

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069286.D
 Acq On : 01 Jun 2021 16:32
 Operator : VA/SY
 Sample : M2547-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 02 02:48:22 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)

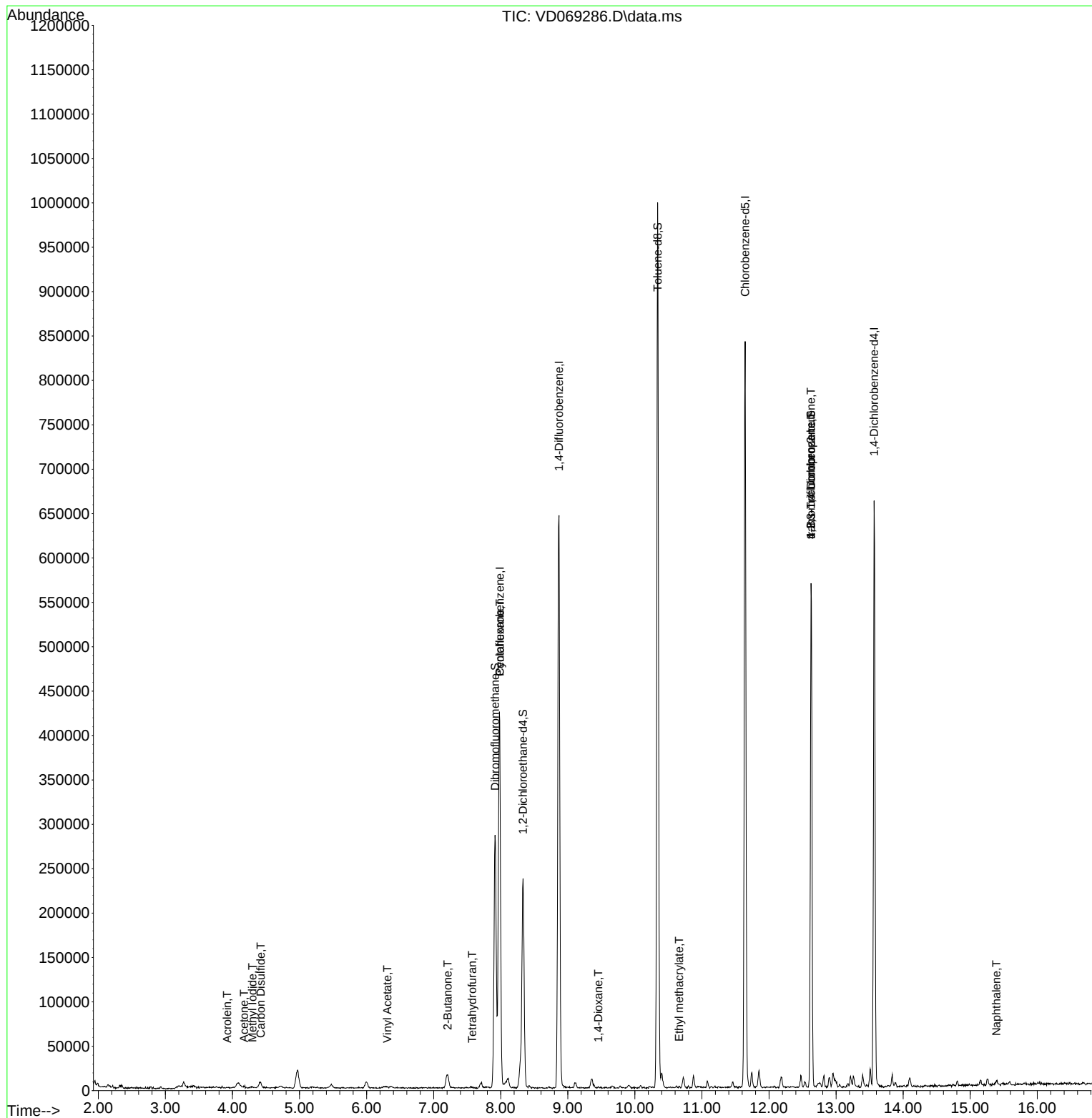
Internal Standards						
1) Pentafluorobenzene	7.985	168	314292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	593876	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	515981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	180884	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	184675	61.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.48%			
35) Dibromofluoromethane	7.914	113	205652	55.14	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.28%			
50) Toluene-d8	10.338	98	698722	51.52	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.04%			
62) 4-Bromofluorobenzene	12.626	95	188576	42.44	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.88%			
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	1609	2.94	ug/l #	57
11) Tert butyl alcohol	5.214	59	453	Below Cal	#	73
13) Acrolein	3.920	56	60	17.42	ug/l #	16
16) Acetone	4.173	43	2753	5.23	ug/l	90
17) Carbon Disulfide	4.420	76	13486	1.29	ug/l	99
20) Methylene Chloride	4.979	84	17180	Below Cal	#	77
23) Vinyl Acetate	6.309	43	1768	11.97	ug/l #	67
25) 2-Butanone	7.208	43	1393	2.01	ug/l #	45
29) Tetrahydrofuran	7.573	42	626	1.57	ug/l #	49
31) Cyclohexane	7.985	56	9491	1.98	ug/l #	36
49) 1,4-Dioxane	9.455	88	61	2.72	ug/l #	27
56) Ethyl methacrylate	10.661	69	595	2.79	ug/l #	67
76) 1,2,3-Trichloropropane	12.626	75	94891	60.38	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	94891	133.80	ug/l #	18
95) Naphthalene	15.390	128	4720	4.02	ug/l #	89

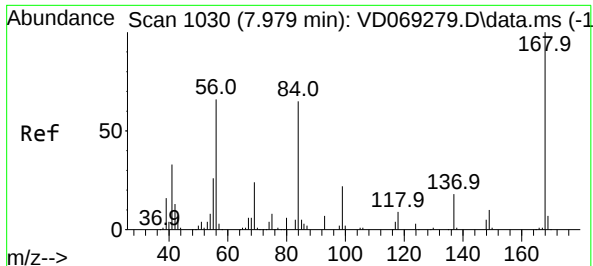
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 02 02:48:22 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

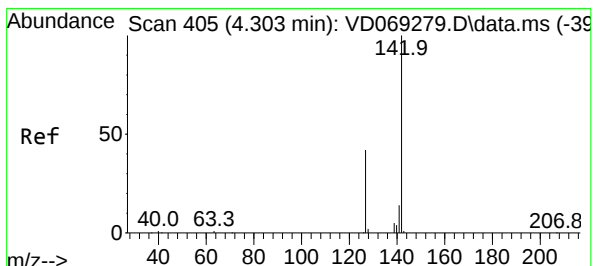
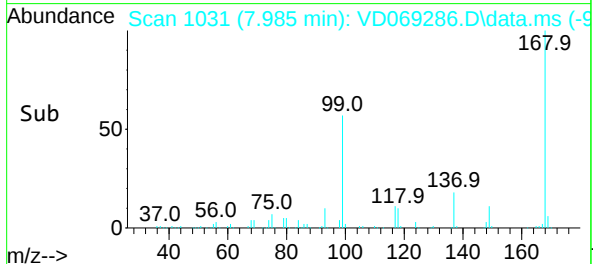
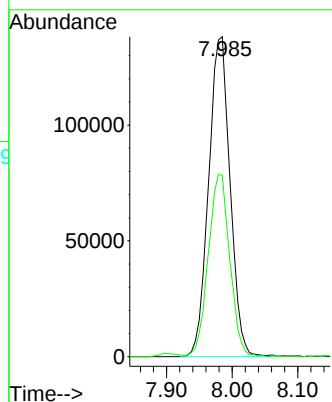
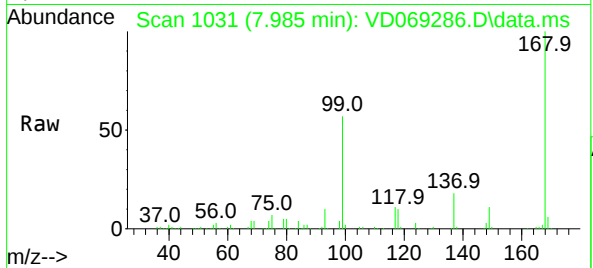




