

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122022\
 Data File : VN075900.D
 Acq On : 20 Dec 2022 15:47
 Operator : JC\MD
 Sample : N6150-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-K

Quant Time: Dec 21 01:28:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

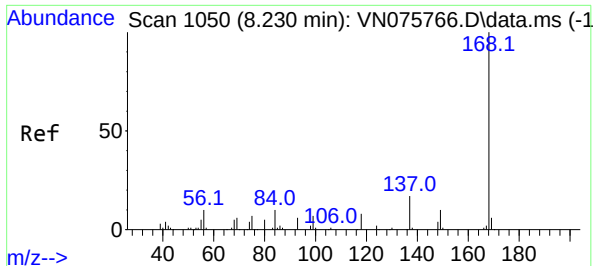
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	400045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	636845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	556323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	228331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	203561	46.773	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.540%		
35) Dibromofluoromethane	8.171	113	190134	48.210	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.420%		
50) Toluene-d8	10.571	98	738427	50.077	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.160%		
62) 4-Bromofluorobenzene	12.853	95	229800	47.052	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.100%		
Target Compounds					Qvalue	
16) Acetone	4.448	43	15079	10.051	ug/l	92
18) Methyl Acetate	5.048	43	2678	0.604	ug/l #	84
20) Methylene Chloride	5.289	84	11436	2.238	ug/l	94
25) 2-Butanone	7.500	43	1006	0.479	ug/l #	55
29) Tetrahydrofuran	7.859	42	384	0.292	ug/l #	25
31) Cyclohexane	8.230	56	7903	1.268	ug/l #	26
36) 1,1-Dichloropropene	8.236	75	28912	5.519	ug/l #	49
37) Ethyl Acetate	7.571	43	31938	7.589	ug/l	98
38) Carbon Tetrachloride	8.230	117	38888	6.632	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	1246	0.232	ug/l #	72
43) Isopropyl Acetate	8.694	43	265023	38.178	ug/l #	74
45) 1,2-Dichloropropane	9.735	63	2189	0.556	ug/l #	43
48) Methyl methacrylate	9.747	41	127405	40.749	ug/l #	33
49) 1,4-Dioxane	9.735	88	75	0.976	ug/l #	1
51) 4-Methyl-2-Pentanone	10.359	43	113525	27.042	ug/l #	42
53) t-1,3-Dichloropropene	10.724	75	1131	0.202	ug/l #	48
54) cis-1,3-Dichloropropene	10.359	75	64353	10.465	ug/l #	62
56) Ethyl methacrylate	10.988	69	1526	0.278	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8057	1.189	ug/l #	42
59) 2-Hexanone	11.177	43	117417	38.352	ug/l #	20
71) Bromoform	12.847	173	712	0.231	ug/l #	1
74) N-amyl acetate	12.488	43	1318	0.272	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	118188	25.679	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	118188	92.430	ug/l #	12
95) Naphthalene	15.641	128	793	2.239	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

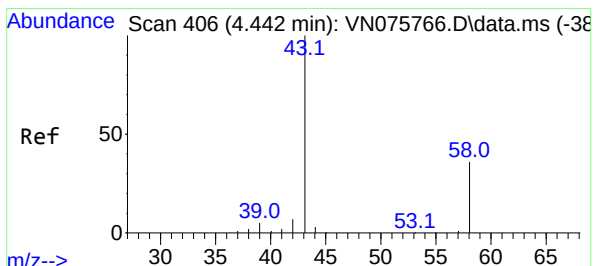
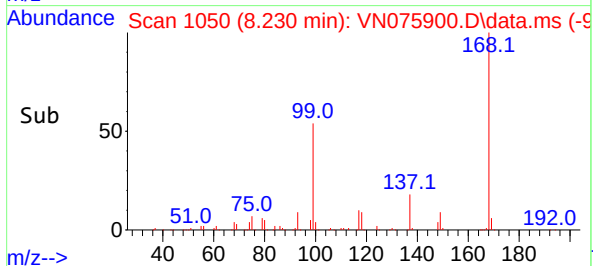
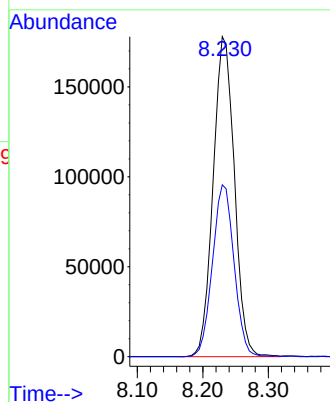
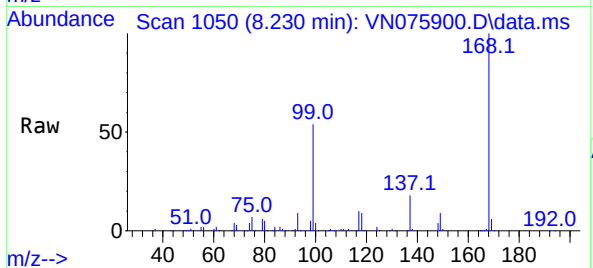




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

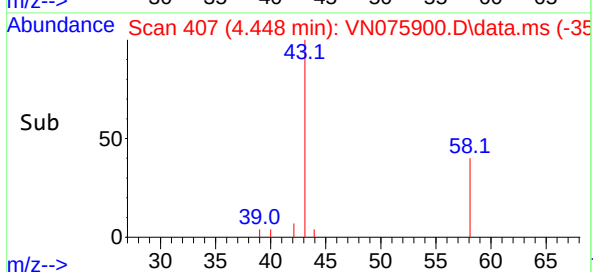
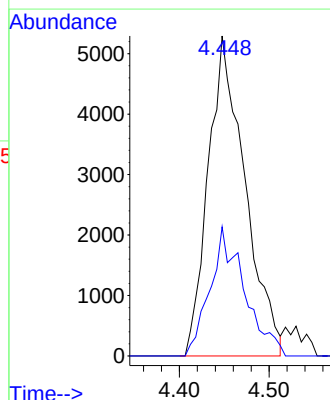
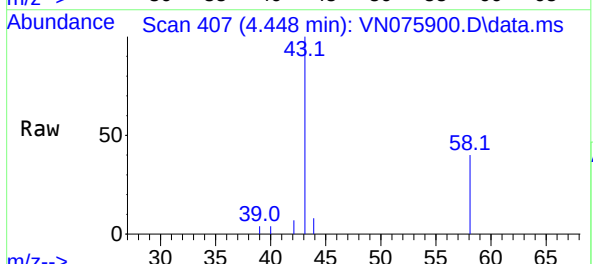
Instrument :
MSVOA_N
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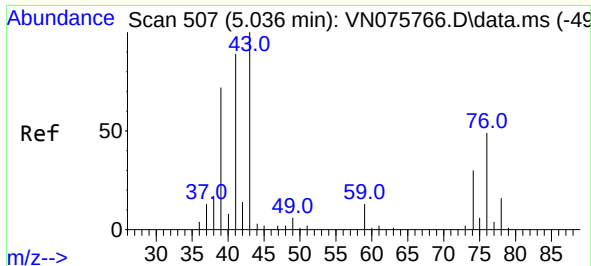
Tgt Ion:168 Resp: 400045
Ion Ratio Lower Upper
168 100
99 53.7 44.2 66.4



#16
Acetone
Concen: 10.051 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 43 Resp: 15079
Ion Ratio Lower Upper
43 100
58 40.4 28.6 43.0

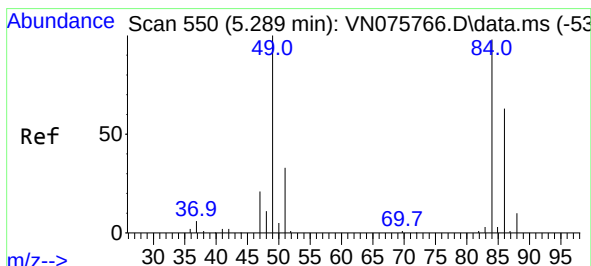
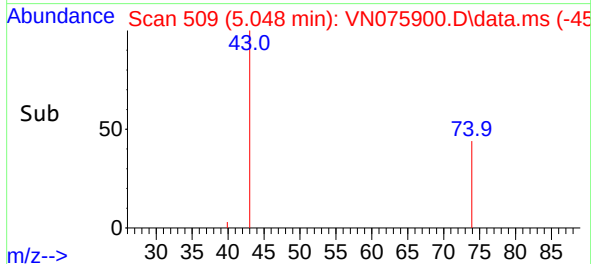
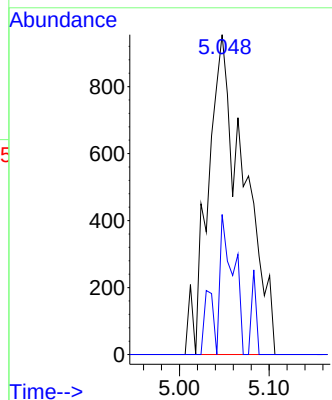
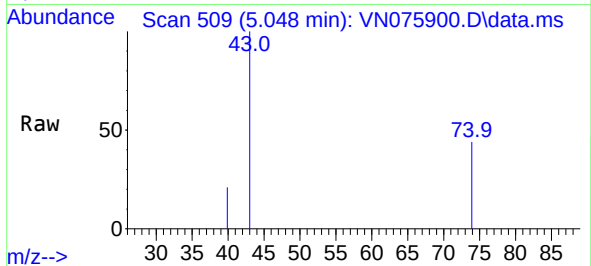




#18
Methyl Acetate
Concen: 0.604 ug/l
RT: 5.048 min Scan# 507
Delta R.T. 0.012 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

