

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075160.D
 Acq On : 03 Nov 2022 21:37
 Operator : JC\MD
 Sample : N5418-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-N

Quant Time: Nov 04 04:13:02 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

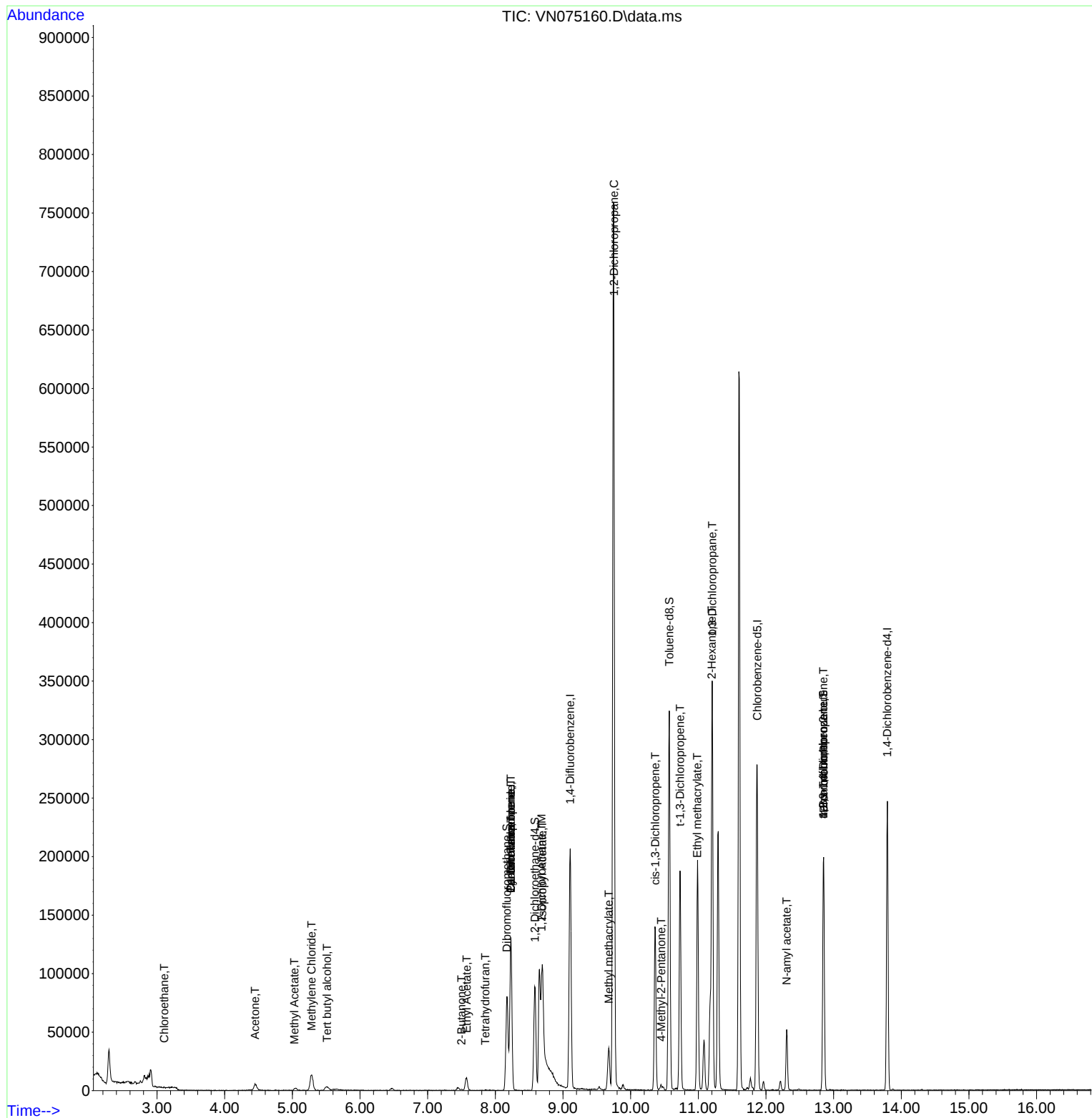
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	88109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	180481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	163485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	64108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	74568	62.812	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.620%#	
35) Dibromofluoromethane	8.171	113	57575	54.341	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 108.680%	
50) Toluene-d8	10.571	98	221345	53.847	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.700%	
62) 4-Bromofluorobenzene	12.847	95	68745	47.608	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.918	94	128	Below Cal	#	63
6) Chloroethane	3.106	64	380	0.305	ug/l #	45
11) Tert butyl alcohol	5.512	59	3092	11.168	ug/l #	72
16) Acetone	4.448	43	10975	21.833	ug/l	92
18) Methyl Acetate	5.030	43	2098	1.278	ug/l #	47
20) Methylene Chloride	5.283	84	11367	10.142	ug/l #	87
25) 2-Butanone	7.500	43	891	1.127	ug/l	99
29) Tetrahydrofuran	7.853	42	109	0.213	ug/l #	59
31) Cyclohexane	8.230	56	2268	1.285	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	8186	4.991	ug/l #	53
37) Ethyl Acetate	7.577	43	16263	9.041	ug/l	98
38) Carbon Tetrachloride	8.230	117	10455	5.794	ug/l #	12
42) 1,2-Dichloroethane	8.683	62	592	0.324	ug/l #	75
43) Isopropyl Acetate	8.694	43	129486	46.405	ug/l #	77
45) 1,2-Dichloropropane	9.753	63	970	0.812	ug/l #	42
48) Methyl methacrylate	9.677	41	2204	1.722	ug/l #	36
51) 4-Methyl-2-Pentanone	10.453	43	5370	2.982	ug/l #	68
53) t-1,3-Dichloropropene	10.729	75	483	0.254	ug/l #	55
54) cis-1,3-Dichloropropene	10.365	75	26730	13.241	ug/l #	63
56) Ethyl methacrylate	10.982	69	661	0.326	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	3852	1.738	ug/l #	42
59) 2-Hexanone	11.200	43	36799	26.927	ug/l #	54
71) Bromoform	12.853	173	628	0.648	ug/l #	1
74) N-amyl acetate	12.306	43	15907	8.357	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	37139	27.284	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	37139	70.039	ug/l #	10

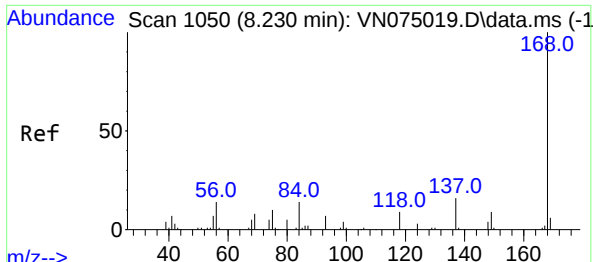
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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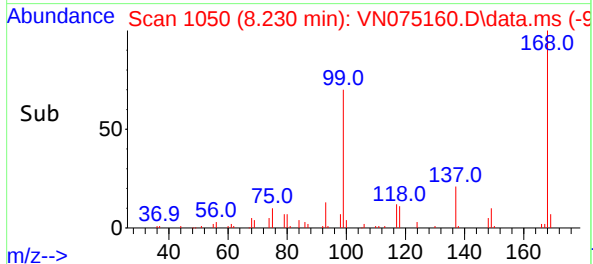
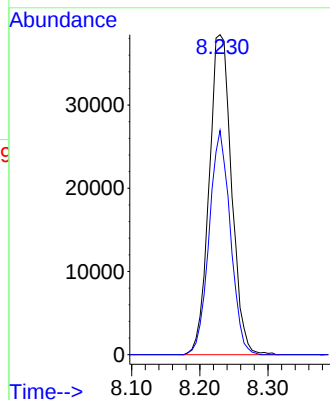
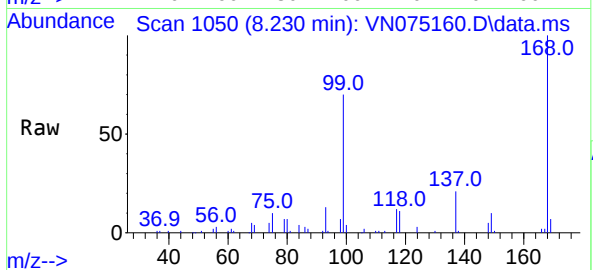




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

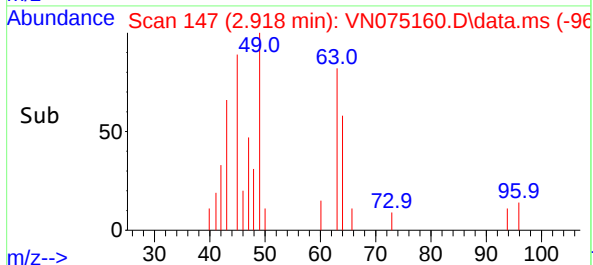
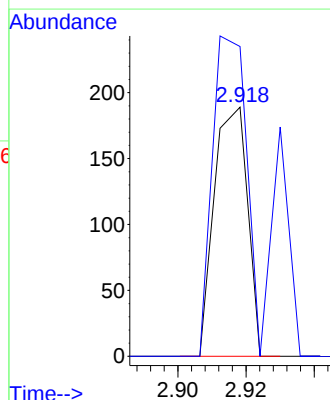
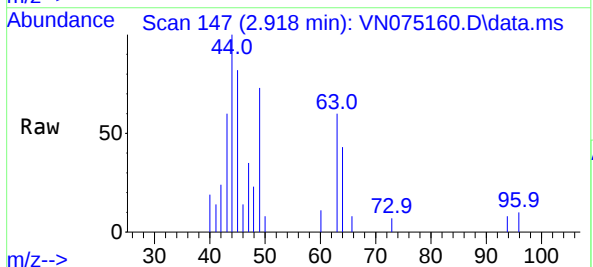
Instrument :
MSVOA_N
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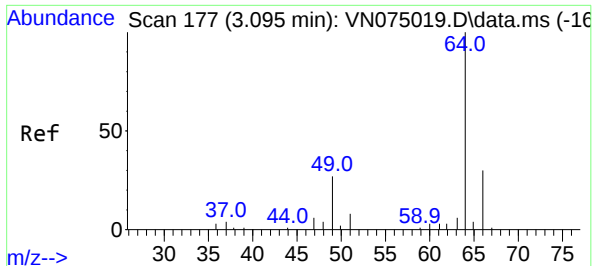
Tgt Ion:168 Resp: 88109
Ion Ratio Lower Upper
168 100
99 70.0 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.918 min Scan# 147
Delta R.T. 0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 124.3 71.8 107.6#

