

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030222\
 Data File : VN071135.D
 Acq On : 02 Mar 2022 11:44
 Operator : JC\MD
 Sample : VN0302MBL01
 Misc : 5.00g/10.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 03 03:36:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

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

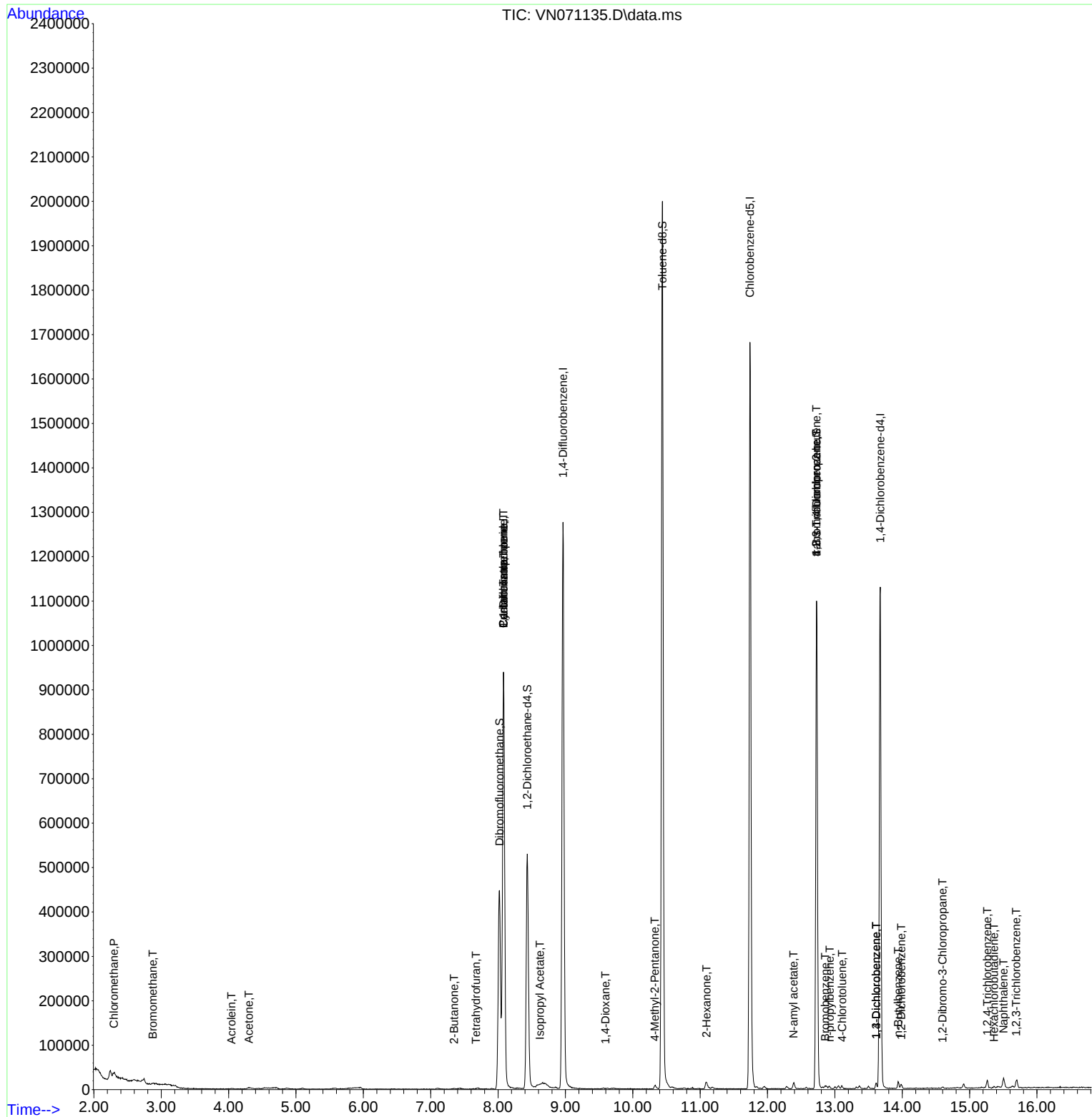
Internal Standards						
1) Pentafluorobenzene	8.081	168	726278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1142145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1003226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	321347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	437644	52.751	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.500%			
35) Dibromofluoromethane	8.022	113	343882	50.619	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.240%			
50) Toluene-d8	10.439	98	1389693	50.938	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.880%			
62) 4-Bromofluorobenzene	12.727	95	398832	40.898	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 81.800%			
Target Compounds						Qvalue
3) Chloromethane	2.299	50	3110	0.328	ug/l #	72
5) Bromomethane	2.875	94	2211	0.410	ug/l #	57
13) Acrolein	4.040	56	1218	0.902	ug/l	97
16) Acetone	4.299	43	5211	1.141	ug/l	95
18) Methyl Acetate	4.857	43	4838	Below Cal	#	81
25) 2-Butanone	7.345	43	2599	0.428	ug/l	98
29) Tetrahydrofuran	7.675	42	886	0.225	ug/l #	32
31) Cyclohexane	8.081	56	13896	0.968	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	54523	4.899	ug/l #	49
38) Carbon Tetrachloride	8.081	117	69209	6.311	ug/l #	16
43) Isopropyl Acetate	8.622	43	12042	0.640	ug/l #	55
49) 1,4-Dioxane	9.592	88	547	3.458	ug/l #	1
51) 4-Methyl-2-Pentanone	10.328	43	7597	0.664	ug/l	93
59) 2-Hexanone	11.092	43	16066	2.041	ug/l	91
74) N-amyl acetate	12.386	43	8142	0.985	ug/l	93
76) 1,2,3-Trichloropropane	12.727	75	201857	26.679	ug/l #	1
77) Bromobenzene	12.857	156	1395	0.220	ug/l	82
78) n-propylbenzene	12.921	91	5955	0.205	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.727	75	201857	86.452	ug/l #	5
82) 4-Chlorotoluene	13.110	91	4532	0.265	ug/l	90
87) 1,3-Dichlorobenzene	13.616	146	3282	0.293	ug/l	95
88) 1,4-Dichlorobenzene	13.616	146	3282	0.299	ug/l	95
89) n-Butylbenzene	13.939	91	9071	0.517	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	4058	0.386	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.598	75	935	0.702	ug/l	63
93) 1,2,4-Trichlorobenzene	15.263	180	6497	3.053	ug/l	99
94) Hexachlorobutadiene	15.363	225	916	0.239	ug/l	78
95) Naphthalene	15.504	128	21723	6.351	ug/l	97
96) 1,2,3-Trichlorobenzene	15.692	180	7693	3.855	ug/l	96

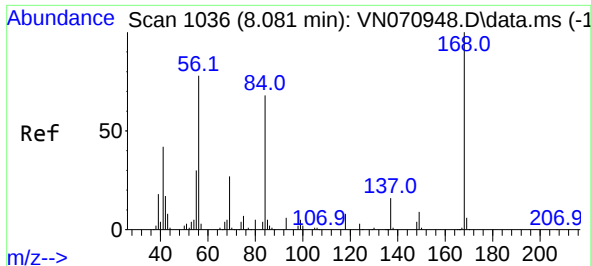
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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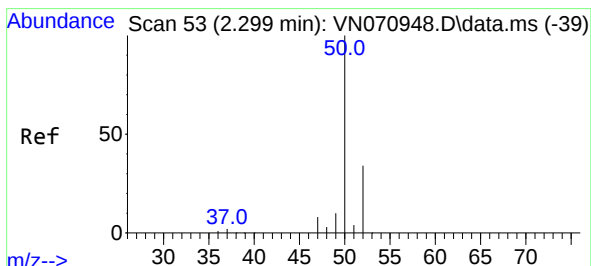
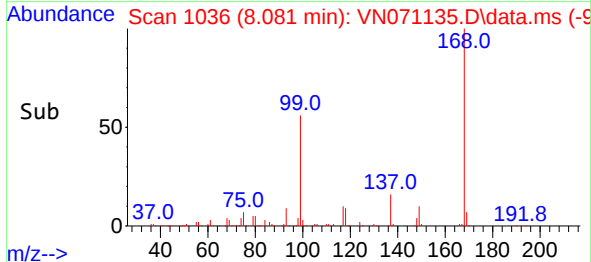
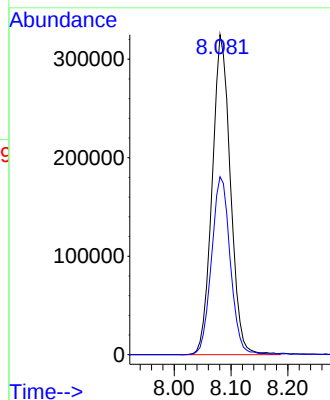
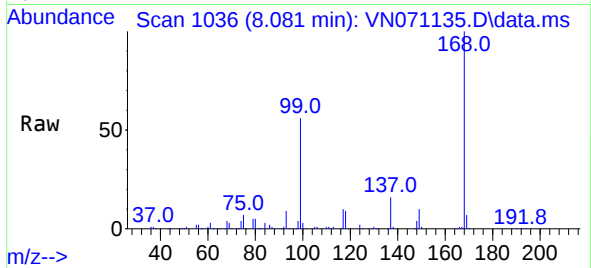




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

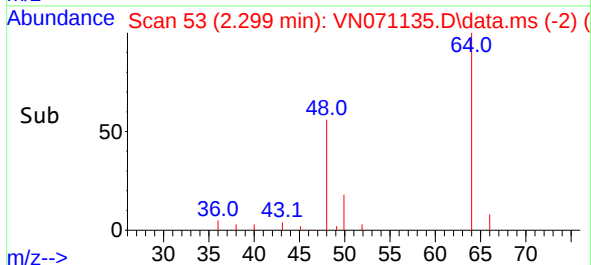
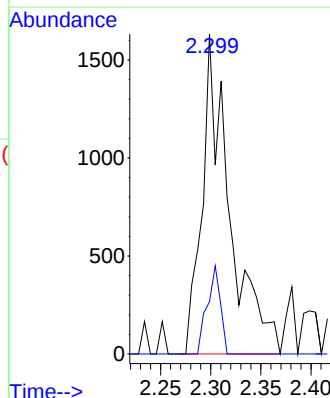
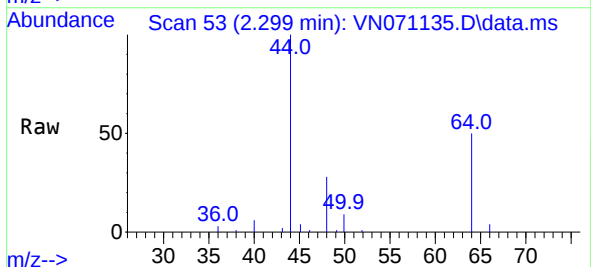
Instrument :
MSVOA_N
ClientSampleId :

