

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075040.D
 Acq On : 27 Oct 2022 14:55
 Operator : JC\MD
 Sample : N5271-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 28 02:14:33 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)

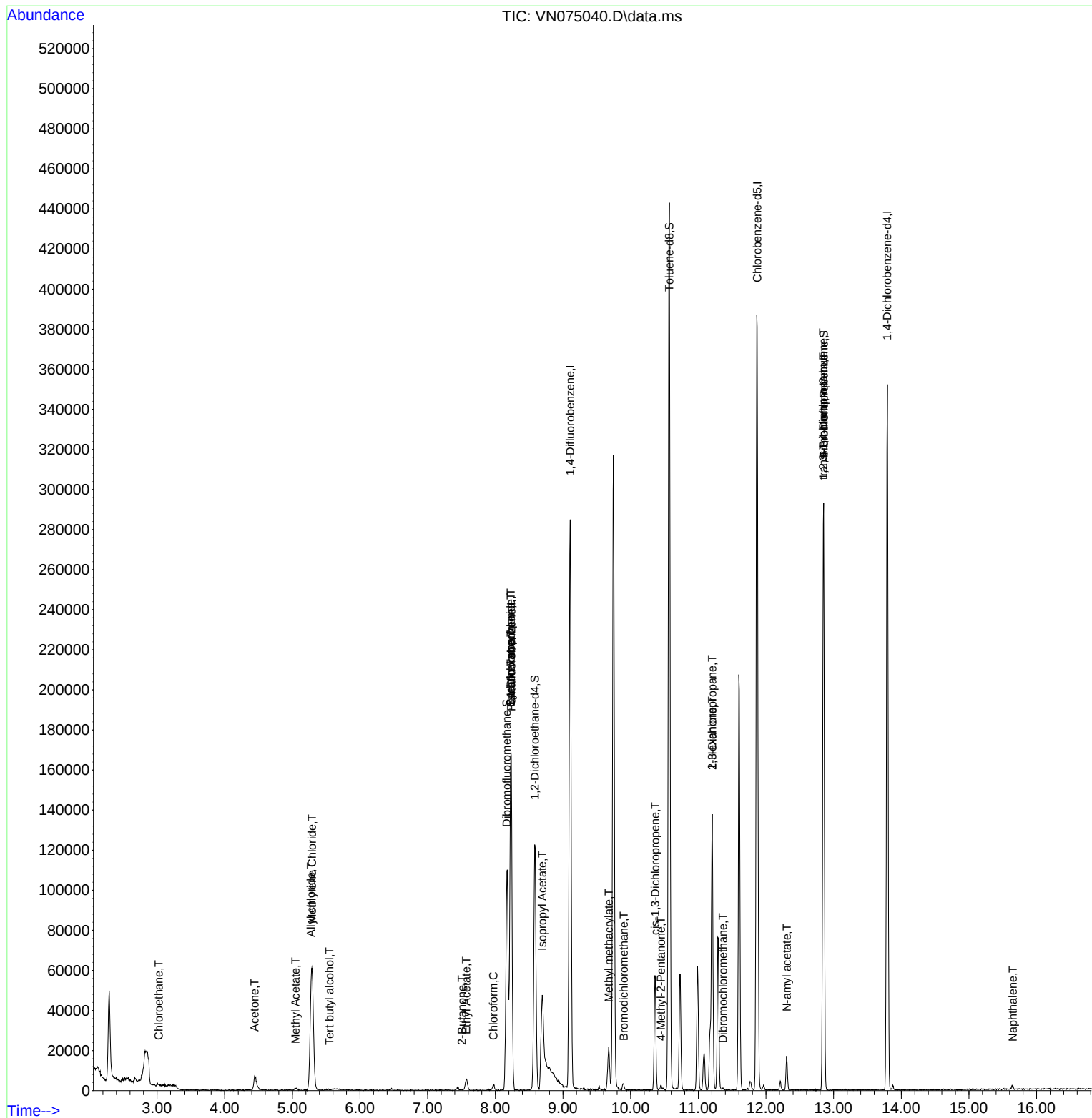
Internal Standards						
1) Pentafluorobenzene	8.236	168	122916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	243893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	226993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	100983	60.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.940%			
35) Dibromofluoromethane	8.171	113	77371	54.039	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.080%			
50) Toluene-d8	10.571	98	309455	55.708	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.420%			
62) 4-Bromofluorobenzene	12.853	95	98778	50.621	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.240%			
Target Compounds					Qvalue	
5) Bromomethane	2.936	94	69	Below Cal	#	5
6) Chloroethane	3.024	64	825	0.475	ug/l #	45
11) Tert butyl alcohol	5.548	59	113	0.293	ug/l #	72
14) Allyl chloride	5.277	41	1213	0.637	ug/l #	19
16) Acetone	4.442	43	13617	19.418	ug/l	100
18) Methyl Acetate	5.048	43	2173	0.949	ug/l #	57
20) Methylene Chloride	5.289	84	51466	32.916	ug/l	97
25) 2-Butanone	7.506	43	744	0.675	ug/l #	43
30) Chloroform	7.971	83	2703	0.937	ug/l #	80
31) Cyclohexane	8.230	56	2802	1.138	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	11287	5.092	ug/l #	48
37) Ethyl Acetate	7.571	43	8680	3.571	ug/l #	95
38) Carbon Tetrachloride	8.230	117	13536	5.551	ug/l #	16
43) Isopropyl Acetate	8.694	43	71600	18.988	ug/l #	70
47) Bromodichloromethane	9.900	83	1582	0.649	ug/l #	92
48) Methyl methacrylate	9.677	41	1368	0.791	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	2177	0.895	ug/l #	71
54) cis-1,3-Dichloropropene	10.365	75	11558	4.237	ug/l #	71
57) 1,3-Dichloropropane	11.206	76	1417	0.473	ug/l #	42
59) 2-Hexanone	11.206	43	17958	9.724	ug/l #	50
60) Dibromochloromethane	11.365	129	521	0.275	ug/l	96
71) Bromoform	12.853	173	652	0.485	ug/l #	1
74) N-amyl acetate	12.306	43	5164	1.893	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	55075	28.236	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	55075	72.483	ug/l #	10
95) Naphthalene	15.647	128	2285	0.437	ug/l #	94

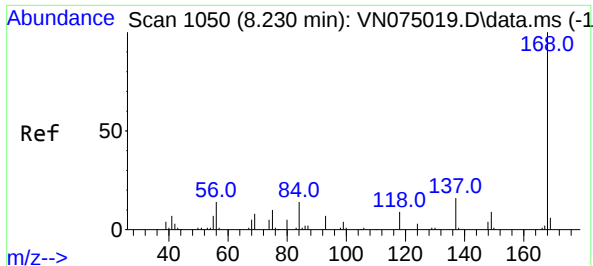
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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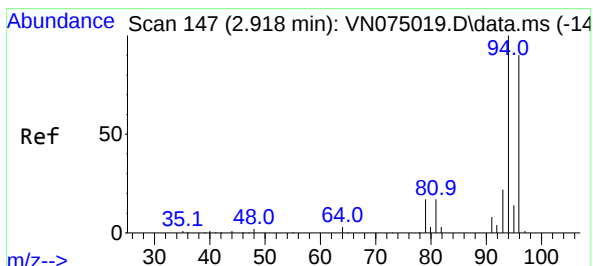
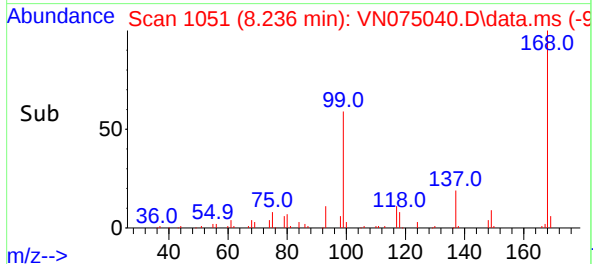
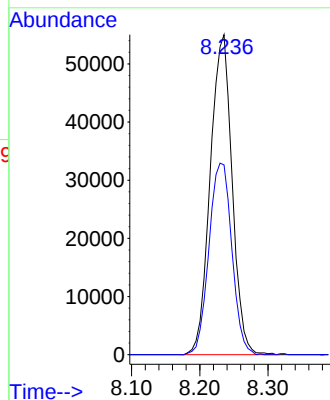
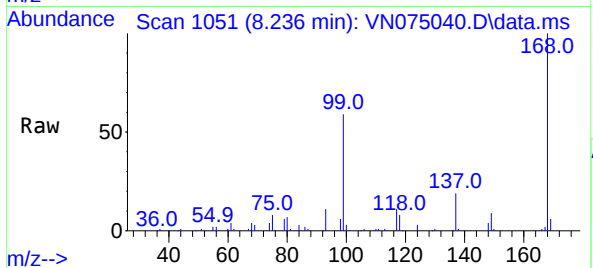




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

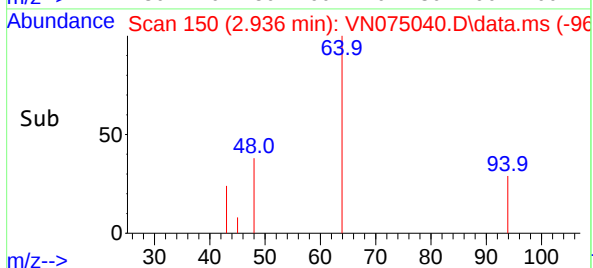
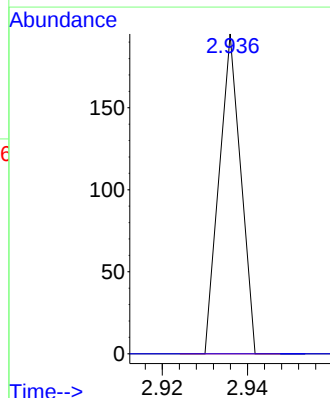
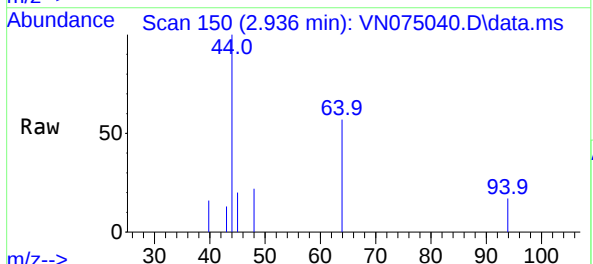
Instrument :
MSVOA_N
ClientSampleId :

