

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072122\
 Data File : VN073558.D
 Acq On : 21 Jul 2022 16:11
 Operator : JC\MD
 Sample : N3765-08DL 200000X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-04-84DL

Quant Time: Jul 22 08:00:45 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)

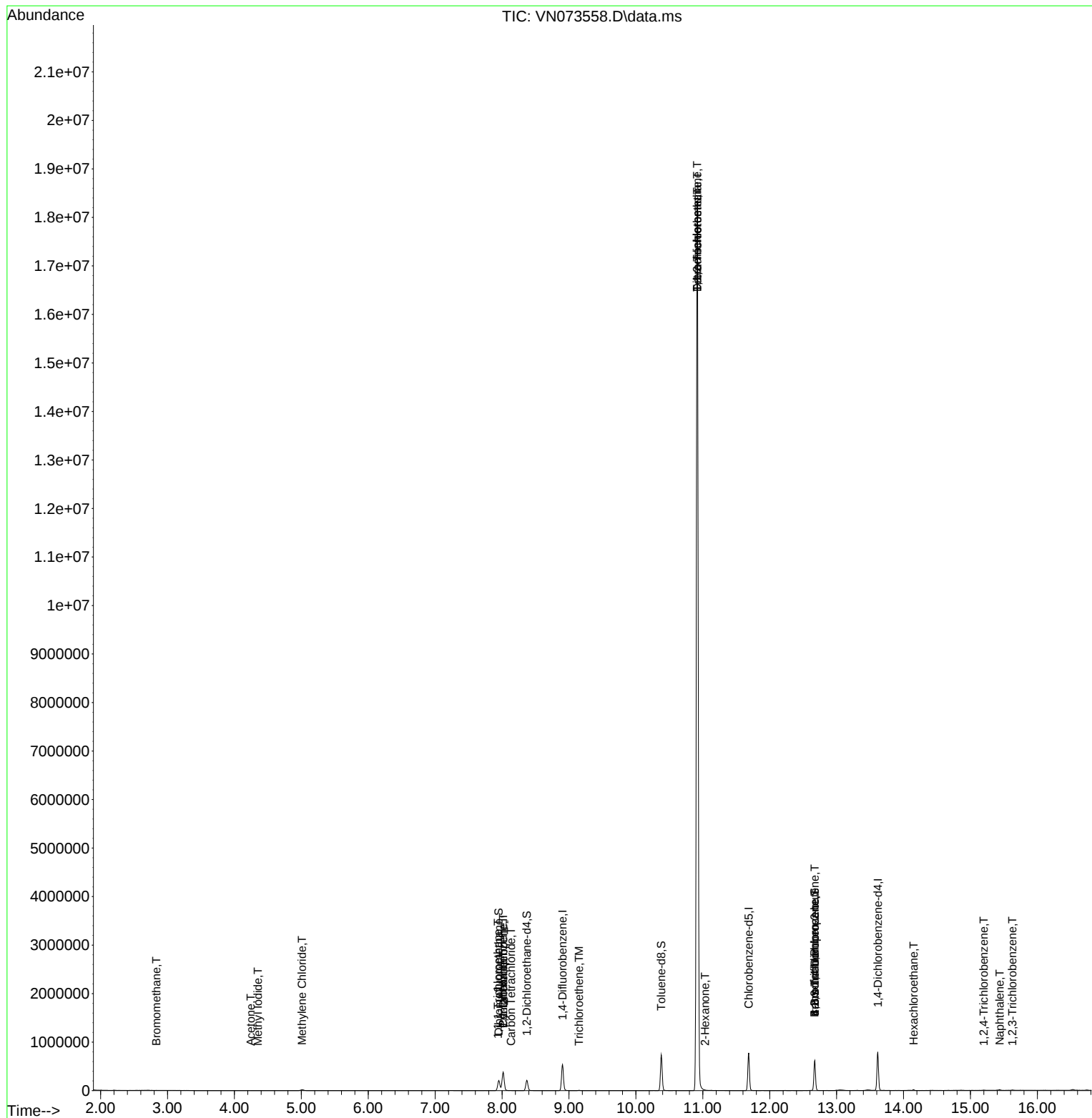
Internal Standards						
1) Pentafluorobenzene	8.016	168	292843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	474316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	437560	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	212601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	176117	41.660	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.320%		
35) Dibromofluoromethane	7.951	113	153411	48.614	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.220%		
50) Toluene-d8	10.380	98	506565	45.197	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.400%		
62) 4-Bromofluorobenzene	12.674	95	208650	48.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.880%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.834	94	511	0.306	ug/l	85
10) Methyl Iodide	4.351	142	649	3.856	ug/l #	59
16) Acetone	4.246	43	1685	0.710	ug/l #	42
20) Methylene Chloride	5.010	84	15280	3.664	ug/l	92
31) Cyclohexane	8.016	56	6528	0.943	ug/l #	20
32) 1,1,1-Trichloroethane	7.939	97	2986	0.474	ug/l #	50
36) 1,1-Dichloropropene	8.016	75	23195	4.777	ug/l #	49
38) Carbon Tetrachloride	8.134	117	1098	0.219	ug/l #	73
44) Trichloroethene	9.151	130	2529	0.663	ug/l	61
55) 1,1,2-Trichloroethane	10.916	97	40963	10.744	ug/l #	8
59) 2-Hexanone	11.033	43	2483	0.487	ug/l	86
60) Dibromochloromethane	10.916	129	3949840	1086.615	ug/l #	11
64) Tetrachloroethene	10.916	164	4143354	1159.629	ug/l	93
71) Bromoform	12.669	173	1722	0.647	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	111097	19.985	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	111097	54.807	ug/l #	10
90) Hexachloroethane	14.151	117	3089	1.139	ug/l	70
93) 1,2,4-Trichlorobenzene	15.198	180	1470	0.362	ug/l #	91
95) Naphthalene	15.439	128	16681	1.018	ug/l	97
96) 1,2,3-Trichlorobenzene	15.627	180	1549	0.370	ug/l	66

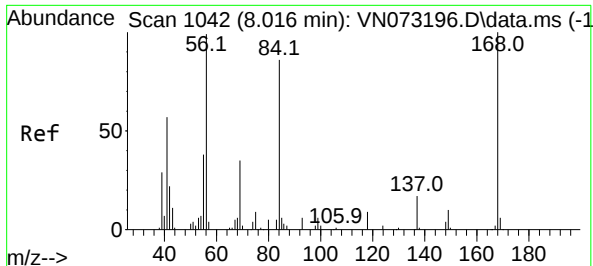
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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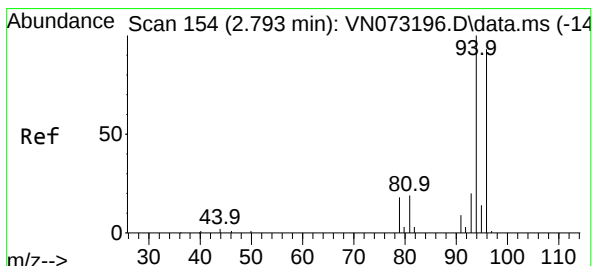
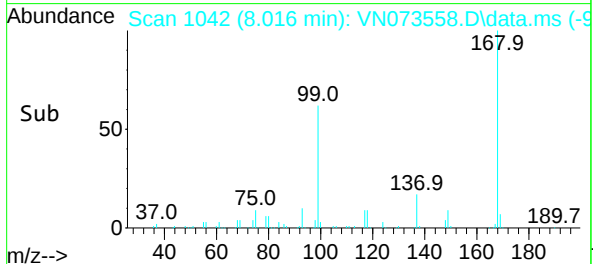
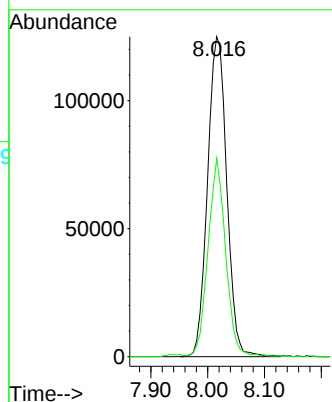
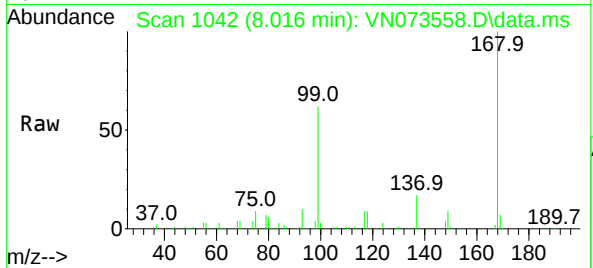




