

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031122\
 Data File : VN071242.D
 Acq On : 11 Mar 2022 10:53
 Operator : JC\MD
 Sample : VN0311WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 12 02:15:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	797693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1312684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1191808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	403383	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.434	65	509074	46.564	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.120%
35) Dibromofluoromethane	8.016	113	381633	46.071	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.140%
50) Toluene-d8	10.439	98	1580192	47.379	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.727	95	554712	49.117	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.240%

Target Compounds

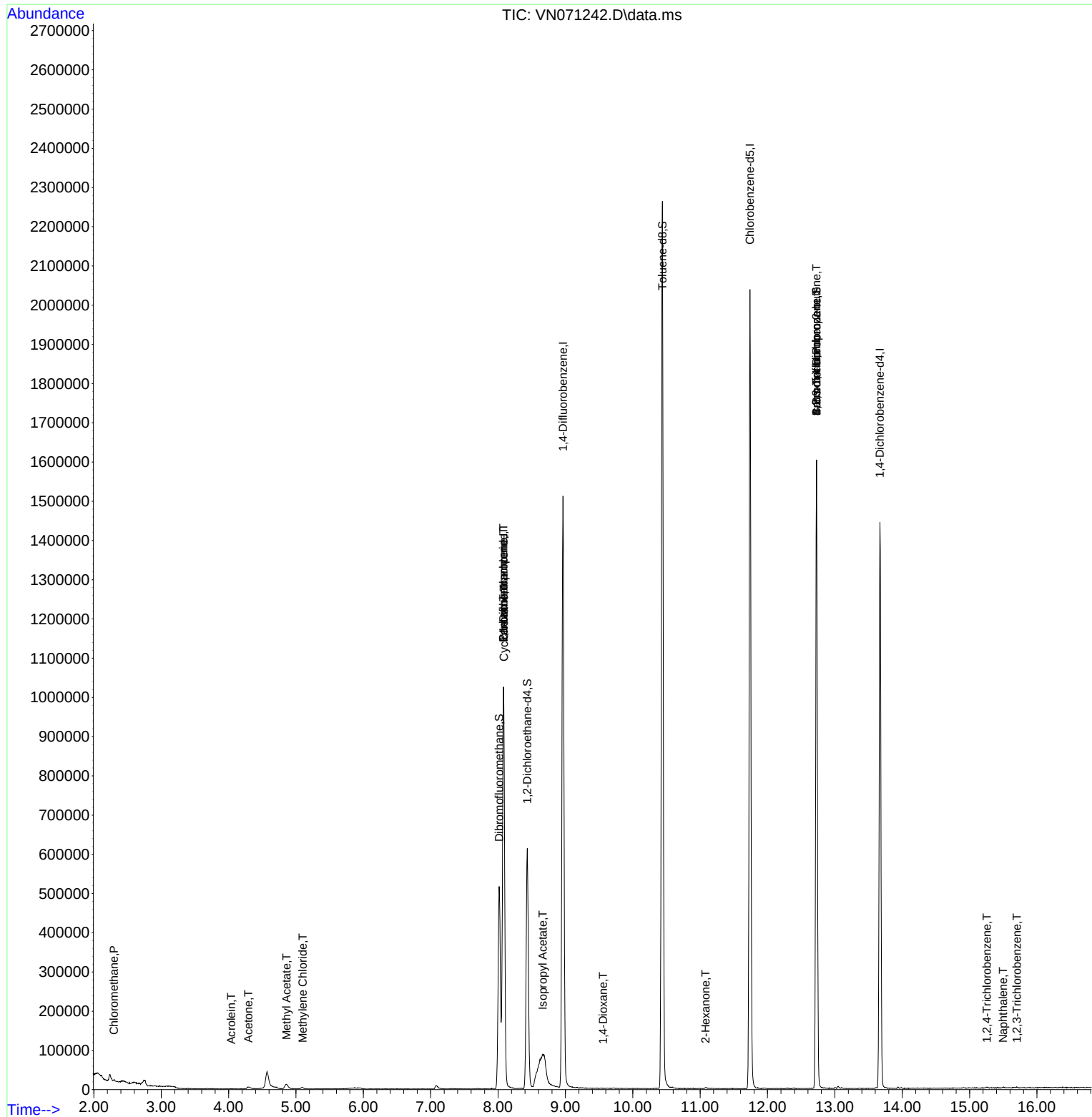
					Qvalue	
3) Chloromethane	2.299	50	3465	0.261	ug/l #	66
5) Bromomethane	2.863	94	1593	Below Cal	#	52
13) Acrolein	4.040	56	833	0.366	ug/l #	38
16) Acetone	4.293	43	7948	1.494	ug/l #	83
18) Methyl Acetate	4.857	43	28669	2.458	ug/l	93
20) Methylene Chloride	5.098	84	2808	0.668	ug/l #	72
31) Cyclohexane	8.086	56	17220	0.986	ug/l #	28
36) 1,1-Dichloropropene	8.081	75	62071	4.677	ug/l #	48
38) Carbon Tetrachloride	8.081	117	77638	6.048	ug/l #	16
43) Isopropyl Acetate	8.663	43	160374	5.871	ug/l #	57
49) 1,4-Dioxane	9.557	88	53	0.241	ug/l #	27
59) 2-Hexanone	11.080	43	3976	0.344	ug/l	68
71) Bromoform	12.727	173	3778	0.530	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.821	83	213	Below Cal	#	85
76) 1,2,3-Trichloropropane	12.727	75	282260	27.607	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	282260	75.641	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	1316	3.176	ug/l	78
95) Naphthalene	15.498	128	3130	5.220	ug/l #	79
96) 1,2,3-Trichlorobenzene	15.704	180	1071	2.892	ug/l	95

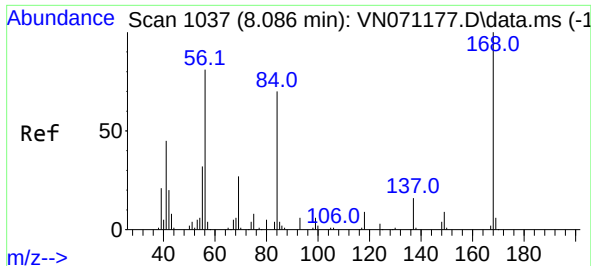
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN071242.D
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
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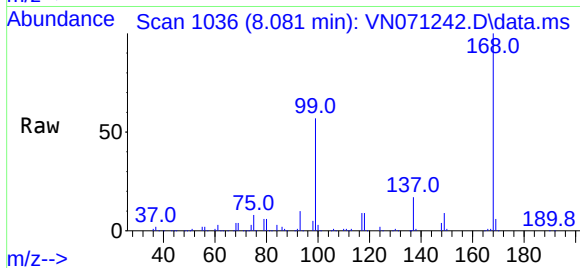
Quant Time: Mar 12 02:15:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 06:52:46 2022
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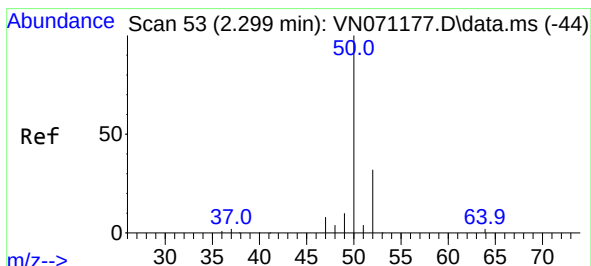
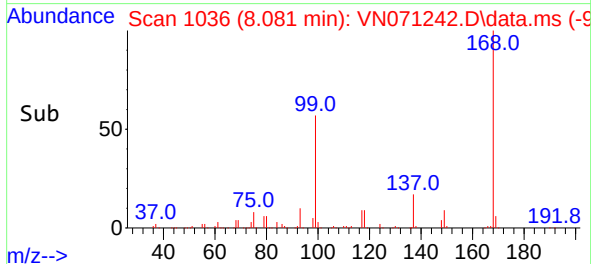
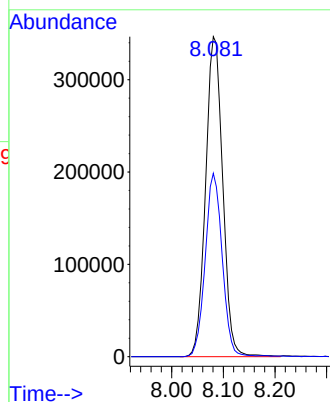


