

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069327.D
 Acq On : 03 Jun 2021 16:14
 Operator : VA/SY
 Sample : M2584-03
 Misc : 5.53G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 09:36:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

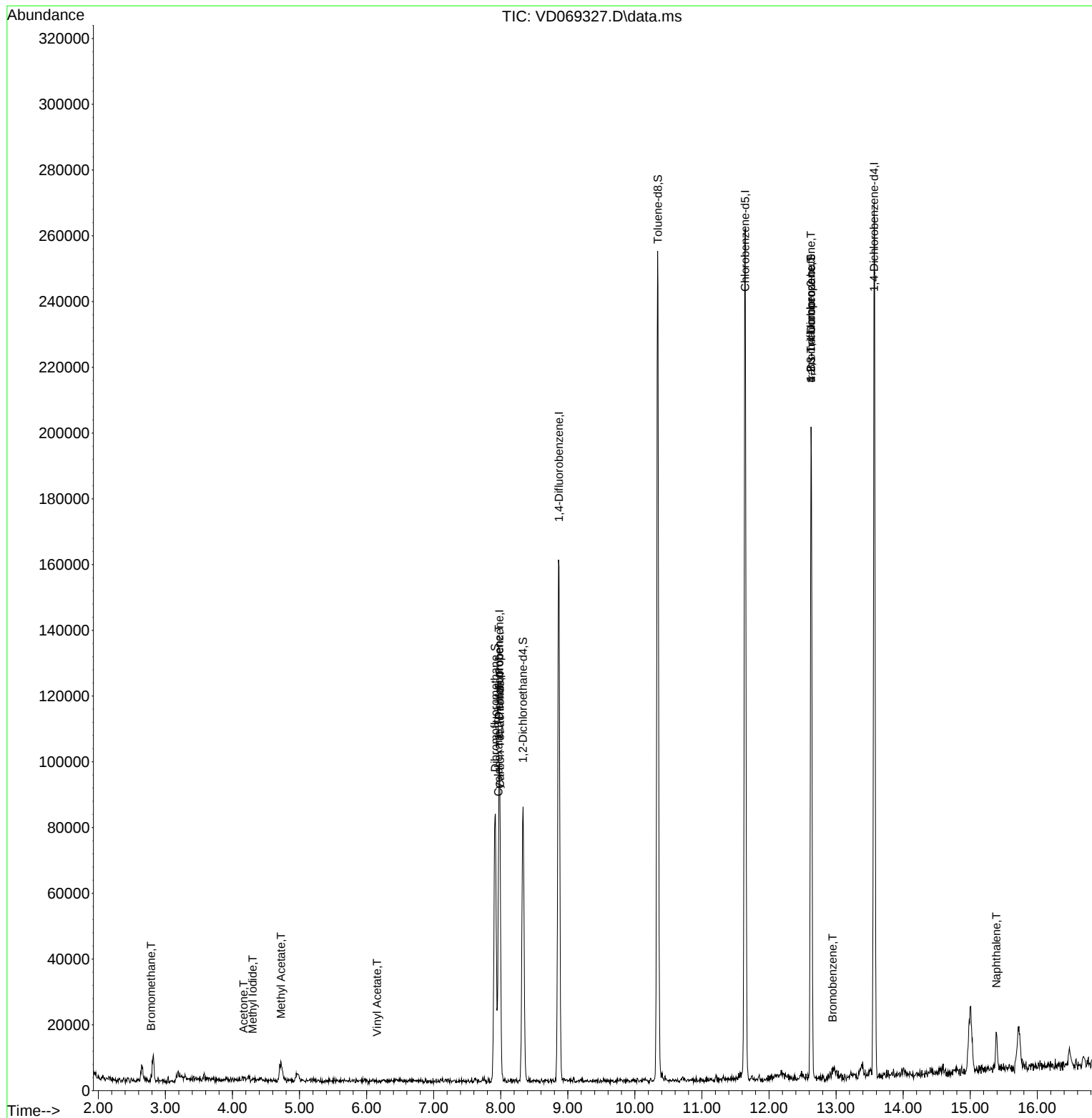
Internal Standards						
1) Pentafluorobenzene	7.979	168	74687	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	141739	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	160039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	75355	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	68687	95.85	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	=	191.70%#	
35) Dibromofluoromethane	7.914	113	59625	66.99	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	=	133.98%	
50) Toluene-d8	10.344	98	184065	56.87	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	=	113.74%	
62) 4-Bromofluorobenzene	12.626	95	65034	61.32	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	=	122.64%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	620	1.41	ug/l	82
10) Methyl Iodide	4.303	142	179	2.71	ug/l #	77
11) Tert butyl alcohol	5.185	59	139	Below Cal	#	73
16) Acetone	4.168	43	1207	9.65	ug/l	96
18) Methyl Acetate	4.726	43	11197	33.09	ug/l	100
20) Methylene Chloride	4.979	84	1919	Below Cal	#	62
23) Vinyl Acetate	6.156	43	58	11.66	ug/l #	67
31) Cyclohexane	7.967	56	1680	1.48	ug/l #	59
36) 1,1-Dichloropropene	7.973	75	6063	4.40	ug/l #	49
38) Carbon Tetrachloride	7.991	117	8003	5.38	ug/l #	11
76) 1,2,3-Trichloropropane	12.626	75	30953	47.28	ug/l #	1
77) Bromobenzene	12.949	156	1466	1.18	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	30953	104.77	ug/l #	18
95) Naphthalene	15.390	128	10727	7.20	ug/l #	95

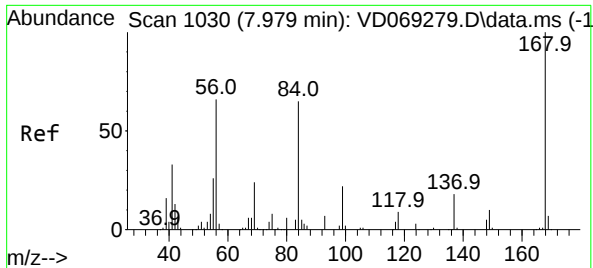
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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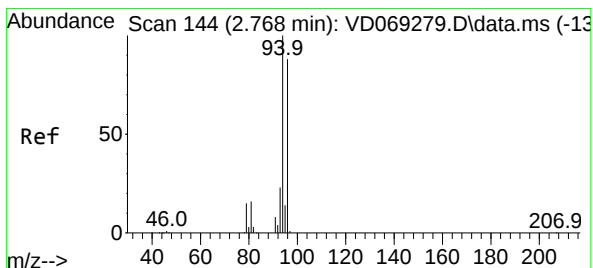
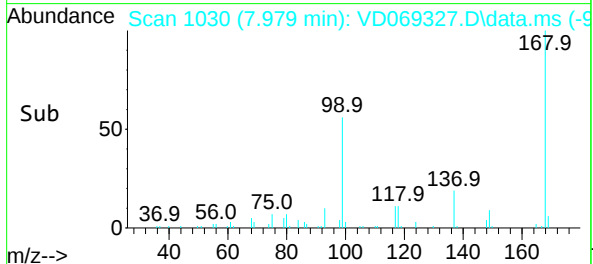
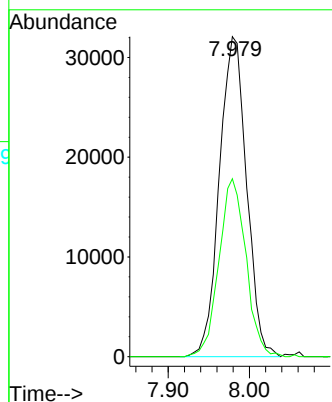
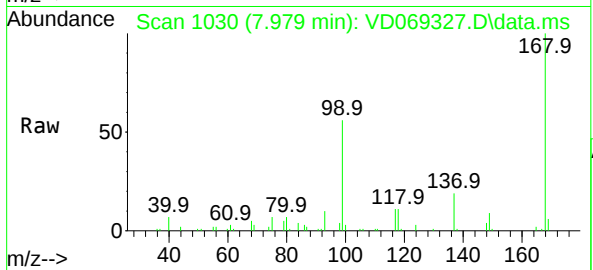




