

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069318.D
 Acq On : 03 Jun 2021 11:54
 Operator : VA/SY
 Sample : VD0603SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 02:59:20 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	299036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	607871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	616596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	267823	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	198842	69.30	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.60%
35) Dibromofluoromethane	7.914	113	215779	56.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.06%
50) Toluene-d8	10.338	98	784804	56.54	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	113.08%
62) 4-Bromofluorobenzene	12.626	95	240612	52.90	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.80%

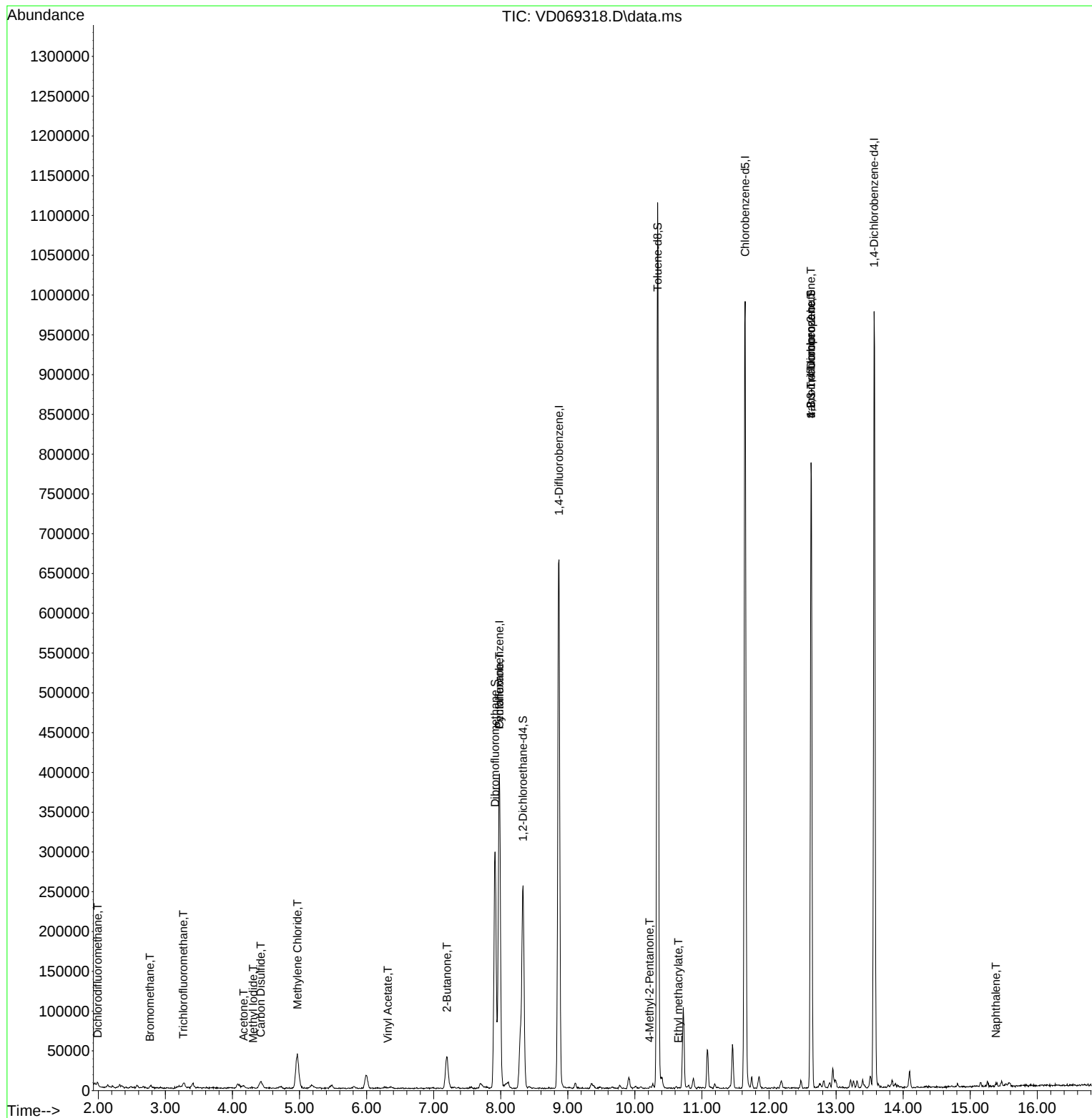
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	3283	1.04	ug/l	95
5) Bromomethane	2.768	94	2333	1.32	ug/l #	35
7) Trichlorofluoromethane	3.268	101	5828	1.04	ug/l #	81
10) Methyl Iodide	4.309	142	1461	2.92	ug/l #	56
11) Tert butyl alcohol	5.191	59	2604	Below	Cal #	73
16) Acetone	4.168	43	4965	9.92	ug/l	88
17) Carbon Disulfide	4.420	76	12132	1.22	ug/l #	84
20) Methylene Chloride	4.967	84	35996	3.54	ug/l	90
23) Vinyl Acetate	6.314	43	1021	11.83	ug/l #	67
25) 2-Butanone	7.197	43	1456	2.21	ug/l #	45
31) Cyclohexane	7.979	56	8675	1.90	ug/l #	37
51) 4-Methyl-2-Pentanone	10.220	43	1901	1.01	ug/l #	72
56) Ethyl methacrylate	10.650	69	382	2.74	ug/l #	31
76) 1,2,3-Trichloropropane	12.626	75	120790	51.91	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	120790	115.03	ug/l #	18
95) Naphthalene	15.385	128	4380	3.75	ug/l #	95

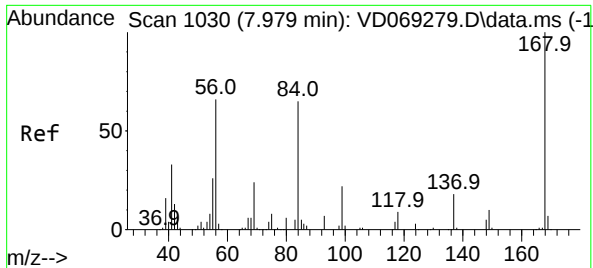
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 04 02:59:20 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

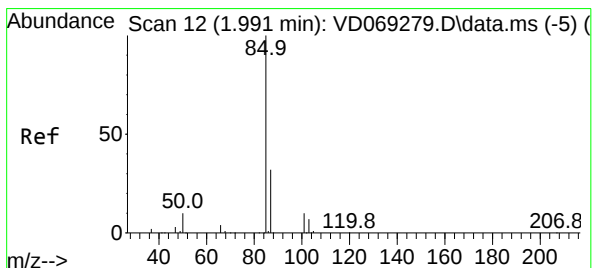
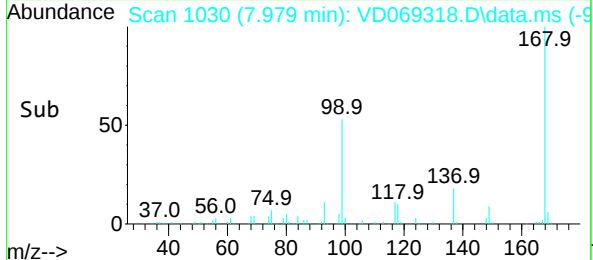
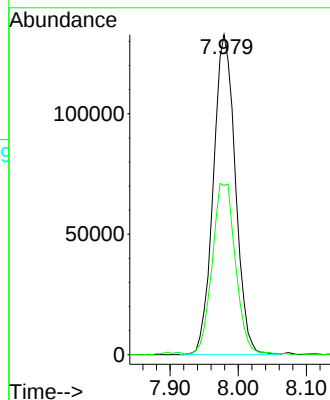
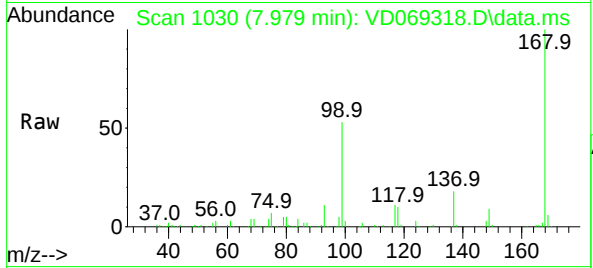