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

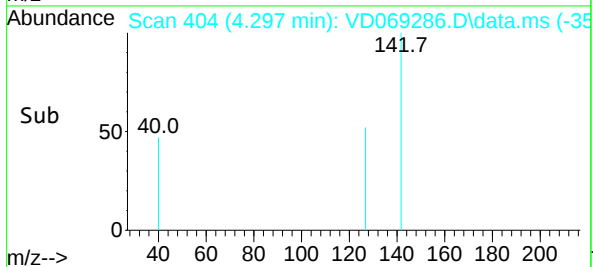
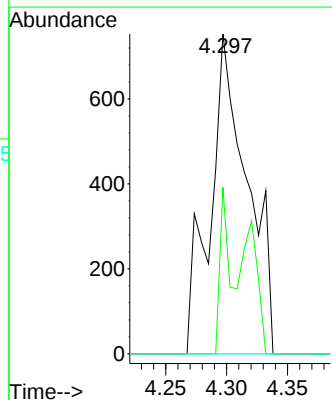
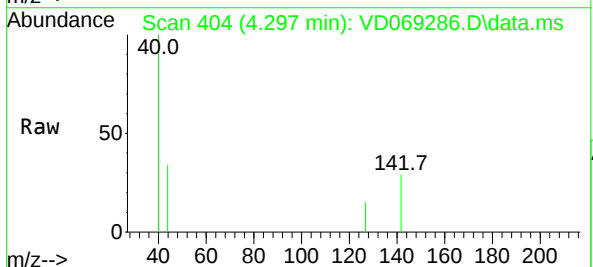
Instrument :
MSVOA_D
ClientSampled :

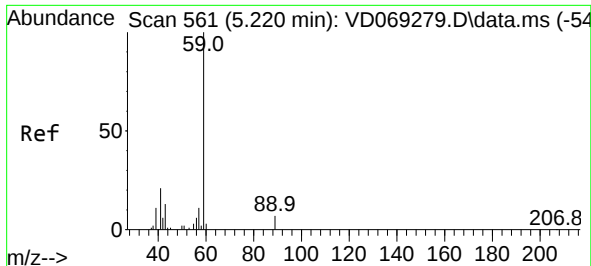
Tgt Ion:168 Resp: 314292
Ion Ratio Lower Upper
168 100
99 56.6 46.2 69.2



#10
Methyl Iodide
Concen: 2.94 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Tgt Ion:142 Resp: 1609
Ion Ratio Lower Upper
142 100
127 15.4 36.2 54.2#
141 0.0 12.2 18.2#



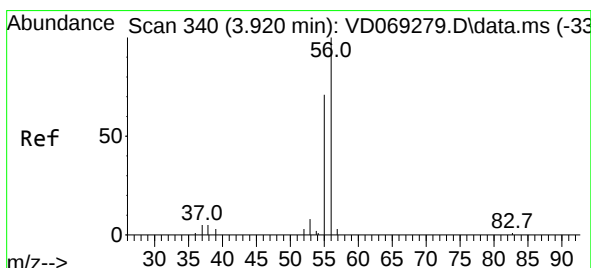
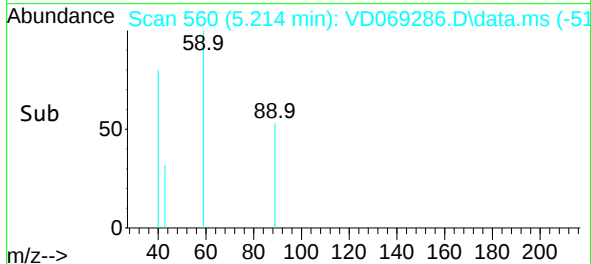
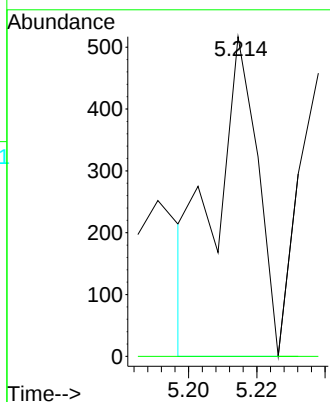
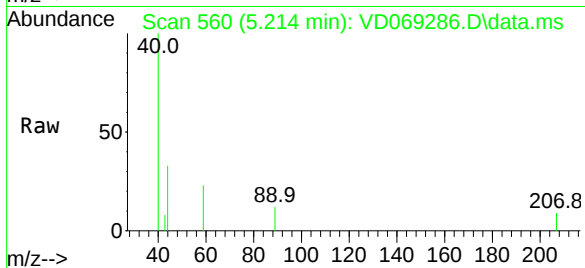


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Instrument :
MSVOA_D
ClientSampled :

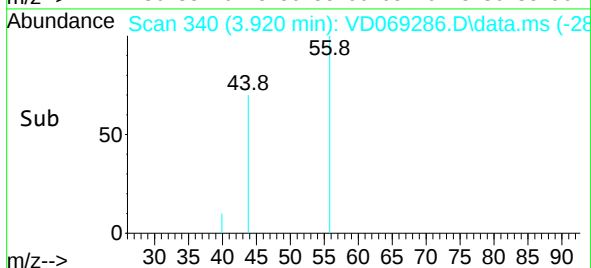
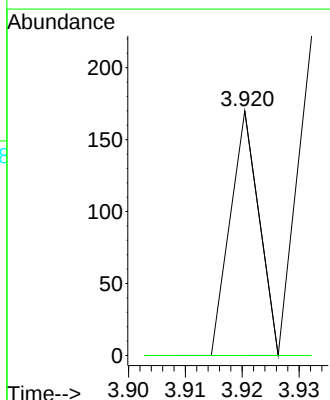
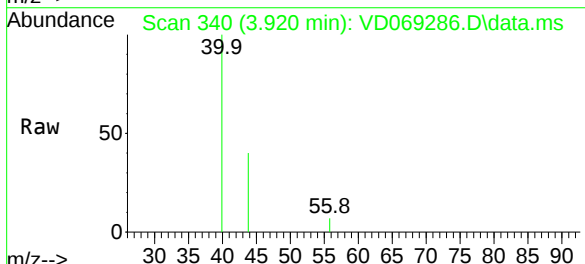
Tgt Ion: 59 Resp: 453
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