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.005 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Instrument :
MSVOA_N
ClientSampleId :

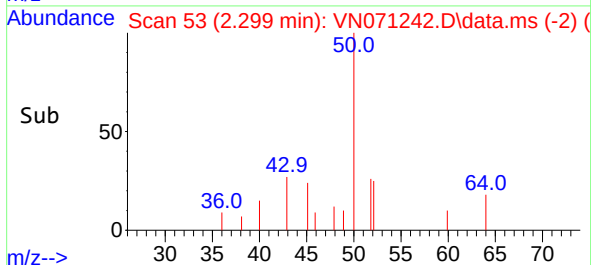
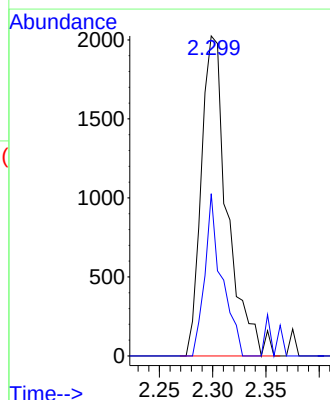
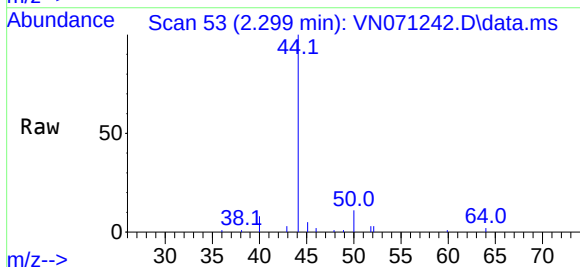


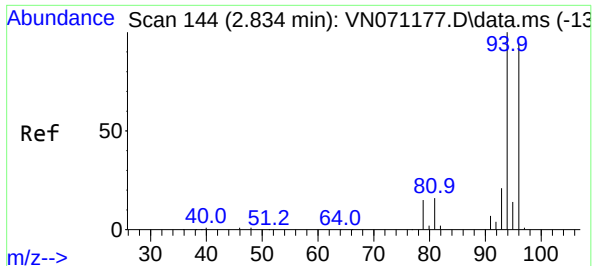
Tgt Ion:168 Resp: 797693
Ion Ratio Lower Upper
168 100
99 57.3 41.3 61.9



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Tgt Ion: 50 Resp: 3465
Ion Ratio Lower Upper
50 100
52 50.7 25.4 38.0#

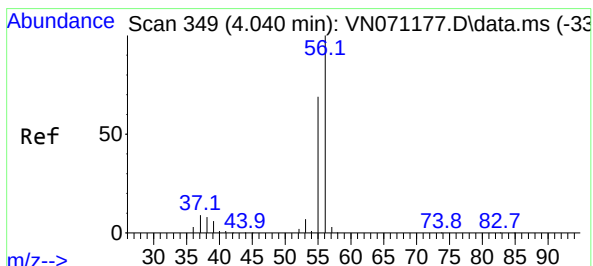
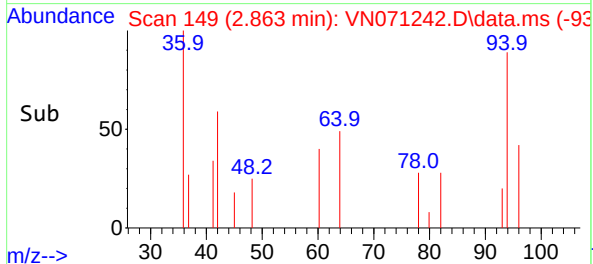
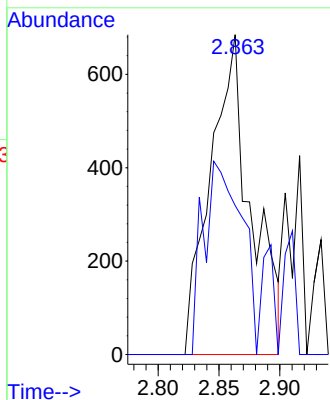
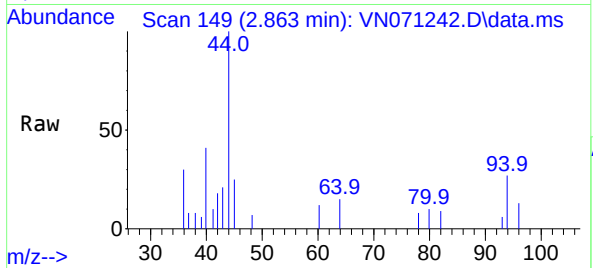




#5
Bromomethane
Concen: Below Cal
RT: 2.863 min Scan# 144
Delta R.T. 0.029 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

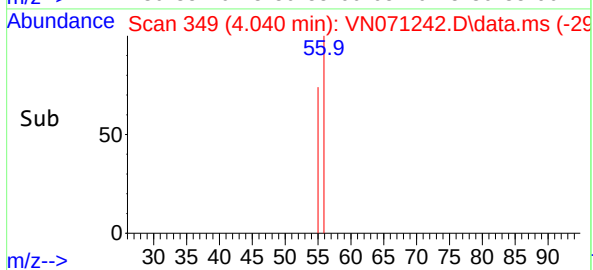
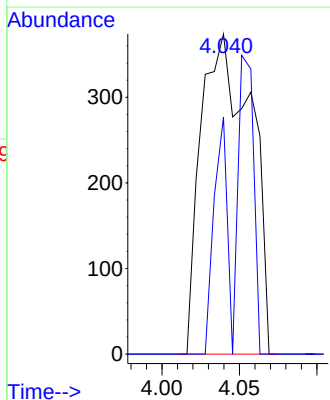
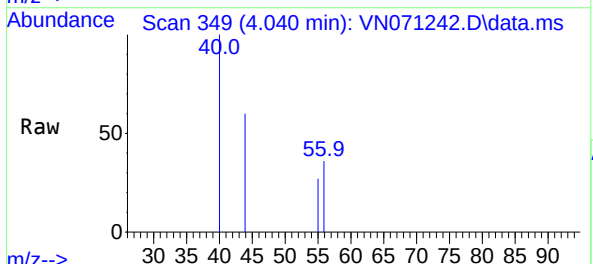
Instrument :
MSVOA_N
ClientSampleId :

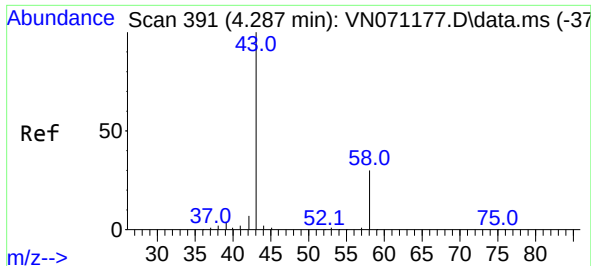
Tgt Ion: 94 Resp: 1593
Ion Ratio Lower Upper
94 100
96 46.6 73.8 110.8#



#13
Acrolein
Concen: 0.366 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.000 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Tgt Ion: 56 Resp: 833
Ion Ratio Lower Upper
56 100
55 19.6 56.6 85.0#

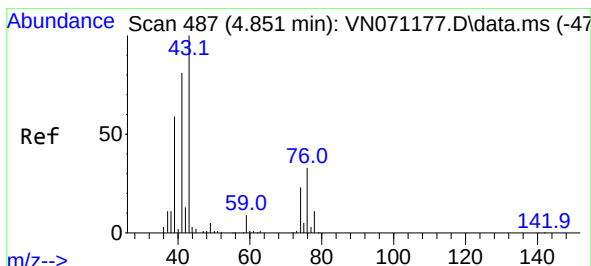
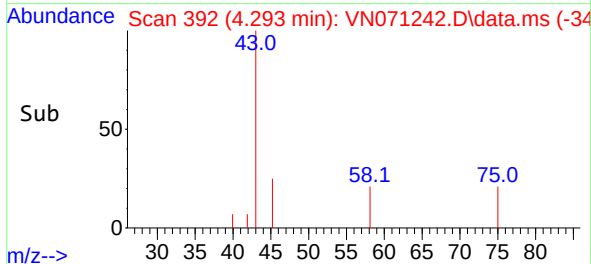
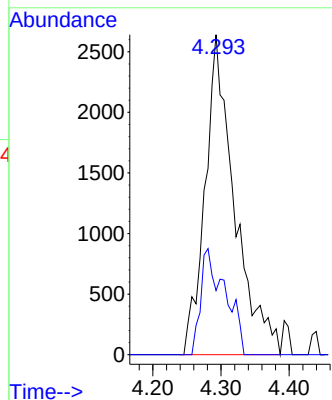
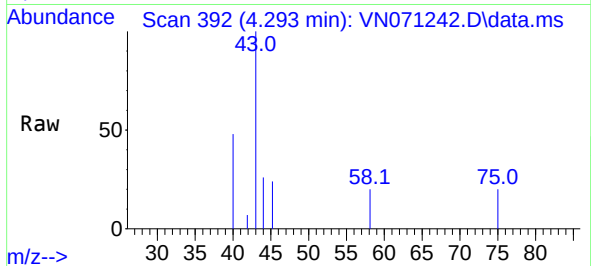