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

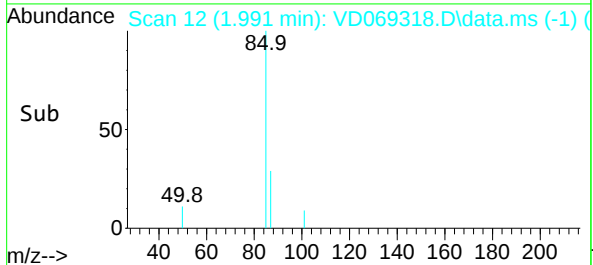
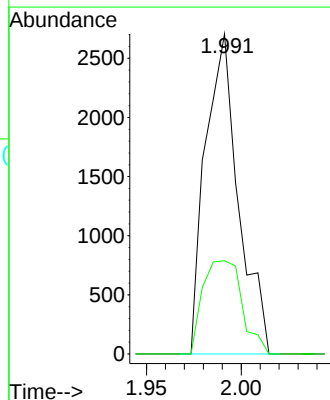
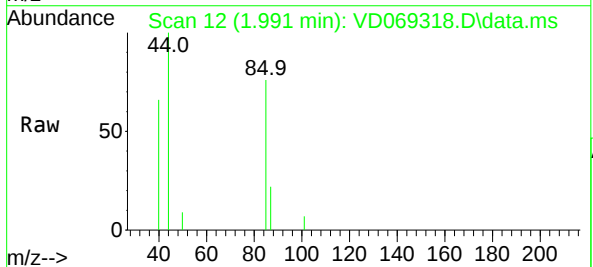
Instrument :
MSVOA_D
ClientSampled :

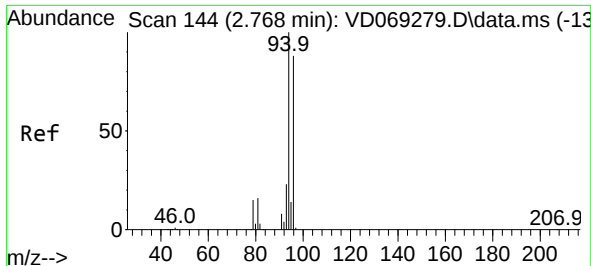
Tgt Ion:168 Resp: 299036
Ion Ratio Lower Upper
168 100
99 52.7 46.2 69.2



#2
Dichlorodifluoromethane
Concen: 1.04 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Tgt Ion: 85 Resp: 3283
Ion Ratio Lower Upper
85 100
87 29.2 15.9 47.7

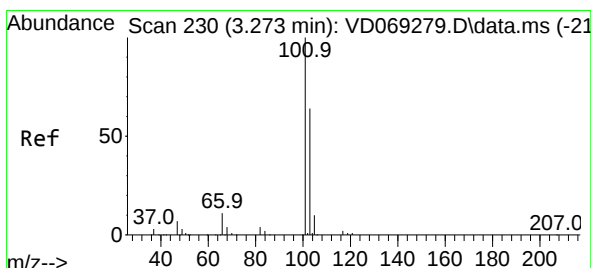
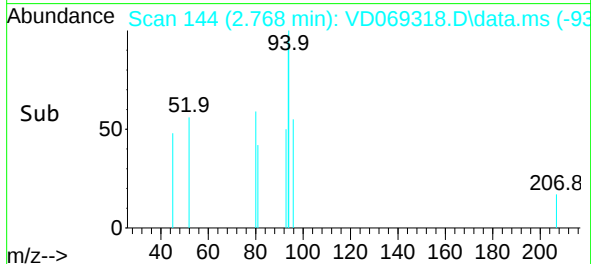
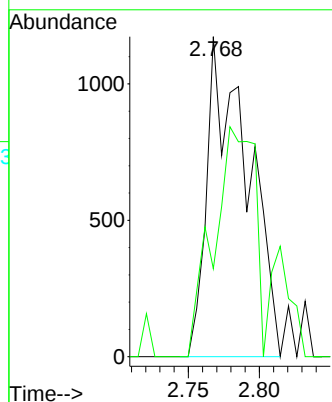
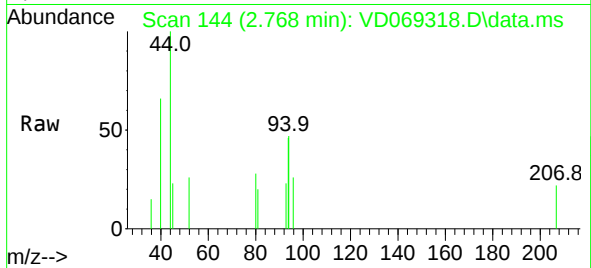




#5
Bromomethane
Concen: 1.32 ug/l
RT: 2.768 min Scan# 144
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

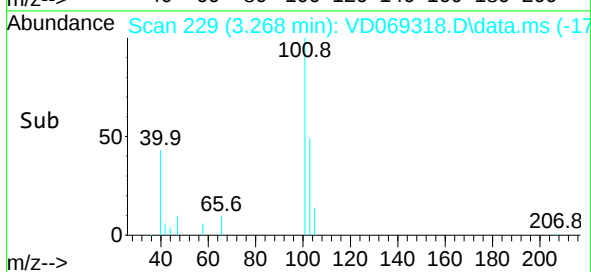
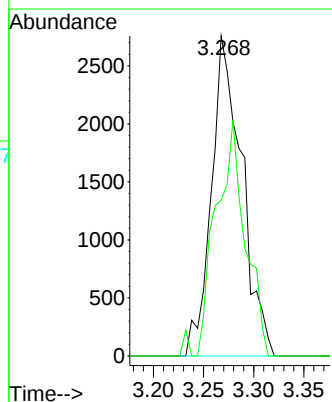
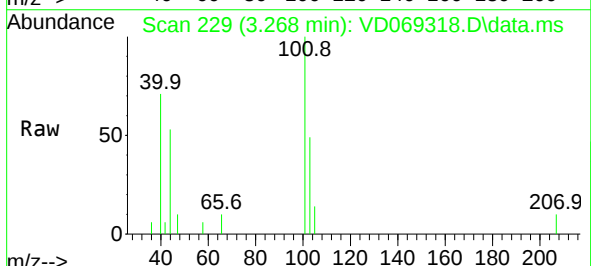
Instrument :
MSVOA_D
ClientSampled :

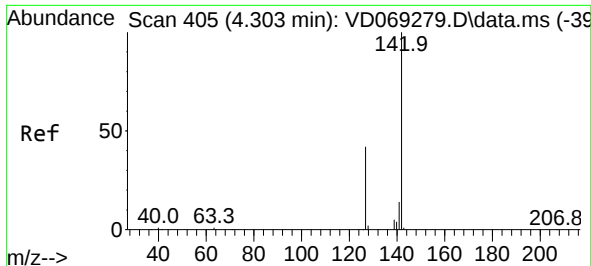
Tgt Ion: 94 Resp: 2333
Ion Ratio Lower Upper
94 100
96 27.5 70.3 105.5#