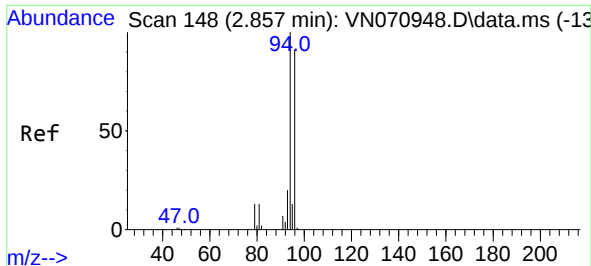
Tgt Ion:168 Resp: 726278
Ion Ratio Lower Upper
168 100
99 55.6 41.3 61.9



#3
Chloromethane
Concen: 0.328 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 50 Resp: 3110
Ion Ratio Lower Upper
50 100
52 16.3 25.4 38.0#

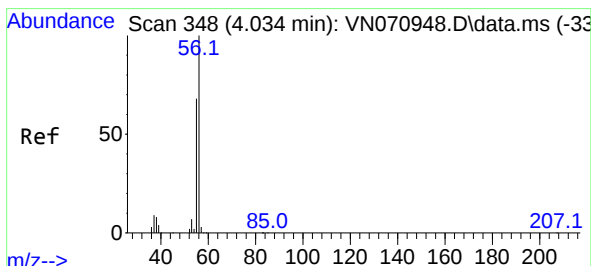
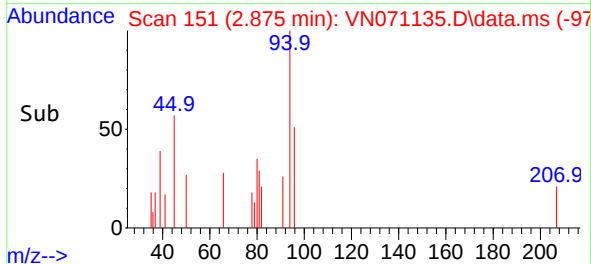
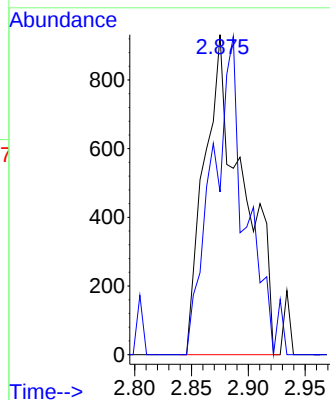
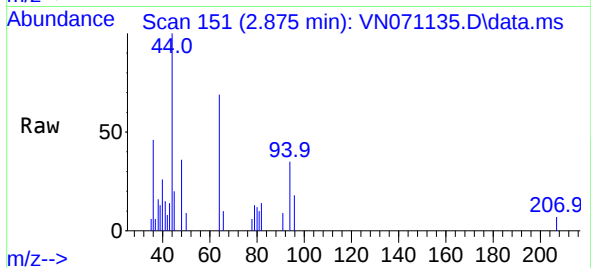




#5
Bromomethane
Concen: 0.410 ug/l
RT: 2.875 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

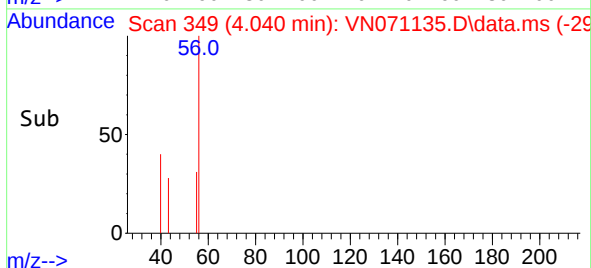
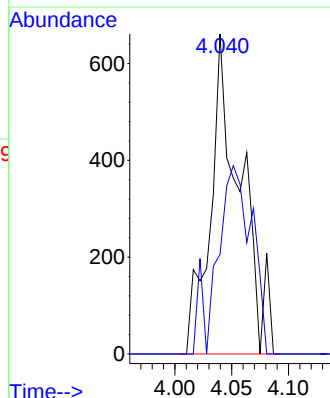
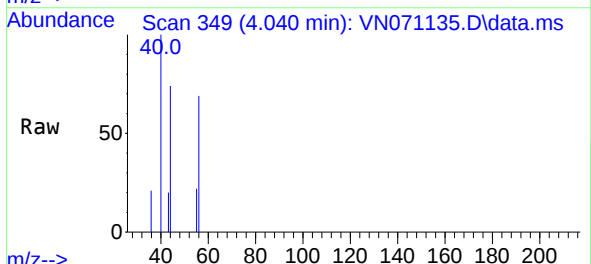
Instrument :
MSVOA_N
ClientSampleId :

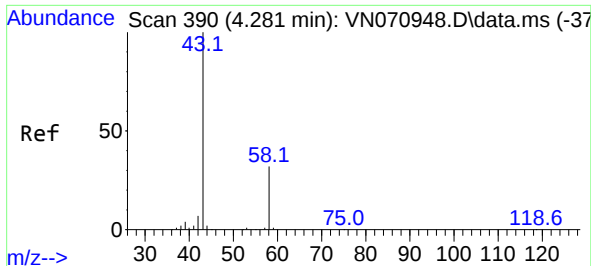
Tgt Ion: 94 Resp: 2211
Ion Ratio Lower Upper
94 100
96 50.9 73.8 110.8#



#13
Acrolein
Concen: 0.902 ug/l
RT: 4.040 min Scan# 349
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 56 Resp: 1218
Ion Ratio Lower Upper
56 100
55 68.5 56.6 85.0

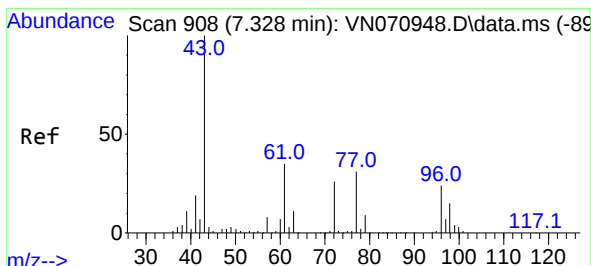
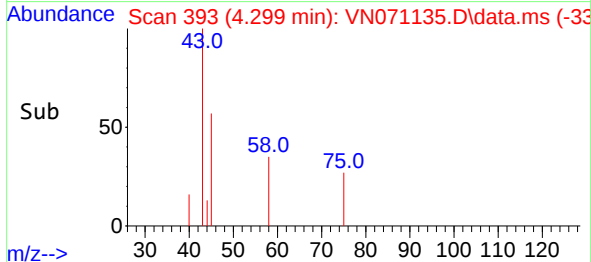
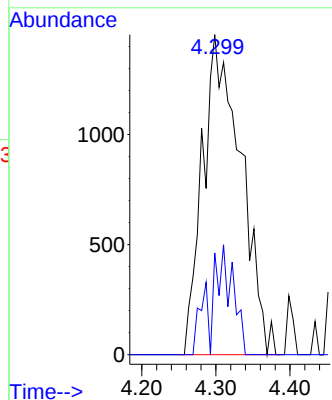
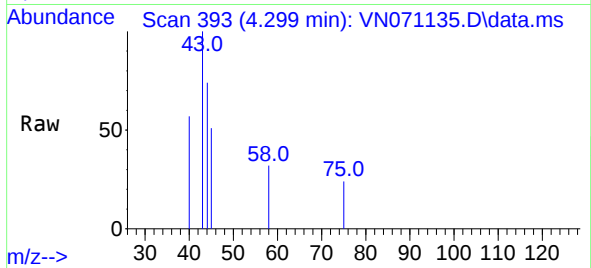




#16
Acetone
Concen: 1.141 ug/l
RT: 4.299 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

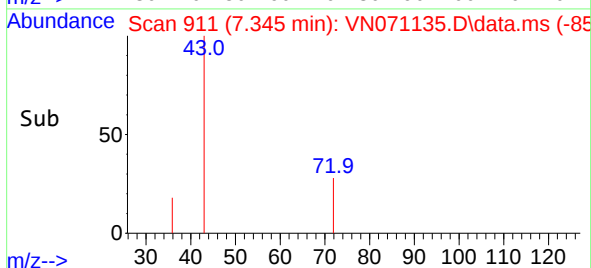
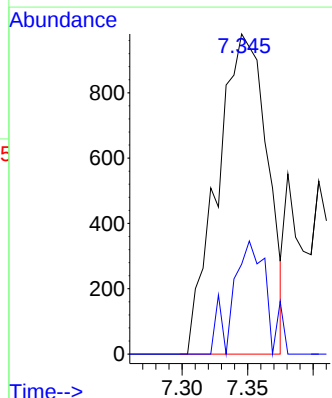
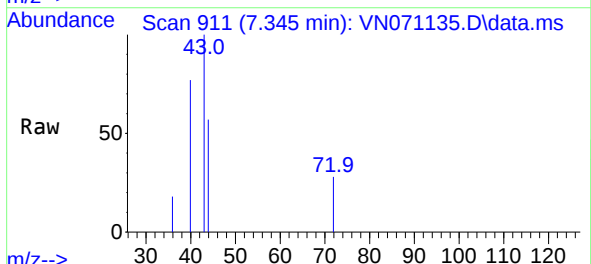
Instrument :
MSVOA_N
ClientSampleId :

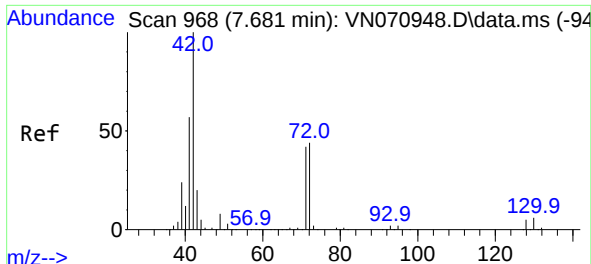
Tgt Ion: 43 Resp: 5211
Ion Ratio Lower Upper
43 100
58 31.8 23.1 34.7



#25
2-Butanone
Concen: 0.428 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 43 Resp: 2599
Ion Ratio Lower Upper
43 100
72 28.1 21.7 32.5





#29

Tetrahydrofuran

Concen: 0.225 ug/l

RT: 7.675 min Scan# 9

Delta R.T. -0.006 min

Lab File: VN071135.D

Acq: 02 Mar 2022 11:44

Instrument :

MSVOA_N

ClientSampleId :