#16
Acetone
Concen: 1.494 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

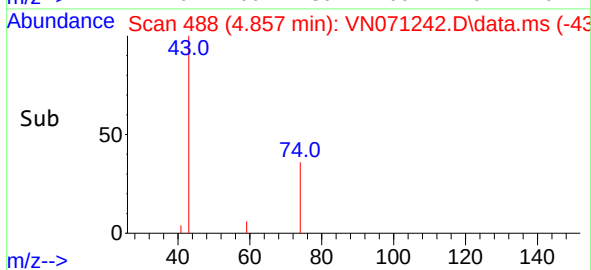
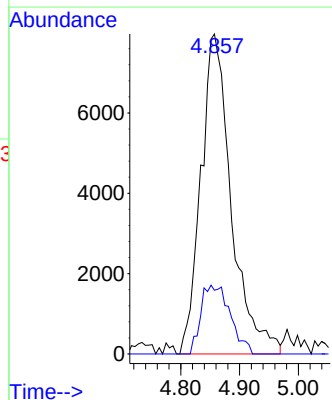
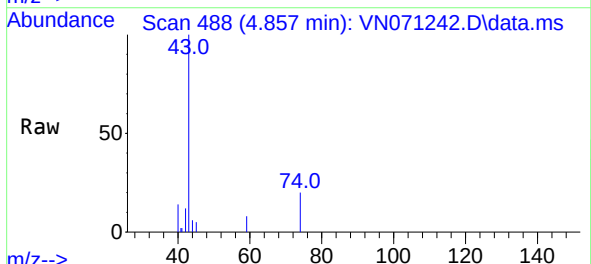
Instrument :
MSVOA_N
ClientSampleId :

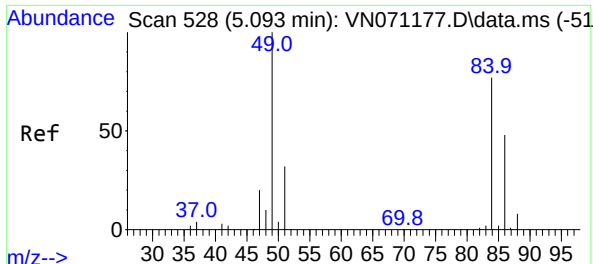
Tgt Ion: 43 Resp: 7948
Ion Ratio Lower Upper
43 100
58 20.1 23.1 34.7#



#18
Methyl Acetate
Concen: 2.458 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

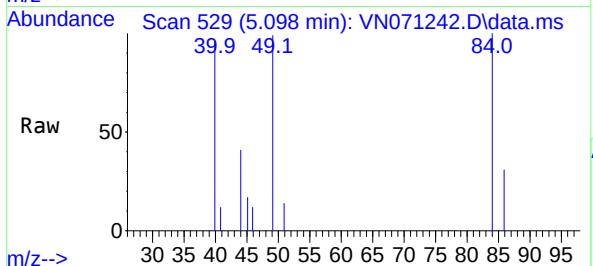
Tgt Ion: 43 Resp: 28669
Ion Ratio Lower Upper
43 100
74 20.7 19.4 29.2





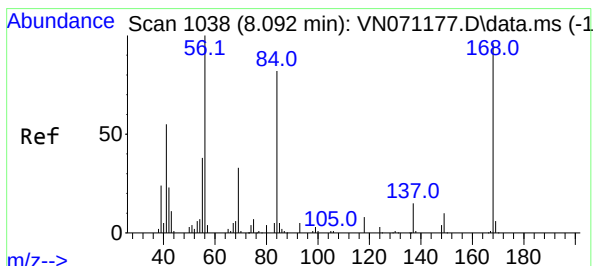
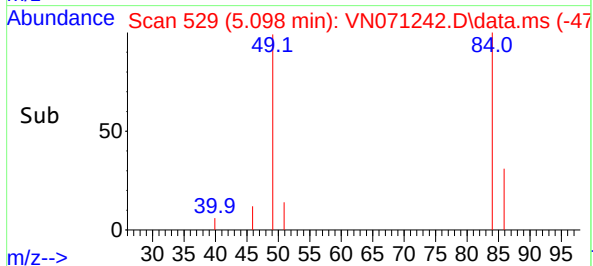
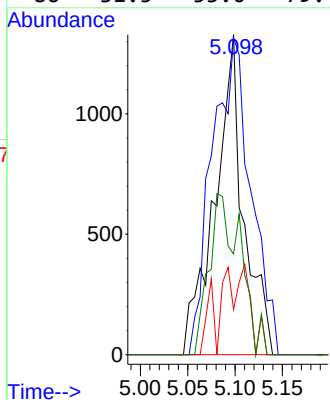
#20
Methylene Chloride
Concen: 0.668 ug/l
RT: 5.098 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2808

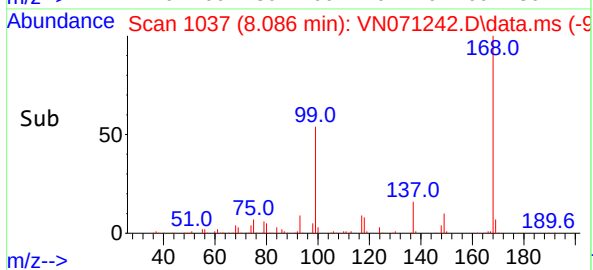
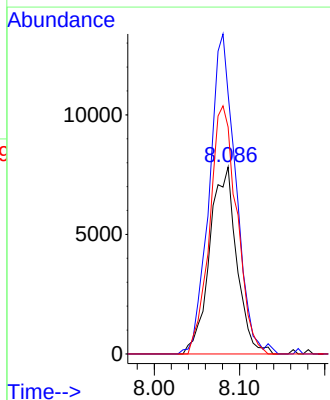
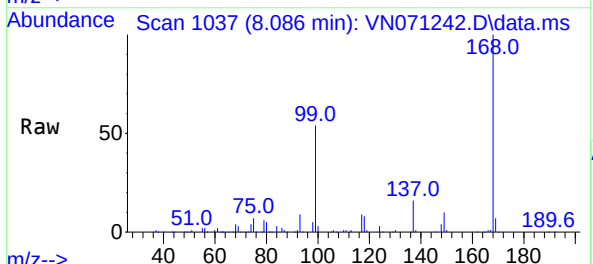
Ion	Ratio	Lower	Upper
84	100		
49	99.0	93.5	140.3
51	14.1	29.4	44.2#
86	31.5	53.0	79.4#

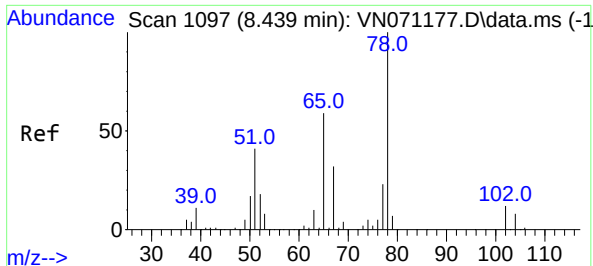


#31
Cyclohexane
Concen: 0.986 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Tgt Ion: 56 Resp: 17220

