

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060121\
 Data File : VD069283.D
 Acq On : 01 Jun 2021 15:05
 Operator : VA/SY
 Sample : VD0601SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 02 02:25:42 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)

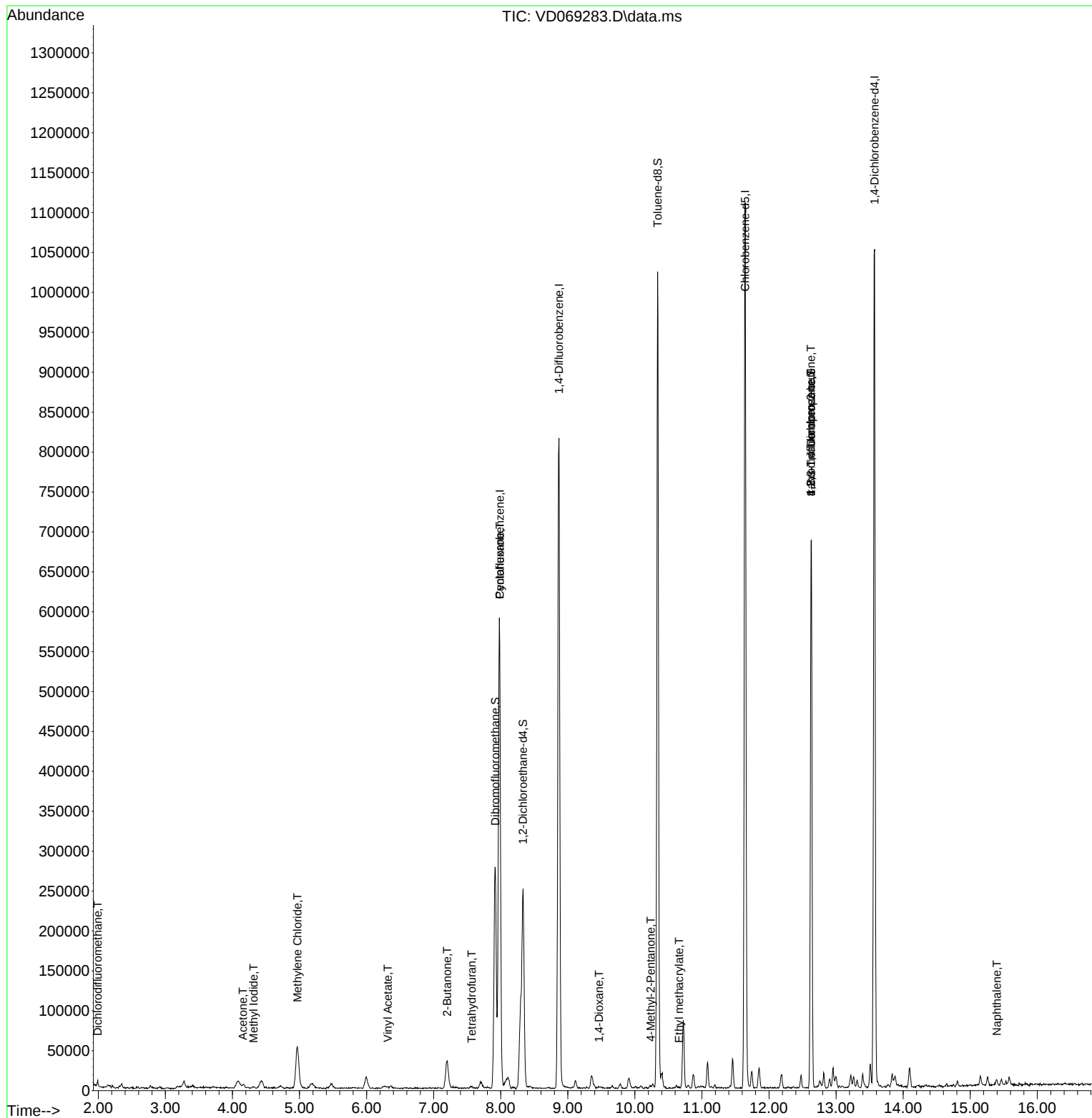
Internal Standards						
1) Pentafluorobenzene	7.985	168	428088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	748327	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	676600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	295864	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	190858	46.46	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.92%		
35) Dibromofluoromethane	7.920	113	205009	43.63	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.26%		
50) Toluene-d8	10.338	98	700311	40.98	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	81.96%		
62) 4-Bromofluorobenzene	12.626	95	221785	39.61	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	79.22%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	4557	1.01	ug/l	100
10) Methyl Iodide	4.315	142	2196	2.94	ug/l #	91
11) Tert butyl alcohol	5.191	59	5977	Below Cal	#	73
16) Acetone	4.156	43	8045	11.22	ug/l #	82
20) Methylene Chloride	4.968	84	44823	2.07	ug/l	96
23) Vinyl Acetate	6.315	43	1658	11.86	ug/l #	57
25) 2-Butanone	7.203	43	2789	2.96	ug/l	92
29) Tetrahydrofuran	7.567	42	768	1.42	ug/l #	46
31) Cyclohexane	7.985	56	13368	2.05	ug/l #	31
49) 1,4-Dioxane	9.467	88	62	2.20	ug/l #	27
51) 4-Methyl-2-Pentanone	10.238	43	3010	1.30	ug/l #	71
56) Ethyl methacrylate	10.661	69	331	2.71	ug/l #	78
76) 1,2,3-Trichloropropane	12.626	75	107803	41.94	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	107803	92.93	ug/l #	18
95) Naphthalene	15.396	128	7690	4.01	ug/l #	90

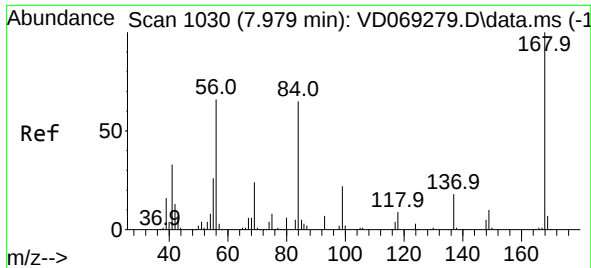
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator : VA/SY
Sample : VD0601SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 12 Sample Multiplier: 1

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MSVOA_D
ClientSampleId :

Quant Time: Jun 02 02:25:42 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

