

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061121\
 Data File : VN067284.D
 Acq On : 11 Jun 2021 13:29
 Operator : JC/MD
 Sample : M2645-01
 Misc : 1.04g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 23892ME

Quant Time: Jun 12 04:25:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061021W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 05:27:41 2021
 Response via : Initial Calibration

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

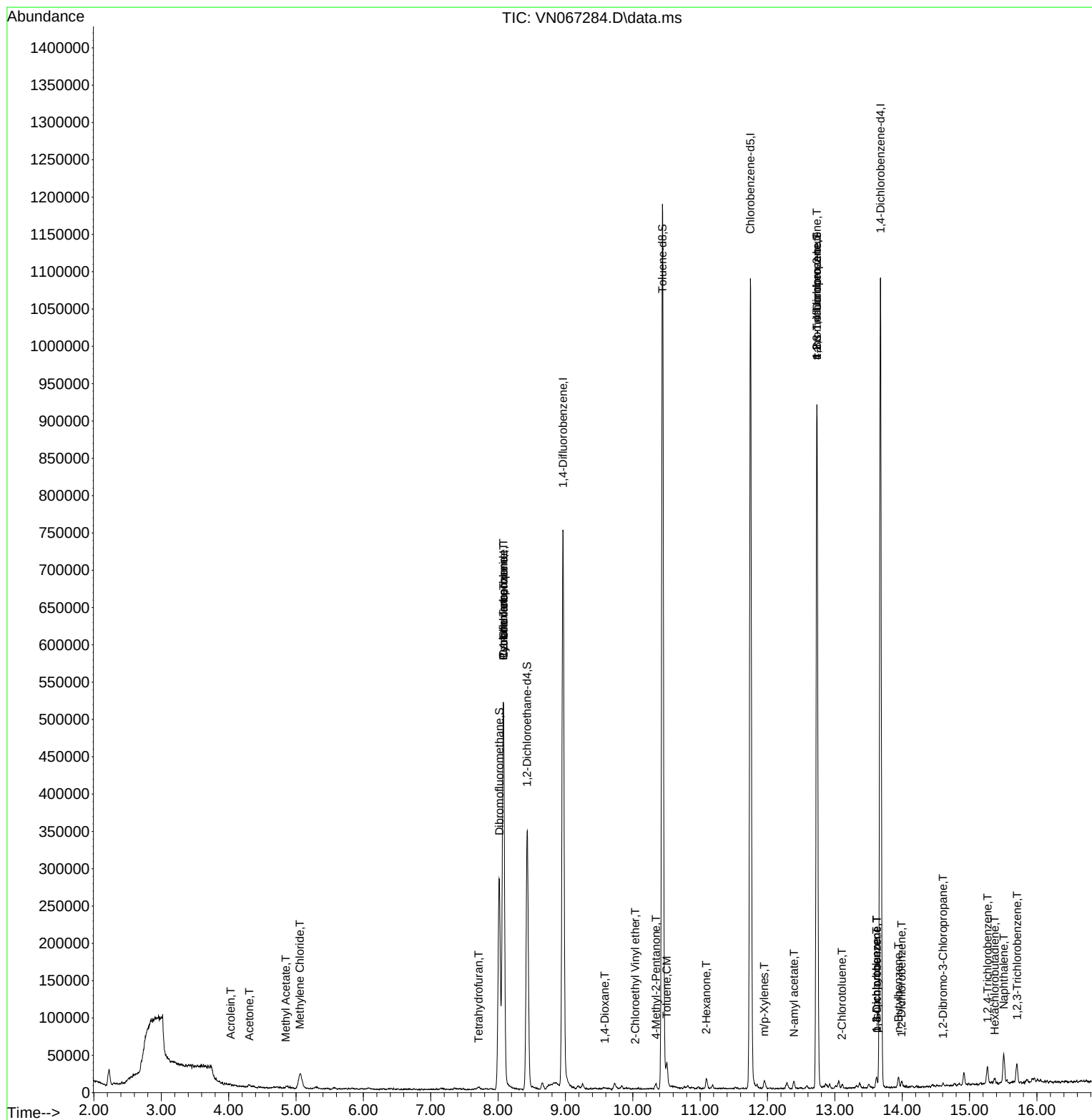
Internal Standards						
1) Pentafluorobenzene	8.080	168	354646	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.965	114	626544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	583464	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	253954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	311433	46.460	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.920%
35) Dibromofluoromethane	8.019	113	201373	50.437	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.880%
50) Toluene-d8	10.441	98	802607	51.154	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.300%
62) 4-Bromofluorobenzene	12.734	95	337490	51.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.380%
Target Compounds						Qvalue
13) Acrolein	4.031	56	164	0.358	ug/l	# 16
16) Acetone	4.307	43	4758	1.758	ug/l	89
18) Methyl Acetate	4.849	43	1913	0.254	ug/l	96
20) Methylene Chloride	5.058	84	16777	3.456	ug/l	# 86
29) Tetrahydrofuran	7.713	42	3098	1.331	ug/l	# 80
31) Cyclohexane	8.080	56	11129	1.349	ug/l	# 41
36) 1,1-Dichloropropene	8.078	75	36644	5.522	ug/l	# 49
38) Carbon Tetrachloride	8.078	117	44747	6.467	ug/l	# 14
49) 1,4-Dioxane	9.585	88	252	3.252	ug/l	# 75
51) 4-Methyl-2-Pentanone	10.344	43	5551	0.677	ug/l	# 87
52) Toluene	10.502	92	6391	0.535	ug/l	96
58) 2-Chloroethyl Vinyl ether	10.038	63	218	28.177	ug/l	# 45
59) 2-Hexanone	11.090	43	10446	1.764	ug/l	83
68) m/p-Xylenes	11.950	106	2749	0.314	ug/l	# 65
74) N-amyl acetate	12.393	43	6303	0.536	ug/l	# 89
76) 1,2,3-Trichloropropane	12.734	75	196445	29.119	ug/l	# 100
79) 2-Chlorotoluene	13.106	91	3971	0.232	ug/l	81
81) trans-1,4-Dichloro-2-b...	12.734	75	196445	74.488	ug/l	# 15
86) p-Isopropyltoluene	13.619	119	4202	0.212	ug/l	# 82
87) 1,3-Dichlorobenzene	13.621	146	2358	0.272	ug/l	93
88) 1,4-Dichlorobenzene	13.621	146	2358	0.277	ug/l	94
89) n-Butylbenzene	13.943	91	8599	0.471	ug/l	91
91) 1,2-Dichlorobenzene	13.991	146	2679	0.325	ug/l	88
92) 1,2-Dibromo-3-Chloropr...	14.606	75	872	0.508	ug/l	55
93) 1,2,4-Trichlorobenzene	15.268	180	6011	1.419	ug/l	92
94) Hexachlorobutadiene	15.373	225	1219	0.493	ug/l	92
95) Naphthalene	15.507	128	32073	6.723	ug/l	98
96) 1,2,3-Trichlorobenzene	15.705	180	6861	1.748	ug/l	96

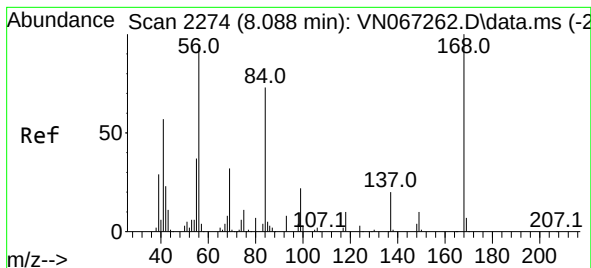
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.080 min Scan# 2271

Delta R.T. -0.008 min

Lab File: VN067284.D

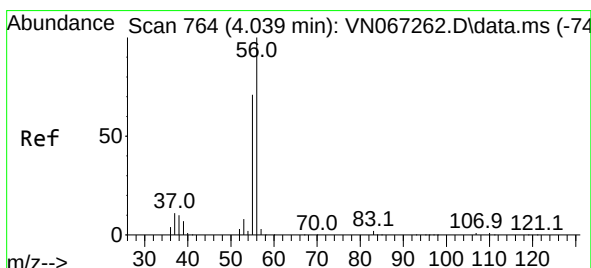
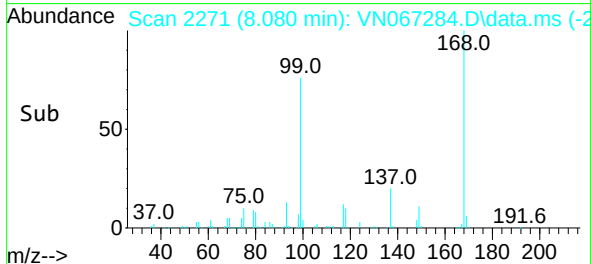
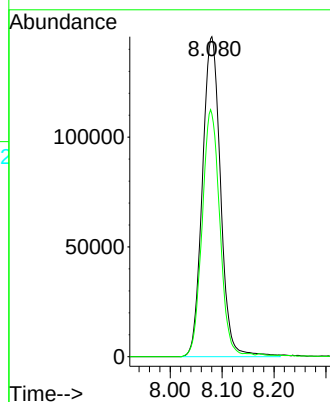
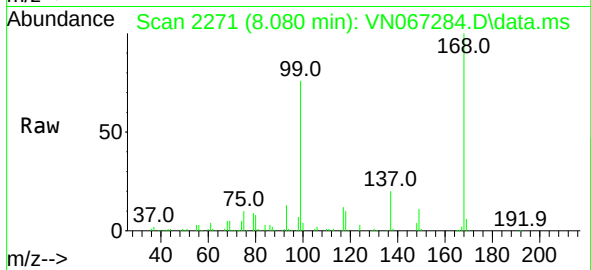
Acq: 11 Jun 2021 13:29

Tgt Ion:168 Resp: 354646

Ion Ratio Lower Upper

168 100

99 75.9 38.5 57.7#



#13

Acrolein

Concen: 0.358 ug/l

RT: 4.031 min Scan# 761

Delta R.T. -0.008 min

Lab File: VN067284.D

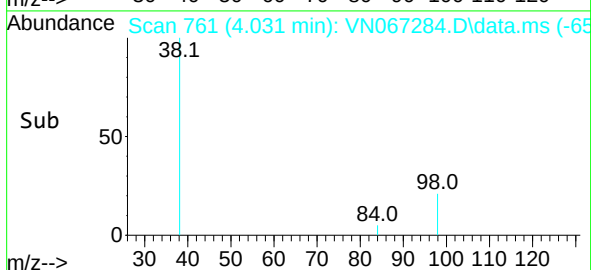
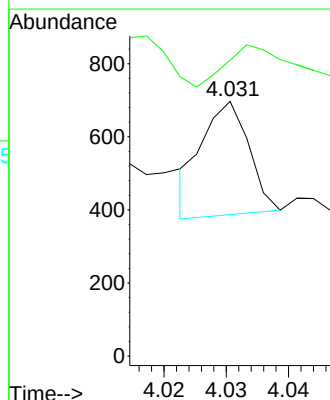
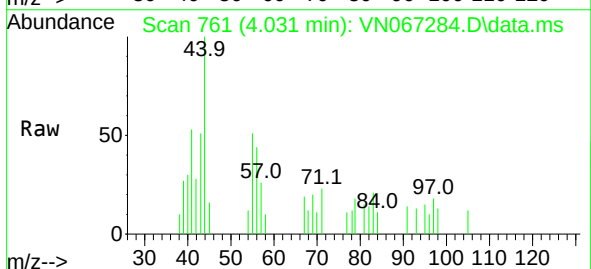
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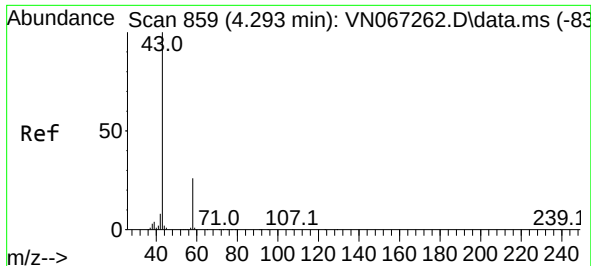
Tgt Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 0.0 53.8 80.6#