Ion	Ratio	Lower	Upper
56	100		
69	138.8	27.1	40.7#
84	121.2	73.4	110.0#

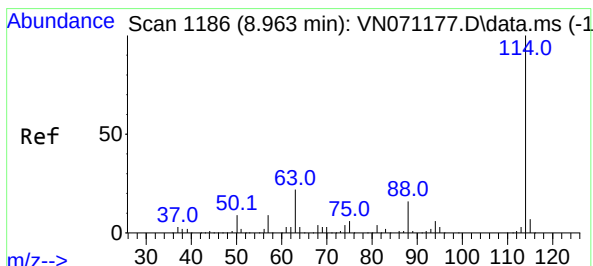
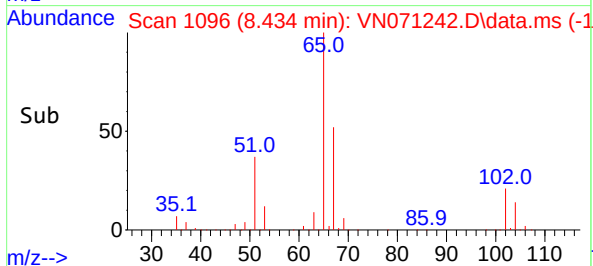
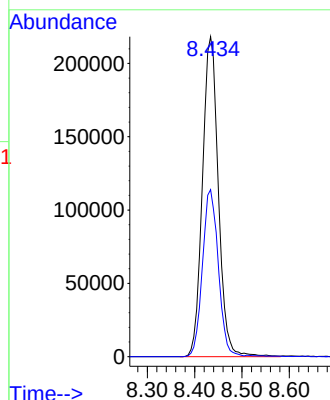
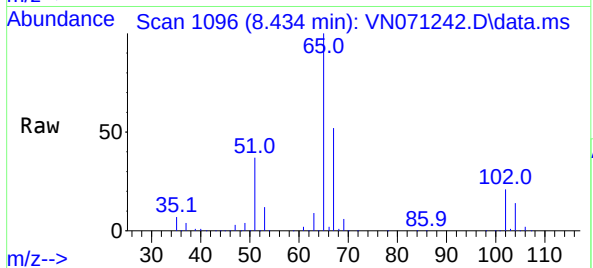




#33
1,2-Dichloroethane-d4
Concen: 46.564 ug/l
RT: 8.434 min Scan# 1097
Delta R.T. -0.006 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

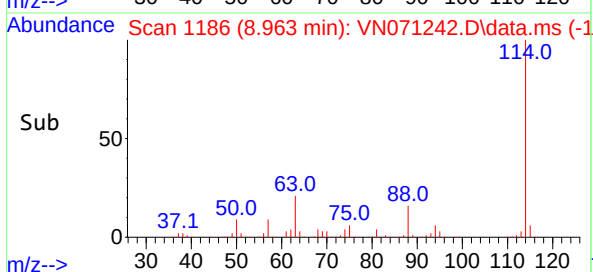
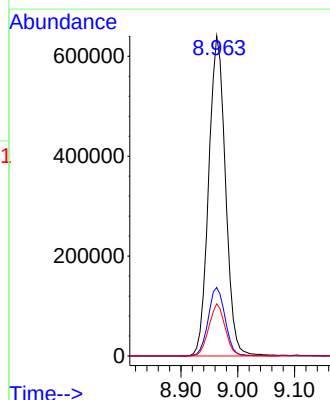
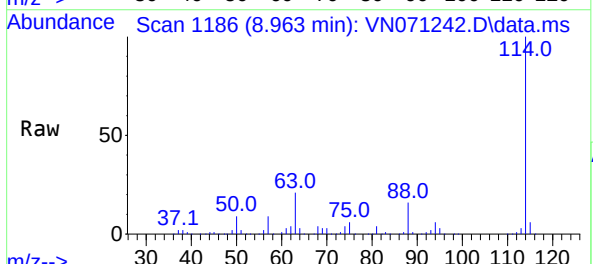
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MSVOA_N
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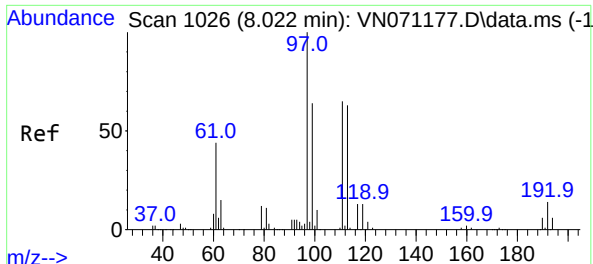
Tgt Ion: 65 Resp: 509074
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

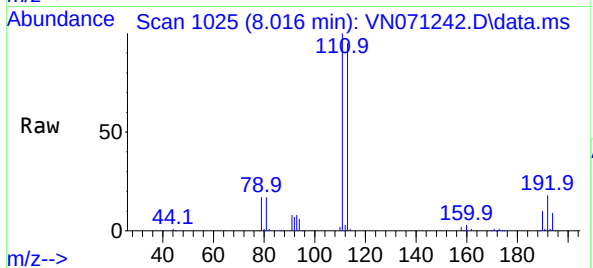
Tgt Ion:114 Resp: 1312684
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.8
88 16.3 0.0 27.4



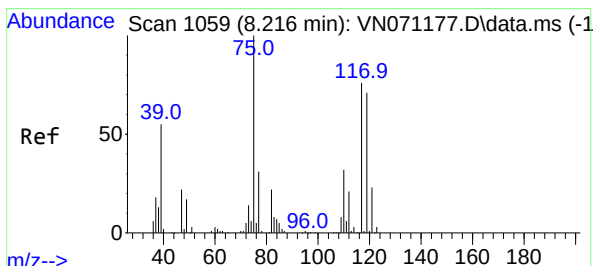
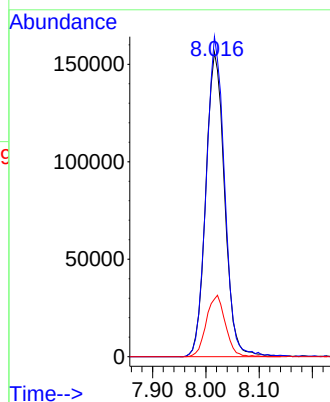
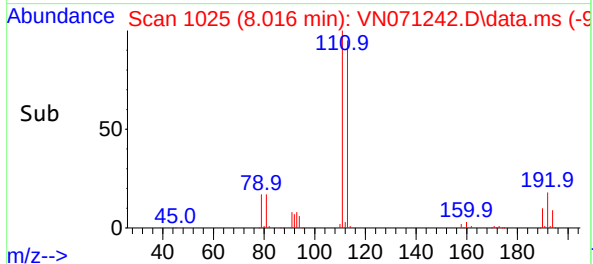


#35
Dibromofluoromethane
Concen: 46.071 ug/l
RT: 8.016 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

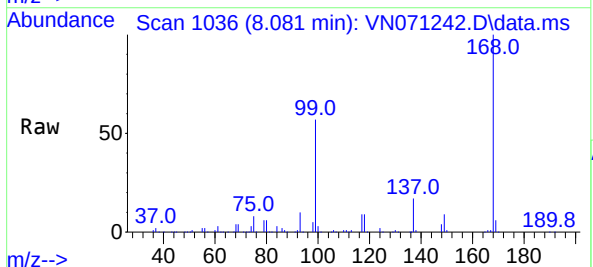
Instrument :
MSVOA_N
ClientSampleId :



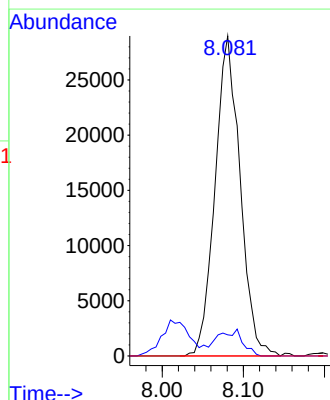
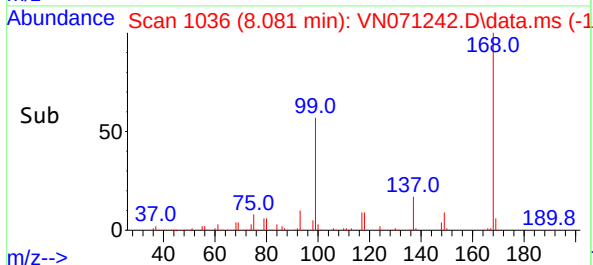
Tgt Ion:113 Resp: 381633
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.5 16.9 25.3

