

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069088.D
 Acq On : 06 May 2021 21:23
 Operator : VA/SY
 Sample : M2279-04
 Misc : 6.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:13:18 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

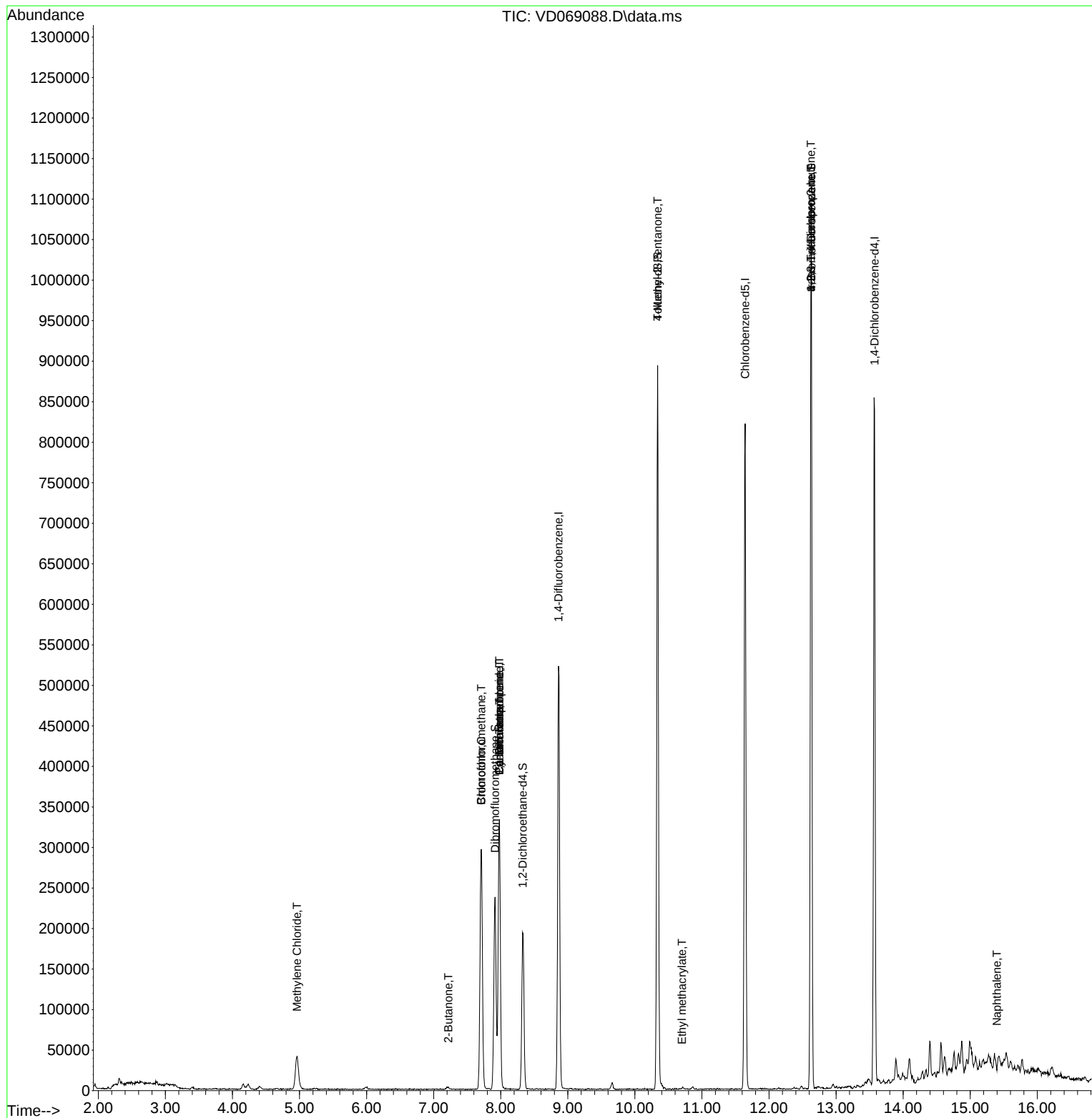
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	247267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	460128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	491751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	227134	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	159414	50.02	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.04%
35) Dibromofluoromethane	7.914	113	166668	52.82	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.64%
50) Toluene-d8	10.338	98	595700	51.14	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.28%
62) 4-Bromofluorobenzene	12.632	95	223141	58.24	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.48%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.215	59	2288	Below Cal	#	81
16) Acetone	4.156	43	9739	Below Cal		97
20) Methylene Chloride	4.962	84	34336	4.88	ug/l	89
25) 2-Butanone	7.220	43	2223	3.26	ug/l #	86
28) Bromochloromethane	7.709	49	21590	10.16	ug/l #	11
30) Chloroform	7.709	83	294112	49.95	ug/l	98
31) Cyclohexane	7.979	56	5709	1.24	ug/l #	20
36) 1,1-Dichloropropene	7.979	75	19764	4.08	ug/l #	51
38) Carbon Tetrachloride	7.979	117	26097	4.97	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	2201	1.26	ug/l #	1
56) Ethyl methacrylate	10.703	69	66	2.39	ug/l #	26
76) 1,2,3-Trichloropropane	12.626	75	117397	59.37	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	117397	129.19	ug/l #	10
95) Naphthalene	15.396	128	254	2.86	ug/l #	69

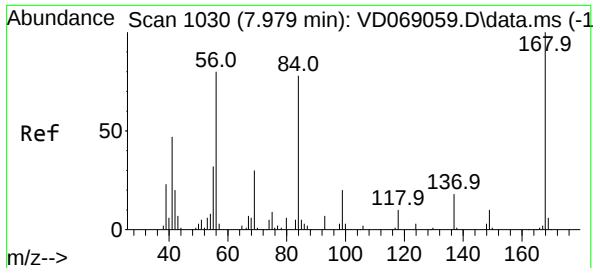
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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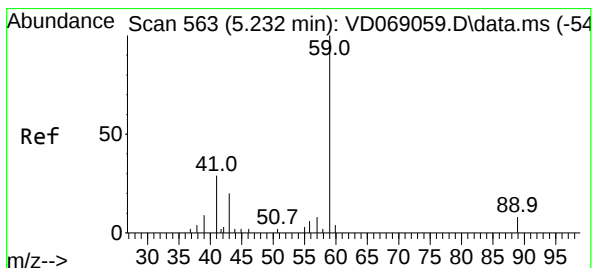
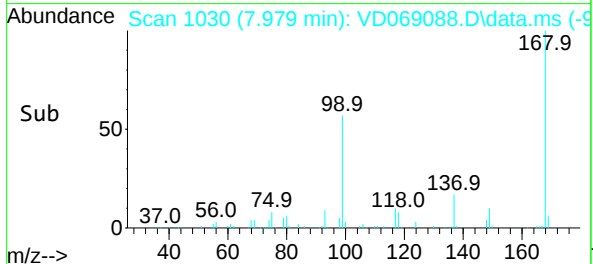
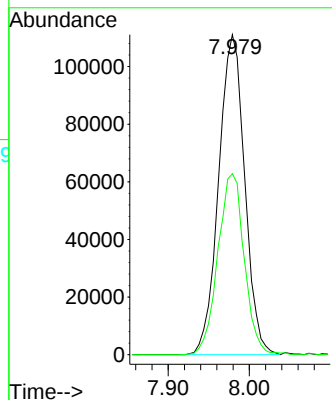
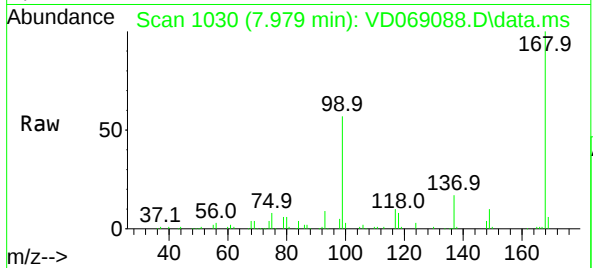




