

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070122\
 Data File : VN073304.D
 Acq On : 01 Jul 2022 18:04
 Operator : JC\MD
 Sample : N3569-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-95-80

Quant Time: Jul 04 05:07:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

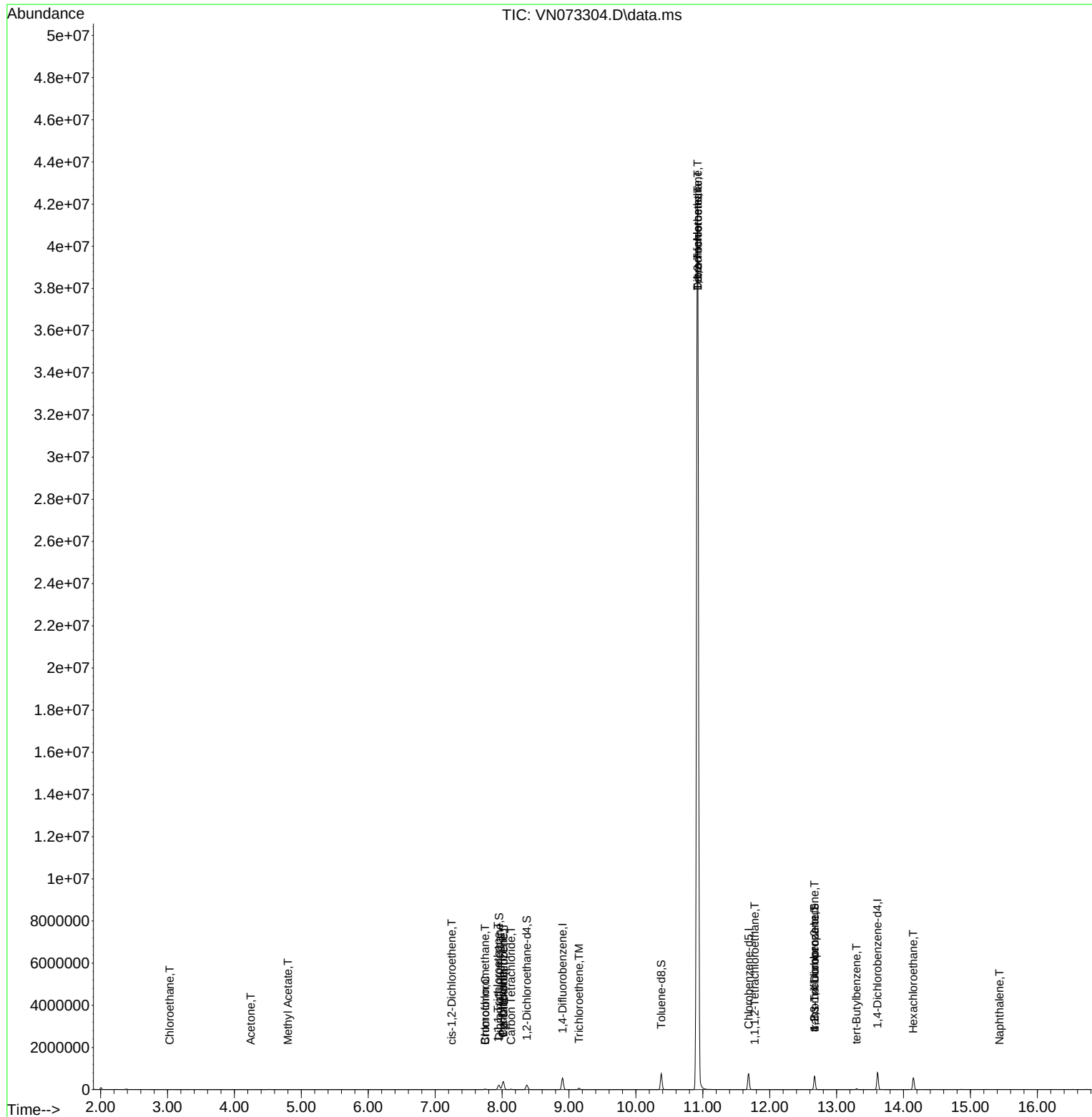
Internal Standards						
1) Pentafluorobenzene	8.022	168	289576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	484277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	440268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	214664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	182732	43.712	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.420%
35) Dibromofluoromethane	7.957	113	153210	47.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.100%
50) Toluene-d8	10.380	98	511354	44.686	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.380%
62) 4-Bromofluorobenzene	12.668	95	219199	49.845	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.680%
Target Compounds						
					Qvalue	
6) Chloroethane	3.034	64	625	0.304	ug/l #	42
16) Acetone	4.245	43	3840	1.636	ug/l #	86
18) Methyl Acetate	4.798	43	1418	0.216	ug/l #	48
27) cis-1,2-Dichloroethene	7.245	96	900	0.209	ug/l	79
28) Bromochloromethane	7.745	49	2254	0.776	ug/l #	8
30) Chloroform	7.751	83	27773	3.976	ug/l	94
31) Cyclohexane	8.010	56	6927	1.012	ug/l #	63
32) 1,1,1-Trichloroethane	7.939	97	8680	1.395	ug/l	95
36) 1,1-Dichloropropene	8.022	75	25213	5.086	ug/l #	49
38) Carbon Tetrachloride	8.133	117	15123	2.950	ug/l	95
44) Trichloroethene	9.151	130	25618	6.580	ug/l	97
55) 1,1,2-Trichloroethane	10.921	97	115240	29.605	ug/l #	1
60) Dibromochloromethane	10.921	129	10130463	2729.602	ug/l #	11
64) Tetrachloroethene	10.921	164	9737427	2708.519	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.774	131	752	0.205	ug/l #	65
76) 1,2,3-Trichloropropane	12.668	75	115704	20.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	115704	56.532	ug/l #	10
83) tert-Butylbenzene	13.298	119	6419	0.474	ug/l #	39
90) Hexachloroethane	14.145	117	113068	41.292	ug/l	88
95) Naphthalene	15.433	128	5954	0.360	ug/l #	93

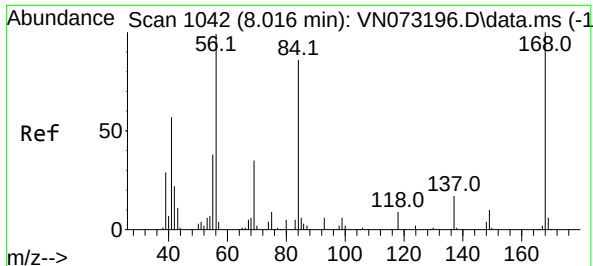
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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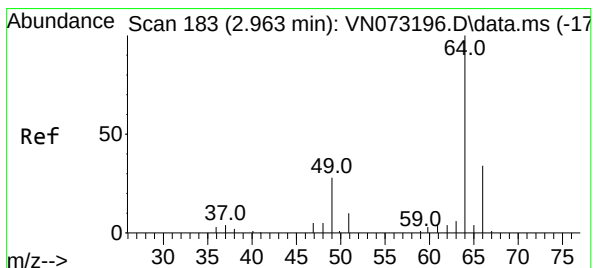
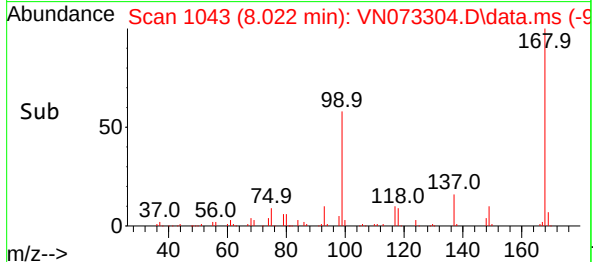
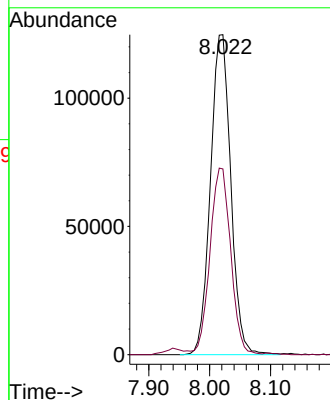
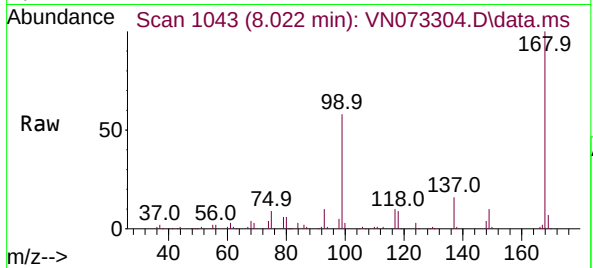




