

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075817.D
 Acq On : 15 Dec 2022 14:59
 Operator : JC\MD
 Sample : N6002-02RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 03:09:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

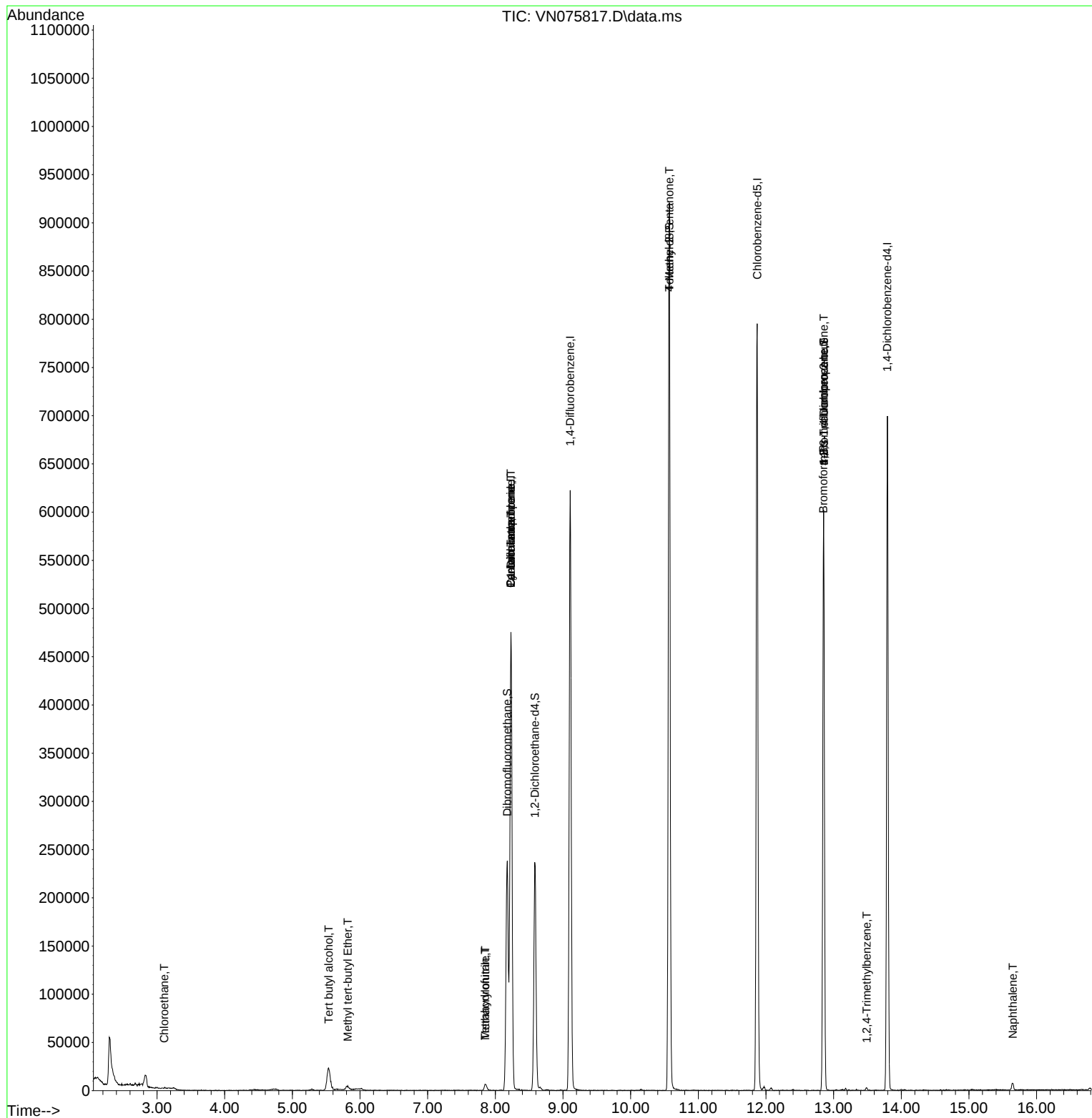
Internal Standards						
1) Pentafluorobenzene	8.229	168	371274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	575907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	493592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	197307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	189743	46.976	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.960%
35) Dibromofluoromethane	8.177	113	172684	48.418	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.840%
50) Toluene-d8	10.570	98	661754	49.626	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.260%
62) 4-Bromofluorobenzene	12.853	95	199681	45.211	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.420%
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	991	0.342	ug/l #	44
11) Tert butyl alcohol	5.535	59	43132	75.468	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	6952	0.642	ug/l #	82
20) Methylene Chloride	5.294	84	238	Below Cal	#	12
29) Tetrahydrofuran	7.847	42	4937	4.041	ug/l #	91
31) Cyclohexane	8.229	56	6695	1.157	ug/l #	29
36) 1,1-Dichloropropene	8.229	75	25759	5.437	ug/l #	49
38) Carbon Tetrachloride	8.229	117	36421	6.869	ug/l #	17
41) Methacrylonitrile	7.853	41	2847	1.439	ug/l #	41
51) 4-Methyl-2-Pentanone	10.570	43	2421	0.638	ug/l #	1
71) Bromoform	12.847	173	1774	0.650	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	103223	25.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	103223	93.420	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.488	105	2482	0.210	ug/l	85
95) Naphthalene	15.647	128	8765	2.958	ug/l	97

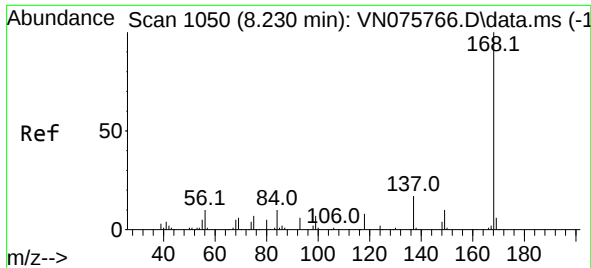
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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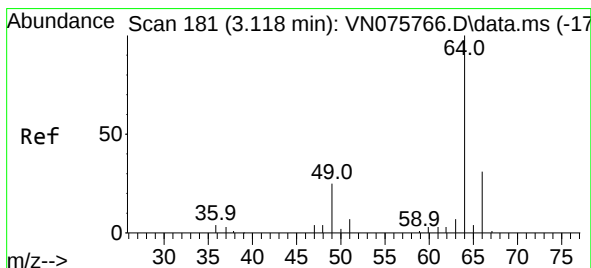
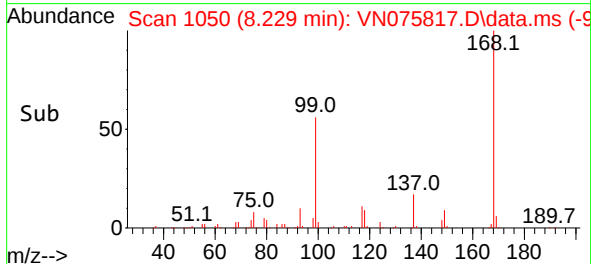
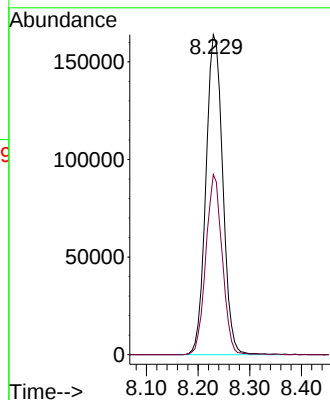
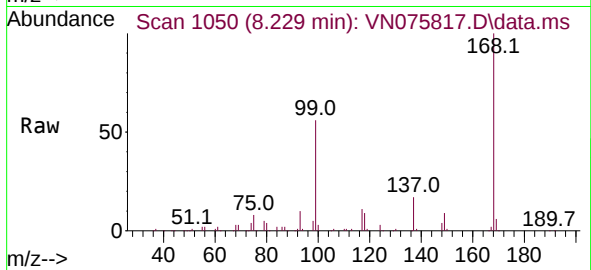




