

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042022\
 Data File : VN072074.D
 Acq On : 20 Apr 2022 13:28
 Operator : JC\MD
 Sample : N2468-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 21 03:28:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

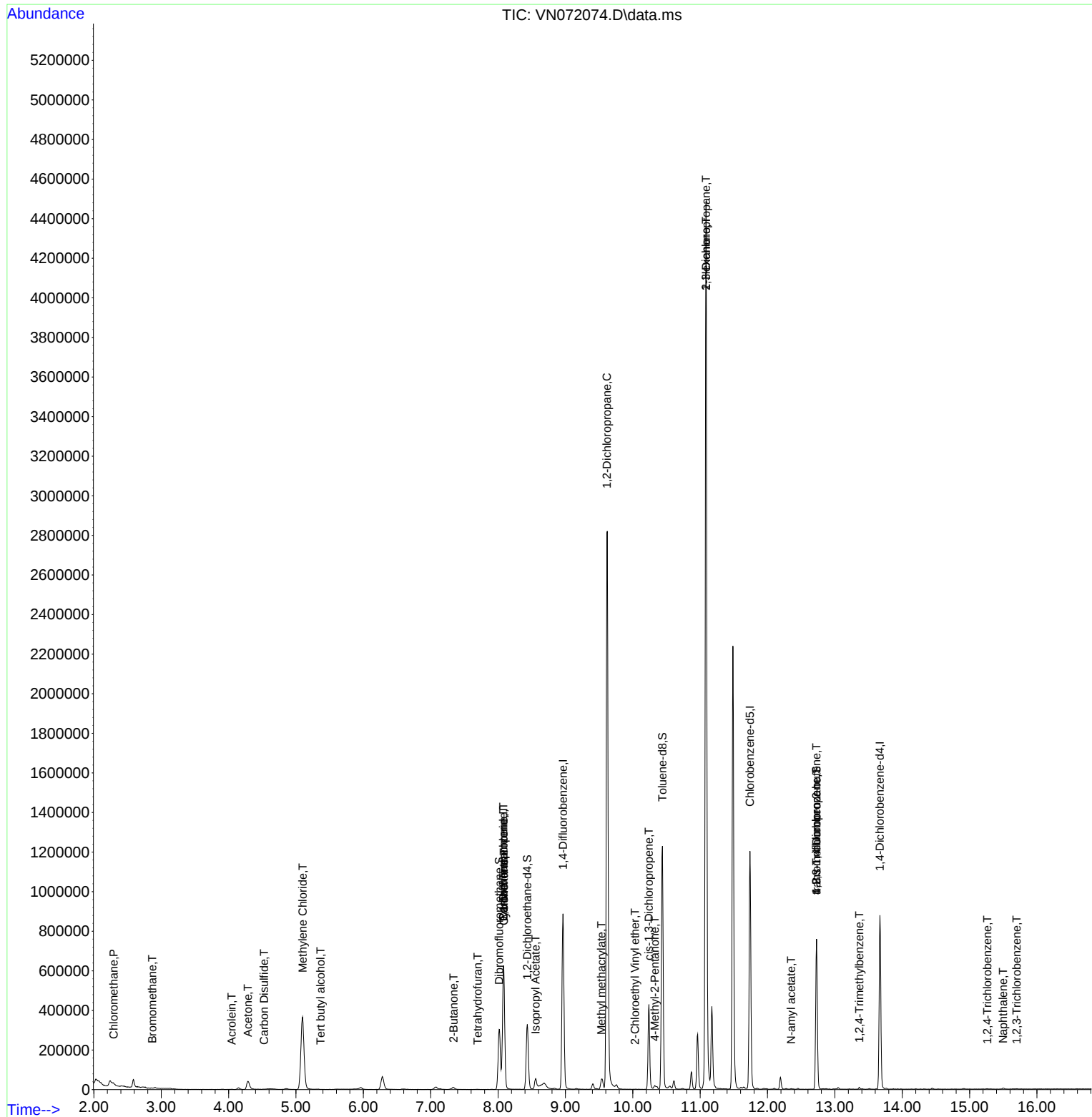
Internal Standards						
1) Pentafluorobenzene	8.080	168	525118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	834303	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	751148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	265231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	269810	45.007	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.020%		
35) Dibromofluoromethane	8.016	113	231931	47.242	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.480%		
50) Toluene-d8	10.439	98	901465	44.887	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.780%		
62) 4-Bromofluorobenzene	12.727	95	273092	42.045	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	84.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	2143	0.405	ug/l	91
5) Bromomethane	2.869	94	1159	0.307	ug/l #	68
11) Tert butyl alcohol	5.363	59	598	0.615	ug/l #	72
13) Acrolein	4.045	56	887	0.748	ug/l #	83
16) Acetone	4.287	43	77303	30.173	ug/l	97
17) Carbon Disulfide	4.528	76	2467	0.248	ug/l #	75
20) Methylene Chloride	5.098	84	327816	60.707	ug/l	97
25) 2-Butanone	7.339	43	18350	4.968	ug/l	95
29) Tetrahydrofuran	7.698	42	578	0.242	ug/l #	36
31) Cyclohexane	8.086	56	9660	1.185	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	33539	4.892	ug/l #	49
38) Carbon Tetrachloride	8.080	117	46626	6.939	ug/l #	17
43) Isopropyl Acetate	8.557	43	60187	4.822	ug/l #	88
45) 1,2-Dichloropropane	9.616	63	4349	0.804	ug/l #	44
48) Methyl methacrylate	9.533	41	14307	2.763	ug/l #	10
49) 1,4-Dioxane	9.622	88	451	Below Cal	#	1
51) 4-Methyl-2-Pentanone	10.327	43	6492	0.905	ug/l #	48
54) cis-1,3-Dichloropropene	10.239	75	88461	10.564	ug/l #	57
57) 1,3-Dichloropropane	11.086	76	52274	5.549	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.033	63	201	17.042	ug/l #	44
59) 2-Hexanone	11.086	43	617091	122.141	ug/l #	49
74) N-amyl acetate	12.351	43	4361	0.681	ug/l #	42
76) 1,2,3-Trichloropropane	12.727	75	129679	21.106	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	129679	65.406	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.362	105	6580	0.381	ug/l	84
93) 1,2,4-Trichlorobenzene	15.262	180	940	2.299	ug/l	88
95) Naphthalene	15.498	128	5927	4.256	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.698	180	816	2.604	ug/l	96

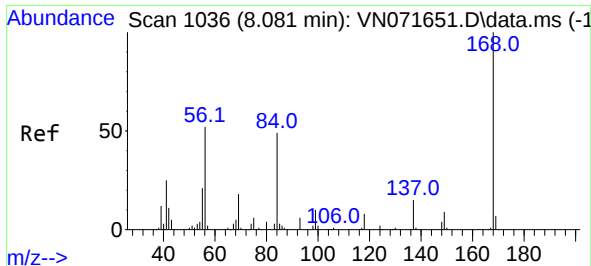
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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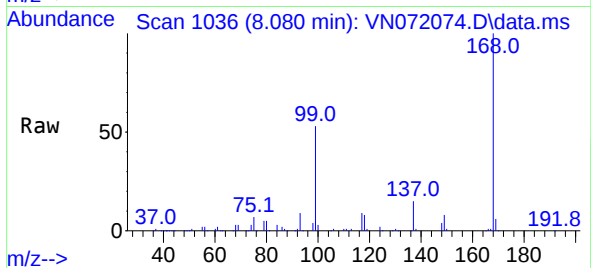
Quant Time: Apr 21 03:28:01 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 31 01:57:54 2022
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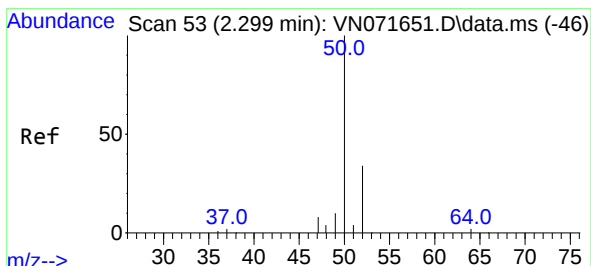
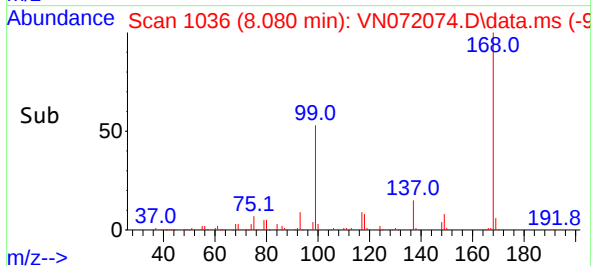
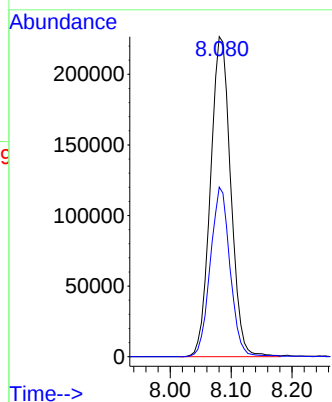


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Instrument :
MSVOA_N
ClientSampleId :

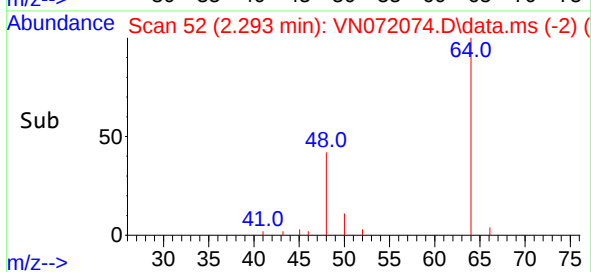
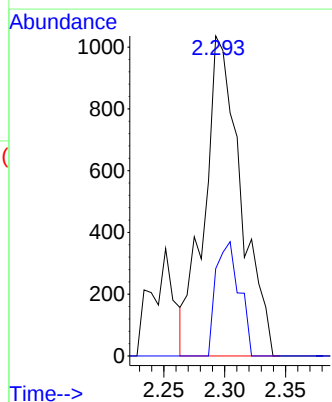
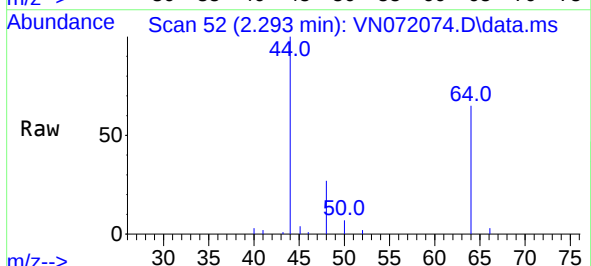