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

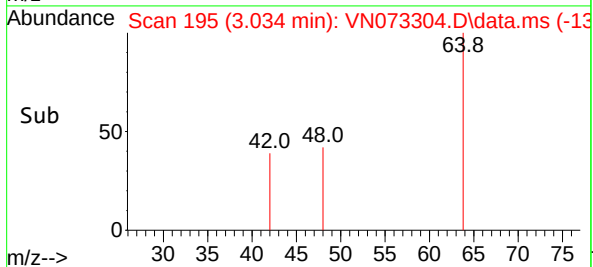
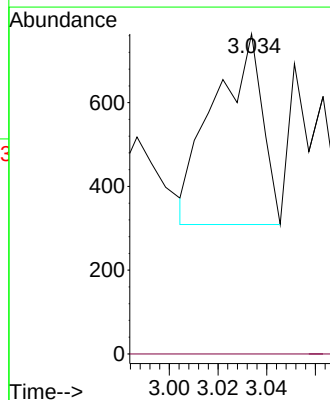
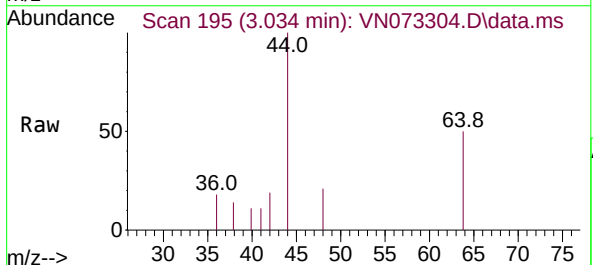
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80

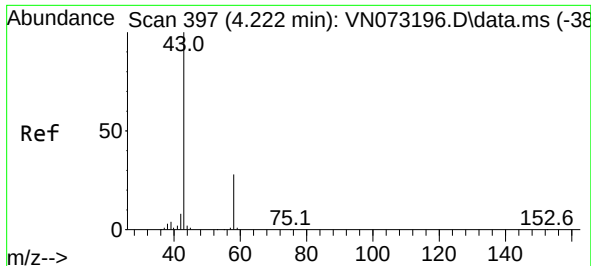
Tgt Ion:168 Resp: 289576
Ion Ratio Lower Upper
168 100
99 57.9 42.3 63.5



#6
Chloroethane
Concen: 0.304 ug/l
RT: 3.034 min Scan# 195
Delta R.T. 0.071 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

Tgt Ion: 64 Resp: 625
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

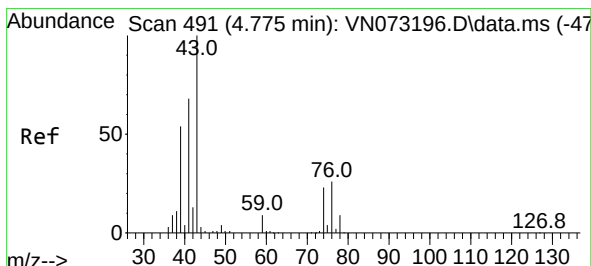
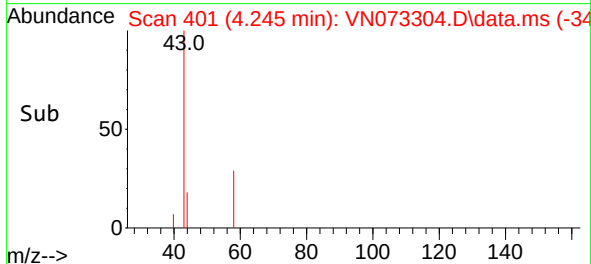
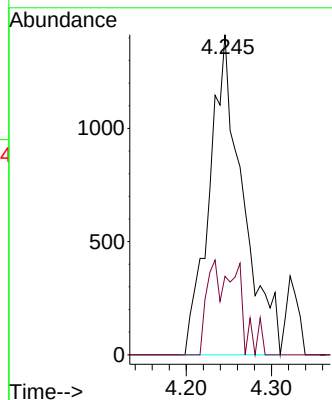
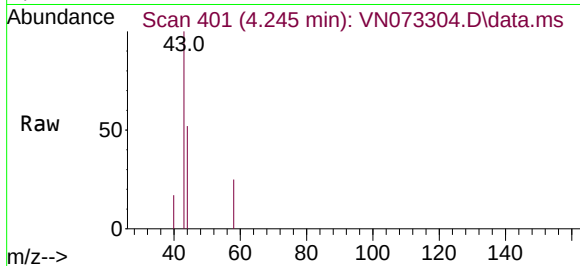




#16
Acetone
Concen: 1.636 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.023 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

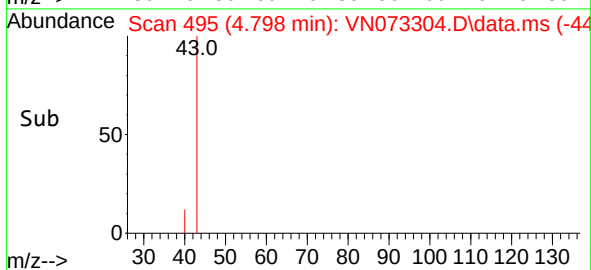
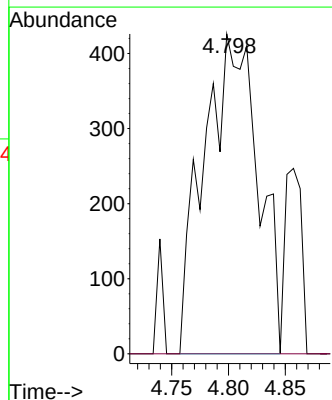
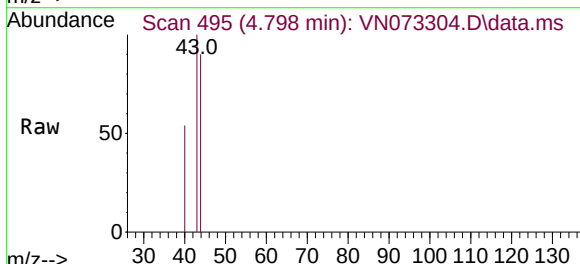
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80

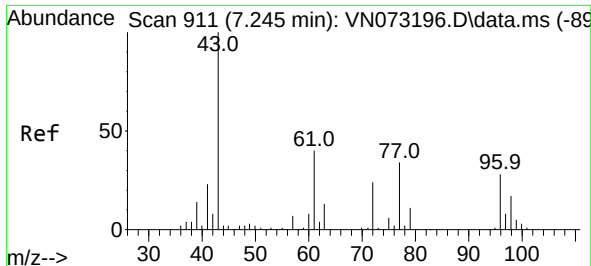
Tgt Ion: 43 Resp: 3840
Ion Ratio Lower Upper
43 100
58 24.5 26.0 39.0#



#18
Methyl Acetate
Concen: 0.216 ug/l
RT: 4.798 min Scan# 495
Delta R.T. 0.023 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

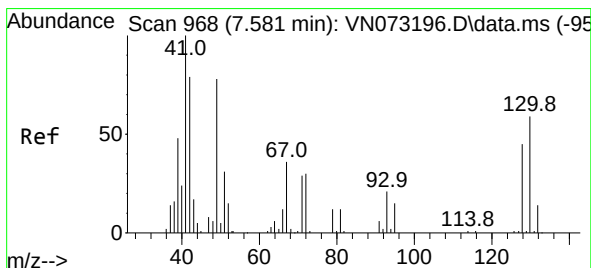
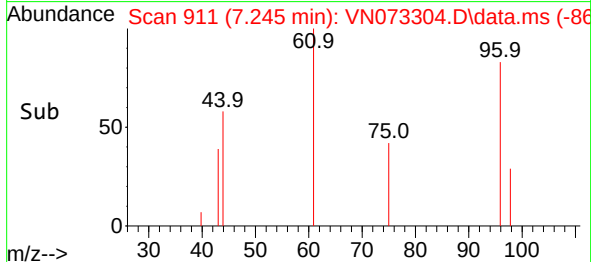
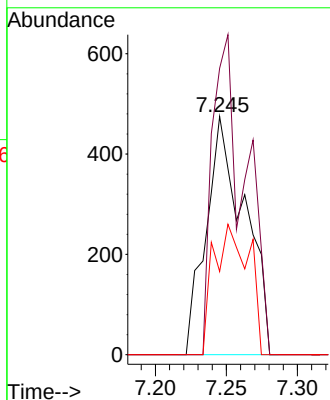
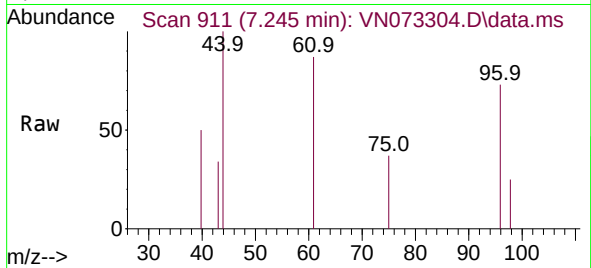