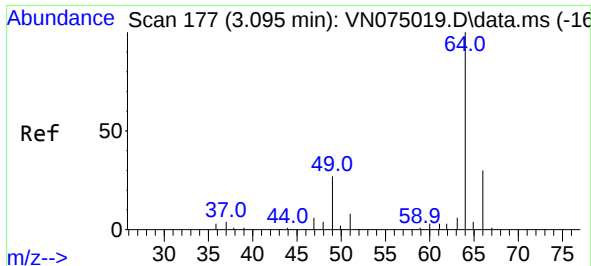
Tgt Ion:168 Resp: 122916
Ion Ratio Lower Upper
168 100
99 59.3 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.936 min Scan# 150
Delta R.T. 0.018 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion: 94 Resp: 69
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

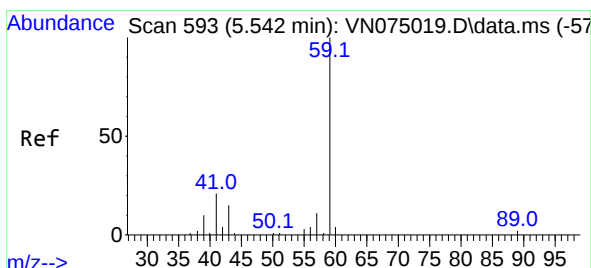
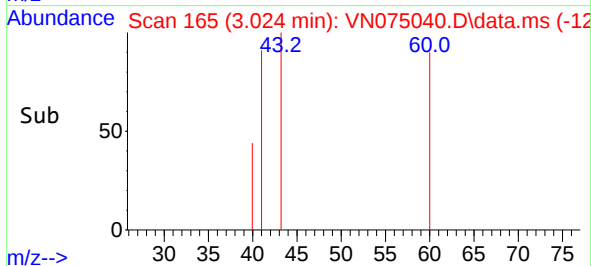
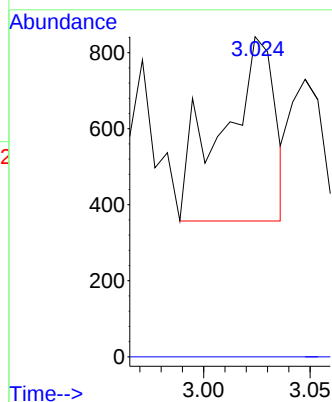
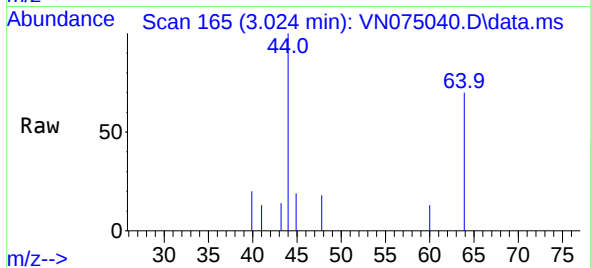




#6
Chloroethane
Concen: 0.475 ug/l
RT: 3.024 min Scan# 1
Delta R.T. -0.071 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

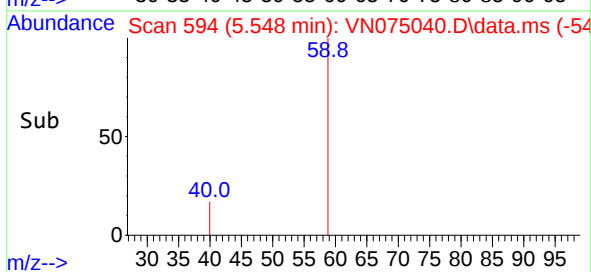
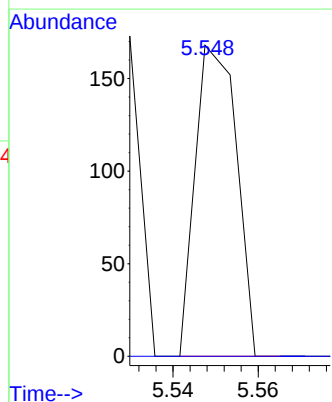
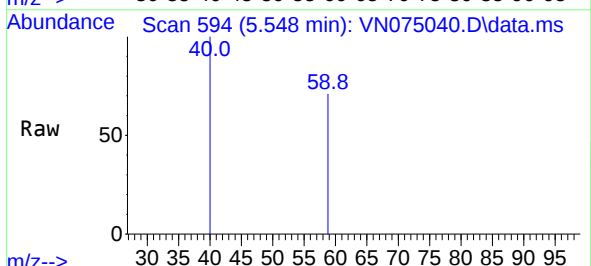
Instrument :
MSVOA_N
ClientSampleId :

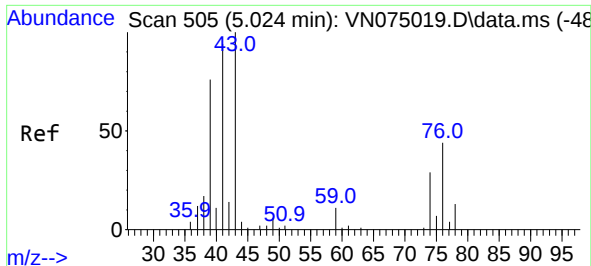
Tgt Ion: 64 Resp: 825
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#11
Tert butyl alcohol
Concen: 0.293 ug/l
RT: 5.548 min Scan# 594
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

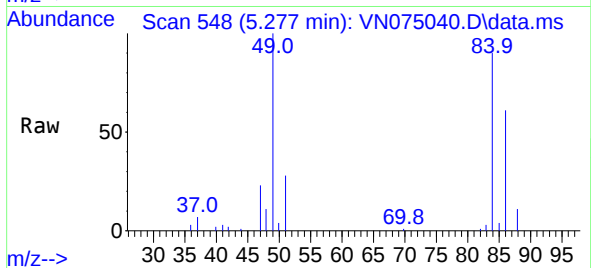
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





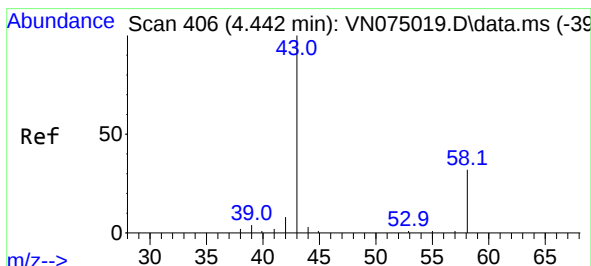
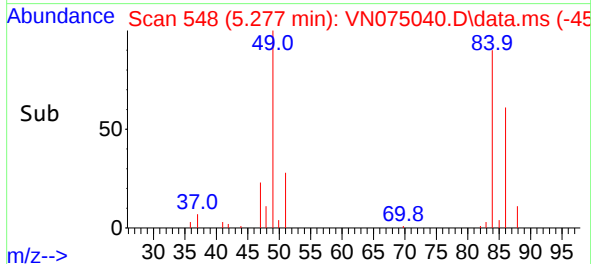
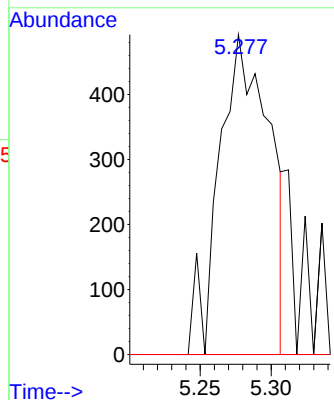
#14
 Allyl chloride
 Concen: 0.637 ug/l
 RT: 5.277 min Scan# 54
 Delta R.T. 0.253 min
 Lab File: VN075040.D
 Acq: 27 Oct 2022 14:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 41 Resp: 1213

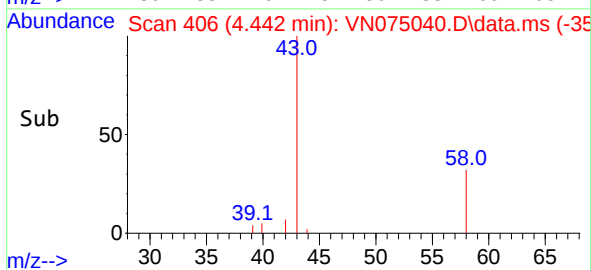
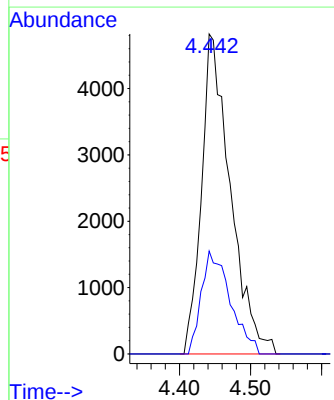
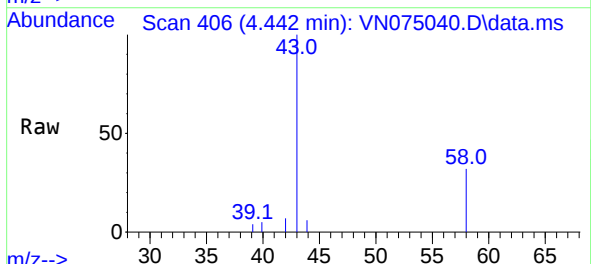
Ion	Ratio	Lower	Upper
41	100		
39	0.0	61.0	91.4#
76	0.0	33.4	50.0#

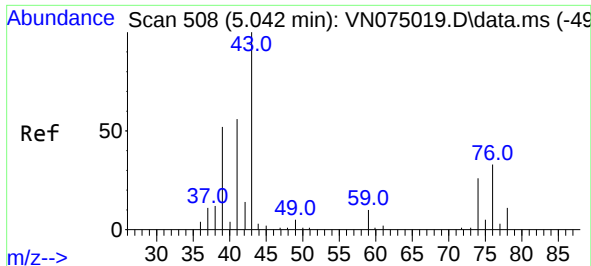


#16
 Acetone
 Concen: 19.418 ug/l
 RT: 4.442 min Scan# 406
 Delta R.T. -0.000 min
 Lab File: VN075040.D
 Acq: 27 Oct 2022 14:55