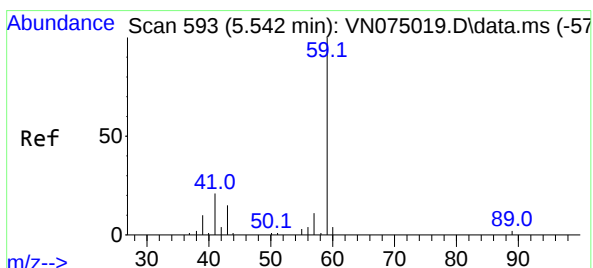
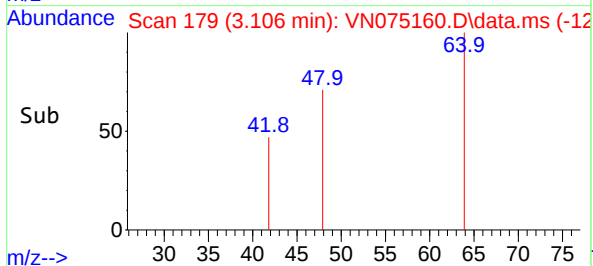
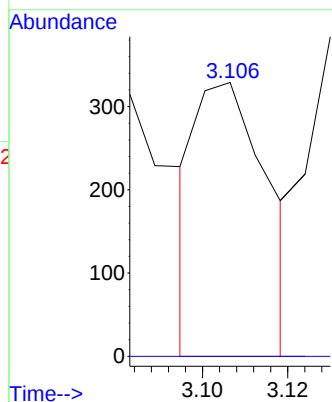
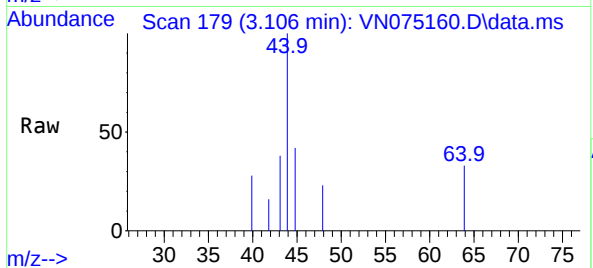




#6
Chloroethane
Concen: 0.305 ug/l
RT: 3.106 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

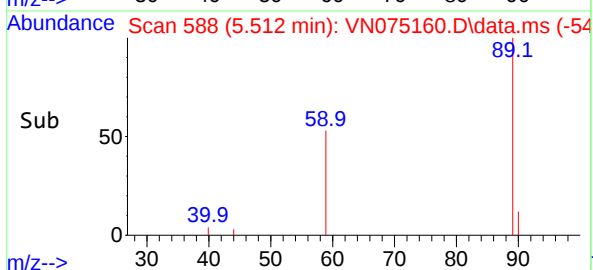
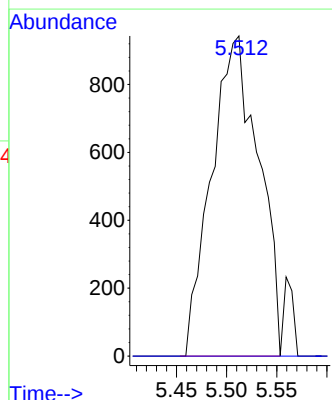
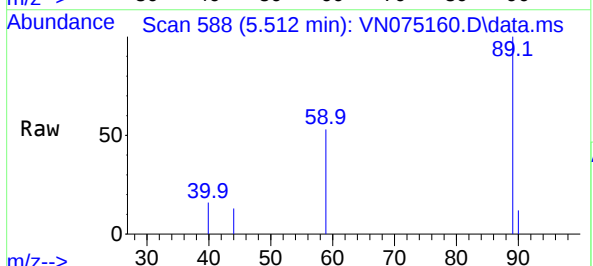
Instrument :
MSVOA_N
ClientSampleId :
TP-N

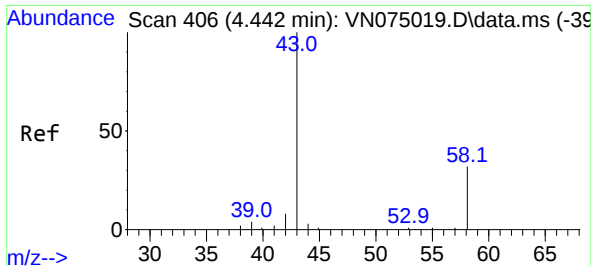
Tgt Ion: 64 Resp: 380
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 11.168 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 59 Resp: 3092
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

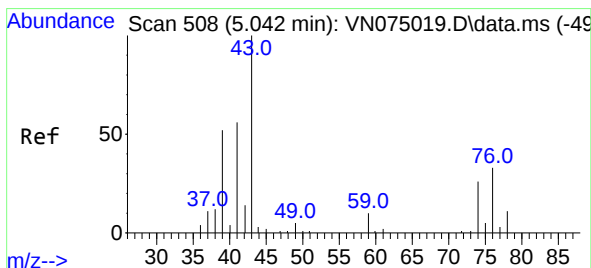
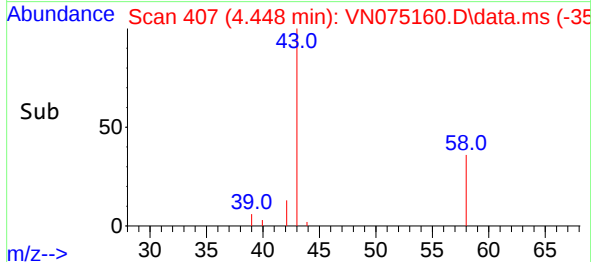
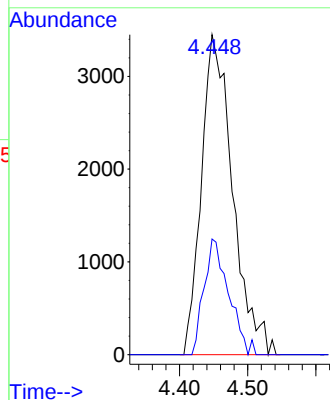
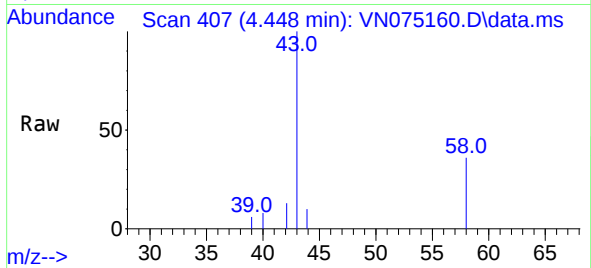




#16
Acetone
Concen: 21.833 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

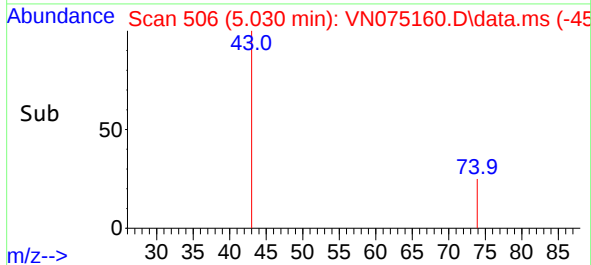
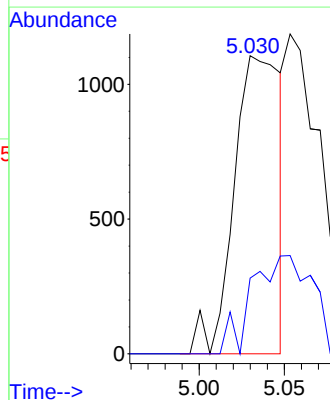
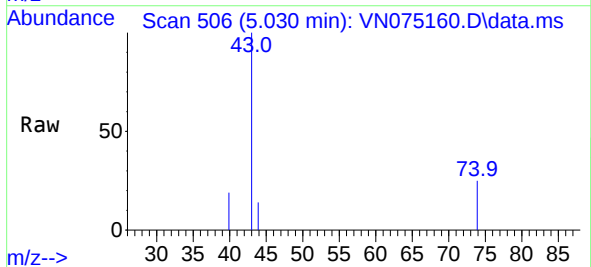
Instrument :
MSVOA_N
ClientSampleId :
TP-N

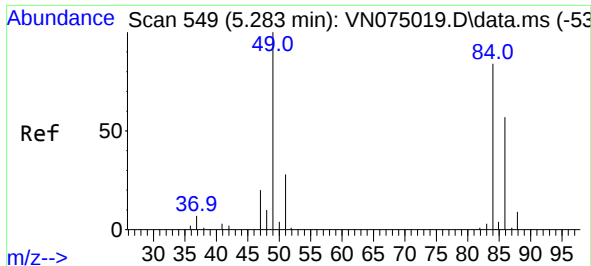
Tgt Ion: 43 Resp: 10975
Ion Ratio Lower Upper
43 100
58 36.1 25.5 38.3



#18
Methyl Acetate
Concen: 1.278 ug/l
RT: 5.030 min Scan# 506
Delta R.T. -0.012 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
74 0.0 22.0 33.0#