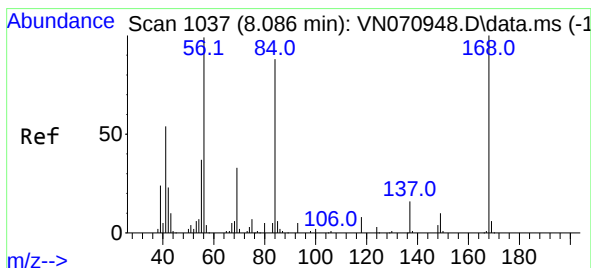
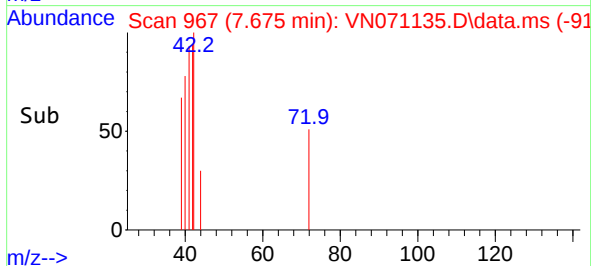
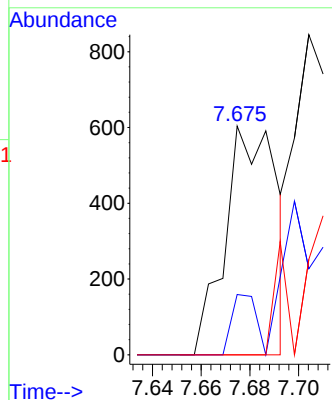
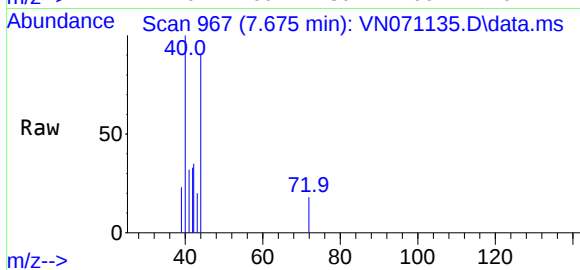
Tgt Ion: 42 Resp: 886

Ion Ratio Lower Upper

42 100

72 0.0 36.3 54.5#

71 0.0 34.7 52.1#



#31

Cyclohexane

Concen: 0.968 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VN071135.D

Acq: 02 Mar 2022 11:44

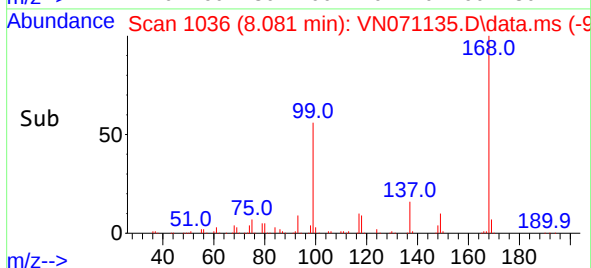
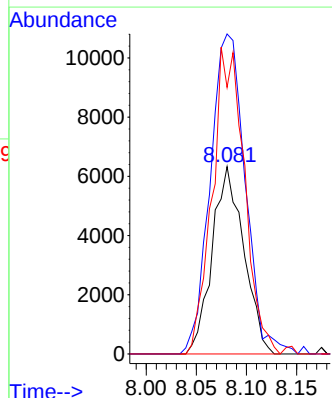
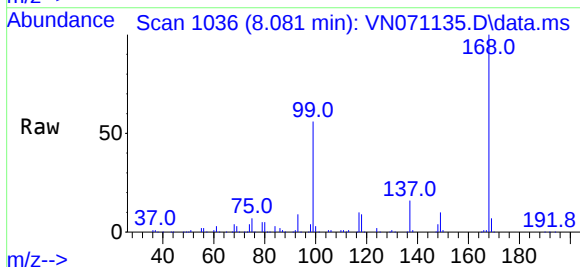
Tgt Ion: 56 Resp: 13896

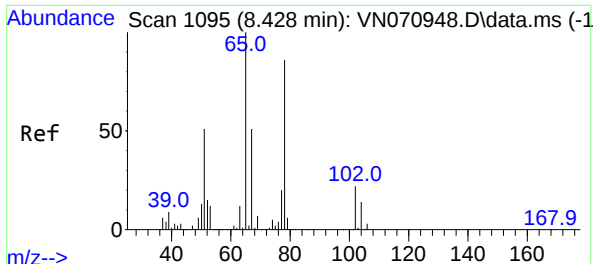
Ion Ratio Lower Upper

56 100

69 170.8 27.1 40.7#

84 142.2 73.4 110.0#

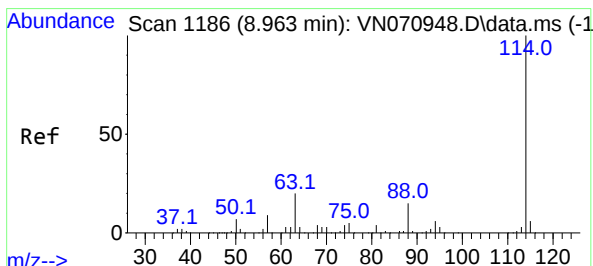
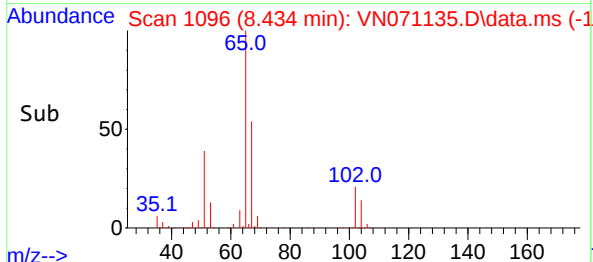
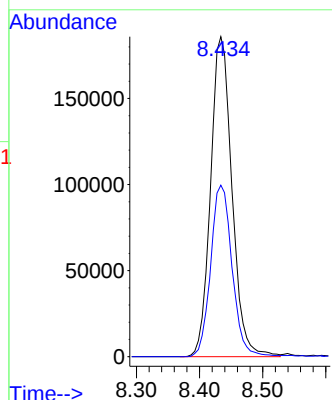
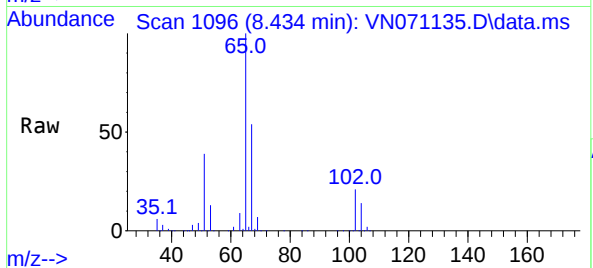




#33
1,2-Dichloroethane-d4
Concen: 52.751 ug/l
RT: 8.434 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

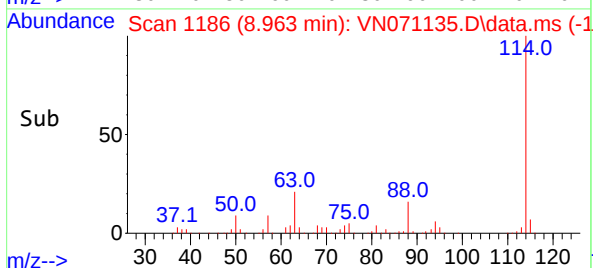
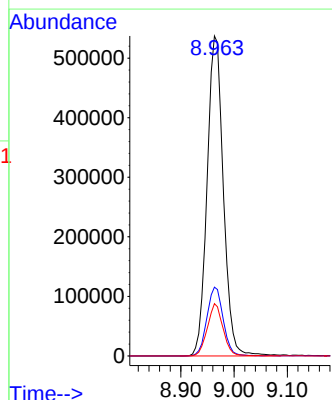
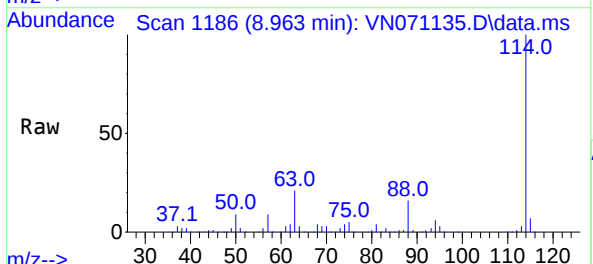
Instrument :
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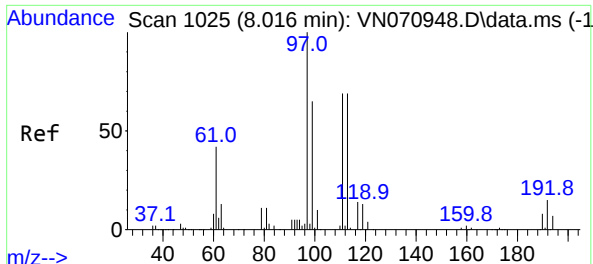
Tgt Ion: 65 Resp: 437644
Ion Ratio Lower Upper
65 100
67 53.6 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

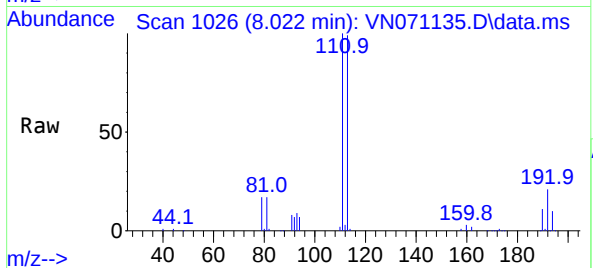
Tgt Ion: 114 Resp: 1142145
Ion Ratio Lower Upper
114 100
63 21.5 0.0 37.8
88 16.4 0.0 27.4



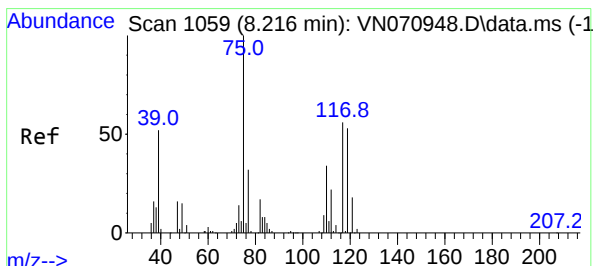
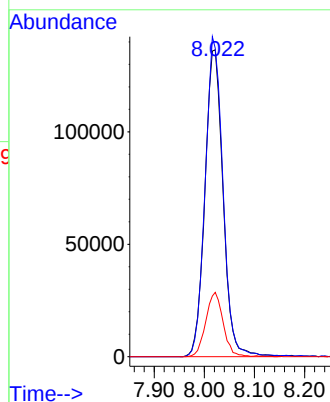
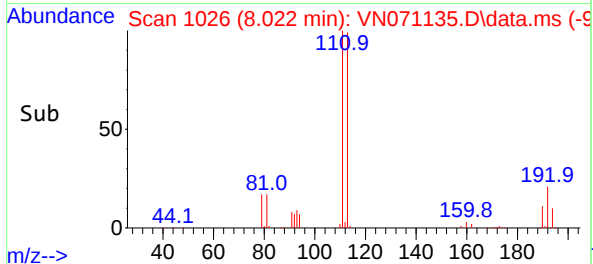


#35
Dibromofluoromethane
Concen: 50.619 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

