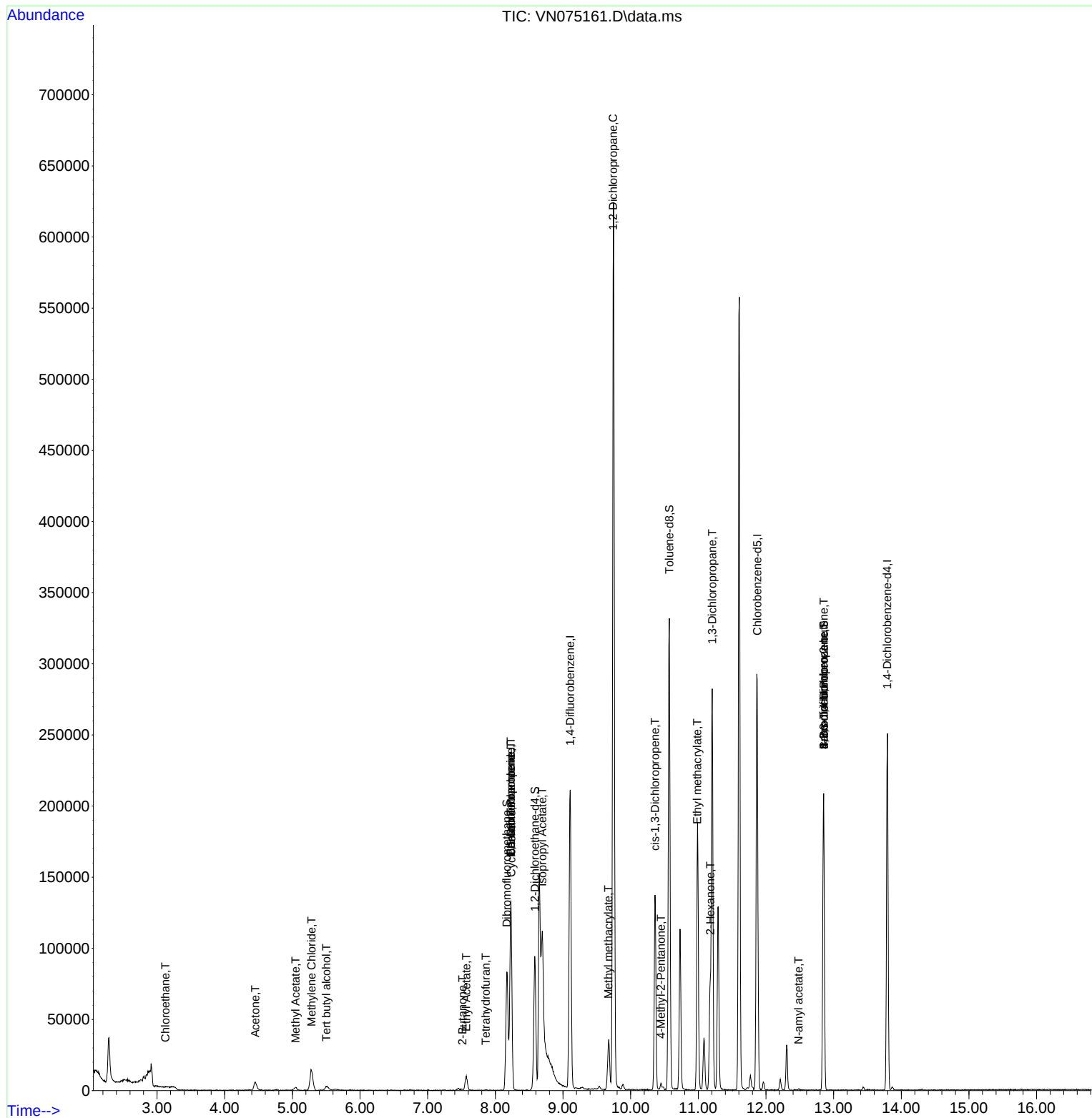
Internal Standards						
1) Pentafluorobenzene	8.230	168	90701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	185278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	169283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	64347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	75220	61.550	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.100%			
35) Dibromofluoromethane	8.171	113	57886	53.220	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.440%			
50) Toluene-d8	10.571	98	228358	54.115	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.220%			
62) 4-Bromofluorobenzene	12.853	95	70146	47.320	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.640%			
Target Compounds						Qvalue
5) Bromomethane	2.912	94	297	Below Cal	#	58
6) Chloroethane	3.124	64	580	0.452	ug/l #	45
11) Tert butyl alcohol	5.500	59	2899	10.172	ug/l #	72
16) Acetone	4.453	43	11596	22.409	ug/l	92
18) Methyl Acetate	5.047	43	4507	2.666	ug/l #	83
20) Methylene Chloride	5.283	84	12053	10.447	ug/l #	91
25) 2-Butanone	7.512	43	1245	1.530	ug/l	94
29) Tetrahydrofuran	7.859	42	110	0.209	ug/l #	26
31) Cyclohexane	8.235	56	2016	1.109	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	8056	4.784	ug/l #	51
37) Ethyl Acetate	7.571	43	14767	7.996	ug/l	96
38) Carbon Tetrachloride	8.230	117	10576	5.710	ug/l #	18
43) Isopropyl Acetate	8.694	43	171897	60.009	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	868	0.707	ug/l #	42
48) Methyl methacrylate	9.671	41	1941	1.477	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	2116	1.145	ug/l	96
54) cis-1,3-Dichloropropene	10.359	75	25672	12.387	ug/l #	70
56) Ethyl methacrylate	10.982	69	617	0.296	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3015	1.325	ug/l #	42
59) 2-Hexanone	11.176	43	60147	42.873	ug/l #	21
71) Bromoform	12.853	173	565	0.563	ug/l #	1
74) N-amyl acetate	12.482	43	620	0.325	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	38728	28.346	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	38728	72.764	ug/l #	10

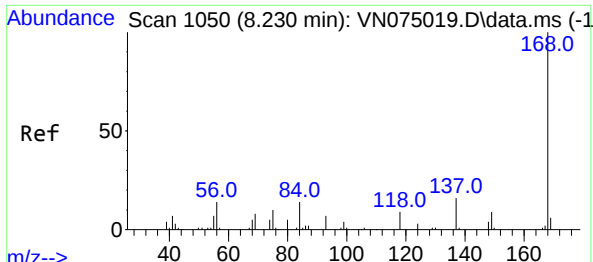
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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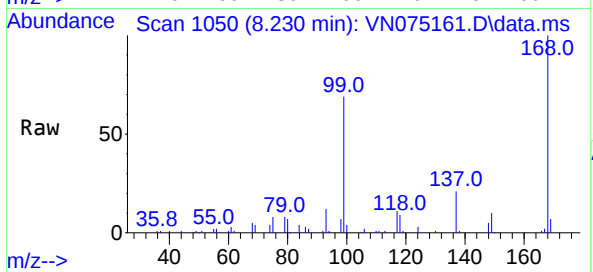
Quant Time: Nov 04 04:13:11 2022
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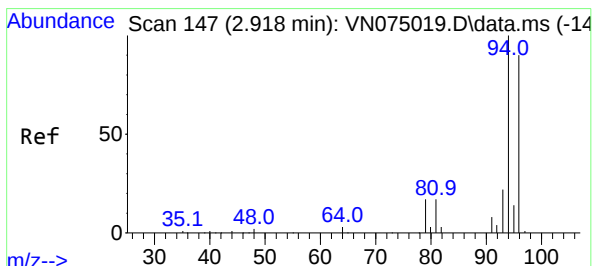
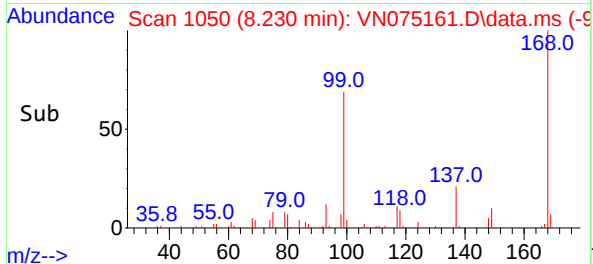
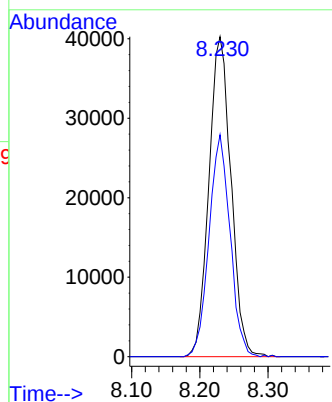


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Instrument :
MSVOA_N
ClientSampleId :
TP-O

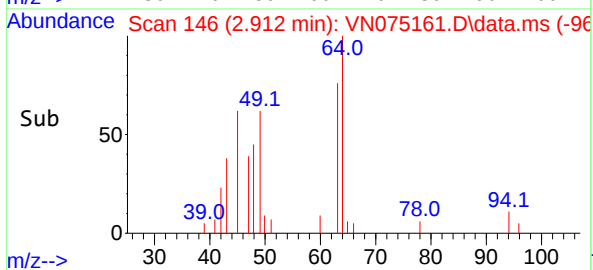
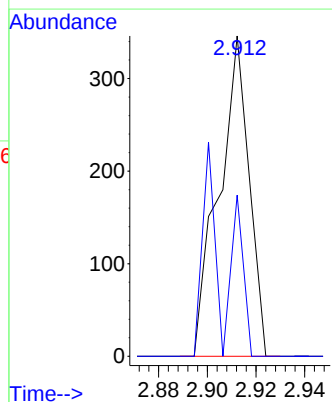
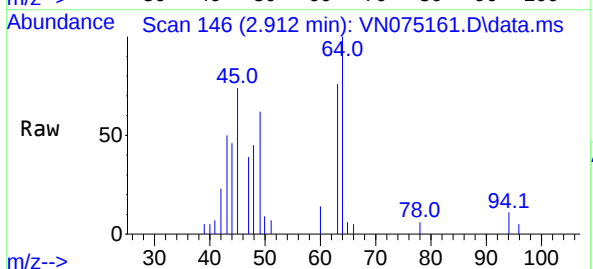