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

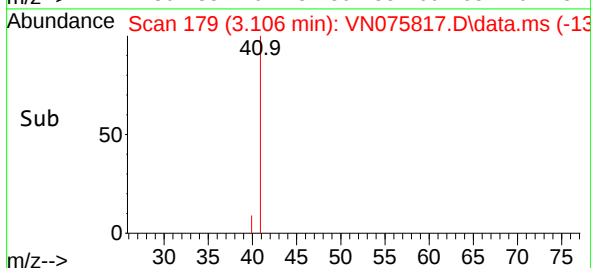
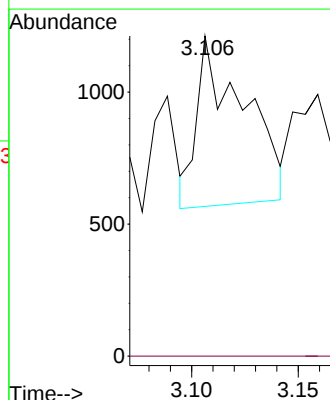
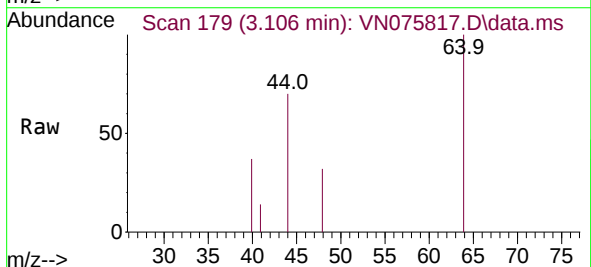
Instrument :
MSVOA_N
ClientSampleId :

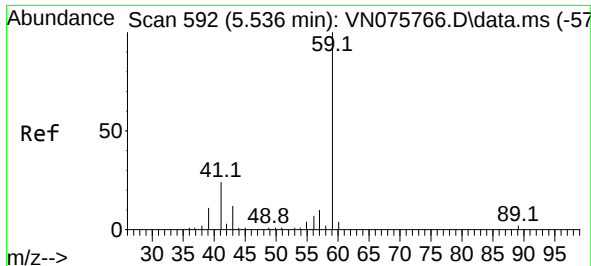
Tgt Ion:168 Resp: 371274
Ion Ratio Lower Upper
168 100
99 56.3 44.2 66.4



#6
Chloroethane
Concen: 0.342 ug/l
RT: 3.106 min Scan# 179
Delta R.T. -0.012 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Tgt Ion: 64 Resp: 991
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#

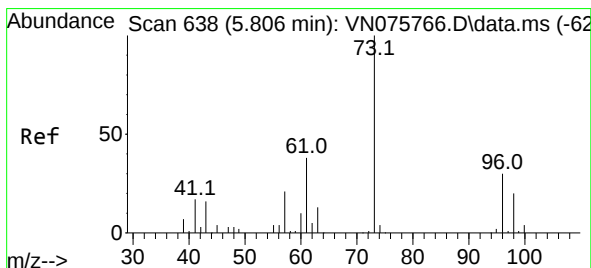
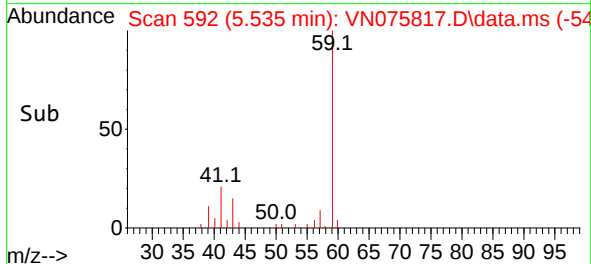
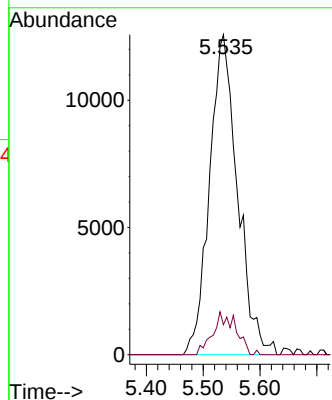
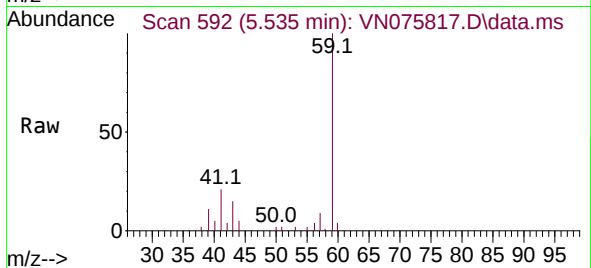




#11
Tert butyl alcohol
Concen: 75.468 ug/l
RT: 5.535 min Scan# 59
Delta R.T. -0.000 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

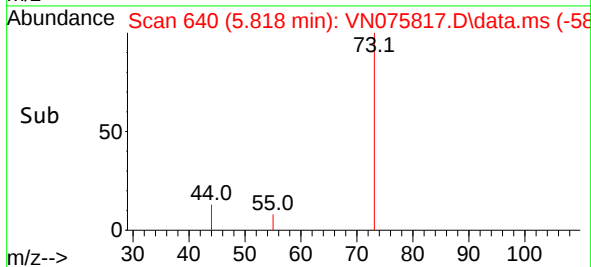
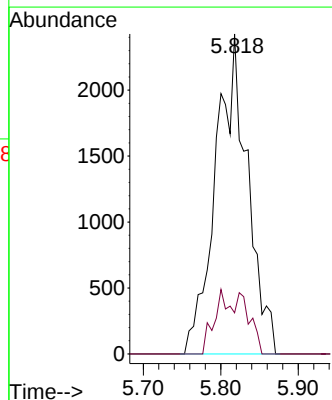
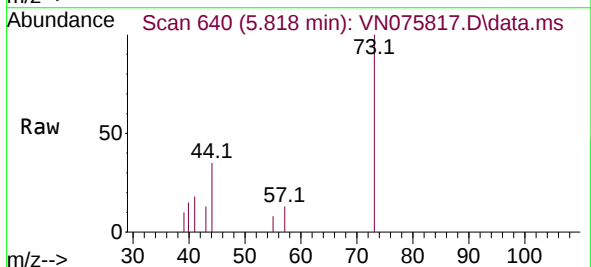
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 59 Resp: 43132
Ion Ratio Lower Upper
59 100
57 10.8 8.2 12.4