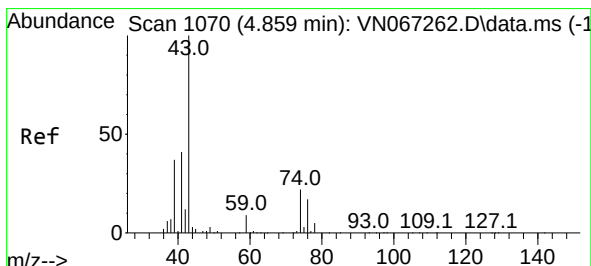
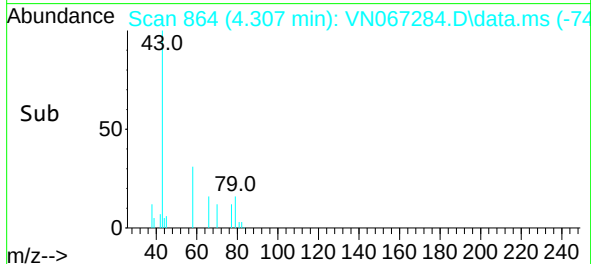
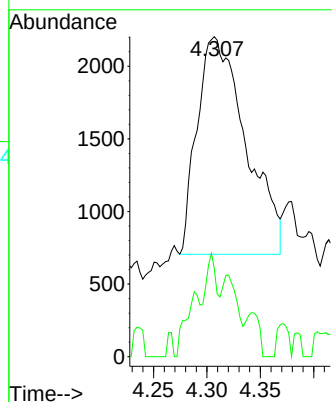
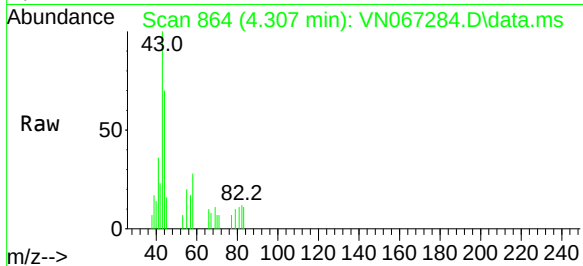




#16
Acetone
Concen: 1.758 ug/l
RT: 4.307 min Scan# 864
Delta R.T. 0.013 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

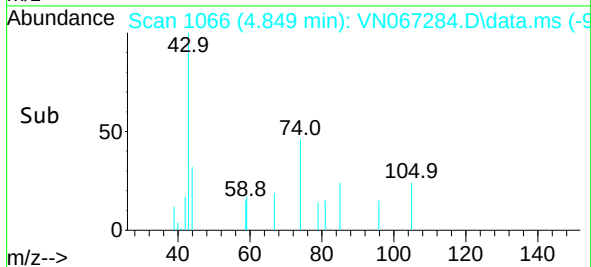
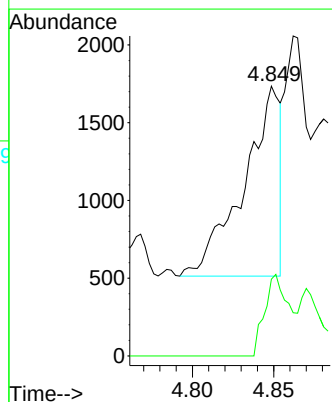
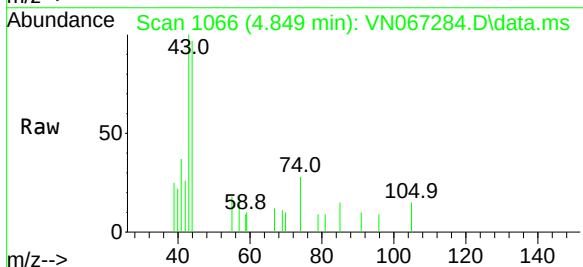
Instrument :
MSVOA_N
ClientSampleId :
23892ME

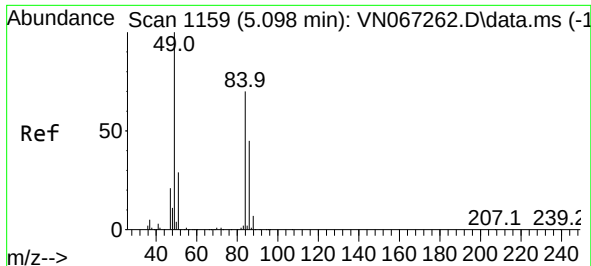
Tgt Ion: 43 Resp: 4758
Ion Ratio Lower Upper
43 100
58 27.4 27.2 40.8



#18
Methyl Acetate
Concen: 0.254 ug/l
RT: 4.849 min Scan# 1066
Delta R.T. -0.011 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
74 29.1 21.4 32.2





#20

Methylene Chloride

Concen: 3.456 ug/l

RT: 5.058 min Scan# 1144

Delta R.T. -0.040 min

Lab File: VN067284.D

Acq: 11 Jun 2021 13:29

Instrument :

MSVOA_N

ClientSampleId :

23892ME

Tgt Ion: 84 Resp: 16777

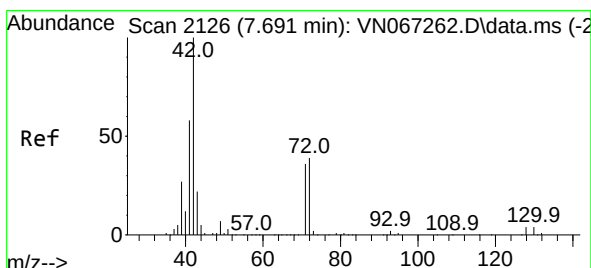
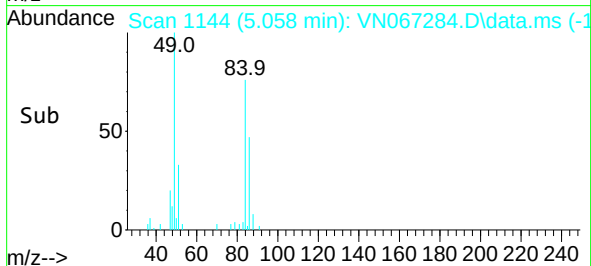
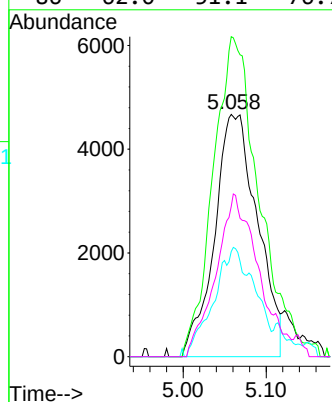
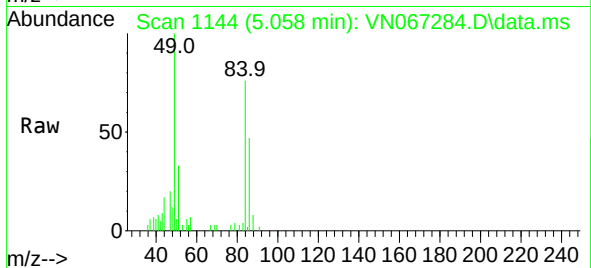
Ion Ratio Lower Upper

84 100

49 132.1 88.3 132.5

51 43.4 26.7 40.1#

86 62.0 51.1 76.7



#29

Tetrahydrofuran

Concen: 1.331 ug/l

RT: 7.713 min Scan# 2134

Delta R.T. 0.022 min

Lab File: VN067284.D

Acq: 11 Jun 2021 13:29

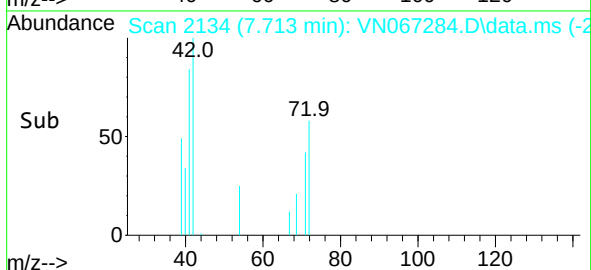
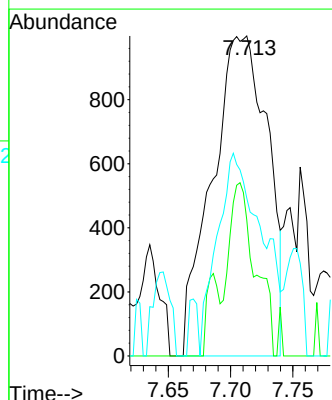
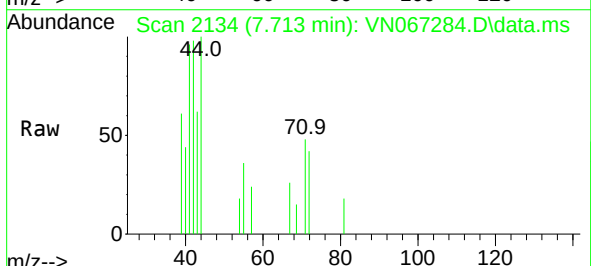
Tgt Ion: 42 Resp: 3098