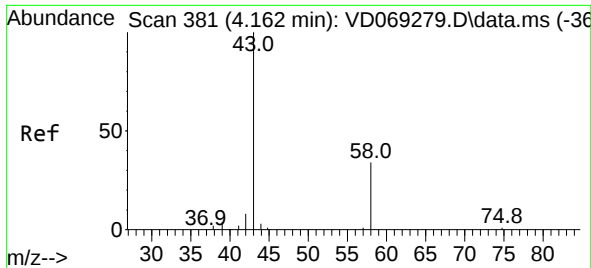


#13

Acrolein
Concen: 17.42 ug/l
RT: 3.920 min Scan# 340
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#

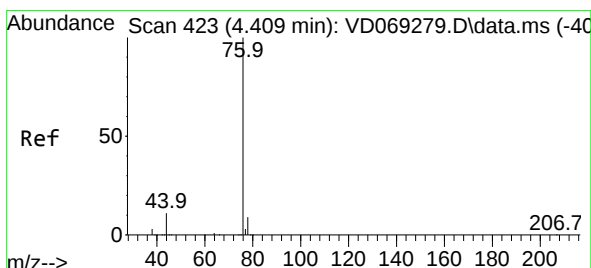
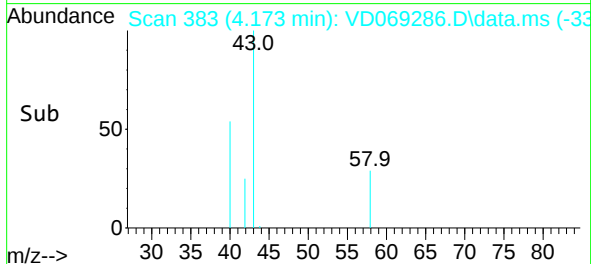
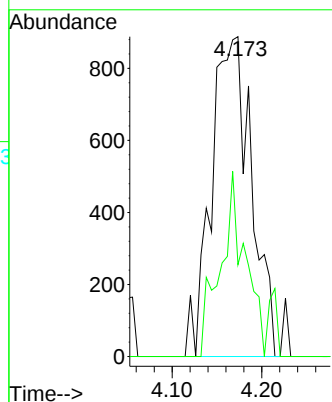
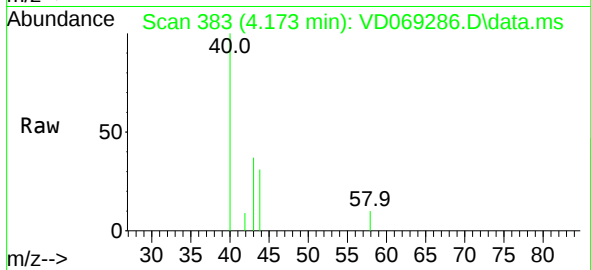




#16
Acetone
Concen: 5.23 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

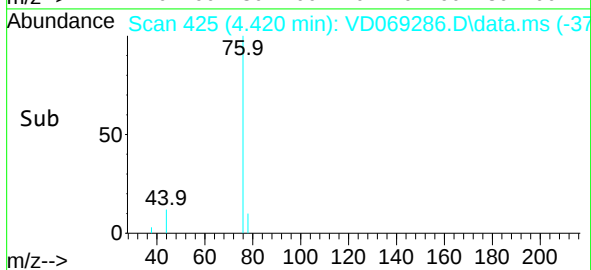
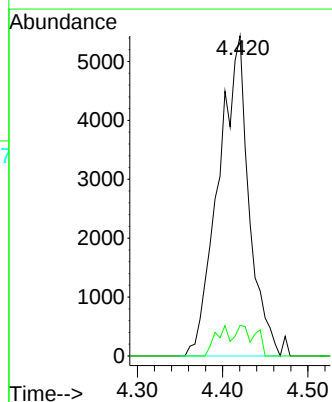
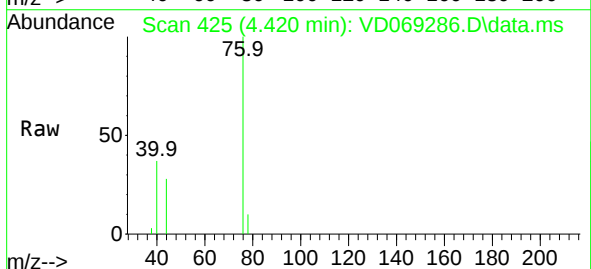
Instrument :
MSVOA_D
ClientSampleId :

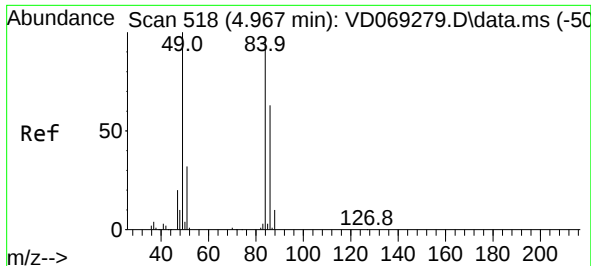
Tgt Ion: 43 Resp: 2753
Ion Ratio Lower Upper
43 100
58 28.7 27.5 41.3



#17
Carbon Disulfide
Concen: 1.29 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.012 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

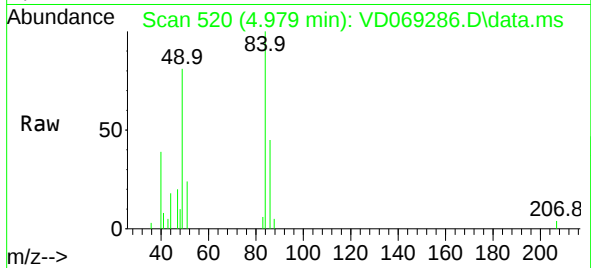
Tgt Ion: 76 Resp: 13486
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



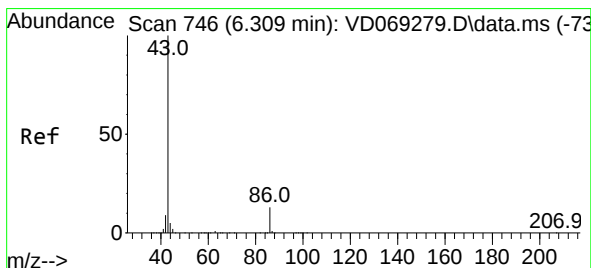
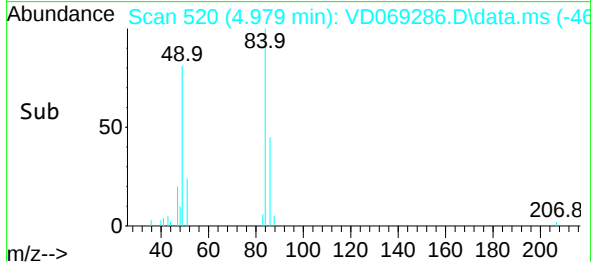
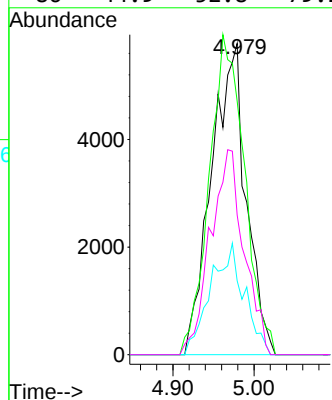


