

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070122\
 Data File : VN073298.D
 Acq On : 01 Jul 2022 15:36
 Operator : JC\MD
 Sample : N3569-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 152140-SPC-05-30

Quant Time: Jul 04 05:05:43 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)

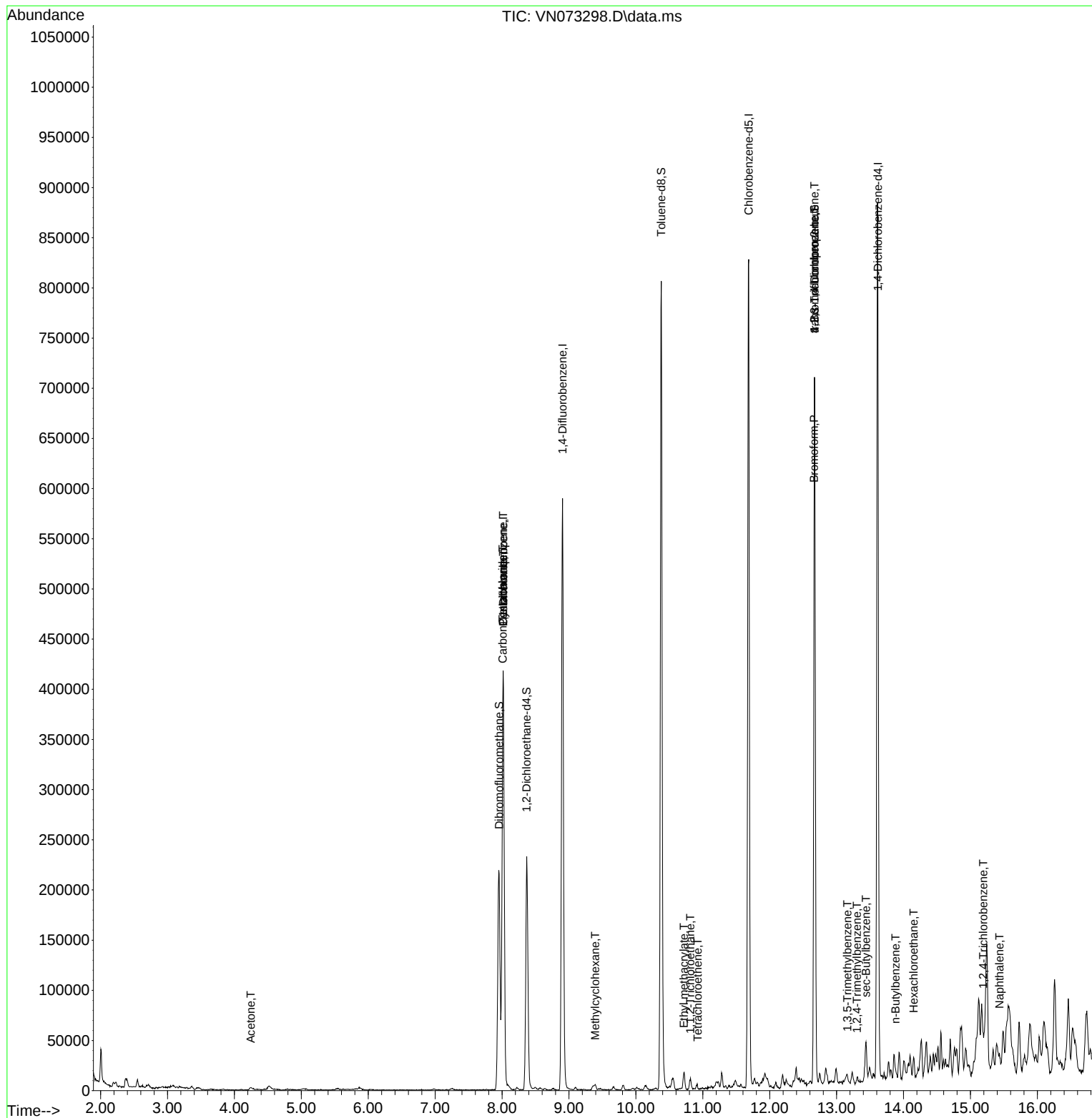
Internal Standards						
1) Pentafluorobenzene	8.016	168	311267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	511055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	476142	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	238293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	191824	42.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.380%
35) Dibromofluoromethane	7.957	113	164531	48.390	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.780%
50) Toluene-d8	10.380	98	543306	44.990	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.980%
62) 4-Bromofluorobenzene	12.669	95	244785	52.746	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.500%
Target Compounds						
					Qvalue	
16) Acetone	4.246	43	4729	1.875	ug/l #	86
31) Cyclohexane	8.016	56	7160	0.973	ug/l #	18
36) 1,1-Dichloropropene	8.016	75	25153	4.808	ug/l #	48
38) Carbon Tetrachloride	8.010	117	31881	5.893	ug/l #	17
39) Methylcyclohexane	9.392	83	2214	0.340	ug/l #	52
55) 1,1,2-Trichloroethane	10.816	97	3990	0.971	ug/l #	23
56) Ethyl methacrylate	10.716	69	2032	0.306	ug/l #	1
64) Tetrachloroethene	10.922	164	831	0.214	ug/l #	80
71) Bromoform	12.663	173	1483	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	126843	20.357	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.163	105	5129	0.306	ug/l	70
81) trans-1,4-Dichloro-2-b...	12.669	75	126843	55.829	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	3874	0.231	ug/l	89
85) sec-Butylbenzene	13.439	105	24523	1.215	ug/l	85
89) n-Butylbenzene	13.880	91	5114	0.376	ug/l #	80
90) Hexachloroethane	14.151	117	1070	0.352	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.192	180	1124	0.247	ug/l #	1
95) Naphthalene	15.433	128	10437	0.568	ug/l #	81

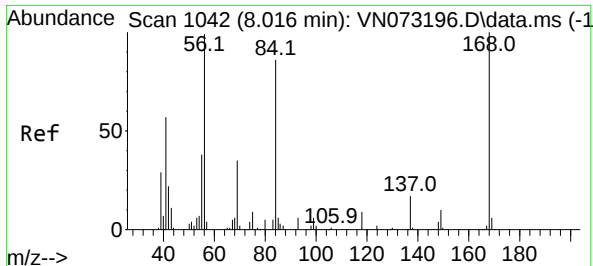
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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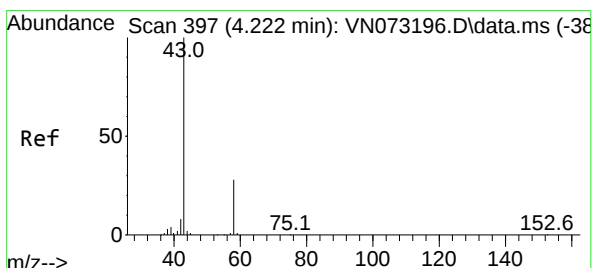
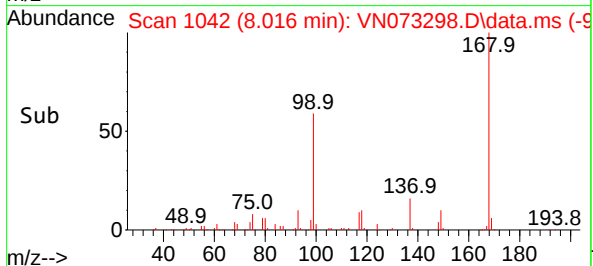
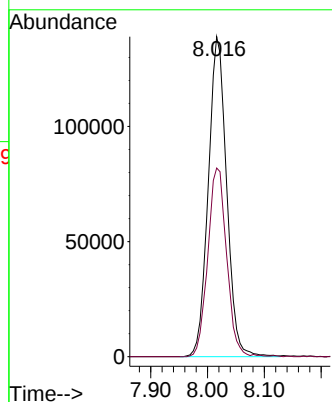
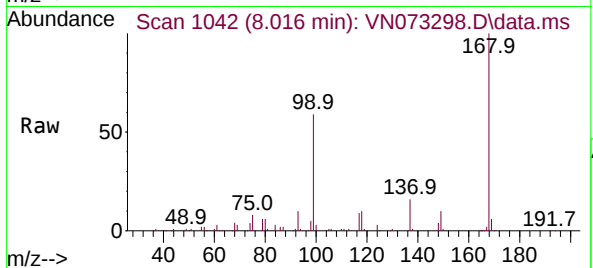