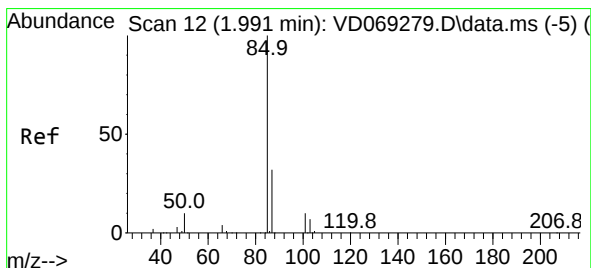
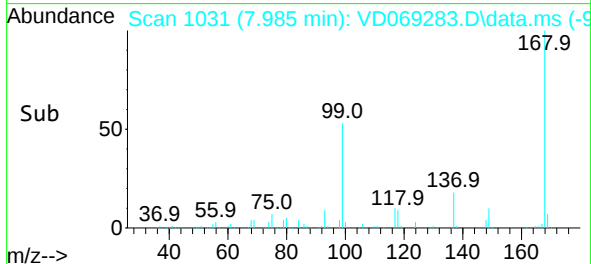
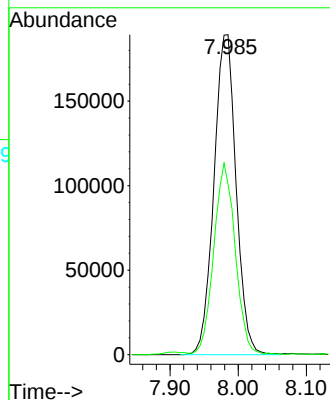
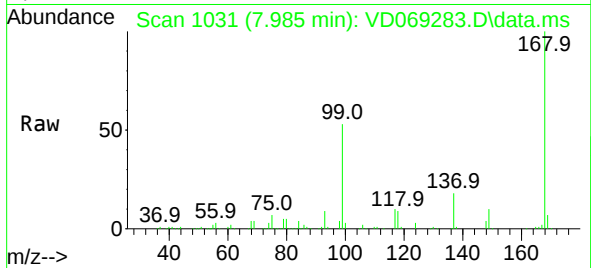




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

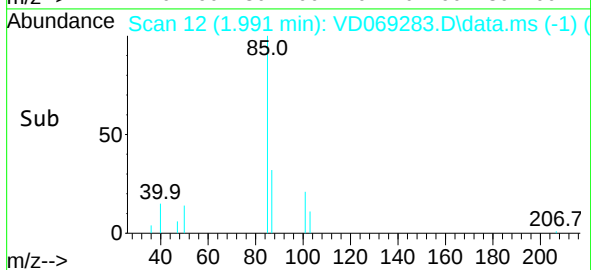
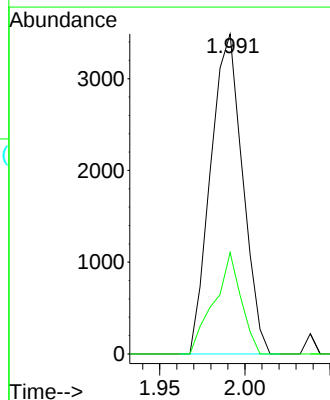
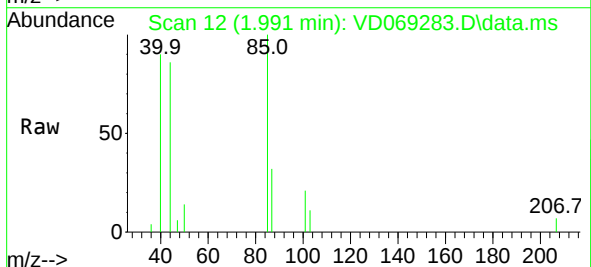
Instrument :
MSVOA_D
ClientSampled :

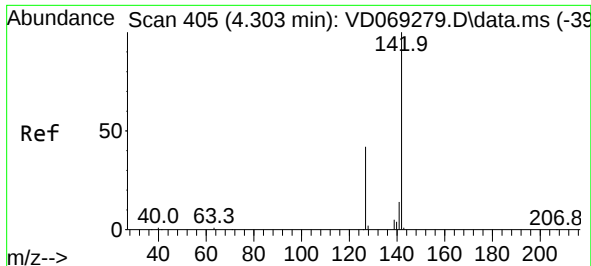
Tgt Ion:168 Resp: 428088
Ion Ratio Lower Upper
168 100
99 53.0 46.2 69.2



#2
Dichlorodifluoromethane
Concen: 1.01 ug/l
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

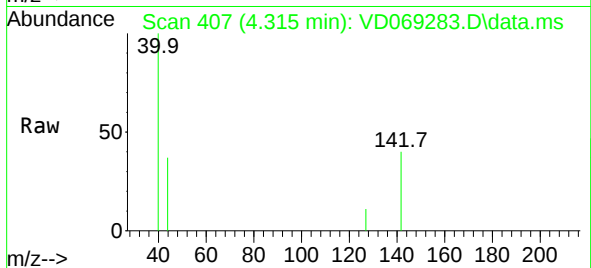
Tgt Ion: 85 Resp: 4557
Ion Ratio Lower Upper
85 100
87 31.7 15.9 47.7



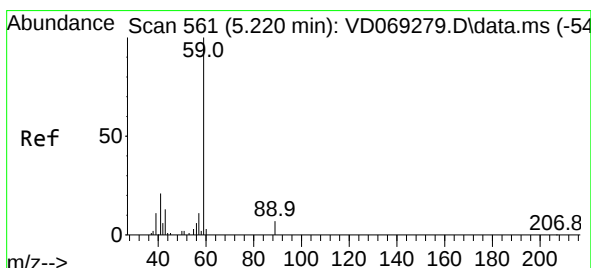
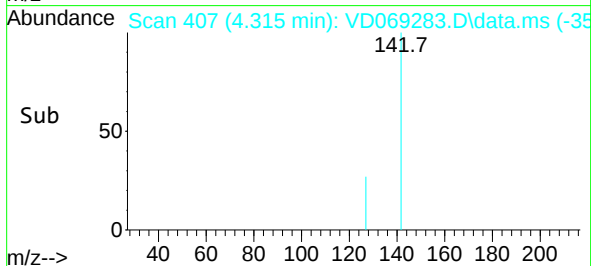
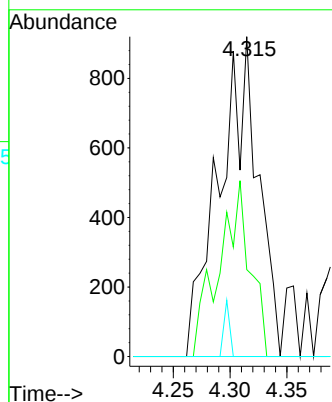


#10
Methyl Iodide
Concen: 2.94 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Instrument :
MSVOA_D
ClientSampled :

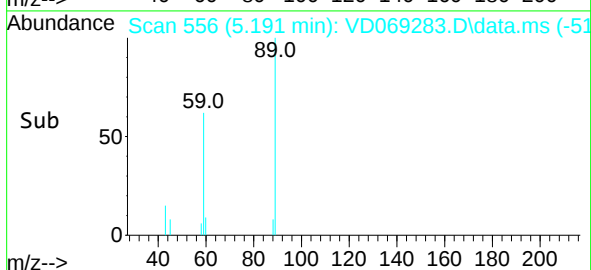
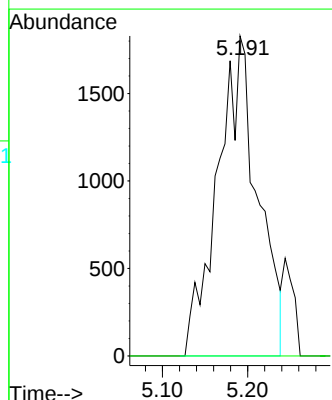
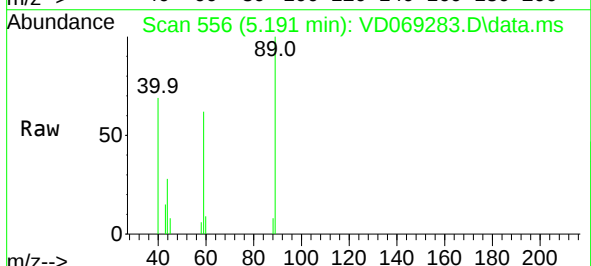