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

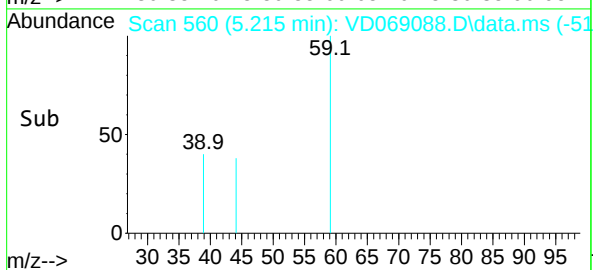
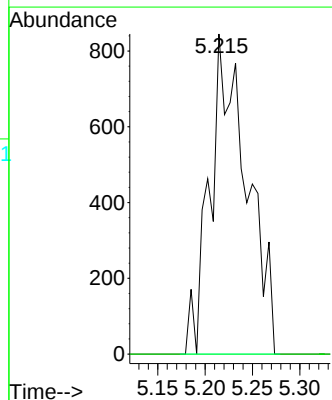
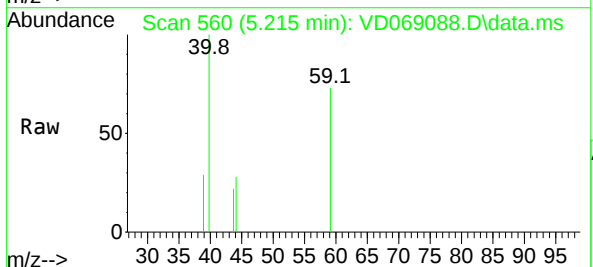
Instrument :
MSVOA_D
ClientSampled :

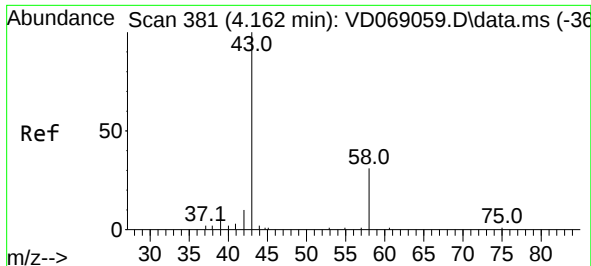
Tgt Ion:168 Resp: 247267
Ion Ratio Lower Upper
168 100
99 56.6 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.017 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Tgt Ion: 59 Resp: 2288
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

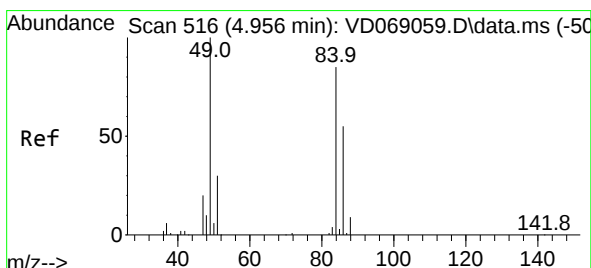
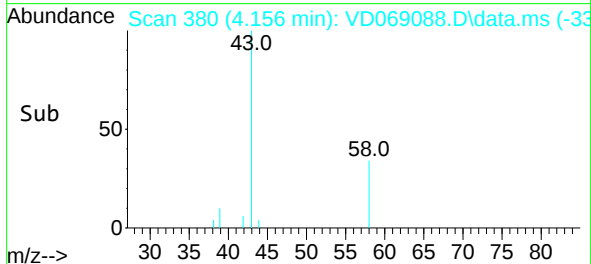
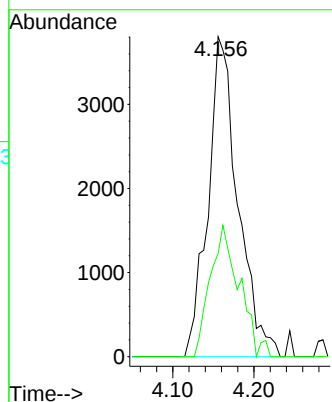
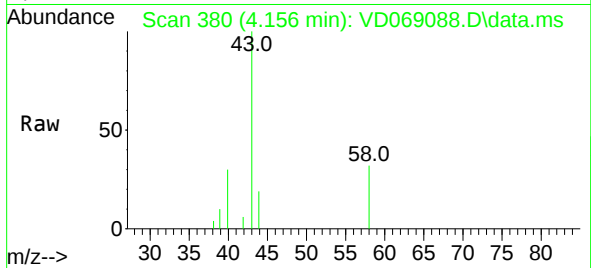




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

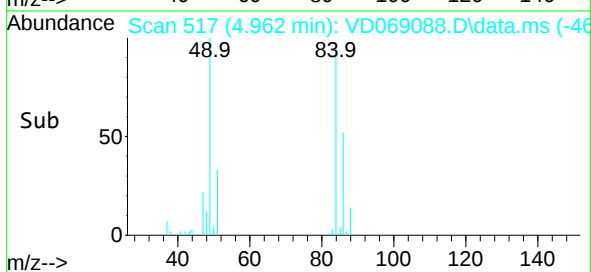
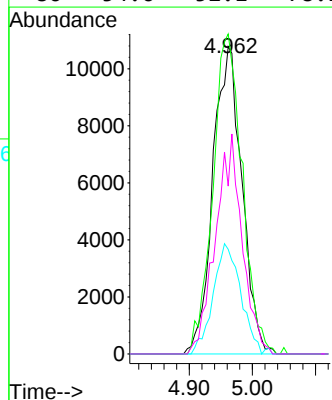
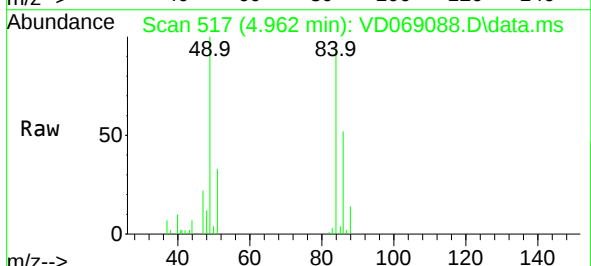
Instrument :
MSVOA_D
ClientSampled :