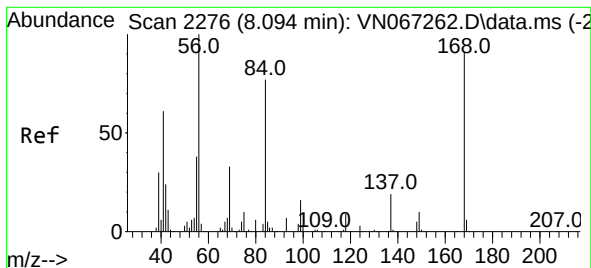
Ion Ratio Lower Upper

42 100

72 26.1 40.1 60.1#

71 44.4 37.9 56.9

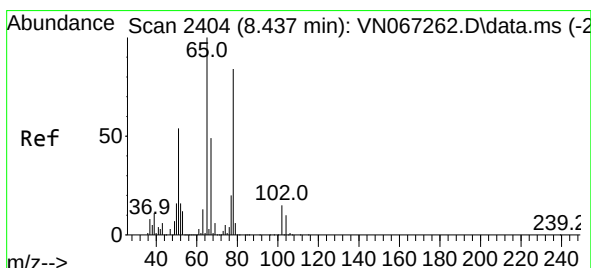
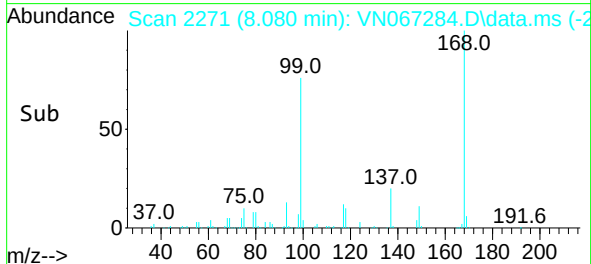
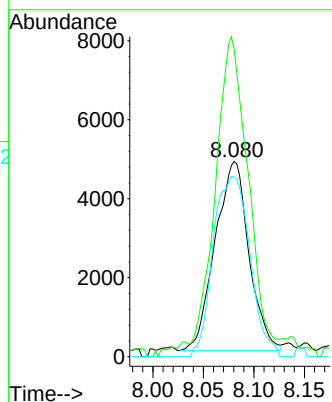
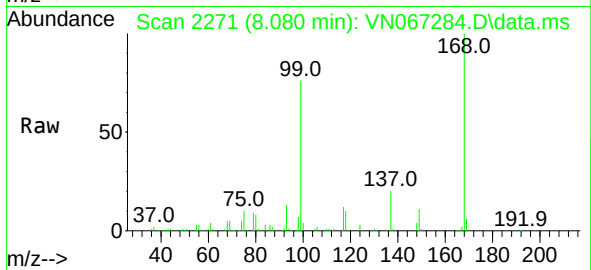




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.013 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

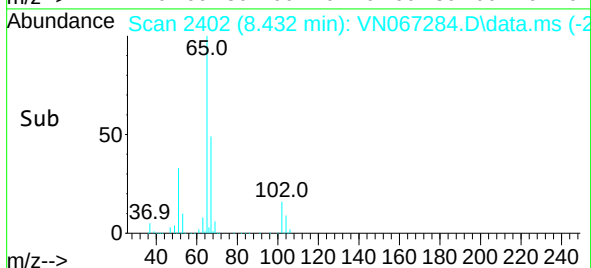
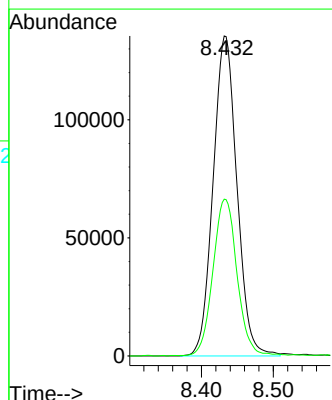
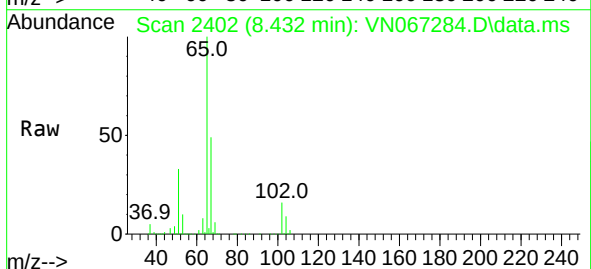
Instrument :
MSVOA_N
ClientSampleId :
23892ME

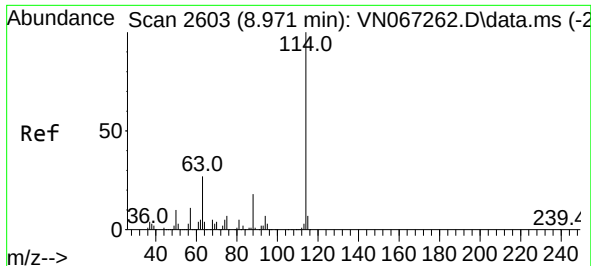
Tgt Ion: 56 Resp: 11129
Ion Ratio Lower Upper
56 100
69 157.0 28.0 42.0#
84 95.0 74.2 111.2



#33
1,2-Dichloroethane-d4
Concen: 46.460 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion: 65 Resp: 311433
Ion Ratio Lower Upper
65 100
67 49.2 0.0 110.4

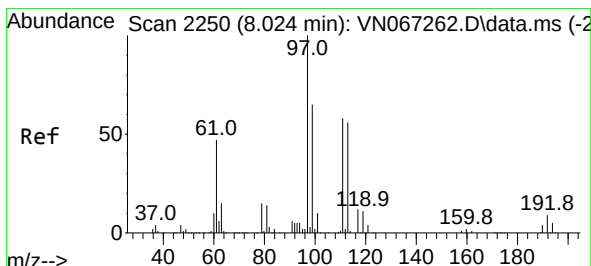
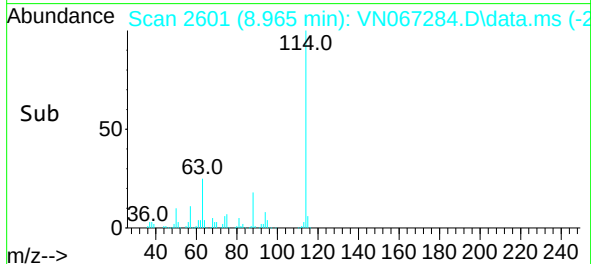
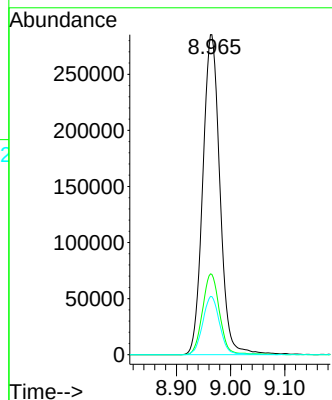
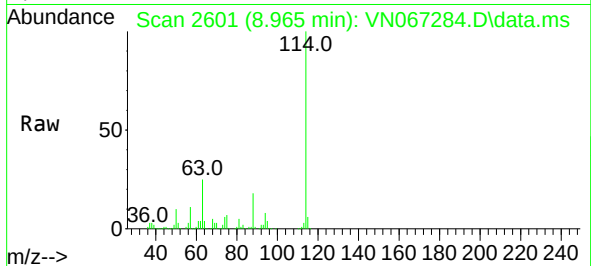




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.006 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

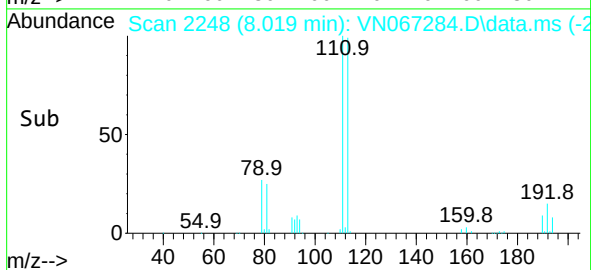
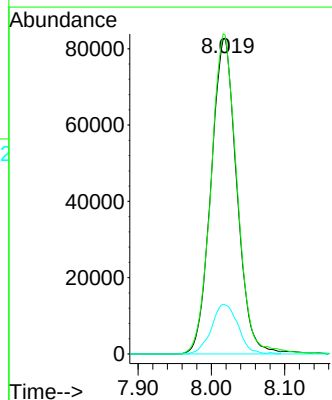
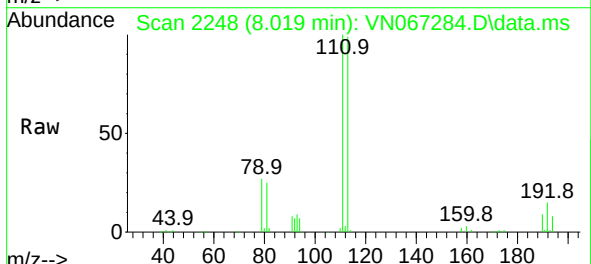
Instrument :
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ClientSampleId :
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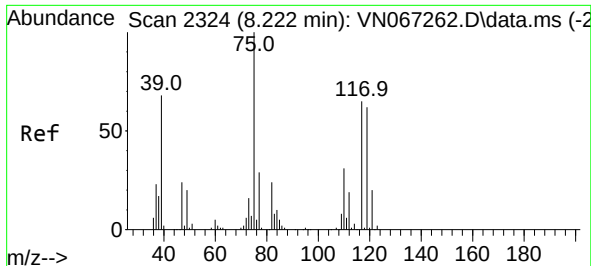
Tgt Ion:114 Resp: 626544
Ion Ratio Lower Upper
114 100
63 25.1 0.0 35.8
88 18.2 0.0 30.4



#35
Dibromofluoromethane
Concen: 50.437 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.005 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:113 Resp: 201373
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 16.2 18.2 27.4#

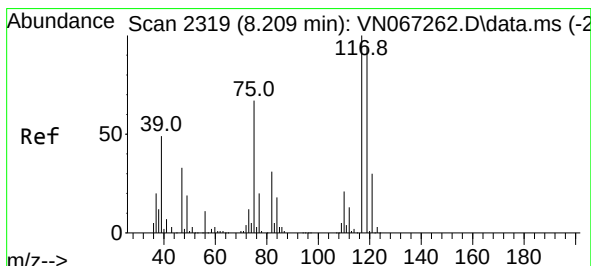
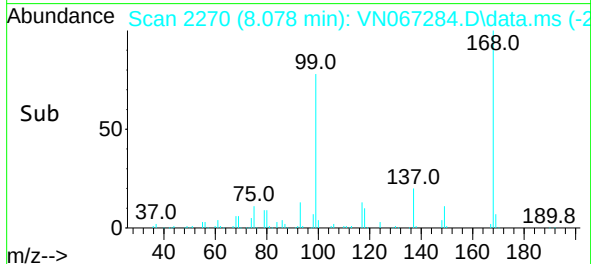
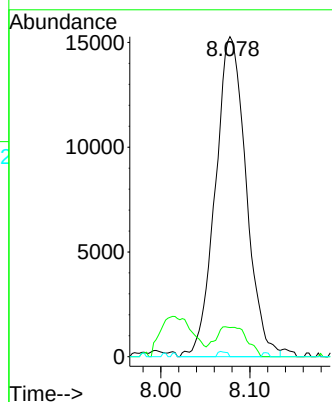
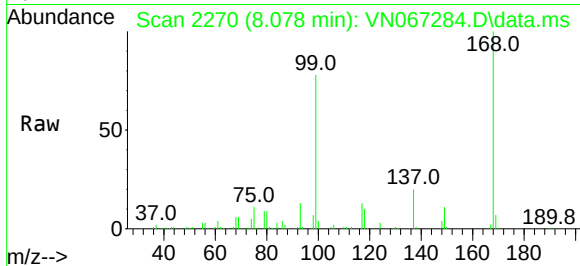




#36
 1,1-Dichloropropene
 Concen: 5.522 ug/l
 RT: 8.078 min Scan# 2270
 Delta R.T. -0.145 min
 Lab File: VN067284.D
 Acq: 11 Jun 2021 13:29