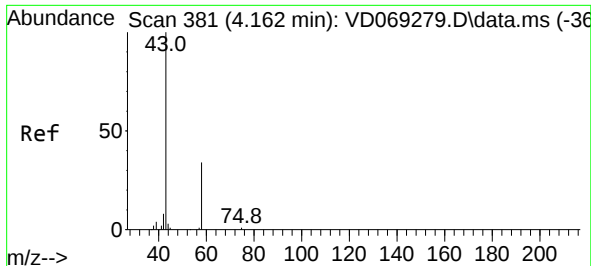
Tgt Ion:142 Resp: 2196
Ion Ratio Lower Upper
142 100
127 43.9 36.2 54.2
141 2.6 12.2 18.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Tgt Ion: 59 Resp: 5977
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

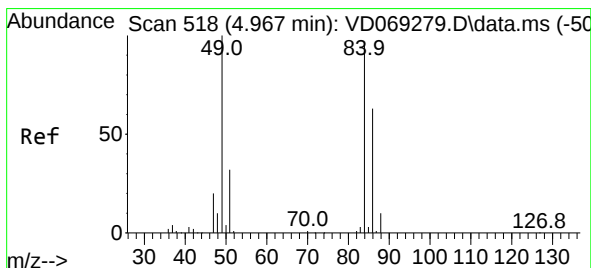
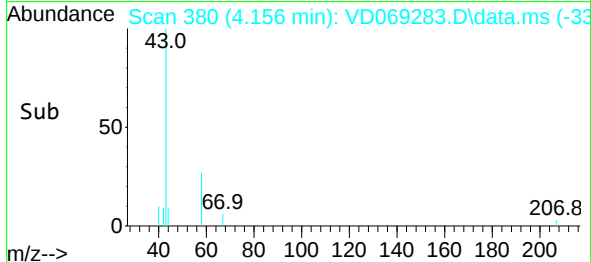
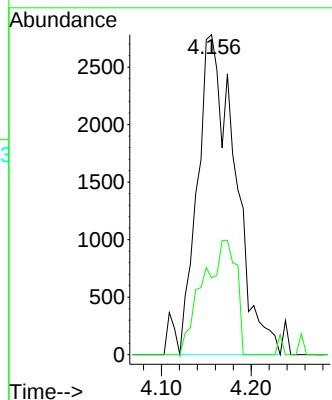
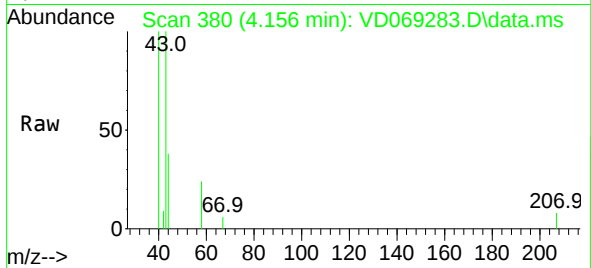




#16
Acetone
Concen: 11.22 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

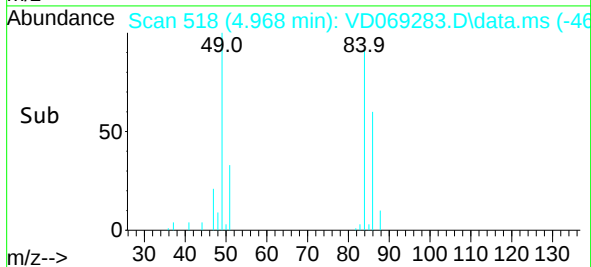
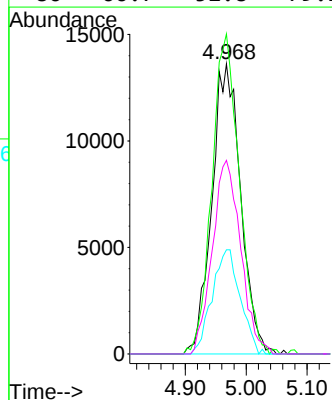
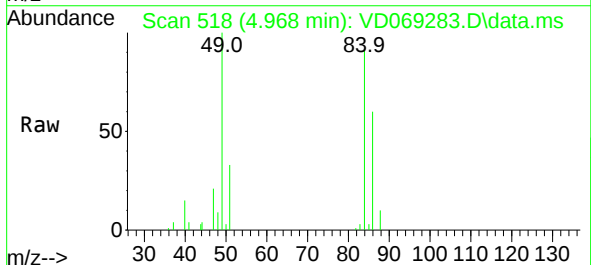
Instrument :
MSVOA_D
ClientSampled :

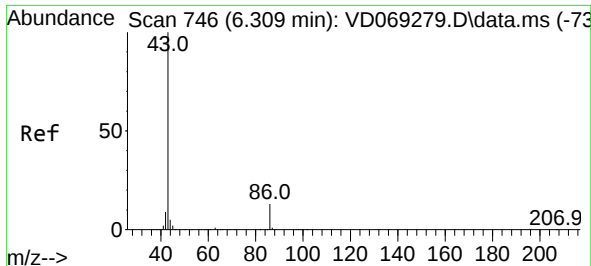
Tgt Ion: 43 Resp: 8045
Ion Ratio Lower Upper
43 100
58 24.1 27.5 41.3#



#20
Methylene Chloride
Concen: 2.07 ug/l
RT: 4.968 min Scan# 518
Delta R.T. 0.001 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Tgt Ion: 84 Resp: 44823
Ion Ratio Lower Upper
84 100
49 110.3 83.7 125.5
51 35.9 26.4 39.6
86 66.7 52.8 79.2

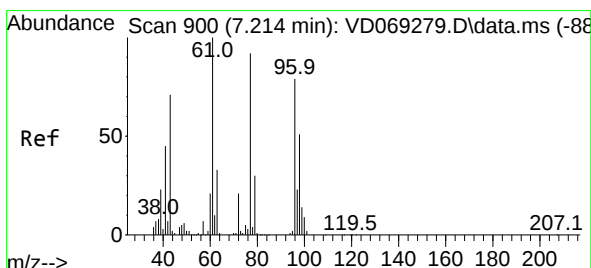
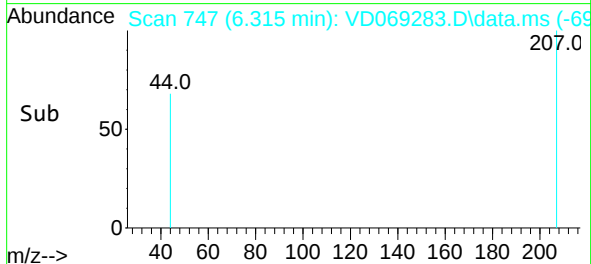
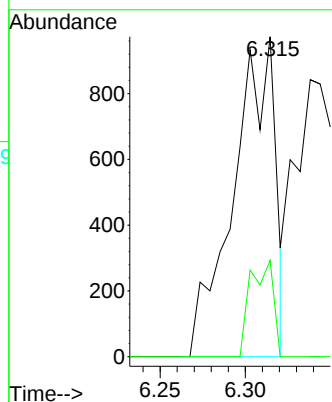
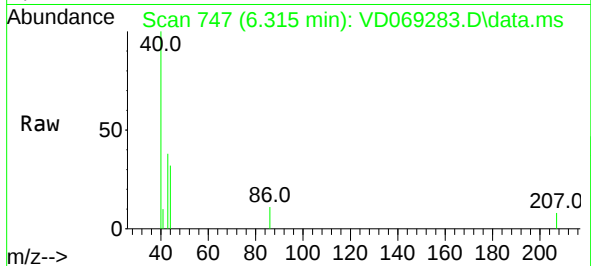