#7
Trichlorofluoromethane
Concen: 1.04 ug/l
RT: 3.268 min Scan# 229
Delta R.T. -0.006 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

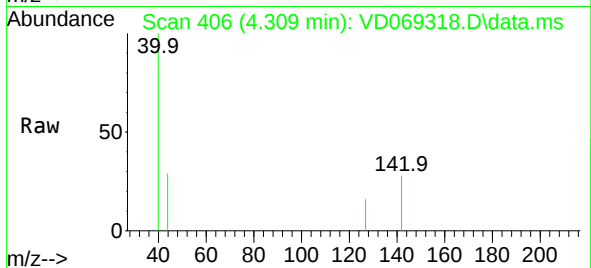
Tgt Ion: 101 Resp: 5828
Ion Ratio Lower Upper
101 100
103 48.6 51.0 76.4#



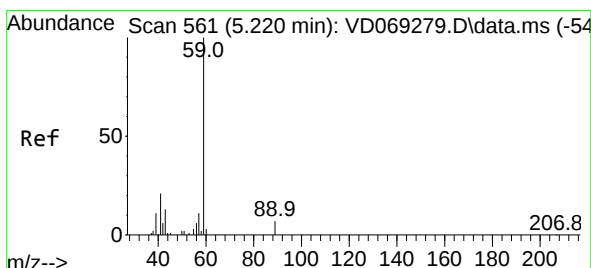
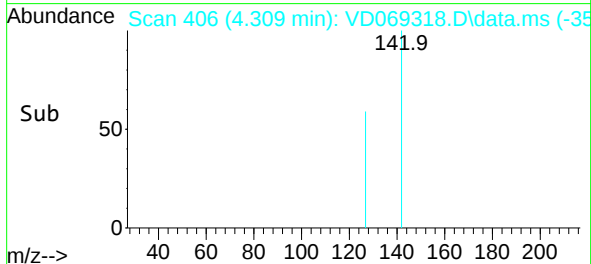
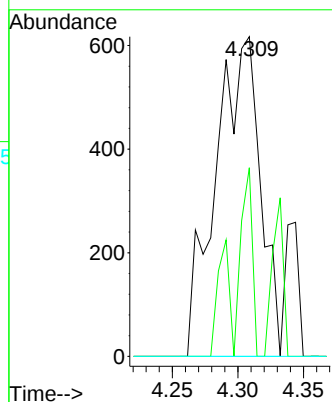


#10
Methyl Iodide
Concen: 2.92 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Instrument :
MSVOA_D
ClientSampled :

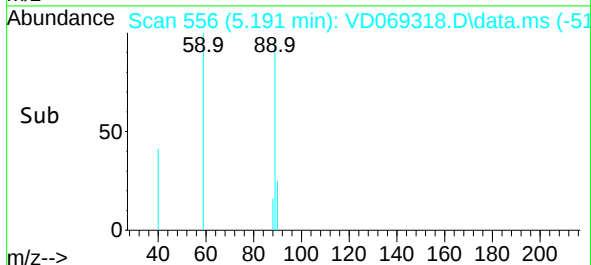
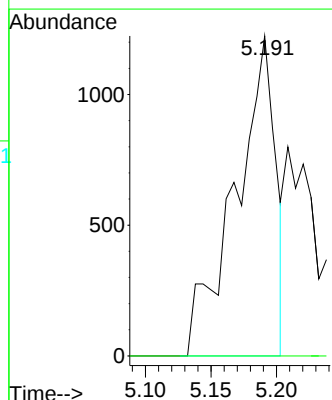
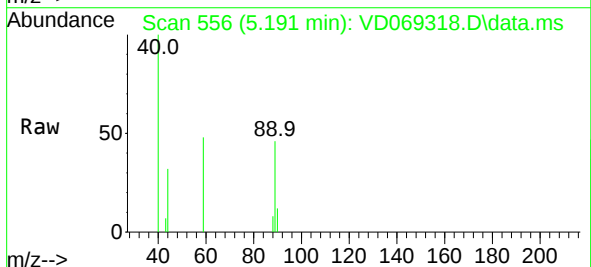


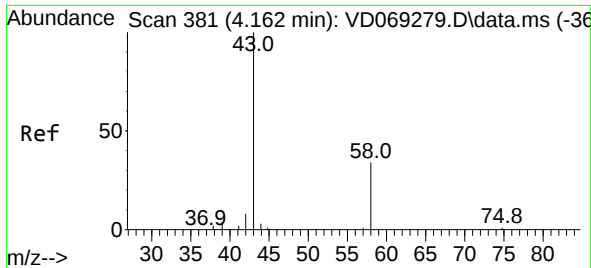
Tgt Ion:142 Resp: 1461
Ion Ratio Lower Upper
142 100
127 15.1 36.2 54.2#
141 0.0 12.2 18.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Tgt Ion: 59 Resp: 2604
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

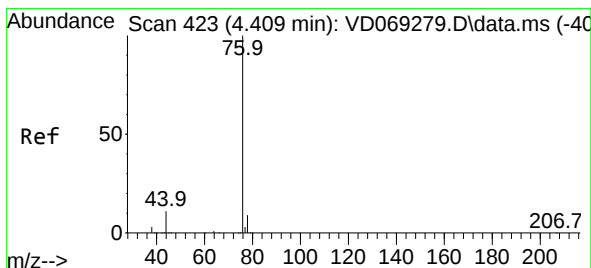
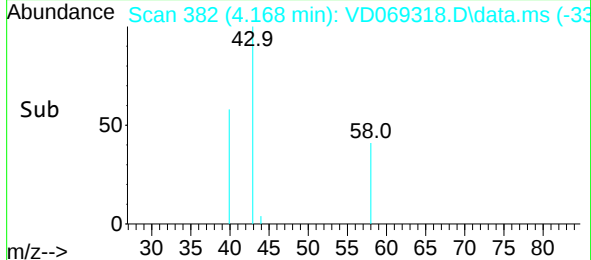
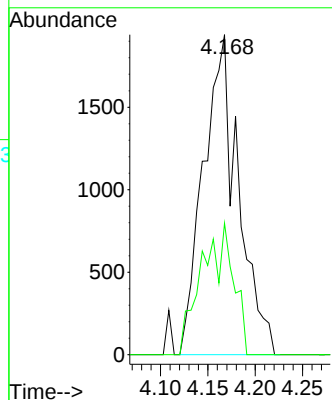
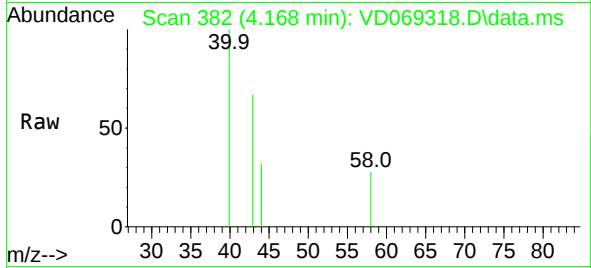