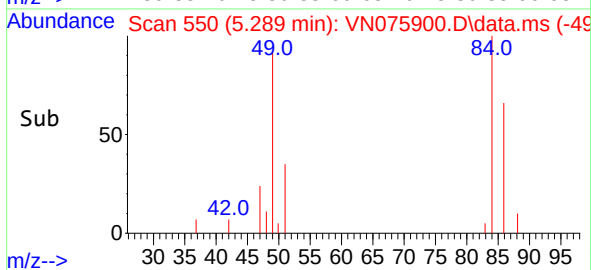
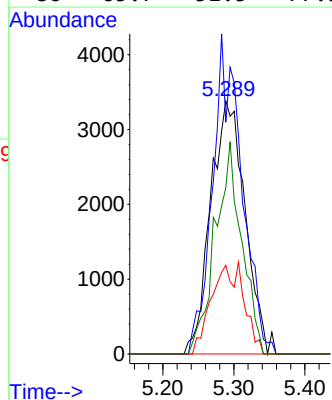
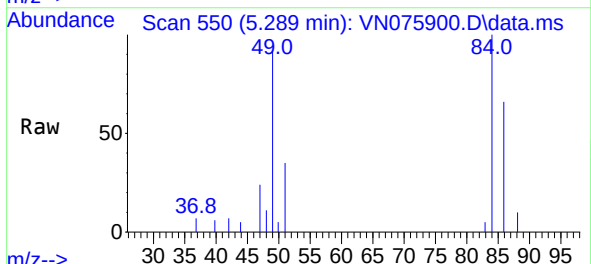
Instrument :
MSVOA_N
ClientSampleId :
TP-K

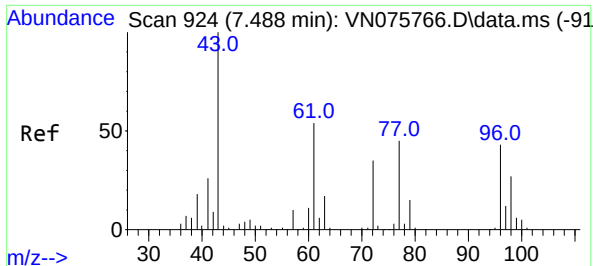
Tgt Ion: 43 Resp: 2678
Ion Ratio Lower Upper
43 100
74 21.1 23.6 35.4#



#20
Methylene Chloride
Concen: 2.238 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 84 Resp: 11436
Ion Ratio Lower Upper
84 100
49 91.6 81.8 122.6
51 35.1 26.7 40.1
86 65.7 51.5 77.3

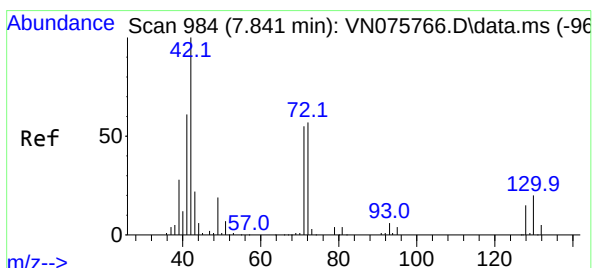
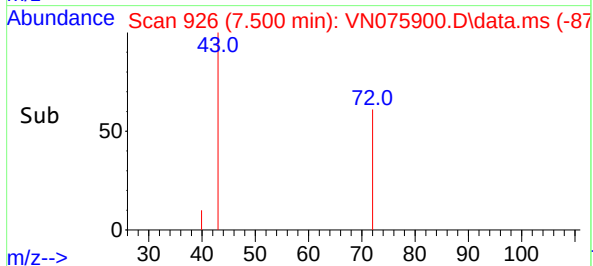
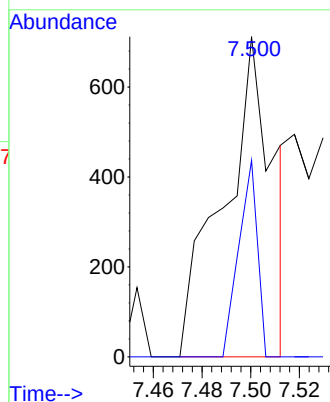
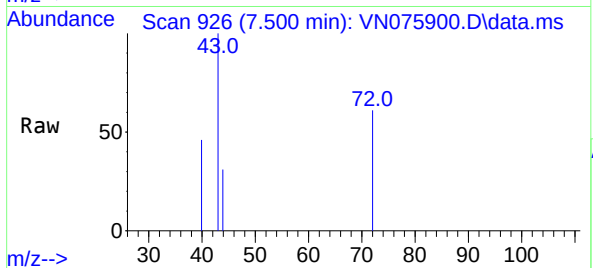




#25
2-Butanone
Concen: 0.479 ug/l
RT: 7.500 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

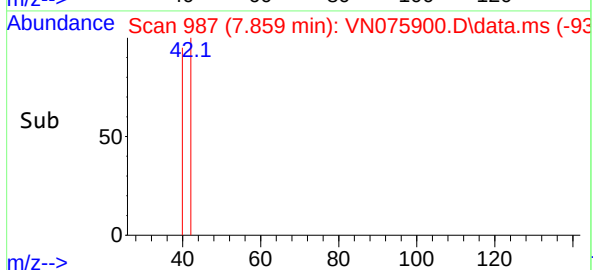
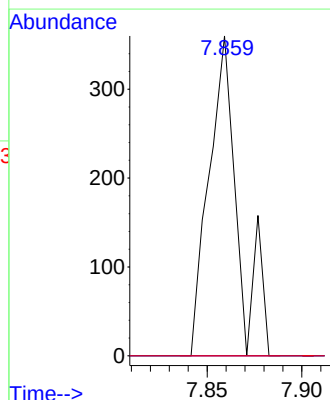
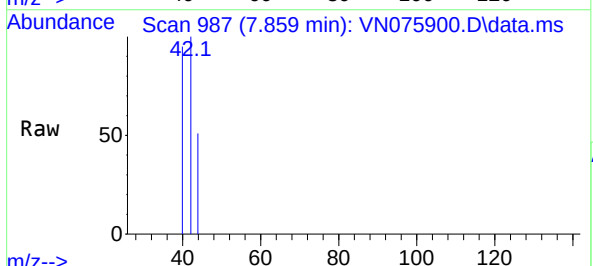
Instrument :
MSVOA_N
ClientSampleId :
TP-K

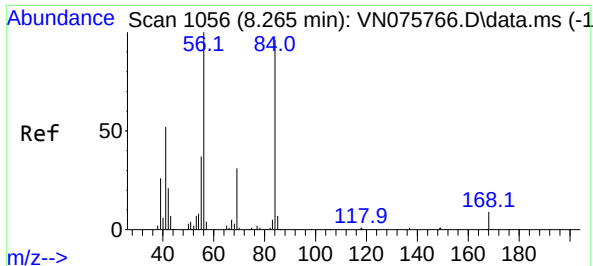
Tgt Ion: 43 Resp: 1006
Ion Ratio Lower Upper
43 100
72 61.4 28.0 42.0#



#29
Tetrahydrofuran
Concen: 0.292 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.018 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 0.0 44.5 66.7#
71 0.0 41.0 61.6#





#31

Cyclohexane

Concen: 1.268 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075900.D

Acq: 20 Dec 2022 15:47

Instrument :

MSVOA_N

ClientSampleId :

TP-K

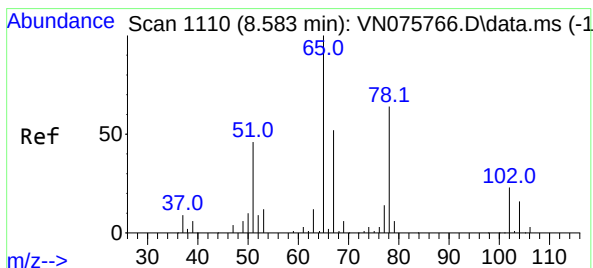
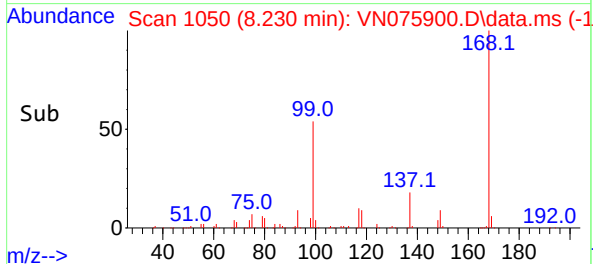
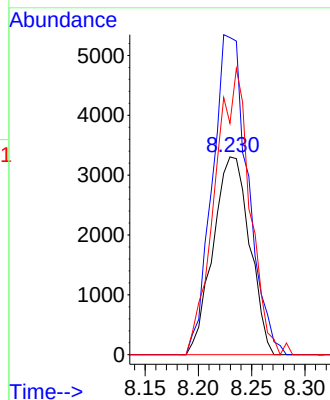
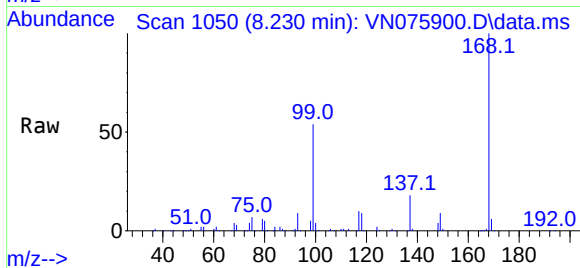
Tgt Ion: 56 Resp: 7903

Ion Ratio Lower Upper

56 100

69 160.4 24.7 37.1#

84 117.0 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 46.773 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075900.D