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

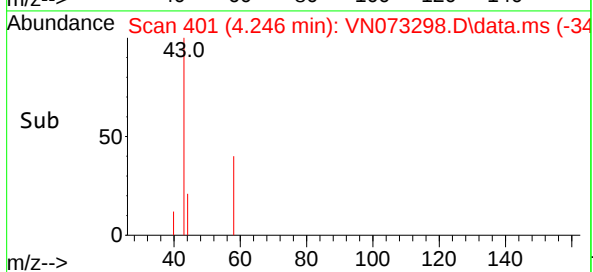
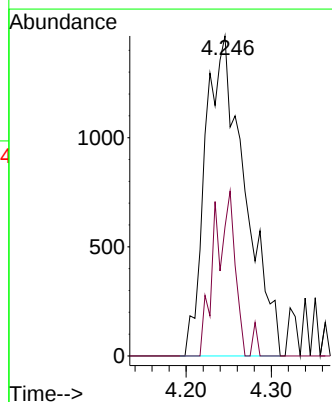
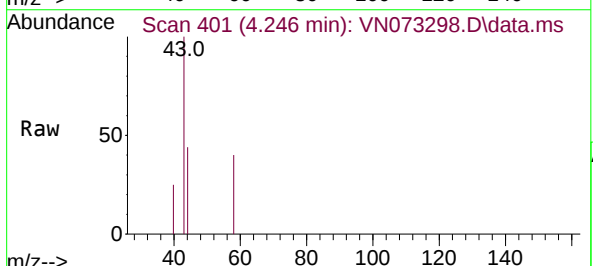
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-30

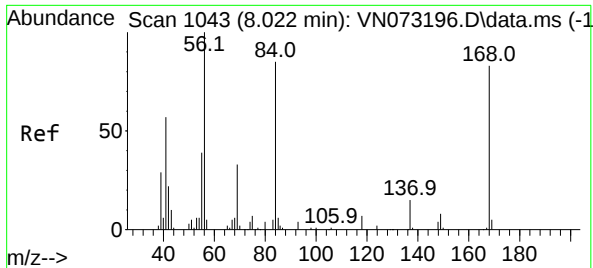
Tgt Ion:168 Resp: 311267
Ion Ratio Lower Upper
168 100
99 59.0 42.3 63.5



#16
Acetone
Concen: 1.875 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion: 43 Resp: 4729
Ion Ratio Lower Upper
43 100
58 40.3 26.0 39.0#

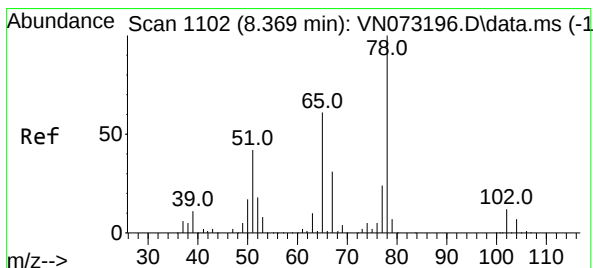
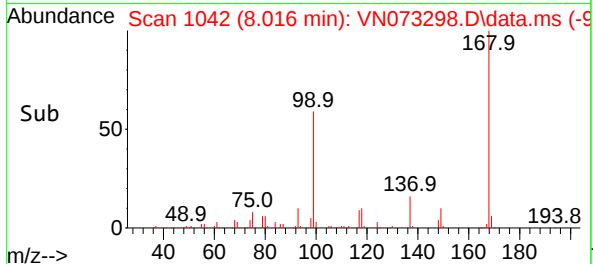
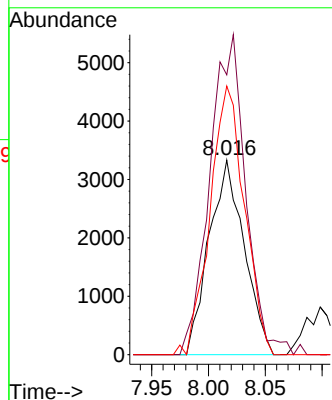
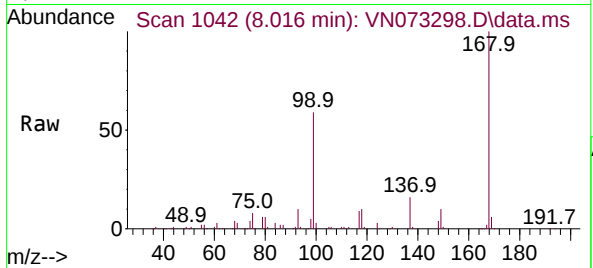




#31
Cyclohexane
Concen: 0.973 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

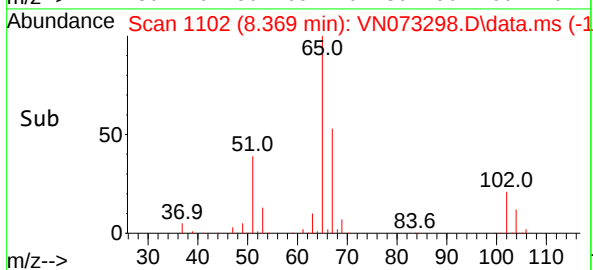
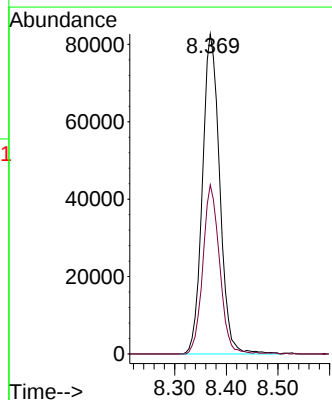
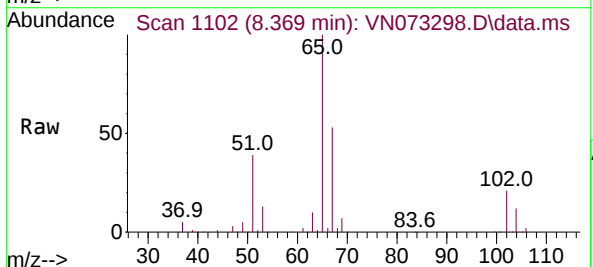
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-30

Tgt Ion: 56 Resp: 7160
Ion Ratio Lower Upper
56 100
69 143.9 27.8 41.8#
84 138.1 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 42.689 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion: 65 Resp: 191824
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: VN073298.D

