

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052621\
 Data File : VN067172.D
 Acq On : 26 May 2021 17:18
 Operator : JC/MD
 Sample : M2518-05 200X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 118-119

Quant Time: May 27 02:41:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052121W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 21 17:24:08 2021
 Response via : Initial Calibration

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

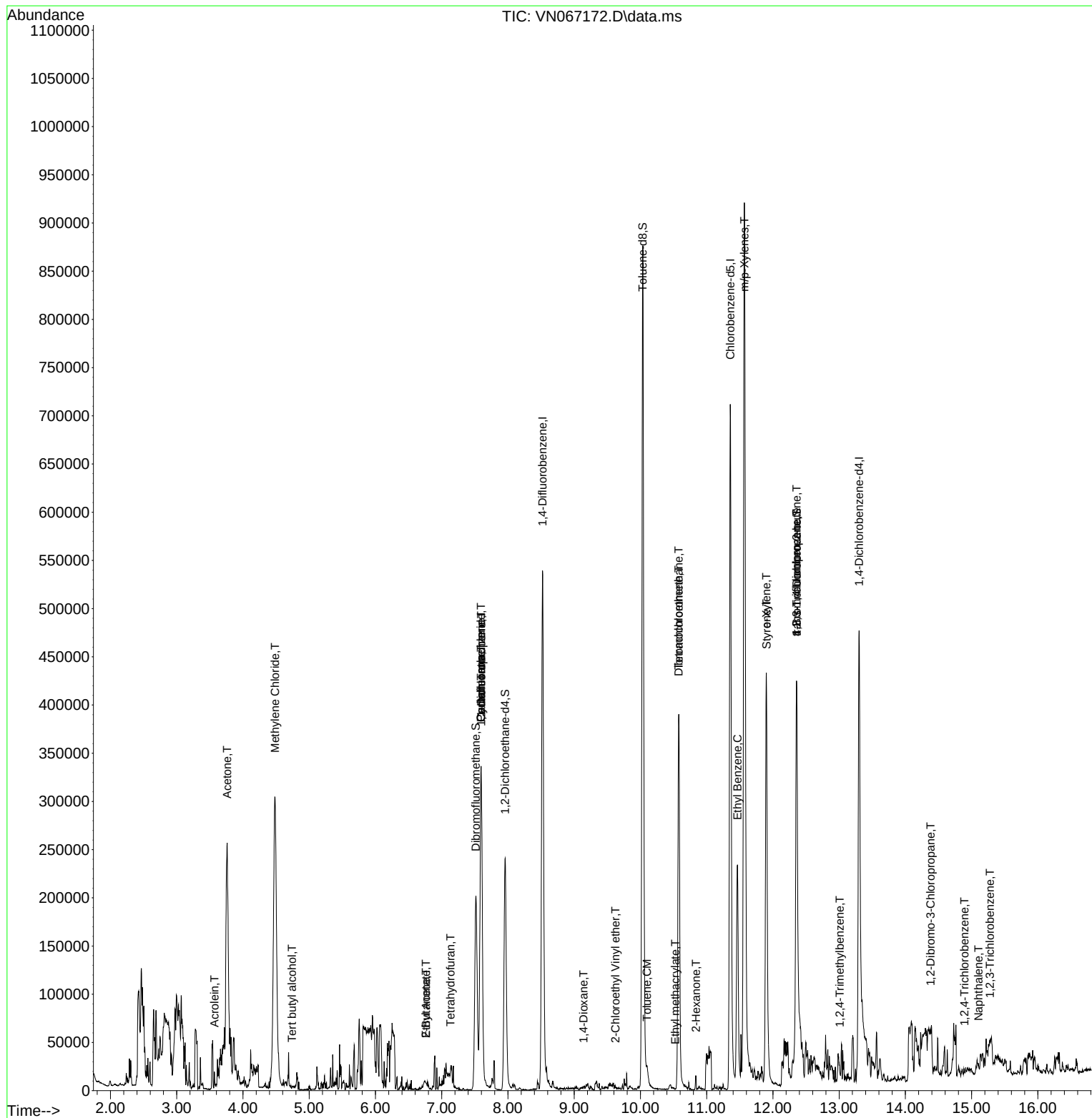
Internal Standards						
1) Pentafluorobenzene	7.594	168	266394	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.522	114	497772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.357	117	439094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.301	152	169457	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.956	65	212071	51.30	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 102.60%		
35) Dibromofluoromethane	7.516	113	165758	54.26	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 108.52%		
50) Toluene-d8	10.035	98	619112	52.66	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 105.32%		
62) 4-Bromofluorobenzene	12.357	95	212117	52.78	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 105.56%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.741	59	476	0.55	ug/l	# 58
13) Acrolein	3.569	56	406	0.56	ug/l	91
16) Acetone	3.762	43	359340	211.45	ug/l	97
20) Methylene Chloride	4.483	84	241025	57.71	ug/l	89
25) 2-Butanone	6.763	43	3201	1.18	ug/l	94
29) Tetrahydrofuran	7.133	42	759	0.43	ug/l	# 37
31) Cyclohexane	7.594	56	6352	0.99	ug/l	# 1
36) 1,1-Dichloropropene	7.597	75	23593	4.69	ug/l	# 49
37) Ethyl Acetate	6.763	43	3201	0.58	ug/l	# 76
38) Carbon Tetrachloride	7.594	117	27896	5.69	ug/l	# 15
49) 1,4-Dioxane	9.139	88	123	62.46	ug/l	# 72
52) Toluene	10.099	92	4189	0.45	ug/l	99
56) Ethyl methacrylate	10.528	69	25	2.79	ug/l	# 1
58) 2-Chloroethyl Vinyl ether	9.622	63	24	6.73	ug/l	# 1
59) 2-Hexanone	10.839	43	370	18.95	ug/l	68
60) Dibromochloromethane	10.577	129	88344	23.81	ug/l	# 11
64) Tetrachloroethene	10.579	164	90048	30.03	ug/l	91
67) Ethyl Benzene	11.464	91	182278	10.84	ug/l	95
68) m/p-Xylenes	11.569	106	315360	53.00	ug/l	91
69) o-Xylene	11.901	106	129689	21.17	ug/l	88
70) Styrene	11.904	104	7045	3.13	ug/l	# 1
76) 1,2,3-Trichloropropane	12.357	75	105427	22.35	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.357	75	105427	63.72	ug/l	# 15
84) 1,2,4-Trimethylbenzene	13.009	105	5620	0.45	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.380	75	188	0.20	ug/l	59
93) 1,2,4-Trichlorobenzene	14.889	180	233	3.34	ug/l	# 63
95) Naphthalene	15.106	128	1115	3.98	ug/l	# 90
96) 1,2,3-Trichlorobenzene	15.278	180	630	0.26	ug/l	# 23

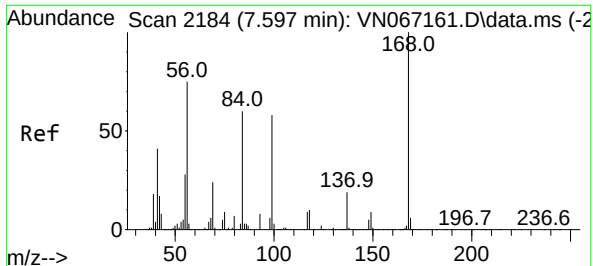
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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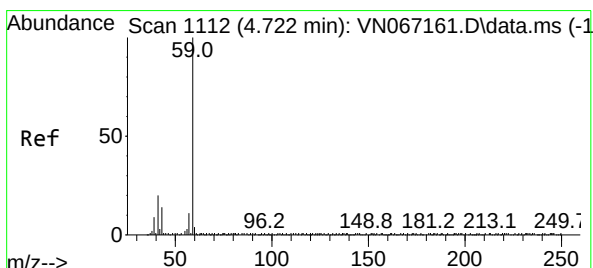
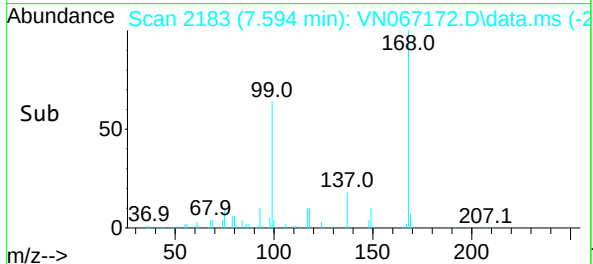
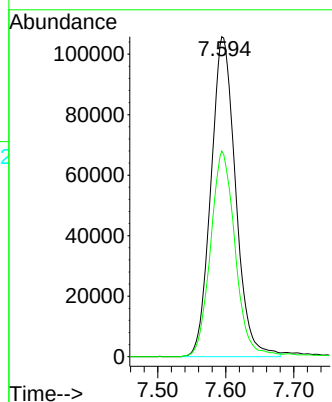
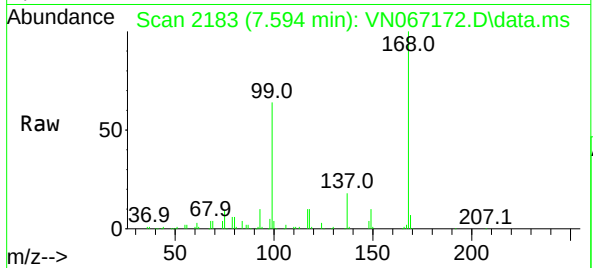




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.594 min Scan# 2183
Delta R.T. -0.003 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

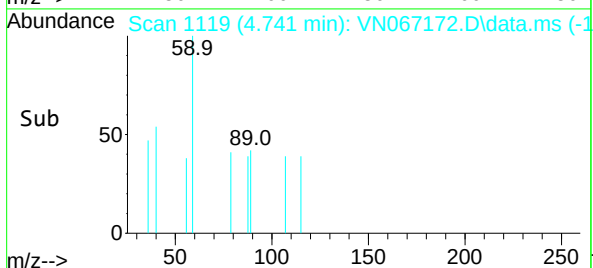
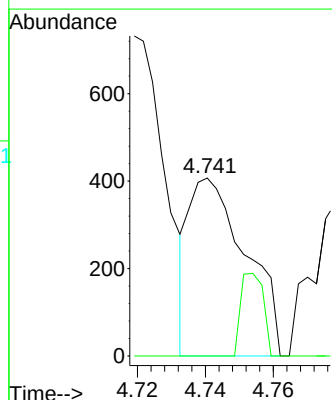
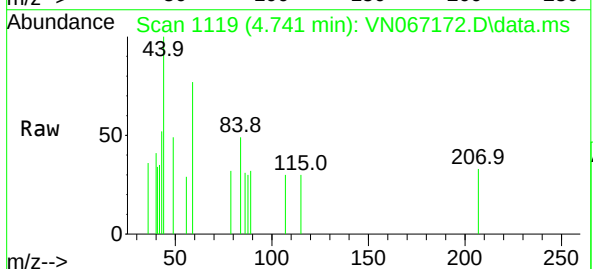
Instrument :
MSVOA_N
ClientSampleId :
118-119