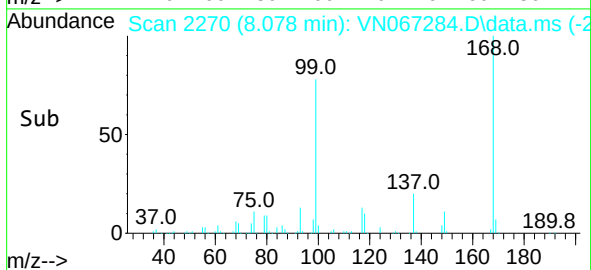
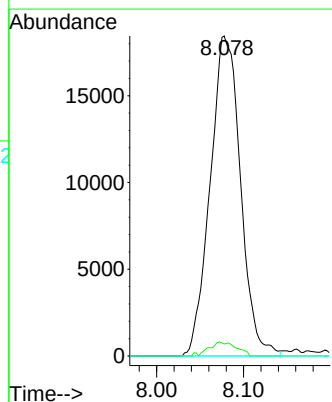
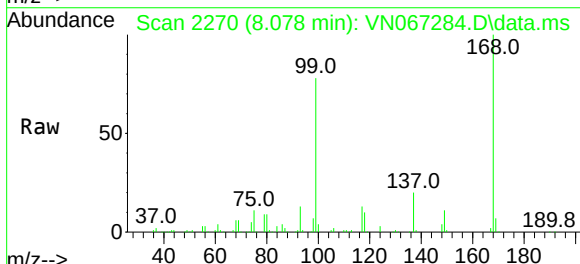
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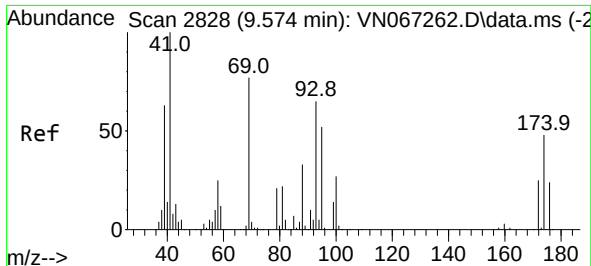
Tgt Ion: 75 Resp: 36644
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.1 57.3#
 77 0.5 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.467 ug/l
 RT: 8.078 min Scan# 2270
 Delta R.T. -0.131 min
 Lab File: VN067284.D
 Acq: 11 Jun 2021 13:29

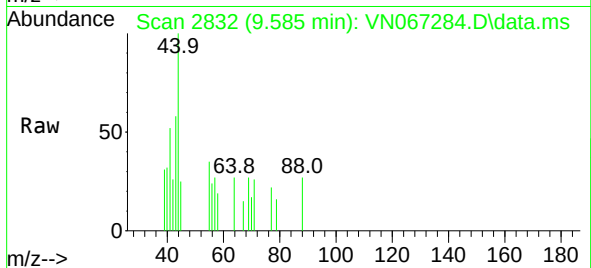
Tgt Ion: 117 Resp: 44747
 Ion Ratio Lower Upper
 117 100
 119 3.8 78.2 117.2#
 121 0.0 24.7 37.1#



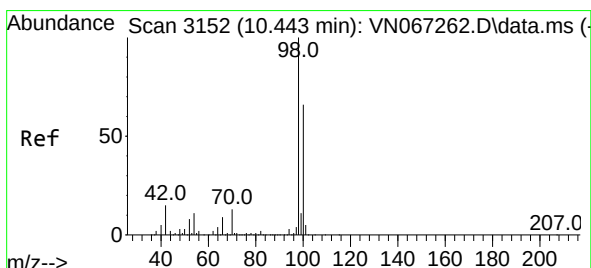
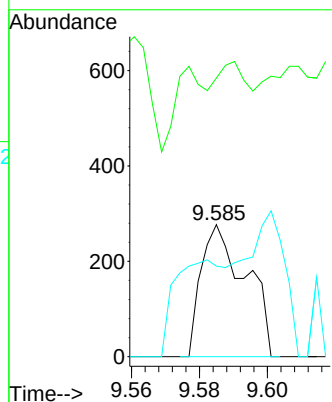
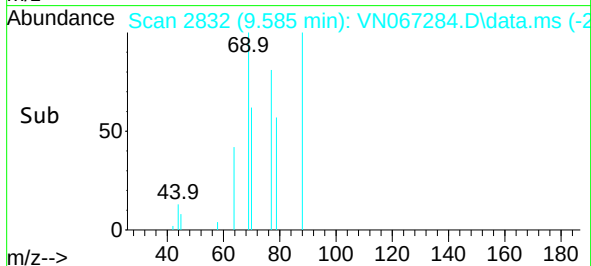


#49
1,4-Dioxane
Concen: 3.252 ug/l
RT: 9.585 min Scan# 2832
Delta R.T. 0.011 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

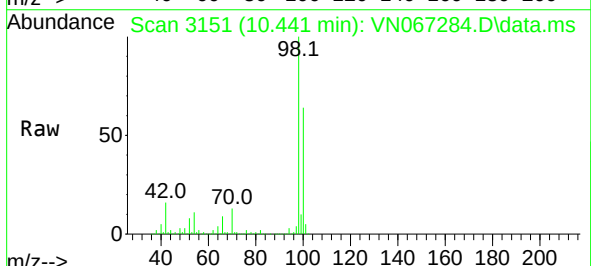
Instrument :
MSVOA_N
ClientSampled :
23892ME



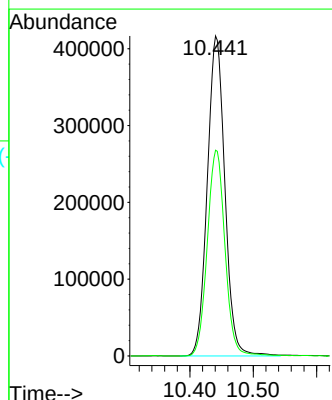
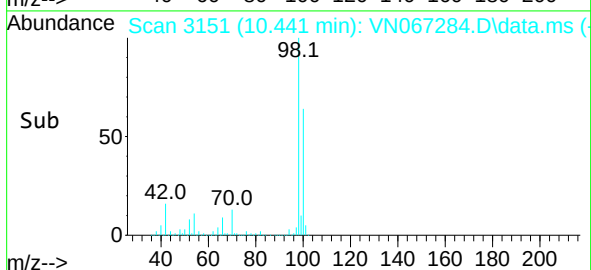
Tgt Ion: 88 Resp: 252
Ion Ratio Lower Upper
88 100
43 13.1 21.8 32.8#
58 82.5 50.8 76.2#

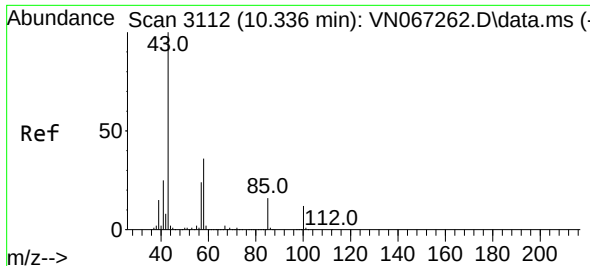


#50
Toluene-d8
Concen: 51.154 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29



Tgt Ion: 98 Resp: 802607
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.8

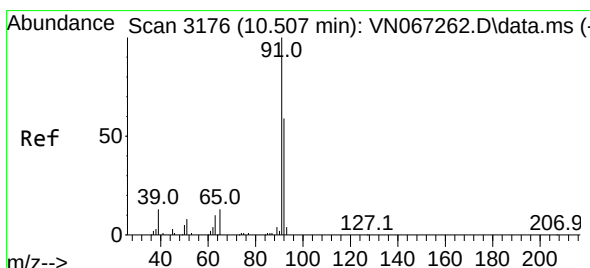
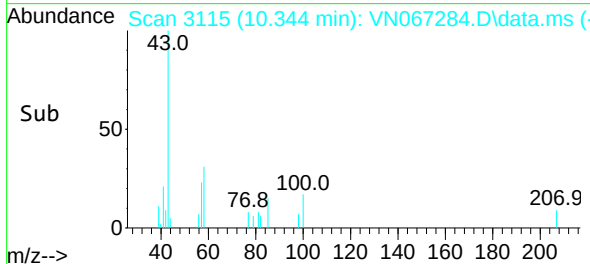
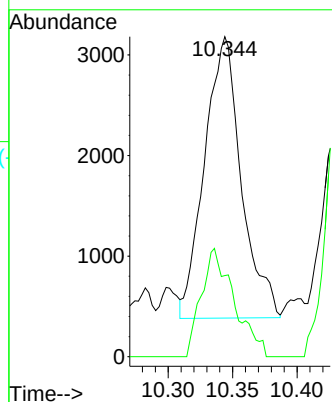
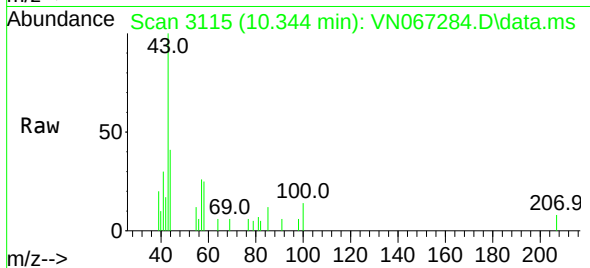




#51
4-Methyl-2-Pentanone
Concen: 0.677 ug/l
RT: 10.344 min Scan# 3115
Delta R.T. 0.008 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

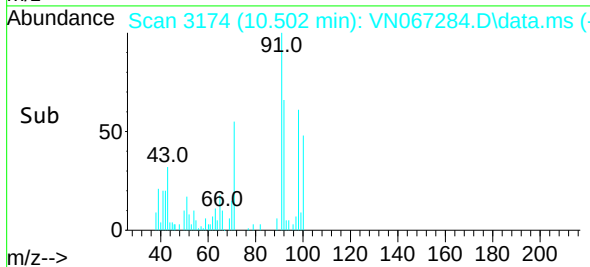
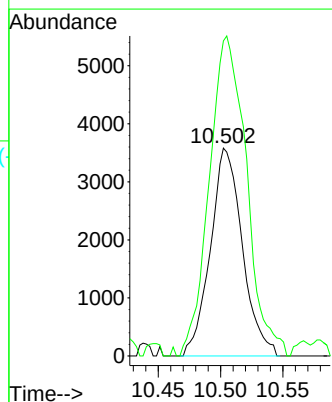
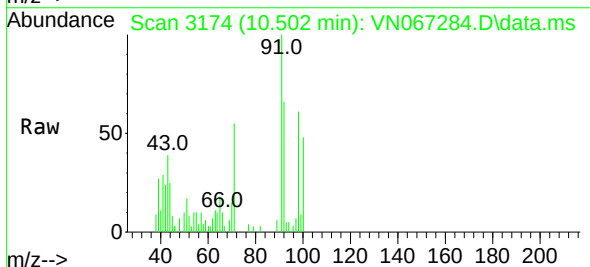
Instrument :
MSVOA_N
ClientSampled :
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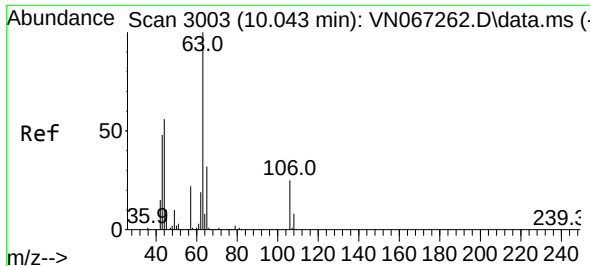
Tgt Ion: 43 Resp: 5551
Ion Ratio Lower Upper
43 100
58 34.5 34.5 51.7#



