

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069114.D
 Acq On : 07 May 2021 20:48
 Operator : VA/SY
 Sample : M2295-05
 Misc : 4.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DRUM-D-E

Quant Time: May 08 00:11:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

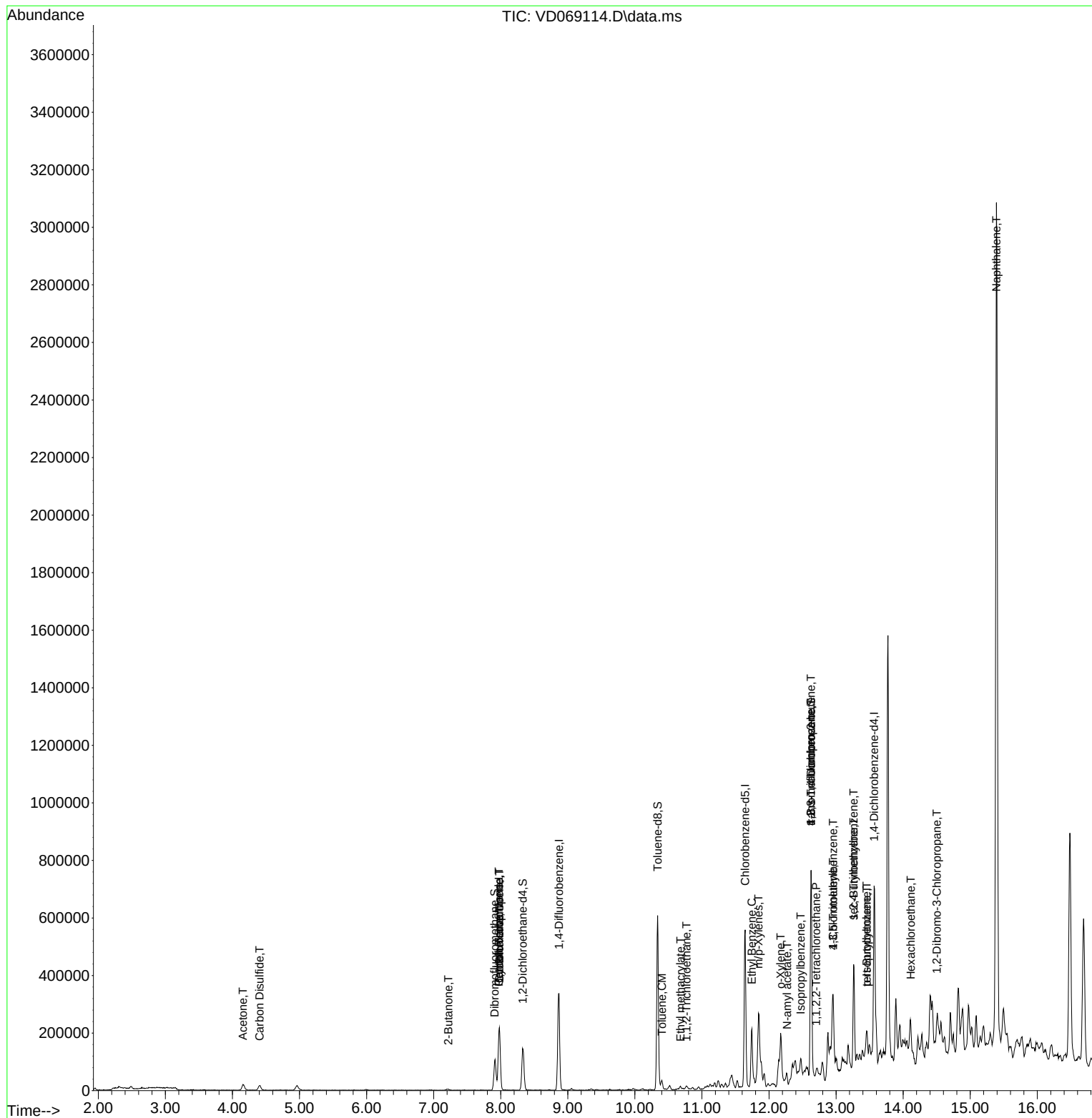
Internal Standards						
1) Pentafluorobenzene	7.973	168	160395	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.867	114	303988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	330469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	174534	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	113977	55.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	110.28%		
35) Dibromofluoromethane	7.909	113	73260	35.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	70.28%		
50) Toluene-d8	10.338	98	401220	52.13	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.26%		
62) 4-Bromofluorobenzene	12.626	95	155534	61.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	122.88%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.220	59	451	Below Cal	#	81
16) Acetone	4.156	43	32654	97.37	ug/l	89
17) Carbon Disulfide	4.403	76	34564	6.08	ug/l	# 93
20) Methylene Chloride	4.968	84	12803	Below Cal	#	87
25) 2-Butanone	7.220	43	2792	6.32	ug/l	# 38
31) Cyclohexane	7.979	56	4338	1.45	ug/l	# 45
36) 1,1-Dichloropropene	7.979	75	13205	4.13	ug/l	# 51
38) Carbon Tetrachloride	7.973	117	16041	4.62	ug/l	# 20
52) Toluene	10.403	92	13954	2.48	ug/l	100
55) 1,1,2-Trichloroethane	10.767	97	4679	2.81	ug/l	# 18
56) Ethyl methacrylate	10.679	69	1395	3.04	ug/l	# 2
67) Ethyl Benzene	11.744	91	142603	11.93	ug/l	97
68) m/p-Xylenes	11.844	106	68181	15.16	ug/l	93
69) o-Xylene	12.173	106	39307	9.75	ug/l	96
73) Isopropylbenzene	12.473	105	38585	3.19	ug/l	98
74) N-amyl acetate	12.267	43	7661	3.02	ug/l	# 70
75) 1,1,2,2-Tetrachloroethane	12.702	83	3341	1.41	ug/l	# 60
76) 1,2,3-Trichloropropane	12.626	75	79308	52.20	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.955	105	77592	7.54	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.626	75	79308	113.58	ug/l	# 10
82) 4-Chlorotoluene	12.955	91	9180	1.04	ug/l	# 48
83) tert-Butylbenzene	13.455	119	15921	1.90	ug/l	68
84) 1,2,4-Trimethylbenzene	13.261	105	208312	20.27	ug/l	99
85) sec-Butylbenzene	13.261	105	208312	17.17	ug/l	# 57
86) p-Isopropyltoluene	13.455	119	15921	1.42	ug/l	86
90) Hexachloroethane	14.114	117	6441	2.80	ug/l	# 17
92) 1,2-Dibromo-3-Chloropr...	14.502	75	3382	8.68	ug/l	# 5
95) Naphthalene	15.391	128	2656065	424.52	ug/l	99

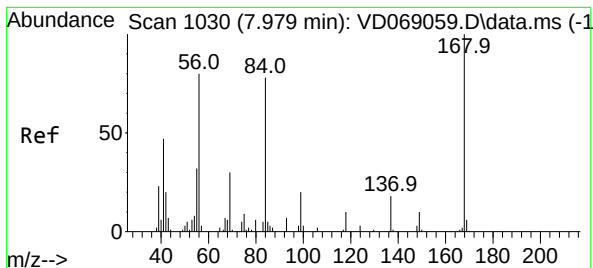
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
Data File : VD069114.D
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Quant Title : SW846 8260
QLast Update : Wed May 05 04:16:41 2021
Response via : Initial Calibration

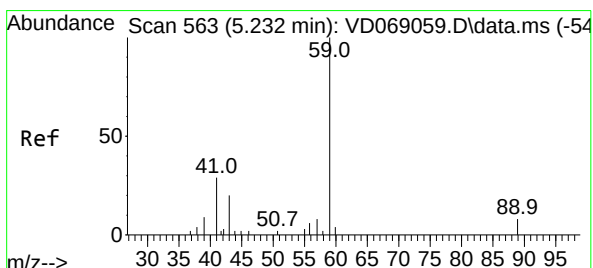
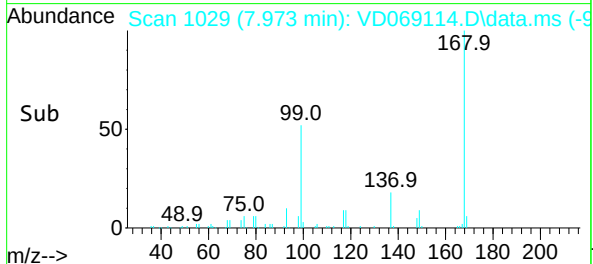
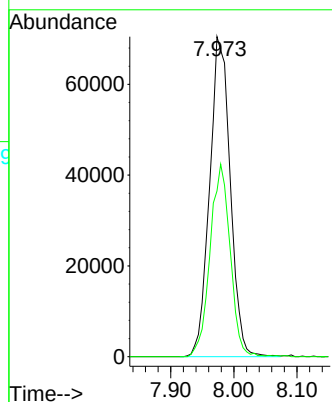
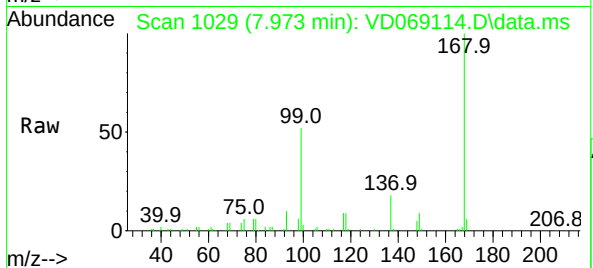




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

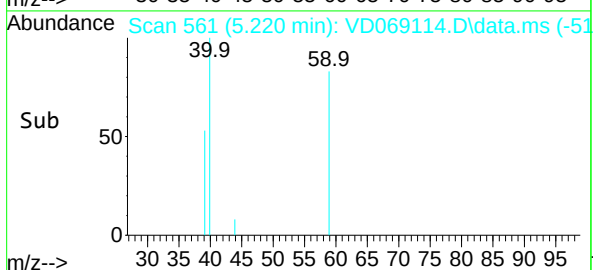
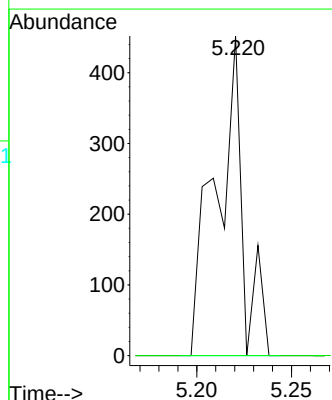
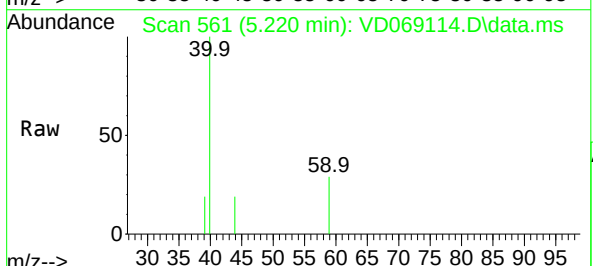
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