Tgt Ion: 43 Resp: 13617

Ion	Ratio	Lower	Upper
43	100		
58	32.2	25.5	38.3

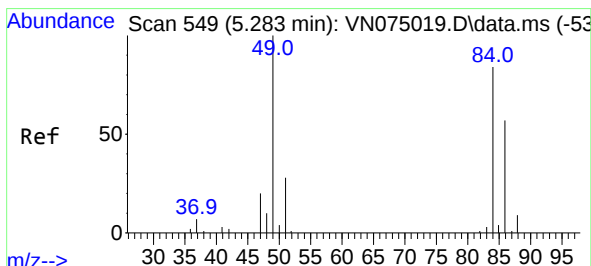
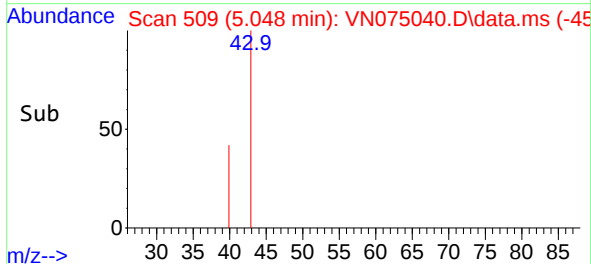
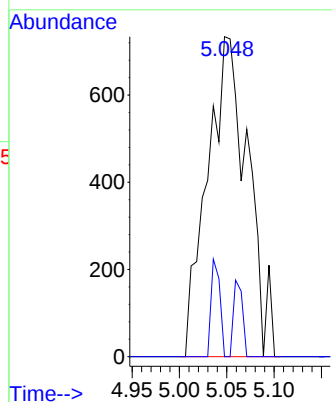
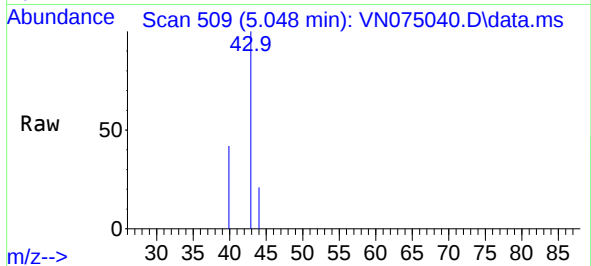




#18
Methyl Acetate
Concen: 0.949 ug/l
RT: 5.048 min Scan# 508
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

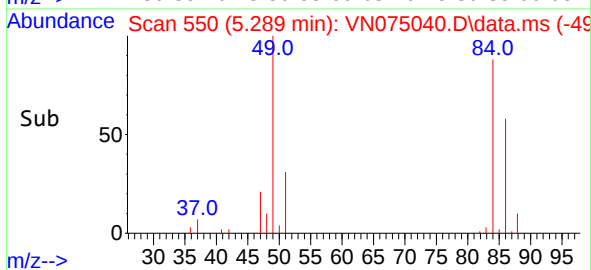
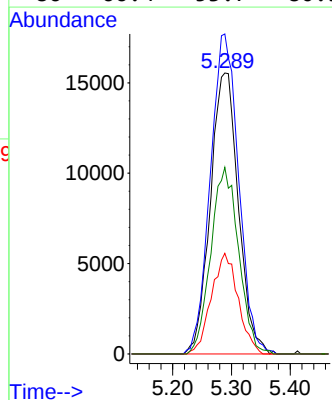
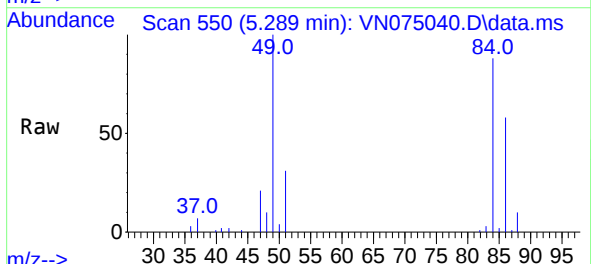
Instrument :
MSVOA_N
ClientSampleId :

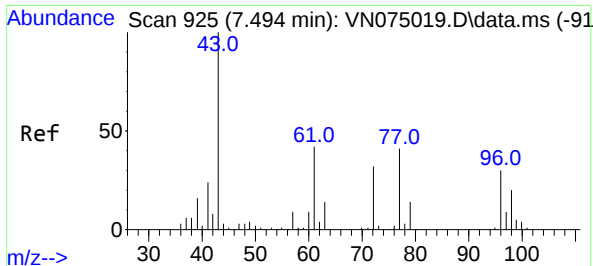
Tgt Ion: 43 Resp: 2173
Ion Ratio Lower Upper
43 100
74 5.3 22.0 33.0#



#20
Methylene Chloride
Concen: 32.916 ug/l
RT: 5.289 min Scan# 550
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion: 84 Resp: 51466
Ion Ratio Lower Upper
84 100
49 113.9 94.9 142.3
51 35.8 26.8 40.2
86 66.4 53.7 80.5





#25

2-Butanone

Concen: 0.675 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN075040.D

Acq: 27 Oct 2022 14:55

Instrument :

MSVOA_N

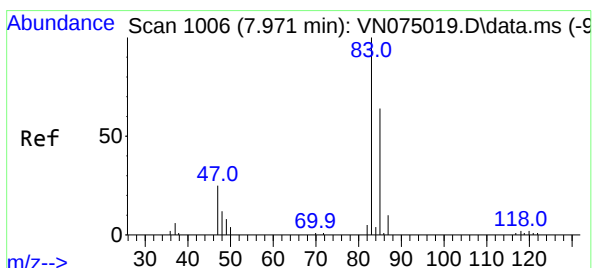
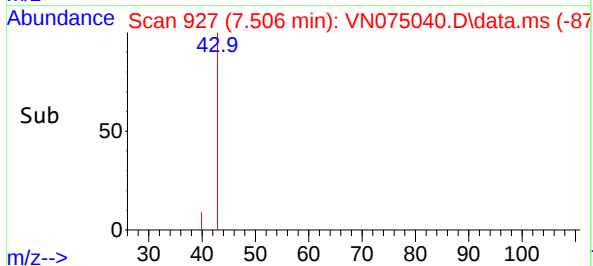
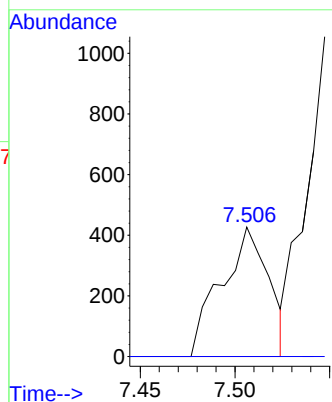
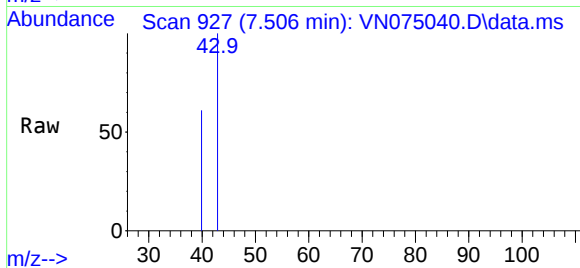
ClientSampleId :

Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

72 0.0 25.5 38.3#



#30

Chloroform

Concen: 0.937 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN075040.D

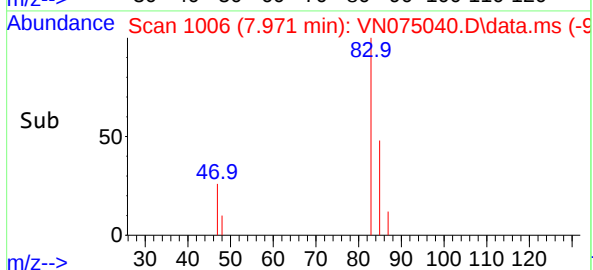
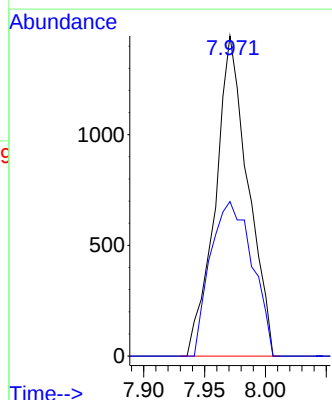
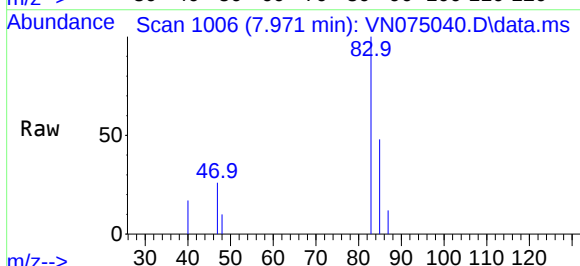
Acq: 27 Oct 2022 14:55

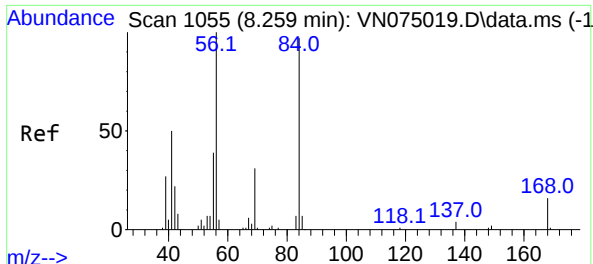
Tgt Ion: 83 Resp: 2703

Ion Ratio Lower Upper

83 100

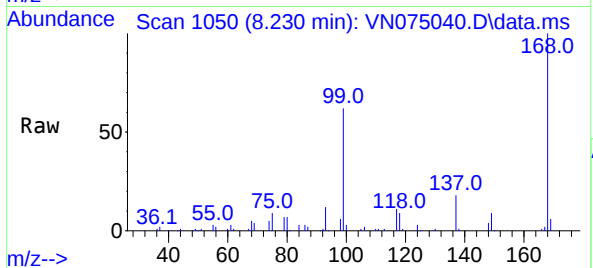
85 48.3 51.4 77.0#



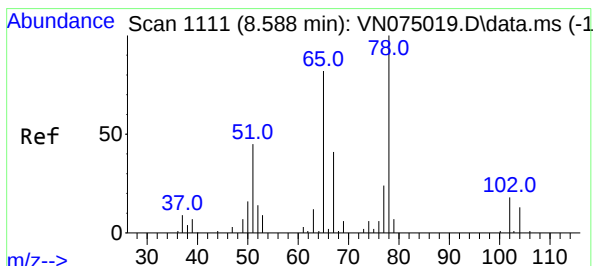
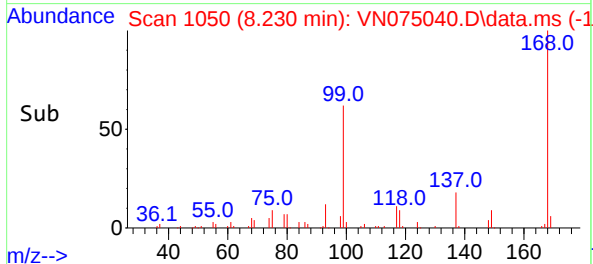
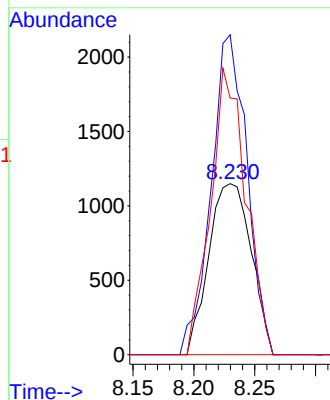


