

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080122\
 Data File : VN073665.D
 Acq On : 01 Aug 2022 17:21
 Operator : JC\MD
 Sample : N3840-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 02 05:03:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	327365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	530827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	507648	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	246118	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	199760	50.072	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.140%
35) Dibromofluoromethane	7.951	113	187592	56.279	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	112.560%
50) Toluene-d8	10.380	98	615153	46.898	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.800%
62) 4-Bromofluorobenzene	12.674	95	222673	50.679	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.360%

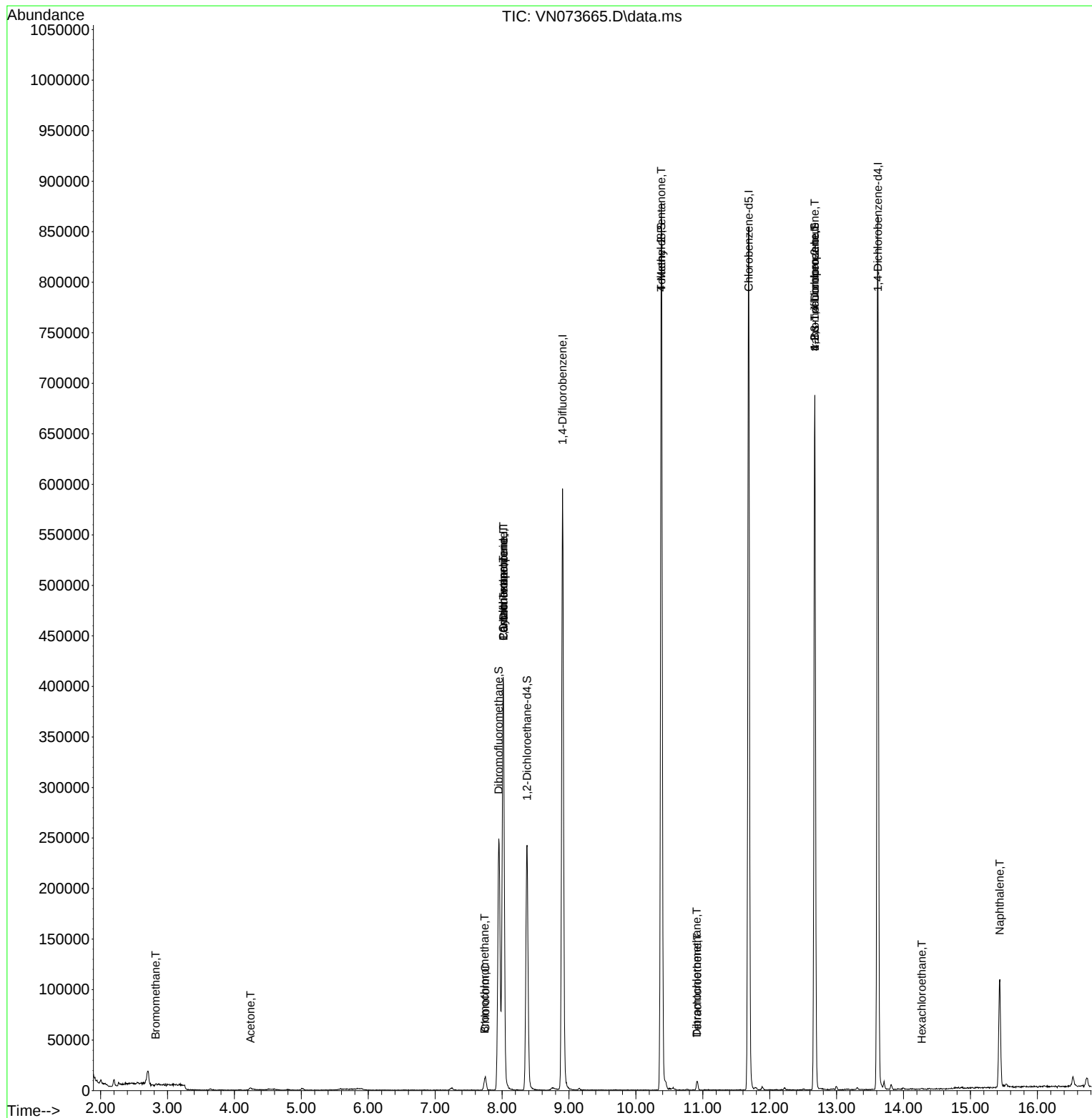
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.269	50	1189	Below Cal		91
5) Bromomethane	2.822	94	1035	0.321	ug/l #	48
6) Chloroethane	2.951	64	395	Below Cal	#	42
16) Acetone	4.240	43	4611	2.152	ug/l	100
20) Methylene Chloride	5.004	84	1068	Below Cal	#	45
28) Bromochloromethane	7.739	49	875	0.316	ug/l #	8
30) Chloroform	7.751	83	12658	1.843	ug/l	96
31) Cyclohexane	8.016	56	6603	1.112	ug/l #	1
36) 1,1-Dichloropropene	8.022	75	23200	4.883	ug/l #	48
38) Carbon Tetrachloride	8.022	117	31517	6.532	ug/l #	16
51) 4-Methyl-2-Pentanone	10.380	43	2435	0.402	ug/l #	1
60) Dibromochloromethane	10.910	129	2087	0.534	ug/l #	11
64) Tetrachloroethene	10.916	164	2037	0.505	ug/l	91
76) 1,2,3-Trichloropropane	12.674	75	116240	24.112	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	116240	61.206	ug/l #	11
90) Hexachloroethane	14.274	117	638	0.225	ug/l #	9
95) Naphthalene	15.439	128	102889	7.357	ug/l	99

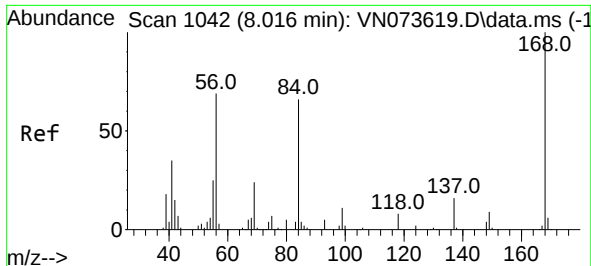
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Time: Aug 02 05:03:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

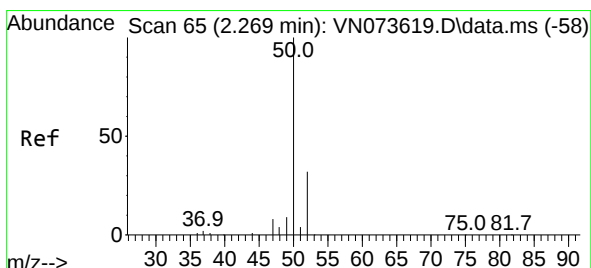
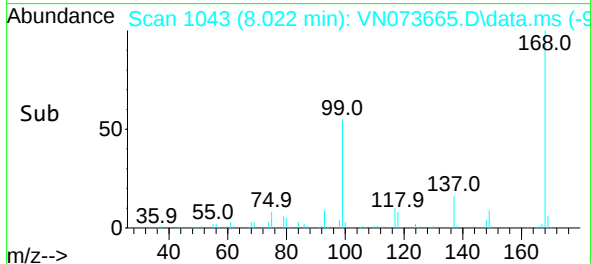
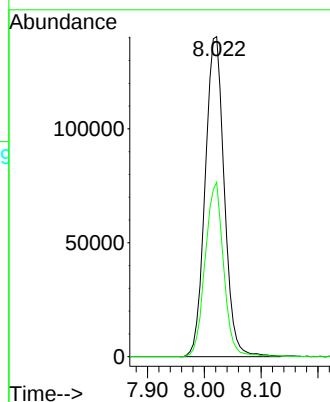
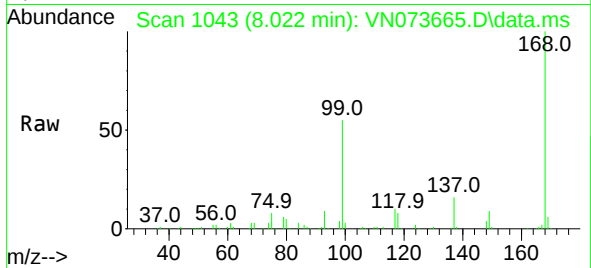