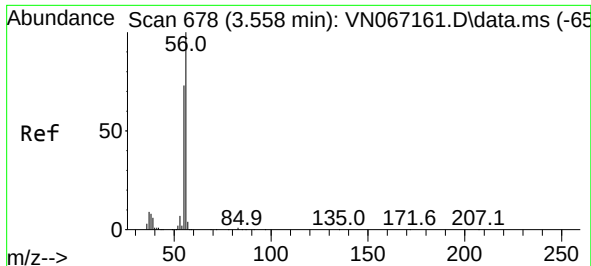
Tgt Ion:168 Resp: 266394
Ion Ratio Lower Upper
168 100
99 64.3 38.5 57.7#



#11
Tert butyl alcohol
Concen: 0.55 ug/l
RT: 4.741 min Scan# 1119
Delta R.T. 0.019 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 59 Resp: 476
Ion Ratio Lower Upper
59 100
57 18.3 3.5 5.3#

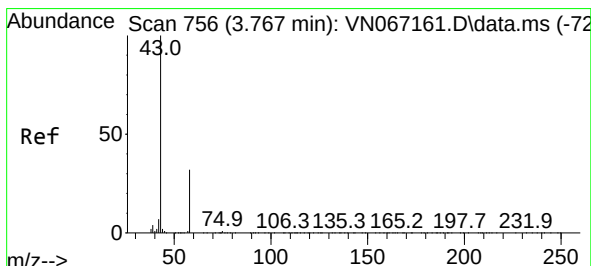
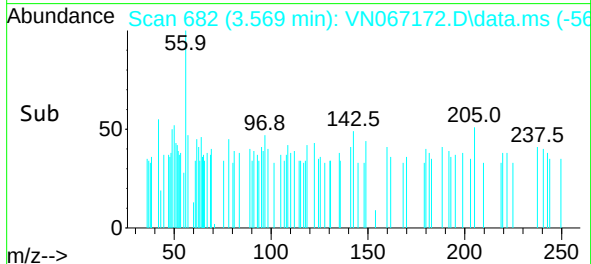
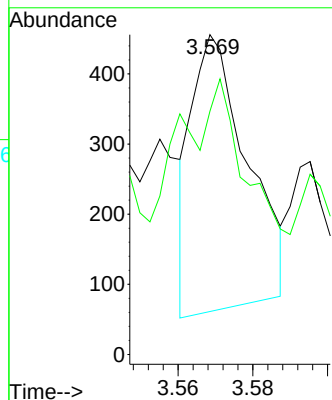
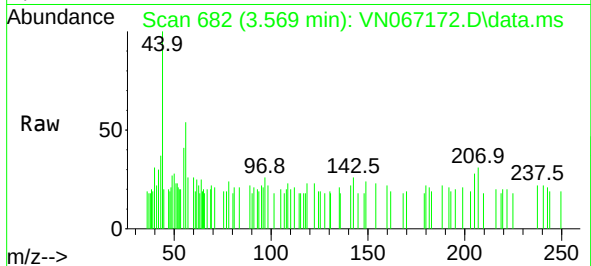




#13
Acrolein
Concen: 0.56 ug/l
RT: 3.569 min Scan# 682
Delta R.T. 0.011 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

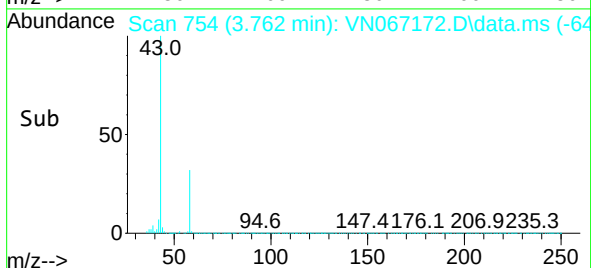
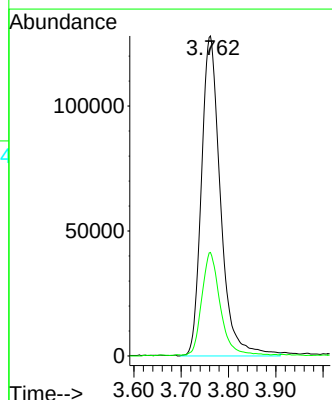
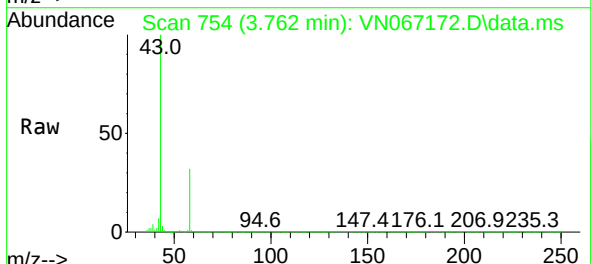
Instrument :
MSVOA_N
ClientSampleId :
118-119

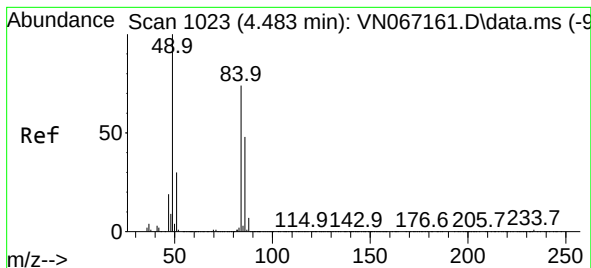
Tgt Ion: 56 Resp: 406
Ion Ratio Lower Upper
56 100
55 59.9 53.8 80.6



#16
Acetone
Concen: 211.45 ug/l
RT: 3.762 min Scan# 754
Delta R.T. -0.005 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 43 Resp: 359340
Ion Ratio Lower Upper
43 100
58 32.0 27.2 40.8





#20

Methylene Chloride

Concen: 57.71 ug/l

RT: 4.483 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN067172.D

Acq: 26 May 2021 17:18

Tgt Ion: 84 Resp: 241025

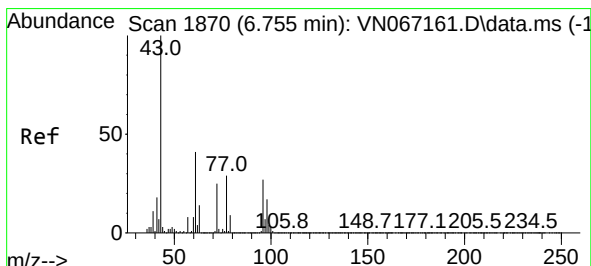
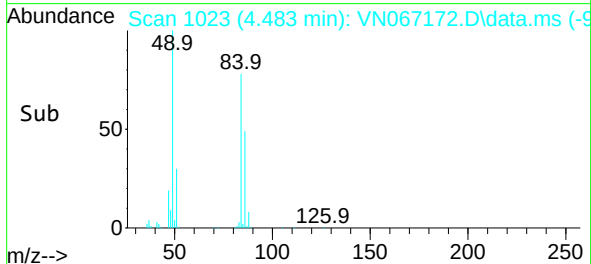
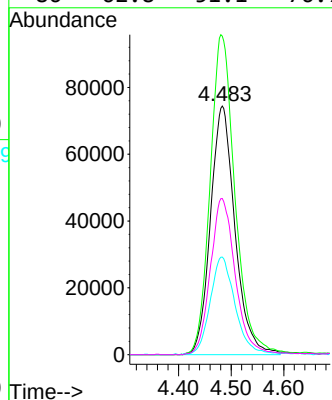
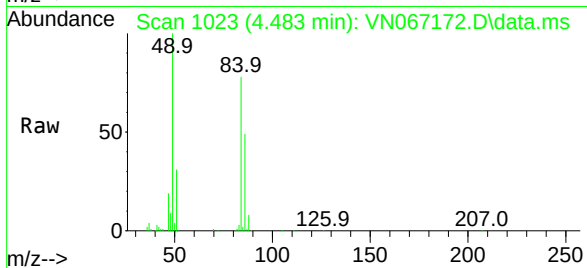
Ion Ratio Lower Upper

84 100

49 128.1 88.3 132.5

51 39.2 26.7 40.1

86 62.8 51.1 76.7



#25

2-Butanone

Concen: 1.18 ug/l

RT: 6.763 min Scan# 1873

Delta R.T. 0.008 min

Lab File: VN067172.D

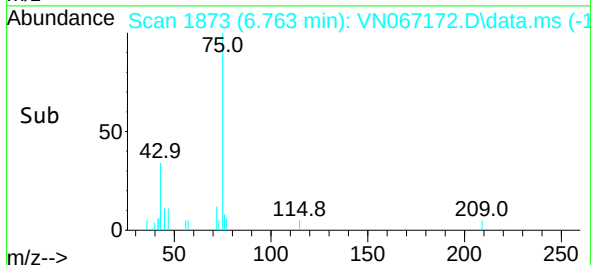
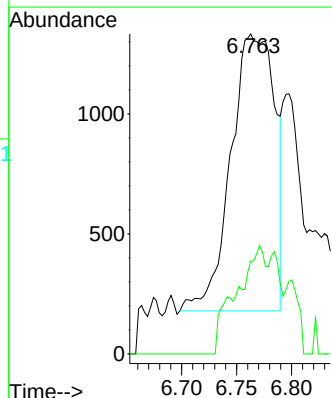
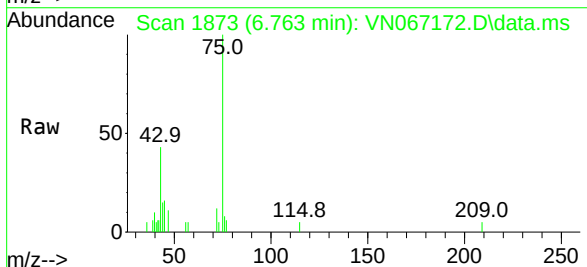
Acq: 26 May 2021 17:18

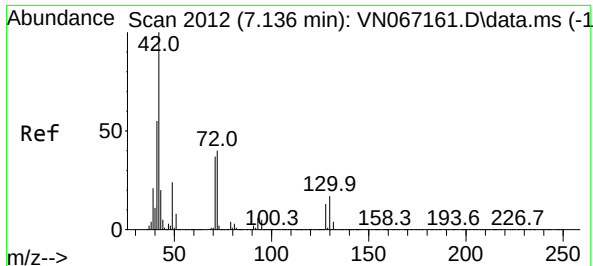
Tgt Ion: 43 Resp: 3201

Ion Ratio Lower Upper

43 100

72 33.5 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.43 ug/l

RT: 7.133 min Scan# 2011

Delta R.T. -0.003 min

Lab File: VN067172.D

Acq: 26 May 2021 17:18

Tgt Ion: 42 Resp: 759

Ion Ratio Lower Upper

42 100

72 0.0 40.1 60.1#

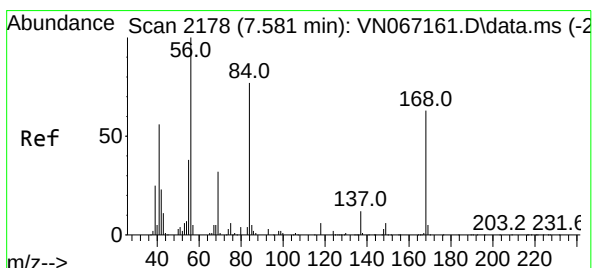
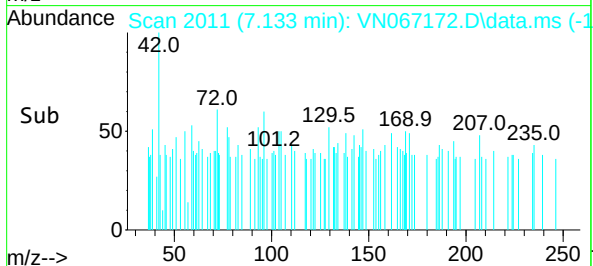
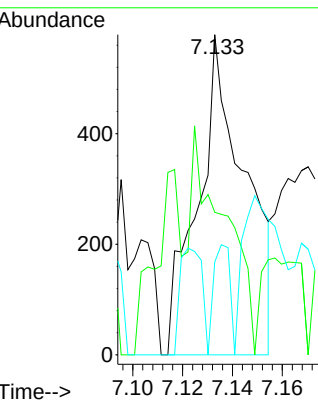
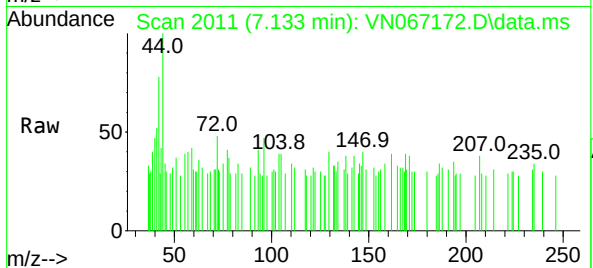
71 11.9 37.9 56.9#