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

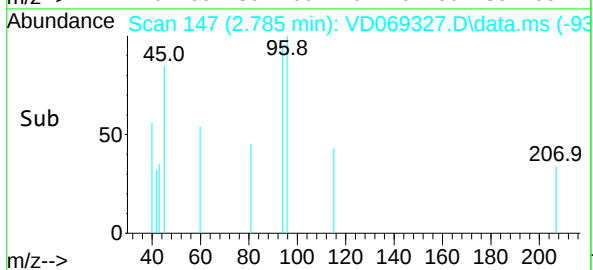
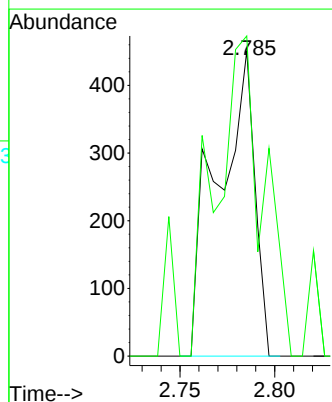
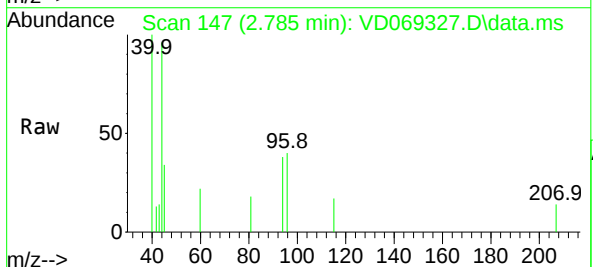
Instrument :
MSVOA_D
ClientSampleId :

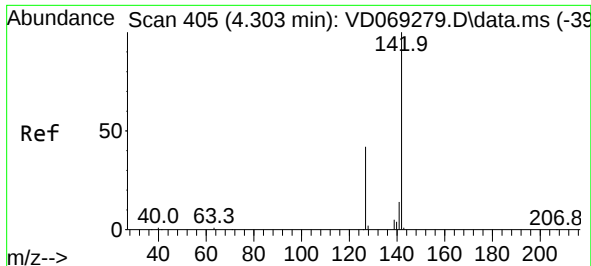
Tgt Ion:168 Resp: 74687
Ion Ratio Lower Upper
168 100
99 55.6 46.2 69.2



#5
Bromomethane
Concen: 1.41 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.018 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

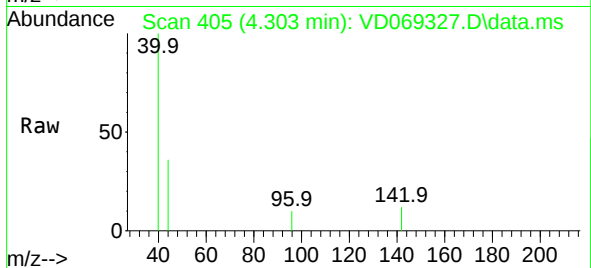
Tgt Ion: 94 Resp: 620
Ion Ratio Lower Upper
94 100
96 104.9 70.3 105.5



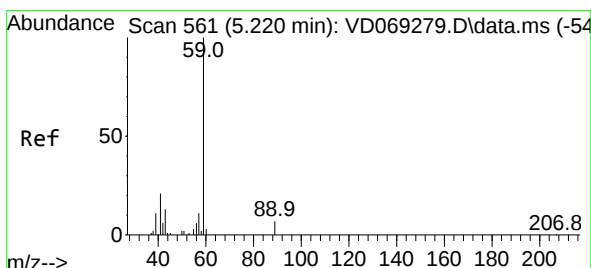
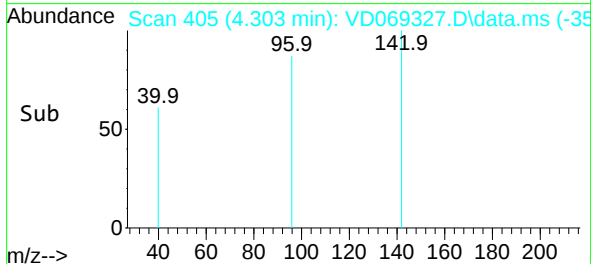
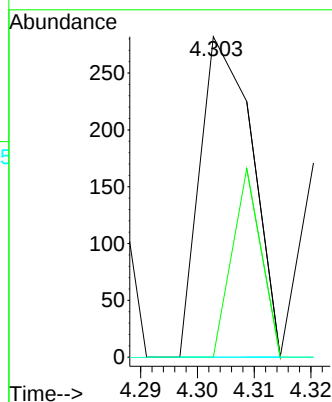


#10
Methyl Iodide
Concen: 2.71 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :

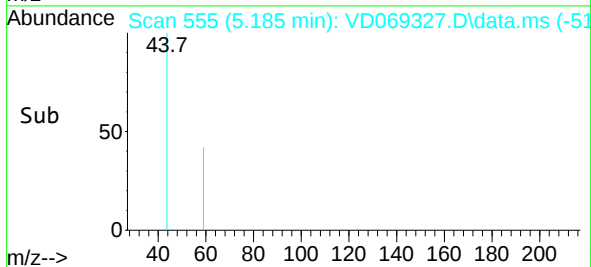
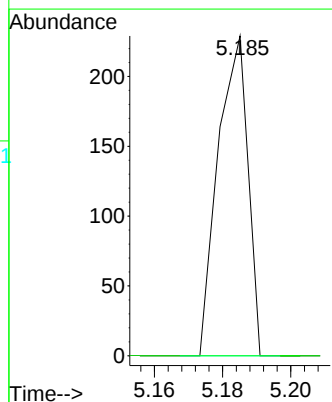
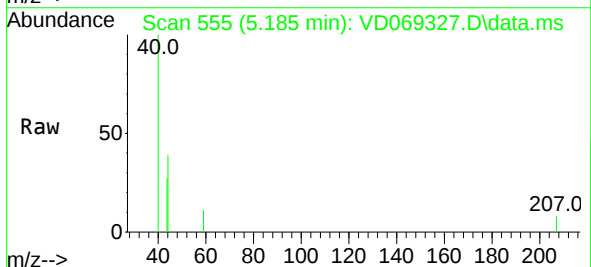