Acq: 01 Jul 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-05-30

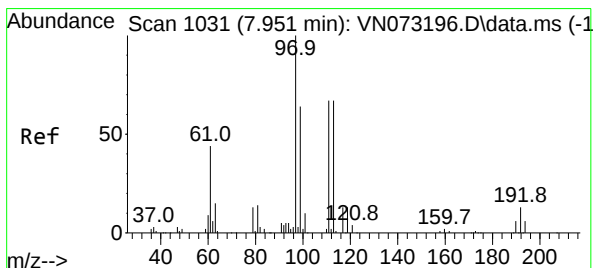
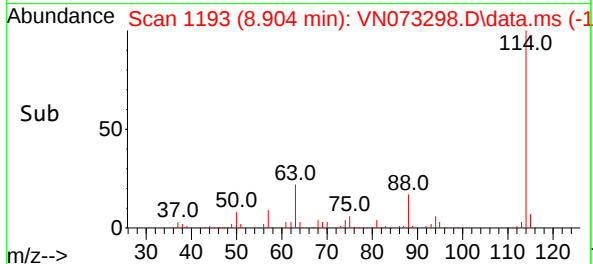
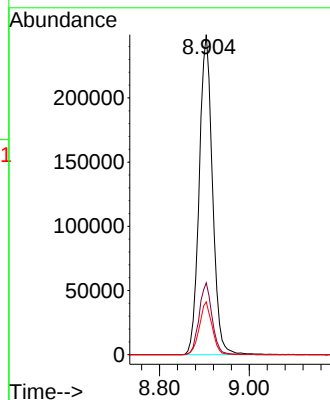
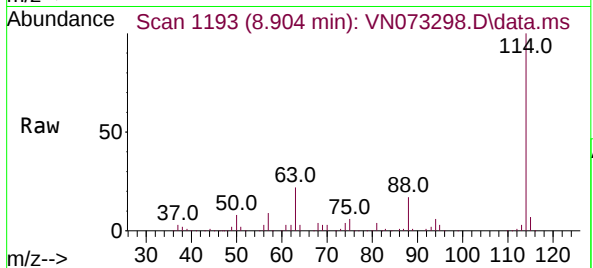
Tgt Ion:114 Resp: 511055

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.390 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073298.D

Acq: 01 Jul 2022 15:36

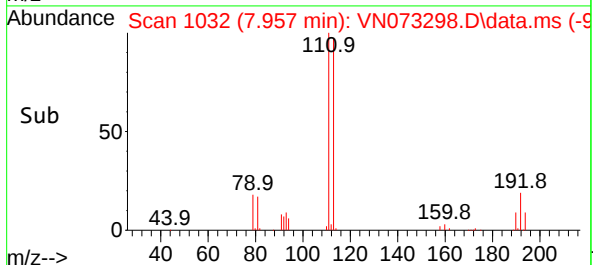
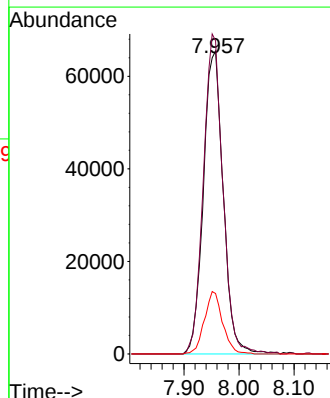
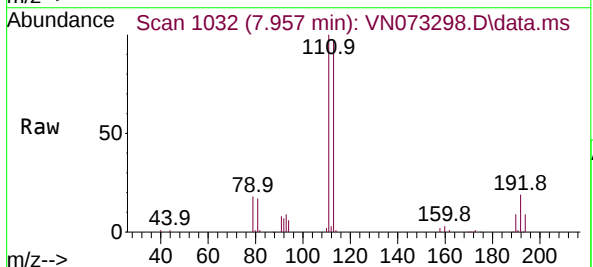
Tgt Ion:113 Resp: 164531

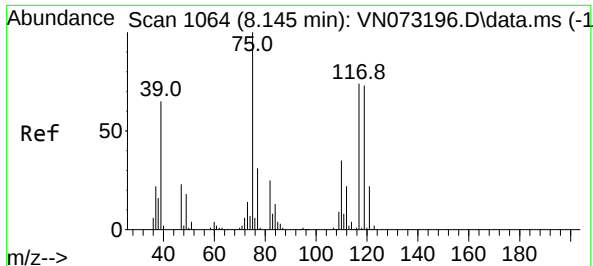
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 18.9 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.808 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073298.D

Acq: 01 Jul 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-05-30

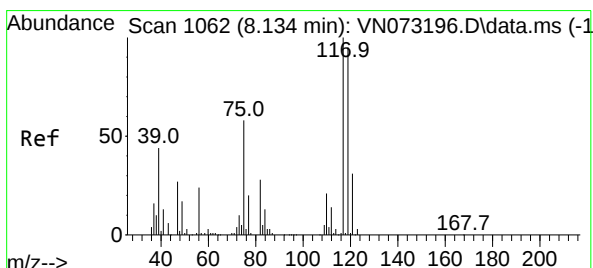
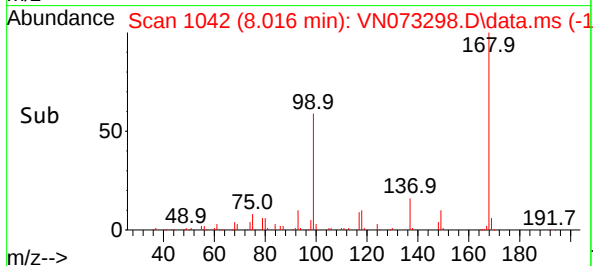
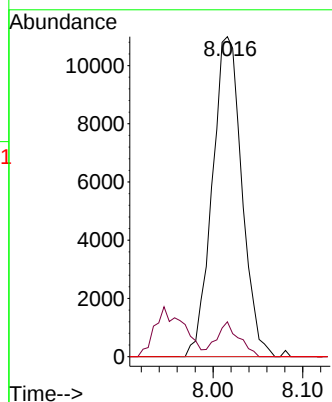
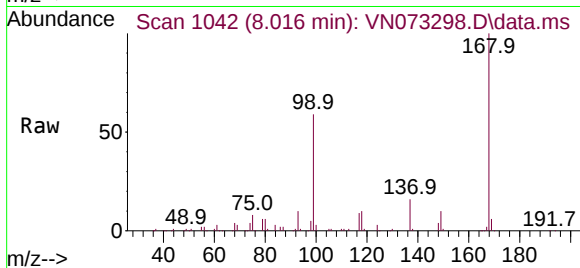
Tgt Ion: 75 Resp: 25153

Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.893 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.124 min

Lab File: VN073298.D

Acq: 01 Jul 2022 15:36

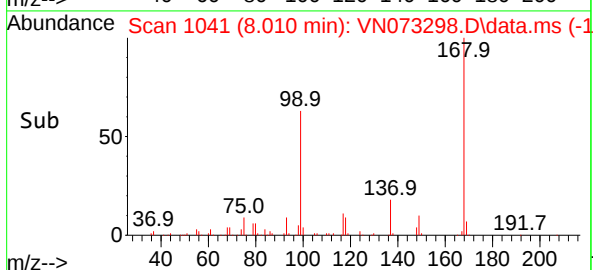
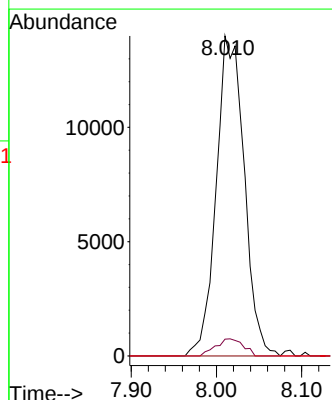
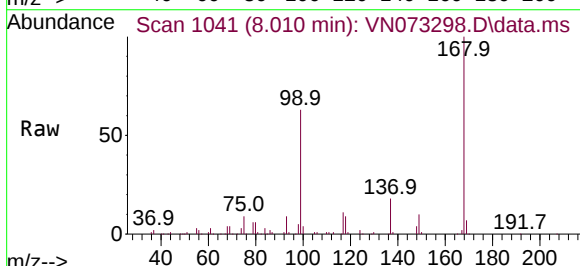
Tgt Ion: 117 Resp: 31881

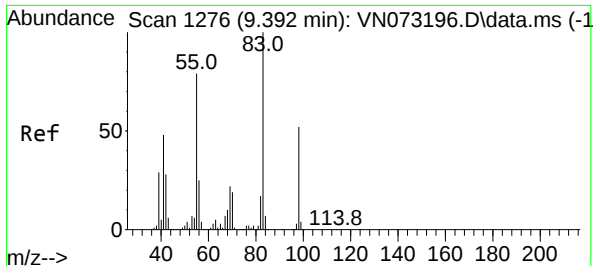
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 0.340 ug/l