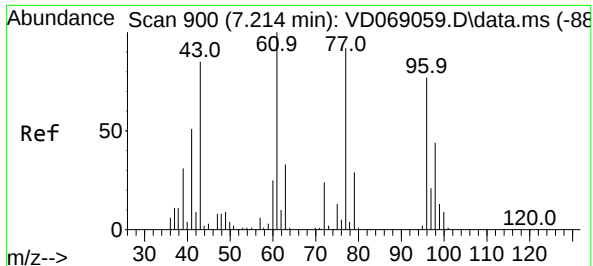
Tgt Ion: 43 Resp: 9739
Ion Ratio Lower Upper
43 100
58 32.2 24.5 36.7



#20
Methylene Chloride
Concen: 4.88 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Tgt Ion: 84 Resp: 34336
Ion Ratio Lower Upper
84 100
49 104.1 93.9 140.9
51 34.0 27.9 41.9
86 54.6 52.1 78.1

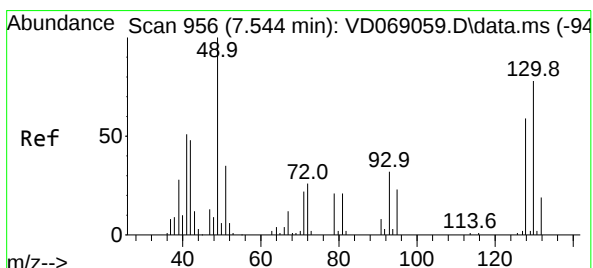
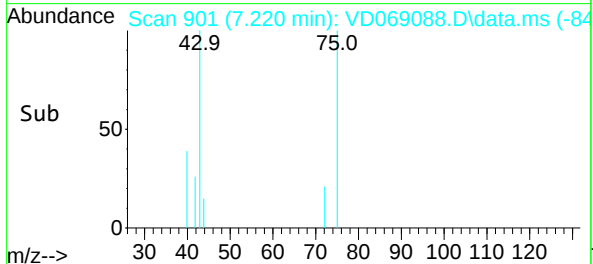
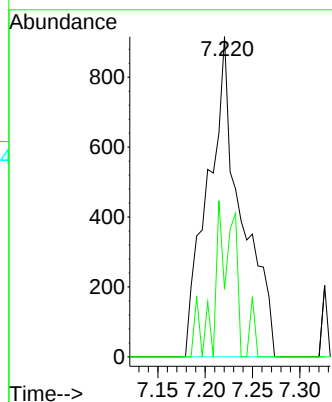
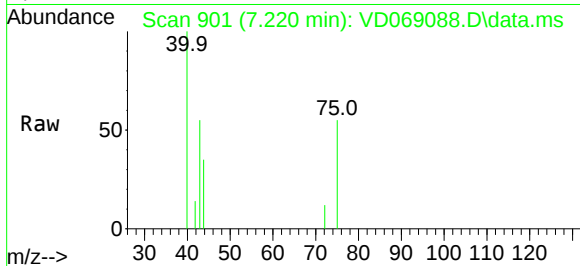




#25
2-Butanone
Concen: 3.26 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

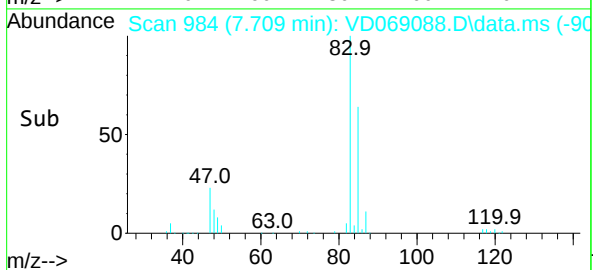
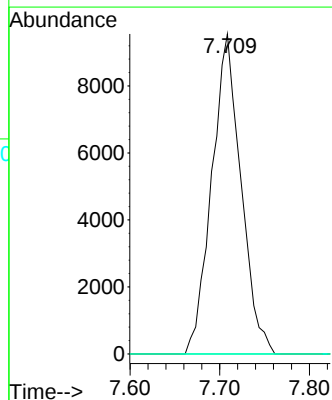
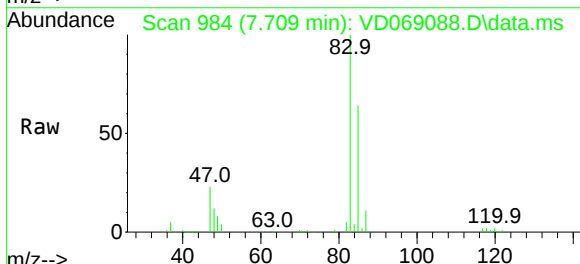
Instrument :
MSVOA_D
ClientSampled :

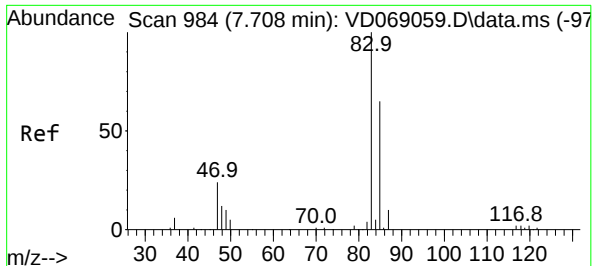
Tgt Ion: 43 Resp: 2223
Ion Ratio Lower Upper
43 100
72 21.1 23.0 34.4#



#28
Bromochloromethane
Concen: 10.16 ug/l
RT: 7.709 min Scan# 984
Delta R.T. 0.165 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Tgt Ion: 49 Resp: 21590
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.2
130 0.0 64.9 97.3#





