

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060921\
 Data File : VD069401.D
 Acq On : 09 Jun 2021 13:27
 Operator : VA/SY
 Sample : VD0609SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 10 04:02:45 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)

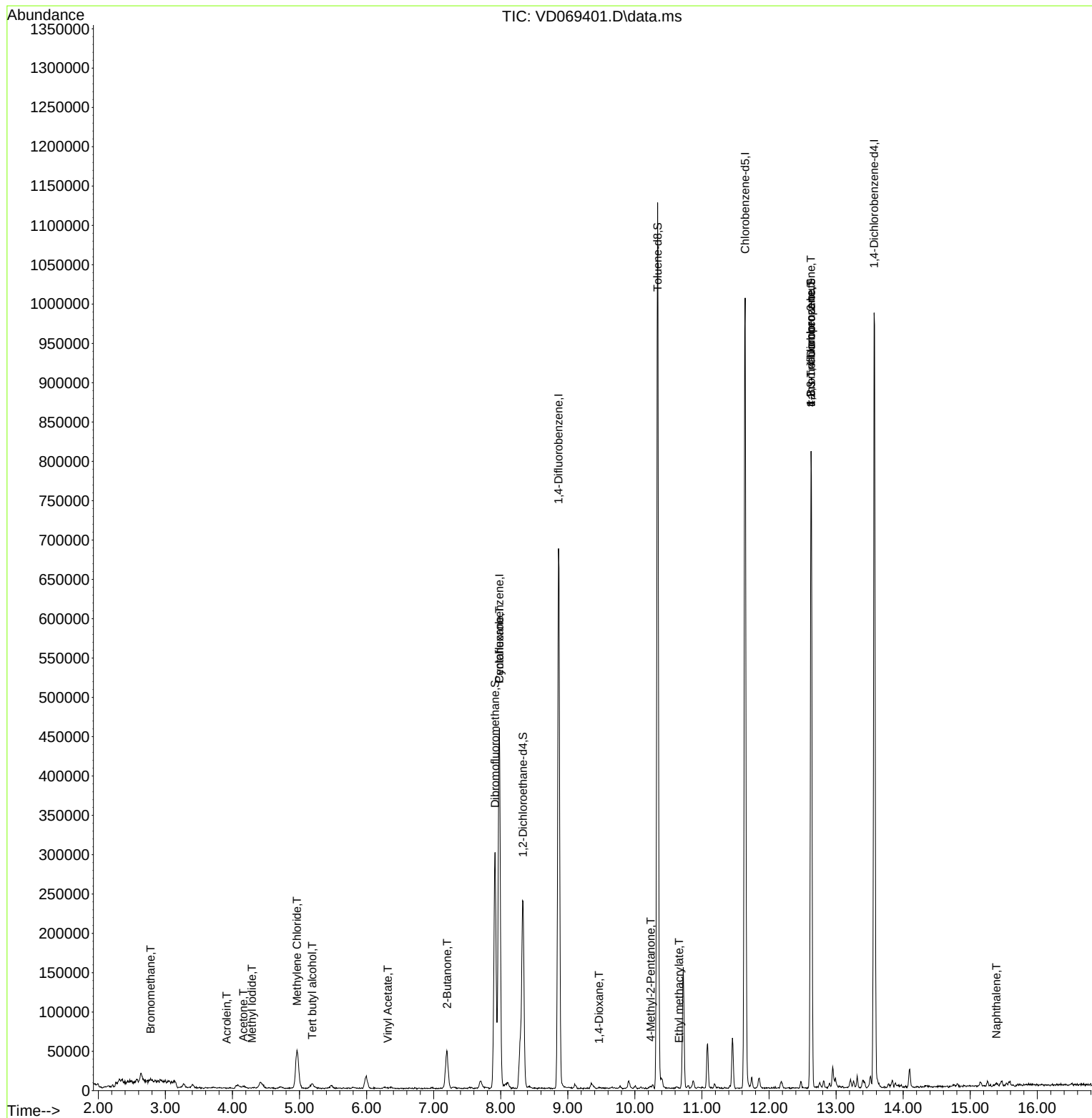
Internal Standards						
1) Pentafluorobenzene	7.979	168	342799	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	618167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	625500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	278022	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	192880	58.64	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.28%			
35) Dibromofluoromethane	7.914	113	211940	54.60	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.20%			
50) Toluene-d8	10.338	98	768382	54.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.86%			
62) 4-Bromofluorobenzene	12.626	95	246621	53.32	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.64%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	2528	1.25	ug/l #	65
10) Methyl Iodide	4.291	142	1633	2.91	ug/l #	62
11) Tert butyl alcohol	5.191	59	5949	3.71	ug/l #	73
13) Acrolein	3.915	56	58	17.39	ug/l #	16
16) Acetone	4.162	43	5223	9.10	ug/l #	81
20) Methylene Chloride	4.962	84	40324	3.29	ug/l	91
23) Vinyl Acetate	6.314	43	965	11.79	ug/l #	67
25) 2-Butanone	7.203	43	2612	3.46	ug/l #	78
31) Cyclohexane	7.979	56	9271	1.77	ug/l #	43
49) 1,4-Dioxane	9.467	88	137	5.87	ug/l #	40
51) 4-Methyl-2-Pentanone	10.238	43	2483	1.29	ug/l #	81
56) Ethyl methacrylate	10.661	69	175	2.68	ug/l #	63
76) 1,2,3-Trichloropropane	12.626	75	121350	50.24	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	121350	111.33	ug/l #	18
95) Naphthalene	15.390	128	4198	3.72	ug/l #	79