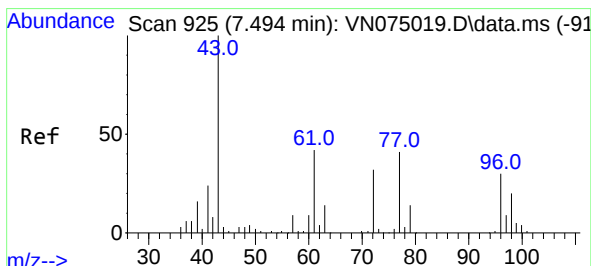
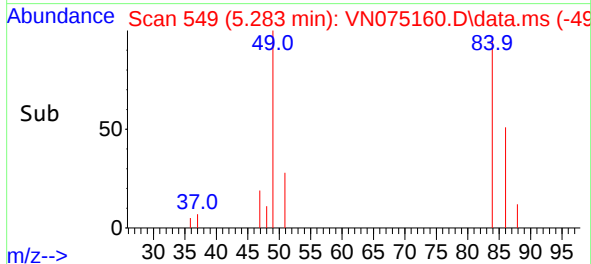
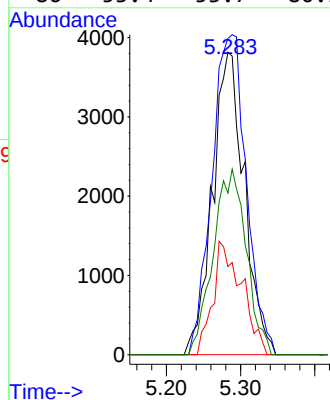
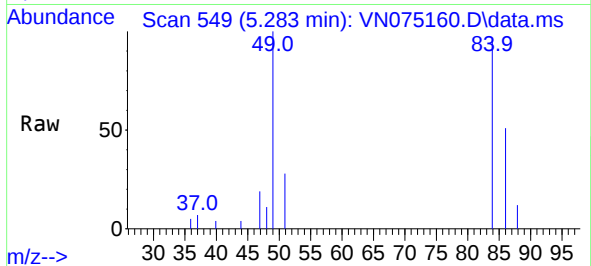




#20
Methylene Chloride
Concen: 10.142 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

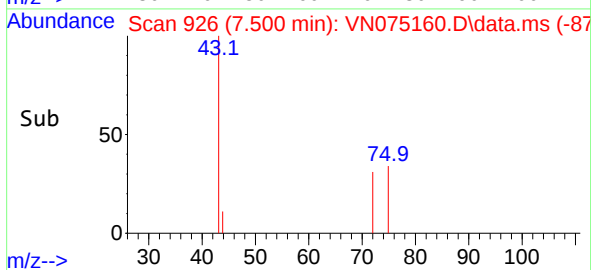
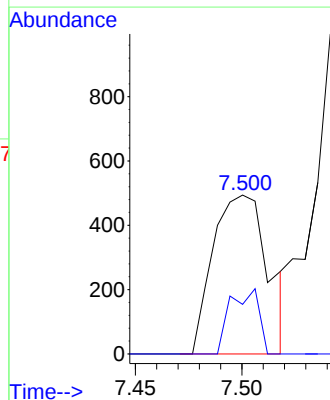
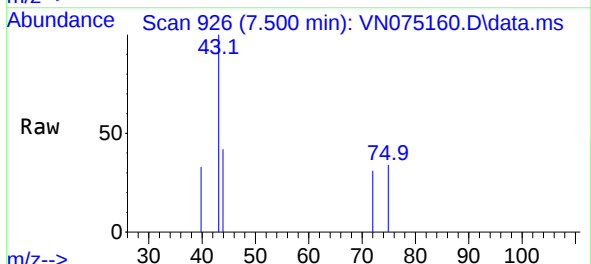
Instrument :
MSVOA_N
ClientSampleId :
TP-N

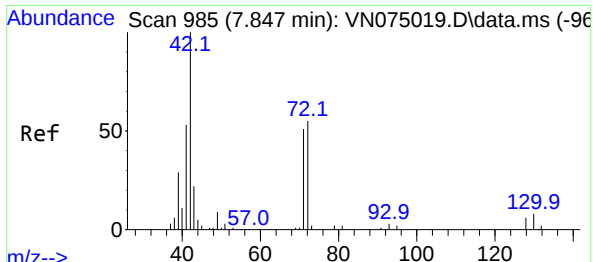
Tgt Ion:	84	Resp:	11367
Ion	Ratio	Lower	Upper
84	100		
49	104.5	94.9	142.3
51	29.1	26.8	40.2
86	53.4	53.7	80.5



#25
2-Butanone
Concen: 1.127 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion:	43	Resp:	891
Ion	Ratio	Lower	Upper
43	100		
72	31.2	25.5	38.3

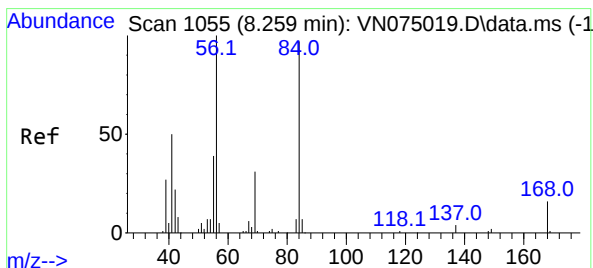
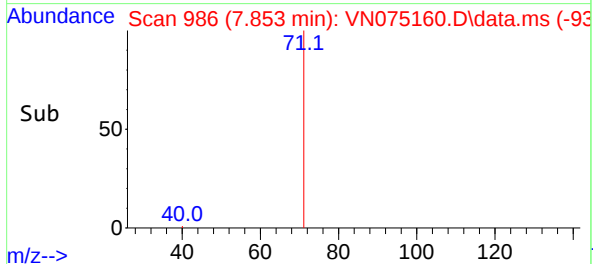
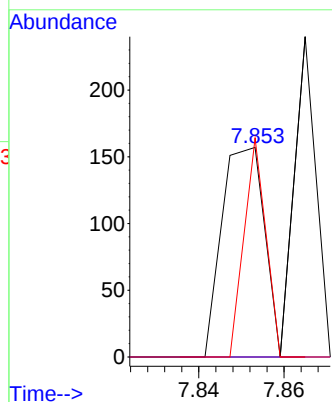
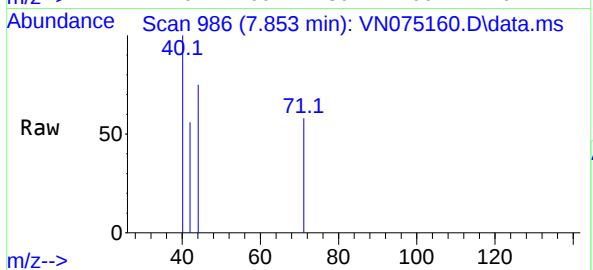




#29
Tetrahydrofuran
Concen: 0.213 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

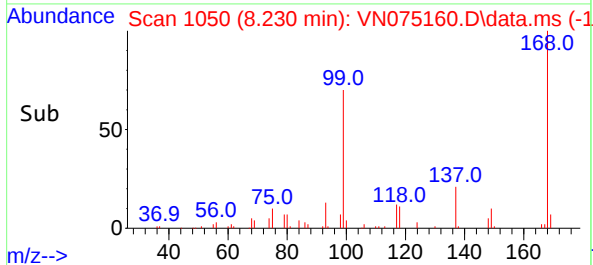
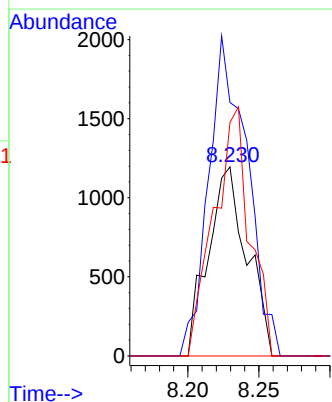
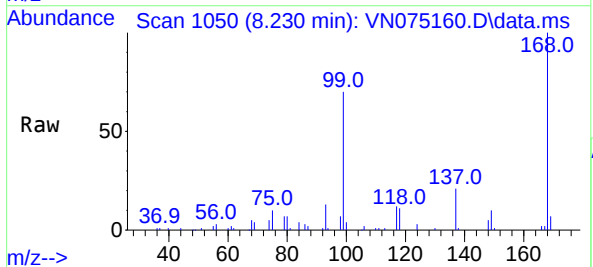
Instrument :
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ClientSampleId :
TP-N

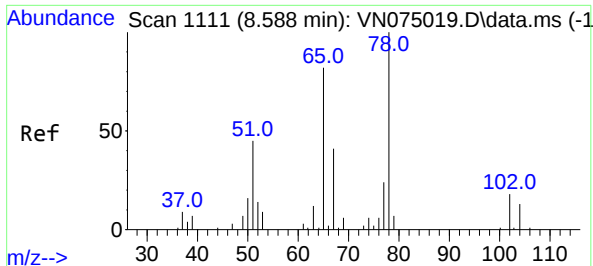
Tgt Ion: 42 Resp: 109
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 53.2 39.9 59.9



#31
Cyclohexane
Concen: 1.285 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 56 Resp: 2268
Ion Ratio Lower Upper
56 100
69 134.1 25.2 37.8#
84 123.5 77.8 116.8#

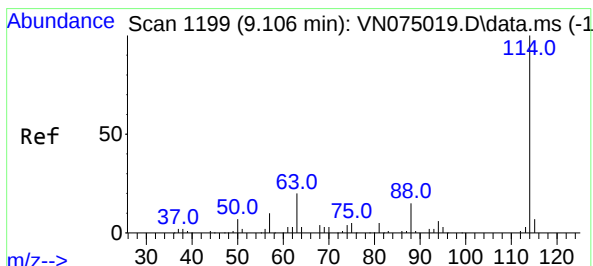
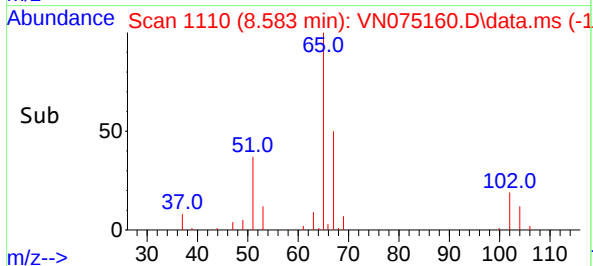
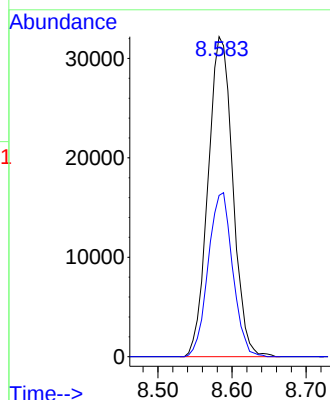
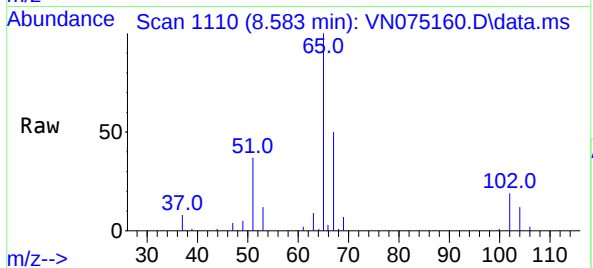




