

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070955.D
 Acq On : 16 Feb 2022 13:47
 Operator : JC\MD
 Sample : VN0216WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216MBL01

Quant Time: Feb 17 04:08:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

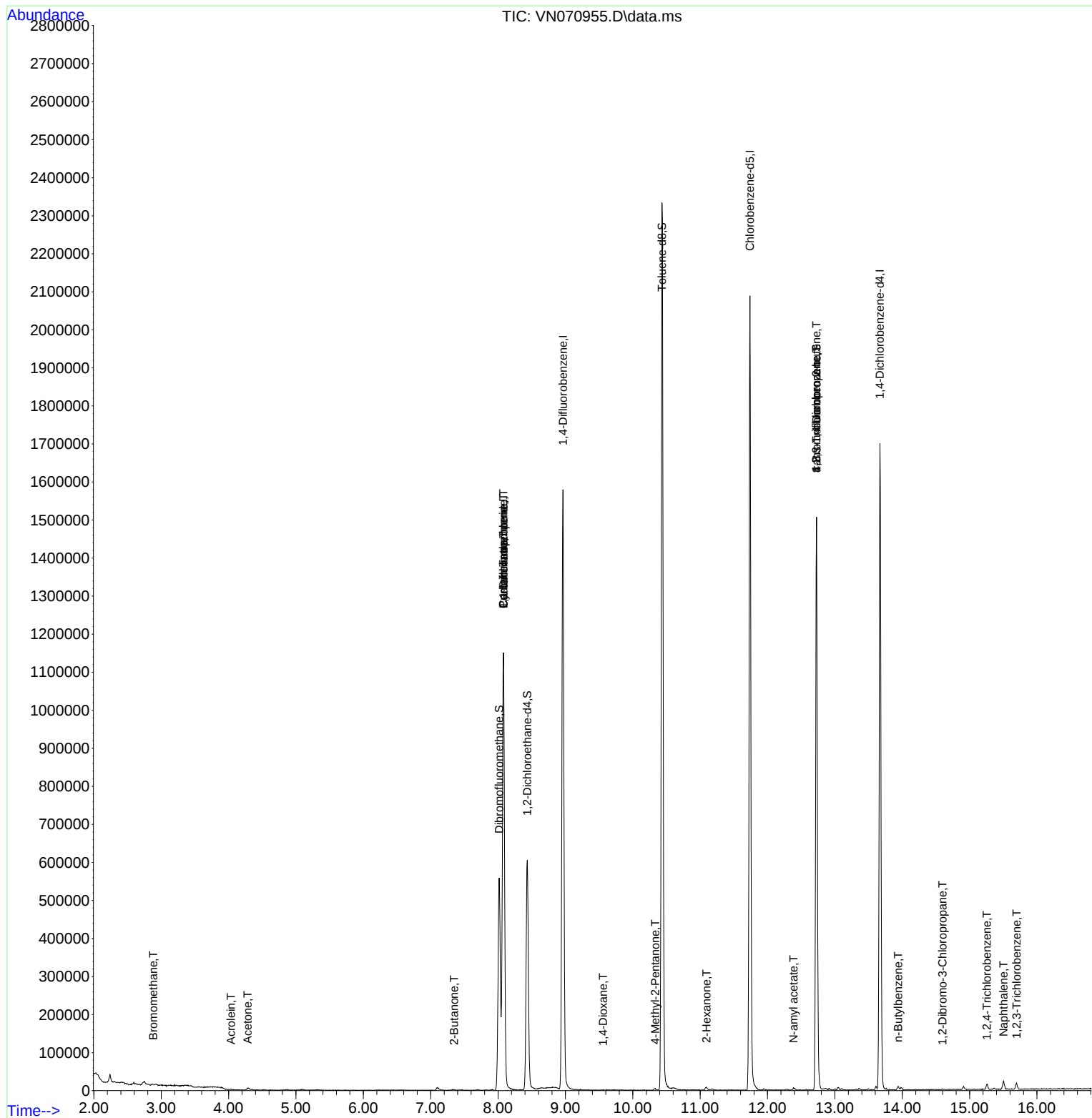
Internal Standards						
1) Pentafluorobenzene	8.081	168	924608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1410333	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1256603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	502366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	507048	48.007	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.020%		
35) Dibromofluoromethane	8.016	113	417034	49.714	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.420%		
50) Toluene-d8	10.433	98	1666511	49.469	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.940%		
62) 4-Bromofluorobenzene	12.727	95	537259	44.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.240%		
Target Compounds					Qvalue	
5) Bromomethane	2.881	94	2307	0.336	ug/l	94
13) Acrolein	4.034	56	1349	0.784	ug/l #	80
16) Acetone	4.281	43	5163	0.888	ug/l #	83
18) Methyl Acetate	4.851	43	1937	Below Cal	#	78
25) 2-Butanone	7.345	43	2984	0.386	ug/l	98
31) Cyclohexane	8.081	56	17895	0.980	ug/l #	8
36) 1,1-Dichloropropene	8.081	75	66498	4.839	ug/l #	48
38) Carbon Tetrachloride	8.081	117	86299	6.373	ug/l #	16
49) 1,4-Dioxane	9.557	88	55	0.282	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	3669	0.260	ug/l	93
59) 2-Hexanone	11.092	43	8073	0.830	ug/l	99
74) N-amyl acetate	12.386	43	4234	0.328	ug/l	95
76) 1,2,3-Trichloropropane	12.727	75	264323	22.347	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	264323	72.414	ug/l #	5
89) n-Butylbenzene	13.939	91	6162	0.225	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	622	0.299	ug/l	85
93) 1,2,4-Trichlorobenzene	15.257	180	5823	2.603	ug/l	86
95) Naphthalene	15.504	128	19352	5.765	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	6972	3.293	ug/l	93

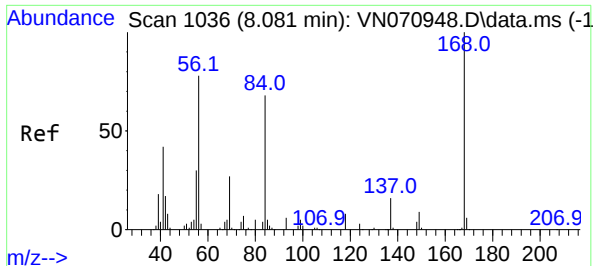
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Feb 16 07:52:42 2022
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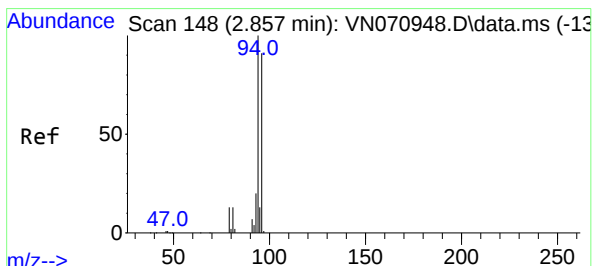
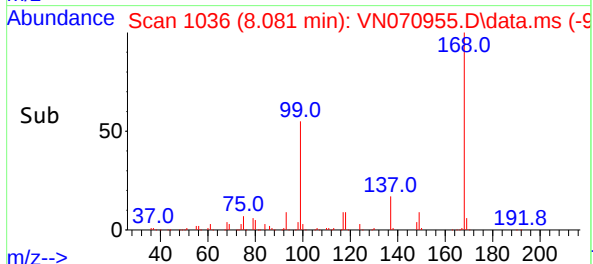
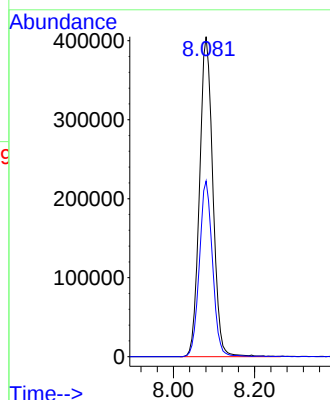
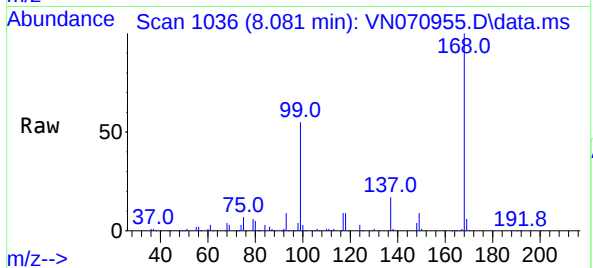