Instrument :

MSVOA_N

ClientSampleId :

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#31

Cyclohexane

Concen: 0.99 ug/l

RT: 7.594 min Scan# 2183

Delta R.T. 0.013 min

Lab File: VN067172.D

Acq: 26 May 2021 17:18

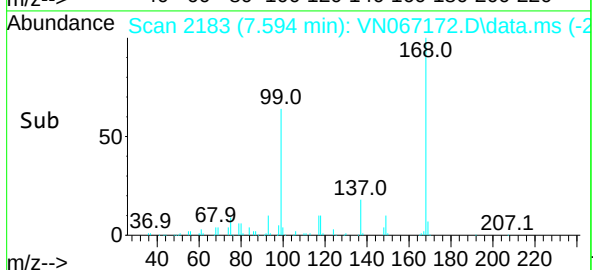
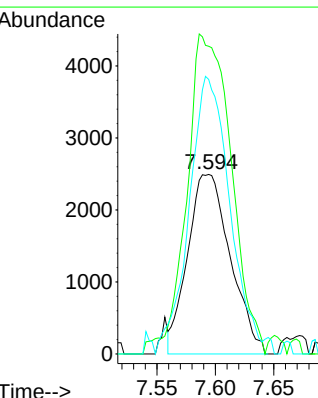
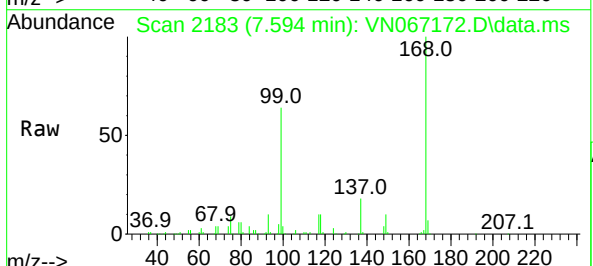
Tgt Ion: 56 Resp: 6352

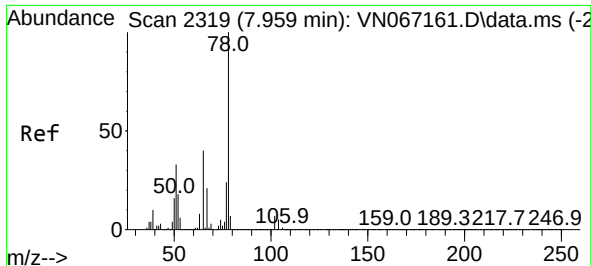
Ion Ratio Lower Upper

56 100

69 165.0 28.0 42.0#

84 143.7 74.2 111.2#

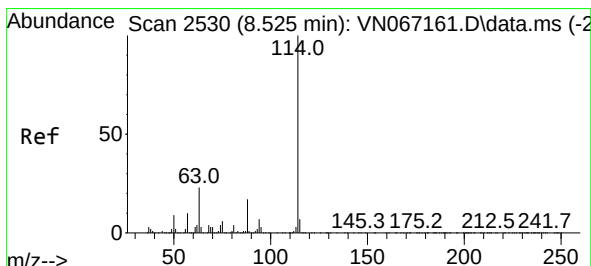
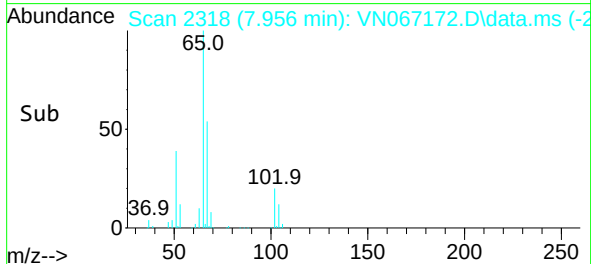
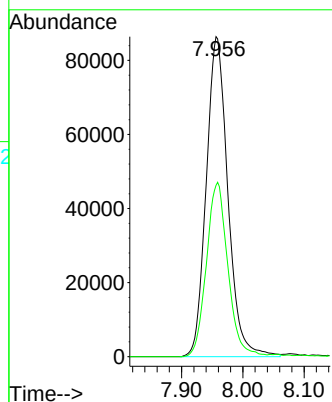
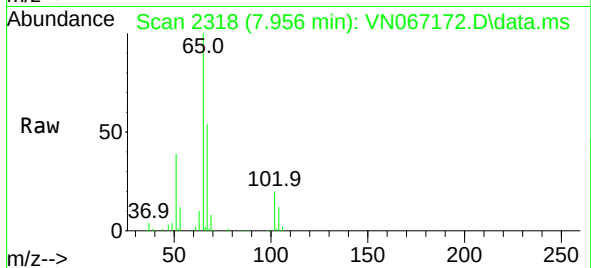




#33
1,2-Dichloroethane-d4
Concen: 51.30 ug/l
RT: 7.956 min Scan# 2318
Delta R.T. -0.003 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

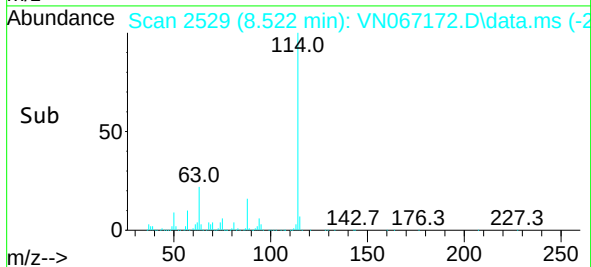
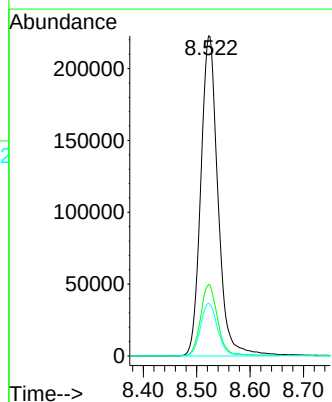
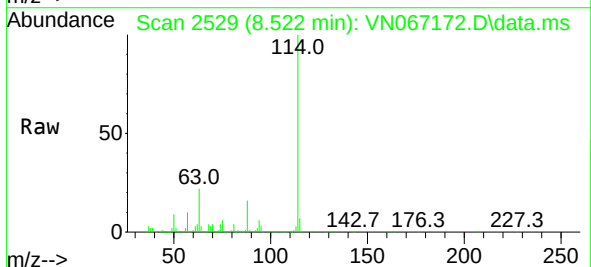
Instrument :
MSVOA_N
ClientSampled :
118-119

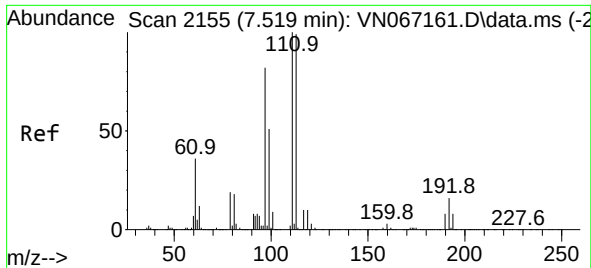
Tgt Ion: 65 Resp: 212071
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.522 min Scan# 2529
Delta R.T. -0.003 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 114 Resp: 497772
Ion Ratio Lower Upper
114 100
63 22.3 0.0 35.8
88 16.5 0.0 30.4

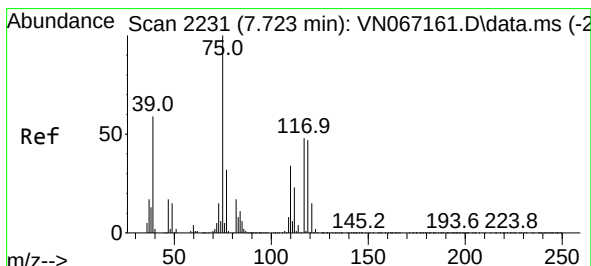
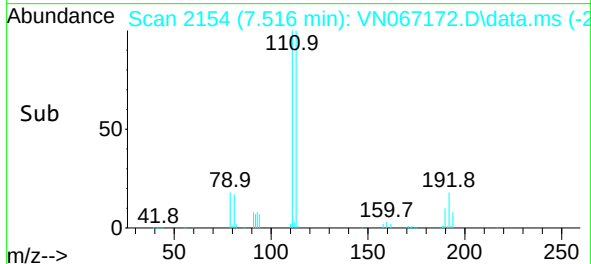
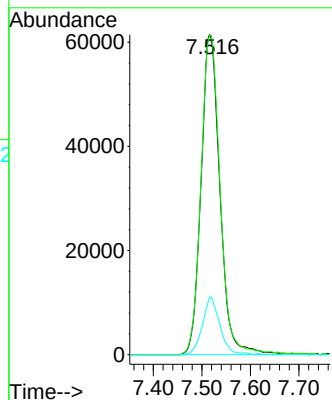
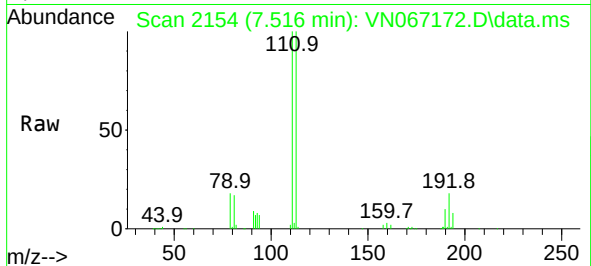




#35
Dibromofluoromethane
Concen: 54.26 ug/l
RT: 7.516 min Scan# 2154
Delta R.T. -0.003 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

