

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110322\
 Data File : VN075156.D
 Acq On : 03 Nov 2022 20:01
 Operator : JC\MD
 Sample : N5418-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-J

Quant Time: Nov 04 04:12:26 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)

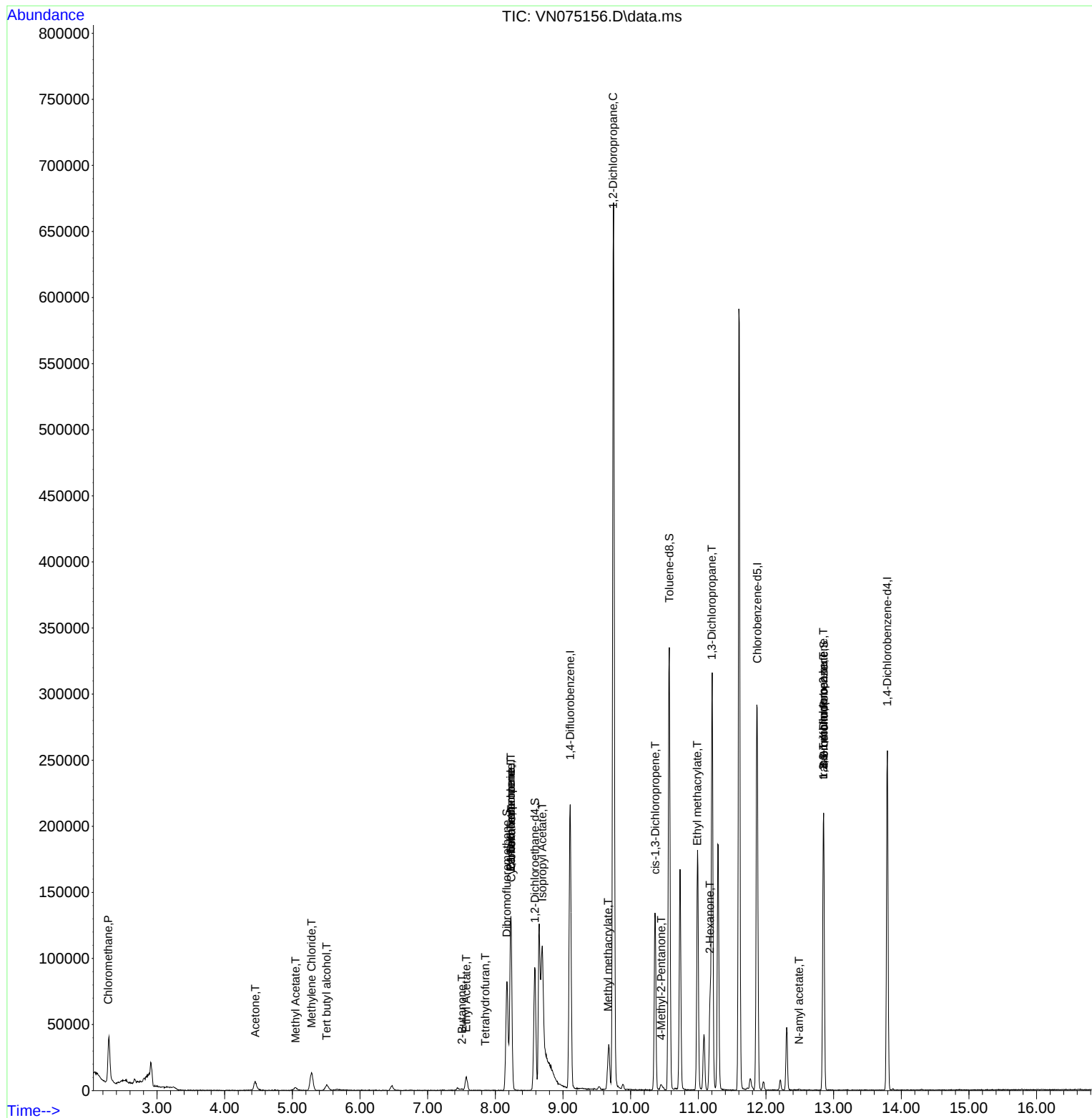
Internal Standards						
1) Pentafluorobenzene	8.230	168	93150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	187340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	172900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	75688	60.305	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.620%	
35) Dibromofluoromethane	8.171	113	57873	52.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.240%	
50) Toluene-d8	10.571	98	232849	54.572	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.140%	
62) 4-Bromofluorobenzene	12.853	95	72413	48.312	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.620%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.277	50	1122	0.872	ug/l #	42
5) Bromomethane	2.924	94	250	Below Cal	#	5
11) Tert butyl alcohol	5.506	59	4172	14.254	ug/l #	72
16) Acetone	4.453	43	12719	23.933	ug/l	97
18) Methyl Acetate	5.047	43	4861	2.800	ug/l #	88
20) Methylene Chloride	5.283	84	11213	9.463	ug/l #	86
25) 2-Butanone	7.506	43	1793	2.145	ug/l	99
29) Tetrahydrofuran	7.853	42	122	0.226	ug/l #	26
31) Cyclohexane	8.235	56	2360	1.264	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	8453	4.965	ug/l #	51
37) Ethyl Acetate	7.571	43	14616	7.827	ug/l	98
38) Carbon Tetrachloride	8.230	117	10206	5.449	ug/l #	15
43) Isopropyl Acetate	8.694	43	107897	37.252	ug/l #	80
45) 1,2-Dichloropropane	9.741	63	738	0.595	ug/l #	42
48) Methyl methacrylate	9.665	41	2244	1.689	ug/l #	38
51) 4-Methyl-2-Pentanone	10.453	43	5506	2.946	ug/l #	63
54) cis-1,3-Dichloropropene	10.365	75	25663	12.247	ug/l #	66
56) Ethyl methacrylate	10.982	69	648	0.307	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3521	1.530	ug/l #	42
59) 2-Hexanone	11.171	43	54048	38.101	ug/l #	21
71) Bromoform	12.853	173	609	0.594	ug/l #	1
74) N-amyl acetate	12.488	43	881	0.450	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	40483	28.913	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	40483	74.219	ug/l #	10

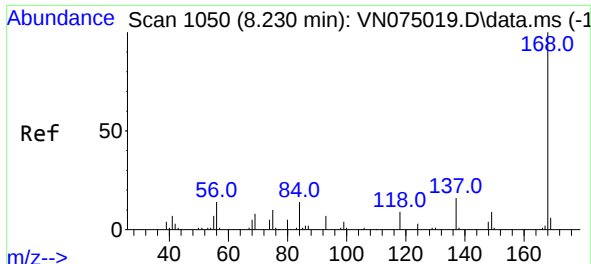
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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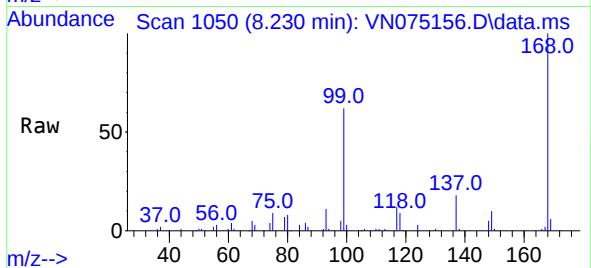
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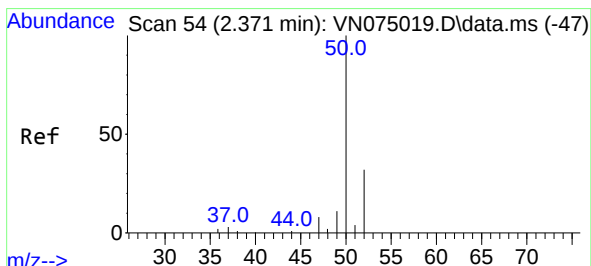
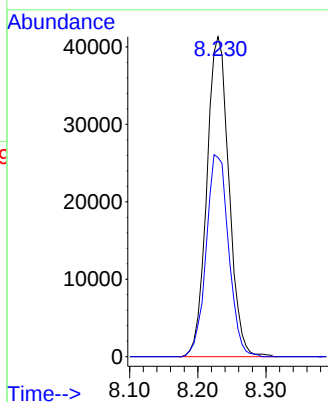
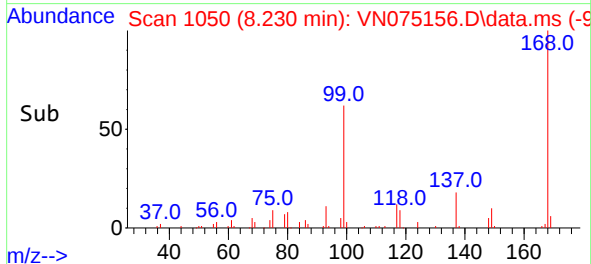


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Instrument :
MSVOA_N
ClientSampleId :
TP-J

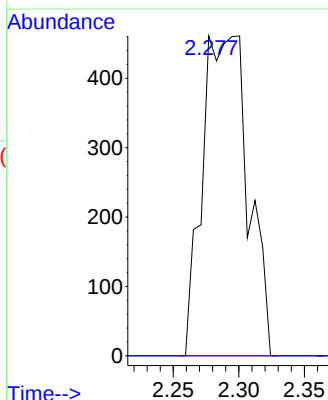
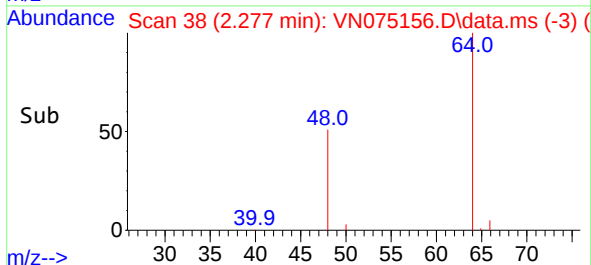
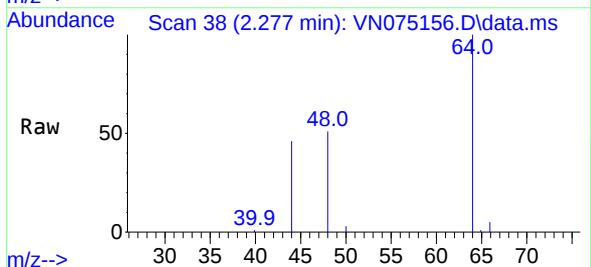