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073558.D
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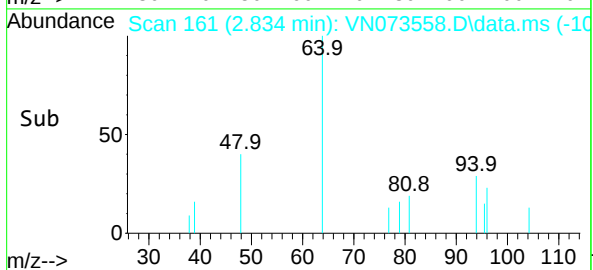
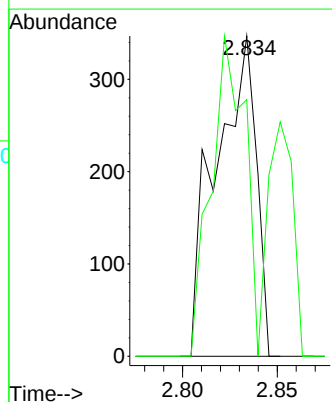
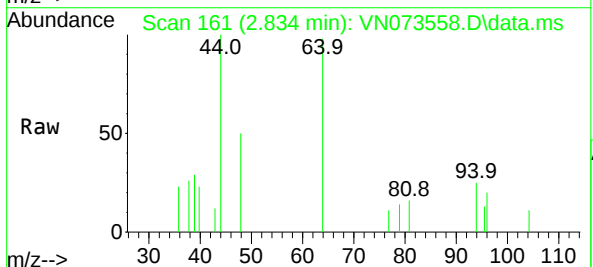
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

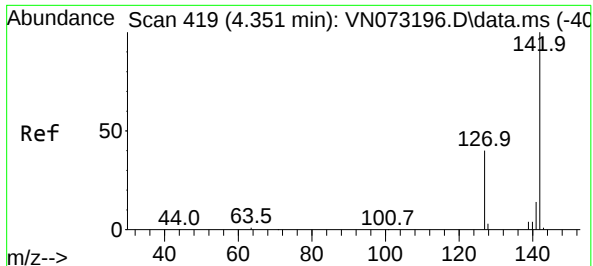
Tgt Ion:168 Resp: 292843
Ion Ratio Lower Upper
168 100
99 61.7 42.3 63.5



#5
Bromomethane
Concen: 0.306 ug/l
RT: 2.834 min Scan# 161
Delta R.T. 0.041 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 80.1 76.0 114.0

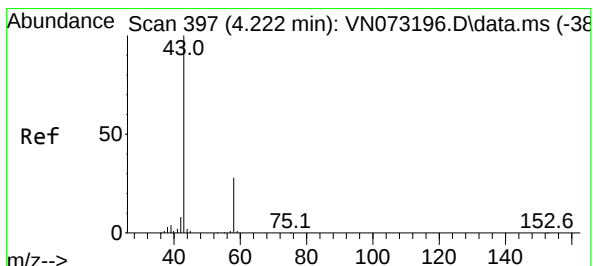
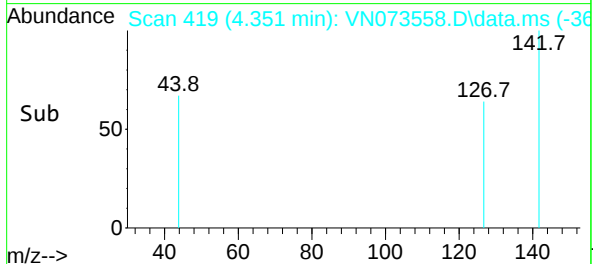
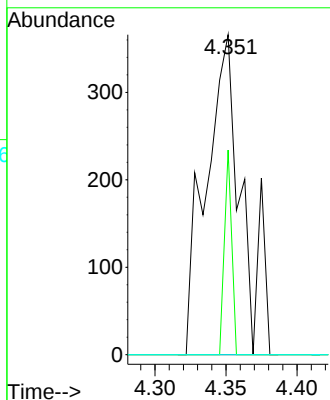
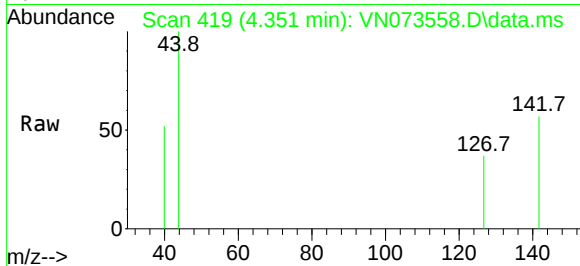




#10
Methyl Iodide
Concen: 3.856 ug/l
RT: 4.351 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

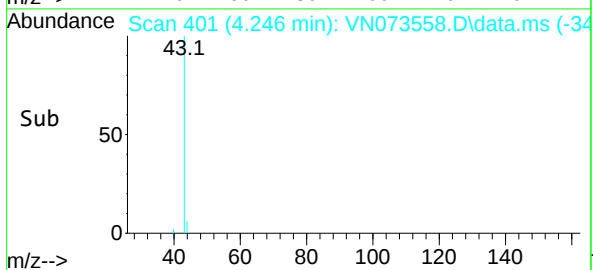
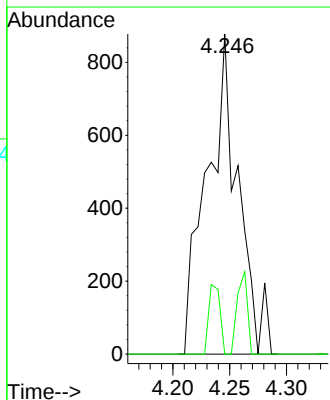
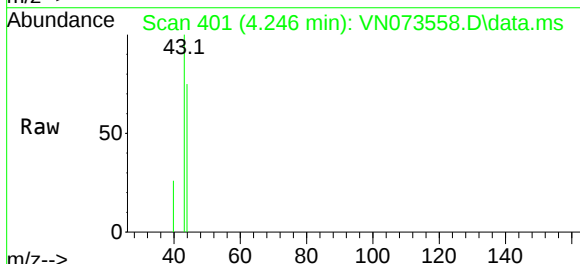
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

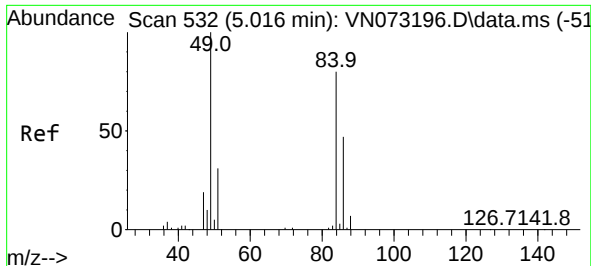
Tgt Ion:142 Resp: 649
Ion Ratio Lower Upper
142 100
127 12.8 31.3 46.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 0.710 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

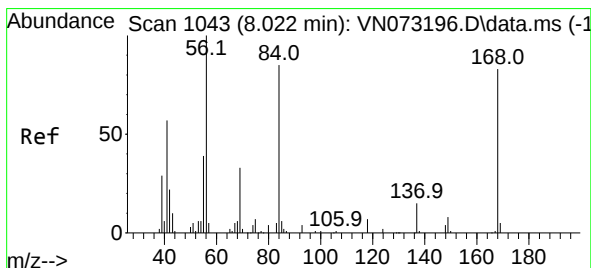
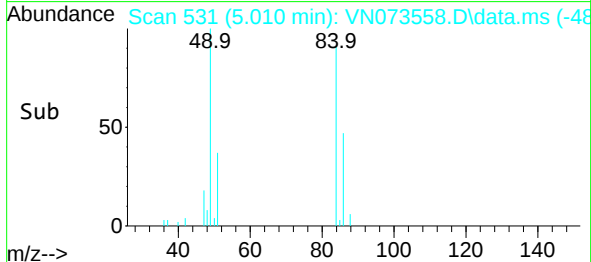
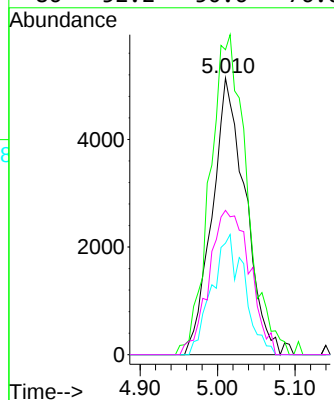
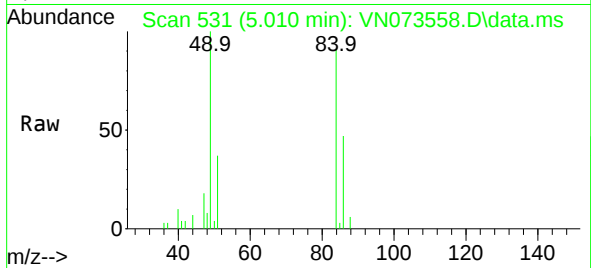