#30

Chloroform

Concen: 49.95 ug/l

RT: 7.709 min Scan# 984

Delta R.T. 0.000 min

Lab File: VD069088.D

Acq: 06 May 2021 21:23

Tgt Ion: 83 Resp: 294112

Ion Ratio Lower Upper

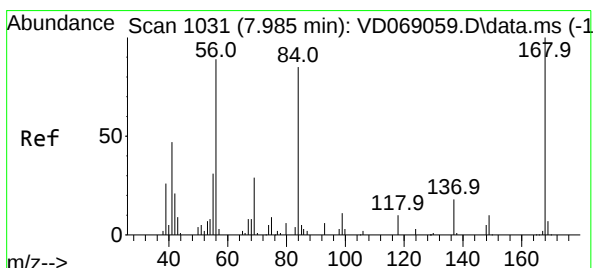
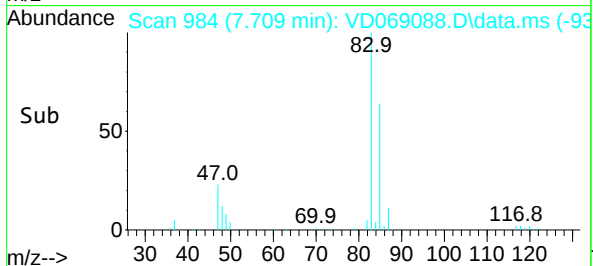
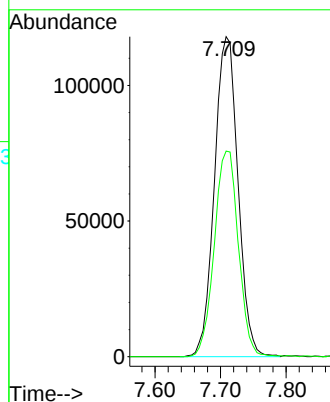
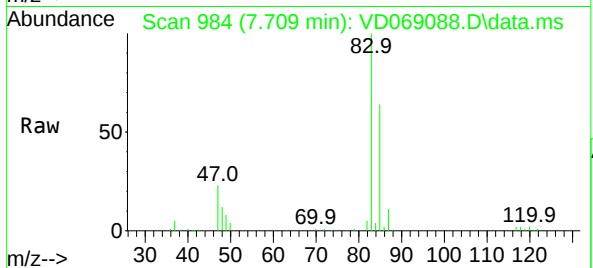
83 100

85 64.2 52.4 78.6

Instrument :

MSVOA_D

ClientSampled :



#31

Cyclohexane

Concen: 1.24 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069088.D

Acq: 06 May 2021 21:23

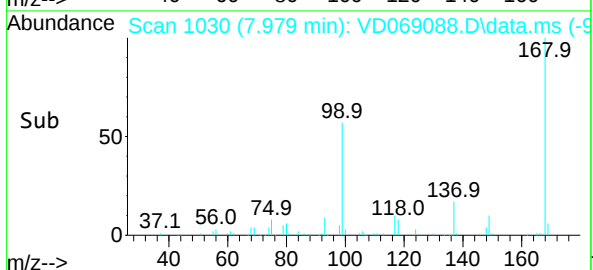
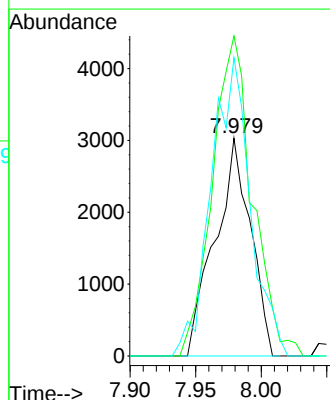
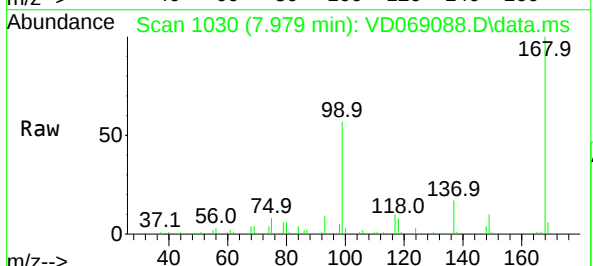
Tgt Ion: 56 Resp: 5709

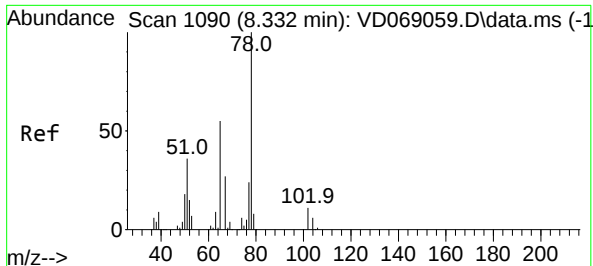
Ion Ratio Lower Upper

56 100

69 146.9 26.3 39.5#

84 130.9 75.9 113.9#

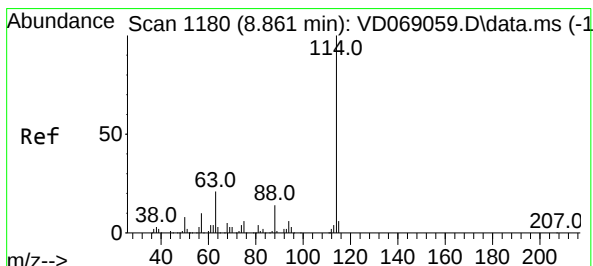
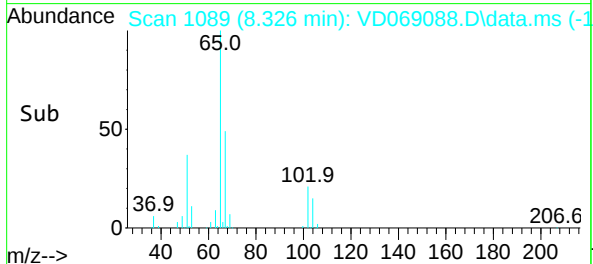
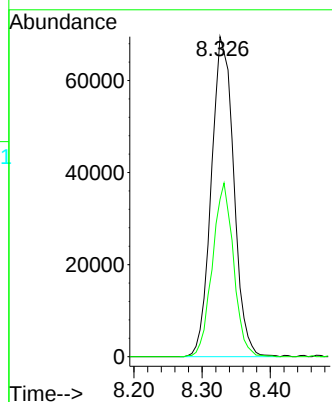
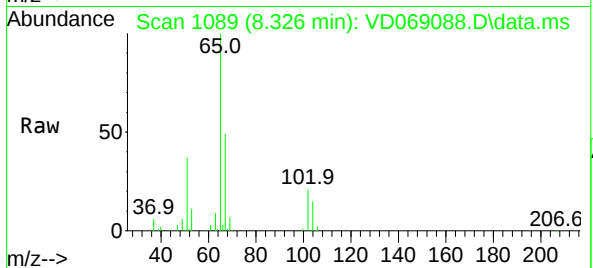




#33
1,2-Dichloroethane-d4
Concen: 50.02 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