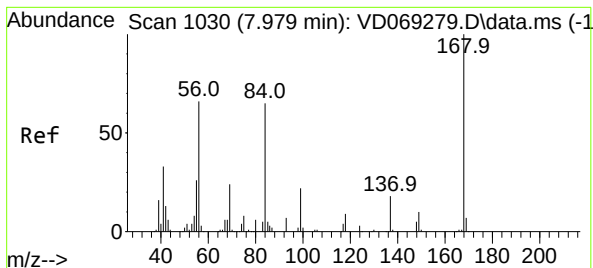
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060921\
Data File : VD069401.D
Acq On : 09 Jun 2021 13:27
Operator : VA/SY
Sample : VD0609SBL01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 10 04:02:45 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

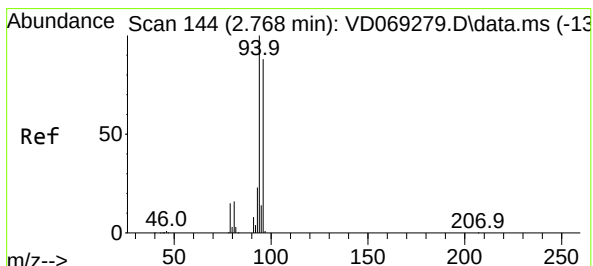
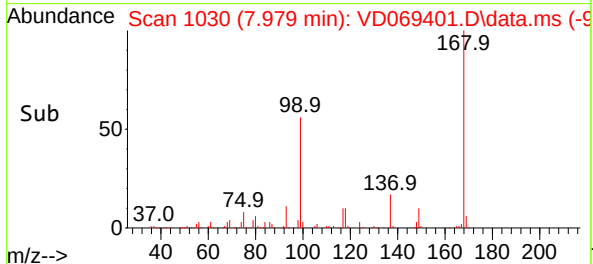
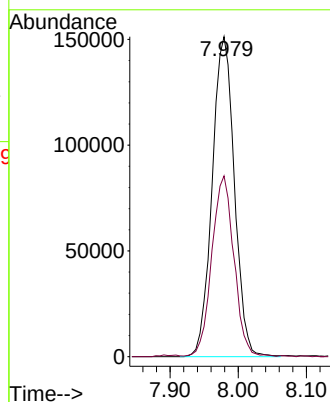
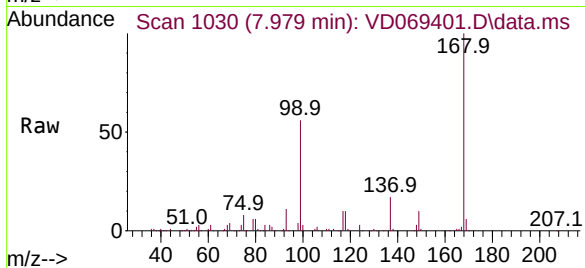




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

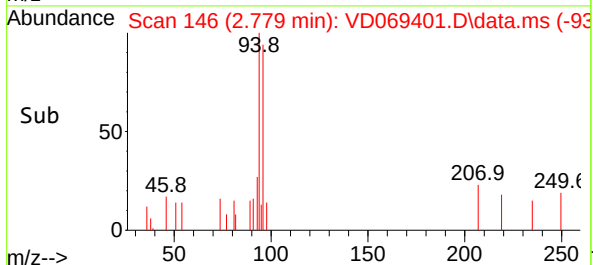
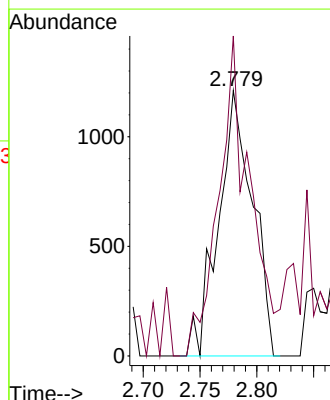
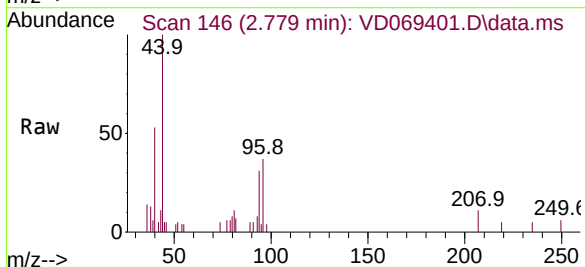
Instrument :
MSVOA_D
ClientSampleId :