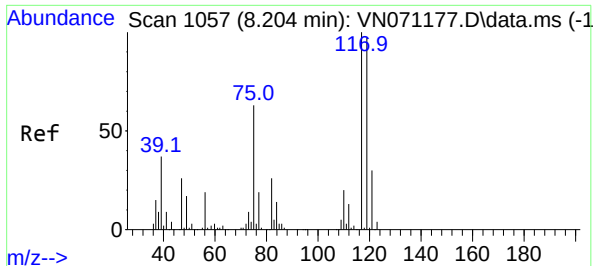


#36
1,1-Dichloropropene
Concen: 4.677 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53



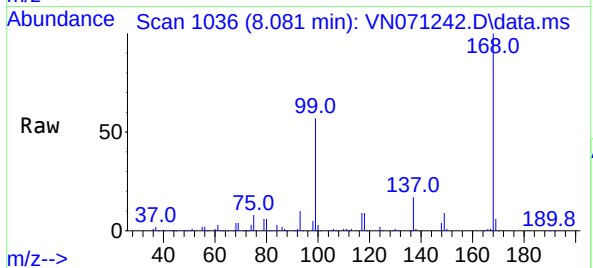
Tgt Ion: 75 Resp: 62071
Ion Ratio Lower Upper
75 100
110 8.1 18.4 55.2#
77 0.0 24.4 36.6#



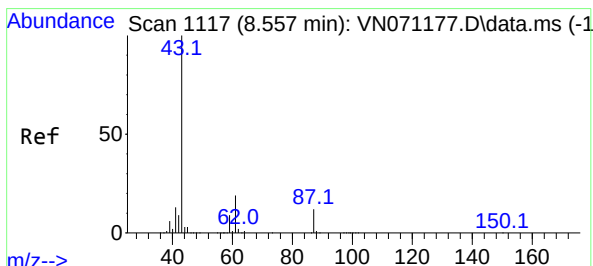
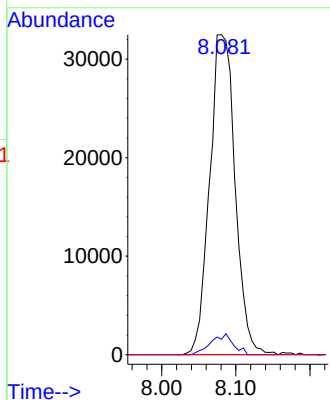
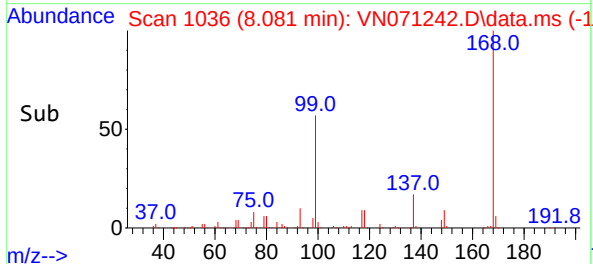


#38
Carbon Tetrachloride
Concen: 6.048 ug/l
RT: 8.081 min Scan# 1135
Delta R.T. -0.123 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

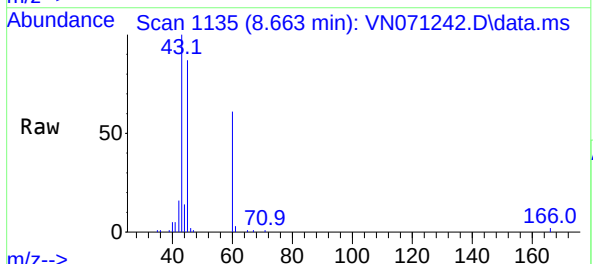
Instrument :
MSVOA_N
ClientSampleId :



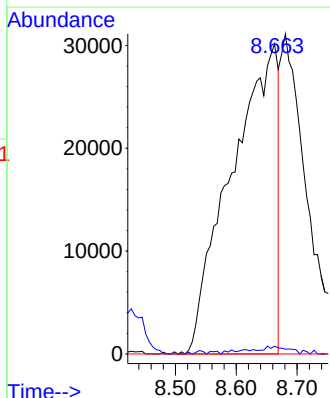
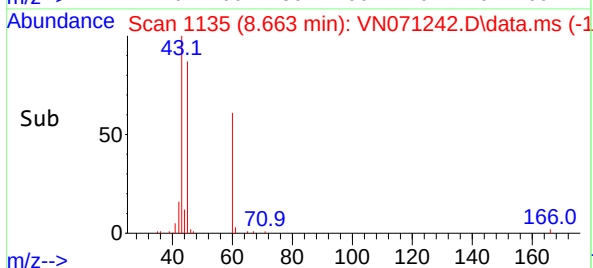
Tgt Ion:117 Resp: 77638
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

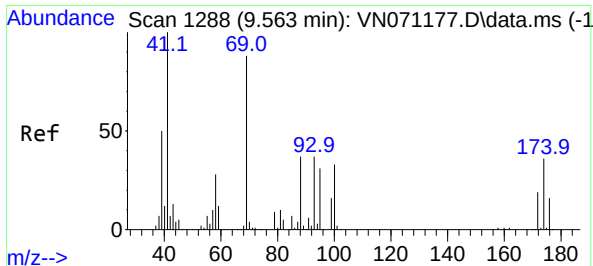


#43
Isopropyl Acetate
Concen: 5.871 ug/l
RT: 8.663 min Scan# 1135
Delta R.T. 0.106 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53



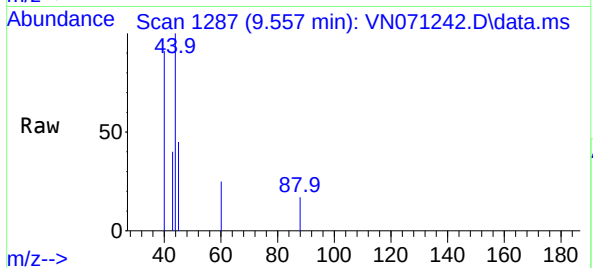
Tgt Ion: 43 Resp: 160374
Ion Ratio Lower Upper
43 100
61 1.3 20.4 30.6#
87 0.0 11.2 16.8#



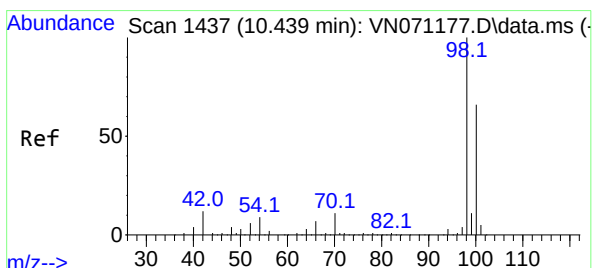
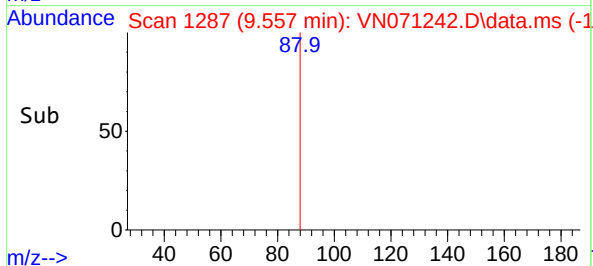


#49
1,4-Dioxane
Concen: 0.241 ug/l
RT: 9.557 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Instrument :
MSVOA_N
ClientSampleId :

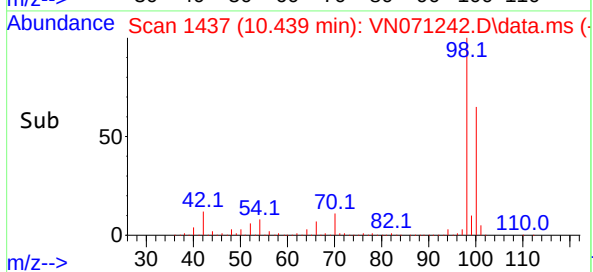
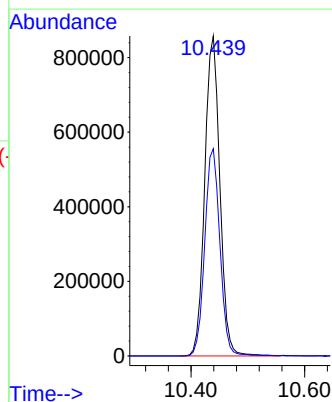
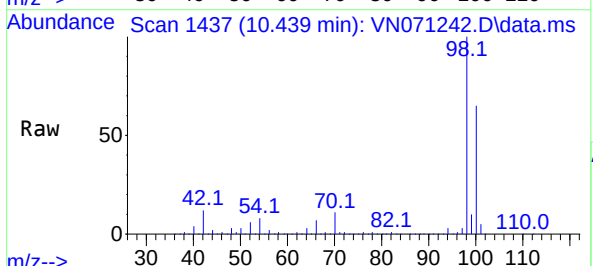