RT: 9.392 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN073298.D

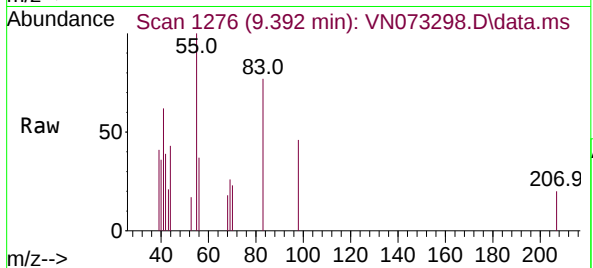
Acq: 01 Jul 2022 15:36

Instrument :

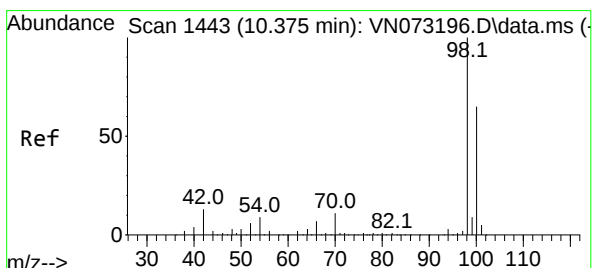
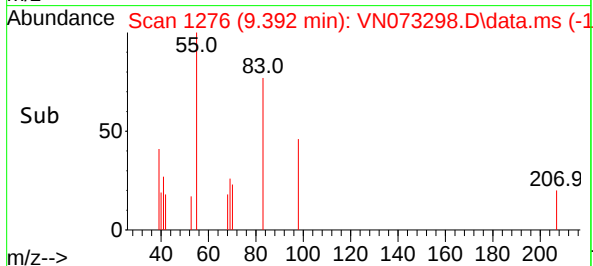
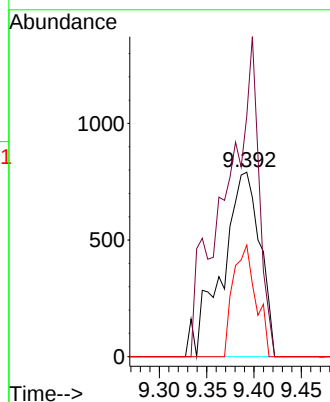
MSVOA_N

ClientSampleId :

152140-SPC-05-30



Tgt Ion:	83	Resp:	2214
Ion	Ratio	Lower	Upper
83	100		
55	130.3	57.8	86.8#
98	60.6	39.4	59.2#



#50

Toluene-d8

Concen: 44.990 ug/l

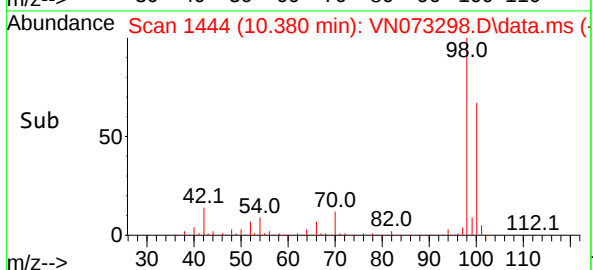
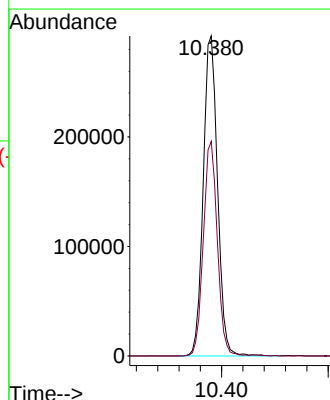
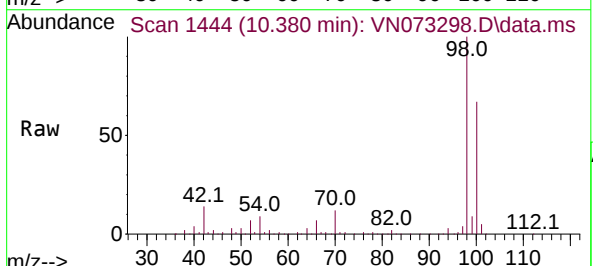
RT: 10.380 min Scan# 1444

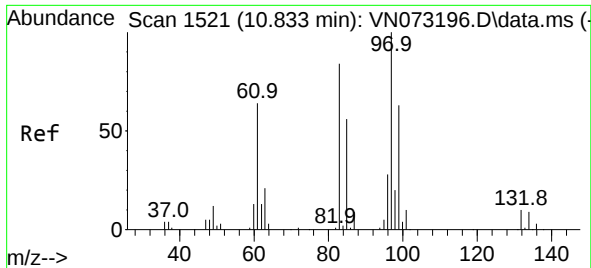
Delta R.T. 0.005 min

Lab File: VN073298.D

Acq: 01 Jul 2022 15:36

Tgt Ion:	98	Resp:	543306
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	78.8

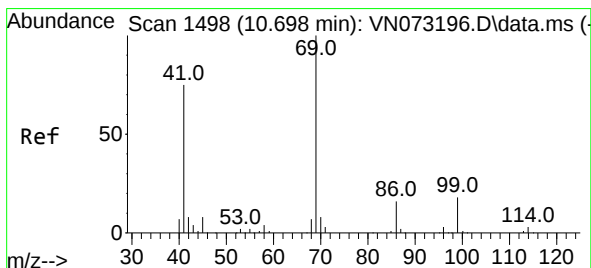
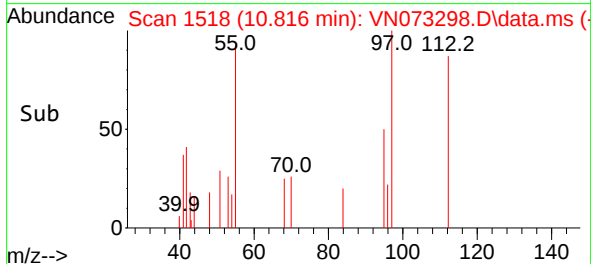
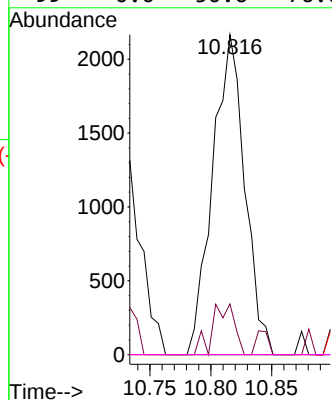
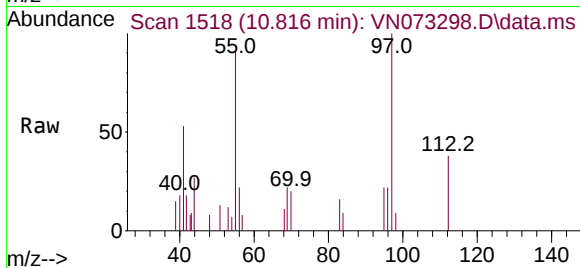




#55
1,1,2-Trichloroethane
Concen: 0.971 ug/l
RT: 10.816 min Scan# 1501
Delta R.T. -0.017 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