#52
Toluene
Concen: 0.535 ug/l
RT: 10.502 min Scan# 3174
Delta R.T. -0.005 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion: 92 Resp: 6391
Ion Ratio Lower Upper
92 100
91 178.8 138.7 208.1

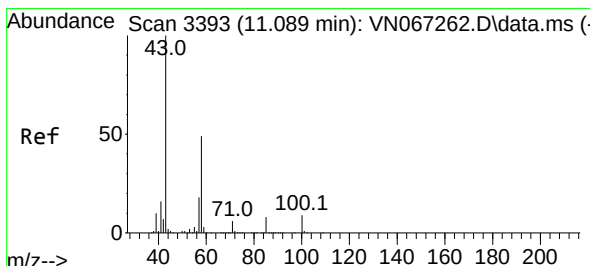
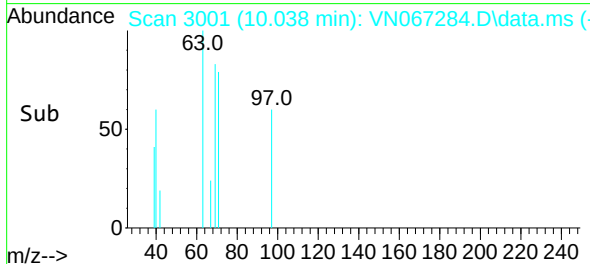
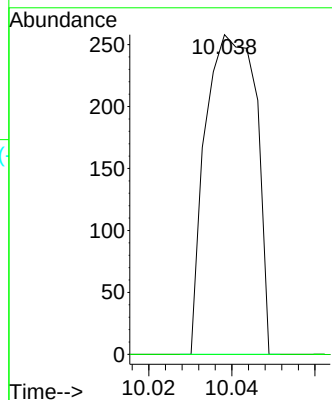
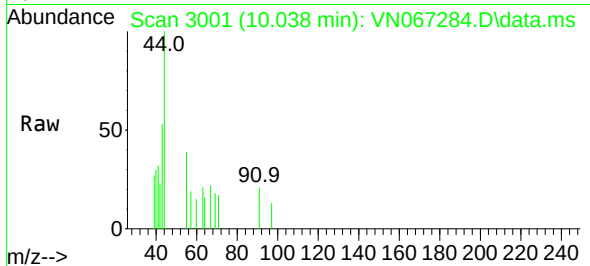




#58
2-Chloroethyl Vinyl ether
Concen: 28.177 ug/l
RT: 10.038 min Scan# 3001
Delta R.T. -0.005 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

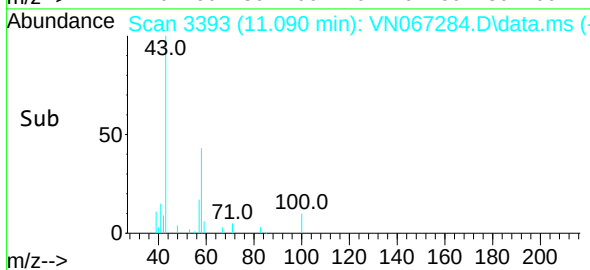
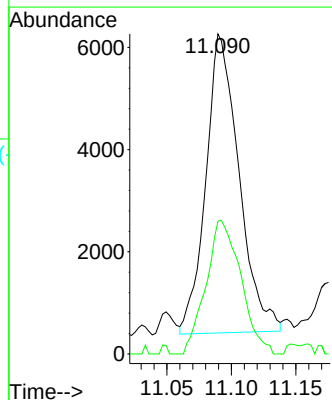
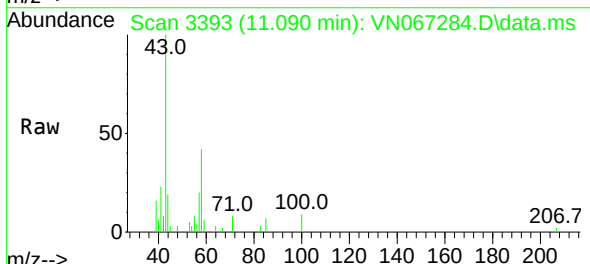
Instrument :
MSVOA_N
ClientSampled :
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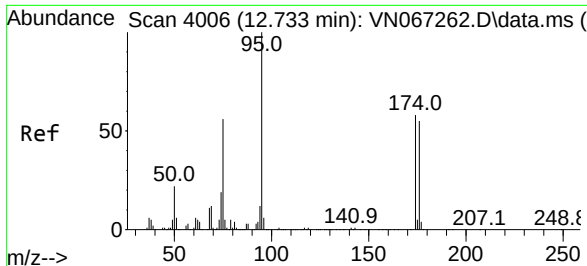
Tgt Ion: 63 Resp: 218
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 1.764 ug/l
RT: 11.090 min Scan# 3393
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion: 43 Resp: 10446
Ion Ratio Lower Upper
43 100
58 47.0 29.8 89.5

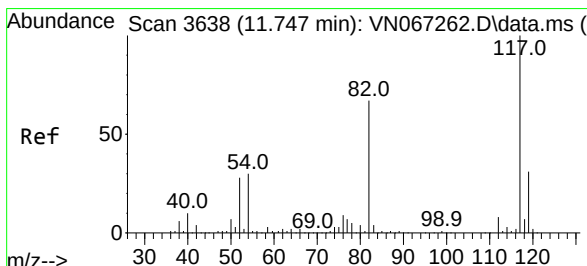
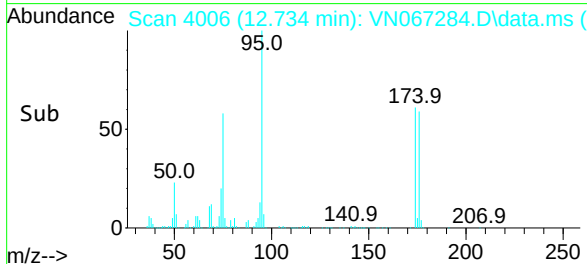
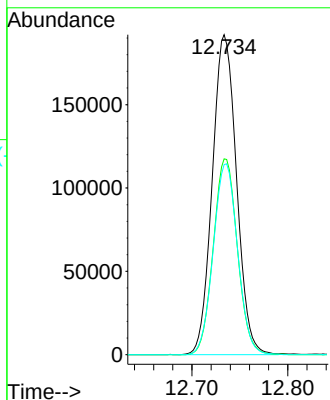
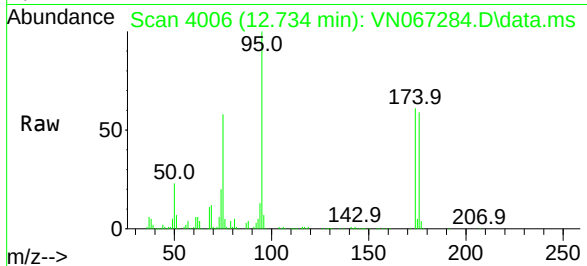




#62
4-Bromofluorobenzene
Concen: 51.689 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

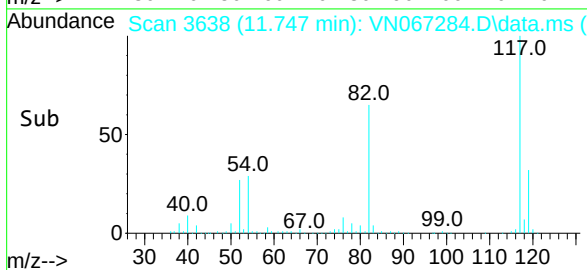
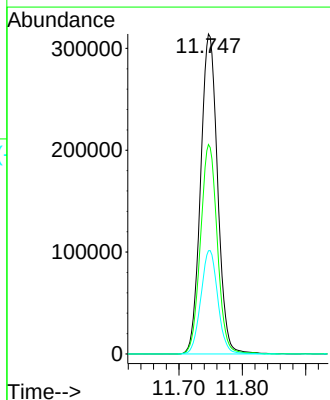
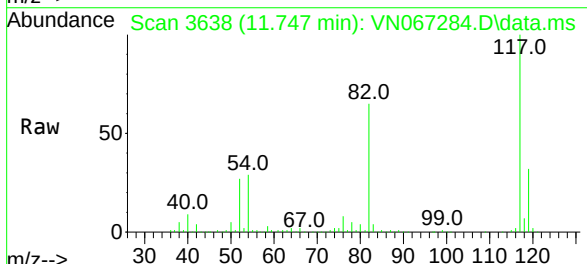
Instrument :
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ClientSampleId :
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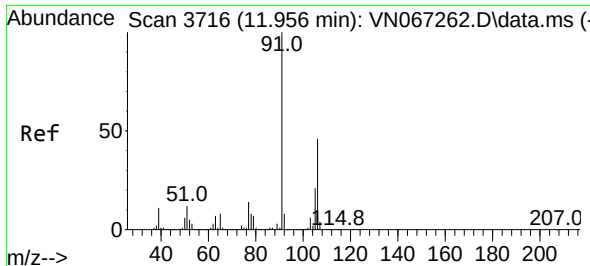
Tgt Ion: 95 Resp: 337490
Ion Ratio Lower Upper
95 100
174 60.9 0.0 182.8
176 59.8 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion: 117 Resp: 583464
Ion Ratio Lower Upper
117 100
82 65.4 42.2 63.2#
119 32.3 25.8 38.6

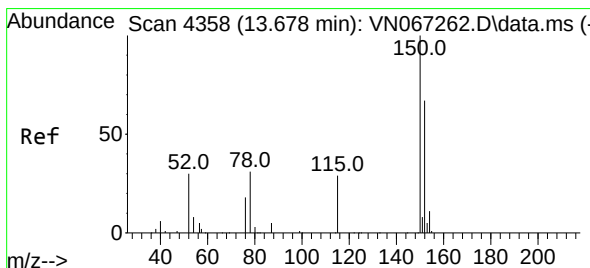
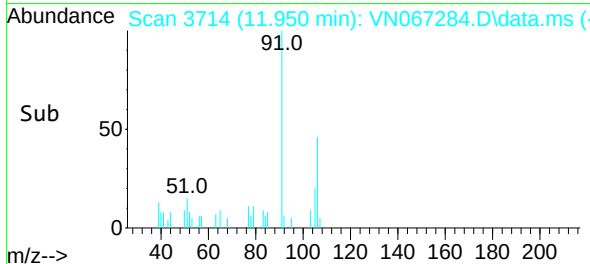
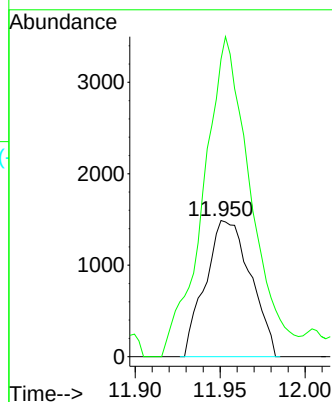
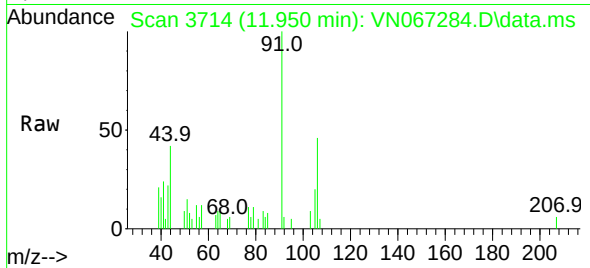




