

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069329.D
 Acq On : 03 Jun 2021 17:10
 Operator : VA/SY
 Sample : M2587-04
 Misc : 6.26G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 09:36:34 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)

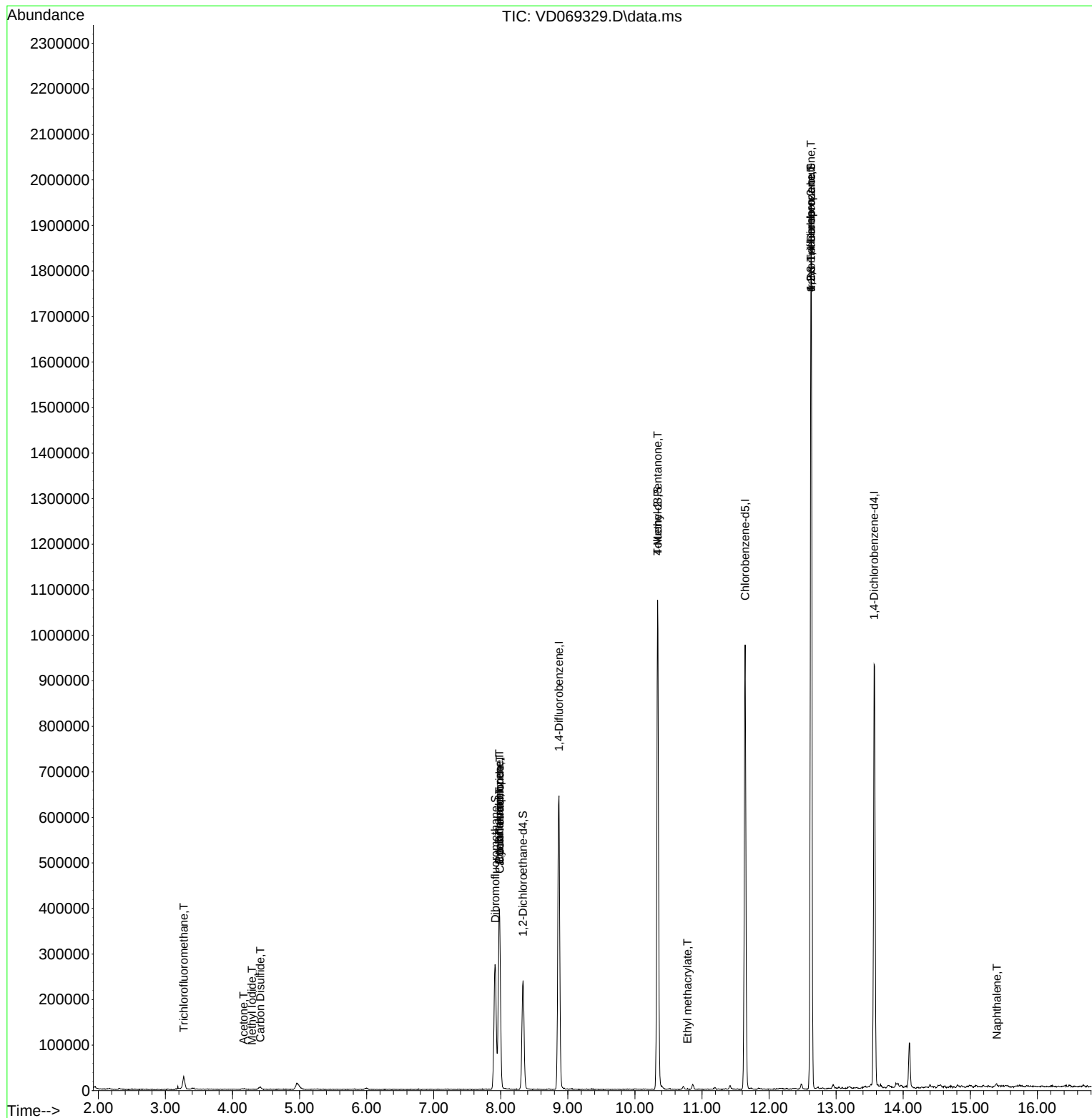
Internal Standards						
1) Pentafluorobenzene	7.979	168	298831	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	580989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	586331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	259335	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	192931	67.29	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.58%			
35) Dibromofluoromethane	7.920	113	205623	56.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.72%			
50) Toluene-d8	10.338	98	740271	55.80	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.60%			
62) 4-Bromofluorobenzene	12.626	95	266411	61.28	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.56%			
Target Compounds						
						Qvalue
7) Trichlorofluoromethane	3.273	101	27632	4.91	ug/l	97
10) Methyl Iodide	4.291	142	150	2.55	ug/l #	39
11) Tert butyl alcohol	5.214	59	476	Below Cal	#	73
16) Acetone	4.167	43	3032	6.06	ug/l #	40
17) Carbon Disulfide	4.414	76	10700	1.08	ug/l #	77
20) Methylene Chloride	4.956	84	11809	Below Cal		84
31) Cyclohexane	7.979	56	6139	1.35	ug/l #	31
36) 1,1-Dichloropropene	7.979	75	23762	4.21	ug/l #	50
38) Carbon Tetrachloride	7.985	117	31469	5.16	ug/l #	14
51) 4-Methyl-2-Pentanone	10.338	43	2799	1.55	ug/l #	1
56) Ethyl methacrylate	10.785	69	131	2.67	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	140274	62.26	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	140274	137.96	ug/l #	20
95) Naphthalene	15.396	128	7364	4.08	ug/l #	95