#33
1,2-Dichloroethane-d4
Concen: 62.812 ug/l
RT: 8.583 min Scan# 1111
Delta R.T. -0.005 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

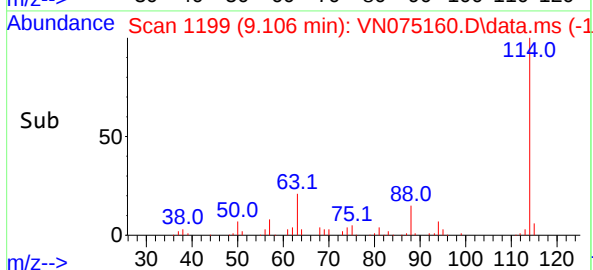
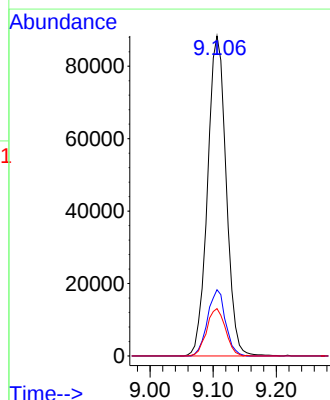
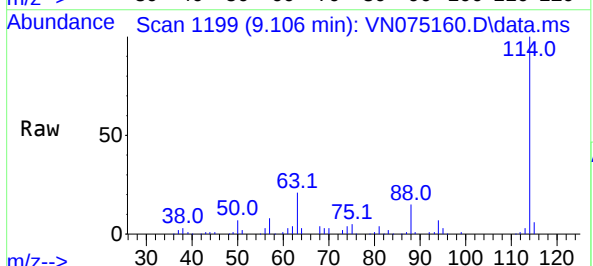
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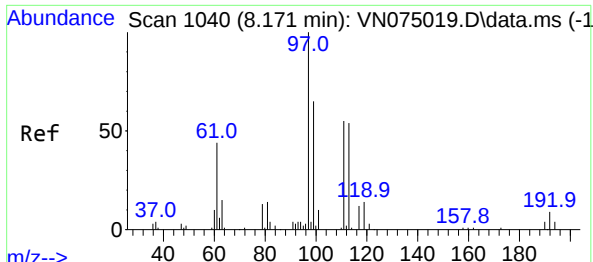
Tgt Ion: 65 Resp: 74568
Ion Ratio Lower Upper
65 100
67 50.7 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 114 Resp: 180481
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.6
88 14.8 0.0 29.0

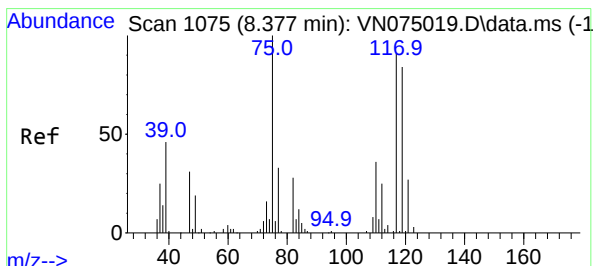
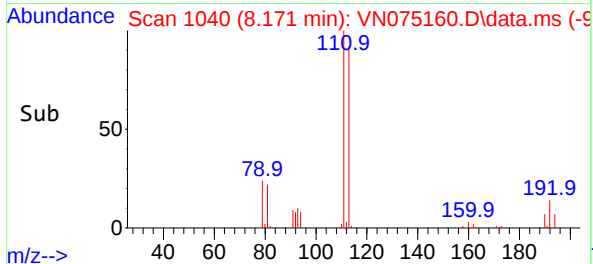
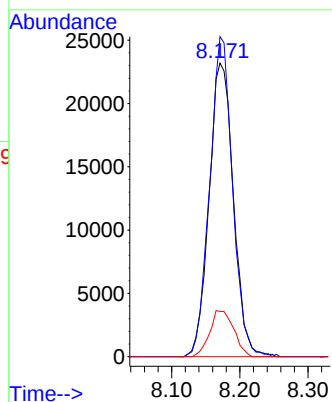
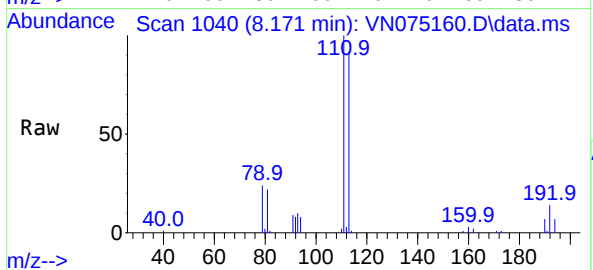




#35
Dibromofluoromethane
Concen: 54.341 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

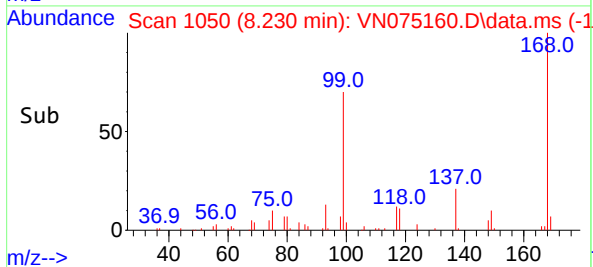
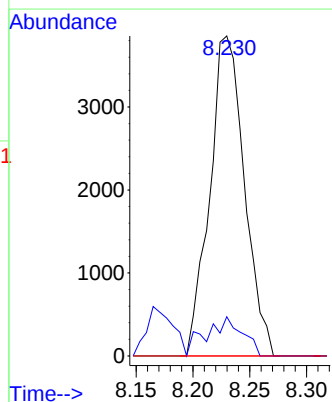
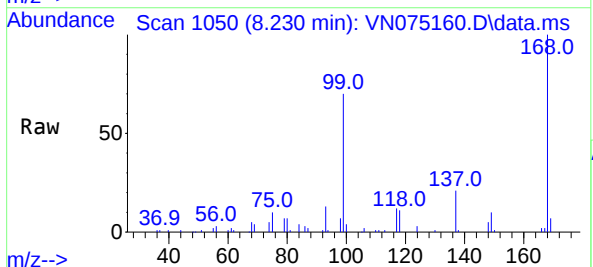
Instrument :
MSVOA_N
ClientSampleId :
TP-N

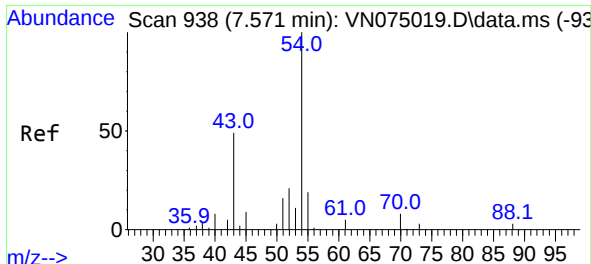
Tgt Ion:113 Resp: 57575
Ion Ratio Lower Upper
113 100
111 102.6 80.5 120.7
192 15.5 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 75 Resp: 8186
Ion Ratio Lower Upper
75 100
110 12.6 17.8 53.3#
77 0.0 24.6 37.0#

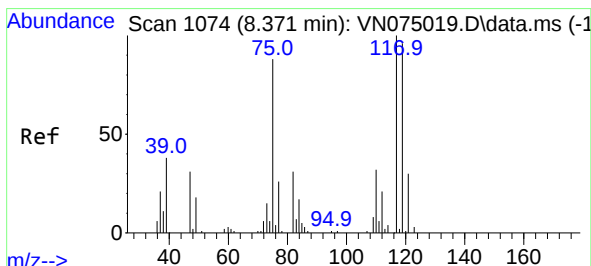
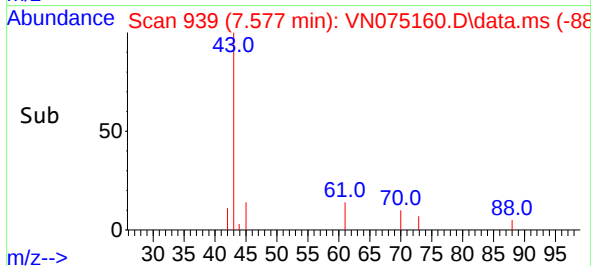
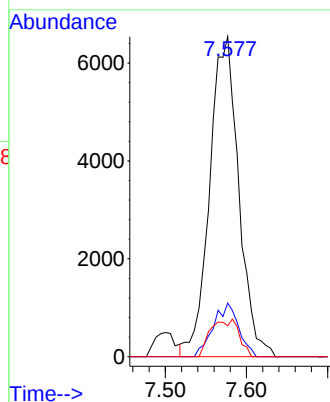
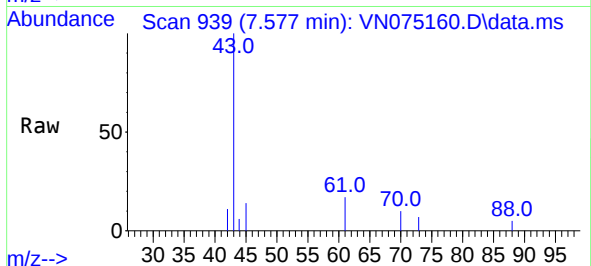




#37
Ethyl Acetate
Concen: 9.041 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