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

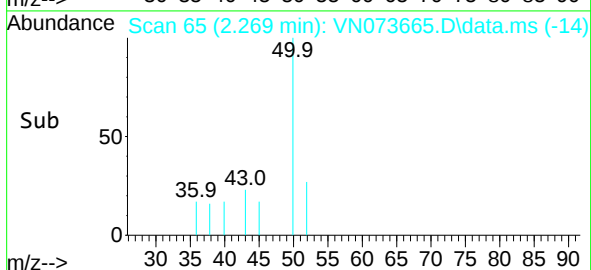
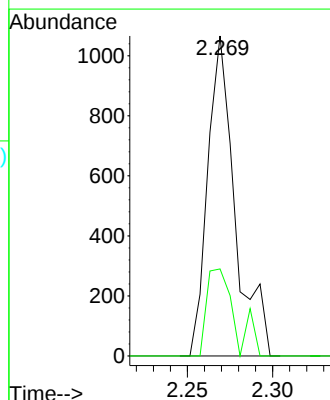
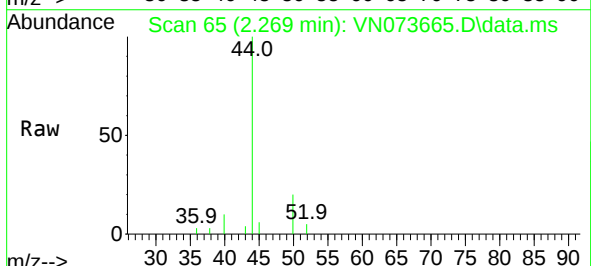
Instrument :
MSVOA_N
ClientSampleId :

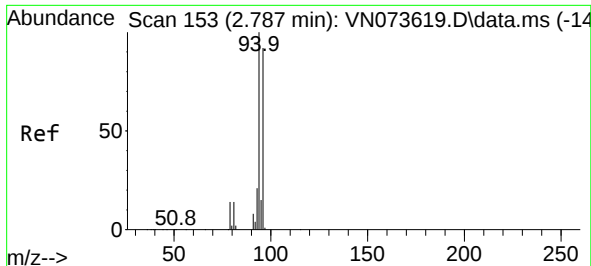
Tgt Ion:168 Resp: 327365
Ion Ratio Lower Upper
168 100
99 54.5 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Tgt Ion: 50 Resp: 1189
Ion Ratio Lower Upper
50 100
52 27.2 25.7 38.5

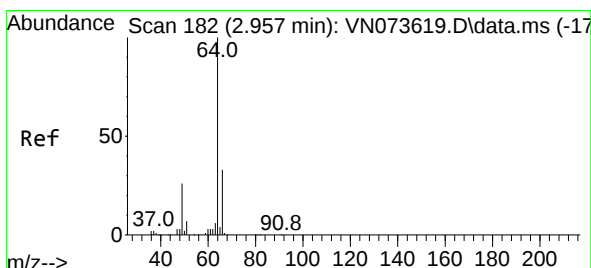
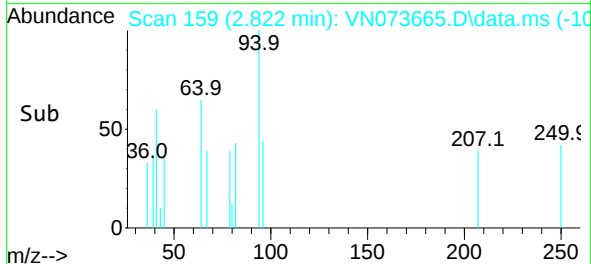
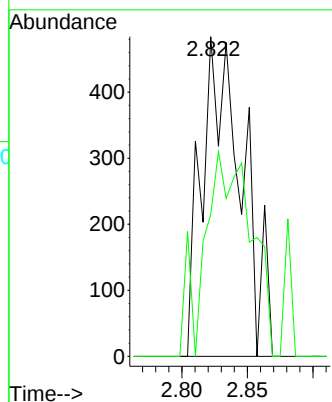
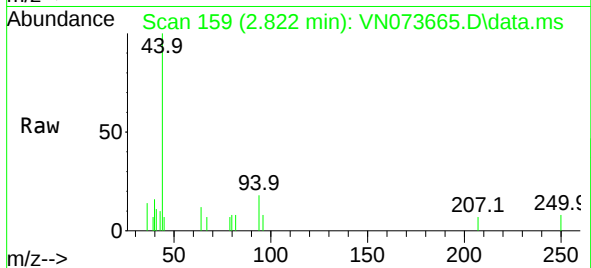




#5
Bromomethane
Concen: 0.321 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

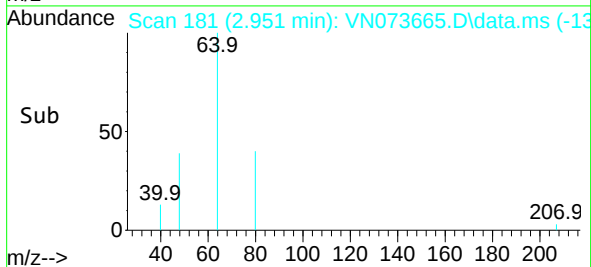
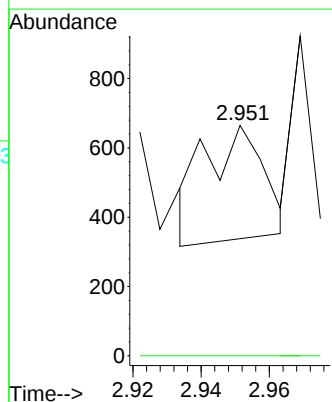
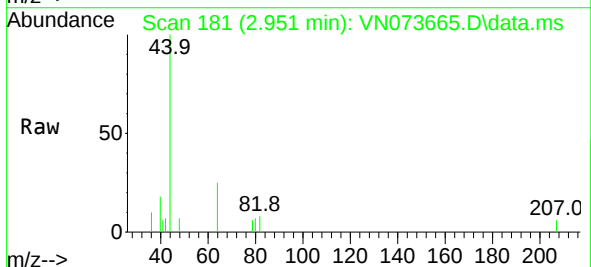
Instrument :
MSVOA_N
ClientSampleId :

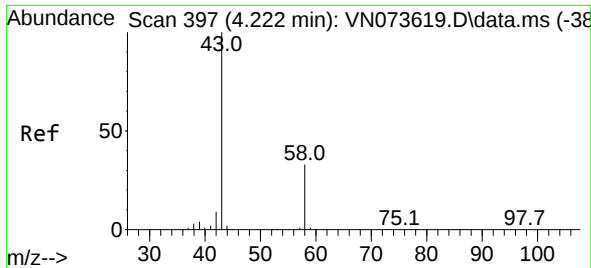
Tgt Ion: 94 Resp: 1035
Ion Ratio Lower Upper
94 100
96 44.4 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 181
Delta R.T. -0.006 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Tgt Ion: 64 Resp: 395
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