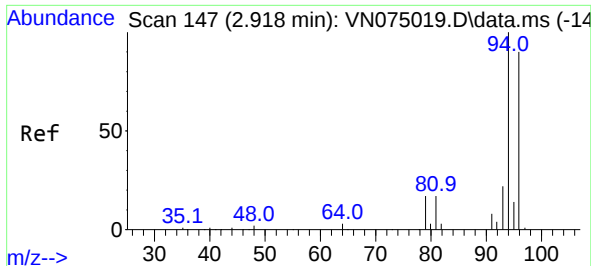
Tgt Ion:168 Resp: 93150
Ion Ratio Lower Upper
168 100
99 62.3 51.6 77.4



#3
Chloromethane
Concen: 0.872 ug/l
RT: 2.277 min Scan# 38
Delta R.T. -0.094 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 50 Resp: 1122
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

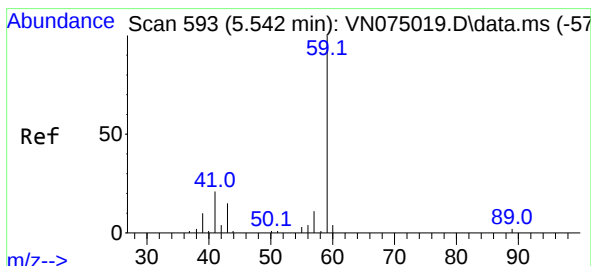
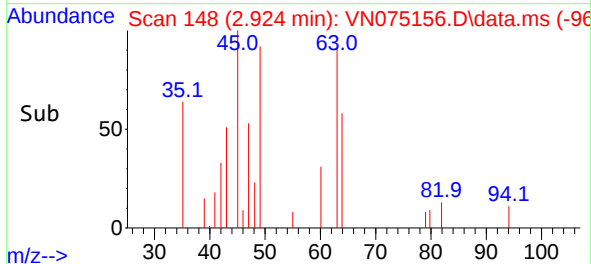
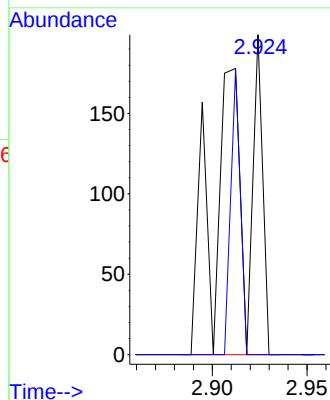
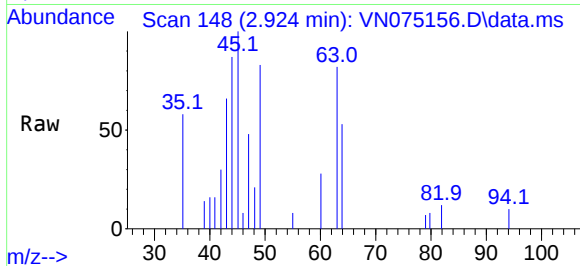




#5
Bromomethane
Concen: Below Cal
RT: 2.924 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

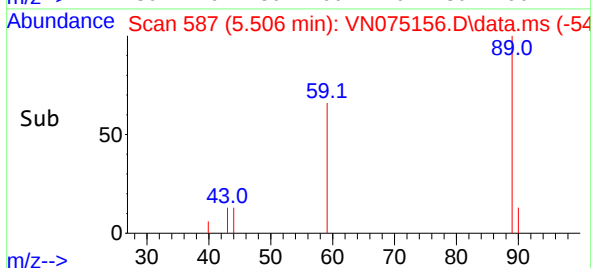
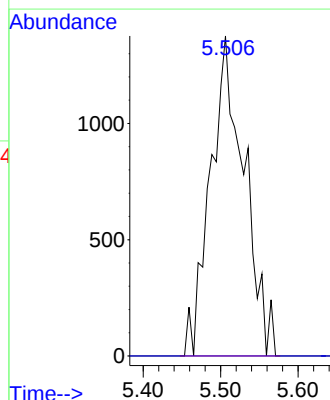
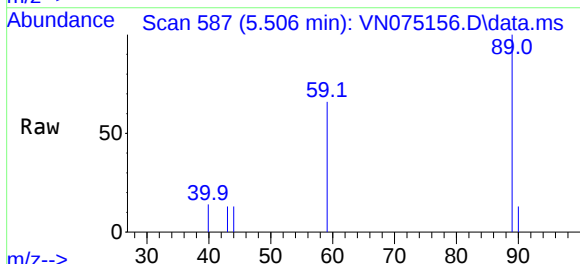
Instrument :
MSVOA_N
ClientSampleId :
TP-J

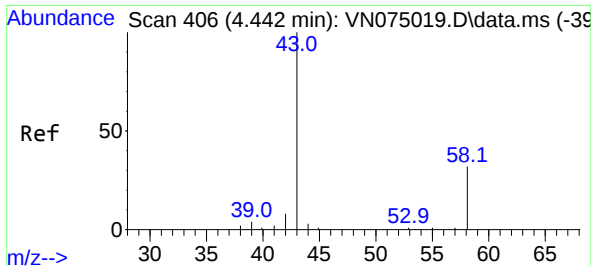
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#



#11
Tert butyl alcohol
Concen: 14.254 ug/l
RT: 5.506 min Scan# 587
Delta R.T. -0.036 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 59 Resp: 4172
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

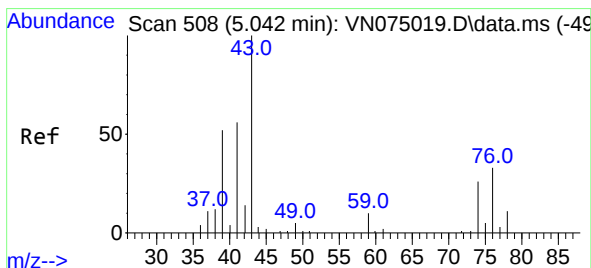
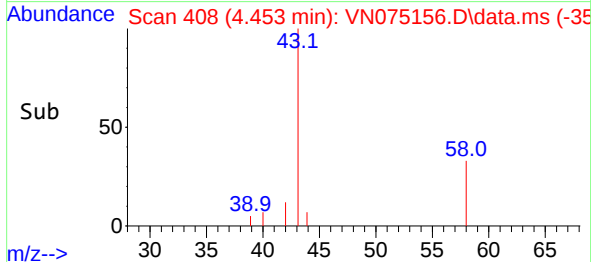
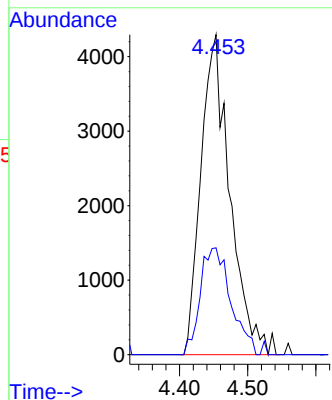
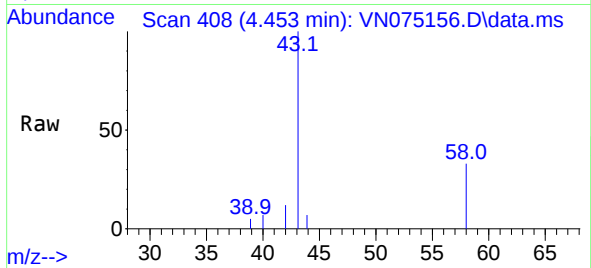




#16
Acetone
Concen: 23.933 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

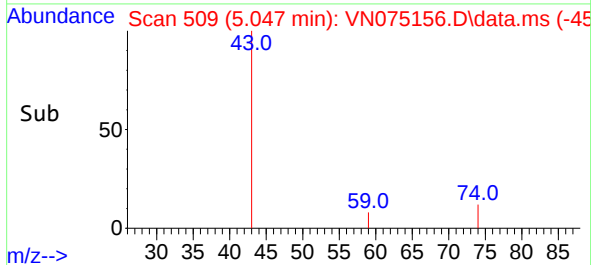
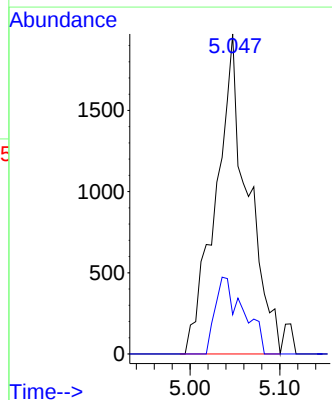
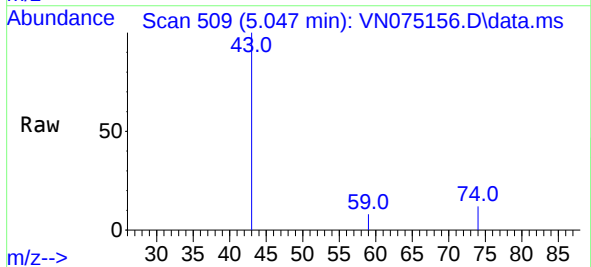
Instrument :
MSVOA_N
ClientSampleId :
TP-J