#16
Acetone
Concen: 9.92 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

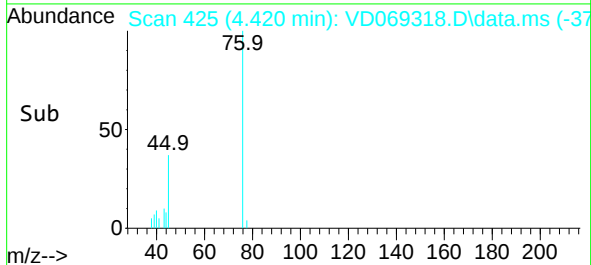
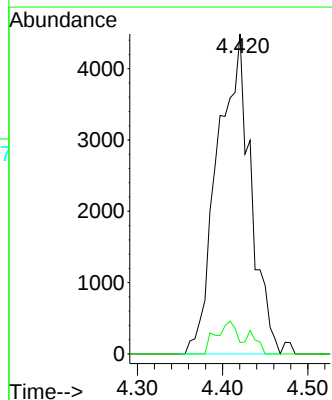
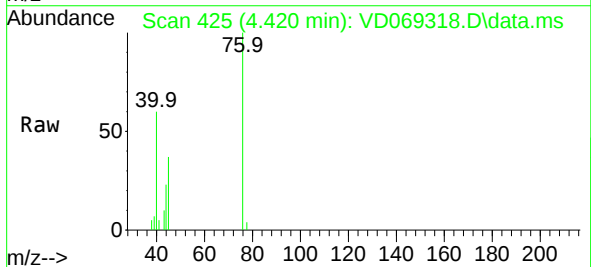
Instrument :
MSVOA_D
ClientSampleId :

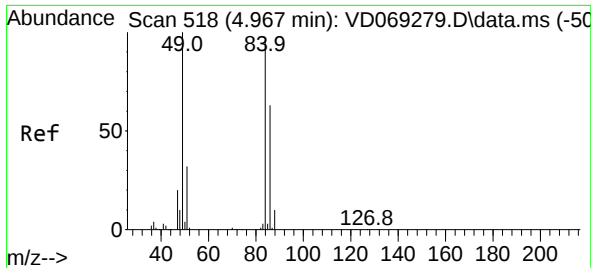
Tgt Ion: 43 Resp: 4965
Ion Ratio Lower Upper
43 100
58 41.1 27.5 41.3



#17
Carbon Disulfide
Concen: 1.22 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.012 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Tgt Ion: 76 Resp: 12132
Ion Ratio Lower Upper
76 100
78 3.6 7.4 11.0#

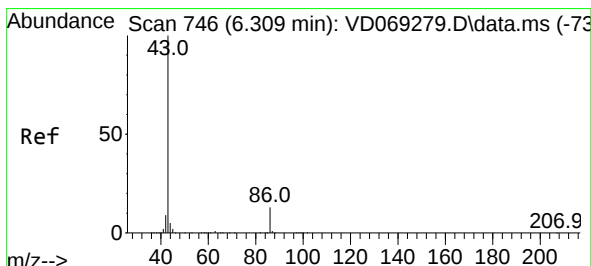
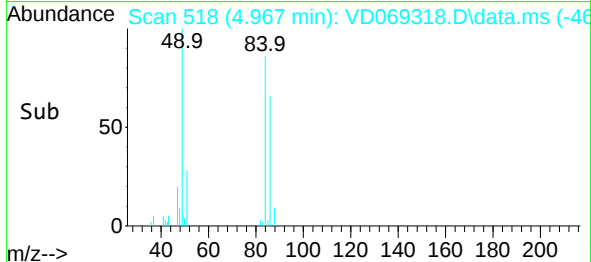
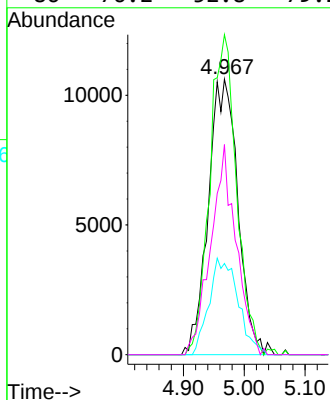
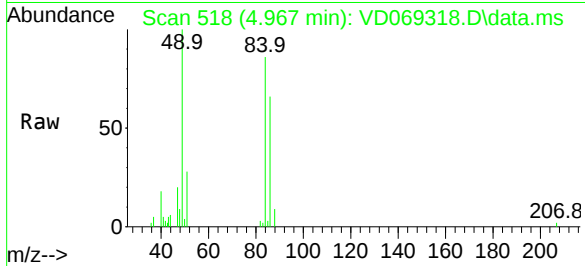




#20
Methylene Chloride
Concen: 3.54 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

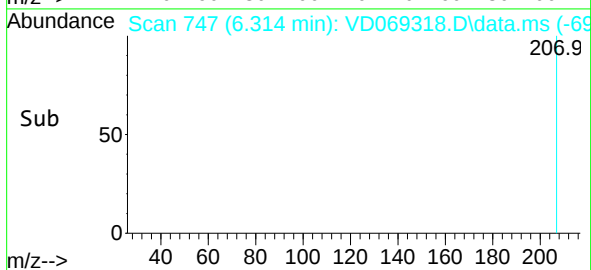
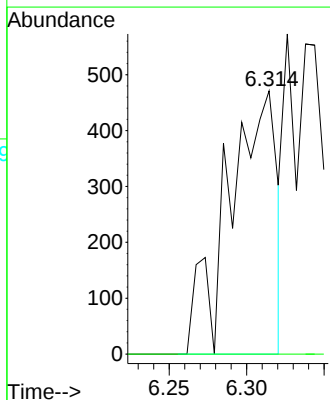
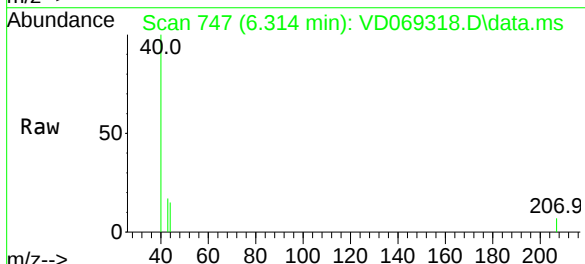
Instrument :
MSVOA_D
ClientSampled :

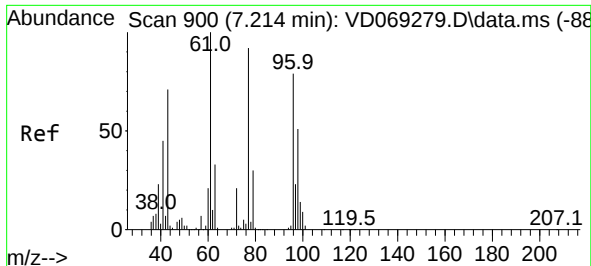
Tgt Ion:	84	Resp:	35996
Ion	Ratio	Lower	Upper
84	100		
49	116.1	83.7	125.5
51	33.1	26.4	39.6
86	76.2	52.8	79.2



#23
Vinyl Acetate
Concen: 11.83 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

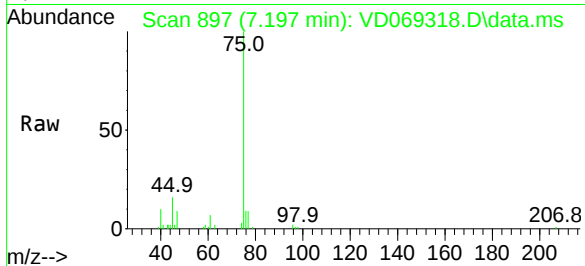
Tgt Ion:	43	Resp:	1021
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.5	15.7#