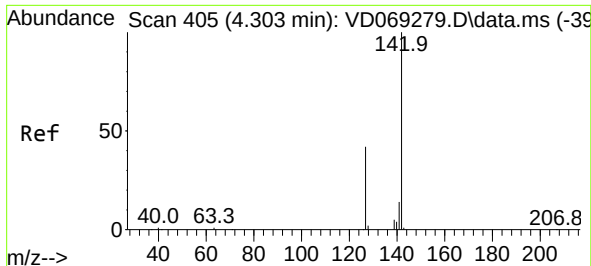
Tgt Ion:168 Resp: 342799
Ion Ratio Lower Upper
168 100
99 56.2 46.2 69.2



#5
Bromomethane
Concen: 1.25 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

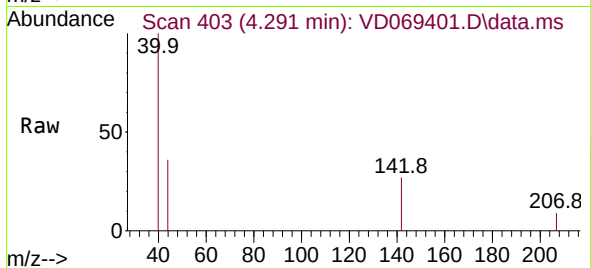
Tgt Ion: 94 Resp: 2528
Ion Ratio Lower Upper
94 100
96 120.6 70.3 105.5#



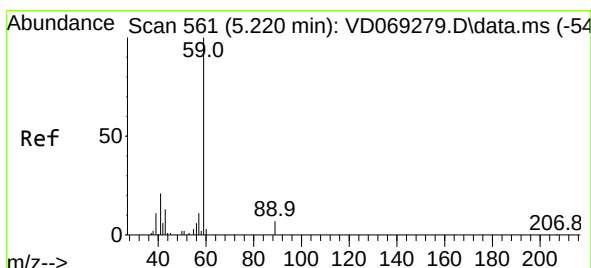
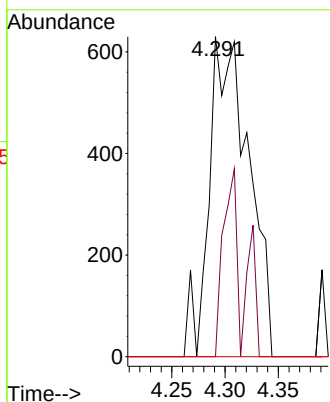
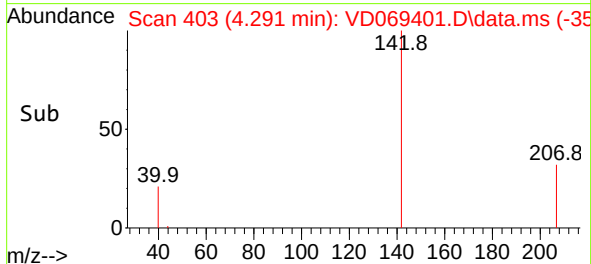


#10
Methyl Iodide
Concen: 2.91 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

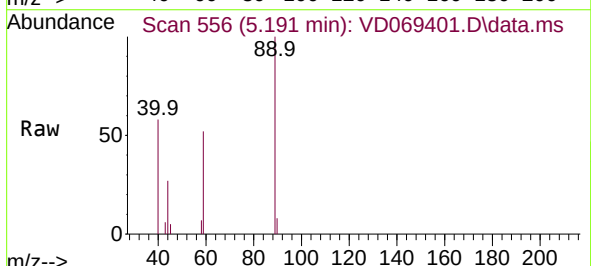
Instrument :
MSVOA_D
ClientSampled :



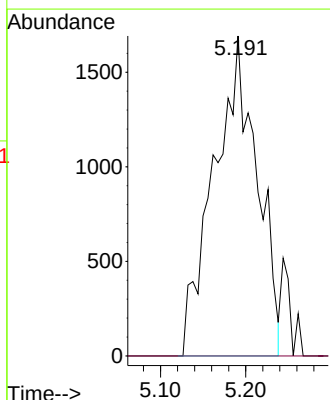
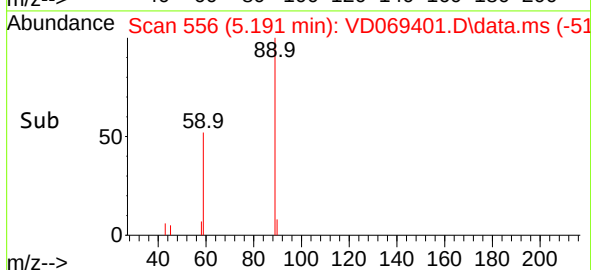
Tgt Ion:142 Resp: 1633
Ion Ratio Lower Upper
142 100
127 19.7 36.2 54.2#
141 0.0 12.2 18.2#