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

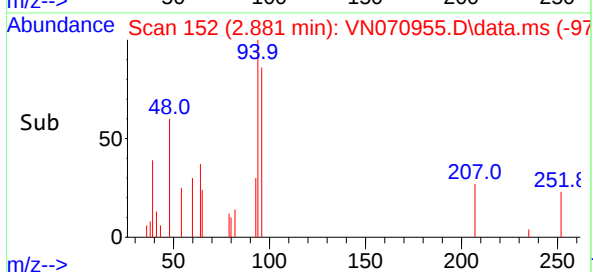
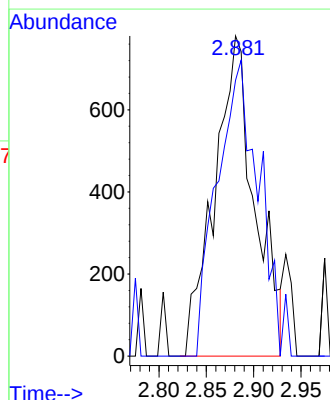
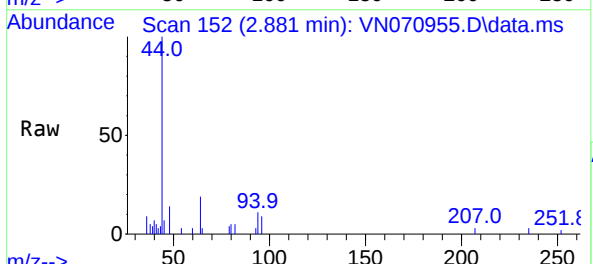
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

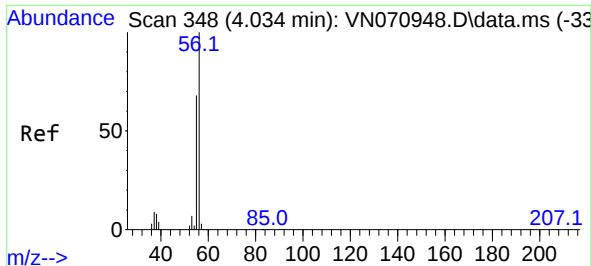
Tgt Ion:168 Resp: 924608
Ion Ratio Lower Upper
168 100
99 54.9 41.3 61.9



#5
Bromomethane
Concen: 0.336 ug/l
RT: 2.881 min Scan# 152
Delta R.T. 0.024 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 94 Resp: 2307
Ion Ratio Lower Upper
94 100
96 86.2 73.8 110.8

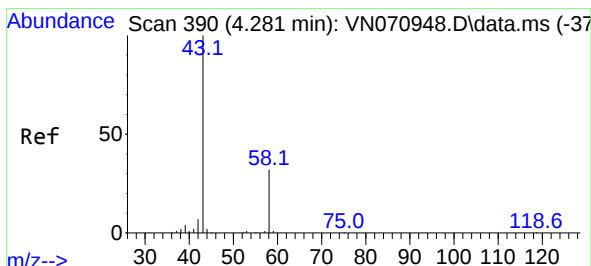
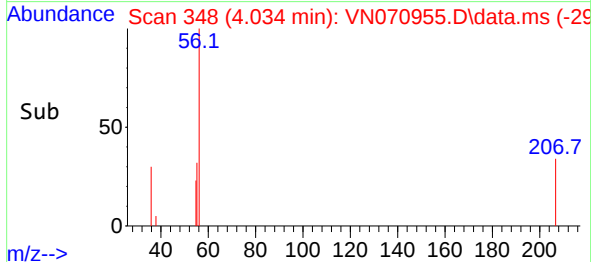
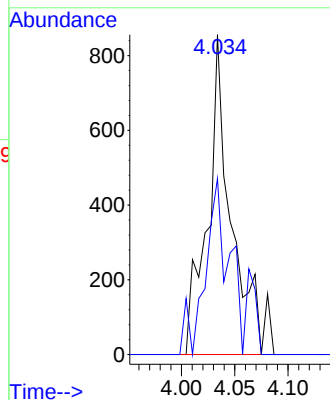
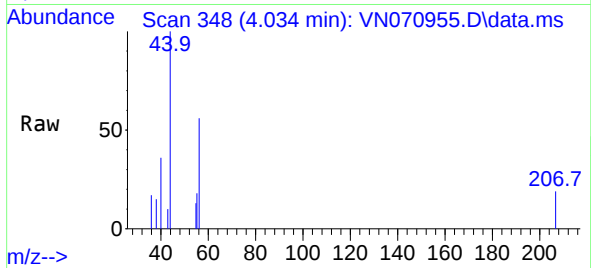




#13
Acrolein
Concen: 0.784 ug/l
RT: 4.034 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

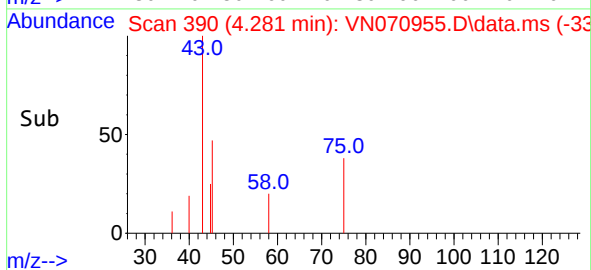
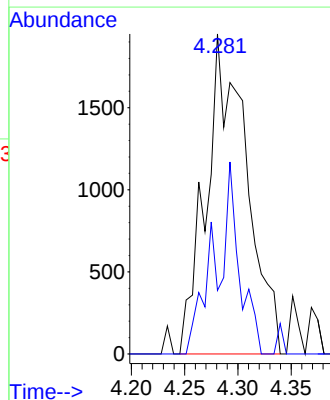
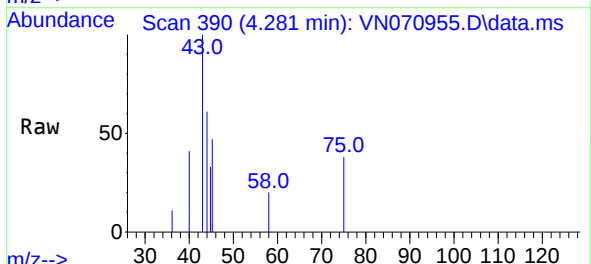
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

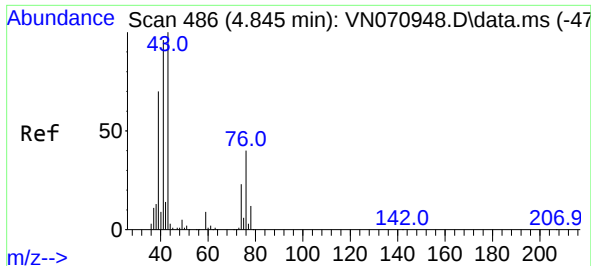
Tgt Ion: 56 Resp: 1349
Ion Ratio Lower Upper
56 100
55 53.9 56.6 85.0#



#16
Acetone
Concen: 0.888 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 43 Resp: 5163
Ion Ratio Lower Upper
43 100
58 19.9 23.1 34.7#