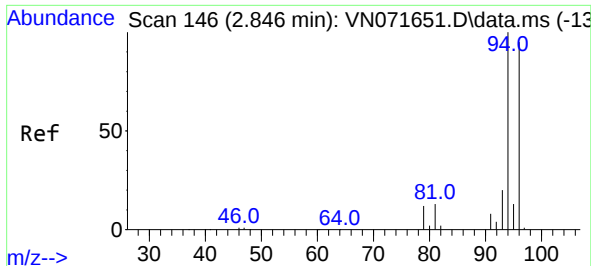
Tgt Ion:168 Resp: 525118
Ion Ratio Lower Upper
168 100
99 53.0 42.3 63.5



#3
Chloromethane
Concen: 0.405 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion: 50 Resp: 2143
Ion Ratio Lower Upper
50 100
52 27.3 25.7 38.5

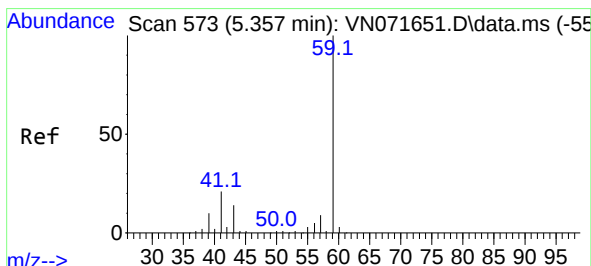
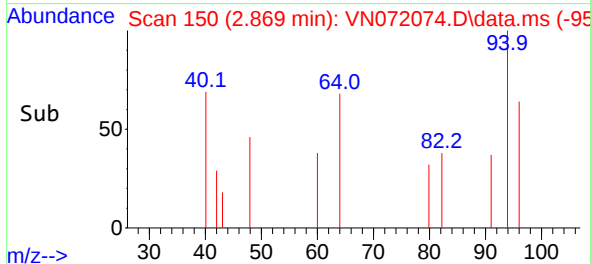
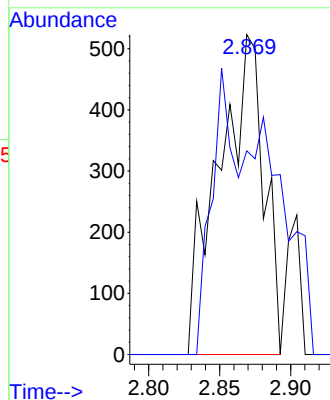
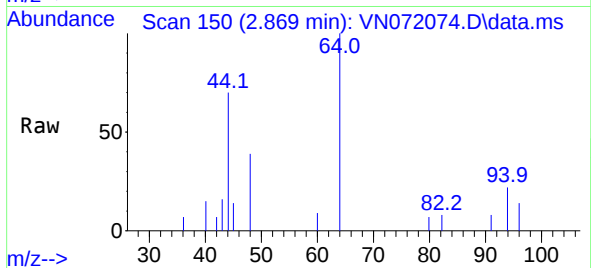




#5
Bromomethane
Concen: 0.307 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

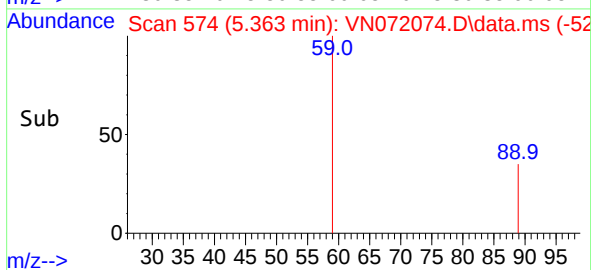
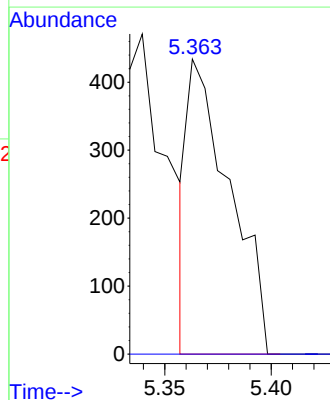
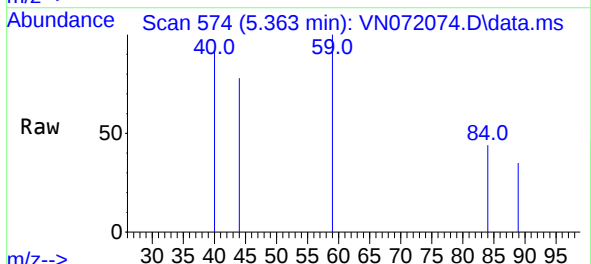
Instrument :
MSVOA_N
ClientSampleId :

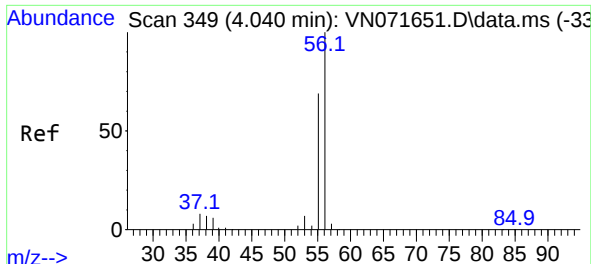
Tgt Ion: 94 Resp: 1159
Ion Ratio Lower Upper
94 100
96 63.7 76.0 114.0#



#11
Tert butyl alcohol
Concen: 0.615 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.006 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

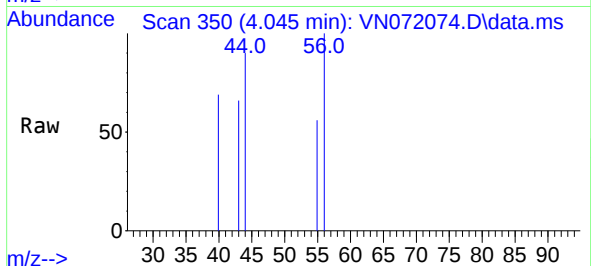
Tgt Ion: 59 Resp: 598
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



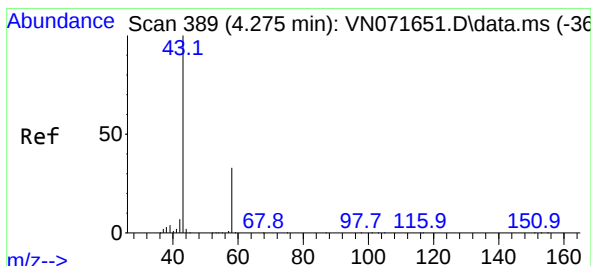
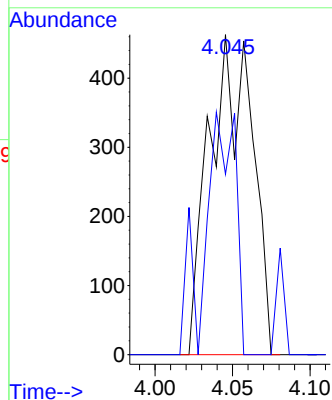
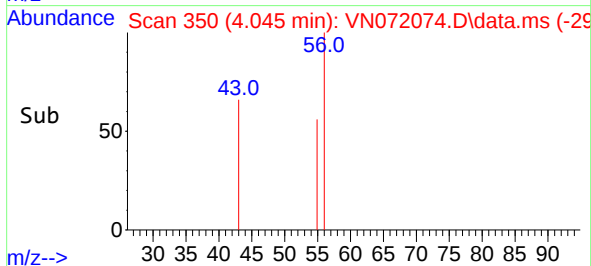


#13
Acrolein
Concen: 0.748 ug/l
RT: 4.045 min Scan# 311
Delta R.T. 0.005 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Instrument :
MSVOA_N
ClientSampleId :

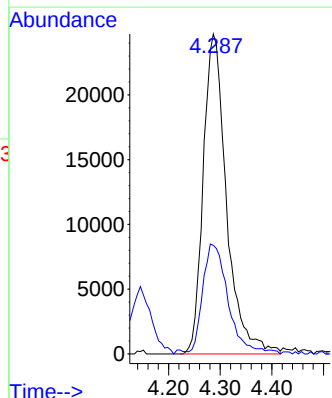
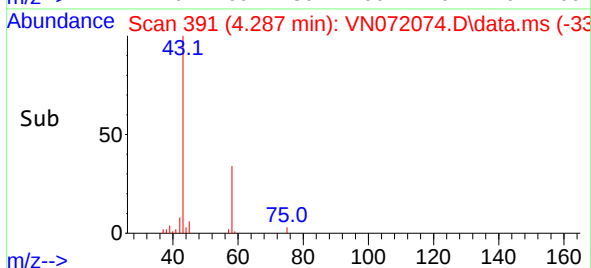
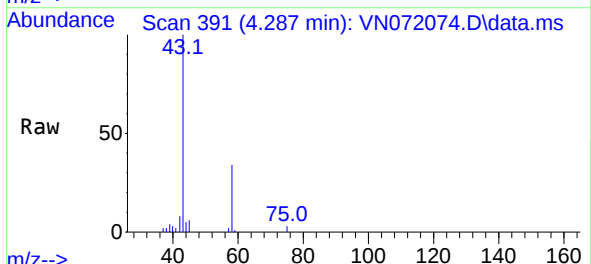


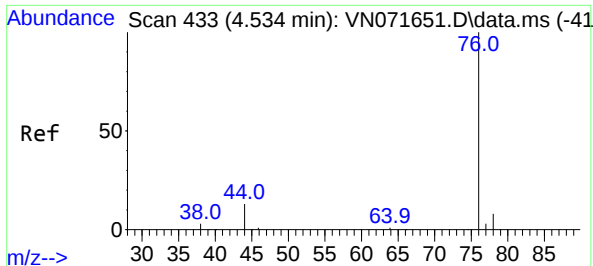
Tgt Ion: 56 Resp: 887
Ion Ratio Lower Upper
56 100
55 54.6 54.8 82.2#



#16
Acetone
Concen: 30.173 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

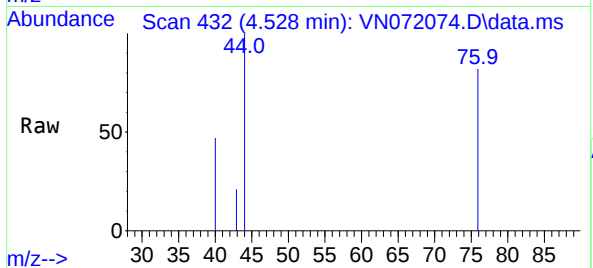
Tgt Ion: 43 Resp: 77303
Ion Ratio Lower Upper
43 100
58 33.9 26.0 39.0