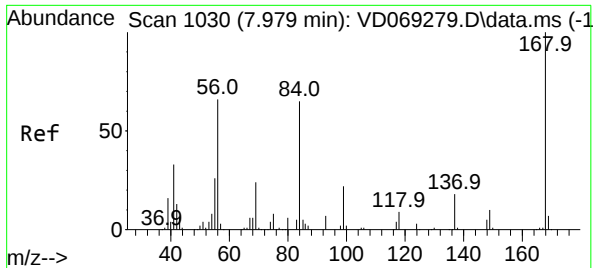
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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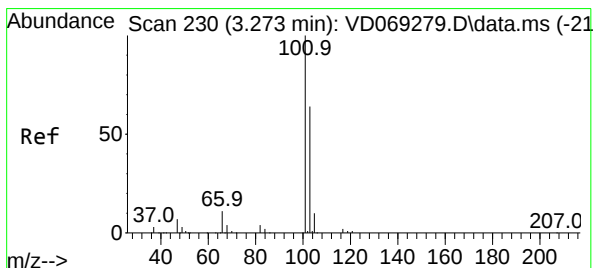
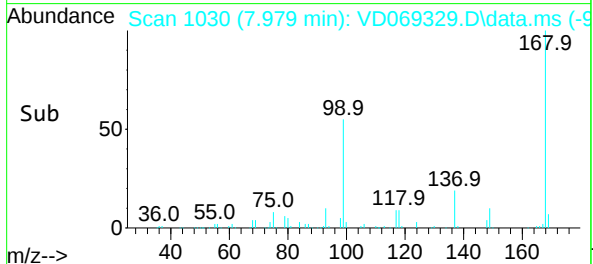
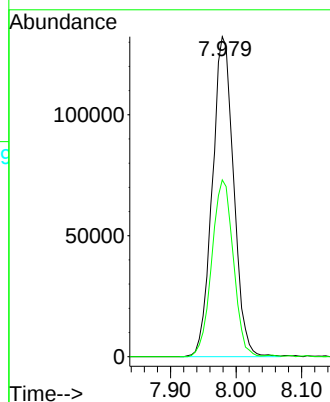
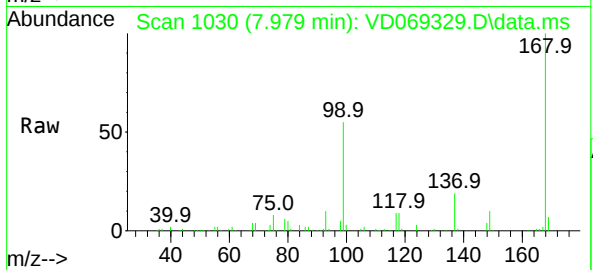




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

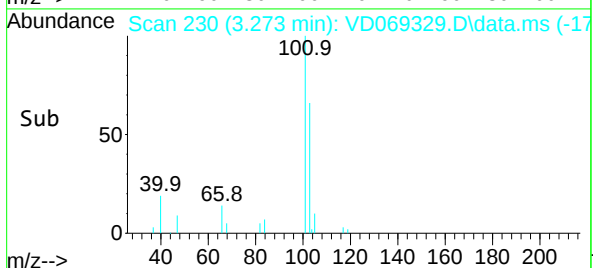
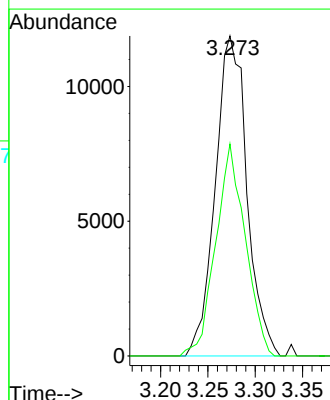
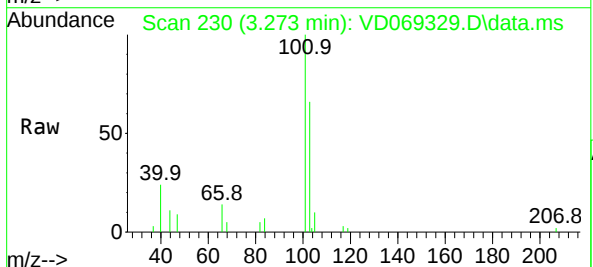
Instrument :
MSVOA_D
ClientSampleId :

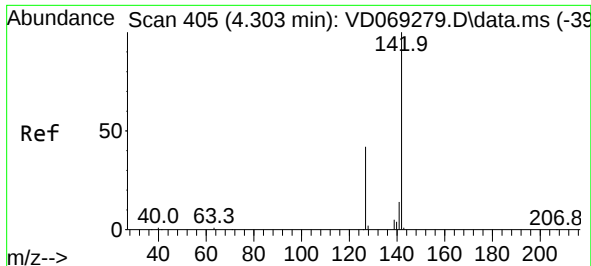
Tgt Ion:168 Resp: 298831
Ion Ratio Lower Upper
168 100
99 55.2 46.2 69.2



#7
Trichlorofluoromethane
Concen: 4.91 ug/l
RT: 3.273 min Scan# 230
Delta R.T. -0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

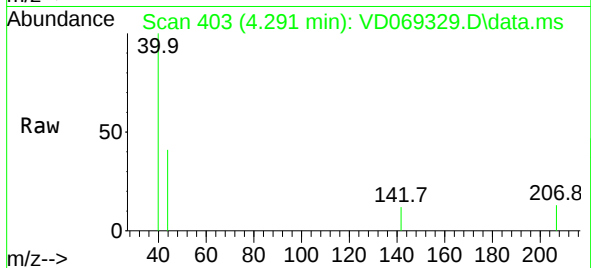
Tgt Ion:101 Resp: 27632
Ion Ratio Lower Upper
101 100
103 66.2 51.0 76.4



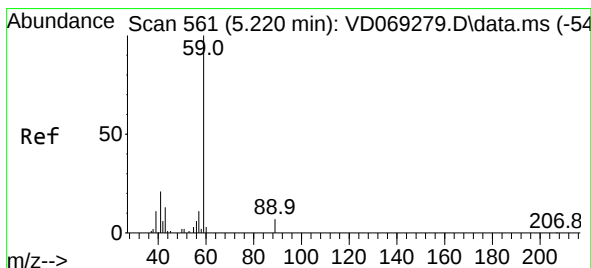
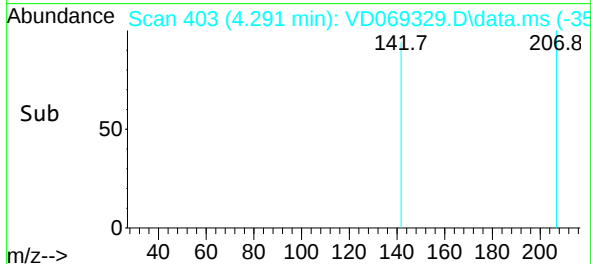
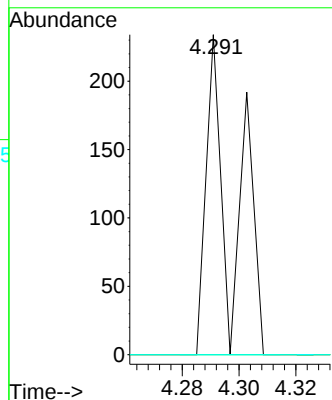


#10
Methyl Iodide
Concen: 2.55 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Instrument :
MSVOA_D
ClientSampled :