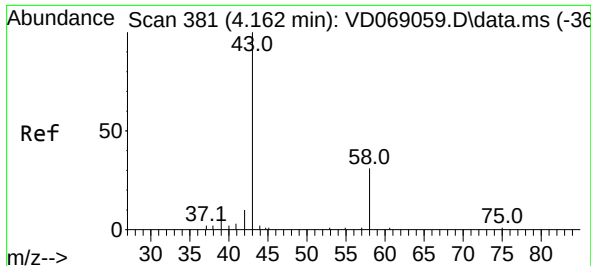
Tgt Ion:168 Resp: 160395
Ion Ratio Lower Upper
168 100
99 51.8 52.6 78.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. -0.012 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 59 Resp: 451
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

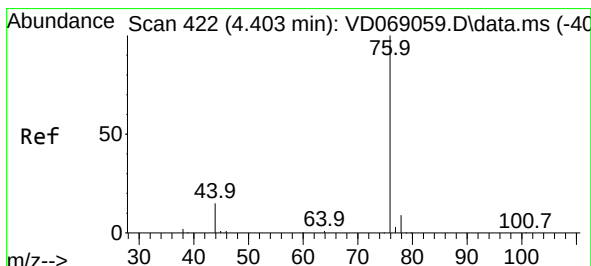
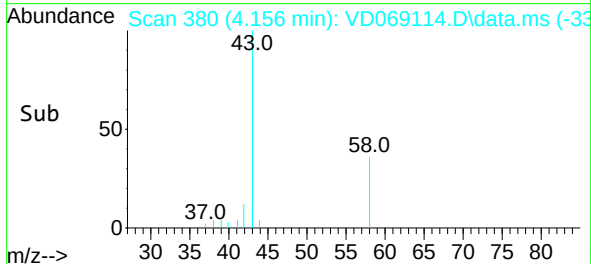
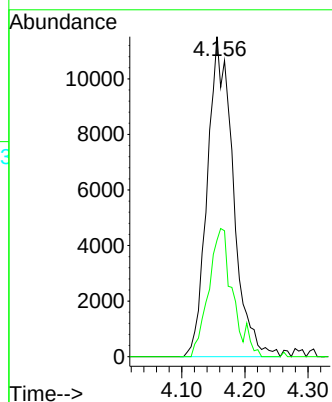
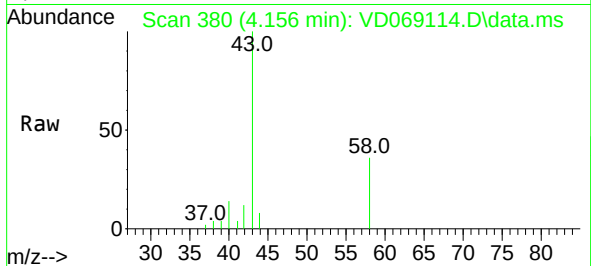




#16
Acetone
Concen: 97.37 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

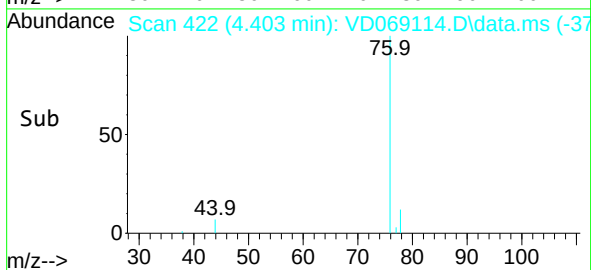
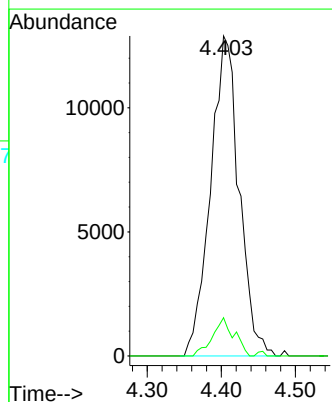
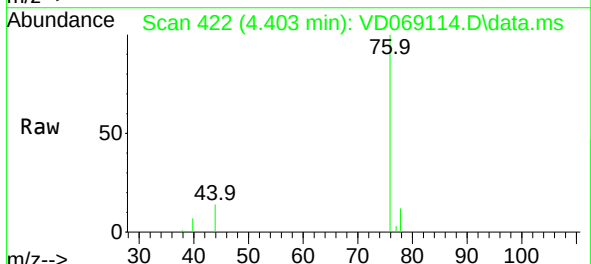
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

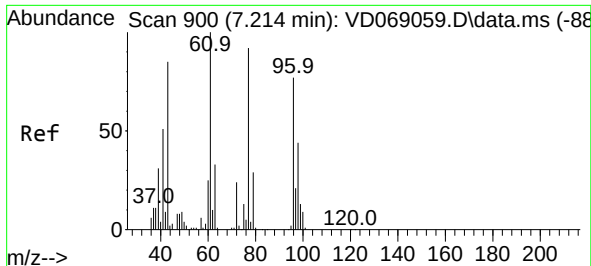
Tgt Ion: 43 Resp: 32654
Ion Ratio Lower Upper
43 100
58 36.4 24.5 36.7



#17
Carbon Disulfide
Concen: 6.08 ug/l
RT: 4.403 min Scan# 422
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 76 Resp: 34564
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.2#

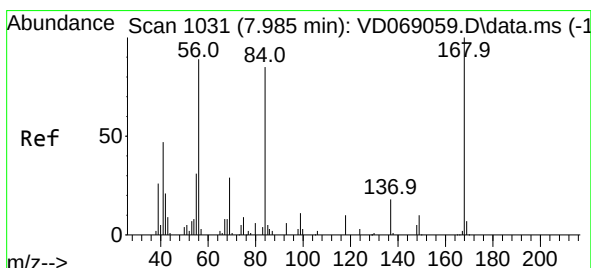
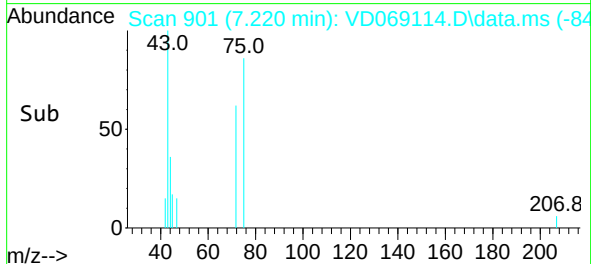
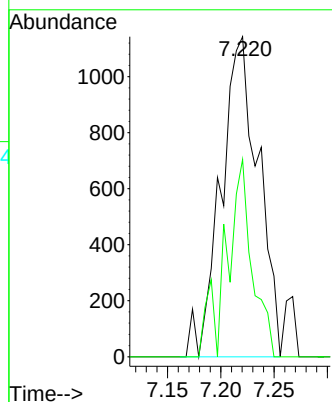
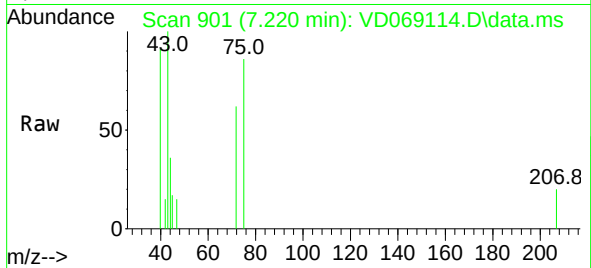




#25
2-Butanone
Concen: 6.32 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

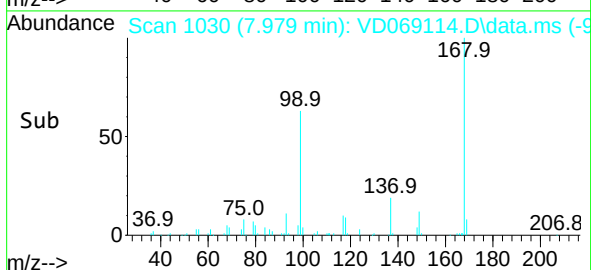
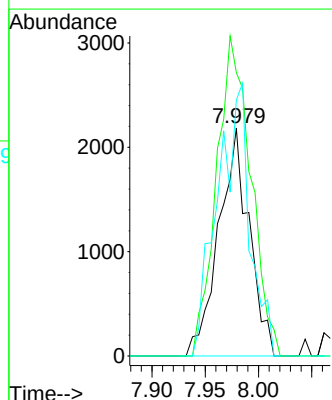
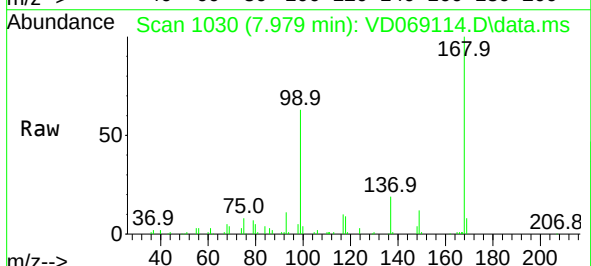
Instrument :
MSVOA_D
ClientSampled :
DRUM-D-E

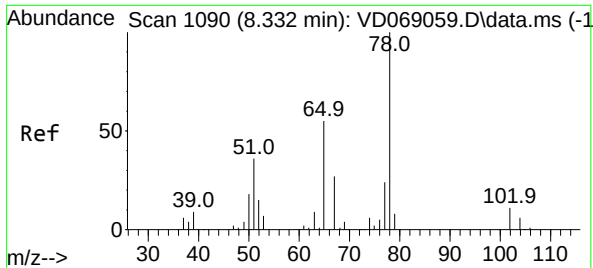
Tgt Ion: 43 Resp: 2792
Ion Ratio Lower Upper
43 100
72 61.7 23.0 34.4#



#31
Cyclohexane
Concen: 1.45 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 56 Resp: 4338
Ion Ratio Lower Upper
56 100
69 124.4 26.3 39.5#
84 112.3 75.9 113.9