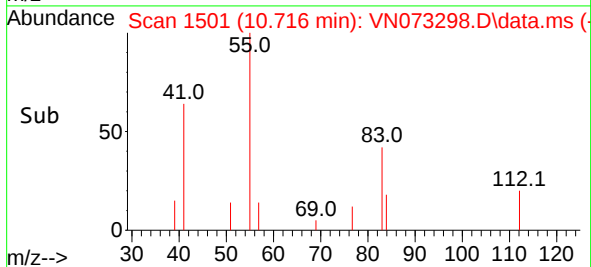
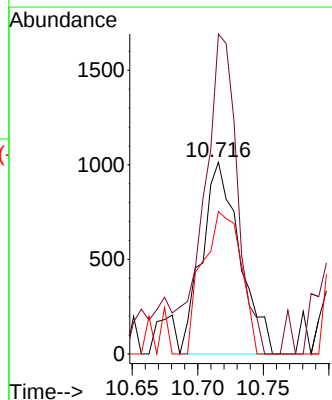
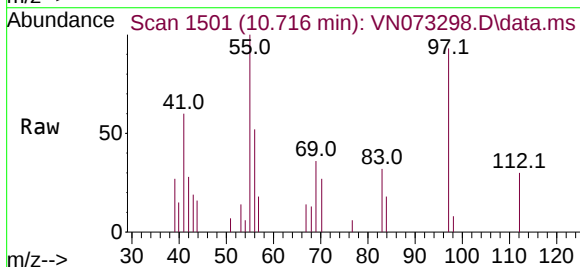
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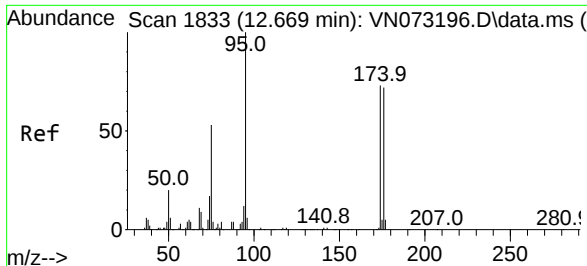
Tgt Ion:	97	Resp:	3990
Ion	Ratio	Lower	Upper
97	100		
83	15.8	66.2	99.4#
85	0.0	43.9	65.9#
99	0.0	50.6	76.0#



#56
Ethyl methacrylate
Concen: 0.306 ug/l
RT: 10.716 min Scan# 1501
Delta R.T. 0.018 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion:	69	Resp:	2032
Ion	Ratio	Lower	Upper
69	100		
41	146.3	47.8	71.6#
39	75.5	27.3	40.9#

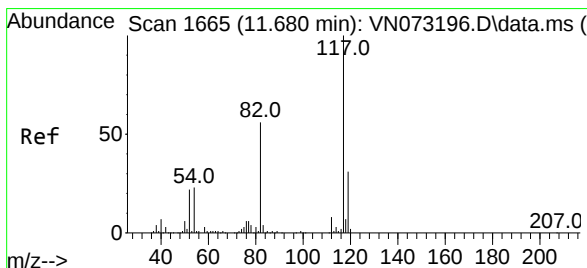
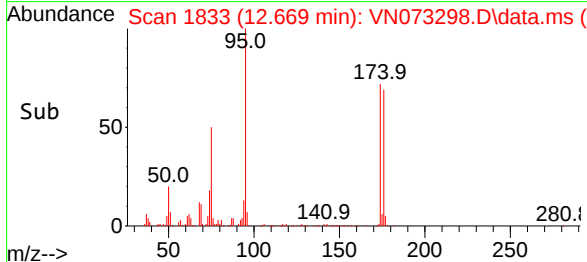
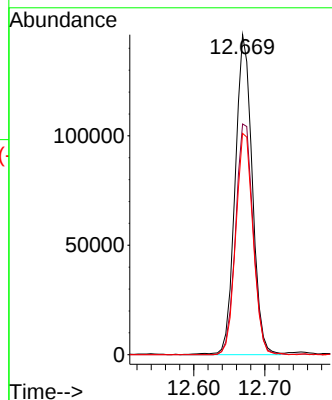
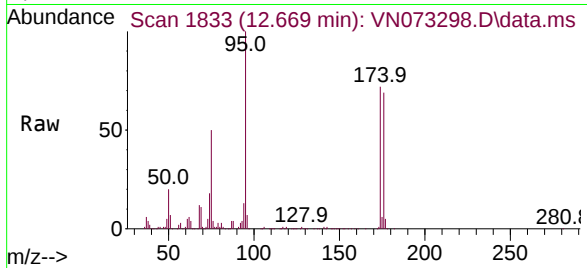




#62
4-Bromofluorobenzene
Concen: 52.746 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

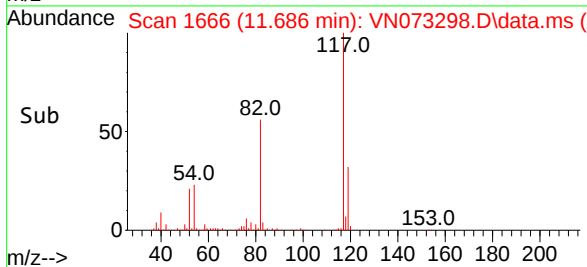
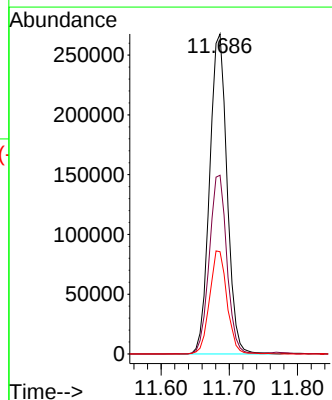
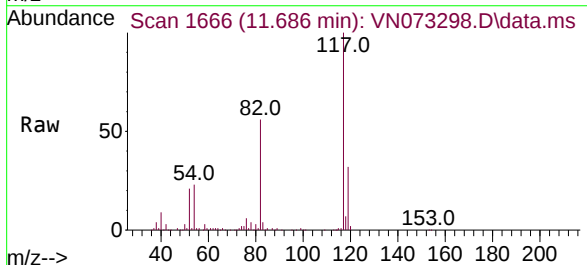
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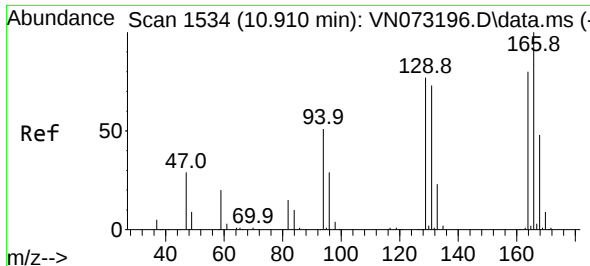
Tgt Ion: 95 Resp: 244785
Ion Ratio Lower Upper
95 100
174 74.1 0.0 167.6
176 70.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion: 117 Resp: 476142
Ion Ratio Lower Upper
117 100
82 55.8 44.2 66.2
119 31.9 25.4 38.0

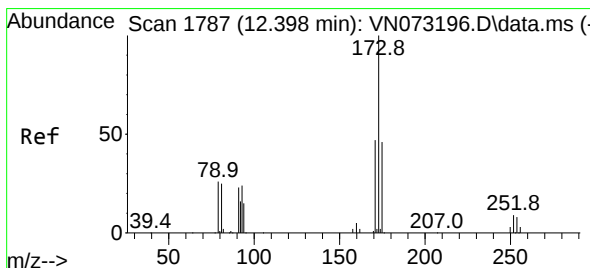
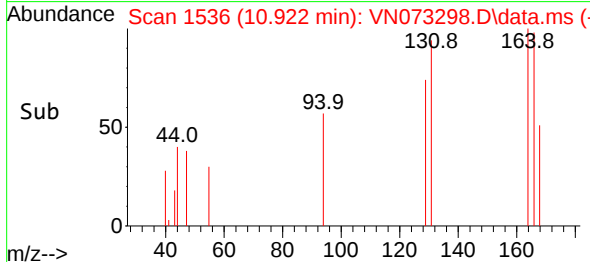
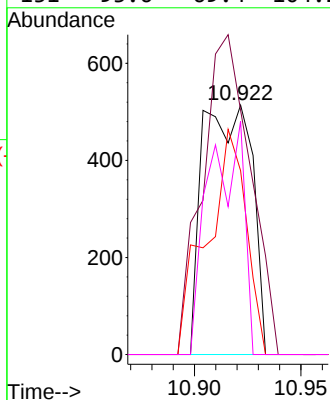
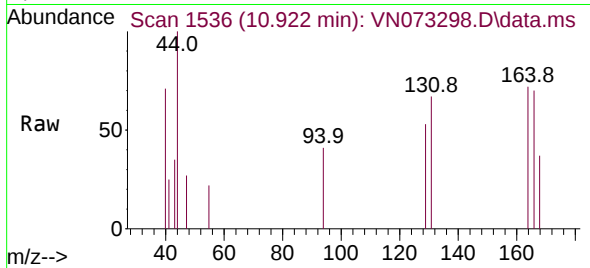