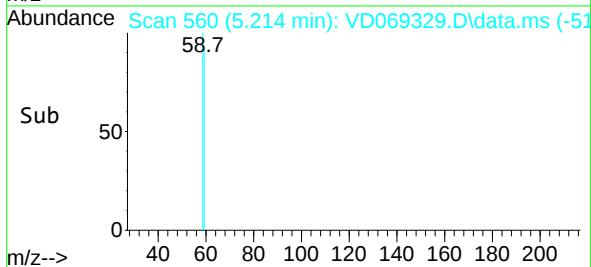
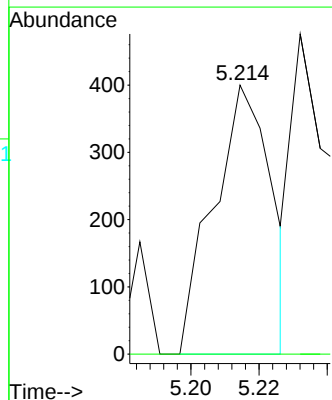
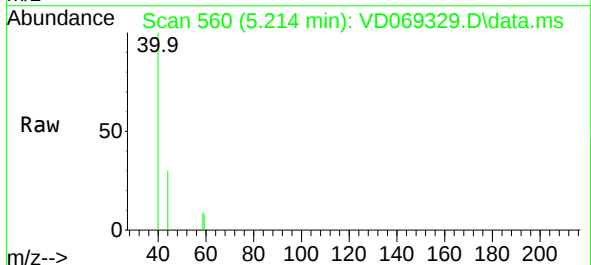


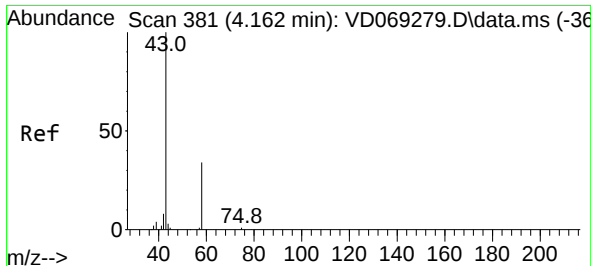
Tgt Ion:142 Resp: 150
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Tgt Ion: 59 Resp: 476
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

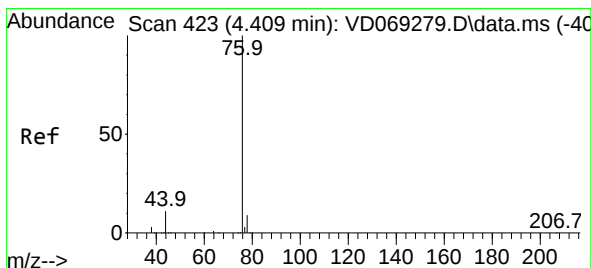
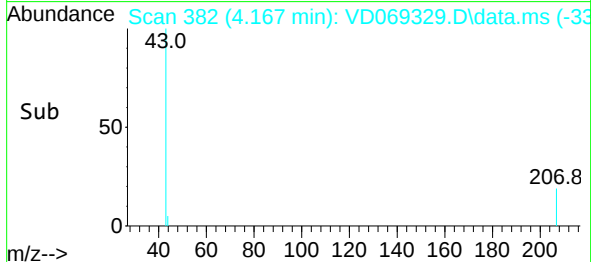
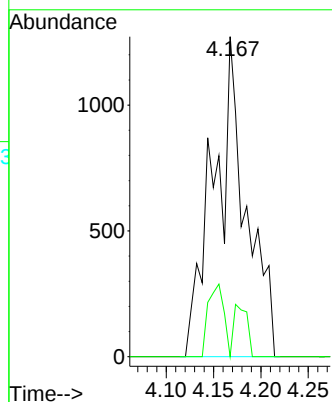
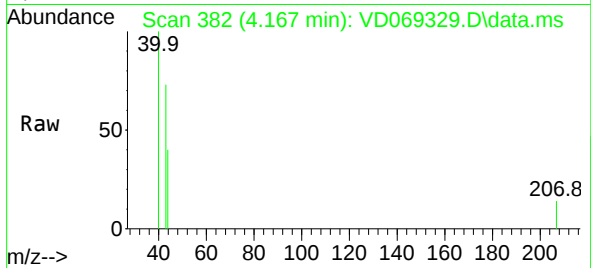




#16
Acetone
Concen: 6.06 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

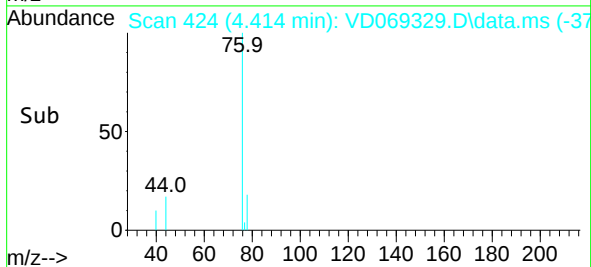
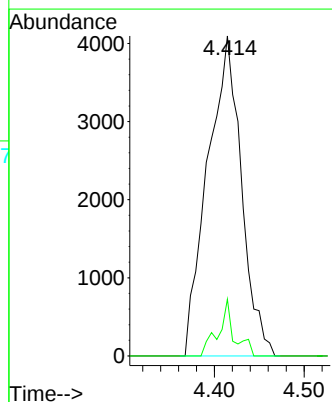
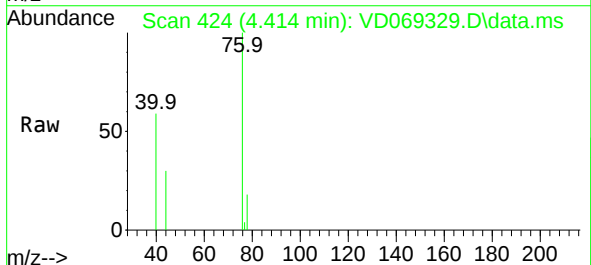
Instrument :
MSVOA_D
ClientSampleId :

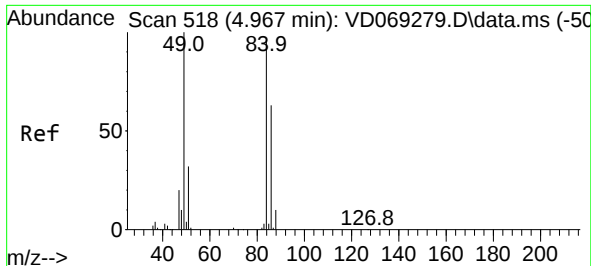
Tgt Ion: 43 Resp: 3032
Ion Ratio Lower Upper
43 100
58 0.0 27.5 41.3#



#17
Carbon Disulfide
Concen: 1.08 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

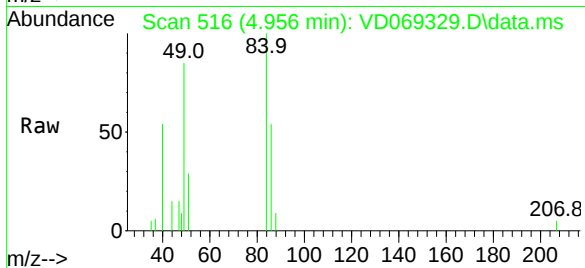
Tgt Ion: 76 Resp: 10700
Ion Ratio Lower Upper
76 100
78 17.7 7.4 11.0#