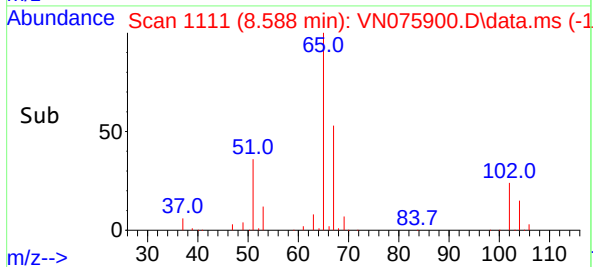
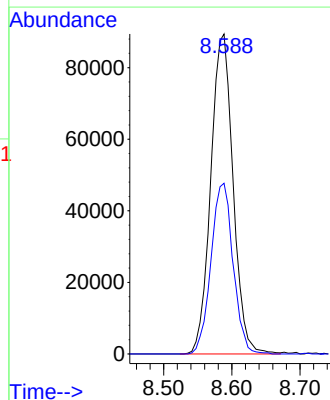
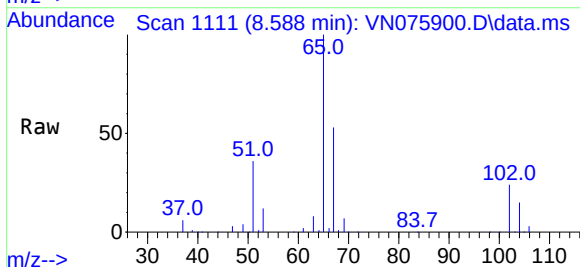
Acq: 20 Dec 2022 15:47

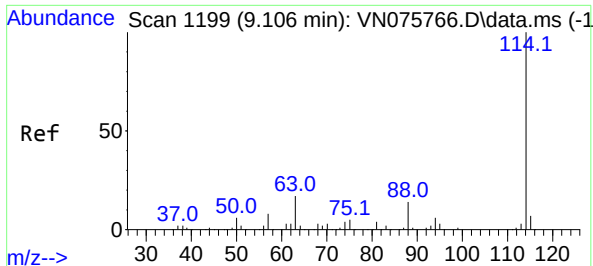
Tgt Ion: 65 Resp: 203561

Ion Ratio Lower Upper

65 100

67 52.9 0.0 103.4

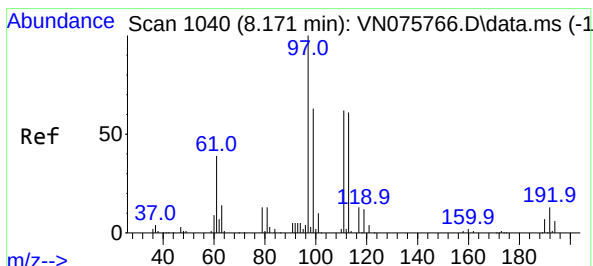
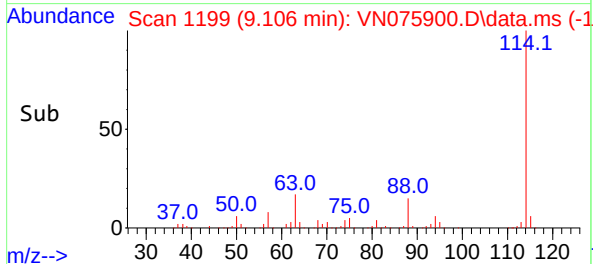
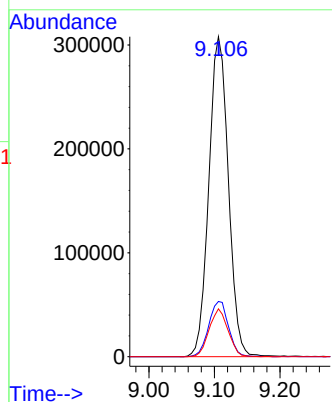
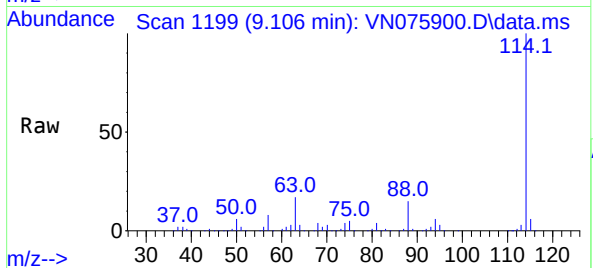




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

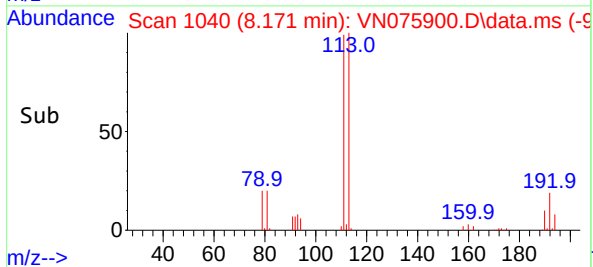
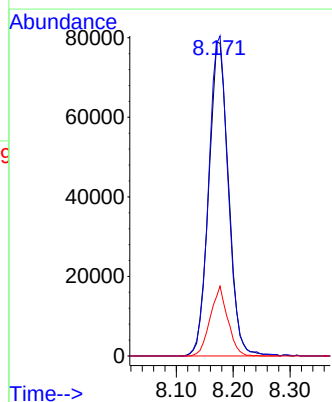
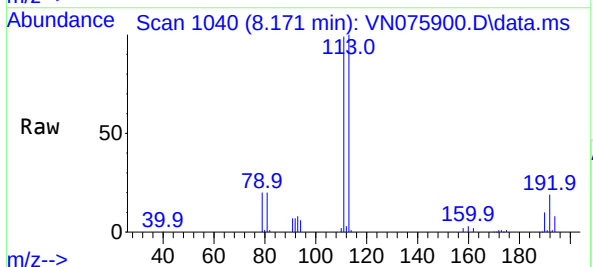
Instrument :
MSVOA_N
ClientSampleId :
TP-K

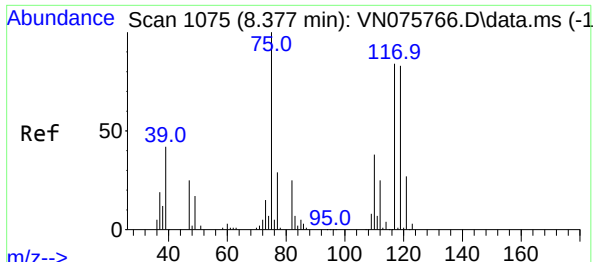
Tgt Ion:114 Resp: 636845
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.4
88 14.9 0.0 28.8



#35
Dibromofluoromethane
Concen: 48.210 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion:113 Resp: 190134
Ion Ratio Lower Upper
113 100
111 100.8 83.4 125.2
192 19.6 16.1 24.1

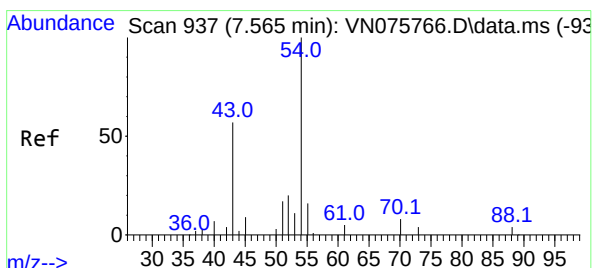
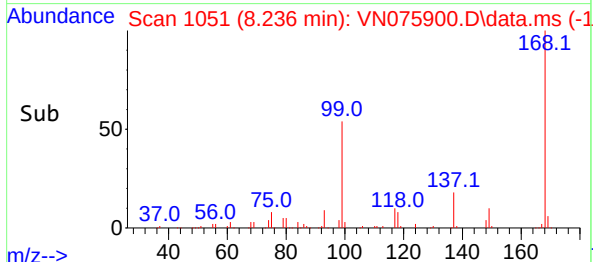
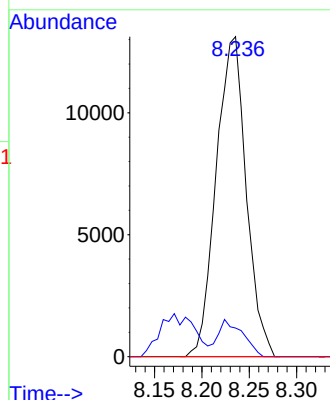
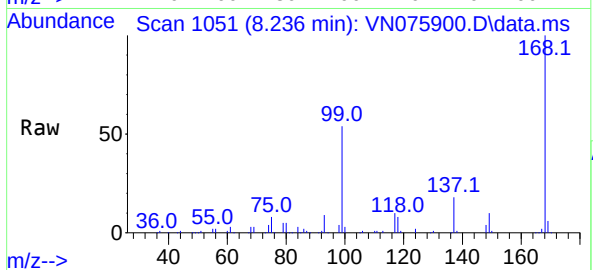




#36
1,1-Dichloropropene
Concen: 5.519 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.141 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