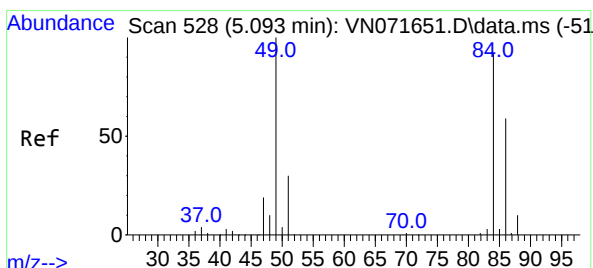
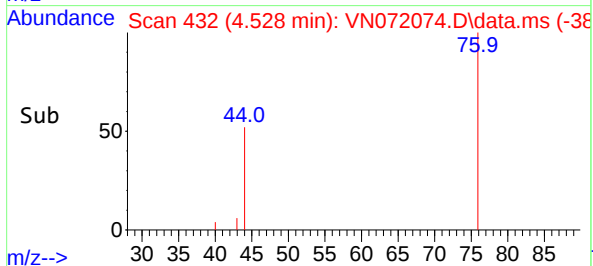
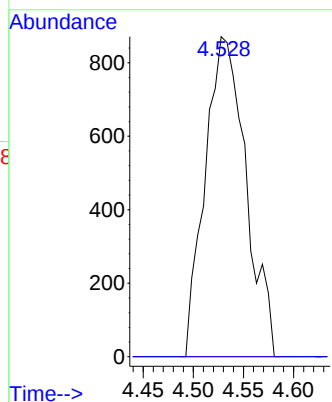


#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 4.528 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Instrument :
MSVOA_N
ClientSampleId :

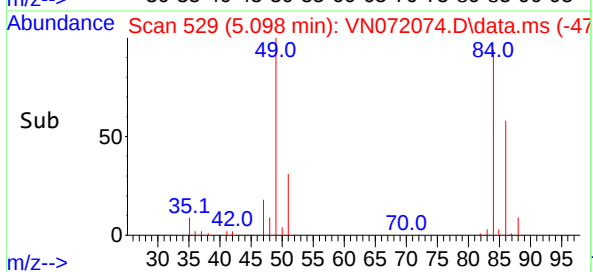
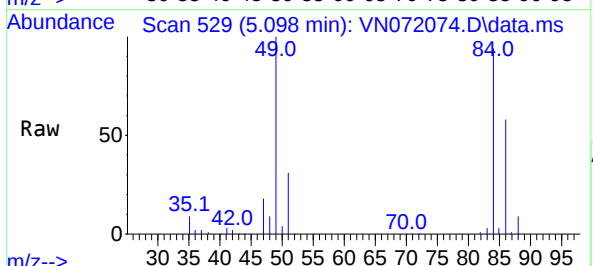
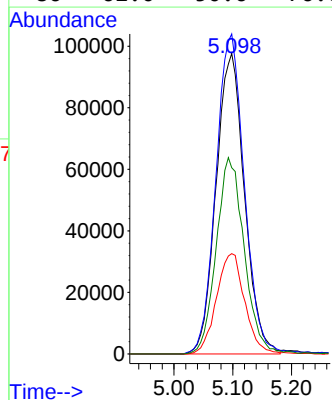


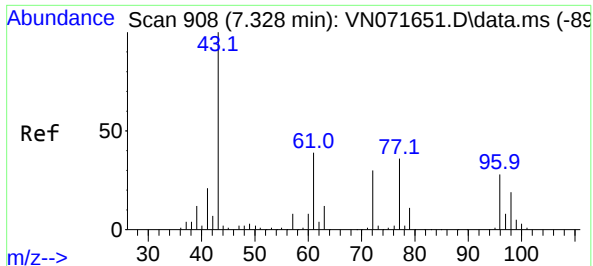
Tgt Ion: 76 Resp: 2467
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 60.707 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion: 84 Resp: 327816
Ion Ratio Lower Upper
84 100
49 106.5 88.3 132.5
51 33.4 28.2 42.2
86 62.0 50.6 76.0

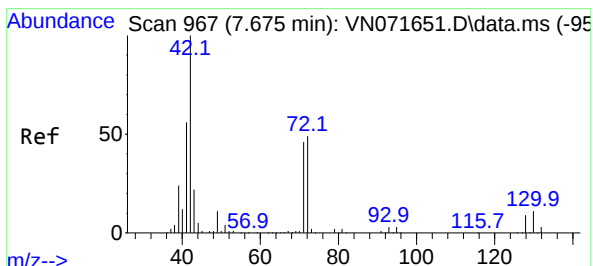
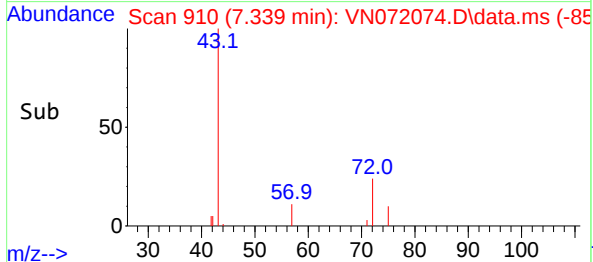
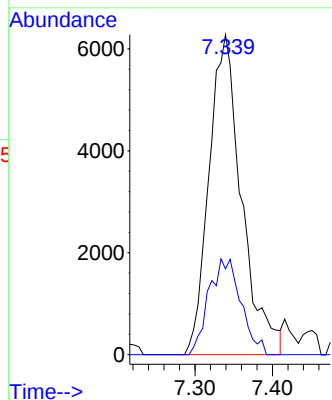
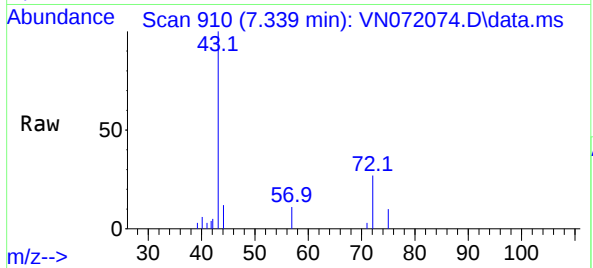




#25
2-Butanone
Concen: 4.968 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

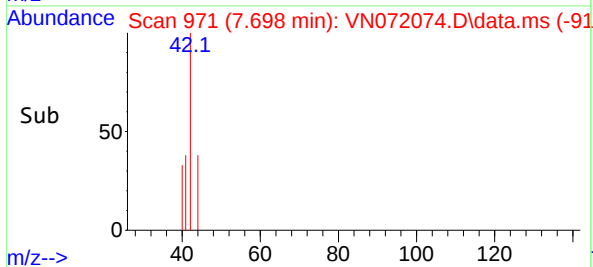
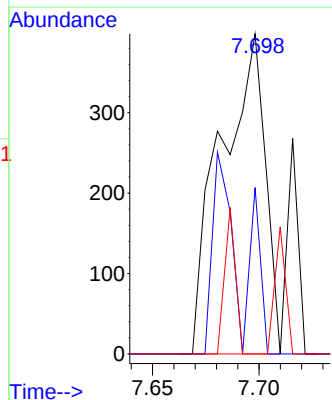
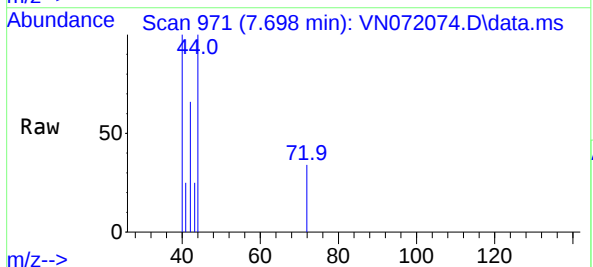
Instrument :
MSVOA_N
ClientSampleId :

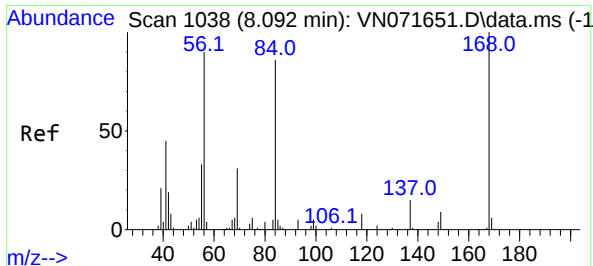
Tgt Ion: 43 Resp: 18350
Ion Ratio Lower Upper
43 100
72 26.8 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.242 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.023 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion: 42 Resp: 578
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 9.7 36.6 55.0#





#31

Cyclohexane

Concen: 1.185 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VN072074.D

Acq: 20 Apr 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

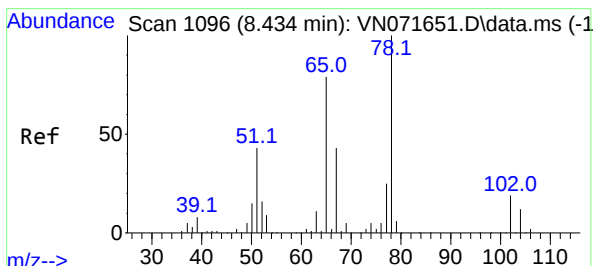
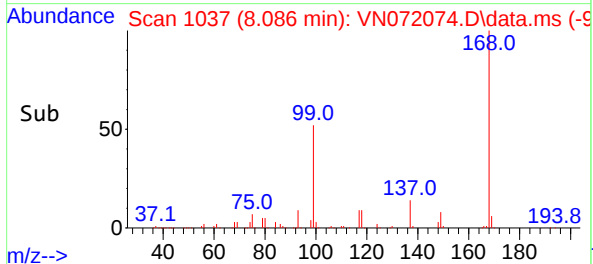
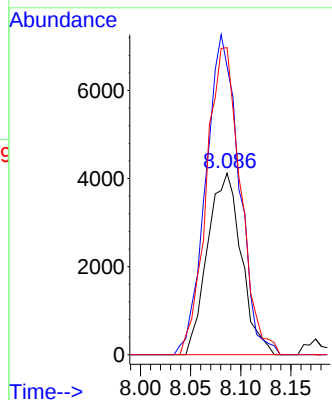
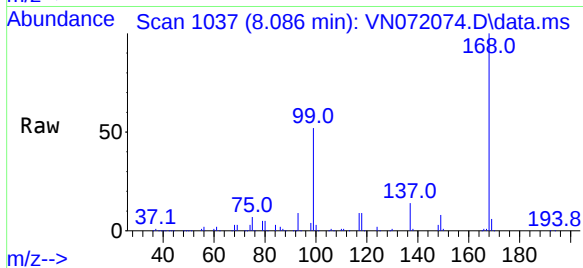
Tgt Ion: 56 Resp: 9660

Ion Ratio Lower Upper

56 100

69 158.7 27.8 41.8#

84 169.2 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 45.007 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072074.D

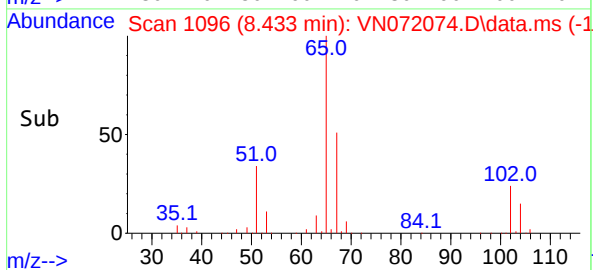
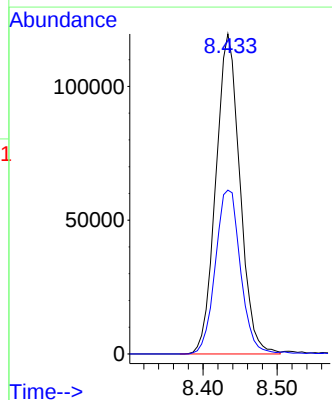
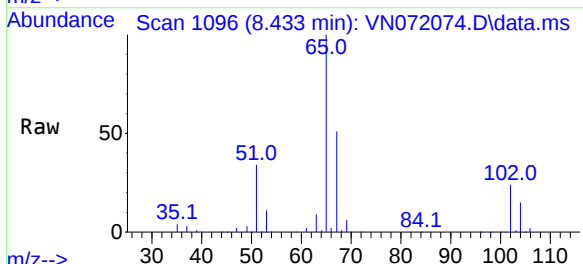
Acq: 20 Apr 2022 13:28