#68
m/p-Xylenes
Concen: 0.314 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.005 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

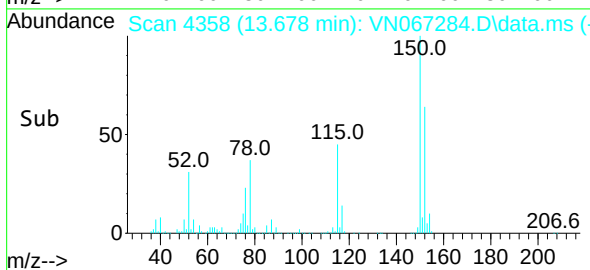
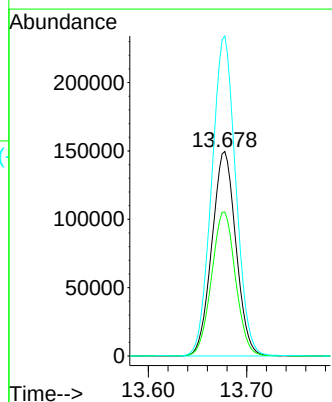
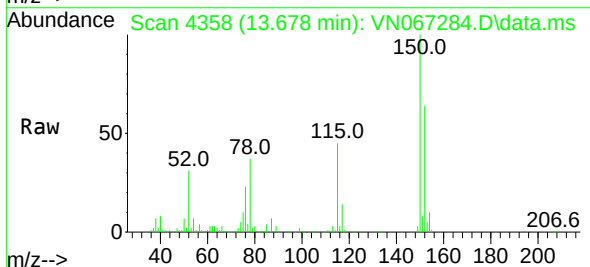
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ClientSampleId :
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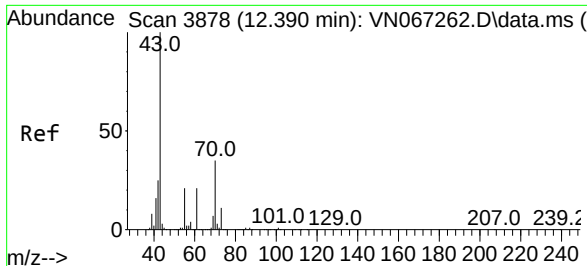
Tgt Ion:106 Resp: 2749
Ion Ratio Lower Upper
106 100
91 246.6 155.2 232.8#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:152 Resp: 253954
Ion Ratio Lower Upper
152 100
115 70.0 27.0 80.8
150 157.3 0.0 350.2

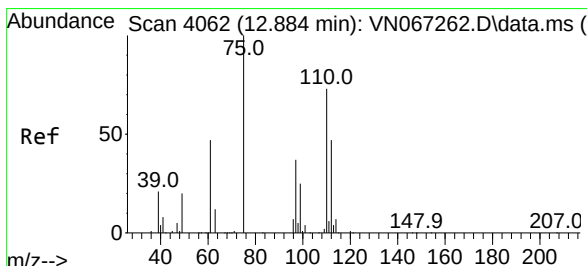
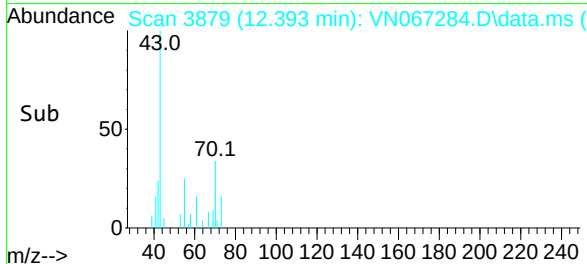
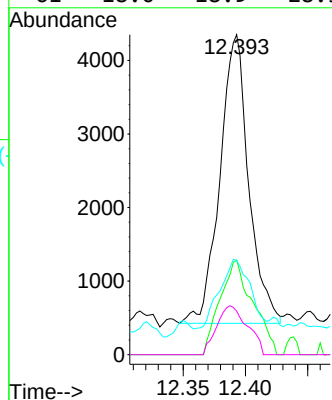
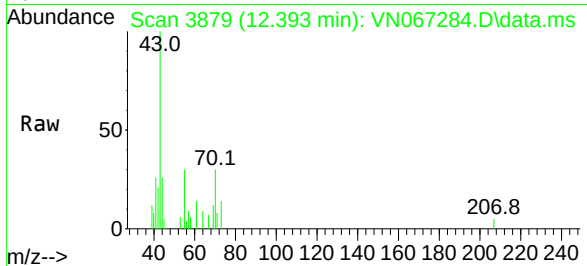




#74
N-amy1 acetate
Concen: 0.536 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

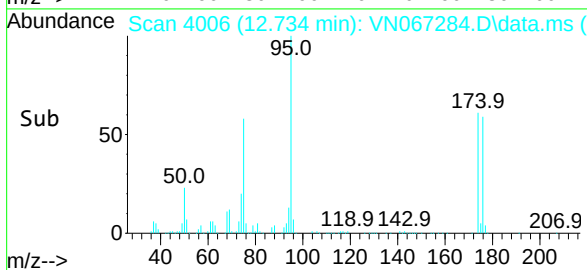
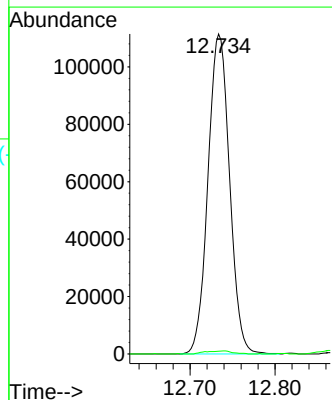
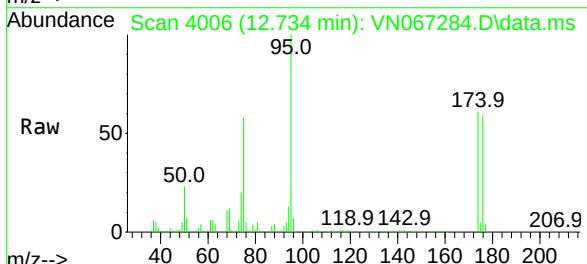
Instrument :
MSVOA_N
ClientSampleId :
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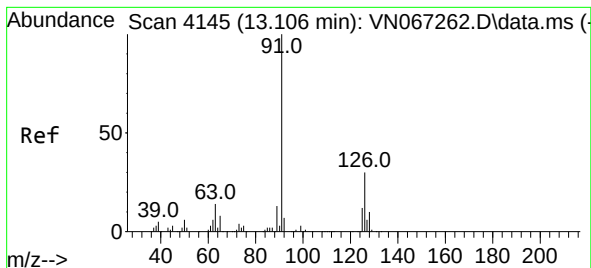
Tgt Ion:	43	Resp:	6303
Ion	Ratio	Lower	Upper
43	100		
70	37.4	36.7	55.1
55	24.9	17.6	26.4
61	18.0	18.9	28.3



#76
1,2,3-Trichloropropane
Concen: 29.119 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:	75	Resp:	196445
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0

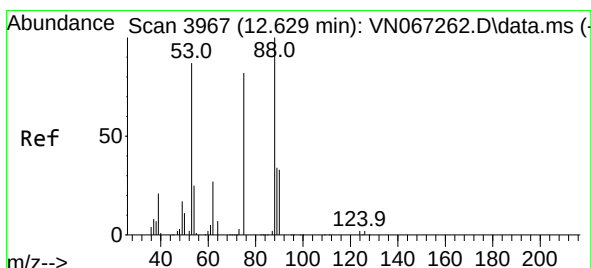
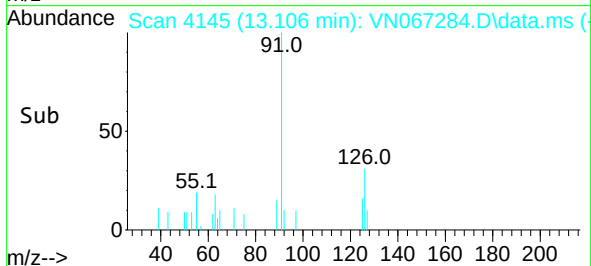
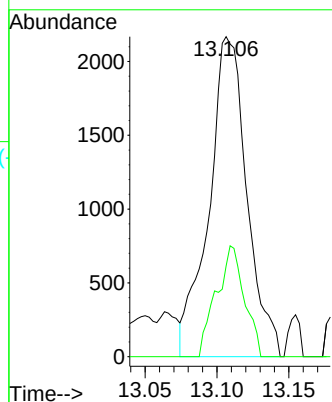
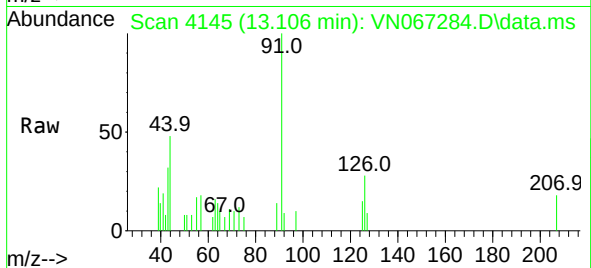




#79
2-Chlorotoluene
Concen: 0.232 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

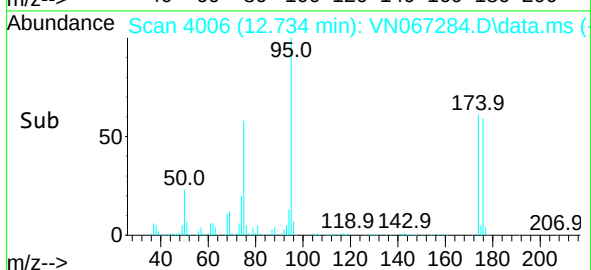
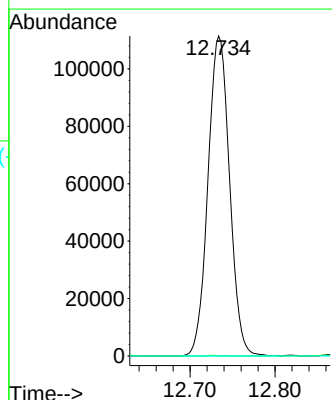
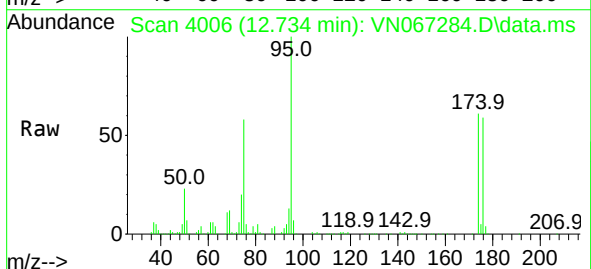
Instrument :
MSVOA_N
ClientSampled :
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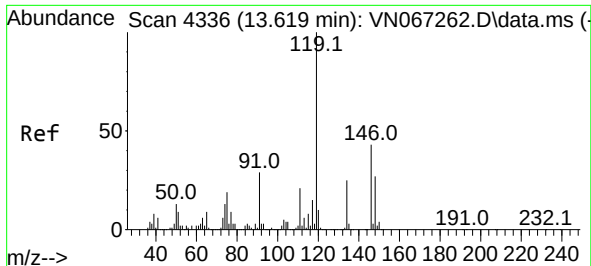
Tgt Ion: 91 Resp: 3971
Ion Ratio Lower Upper
91 100
126 25.5 18.3 54.8