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.012 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Instrument :
MSVOA_D
ClientSampled :

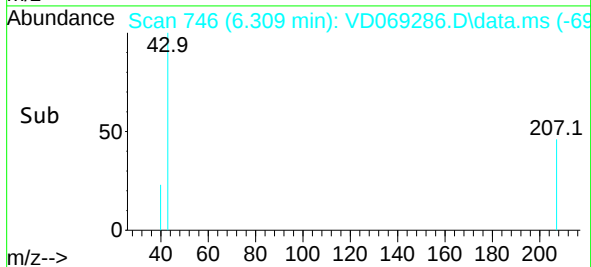
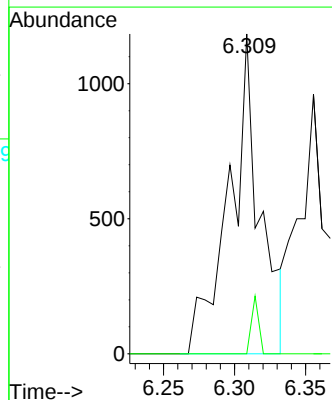
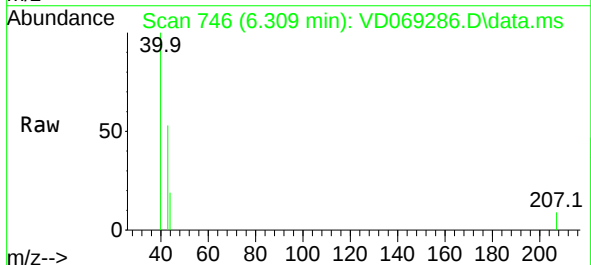


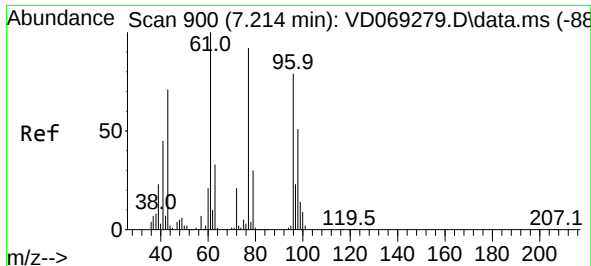
Tgt Ion: 84 Resp: 17180
Ion Ratio Lower Upper
84 100
49 81.5 83.7 125.5#
51 23.8 26.4 39.6#
86 44.9 52.8 79.2#



#23
Vinyl Acetate
Concen: 11.97 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

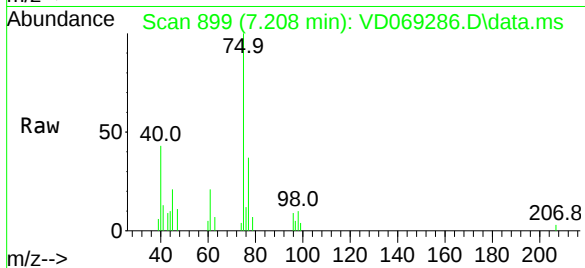
Tgt Ion: 43 Resp: 1768
Ion Ratio Lower Upper
43 100
86 0.0 10.5 15.7#



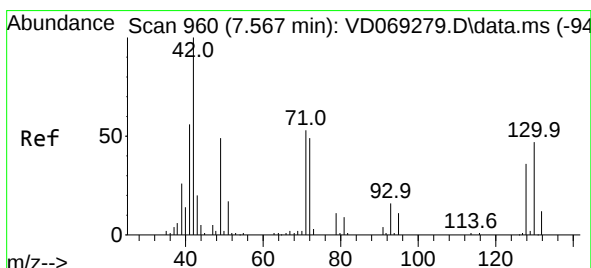
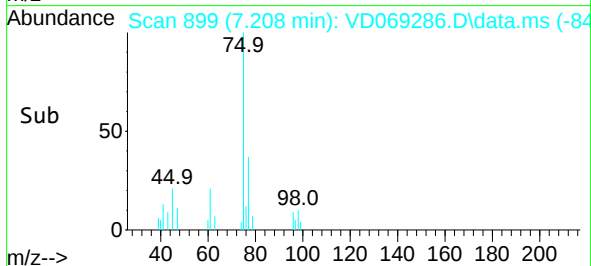
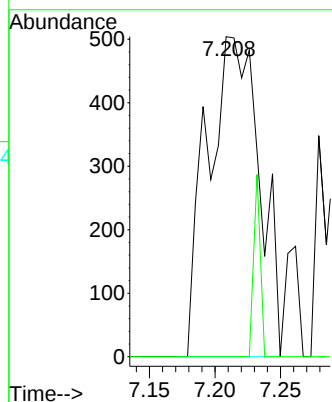


#25
2-Butanone
Concen: 2.01 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Instrument :
MSVOA_D
ClientSampled :

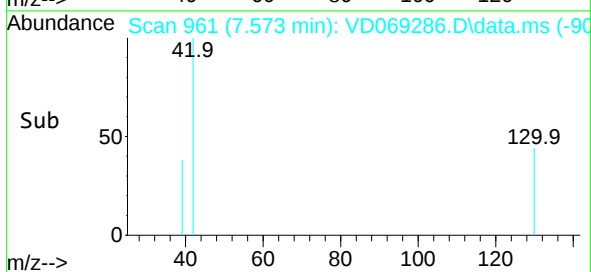
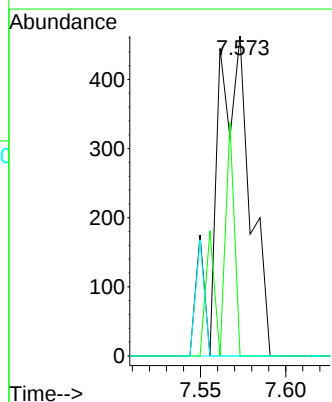
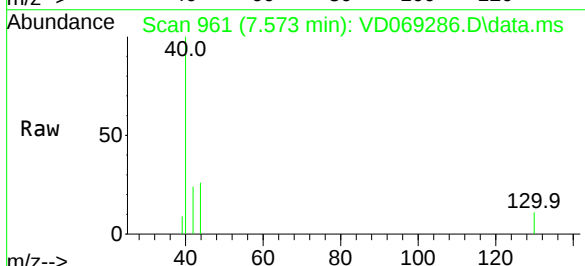


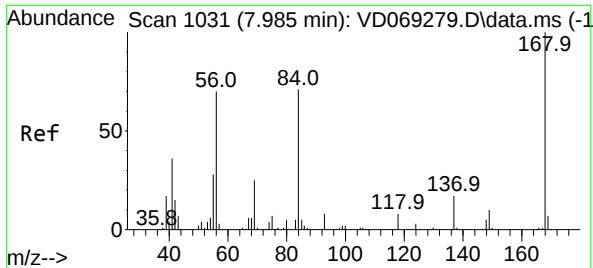
Tgt Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
72 0.0 23.9 35.9#