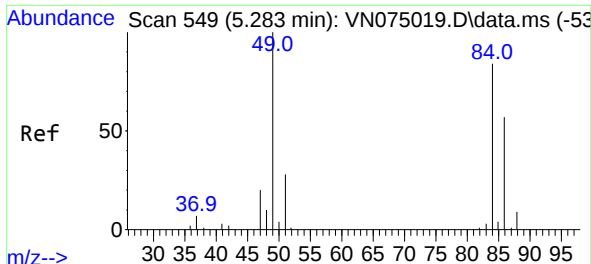
Tgt Ion: 43 Resp: 12719
Ion Ratio Lower Upper
43 100
58 33.4 25.5 38.3



#18
Methyl Acetate
Concen: 2.800 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.005 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 43 Resp: 4861
Ion Ratio Lower Upper
43 100
74 21.1 22.0 33.0#



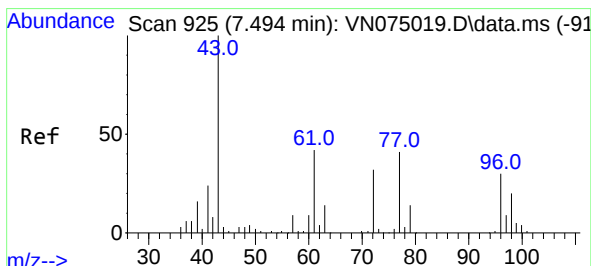
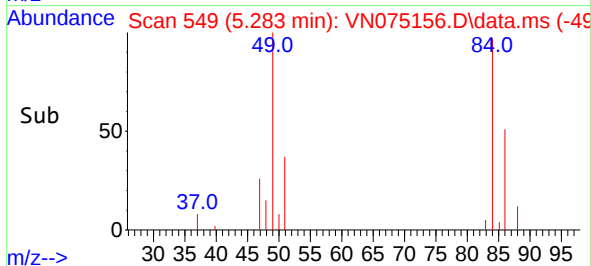
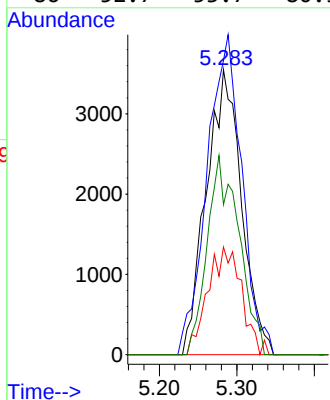
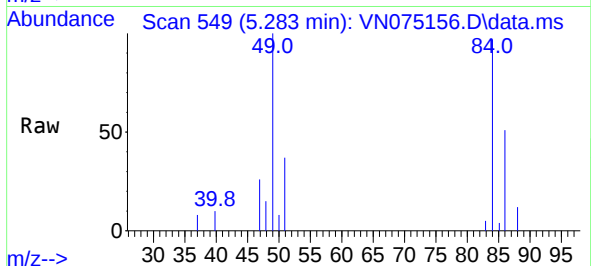


#20
Methylene Chloride
Concen: 9.463 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Instrument :
MSVOA_N
ClientSampleId :
TP-J

Tgt Ion: 84 Resp: 11213

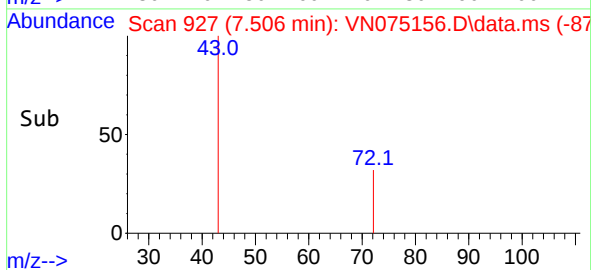
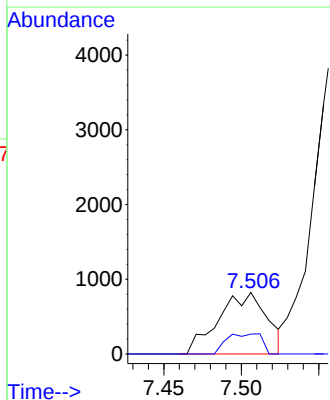
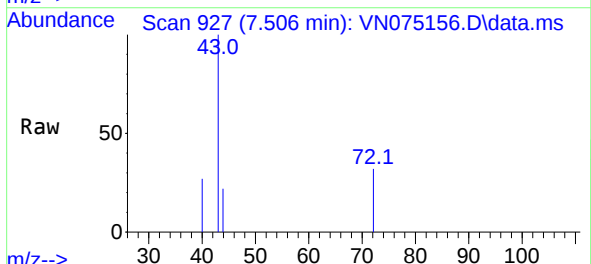
Ion	Ratio	Lower	Upper
84	100		
49	103.2	94.9	142.3
51	37.8	26.8	40.2
86	52.7	53.7	80.5#

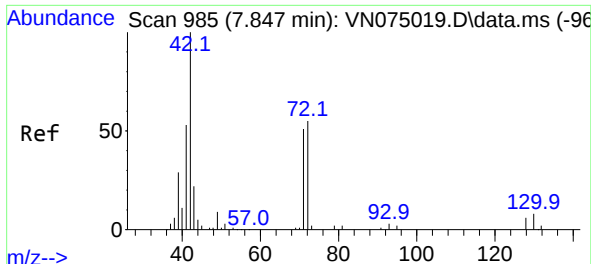


#25
2-Butanone
Concen: 2.145 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.012 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 43 Resp: 1793

Ion	Ratio	Lower	Upper
43	100		
72	32.4	25.5	38.3

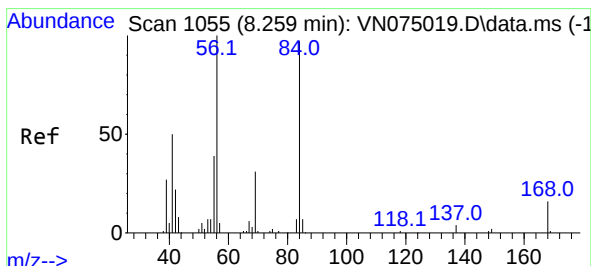
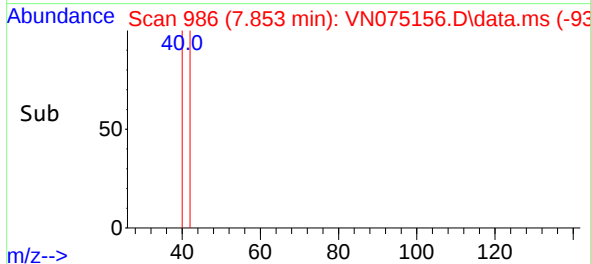
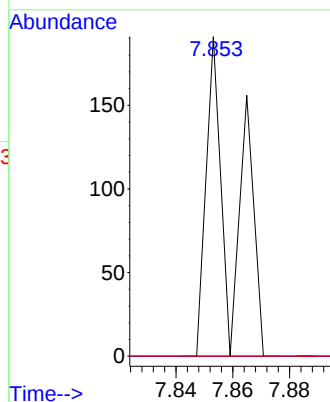
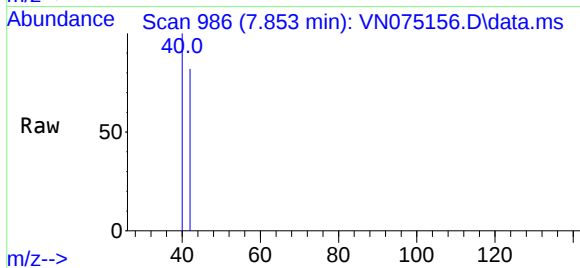




#29
Tetrahydrofuran
Concen: 0.226 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

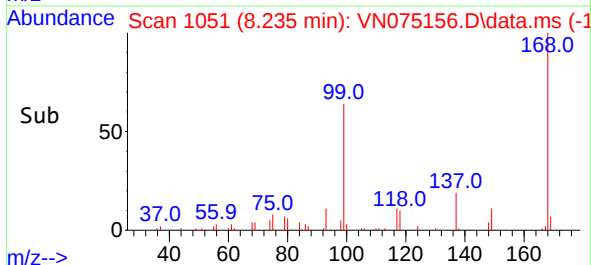
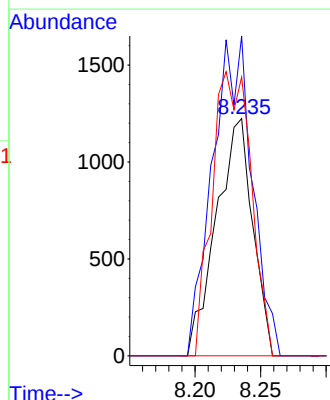
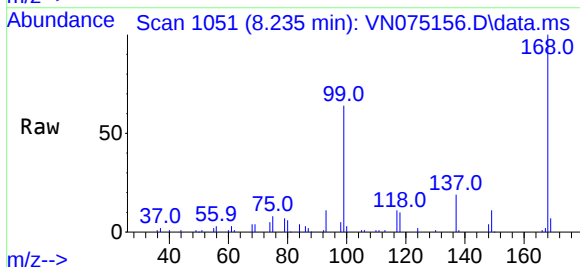
Instrument :
MSVOA_N
ClientSampleId :
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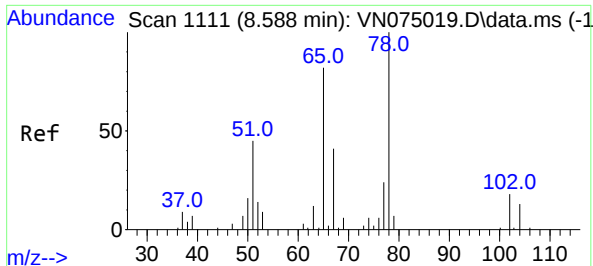
Tgt Ion: 42 Resp: 122
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.6#
71 0.0 39.9 59.9#