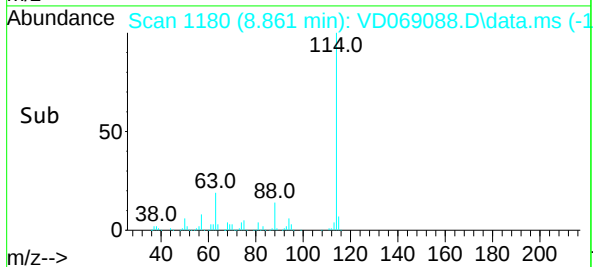
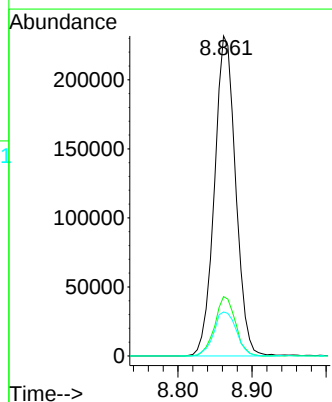
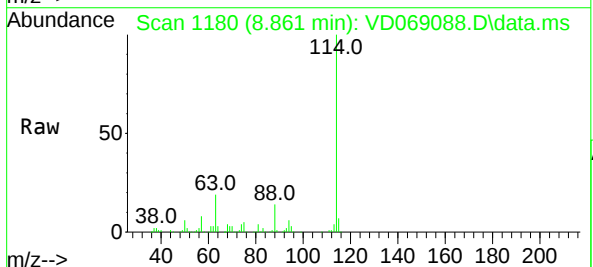
Instrument :
MSVOA_D
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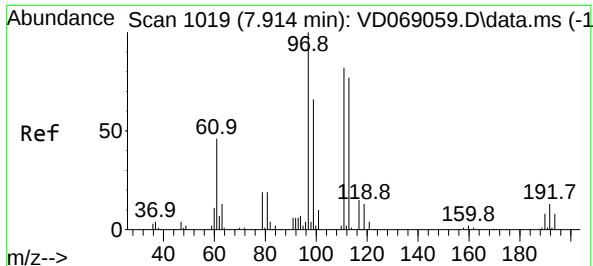
Tgt Ion: 65 Resp: 159414
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Tgt Ion: 114 Resp: 460128
Ion Ratio Lower Upper
114 100
63 18.6 0.0 41.4
88 13.8 0.0 27.8

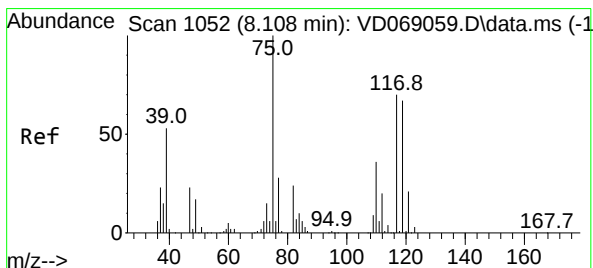
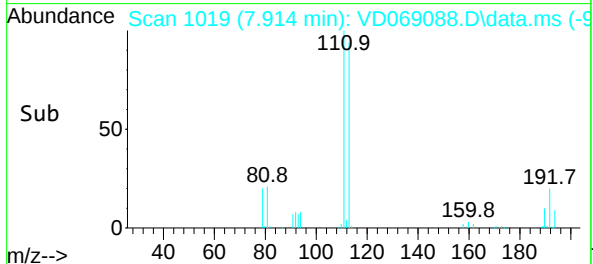
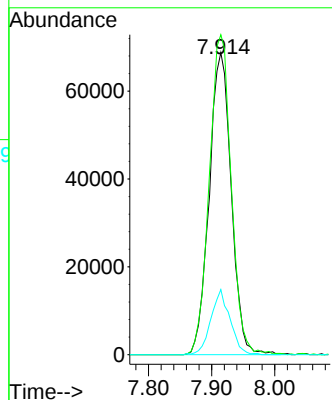
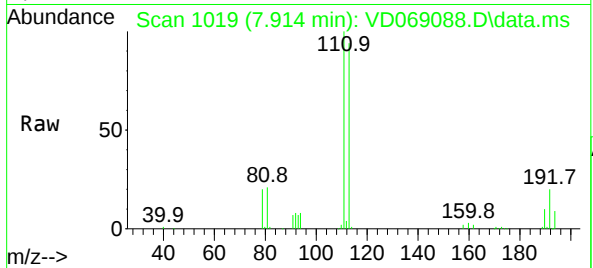




#35
Dibromofluoromethane
Concen: 52.82 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

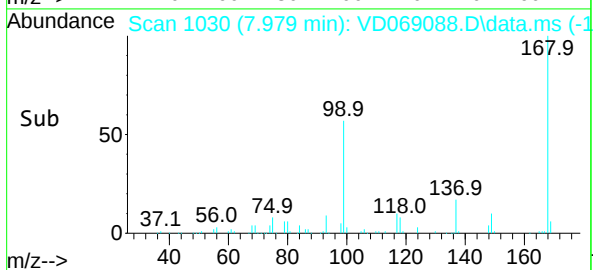
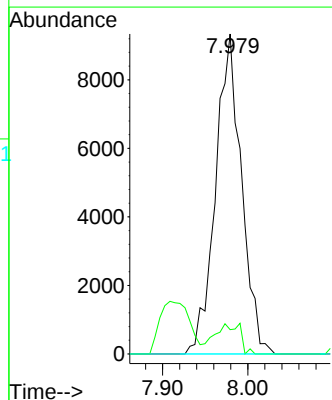
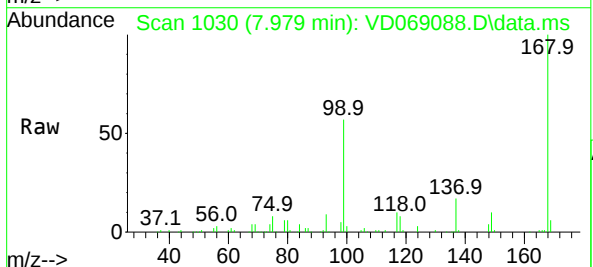
Instrument :
MSVOA_D
ClientSampled :

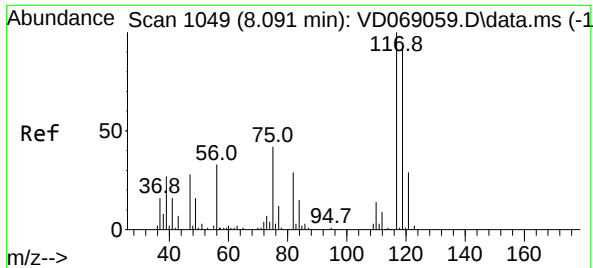
Tgt Ion:113 Resp: 166668
Ion Ratio Lower Upper
113 100
111 105.6 84.6 126.8
192 18.8 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.08 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

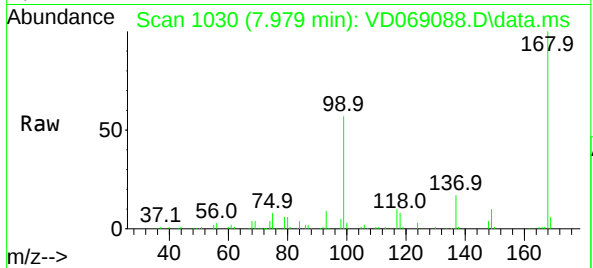
Tgt Ion: 75 Resp: 19764
Ion Ratio Lower Upper
75 100
110 9.0 17.3 51.7#
77 0.0 23.9 35.9#