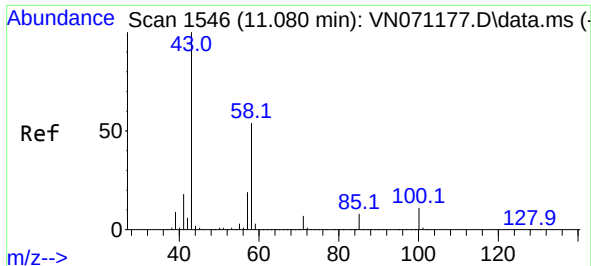
Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 47.379 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Tgt Ion: 98 Resp: 1580192
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6





#59

2-Hexanone

Concen: 0.344 ug/l

RT: 11.080 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN071242.D

Acq: 11 Mar 2022 10:53

Instrument :

MSVOA_N

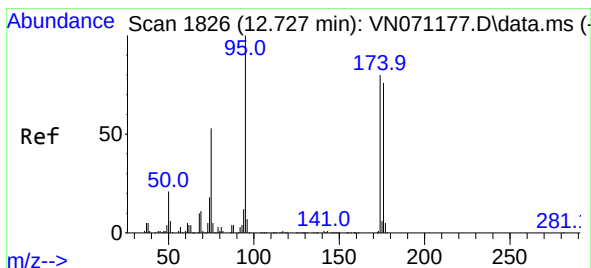
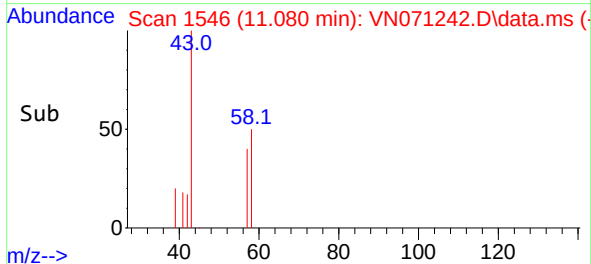
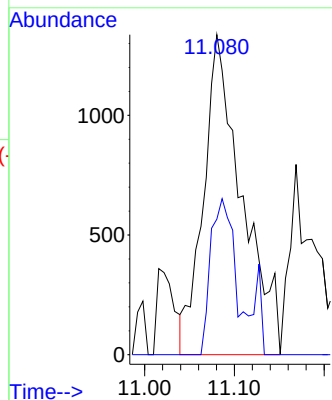
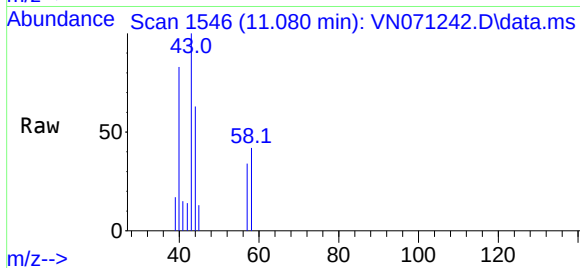
ClientSampleId :

Tgt Ion: 43 Resp: 3976

Ion Ratio Lower Upper

43 100

58 31.2 26.9 80.7



#62

4-Bromofluorobenzene

Concen: 49.117 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071242.D

Acq: 11 Mar 2022 10:53

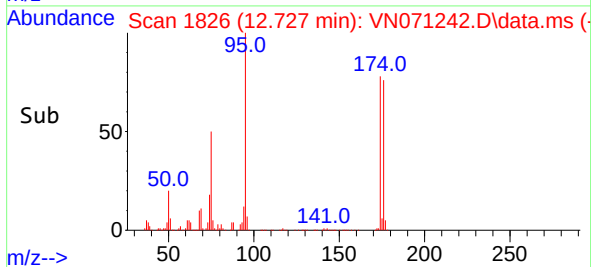
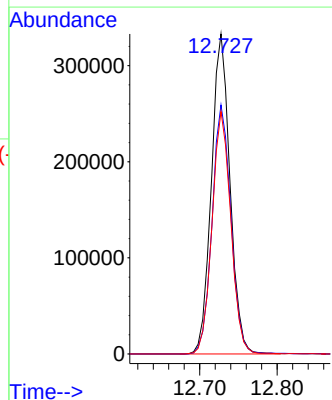
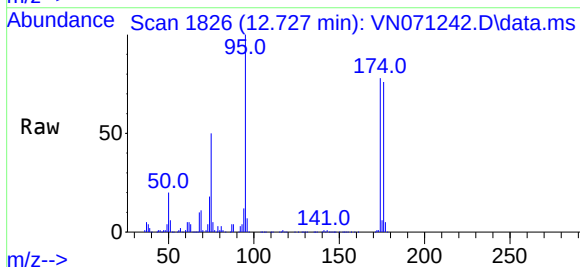
Tgt Ion: 95 Resp: 554712

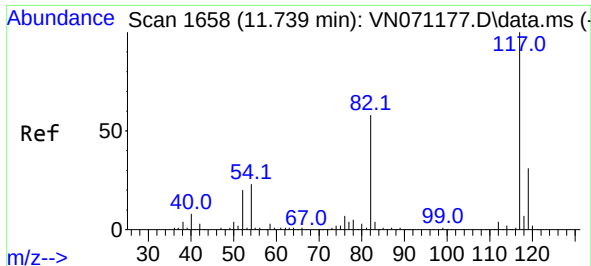
Ion Ratio Lower Upper

95 100

174 79.0 0.0 187.2

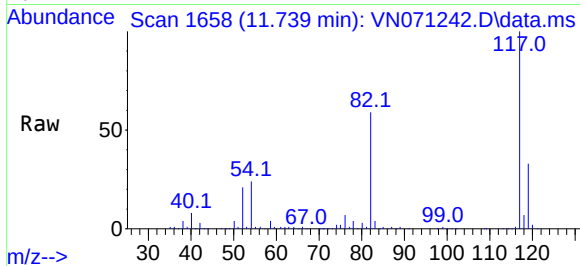
176 76.4 0.0 181.4



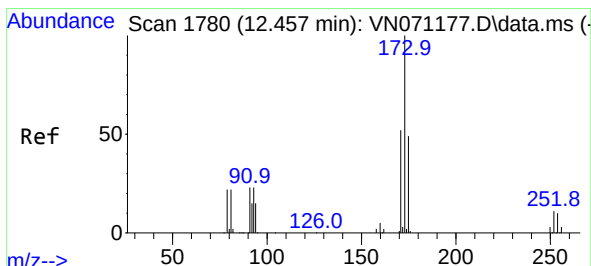
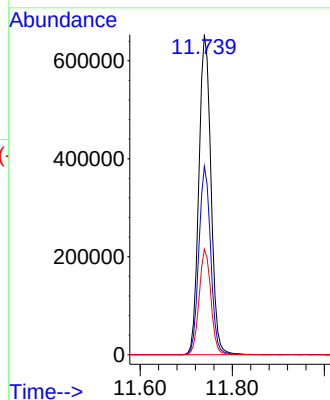
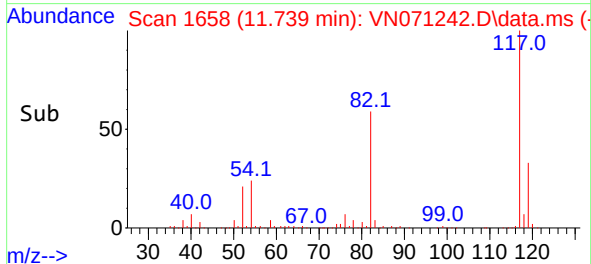


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1191808
Delta R.T. 0.000 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Instrument :
MSVOA_N
ClientSampleId :