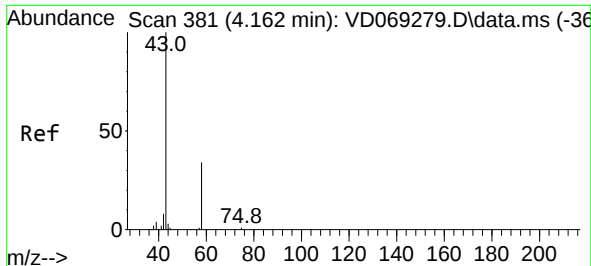
Tgt Ion:142 Resp: 179
Ion Ratio Lower Upper
142 100
127 33.0 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.035 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

Tgt Ion: 59 Resp: 139
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

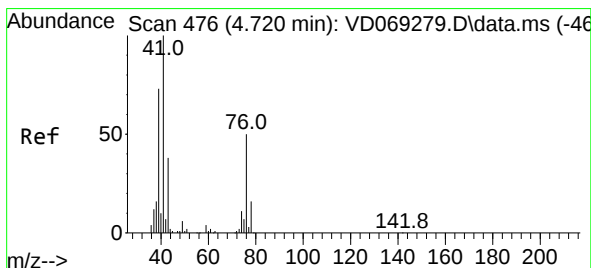
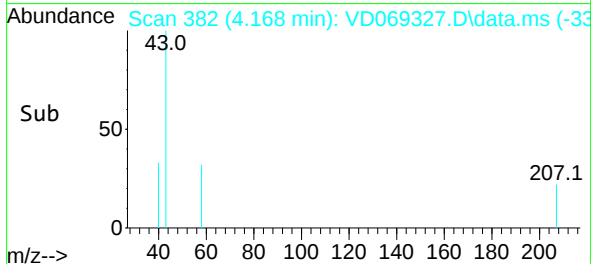
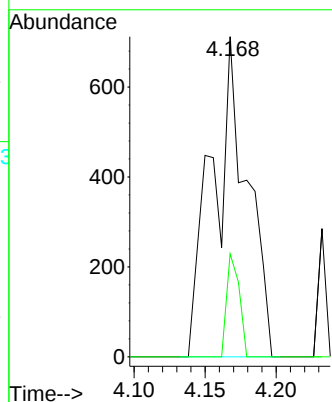
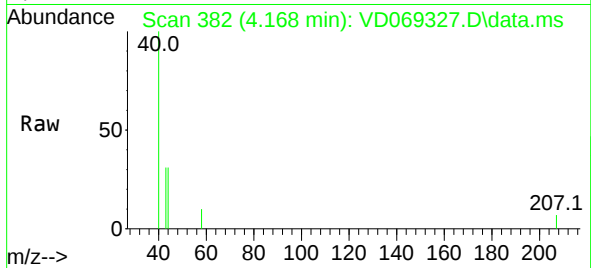




#16
Acetone
Concen: 9.65 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

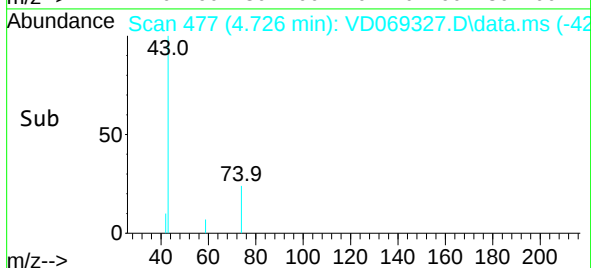
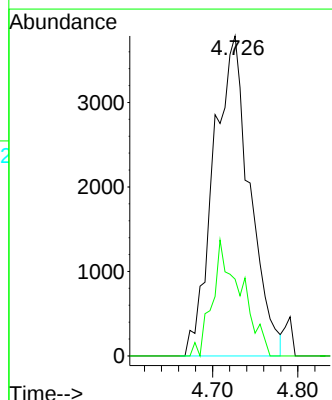
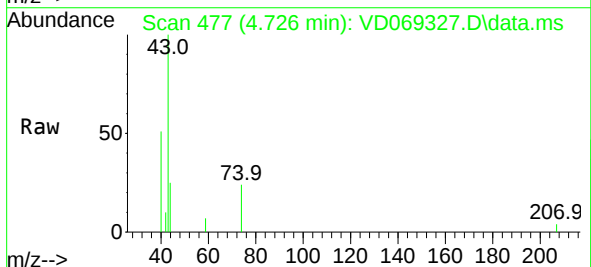
Instrument :
MSVOA_D
ClientSampled :

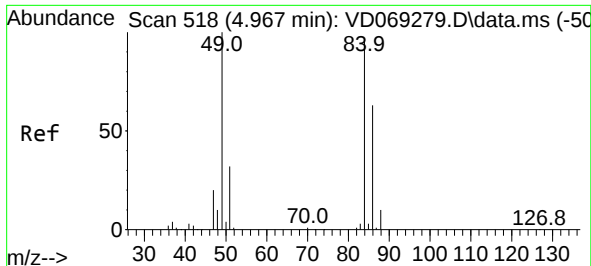
Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
58 32.2 27.5 41.3



#18
Methyl Acetate
Concen: 33.09 ug/l
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

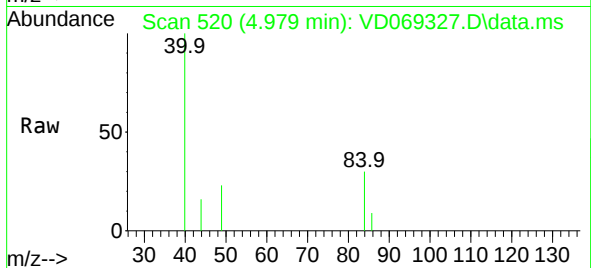
Tgt Ion: 43 Resp: 11197
Ion Ratio Lower Upper
43 100
74 28.7 22.8 34.2