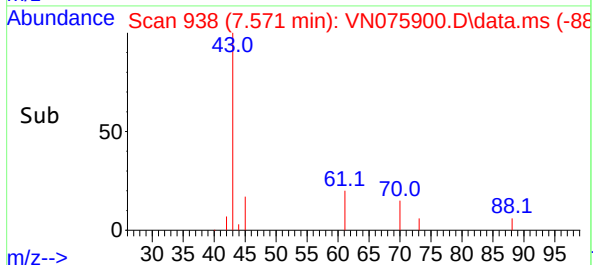
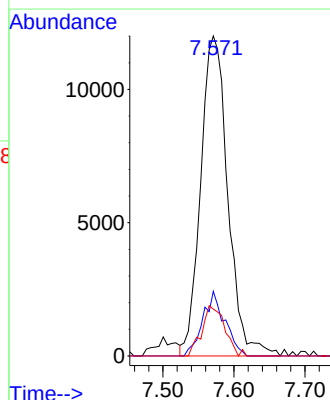
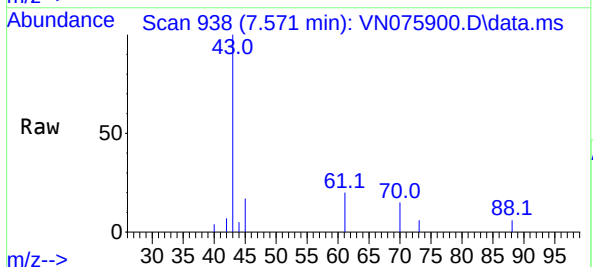
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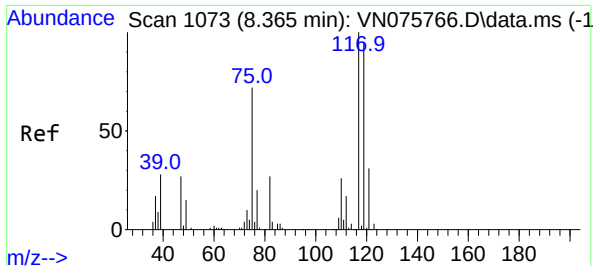
Tgt Ion: 75 Resp: 28912
Ion Ratio Lower Upper
75 100
110 9.6 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 7.589 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 43 Resp: 31938
Ion Ratio Lower Upper
43 100
61 16.4 13.0 19.4
70 13.3 9.4 14.0

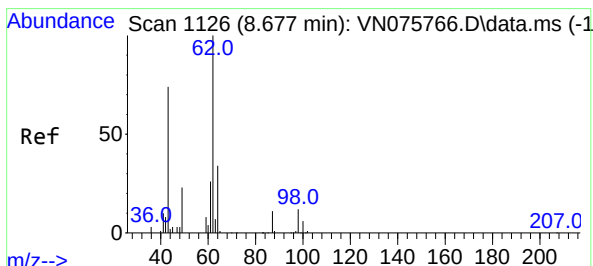
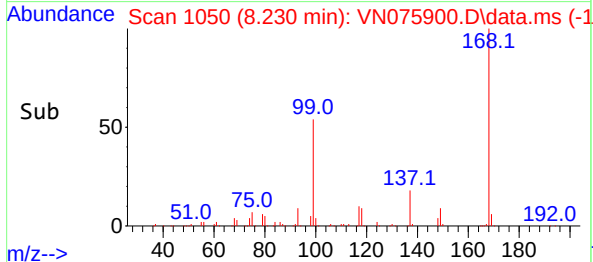
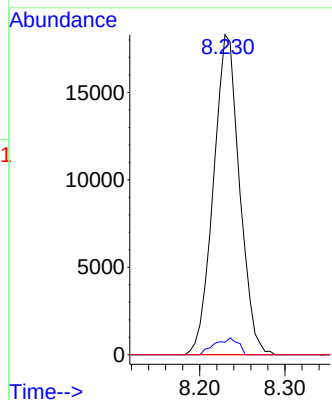
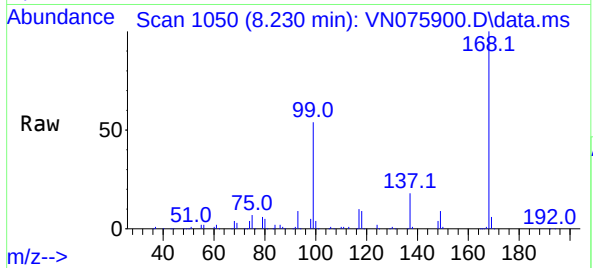




#38
Carbon Tetrachloride
Concen: 6.632 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

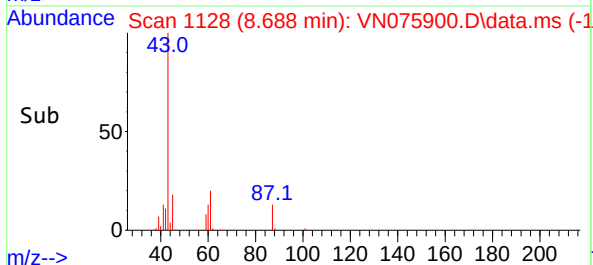
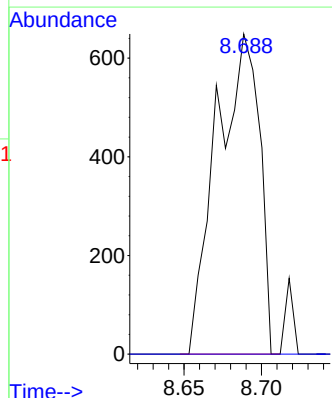
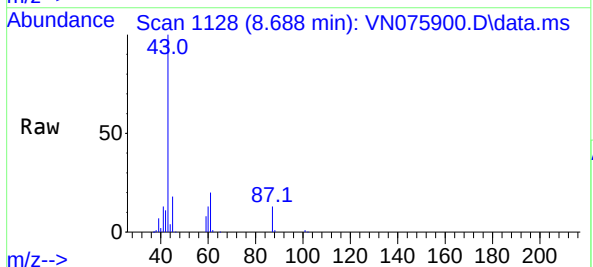
Instrument :
MSVOA_N
ClientSampleId :
TP-K

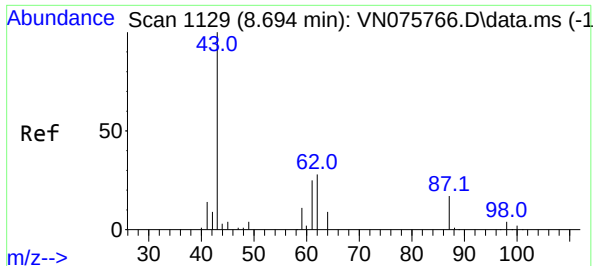
Tgt Ion:117 Resp: 38888
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.5 36.7#



#42
1,2-Dichloroethane
Concen: 0.232 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 62 Resp: 1246
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

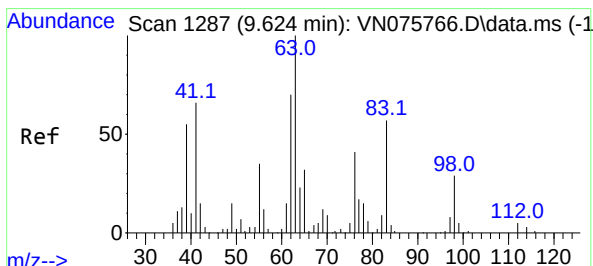
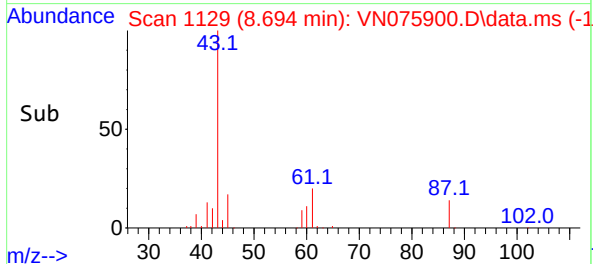
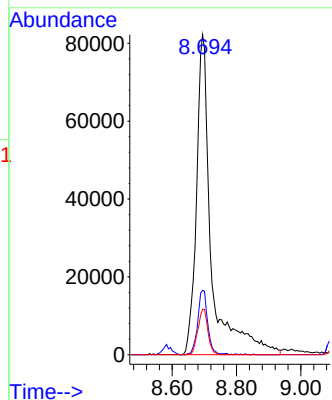
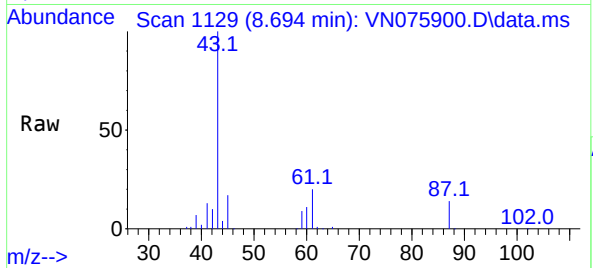




#43
Isopropyl Acetate
Concen: 38.178 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

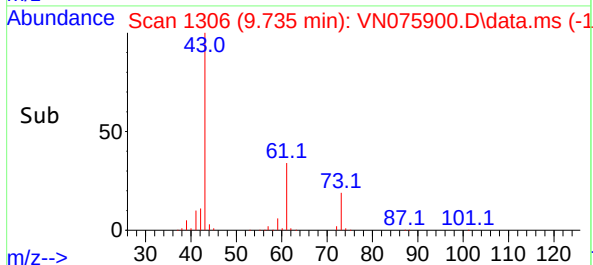
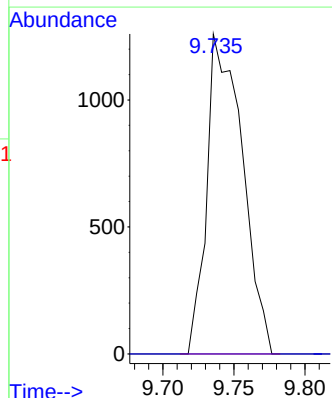
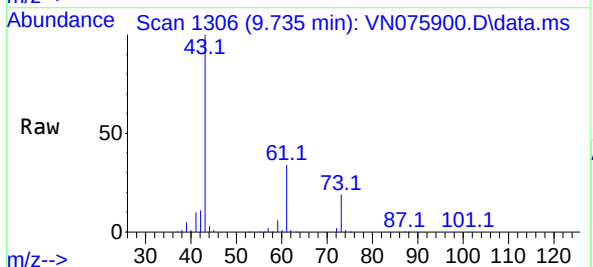
Instrument :
MSVOA_N
ClientSampleId :
TP-K