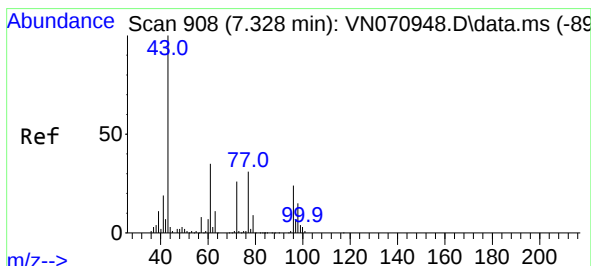
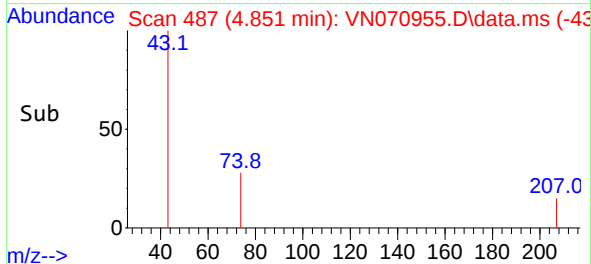
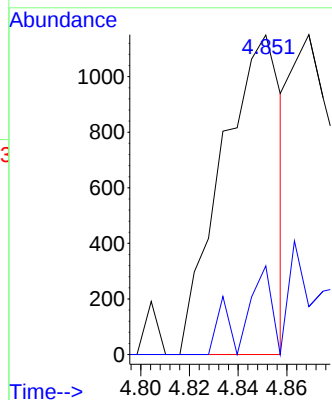
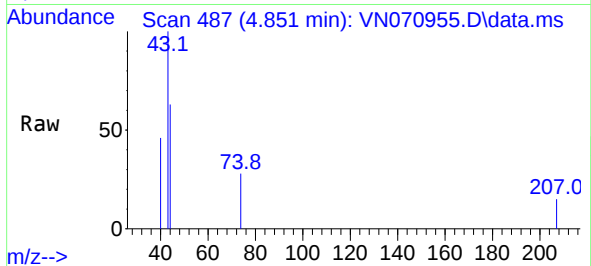




#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

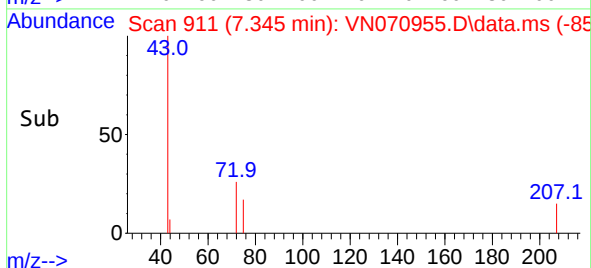
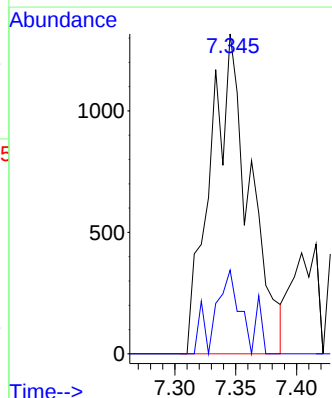
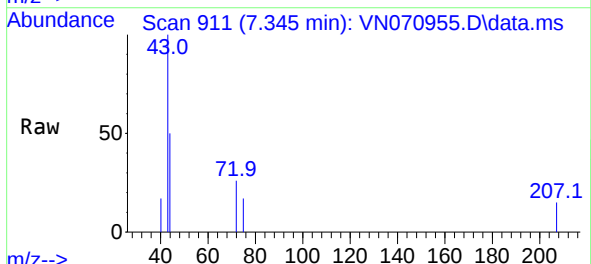
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

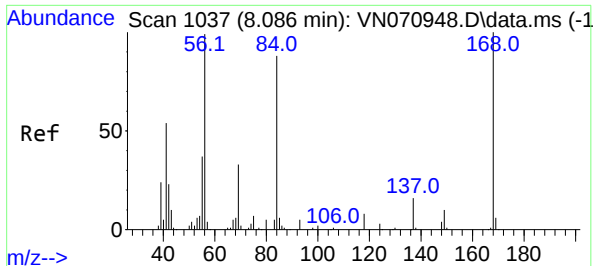
Tgt Ion: 43 Resp: 1937
Ion Ratio Lower Upper
43 100
74 13.4 19.4 29.2#



#25
2-Butanone
Concen: 0.386 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 43 Resp: 2984
Ion Ratio Lower Upper
43 100
72 26.2 21.7 32.5





#31

Cyclohexane

Concen: 0.980 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN070955.D

Acq: 16 Feb 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0216MBL01

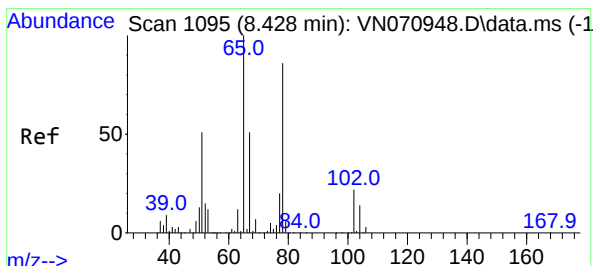
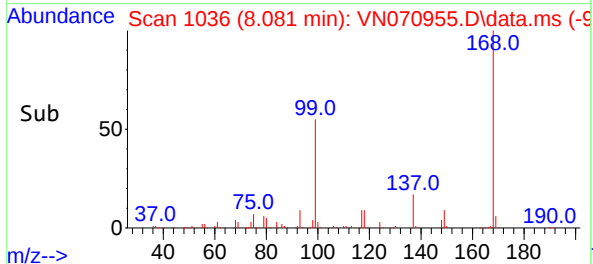
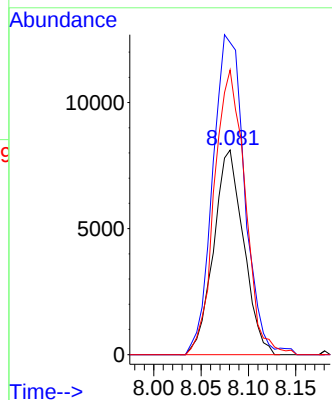
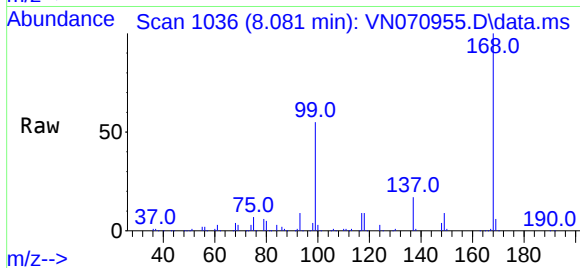
Tgt Ion: 56 Resp: 17895

Ion Ratio Lower Upper

56 100

69 152.6 27.1 40.7#

84 139.2 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 48.007 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN070955.D

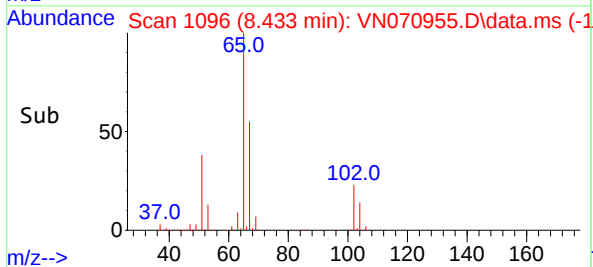
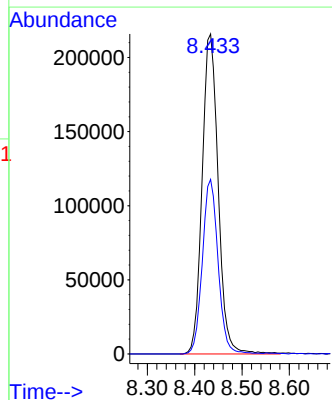
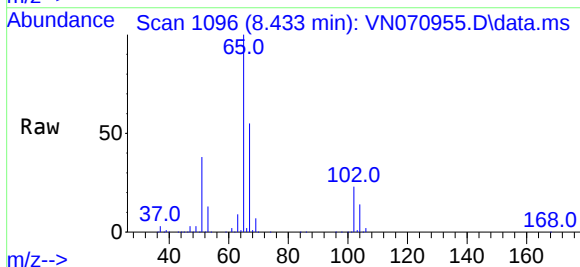
Acq: 16 Feb 2022 13:47