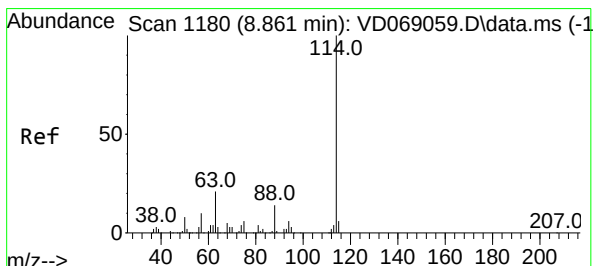
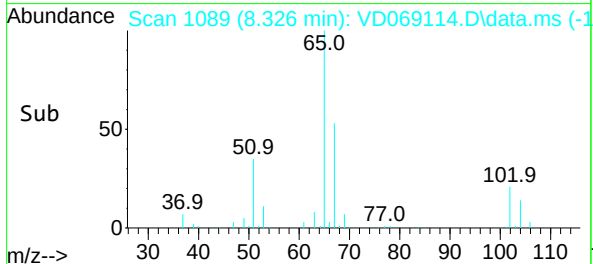
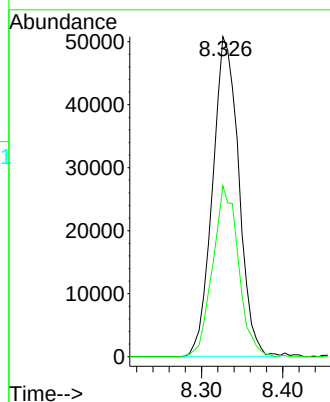
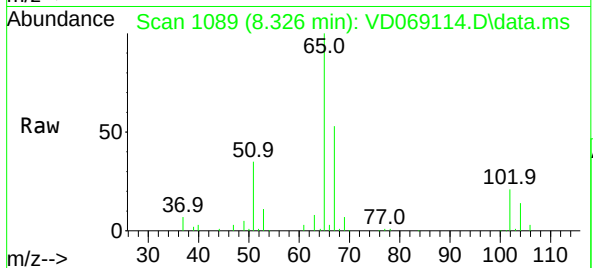




#33
1,2-Dichloroethane-d4
Concen: 55.14 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

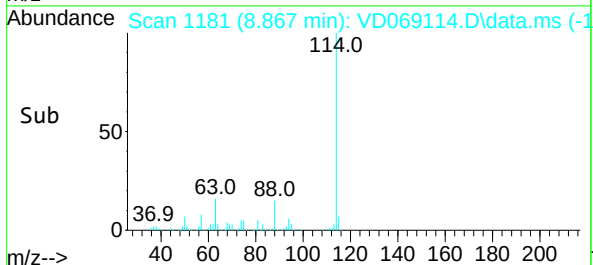
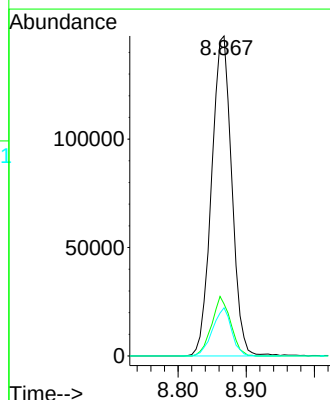
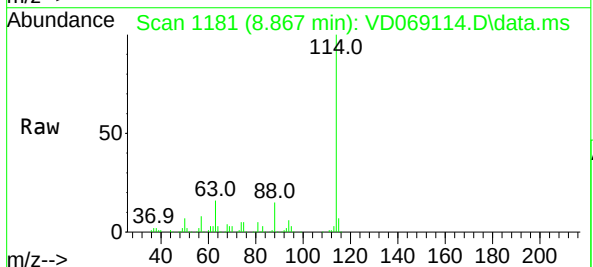
Instrument :
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ClientSampleId :
DRUM-D-E

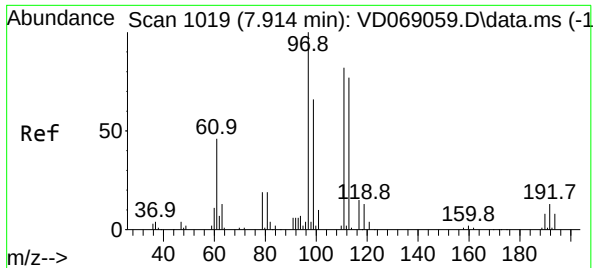
Tgt Ion: 65 Resp: 113977
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

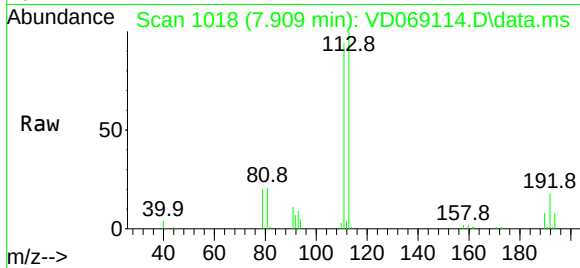
Tgt Ion: 114 Resp: 303988
Ion Ratio Lower Upper
114 100
63 16.3 0.0 41.4
88 15.1 0.0 27.8



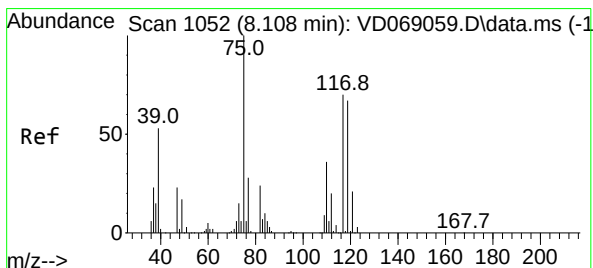
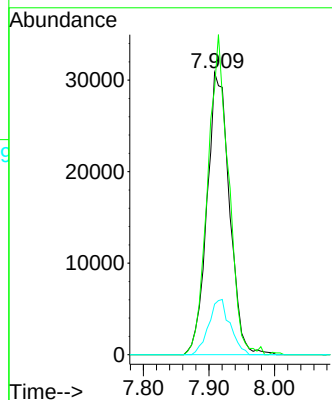
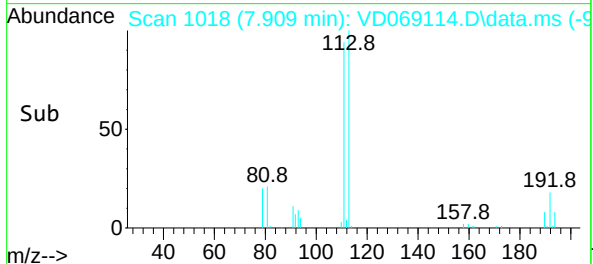


#35
Dibromofluoromethane
Concen: 35.14 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

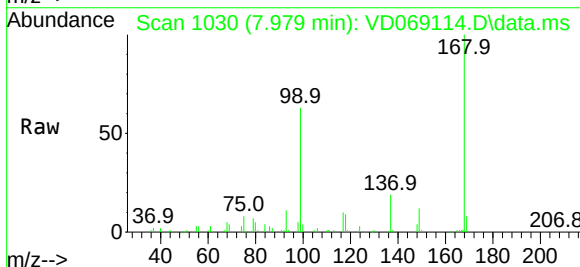
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E



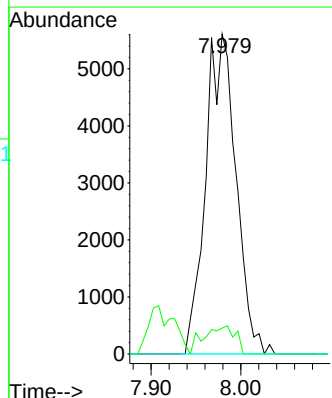
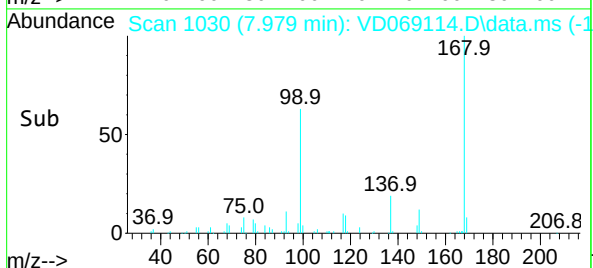
Tgt Ion:113 Resp: 73260
Ion Ratio Lower Upper
113 100
111 105.3 84.6 126.8
192 18.7 13.5 20.3

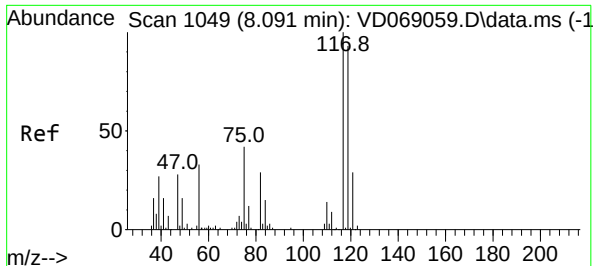


#36
1,1-Dichloropropene
Concen: 4.13 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48



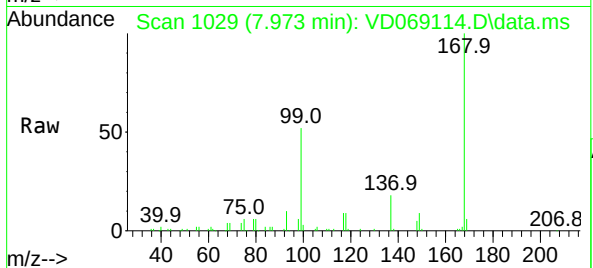
Tgt Ion: 75 Resp: 13205
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.7#
77 0.0 23.9 35.9#



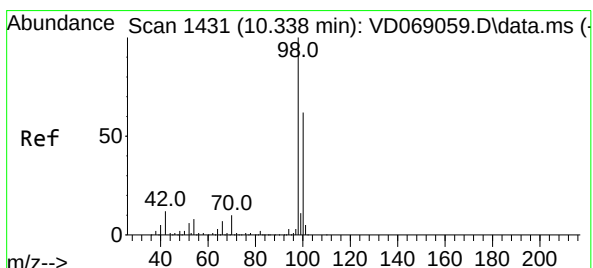
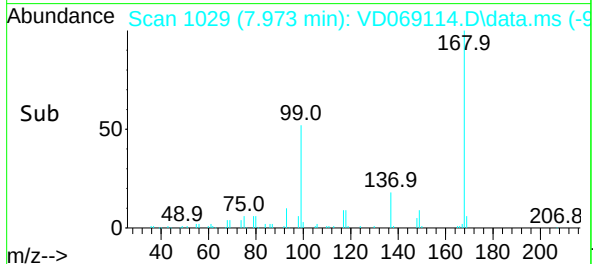
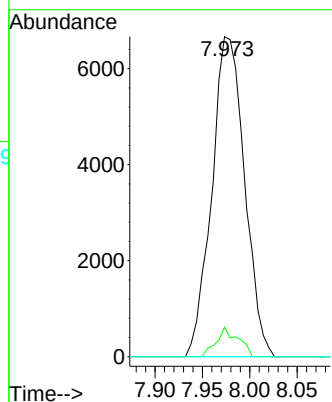


#38
Carbon Tetrachloride
Concen: 4.62 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Instrument :
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DRUM-D-E