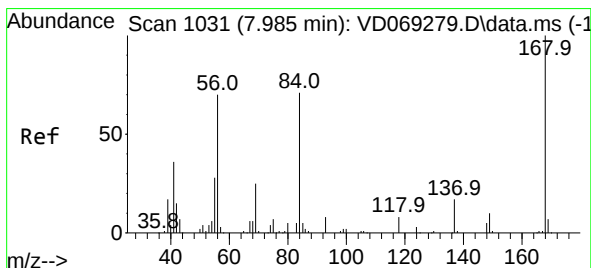
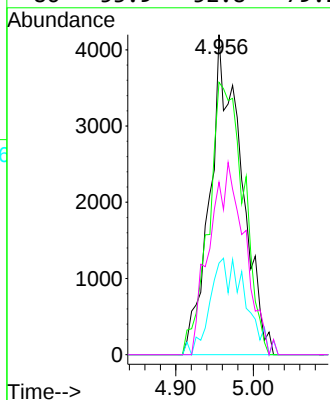
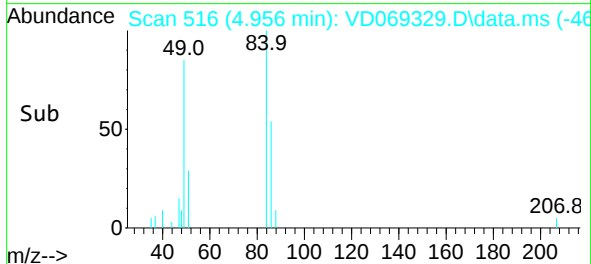


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

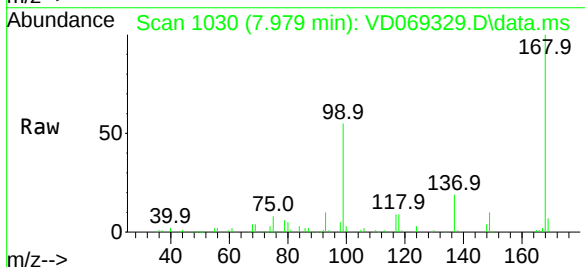
Instrument :
MSVOA_D
ClientSampled :



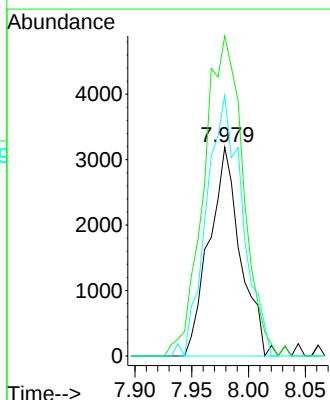
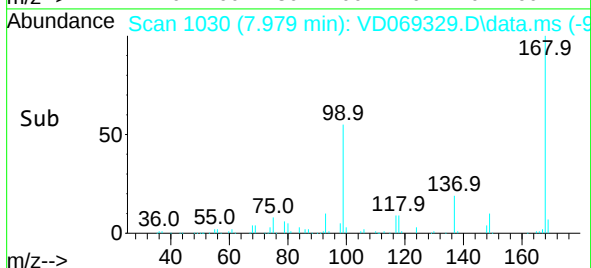
Tgt Ion:	84	Resp:	11809
Ion	Ratio	Lower	Upper
84	100		
49	85.1	83.7	125.5
51	28.6	26.4	39.6
86	53.9	52.8	79.2

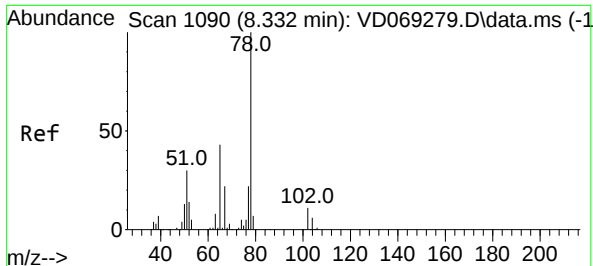


#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10



Tgt Ion:	56	Resp:	6139
Ion	Ratio	Lower	Upper
56	100		
69	153.3	29.0	43.4#
84	124.7	81.1	121.7#

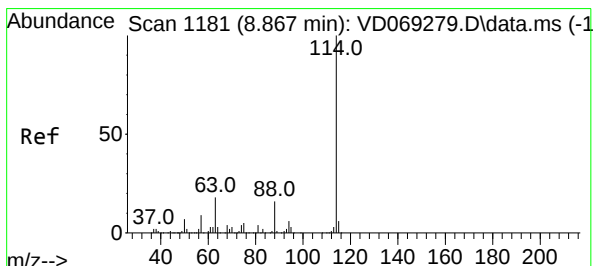
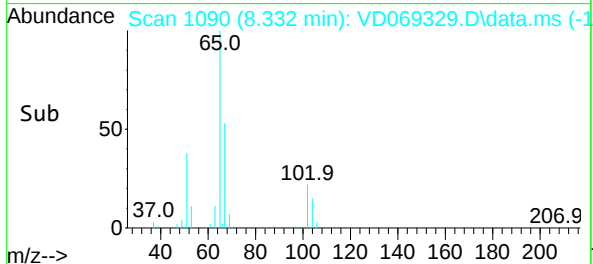
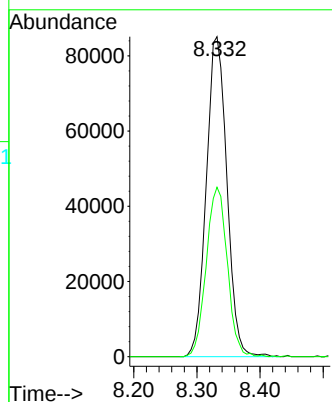
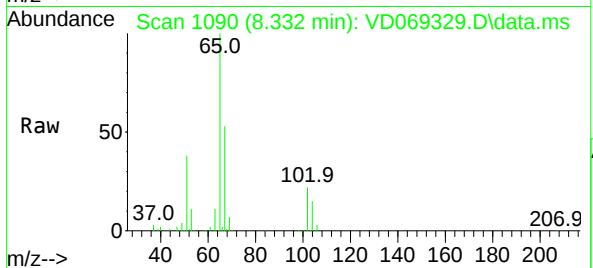




#33
1,2-Dichloroethane-d4
Concen: 67.29 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