#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.230 min Scan# 1105
Delta R.T. -0.029 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Instrument :
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ClientSampleId :

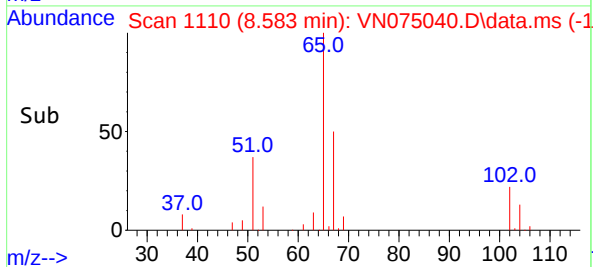
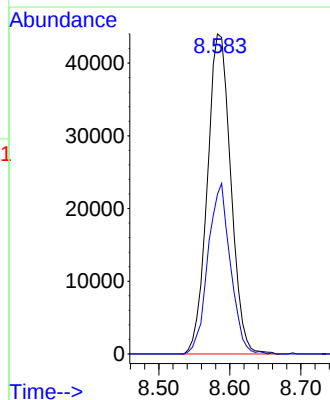
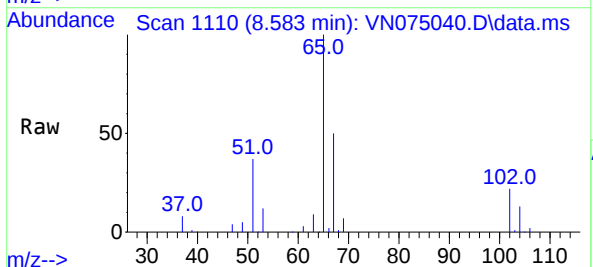


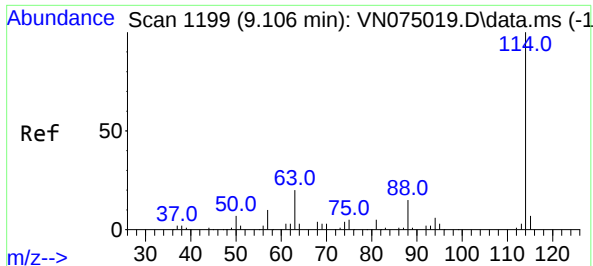
Tgt Ion: 56 Resp: 2802
Ion Ratio Lower Upper
56 100
69 187.1 25.2 37.8#
84 150.0 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 60.975 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

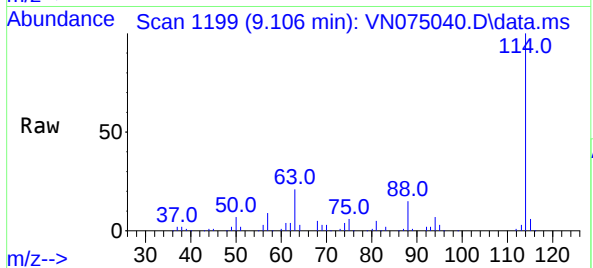
Tgt Ion: 65 Resp: 100983
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.0



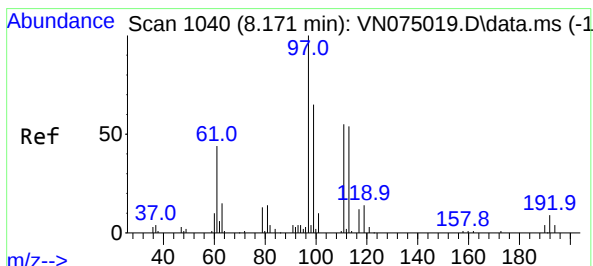
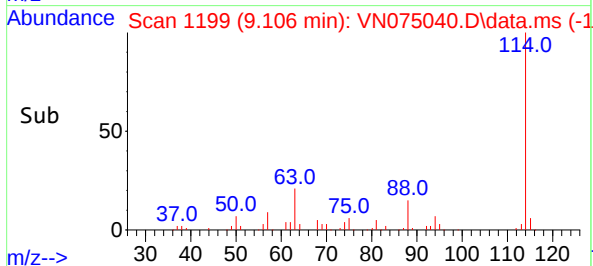
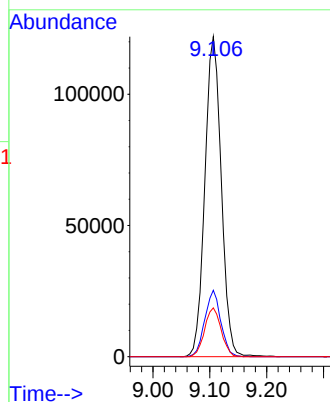


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Instrument :
MSVOA_N
ClientSampleId :

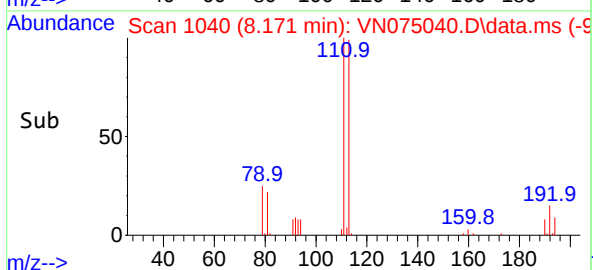
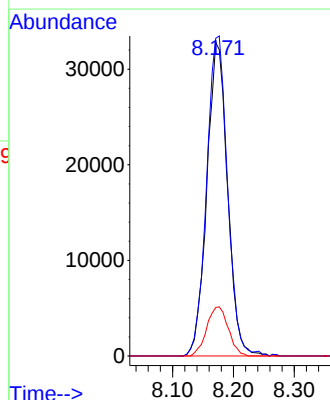
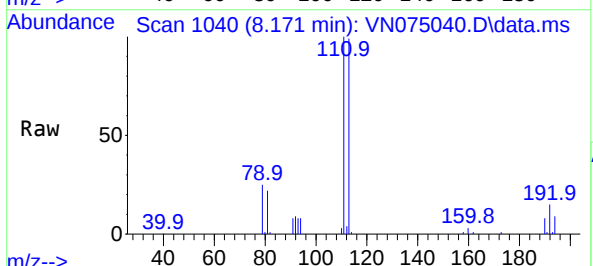


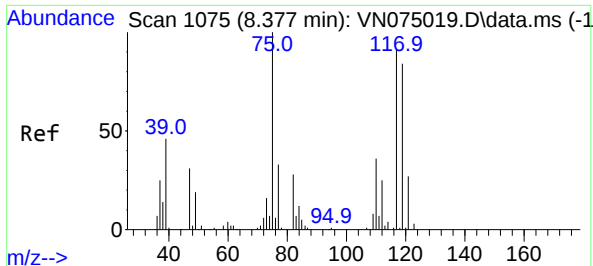
Tgt Ion:114 Resp: 243893
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 15.2 0.0 29.0



#35
Dibromofluoromethane
Concen: 54.039 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion:113 Resp: 77371
Ion Ratio Lower Upper
113 100
111 103.5 80.5 120.7
192 16.3 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.092 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075040.D

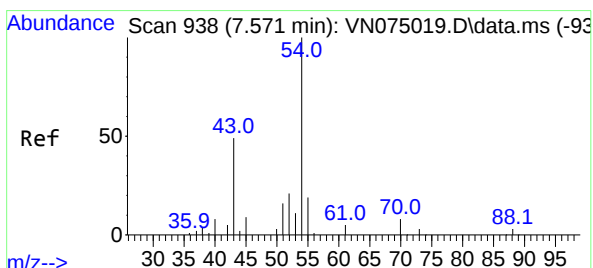
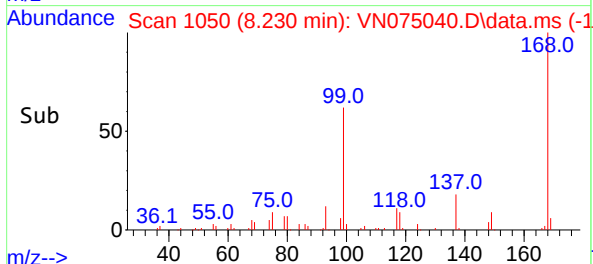
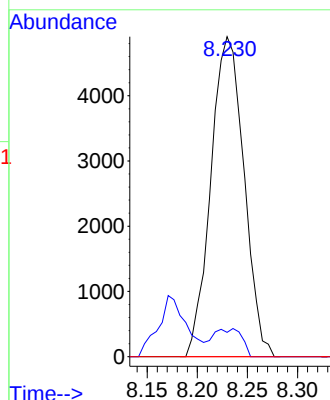
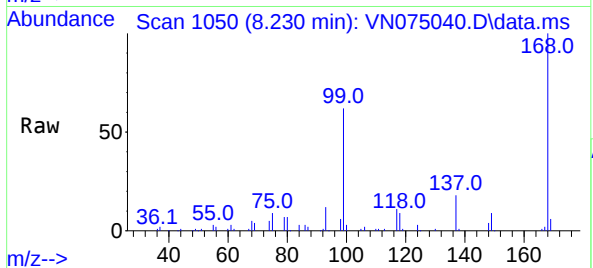
Acq: 27 Oct 2022 14:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	11287
Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.8	53.3#
77	0.0	24.6	37.0#