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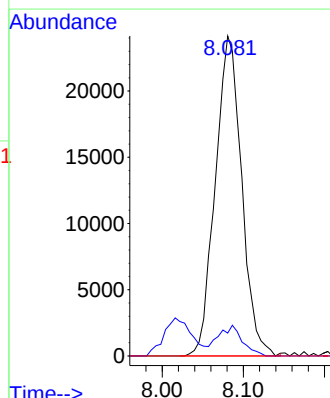
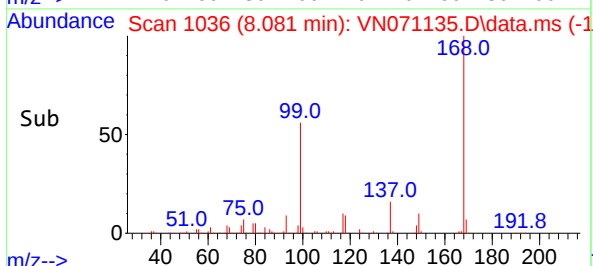
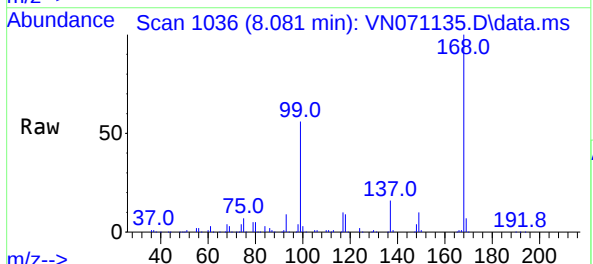


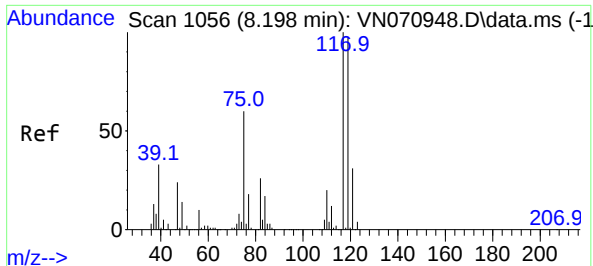
Tgt Ion:113 Resp: 343882
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.899 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

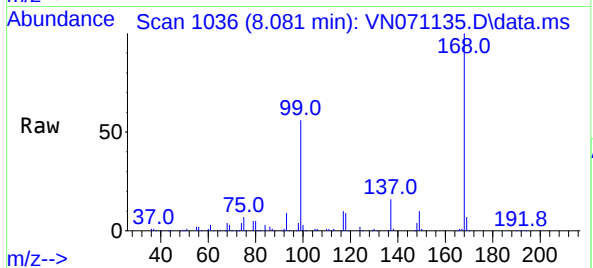
Tgt Ion: 75 Resp: 54523
Ion Ratio Lower Upper
75 100
110 8.7 18.4 55.2#
77 0.0 24.4 36.6#



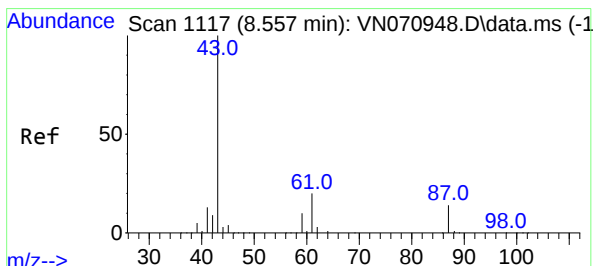
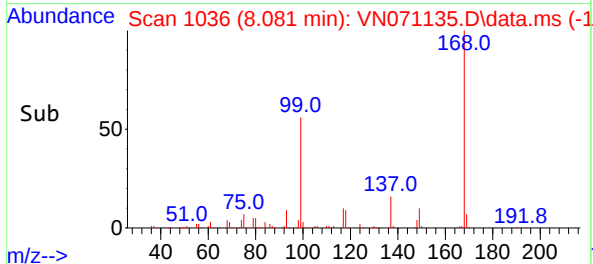
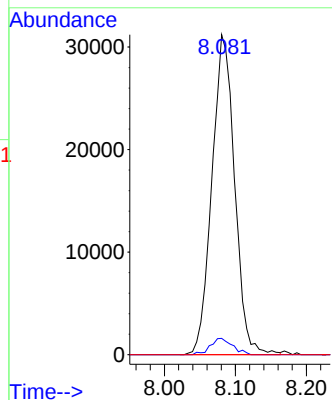


#38
Carbon Tetrachloride
Concen: 6.311 ug/l
RT: 8.081 min Scan# 110
Delta R.T. -0.118 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Instrument :
MSVOA_N
ClientSampleId :

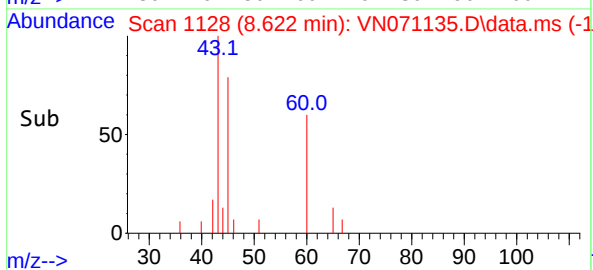
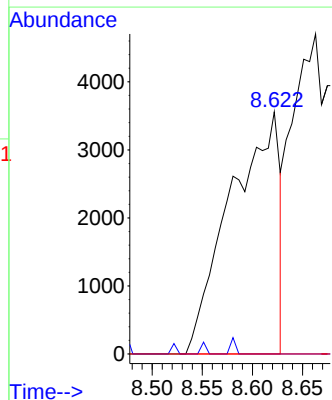
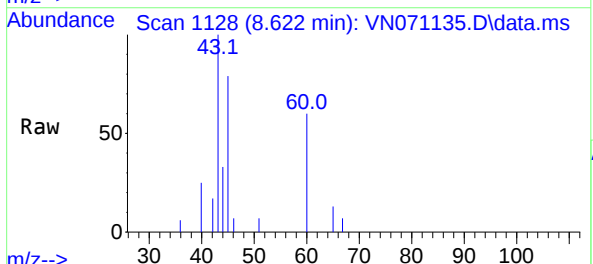


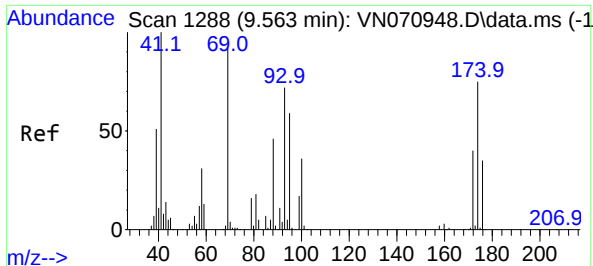
Tgt Ion:117 Resp: 69209
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.640 ug/l
RT: 8.622 min Scan# 1128
Delta R.T. 0.065 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

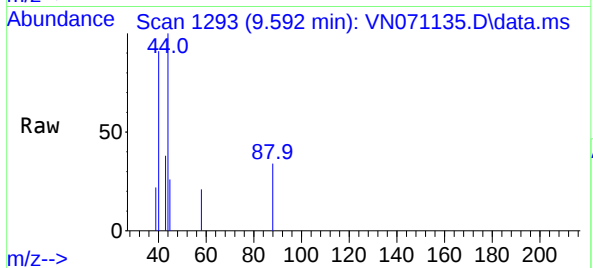
Tgt Ion: 43 Resp: 12042
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



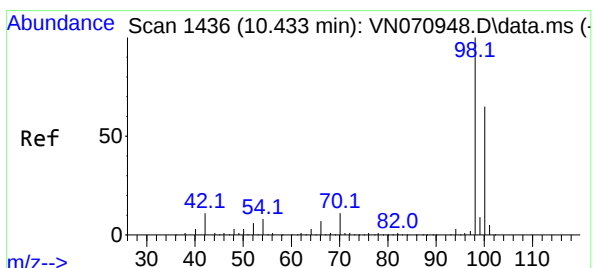
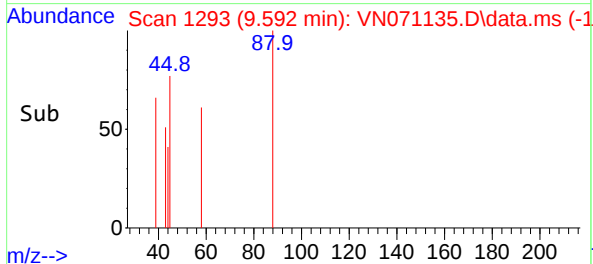
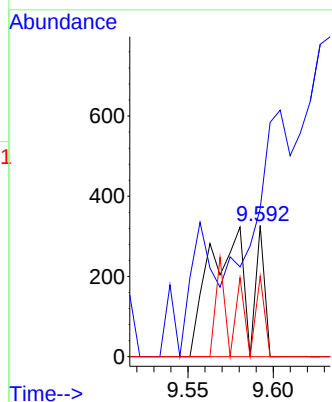


#49
1,4-Dioxane
Concen: 3.458 ug/l
RT: 9.592 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Instrument :
MSVOA_N
ClientSampleId :

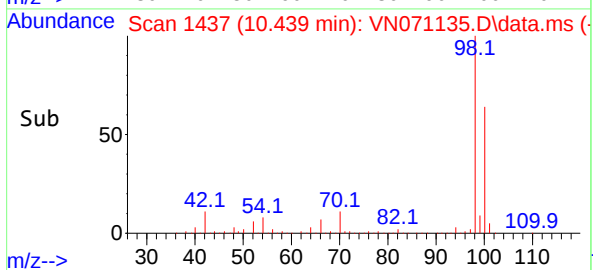
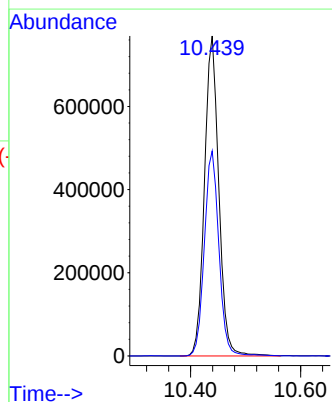
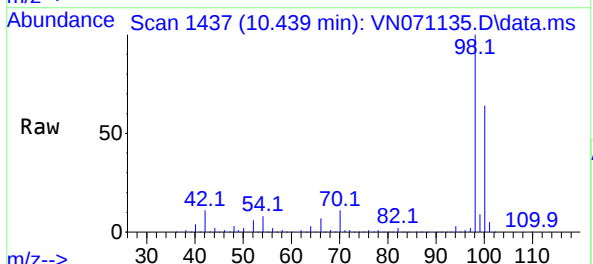


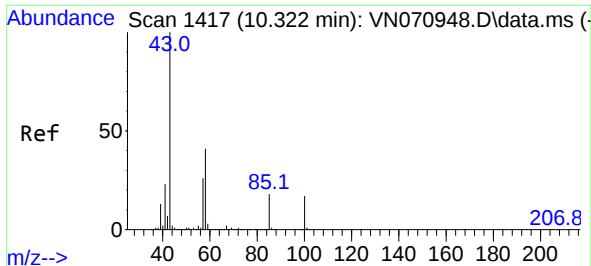
Tgt Ion: 88 Resp: 547
Ion Ratio Lower Upper
88 100
43 103.7 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 50.938 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 98 Resp: 1389693
Ion Ratio Lower Upper
98 100
100 65.2 50.4 75.6