#27
 cis-1,2-Dichloroethene
 Concen: 0.209 ug/l
 RT: 7.245 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VN073304.D
 Acq: 01 Jul 2022 18:04

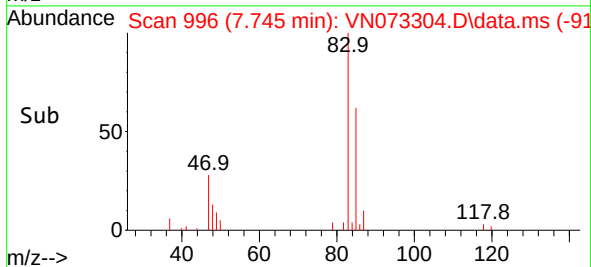
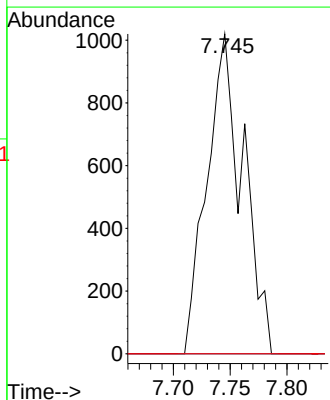
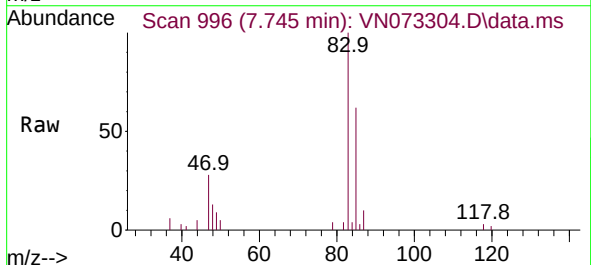
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-95-80

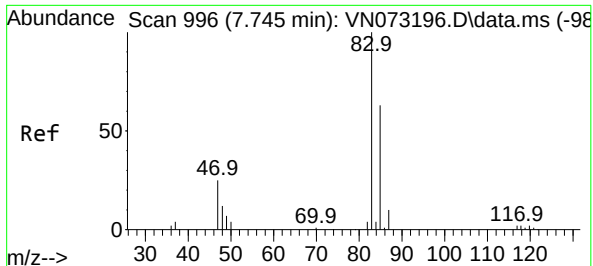
Tgt Ion: 96 Resp: 900
 Ion Ratio Lower Upper
 96 100
 61 113.1 0.0 280.6
 98 49.6 0.0 128.4



#28
 Bromochloromethane
 Concen: 0.776 ug/l
 RT: 7.745 min Scan# 996
 Delta R.T. 0.164 min
 Lab File: VN073304.D
 Acq: 01 Jul 2022 18:04

Tgt Ion: 49 Resp: 2254
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.6
 130 0.0 69.7 104.5#

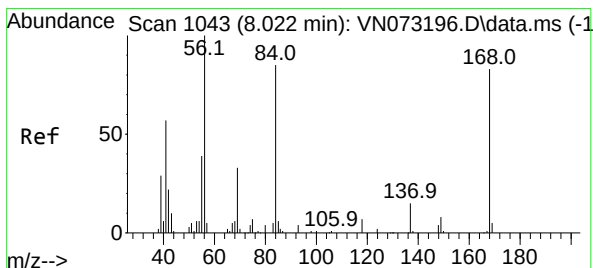
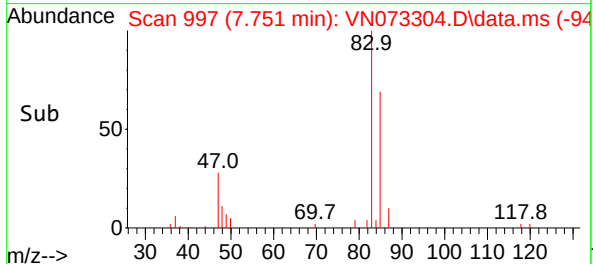
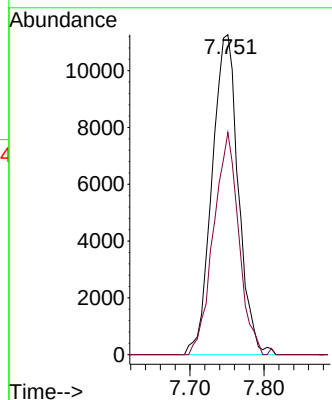
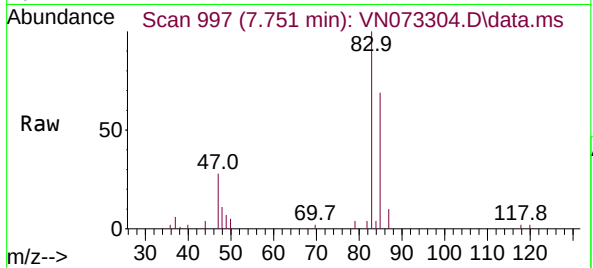




#30
Chloroform
Concen: 3.976 ug/l
RT: 7.751 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

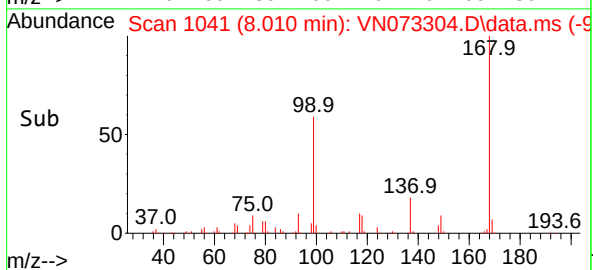
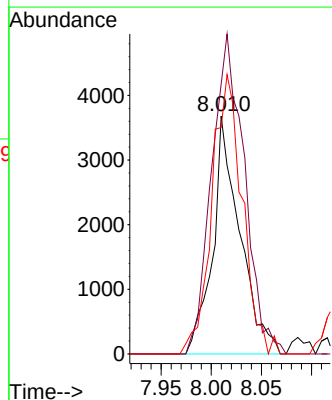
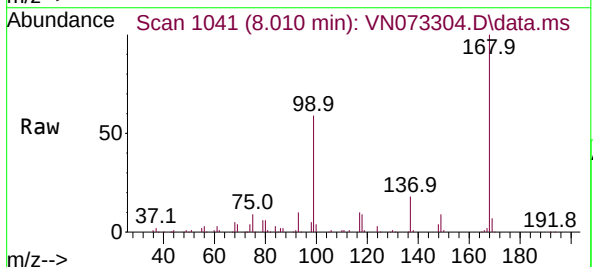
Instrument :
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ClientSampleId :
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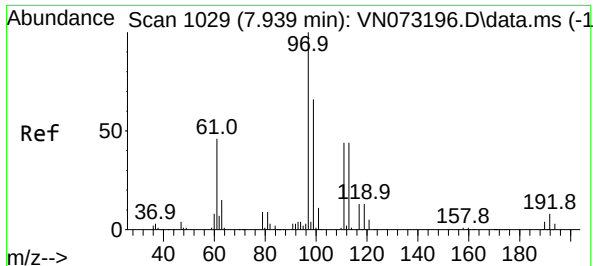
Tgt Ion: 83 Resp: 27773
Ion Ratio Lower Upper
83 100
85 69.4 51.8 77.8



#31
Cyclohexane
Concen: 1.012 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

Tgt Ion: 56 Resp: 6927
Ion Ratio Lower Upper
56 100
69 113.5 27.8 41.8#
84 95.2 76.9 115.3





#32

1,1,1-Trichloroethane

Concen: 1.395 ug/l

RT: 7.939 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073304.D

Acq: 01 Jul 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-95-80

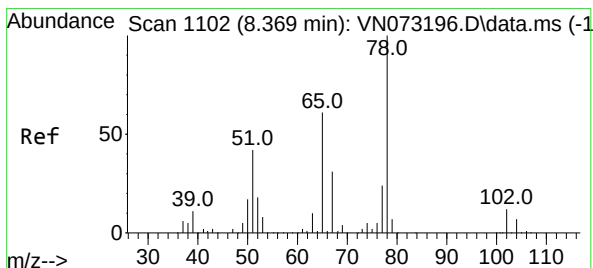
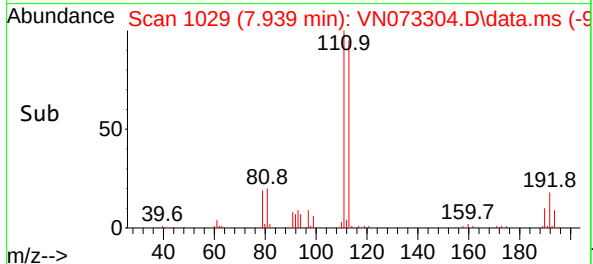
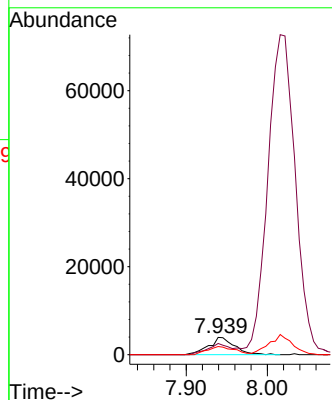
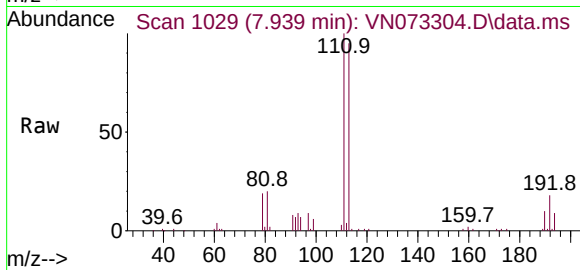
Tgt Ion: 97 Resp: 8680