#81
trans-1,4-Dichloro-2-butene
Concen: 74.488 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion: 75 Resp: 196445
Ion Ratio Lower Upper
75 100
53 0.1 66.3 99.5#
89 0.0 39.5 59.3#

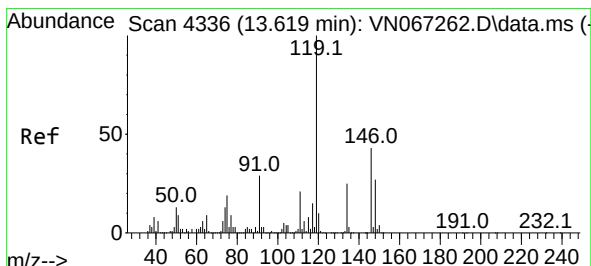
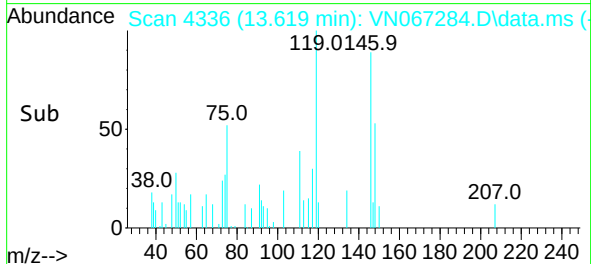
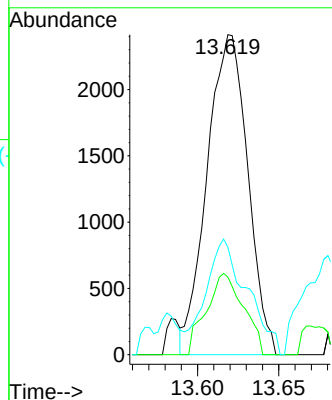
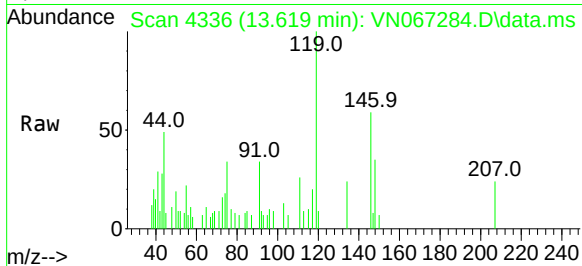




#86
p-Isopropyltoluene
Concen: 0.212 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

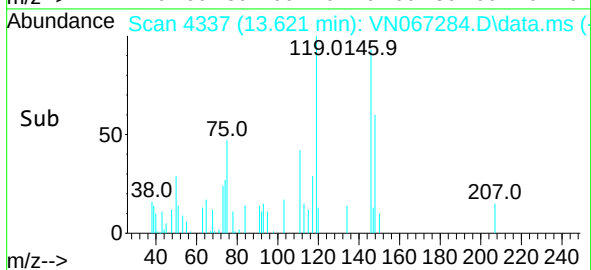
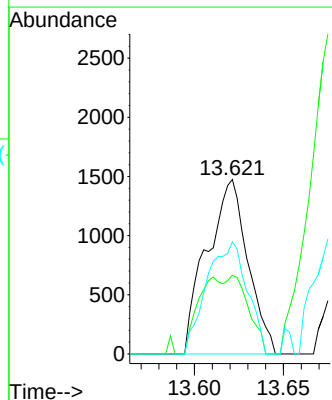
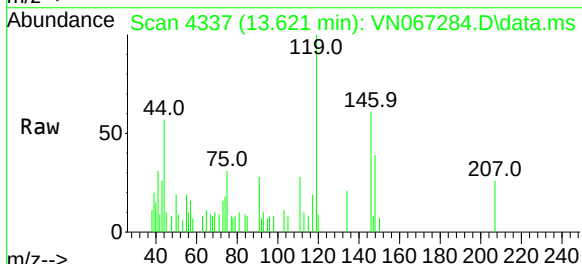
Instrument :
MSVOA_N
ClientSampled :
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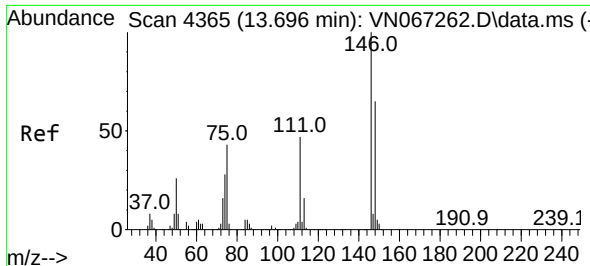
Tgt Ion:119 Resp: 4202
Ion Ratio Lower Upper
119 100
134 23.3 13.3 39.9
91 36.9 10.7 32.1#



#87
1,3-Dichlorobenzene
Concen: 0.272 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. 0.003 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:146 Resp: 2358
Ion Ratio Lower Upper
146 100
111 27.6 19.3 57.8
148 63.6 32.0 96.2

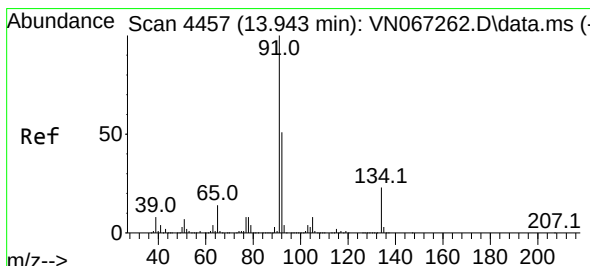
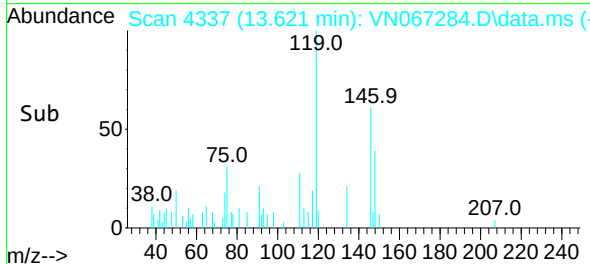
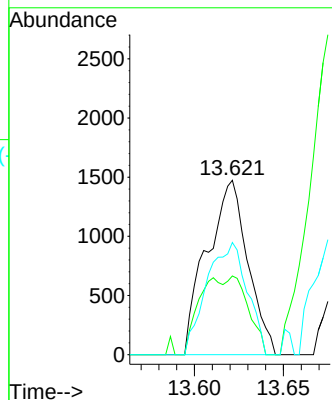
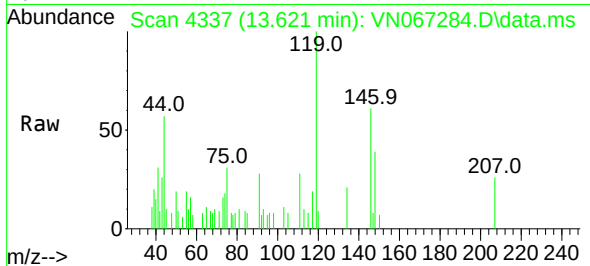




#88
1,4-Dichlorobenzene
Concen: 0.277 ug/l
RT: 13.621 min Scan# 4337
Delta R.T. -0.075 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

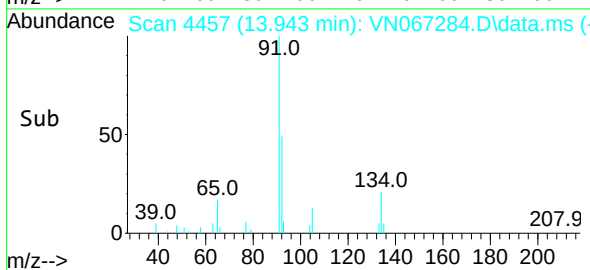
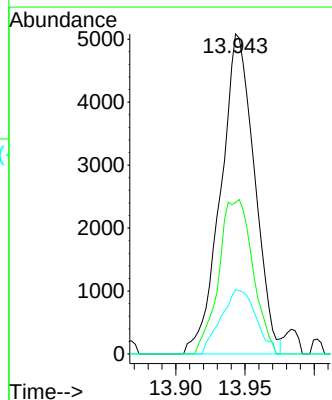
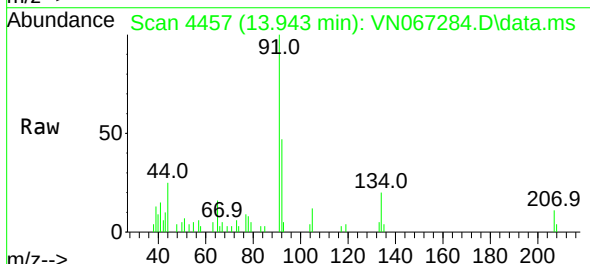
Instrument :
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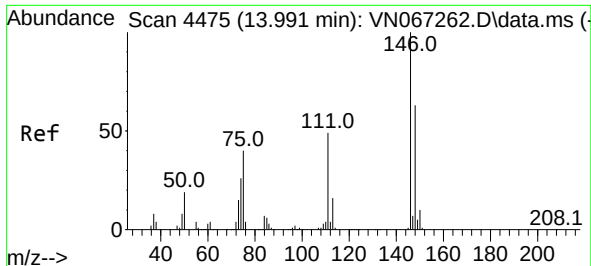
Tgt Ion:	146	Resp:	2358
Ion	Ratio	Lower	Upper
146	100		
111	27.6	18.5	55.5
148	63.6	31.4	94.3



#89
n-Butylbenzene
Concen: 0.471 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:	91	Resp:	8599
Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.5	79.5
134	20.8	14.3	42.9