#29
Tetrahydrofuran
Concen: 1.57 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.006 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

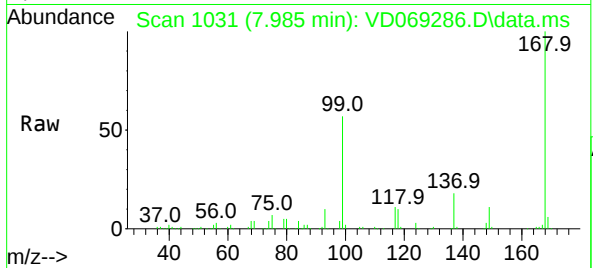
Tgt Ion: 42 Resp: 626
Ion Ratio Lower Upper
42 100
72 29.2 41.0 61.6#
71 0.0 38.9 58.3#



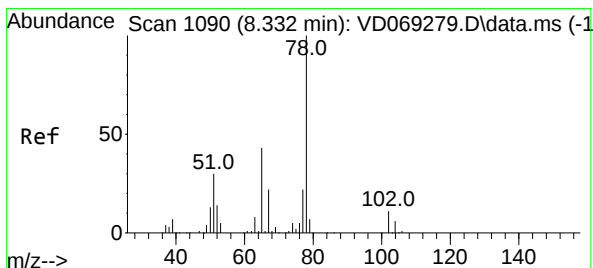
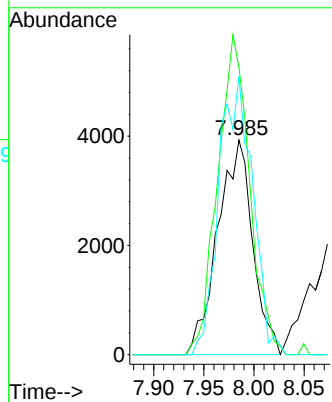
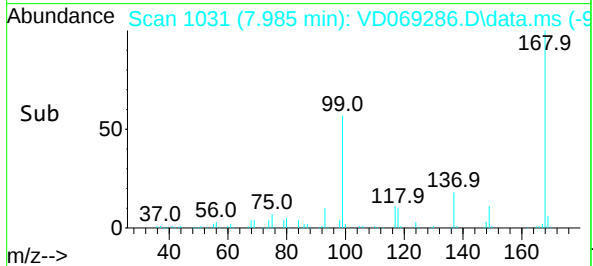


#31
Cyclohexane
Concen: 1.98 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

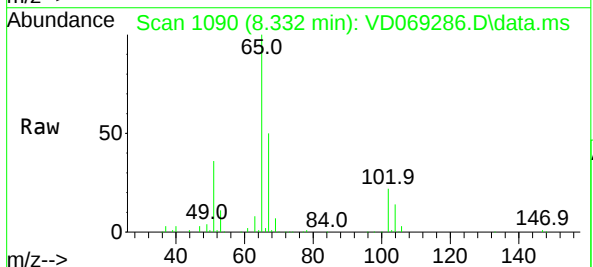
Instrument :
MSVOA_D
ClientSampleId :



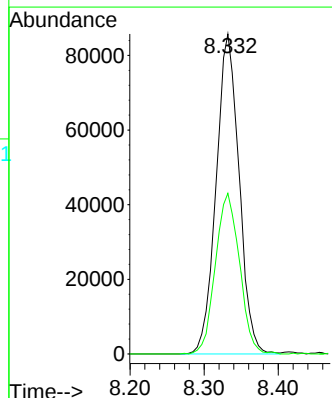
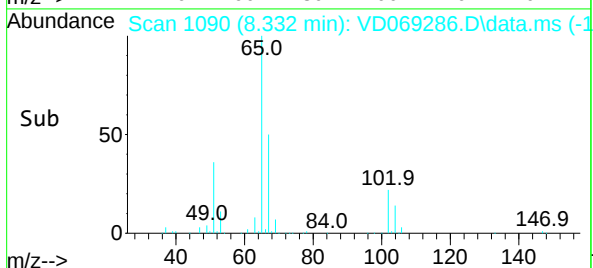
Tgt Ion: 56 Resp: 9491
Ion Ratio Lower Upper
56 100
69 134.0 29.0 43.4#
84 129.6 81.1 121.7#

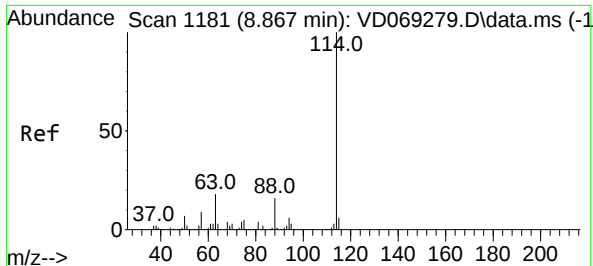


#33
1,2-Dichloroethane-d4
Concen: 61.24 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32



Tgt Ion: 65 Resp: 184675
Ion Ratio Lower Upper
65 100
67 52.7 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: VD069286.D

Acq: 01 Jun 2021 16:32

Tgt Ion:114 Resp: 593876

Ion Ratio Lower Upper

114 100

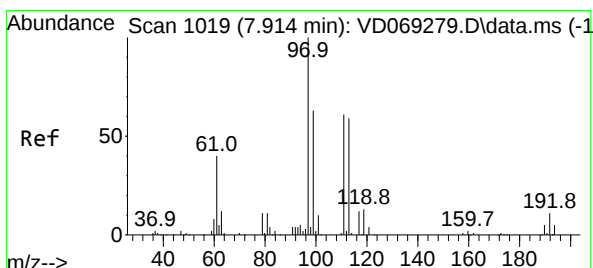
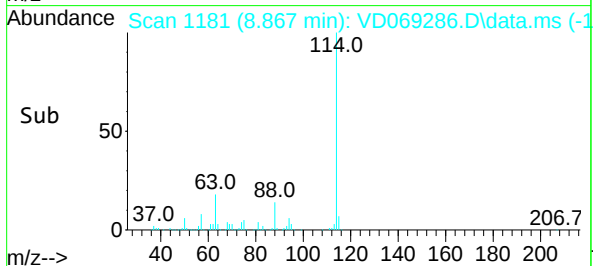
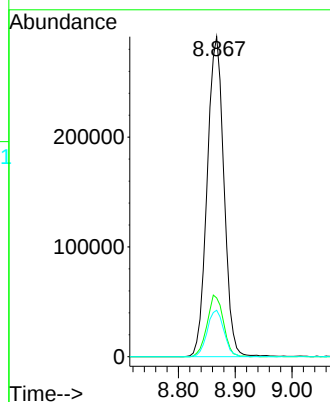
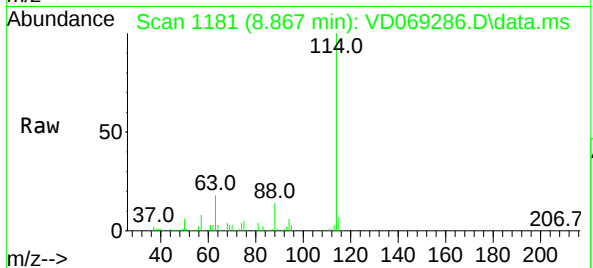
63 18.3 0.0 35.6