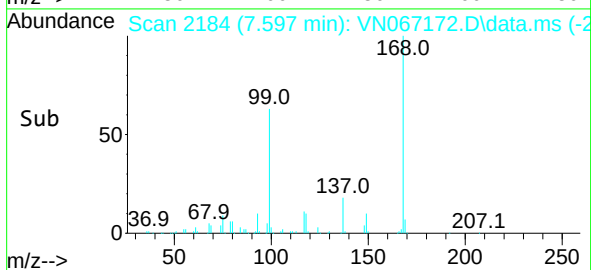
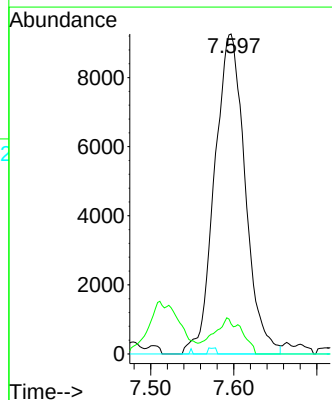
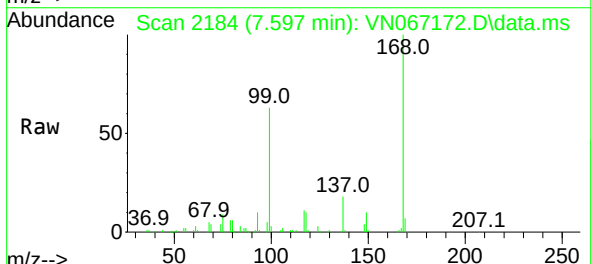
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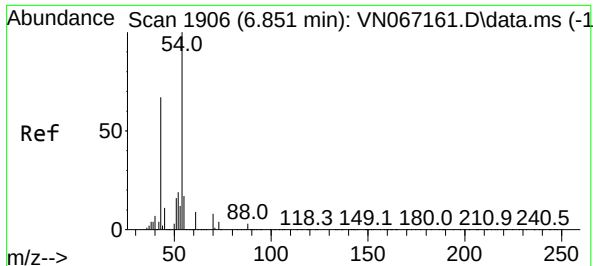
Tgt Ion:113 Resp: 165758
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 16.4 18.2 27.4#



#36
1,1-Dichloropropene
Concen: 4.69 ug/l
RT: 7.597 min Scan# 2184
Delta R.T. -0.126 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 75 Resp: 23593
Ion Ratio Lower Upper
75 100
110 10.4 19.1 57.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.58 ug/l

RT: 6.763 min Scan# 1873

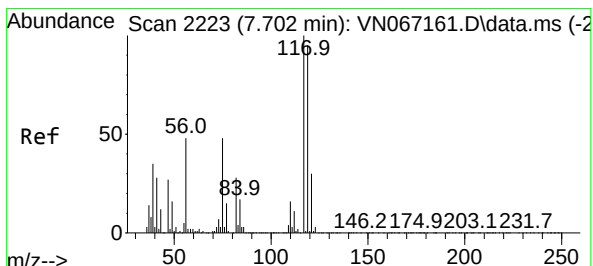
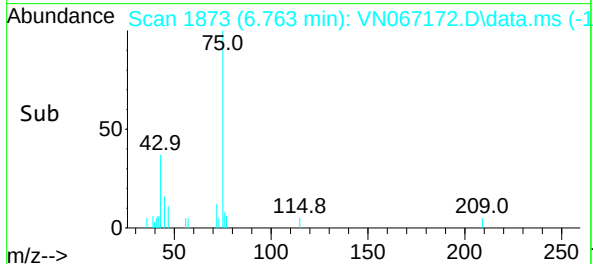
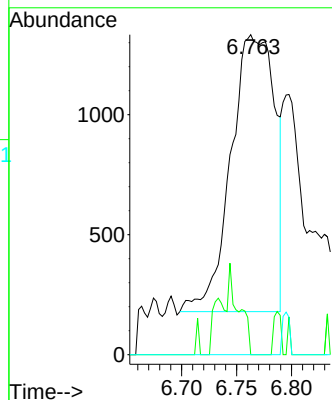
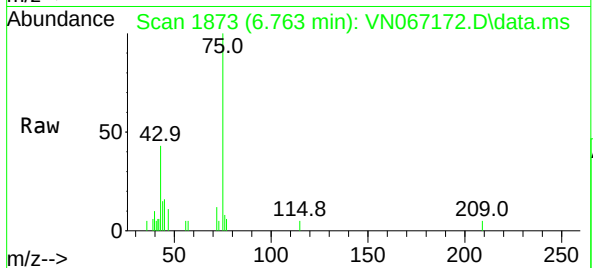
Delta R.T. -0.088 min

Lab File: VN067172.D

Acq: 26 May 2021 17:18

Tgt Ion:	43	Resp:	3201
Ion	Ratio	Lower	Upper
43	100		
61	7.4	13.0	19.4#
70	0.0	9.2	13.8#

Instrument :
MSVOA_N
ClientSampleId :
118-119



#38

Carbon Tetrachloride

Concen: 5.69 ug/l

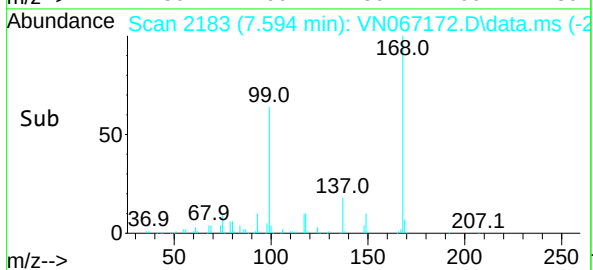
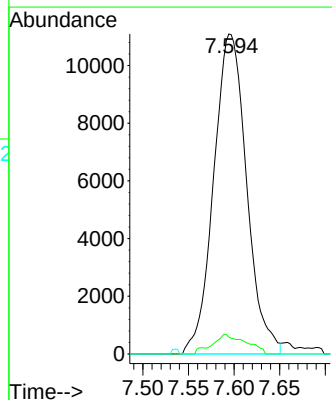
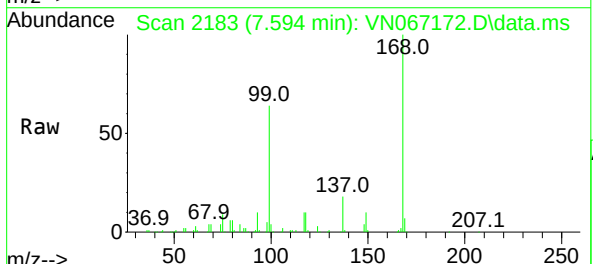
RT: 7.594 min Scan# 2183

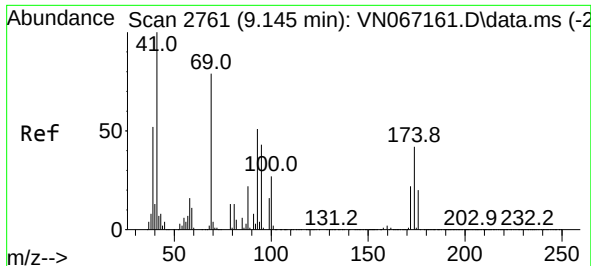
Delta R.T. -0.108 min

Lab File: VN067172.D

Acq: 26 May 2021 17:18

Tgt Ion:	117	Resp:	27896
Ion	Ratio	Lower	Upper
117	100		
119	5.3	78.2	117.2#
121	0.0	24.7	37.1#

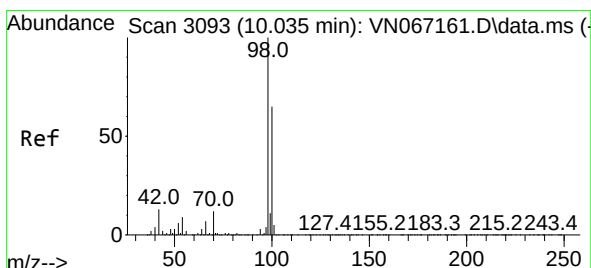
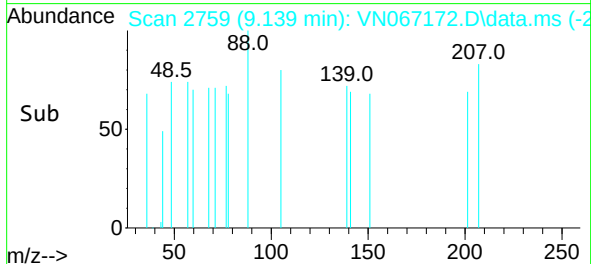
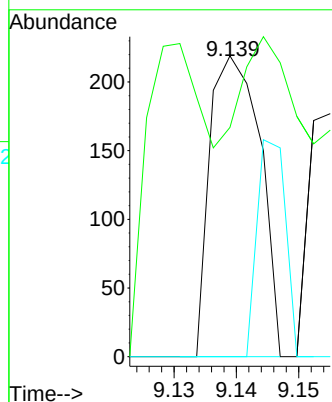
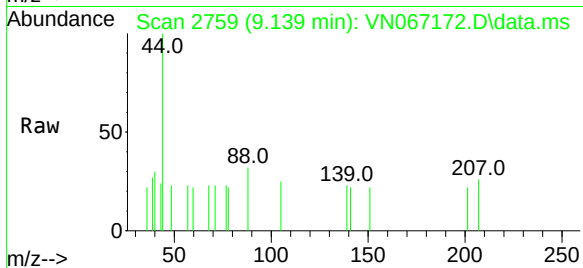




#49
1,4-Dioxane
Concen: 62.46 ug/l
RT: 9.139 min Scan# 2759
Delta R.T. -0.006 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

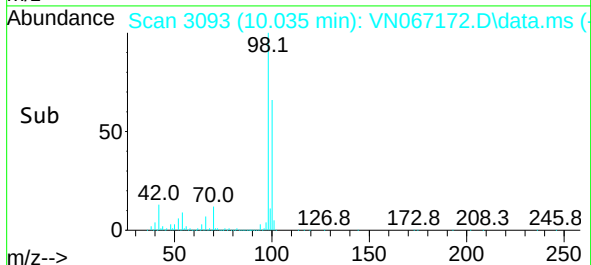
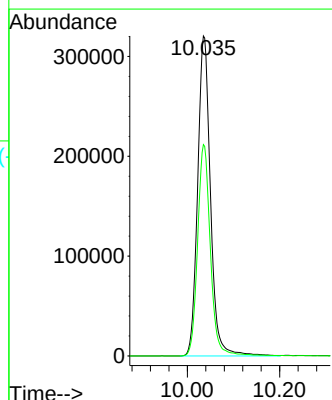
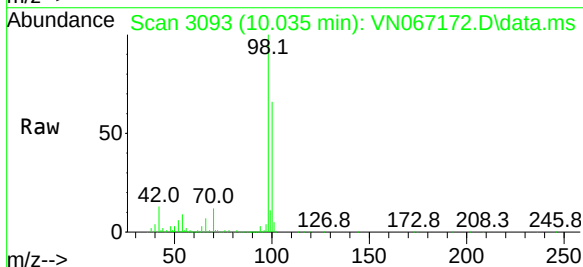
Instrument :
MSVOA_N
ClientSampled :
118-119

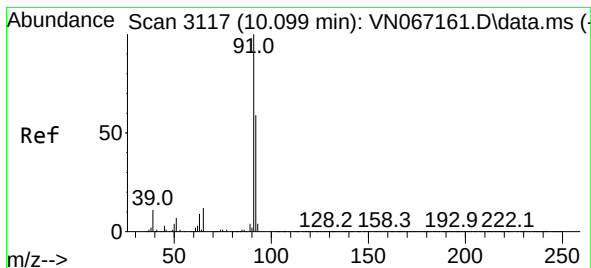
Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 40.7 21.8 32.8#
58 40.7 50.8 76.2#



#50
Toluene-d8
Concen: 52.66 ug/l
RT: 10.035 min Scan# 3093
Delta R.T. -0.000 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 98 Resp: 619112
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8