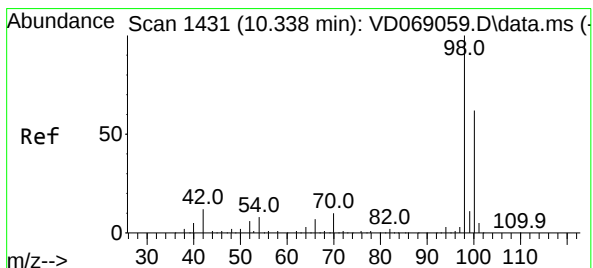
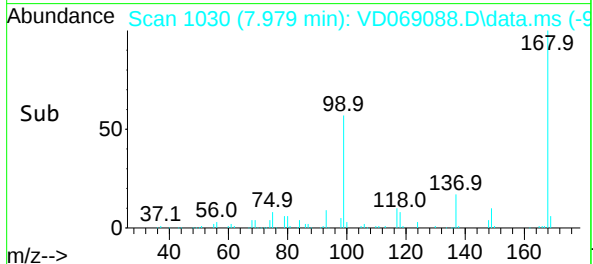
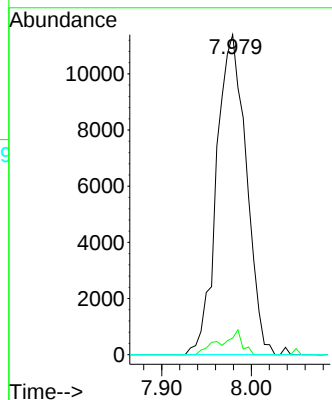


#38
Carbon Tetrachloride
Concen: 4.97 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Instrument :
MSVOA_D
ClientSampled :

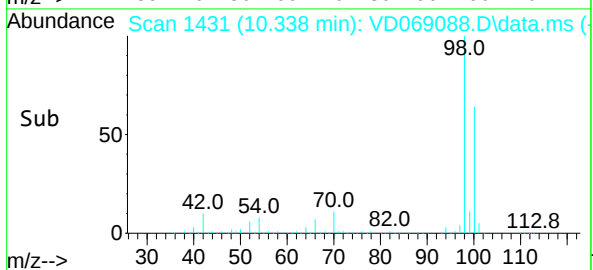
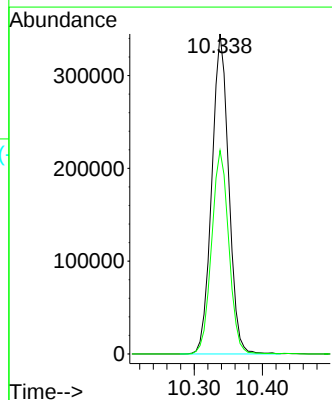
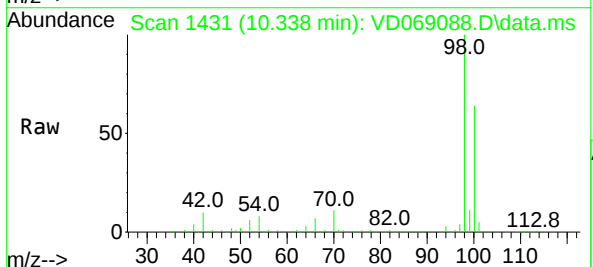


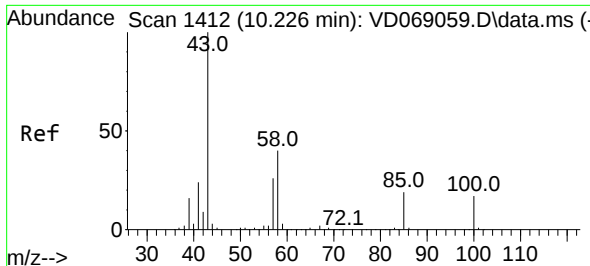
Tgt Ion:117 Resp: 26097
Ion Ratio Lower Upper
117 100
119 5.2 74.7 112.1#
121 0.0 23.1 34.7#



#50
Toluene-d8
Concen: 51.14 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Tgt Ion: 98 Resp: 595700
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

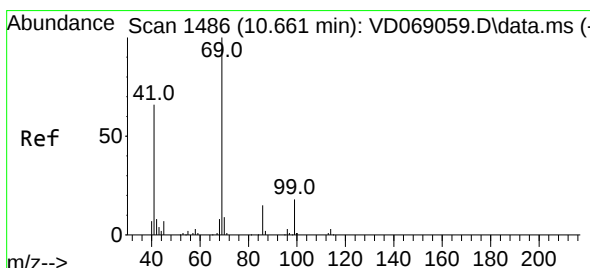
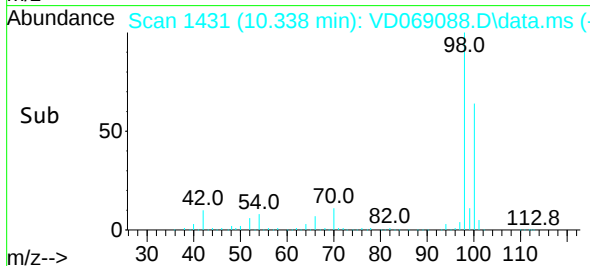
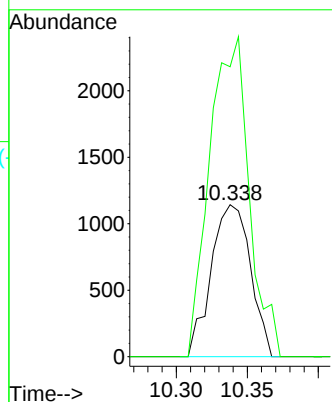
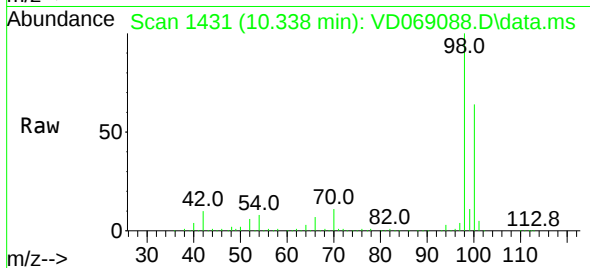




#51
4-Methyl-2-Pentanone
Concen: 1.26 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

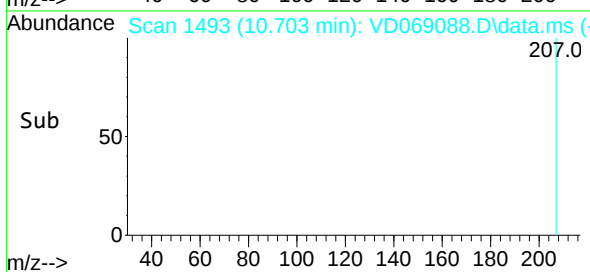
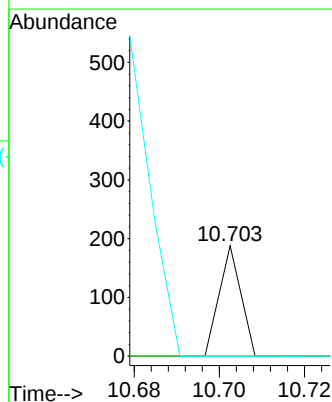
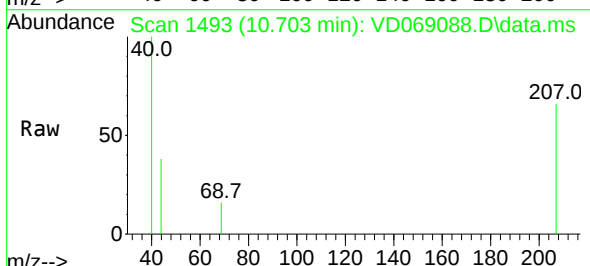
Instrument :
MSVOA_D
ClientSampled :