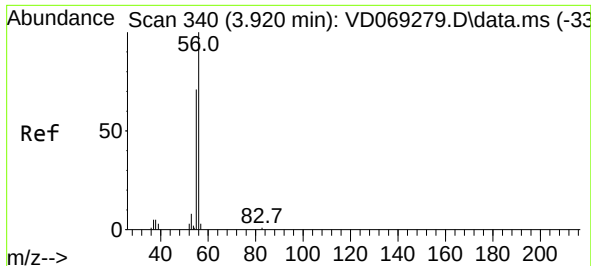


#11
Tert butyl alcohol
Concen: 3.71 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27



Tgt Ion: 59 Resp: 5949
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

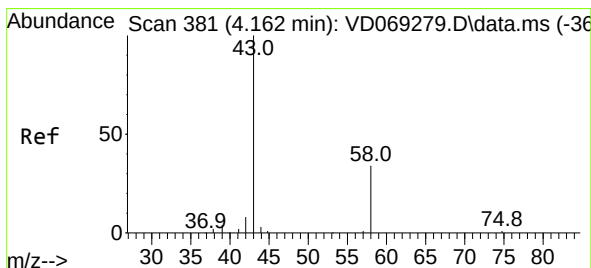
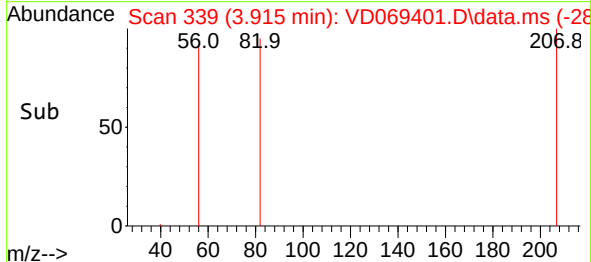
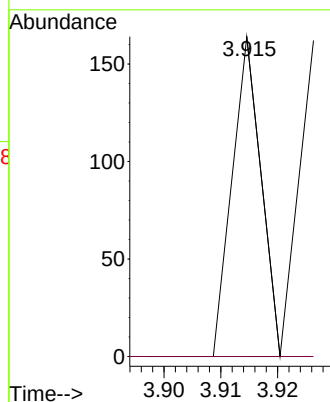
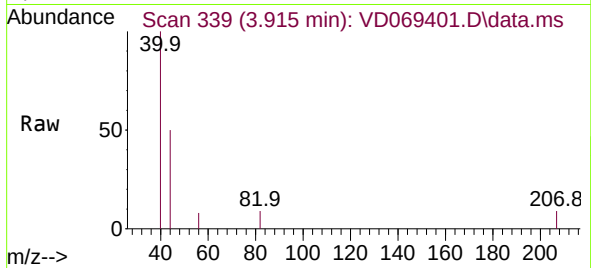




#13
Acrolein
Concen: 17.39 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.005 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

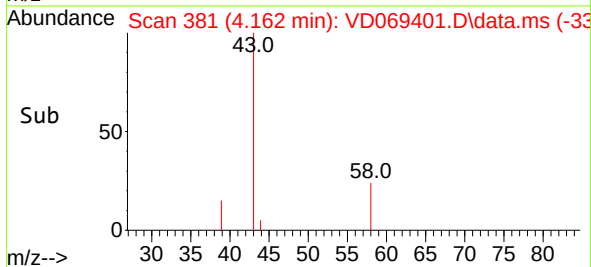
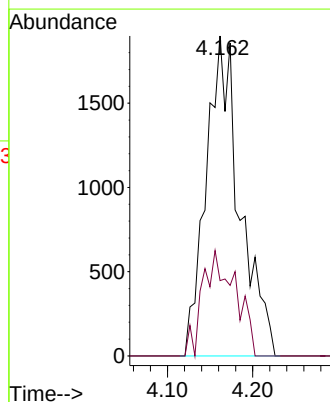
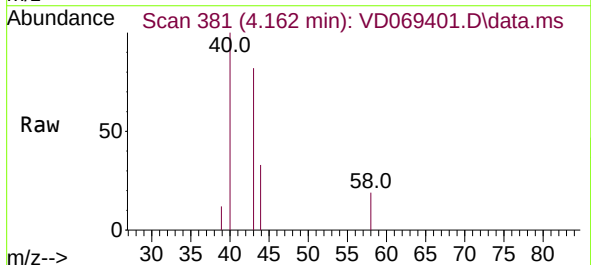
Instrument :
MSVOA_D
ClientSampled :

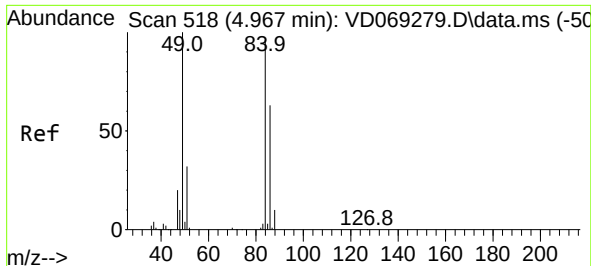
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#