Ion Ratio Lower Upper

97 100

99 65.2 50.6 76.0

61 50.2 36.0 54.0



#33

1,2-Dichloroethane-d4

Concen: 43.712 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073304.D

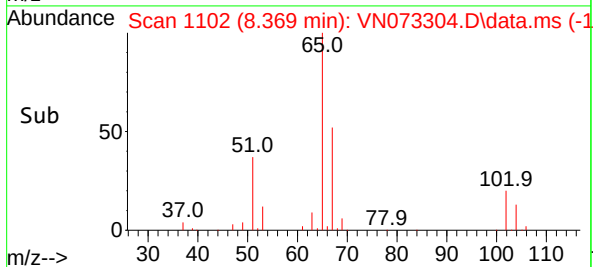
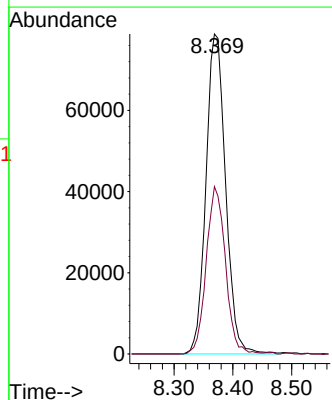
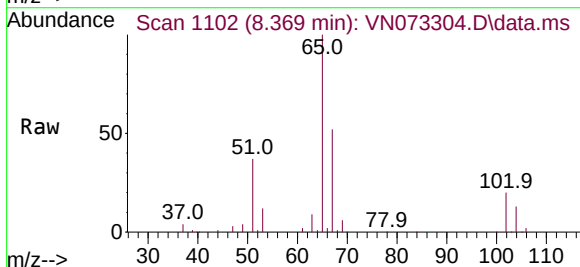
Acq: 01 Jul 2022 18:04

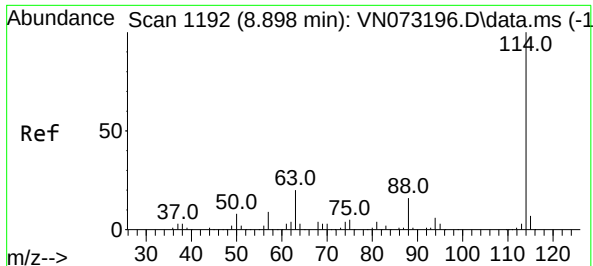
Tgt Ion: 65 Resp: 182732

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073304.D

Acq: 01 Jul 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-95-80

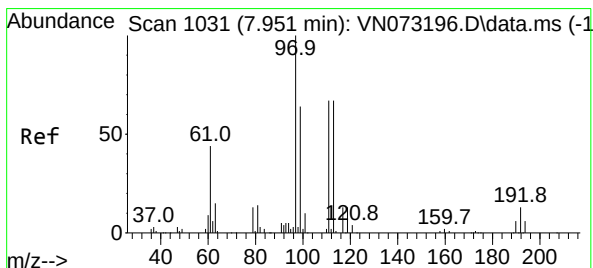
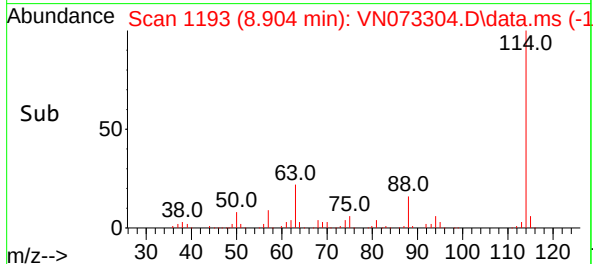
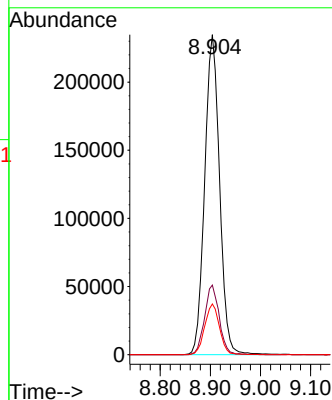
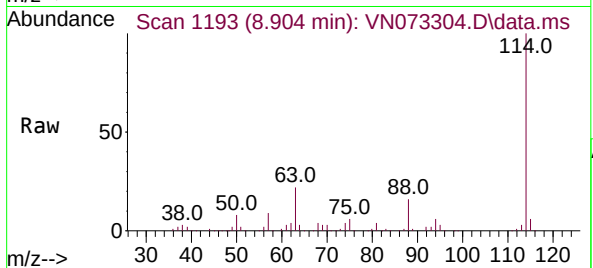
Tgt Ion:114 Resp: 484277

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.552 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073304.D

Acq: 01 Jul 2022 18:04

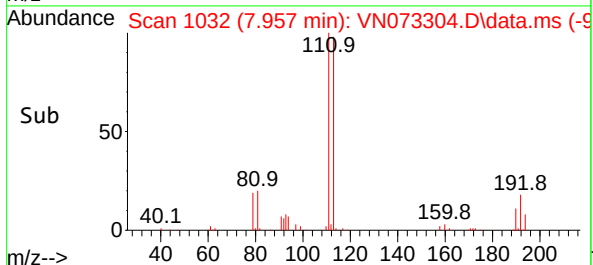
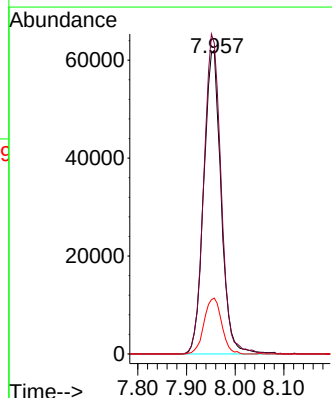
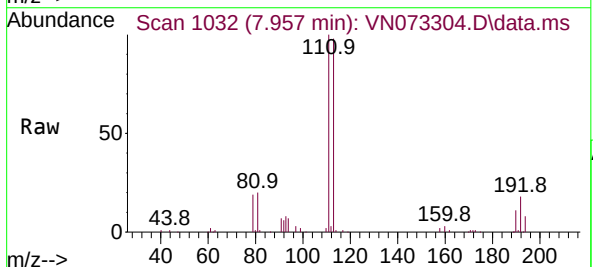
Tgt Ion:113 Resp: 153210

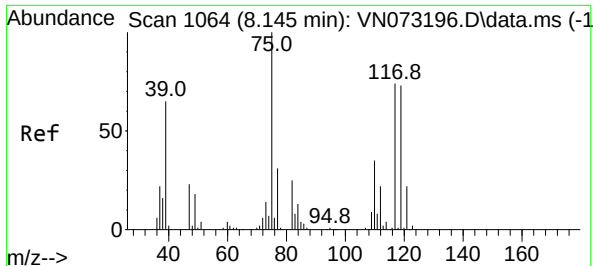
Ion Ratio Lower Upper

113 100

111 104.9 81.4 122.0

192 18.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.086 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.123 min

Lab File: VN073304.D

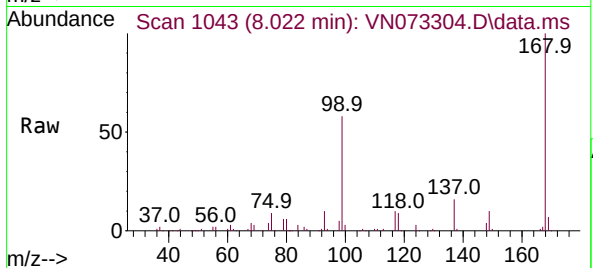
Acq: 01 Jul 2022 18:04

Instrument :