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 56 Resp: 2360
Ion Ratio Lower Upper
56 100
69 134.8 25.2 37.8#
84 117.5 77.8 116.8#

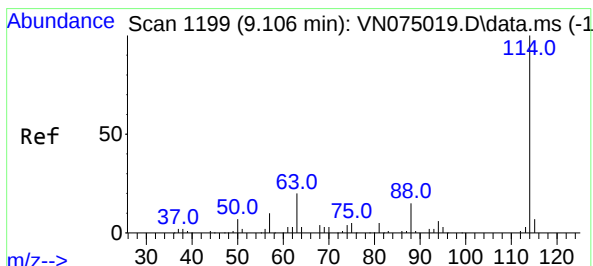
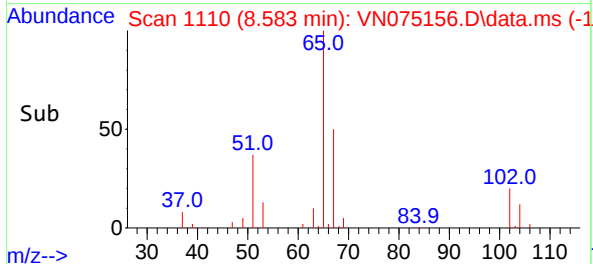
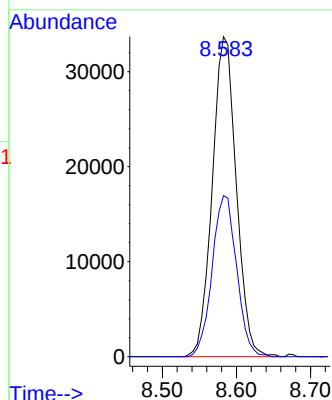
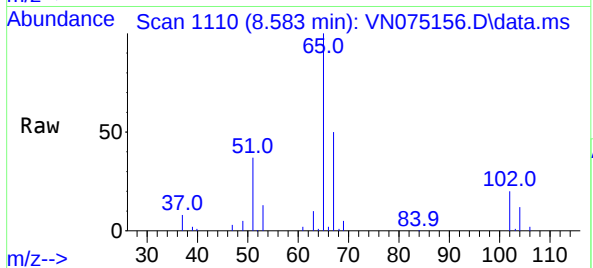




#33
1,2-Dichloroethane-d4
Concen: 60.305 ug/l
RT: 8.583 min Scan# 1111
Delta R.T. -0.005 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

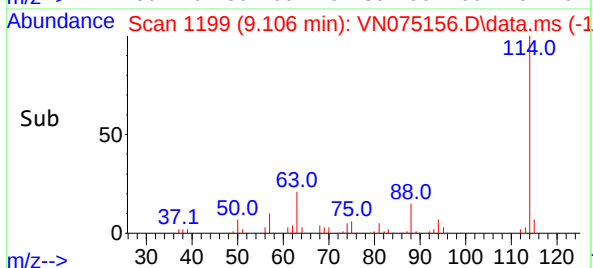
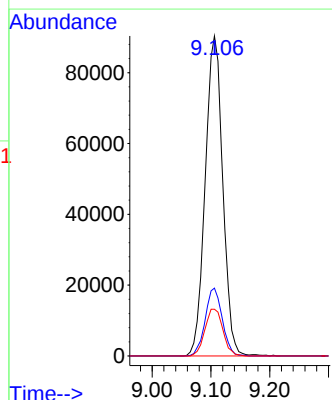
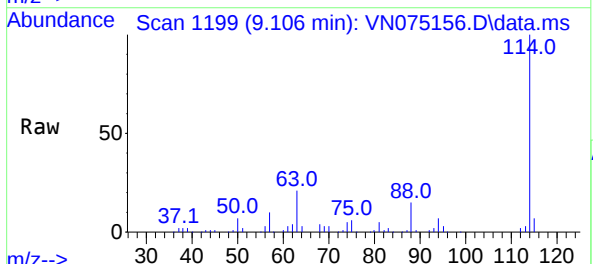
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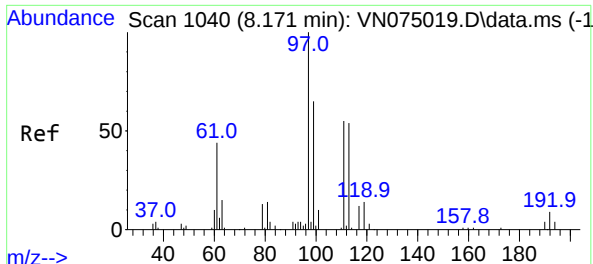
Tgt Ion: 65 Resp: 75688
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 114 Resp: 187340
Ion Ratio Lower Upper
114 100
63 21.2 0.0 39.6
88 14.6 0.0 29.0

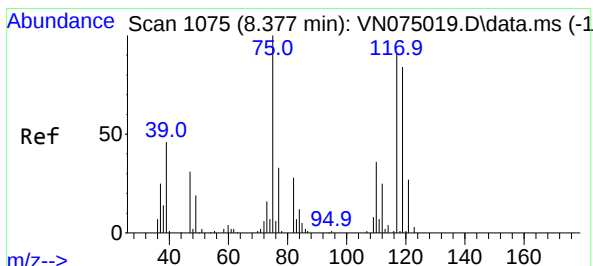
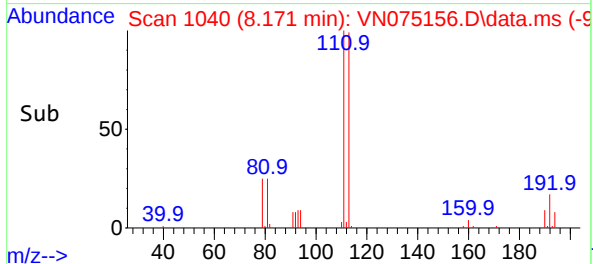
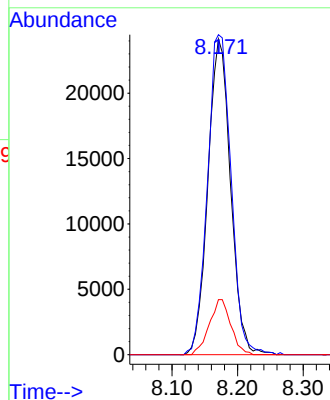
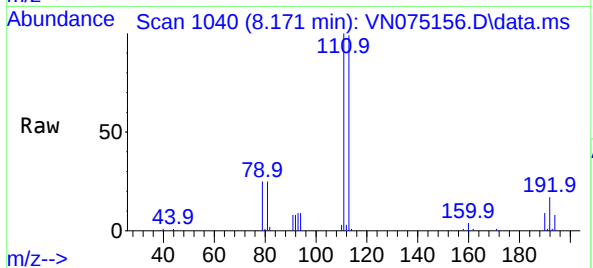




#35
Dibromofluoromethane
Concen: 52.622 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

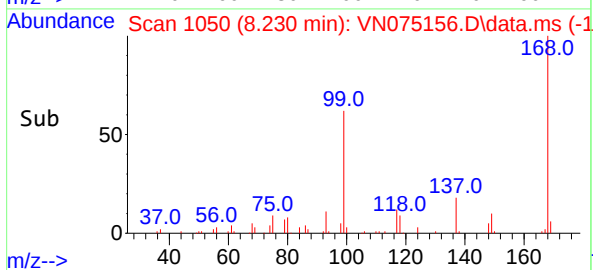
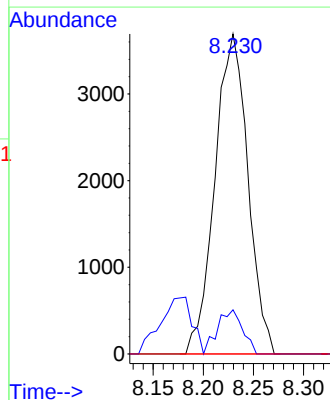
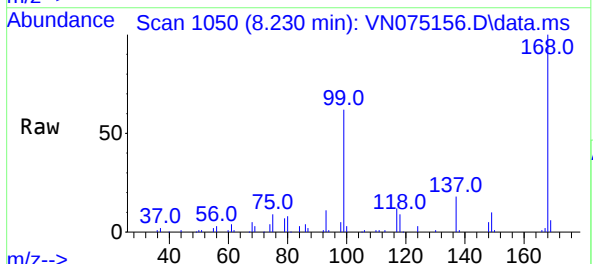
Instrument :
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ClientSampleId :
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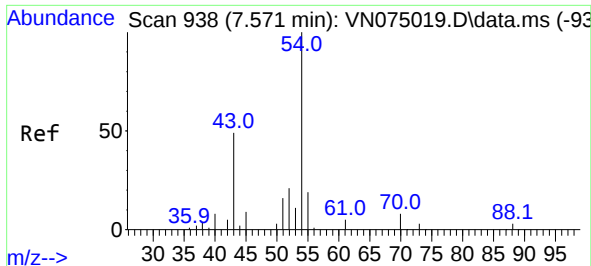
Tgt Ion:113 Resp: 57873
Ion Ratio Lower Upper
113 100
111 105.5 80.5 120.7
192 16.6 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.965 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 75 Resp: 8453
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.3#
77 0.0 24.6 37.0#