88 14.5 0.0 31.2

Instrument :

MSVOA_D

ClientSampled :



#35

Dibromofluoromethane

Concen: 55.14 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069286.D

Acq: 01 Jun 2021 16:32

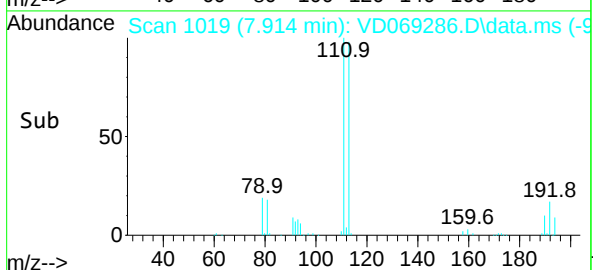
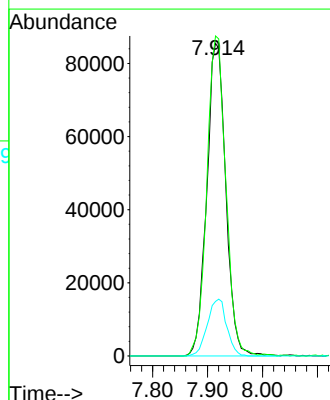
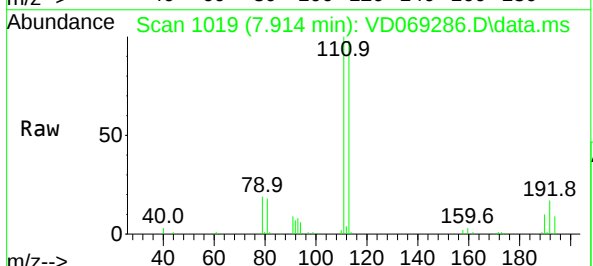
Tgt Ion:113 Resp: 205652

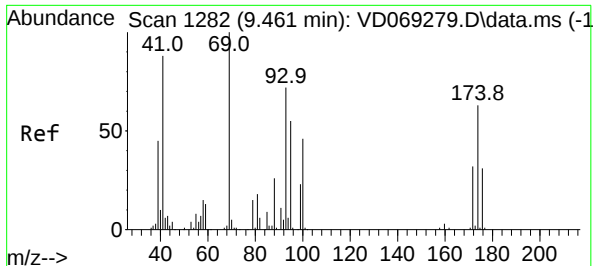
Ion Ratio Lower Upper

113 100

111 101.7 83.0 124.6

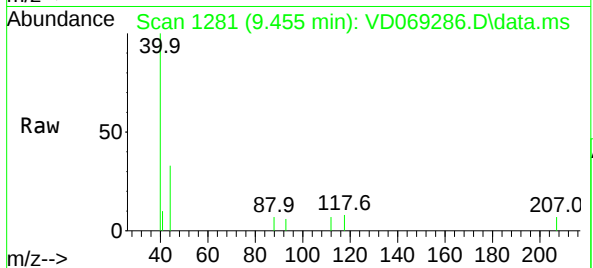
192 18.4 15.1 22.7



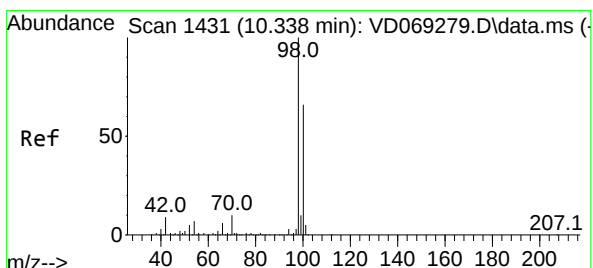
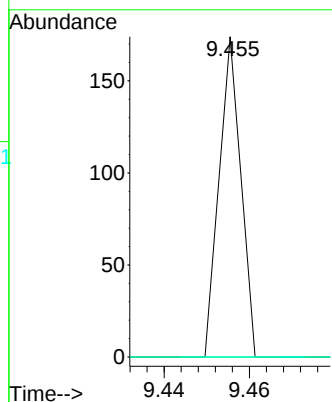
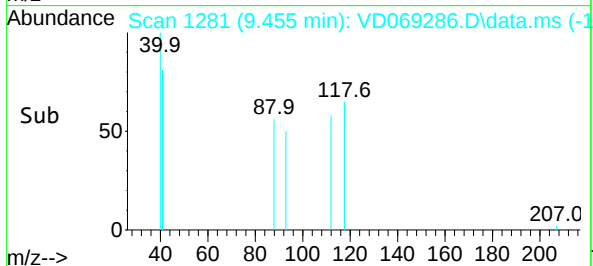


#49
1,4-Dioxane
Concen: 2.72 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. -0.006 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

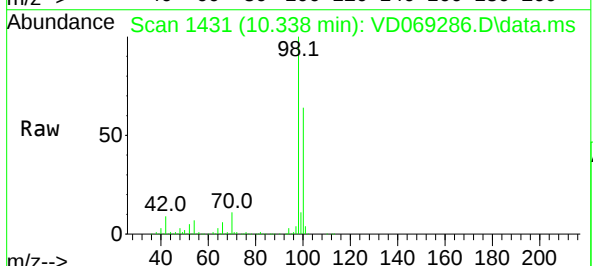
Instrument :
MSVOA_D
ClientSampled :



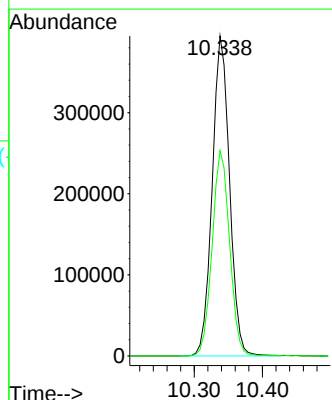
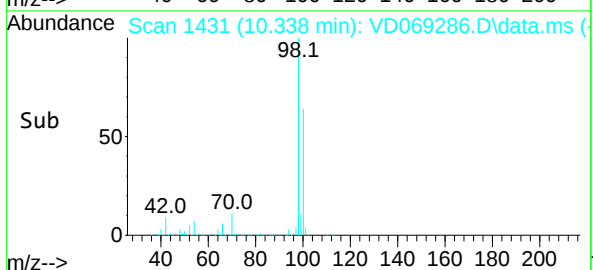
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 50.2 75.4#

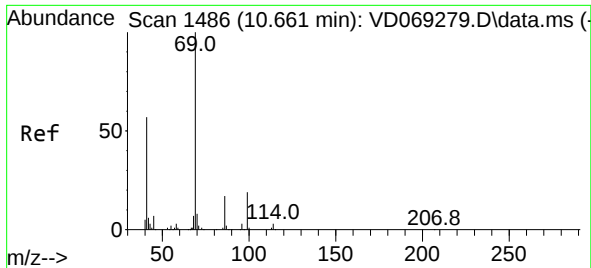


#50
Toluene-d8
Concen: 51.52 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32