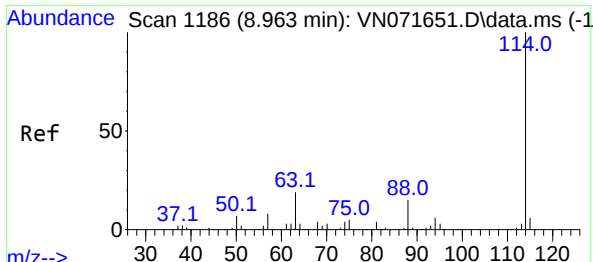
Tgt Ion: 65 Resp: 269810

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.8

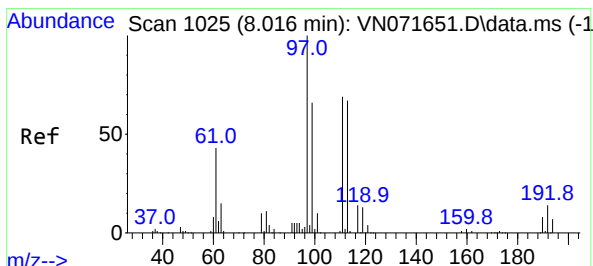
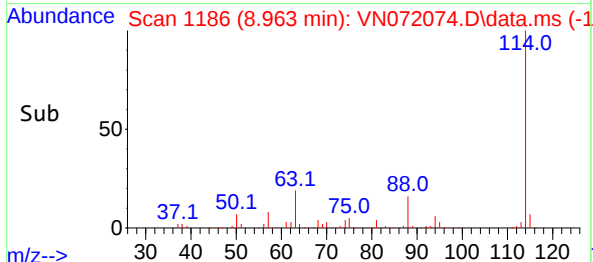
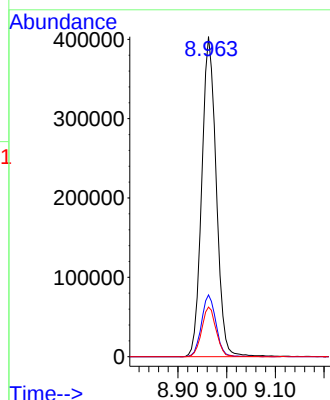
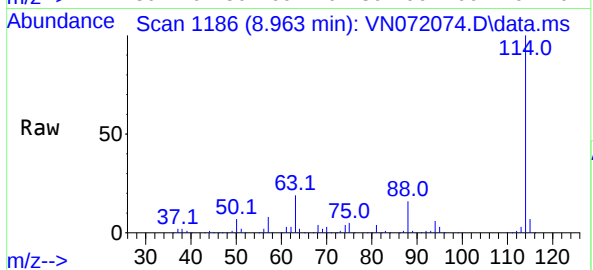




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

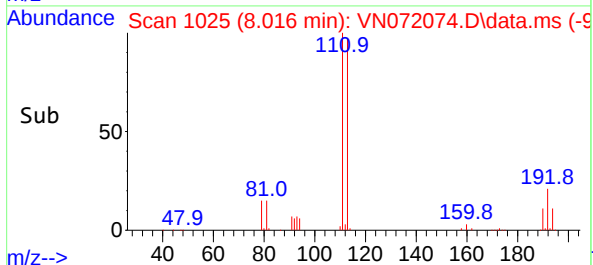
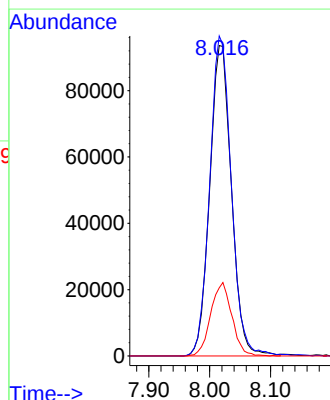
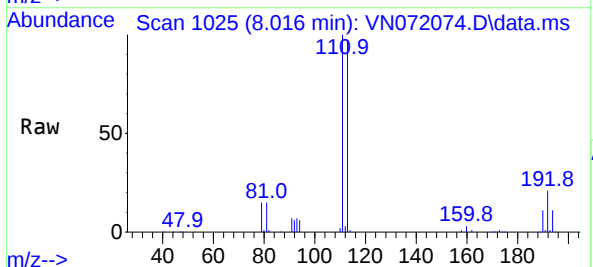
Instrument :
MSVOA_N
ClientSampleId :

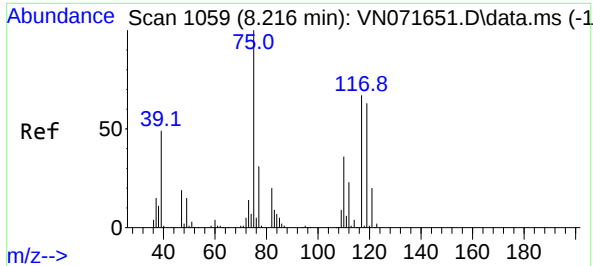
Tgt Ion:114 Resp: 834303
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 47.242 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion:113 Resp: 231931
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 23.1 17.0 25.6

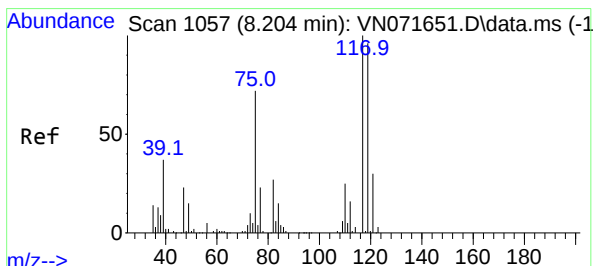
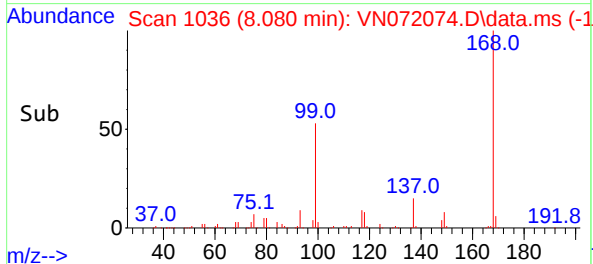
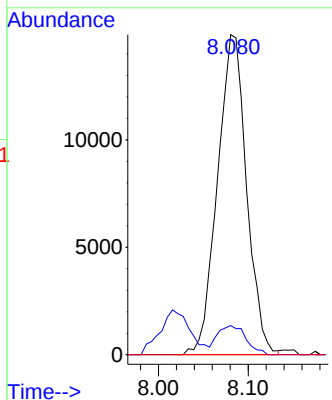
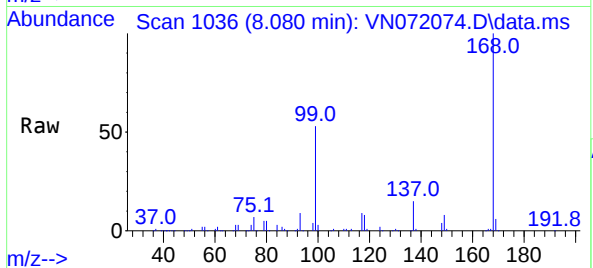




#36
1,1-Dichloropropene
Concen: 4.892 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

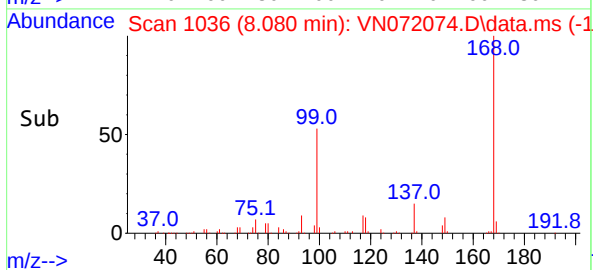
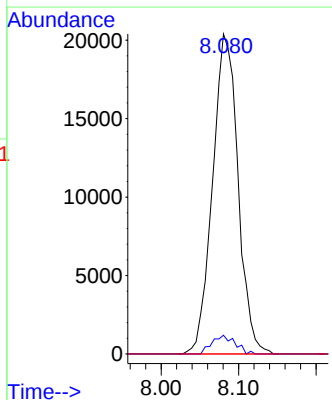
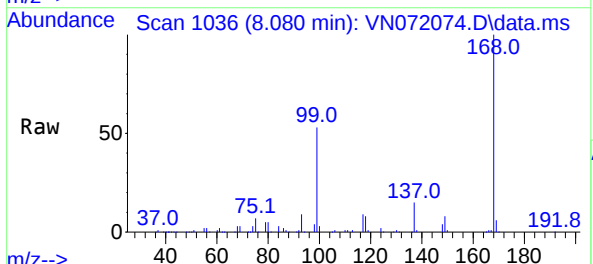
Instrument :
MSVOA_N
ClientSampleId :

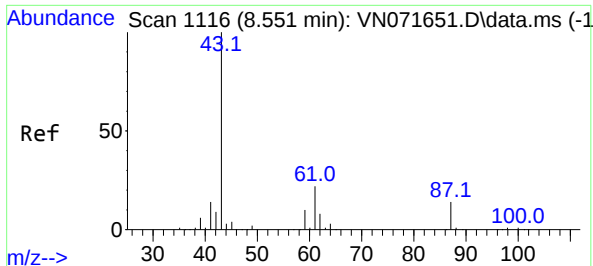
Tgt Ion: 75 Resp: 33539
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.939 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.124 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion: 117 Resp: 46626
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#