#64
Tetrachloroethene
Concen: 0.214 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

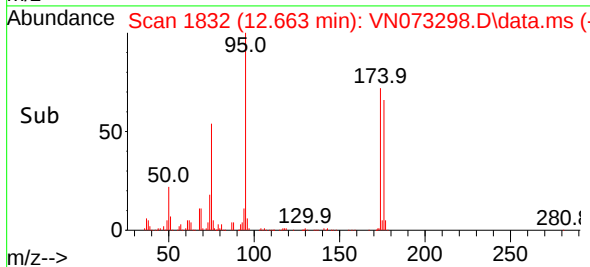
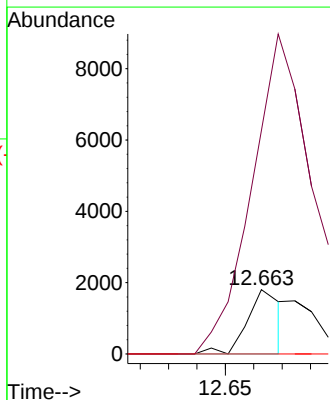
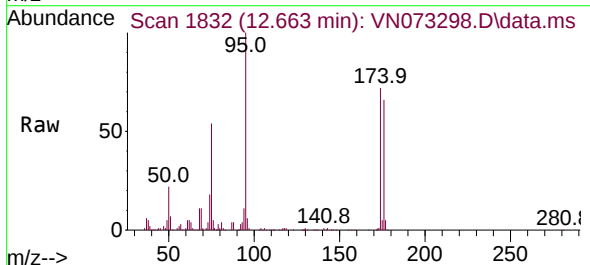
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-30

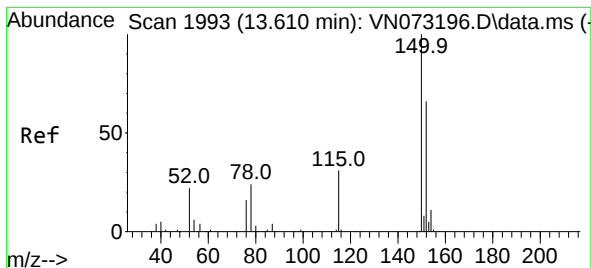
Tgt Ion:164 Resp: 831
Ion Ratio Lower Upper
164 100
166 97.9 104.2 156.2#
129 73.7 73.9 110.9#
131 93.6 69.4 104.2



#71
Bromoform
Concen: 0.512 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion:173 Resp: 1483
Ion Ratio Lower Upper
173 100
175 674.0 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1993

Delta R.T. 0.006 min

Lab File: VN073298.D

Acq: 01 Jul 2022 15:36

Instrument :

MSVOA_N

ClientSampleId :

152140-SPC-05-30

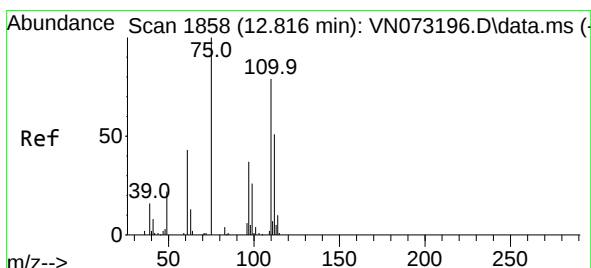
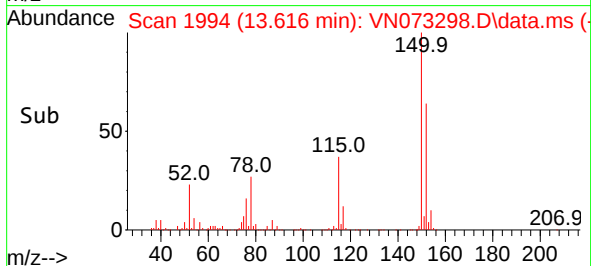
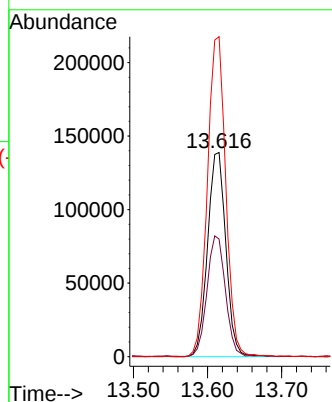
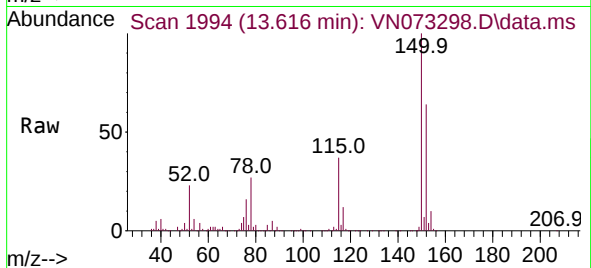
Tgt Ion:152 Resp: 238293

Ion Ratio Lower Upper

152 100

115 59.4 28.9 86.7

150 157.4 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 20.357 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.147 min

Lab File: VN073298.D

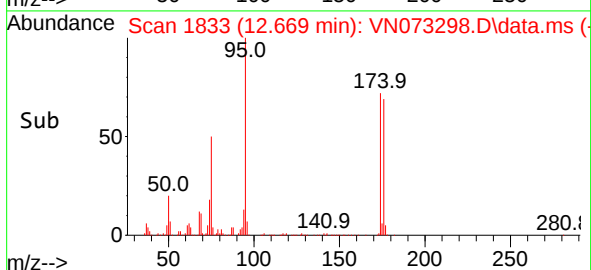
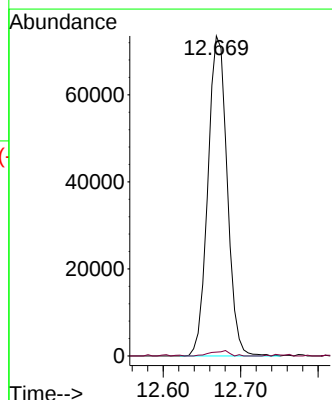
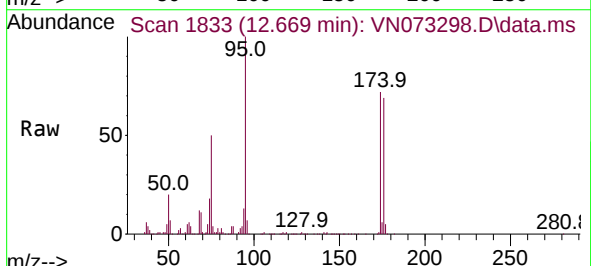
Acq: 01 Jul 2022 15:36