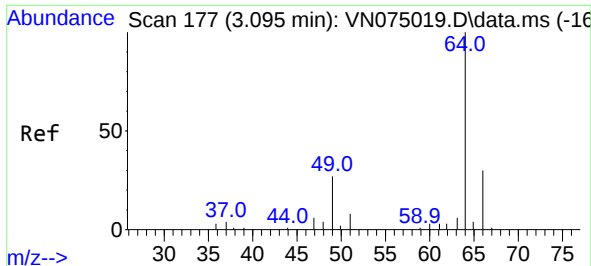
Tgt Ion:168 Resp: 90701
Ion Ratio Lower Upper
168 100
99 69.4 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.912 min Scan# 146
Delta R.T. -0.006 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 94 Resp: 297
Ion Ratio Lower Upper
94 100
96 50.3 71.8 107.6#

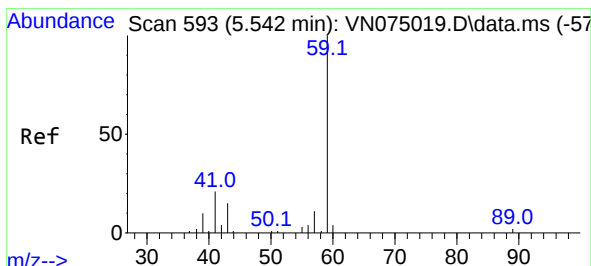
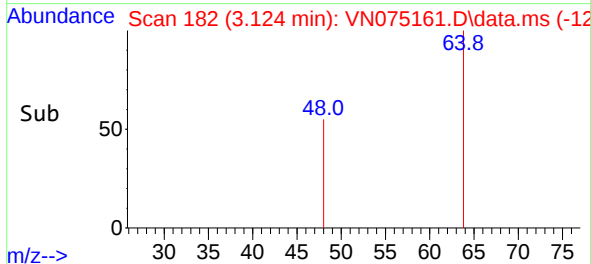
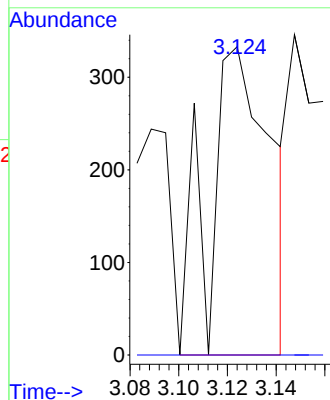
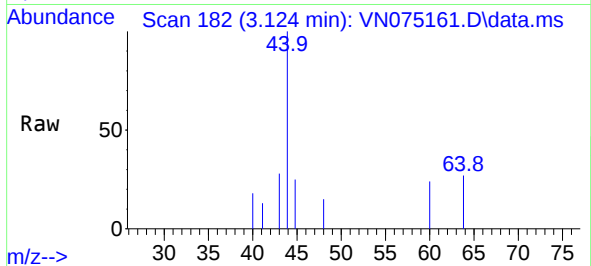




#6
Chloroethane
Concen: 0.452 ug/l
RT: 3.124 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

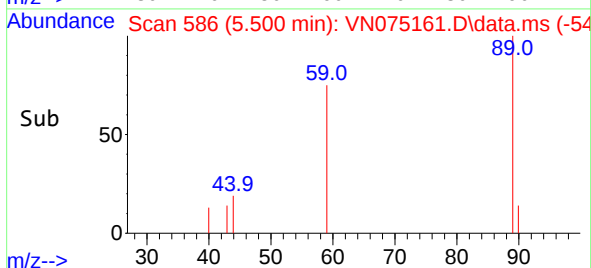
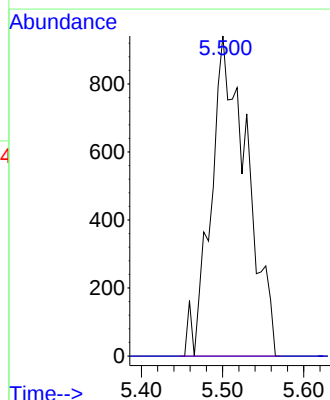
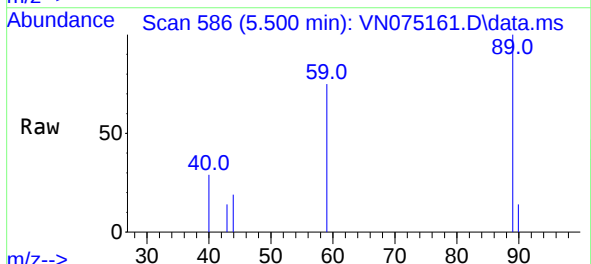
Instrument :
MSVOA_N
ClientSampleId :
TP-O

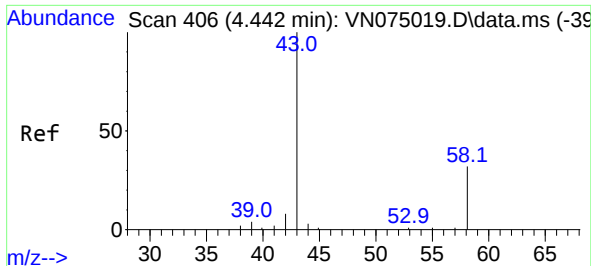
Tgt Ion: 64 Resp: 580
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 10.172 ug/l
RT: 5.500 min Scan# 586
Delta R.T. -0.042 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 59 Resp: 2899
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

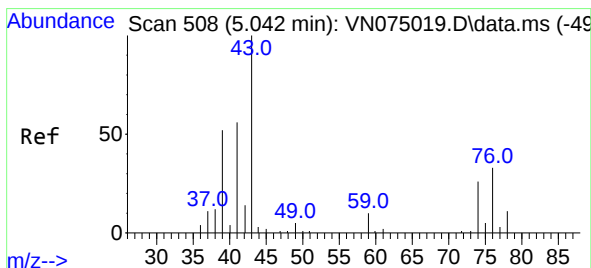
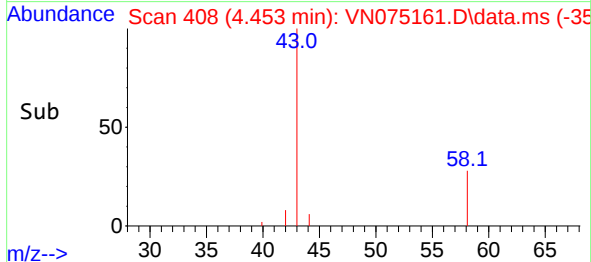
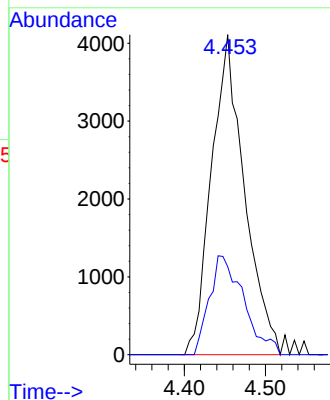
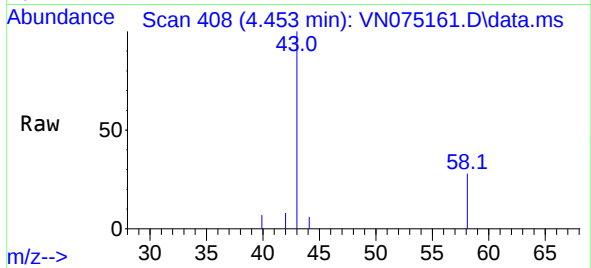




#16
Acetone
Concen: 22.409 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

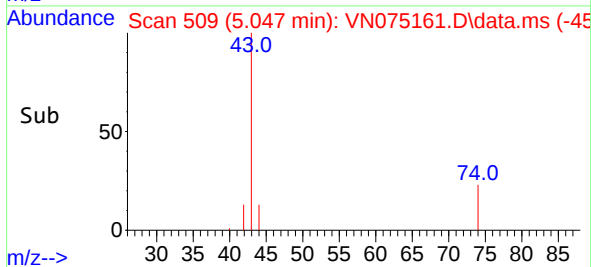
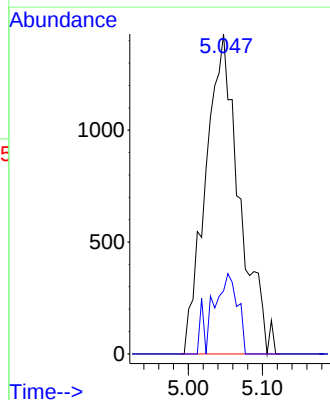
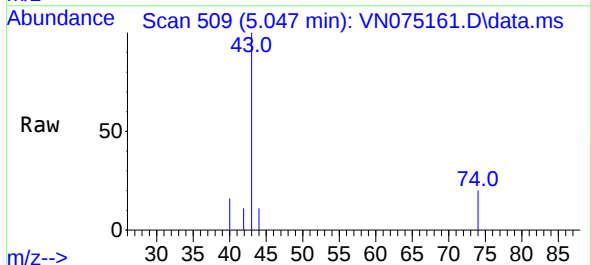
Instrument :
MSVOA_N
ClientSampleId :
TP-O