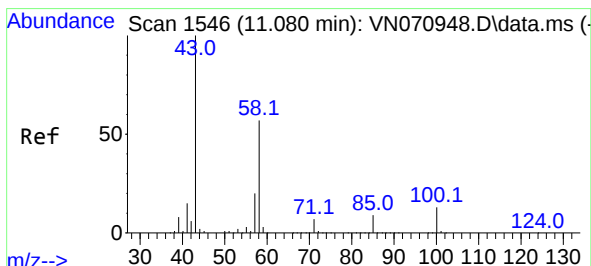
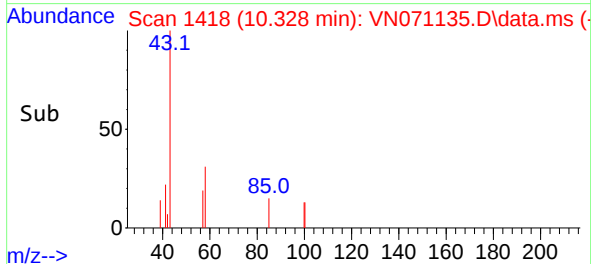
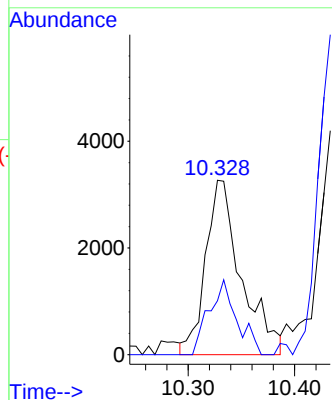
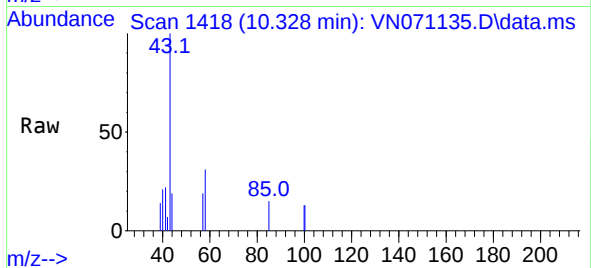




#51
4-Methyl-2-Pentanone
Concen: 0.664 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

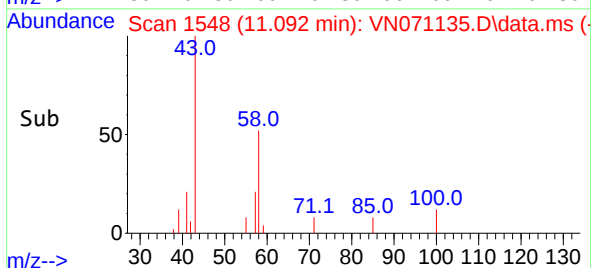
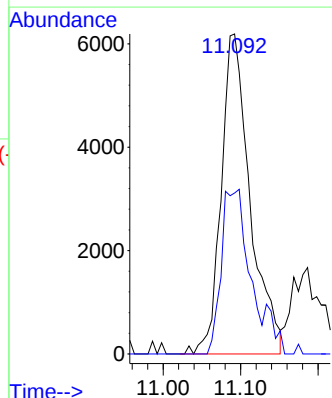
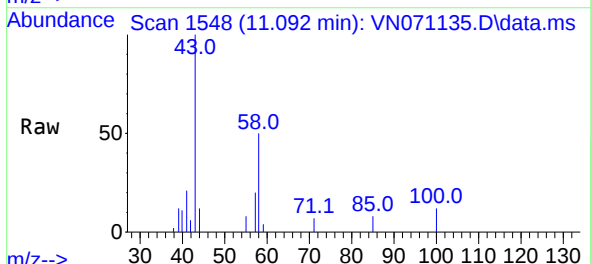
Instrument :
MSVOA_N
ClientSampleId :

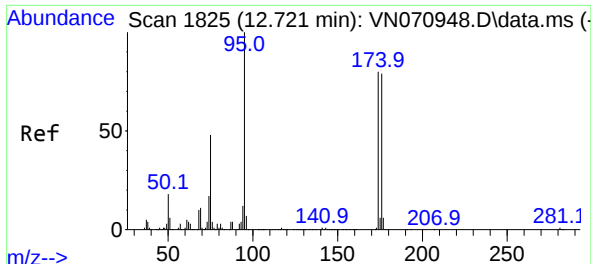
Tgt Ion: 43 Resp: 7597
Ion Ratio Lower Upper
43 100
58 33.6 30.4 45.6



#59
2-Hexanone
Concen: 2.041 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 43 Resp: 16066
Ion Ratio Lower Upper
43 100
58 47.7 26.9 80.7



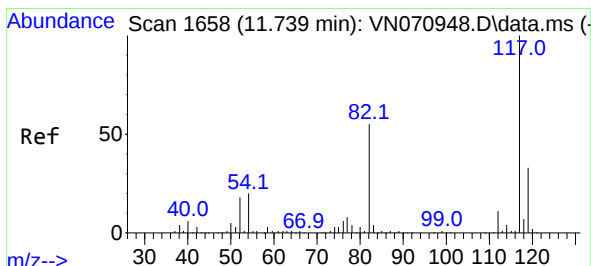
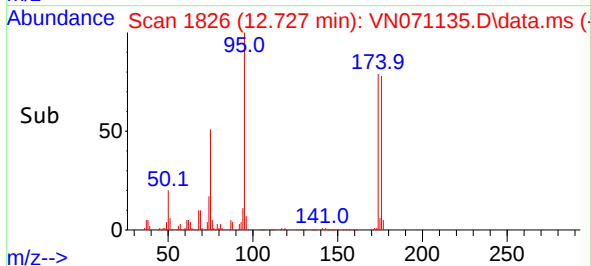
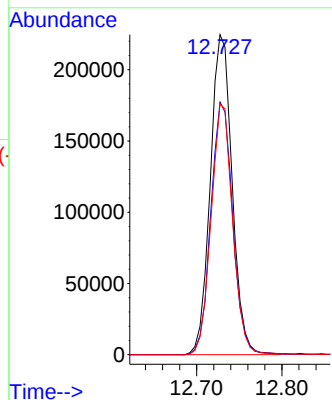
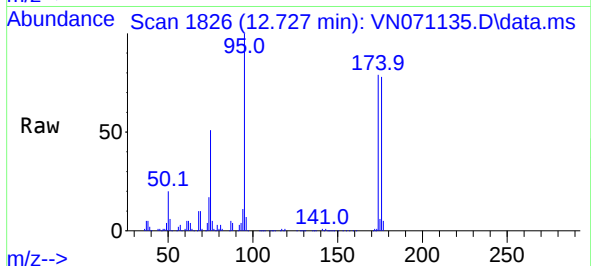


#62
4-Bromofluorobenzene
Concen: 40.898 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 95 Resp: 398832

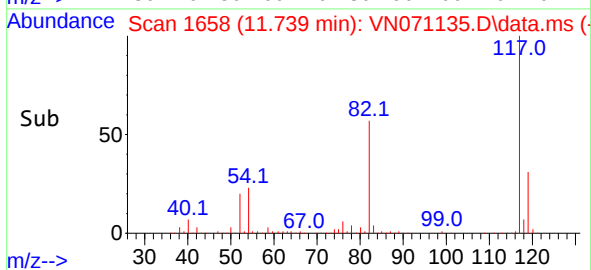
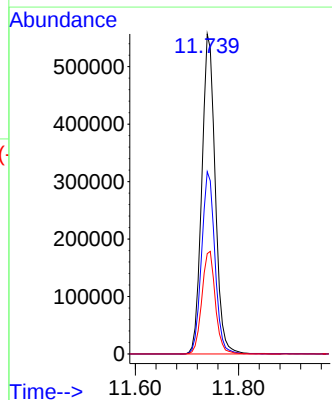
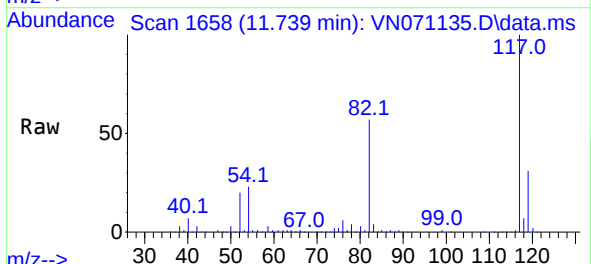
Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	187.2
176	77.3	0.0	181.4

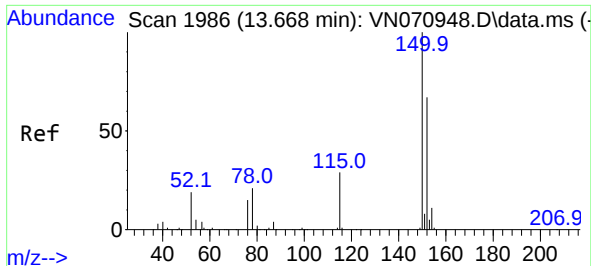


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 117 Resp: 1003226

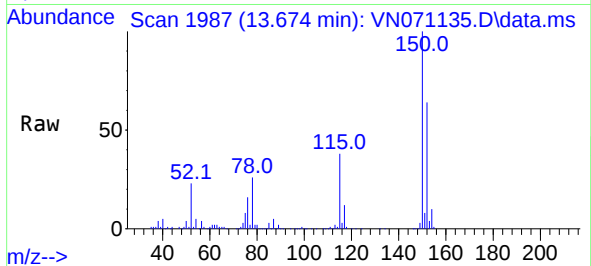
Ion	Ratio	Lower	Upper
117	100		
82	56.9	42.4	63.6
119	31.4	25.4	38.2



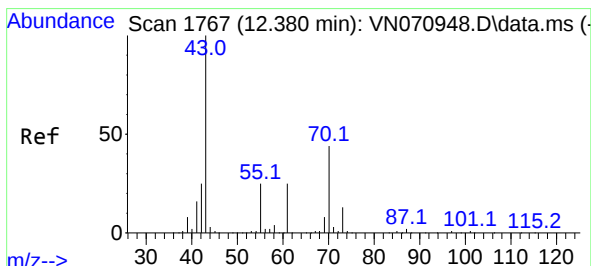
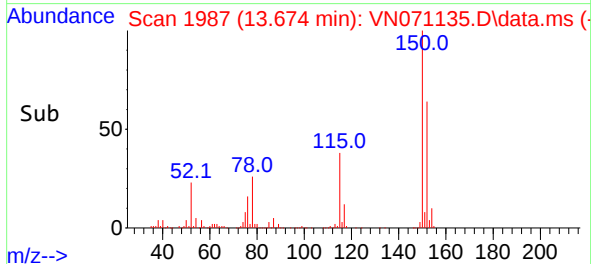
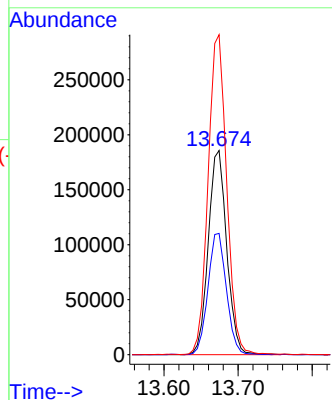


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Instrument :
MSVOA_N
ClientSampleId :