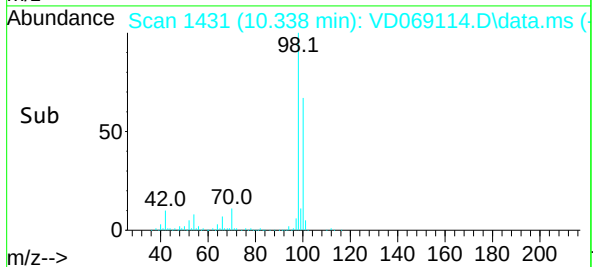
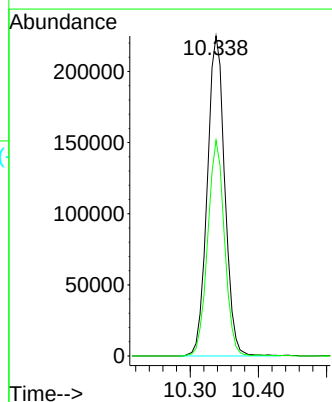
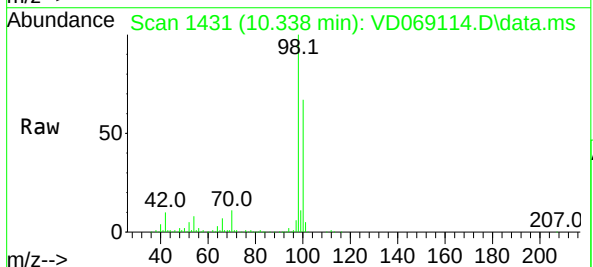


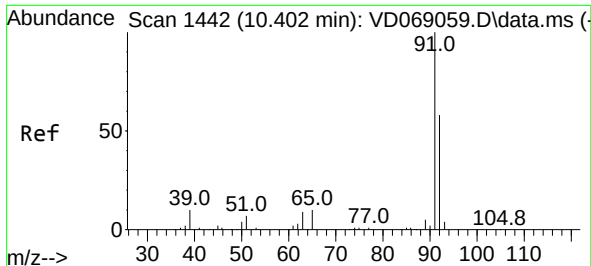
Tgt Ion:117 Resp: 16041
Ion Ratio Lower Upper
117 100
119 9.2 74.7 112.1#
121 0.0 23.1 34.7#



#50
Toluene-d8
Concen: 52.13 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 98 Resp: 401220
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

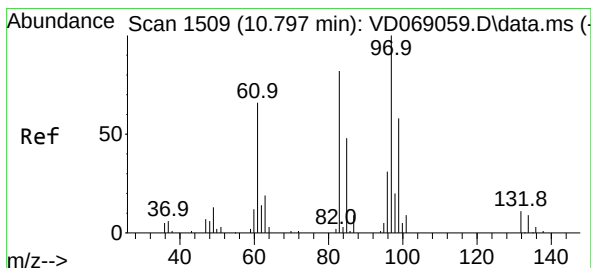
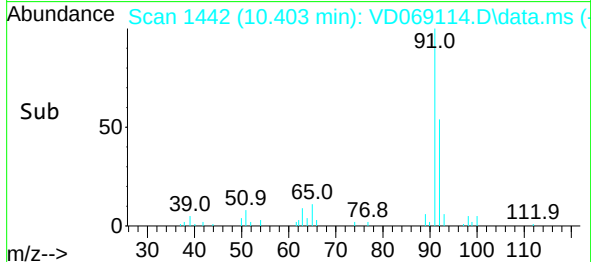
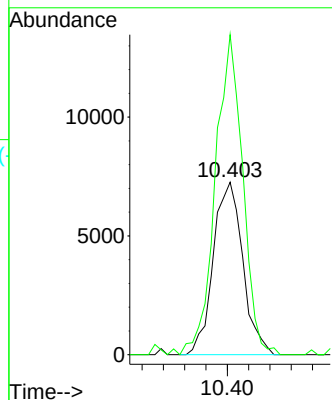
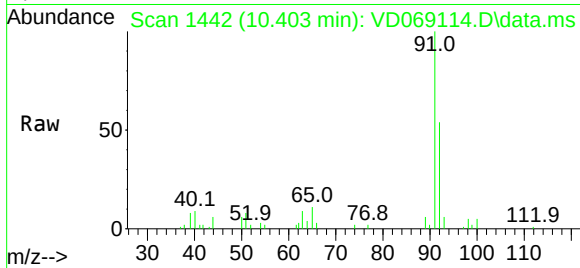




#52
Toluene
Concen: 2.48 ug/l
RT: 10.403 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

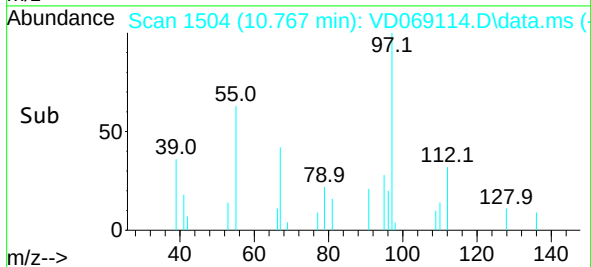
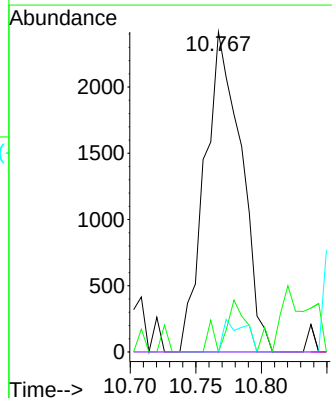
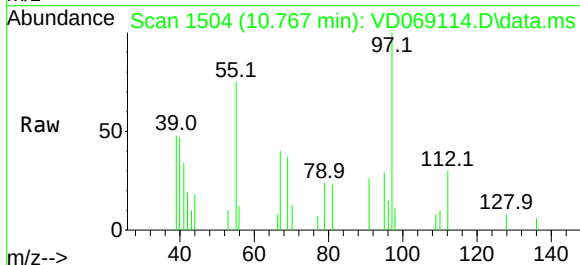
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

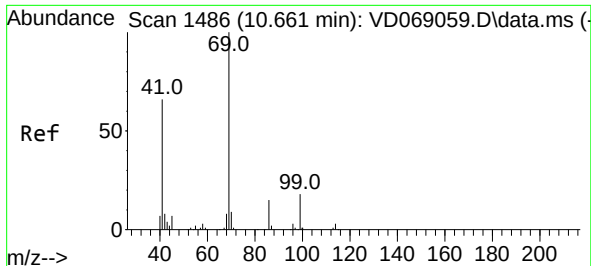
Tgt Ion: 92 Resp: 13954
Ion Ratio Lower Upper
92 100
91 173.0 138.2 207.2



#55
1,1,2-Trichloroethane
Concen: 2.81 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 97 Resp: 4679
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 38.6 57.8#
99 0.0 46.1 69.1#

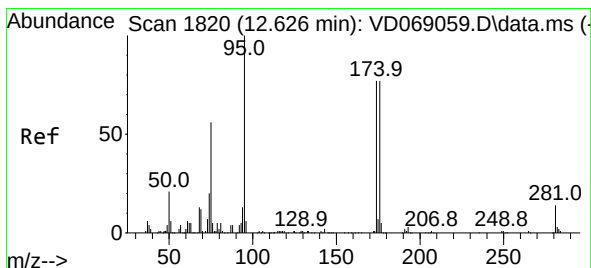
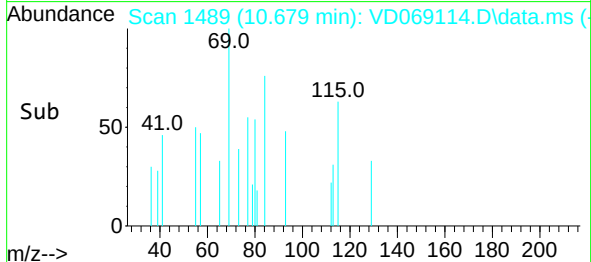
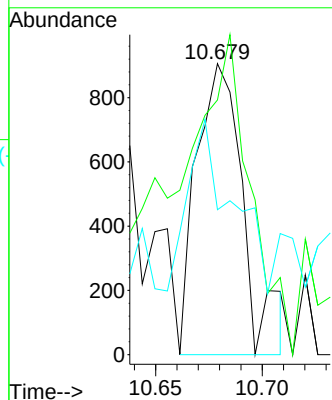
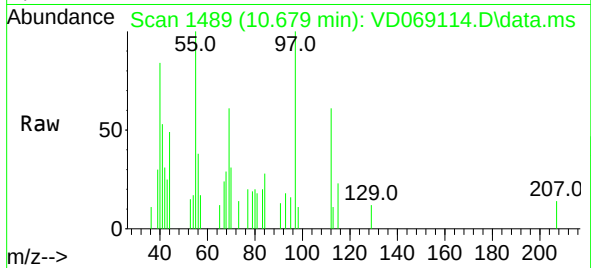




#56
Ethyl methacrylate
Concen: 3.04 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

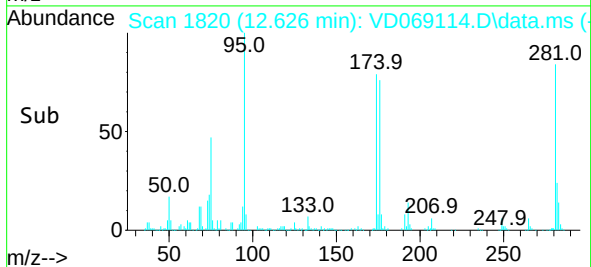
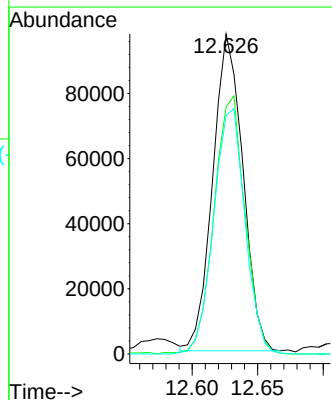
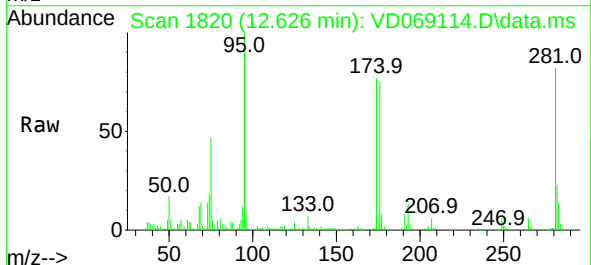
Instrument :
MSVOA_D
ClientSampled :
DRUM-D-E