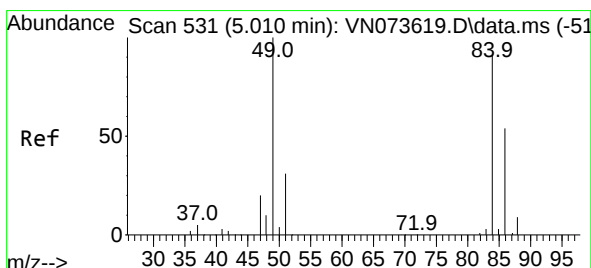
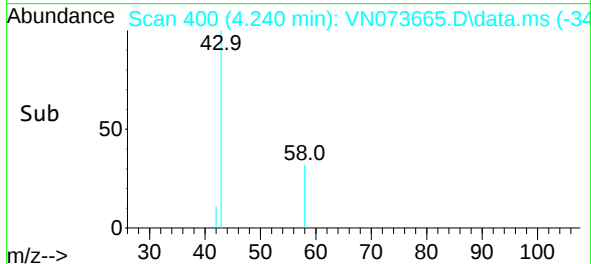
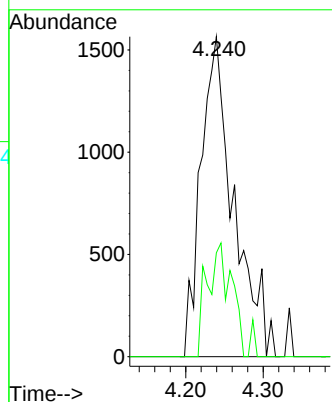
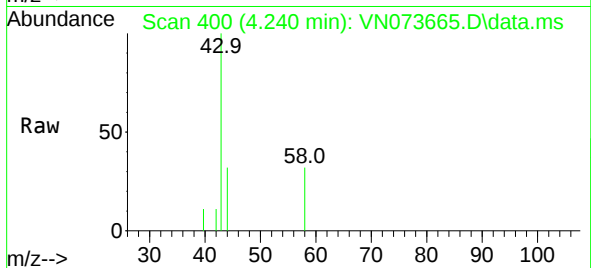




#16
Acetone
Concen: 2.152 ug/l
RT: 4.240 min Scan# 40
Delta R.T. 0.018 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

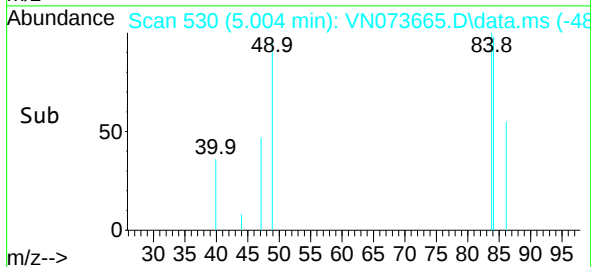
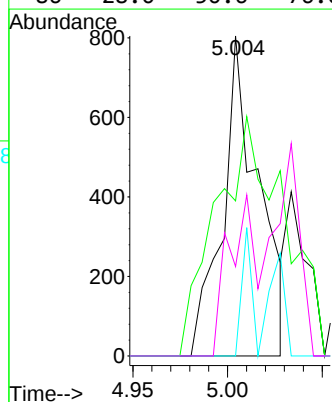
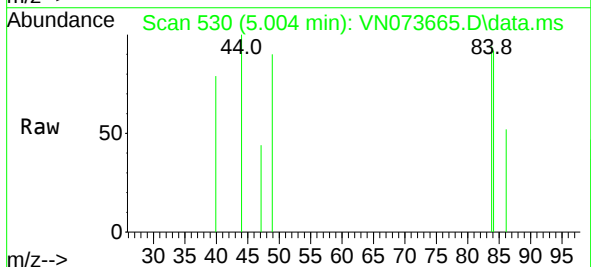
Instrument :
MSVOA_N
ClientSampleId :

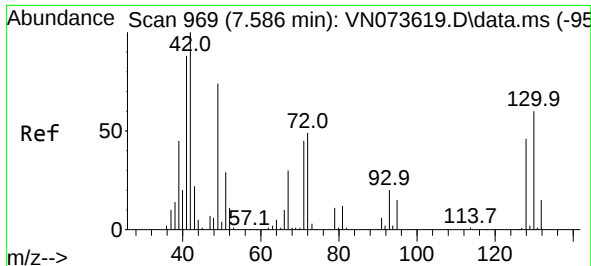
Tgt Ion: 43 Resp: 4611
Ion Ratio Lower Upper
43 100
58 32.5 26.0 39.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Tgt Ion: 84 Resp: 1068
Ion Ratio Lower Upper
84 100
49 48.4 88.3 132.5#
51 0.0 28.2 42.2#
86 28.0 50.6 76.0#

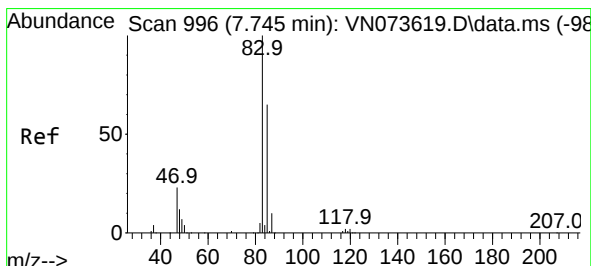
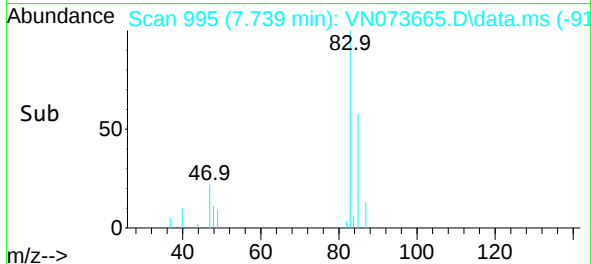
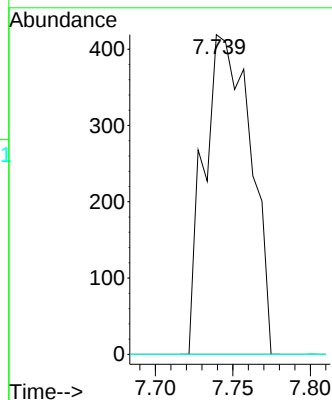
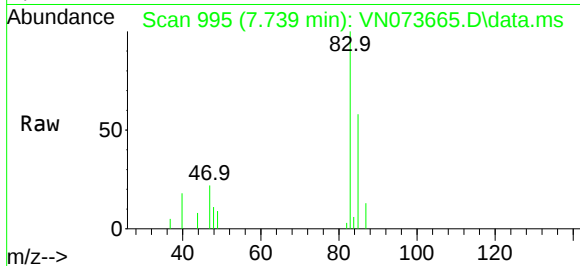




#28
Bromochloromethane
Concen: 0.316 ug/l
RT: 7.739 min Scan# 995
Delta R.T. 0.153 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

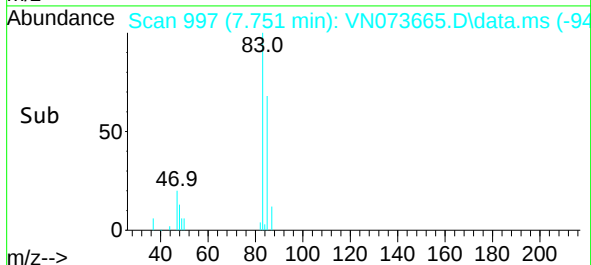
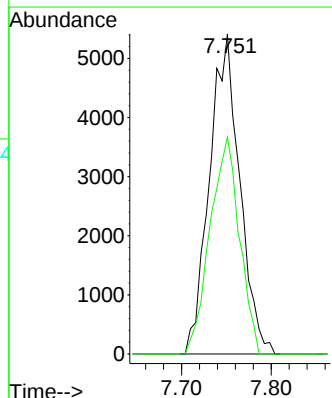
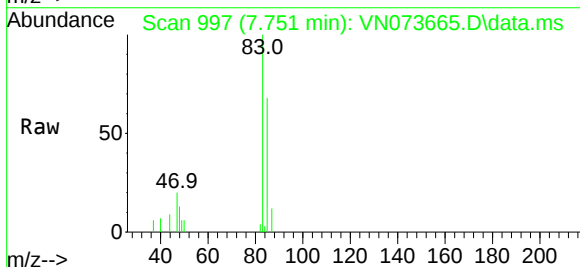
Instrument :
MSVOA_N
ClientSampleId :