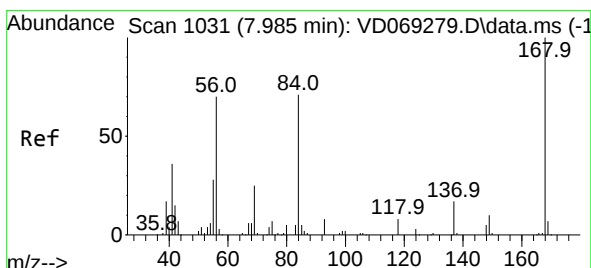
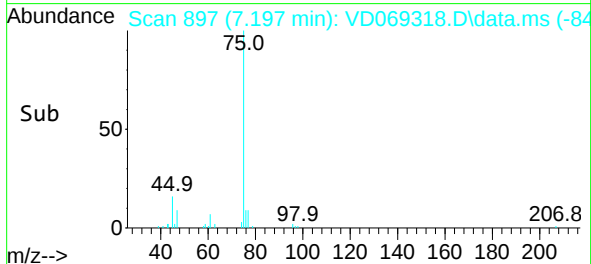
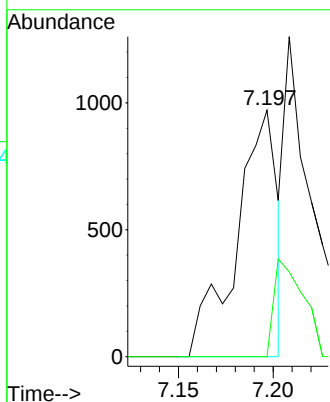


#25
2-Butanone
Concen: 2.21 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Instrument :
MSVOA_D
ClientSampled :

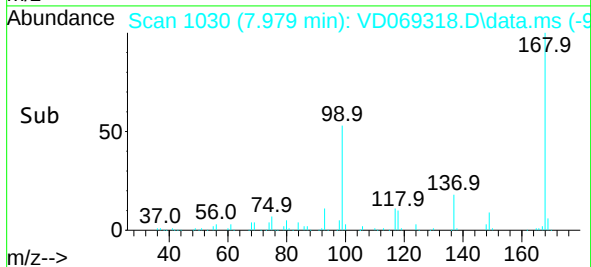
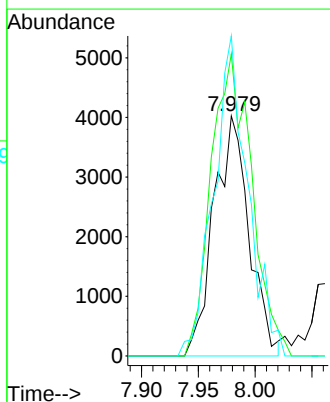
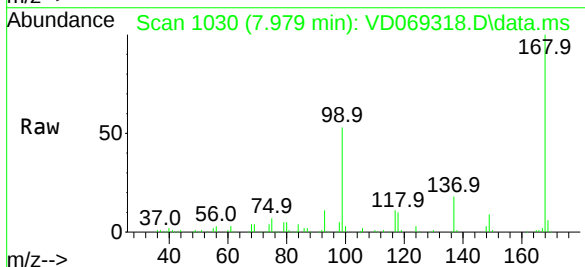


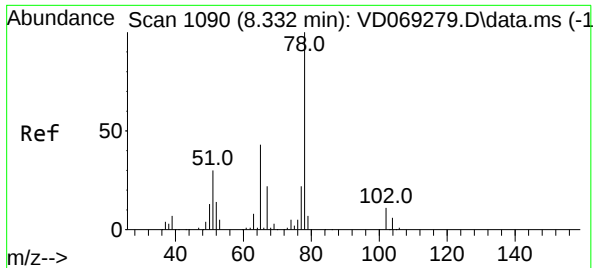
Tgt Ion: 43 Resp: 1456
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#31
Cyclohexane
Concen: 1.90 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Tgt Ion: 56 Resp: 8675
Ion Ratio Lower Upper
56 100
69 125.9 29.0 43.4#
84 133.4 81.1 121.7#

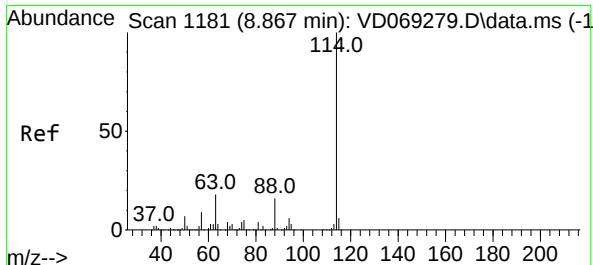
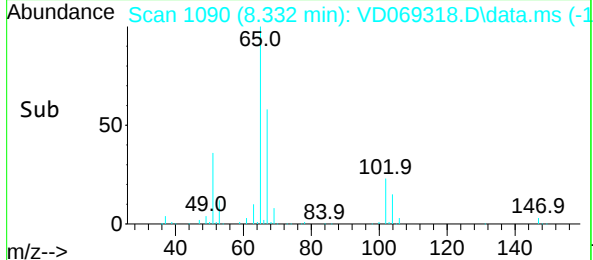
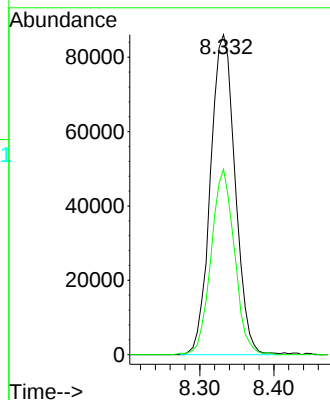
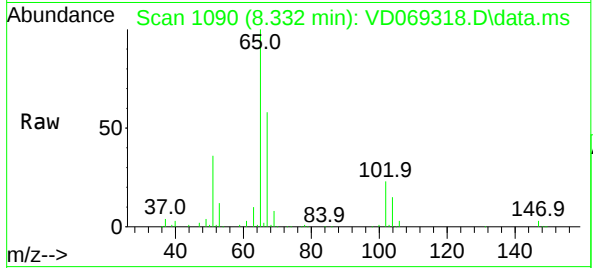




#33
1,2-Dichloroethane-d4
Concen: 69.30 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

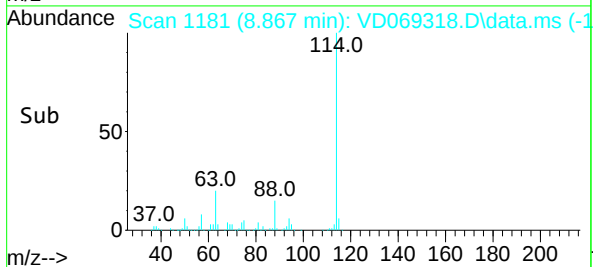
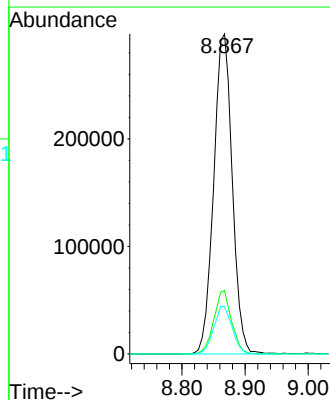
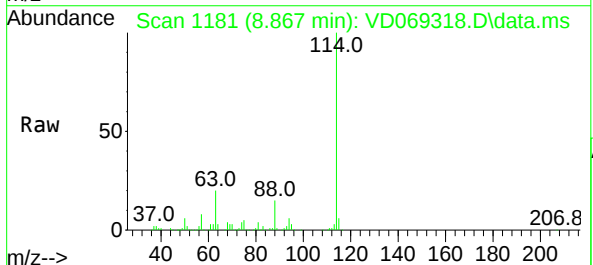
Instrument :
MSVOA_D
ClientSampleId :