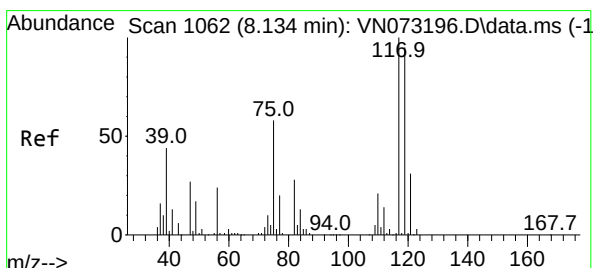
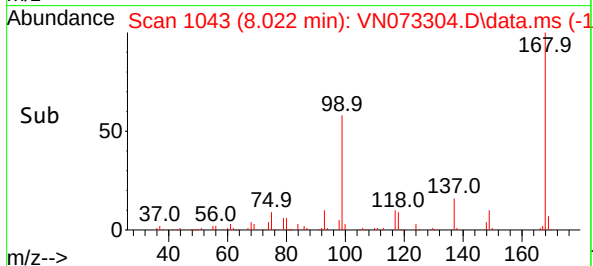
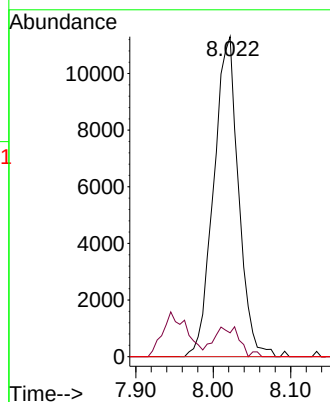
MSVOA_N

ClientSampleId :

152140-SPC-95-80



Tgt Ion: 75	Resp: 25213
Ion Ratio	Lower Upper
75	100
110	9.7 18.3 54.8#
77	0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 2.950 ug/l

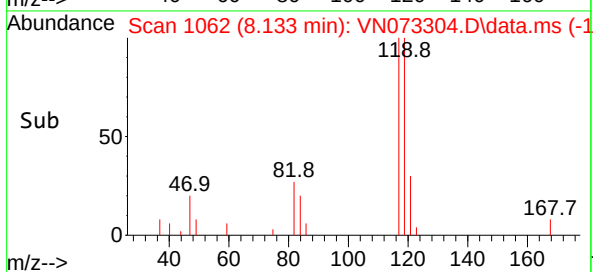
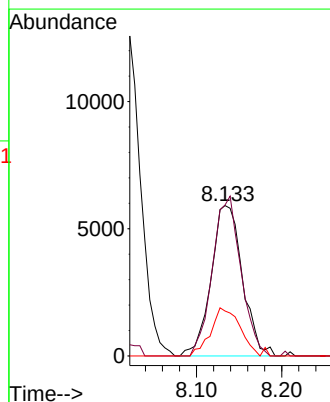
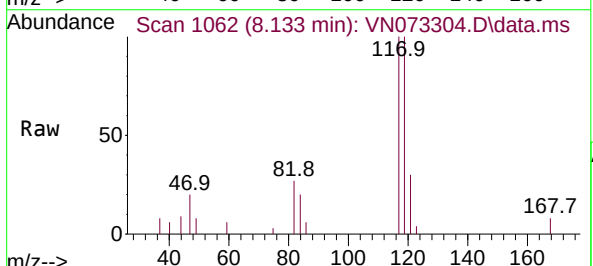
RT: 8.133 min Scan# 1062

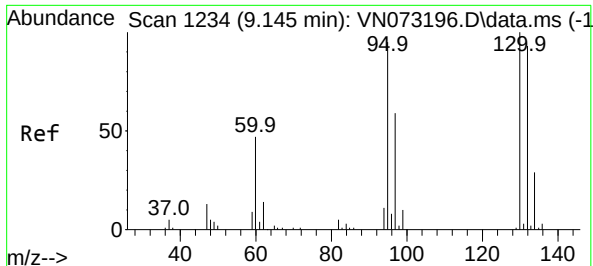
Delta R.T. -0.001 min

Lab File: VN073304.D

Acq: 01 Jul 2022 18:04

Tgt Ion: 117	Resp: 15123
Ion Ratio	Lower Upper
117	100
119	100.3 75.8 113.8
121	29.9 24.6 37.0

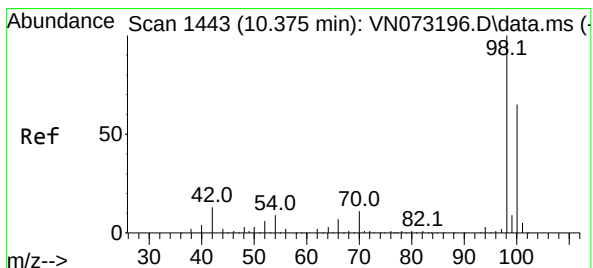
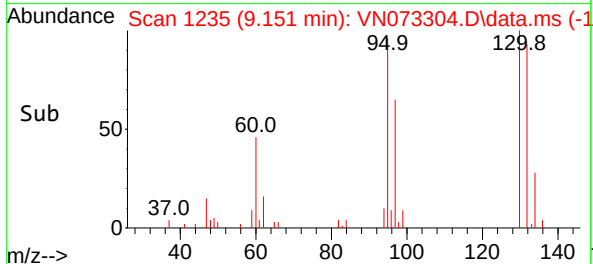
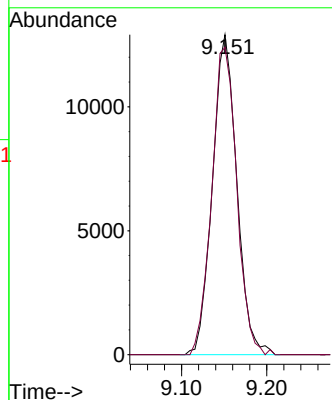
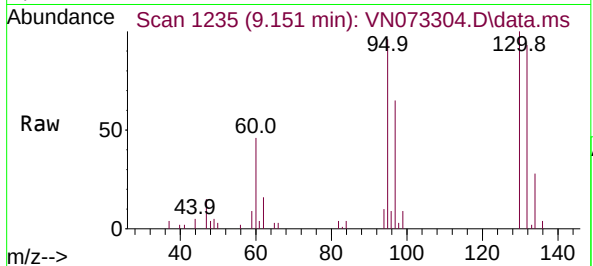




#44
 Trichloroethene
 Concen: 6.580 ug/l
 RT: 9.151 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VN073304.D
 Acq: 01 Jul 2022 18:04

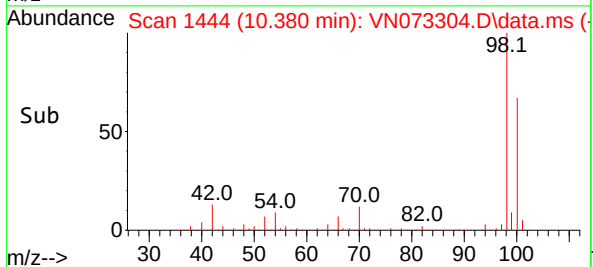
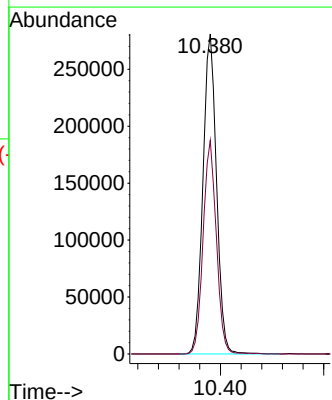
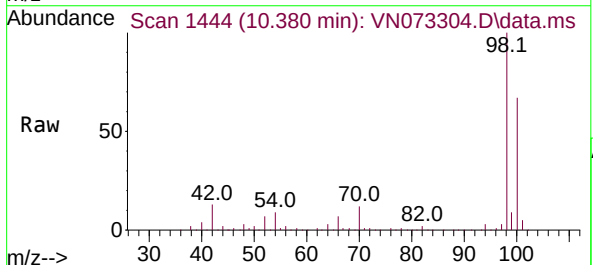
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-95-80

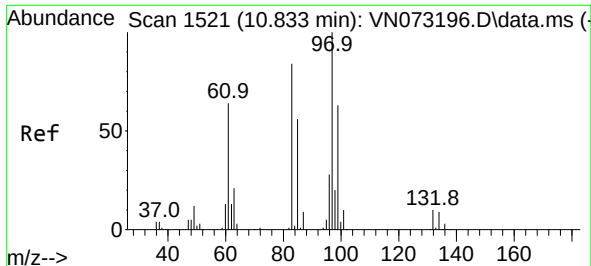
Tgt Ion:130 Resp: 25618
 Ion Ratio Lower Upper
 130 100
 95 96.1 0.0 186.8



#50
 Toluene-d8
 Concen: 44.686 ug/l
 RT: 10.380 min Scan# 1444
 Delta R.T. 0.005 min
 Lab File: VN073304.D
 Acq: 01 Jul 2022 18:04