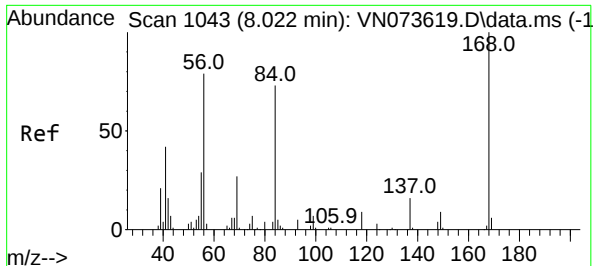
Tgt Ion: 49 Resp: 875
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#30
Chloroform
Concen: 1.843 ug/l
RT: 7.751 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

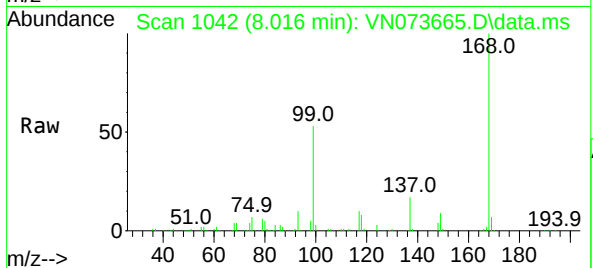
Tgt Ion: 83 Resp: 12658
Ion Ratio Lower Upper
83 100
85 67.7 51.8 77.8



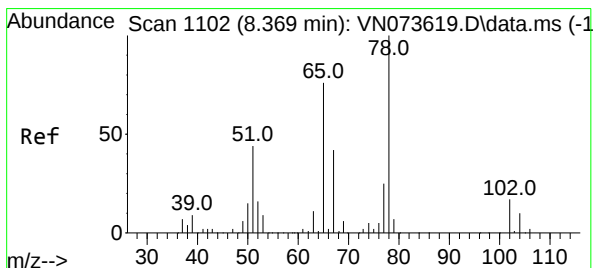
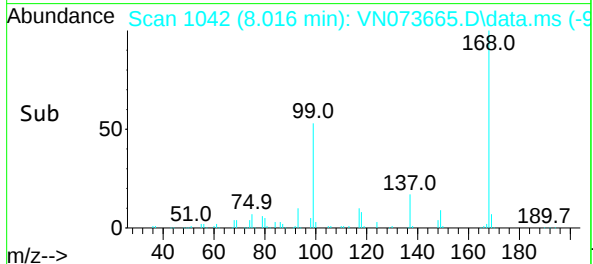
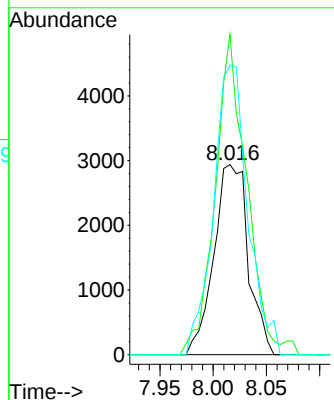


#31
Cyclohexane
Concen: 1.112 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Instrument :
MSVOA_N
ClientSampleId :

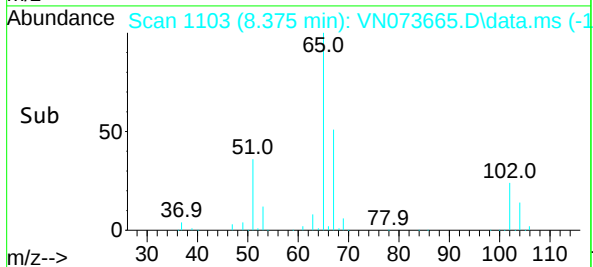
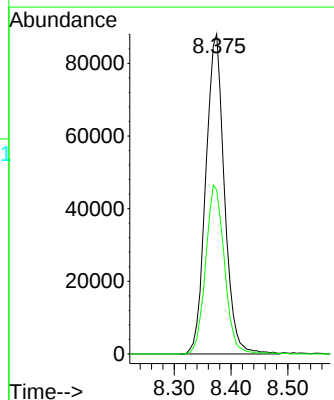
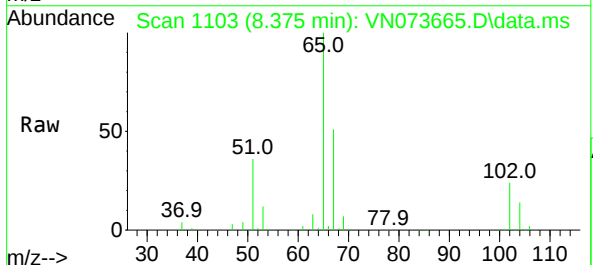


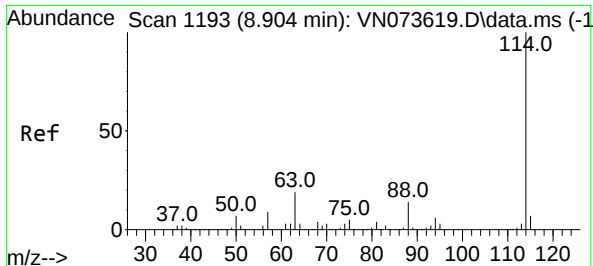
Tgt Ion: 56 Resp: 6603
Ion Ratio Lower Upper
56 100
69 168.4 27.8 41.8#
84 152.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.072 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Tgt Ion: 65 Resp: 199760
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

Instrument :

MSVOA_N

ClientSampleId :

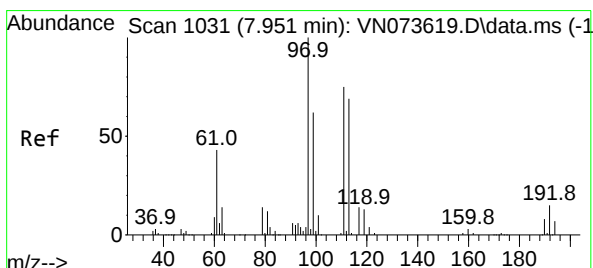
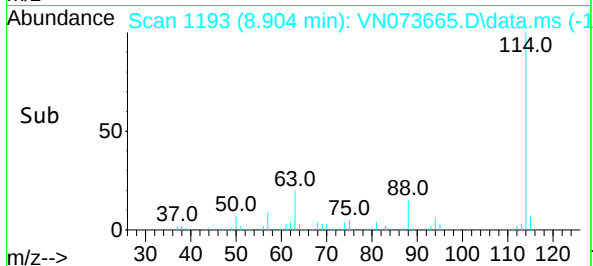
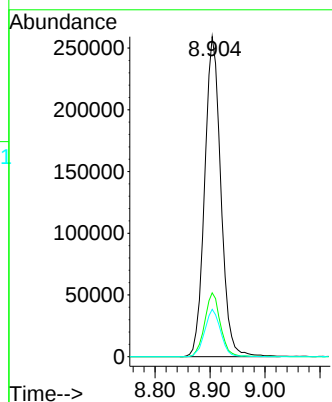
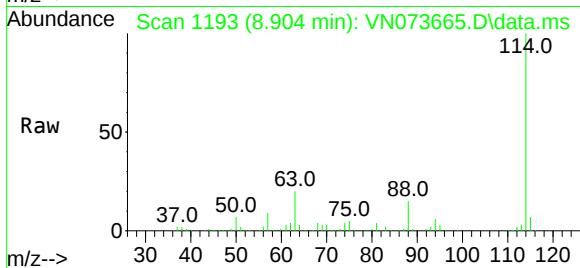
Tgt Ion:114 Resp: 530827