#19
Methyl tert-butyl Ether
Concen: 0.642 ug/l
RT: 5.818 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

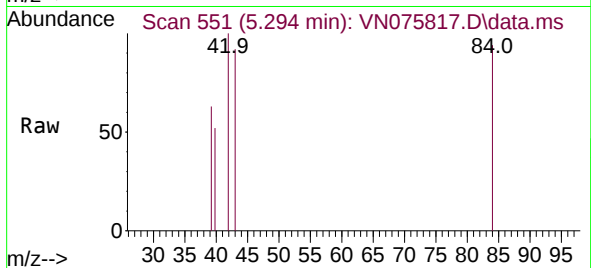
Tgt Ion: 73 Resp: 6952
Ion Ratio Lower Upper
73 100
57 12.9 17.1 25.7#





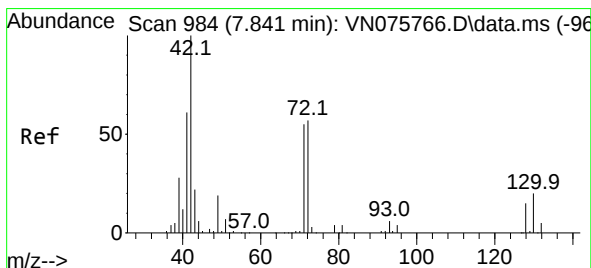
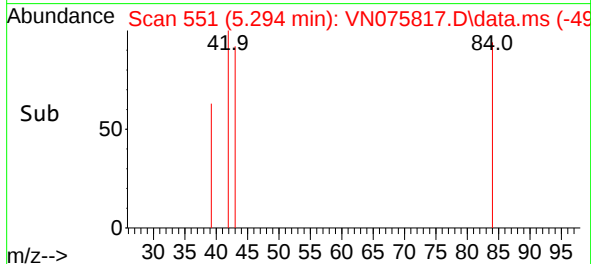
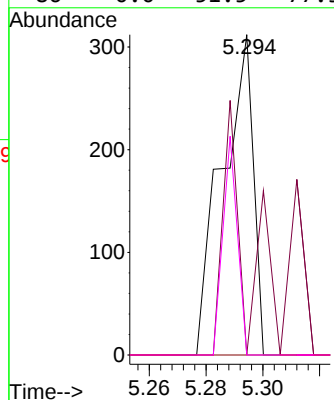
#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 511
Delta R.T. 0.005 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 238

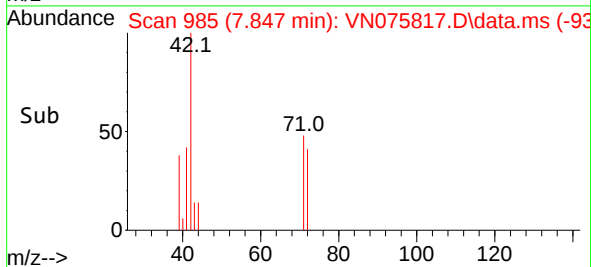
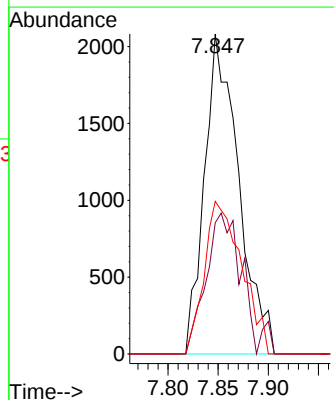
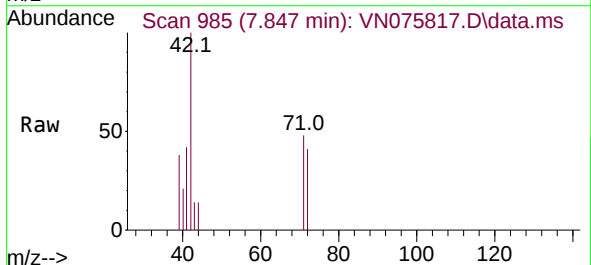
Ion	Ratio	Lower	Upper
84	100		
49	0.0	81.8	122.6#
51	0.0	26.7	40.1#
86	0.0	51.5	77.3#

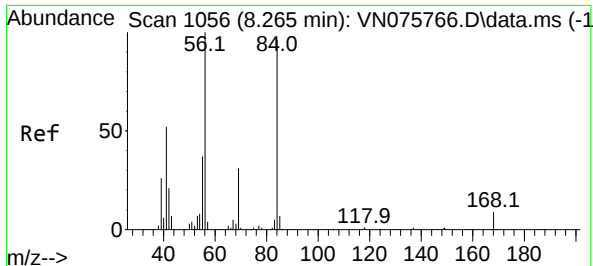


#29
Tetrahydrofuran
Concen: 4.041 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.006 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Tgt Ion: 42 Resp: 4937

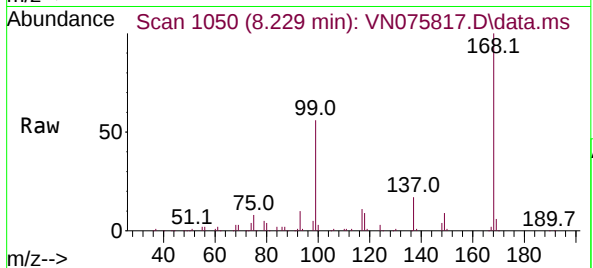
Ion	Ratio	Lower	Upper
42	100		
72	44.3	44.5	66.7#
71	52.2	41.0	61.6



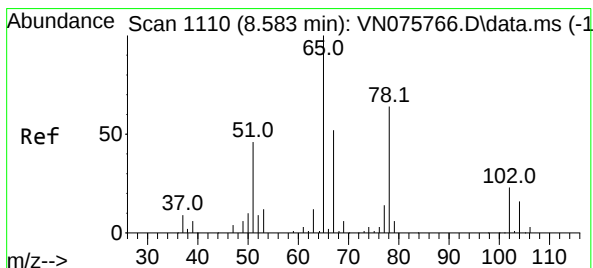
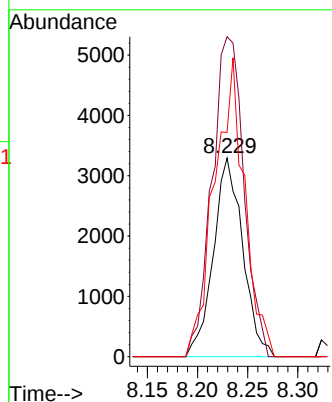
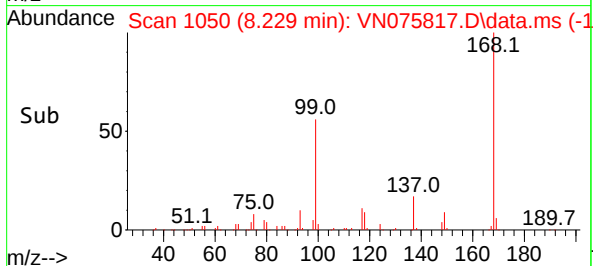