#52

Toluene

Concen: 0.45 ug/l

RT: 10.099 min Scan# 3117

Delta R.T. 0.000 min

Lab File: VN067172.D

Acq: 26 May 2021 17:18

Tgt Ion: 92 Resp: 4189

Ion Ratio Lower Upper

92 100

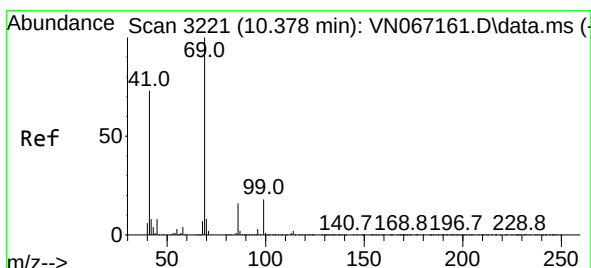
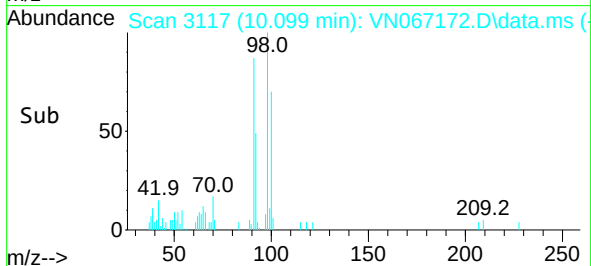
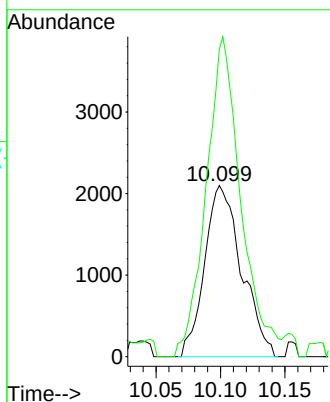
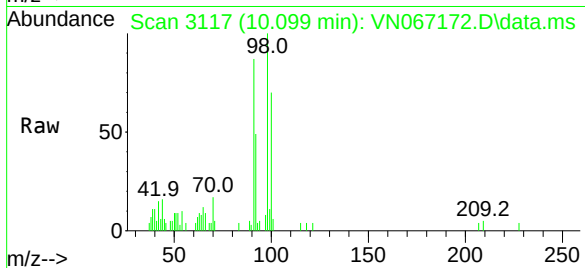
91 175.2 138.7 208.1

Instrument :

MSVOA_N

ClientSampleId :

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#56

Ethyl methacrylate

Concen: 2.79 ug/l

RT: 10.528 min Scan# 3277

Delta R.T. 0.150 min

Lab File: VN067172.D

Acq: 26 May 2021 17:18

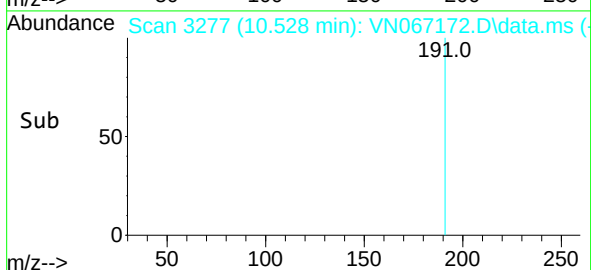
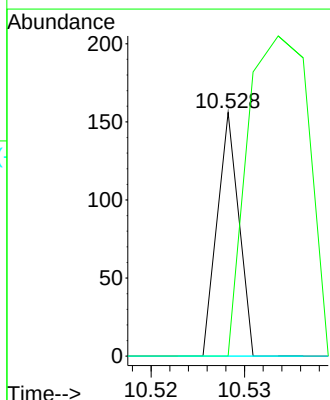
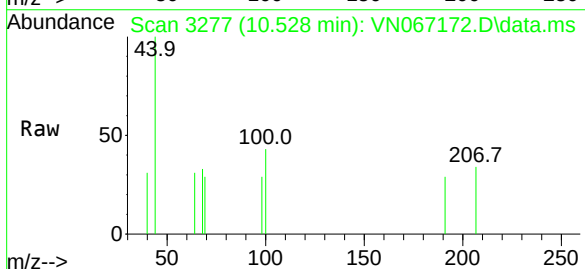
Tgt Ion: 69 Resp: 25

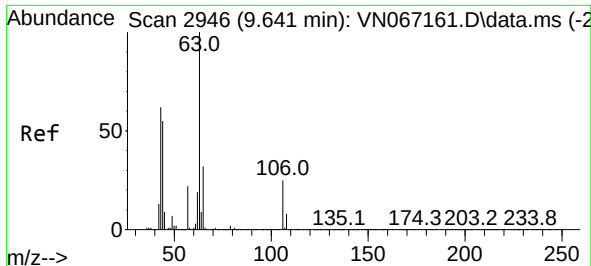
Ion Ratio Lower Upper

69 100

41 372.0 45.5 68.3#

39 0.0 22.9 34.3#

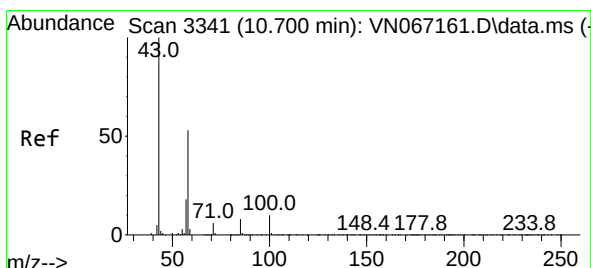
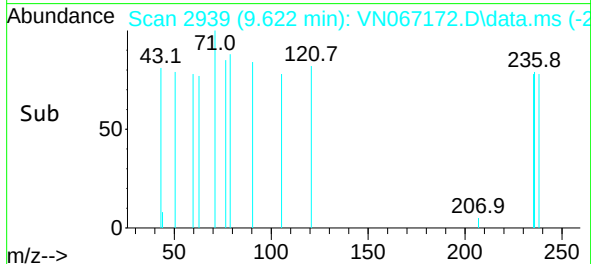
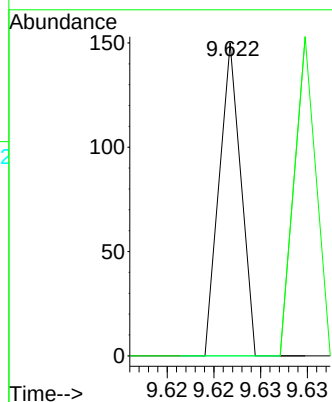
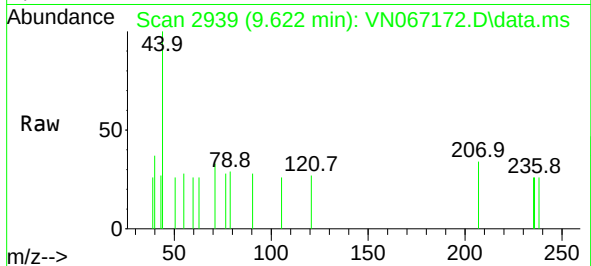




#58
2-Chloroethyl Vinyl ether
Concen: 6.73 ug/l
RT: 9.622 min Scan# 2939
Delta R.T. -0.019 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

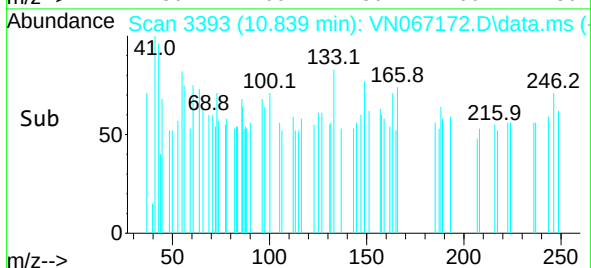
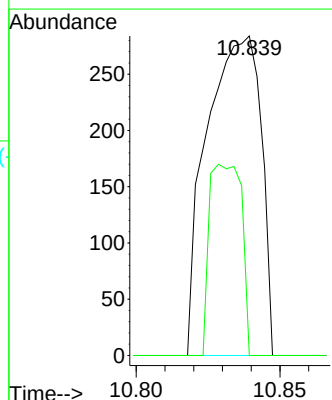
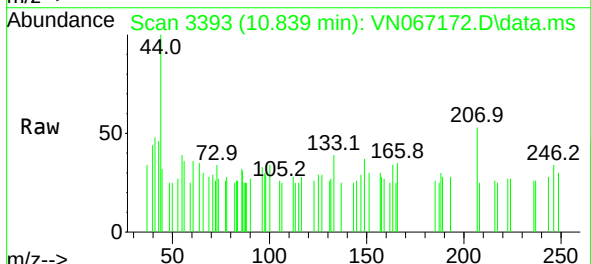
Instrument :
MSVOA_N
ClientSampled :
118-119

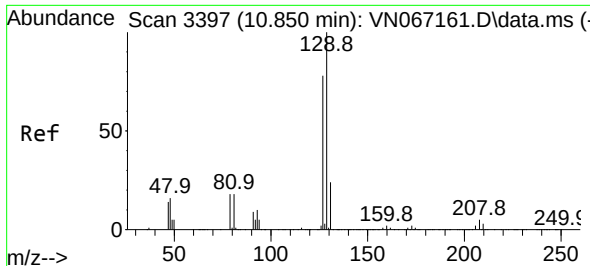
Tgt Ion: 63 Resp: 24
Ion Ratio Lower Upper
63 100
106 104.2 23.9 35.9#



#59
2-Hexanone
Concen: 18.95 ug/l
RT: 10.839 min Scan# 3393
Delta R.T. 0.139 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 43 Resp: 370
Ion Ratio Lower Upper
43 100
58 35.4 29.8 89.5

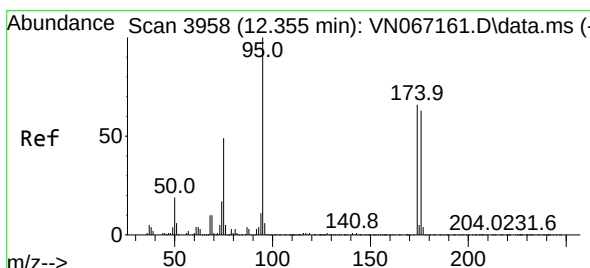
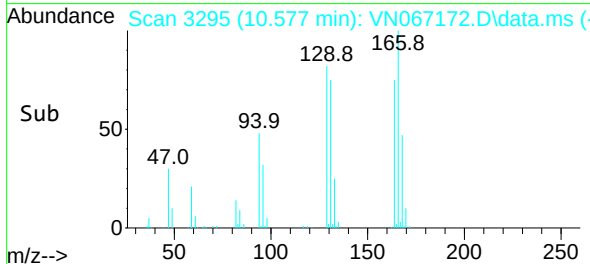
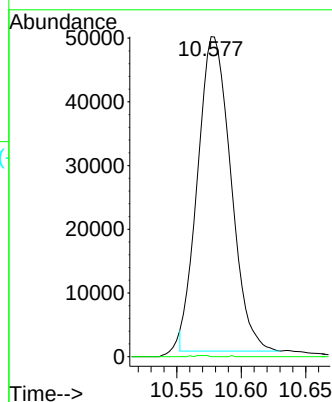
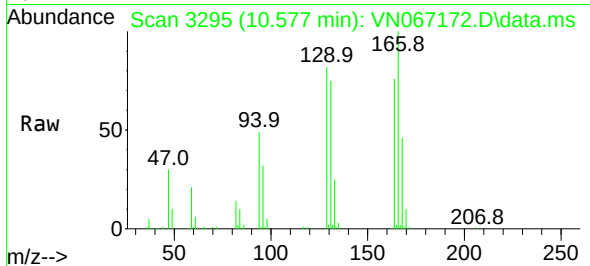