#20
Methylene Chloride
Concen: 3.664 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

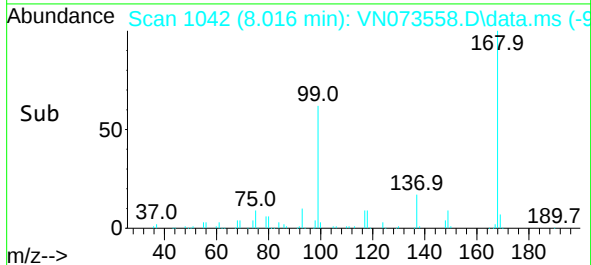
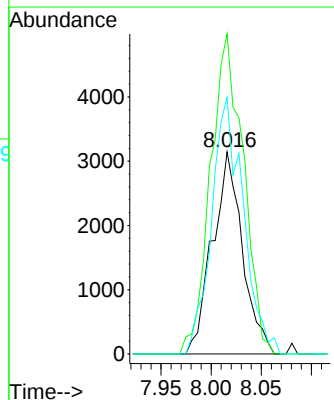
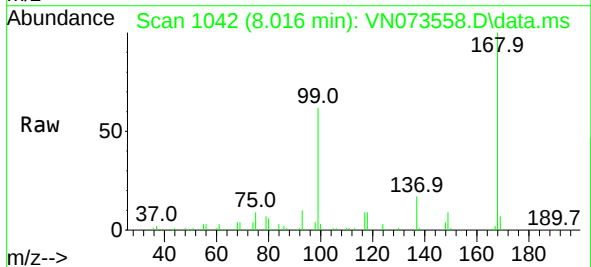
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

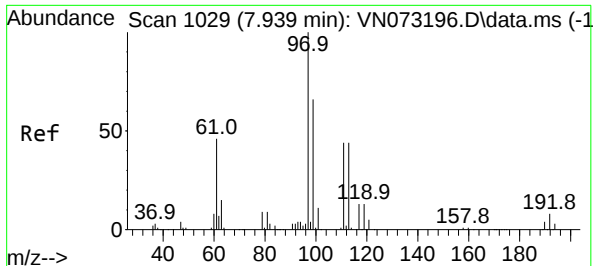
Tgt Ion:	84	Resp:	15280
Ion	Ratio	Lower	Upper
84	100		
49	106.8	88.3	132.5
51	40.3	28.2	42.2
86	52.2	50.6	76.0



#31
Cyclohexane
Concen: 0.943 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion:	56	Resp:	6528
Ion	Ratio	Lower	Upper
56	100		
69	158.3	27.8	41.8#
84	127.0	76.9	115.3#





#32

1,1,1-Trichloroethane

Concen: 0.474 ug/l

RT: 7.939 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VN073558.D

Acq: 21 Jul 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

SPC-04-84DL

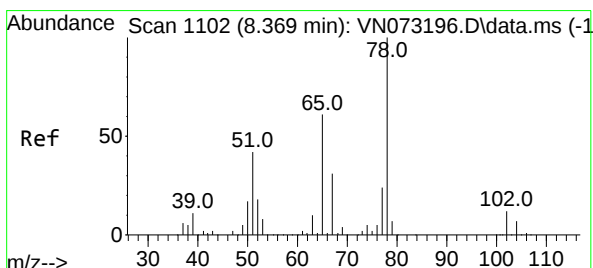
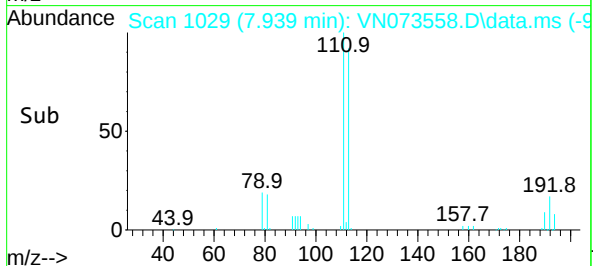
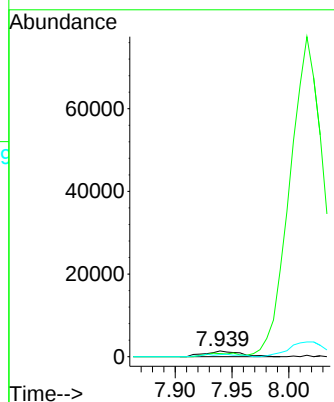
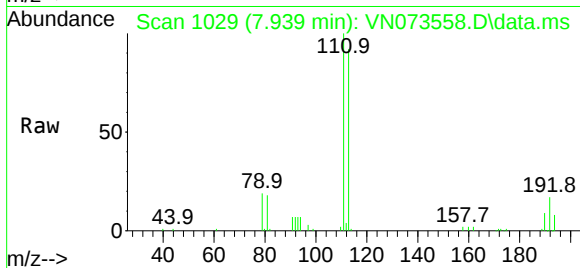
Tgt Ion: 97 Resp: 2986

Ion Ratio Lower Upper

97 100

99 0.0 50.6 76.0#

61 41.4 36.0 54.0



#33

1,2-Dichloroethane-d4

Concen: 41.660 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073558.D

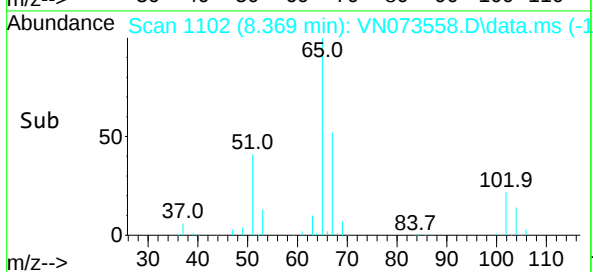
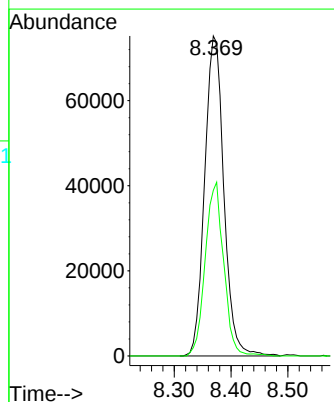
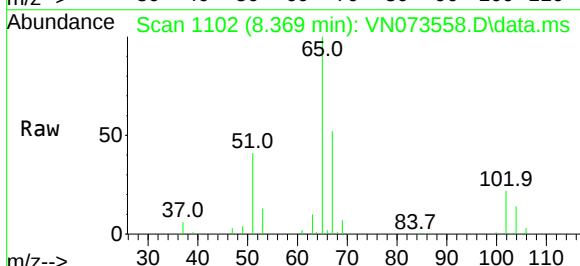
Acq: 21 Jul 2022 16:11