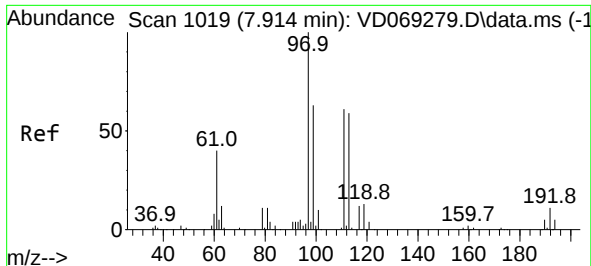
Tgt Ion: 65 Resp: 198842
Ion Ratio Lower Upper
65 100
67 54.9 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Tgt Ion: 114 Resp: 607871
Ion Ratio Lower Upper
114 100
63 19.8 0.0 35.6
88 14.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 56.53 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069318.D

Acq: 03 Jun 2021 11:54

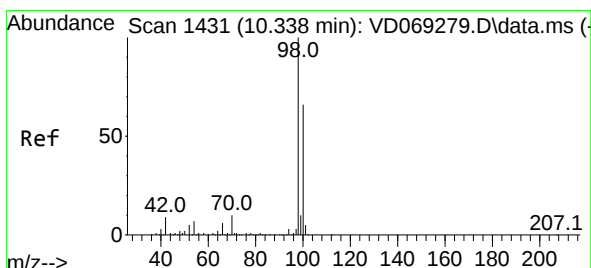
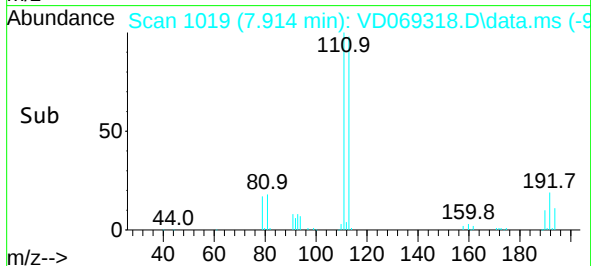
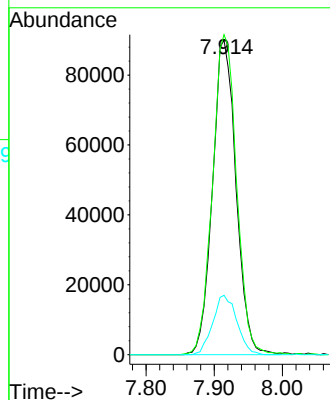
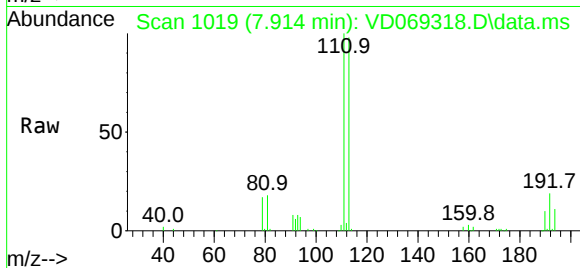
Tgt Ion:113 Resp: 215779

Ion Ratio Lower Upper

113 100

111 104.4 83.0 124.6

192 19.4 15.1 22.7



#50

Toluene-d8

Concen: 56.54 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.000 min

Lab File: VD069318.D

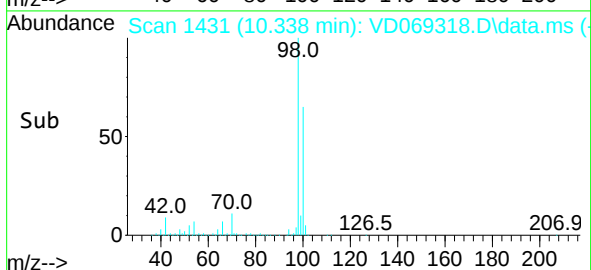
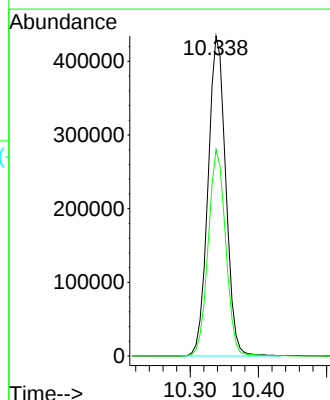
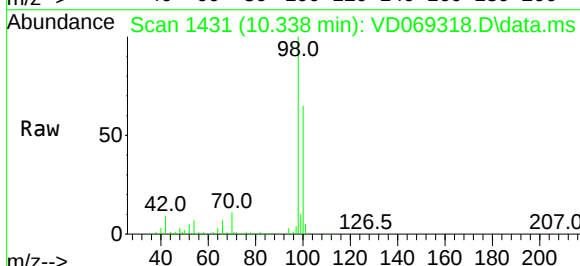
Acq: 03 Jun 2021 11:54

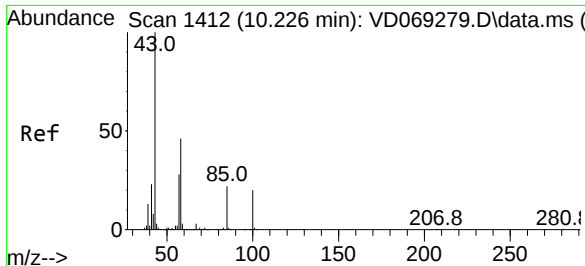
Tgt Ion: 98 Resp: 784804

Ion Ratio Lower Upper

98 100

100 63.6 52.1 78.1

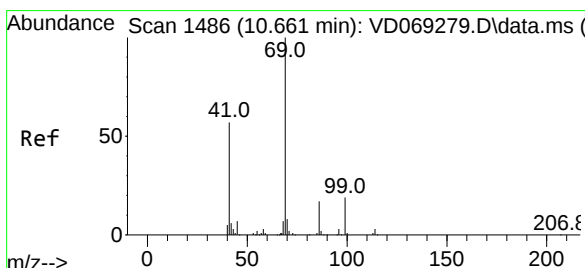
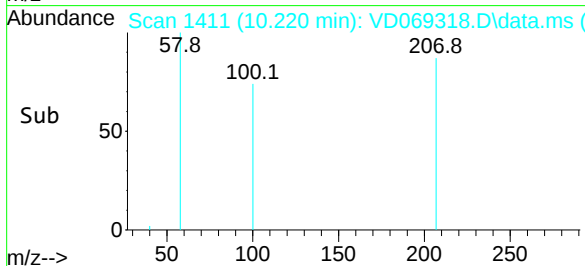
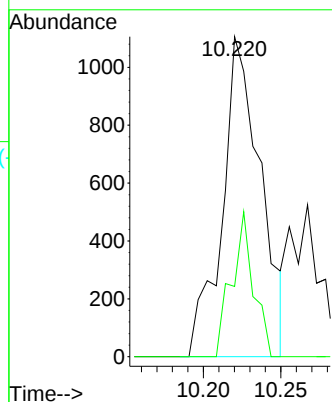
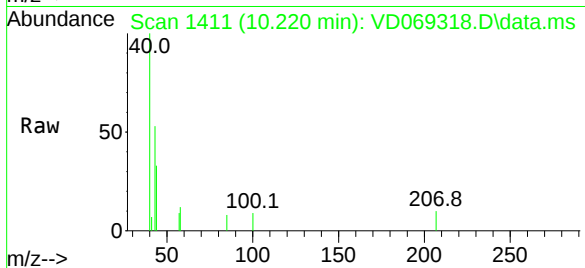