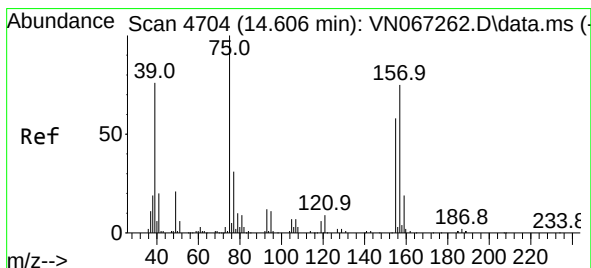
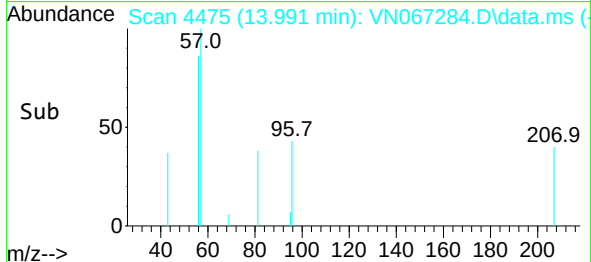
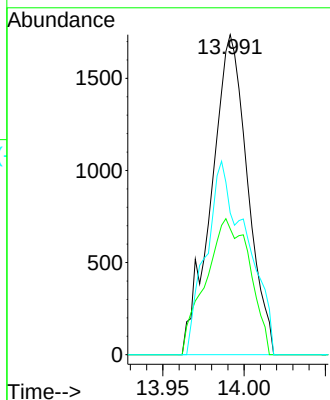
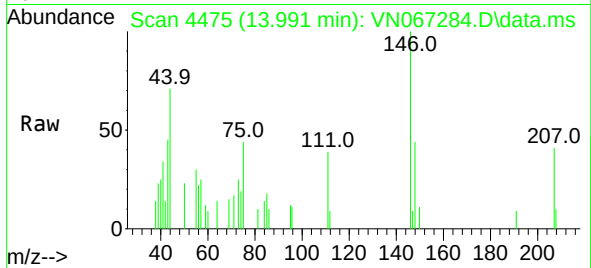




#91
1,2-Dichlorobenzene
Concen: 0.325 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

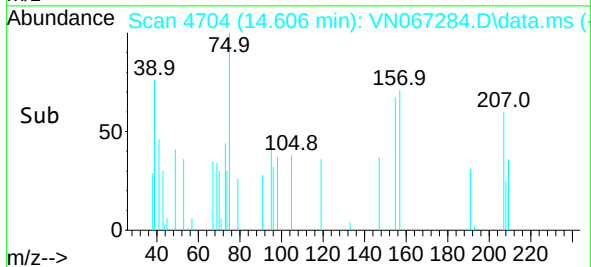
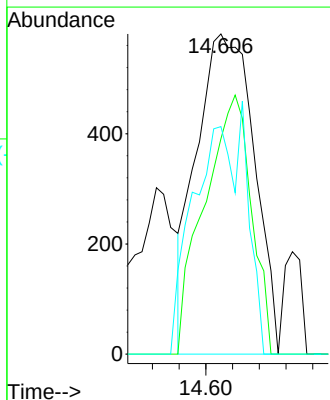
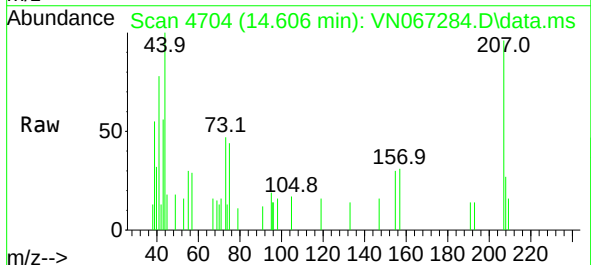
Instrument :
MSVOA_N
ClientSampled :
23892ME

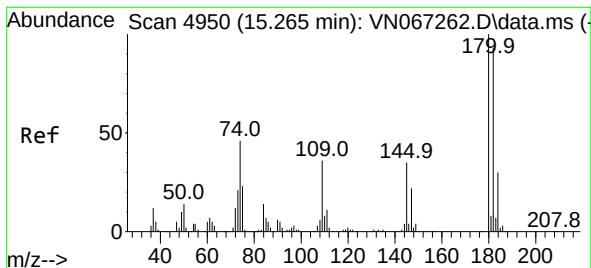
Tgt Ion:	146	Resp:	2679
Ion	Ratio	Lower	Upper
146	100		
111	51.9	19.8	59.3
148	68.2	31.7	95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.508 ug/l
RT: 14.606 min Scan# 4704
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:	75	Resp:	872
Ion	Ratio	Lower	Upper
75	100		
155	65.9	49.9	149.7
157	66.6	63.8	191.4

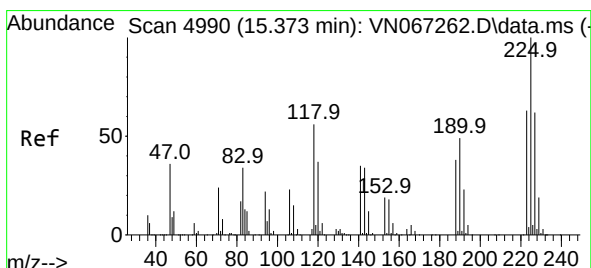
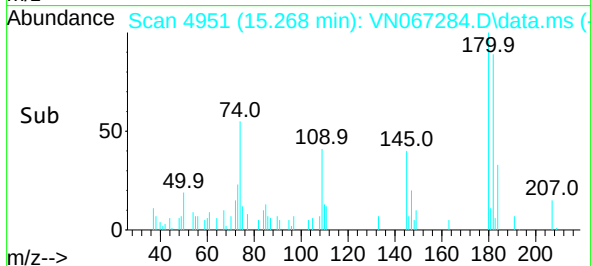
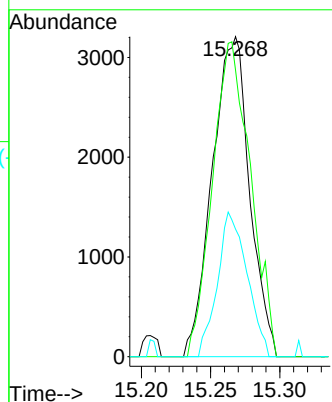
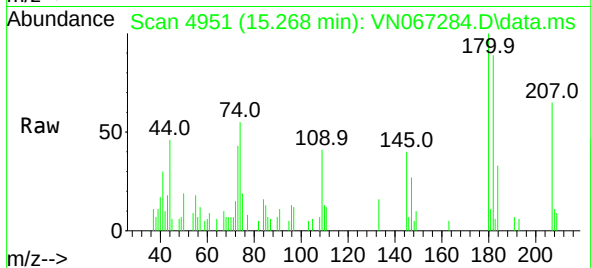




#93
1,2,4-Trichlorobenzene
Concen: 1.419 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

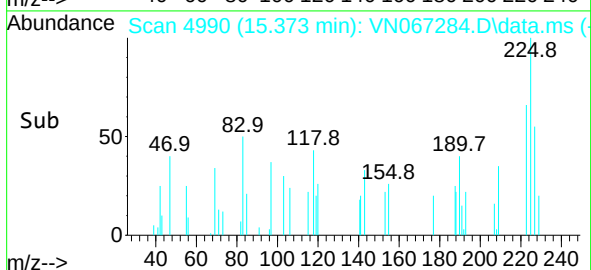
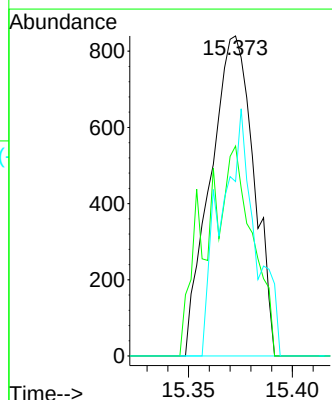
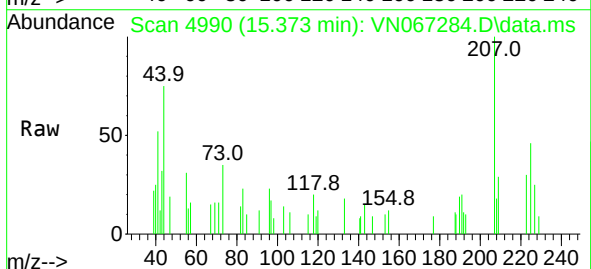
Instrument :
MSVOA_N
ClientSampleId :
23892ME

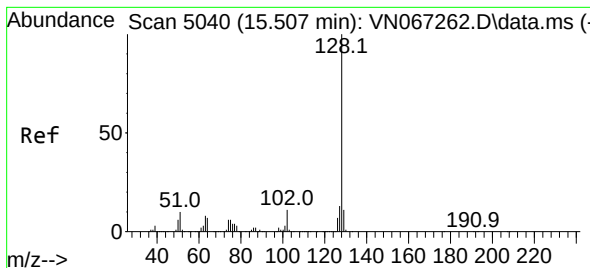
Tgt Ion:180 Resp: 6011
Ion Ratio Lower Upper
180 100
182 100.2 47.3 141.8
145 35.9 14.0 42.0



#94
Hexachlorobutadiene
Concen: 0.493 ug/l
RT: 15.373 min Scan# 4990
Delta R.T. 0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:225 Resp: 1219
Ion Ratio Lower Upper
225 100
223 53.2 31.7 95.1
227 61.0 31.7 95.1

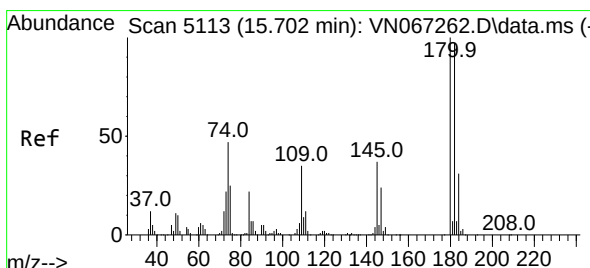
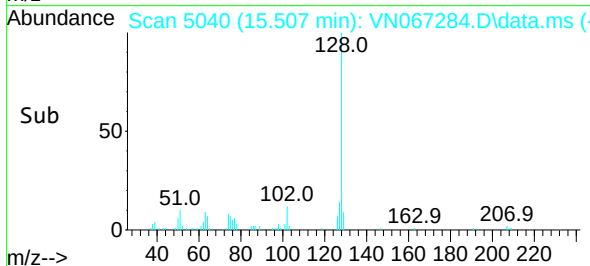
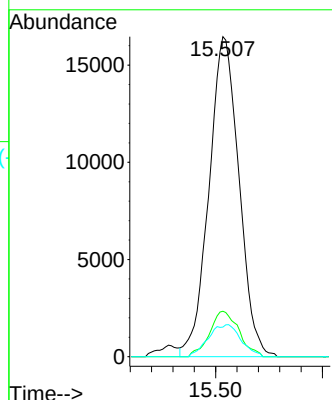
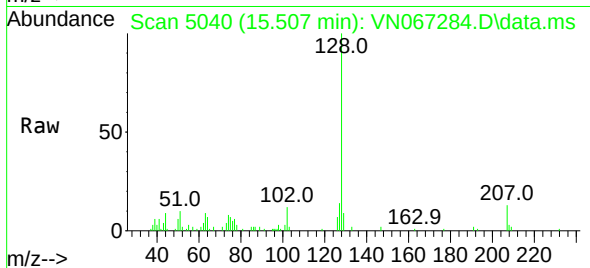




#95
Naphthalene
Concen: 6.723 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Instrument :
MSVOA_N
ClientSampleId :
23892ME

Tgt Ion:	128	Resp:	32073
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	10.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 1.748 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN067284.D
Acq: 11 Jun 2021 13:29

Tgt Ion:	180	Resp:	6861
Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.5	145.6
145	37.5	15.4	46.2