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 56.279 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

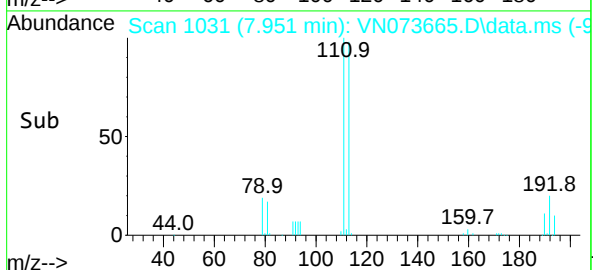
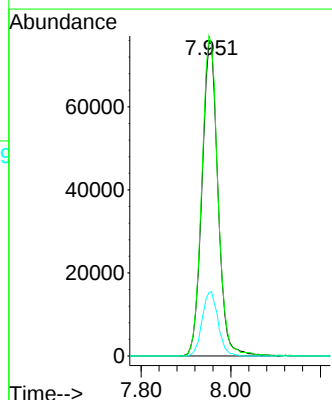
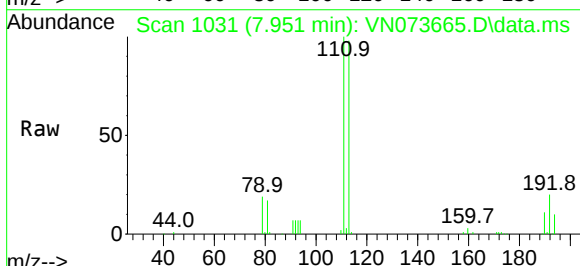
Tgt Ion:113 Resp: 187592

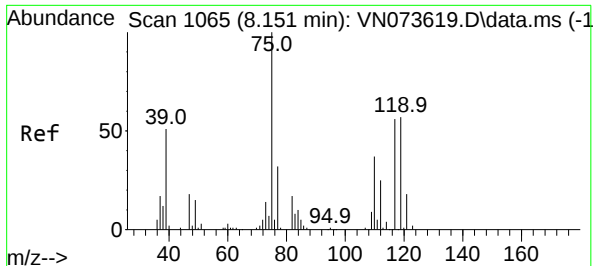
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

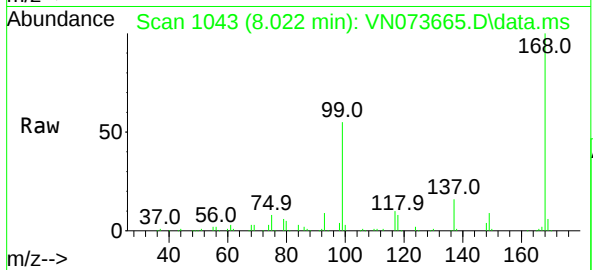
192 20.3 17.0 25.6



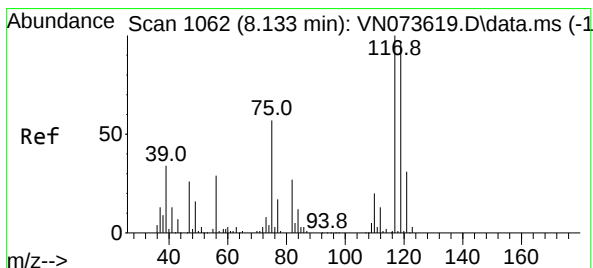
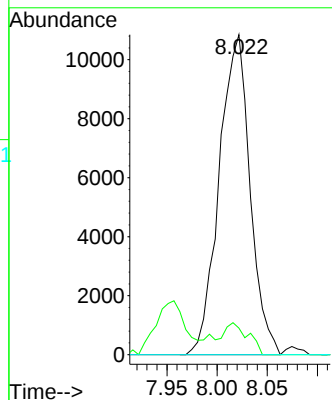
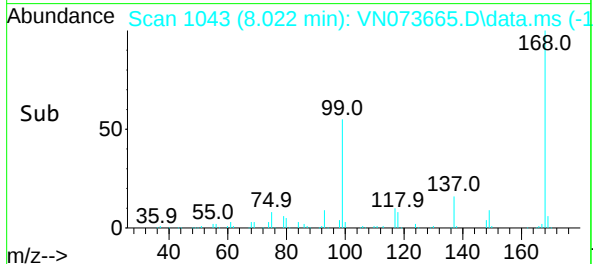


#36
1,1-Dichloropropene
Concen: 4.883 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

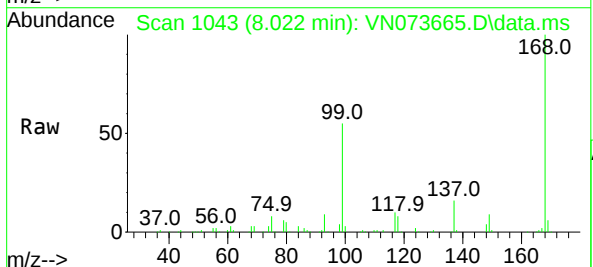
Instrument :
MSVOA_N
ClientSampleId :



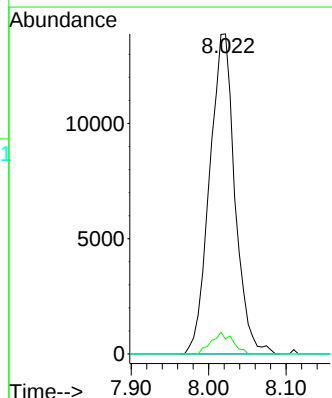
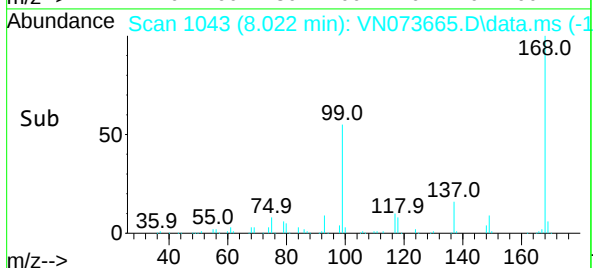
Tgt Ion: 75 Resp: 23200
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.0 25.1 37.7#

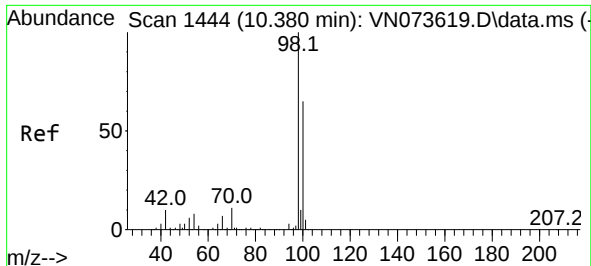


#38
Carbon Tetrachloride
Concen: 6.532 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21



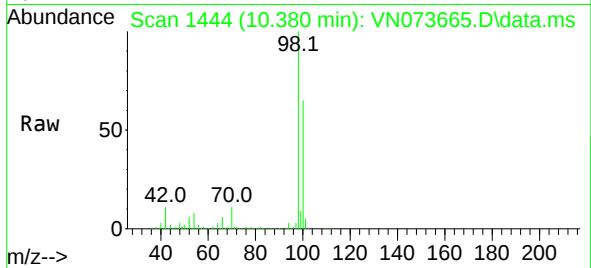
Tgt Ion: 117 Resp: 31517
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#