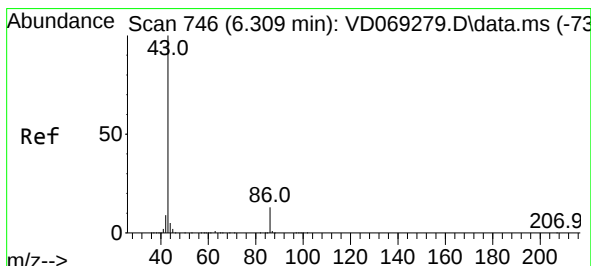
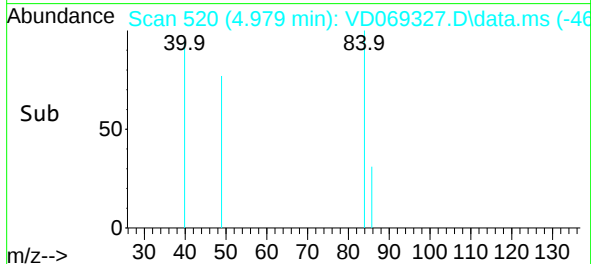
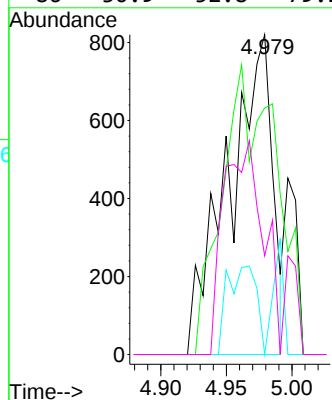


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :

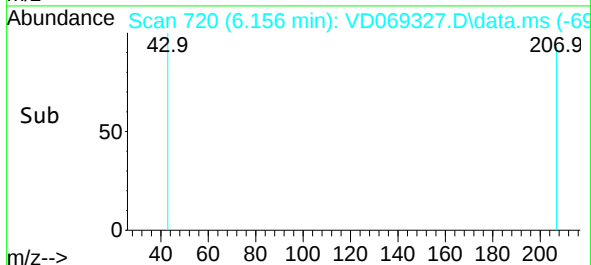
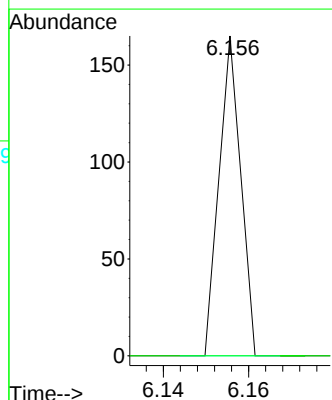
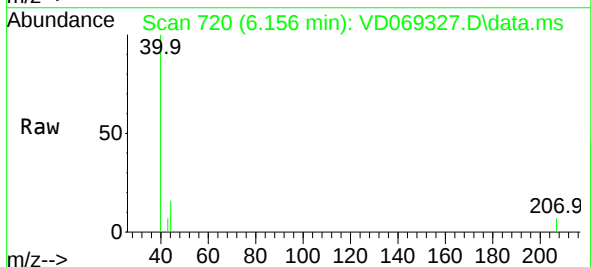


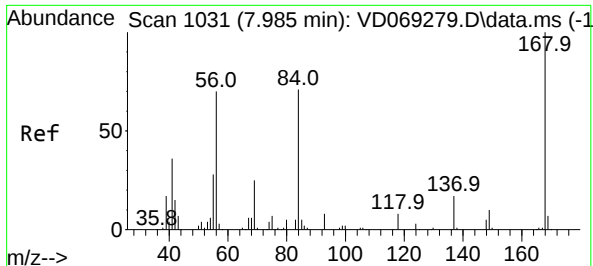
Tgt Ion: 84 Resp: 1919
Ion Ratio Lower Upper
84 100
49 77.1 83.7 125.5#
51 0.0 26.4 39.6#
86 30.9 52.8 79.2#



#23
Vinyl Acetate
Concen: 11.66 ug/l
RT: 6.156 min Scan# 720
Delta R.T. -0.153 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
86 0.0 10.5 15.7#

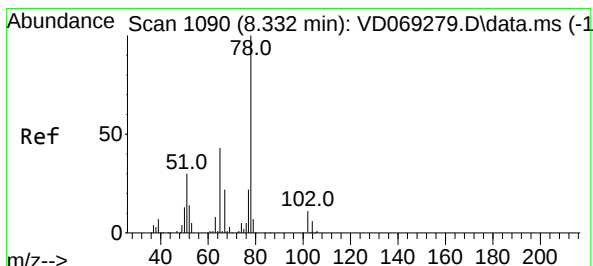
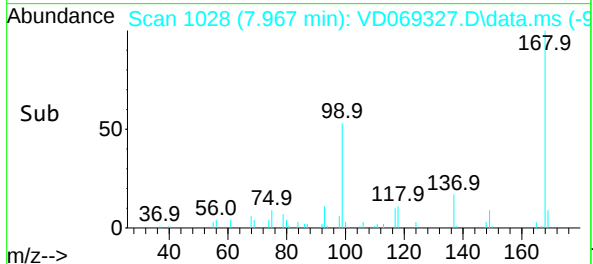
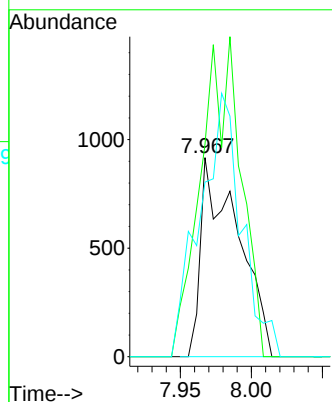
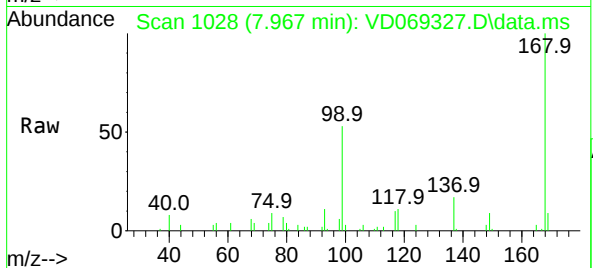




#31
Cyclohexane
Concen: 1.48 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

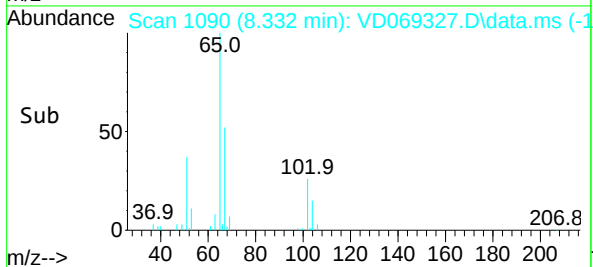
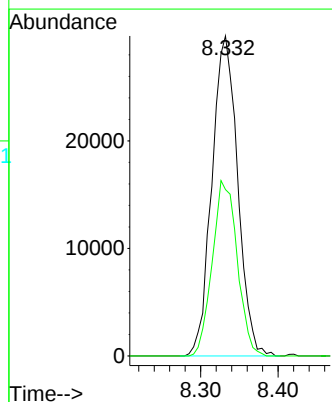
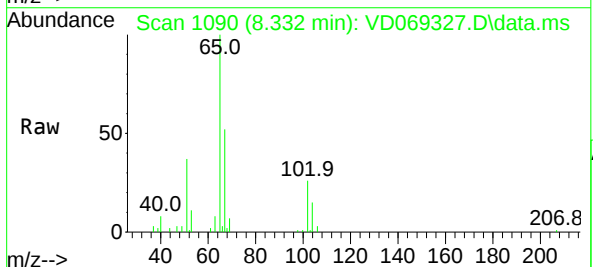
Instrument :
MSVOA_D
ClientSampled :