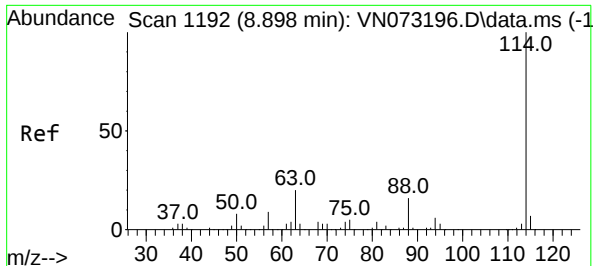
Tgt Ion: 65 Resp: 176117

Ion Ratio Lower Upper

65 100

67 52.3 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: VN073558.D

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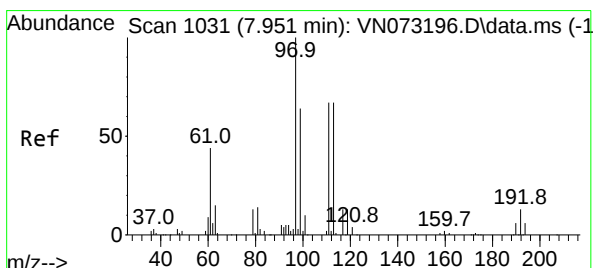
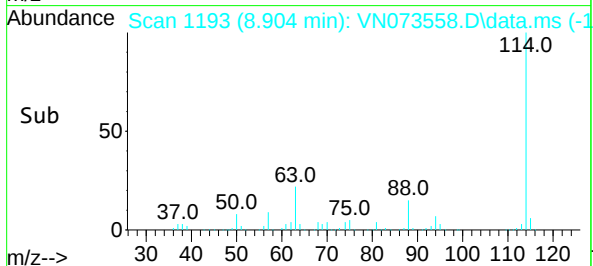
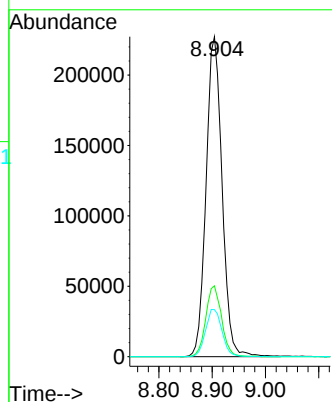
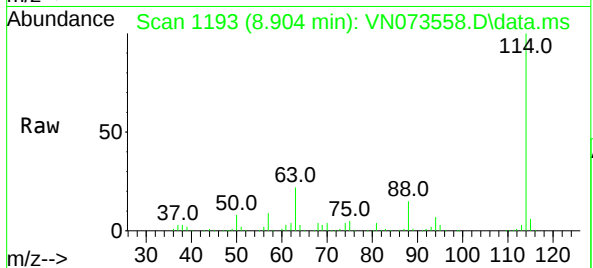
Tgt Ion:114 Resp: 474316

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.0

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.614 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073558.D

Acq: 21 Jul 2022 16:11

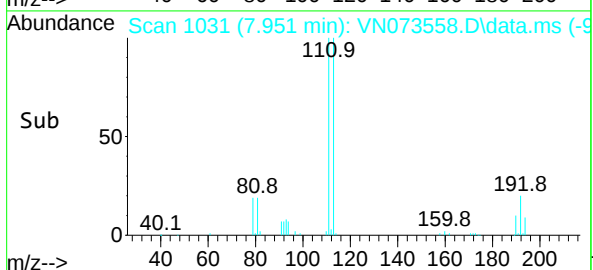
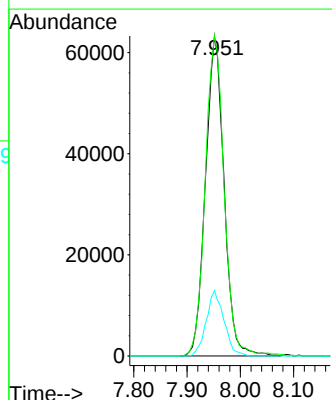
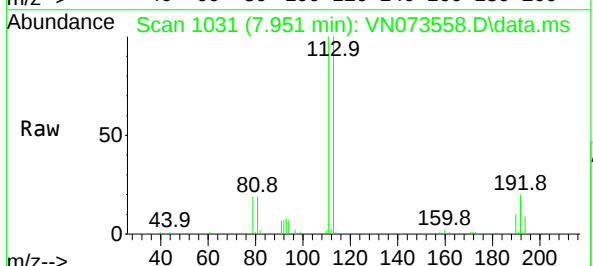
Tgt Ion:113 Resp: 153411

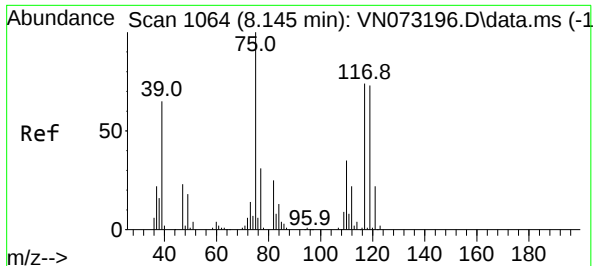
Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

192 19.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.777 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073558.D

Acq: 21 Jul 2022 16:11

Instrument :

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ClientSampleId :

SPC-04-84DL

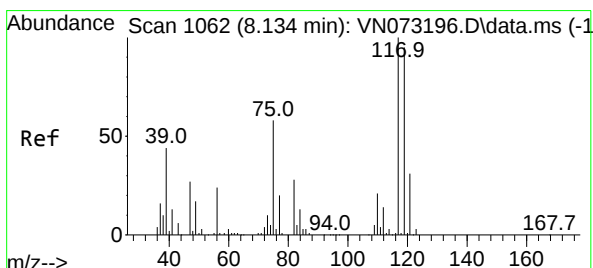
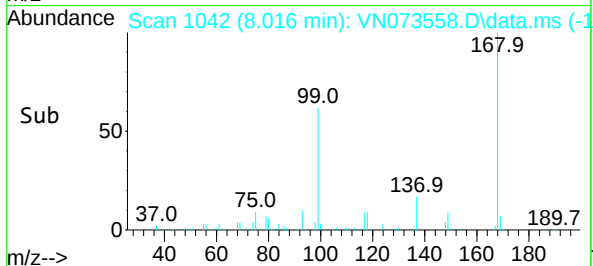
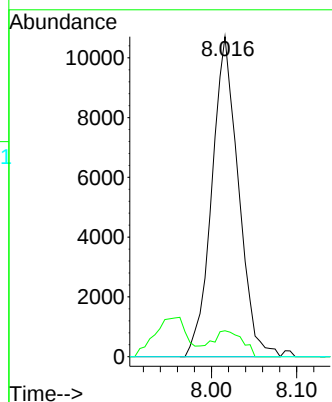
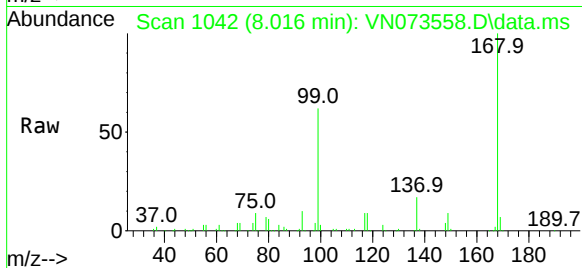
Tgt Ion: 75 Resp: 23195

Ion Ratio Lower Upper

75 100

110 9.3 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 0.219 ug/l

RT: 8.134 min Scan# 1062

Delta R.T. -0.000 min

Lab File: VN073558.D

Acq: 21 Jul 2022 16:11

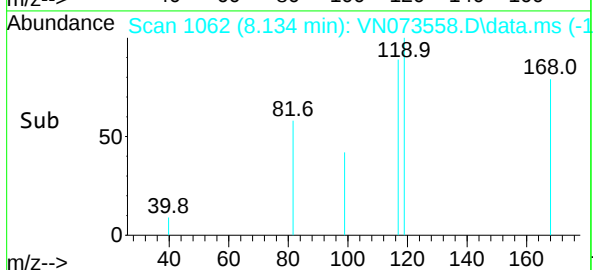
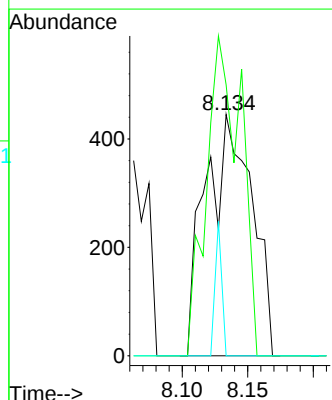
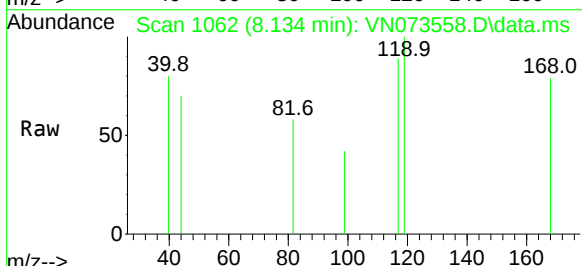
Tgt Ion: 117 Resp: 1098