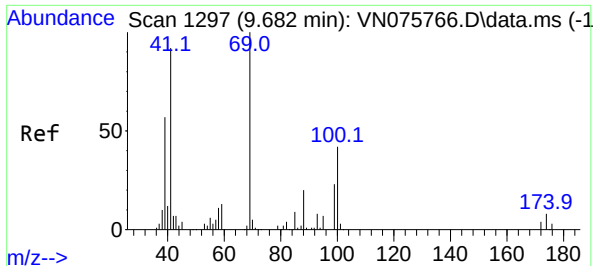
Tgt Ion: 43 Resp: 265023
Ion Ratio Lower Upper
43 100
61 13.3 24.2 36.4#
87 9.4 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.556 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.112 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 63 Resp: 2189
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

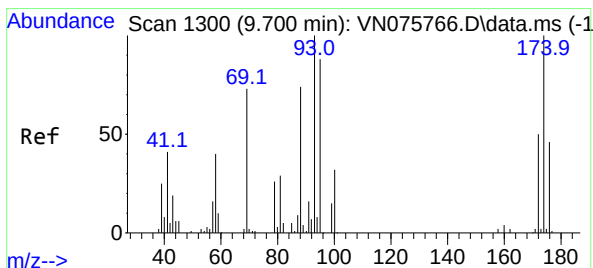
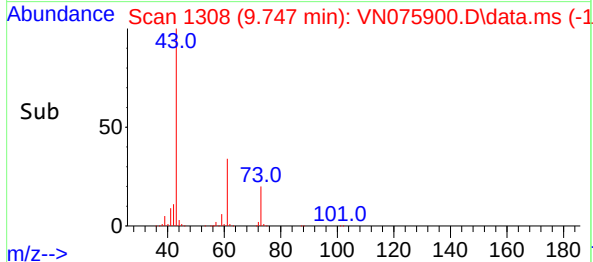
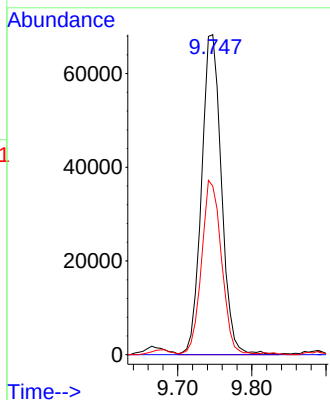
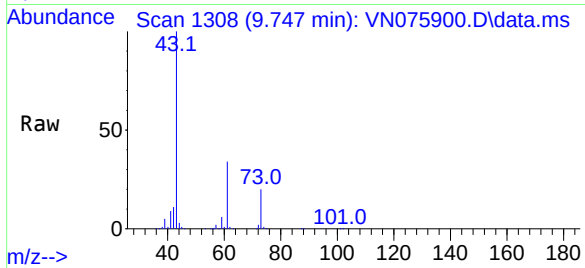




#48
Methyl methacrylate
Concen: 40.749 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

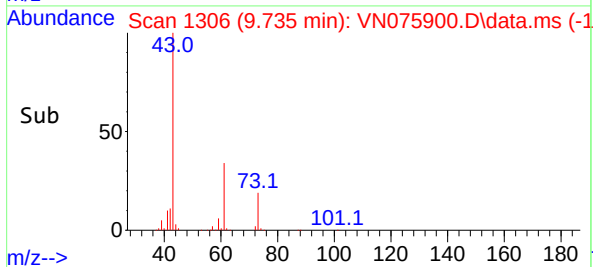
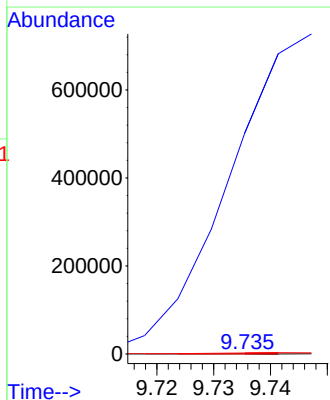
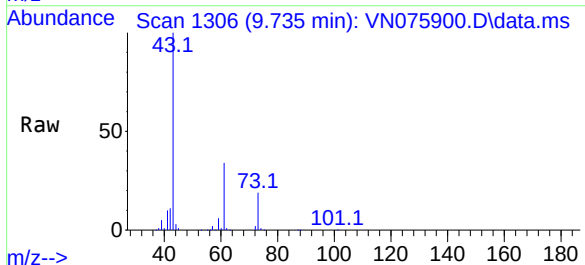
Instrument :
MSVOA_N
ClientSampleId :
TP-K

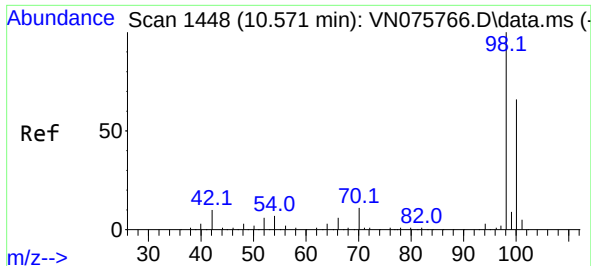
Tgt Ion: 41 Resp: 127405
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 54.2 51.6 77.4



#49
1,4-Dioxane
Concen: 0.976 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.035 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 1767761.3 17.1 25.7#
58 7390.7 47.8 71.8#

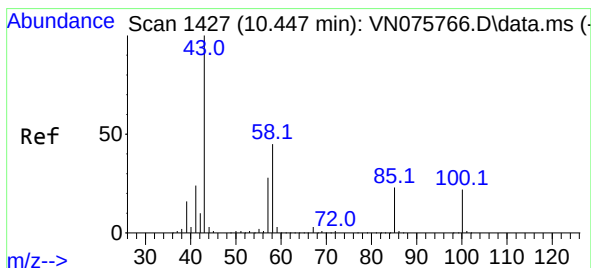
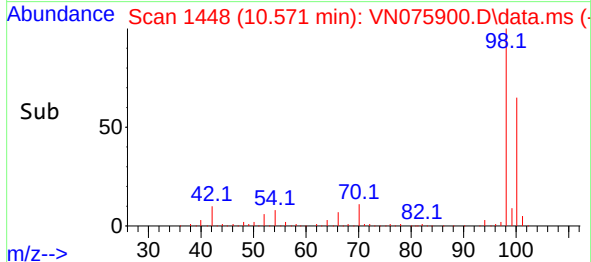
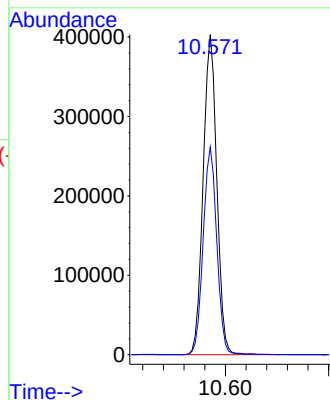
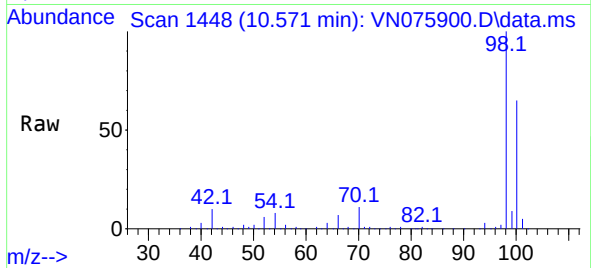




#50
Toluene-d8
Concen: 50.077 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

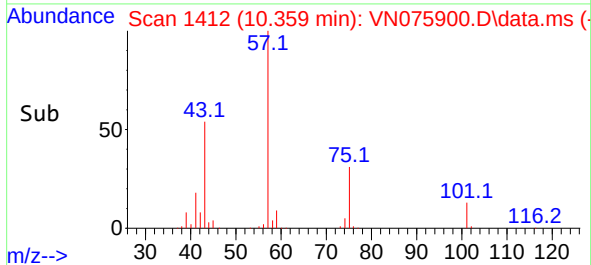
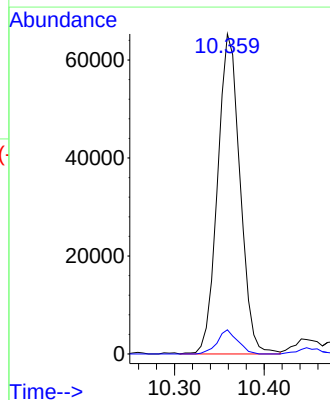
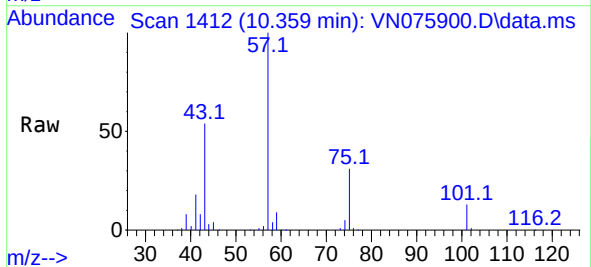
Instrument :
MSVOA_N
ClientSampleId :
TP-K