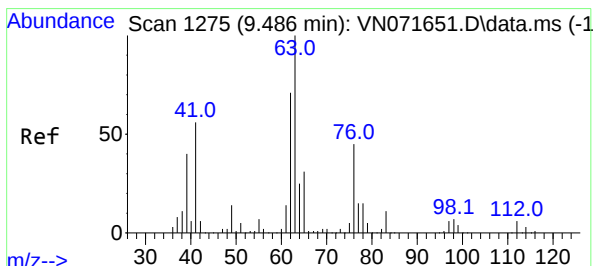
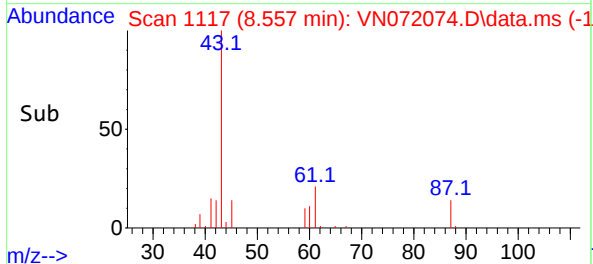
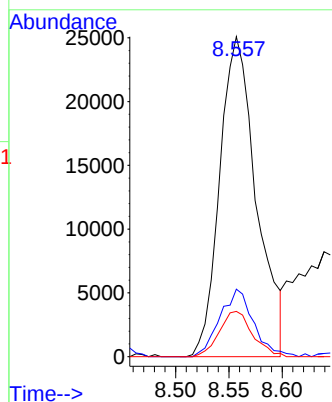
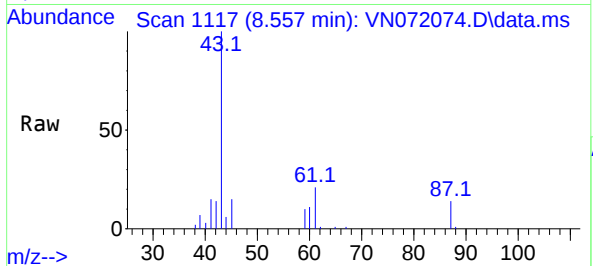




#43
Isopropyl Acetate
Concen: 4.822 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

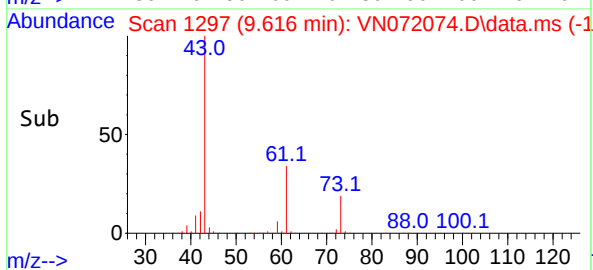
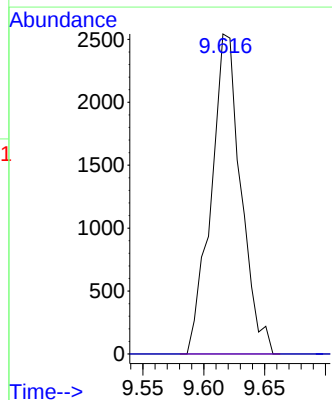
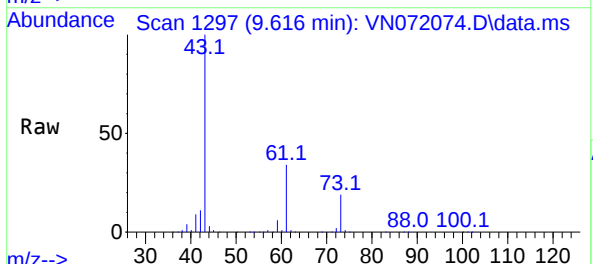
Instrument :
MSVOA_N
ClientSampleId :

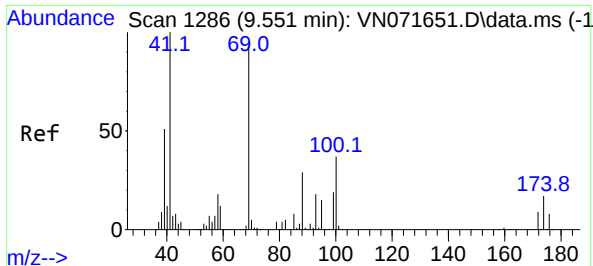
Tgt Ion: 43 Resp: 60187
Ion Ratio Lower Upper
43 100
61 19.3 21.9 32.9#
87 12.8 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.804 ug/l
RT: 9.616 min Scan# 1297
Delta R.T. 0.130 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion: 63 Resp: 4349
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#





#48

Methyl methacrylate

Concen: 2.763 ug/l

RT: 9.533 min Scan# 1

Delta R.T. -0.018 min

Lab File: VN072074.D

Acq: 20 Apr 2022 13:28

Instrument :

MSVOA_N

ClientSampleId :

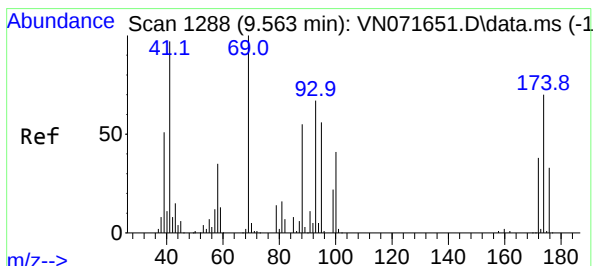
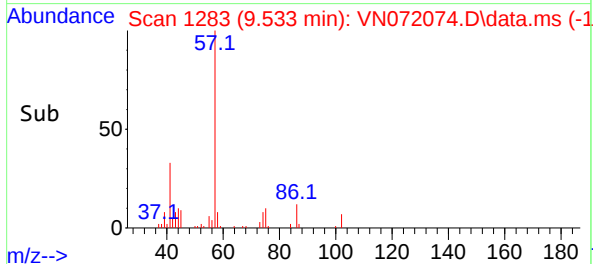
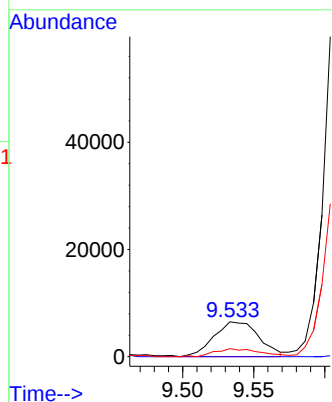
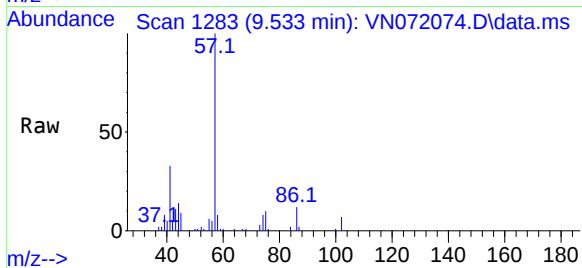
Tgt Ion: 41 Resp: 14307

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.622 min Scan# 1298

Delta R.T. 0.059 min

Lab File: VN072074.D

Acq: 20 Apr 2022 13:28

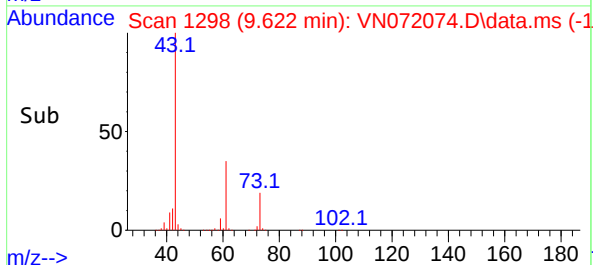
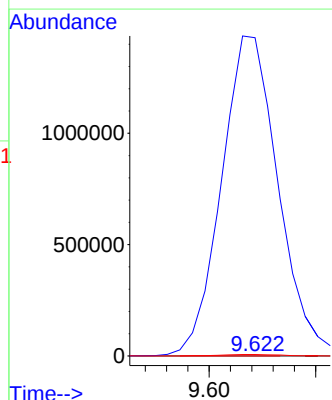
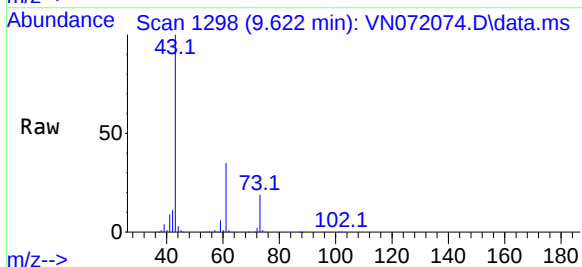
Tgt Ion: 88 Resp: 451

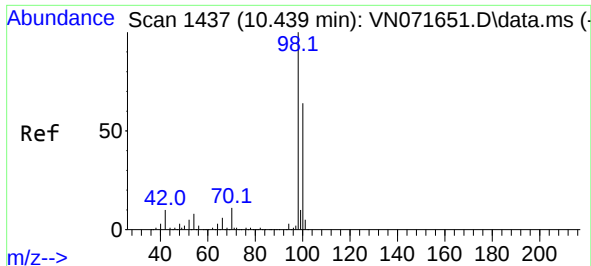
Ion Ratio Lower Upper

88 100

43 602840.8 20.2 30.4#

58 2771.4 54.2 81.4#

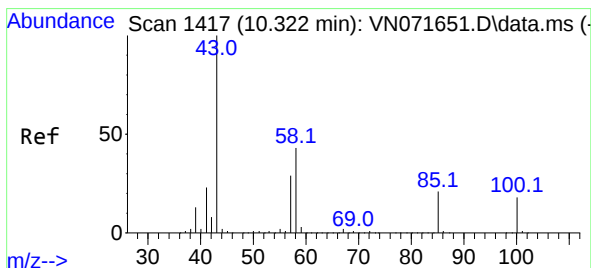
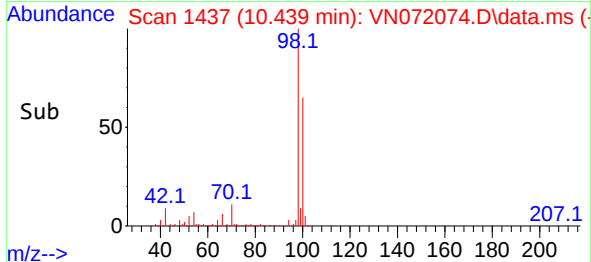
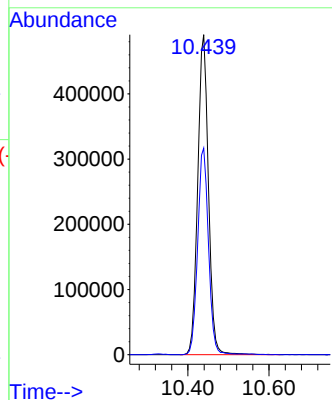
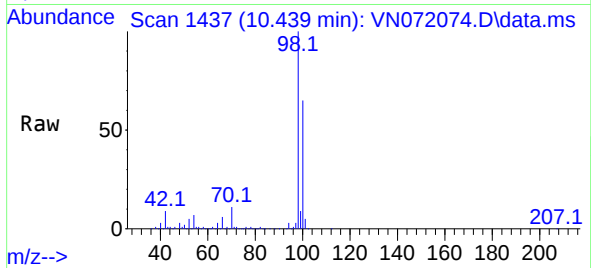




#50
Toluene-d8
Concen: 44.887 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