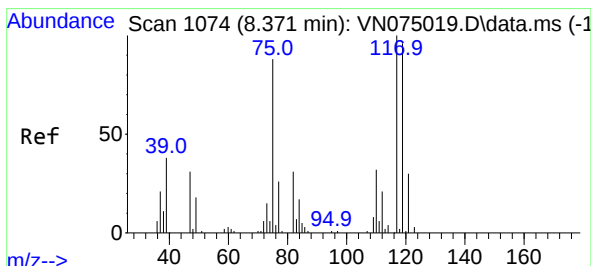
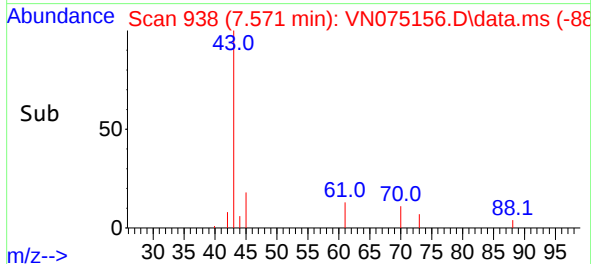
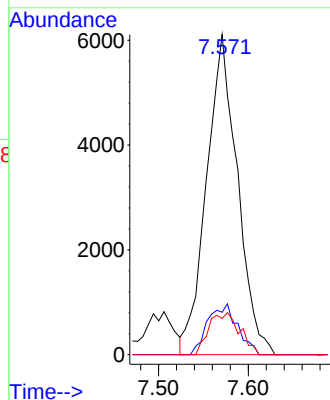
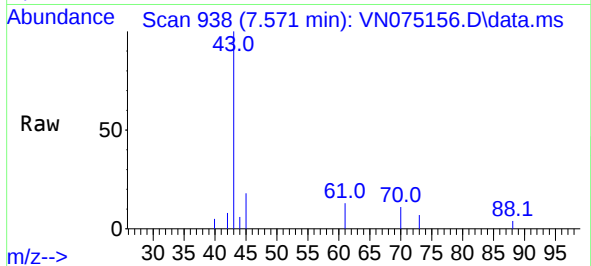




#37
Ethyl Acetate
Concen: 7.827 ug/l
RT: 7.571 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

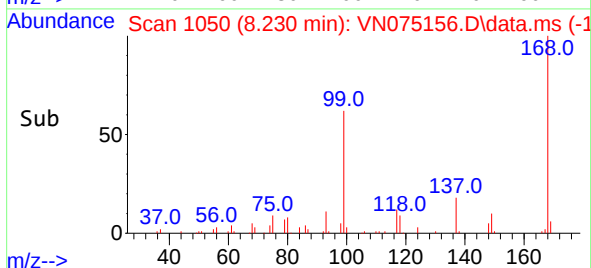
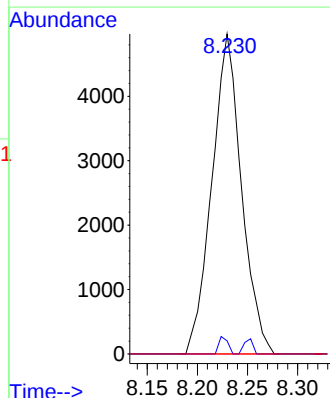
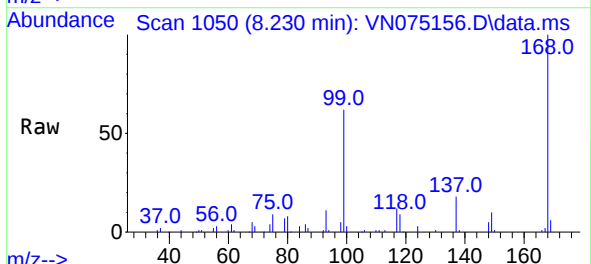
Instrument :
MSVOA_N
ClientSampleId :
TP-J

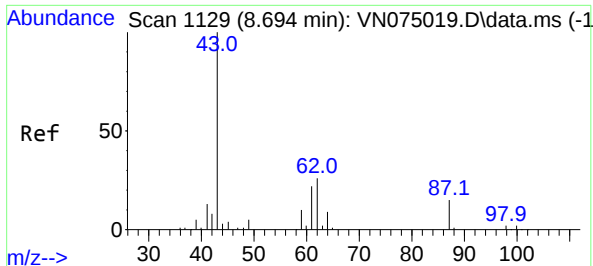
Tgt Ion:	43	Resp:	14616
Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.2	18.4
70	13.1	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.449 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion:	117	Resp:	10206
Ion	Ratio	Lower	Upper
117	100		
119	4.1	76.7	115.1#
121	0.0	23.9	35.9#

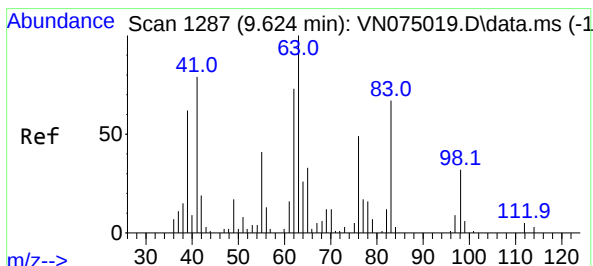
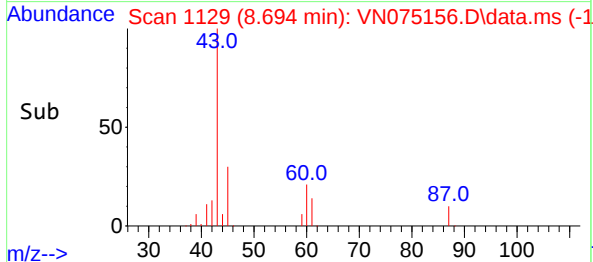
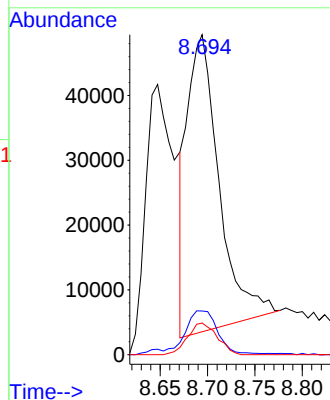
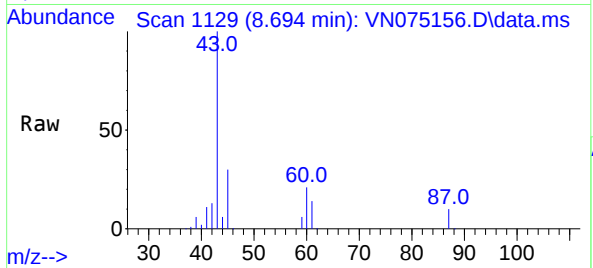




#43
Isopropyl Acetate
Concen: 37.252 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

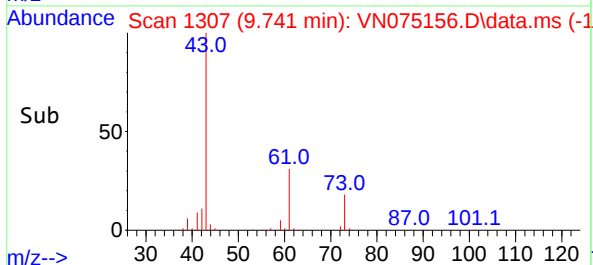
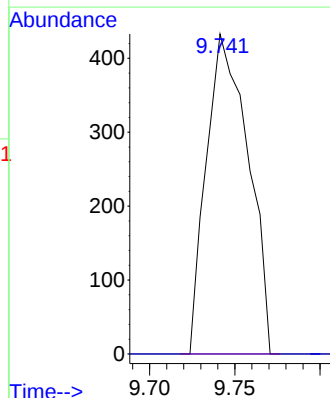
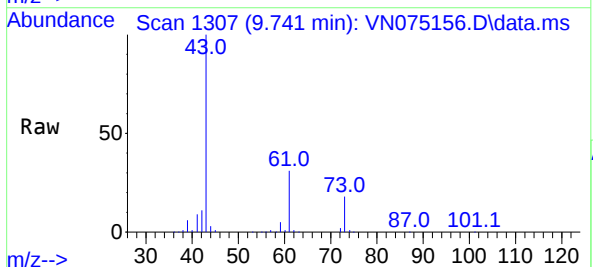
Instrument :
MSVOA_N
ClientSampleId :
TP-J

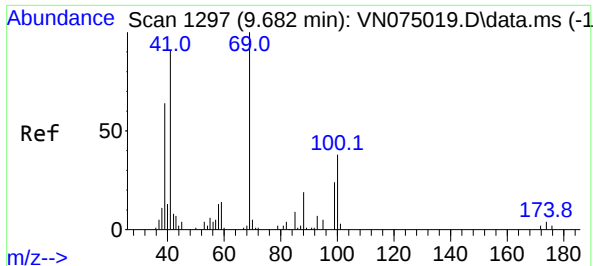
Tgt Ion: 43 Resp: 107897
Ion Ratio Lower Upper
43 100
61 15.9 22.4 33.6#
87 9.8 12.5 18.7#



#45
1,2-Dichloropropane
Concen: 0.595 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 63 Resp: 738
Ion Ratio Lower Upper
63 100
65 0.0 26.1 39.1#





#48

Methyl methacrylate

Concen: 1.689 ug/l

RT: 9.665 min Scan# 1297

Delta R.T. -0.017 min

Lab File: VN075156.D

Acq: 03 Nov 2022 20:01

Instrument :

MSVOA_N

ClientSampleId :