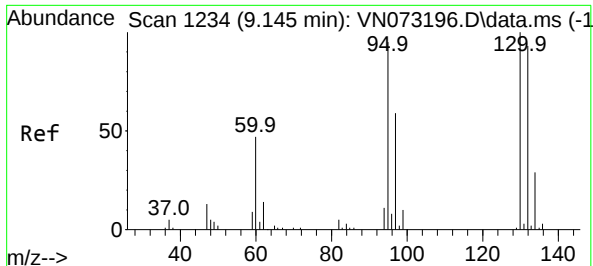
Ion Ratio Lower Upper

117 100

119 112.4 75.8 113.8

121 0.0 24.6 37.0#

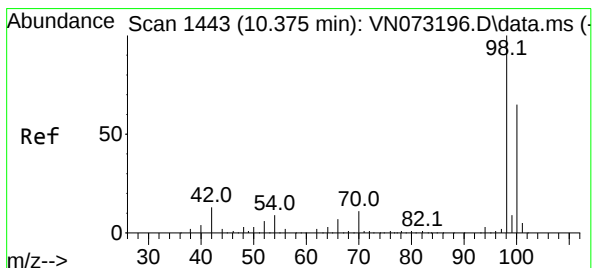
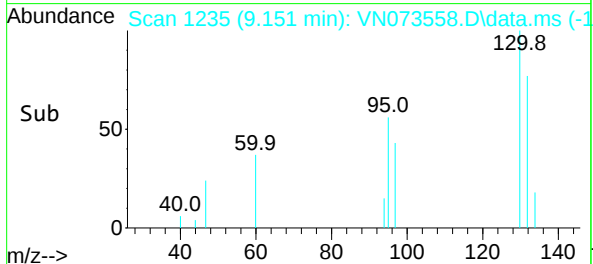
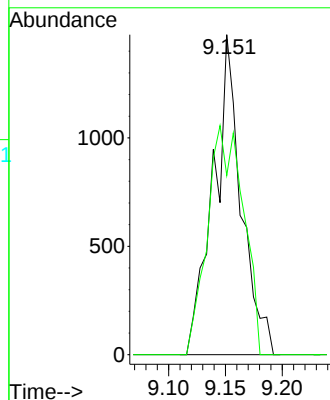
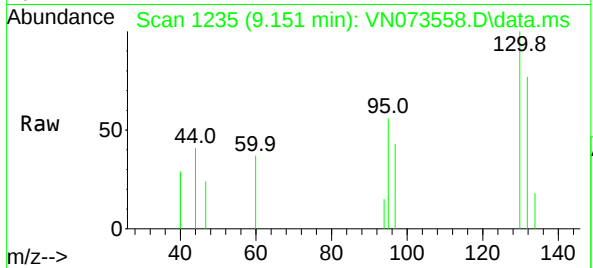




#44
Trichloroethene
Concen: 0.663 ug/l
RT: 9.151 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

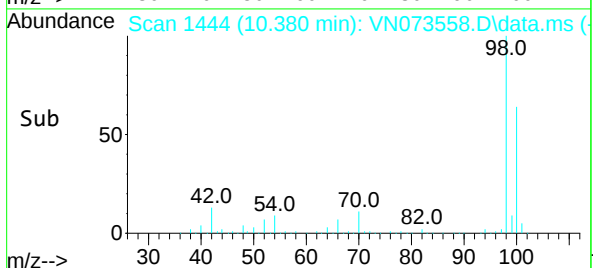
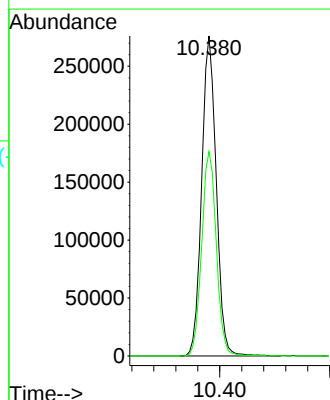
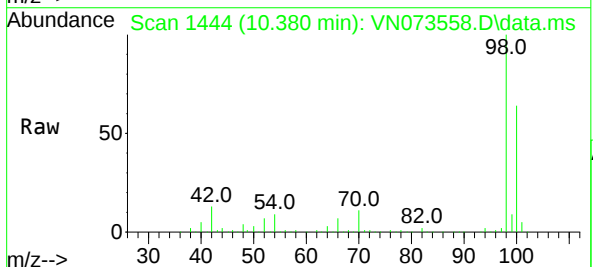
Instrument :
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SPC-04-84DL

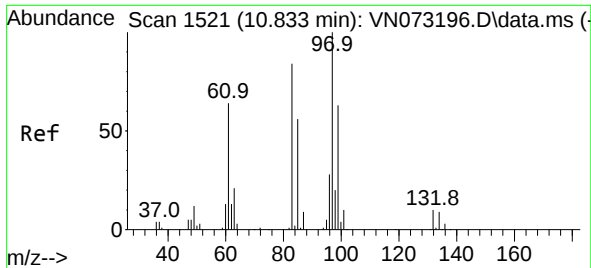
Tgt Ion:130 Resp: 2529
Ion Ratio Lower Upper
130 100
95 56.0 0.0 186.8



#50
Toluene-d8
Concen: 45.197 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

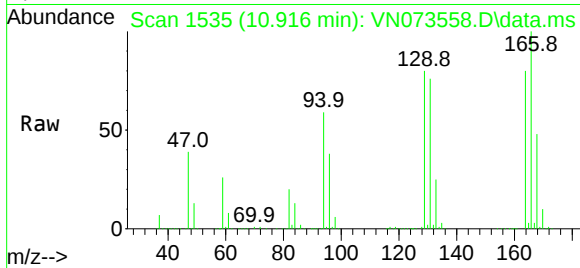
Tgt Ion: 98 Resp: 506565
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



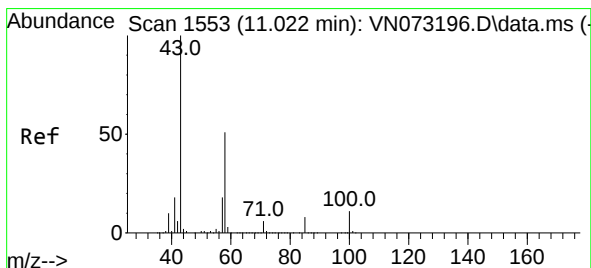
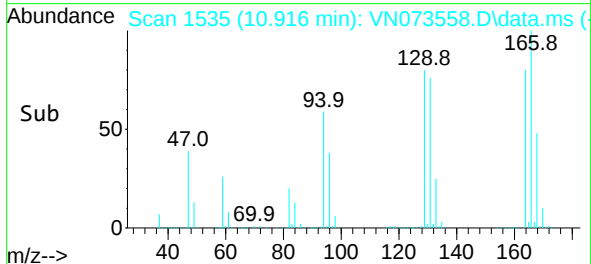
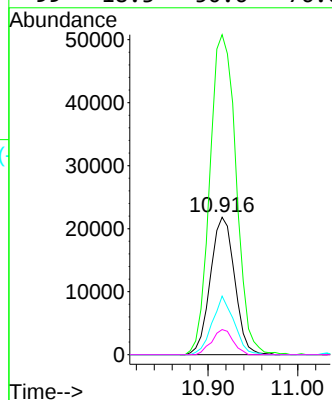


#55
1,1,2-Trichloroethane
Concen: 10.744 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.083 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

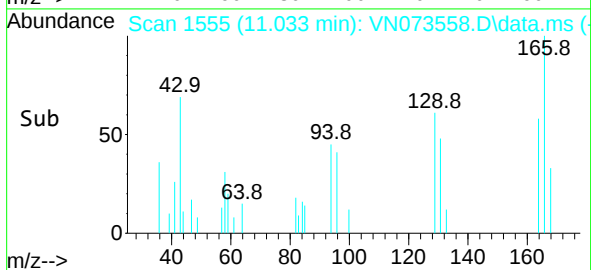
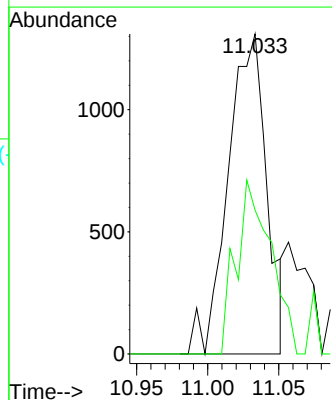
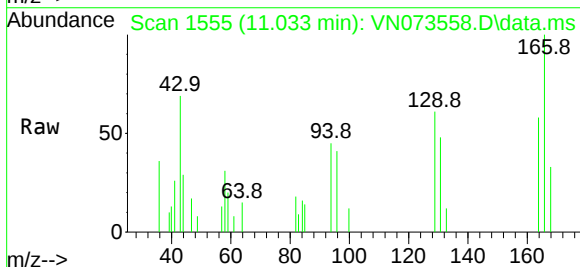


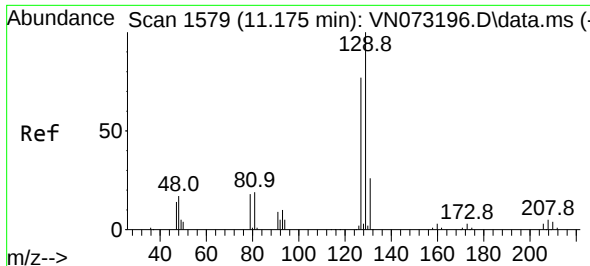
Tgt Ion:	97	Resp:	40963
Ion	Ratio	Lower	Upper
97	100		
83	232.9	66.2	99.4#
85	42.6	43.9	65.9#
99	18.3	50.6	76.0#