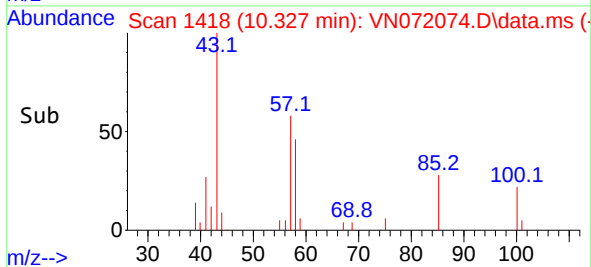
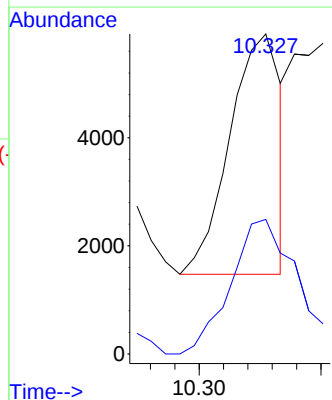
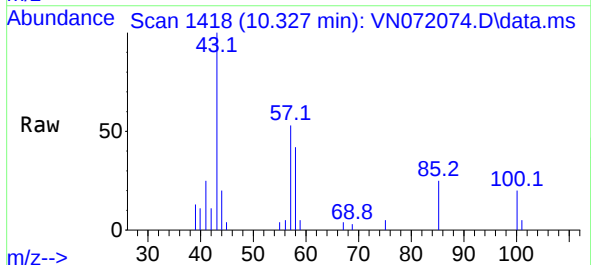
Instrument :
MSVOA_N
ClientSampleId :

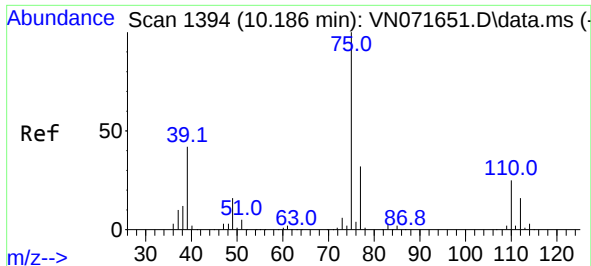
Tgt Ion: 98 Resp: 901465
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.905 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.005 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion: 43 Resp: 6492
Ion Ratio Lower Upper
43 100
58 75.7 34.1 51.1#

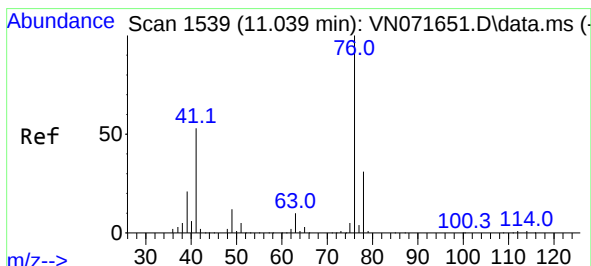
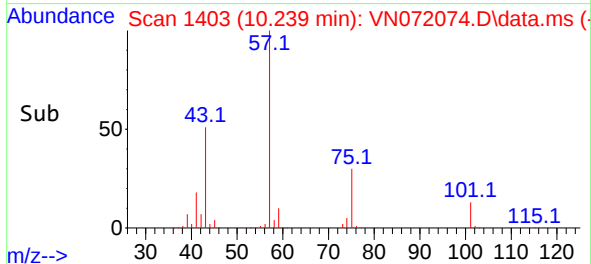
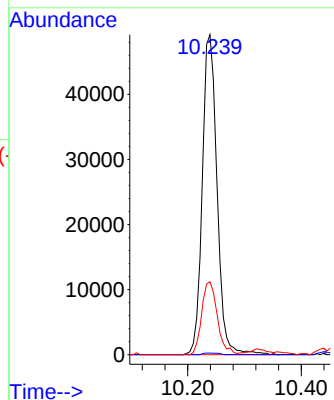
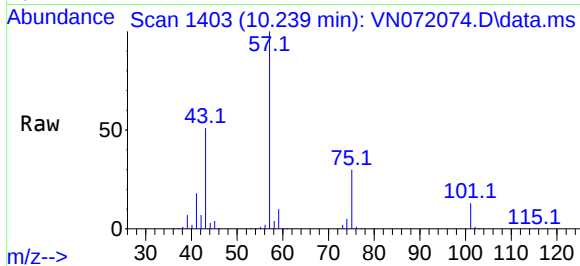




#54
 cis-1,3-Dichloropropene
 Concen: 10.564 ug/l
 RT: 10.239 min Scan# 1403
 Delta R.T. 0.053 min
 Lab File: VN072074.D
 Acq: 20 Apr 2022 13:28

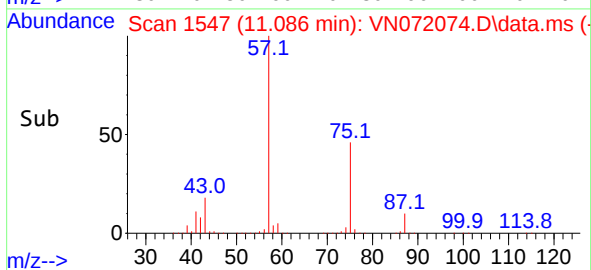
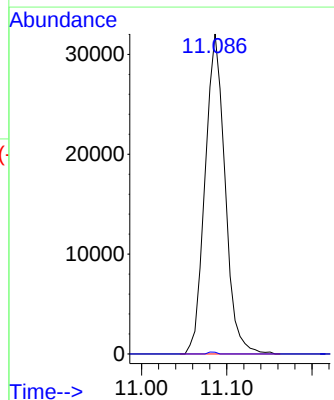
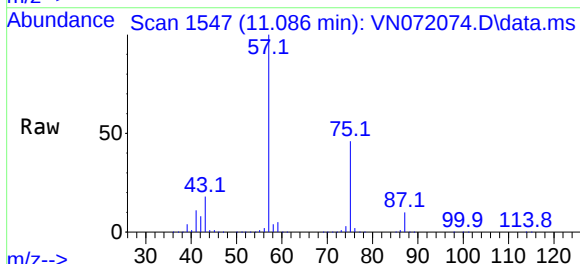
Instrument :
 MSVOA_N
 ClientSampleId :

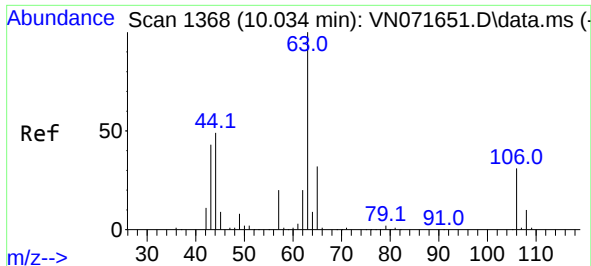
Tgt Ion: 75 Resp: 88461
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.2 37.8#
 39 22.8 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 5.549 ug/l
 RT: 11.086 min Scan# 1547
 Delta R.T. 0.047 min
 Lab File: VN072074.D
 Acq: 20 Apr 2022 13:28

Tgt Ion: 76 Resp: 52274
 Ion Ratio Lower Upper
 76 100
 78 0.3 26.2 39.2#

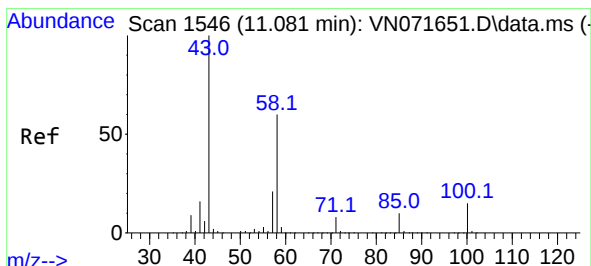
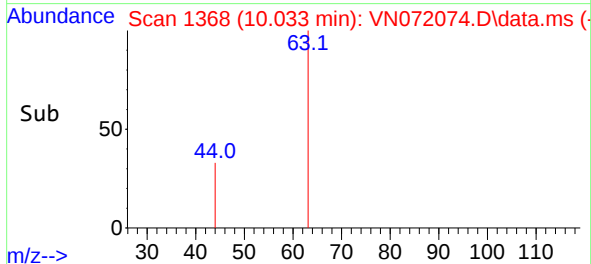
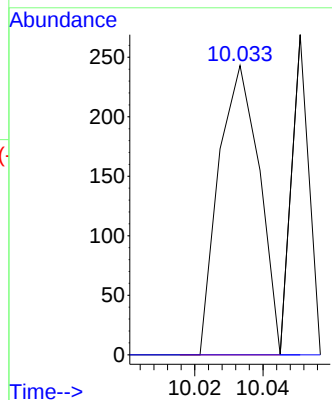
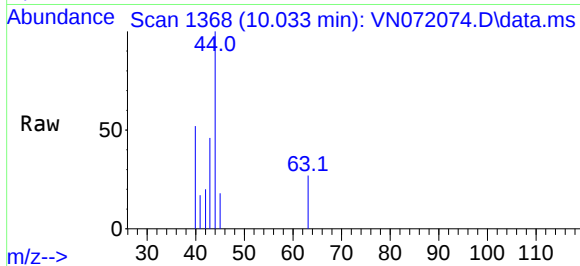




#58
2-Chloroethyl Vinyl ether
Concen: 17.042 ug/l
RT: 10.033 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

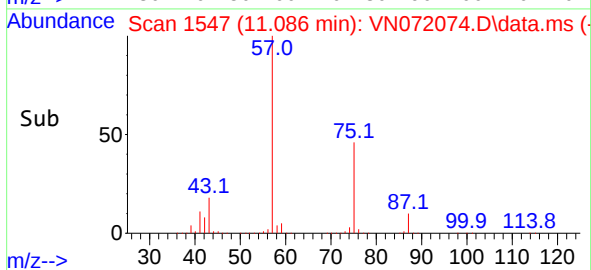
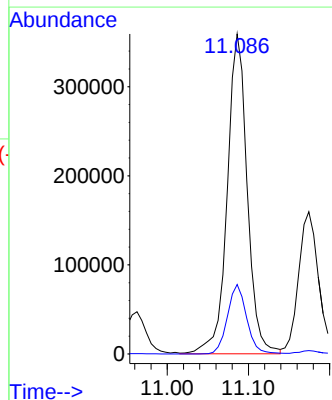
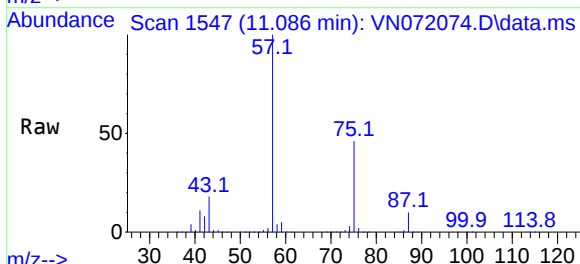
Instrument :
MSVOA_N
ClientSampleId :

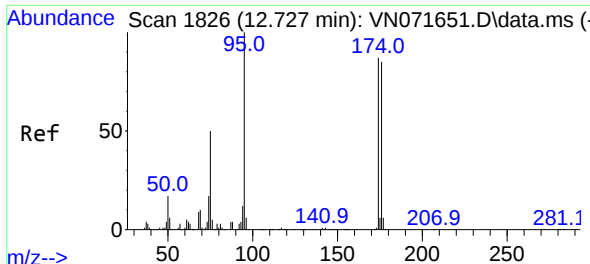
Tgt Ion: 63 Resp: 201
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#