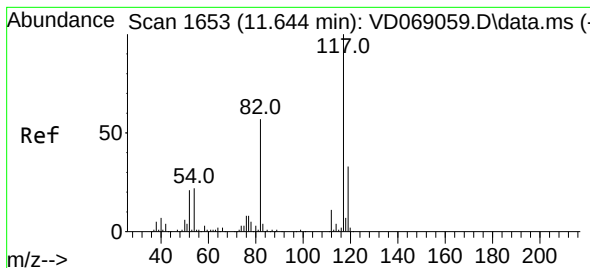
Tgt Ion: 69 Resp: 1395
Ion Ratio Lower Upper
69 100
41 157.9 49.2 73.8#
39 68.6 29.8 44.6#



#62
4-Bromofluorobenzene
Concen: 61.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 95 Resp: 155534
Ion Ratio Lower Upper
95 100
174 84.1 0.0 156.0
176 80.6 0.0 149.4

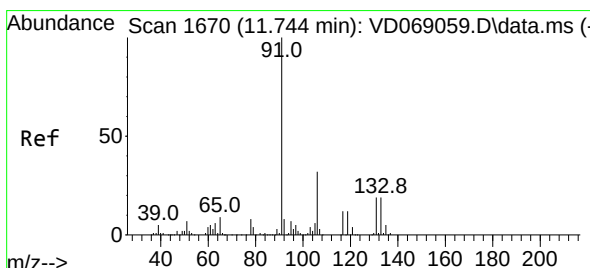
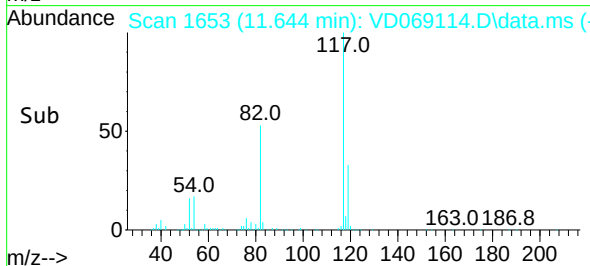
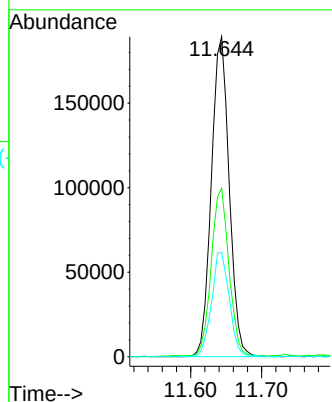
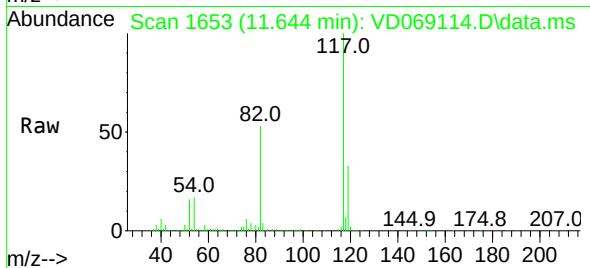




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

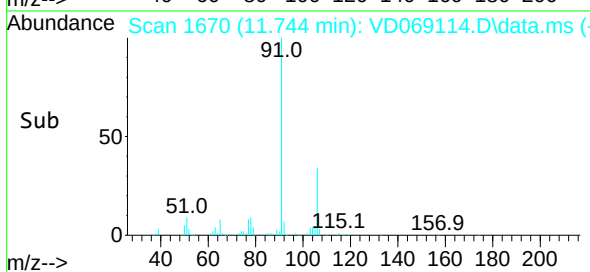
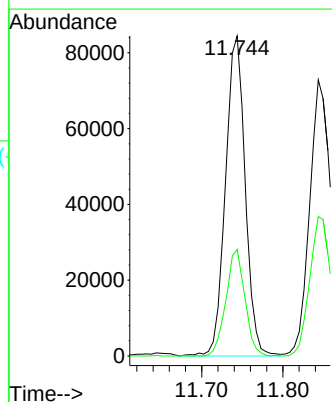
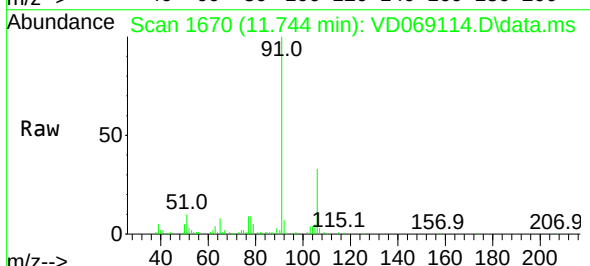
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

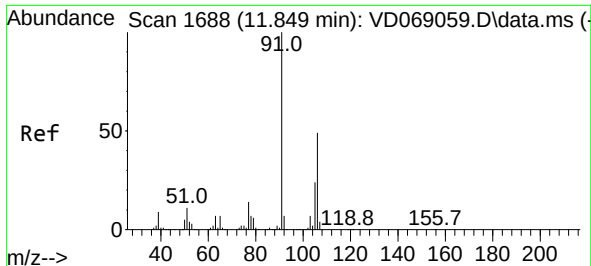
Tgt Ion:117 Resp: 330469
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.2
119 32.6 26.8 40.2



#67
Ethyl Benzene
Concen: 11.93 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 91 Resp: 142603
Ion Ratio Lower Upper
91 100
106 33.3 25.5 38.3

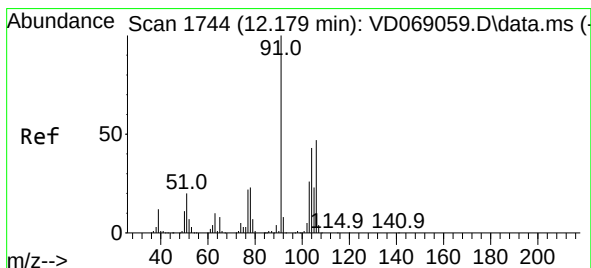
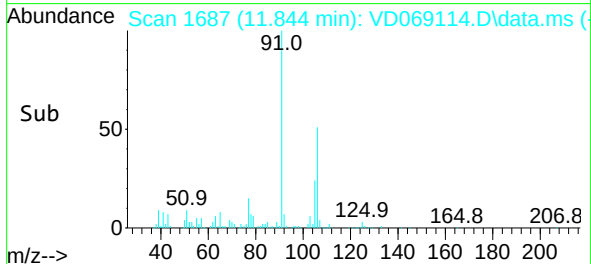
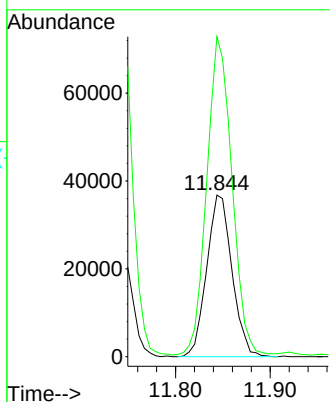
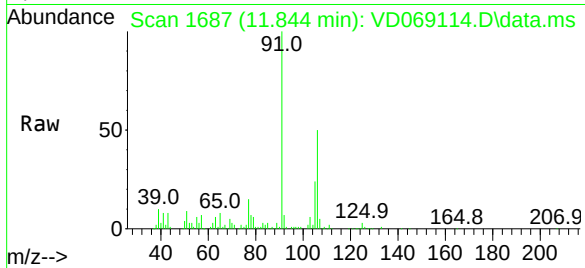




#68
m/p-Xylenes
Concen: 15.16 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

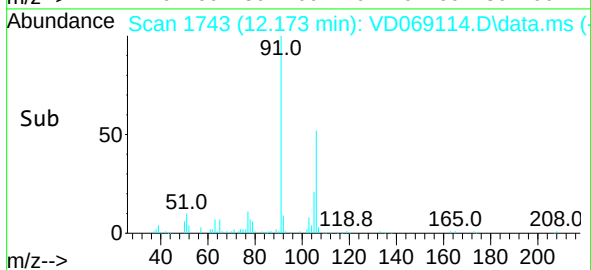
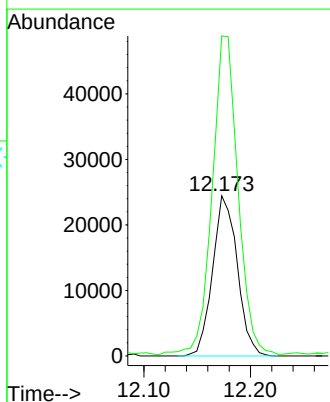
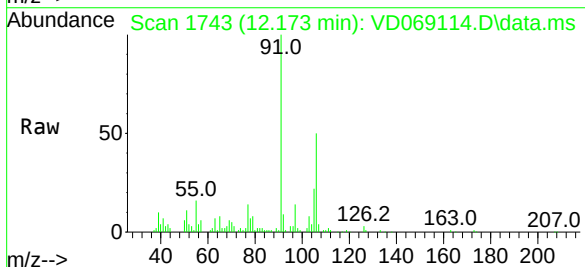
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

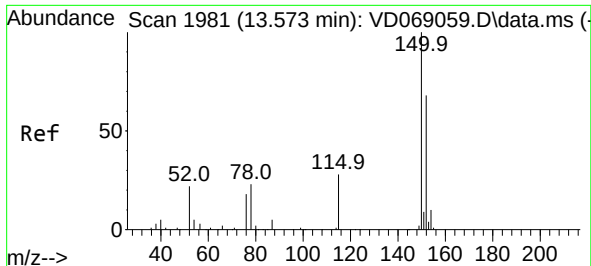
Tgt Ion:106 Resp: 68181
Ion Ratio Lower Upper
106 100
91 195.5 164.6 246.8



#69
o-Xylene
Concen: 9.75 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion:106 Resp: 39307
Ion Ratio Lower Upper
106 100
91 207.8 107.1 321.4