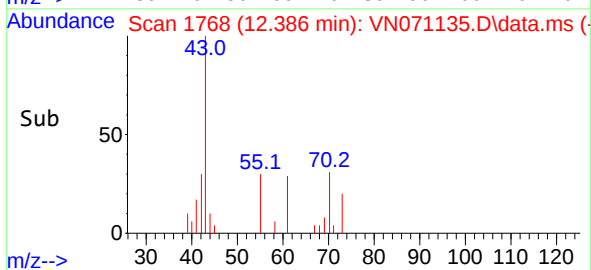
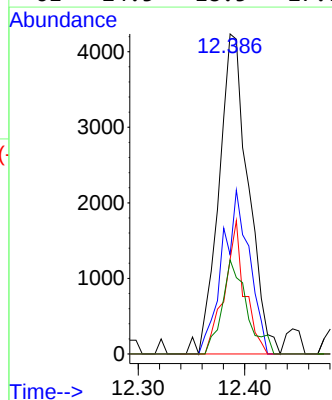
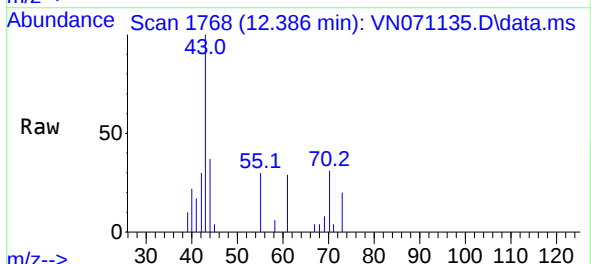


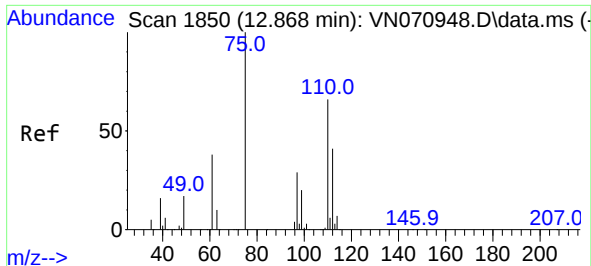
Tgt Ion:152 Resp: 321347
Ion Ratio Lower Upper
152 100
115 59.5 27.5 82.5
150 157.9 0.0 344.4



#74
N-ethyl acetate
Concen: 0.985 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 43 Resp: 8142
Ion Ratio Lower Upper
43 100
70 46.8 33.4 50.0
55 28.3 19.3 28.9
61 24.5 18.5 27.7

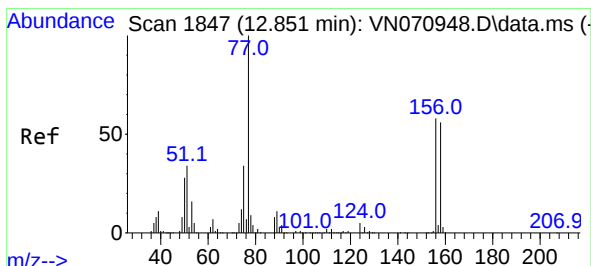
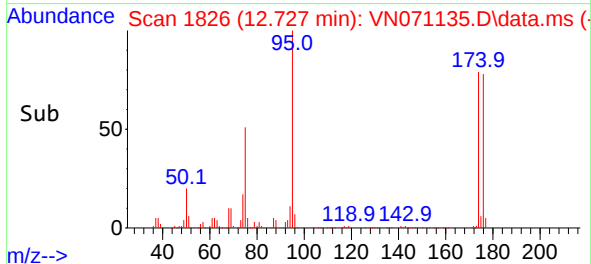
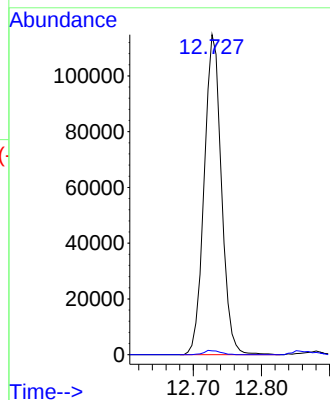
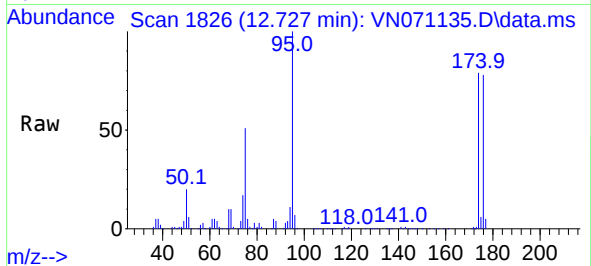




#76
1,2,3-Trichloropropane
Concen: 26.679 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

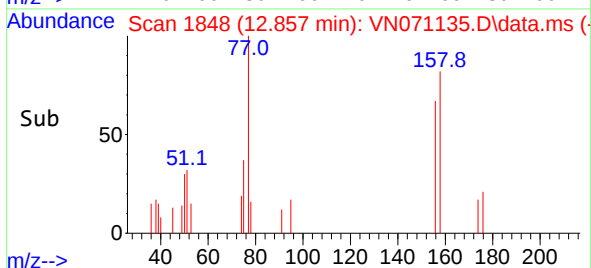
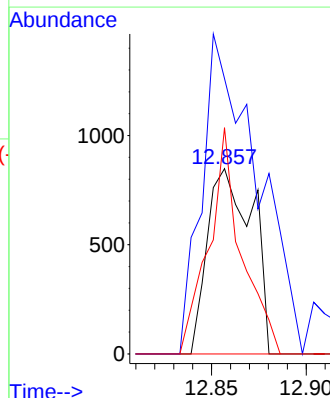
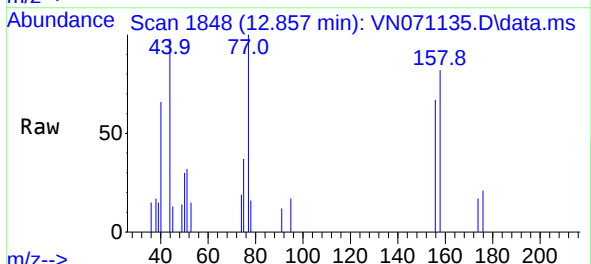
Instrument :
MSVOA_N
ClientSampleId :

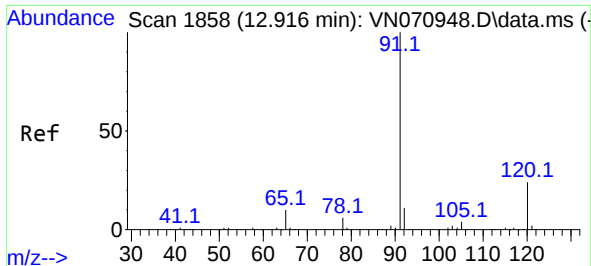
Tgt Ion: 75 Resp: 201857
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#



#77
Bromobenzene
Concen: 0.220 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion:156 Resp: 1395
Ion Ratio Lower Upper
156 100
77 213.5 90.6 271.8
158 88.8 48.9 146.7

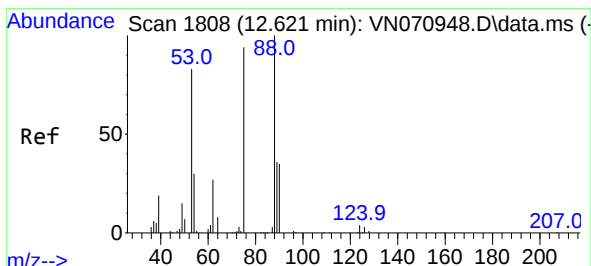
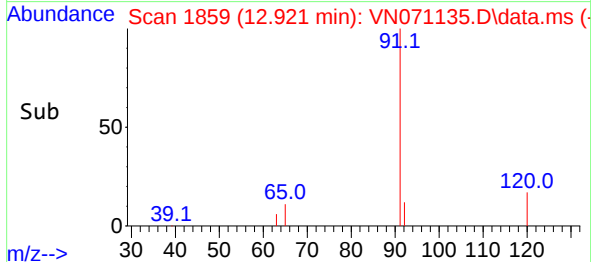
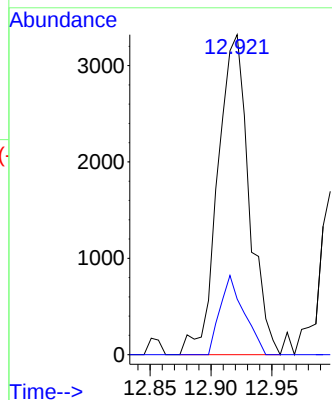
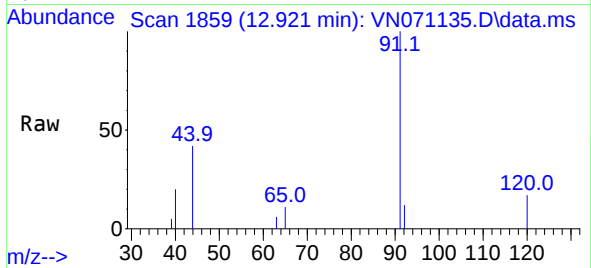




#78
n-propylbenzene
Concen: 0.205 ug/l
RT: 12.921 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

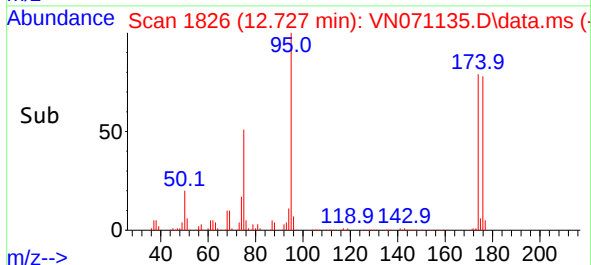
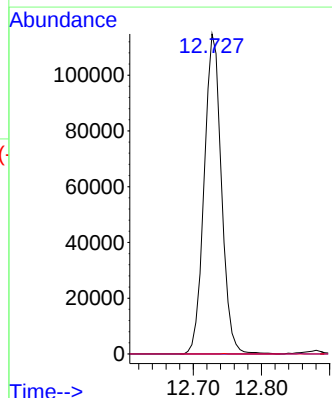
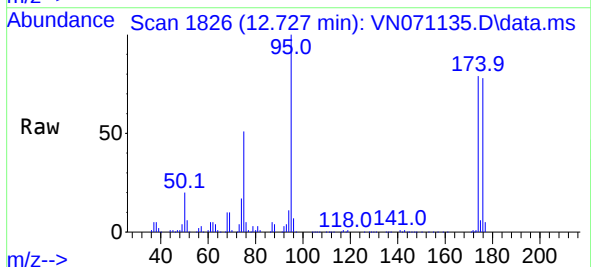
Instrument :
MSVOA_N
ClientSampleId :

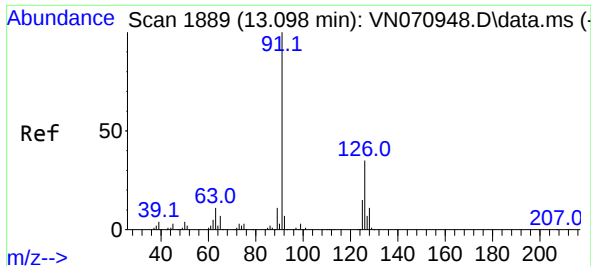
Tgt Ion: 91 Resp: 5955
Ion Ratio Lower Upper
91 100
120 18.9 11.9 35.9