Tgt Ion: 98 Resp: 511354
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.6 78.8

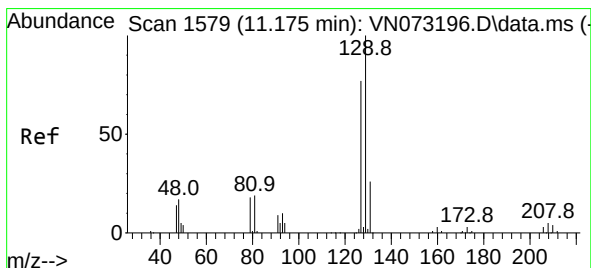
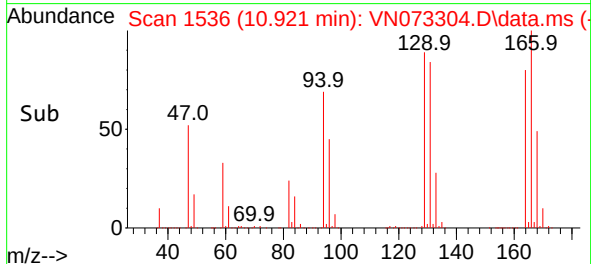
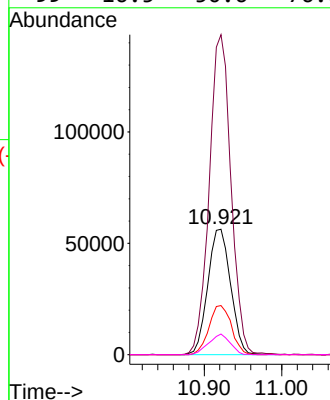
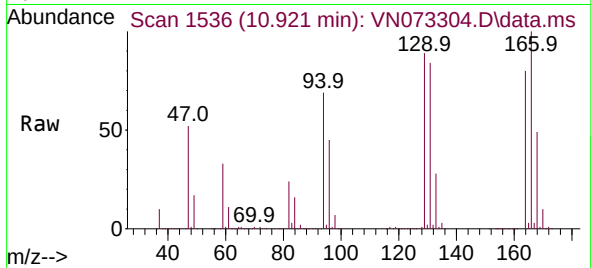




#55
1,1,2-Trichloroethane
Concen: 29.605 ug/l
RT: 10.921 min Scan# 1536
Delta R.T. 0.088 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

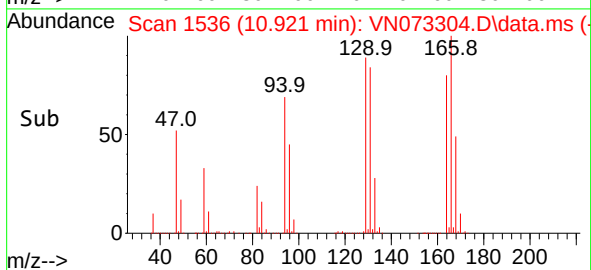
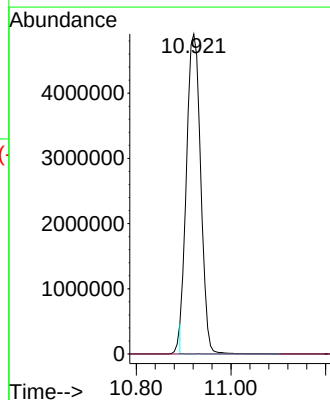
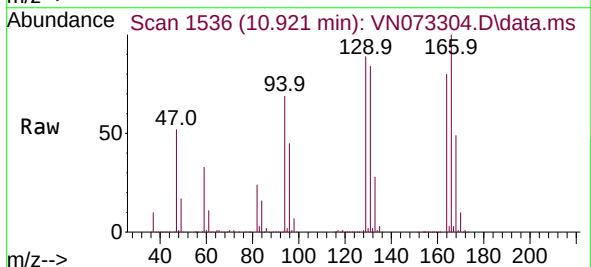
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80

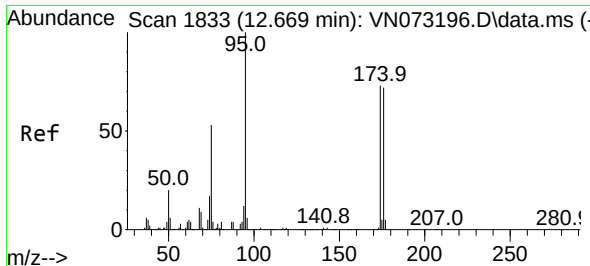
Tgt Ion: 97 Resp: 115240
Ion Ratio Lower Upper
97 100
83 255.2 66.2 99.4#
85 39.2 43.9 65.9#
99 16.5 50.6 76.0#



#60
Dibromochloromethane
Concen: 2729.602 ug/l
RT: 10.921 min Scan# 1536
Delta R.T. -0.254 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

Tgt Ion: 129 Resp: 10130463
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

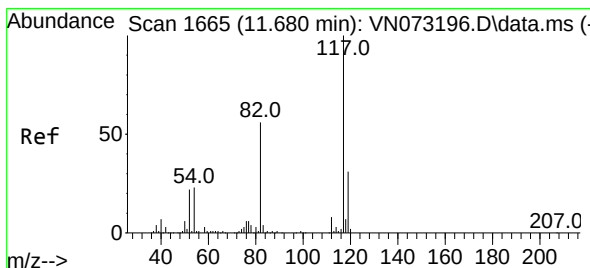
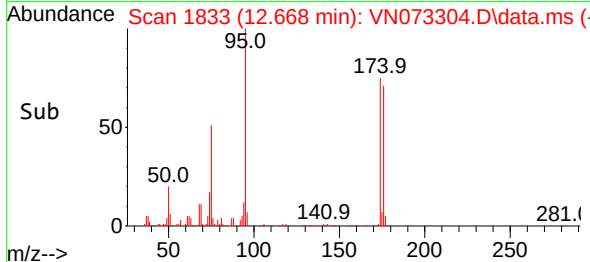
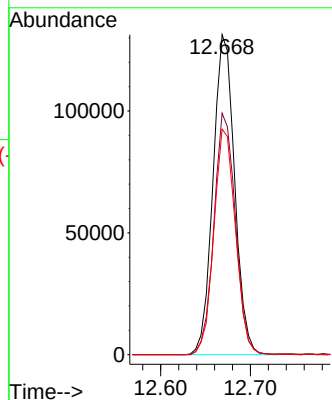
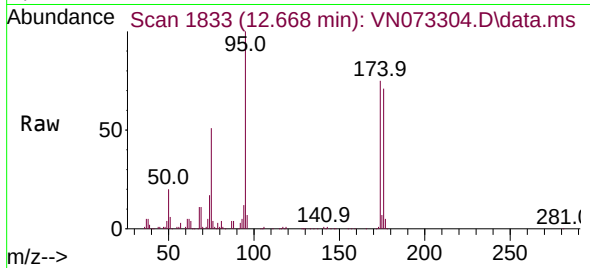




#62
4-Bromofluorobenzene
Concen: 49.845 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

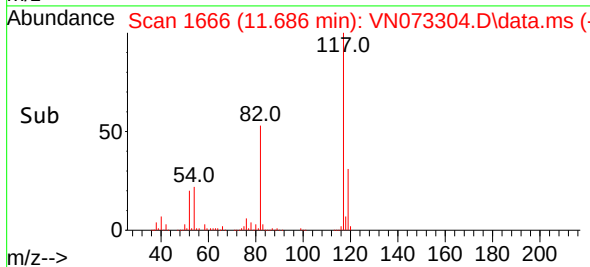
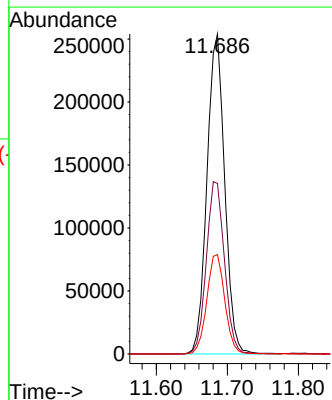
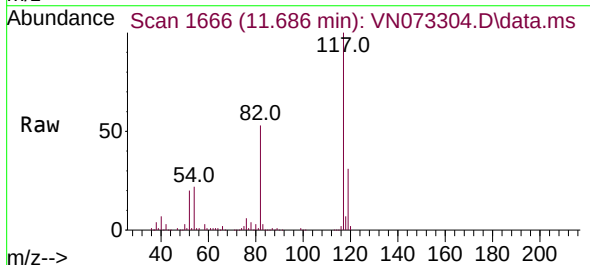
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80