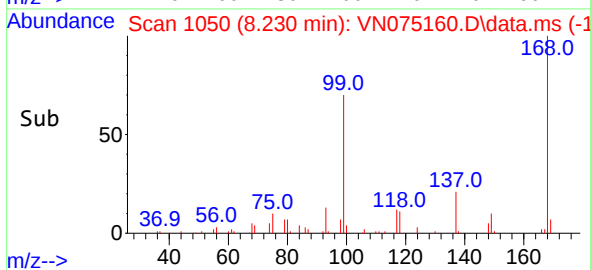
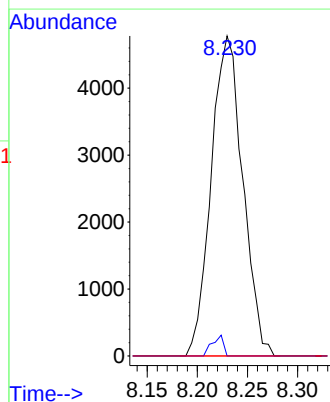
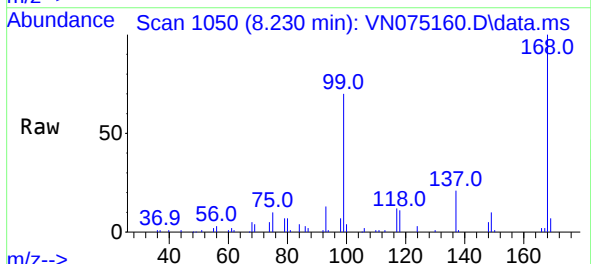
Instrument :
MSVOA_N
ClientSampleId :
TP-N

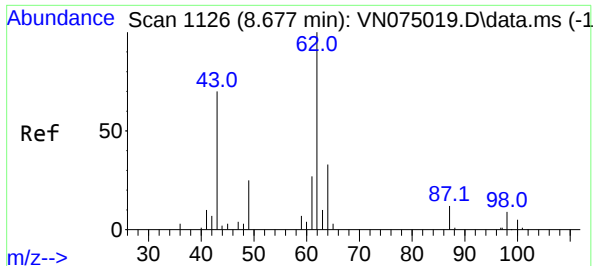
Tgt Ion:	43	Resp:	16263
Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.2	18.4
70	11.4	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion:	117	Resp:	10455
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.7	115.1#
121	0.0	23.9	35.9#

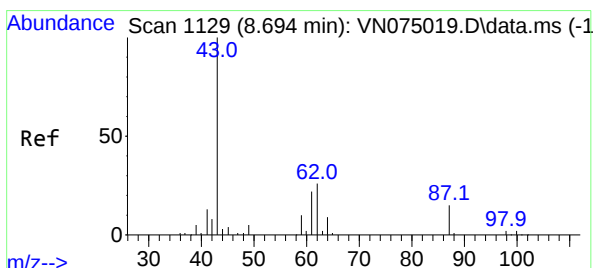
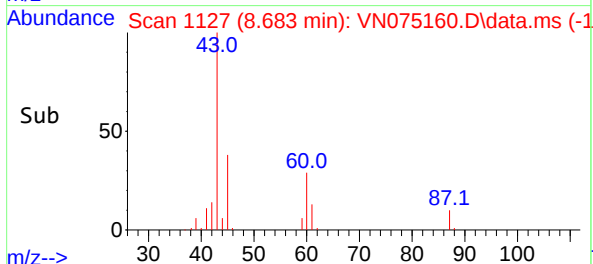
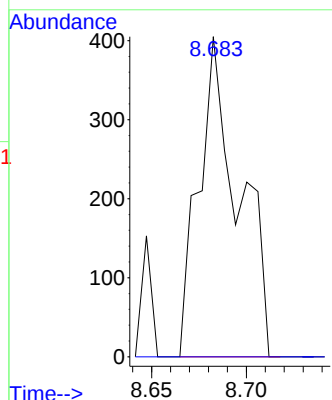
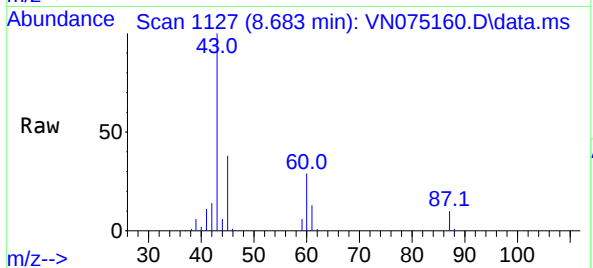




#42
1,2-Dichloroethane
Concen: 0.324 ug/l
RT: 8.683 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

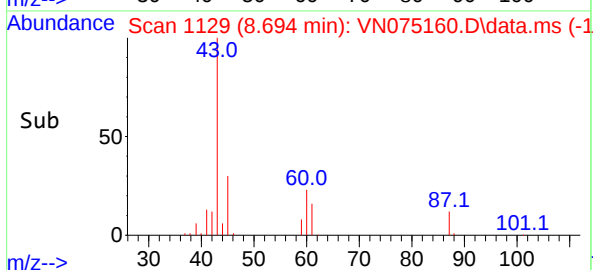
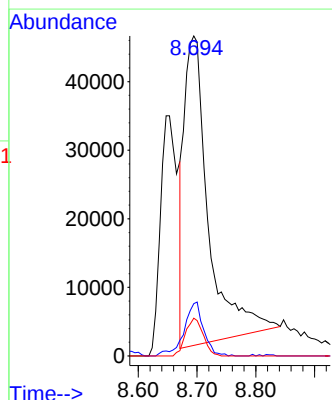
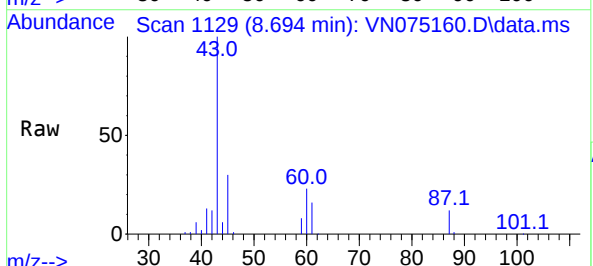
Instrument :
MSVOA_N
ClientSampleId :
TP-N

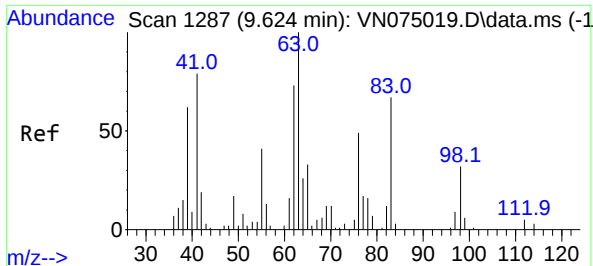
Tgt Ion: 62 Resp: 592
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 46.405 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 43 Resp: 129486
Ion Ratio Lower Upper
43 100
61 14.0 22.4 33.6#
87 8.9 12.5 18.7#

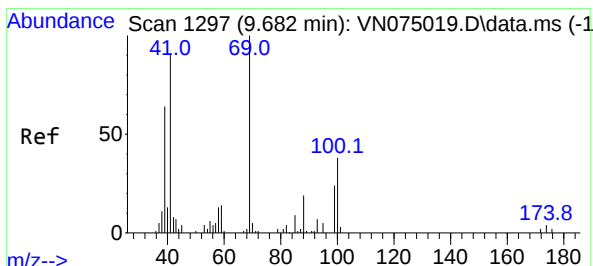
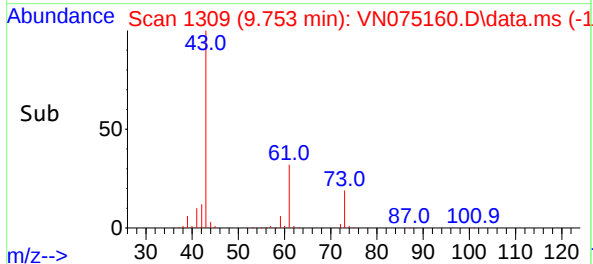
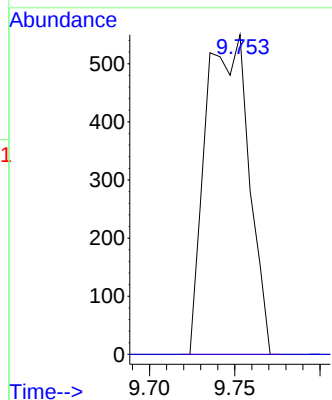
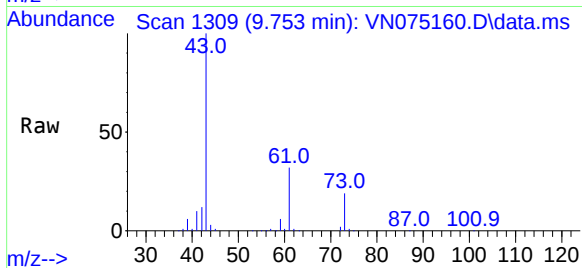




#45
1,2-Dichloropropane
Concen: 0.812 ug/l
RT: 9.753 min Scan# 11
Delta R.T. 0.129 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

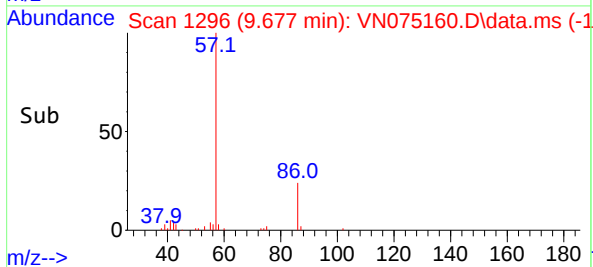
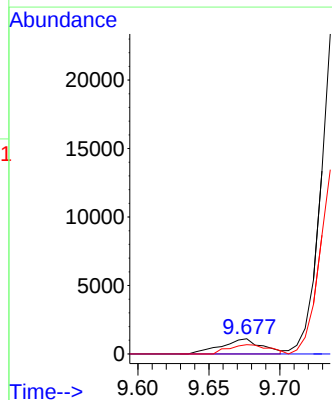
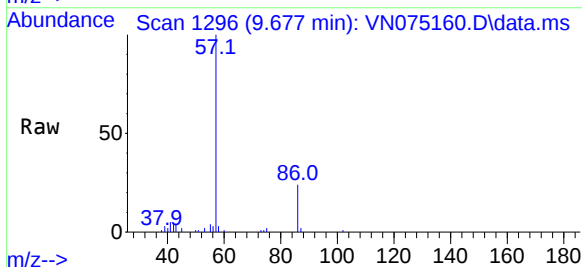
Instrument :
MSVOA_N
ClientSampleId :
TP-N