#31
Cyclohexane
Concen: 1.157 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :

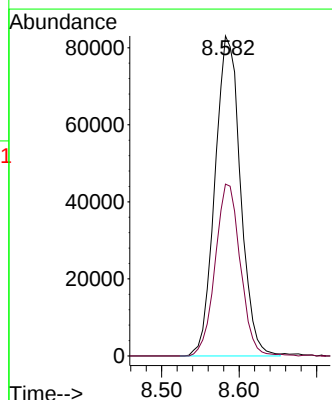
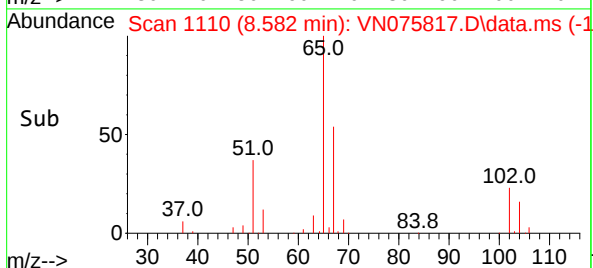
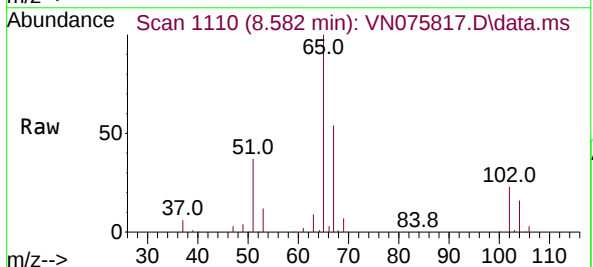


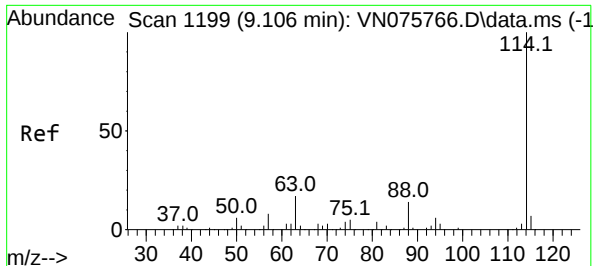
Tgt Ion: 56 Resp: 6695
Ion Ratio Lower Upper
56 100
69 161.2 24.7 37.1#
84 113.0 76.5 114.7



#33
1,2-Dichloroethane-d4
Concen: 46.976 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Tgt Ion: 65 Resp: 189743
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075817.D

Acq: 15 Dec 2022 14:59

Instrument :

MSVOA_N

ClientSampleId :

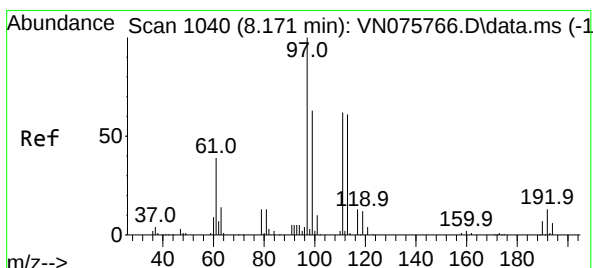
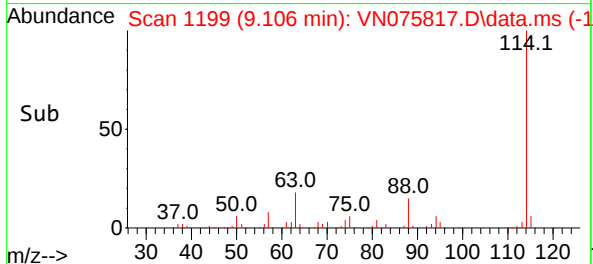
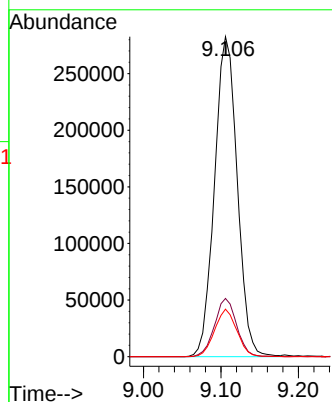
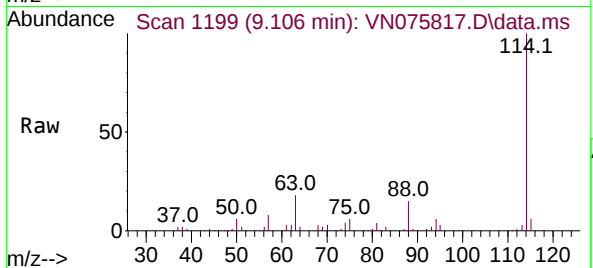
Tgt Ion:114 Resp: 575907

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.4

88 14.9 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.418 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075817.D

Acq: 15 Dec 2022 14:59

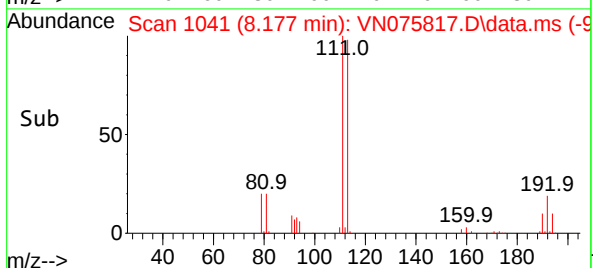
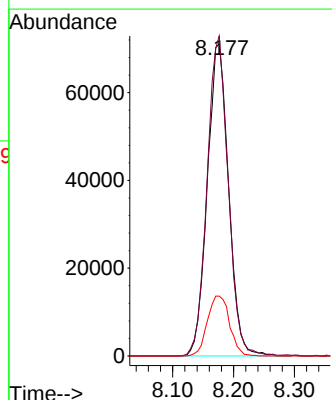
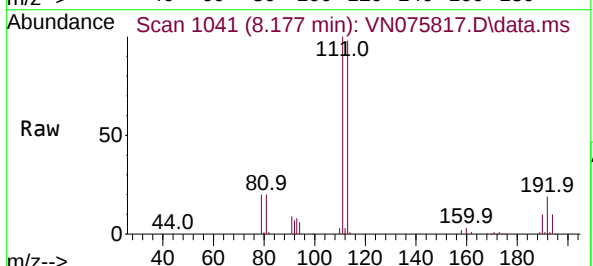
Tgt Ion:113 Resp: 172684

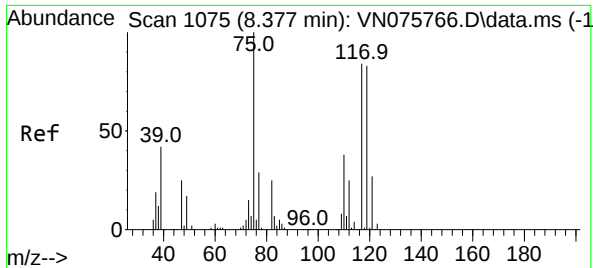
Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.2