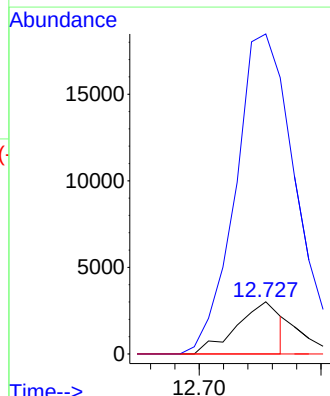
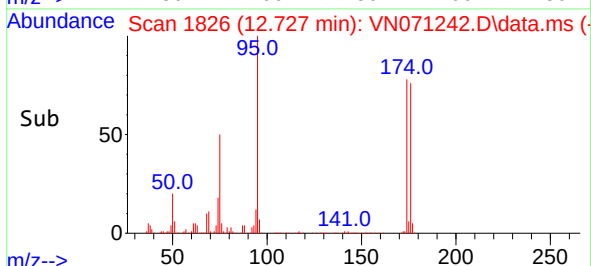
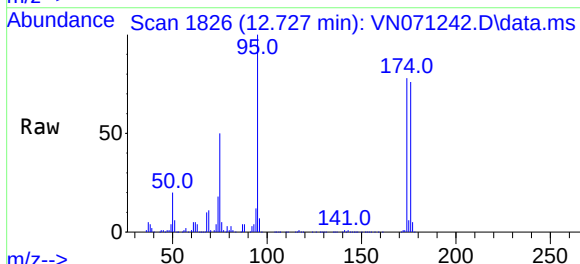


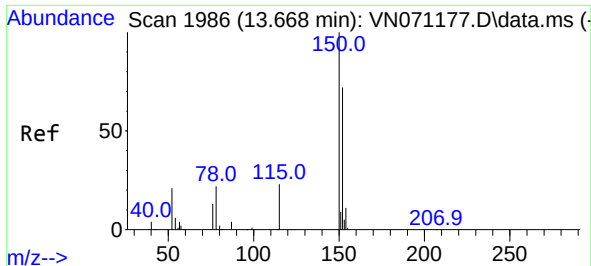
Tgt Ion:117 Resp: 1191808
Ion Ratio Lower Upper
117 100
82 58.9 42.4 63.6
119 33.0 25.4 38.2



#71
Bromoform
Concen: 0.530 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.270 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Tgt Ion:173 Resp: 3778
Ion Ratio Lower Upper
173 100
175 652.5 24.2 72.6#
254 0.0 0.0 0.0

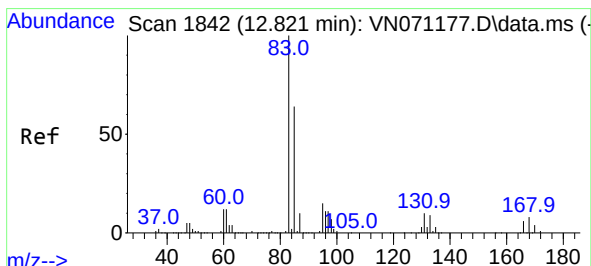
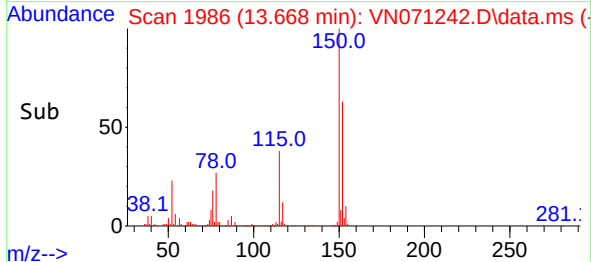
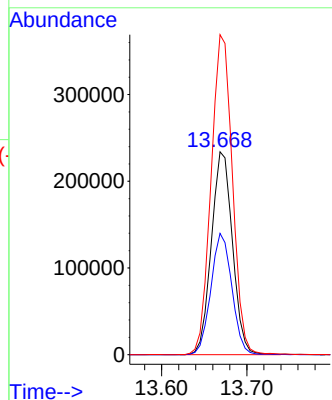
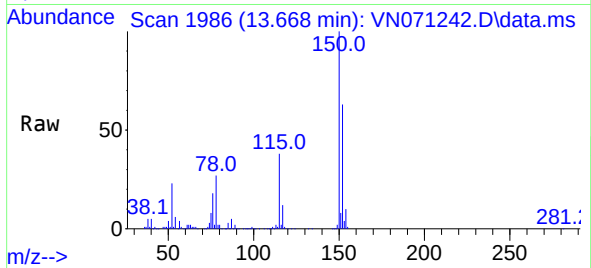




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. 0.000 min
 Lab File: VN071242.D
 Acq: 11 Mar 2022 10:53

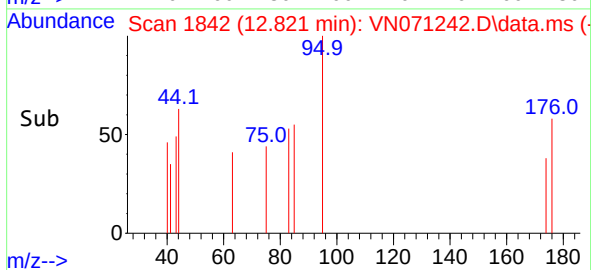
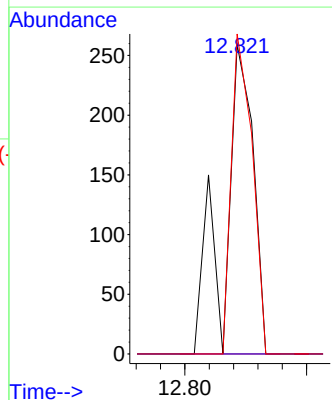
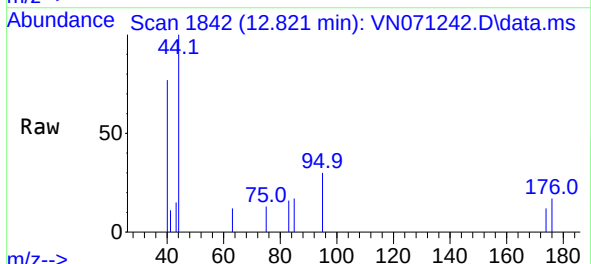
Instrument :
 MSVOA_N
 ClientSampleId :

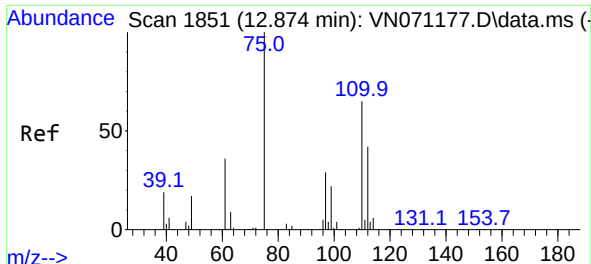
Tgt Ion:152 Resp: 403383
 Ion Ratio Lower Upper
 152 100
 115 59.4 27.5 82.5
 150 159.5 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.821 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: VN071242.D
 Acq: 11 Mar 2022 10:53

Tgt Ion: 83 Resp: 213
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.5 16.5#
 85 75.1 32.4 97.2

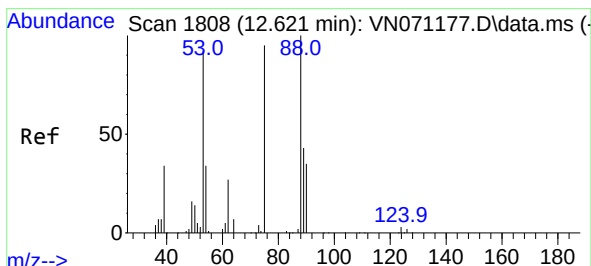
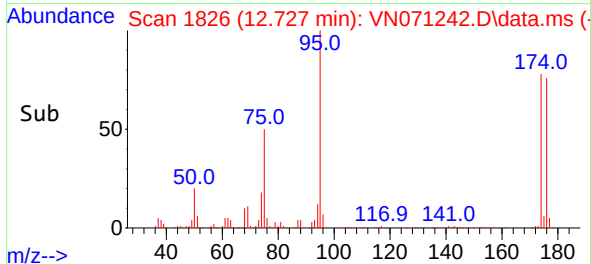
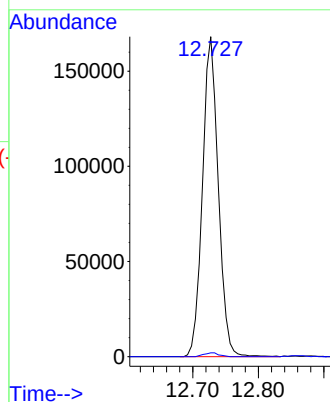
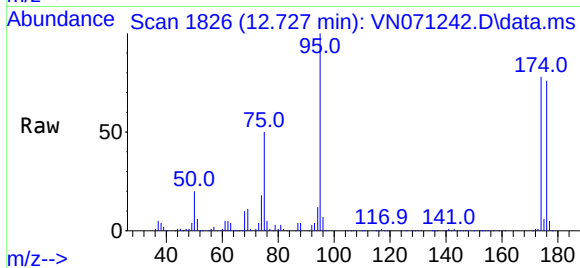