#23
 Vinyl Acetate
 Concen: 11.86 ug/l
 RT: 6.315 min Scan# 747
 Delta R.T. 0.006 min
 Lab File: VD069283.D
 Acq: 01 Jun 2021 15:05

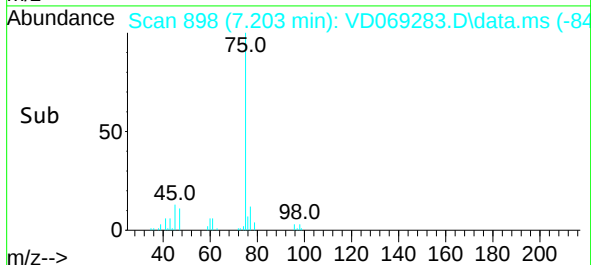
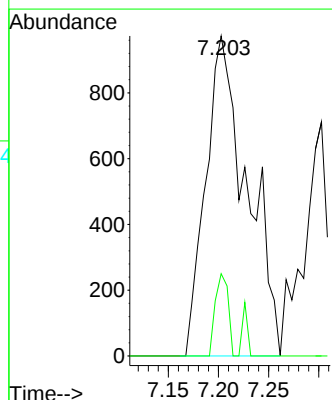
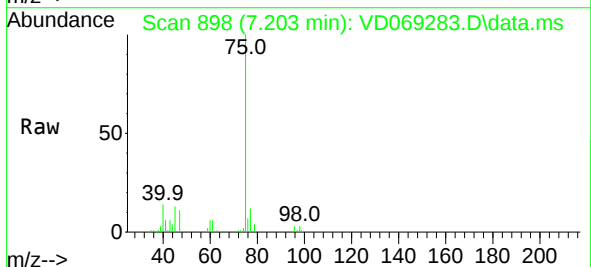
Instrument :
 MSVOA_D
 ClientSampled :

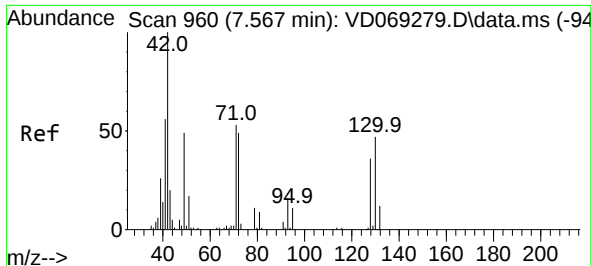
Tgt Ion: 43 Resp: 1658
 Ion Ratio Lower Upper
 43 100
 86 30.1 10.5 15.7#



#25
 2-Butanone
 Concen: 2.96 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD069283.D
 Acq: 01 Jun 2021 15:05

Tgt Ion: 43 Resp: 2789
 Ion Ratio Lower Upper
 43 100
 72 25.7 23.9 35.9





#29

Tetrahydrofuran

Concen: 1.42 ug/l

RT: 7.567 min Scan# 960

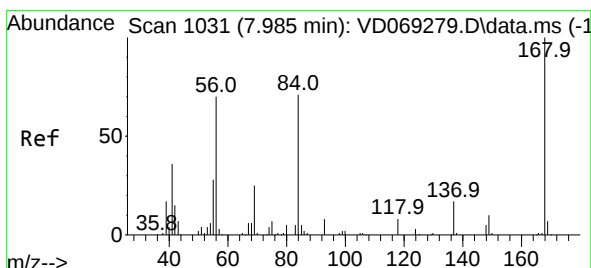
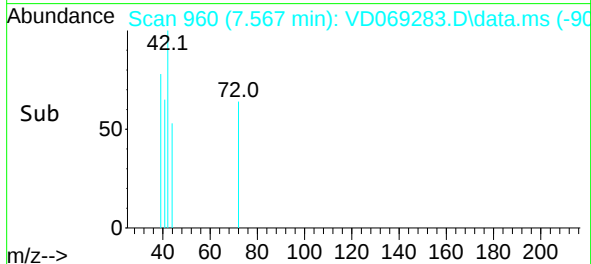
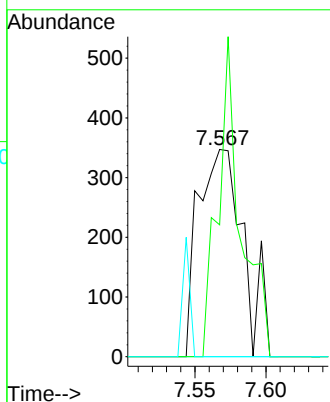
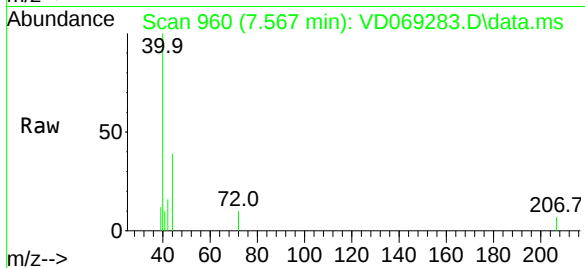
Delta R.T. 0.000 min

Lab File: VD069283.D

Acq: 01 Jun 2021 15:05

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	42	Resp:	768
Ion	Ratio	Lower	Upper
42	100		
72	77.6	41.0	61.6#
71	0.0	38.9	58.3#



#31

Cyclohexane

Concen: 2.05 ug/l

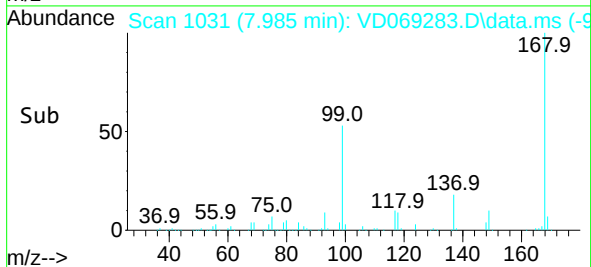
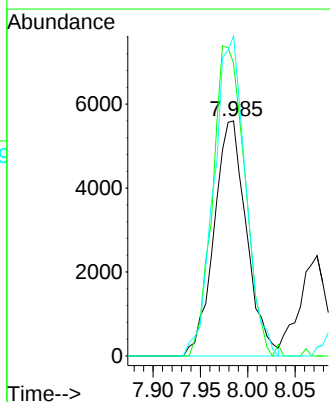
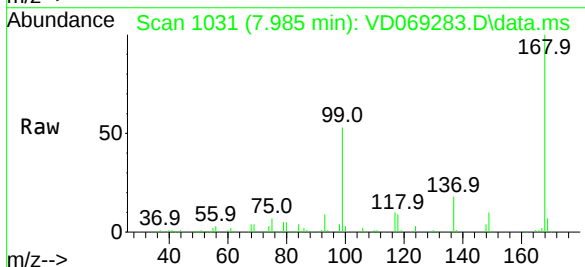
RT: 7.985 min Scan# 1031