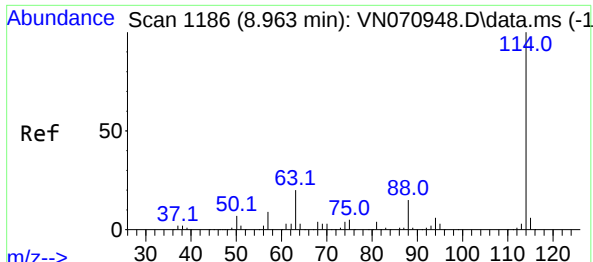
Tgt Ion: 65 Resp: 507048

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.0

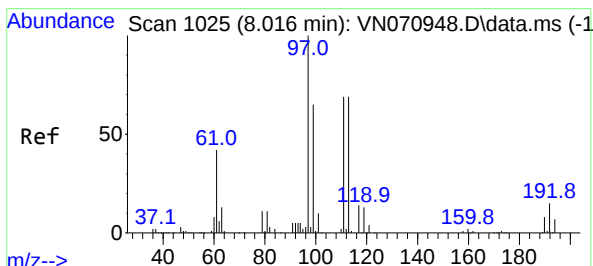
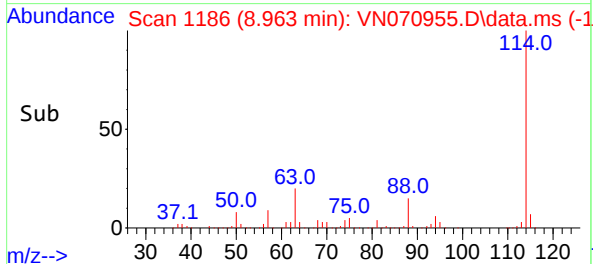
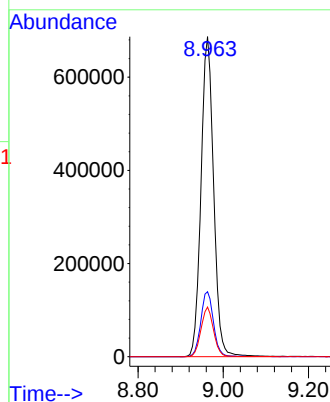
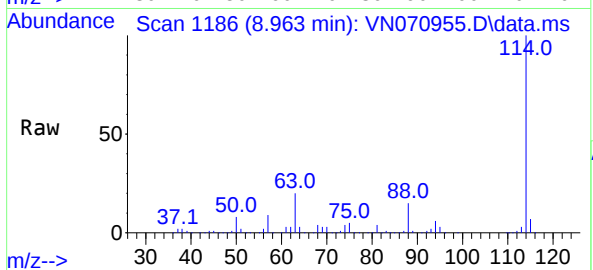




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

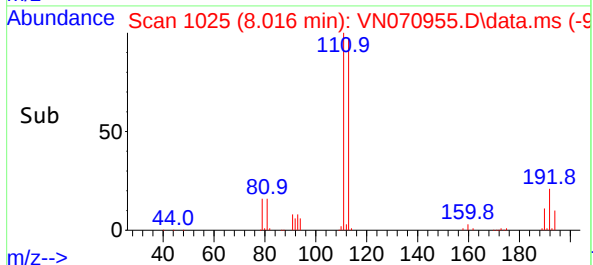
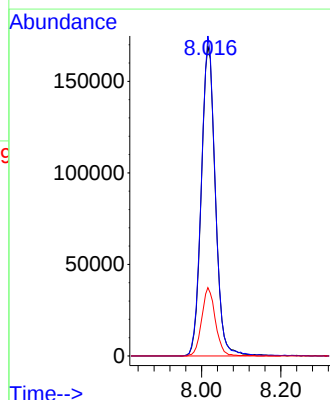
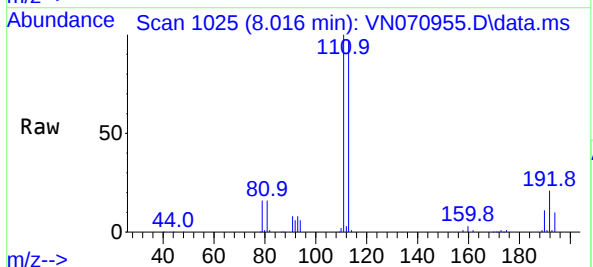
Instrument :
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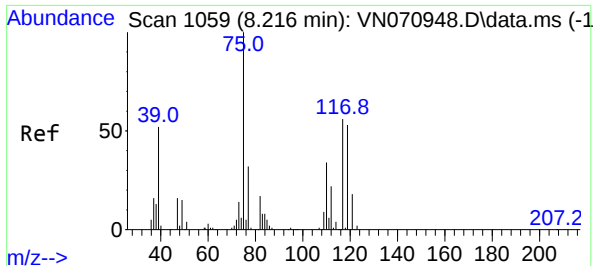
Tgt Ion:114 Resp: 1410333
Ion Ratio Lower Upper
114 100
63 20.3 0.0 37.8
88 15.5 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.714 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion:113 Resp: 417034
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.2
192 21.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.839 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN070955.D

Acq: 16 Feb 2022 13:47

Instrument :

MSVOA_N

ClientSampleId :

VN0216MBL01

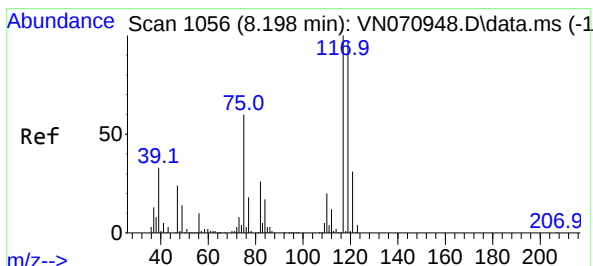
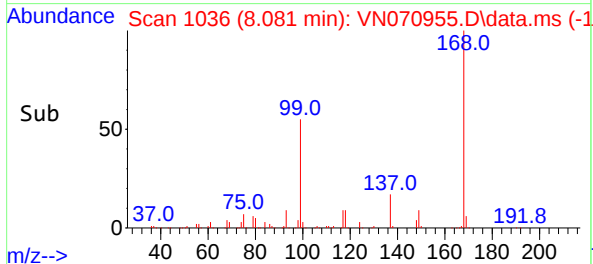
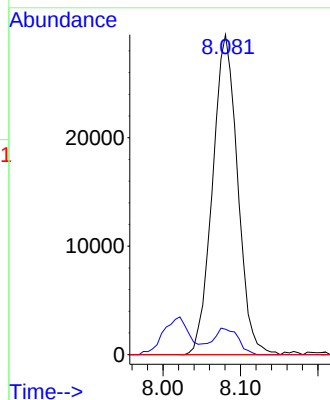
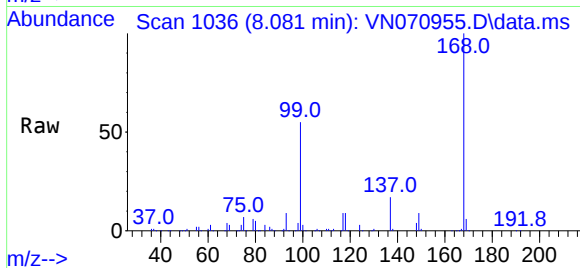
Tgt Ion: 75 Resp: 66498

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.373 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.118 min

Lab File: VN070955.D

Acq: 16 Feb 2022 13:47

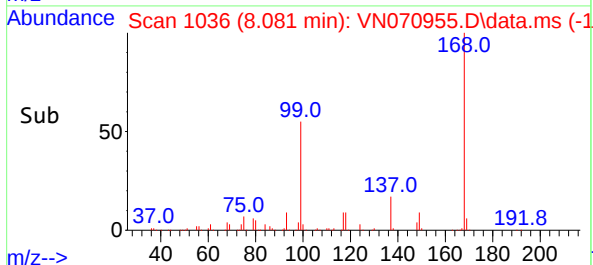
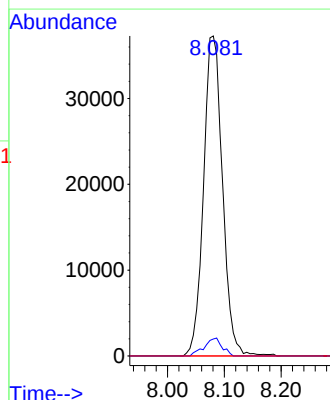
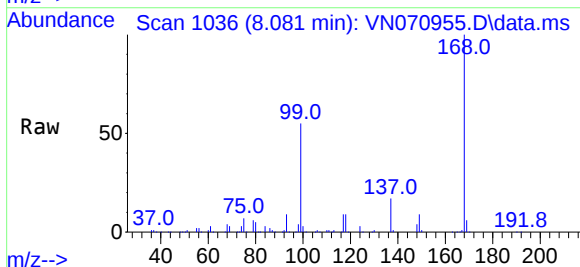
Tgt Ion: 117 Resp: 86299