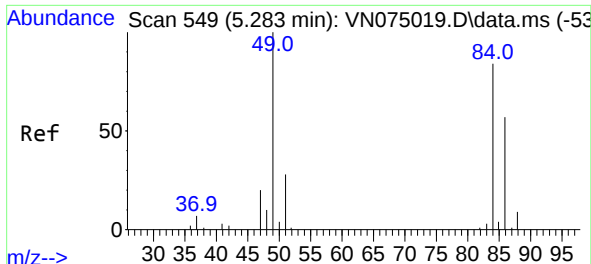
Tgt Ion: 43 Resp: 11596
Ion Ratio Lower Upper
43 100
58 27.5 25.5 38.3



#18
Methyl Acetate
Concen: 2.666 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 43 Resp: 4507
Ion Ratio Lower Upper
43 100
74 18.5 22.0 33.0#

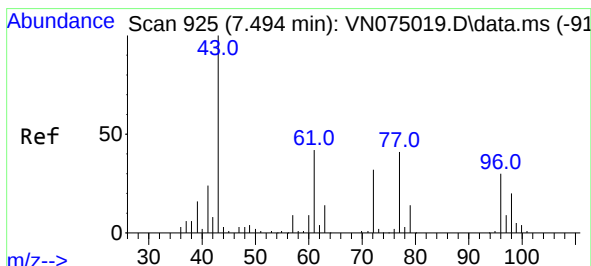
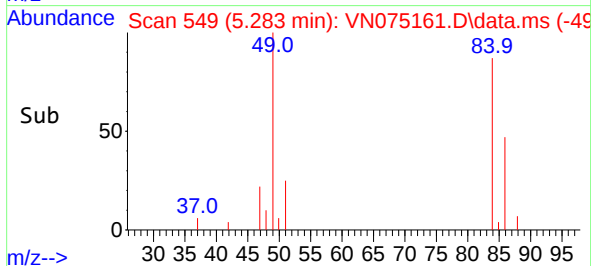
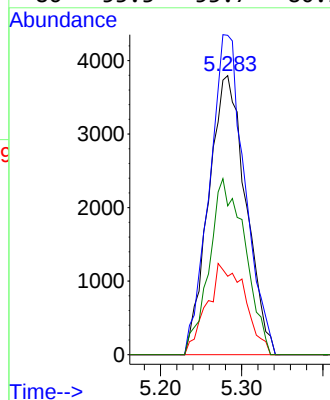
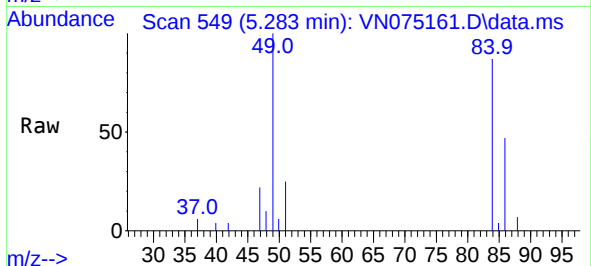




#20
Methylene Chloride
Concen: 10.447 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

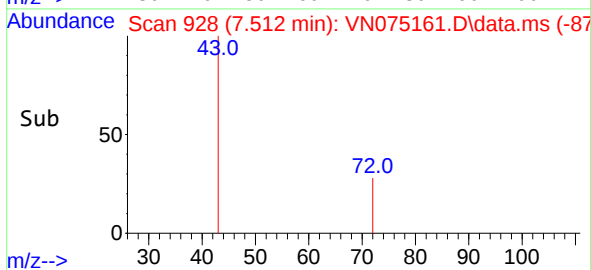
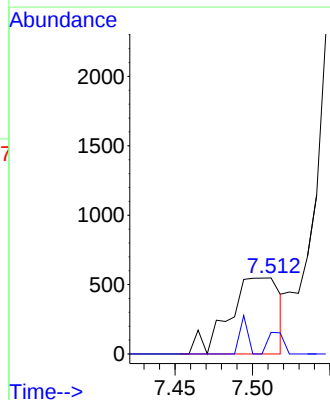
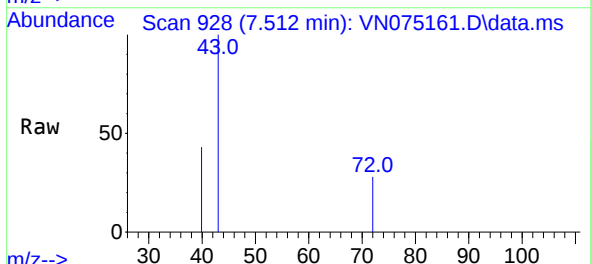
Instrument :
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ClientSampleId :
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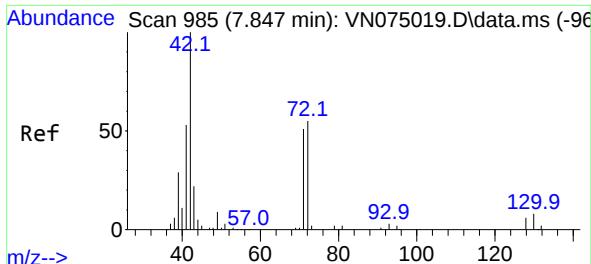
Tgt Ion:	84	Resp:	12053
Ion	Ratio	Lower	Upper
84	100		
49	114.4	94.9	142.3
51	28.1	26.8	40.2
86	53.3	53.7	80.5#



#25
2-Butanone
Concen: 1.530 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.018 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion:	43	Resp:	1245
Ion	Ratio	Lower	Upper
43	100		
72	28.5	25.5	38.3

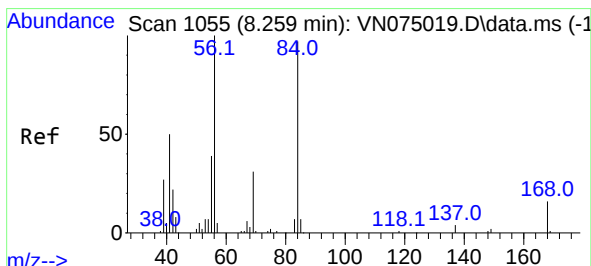
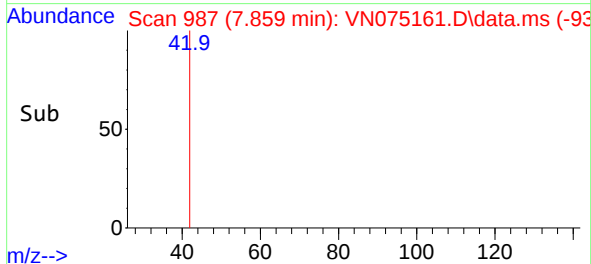
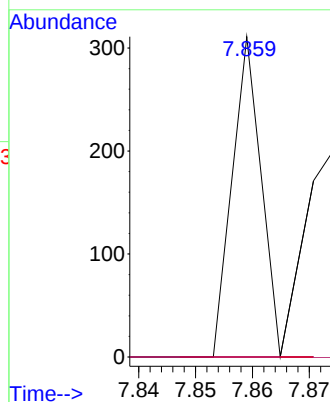
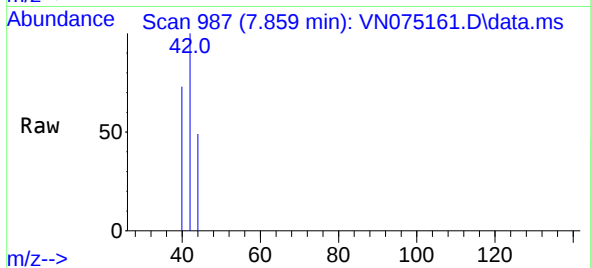




#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 7.859 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

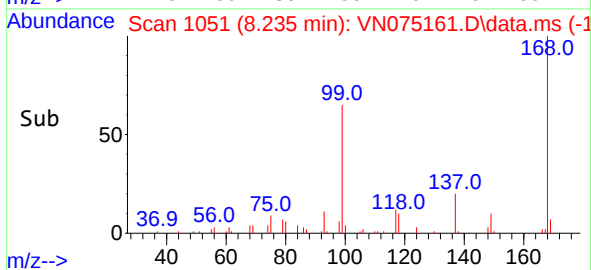
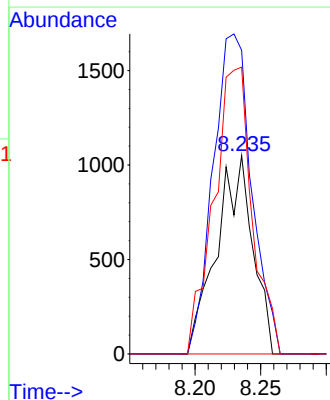
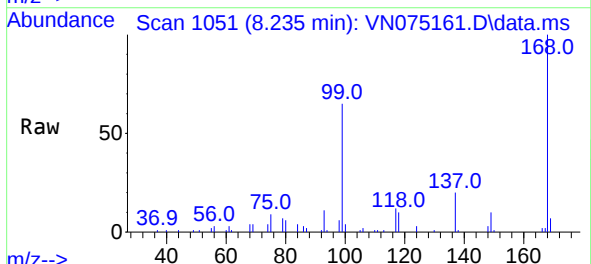
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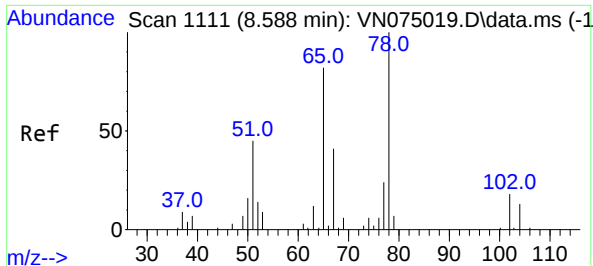
Tgt Ion: 42 Resp: 110
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 56 Resp: 2016
Ion Ratio Lower Upper
56 100
69 153.1 25.2 37.8#
84 144.7 77.8 116.8#