#16
Acetone
Concen: 9.10 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Tgt Ion: 43 Resp: 5223
Ion Ratio Lower Upper
43 100
58 23.5 27.5 41.3#

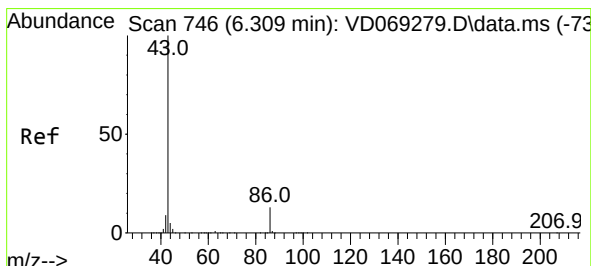
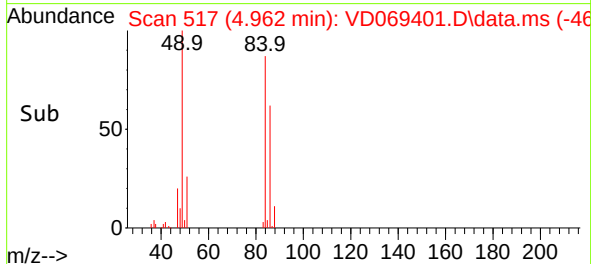
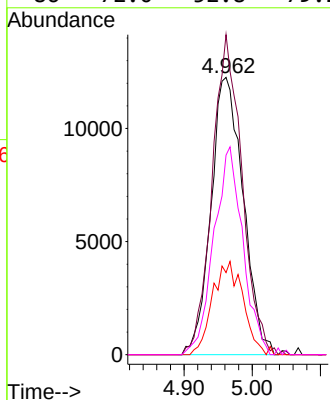
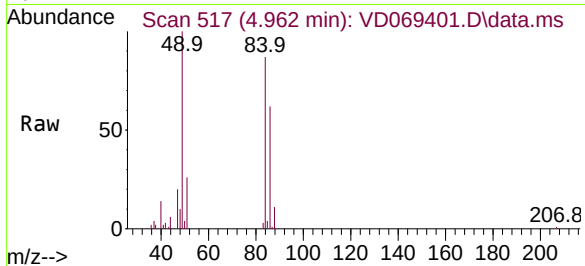




#20
Methylene Chloride
Concen: 3.29 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

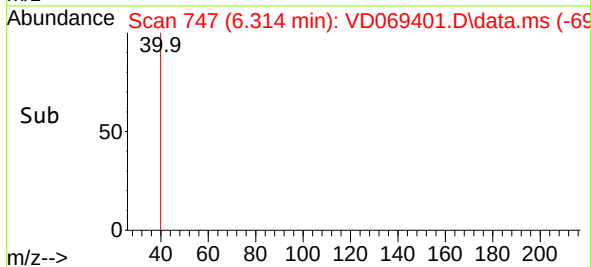
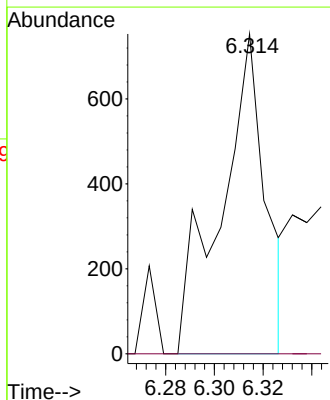
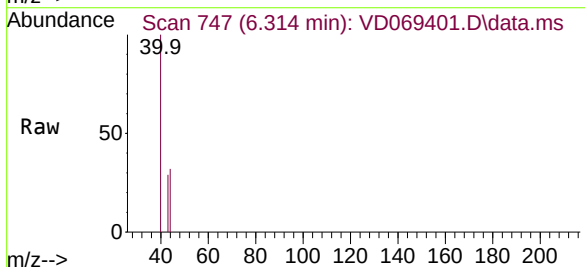
Instrument :
MSVOA_D
ClientSampleId :

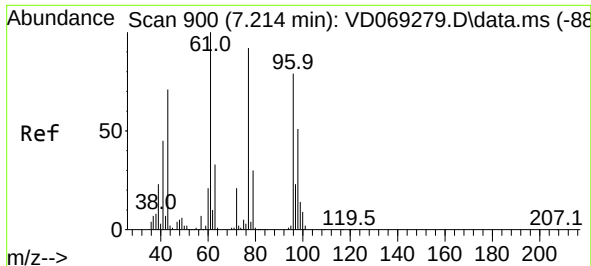
Tgt Ion: 84	Resp: 40324
Ion Ratio	Lower Upper
84 100	
49 115.4	83.7 125.5
51 29.6	26.4 39.6
86 72.0	52.8 79.2



#23
Vinyl Acetate
Concen: 11.79 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Tgt Ion: 43	Resp: 965		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	10.5	15.7#	