#37

Ethyl Acetate

Concen: 3.571 ug/l

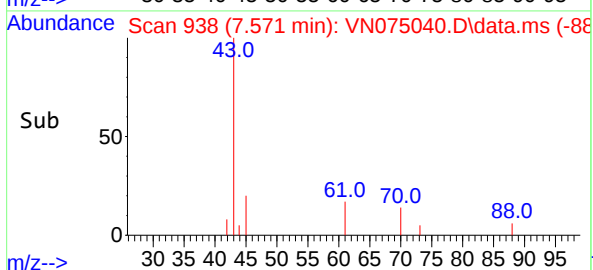
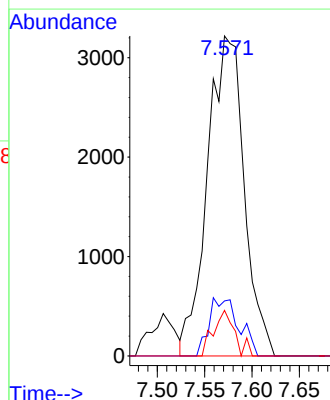
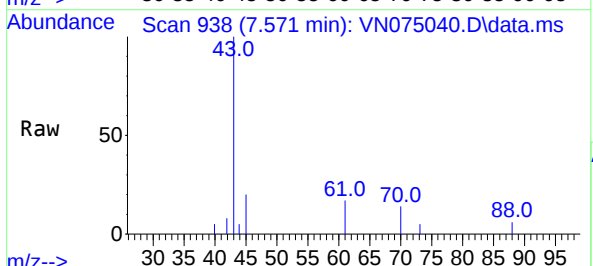
RT: 7.571 min Scan# 938

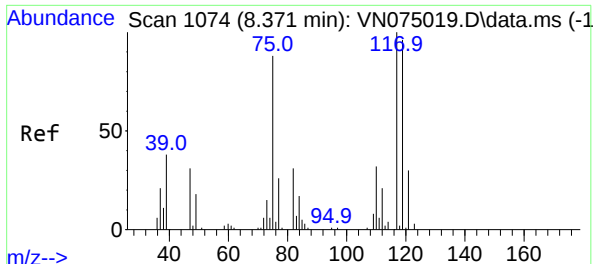
Delta R.T. -0.000 min

Lab File: VN075040.D

Acq: 27 Oct 2022 14:55

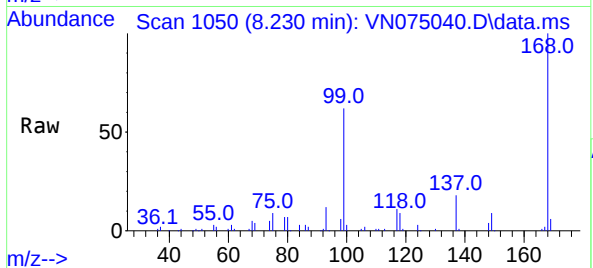
Tgt Ion:	43	Resp:	8680
Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.4
70	8.2	9.4	14.2#



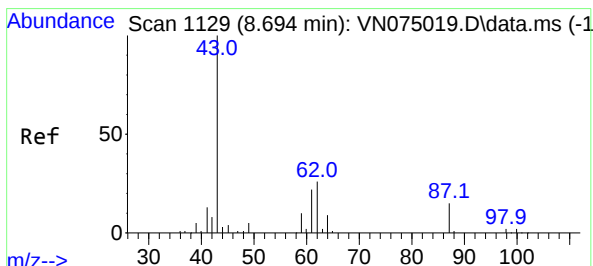
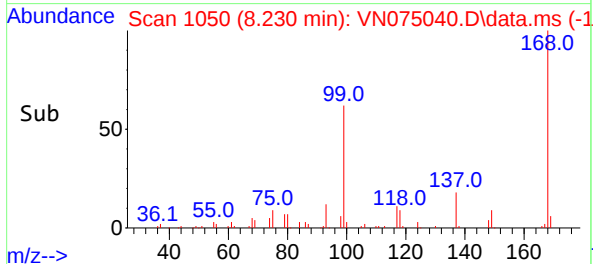
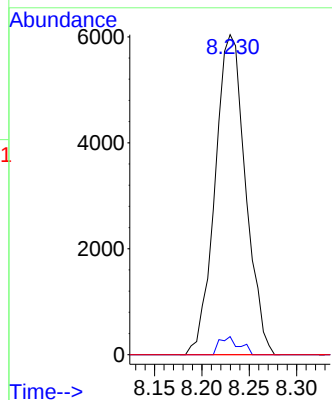


#38
Carbon Tetrachloride
Concen: 5.551 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Instrument :
MSVOA_N
ClientSampleId :

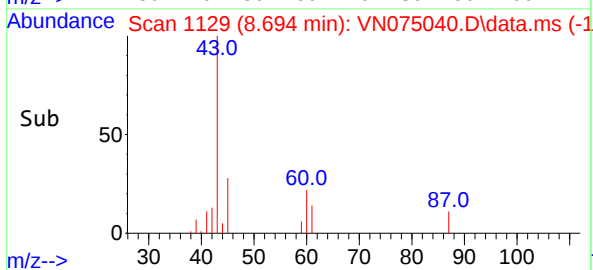
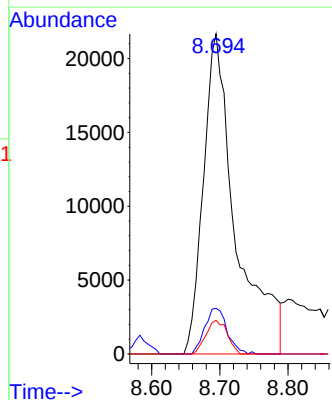
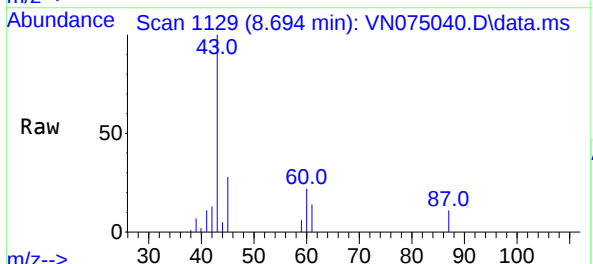


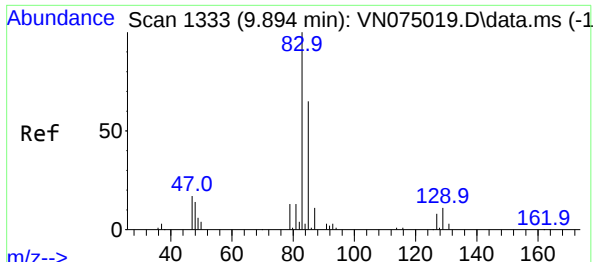
Tgt Ion:117 Resp: 13536
Ion Ratio Lower Upper
117 100
119 5.7 76.7 115.1#
121 0.0 23.9 35.9#



#43
Isopropyl Acetate
Concen: 18.988 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

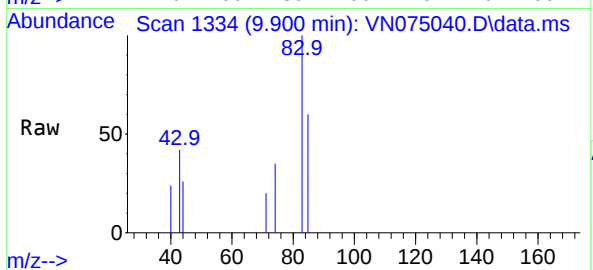
Tgt Ion: 43 Resp: 71600
Ion Ratio Lower Upper
43 100
61 9.9 22.4 33.6#
87 6.9 12.5 18.7#



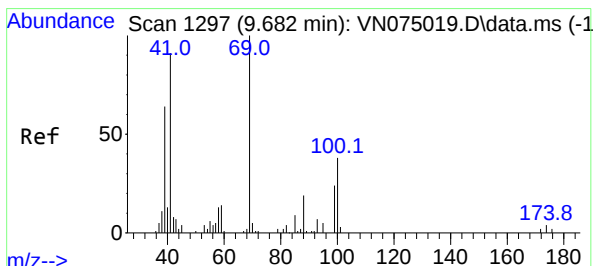
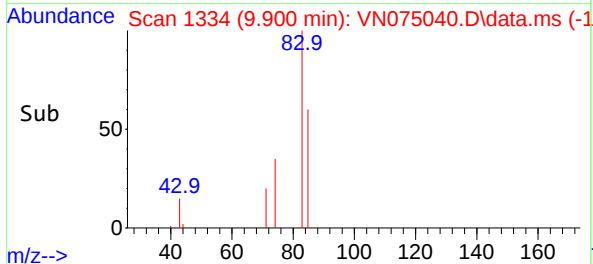
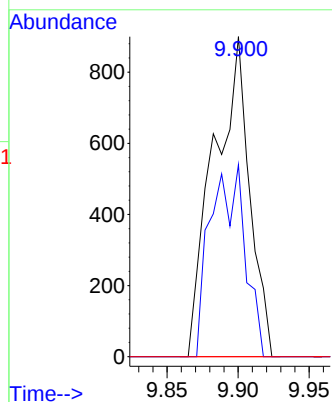


#47
Bromodichloromethane
Concen: 0.649 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Instrument :
MSVOA_N
ClientSampleId :

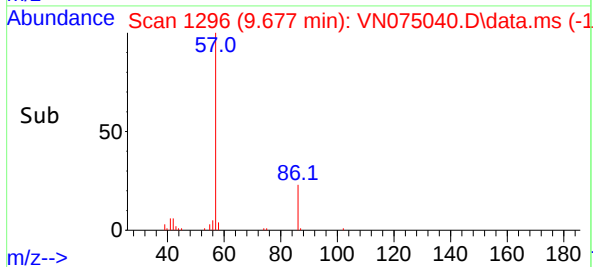
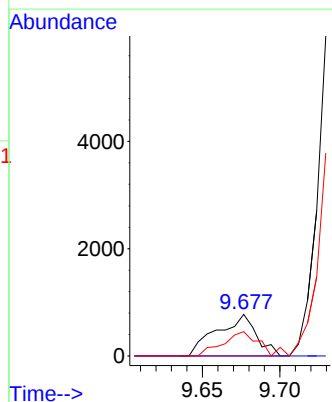
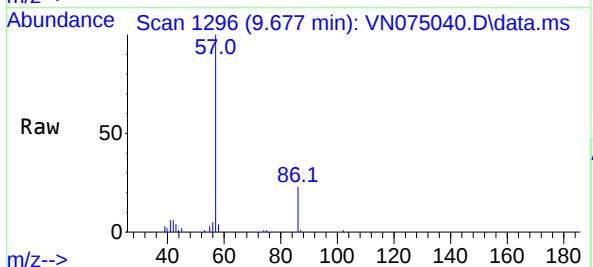