192 20.0 16.1 24.1

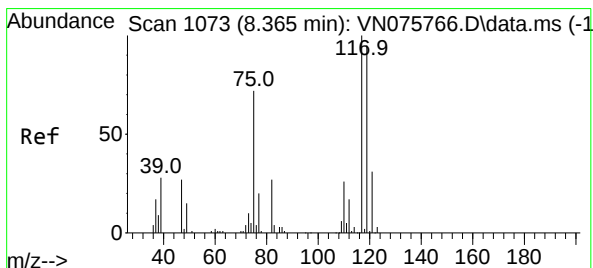
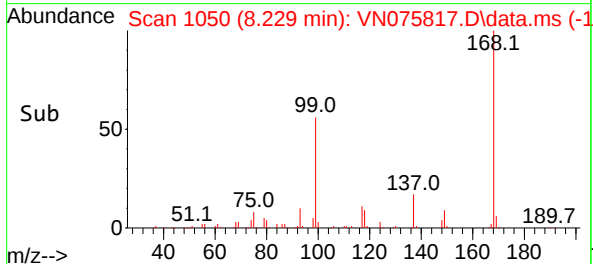
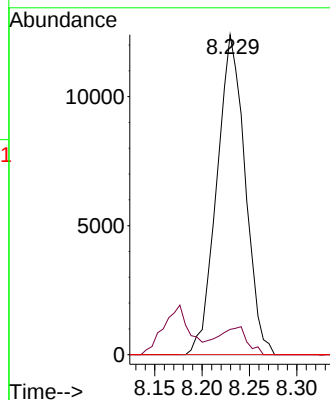
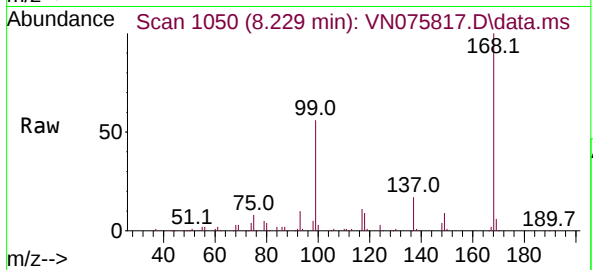




#36
1,1-Dichloropropene
Concen: 5.437 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

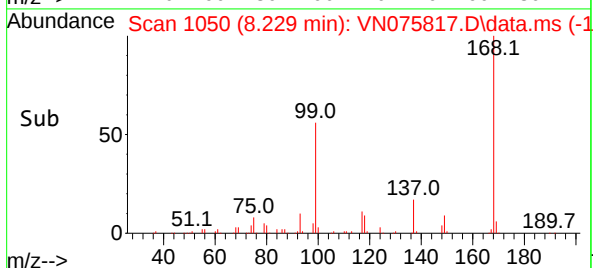
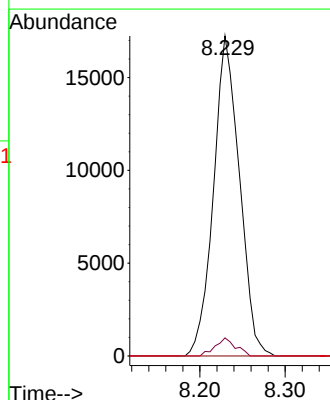
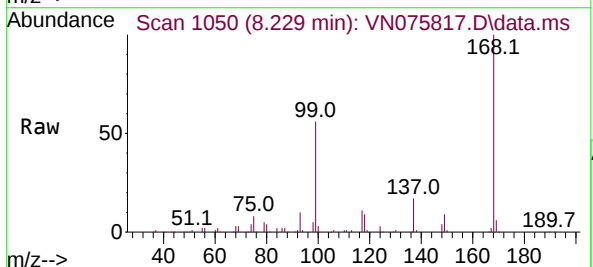
Instrument :
MSVOA_N
ClientSampleId :

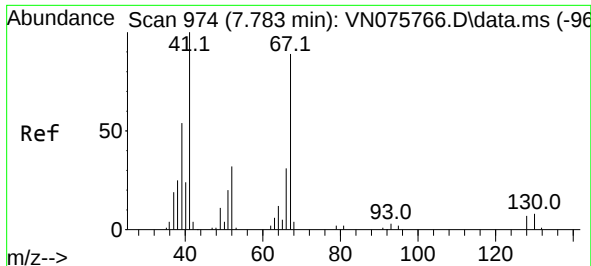
Tgt Ion: 75 Resp: 25759
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.869 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

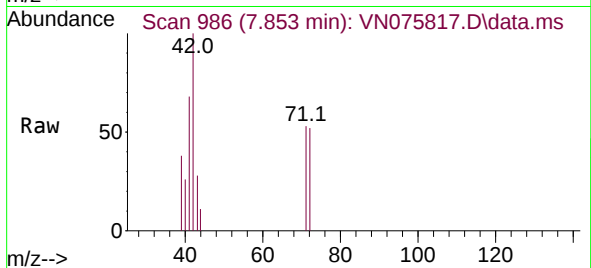
Tgt Ion: 117 Resp: 36421
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 24.5 36.7#



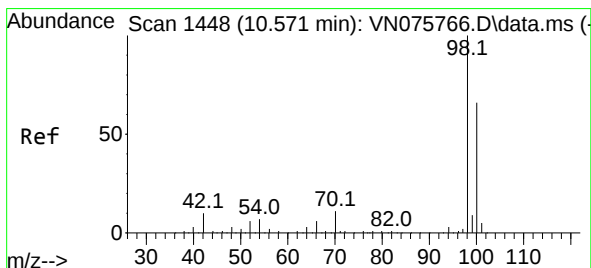
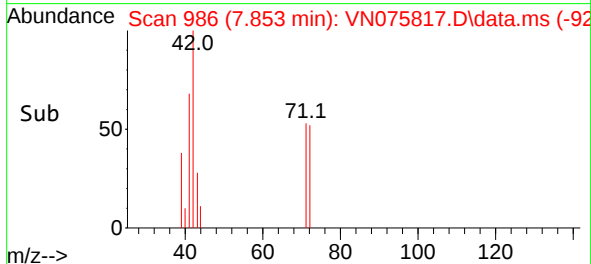
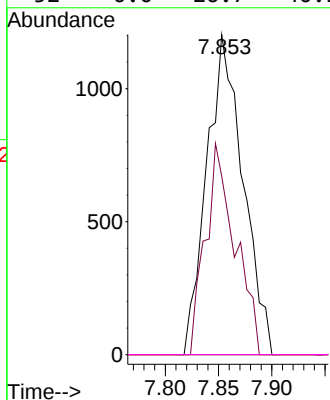


#41
Methacrylonitrile
Concen: 1.439 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.070 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :