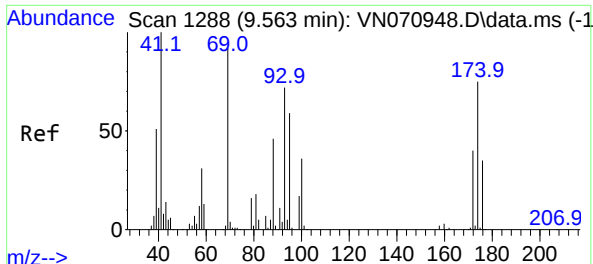
Ion Ratio Lower Upper

117 100

119 5.3 76.1 114.1#

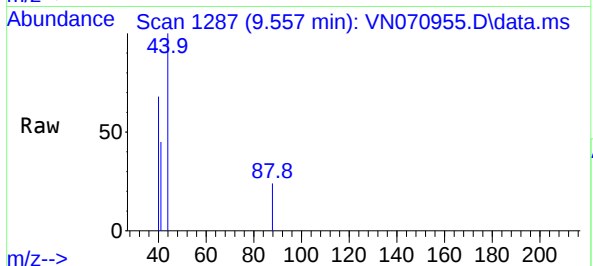
121 0.0 24.2 36.2#



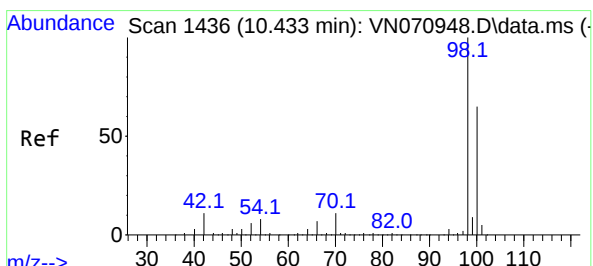
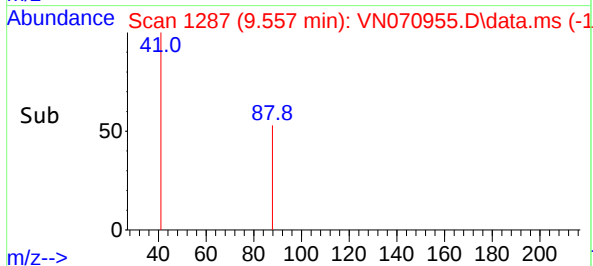
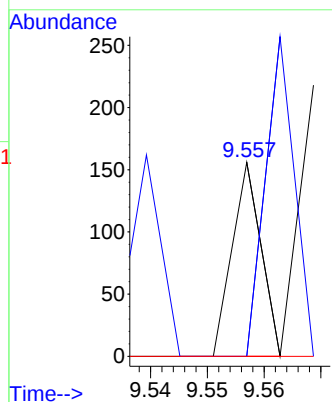


#49
1,4-Dioxane
Concen: 0.282 ug/l
RT: 9.557 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

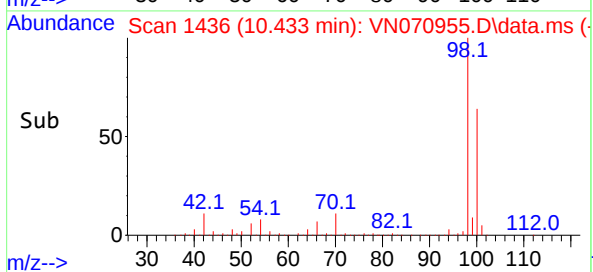
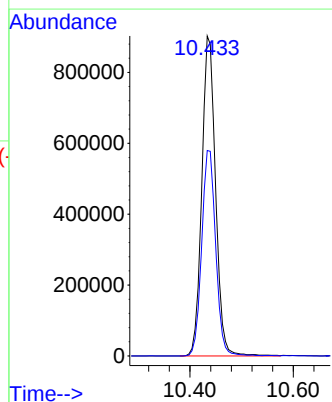
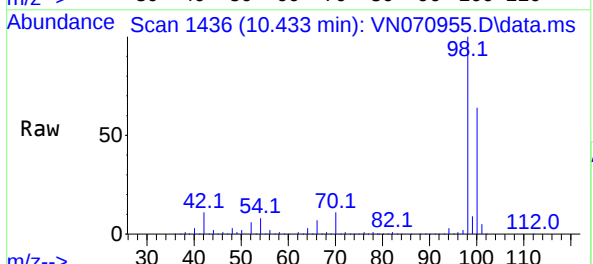


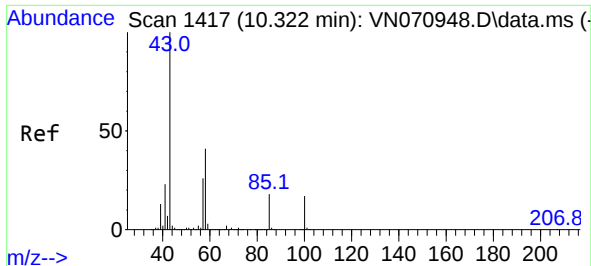
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 274.5 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 49.469 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 98 Resp: 1666511
Ion Ratio Lower Upper
98 100
100 65.6 50.4 75.6

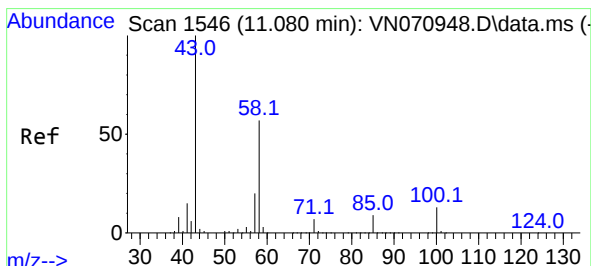
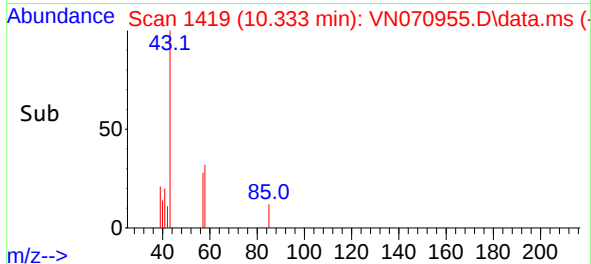
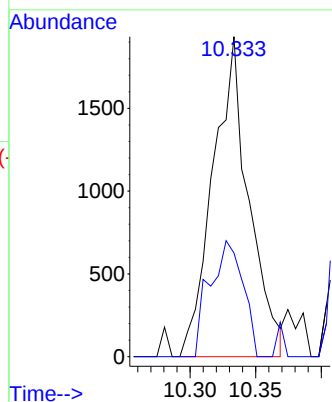
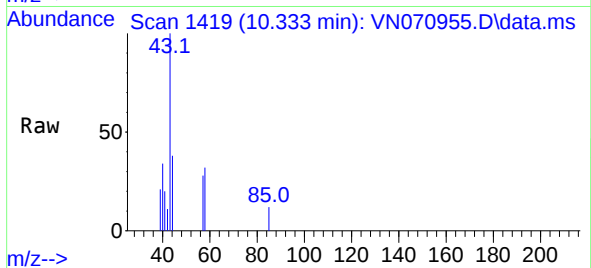




#51
4-Methyl-2-Pentanone
Concen: 0.260 ug/l
RT: 10.333 min Scan# 1417
Delta R.T. 0.012 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

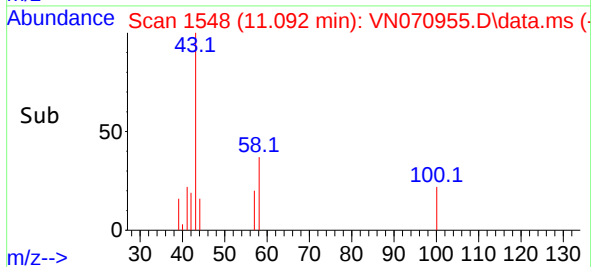
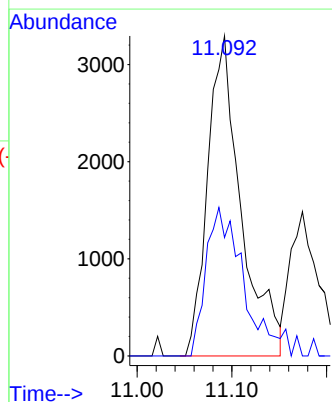
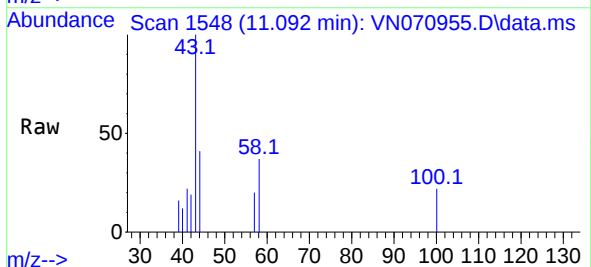
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