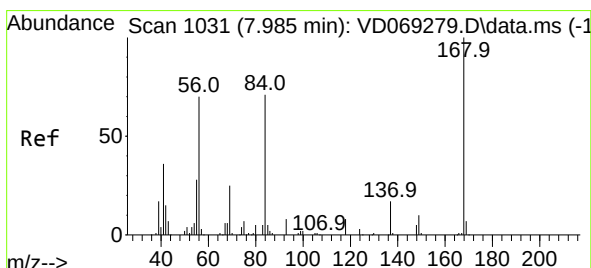
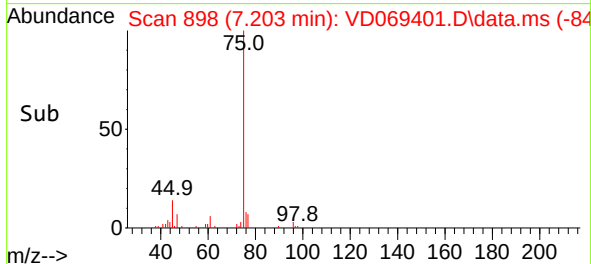
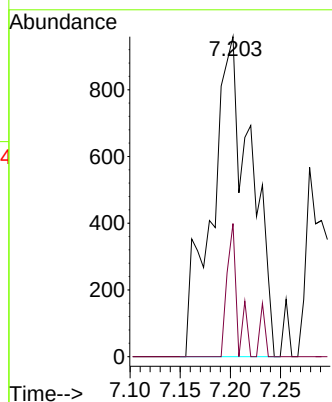
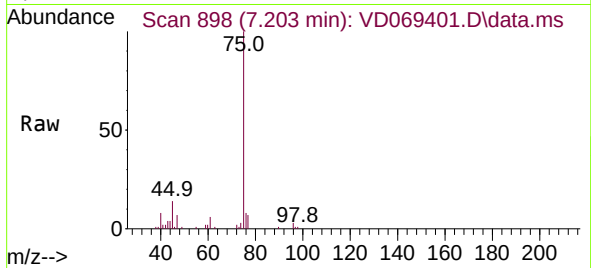




#25
2-Butanone
Concen: 3.46 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

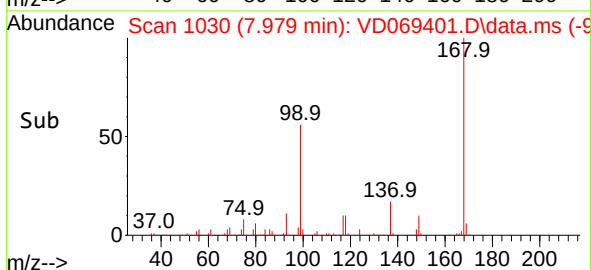
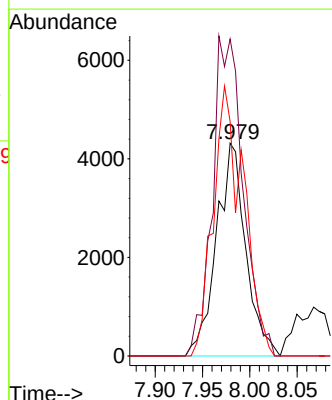
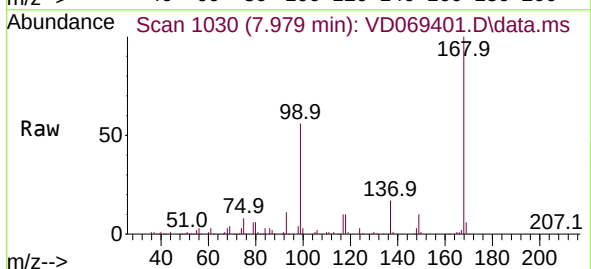
Instrument :
MSVOA_D
ClientSampled :

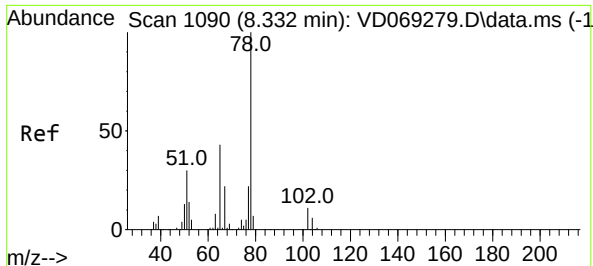
Tgt Ion: 43 Resp: 2612
Ion Ratio Lower Upper
43 100
72 41.6 23.9 35.9#



#31
Cyclohexane
Concen: 1.77 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Tgt Ion: 56 Resp: 9271
Ion Ratio Lower Upper
56 100
69 149.1 29.0 43.4#
84 110.3 81.1 121.7