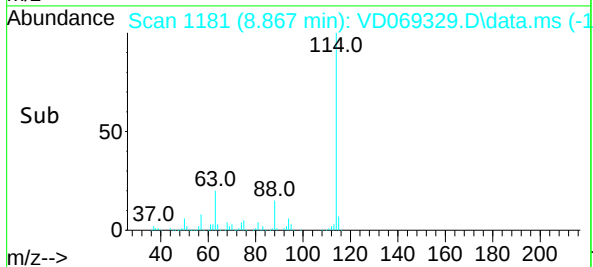
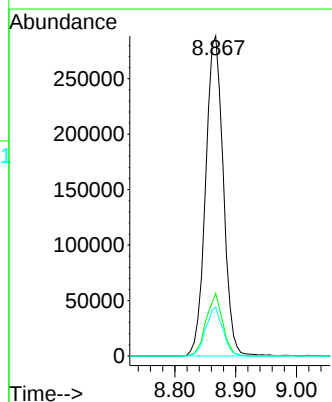
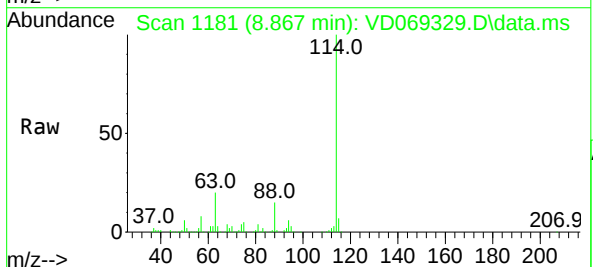
Instrument :
MSVOA_D
ClientSampleId :

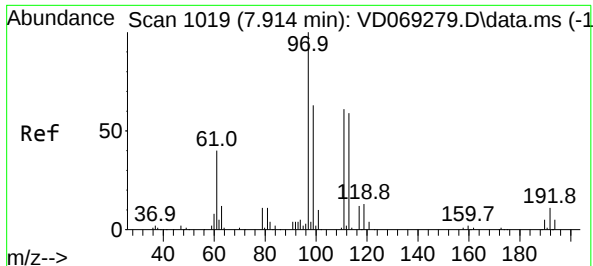
Tgt Ion: 65 Resp: 192931
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Tgt Ion:114 Resp: 580989
Ion Ratio Lower Upper
114 100
63 19.6 0.0 35.6
88 15.3 0.0 31.2





#35

Dibromofluoromethane

Concen: 56.36 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD069329.D

Acq: 03 Jun 2021 17:10

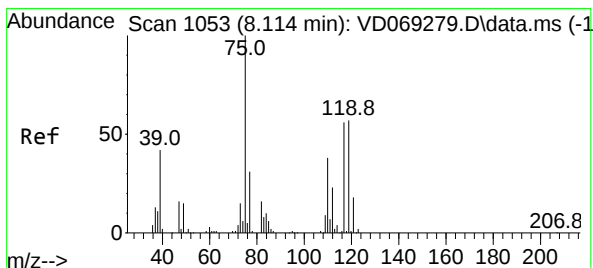
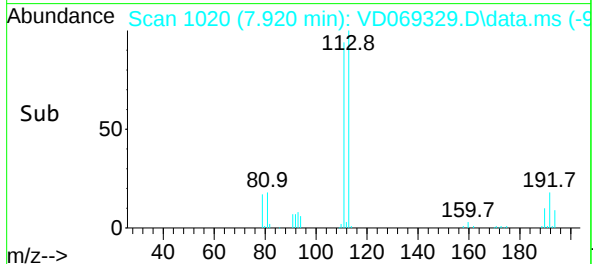
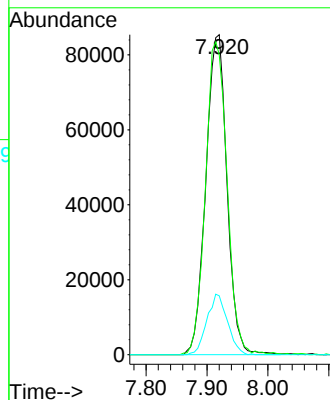
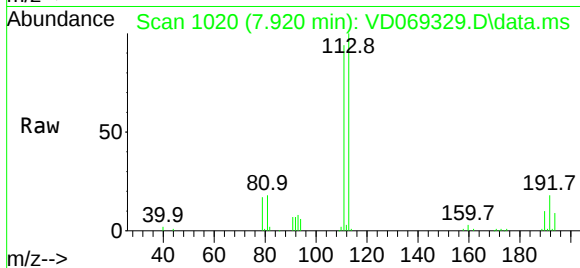
Tgt Ion:113 Resp: 205623

Ion Ratio Lower Upper

113 100

111 100.0 83.0 124.6

192 18.4 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.21 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069329.D

Acq: 03 Jun 2021 17:10

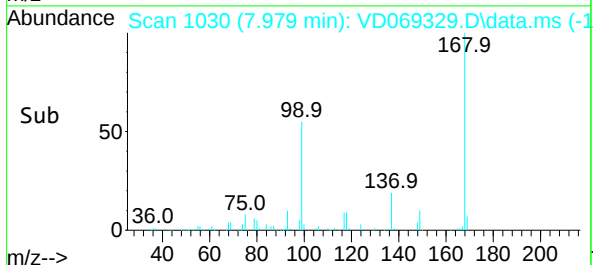
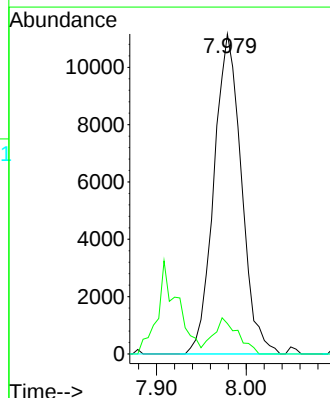
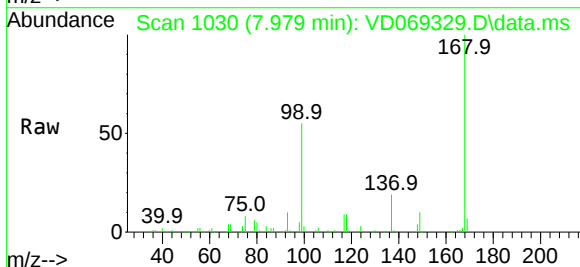
Tgt Ion: 75 Resp: 23762