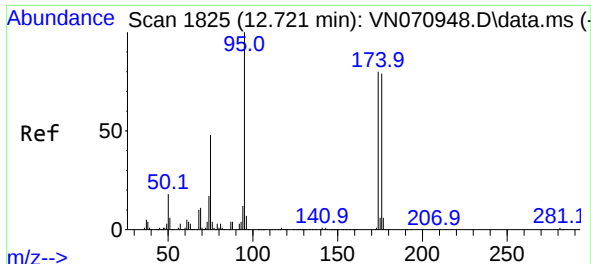
Tgt Ion: 43 Resp: 3669
Ion Ratio Lower Upper
43 100
58 33.6 30.4 45.6



#59
2-Hexanone
Concen: 0.830 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 43 Resp: 8073
Ion Ratio Lower Upper
43 100
58 53.1 26.9 80.7

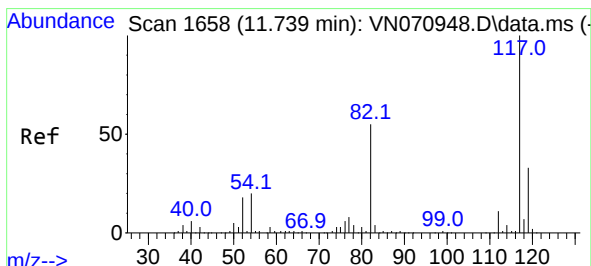
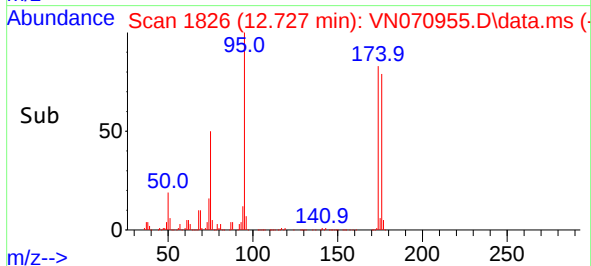
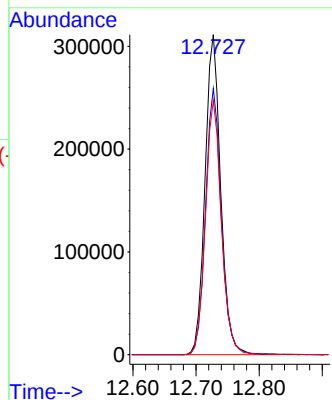
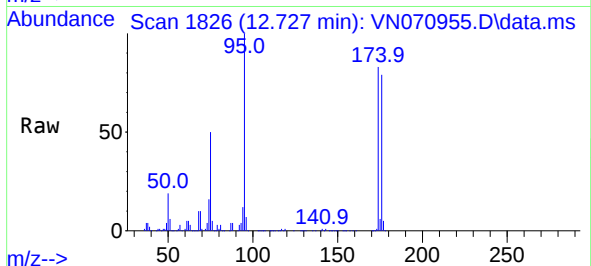




#62
4-Bromofluorobenzene
Concen: 44.617 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

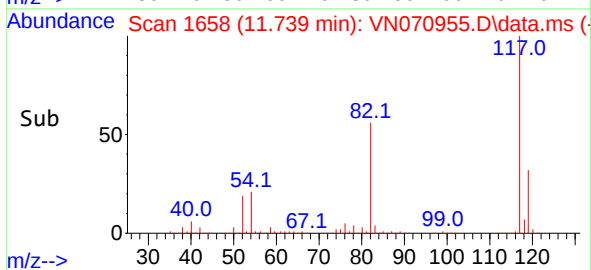
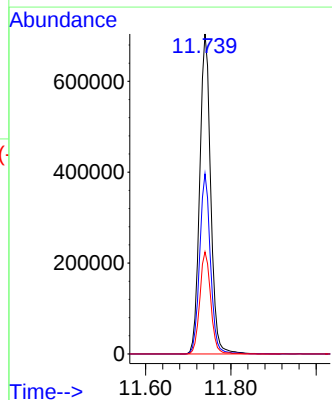
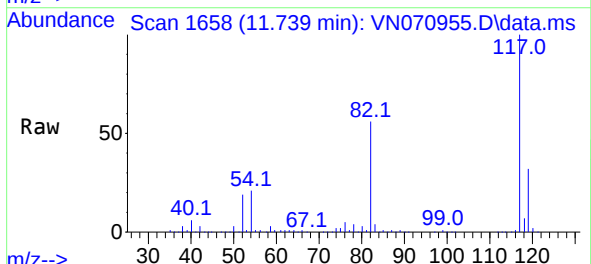
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

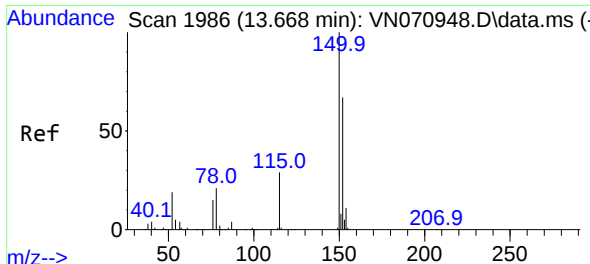
Tgt Ion: 95 Resp: 537259
Ion Ratio Lower Upper
95 100
174 84.0 0.0 187.2
176 80.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 117 Resp: 1256603
Ion Ratio Lower Upper
117 100
82 56.3 42.4 63.6
119 31.9 25.4 38.2

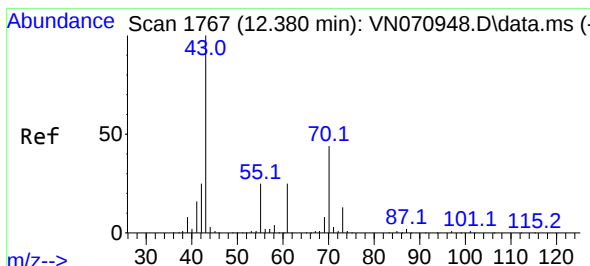
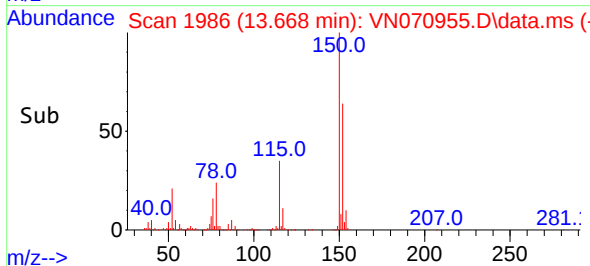
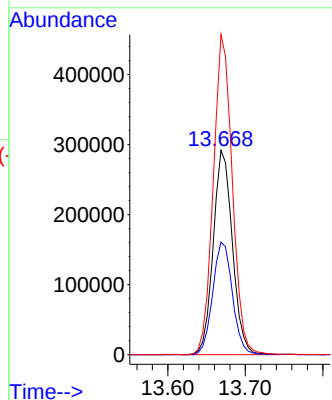
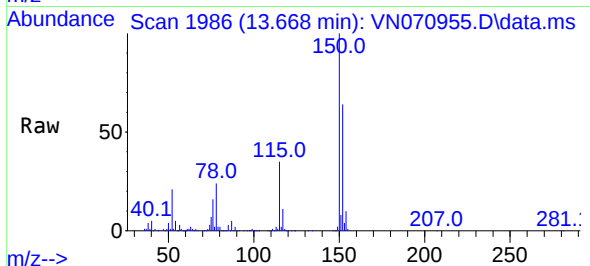