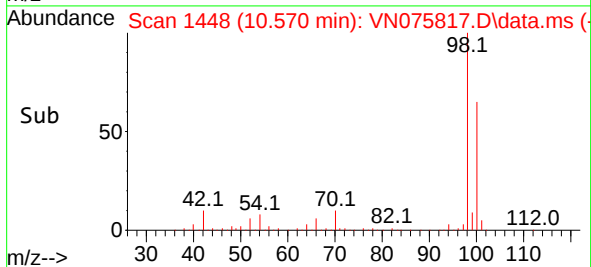
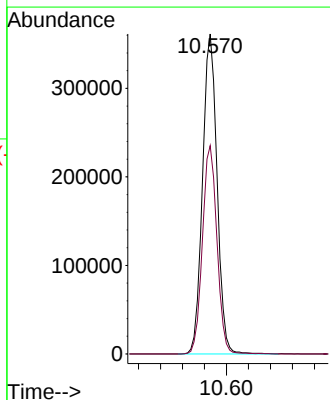
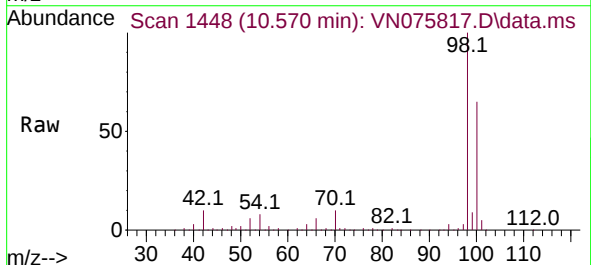


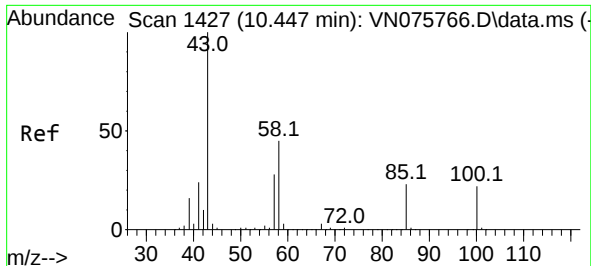
Tgt Ion: 41 Resp: 2847
Ion Ratio Lower Upper
41 100
39 54.1 43.1 64.7
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#50
Toluene-d8
Concen: 49.626 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Tgt Ion: 98 Resp: 661754
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

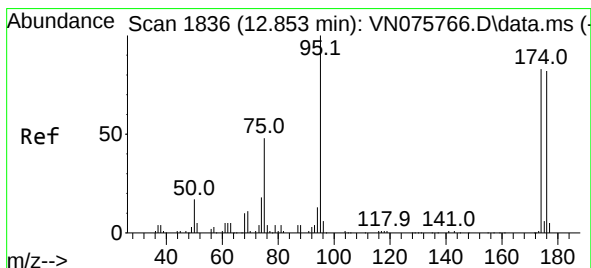
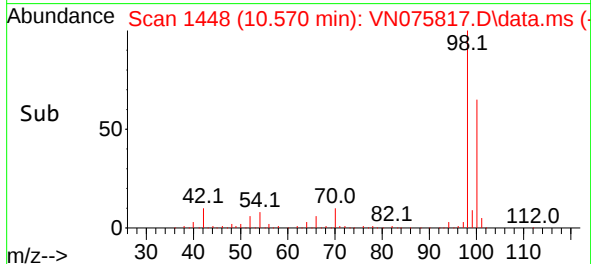
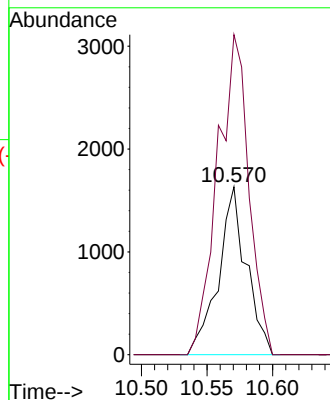
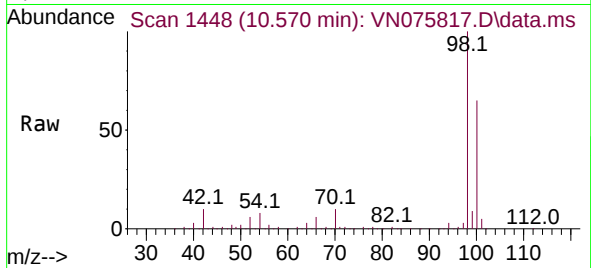




#51
4-Methyl-2-Pentanone
Concen: 0.638 ug/l
RT: 10.570 min Scan# 1427
Delta R.T. 0.123 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

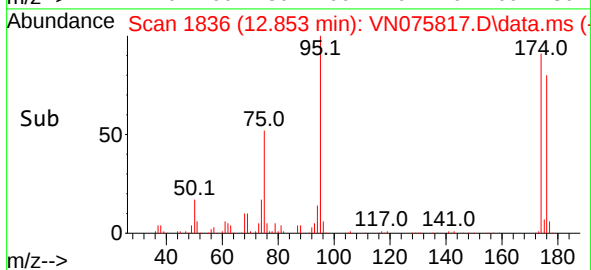
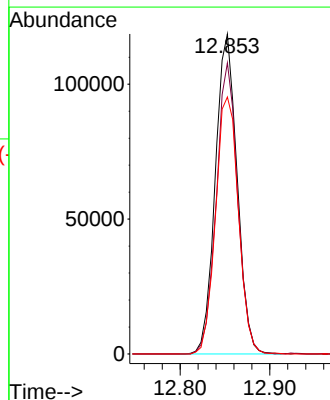
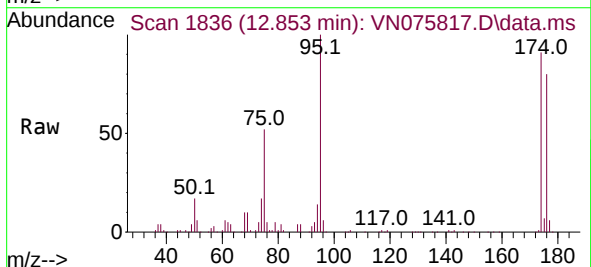
Instrument :
MSVOA_N
ClientSampleId :

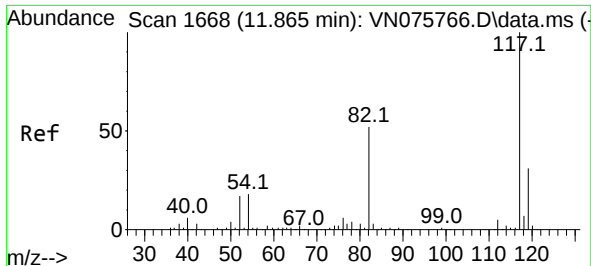
Tgt Ion: 43 Resp: 2421
Ion Ratio Lower Upper
43 100
58 213.8 35.5 53.3#



#62
4-Bromofluorobenzene
Concen: 45.211 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Tgt Ion: 95 Resp: 199681
Ion Ratio Lower Upper
95 100
174 89.1 0.0 171.6
176 84.2 0.0 169.2