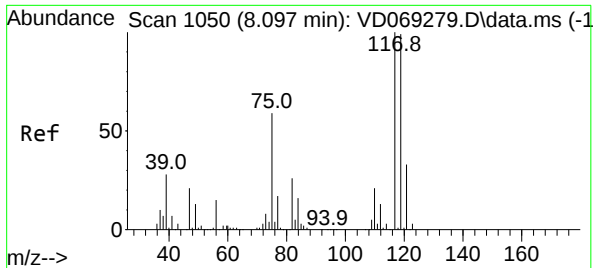
Ion Ratio Lower Upper

75 100

110 10.1 18.4 55.2#

77 0.0 24.9 37.3#

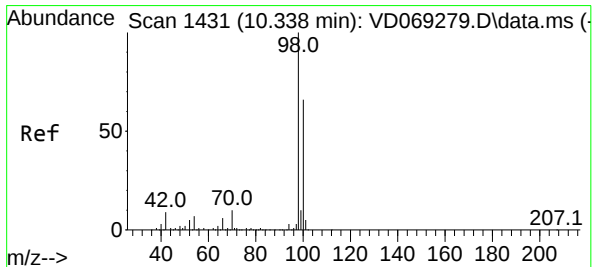
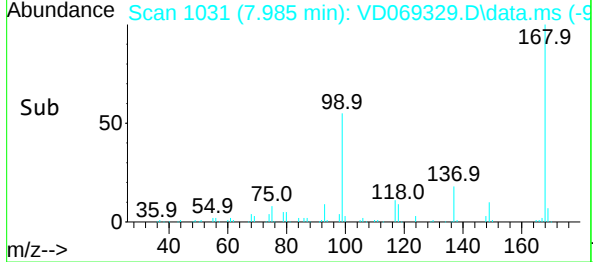
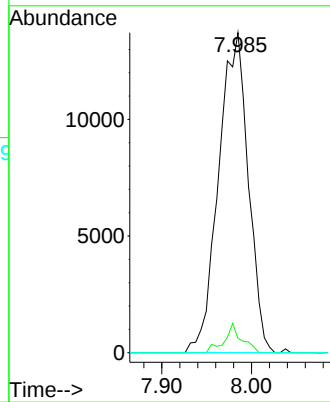
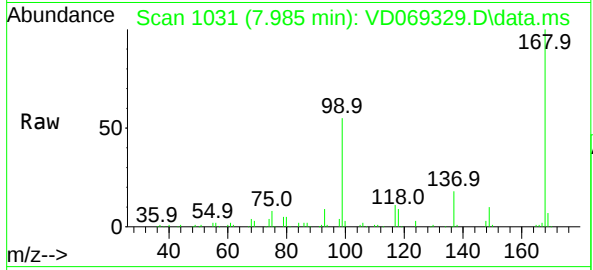




#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

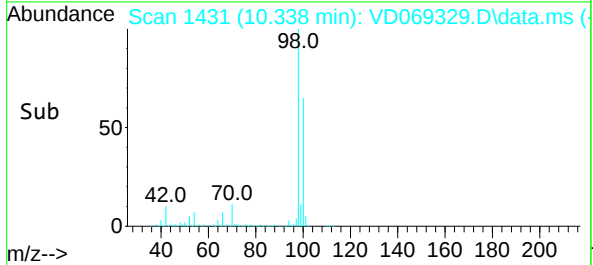
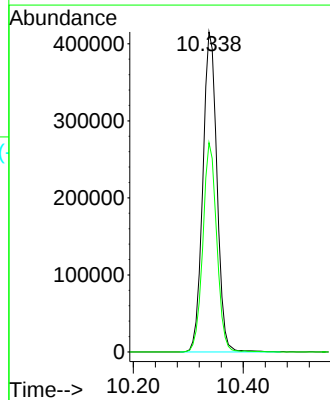
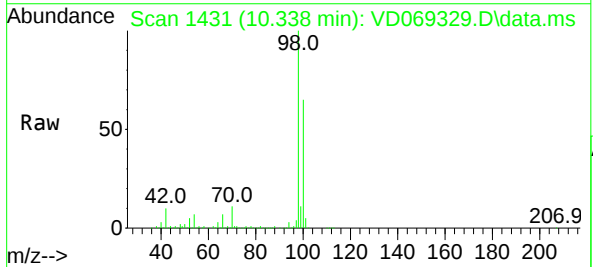
Instrument :
MSVOA_D
ClientSampleId :

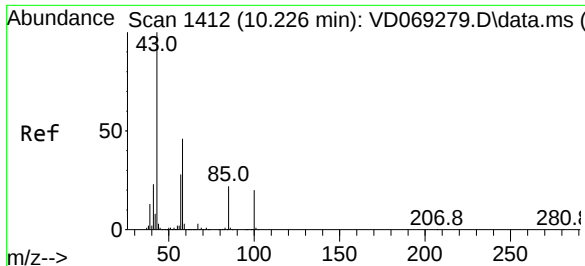
Tgt Ion:117 Resp: 31469
Ion Ratio Lower Upper
117 100
119 4.5 79.4 119.2#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 55.80 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Tgt Ion: 98 Resp: 740271
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1

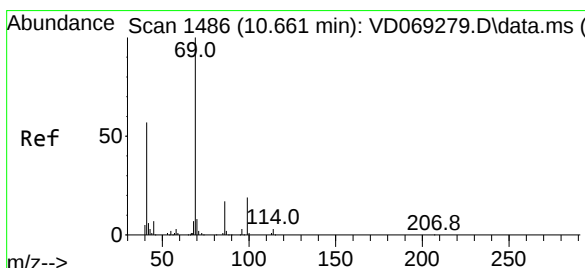
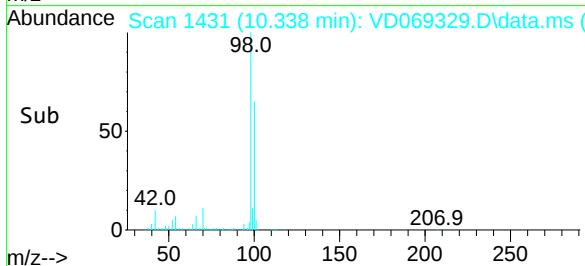
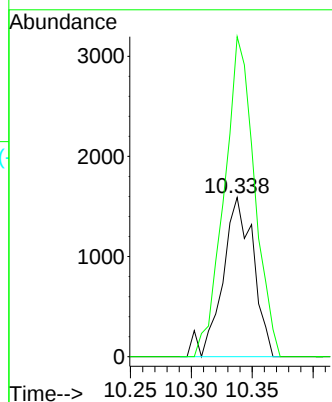
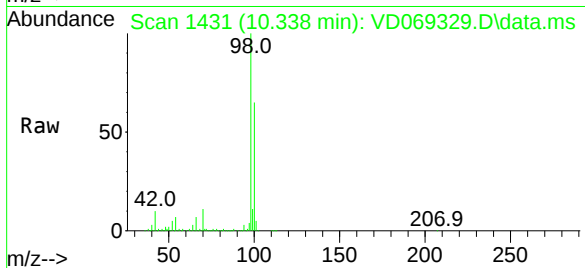




#51
4-Methyl-2-Pentanone
Concen: 1.55 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