#60
Dibromochloromethane
Concen: 23.81 ug/l
RT: 10.577 min Scan# 3295
Delta R.T. -0.273 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

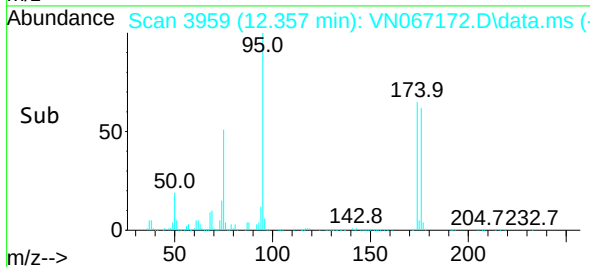
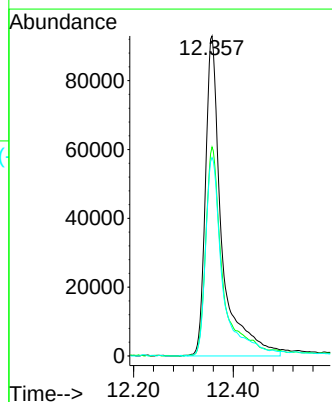
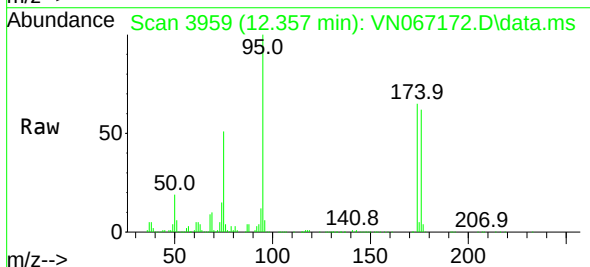
Instrument :
MSVOA_N
ClientSampled :
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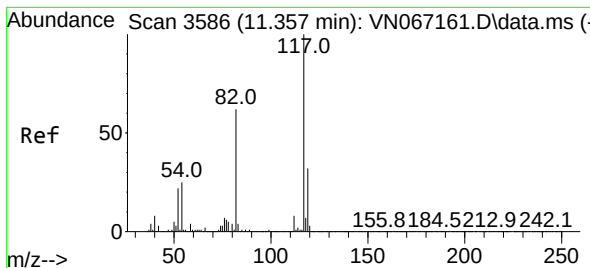
Tgt Ion:129 Resp: 88344
Ion Ratio Lower Upper
129 100
127 0.2 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 52.78 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 95 Resp: 212117
Ion Ratio Lower Upper
95 100
174 67.7 0.0 182.8
176 64.5 0.0 176.6

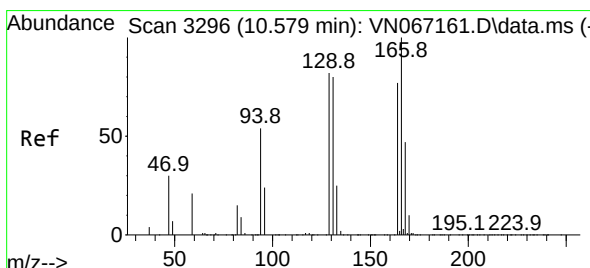
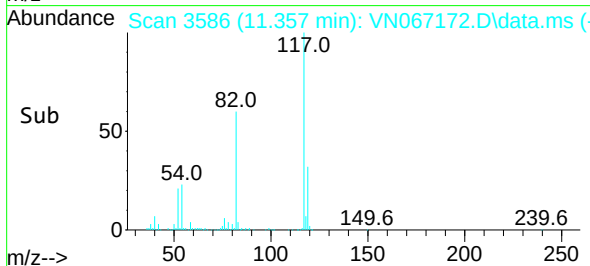
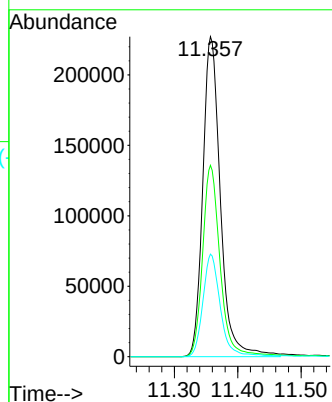
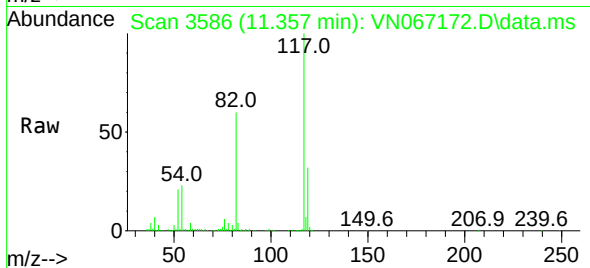




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.357 min Scan# 3586
Delta R.T. -0.000 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

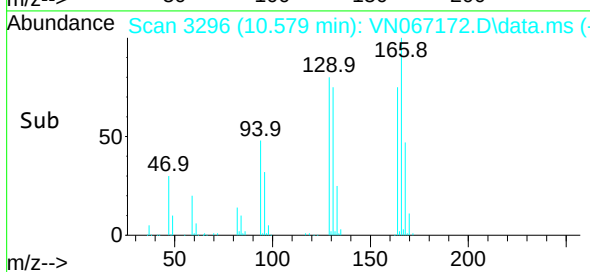
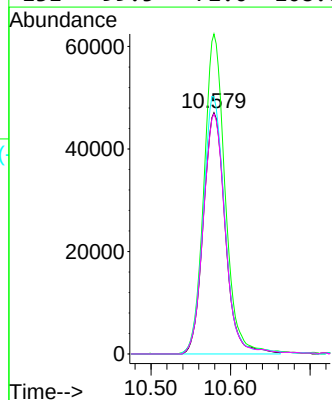
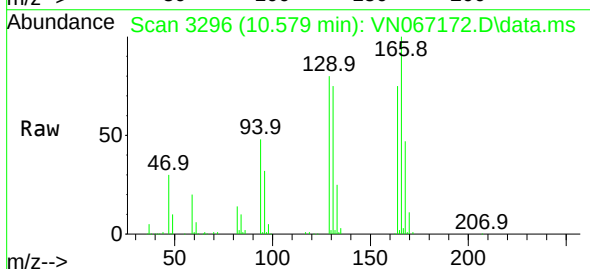
Instrument :
MSVOA_N
ClientSampleId :
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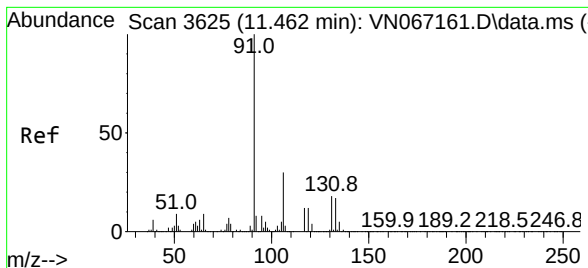
Tgt Ion:117 Resp: 439094
Ion Ratio Lower Upper
117 100
82 59.8 42.2 63.2
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 30.03 ug/l
RT: 10.579 min Scan# 3296
Delta R.T. 0.000 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion:164 Resp: 90048
Ion Ratio Lower Upper
164 100
166 132.3 103.0 154.6
129 106.6 73.3 109.9
131 99.5 72.0 108.0

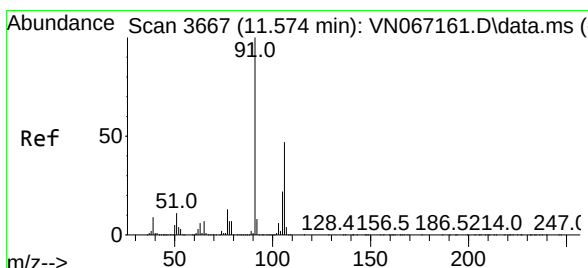
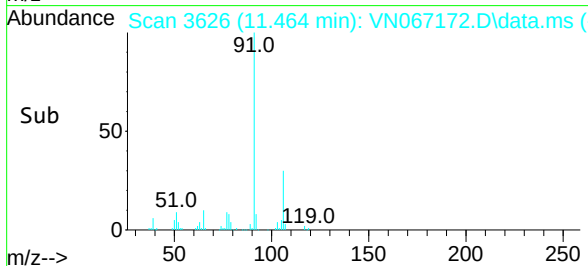
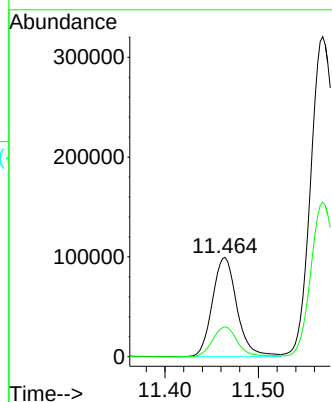
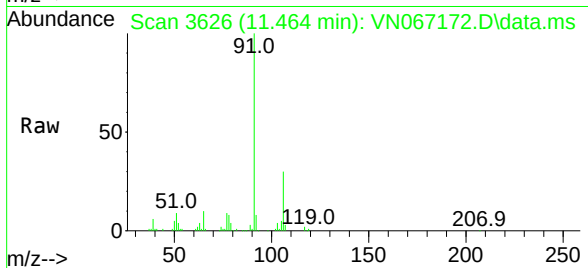




#67
Ethyl Benzene
Concen: 10.84 ug/l
RT: 11.464 min Scan# 3626
Delta R.T. 0.002 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

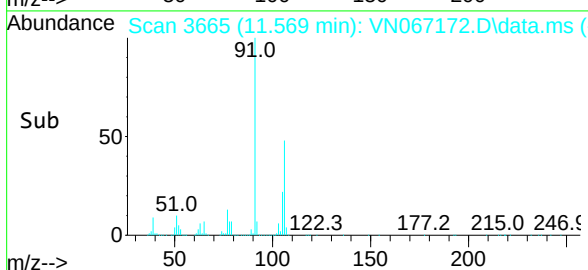
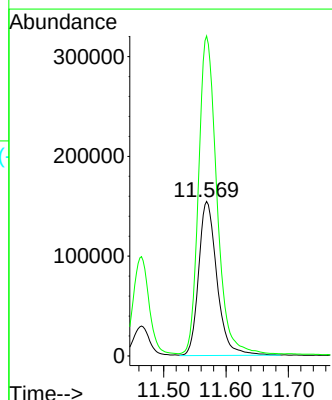
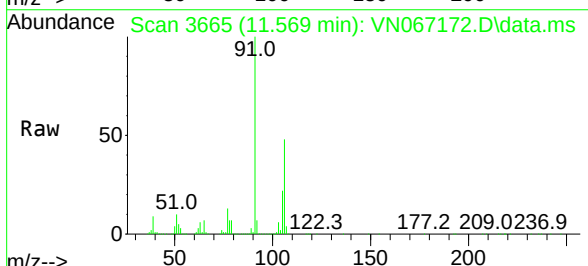
Instrument :
MSVOA_N
ClientSampleId :
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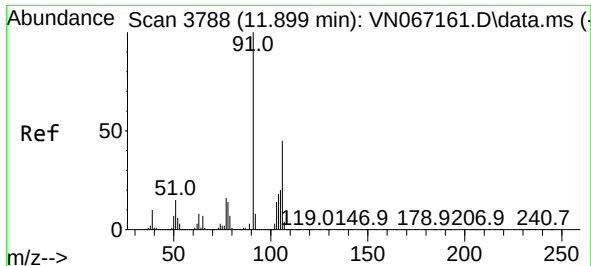
Tgt Ion: 91 Resp: 182278
Ion Ratio Lower Upper
91 100
106 30.1 26.2 39.2