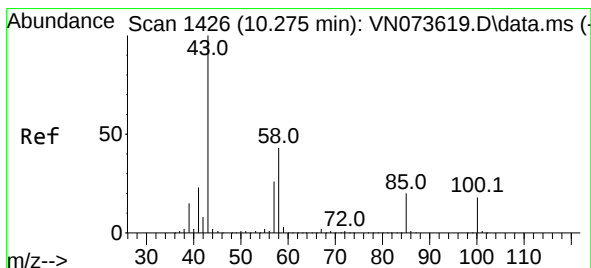
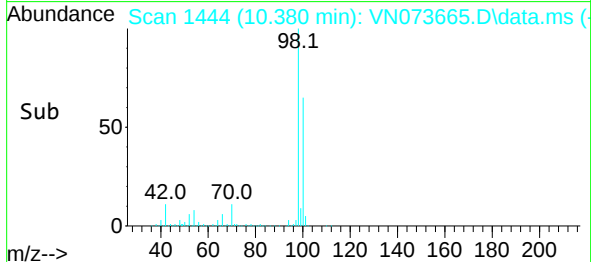
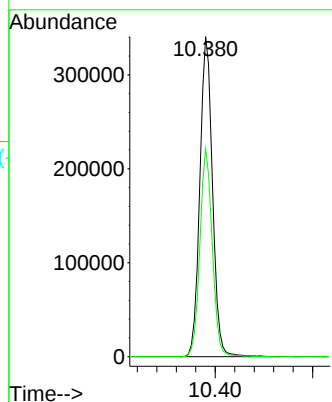


#50
Toluene-d8
Concen: 46.898 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Instrument :
MSVOA_N
ClientSampleId :

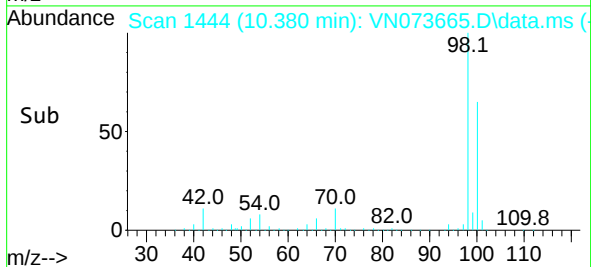
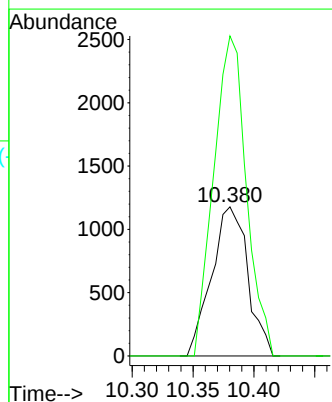
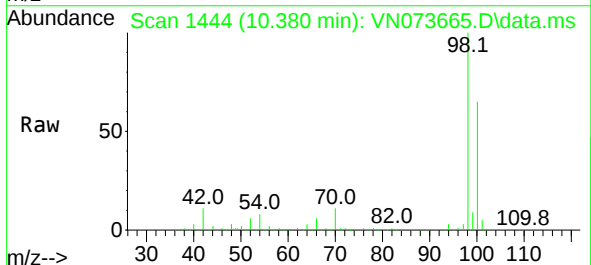


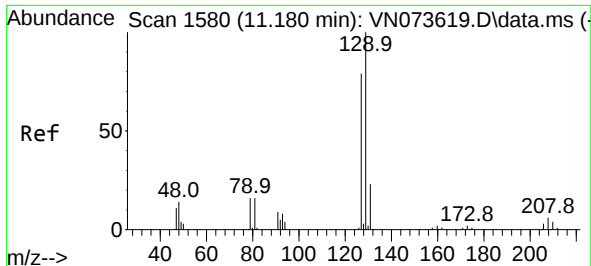
Tgt Ion: 98 Resp: 615153
Ion Ratio Lower Upper
98 100
100 63.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.402 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.105 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Tgt Ion: 43 Resp: 2435
Ion Ratio Lower Upper
43 100
58 193.9 34.1 51.1#

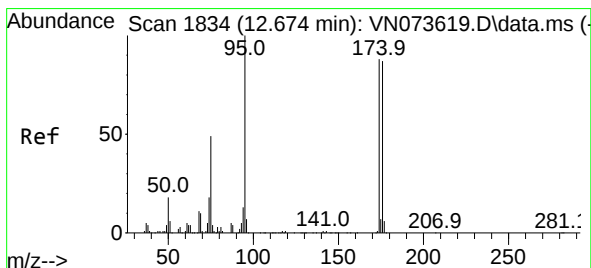
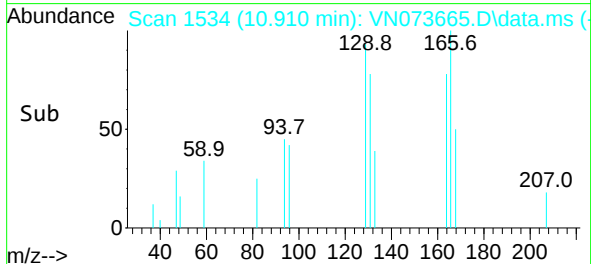
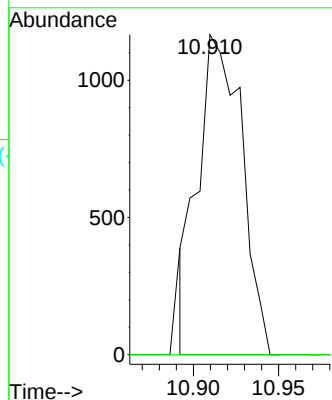
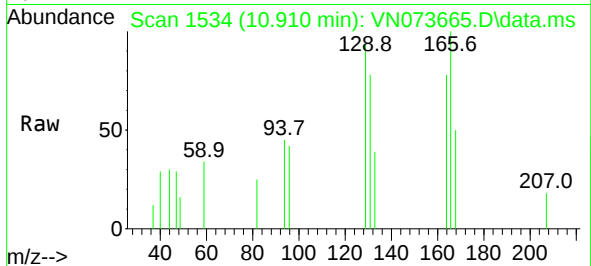




#60
Dibromochloromethane
Concen: 0.534 ug/l
RT: 10.910 min Scan# 11
Delta R.T. -0.271 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

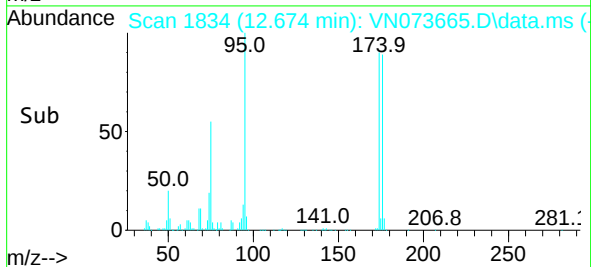
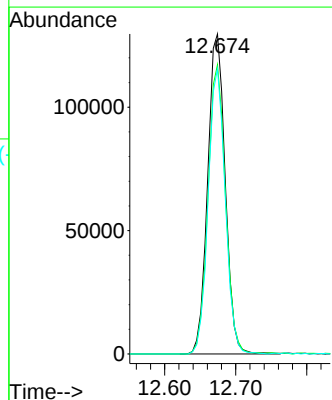
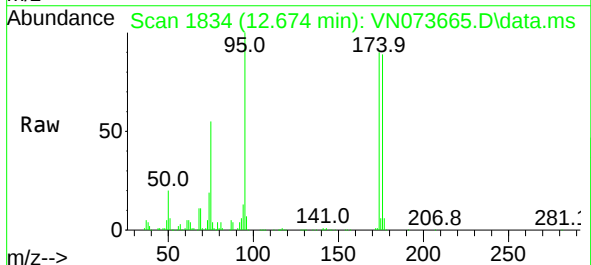
Instrument :
MSVOA_N
ClientSampleId :