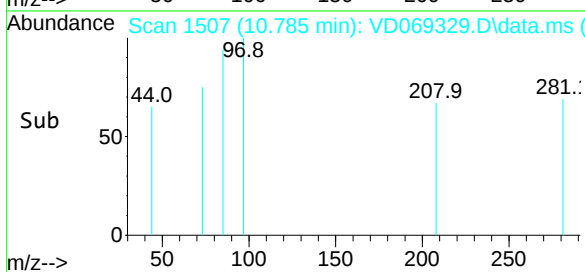
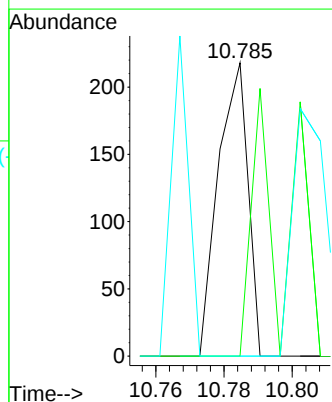
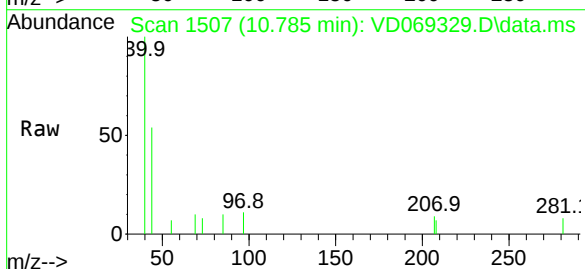
Instrument :
MSVOA_D
ClientSampleId :

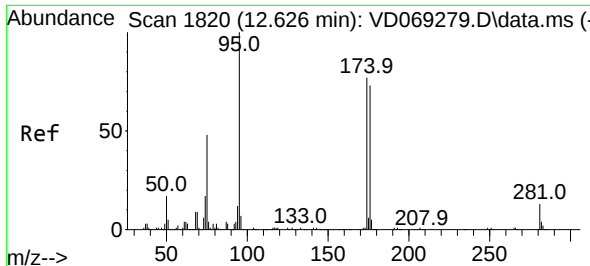
Tgt Ion: 43 Resp: 2799
Ion Ratio Lower Upper
43 100
58 197.6 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.67 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. 0.124 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Tgt Ion: 69 Resp: 131
Ion Ratio Lower Upper
69 100
41 104.6 45.4 68.2#
39 92.4 21.7 32.5#

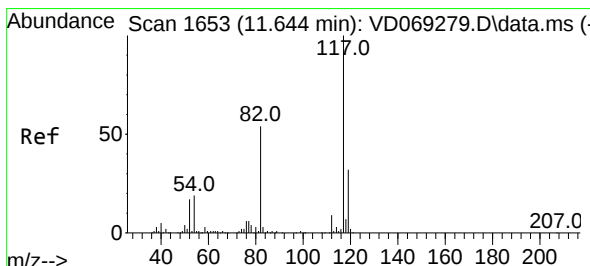
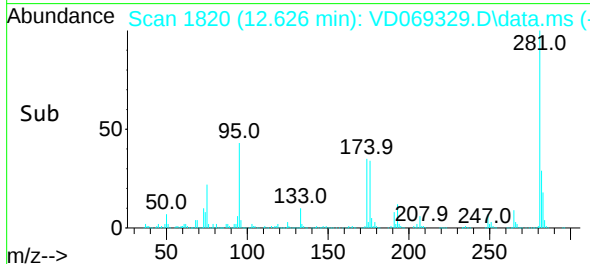
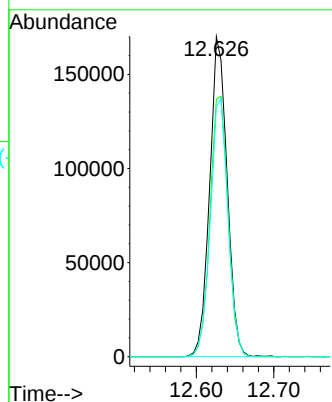
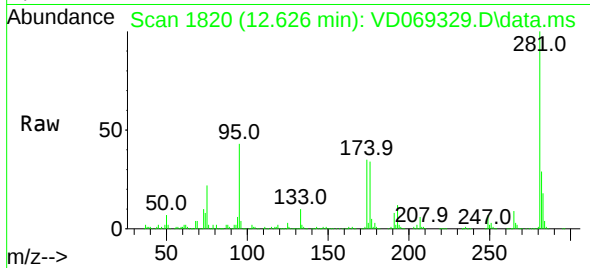




#62
4-Bromofluorobenzene
Concen: 61.28 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

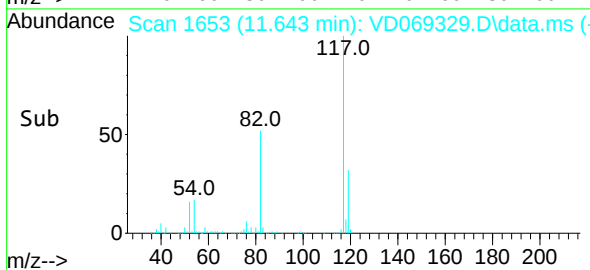
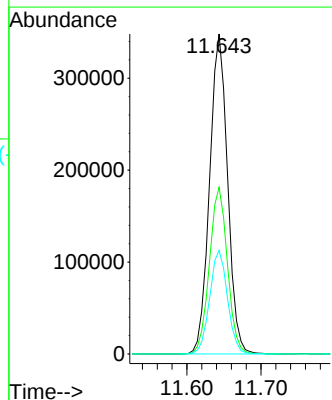
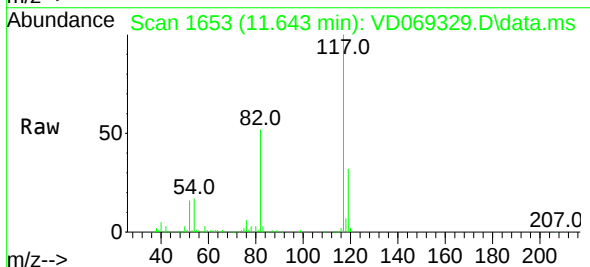
Instrument :
MSVOA_D
ClientSampleId :

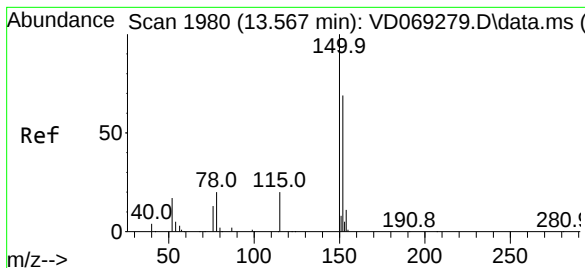
Tgt Ion: 95 Resp: 266411
Ion Ratio Lower Upper
95 100
174 83.8 0.0 162.8
176 81.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Tgt Ion: 117 Resp: 586331
Ion Ratio Lower Upper
117 100
82 52.1 43.3 64.9
119 32.3 25.3 37.9