#81
trans-1,4-Dichloro-2-butene
Concen: 86.452 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion: 75 Resp: 201857
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

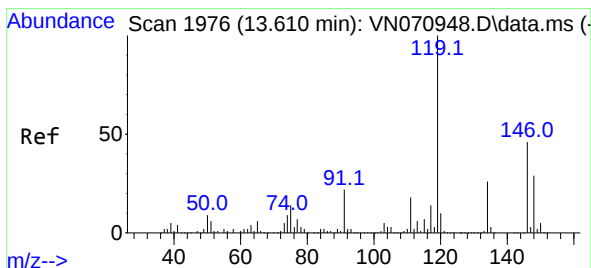
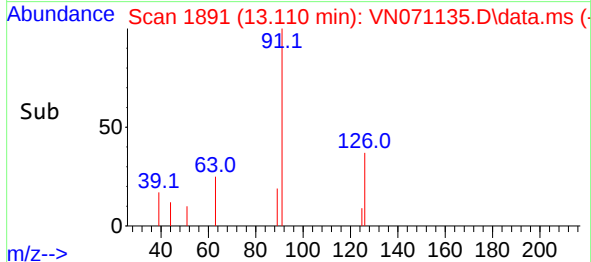
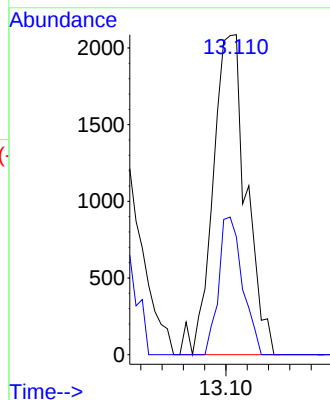
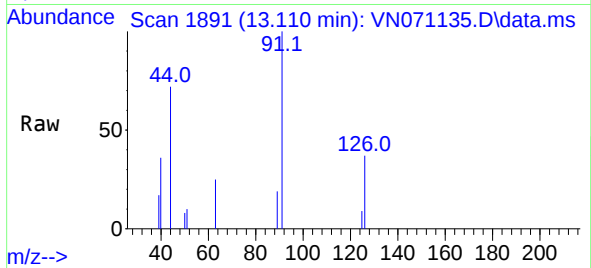




#82
4-Chlorotoluene
Concen: 0.265 ug/l
RT: 13.110 min Scan# 1889
Delta R.T. 0.012 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

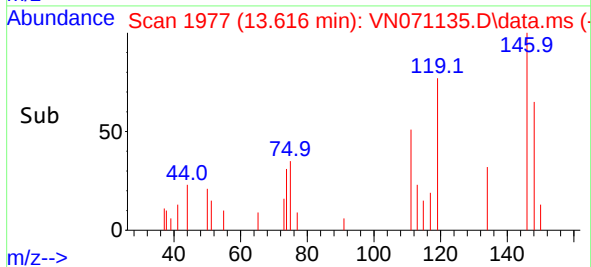
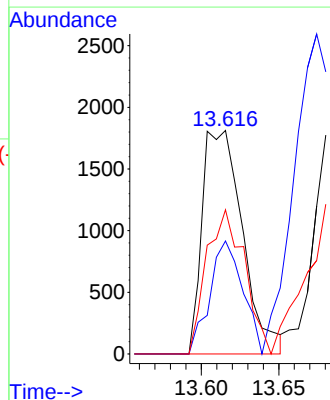
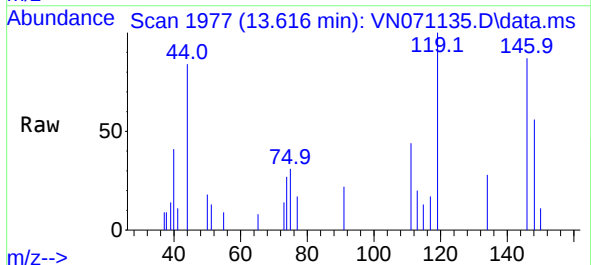
Instrument :
MSVOA_N
ClientSampleId :

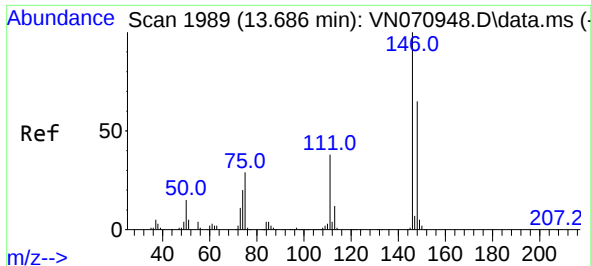
Tgt Ion: 91 Resp: 4532
Ion Ratio Lower Upper
91 100
126 30.8 18.2 54.6



#87
1,3-Dichlorobenzene
Concen: 0.293 ug/l
RT: 13.616 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

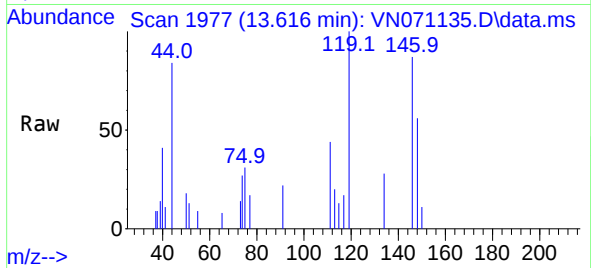
Tgt Ion: 146 Resp: 3282
Ion Ratio Lower Upper
146 100
111 41.3 18.6 55.6
148 60.5 31.6 95.0



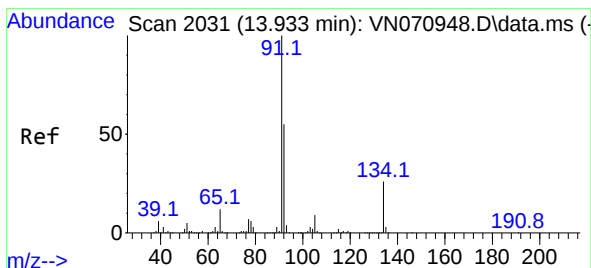
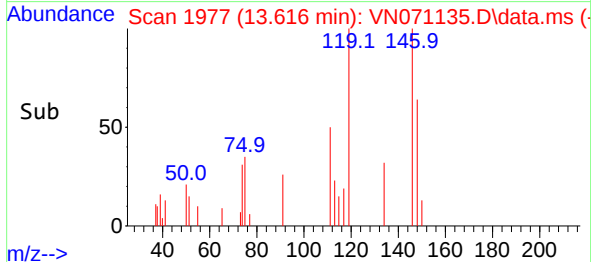
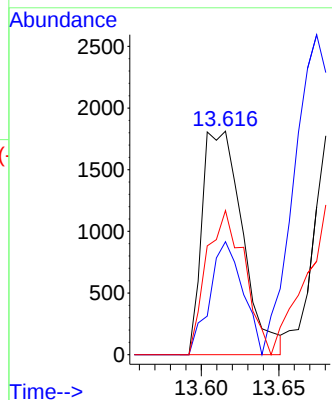


#88
1,4-Dichlorobenzene
Concen: 0.299 ug/l
RT: 13.616 min Scan# 1989
Delta R.T. -0.071 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Instrument :
MSVOA_N
ClientSampleId :

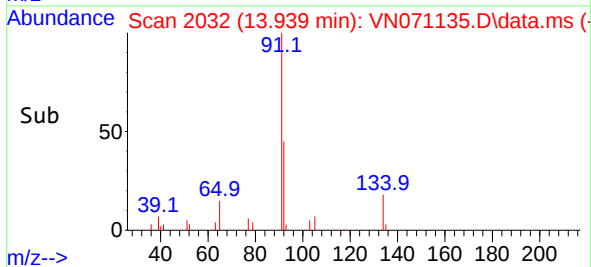
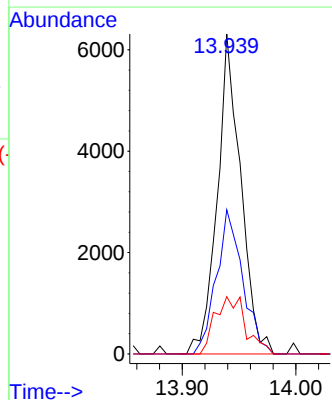
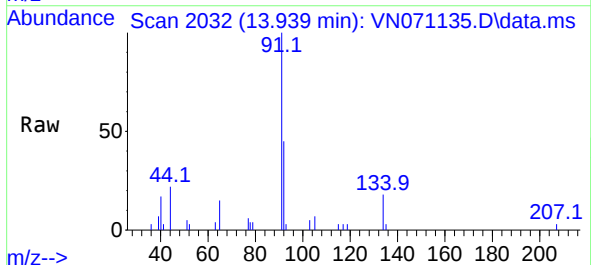


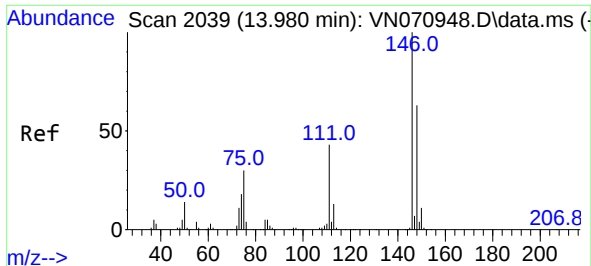
Tgt Ion:146 Resp: 3282
Ion Ratio Lower Upper
146 100
111 41.3 18.3 54.8
148 60.5 31.8 95.4



#89
n-Butylbenzene
Concen: 0.517 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

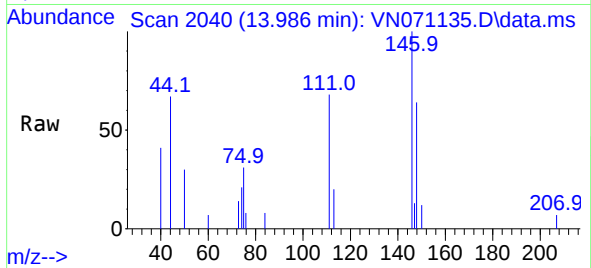
Tgt Ion: 91 Resp: 9071
Ion Ratio Lower Upper
91 100
92 50.5 25.4 76.0
134 23.4 13.6 40.8