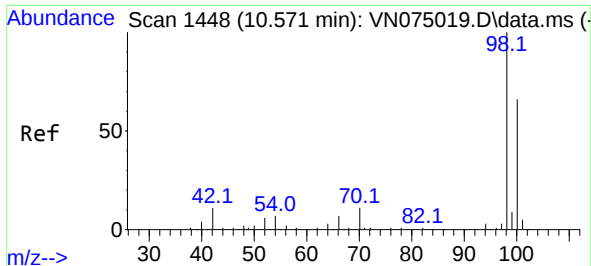
Tgt Ion: 63 Resp: 970
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#



#48
Methyl methacrylate
Concen: 1.722 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. -0.005 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 41 Resp: 2204
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 60.3 56.2 84.2

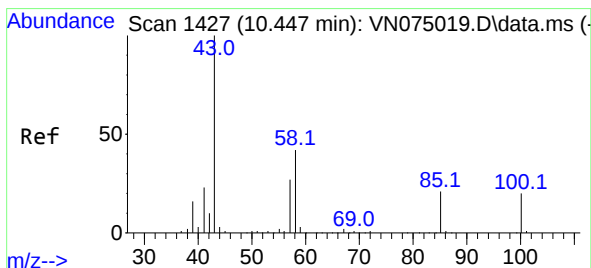
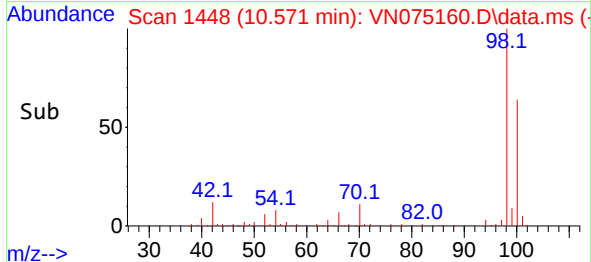
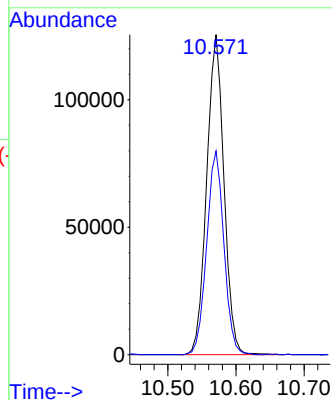
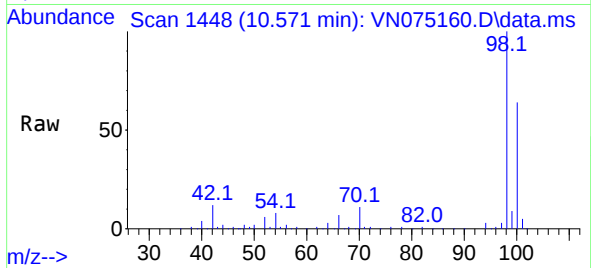




#50
Toluene-d8
Concen: 53.847 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

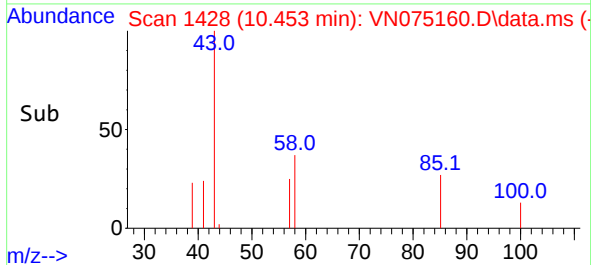
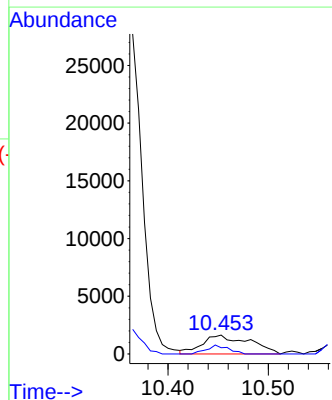
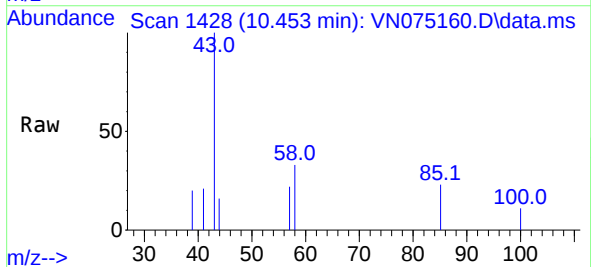
Instrument :
MSVOA_N
ClientSampleId :
TP-N

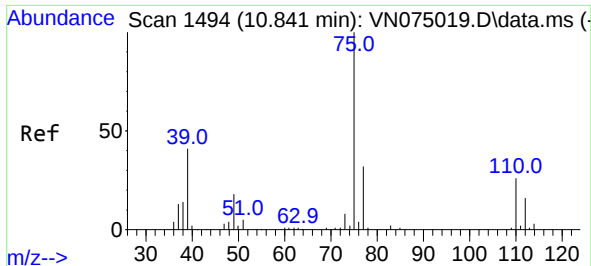
Tgt Ion: 98 Resp: 221345
Ion Ratio Lower Upper
98 100
100 63.6 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 2.982 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 43 Resp: 5370
Ion Ratio Lower Upper
43 100
58 21.6 33.6 50.4#

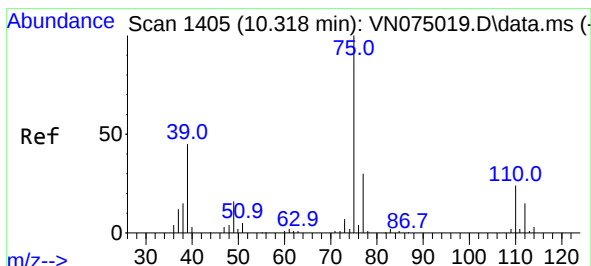
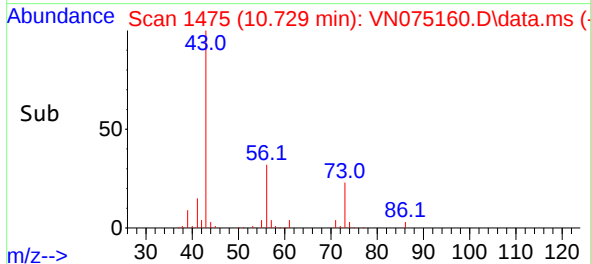
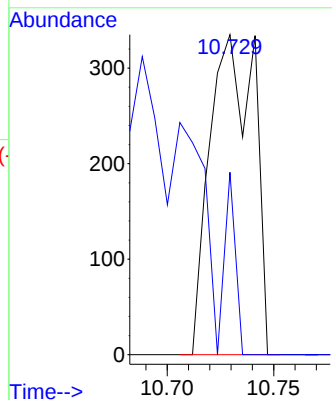
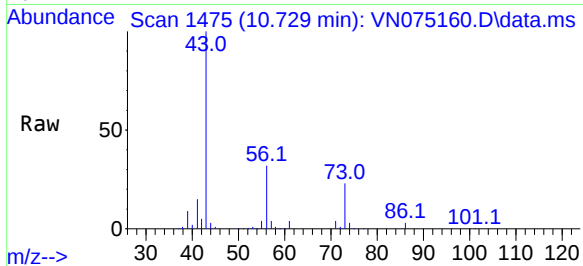




#53
t-1,3-Dichloropropene
Concen: 0.254 ug/l
RT: 10.729 min Scan# 1412
Delta R.T. -0.112 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

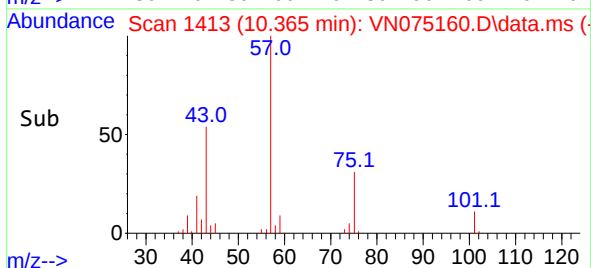
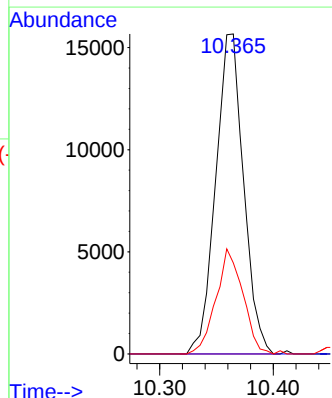
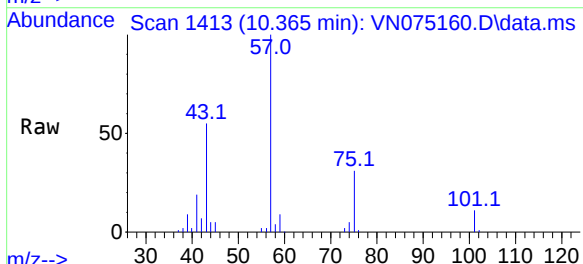
Instrument :
MSVOA_N
ClientSampleId :
TP-N

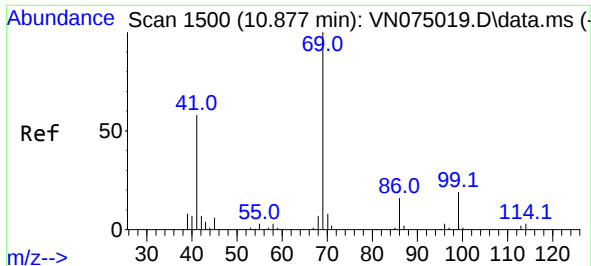
Tgt Ion: 75 Resp: 483
Ion Ratio Lower Upper
75 100
77 57.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 13.241 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.047 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 75 Resp: 26730
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 28.4 35.8 53.6#