#59
2-Hexanone
Concen: 0.487 ug/l
RT: 11.033 min Scan# 1555
Delta R.T. 0.011 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion:	43	Resp:	2483
Ion	Ratio	Lower	Upper
43	100		
58	48.8	29.7	89.1

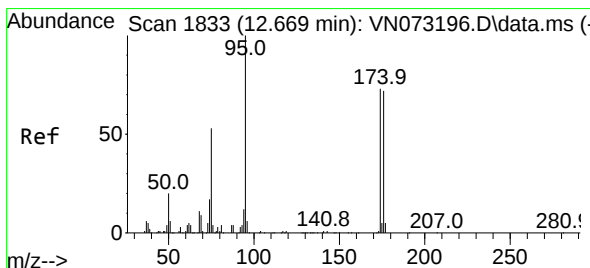
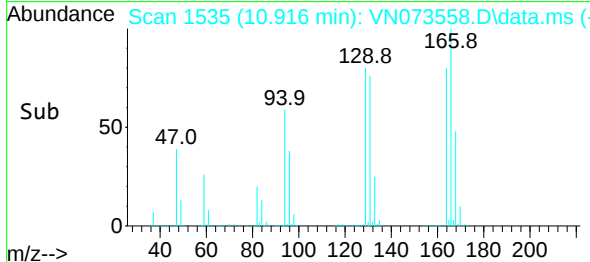
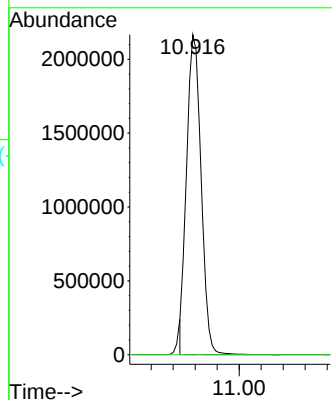
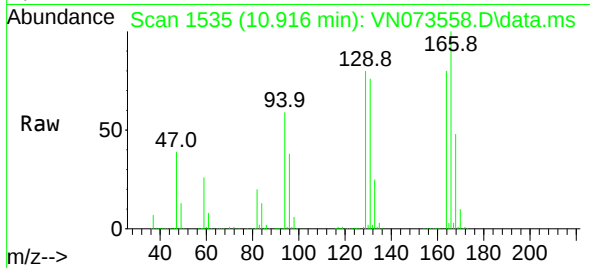




#60
Dibromochloromethane
Concen: 1086.615 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

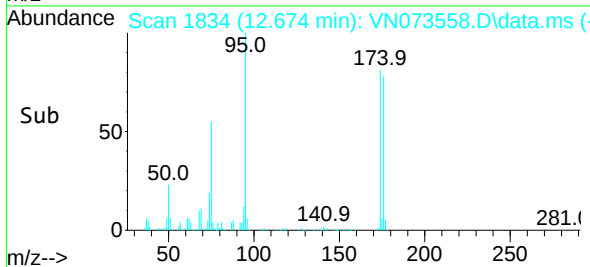
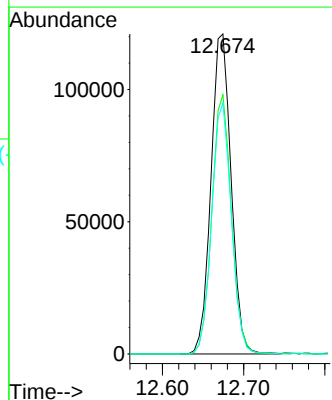
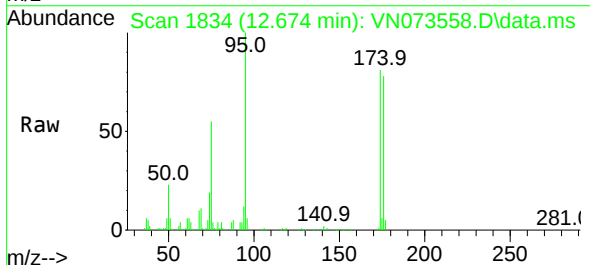
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

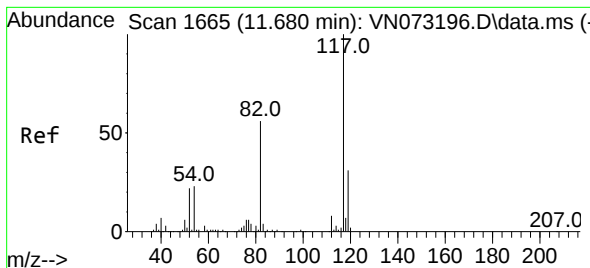
Tgt Ion:129 Resp: 3949840
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.442 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion: 95 Resp: 208650
Ion Ratio Lower Upper
95 100
174 78.3 0.0 167.6
176 76.5 0.0 163.4

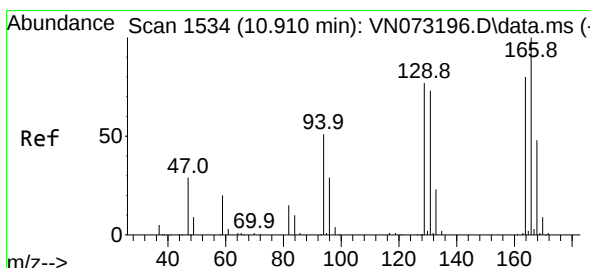
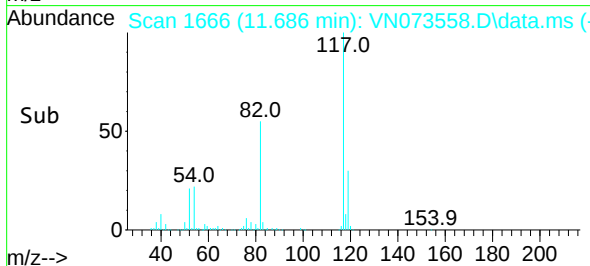
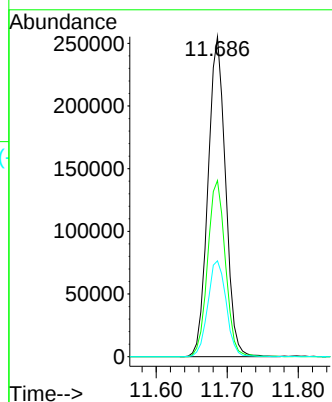
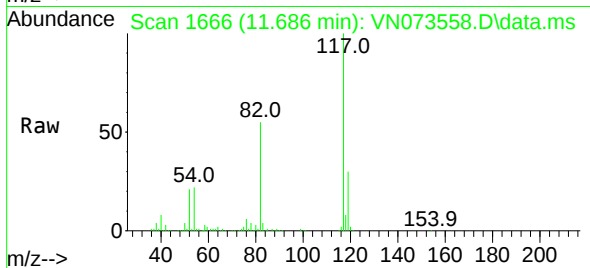




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

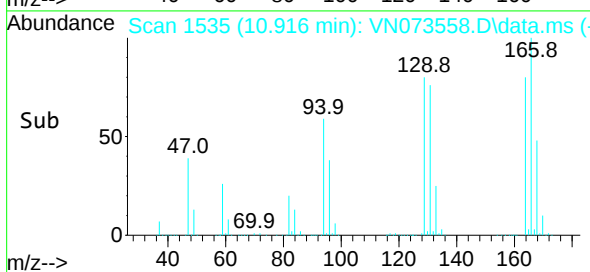
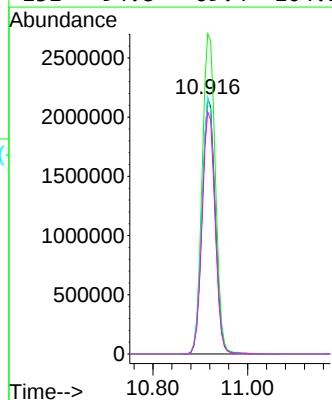
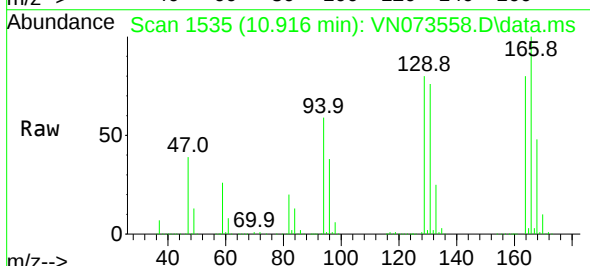
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