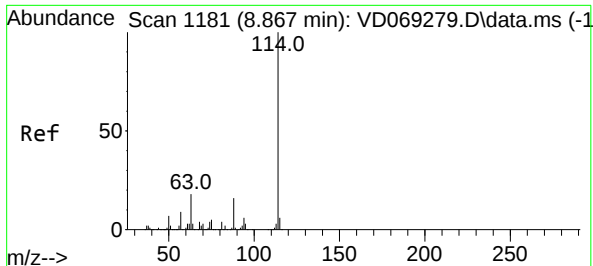
Tgt Ion: 56 Resp: 1680
Ion Ratio Lower Upper
56 100
69 106.7 29.0 43.4#
84 87.7 81.1 121.7



#33
1,2-Dichloroethane-d4
Concen: 95.85 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

Tgt Ion: 65 Resp: 68687
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8

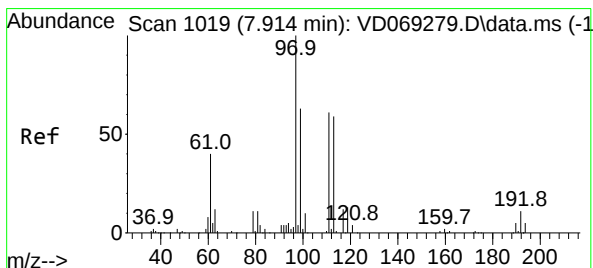
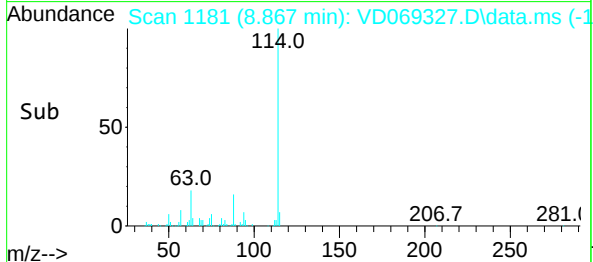
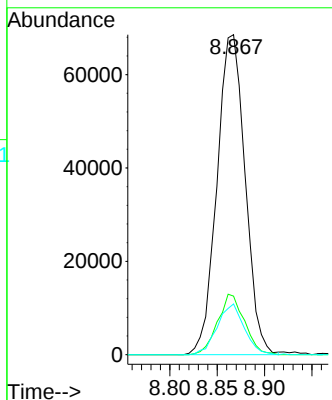
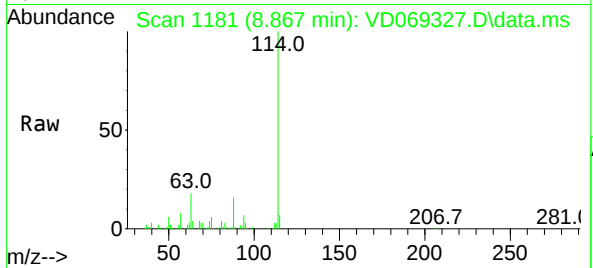




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

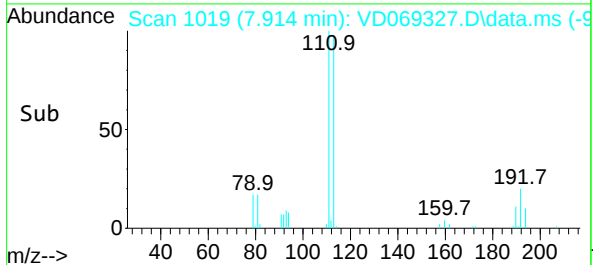
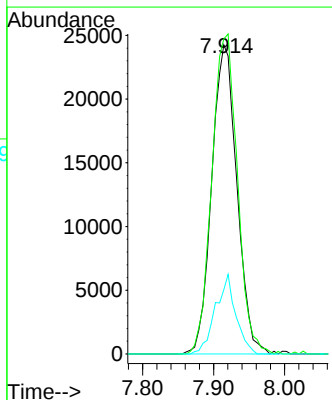
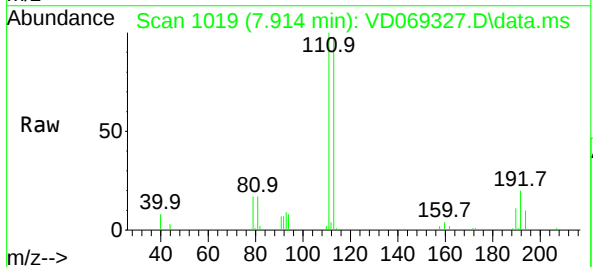
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ClientSampleId :

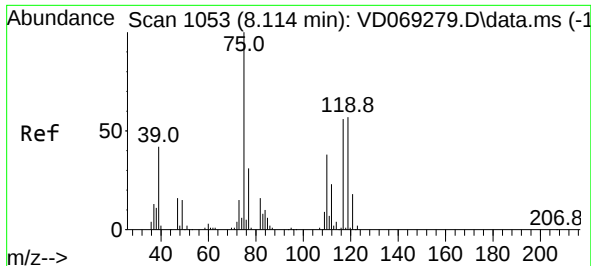
Tgt Ion:	114	Resp:	141739
Ion Ratio	Lower	Upper	
114	100		
63	18.3	0.0	35.6
88	15.8	0.0	31.2



#35
Dibromofluoromethane
Concen: 66.99 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

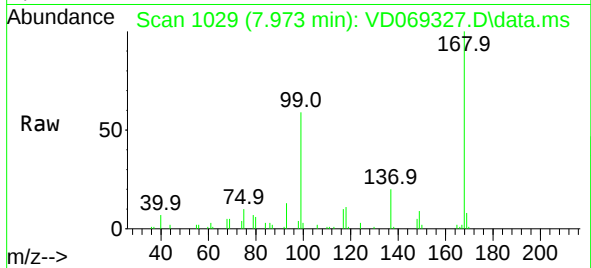
Tgt Ion:	113	Resp:	59625
Ion Ratio	Lower	Upper	
113	100		
111	105.0	83.0	124.6
192	20.7	15.1	22.7