Tgt Ion: 98 Resp: 698722
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

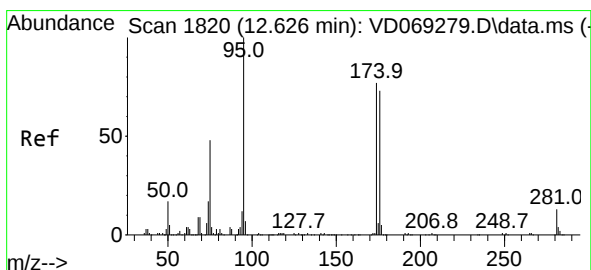
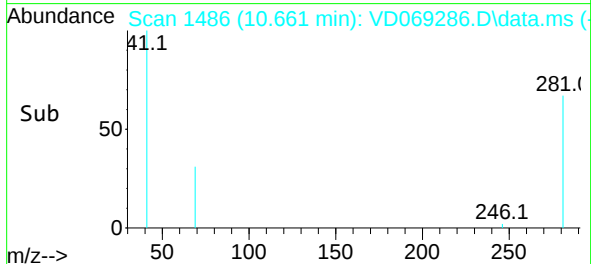
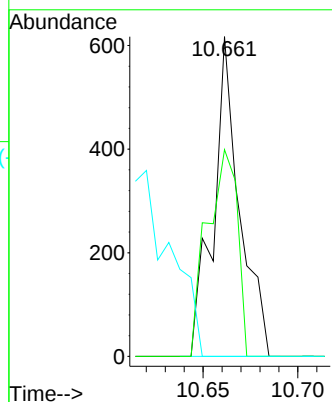
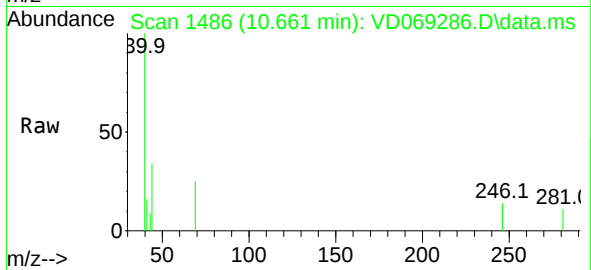




#56
Ethyl methacrylate
Concen: 2.79 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

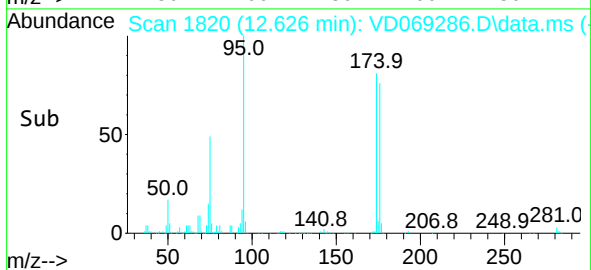
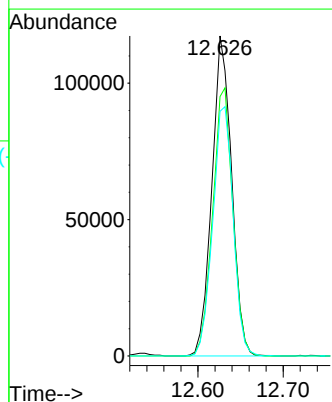
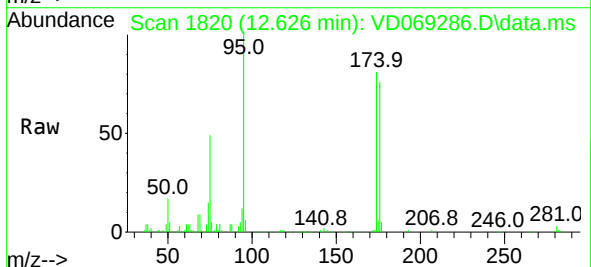
Instrument :
MSVOA_D
ClientSampled :

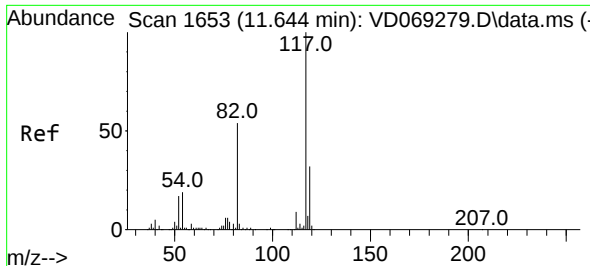
Tgt Ion:	69	Resp:	595
Ion	Ratio	Lower	Upper
69	100		
41	74.1	45.4	68.2#
39	0.0	21.7	32.5#



#62
4-Bromofluorobenzene
Concen: 42.44 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Tgt Ion:	95	Resp:	188576
Ion	Ratio	Lower	Upper
95	100		
174	85.5	0.0	162.8
176	80.9	0.0	154.4

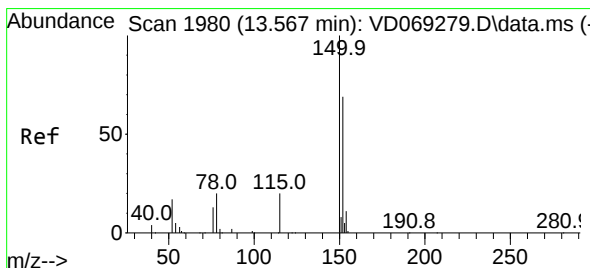
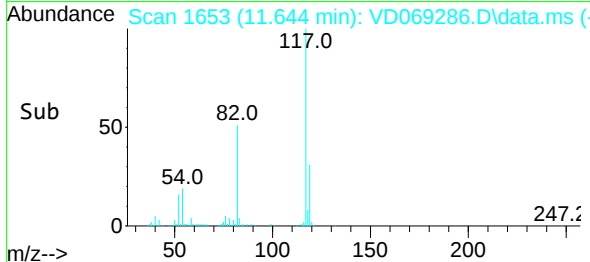
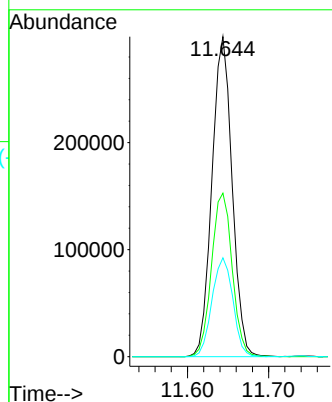
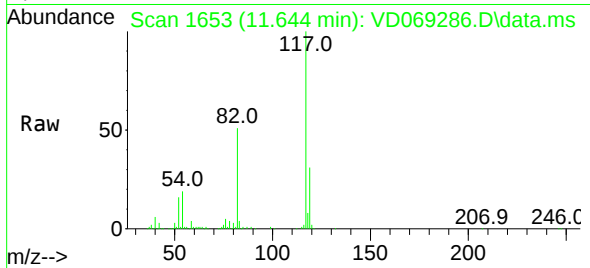