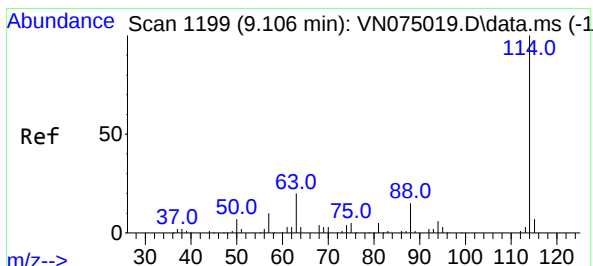
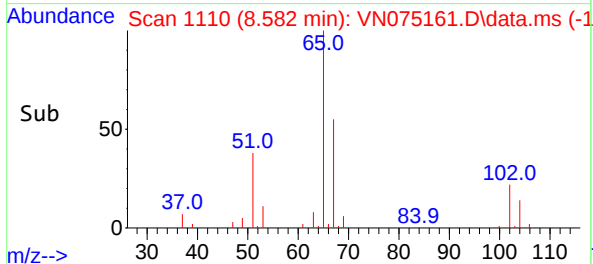
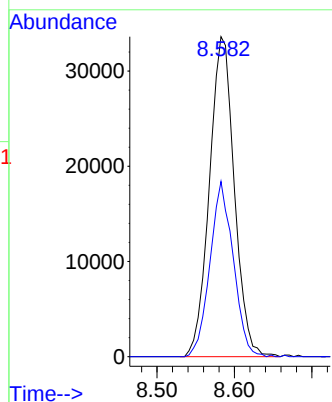
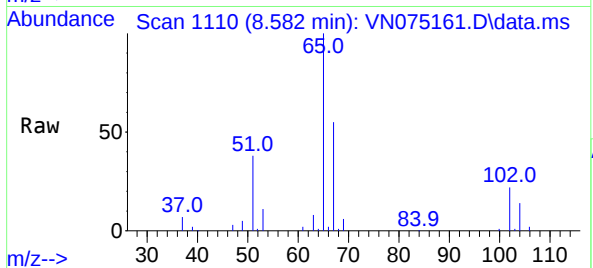




#33
1,2-Dichloroethane-d4
Concen: 61.550 ug/l
RT: 8.582 min Scan# 1111
Delta R.T. -0.006 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

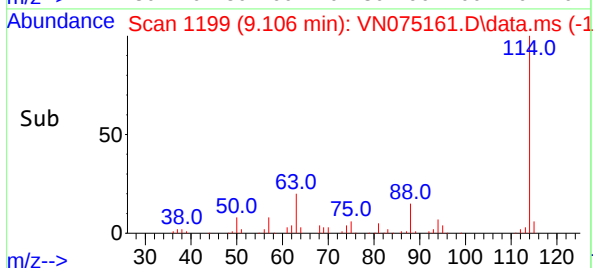
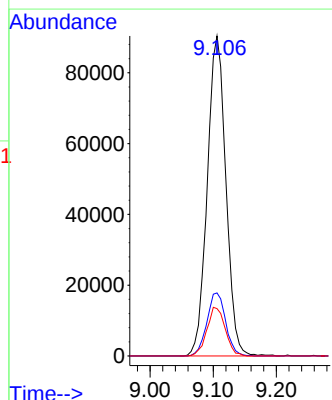
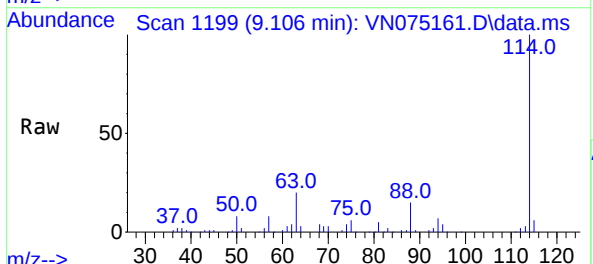
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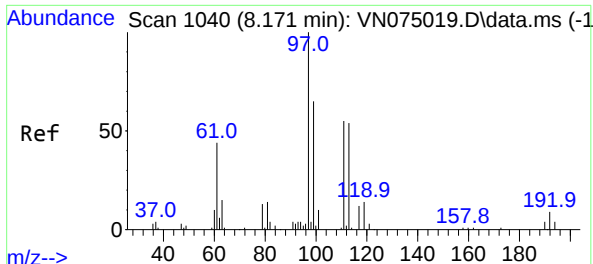
Tgt Ion: 65 Resp: 75220
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 114 Resp: 185278
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 14.8 0.0 29.0

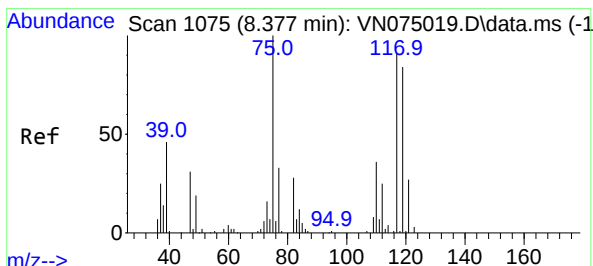
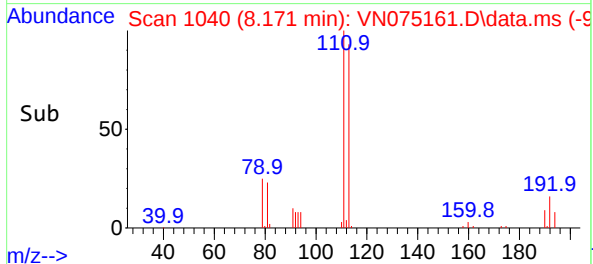
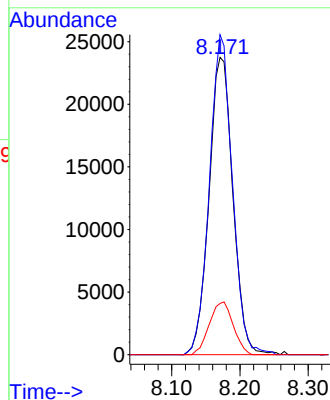
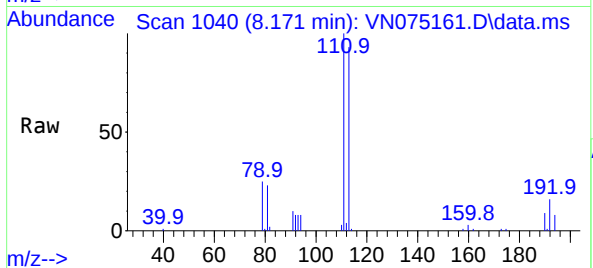




#35
Dibromofluoromethane
Concen: 53.220 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

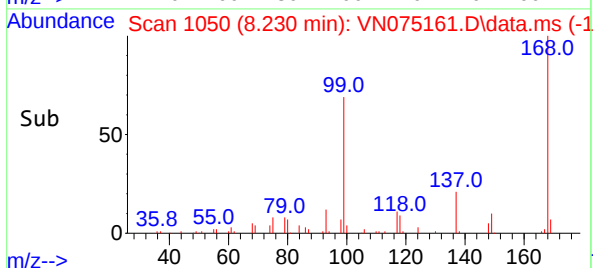
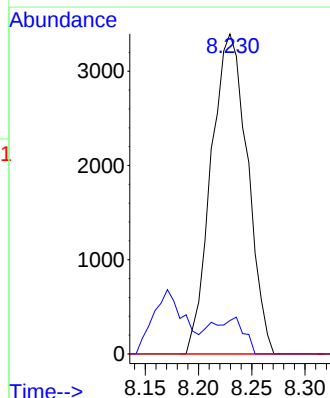
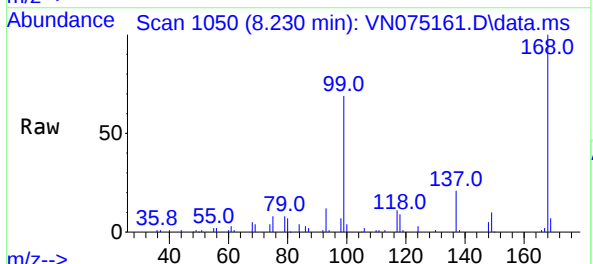
Instrument :
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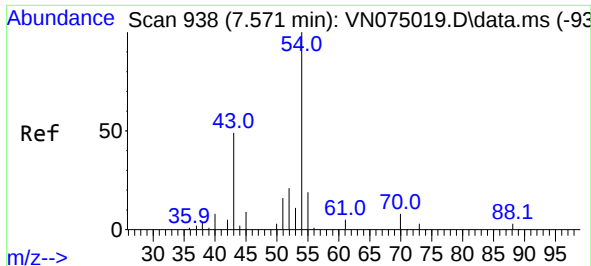
Tgt Ion:113 Resp: 57886
Ion Ratio Lower Upper
113 100
111 103.3 80.5 120.7
192 17.7 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 75 Resp: 8056
Ion Ratio Lower Upper
75 100
110 10.4 17.8 53.3#
77 0.0 24.6 37.0#