#59
2-Hexanone
Concen: 122.141 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.005 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

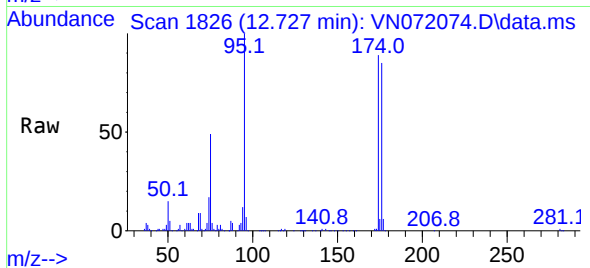
Tgt Ion: 43 Resp: 617091
Ion Ratio Lower Upper
43 100
58 20.8 29.7 89.1#



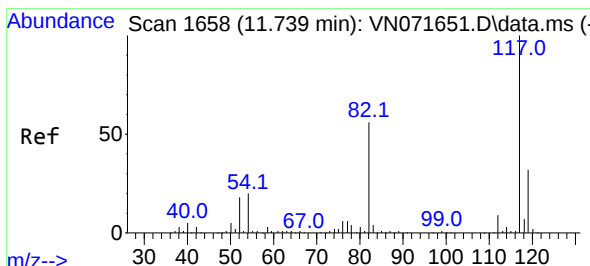
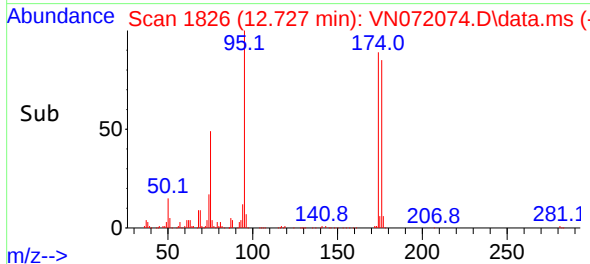
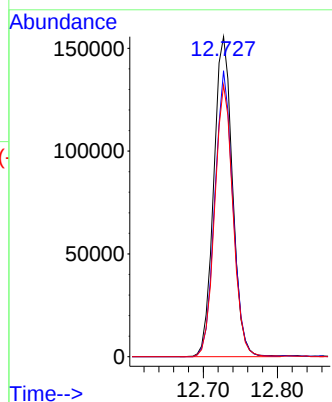


#62
4-Bromofluorobenzene
Concen: 42.045 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Instrument :
MSVOA_N
ClientSampleId :

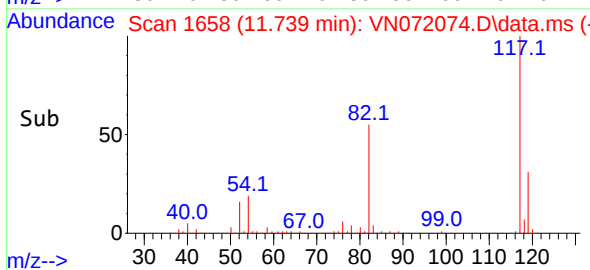
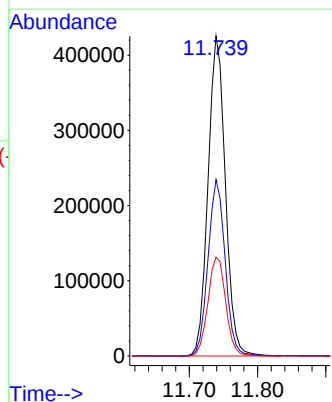
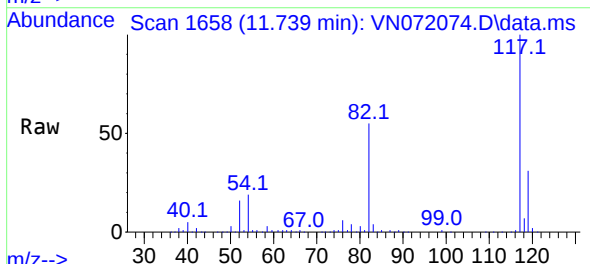


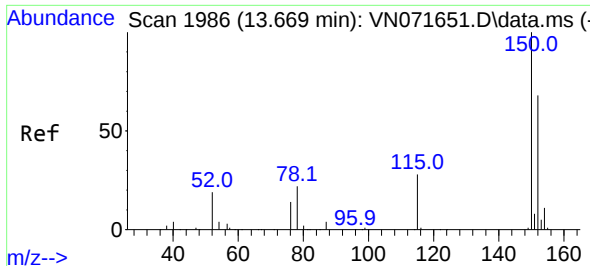
Tgt Ion: 95 Resp: 273092
Ion Ratio Lower Upper
95 100
174 86.1 0.0 167.6
176 82.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

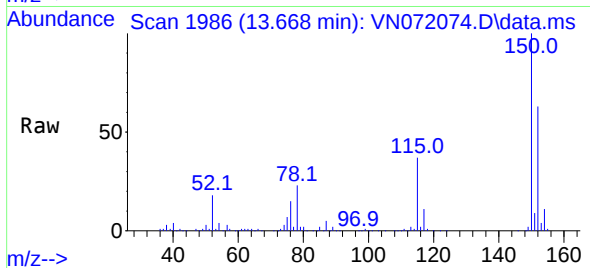
Tgt Ion: 117 Resp: 751148
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 30.9 25.4 38.0



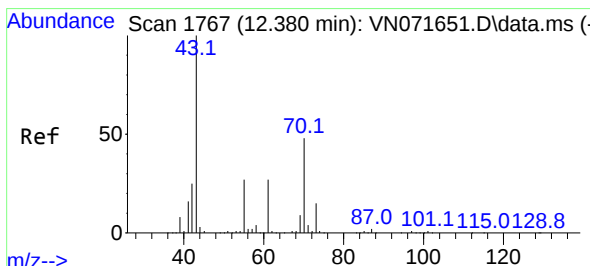
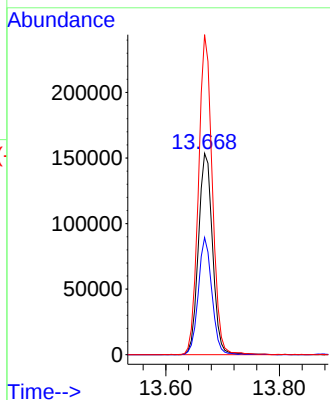
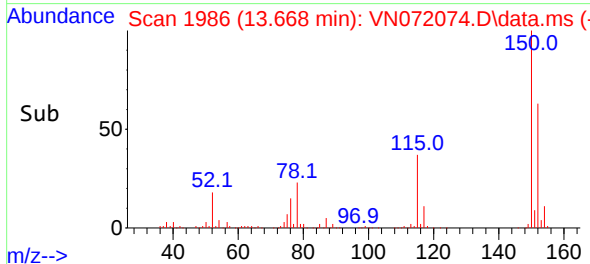


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

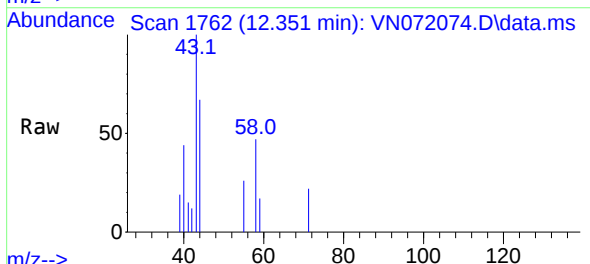
Instrument :
MSVOA_N
ClientSampleId :



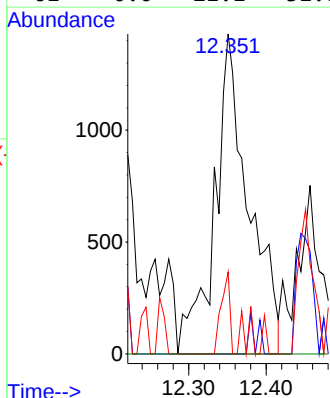
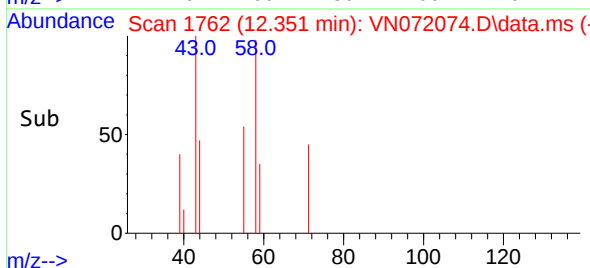
Tgt Ion:152 Resp: 265231
Ion Ratio Lower Upper
152 100
115 55.7 28.9 86.7
150 155.7 0.0 356.2

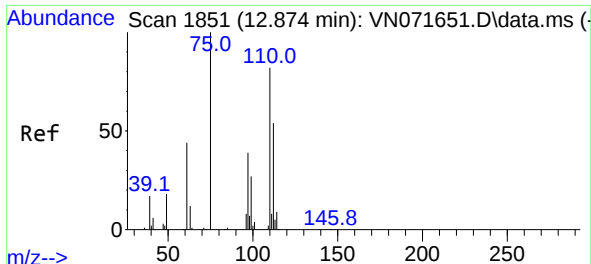


#74
N-ethyl acetate
Concen: 0.681 ug/l
RT: 12.351 min Scan# 1762
Delta R.T. -0.029 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28



Tgt Ion: 43 Resp: 4361
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 6.5 21.1 31.7#
61 0.0 21.1 31.7#

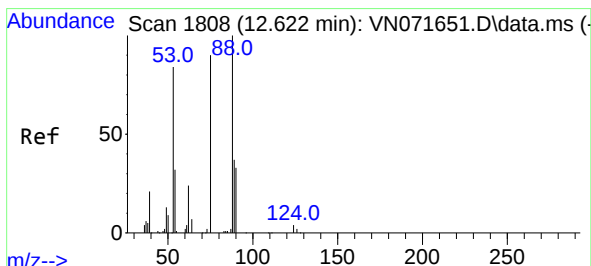
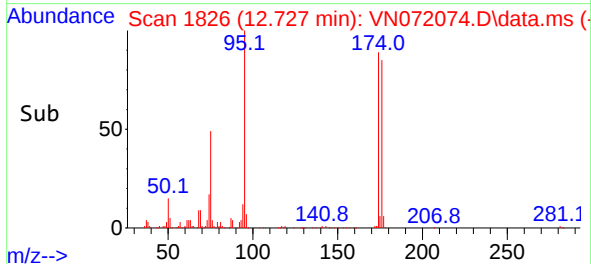
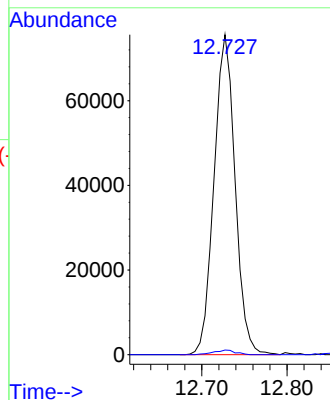
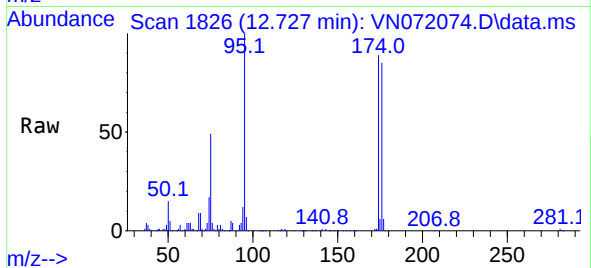