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

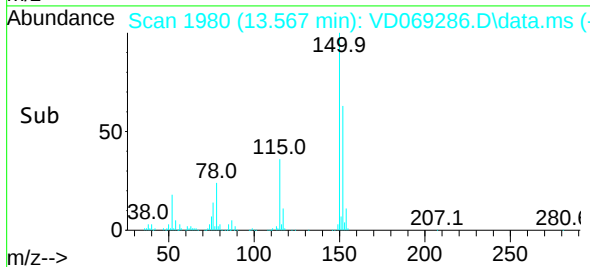
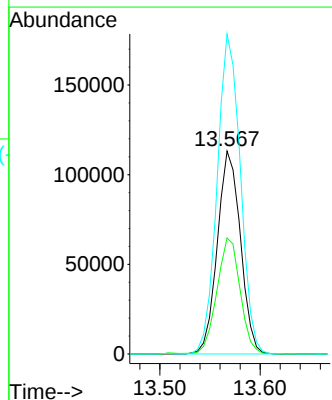
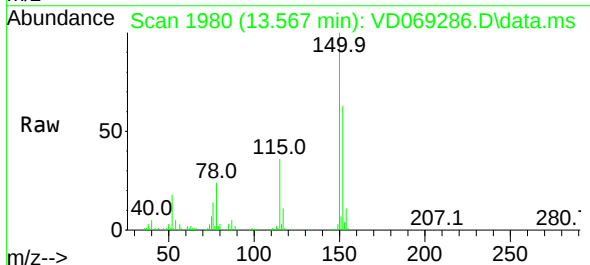
Instrument :
MSVOA_D
ClientSampleId :

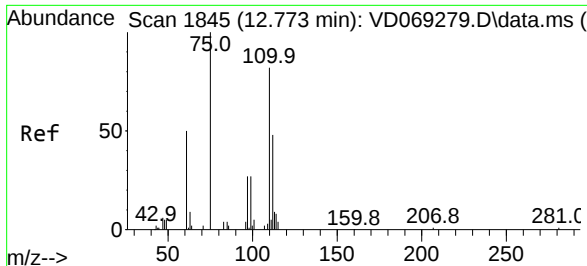
Tgt Ion:117 Resp: 515981
Ion Ratio Lower Upper
117 100
82 51.1 43.3 64.9
119 30.9 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Tgt Ion:152 Resp: 180884
Ion Ratio Lower Upper
152 100
115 57.5 29.4 88.3
150 158.4 0.0 355.0

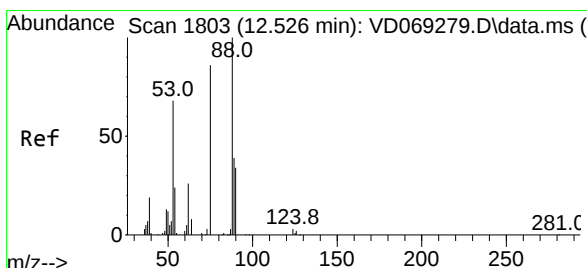
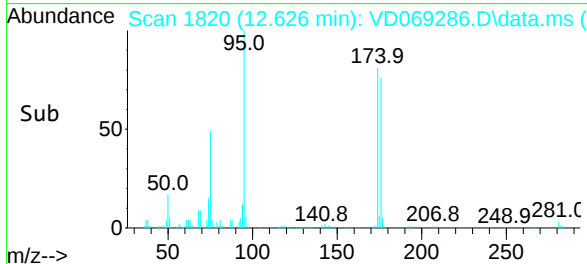
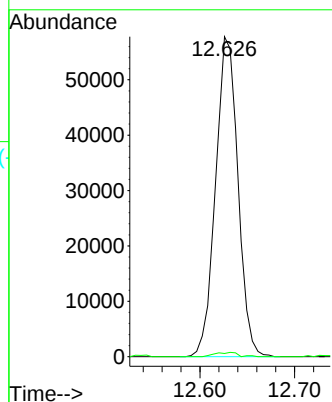
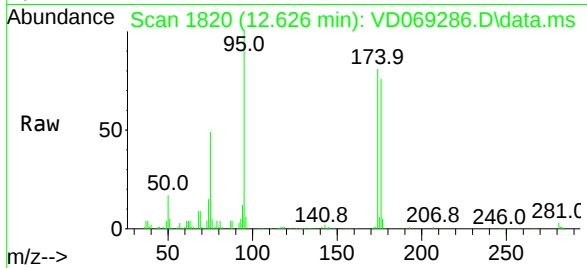




#76
1,2,3-Trichloropropane
Concen: 60.38 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

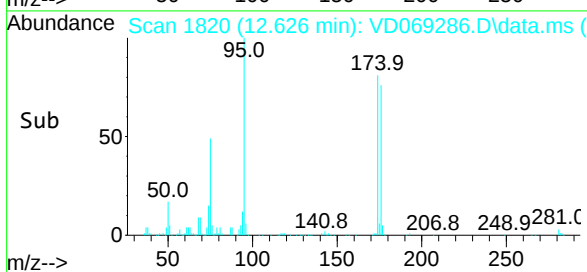
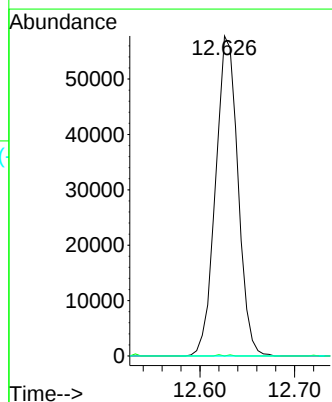
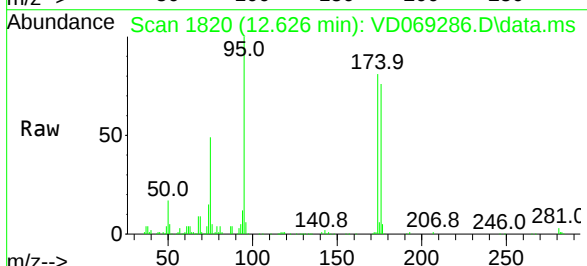
Instrument :
MSVOA_D
ClientSampled :

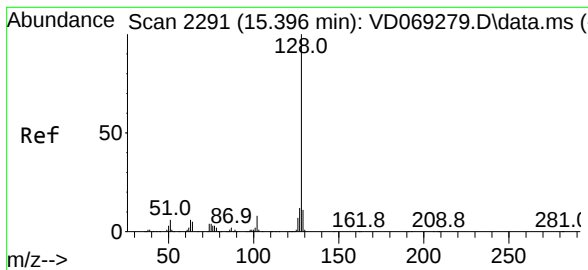
Tgt Ion: 75 Resp: 94891
Ion Ratio Lower Upper
75 100
77 1.4 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.80 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

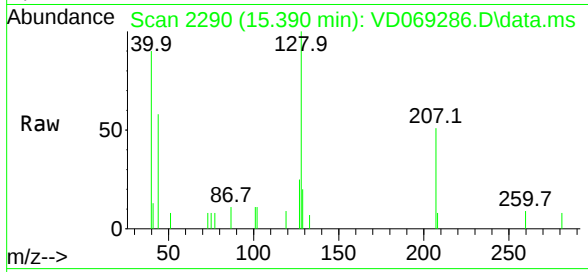
Tgt Ion: 75 Resp: 94891
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 4.02 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069286.D
Acq: 01 Jun 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:128 Resp: 4720
Ion Ratio Lower Upper
128 100
127 16.5 10.4 15.6#
129 5.7 8.8 13.2#