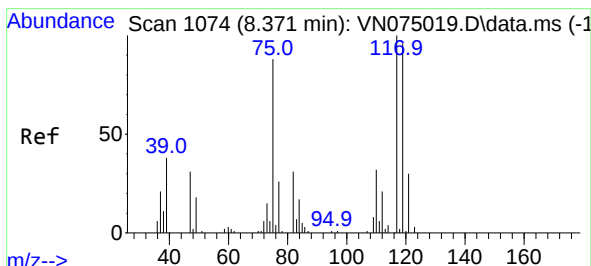
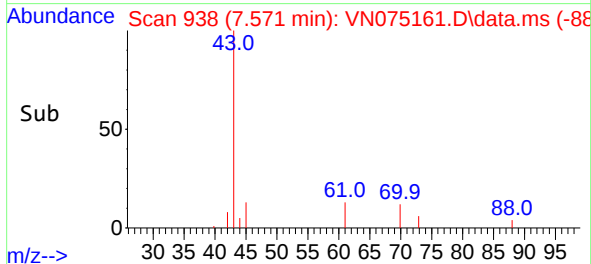
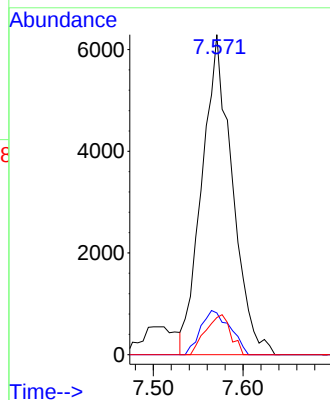
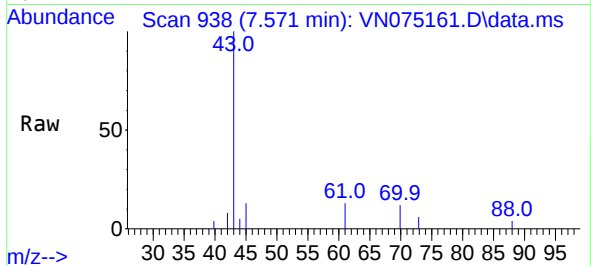




#37
Ethyl Acetate
Concen: 7.996 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

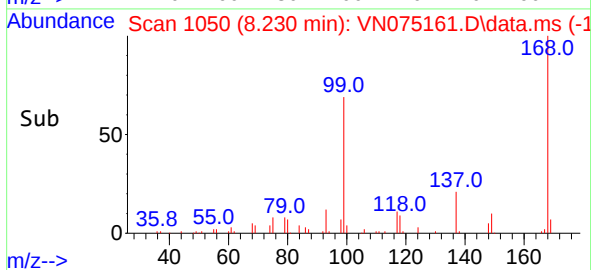
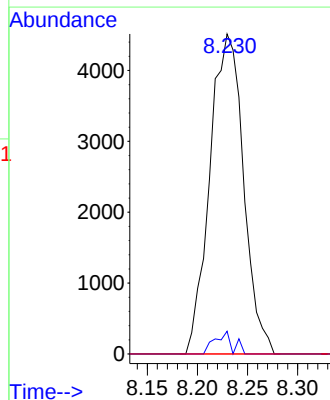
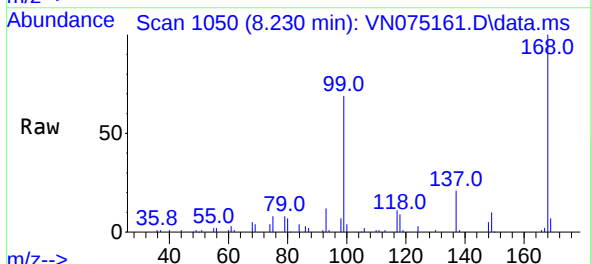
Instrument :
MSVOA_N
ClientSampleId :
TP-O

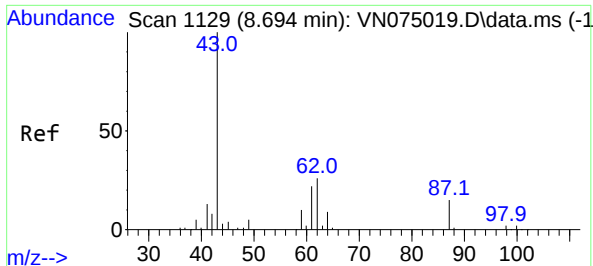
Tgt Ion:	43	Resp:	14767
Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.2	18.4
70	10.3	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.710 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion:	117	Resp:	10576
Ion	Ratio	Lower	Upper
117	100		
119	7.1	76.7	115.1#
121	0.0	23.9	35.9#

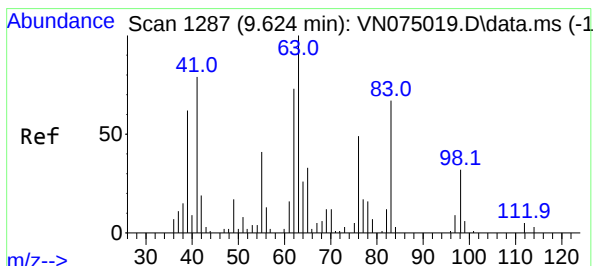
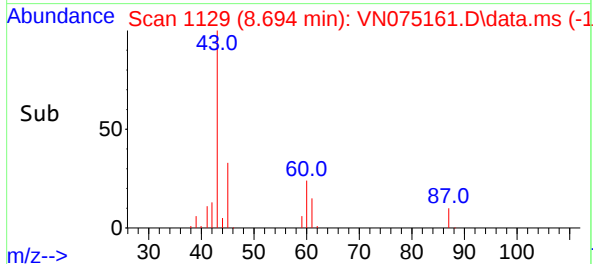
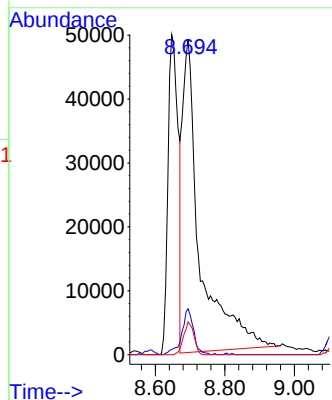
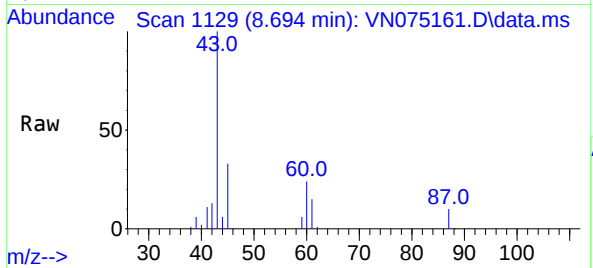




#43
Isopropyl Acetate
Concen: 60.009 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

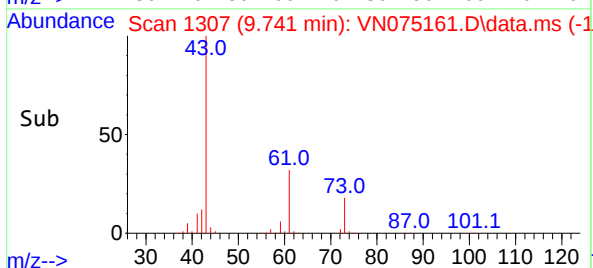
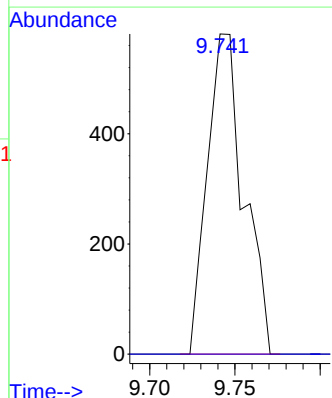
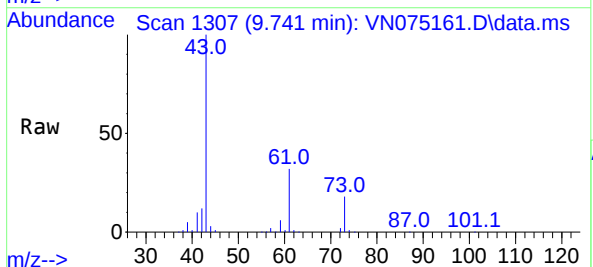
Instrument :
MSVOA_N
ClientSampleId :
TP-O

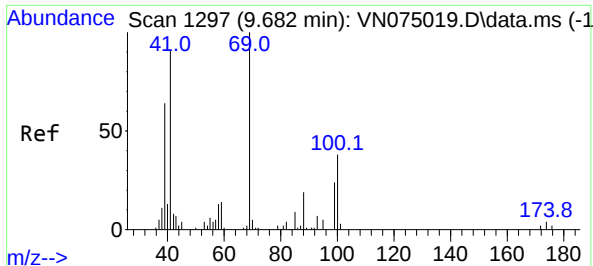
Tgt Ion: 43 Resp: 171897
Ion Ratio Lower Upper
43 100
61 9.9 22.4 33.6#
87 6.1 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.707 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 63 Resp: 868
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.477 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.011 min

Lab File: VN075161.D

Acq: 03 Nov 2022 22:01

Instrument :

MSVOA_N

ClientSampleId :