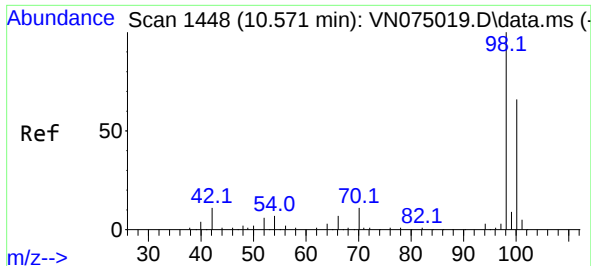
Tgt Ion: 83 Resp: 1582
Ion Ratio Lower Upper
83 100
85 60.0 52.1 78.1
127 0.0 6.6 10.0#



#48
Methyl methacrylate
Concen: 0.791 ug/l
RT: 9.677 min Scan# 1296
Delta R.T. -0.005 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion: 41 Resp: 1368
Ion Ratio Lower Upper
41 100
69 0.0 80.2 120.2#
39 50.7 56.2 84.2#

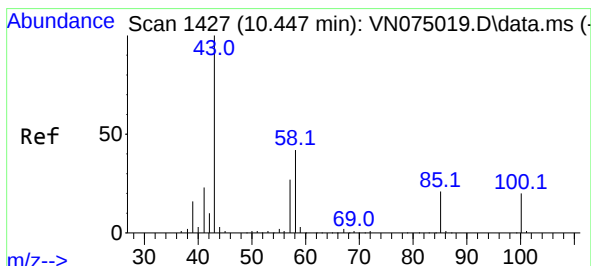
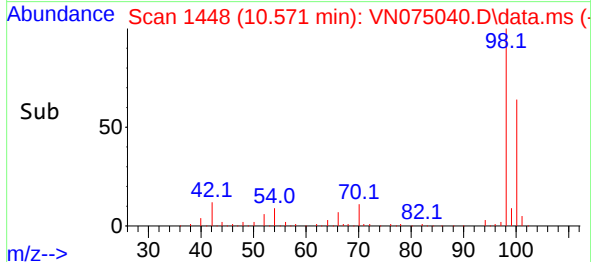
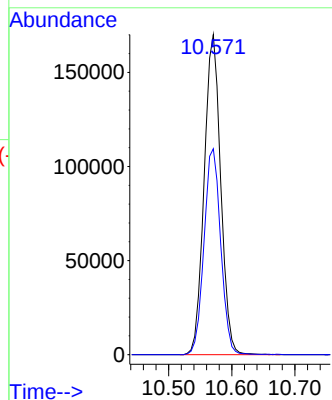
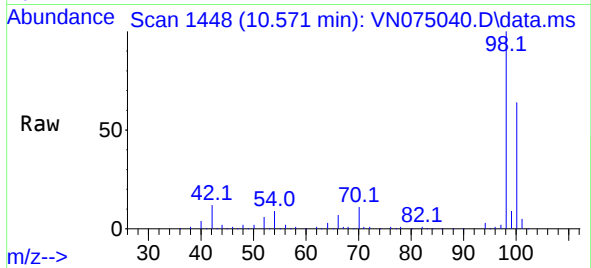




#50
Toluene-d8
Concen: 55.708 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

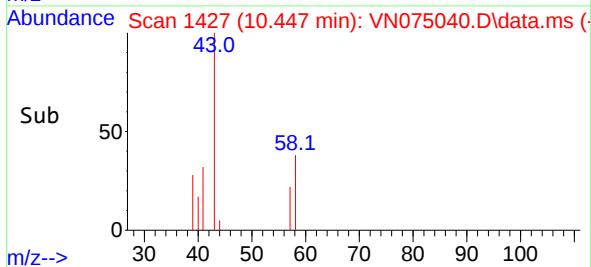
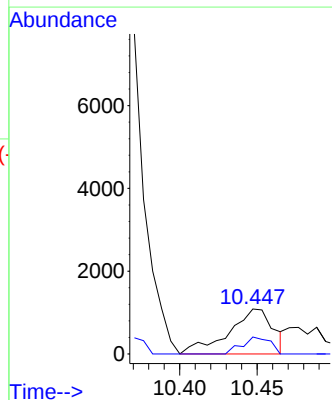
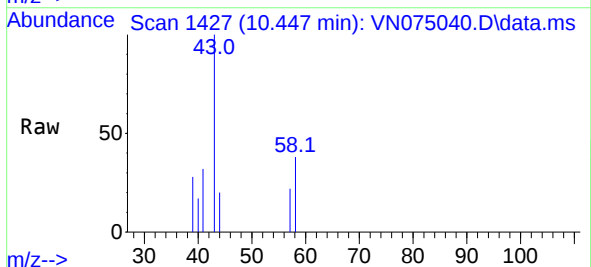
Instrument :
MSVOA_N
ClientSampleId :

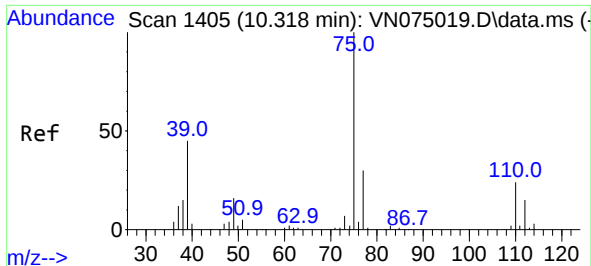
Tgt Ion: 98 Resp: 309455
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.895 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion: 43 Resp: 2177
Ion Ratio Lower Upper
43 100
58 23.5 33.6 50.4#

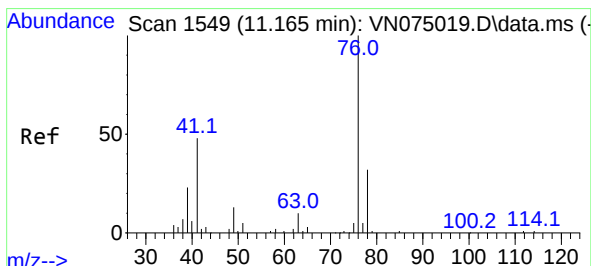
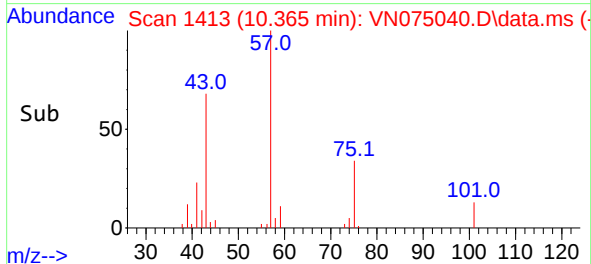
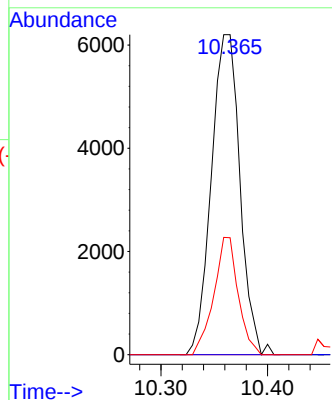
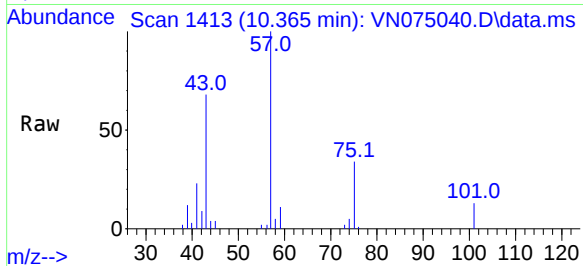




#54
 cis-1,3-Dichloropropene
 Concen: 4.237 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN075040.D
 Acq: 27 Oct 2022 14:55

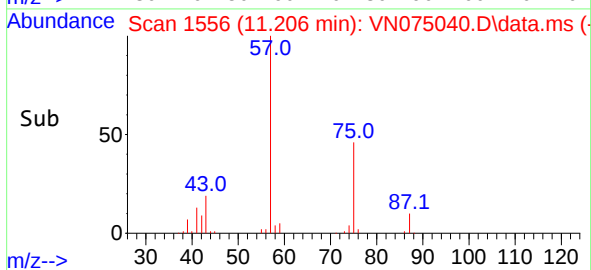
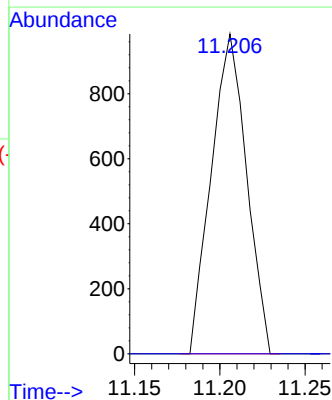
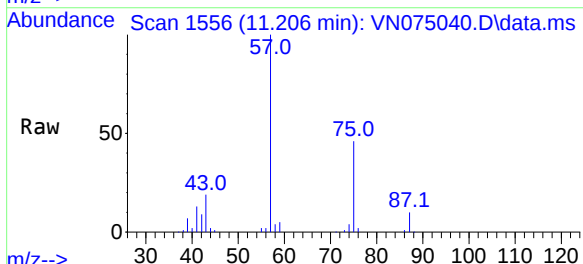
Instrument :
 MSVOA_N
 ClientSampleId :

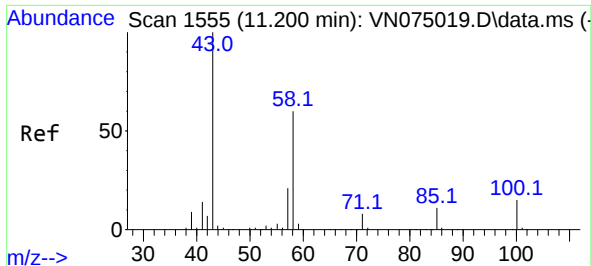
Tgt Ion: 75 Resp: 11558
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 36.5 35.8 53.6