#68
m/p-Xylenes
Concen: 53.00 ug/l
RT: 11.569 min Scan# 3665
Delta R.T. -0.005 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion:106 Resp: 315360
Ion Ratio Lower Upper
106 100
91 206.8 155.2 232.8

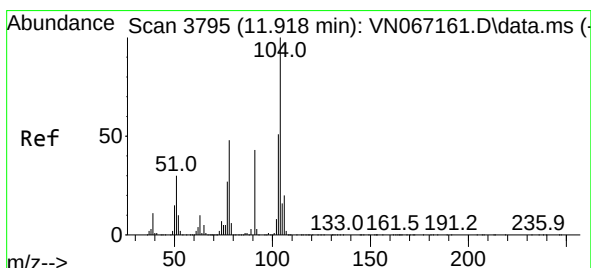
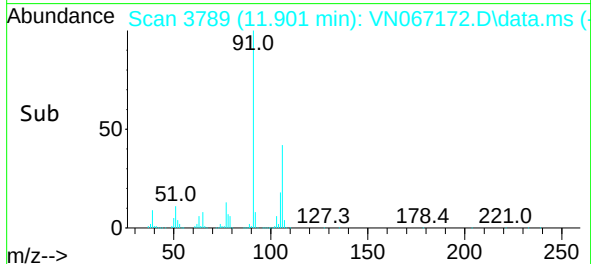
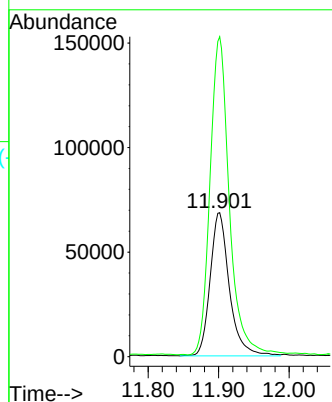
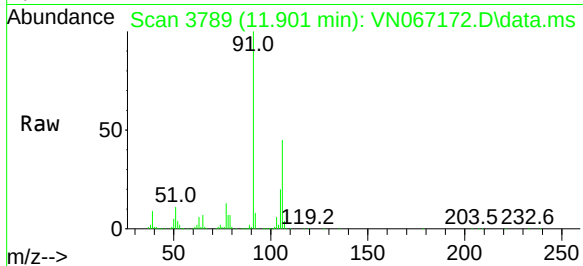




#69
o-Xylene
Concen: 21.17 ug/l
RT: 11.901 min Scan# 3789
Delta R.T. 0.002 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

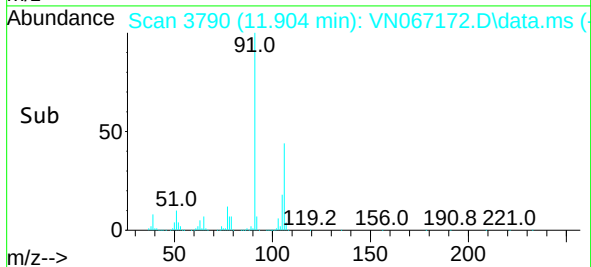
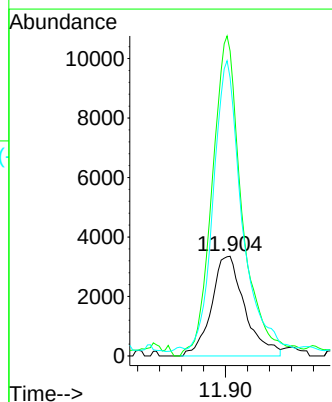
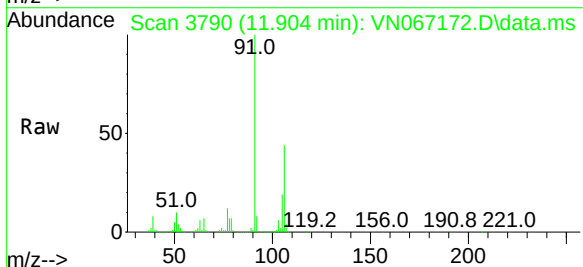
Instrument :
MSVOA_N
ClientSampled :
118-119

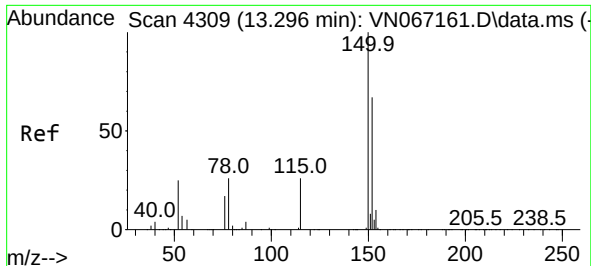
Tgt Ion:106 Resp: 129689
Ion Ratio Lower Upper
106 100
91 223.0 102.3 306.8



#70
Styrene
Concen: 3.13 ug/l
RT: 11.904 min Scan# 3790
Delta R.T. -0.014 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion:104 Resp: 7045
Ion Ratio Lower Upper
104 100
78 286.9 37.7 56.5#
103 244.8 44.2 66.4#

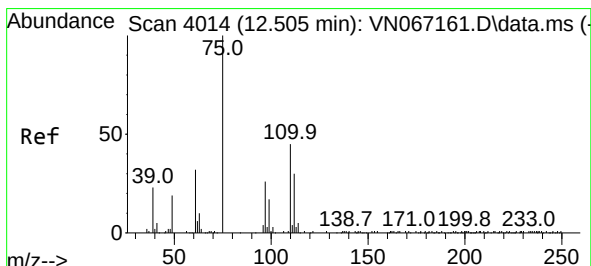
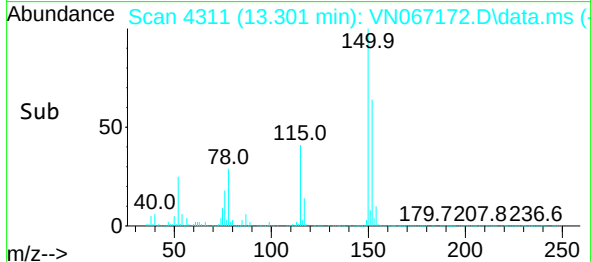
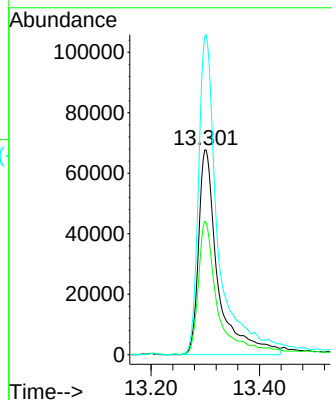
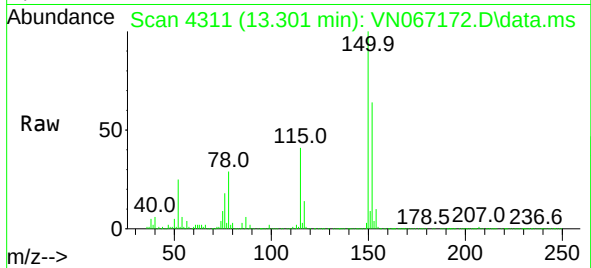




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.301 min Scan# 4311
Delta R.T. 0.005 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

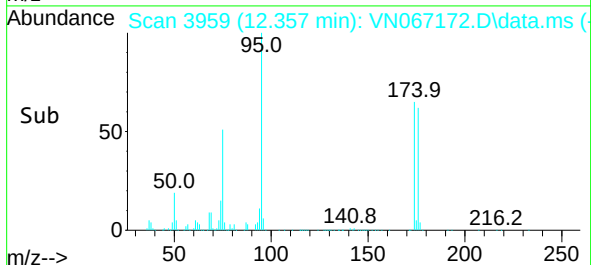
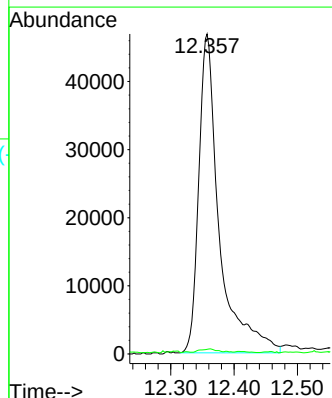
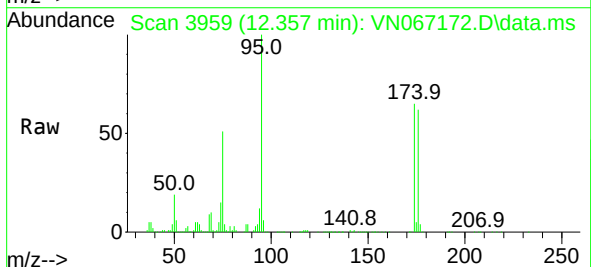
Instrument :
MSVOA_N
ClientSampled :
118-119

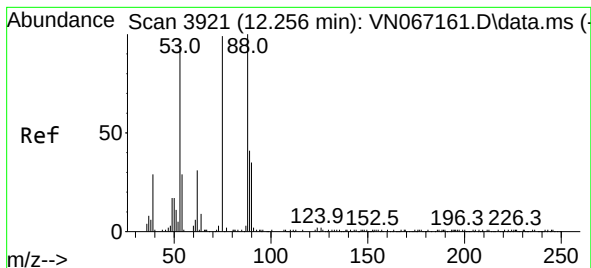
Tgt Ion:152 Resp: 169457
Ion Ratio Lower Upper
152 100
115 60.8 27.0 80.8
150 147.6 0.0 350.2



#76
1,2,3-Trichloropropane
Concen: 22.35 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. -0.148 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 75 Resp: 105427
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

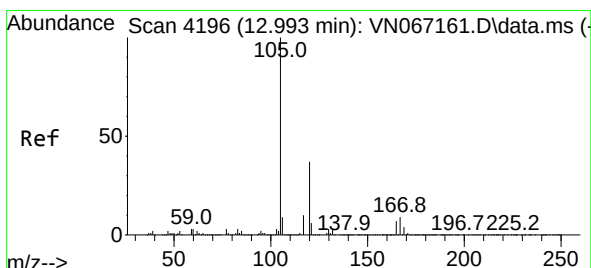
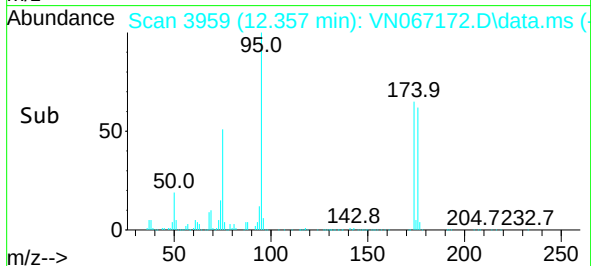
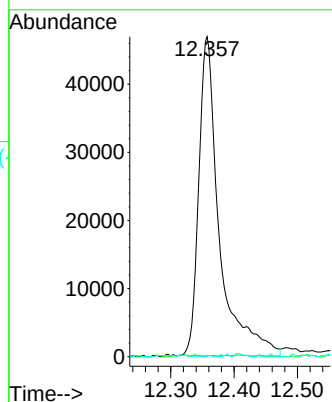
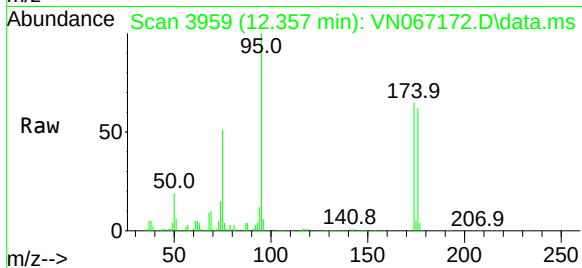