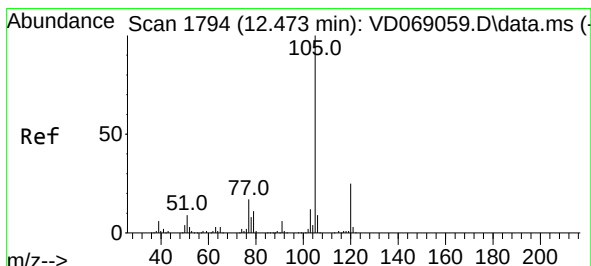
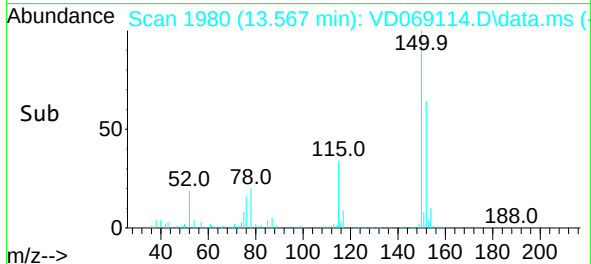
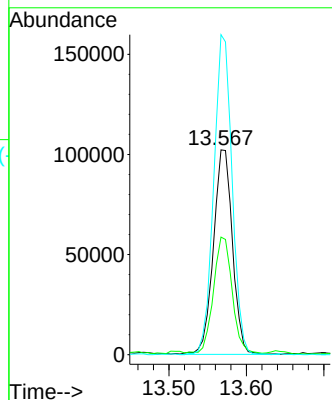
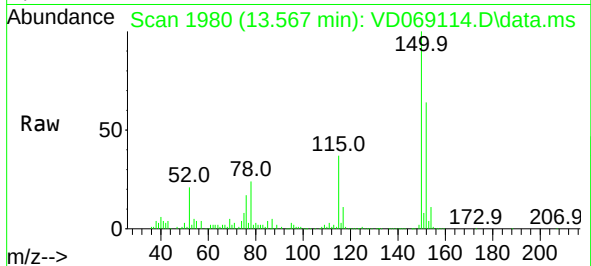




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

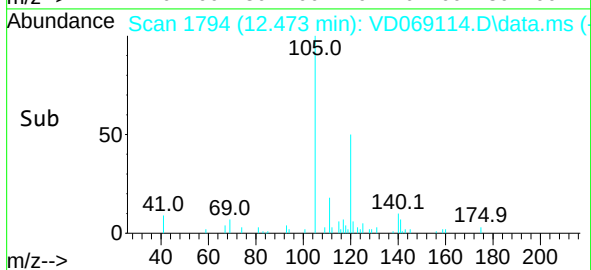
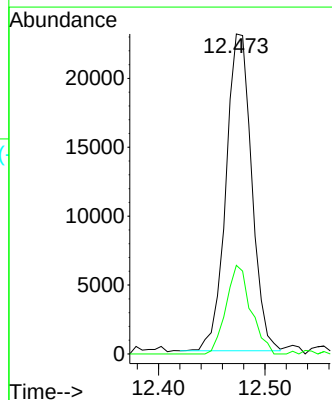
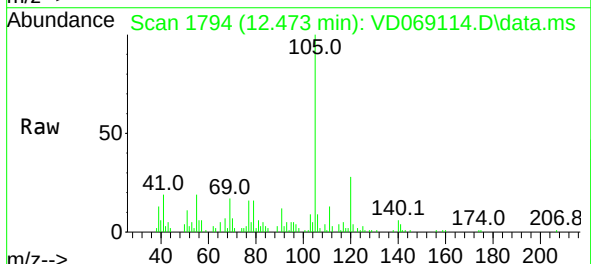
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

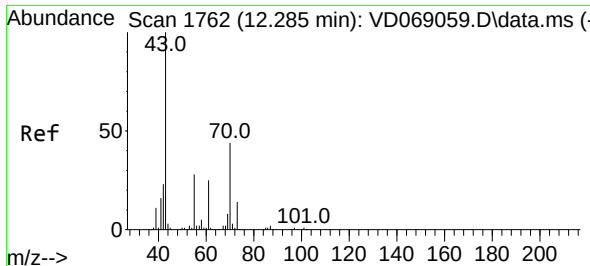
Tgt Ion:152 Resp: 174534
Ion Ratio Lower Upper
152 100
115 55.4 30.5 91.5
150 150.4 0.0 340.8



#73
Isopropylbenzene
Concen: 3.19 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion:105 Resp: 38585
Ion Ratio Lower Upper
105 100
120 26.9 13.1 39.1

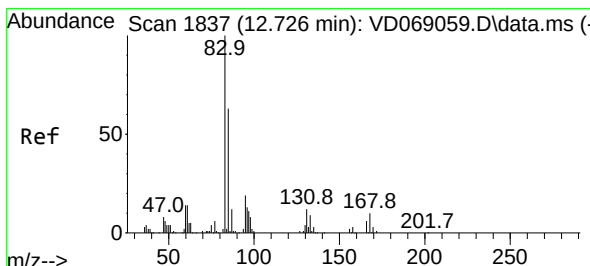
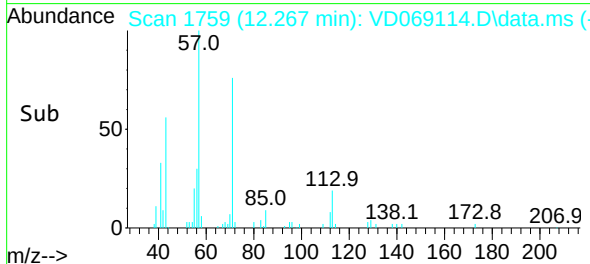
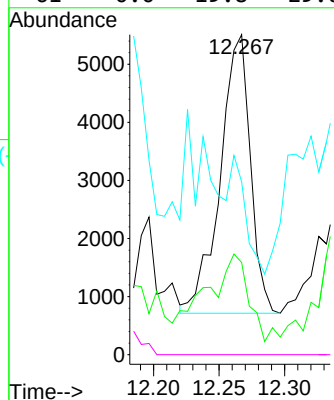
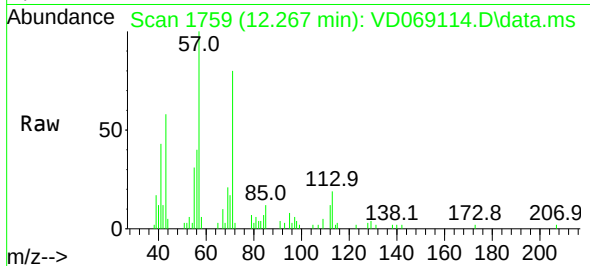




#74
N-amy1 acetate
Concen: 3.02 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

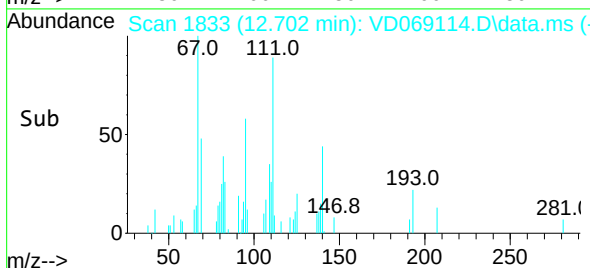
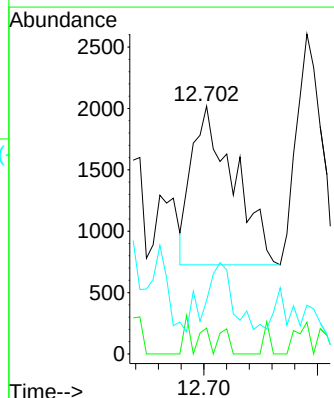
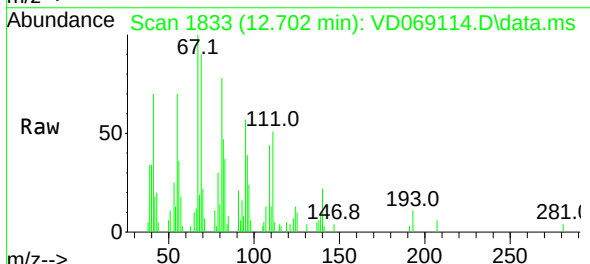
Instrument :
MSVOA_D
ClientSampled :
DRUM-D-E

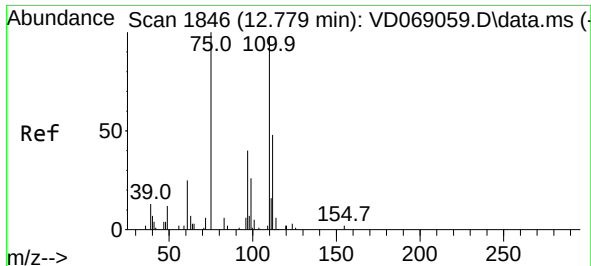
Tgt Ion: 43	Resp: 7661
Ion Ratio	Lower Upper
43 100	
70 41.0	36.4 54.6
55 0.0	21.8 32.8#
61 0.0	19.8 29.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.41 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.023 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 83	Resp: 3341		
Ion Ratio	Lower	Upper	
83 100			
131 4.0	5.2	15.6#	
85 28.6	30.9	92.8#	

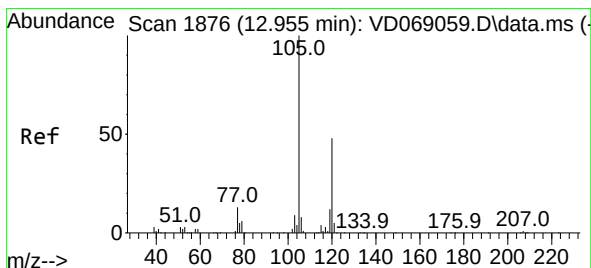
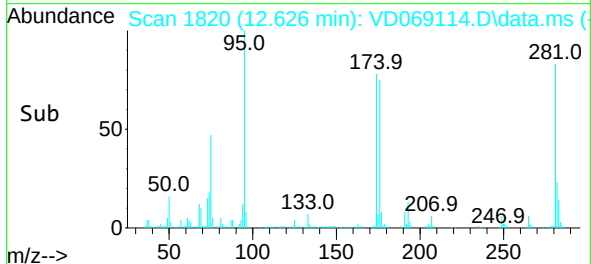
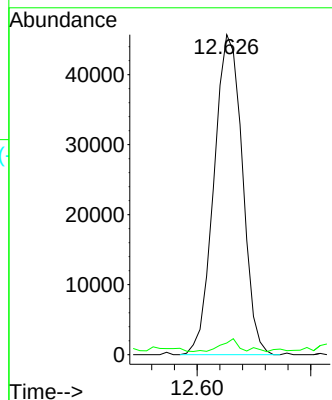
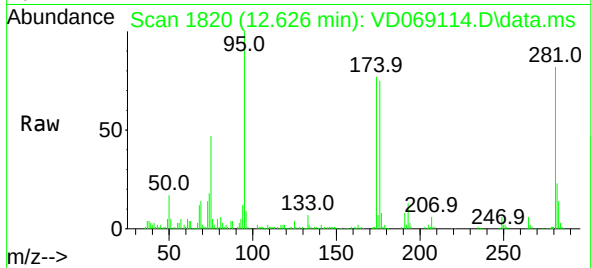




#76
1,2,3-Trichloropropane
Concen: 52.20 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