#57
 1,3-Dichloropropane
 Concen: 0.473 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN075040.D
 Acq: 27 Oct 2022 14:55

Tgt Ion: 76 Resp: 1417
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

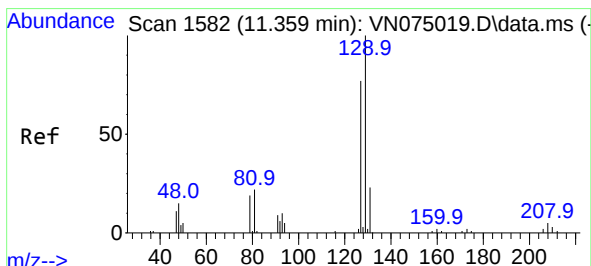
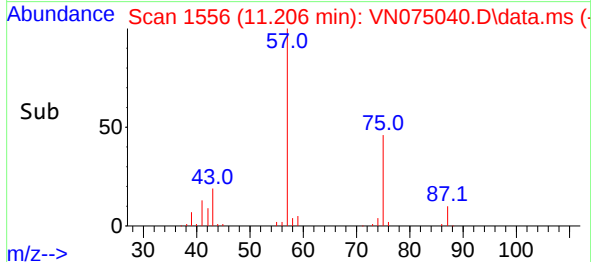
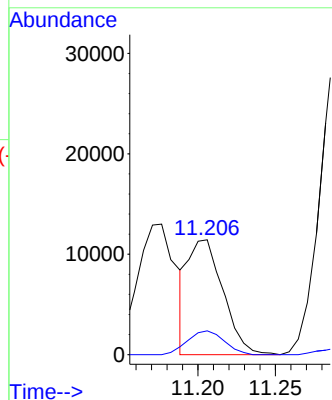
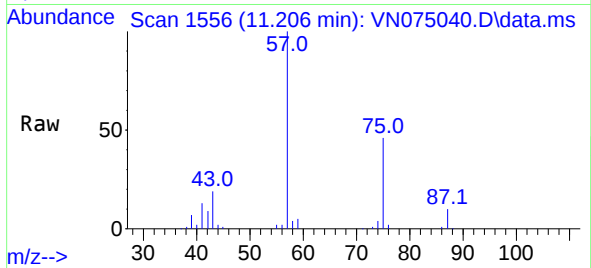




#59
2-Hexanone
Concen: 9.724 ug/l
RT: 11.206 min Scan# 1555
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

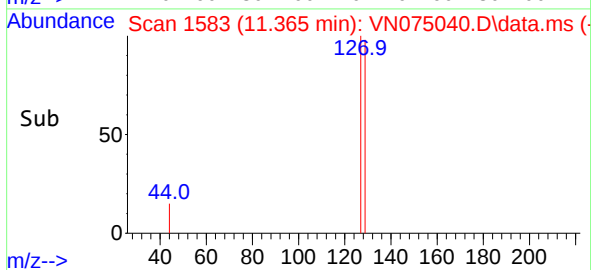
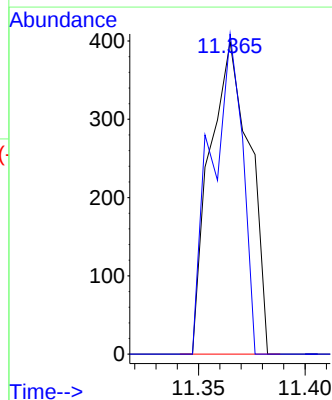
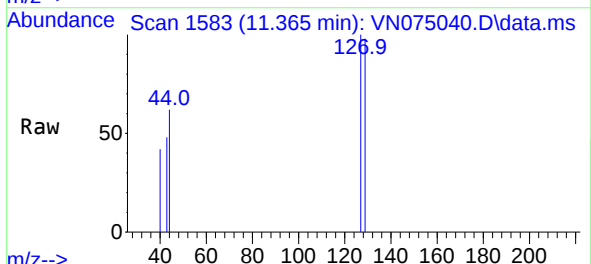
Instrument :
MSVOA_N
ClientSampleId :

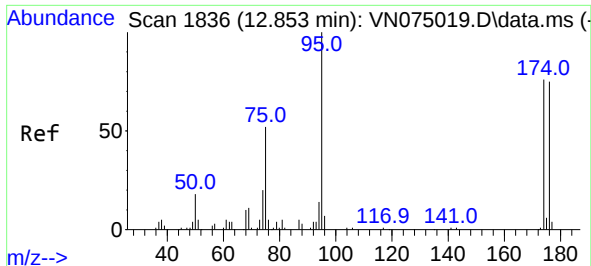
Tgt Ion: 43 Resp: 17958
Ion Ratio Lower Upper
43 100
58 21.8 29.6 88.8#



#60
Dibromochloromethane
Concen: 0.275 ug/l
RT: 11.365 min Scan# 1583
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion: 129 Resp: 521
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8

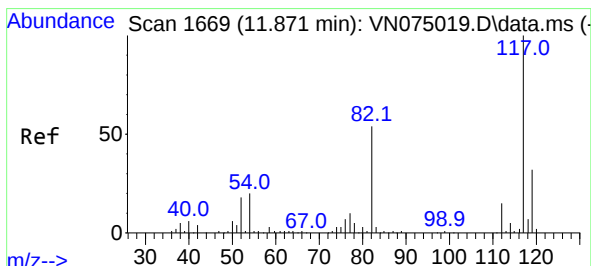
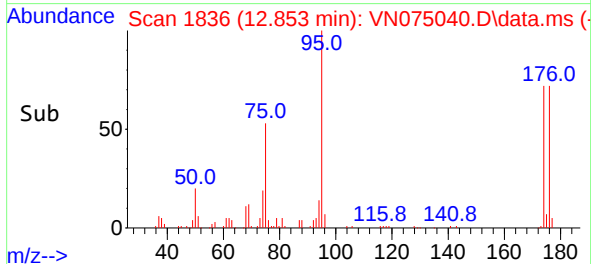
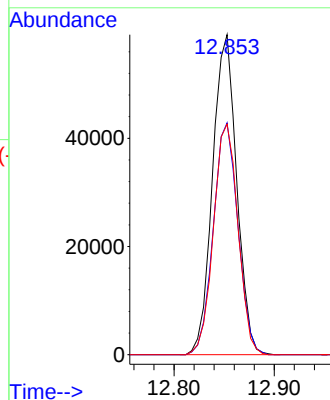
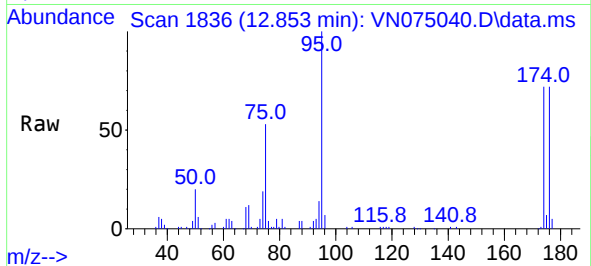




#62
4-Bromofluorobenzene
Concen: 50.621 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

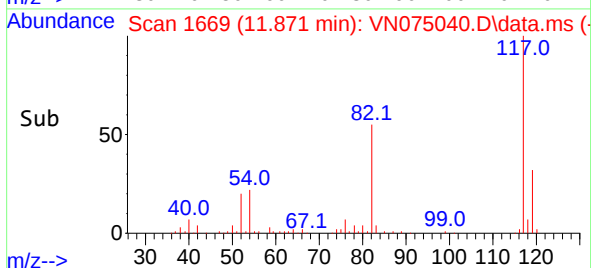
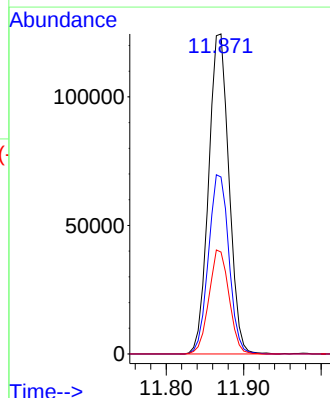
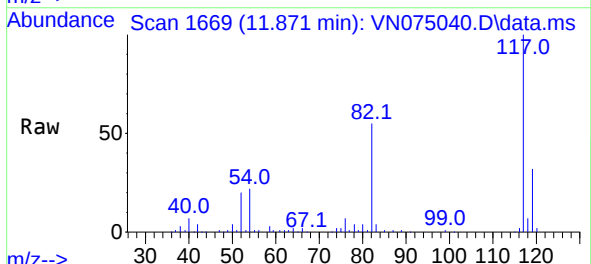
Instrument :
MSVOA_N
ClientSampleId :

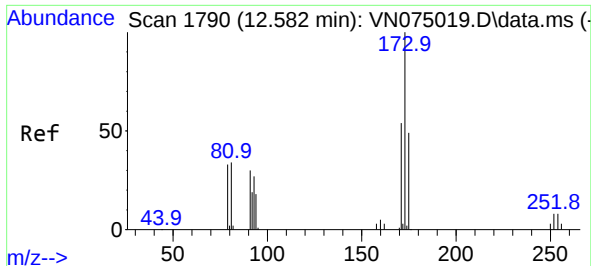
Tgt Ion: 95 Resp: 98778
Ion Ratio Lower Upper
95 100
174 73.9 0.0 147.4
176 73.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion: 117 Resp: 226993
Ion Ratio Lower Upper
117 100
82 55.3 43.1 64.7
119 31.9 25.5 38.3