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

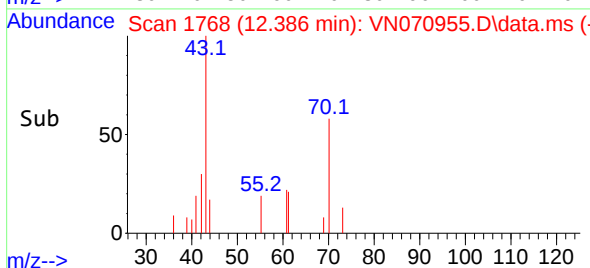
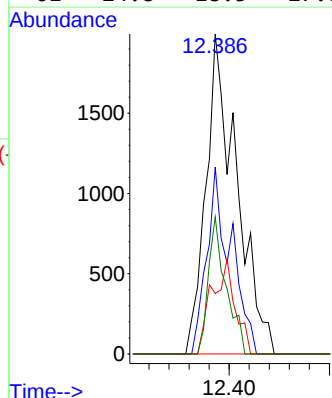
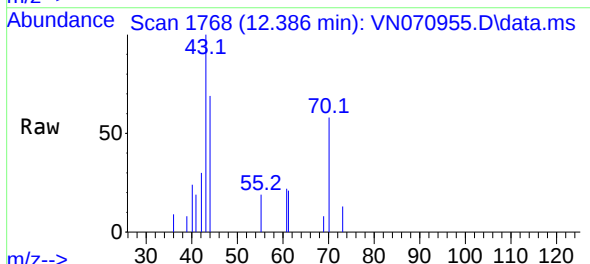
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

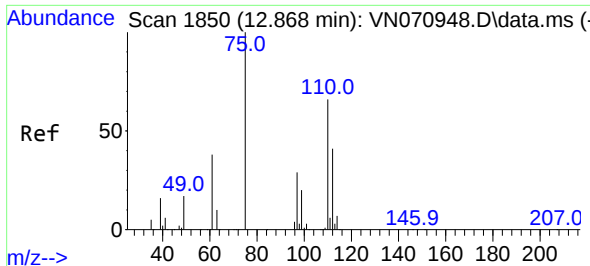
Tgt Ion:152 Resp: 502366
Ion Ratio Lower Upper
152 100
115 56.7 27.5 82.5
150 155.4 0.0 344.4



#74
N-ethyl acetate
Concen: 0.328 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 43 Resp: 4234
Ion Ratio Lower Upper
43 100
70 46.1 33.4 50.0
55 22.4 19.3 28.9
61 24.8 18.5 27.7

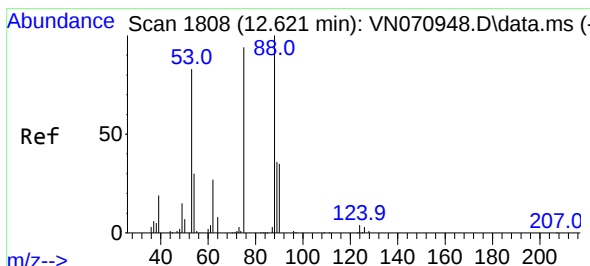
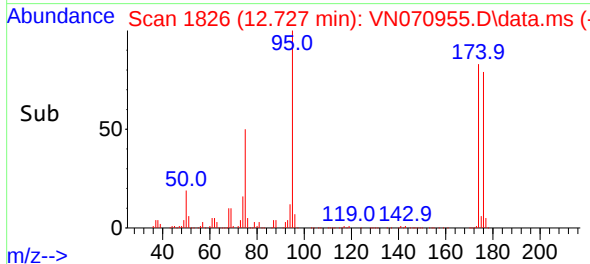
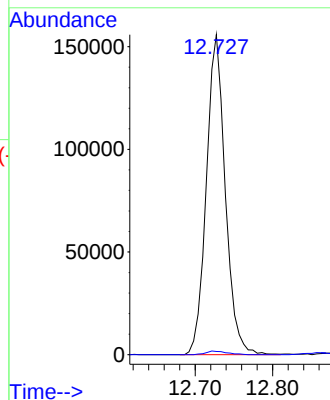
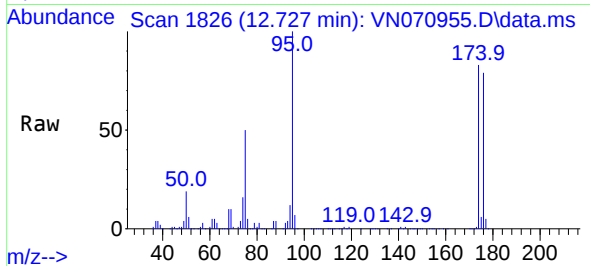




#76
1,2,3-Trichloropropane
Concen: 22.347 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

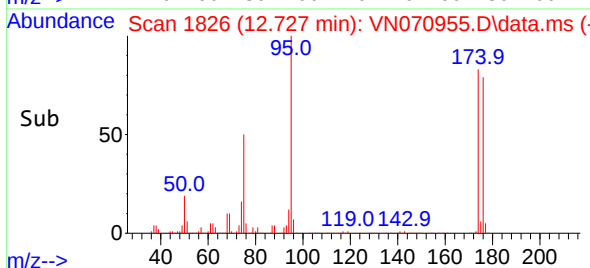
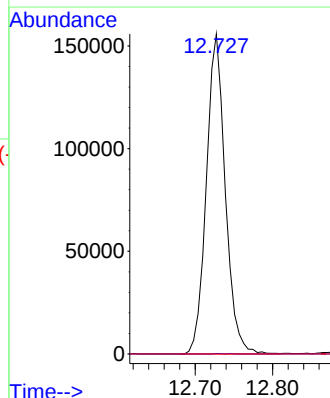
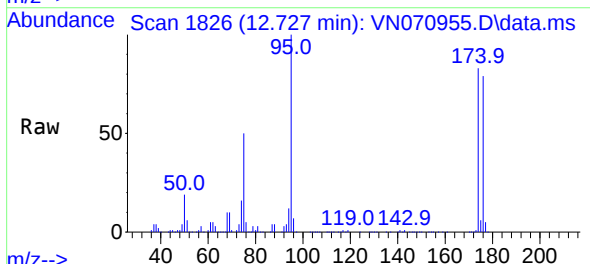
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

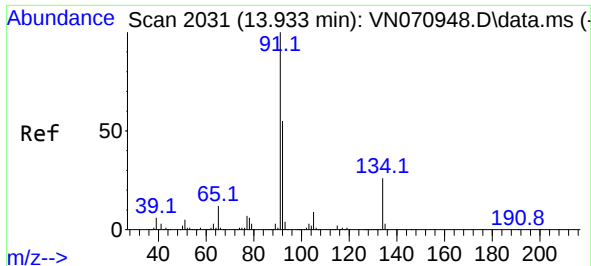
Tgt Ion: 75 Resp: 264323
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.414 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion: 75 Resp: 264323
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

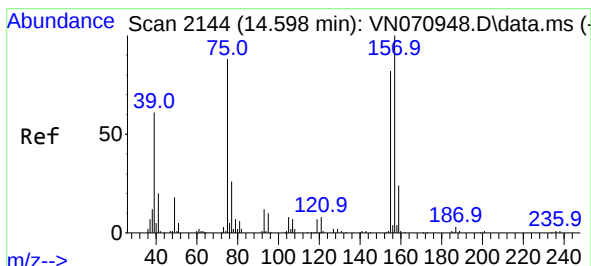
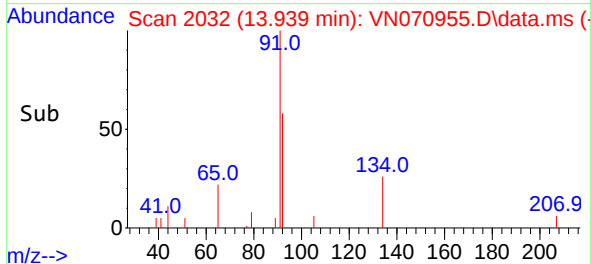
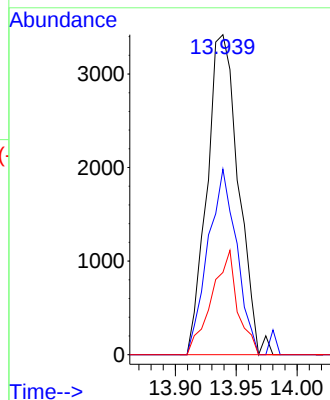
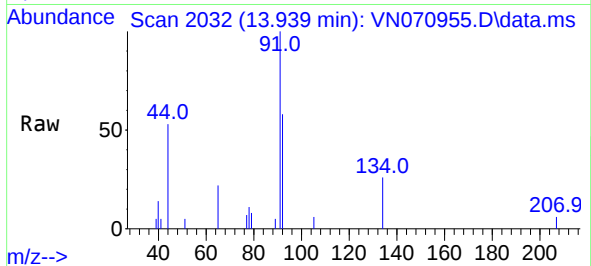