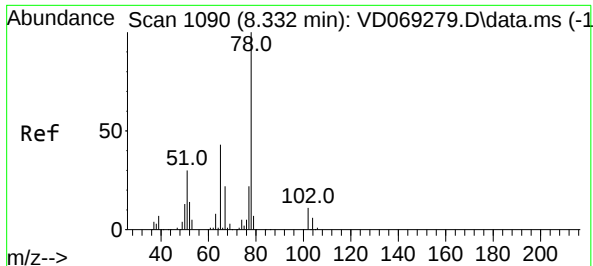
Delta R.T. 0.000 min

Lab File: VD069283.D

Acq: 01 Jun 2021 15:05

Tgt Ion:	56	Resp:	13368
Ion	Ratio	Lower	Upper
56	100		
69	124.4	29.0	43.4#
84	142.2	81.1	121.7#

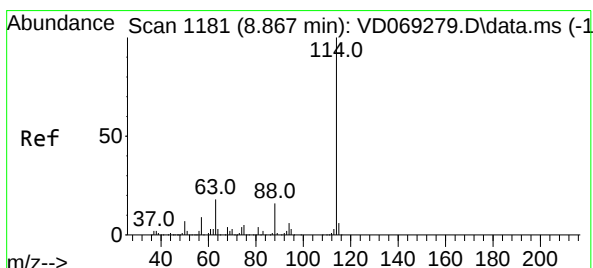
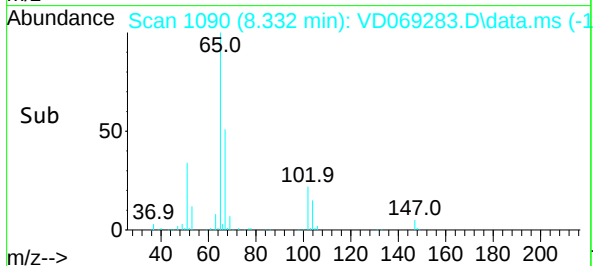
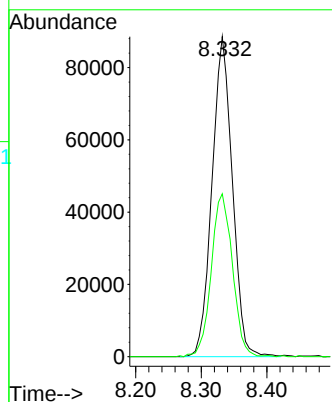
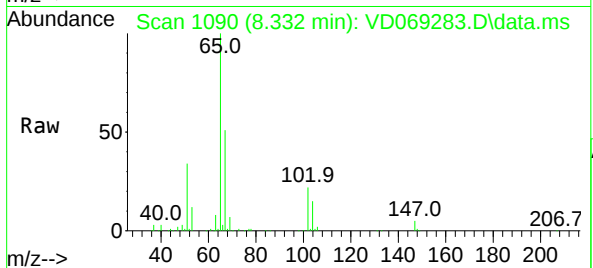




#33
1,2-Dichloroethane-d4
Concen: 46.46 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

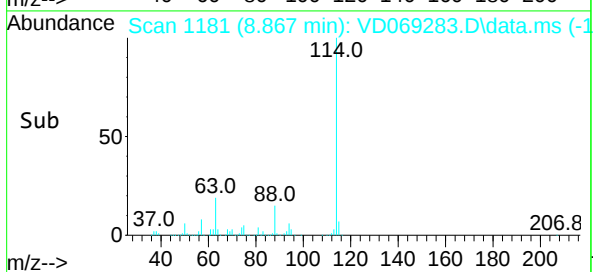
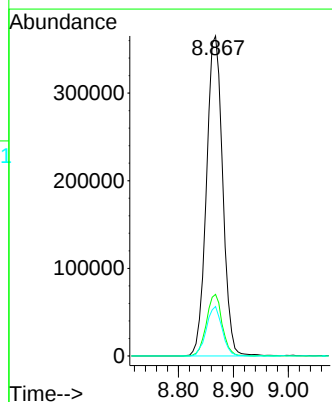
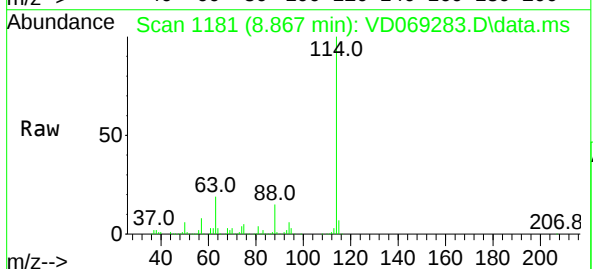
Instrument :
MSVOA_D
ClientSampled :

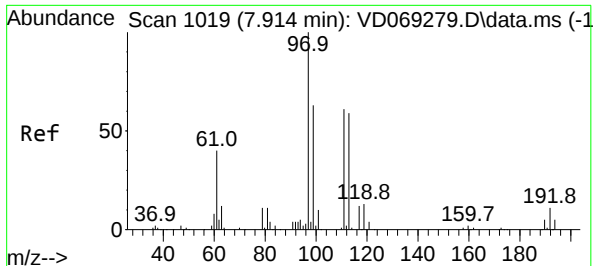
Tgt Ion: 65 Resp: 190858
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Tgt Ion: 114 Resp: 748327
Ion Ratio Lower Upper
114 100
63 19.2 0.0 35.6
88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 43.63 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VD069283.D

Acq: 01 Jun 2021 15:05

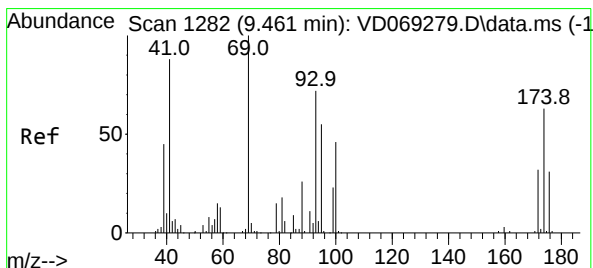
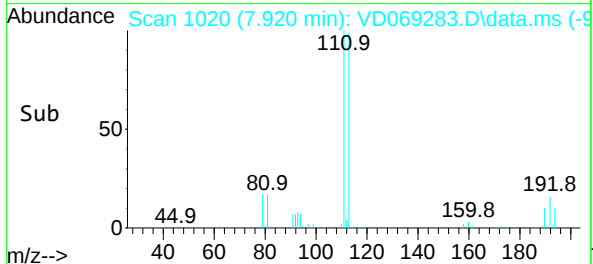
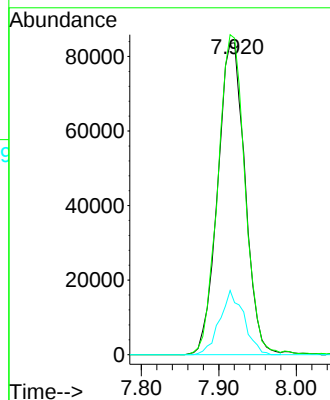
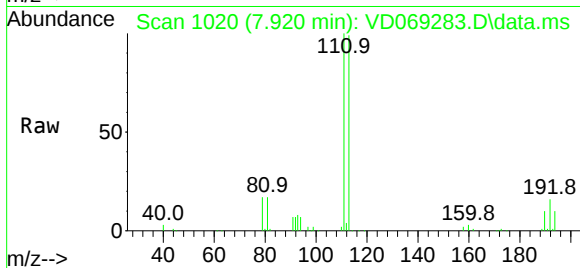
Tgt Ion:113 Resp: 205009