#76
1,2,3-Trichloropropane
Concen: 21.106 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

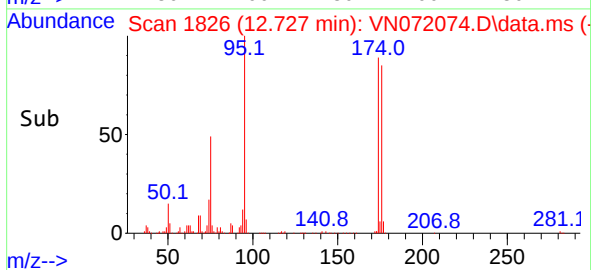
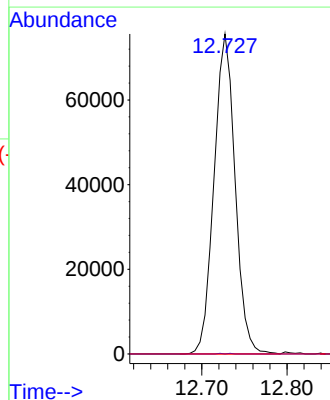
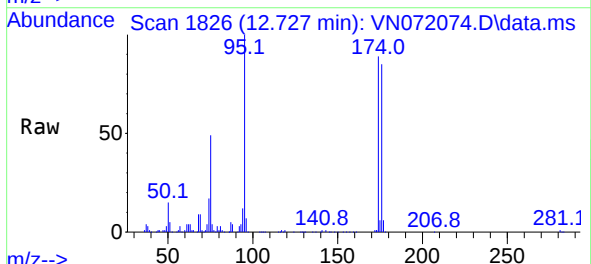
Instrument :
MSVOA_N
ClientSampleId :

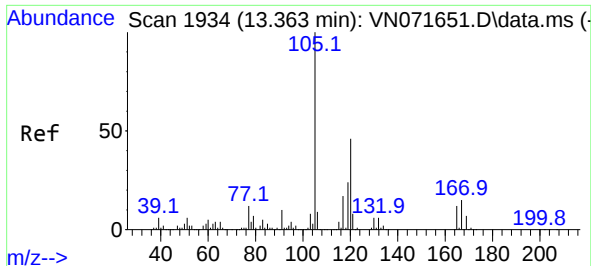
Tgt Ion: 75 Resp: 129679
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.406 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

Tgt Ion: 75 Resp: 129679
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#

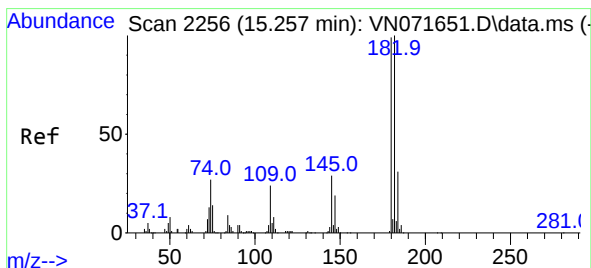
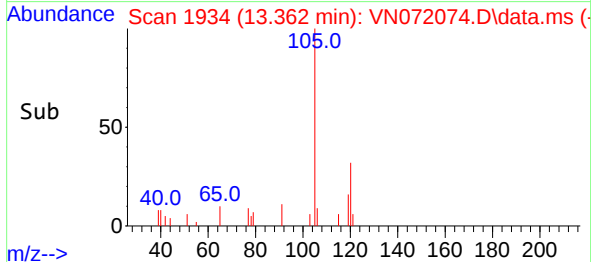
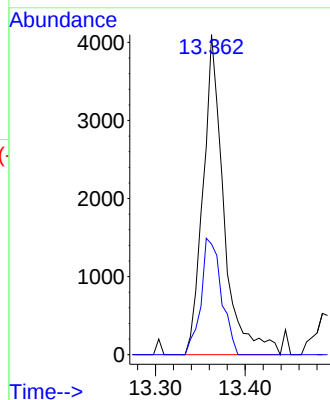
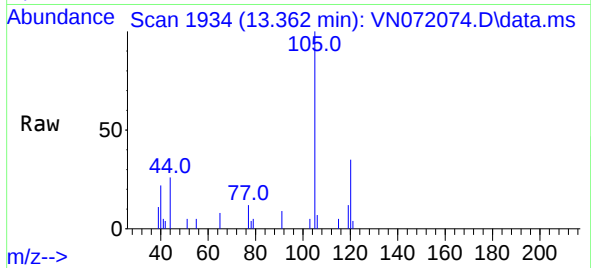




#84
1,2,4-Trimethylbenzene
Concen: 0.381 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

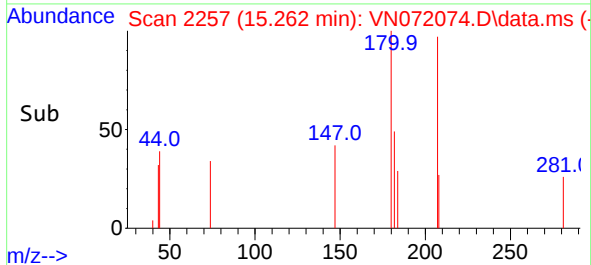
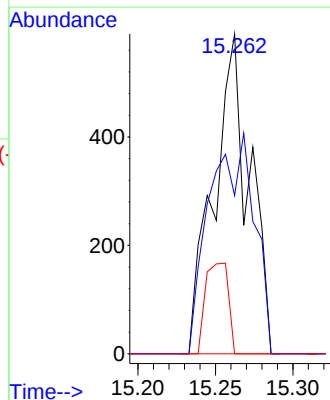
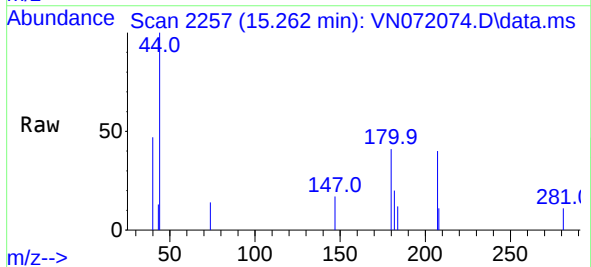
Instrument :
MSVOA_N
ClientSampleId :

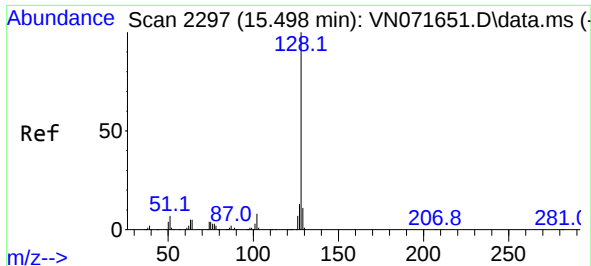
Tgt Ion:105 Resp: 6580
Ion Ratio Lower Upper
105 100
120 35.8 23.3 69.8



#93
1,2,4-Trichlorobenzene
Concen: 2.299 ug/l
RT: 15.262 min Scan# 2257
Delta R.T. 0.005 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

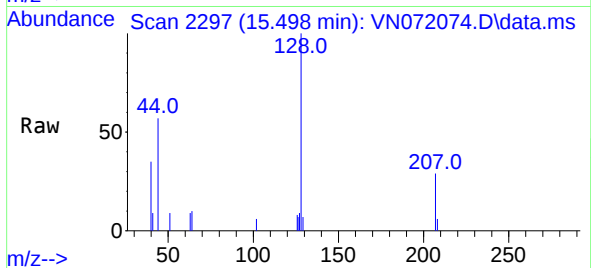
Tgt Ion:180 Resp: 940
Ion Ratio Lower Upper
180 100
182 86.2 47.5 142.5
145 18.2 14.5 43.5



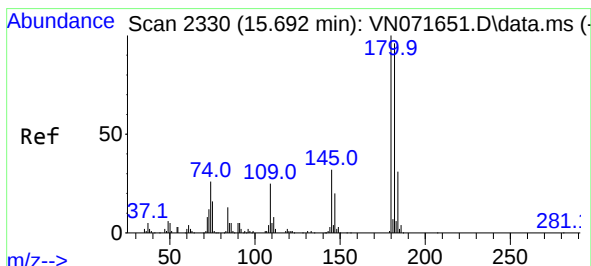
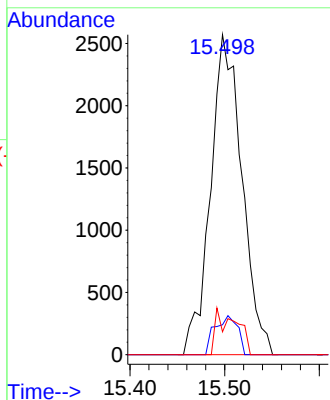
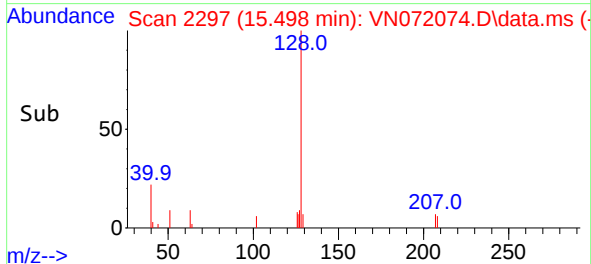


#95
Naphthalene
Concen: 4.256 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28

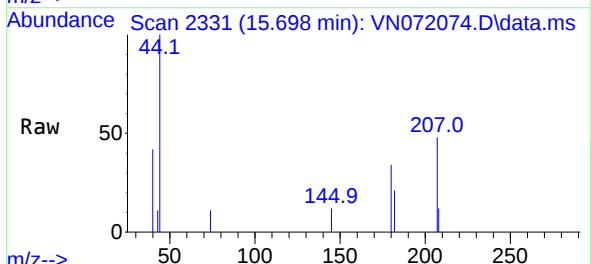
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 5927
Ion Ratio Lower Upper
128 100
127 8.8 10.3 15.5#
129 9.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.604 ug/l
RT: 15.698 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN072074.D
Acq: 20 Apr 2022 13:28



Tgt Ion:180 Resp: 816
Ion Ratio Lower Upper
180 100
182 97.2 47.8 143.3
145 37.0 15.5 46.5