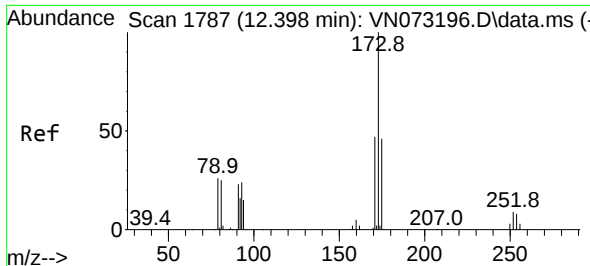
Tgt Ion:117 Resp: 437560
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 30.0 25.4 38.0



#64
Tetrachloroethene
Concen: 1159.629 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion:164 Resp: 4143354
Ion Ratio Lower Upper
164 100
166 125.4 104.2 156.2
129 100.5 73.9 110.9
131 94.8 69.4 104.2

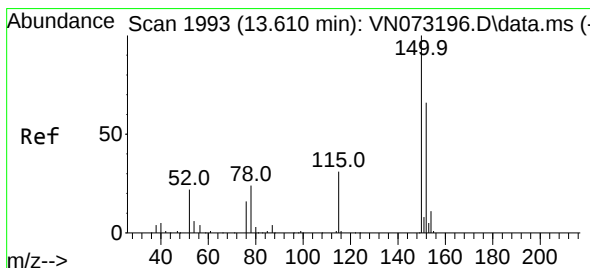
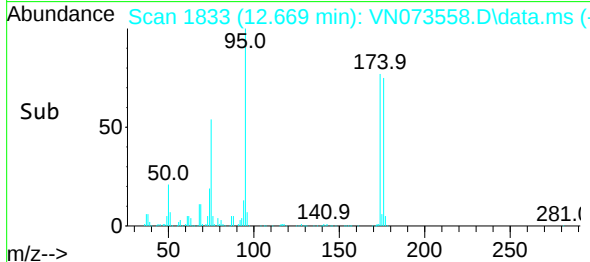
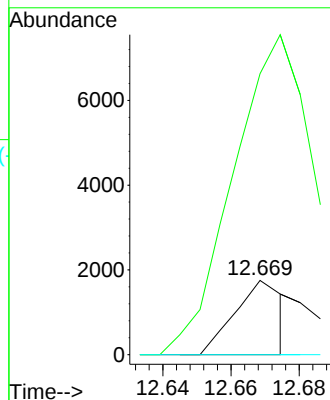
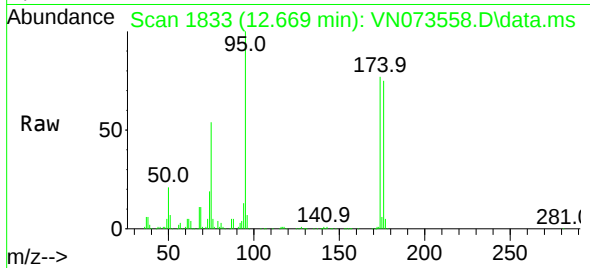




#71
Bromoform
Concen: 0.647 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

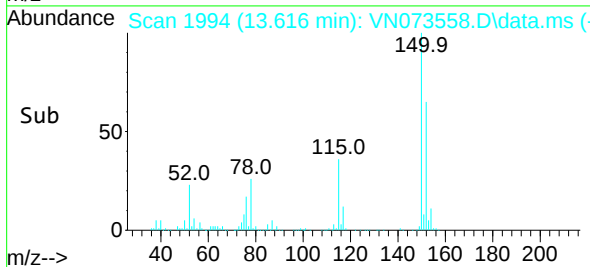
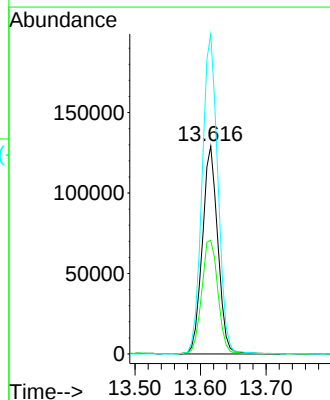
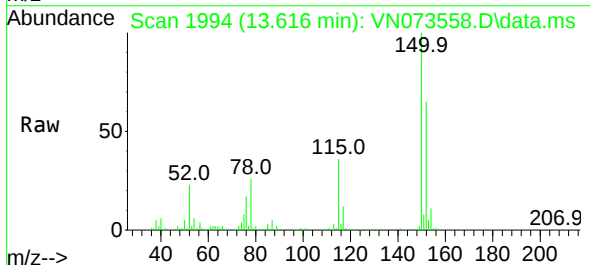
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

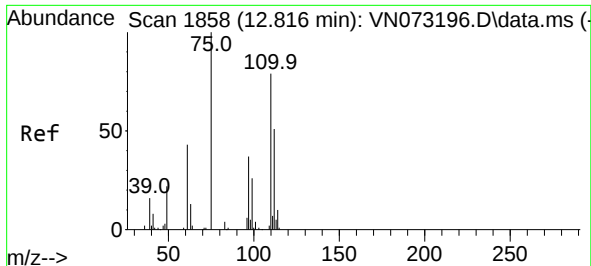
Tgt Ion:173 Resp: 1722
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion:152 Resp: 212601
Ion Ratio Lower Upper
152 100
115 57.4 28.9 86.7
150 156.4 0.0 356.2

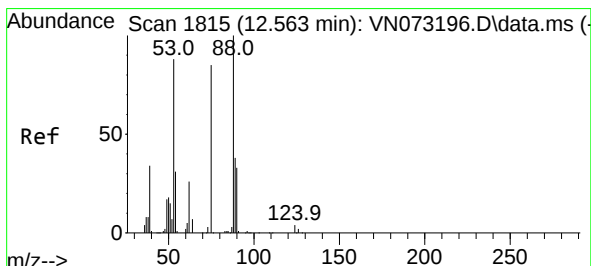
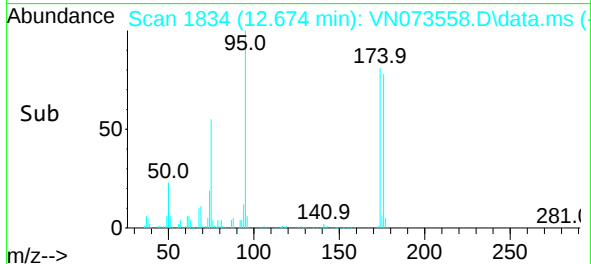
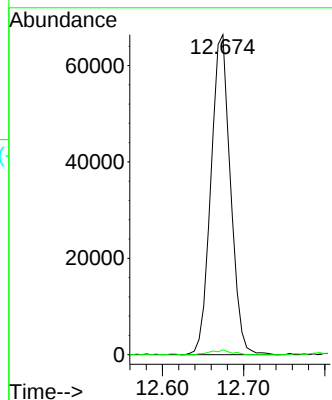
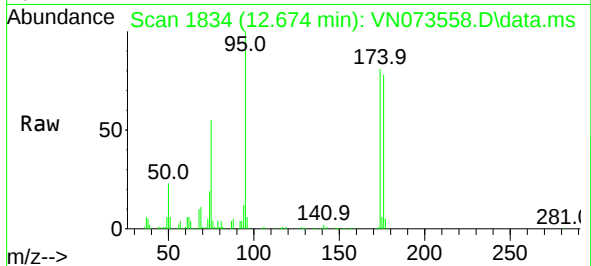




#76
1,2,3-Trichloropropane
Concen: 19.985 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

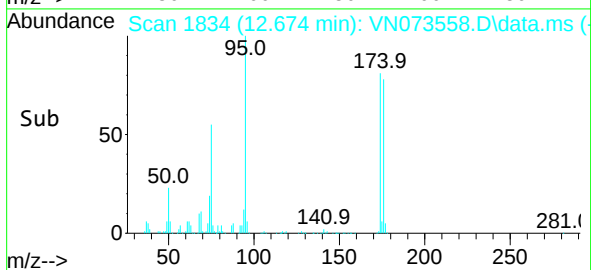
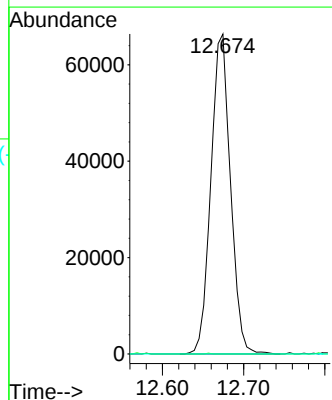
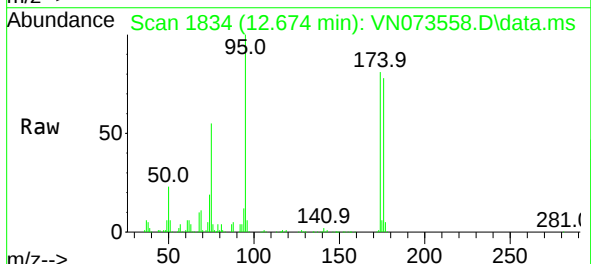
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