TP-O

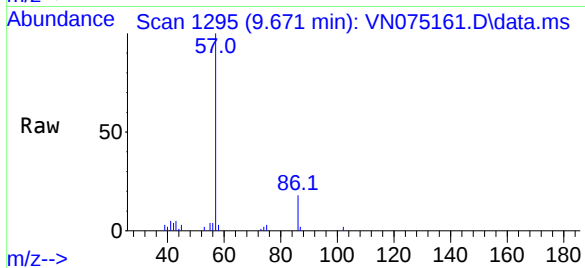
Tgt Ion: 41 Resp: 1941

Ion Ratio Lower Upper

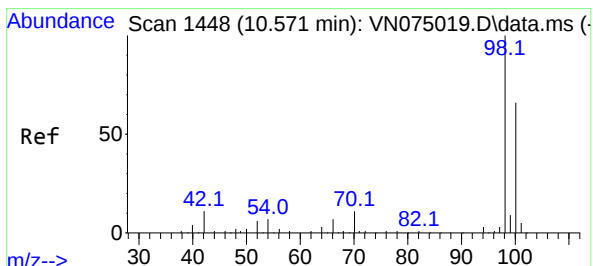
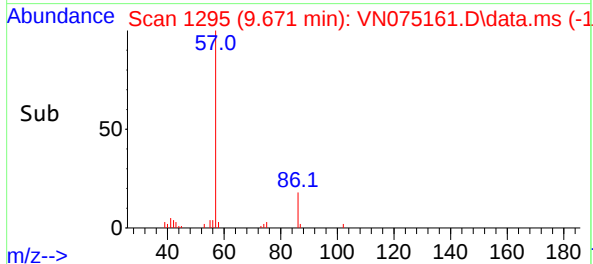
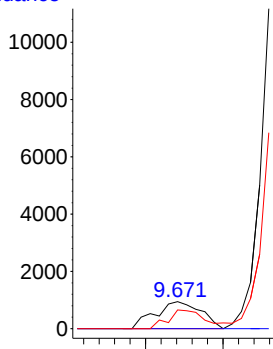
41 100

69 0.0 80.2 120.2#

39 51.7 56.2 84.2#



Abundance



#50

Toluene-d8

Concen: 54.115 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075161.D

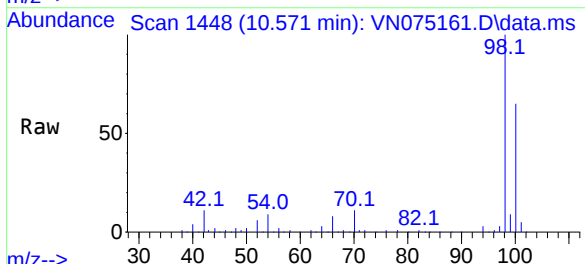
Acq: 03 Nov 2022 22:01

Tgt Ion: 98 Resp: 228358

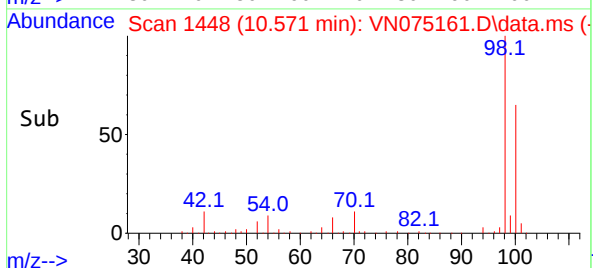
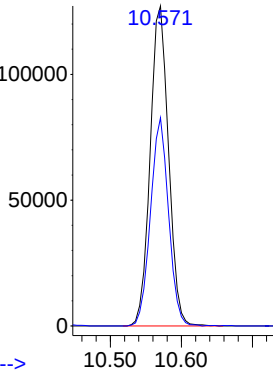
Ion Ratio Lower Upper

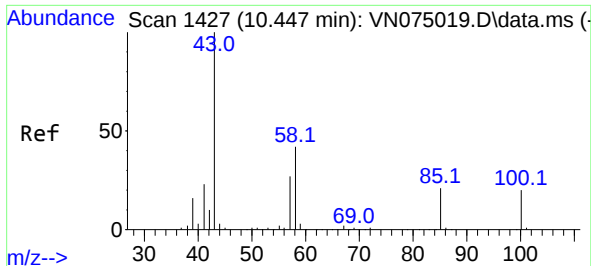
98 100

100 64.0 53.0 79.6



Abundance





#51

4-Methyl-2-Pentanone

Concen: 1.145 ug/l

RT: 10.447 min Scan# 1412

Delta R.T. 0.000 min

Lab File: VN075161.D

Acq: 03 Nov 2022 22:01

Instrument :

MSVOA_N

ClientSampleId :

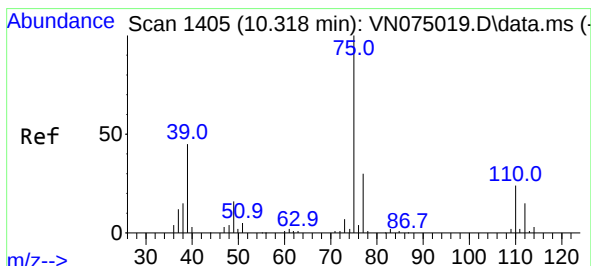
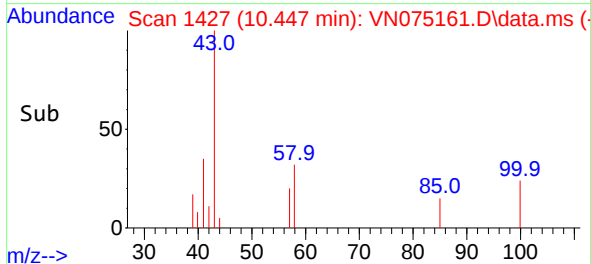
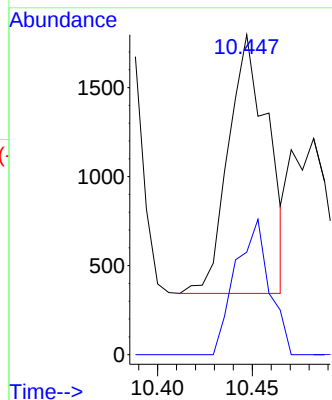
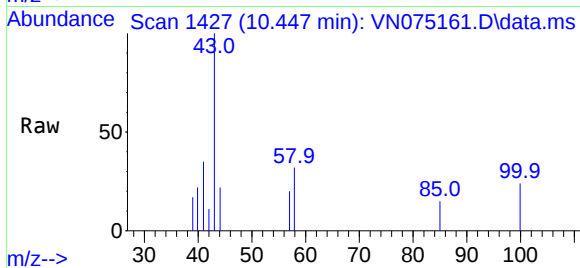
TP-O

Tgt Ion: 43 Resp: 2116

Ion Ratio Lower Upper

43 100

58 44.7 33.6 50.4



#54

cis-1,3-Dichloropropene

Concen: 12.387 ug/l

RT: 10.359 min Scan# 1412

Delta R.T. 0.041 min

Lab File: VN075161.D

Acq: 03 Nov 2022 22:01

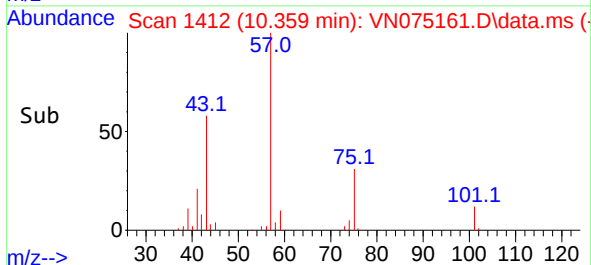
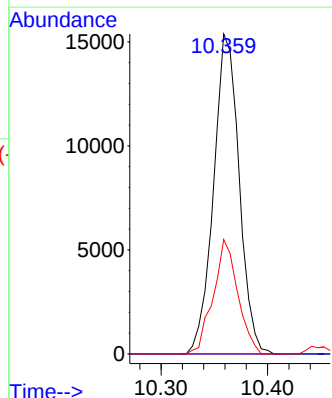
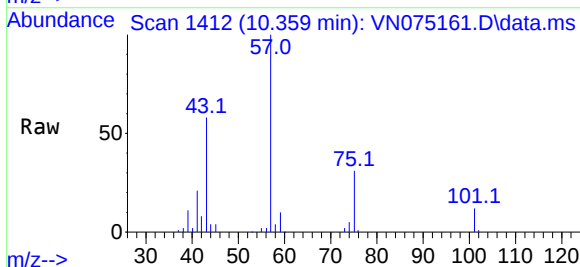
Tgt Ion: 75 Resp: 25672

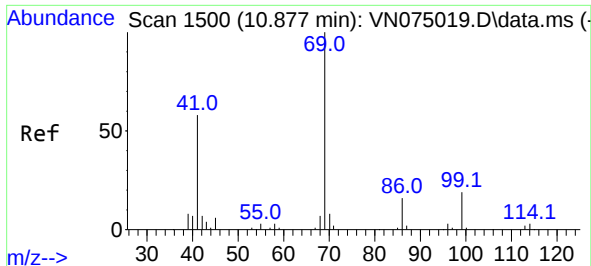
Ion Ratio Lower Upper

75 100

77 0.0 23.7 35.5#

39 35.8 35.8 53.6#

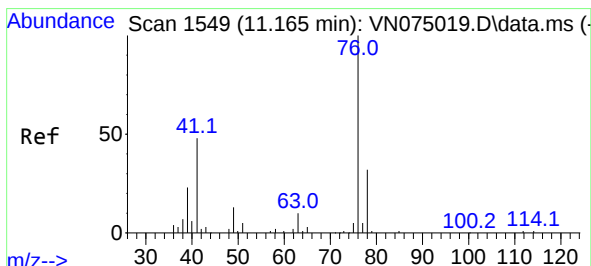
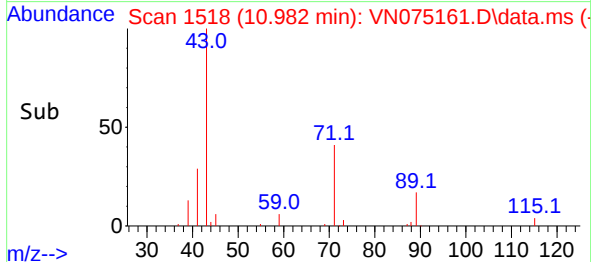
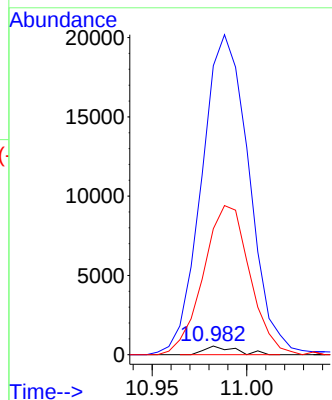
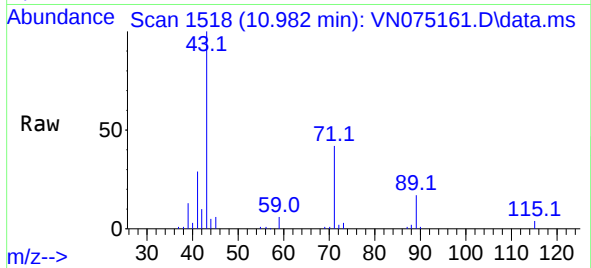