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.6

192 18.4 15.1 22.7



#49

1,4-Dioxane

Concen: 2.20 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.006 min

Lab File: VD069283.D

Acq: 01 Jun 2021 15:05

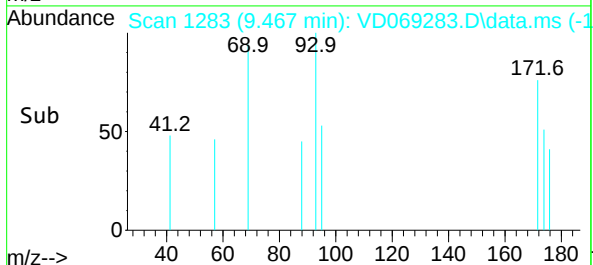
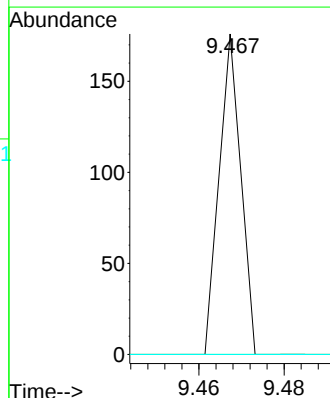
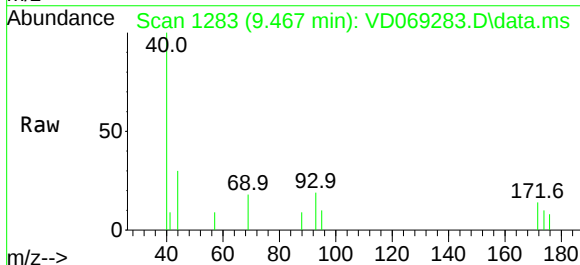
Tgt Ion: 88 Resp: 62

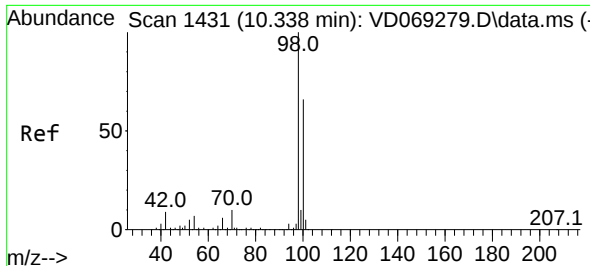
Ion Ratio Lower Upper

88 100

43 0.0 25.4 38.2#

58 0.0 50.2 75.4#

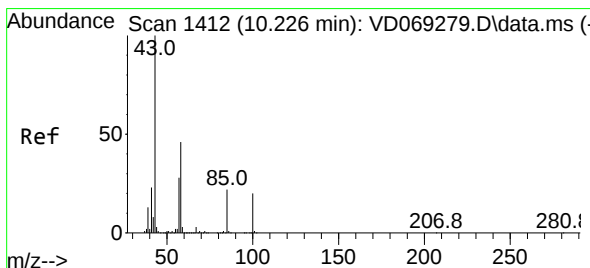
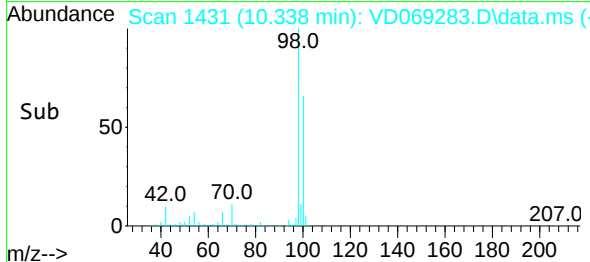
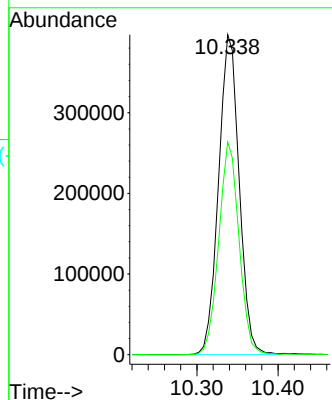
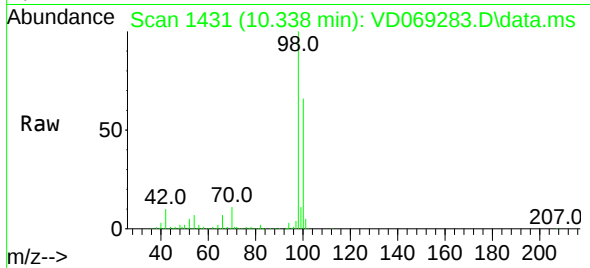




#50
Toluene-d8
Concen: 40.98 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

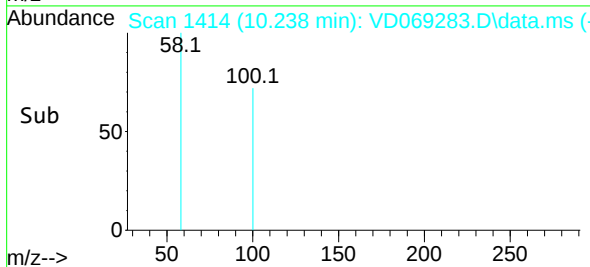
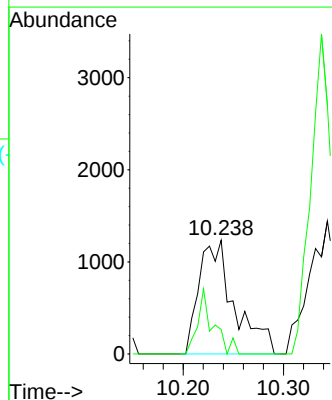
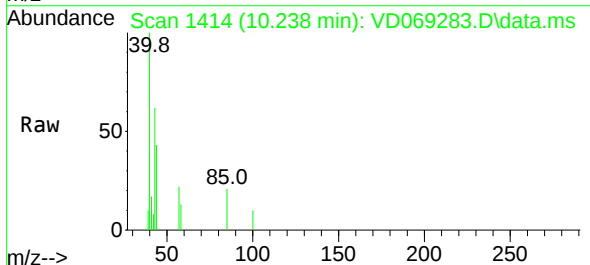
Instrument :
MSVOA_D
ClientSampled :