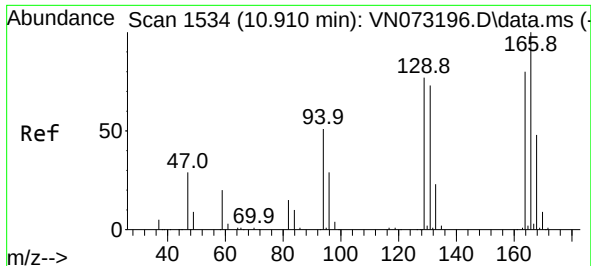
Tgt Ion: 95 Resp: 219199
Ion Ratio Lower Upper
95 100
174 75.0 0.0 167.6
176 70.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

Tgt Ion: 117 Resp: 440268
Ion Ratio Lower Upper
117 100
82 53.3 44.2 66.2
119 31.0 25.4 38.0

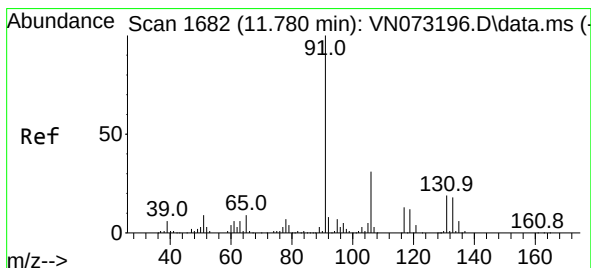
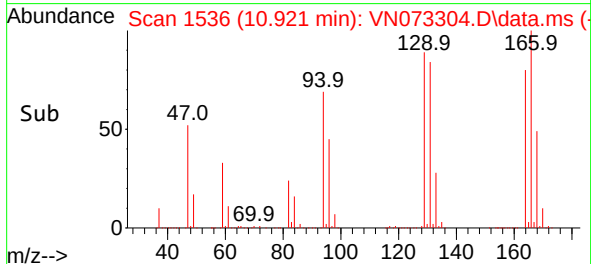
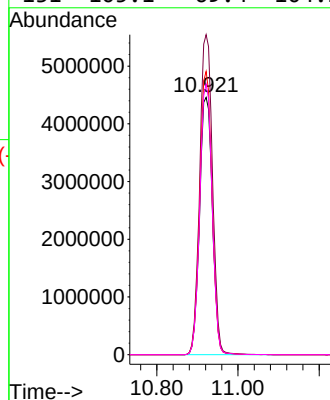
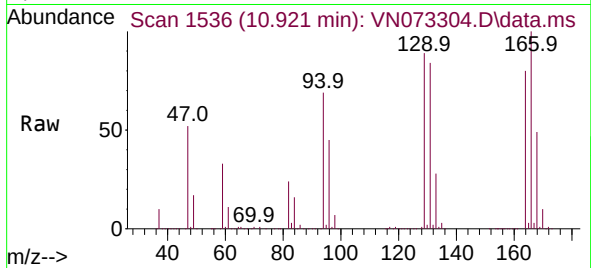




#64
Tetrachloroethene
Concen: 2708.519 ug/l
RT: 10.921 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

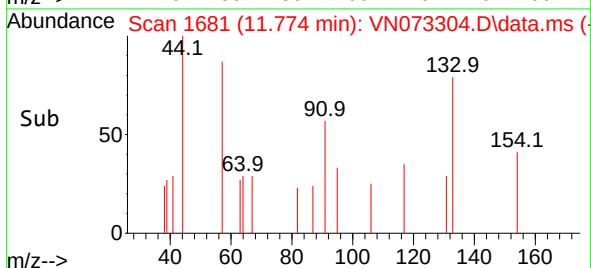
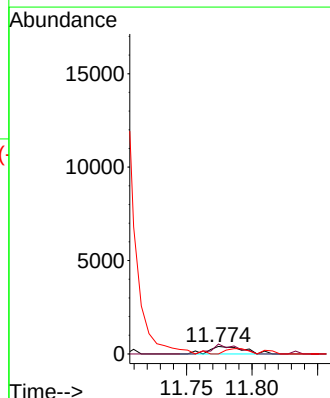
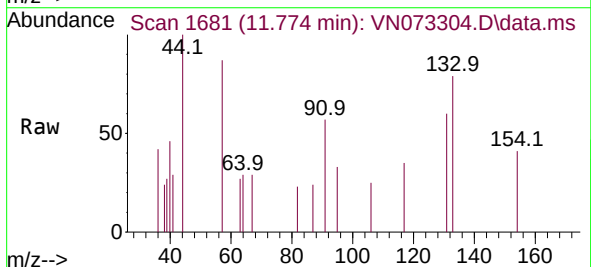
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80

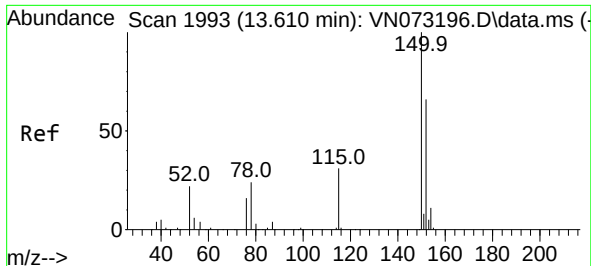
Tgt Ion:164 Resp: 9737427
Ion Ratio Lower Upper
164 100
166 124.3 104.2 156.2
129 110.1 73.9 110.9
131 105.1 69.4 104.2#



#66
1,1,1,2-Tetrachloroethane
Concen: 0.205 ug/l
RT: 11.774 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

Tgt Ion:131 Resp: 752
Ion Ratio Lower Upper
131 100
133 94.3 47.8 143.4
119 0.0 33.4 100.2#

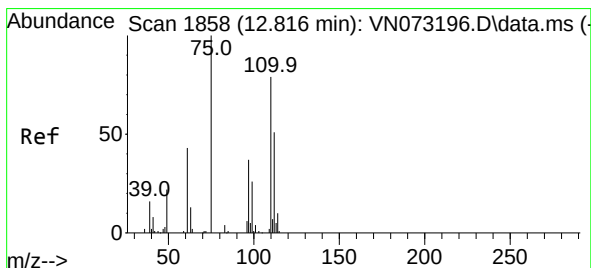
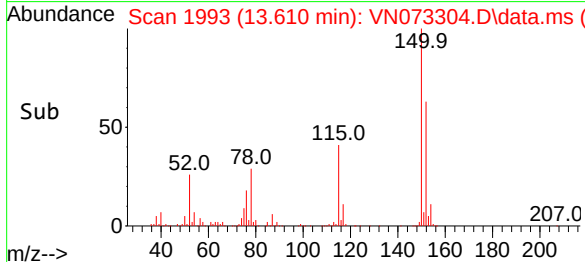
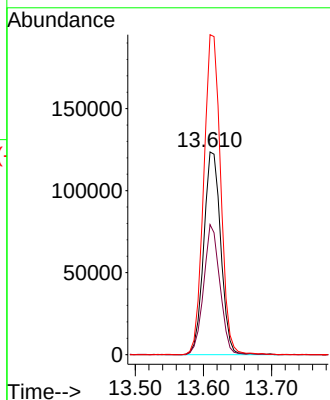
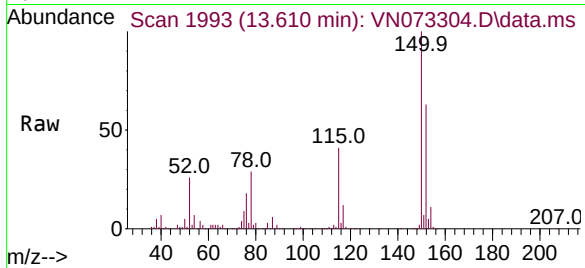




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073304.D
 Acq: 01 Jul 2022 18:04

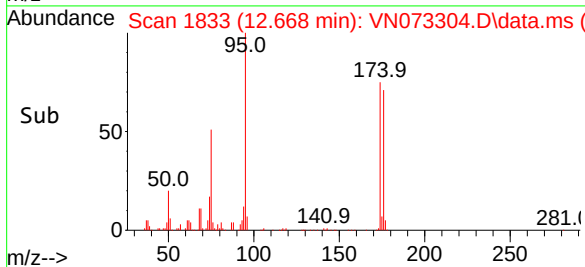
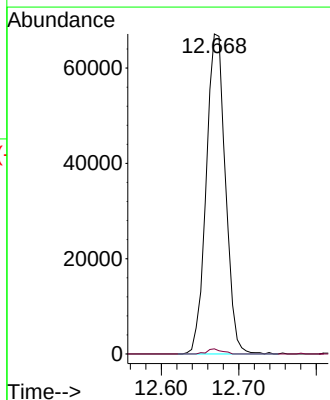
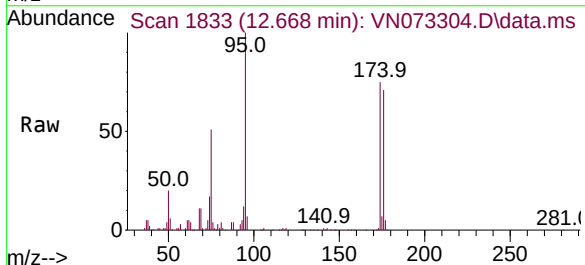
Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-95-80