#33

1,2-Dichloroethane-d4

Concen: 58.64 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.000 min

Lab File: VD069401.D

Acq: 09 Jun 2021 13:27

Tgt Ion: 65 Resp: 192880

Ion Ratio Lower Upper

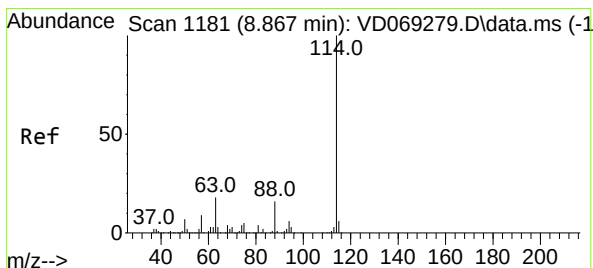
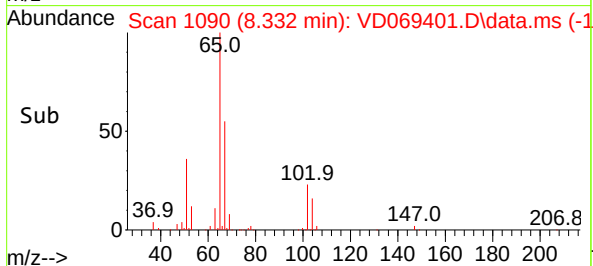
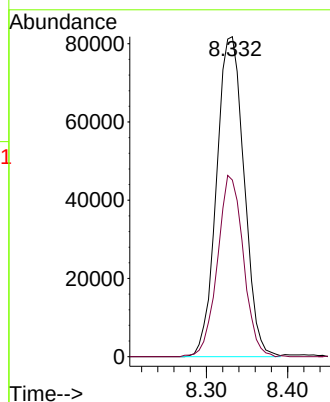
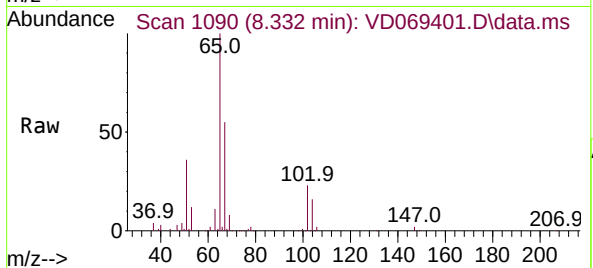
65 100

67 53.4 0.0 105.8

Instrument :

MSVOA_D

ClientSampleId :



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD069401.D

Acq: 09 Jun 2021 13:27

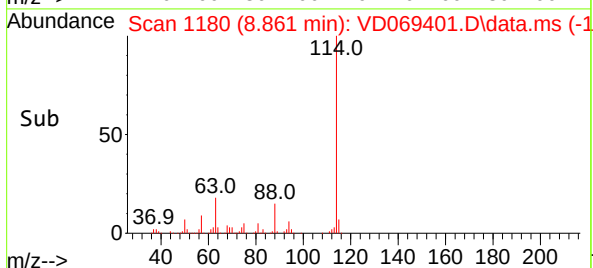
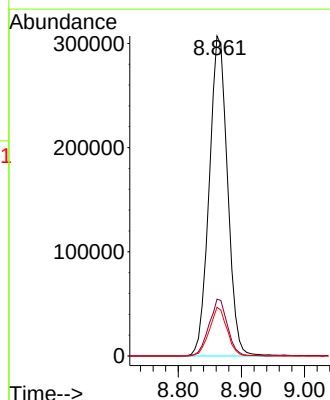
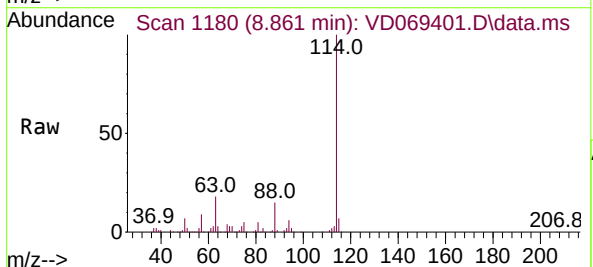
Tgt Ion:114 Resp: 618167

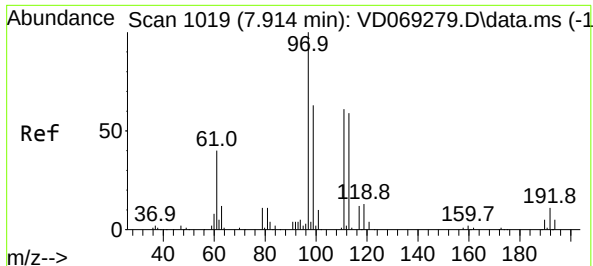
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 54.60 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069401.D