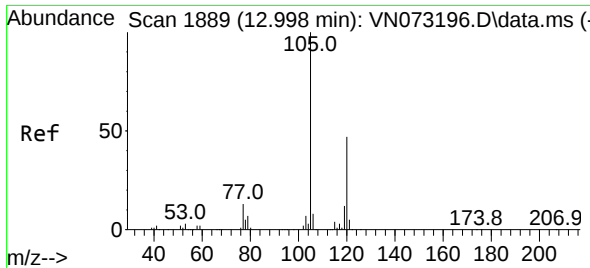
Tgt Ion: 75 Resp: 126843

Ion Ratio Lower Upper

75 100

77 1.6 98.5 295.5#

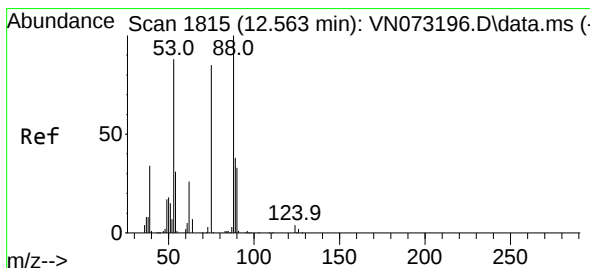
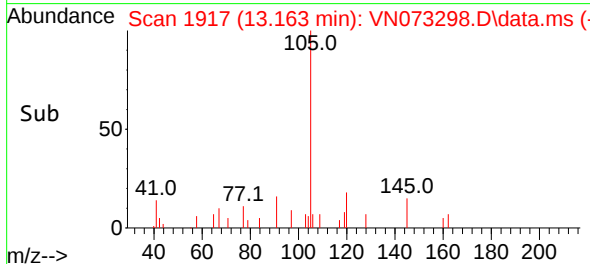
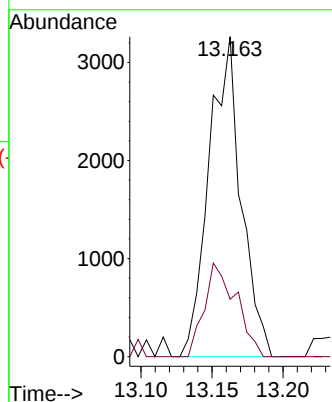
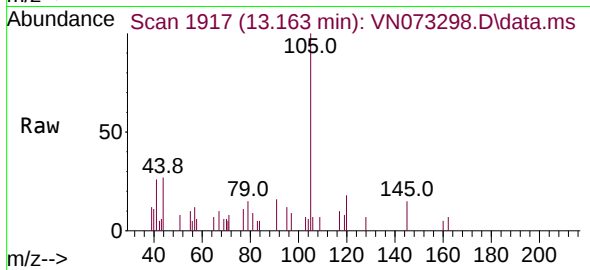




#80
1,3,5-Trimethylbenzene
Concen: 0.306 ug/l
RT: 13.163 min Scan# 1917
Delta R.T. 0.165 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

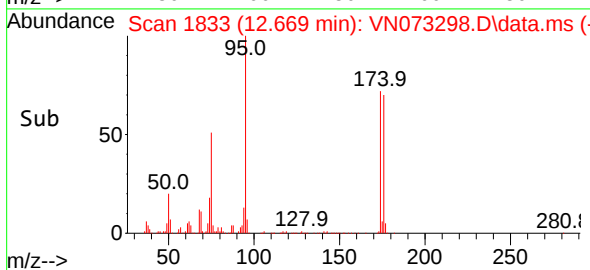
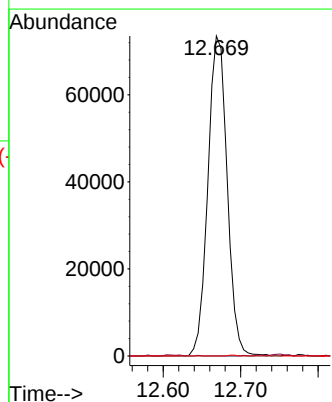
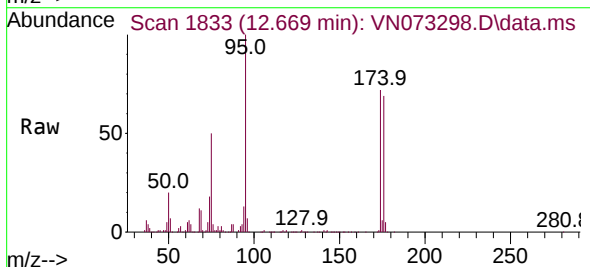
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-30

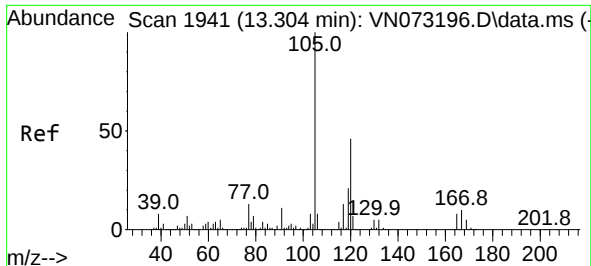
Tgt Ion:105 Resp: 5129
Ion Ratio Lower Upper
105 100
120 29.0 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 55.829 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion: 75 Resp: 126843
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#

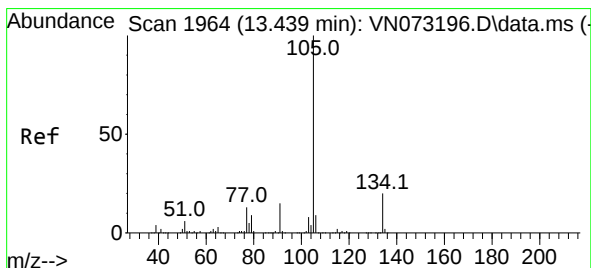
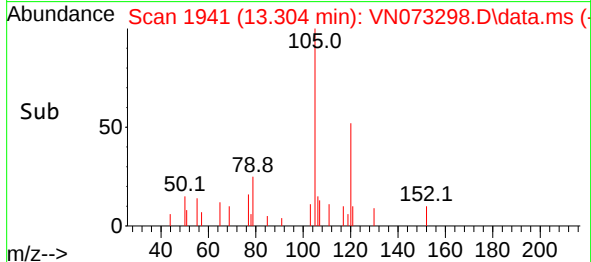
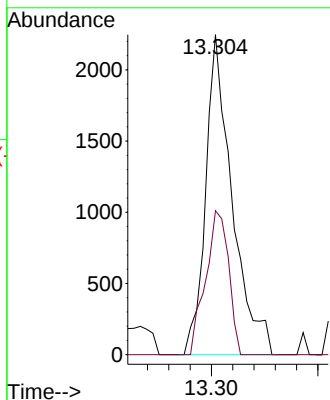
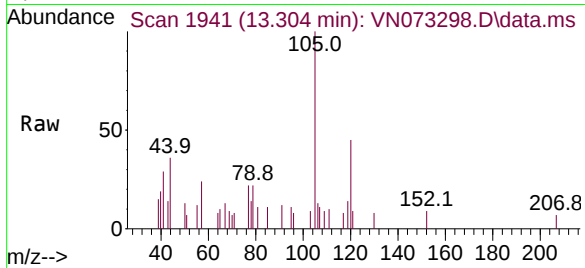




#84
1,2,4-Trimethylbenzene
Concen: 0.231 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

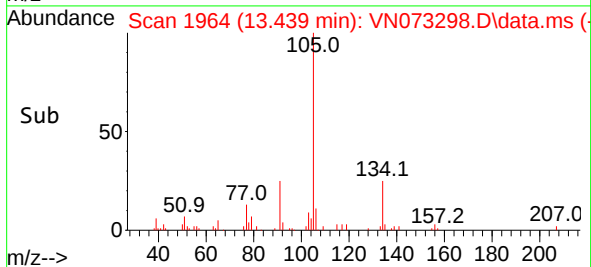
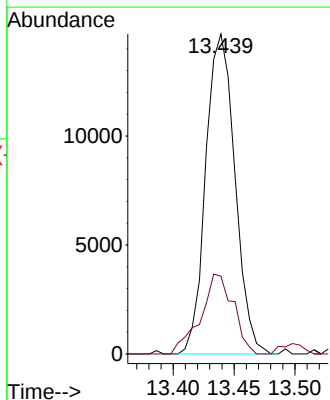
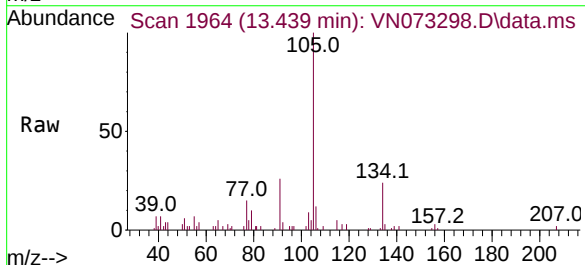
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-30