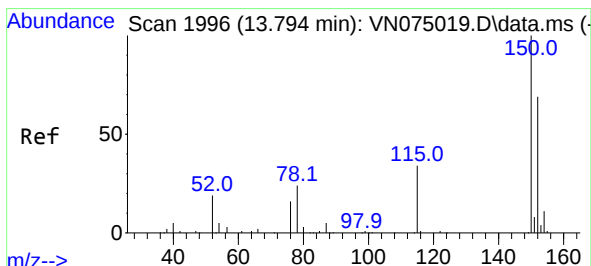
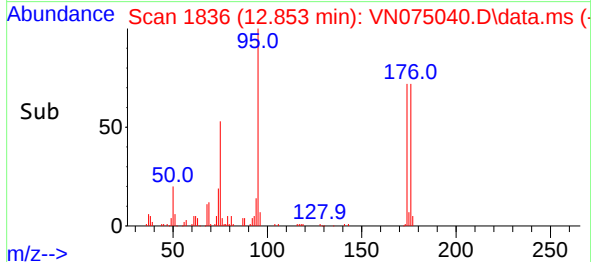
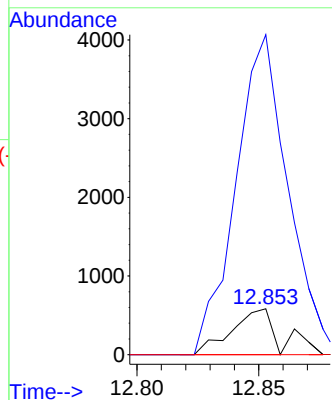
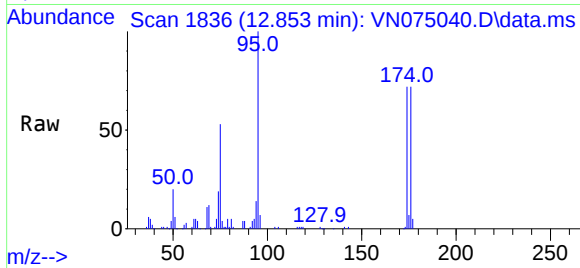




#71
Bromoform
Concen: 0.485 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

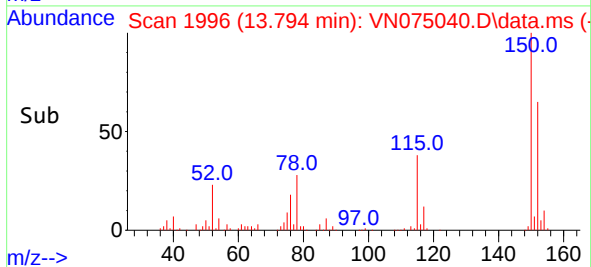
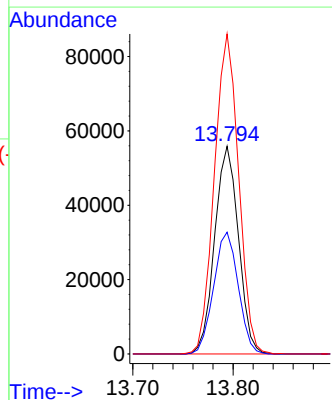
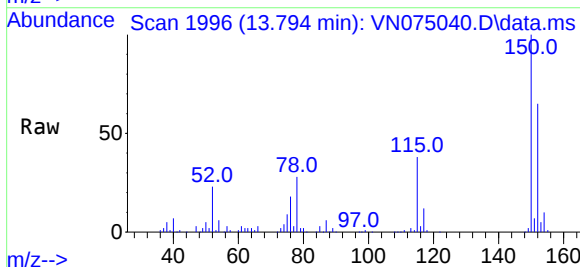
Instrument :
MSVOA_N
ClientSampleId :

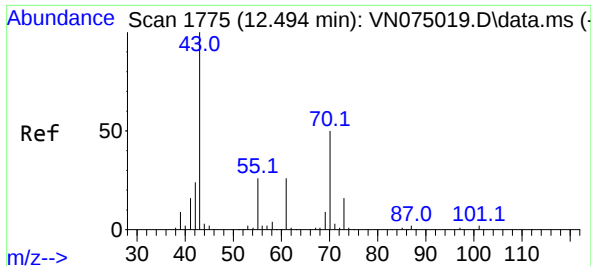
Tgt Ion:173 Resp: 652
Ion Ratio Lower Upper
173 100
175 774.4 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion:152 Resp: 91863
Ion Ratio Lower Upper
152 100
115 60.7 30.2 90.6
150 157.3 0.0 348.4

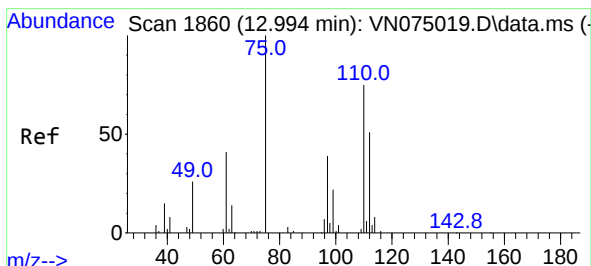
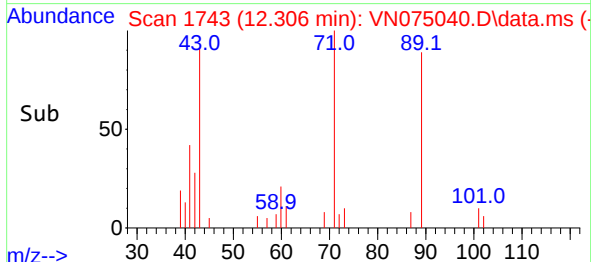
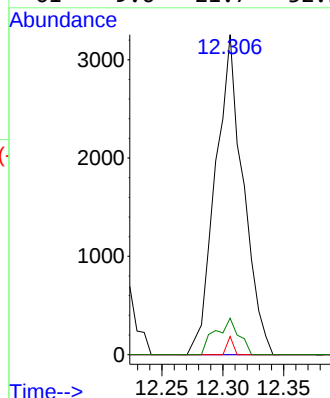
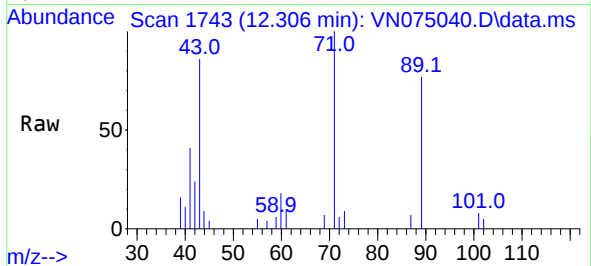




#74
N-amy1 acetate
Concen: 1.893 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

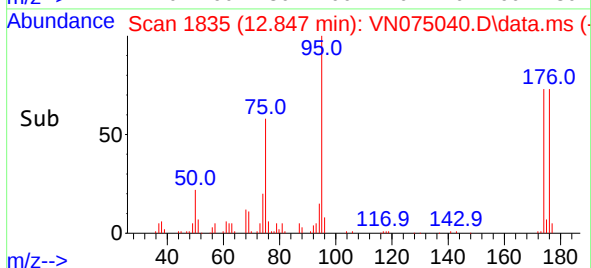
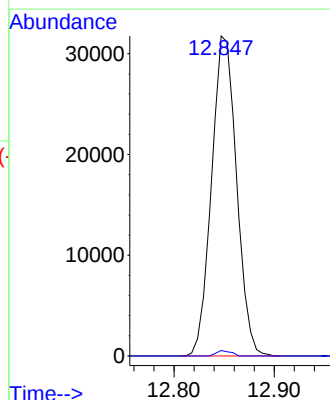
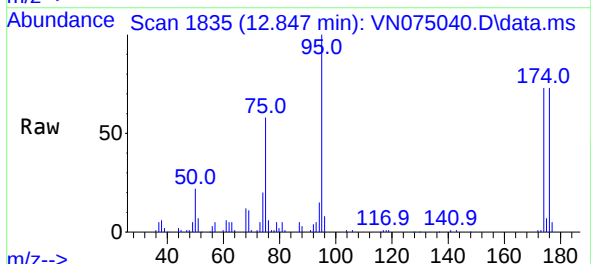
Instrument :
MSVOA_N
ClientSampleId :

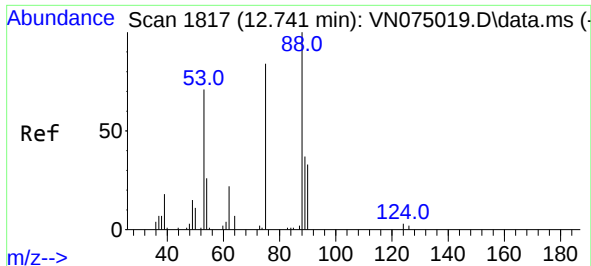
Tgt Ion: 43 Resp: 5164
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 1.3 19.9 29.9#
61 9.6 21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 28.236 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion: 75 Resp: 55075
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#

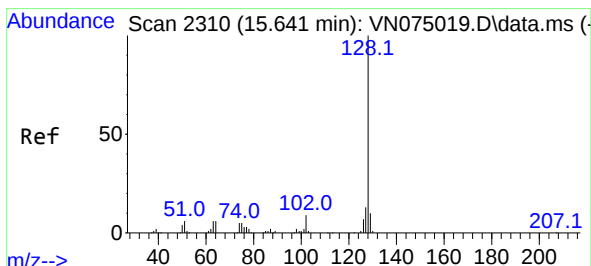
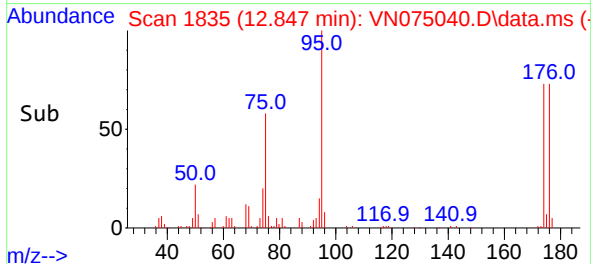
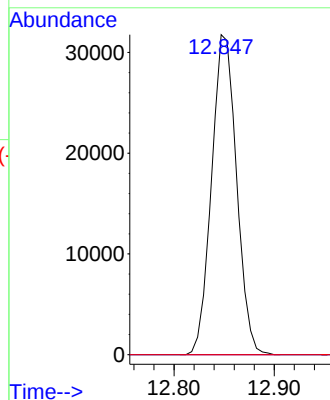
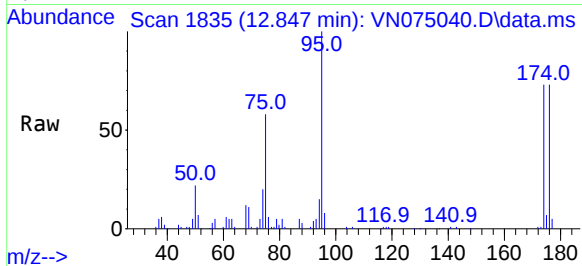




#81
trans-1,4-Dichloro-2-butene
Concen: 72.483 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 55075
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#95
Naphthalene
Concen: 0.437 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075040.D
Acq: 27 Oct 2022 14:55

Tgt Ion:128 Resp: 2285
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 6.0 8.6 12.8#