TP-J

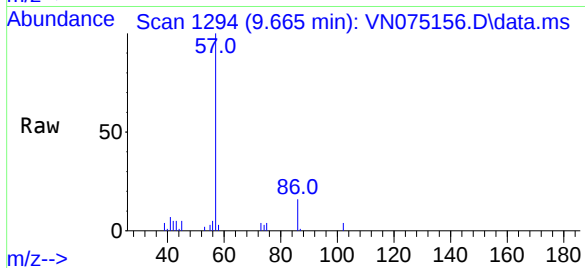
Tgt Ion: 41 Resp: 2244

Ion Ratio Lower Upper

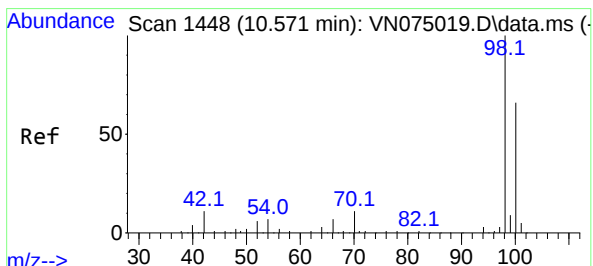
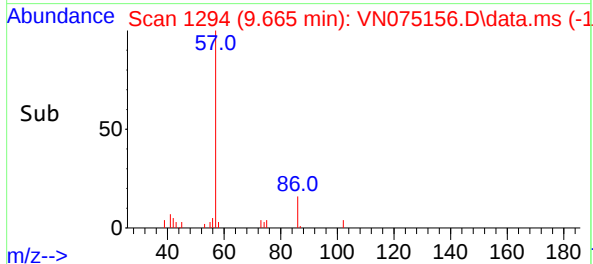
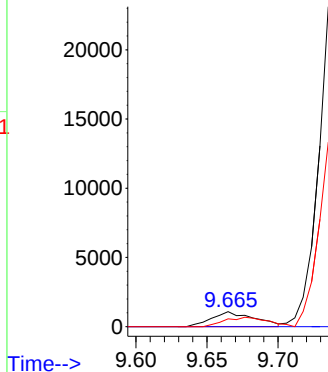
41 100

69 0.0 80.2 120.2#

39 63.9 56.2 84.2



Abundance



#50

Toluene-d8

Concen: 54.572 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075156.D

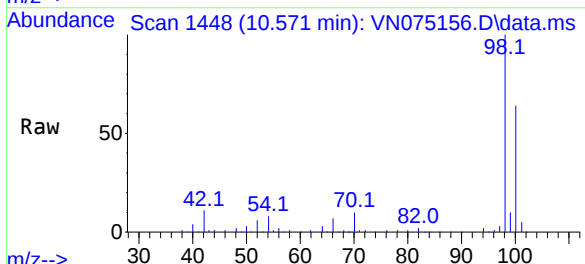
Acq: 03 Nov 2022 20:01

Tgt Ion: 98 Resp: 232849

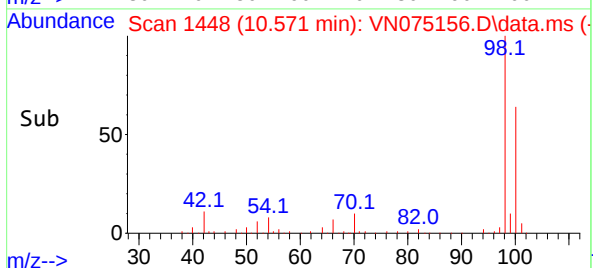
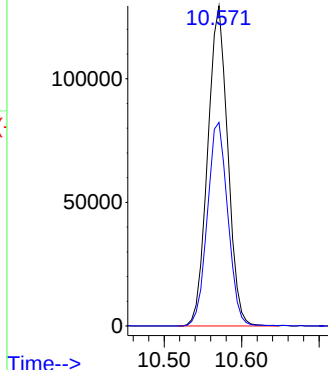
Ion Ratio Lower Upper

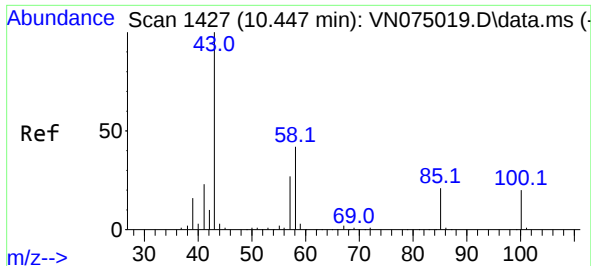
98 100

100 64.8 53.0 79.6



Abundance

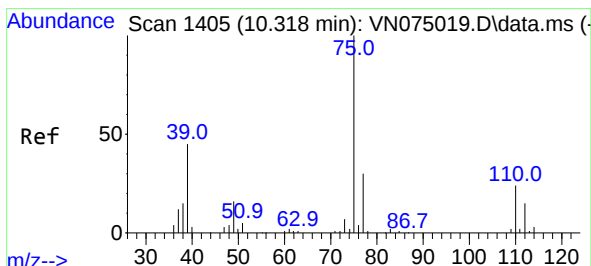
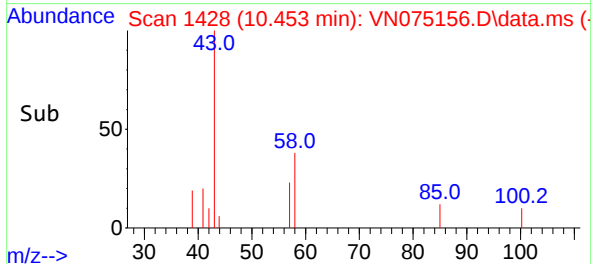
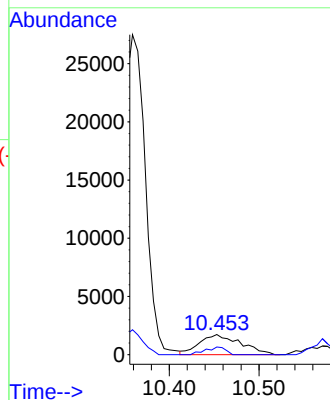
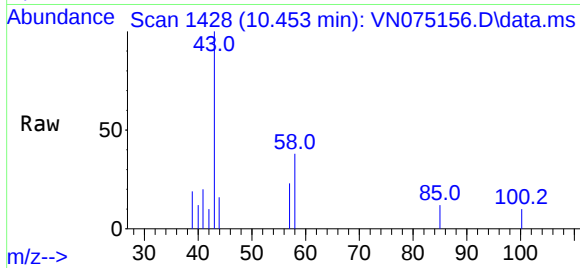




#51
4-Methyl-2-Pentanone
Concen: 2.946 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

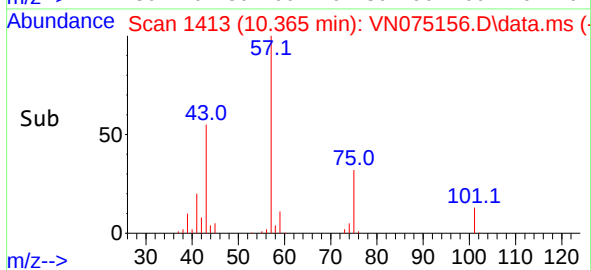
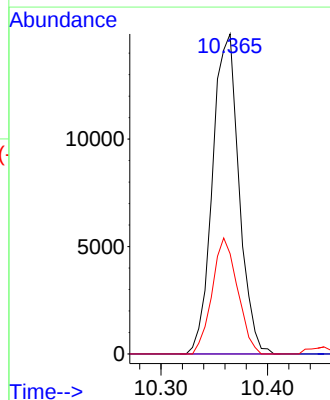
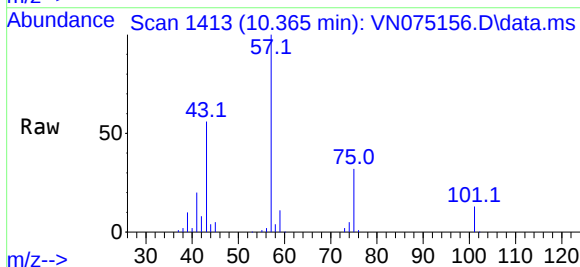
Instrument :
MSVOA_N
ClientSampleId :
TP-J

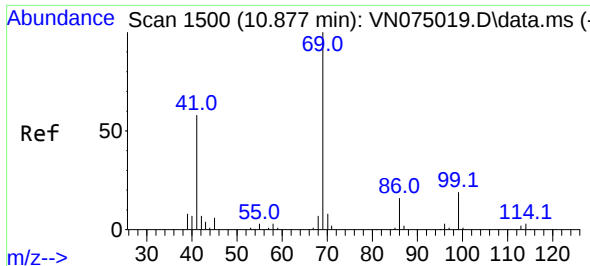
Tgt Ion: 43 Resp: 5506
Ion Ratio Lower Upper
43 100
58 18.7 33.6 50.4#



#54
cis-1,3-Dichloropropene
Concen: 12.247 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.047 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 75 Resp: 25663
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 31.3 35.8 53.6#

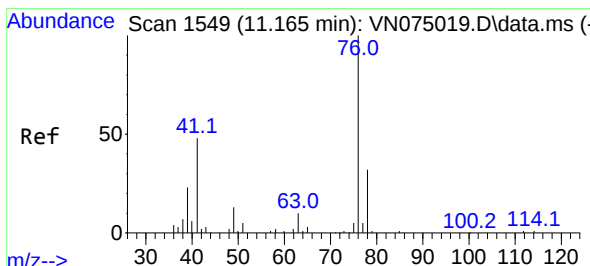
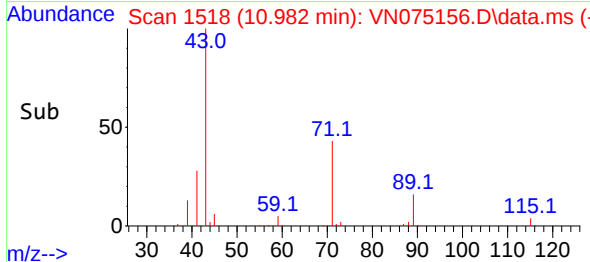
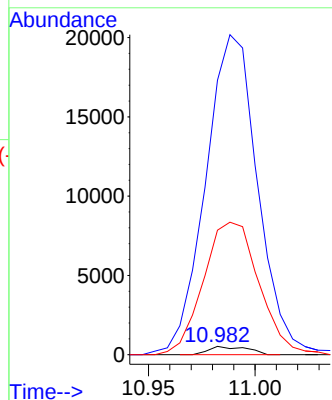
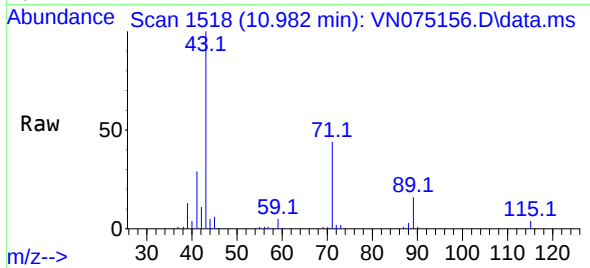