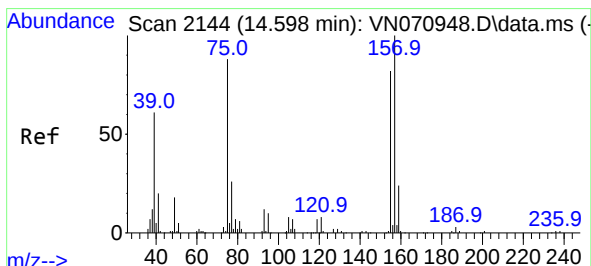
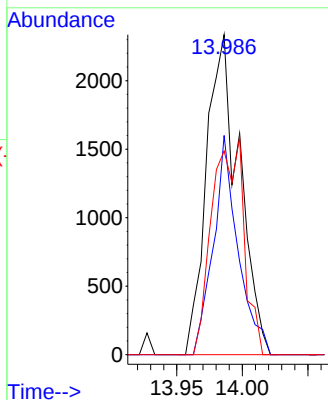
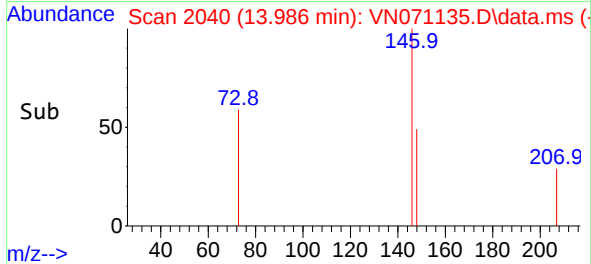


#91
1,2-Dichlorobenzene
Concen: 0.386 ug/l
RT: 13.986 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

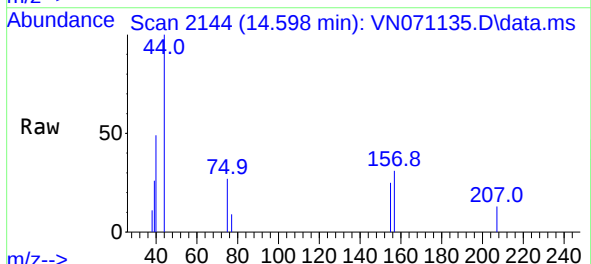
Instrument :
MSVOA_N
ClientSampleId :



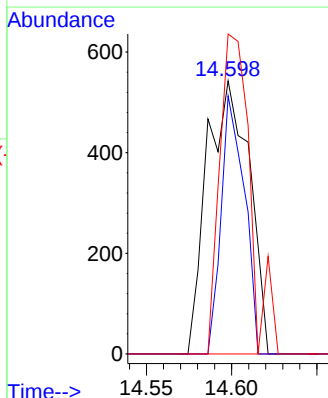
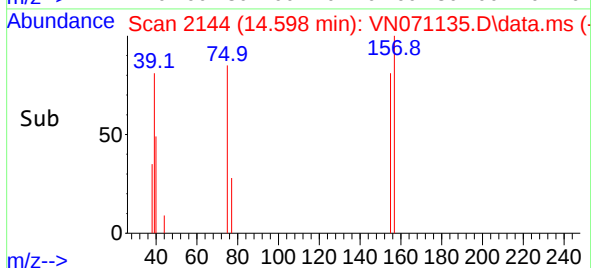
Tgt Ion:146 Resp: 4058
Ion Ratio Lower Upper
146 100
111 51.5 19.1 57.3
148 65.5 32.1 96.3

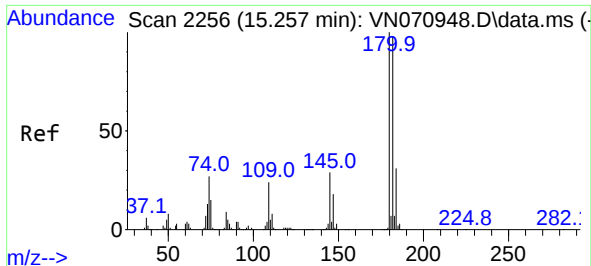


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.702 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. 0.000 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44



Tgt Ion: 75 Resp: 935
Ion Ratio Lower Upper
75 100
155 51.9 46.9 140.7
157 84.5 60.6 181.7

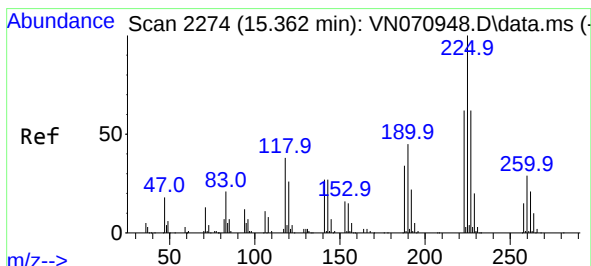
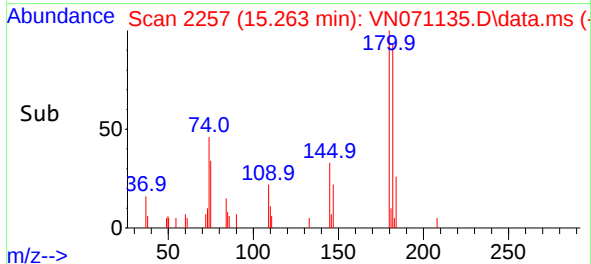
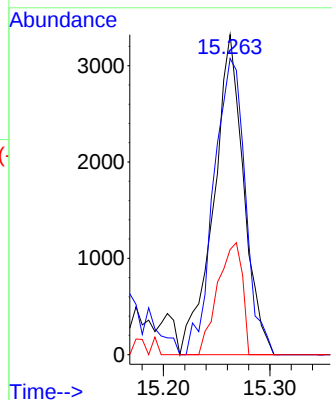
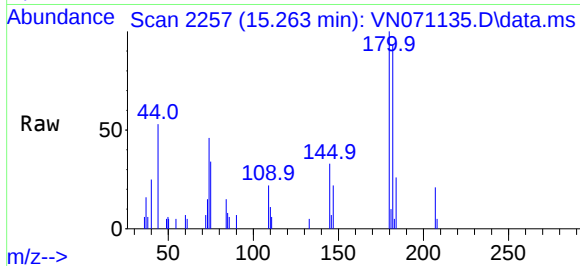




#93
 1,2,4-Trichlorobenzene
 Concen: 3.053 ug/l
 RT: 15.263 min Scan# 211
 Delta R.T. 0.006 min
 Lab File: VN071135.D
 Acq: 02 Mar 2022 11:44

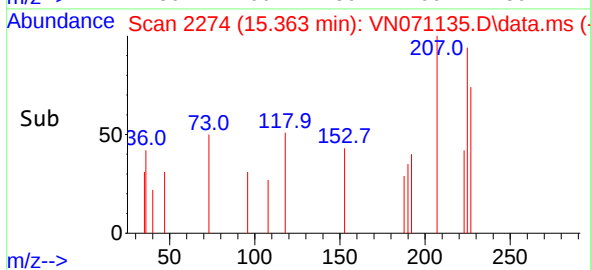
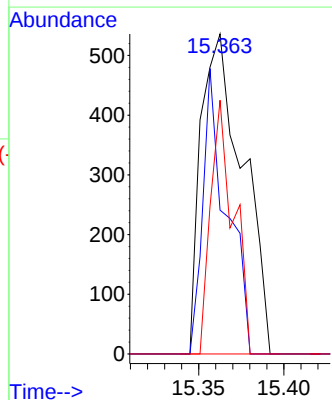
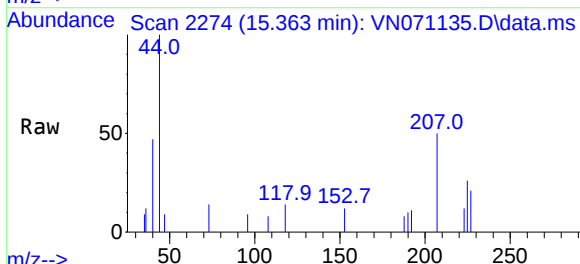
Instrument :
 MSVOA_N
 ClientSampleId :

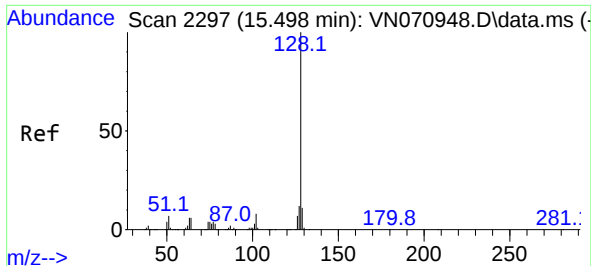
Tgt Ion:	180	Resp:	6497
Ion	Ratio	Lower	Upper
180	100		
182	97.2	48.3	144.9
145	28.8	14.5	43.5



#94
 Hexachlorobutadiene
 Concen: 0.239 ug/l
 RT: 15.363 min Scan# 2274
 Delta R.T. 0.001 min
 Lab File: VN071135.D
 Acq: 02 Mar 2022 11:44

Tgt Ion:	225	Resp:	916
Ion	Ratio	Lower	Upper
225	100		
223	50.5	31.9	95.7
227	43.6	32.1	96.3

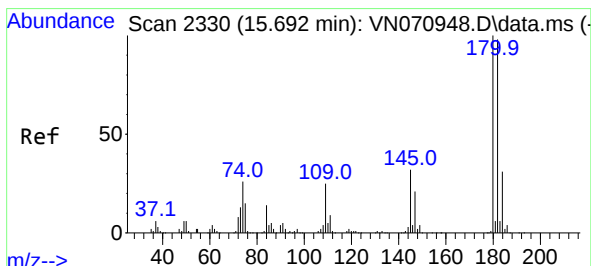
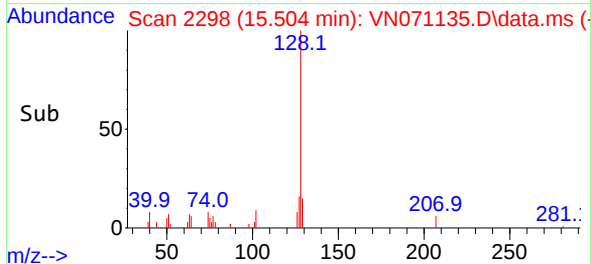
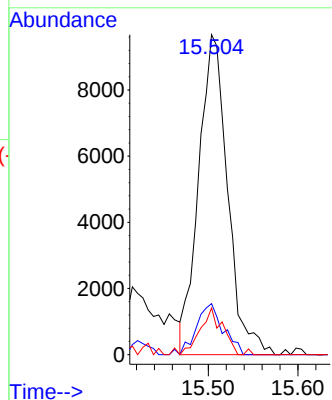
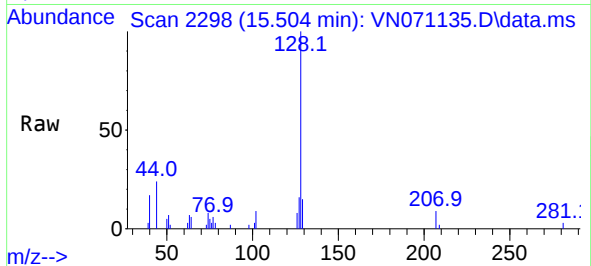




#95
Naphthalene
Concen: 6.351 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 21723
Ion Ratio Lower Upper
128 100
127 14.8 10.5 15.7
129 11.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 3.855 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071135.D
Acq: 02 Mar 2022 11:44

Tgt Ion:180 Resp: 7693
Ion Ratio Lower Upper
180 100
182 98.8 47.4 142.2
145 32.0 15.0 45.1