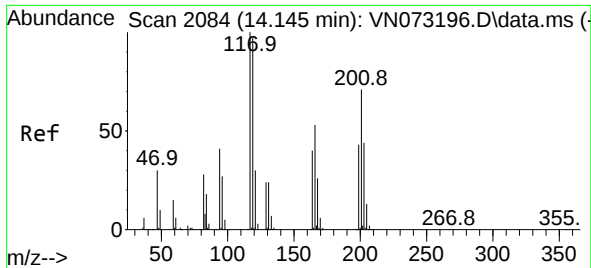
Tgt Ion: 75 Resp: 111097
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.807 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion: 75 Resp: 111097
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

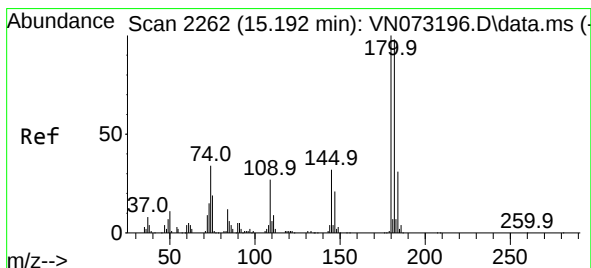
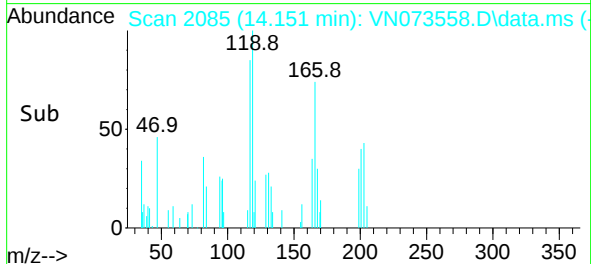
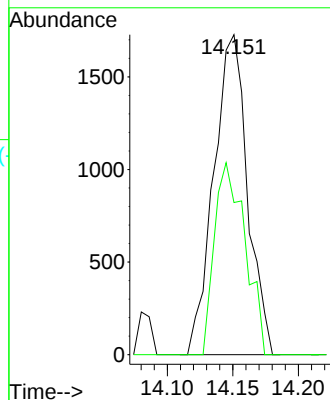
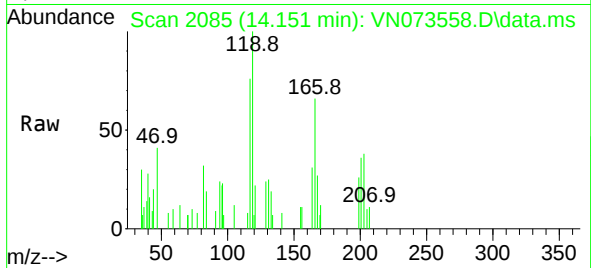




#90
Hexachloroethane
Concen: 1.139 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

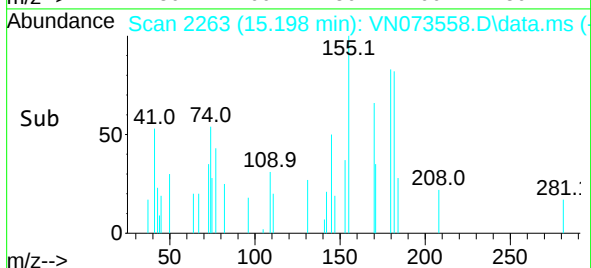
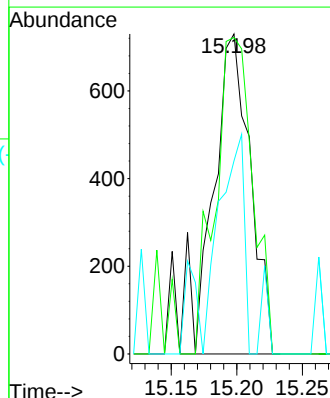
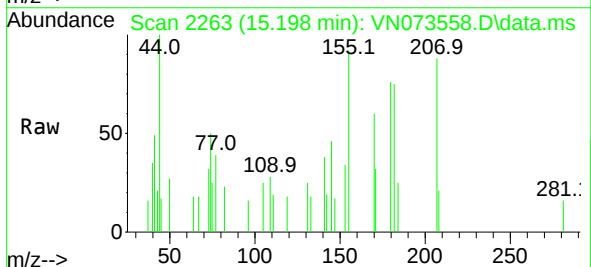
Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

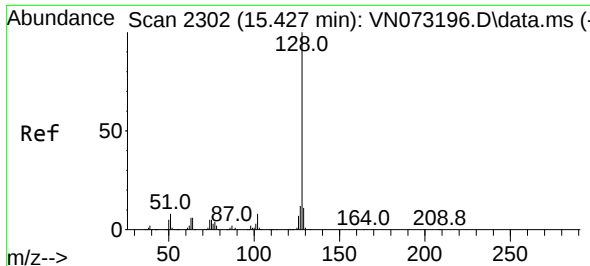
Tgt Ion:117 Resp: 3089
Ion Ratio Lower Upper
117 100
201 54.4 40.6 122.0



#93
1,2,4-Trichlorobenzene
Concen: 0.362 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. 0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion:180 Resp: 1470
Ion Ratio Lower Upper
180 100
182 97.6 47.5 142.5
145 44.7 14.5 43.5#

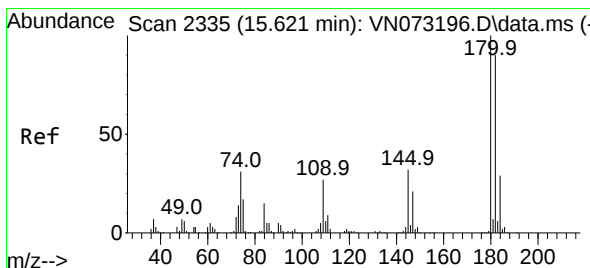
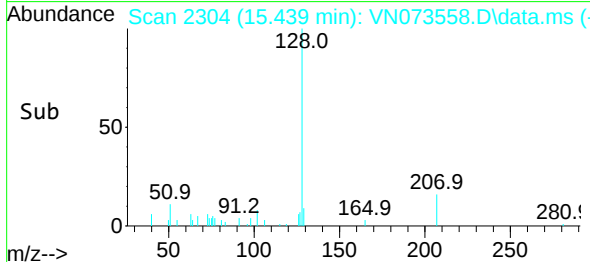
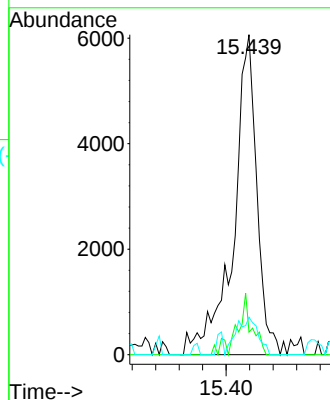
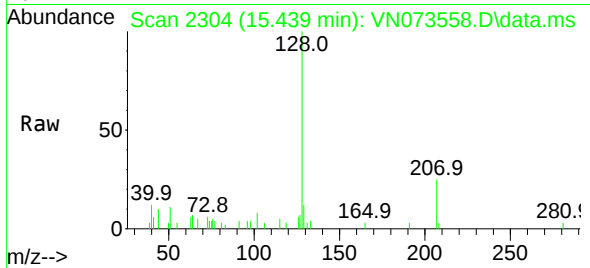




#95
Naphthalene
Concen: 1.018 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
SPC-04-84DL

Tgt Ion:128	Resp:	16681
Ion Ratio	Lower	Upper
128	100	
127	10.4	10.3 15.5
129	10.9	8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.370 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VN073558.D
Acq: 21 Jul 2022 16:11

Tgt Ion:180	Resp:	1549
Ion Ratio	Lower	Upper
180	100	
182	135.8	47.8 143.3
145	37.1	15.5 46.5