#56
Ethyl methacrylate
Concen: 0.307 ug/l
RT: 10.982 min Scan# 11
Delta R.T. 0.105 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

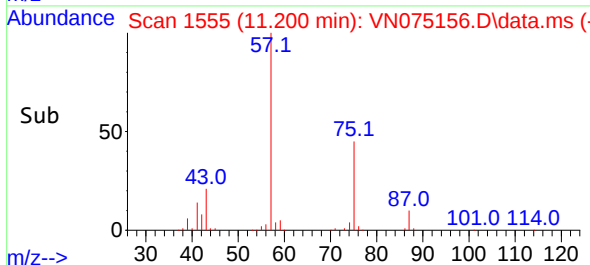
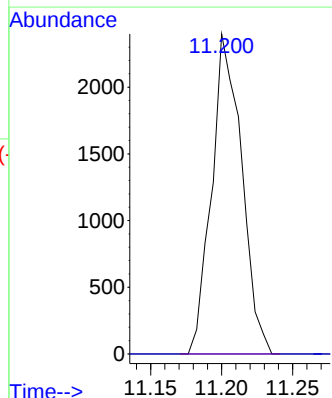
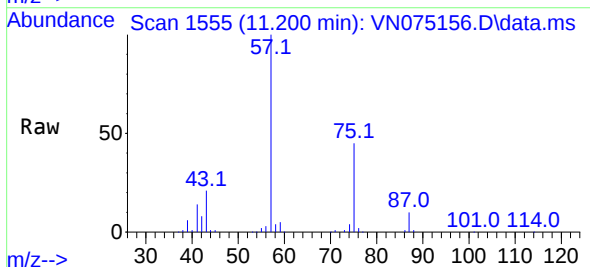
Instrument :
MSVOA_N
ClientSampleId :
TP-J

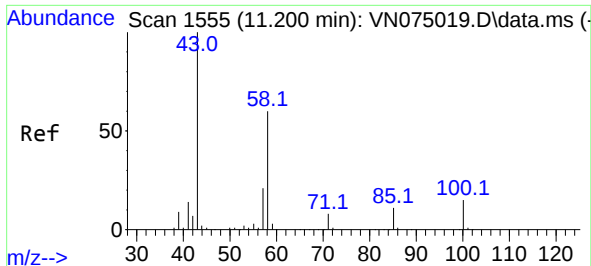
Tgt Ion: 69 Resp: 648
Ion Ratio Lower Upper
69 100
41 5350.8 45.6 68.4#
39 2344.8 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.530 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 76 Resp: 3521
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

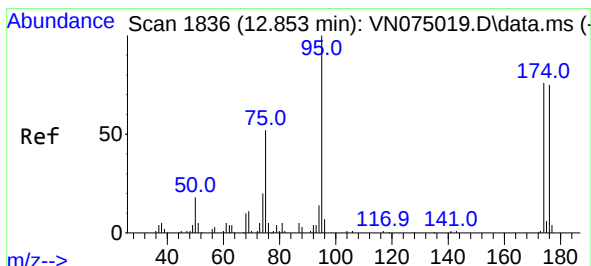
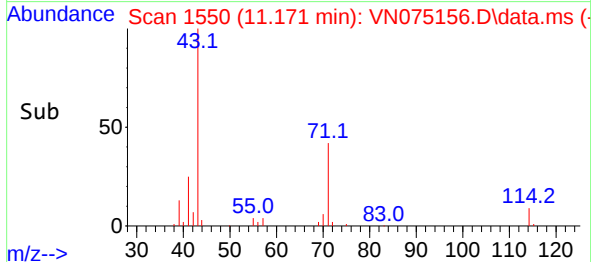
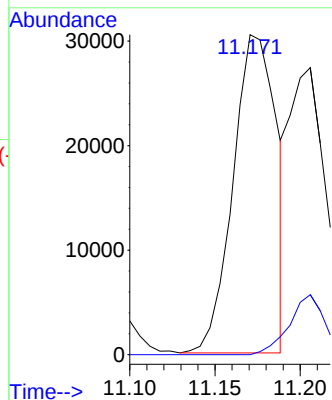
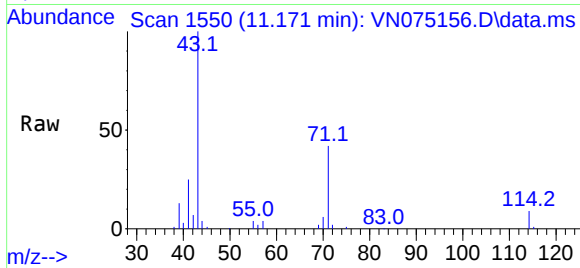




#59
2-Hexanone
Concen: 38.101 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

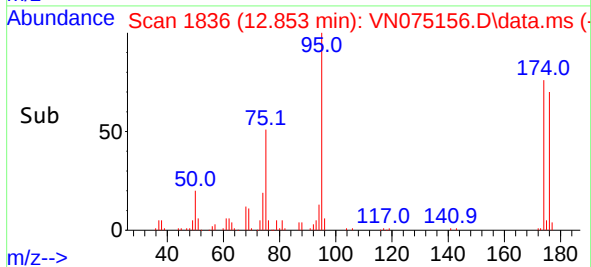
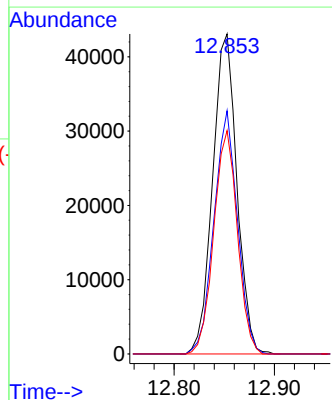
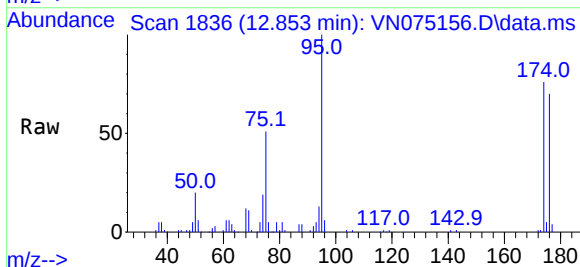
Instrument :
MSVOA_N
ClientSampleId :
TP-J

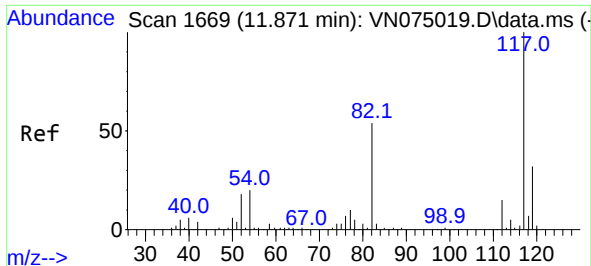
Tgt Ion: 43 Resp: 54048
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.312 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 95 Resp: 72413
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 67.9 0.0 142.2

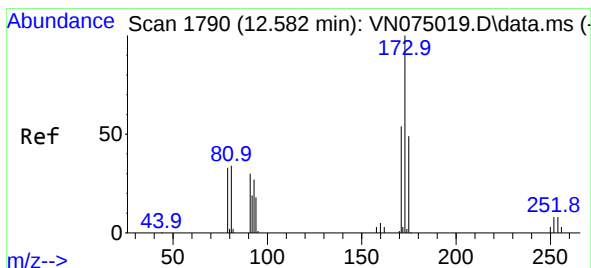
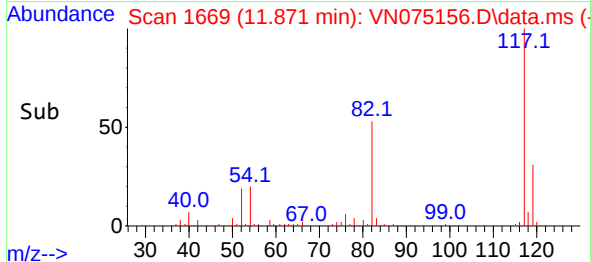
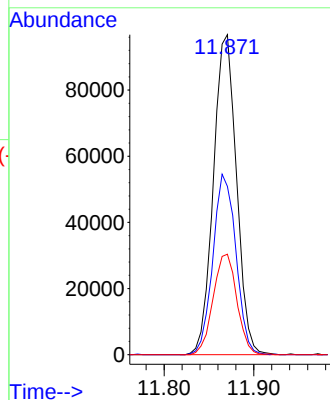
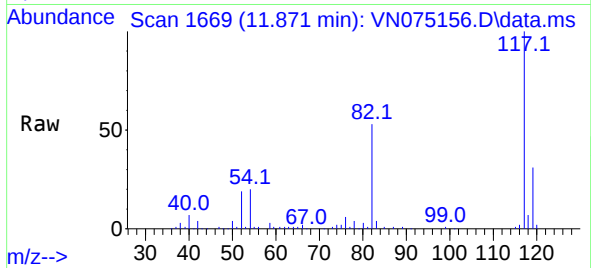