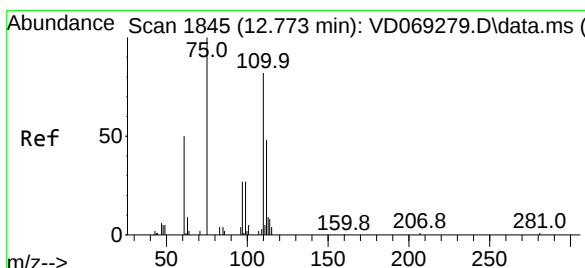
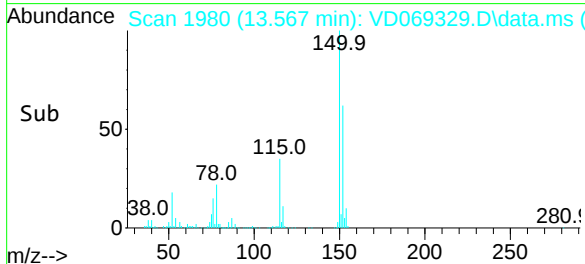
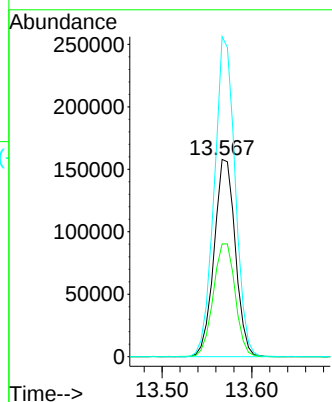
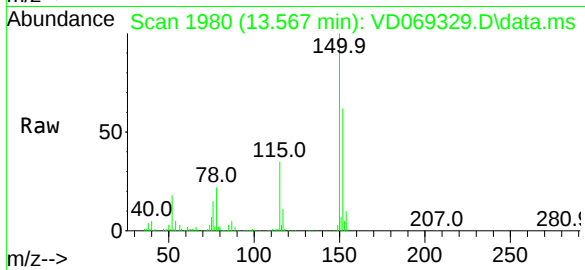




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069329.D
 Acq: 03 Jun 2021 17:10

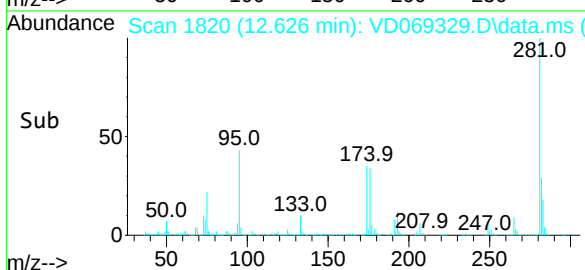
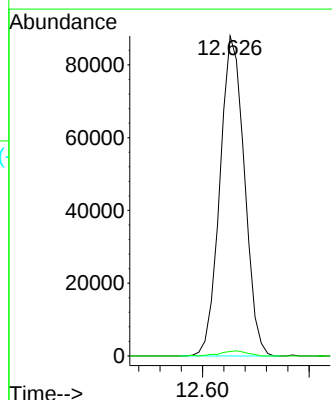
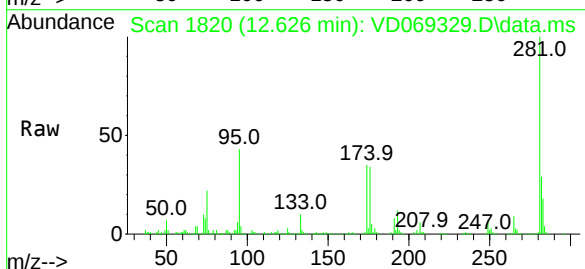
Instrument :
 MSVOA_D
 ClientSampleId :

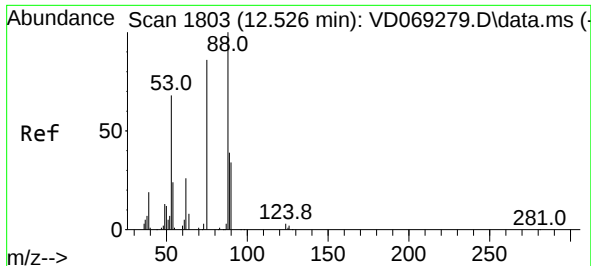
Tgt Ion:152 Resp: 259335
 Ion Ratio Lower Upper
 152 100
 115 59.3 29.4 88.3
 150 159.2 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 62.26 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069329.D
 Acq: 03 Jun 2021 17:10

Tgt Ion: 75 Resp: 140274
 Ion Ratio Lower Upper
 75 100
 77 1.7 183.8 551.2#

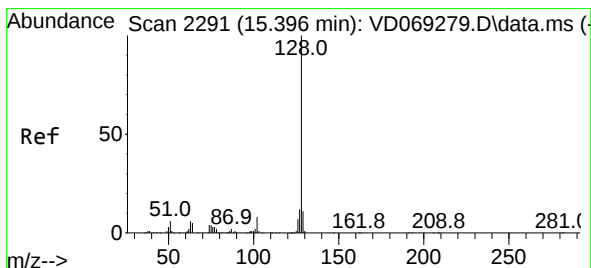
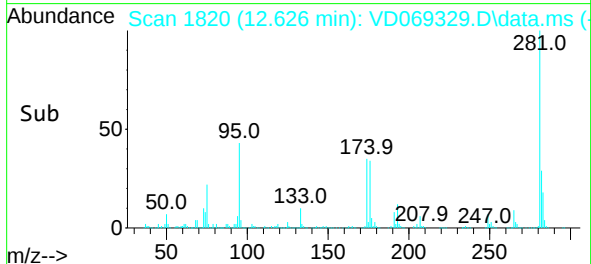
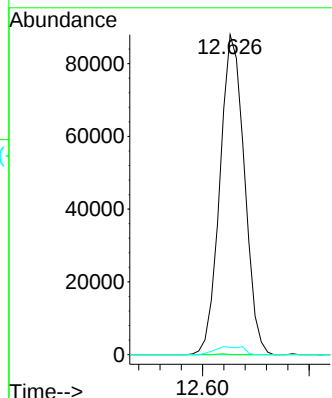
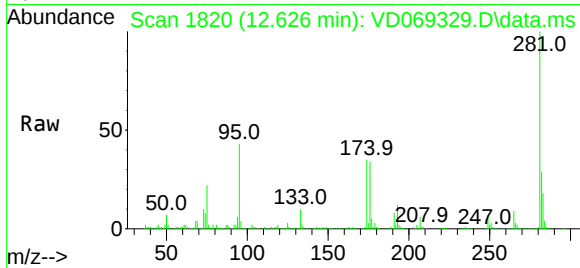




#81
trans-1,4-Dichloro-2-butene
Concen: 137.96 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 140274
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 2.9 35.6 53.4#



#95
Naphthalene
Concen: 4.08 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069329.D
Acq: 03 Jun 2021 17:10

Tgt Ion: 128 Resp: 7364
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 6.7 8.8 13.2#