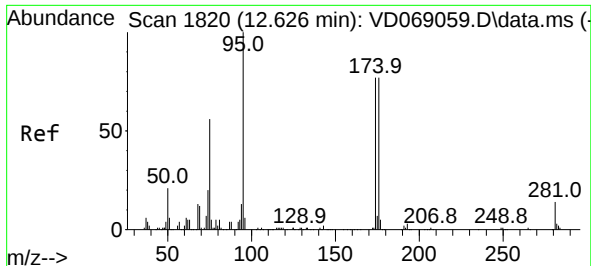
Tgt Ion: 43 Resp: 2201
Ion Ratio Lower Upper
43 100
58 211.3 32.7 49.1#



#56
Ethyl methacrylate
Concen: 2.39 ug/l
RT: 10.703 min Scan# 1493
Delta R.T. 0.042 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Tgt Ion: 69 Resp: 66
Ion Ratio Lower Upper
69 100
41 0.0 49.2 73.8#
39 0.0 29.8 44.6#

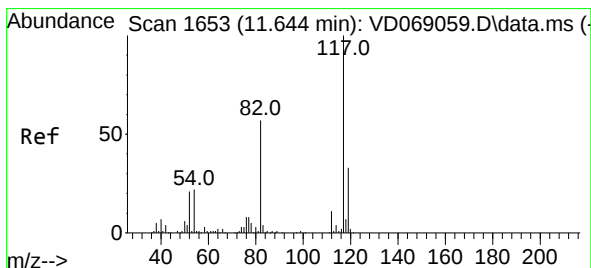
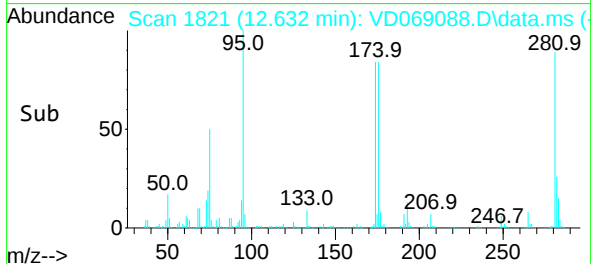
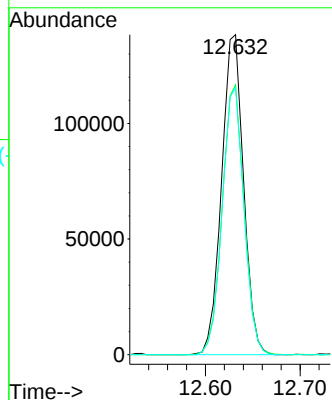
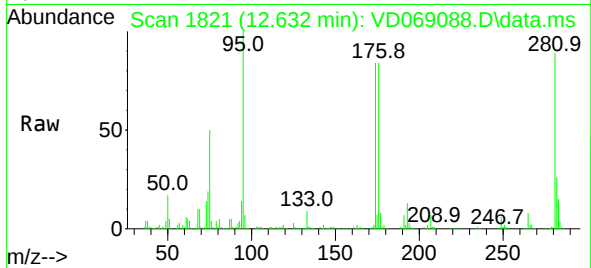




#62
4-Bromofluorobenzene
Concen: 58.24 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

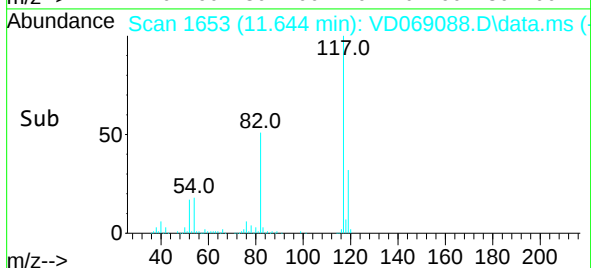
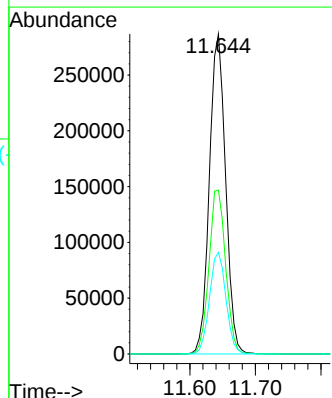
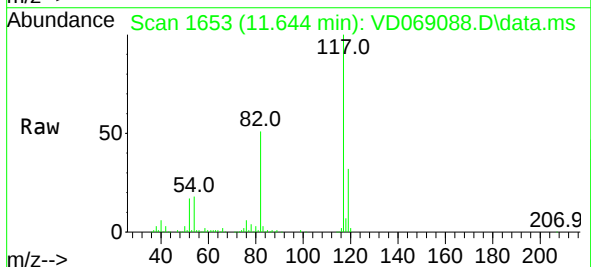
Instrument :
MSVOA_D
ClientSampleId :

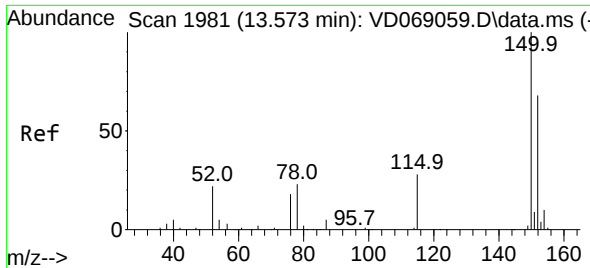
Tgt Ion: 95 Resp: 223141
Ion Ratio Lower Upper
95 100
174 84.1 0.0 156.0
176 82.8 0.0 149.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

Tgt Ion:117 Resp: 491751
Ion Ratio Lower Upper
117 100
82 51.2 45.4 68.2
119 31.8 26.8 40.2