#89
n-Butylbenzene
Concen: 0.225 ug/l
RT: 13.939 min Scan# 2031
Delta R.T. 0.006 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

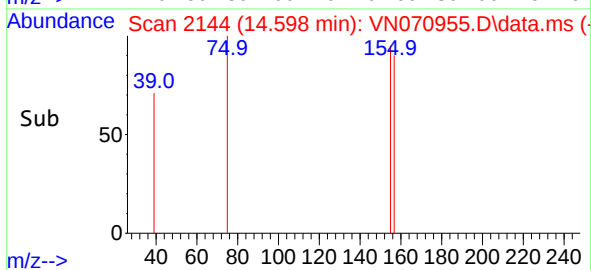
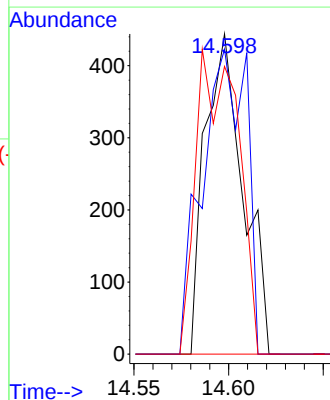
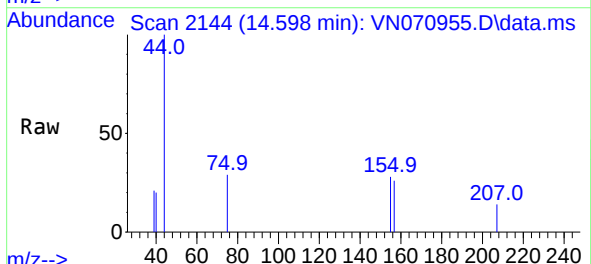
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

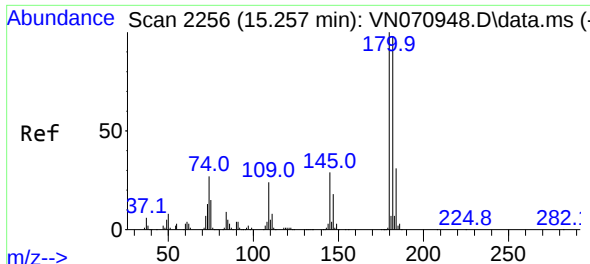
Tgt Ion:	91	Resp:	6162
Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.4	76.0
134	26.9	13.6	40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.299 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. -0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion:	75	Resp:	622
Ion	Ratio	Lower	Upper
75	100		
155	110.3	46.9	140.7
157	105.3	60.6	181.7

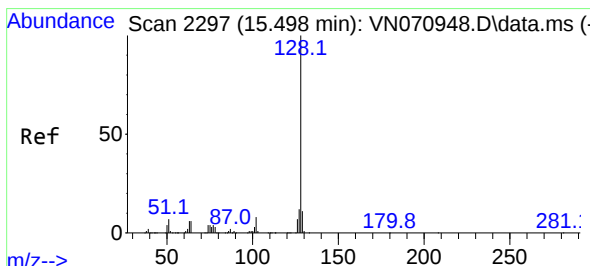
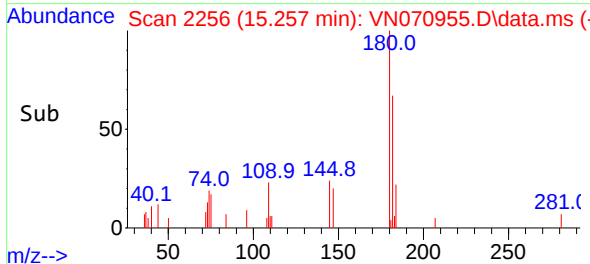
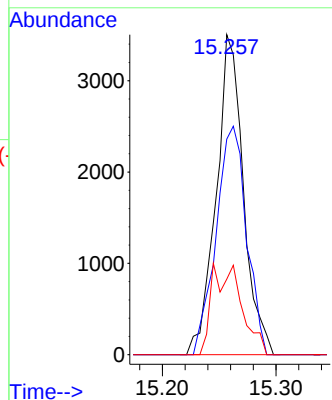
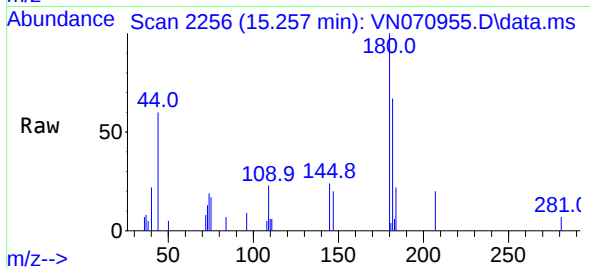




#93
1,2,4-Trichlorobenzene
Concen: 2.603 ug/l
RT: 15.257 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

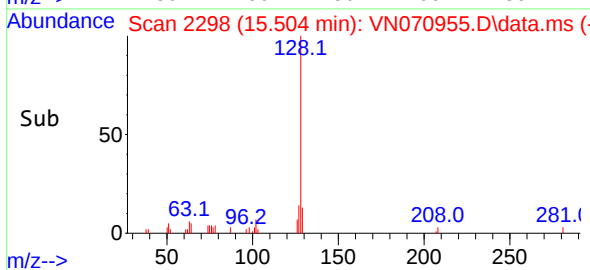
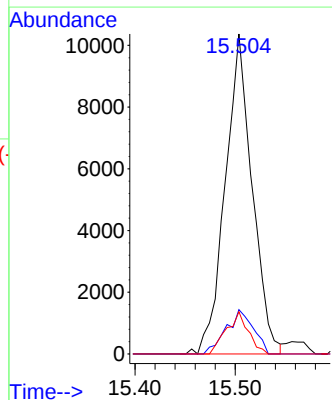
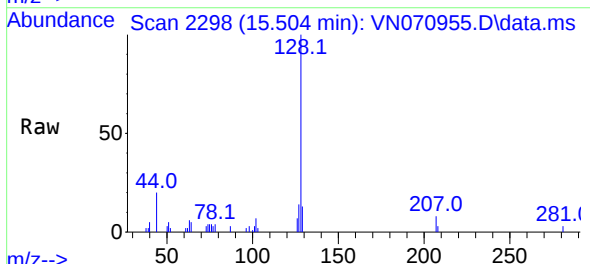
Instrument :
MSVOA_N
ClientSampleId :
VN0216MBL01

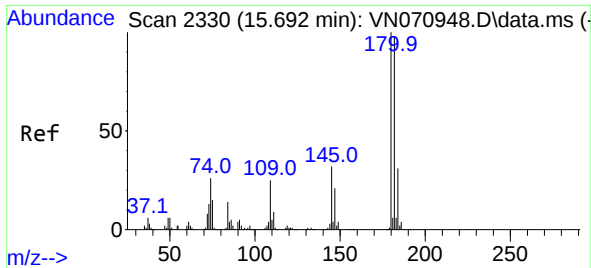
Tgt Ion:	180	Resp:	5823
Ion Ratio	Lower	Upper	
180	100		
182	79.9	48.3	144.9
145	30.9	14.5	43.5



#95
Naphthalene
Concen: 5.765 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN070955.D
Acq: 16 Feb 2022 13:47

Tgt Ion:	128	Resp:	19352
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.5	15.7
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.293 ug/l
 RT: 15.698 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN070955.D
 Acq: 16 Feb 2022 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216MBL01

Tgt Ion:	180	Resp:	6972
Ion	Ratio	Lower	Upper
180	100		
182	87.9	47.4	142.2
145	33.3	15.0	45.1