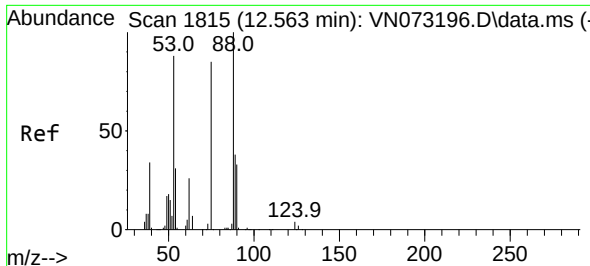
Tgt Ion:152 Resp: 214664
 Ion Ratio Lower Upper
 152 100
 115 61.0 28.9 86.7
 150 156.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.613 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073304.D
 Acq: 01 Jul 2022 18:04

Tgt Ion: 75 Resp: 115704
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

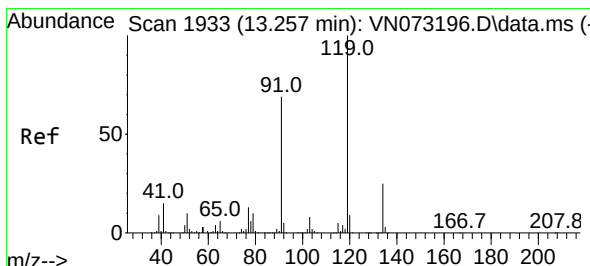
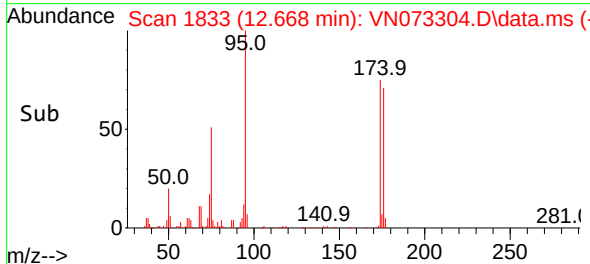
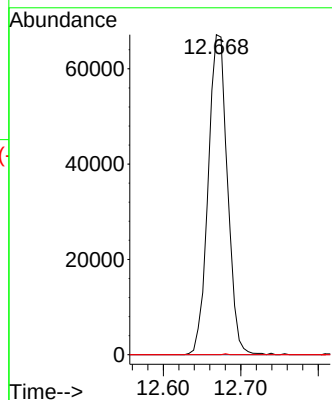
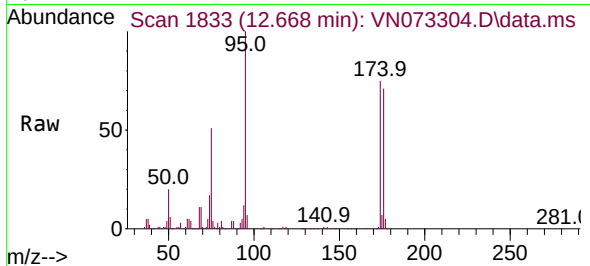




#81
trans-1,4-Dichloro-2-butene
Concen: 56.532 ug/l
RT: 12.668 min Scan# 1152140
Delta R.T. 0.105 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

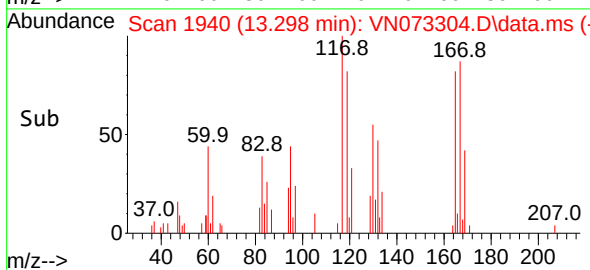
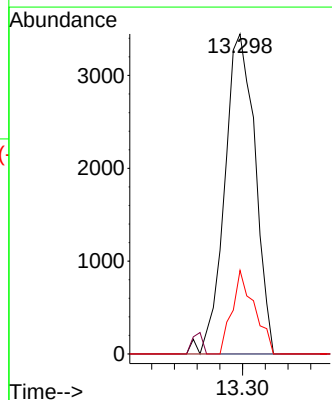
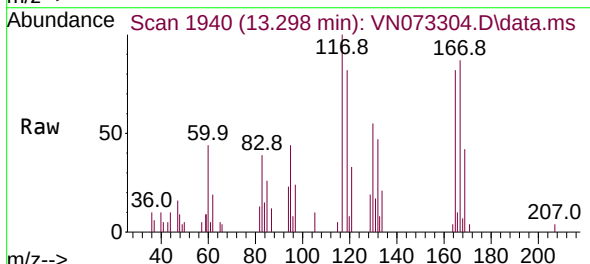
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-95-80

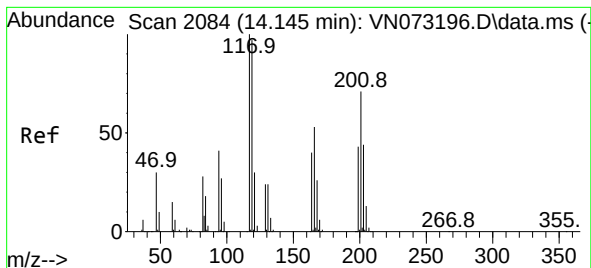
Tgt Ion: 75 Resp: 115704
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#83
tert-Butylbenzene
Concen: 0.474 ug/l
RT: 13.298 min Scan# 1940
Delta R.T. 0.041 min
Lab File: VN073304.D
Acq: 01 Jul 2022 18:04

Tgt Ion: 119 Resp: 6419
Ion Ratio Lower Upper
119 100
91 0.0 31.6 94.8#
134 19.2 13.7 41.1





#90

Hexachloroethane

Concen: 41.292 ug/l

RT: 14.145 min Scan# 2084

Delta R.T. -0.000 min

Lab File: VN073304.D

Acq: 01 Jul 2022 18:04

Instrument :

MSVOA_N

ClientSampleId :

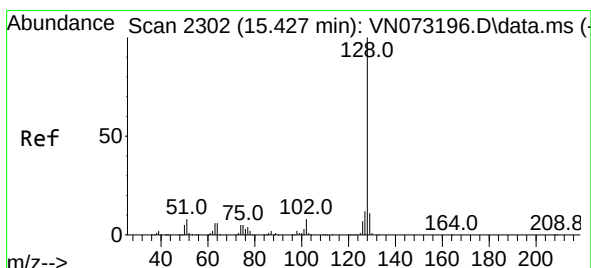
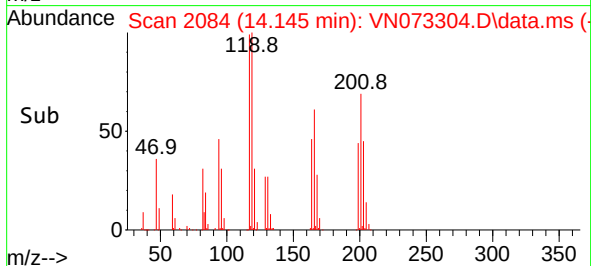
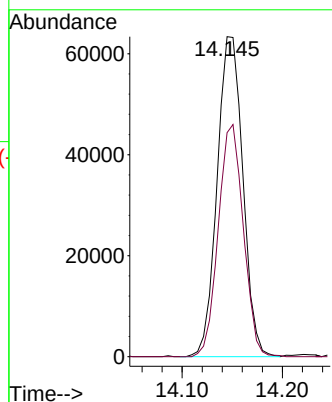
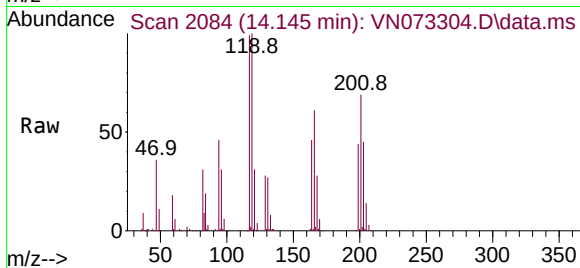
152140-SPC-95-80

Tgt Ion:117 Resp: 113068

Ion Ratio Lower Upper

117 100

201 70.4 40.6 122.0



#95

Naphthalene

Concen: 0.360 ug/l

RT: 15.433 min Scan# 2303

Delta R.T. 0.006 min

Lab File: VN073304.D

Acq: 01 Jul 2022 18:04

Tgt Ion:128 Resp: 5954

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 16.4 8.6 13.0#