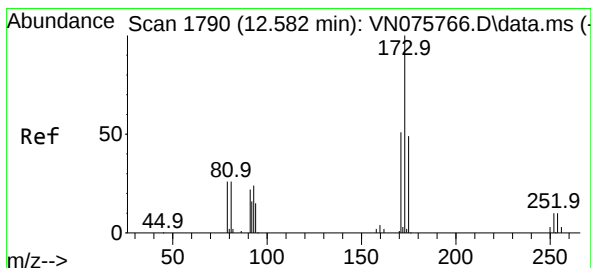
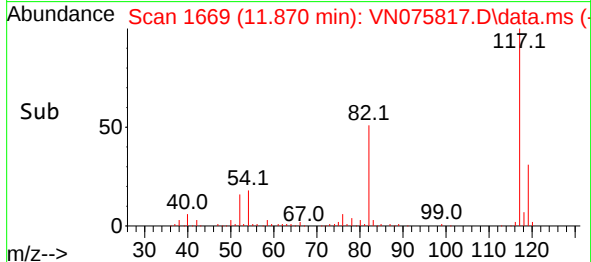
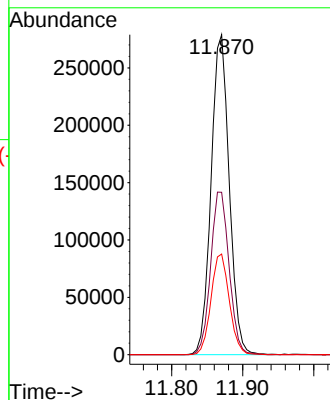
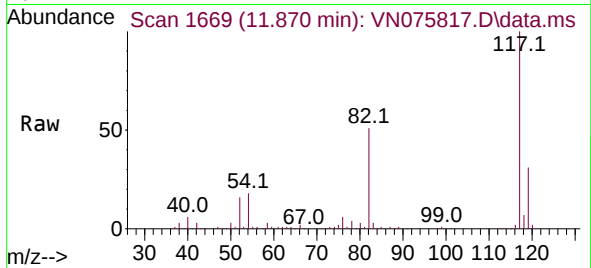




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

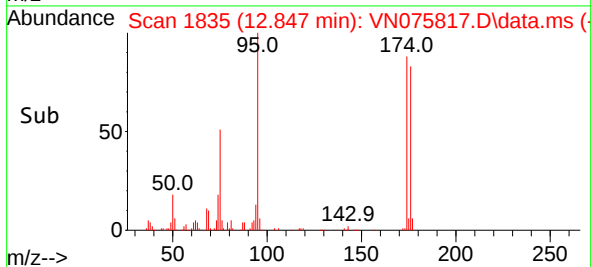
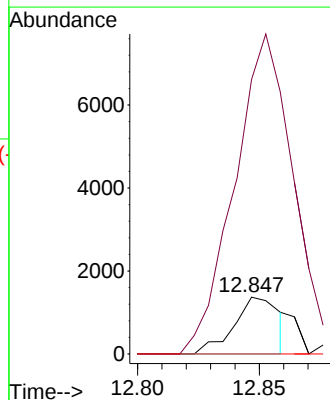
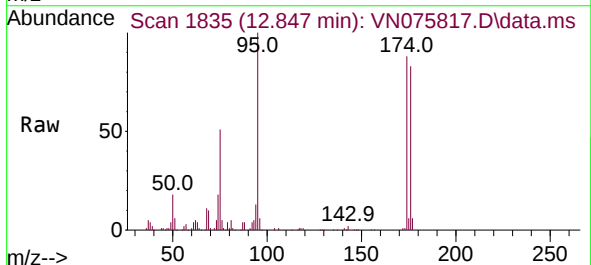
Instrument :
MSVOA_N
ClientSampleId :

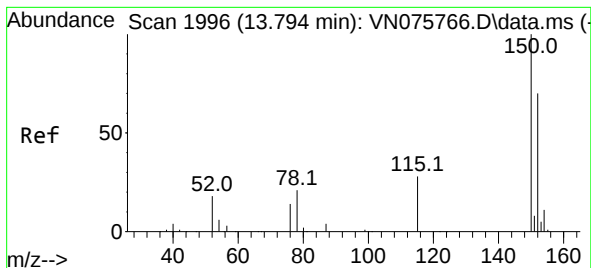
Tgt Ion:117 Resp: 493592
Ion Ratio Lower Upper
117 100
82 50.8 41.3 61.9
119 31.4 24.6 37.0



#71
Bromoform
Concen: 0.650 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Tgt Ion:173 Resp: 1774
Ion Ratio Lower Upper
173 100
175 586.9 24.3 72.8#
254 0.0 0.0 0.0

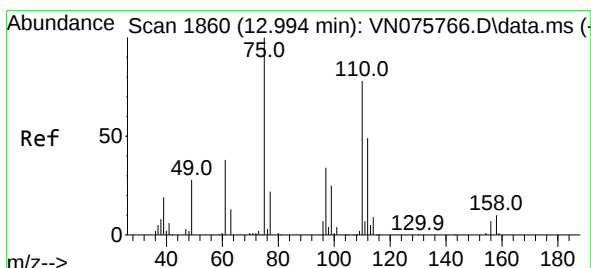
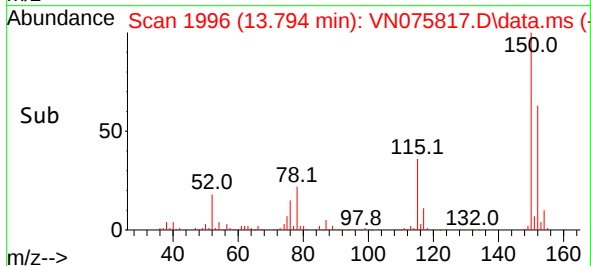
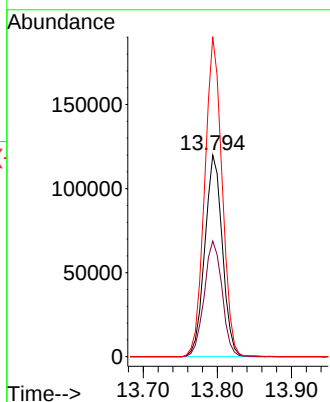
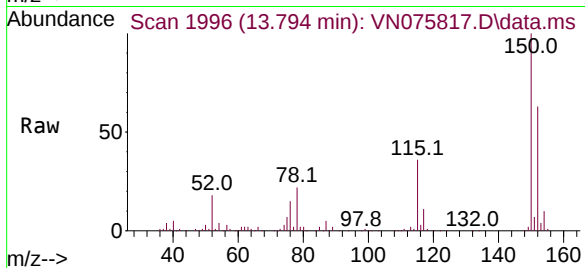




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN075817.D
 Acq: 15 Dec 2022 14:59