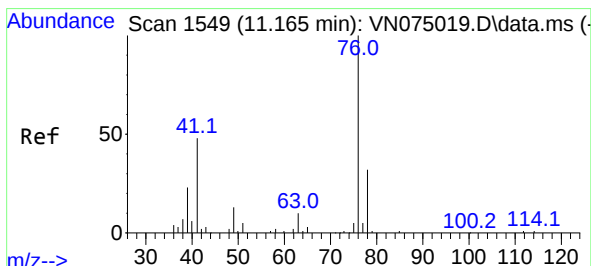
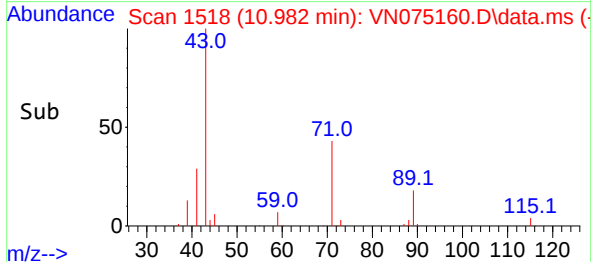
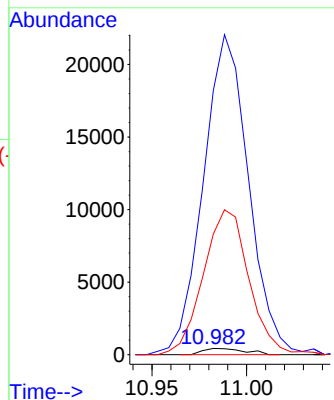
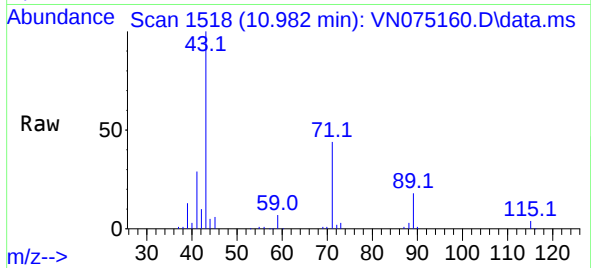




#56
Ethyl methacrylate
Concen: 0.326 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

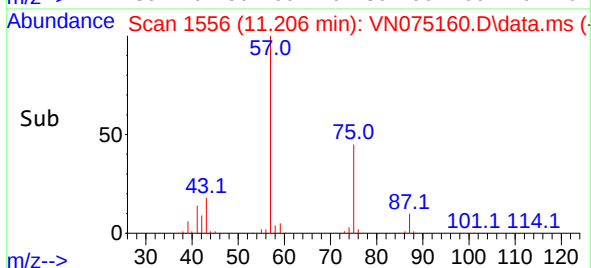
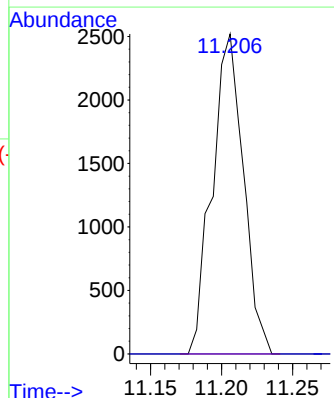
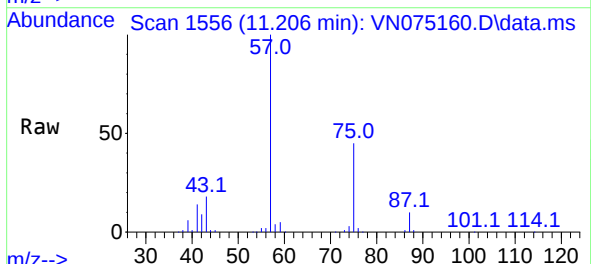
Instrument :
MSVOA_N
ClientSampleId :
TP-N

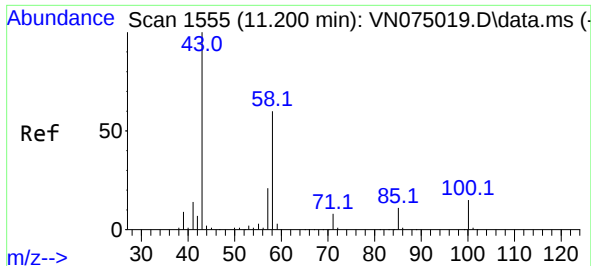
Tgt Ion: 69 Resp: 661
Ion Ratio Lower Upper
69 100
41 5574.0 45.6 68.4#
39 2537.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.738 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 76 Resp: 3852
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

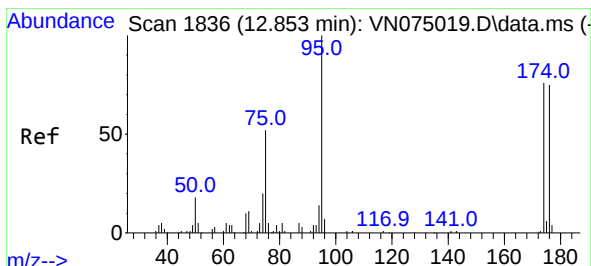
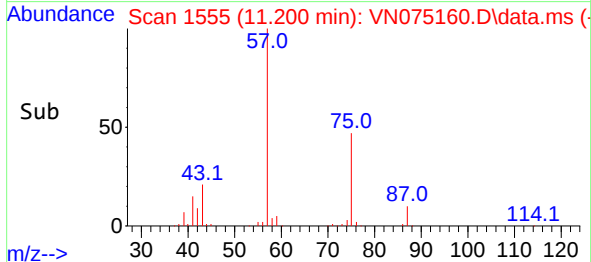
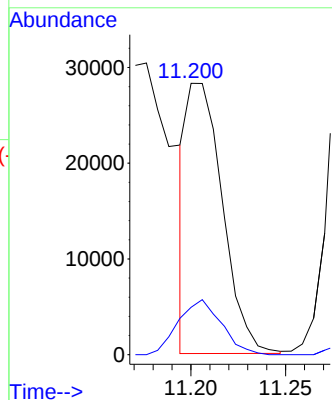
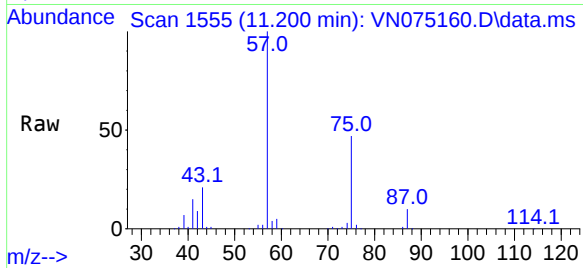




#59
2-Hexanone
Concen: 26.927 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

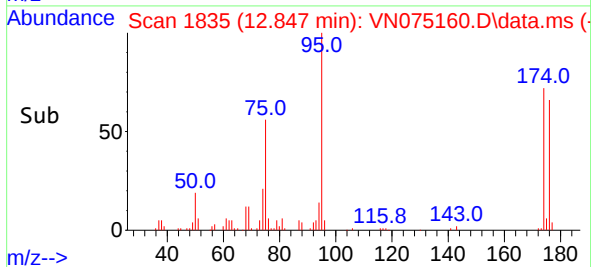
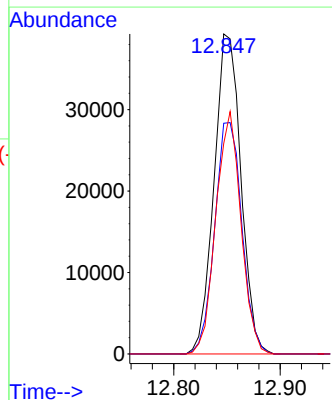
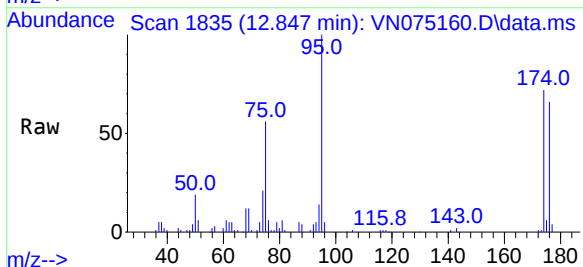
Instrument :
MSVOA_N
ClientSampleId :
TP-N

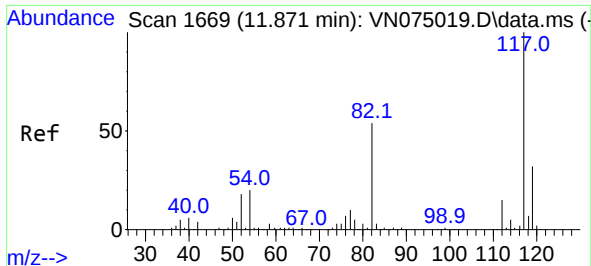
Tgt Ion: 43 Resp: 36799
Ion Ratio Lower Upper
43 100
58 24.8 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 47.608 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 95 Resp: 68745
Ion Ratio Lower Upper
95 100
174 73.4 0.0 147.4
176 70.7 0.0 142.2

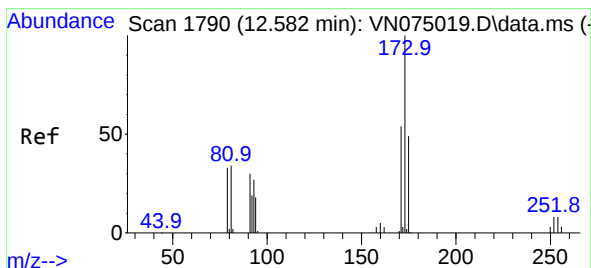
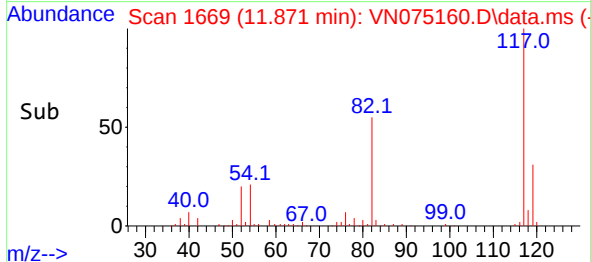
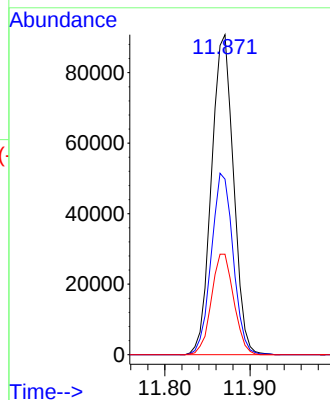
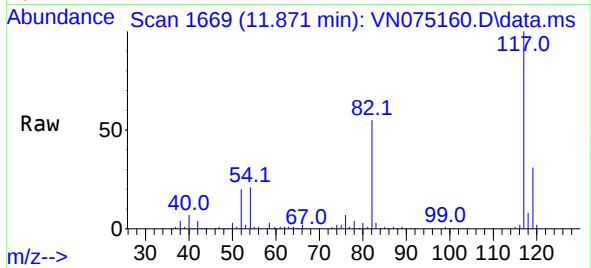