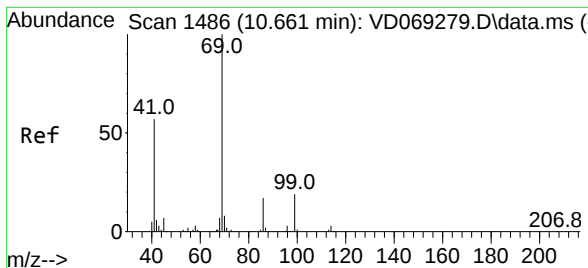
Tgt Ion: 98 Resp: 700311
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.30 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Tgt Ion: 43 Resp: 3010
Ion Ratio Lower Upper
43 100
58 25.4 35.1 52.7#

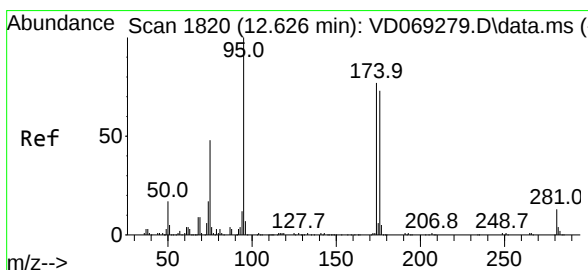
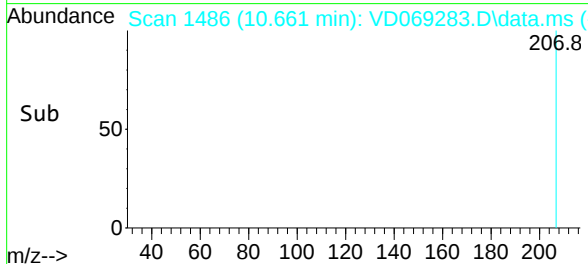
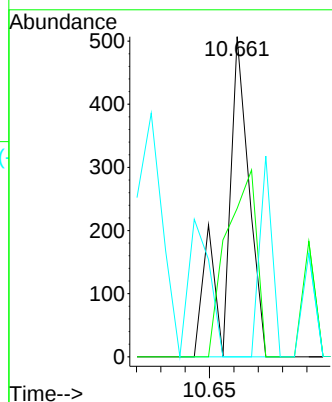
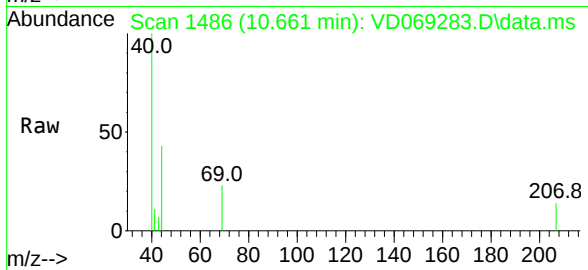




#56
Ethyl methacrylate
Concen: 2.71 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

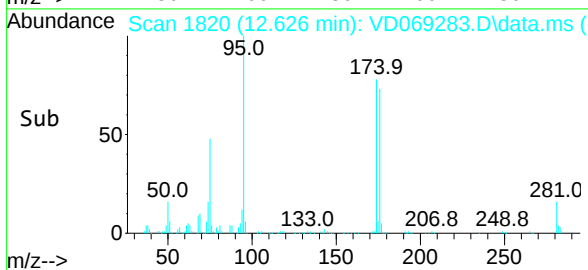
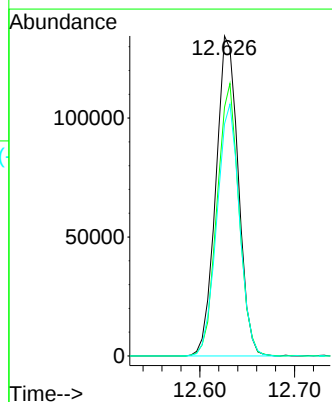
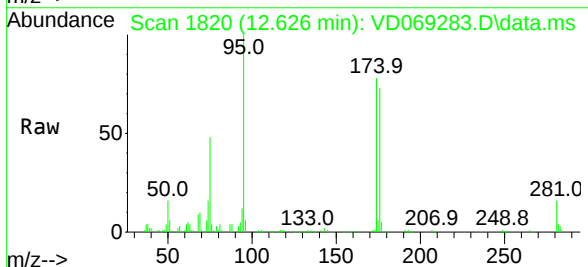
Instrument :
MSVOA_D
ClientSampled :

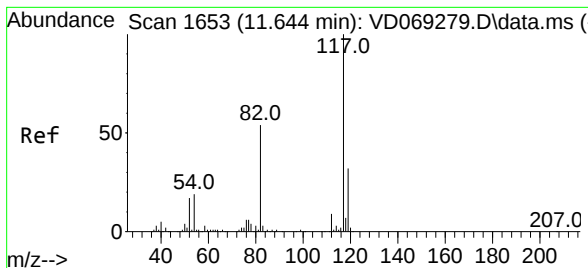
Tgt Ion: 69 Resp: 331
Ion Ratio Lower Upper
69 100
41 76.4 45.4 68.2#
39 33.8 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 39.61 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Tgt Ion: 95 Resp: 221785
Ion Ratio Lower Upper
95 100
174 82.9 0.0 162.8
176 78.9 0.0 154.4

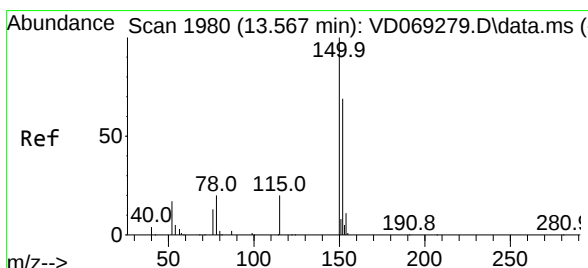
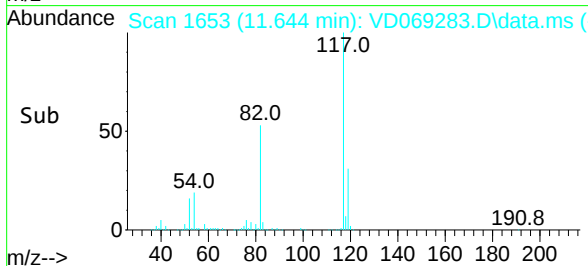
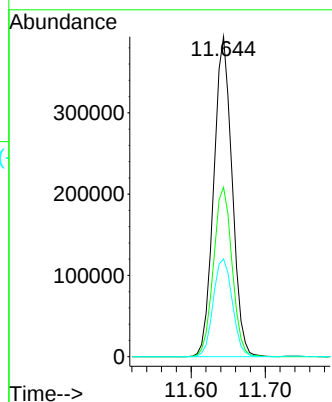
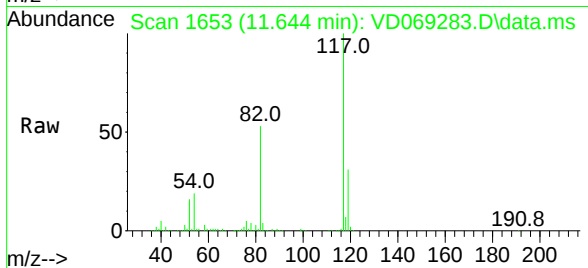