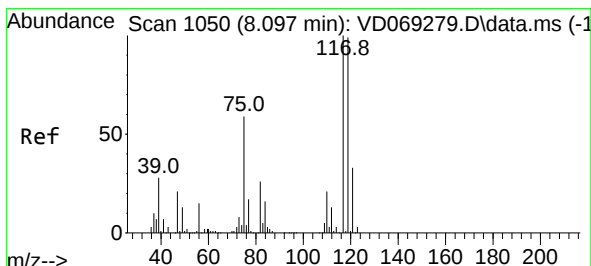
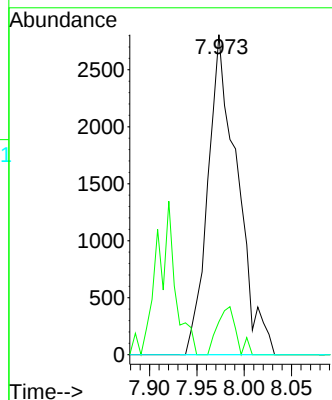
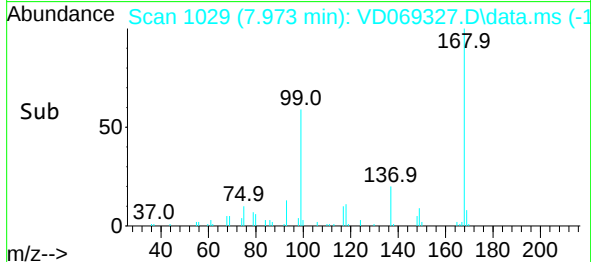


#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

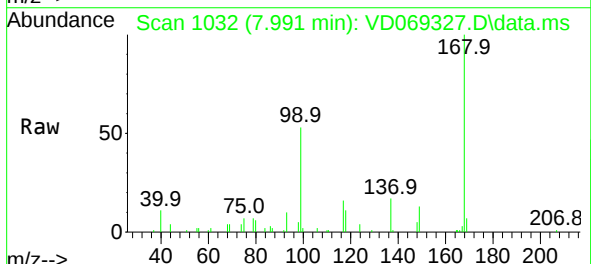
Instrument :
MSVOA_D
ClientSampled :



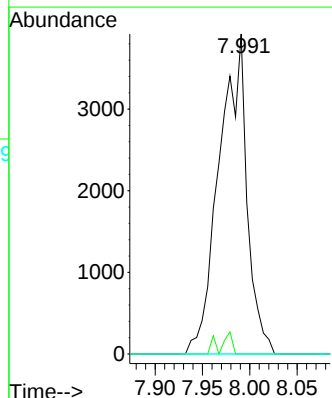
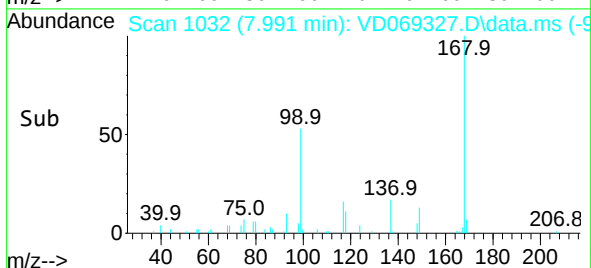
Tgt Ion: 75 Resp: 6063
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.2#
77 0.0 24.9 37.3#

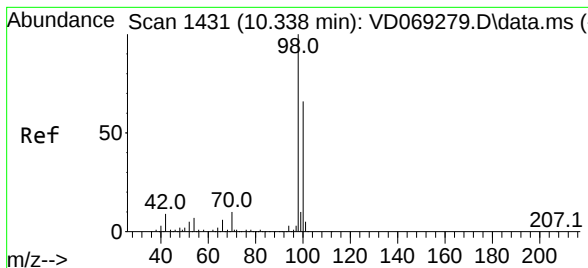


#38
Carbon Tetrachloride
Concen: 5.38 ug/l
RT: 7.991 min Scan# 1032
Delta R.T. -0.106 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14



Tgt Ion: 117 Resp: 8003
Ion Ratio Lower Upper
117 100
119 0.0 79.4 119.2#
121 0.0 26.1 39.1#

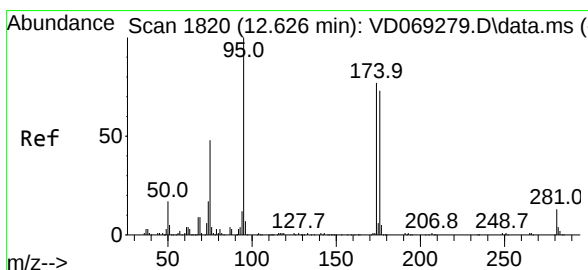
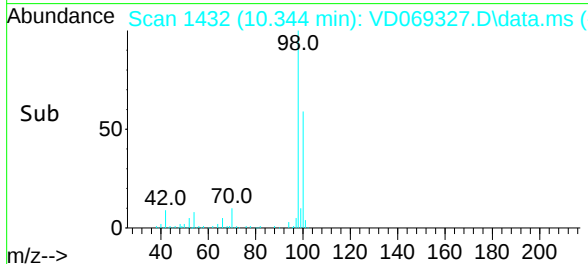
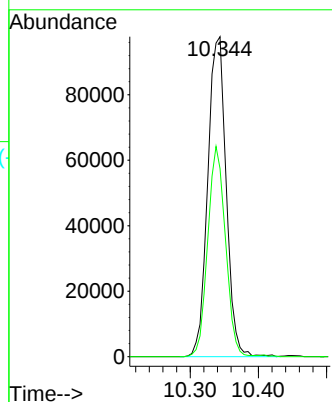
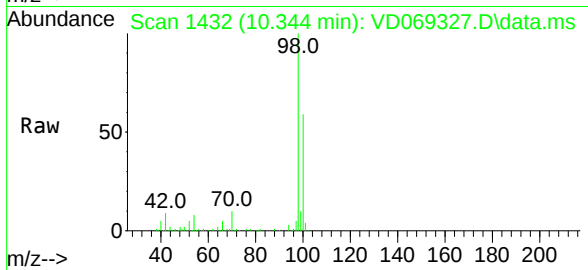




#50
Toluene-d8
Concen: 56.87 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.006 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