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

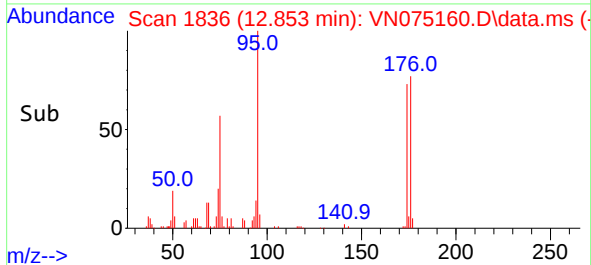
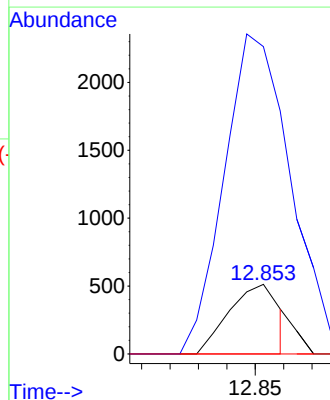
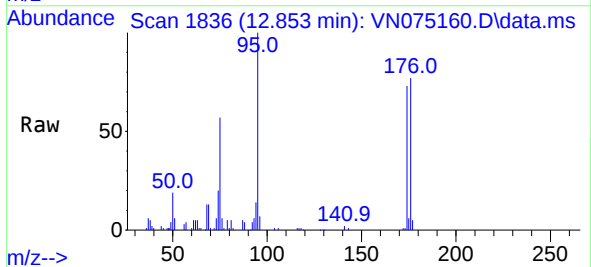
Instrument :
MSVOA_N
ClientSampleId :
TP-N

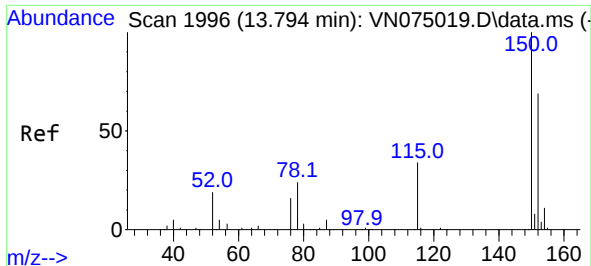
Tgt Ion:117 Resp: 163485
Ion Ratio Lower Upper
117 100
82 54.9 43.1 64.7
119 31.4 25.5 38.3



#71
Bromoform
Concen: 0.648 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion:173 Resp: 628
Ion Ratio Lower Upper
173 100
175 510.2 24.6 74.0#
254 0.0 0.0 0.0

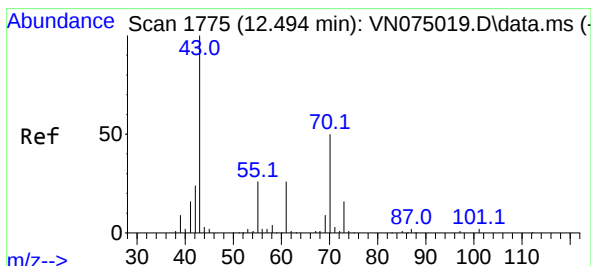
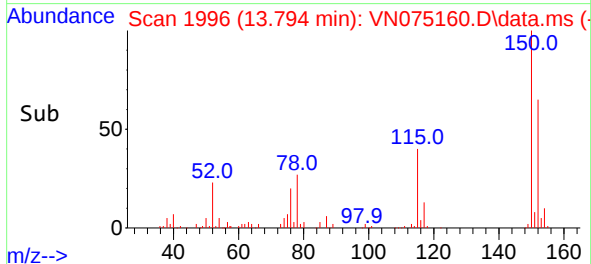
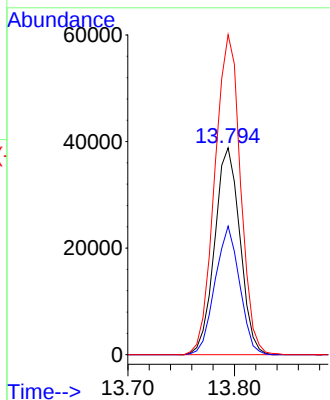
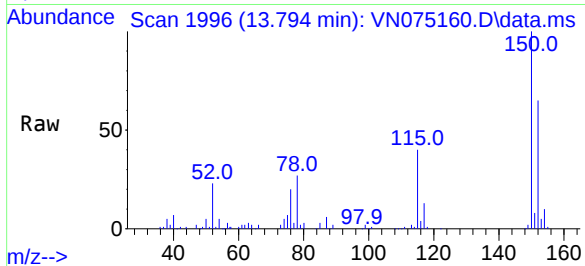




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

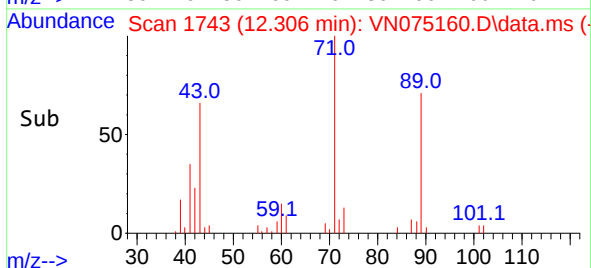
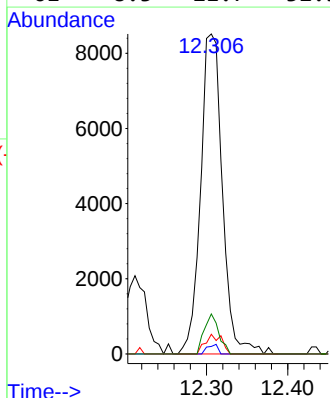
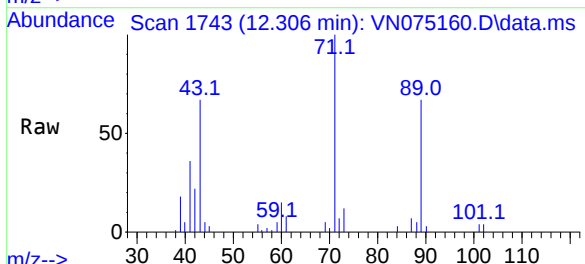
Instrument :
MSVOA_N
ClientSampleId :
TP-N

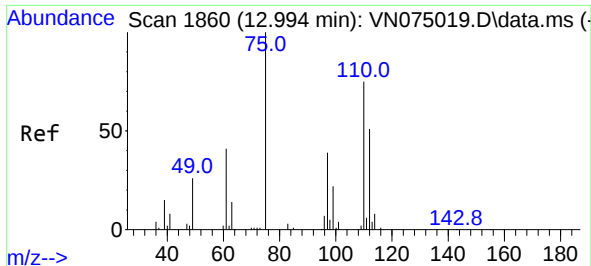
Tgt Ion:152 Resp: 64108
Ion Ratio Lower Upper
152 100
115 60.3 30.2 90.6
150 157.0 0.0 348.4



#74
N-ethyl acetate
Concen: 8.357 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 43 Resp: 15907
Ion Ratio Lower Upper
43 100
70 1.4 39.8 59.8#
55 4.6 19.9 29.9#
61 8.3 21.7 32.5#

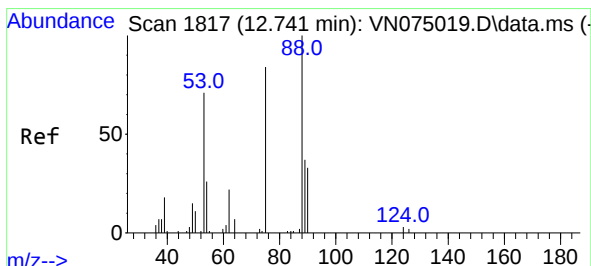
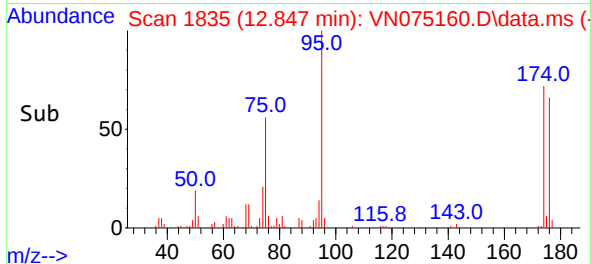
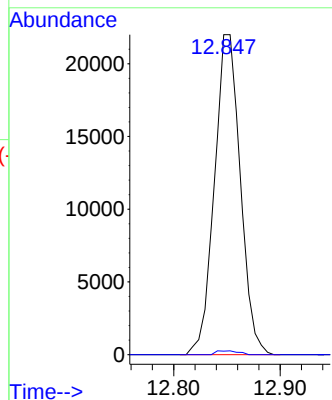
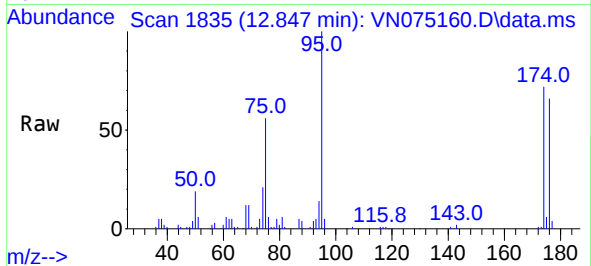




#76
1,2,3-Trichloropropane
Concen: 27.284 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Instrument :
MSVOA_N
ClientSampleId :
TP-N

Tgt Ion: 75 Resp: 37139
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.039 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075160.D
Acq: 03 Nov 2022 21:37

Tgt Ion: 75 Resp: 37139
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