#56
Ethyl methacrylate
Concen: 0.296 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

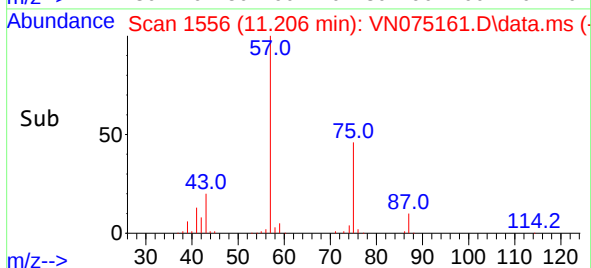
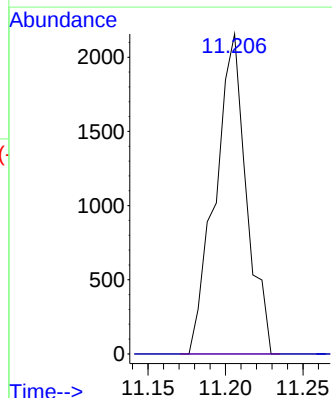
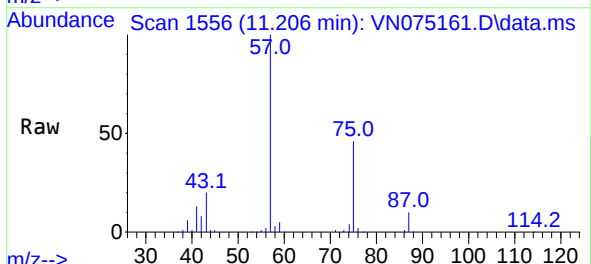
Instrument :
MSVOA_N
ClientSampleId :
TP-O

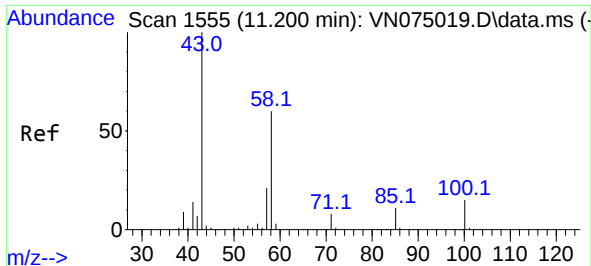
Tgt Ion: 69 Resp: 617
Ion Ratio Lower Upper
69 100
41 5732.3 45.6 68.4#
39 2612.3 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.325 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 76 Resp: 3015
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

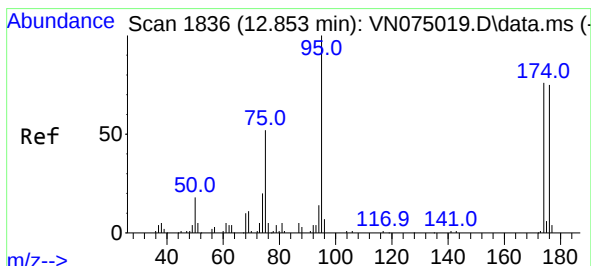
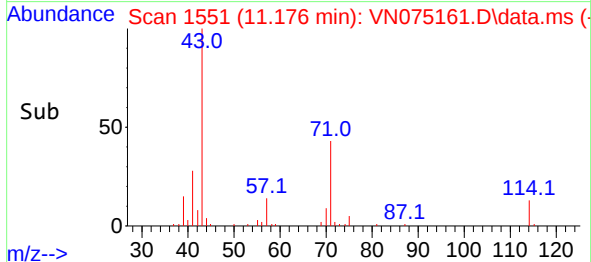
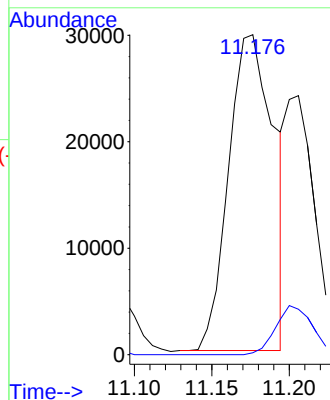
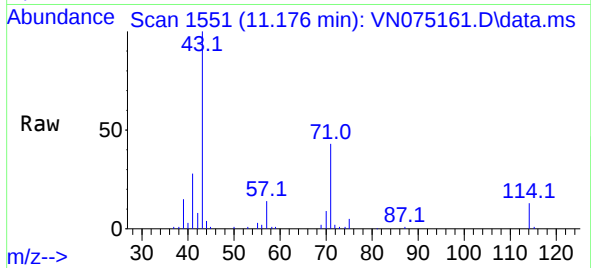




#59
2-Hexanone
Concen: 42.873 ug/l
RT: 11.176 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

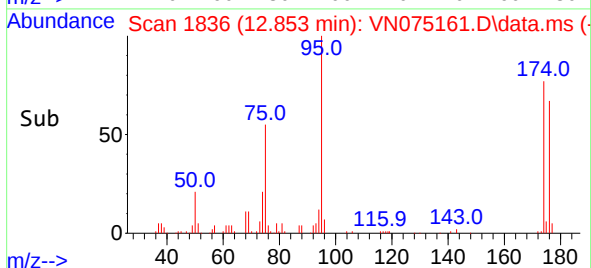
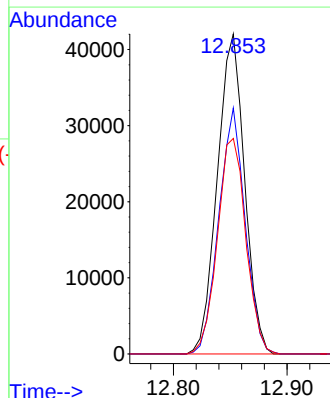
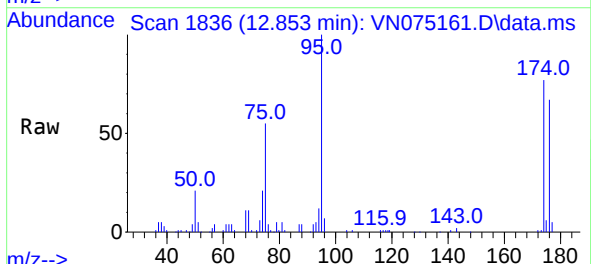
Instrument :
MSVOA_N
ClientSampleId :
TP-O

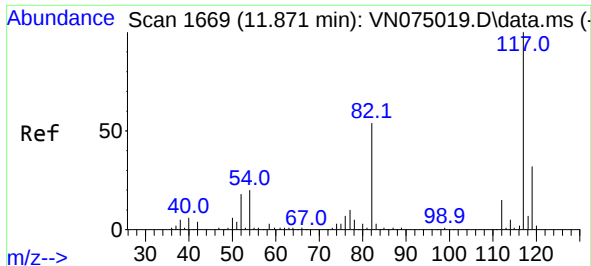
Tgt Ion: 43 Resp: 60147
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.320 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 95 Resp: 70146
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.4
176 70.2 0.0 142.2

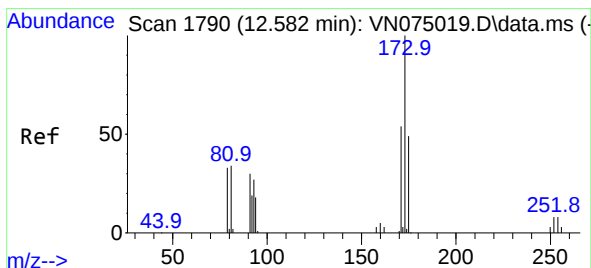
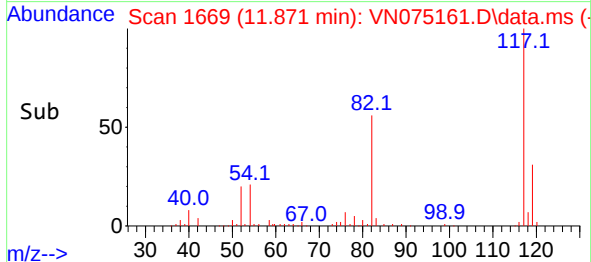
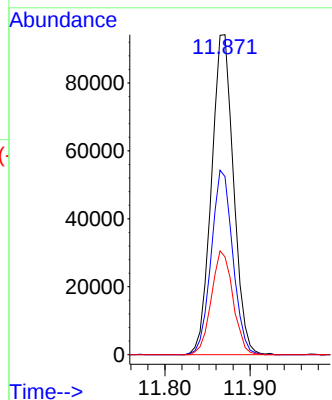
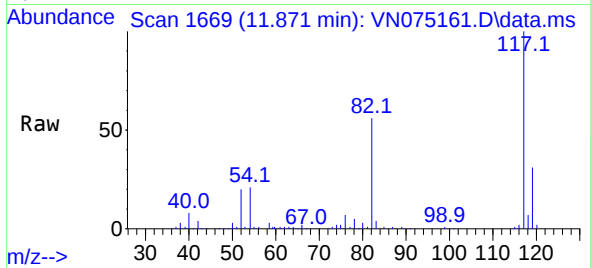