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

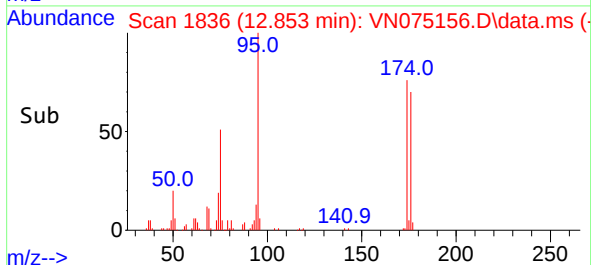
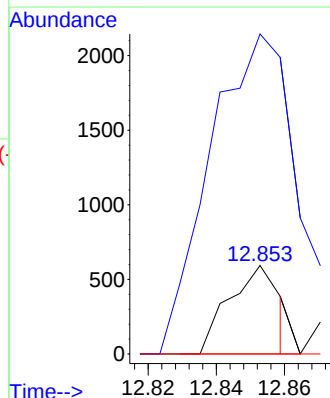
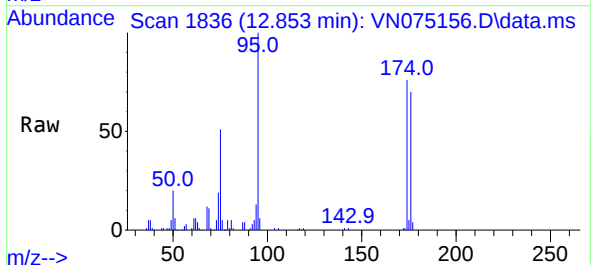
Instrument :
MSVOA_N
ClientSampleId :
TP-J

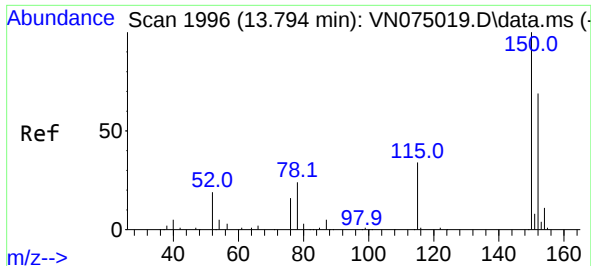
Tgt Ion:117 Resp: 172900
Ion Ratio Lower Upper
117 100
82 52.6 43.1 64.7
119 31.4 25.5 38.3



#71
Bromoform
Concen: 0.594 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion:173 Resp: 609
Ion Ratio Lower Upper
173 100
175 529.9 24.6 74.0#
254 0.0 0.0 0.0

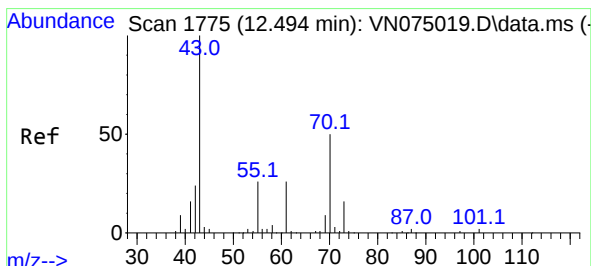
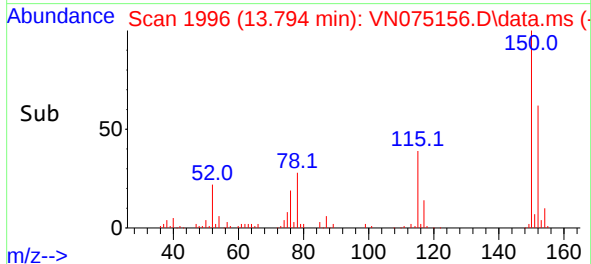
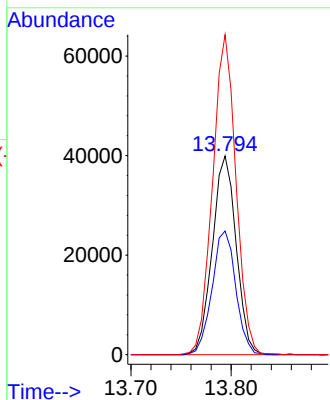
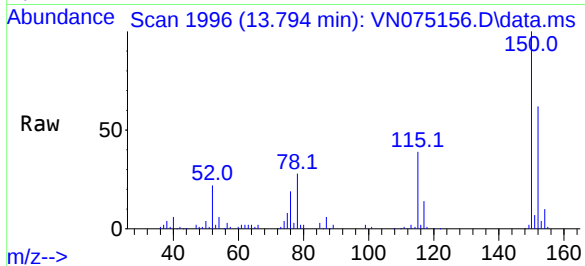




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

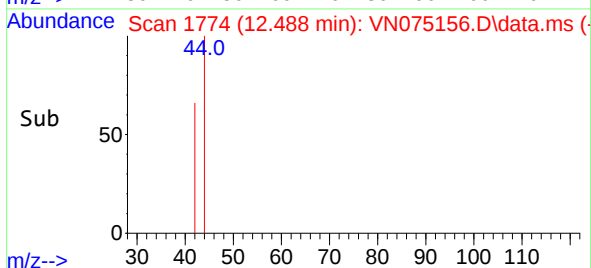
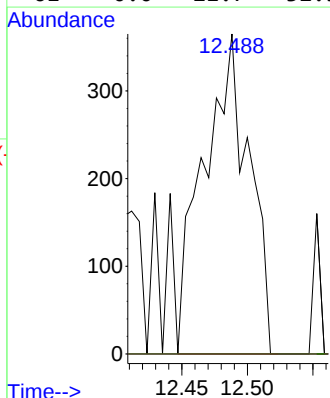
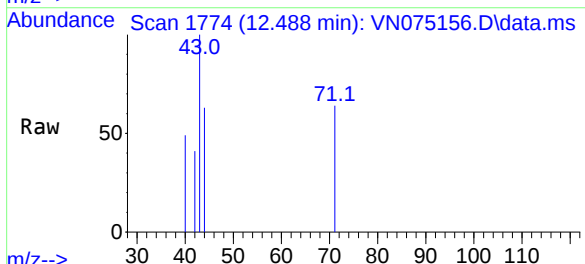
Instrument :
MSVOA_N
ClientSampleId :
TP-J

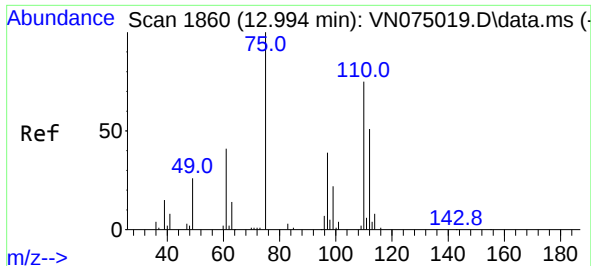
Tgt Ion:152 Resp: 65944
Ion Ratio Lower Upper
152 100
115 62.0 30.2 90.6
150 158.0 0.0 348.4



#74
N-ethyl acetate
Concen: 0.450 ug/l
RT: 12.488 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 43 Resp: 881
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#

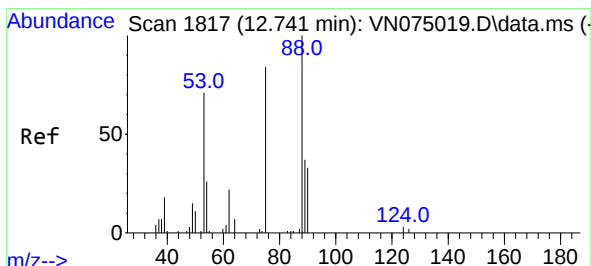
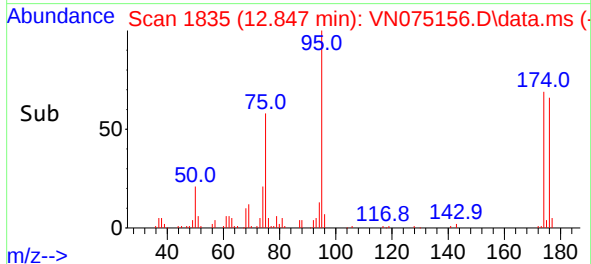
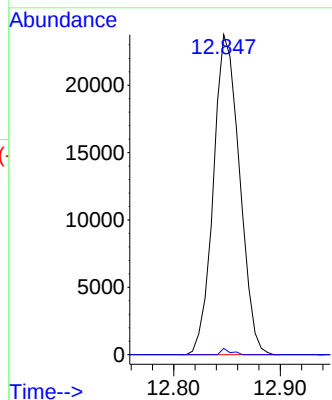
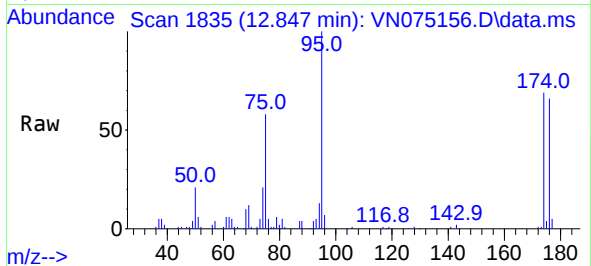




#76
1,2,3-Trichloropropane
Concen: 28.913 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Instrument :
MSVOA_N
ClientSampleId :
TP-J

Tgt Ion: 75 Resp: 40483
Ion Ratio Lower Upper
75 100
77 0.7 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.219 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075156.D
Acq: 03 Nov 2022 20:01

Tgt Ion: 75 Resp: 40483
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