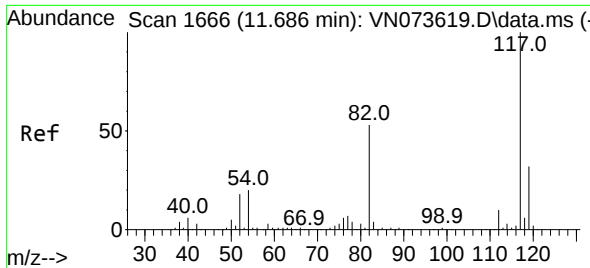
Tgt Ion:129 Resp: 2087
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.679 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

Tgt Ion: 95 Resp: 222673
Ion Ratio Lower Upper
95 100
174 90.0 0.0 167.6
176 86.6 0.0 163.4

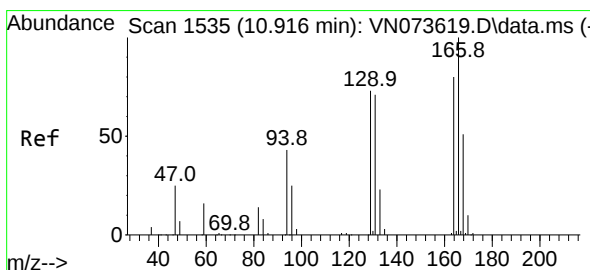
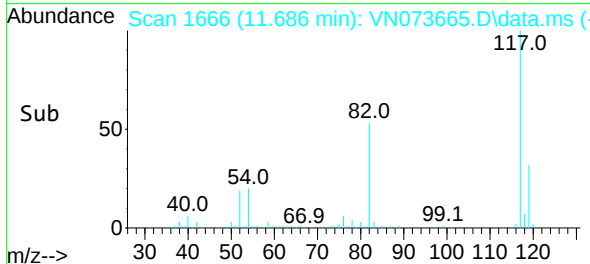
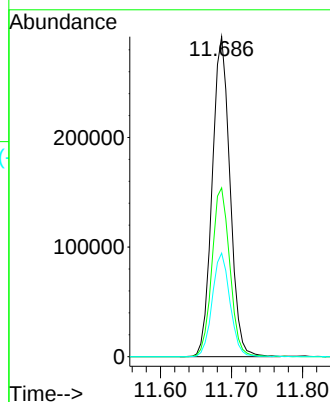
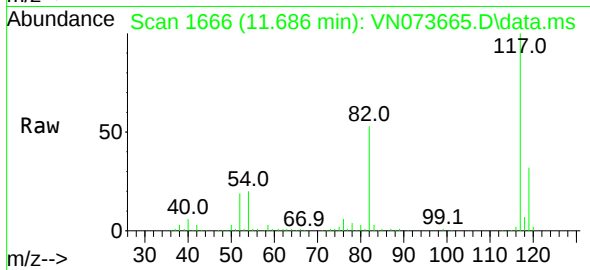




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

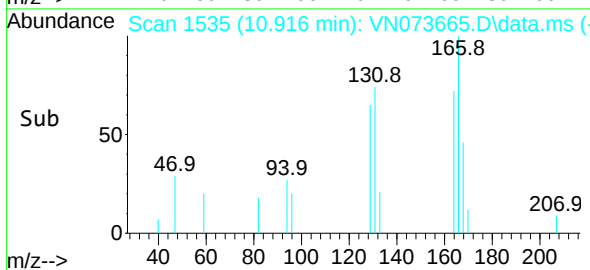
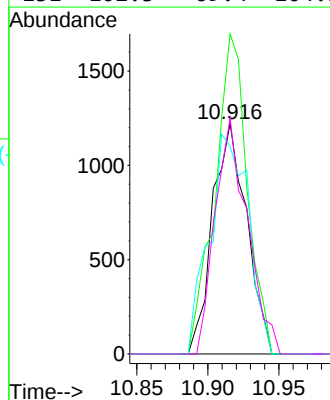
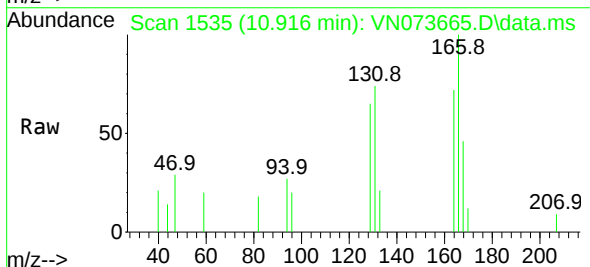
Instrument :
MSVOA_N
ClientSampleId :

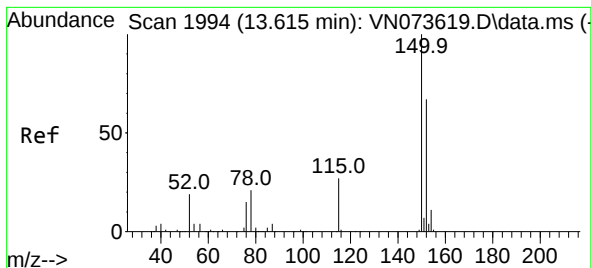
Tgt Ion:117 Resp: 507648
Ion Ratio Lower Upper
117 100
82 52.7 44.2 66.2
119 32.4 25.4 38.0



#64
Tetrachloroethene
Concen: 0.505 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

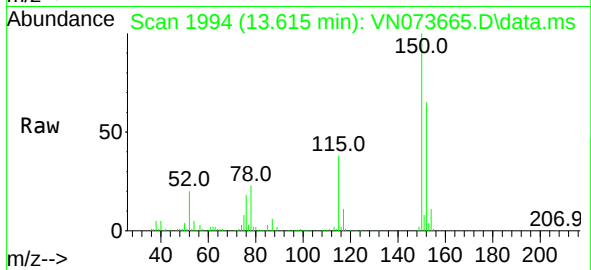
Tgt Ion:164 Resp: 2037
Ion Ratio Lower Upper
164 100
166 138.9 104.2 156.2
129 90.2 73.9 110.9
131 102.3 69.4 104.2



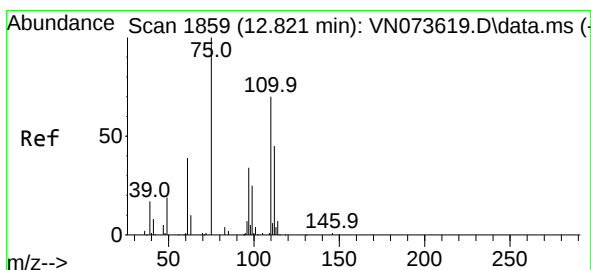
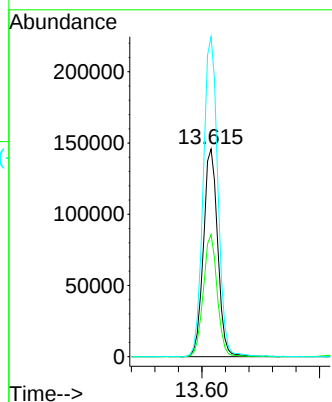
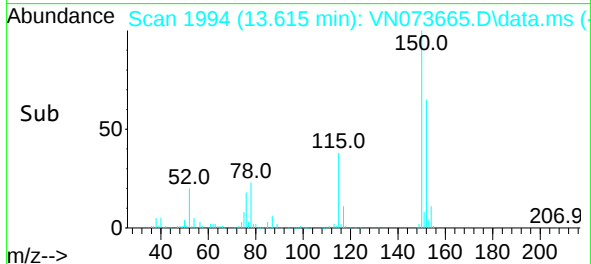


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: VN073665.D
 Acq: 01 Aug 2022 17:21

Instrument :
 MSVOA_N
 ClientSampleId :