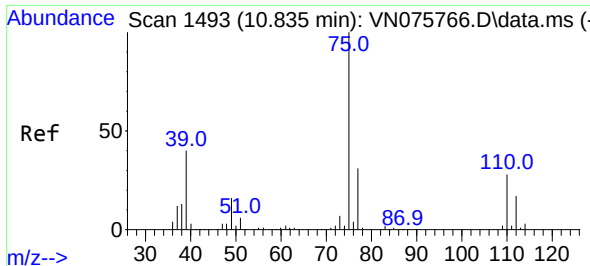
Tgt Ion: 98 Resp: 738427
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 27.042 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. -0.088 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 43 Resp: 113525
Ion Ratio Lower Upper
43 100
58 6.8 35.5 53.3#

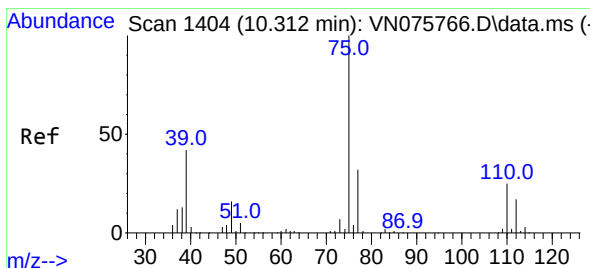
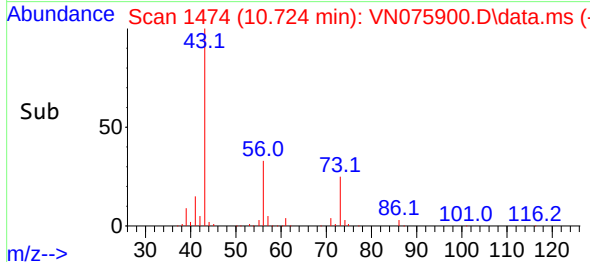
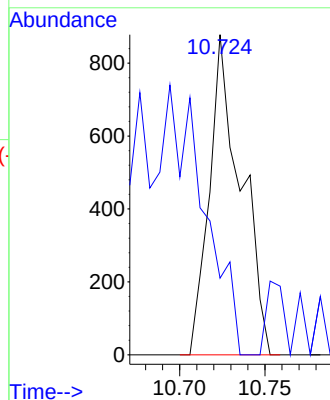
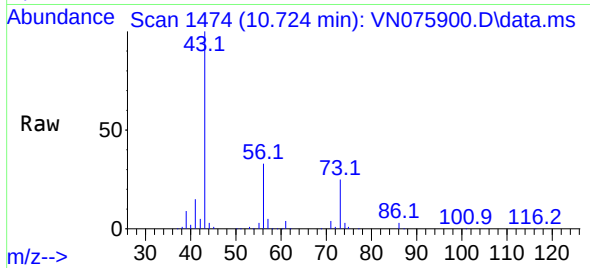




#53
 t-1,3-Dichloropropene
 Concen: 0.202 ug/l
 RT: 10.724 min Scan# 1411
 Delta R.T. -0.112 min
 Lab File: VN075900.D
 Acq: 20 Dec 2022 15:47

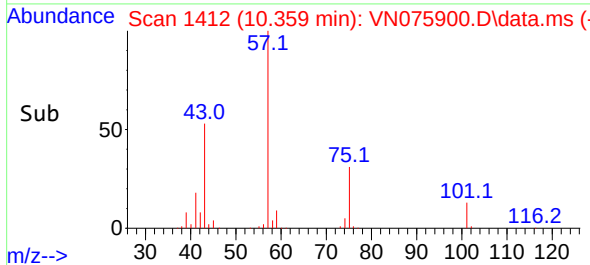
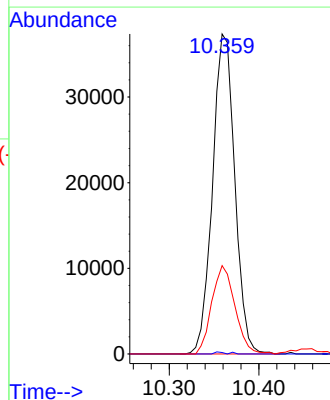
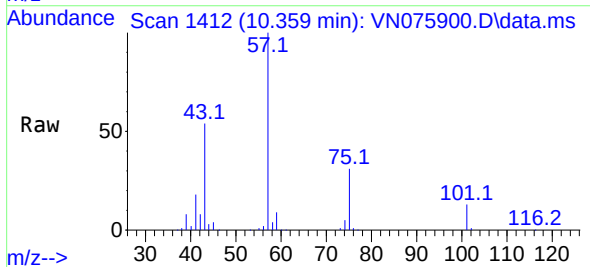
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-K

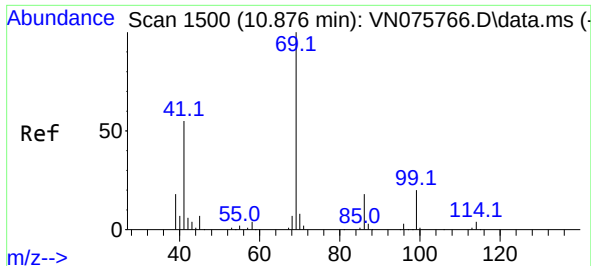
Tgt Ion: 75 Resp: 1131
 Ion Ratio Lower Upper
 75 100
 77 2.5 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 10.465 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075900.D
 Acq: 20 Dec 2022 15:47

Tgt Ion: 75 Resp: 64353
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.8#
 39 27.2 33.4 50.2#

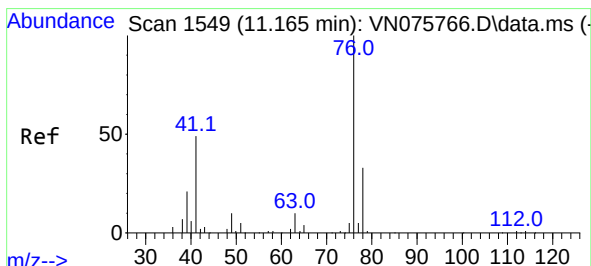
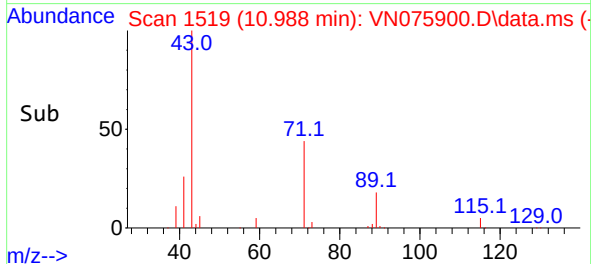
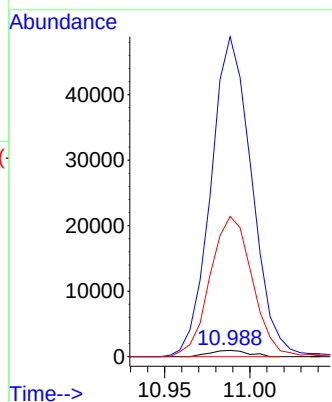
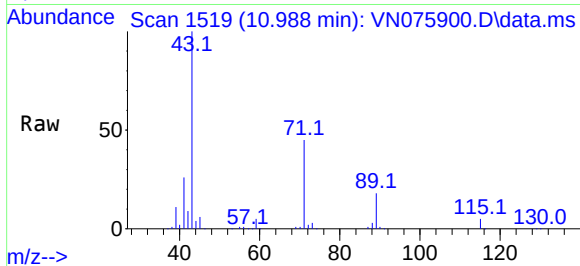




#56
Ethyl methacrylate
Concen: 0.278 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

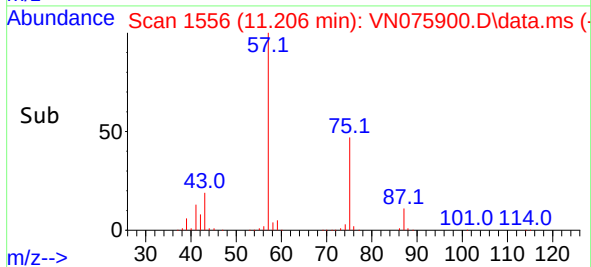
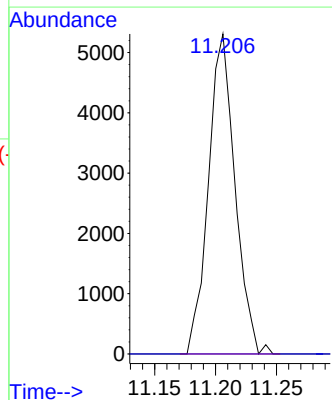
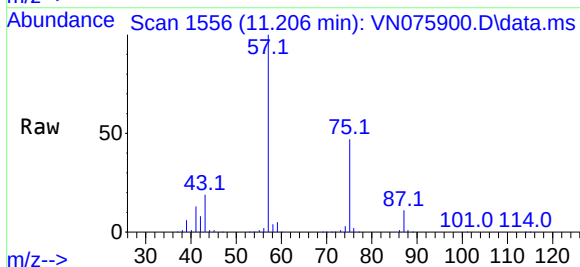
Instrument :
MSVOA_N
ClientSampleId :
TP-K

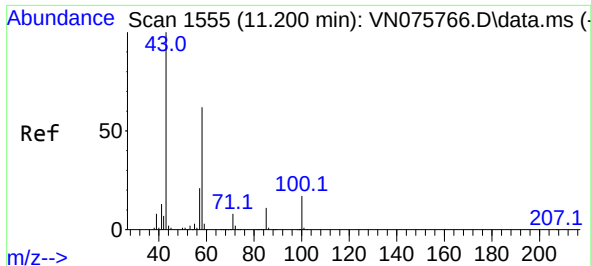
Tgt Ion: 69 Resp: 1526
Ion Ratio Lower Upper
69 100
41 5377.1 44.2 66.4#
39 2428.1 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.189 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 76 Resp: 8057
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