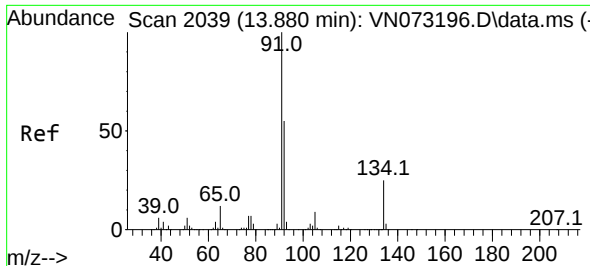
Tgt Ion:105 Resp: 3874
Ion Ratio Lower Upper
105 100
120 38.9 23.3 69.8



#85
sec-Butylbenzene
Concen: 1.215 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion:105 Resp: 24523
Ion Ratio Lower Upper
105 100
134 27.8 10.4 31.1

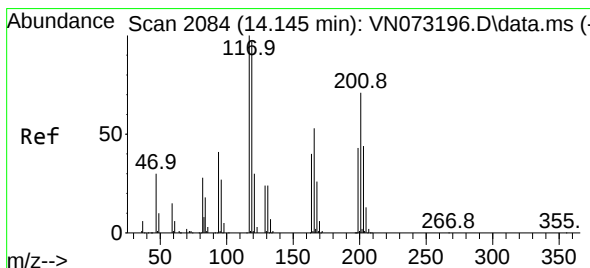
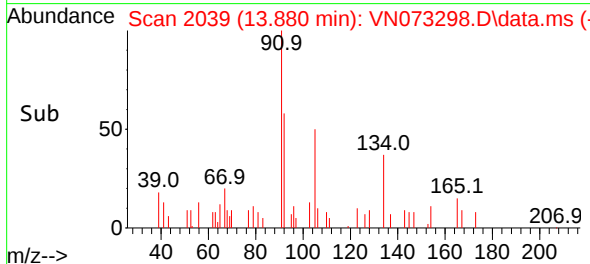
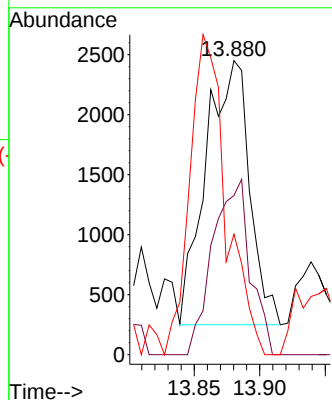
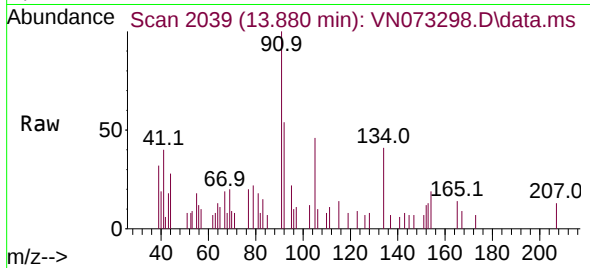




#89
n-Butylbenzene
Concen: 0.376 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

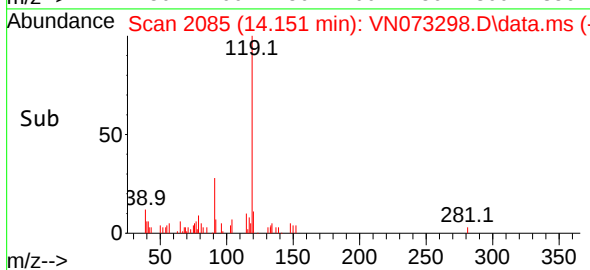
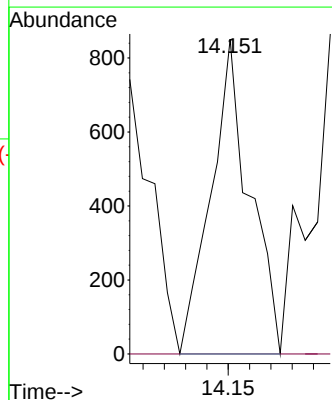
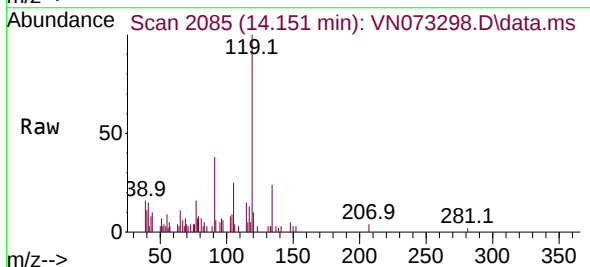
Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-30

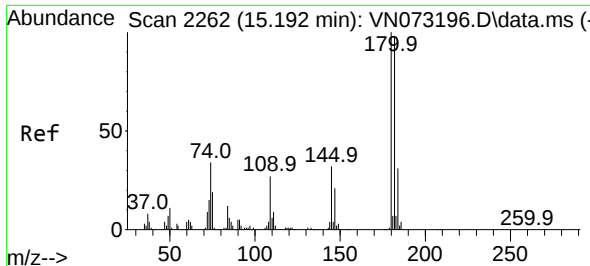
Tgt Ion: 91 Resp: 5114
Ion Ratio Lower Upper
91 100
92 56.6 26.9 80.7
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 0.352 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.006 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion: 117 Resp: 1070
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

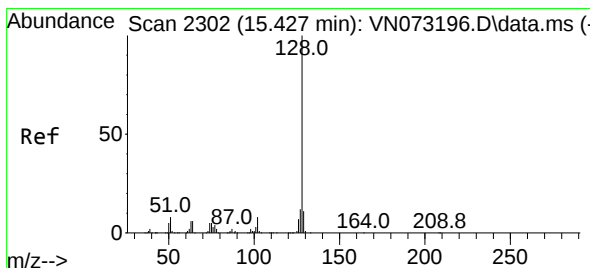
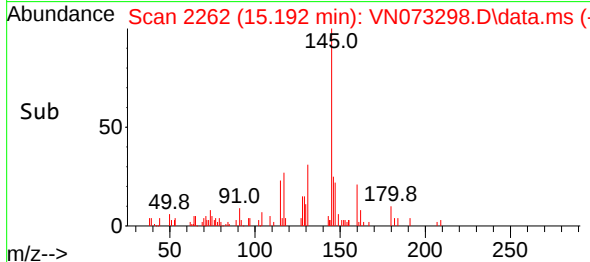
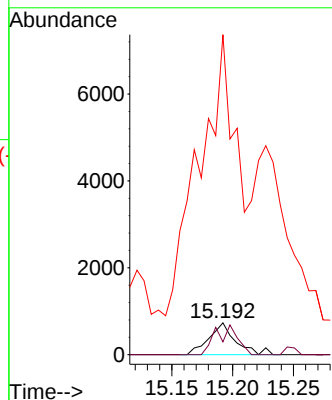
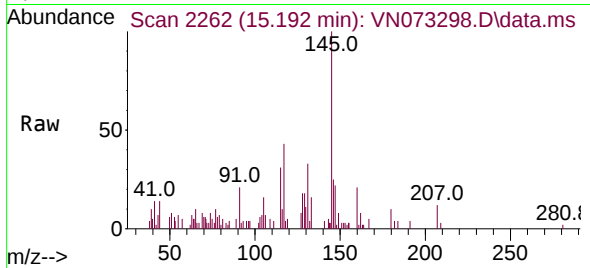




#93
1,2,4-Trichlorobenzene
Concen: 0.247 ug/l
RT: 15.192 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Instrument :
MSVOA_N
ClientSampleId :
152140-SPC-05-30

Tgt Ion:180 Resp: 1124
Ion Ratio Lower Upper
180 100
182 75.4 47.5 142.5
145 1488.6 14.5 43.5#



#95
Naphthalene
Concen: 0.568 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073298.D
Acq: 01 Jul 2022 15:36

Tgt Ion:128 Resp: 10437
Ion Ratio Lower Upper
128 100
127 17.6 10.3 15.5#
129 0.0 8.6 13.0#