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

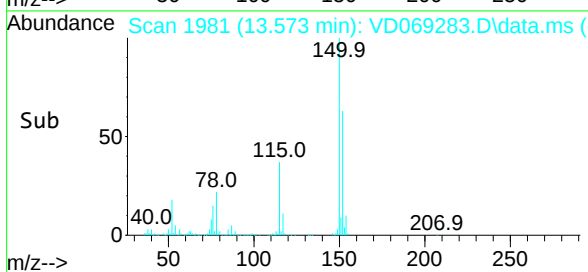
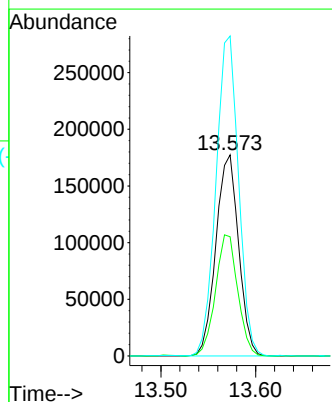
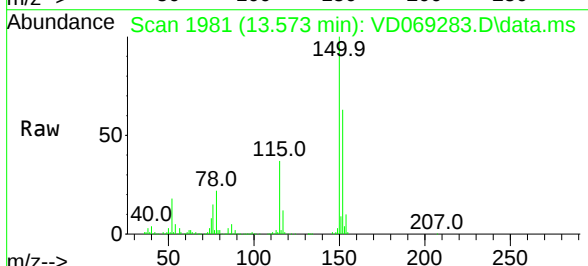
Instrument :
MSVOA_D
ClientSampled :

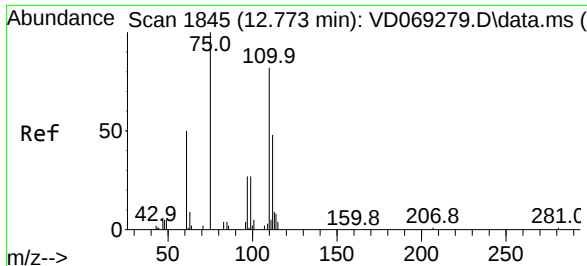
Tgt Ion:117 Resp: 676600
Ion Ratio Lower Upper
117 100
82 52.9 43.3 64.9
119 30.5 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Tgt Ion:152 Resp: 295864
Ion Ratio Lower Upper
152 100
115 59.0 29.4 88.3
150 157.7 0.0 355.0

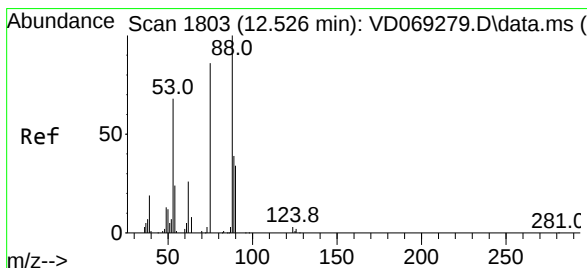
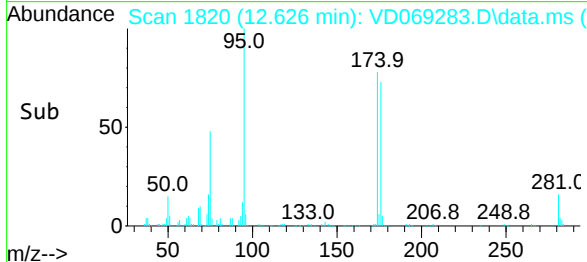
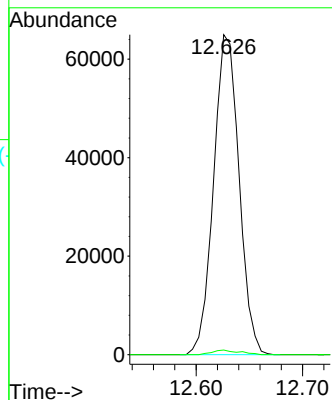
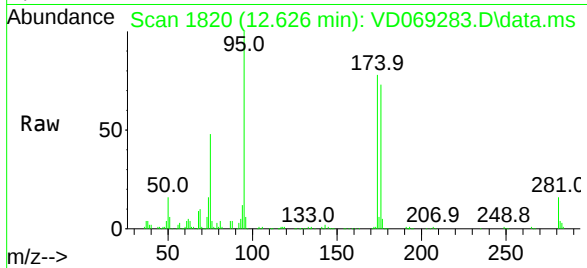




#76
1,2,3-Trichloropropane
Concen: 41.94 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

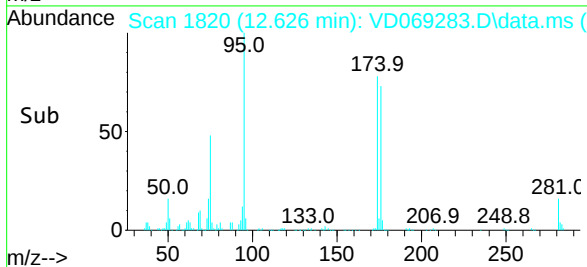
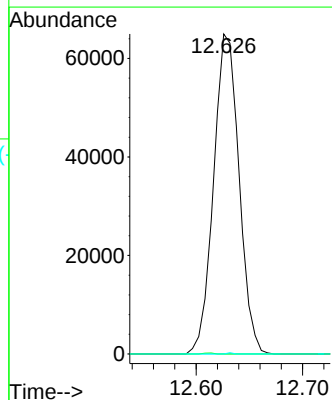
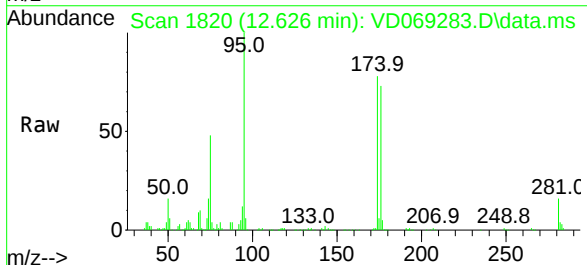
Instrument :
MSVOA_D
ClientSampleId :

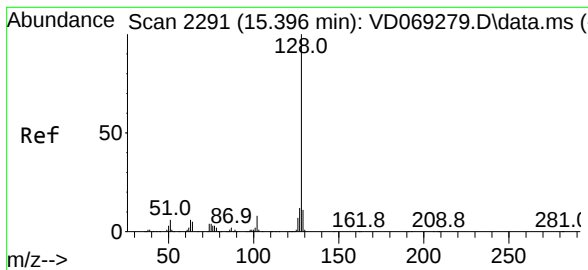
Tgt Ion: 75 Resp: 107803
Ion Ratio Lower Upper
75 100
77 1.6 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.93 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Tgt Ion: 75 Resp: 107803
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 35.6 53.4#





#95
Naphthalene
Concen: 4.01 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069283.D
Acq: 01 Jun 2021 15:05

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 7690
Ion Ratio Lower Upper
128 100
127 19.6 10.4 15.6#
129 10.1 8.8 13.2