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

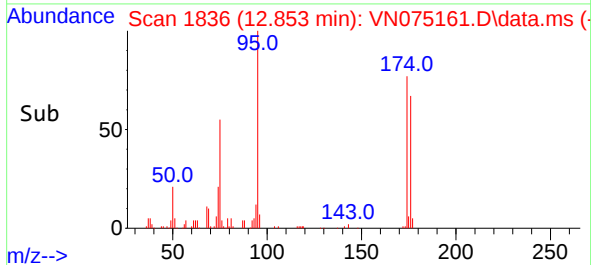
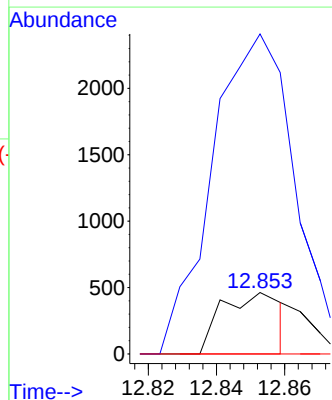
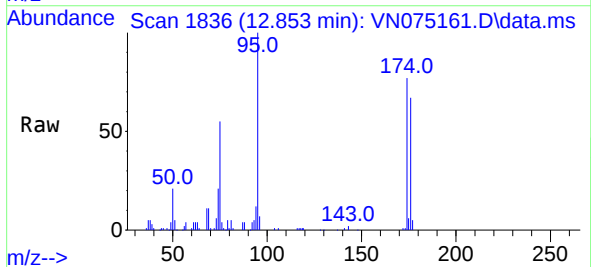
Instrument :
MSVOA_N
ClientSampleId :
TP-O

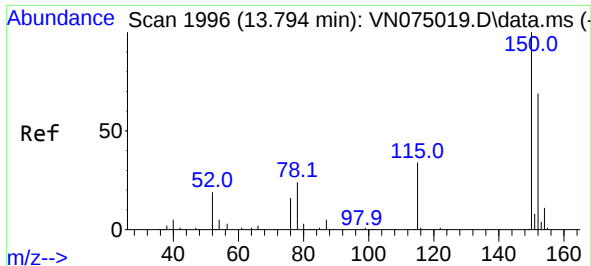
Tgt Ion:117 Resp: 169283
Ion Ratio Lower Upper
117 100
82 55.6 43.1 64.7
119 30.5 25.5 38.3



#71
Bromoform
Concen: 0.563 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion:173 Resp: 565
Ion Ratio Lower Upper
173 100
175 614.2 24.6 74.0#
254 0.0 0.0 0.0

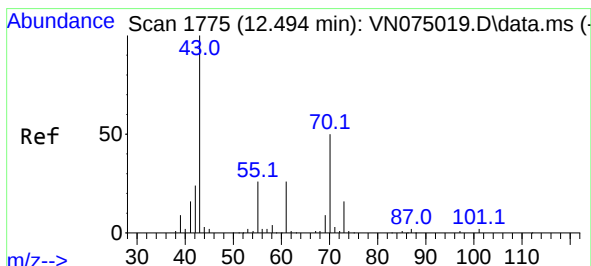
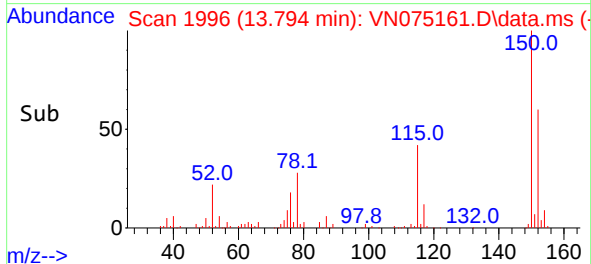
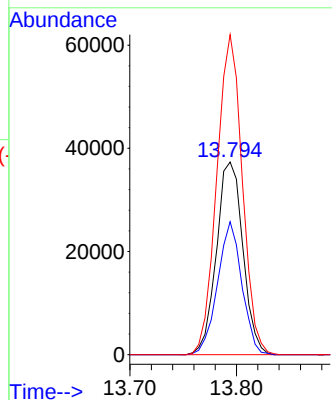
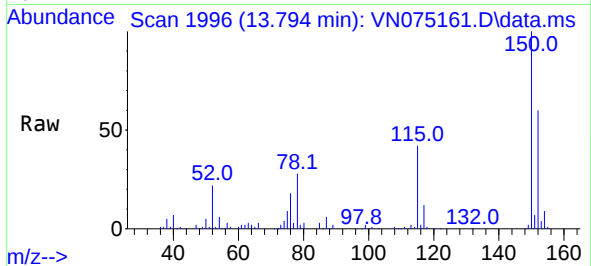




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

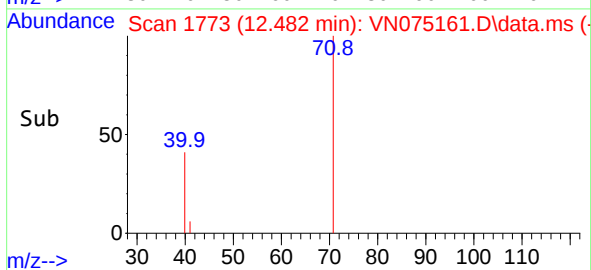
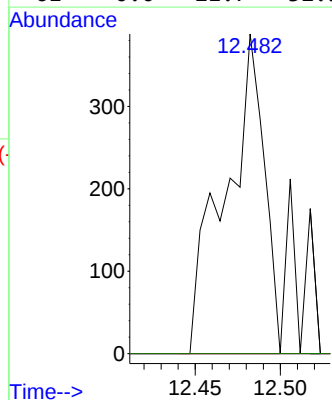
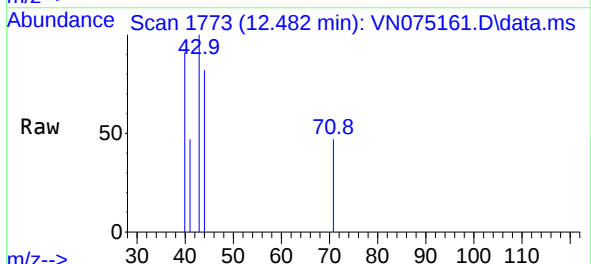
Instrument :
MSVOA_N
ClientSampleId :
TP-O

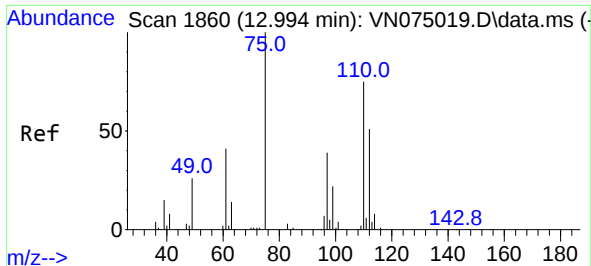
Tgt Ion:152 Resp: 64347
Ion Ratio Lower Upper
152 100
115 63.3 30.2 90.6
150 160.2 0.0 348.4



#74
N-ethyl acetate
Concen: 0.325 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 43 Resp: 620
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#

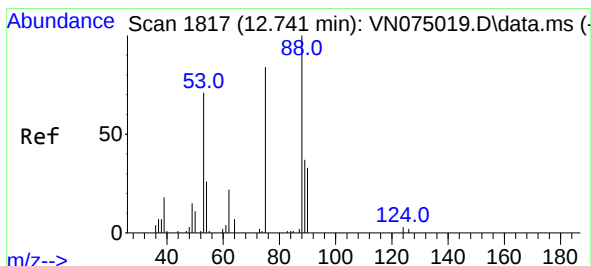
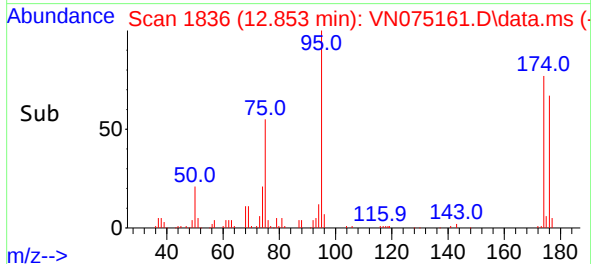
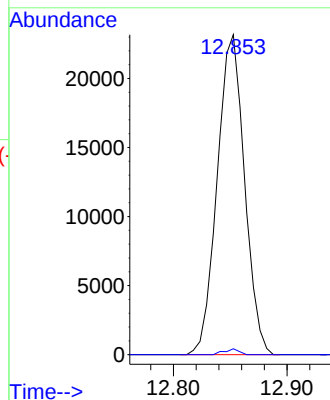
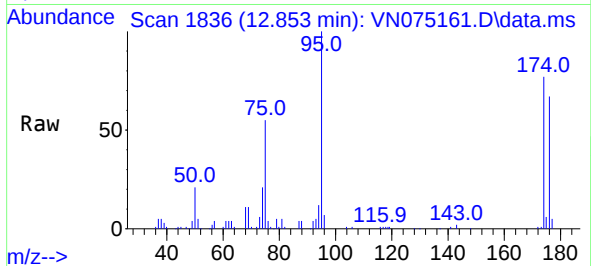




#76
1,2,3-Trichloropropane
Concen: 28.346 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Instrument :
MSVOA_N
ClientSampleId :
TP-O

Tgt Ion: 75 Resp: 38728
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.764 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075161.D
Acq: 03 Nov 2022 22:01

Tgt Ion: 75 Resp: 38728
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