#76
1,2,3-Trichloropropane
Concen: 27.607 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

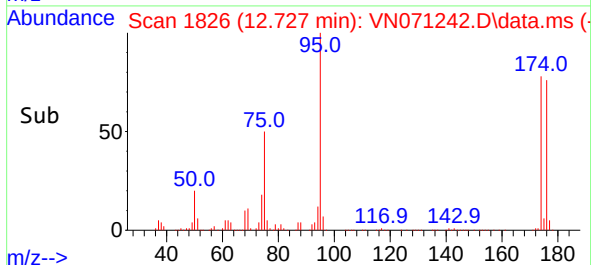
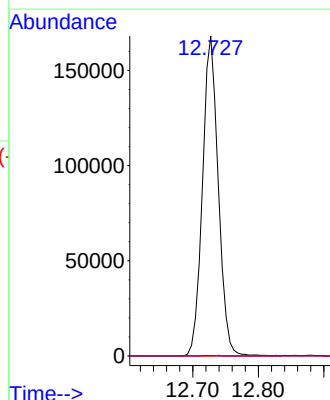
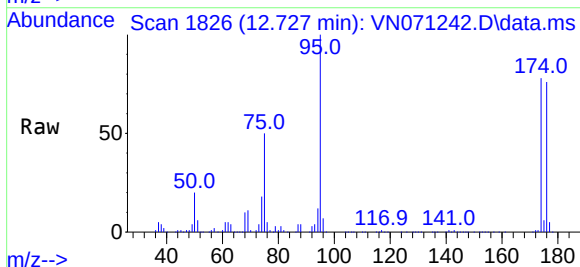
Instrument :
MSVOA_N
ClientSampleId :

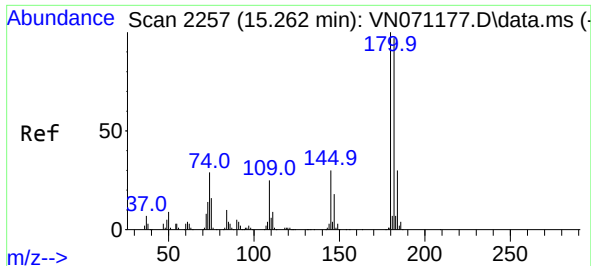
Tgt Ion: 75 Resp: 282260
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.641 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071242.D
Acq: 11 Mar 2022 10:53

Tgt Ion: 75 Resp: 282260
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.1 38.2 57.4#





#93

1,2,4-Trichlorobenzene

Concen: 3.176 ug/l

RT: 15.257 min Scan# 21

Delta R.T. -0.005 min

Lab File: VN071242.D

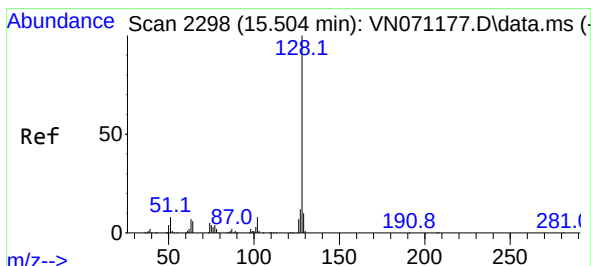
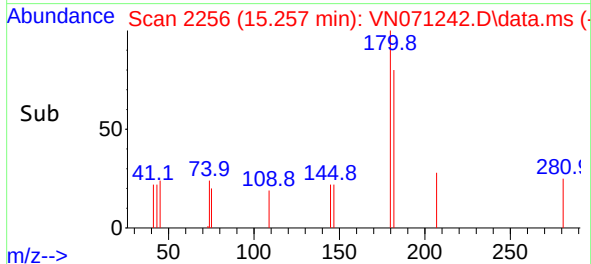
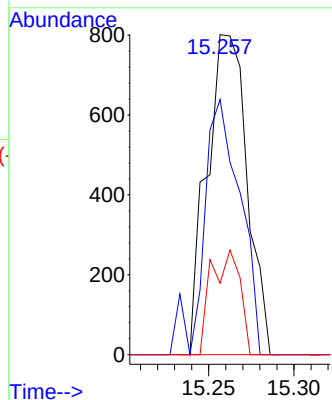
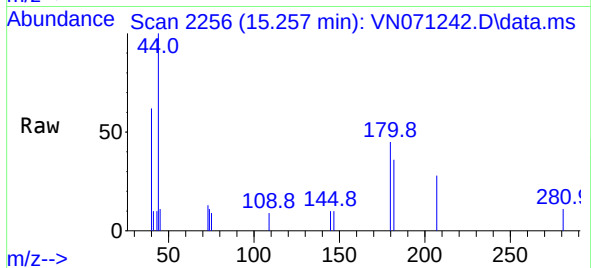
Acq: 11 Mar 2022 10:53

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180	Resp:	1316
Ion Ratio	Lower	Upper
180	100	
182	72.3	48.3 144.9
145	23.4	14.5 43.5



#95

Naphthalene

Concen: 5.220 ug/l

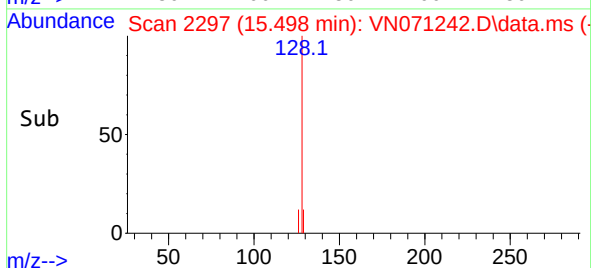
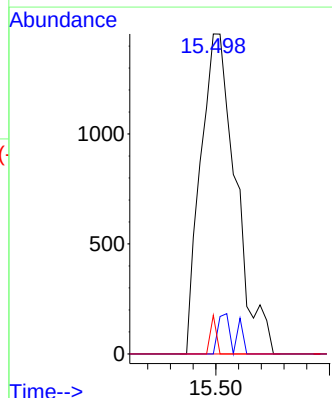
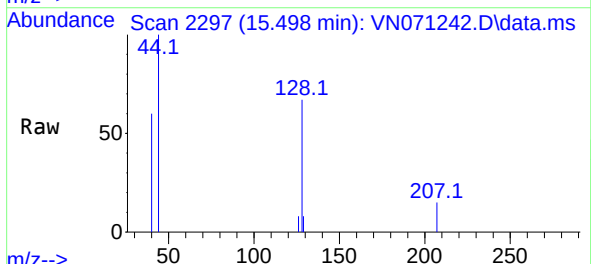
RT: 15.498 min Scan# 2297

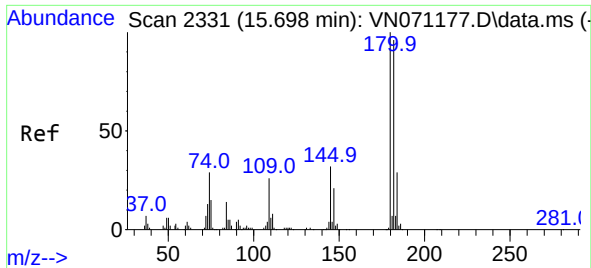
Delta R.T. -0.006 min

Lab File: VN071242.D

Acq: 11 Mar 2022 10:53

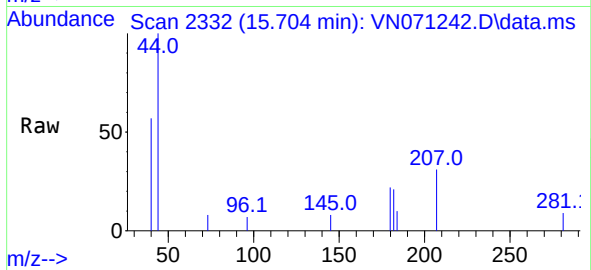
Tgt Ion:128	Resp:	3130
Ion Ratio	Lower	Upper
128	100	
127	5.8	10.5 15.7#
129	2.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.892 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN071242.D
 Acq: 11 Mar 2022 10:53

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	1071
Ion	Ratio	Lower	Upper
180	100		
182	88.3	47.4	142.2
145	30.4	15.0	45.1