#51
4-Methyl-2-Pentanone
Concen: 1.01 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

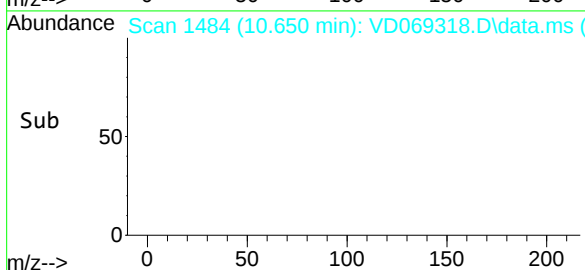
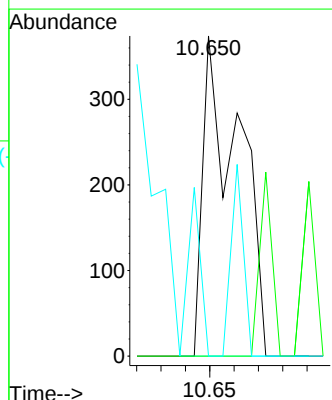
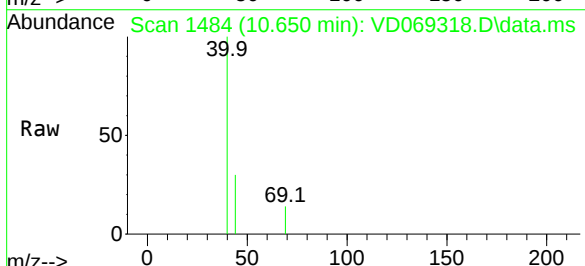
Instrument :
MSVOA_D
ClientSampled :

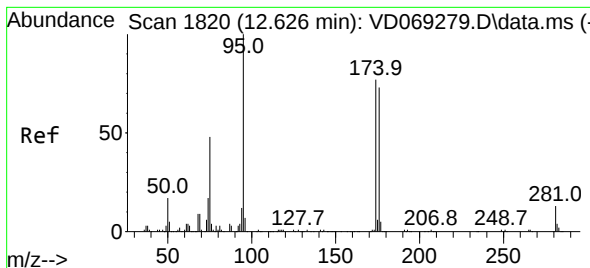
Tgt Ion: 43 Resp: 1901
Ion Ratio Lower Upper
43 100
58 25.7 35.1 52.7#



#56
Ethyl methacrylate
Concen: 2.74 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.011 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Tgt Ion: 69 Resp: 382
Ion Ratio Lower Upper
69 100
41 0.0 45.4 68.2#
39 0.0 21.7 32.5#

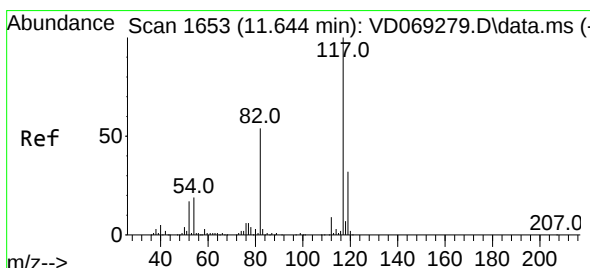
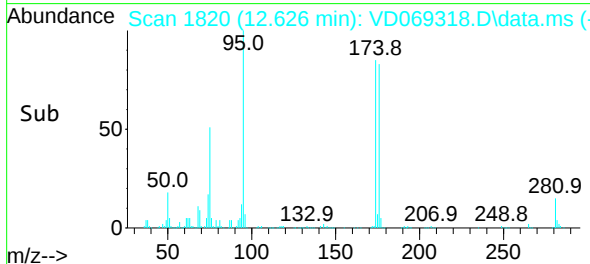
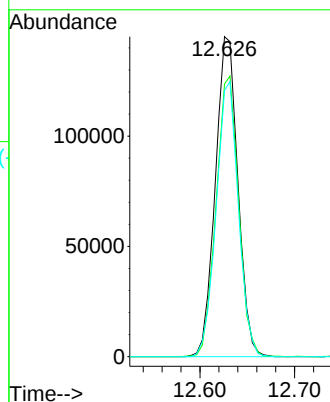
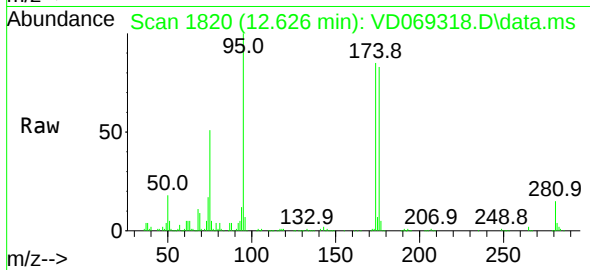




#62
4-Bromofluorobenzene
Concen: 52.90 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

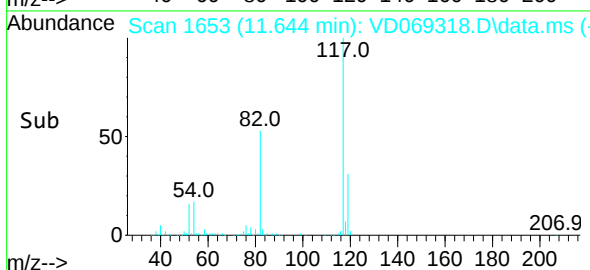
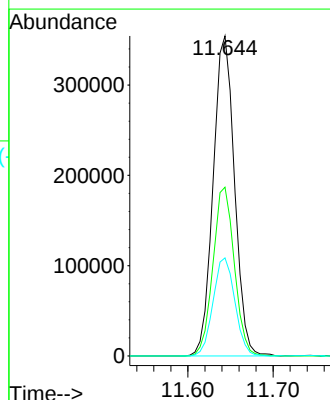
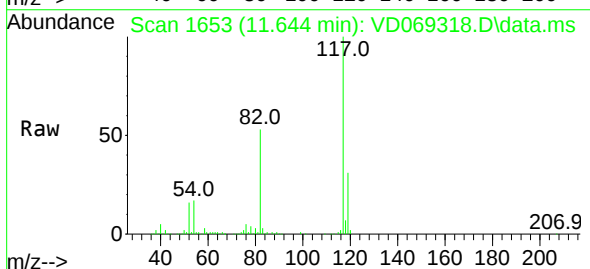
Instrument :
MSVOA_D
ClientSampleId :

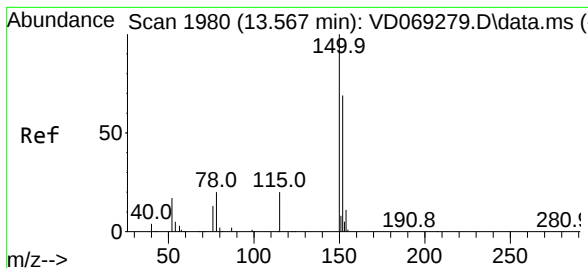
Tgt Ion: 95 Resp: 240612
Ion Ratio Lower Upper
95 100
174 87.2 0.0 162.8
176 84.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

Tgt Ion: 117 Resp: 616596
Ion Ratio Lower Upper
117 100
82 52.8 43.3 64.9
119 30.7 25.3 37.9