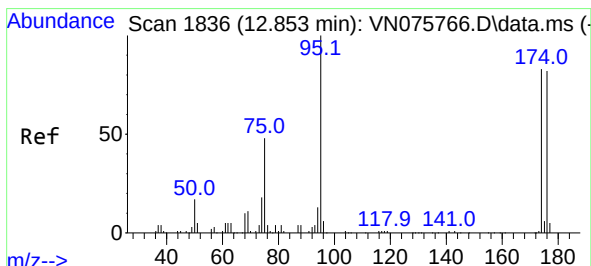
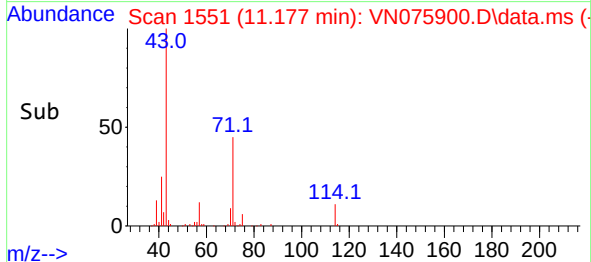
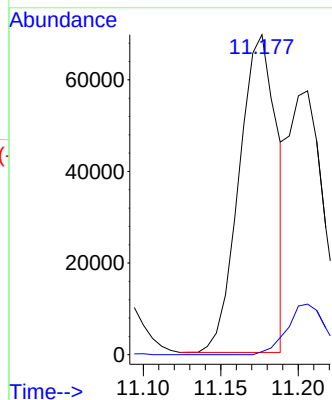
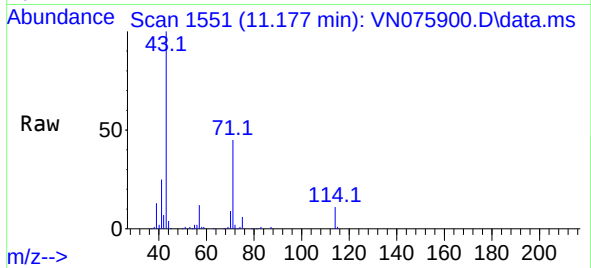




#59
2-Hexanone
Concen: 38.352 ug/l
RT: 11.177 min Scan# 1151
Delta R.T. -0.023 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

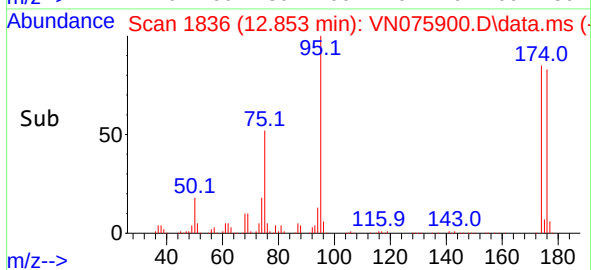
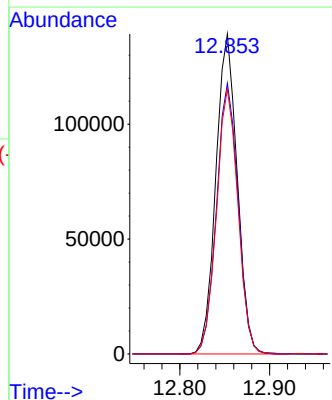
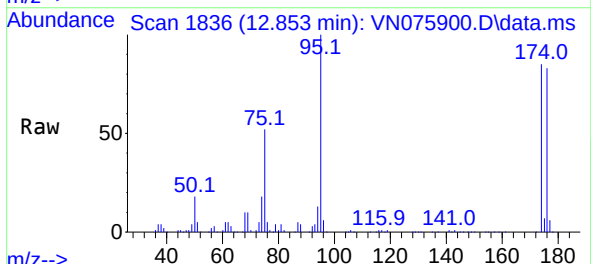
Instrument :
MSVOA_N
ClientSampleId :
TP-K

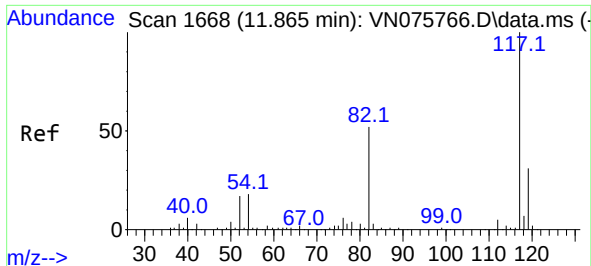
Tgt Ion: 43 Resp: 117417
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 47.052 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 95 Resp: 229800
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 83.1 0.0 169.2

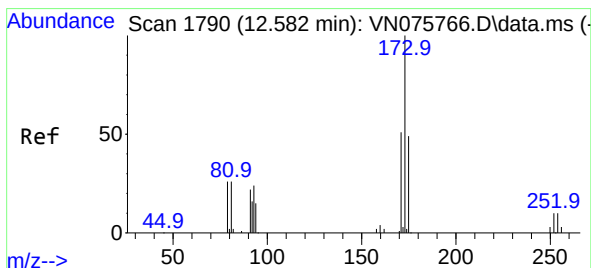
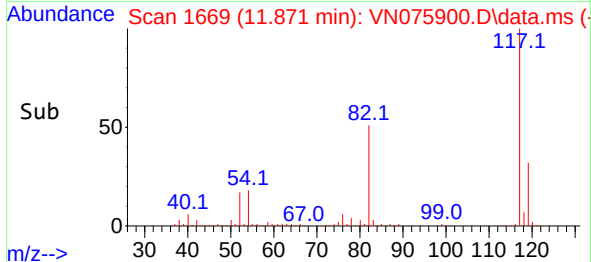
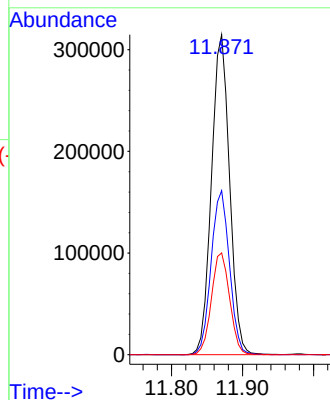
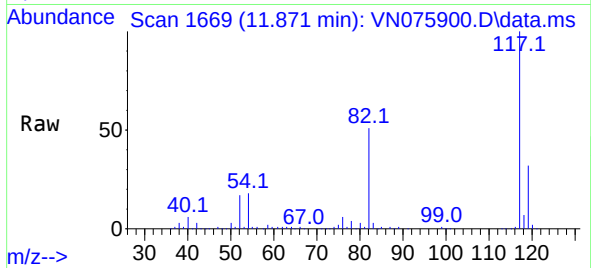




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

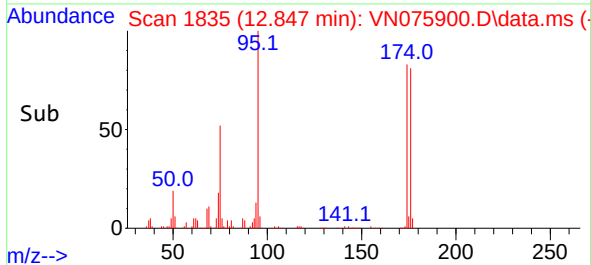
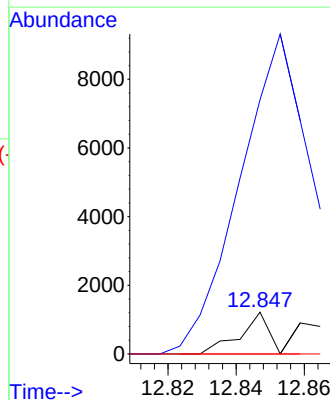
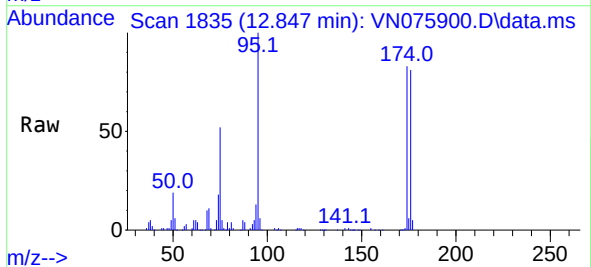
Instrument :
MSVOA_N
ClientSampleId :
TP-K

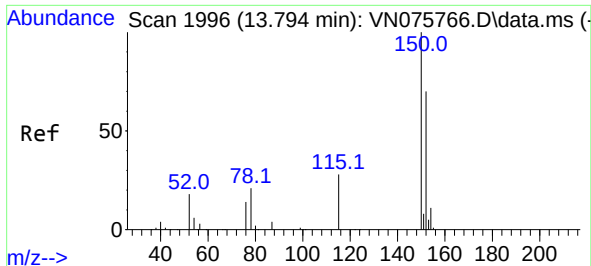
Tgt Ion:117 Resp: 556323
Ion Ratio Lower Upper
117 100
82 51.2 41.3 61.9
119 31.8 24.6 37.0



#71
Bromoform
Concen: 0.231 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion:173 Resp: 712
Ion Ratio Lower Upper
173 100
175 1622.1 24.3 72.8#
254 0.0 0.0 0.0