#81
trans-1,4-Dichloro-2-butene
Concen: 63.72 ug/l
RT: 12.357 min Scan# 3959
Delta R.T. 0.101 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

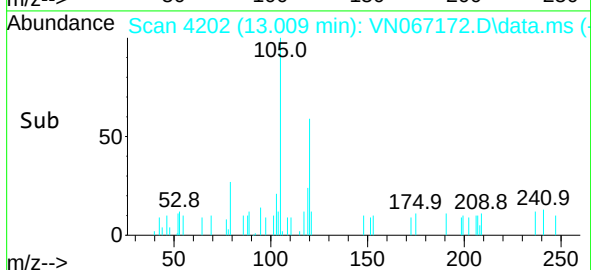
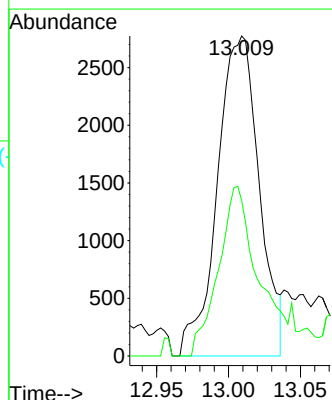
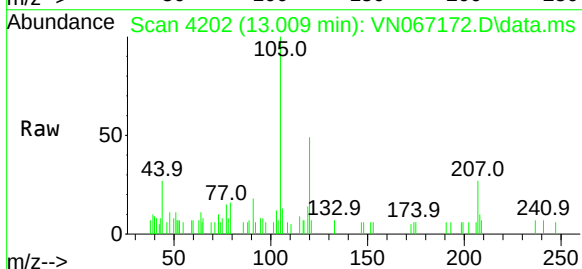
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MSVOA_N
ClientSampleId :
118-119

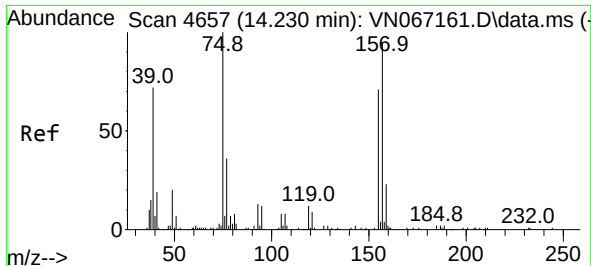
Tgt Ion: 75 Resp: 105427
Ion Ratio Lower Upper
75 100
53 0.1 66.3 99.5#
89 0.1 39.5 59.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.45 ug/l
RT: 13.009 min Scan# 4202
Delta R.T. 0.016 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion: 105 Resp: 5620
Ion Ratio Lower Upper
105 100
120 50.4 23.8 71.2

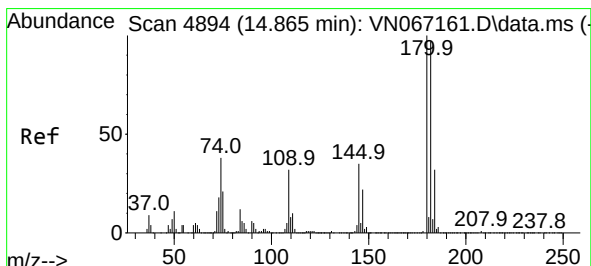
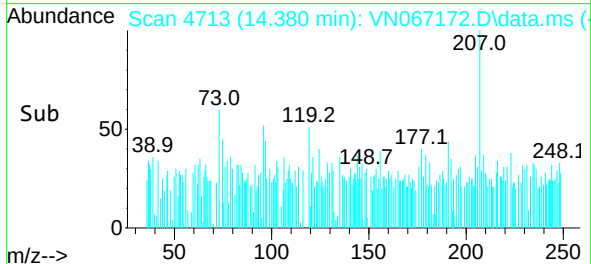
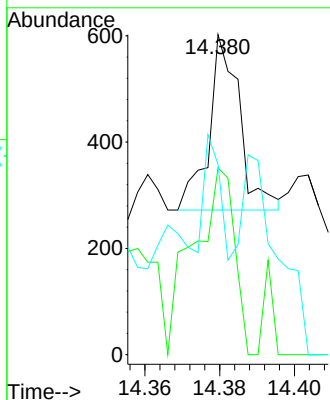
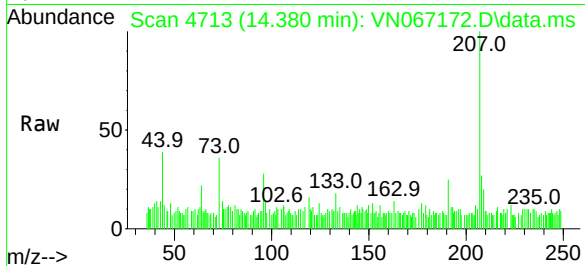




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.20 ug/l
 RT: 14.380 min Scan# 4713
 Delta R.T. 0.150 min
 Lab File: VN067172.D
 Acq: 26 May 2021 17:18

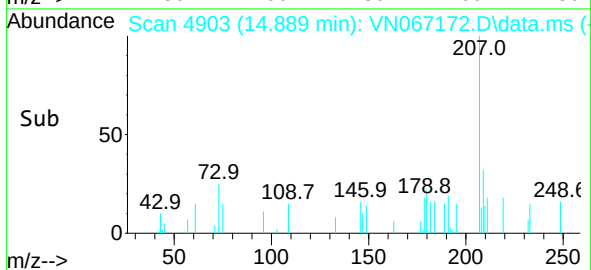
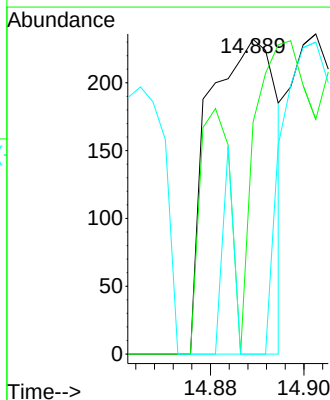
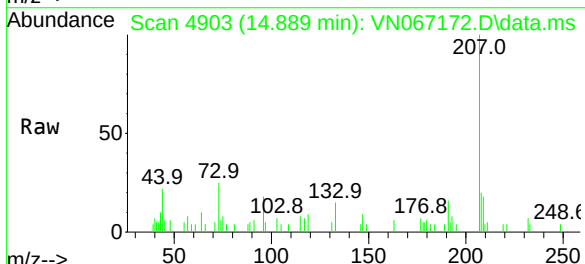
Instrument :
 MSVOA_N
 ClientSampleId :
 118-119

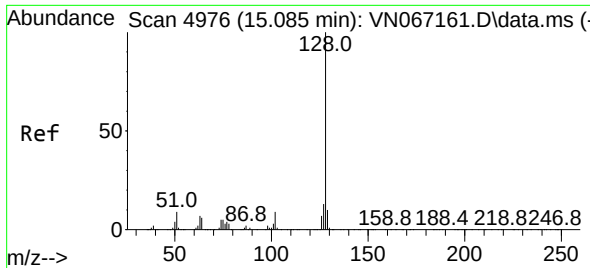
Tgt Ion: 75 Resp: 188
 Ion Ratio Lower Upper
 75 100
 155 142.0 49.9 149.7
 157 81.4 63.8 191.4



#93
 1,2,4-Trichlorobenzene
 Concen: 3.34 ug/l
 RT: 14.889 min Scan# 4903
 Delta R.T. 0.024 min
 Lab File: VN067172.D
 Acq: 26 May 2021 17:18

Tgt Ion: 180 Resp: 233
 Ion Ratio Lower Upper
 180 100
 182 83.3 47.3 141.8
 145 92.3 14.0 42.0#

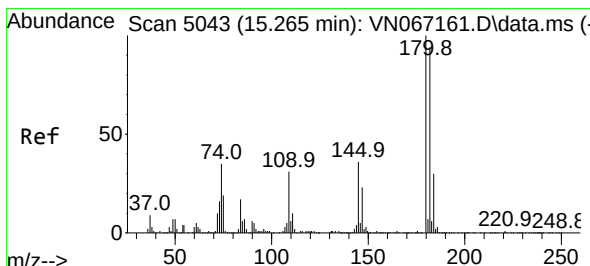
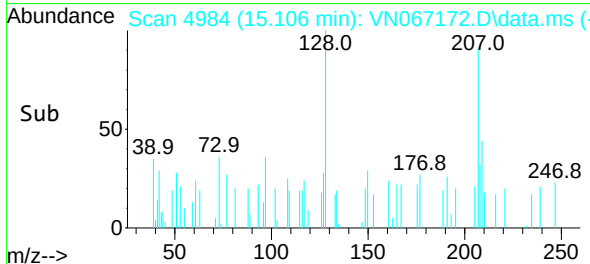
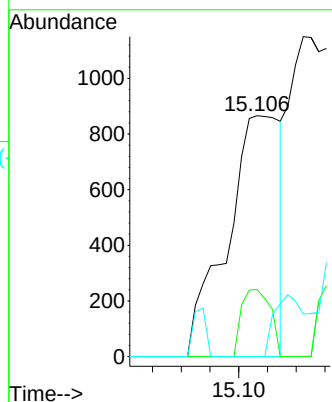
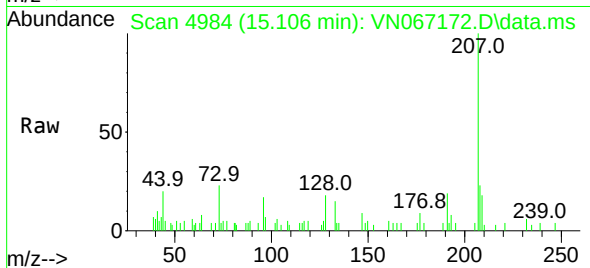




#95
Naphthalene
Concen: 3.98 ug/l
RT: 15.106 min Scan# 4984
Delta R.T. 0.021 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Instrument :
MSVOA_N
ClientSampled :
118-119

Tgt Ion:128 Resp: 1115
Ion Ratio Lower Upper
128 100
127 15.1 10.2 15.2
129 4.8 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.26 ug/l
RT: 15.278 min Scan# 5048
Delta R.T. 0.013 min
Lab File: VN067172.D
Acq: 26 May 2021 17:18

Tgt Ion:180 Resp: 630
Ion Ratio Lower Upper
180 100
182 15.2 48.5 145.6#
145 0.0 15.4 46.2#