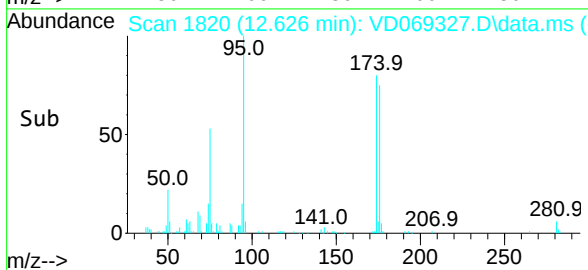
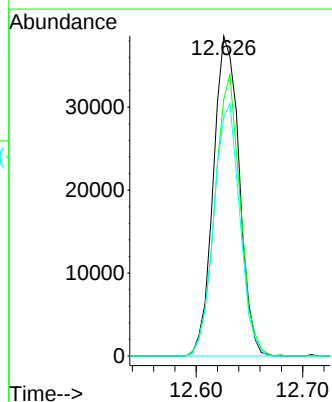
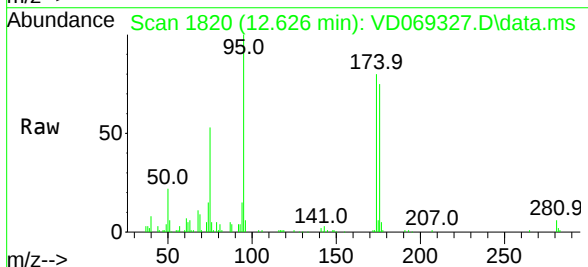
Instrument :
MSVOA_D
ClientSampled :

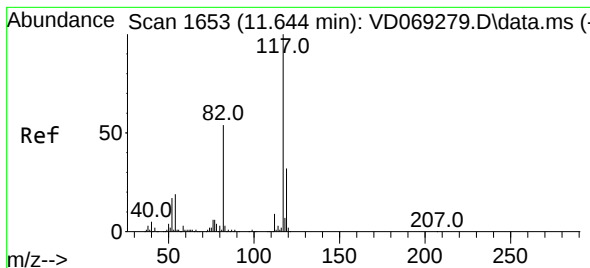
Tgt Ion: 98 Resp: 184065
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 61.32 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

Tgt Ion: 95 Resp: 65034
Ion Ratio Lower Upper
95 100
174 85.9 0.0 162.8
176 79.2 0.0 154.4

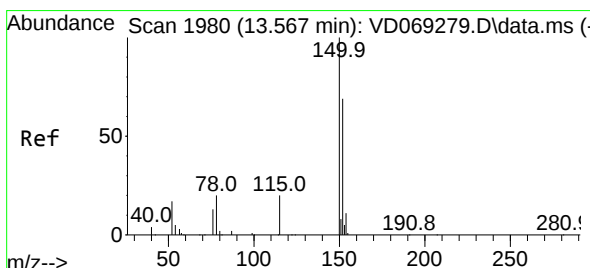
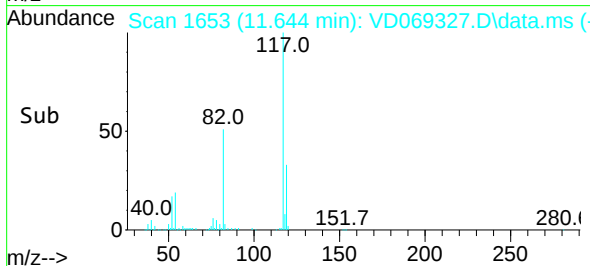
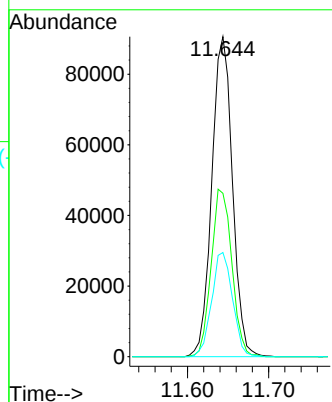
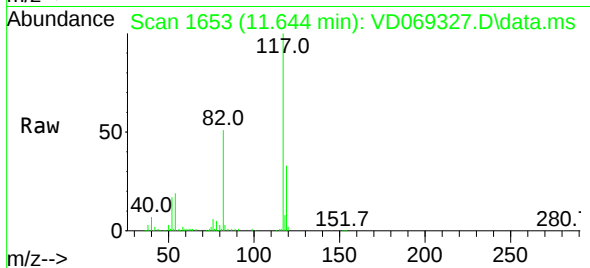




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

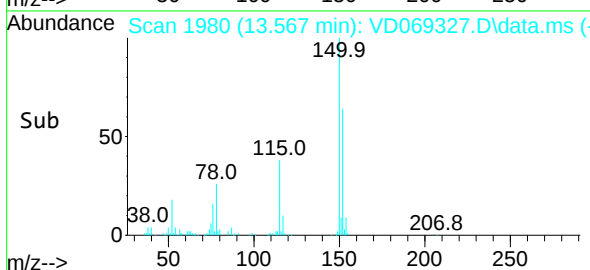
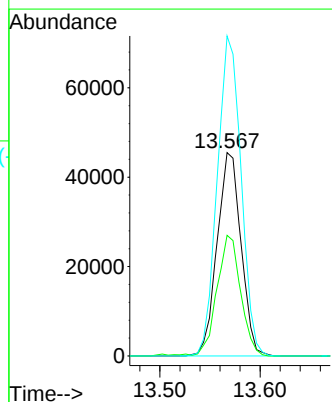
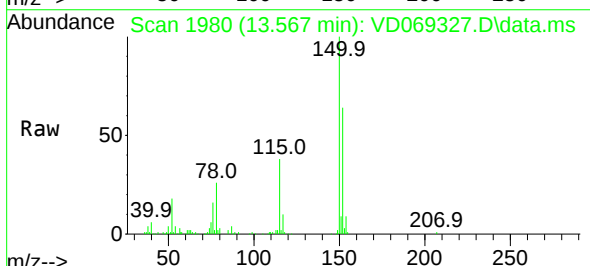
Instrument :
MSVOA_D
ClientSampleId :

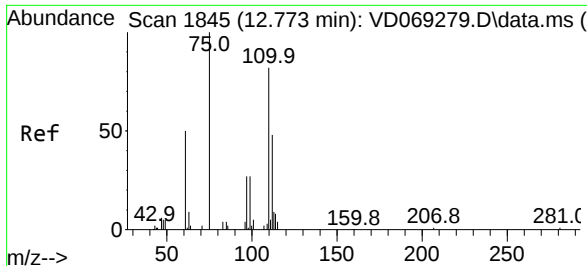
Tgt Ion:117 Resp: 160039
Ion Ratio Lower Upper
117 100
82 51.1 43.3 64.9
119 32.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

Tgt Ion:152 Resp: 75355
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.3
150 156.6 0.0 355.0