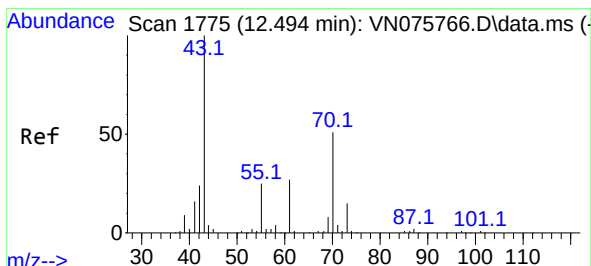
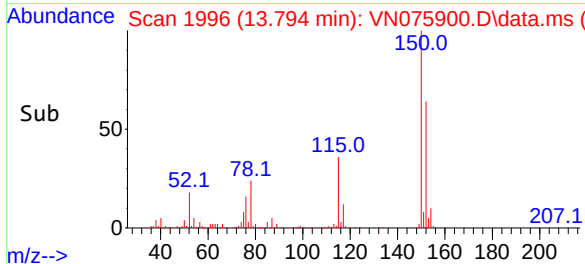
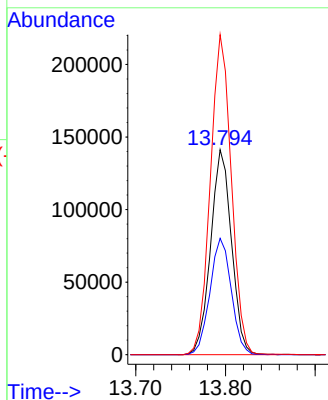
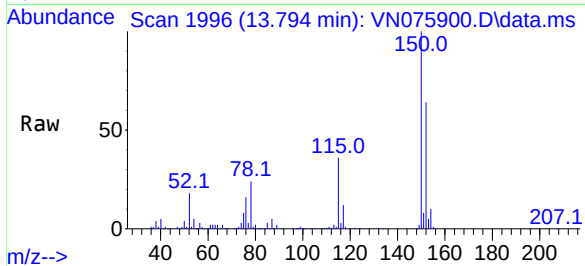




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

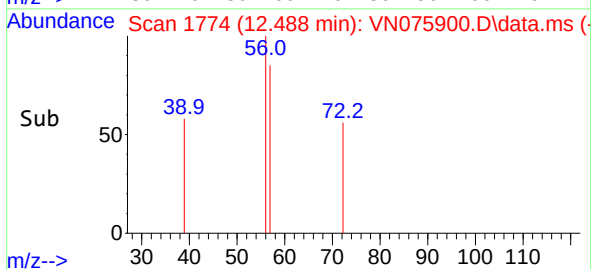
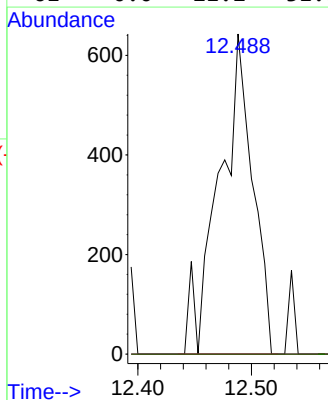
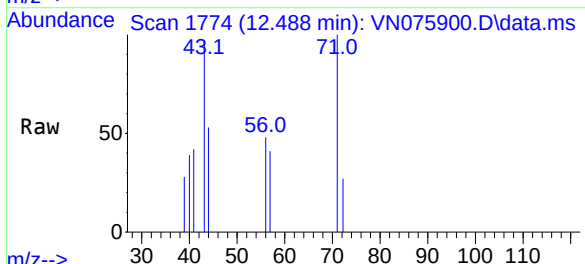
Instrument :
MSVOA_N
ClientSampleId :
TP-K

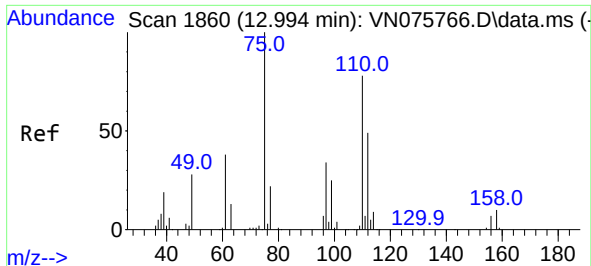
Tgt Ion:152 Resp: 228331
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.4
150 156.8 0.0 347.0



#74
N-ethyl acetate
Concen: 0.272 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Tgt Ion: 43 Resp: 1318
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.0#
55 0.0 21.3 31.9#
61 0.0 21.2 31.8#

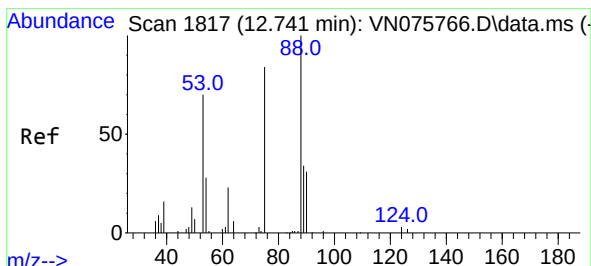
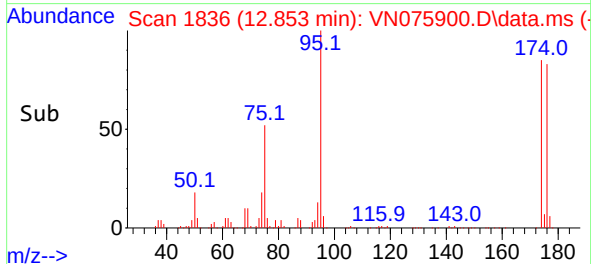
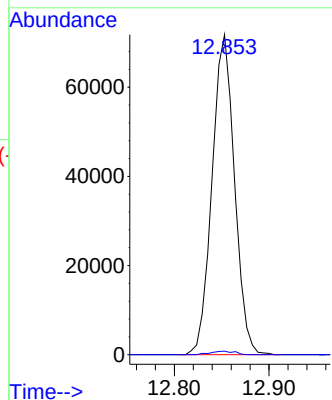
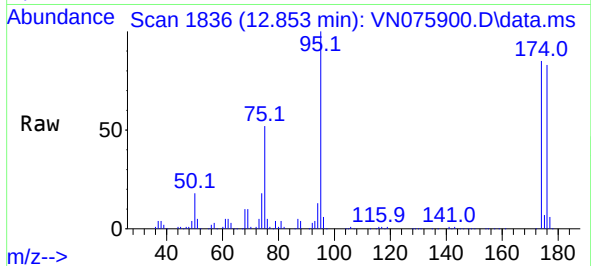




#76
1,2,3-Trichloropropane
Concen: 25.679 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

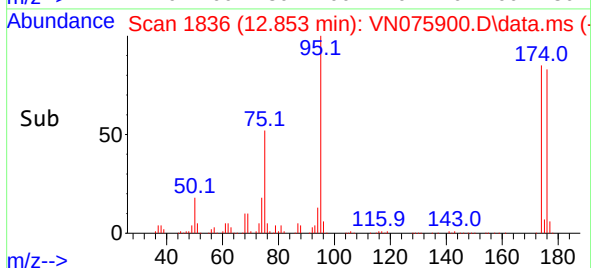
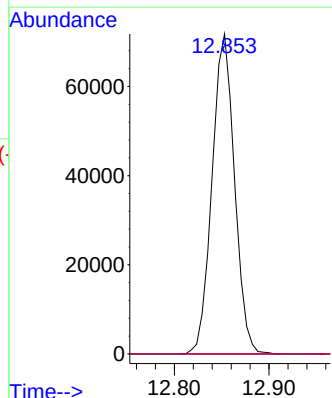
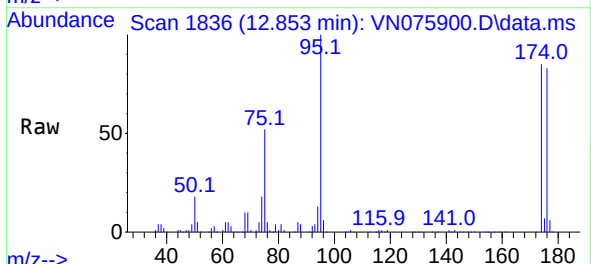
Instrument :
MSVOA_N
ClientSampleId :
TP-K

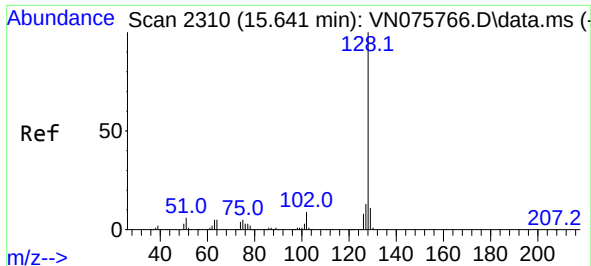
Tgt Ion: 75 Resp: 118188
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.430 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

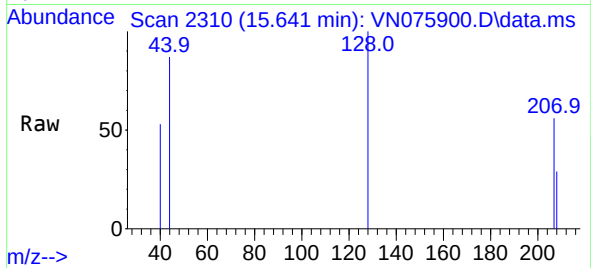
Tgt Ion: 75 Resp: 118188
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.239 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075900.D
Acq: 20 Dec 2022 15:47

Instrument :
MSVOA_N
ClientSampleId :
TP-K



Tgt Ion:128 Resp: 793
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