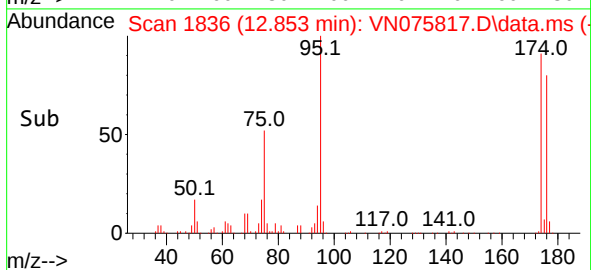
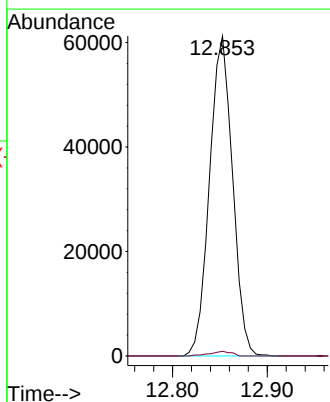
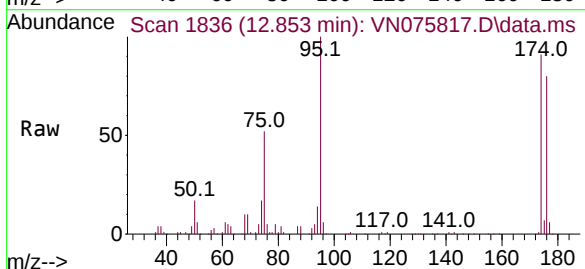
Instrument :
 MSVOA_N
 ClientSampleId :

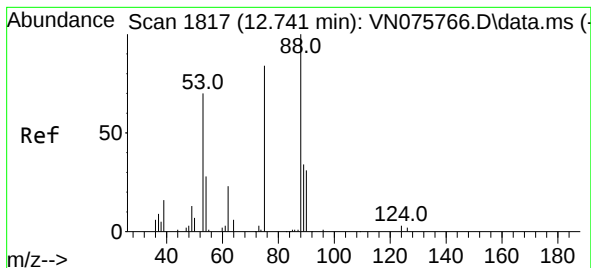
Tgt Ion:152 Resp: 197307
 Ion Ratio Lower Upper
 152 100
 115 58.4 29.1 87.4
 150 157.2 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 25.953 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075817.D
 Acq: 15 Dec 2022 14:59

Tgt Ion: 75 Resp: 103223
 Ion Ratio Lower Upper
 75 100
 77 1.4 82.6 247.8#

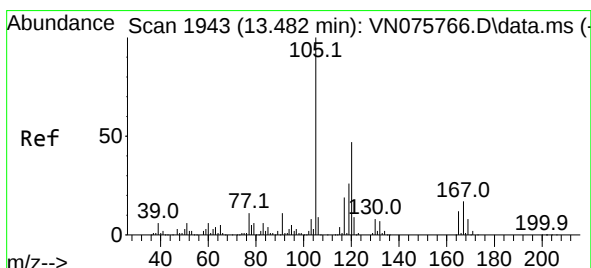
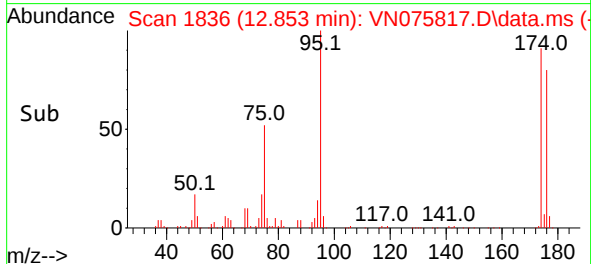
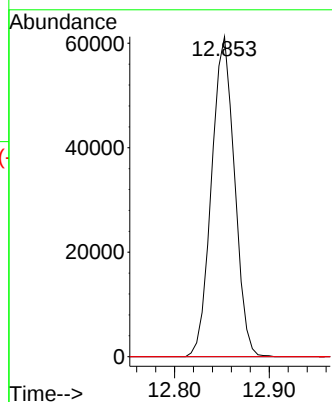
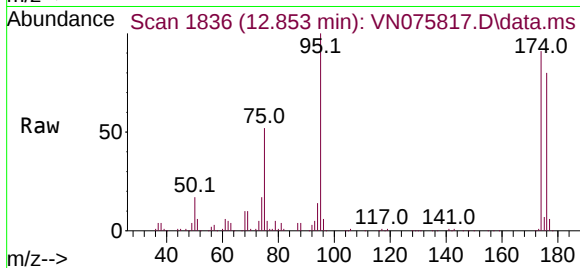




#81
trans-1,4-Dichloro-2-butene
Concen: 93.420 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

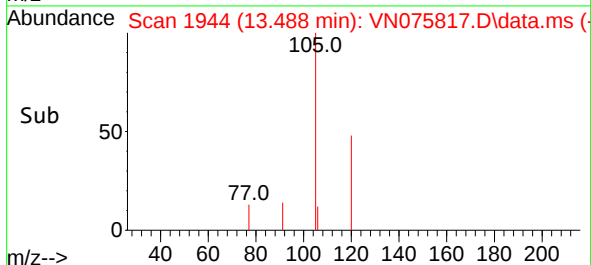
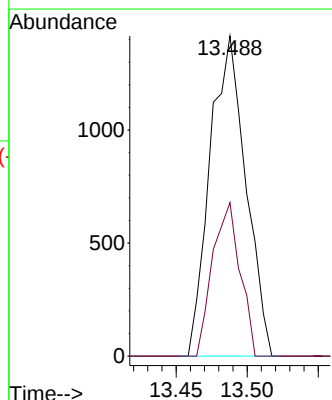
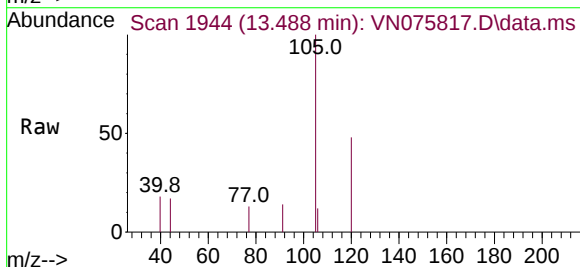
Instrument :
MSVOA_N
ClientSampleId :

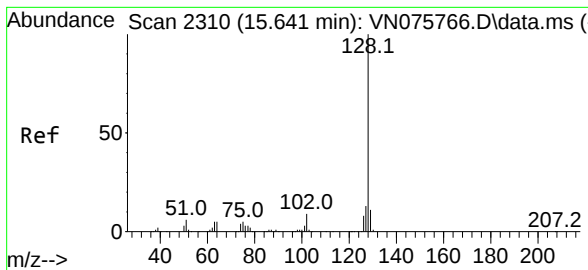
Tgt Ion: 75 Resp: 103223
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.210 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

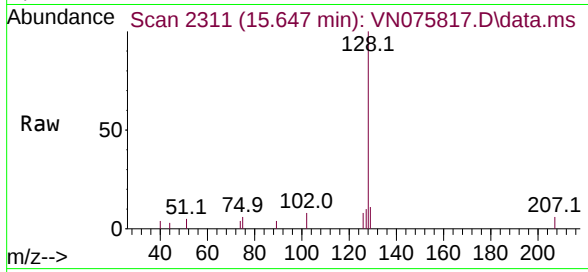
Tgt Ion:105 Resp: 2482
Ion Ratio Lower Upper
105 100
120 36.7 23.3 69.8





#95
Naphthalene
Concen: 2.958 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075817.D
Acq: 15 Dec 2022 14:59

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	8765
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	8.8	8.7	13.1