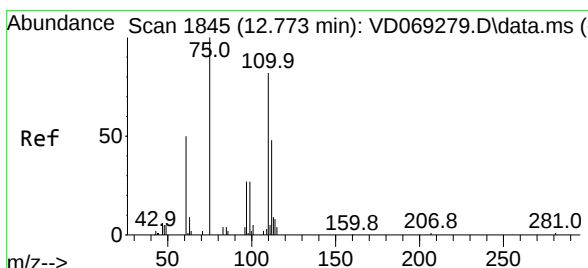
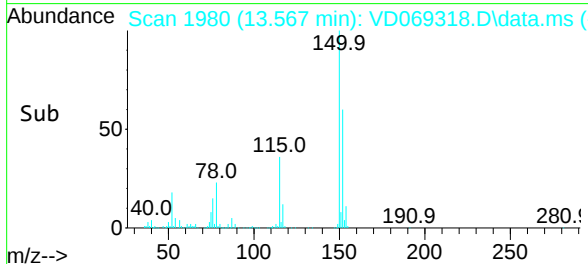
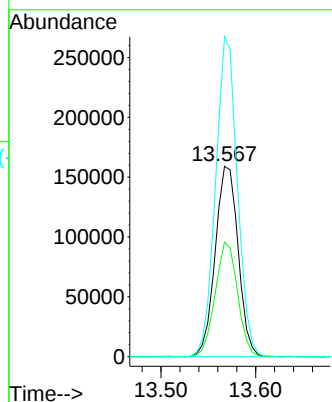
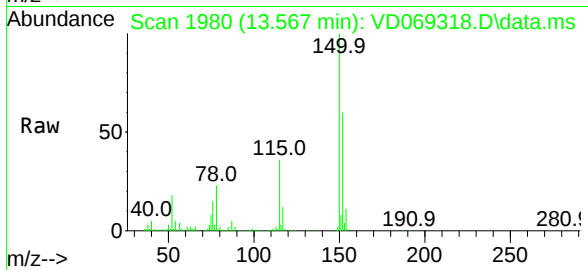




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

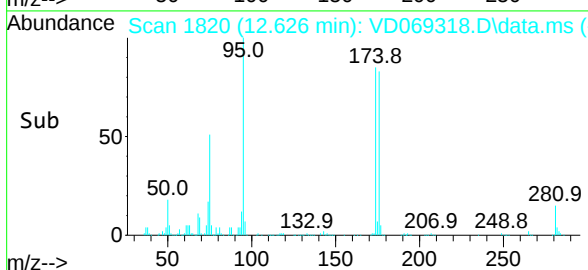
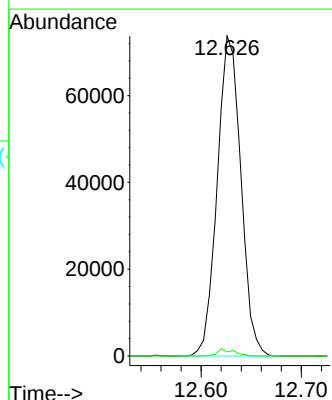
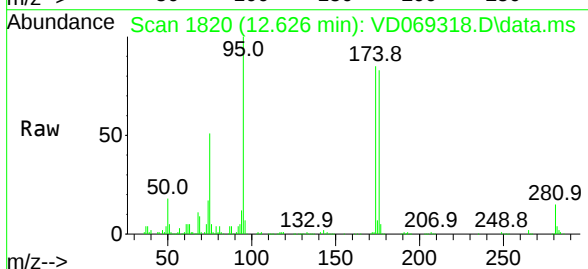
Instrument :
MSVOA_D
ClientSampleId :

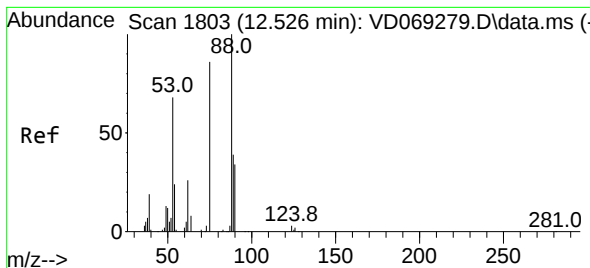
Tgt Ion:152 Resp: 267823
Ion Ratio Lower Upper
152 100
115 58.9 29.4 88.3
150 159.7 0.0 355.0



#76
1,2,3-Trichloropropane
Concen: 51.91 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

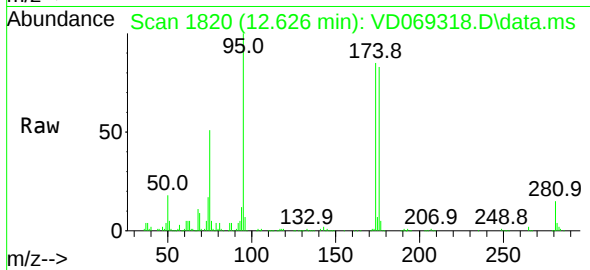
Tgt Ion: 75 Resp: 120790
Ion Ratio Lower Upper
75 100
77 1.5 183.8 551.2#



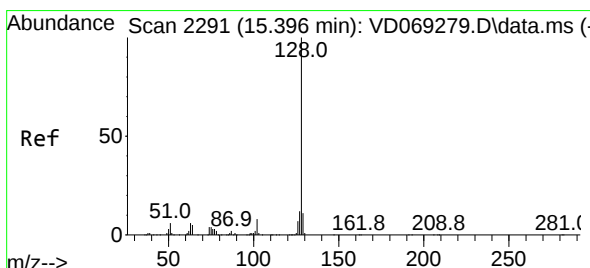
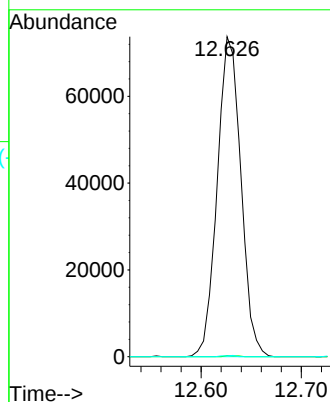
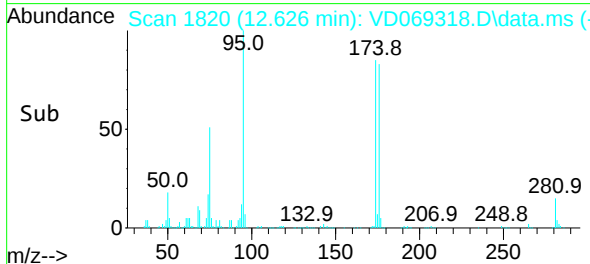


#81
trans-1,4-Dichloro-2-butene
Concen: 115.03 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54

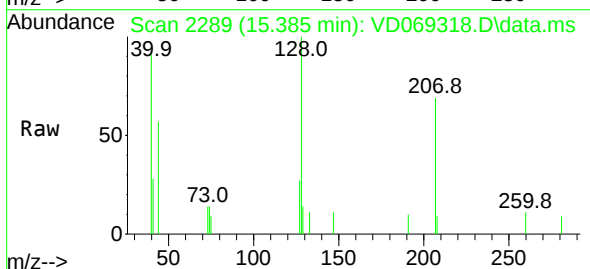
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 120790
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.2 35.6 53.4#



#95
Naphthalene
Concen: 3.75 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.011 min
Lab File: VD069318.D
Acq: 03 Jun 2021 11:54



Tgt Ion: 128 Resp: 4380
Ion Ratio Lower Upper
128 100
127 14.2 10.4 15.6
129 8.3 8.8 13.2#