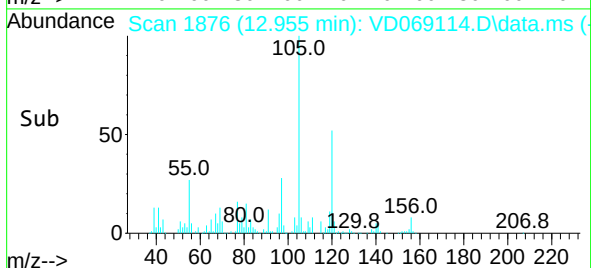
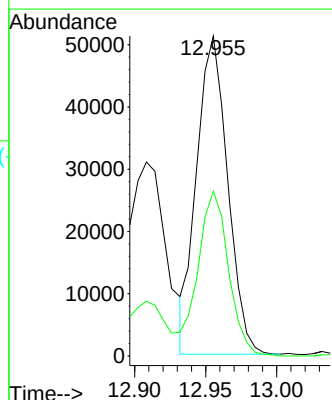
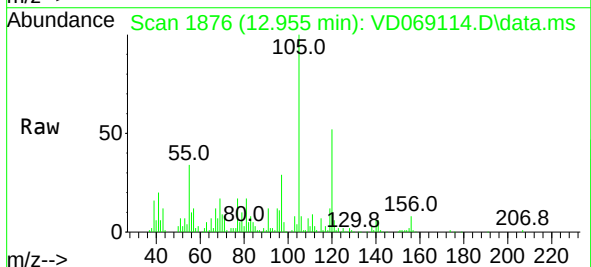
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

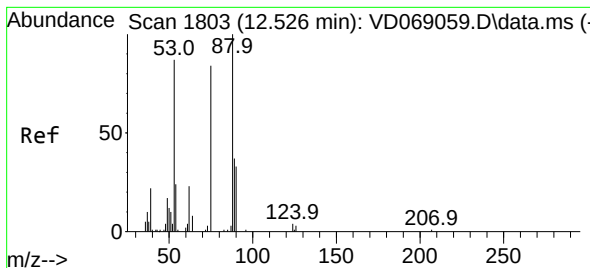
Tgt Ion: 75 Resp: 79308
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 7.54 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion: 105 Resp: 77592
Ion Ratio Lower Upper
105 100
120 52.2 24.2 72.6

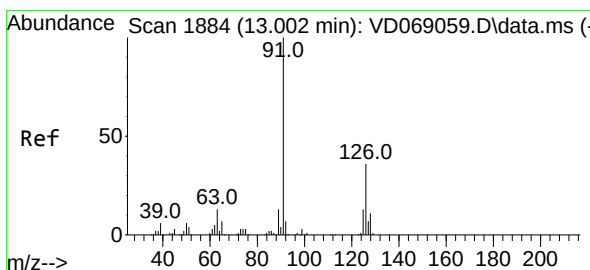
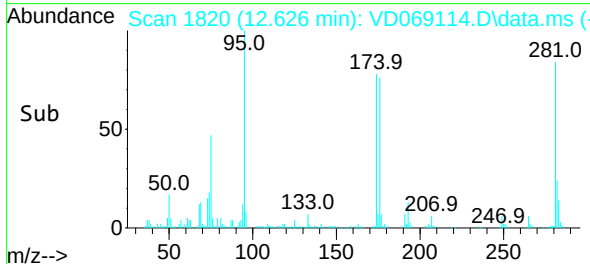
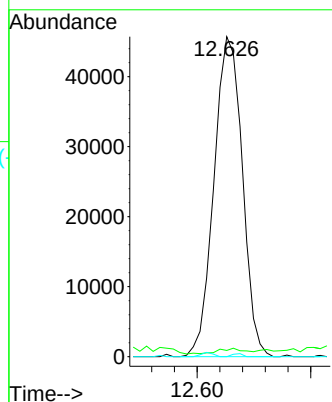
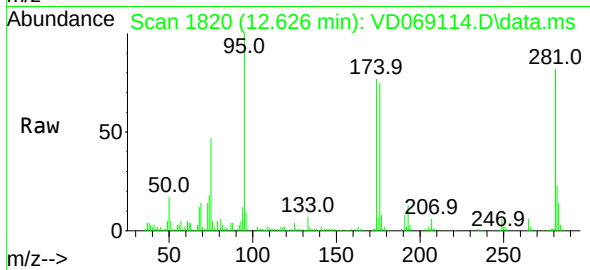




#81
trans-1,4-Dichloro-2-butene
Concen: 113.58 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

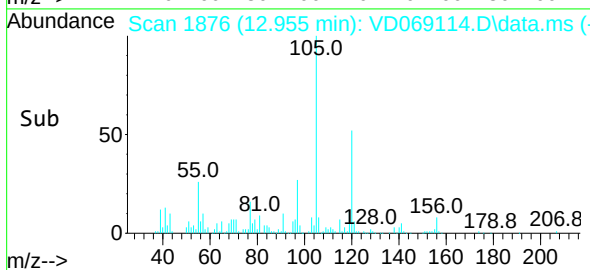
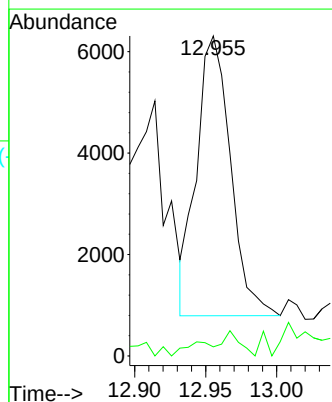
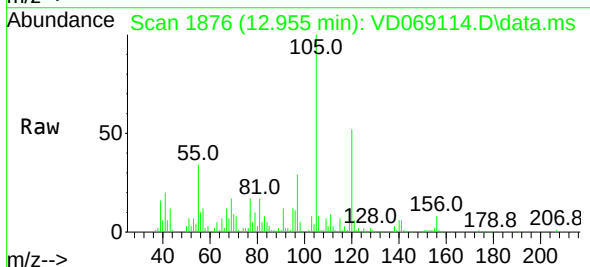
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

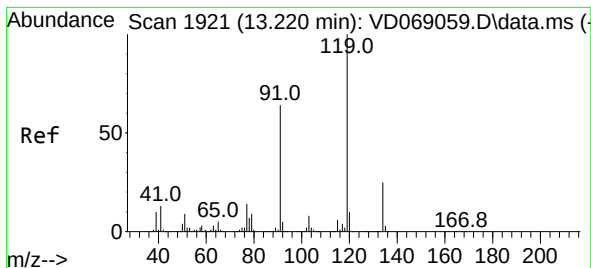
Tgt Ion: 75 Resp: 79308
Ion Ratio Lower Upper
75 100
53 1.5 80.4 120.6#
89 0.3 37.8 56.8#



#82
4-Chlorotoluene
Concen: 1.04 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. -0.047 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

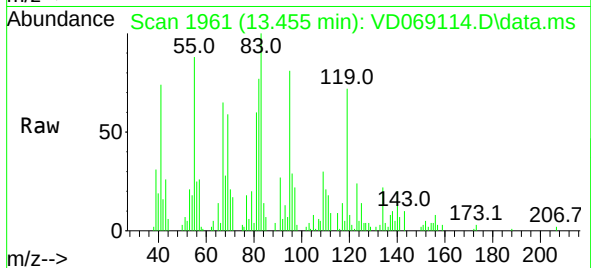
Tgt Ion: 91 Resp: 9180
Ion Ratio Lower Upper
91 100
126 4.4 17.3 51.7#



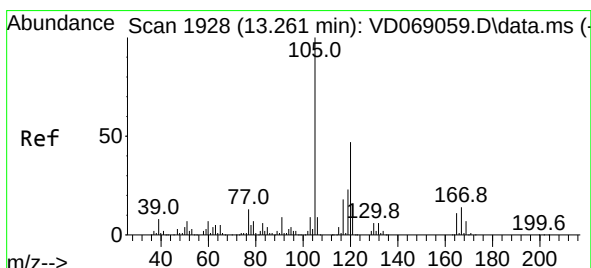
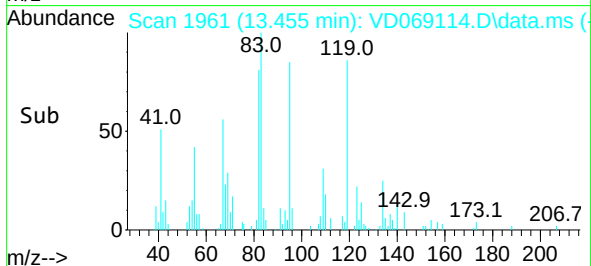
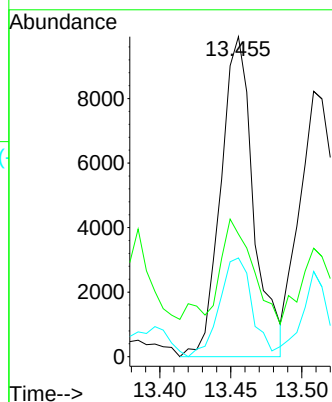


#83
tert-Butylbenzene
Concen: 1.90 ug/l
RT: 13.455 min Scan# 1961
Delta R.T. 0.235 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

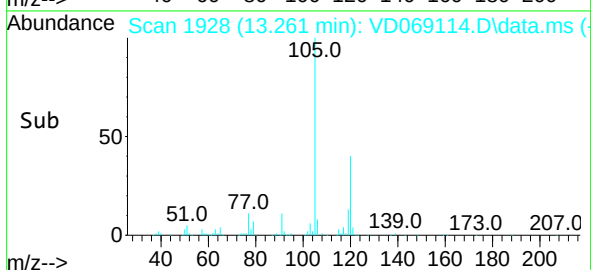
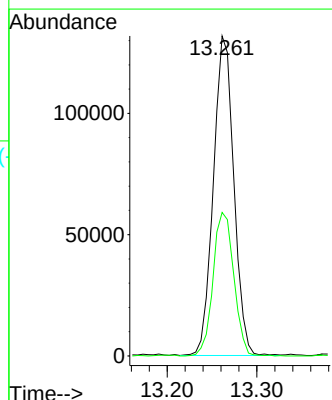
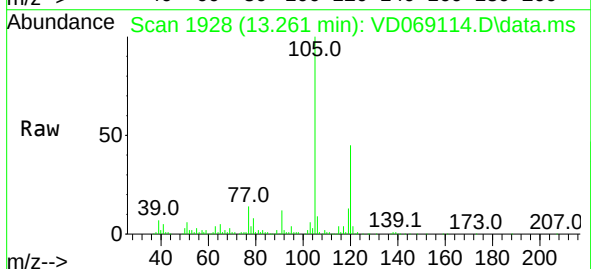