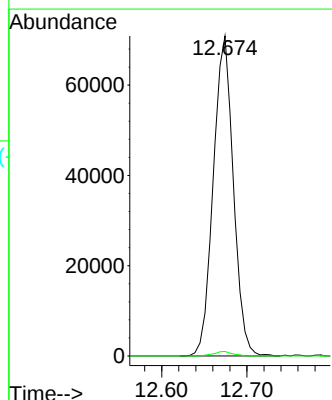
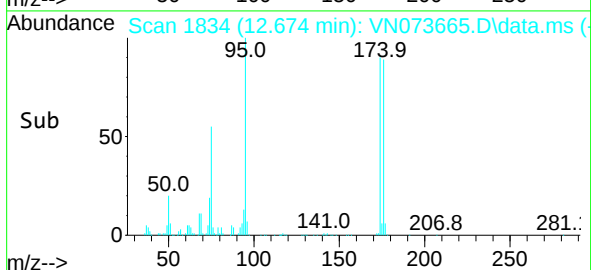
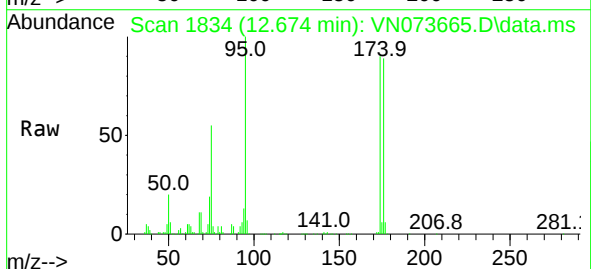


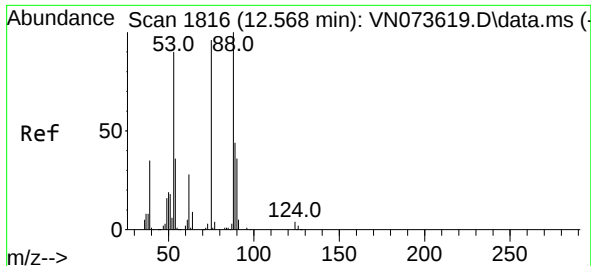
Tgt Ion:152 Resp: 246118
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.9 86.7
 150 157.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.112 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073665.D
 Acq: 01 Aug 2022 17:21

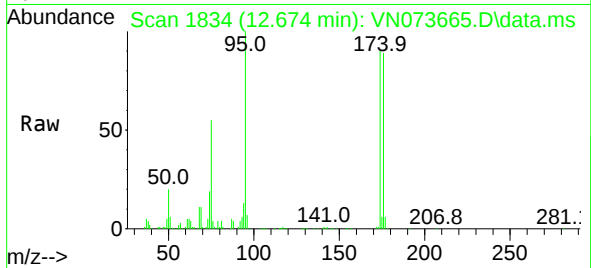
Tgt Ion: 75 Resp: 116240
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#



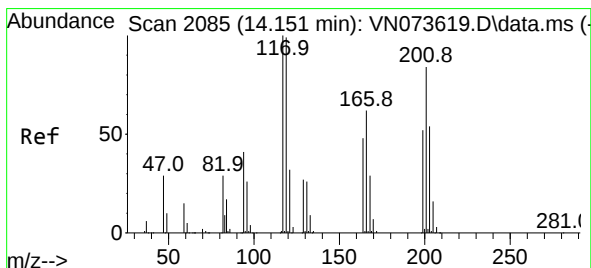
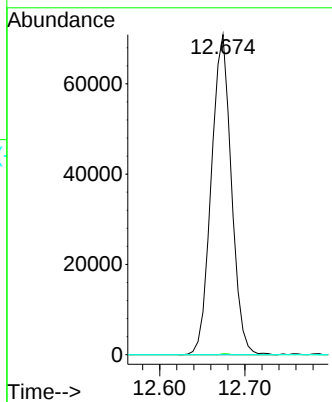
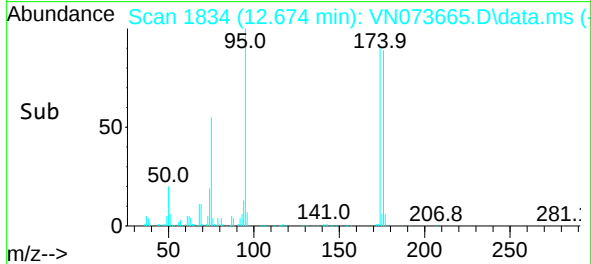


#81
trans-1,4-Dichloro-2-butene
Concen: 61.206 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.106 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21

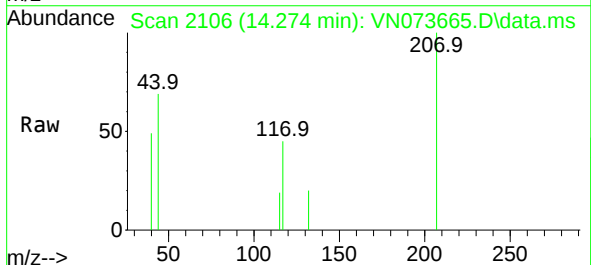
Instrument :
MSVOA_N
ClientSampleId :



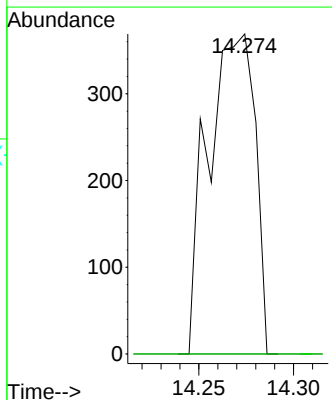
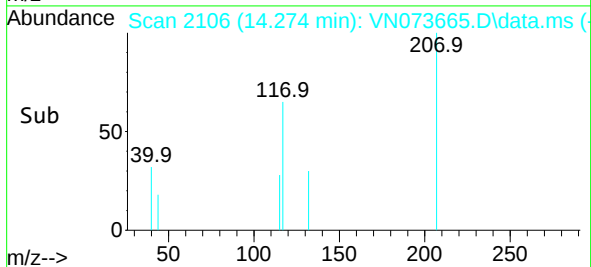
Tgt Ion: 75 Resp: 116240
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

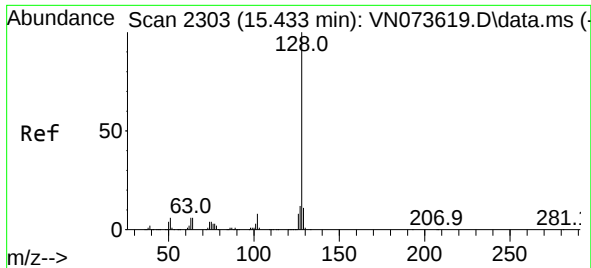


#90
Hexachloroethane
Concen: 0.225 ug/l
RT: 14.274 min Scan# 2106
Delta R.T. 0.123 min
Lab File: VN073665.D
Acq: 01 Aug 2022 17:21



Tgt Ion: 117 Resp: 638
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#95

Naphthalene

Concen: 7.357 ug/l

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

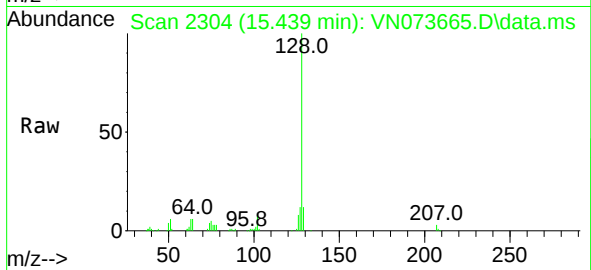
Lab File: VN073665.D

Acq: 01 Aug 2022 17:21

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 102889

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.6 8.6 13.0