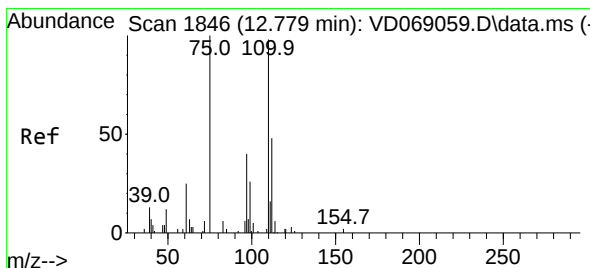
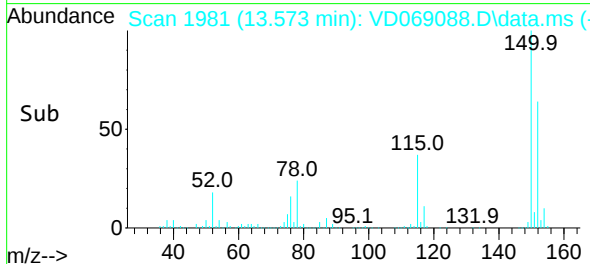
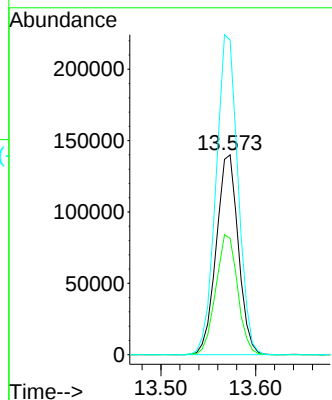
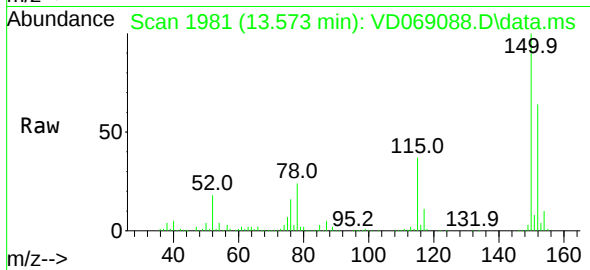




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

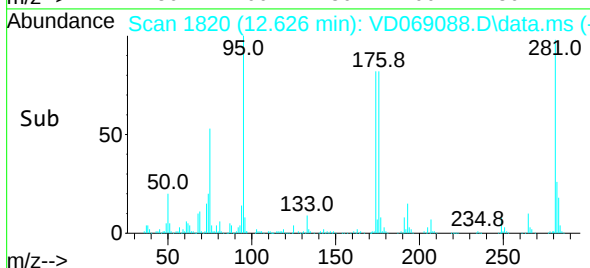
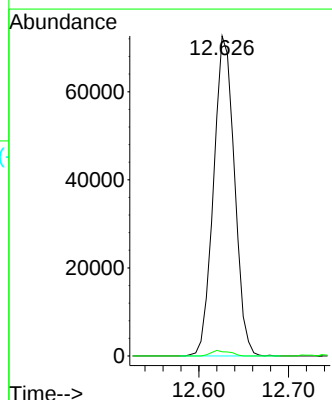
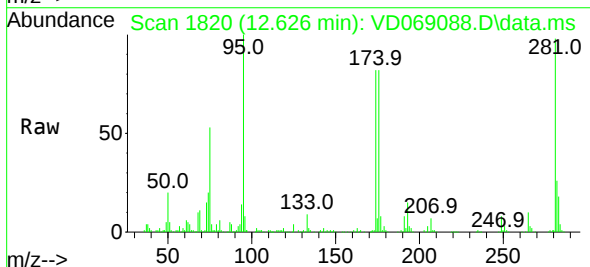
Instrument :
MSVOA_D
ClientSampled :

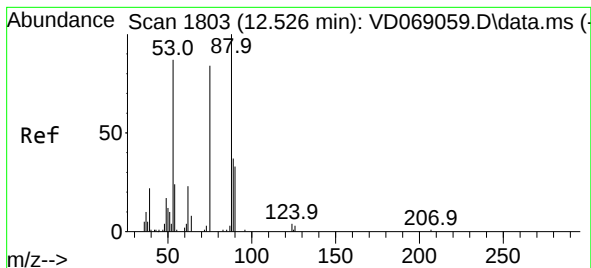
Tgt Ion:152 Resp: 227134
Ion Ratio Lower Upper
152 100
115 59.4 30.5 91.5
150 159.3 0.0 340.8



#76
1,2,3-Trichloropropane
Concen: 59.37 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

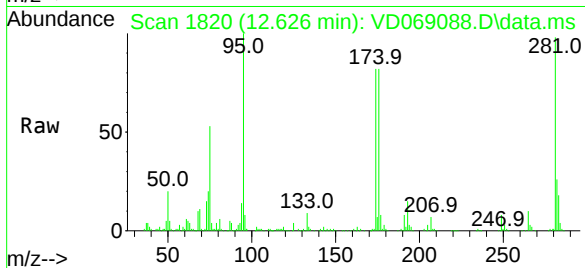
Tgt Ion: 75 Resp: 117397
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



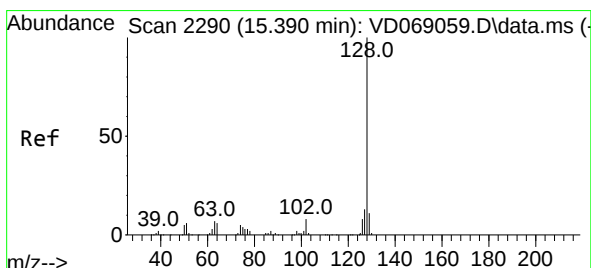
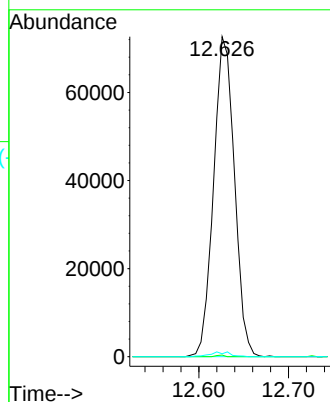
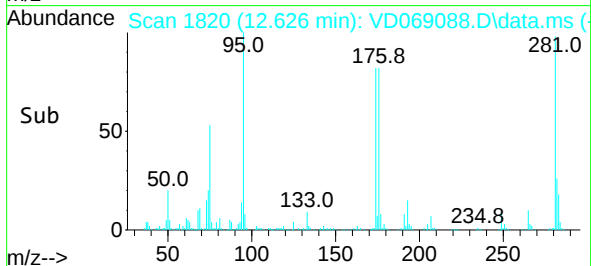


#81
trans-1,4-Dichloro-2-butene
Concen: 129.19 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23

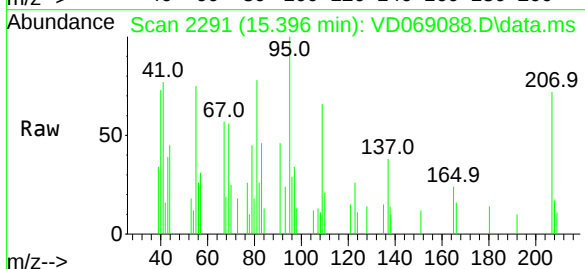
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 117397
Ion Ratio Lower Upper
75 100
53 0.2 80.4 120.6#
89 1.4 37.8 56.8#



#95
Naphthalene
Concen: 2.86 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069088.D
Acq: 06 May 2021 21:23



Tgt Ion:128 Resp: 254
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