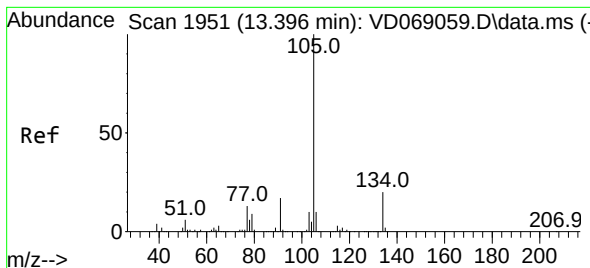
Tgt Ion:119 Resp: 15921
Ion Ratio Lower Upper
119 100
91 34.2 32.8 98.3
134 30.6 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 20.27 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Tgt Ion:105 Resp: 208312
Ion Ratio Lower Upper
105 100
120 45.7 22.5 67.5

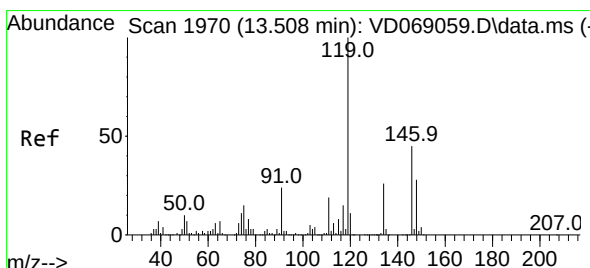
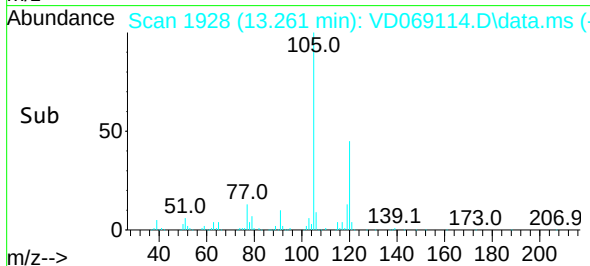
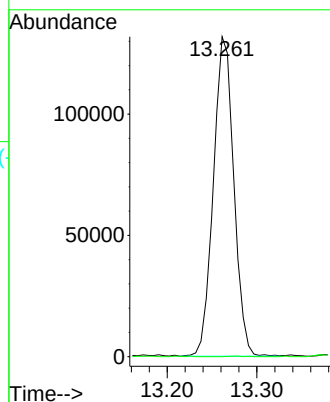
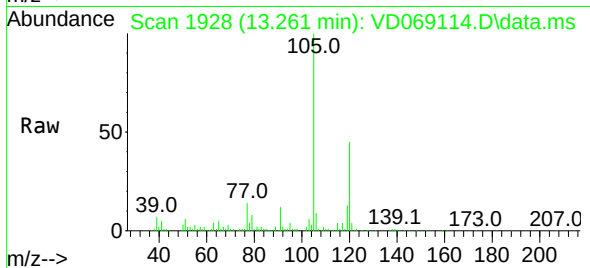




#85
 sec-Butylbenzene
 Concen: 17.17 ug/l
 RT: 13.261 min Scan# 1928
 Delta R.T. -0.135 min
 Lab File: VD069114.D
 Acq: 07 May 2021 20:48

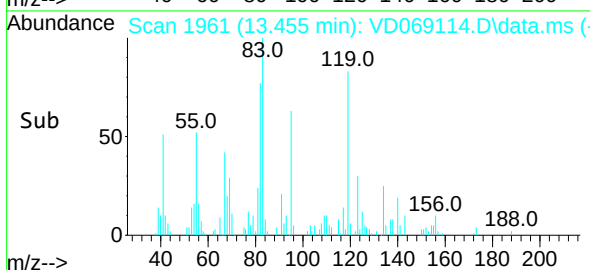
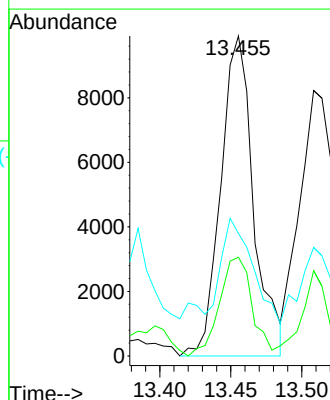
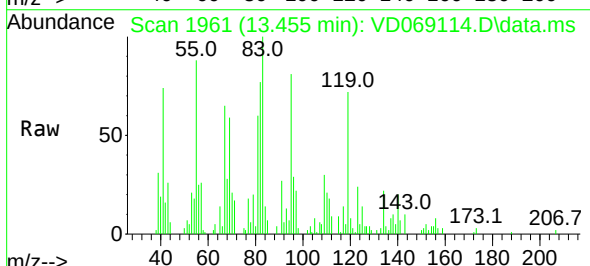
Instrument :
 MSVOA_D
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 DRUM-D-E

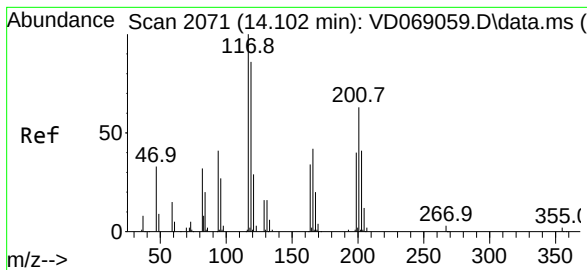
Tgt Ion:105 Resp: 208312
 Ion Ratio Lower Upper
 105 100
 134 0.1 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 1.42 ug/l
 RT: 13.455 min Scan# 1961
 Delta R.T. -0.053 min
 Lab File: VD069114.D
 Acq: 07 May 2021 20:48

Tgt Ion:119 Resp: 15921
 Ion Ratio Lower Upper
 119 100
 134 30.6 12.9 38.7
 91 34.2 12.3 36.9

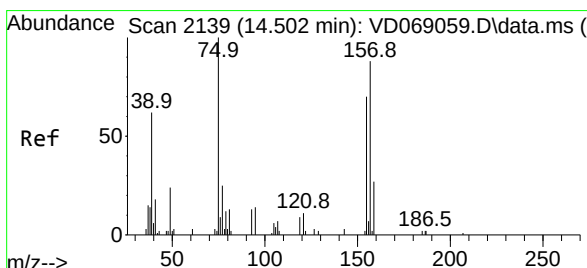
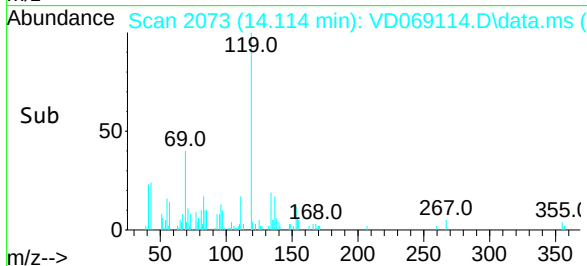
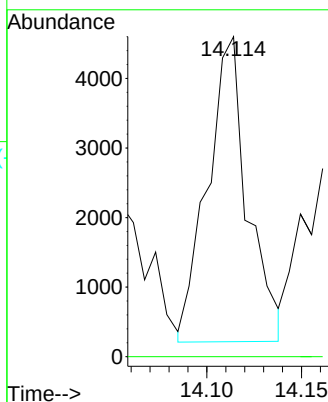
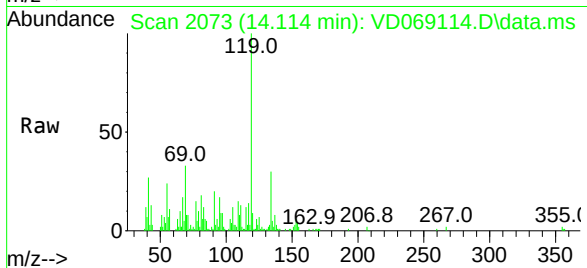




#90
Hexachloroethane
Concen: 2.80 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.012 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

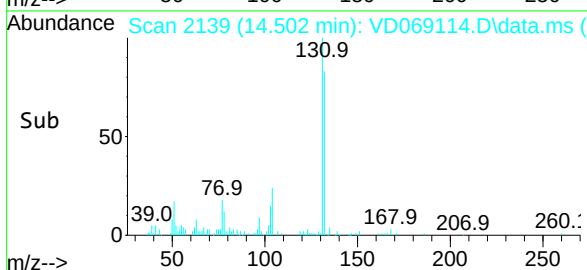
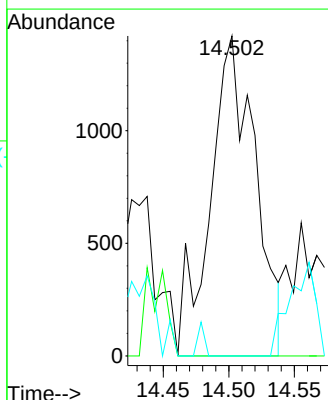
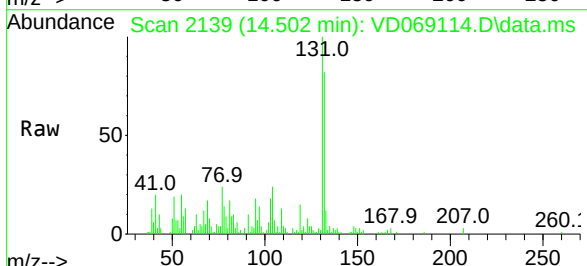
Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E

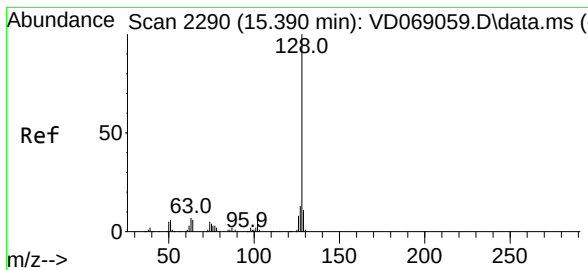
Tgt Ion:117 Resp: 6441
Ion Ratio Lower Upper
117 100
201 0.0 32.6 97.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 8.68 ug/l
RT: 14.502 min Scan# 2139
Delta R.T. 0.000 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

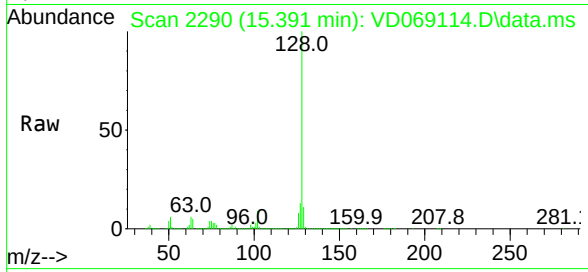
Tgt Ion: 75 Resp: 3382
Ion Ratio Lower Upper
75 100
155 0.0 39.1 117.3#
157 0.0 48.6 145.8#





#95
Naphthalene
Concen: 424.52 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069114.D
Acq: 07 May 2021 20:48

Instrument :
MSVOA_D
ClientSampleId :
DRUM-D-E



Tgt Ion:128 Resp: 2656065
Ion Ratio Lower Upper
128 100
127 13.2 10.7 16.1
129 11.1 8.5 12.7