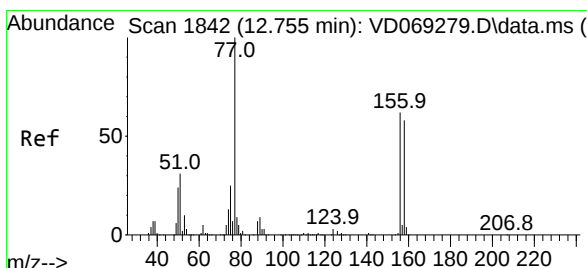
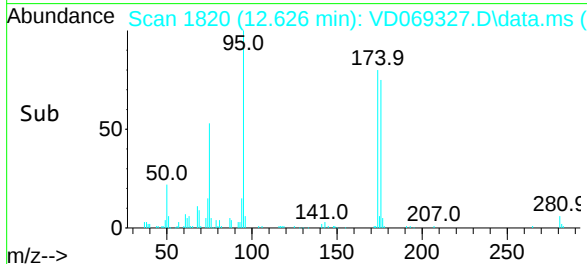
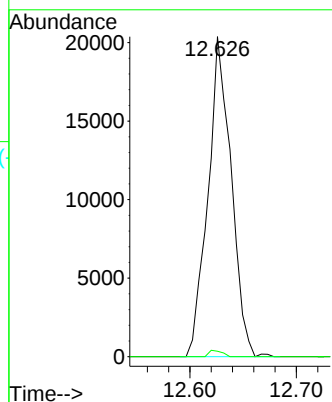
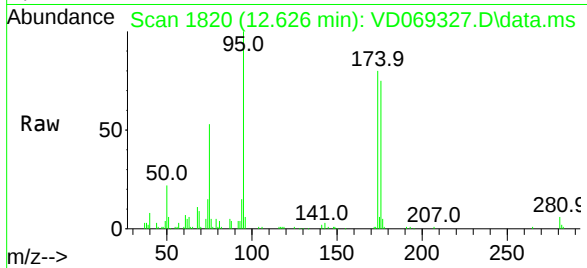




#76
1,2,3-Trichloropropane
Concen: 47.28 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

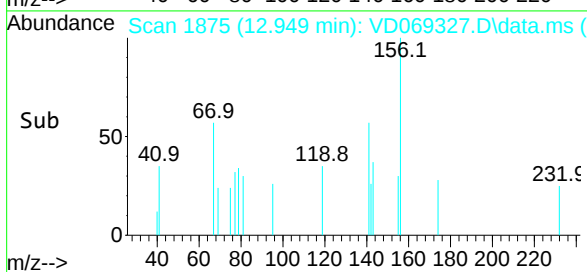
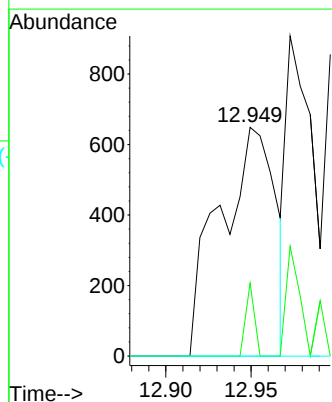
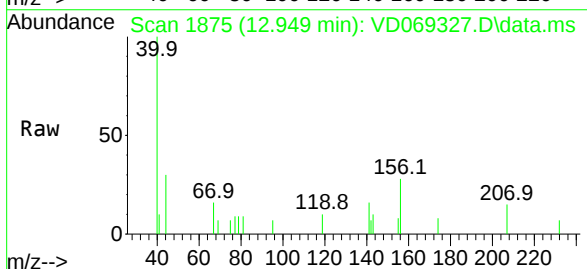
Instrument :
MSVOA_D
ClientSampleId :

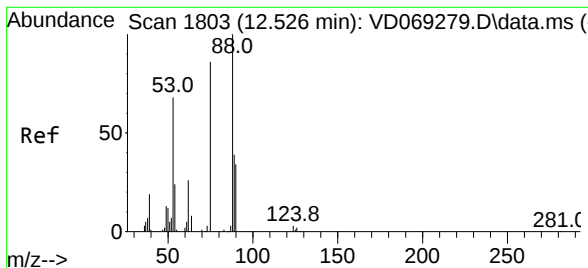
Tgt Ion: 75 Resp: 30953
Ion Ratio Lower Upper
75 100
77 1.1 183.8 551.2#



#77
Bromobenzene
Concen: 1.18 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.194 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

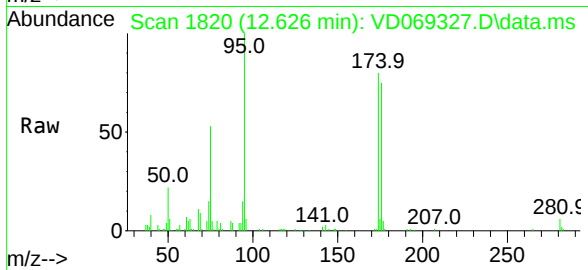
Tgt Ion:156 Resp: 1466
Ion Ratio Lower Upper
156 100
77 5.0 89.3 267.9#
158 0.0 48.0 144.2#



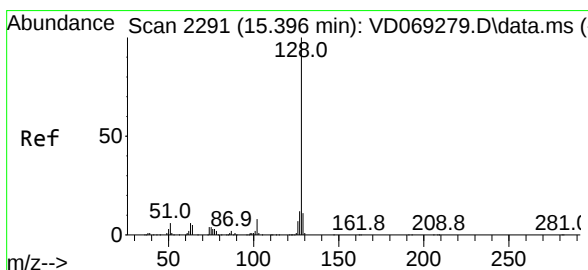
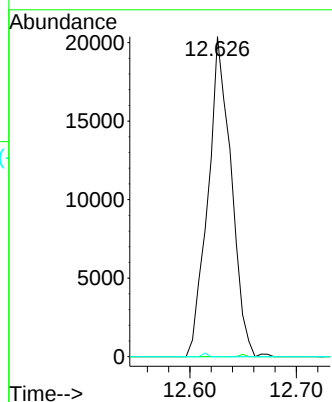
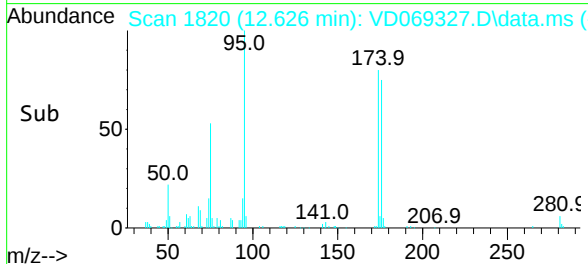


#81
trans-1,4-Dichloro-2-butene
Concen: 104.77 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14

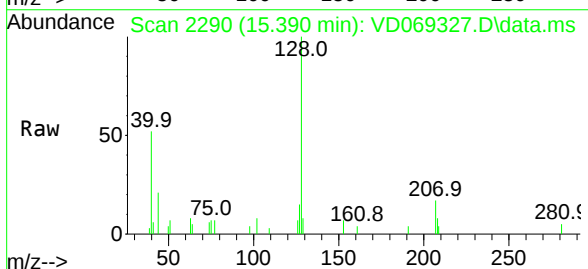
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 30953
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 35.6 53.4#



#95
Naphthalene
Concen: 7.20 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069327.D
Acq: 03 Jun 2021 16:14



Tgt Ion: 128 Resp: 10727
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 7.9 8.8 13.2#