Acq: 09 Jun 2021 13:27

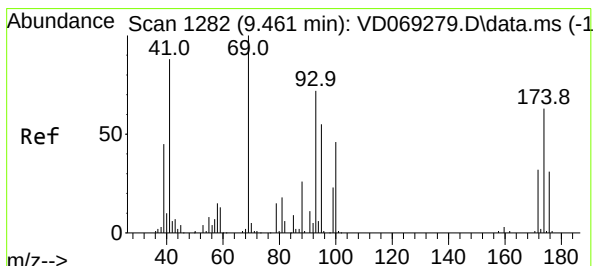
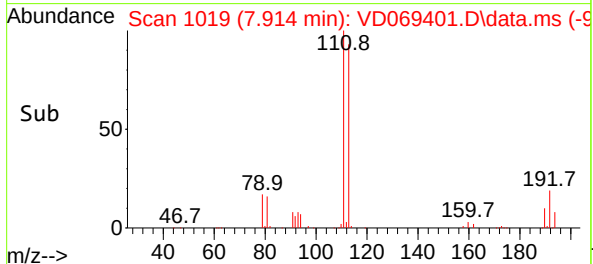
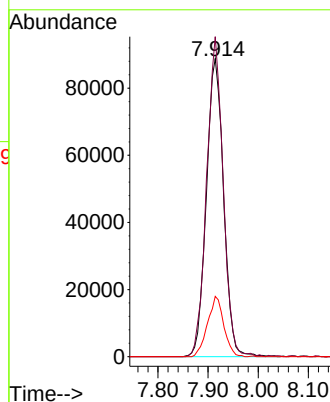
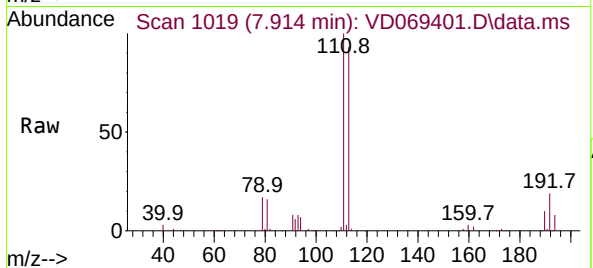
Tgt Ion:113 Resp: 211940

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

192 19.1 15.1 22.7



#49

1,4-Dioxane

Concen: 5.87 ug/l

RT: 9.467 min Scan# 1283

Delta R.T. 0.006 min

Lab File: VD069401.D

Acq: 09 Jun 2021 13:27

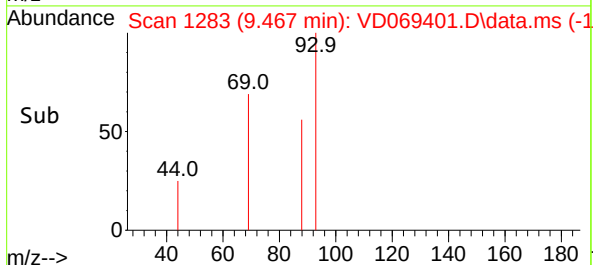
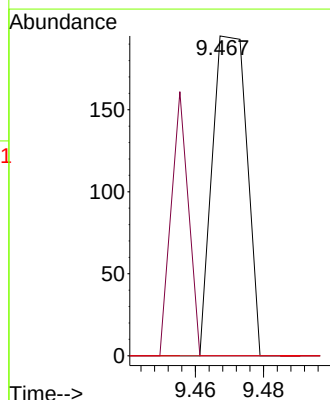
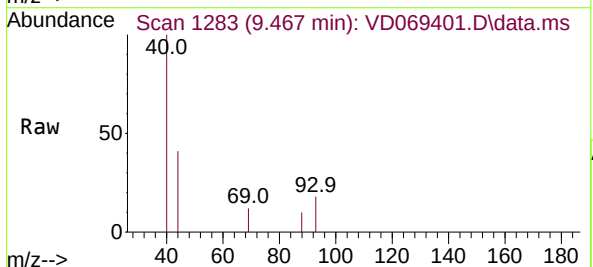
Tgt Ion: 88 Resp: 137

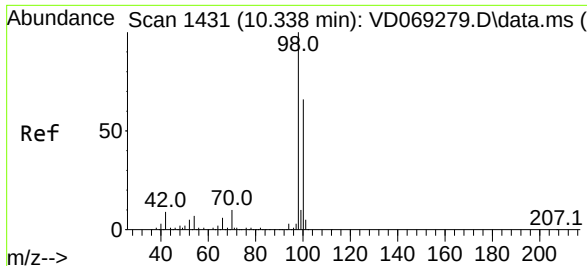
Ion Ratio Lower Upper

88 100

43 41.6 25.4 38.2#

58 0.0 50.2 75.4#

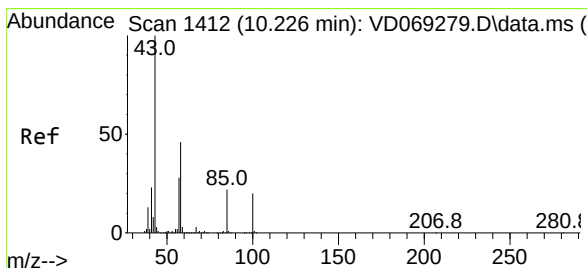
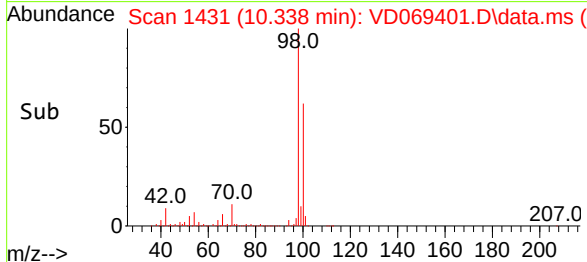
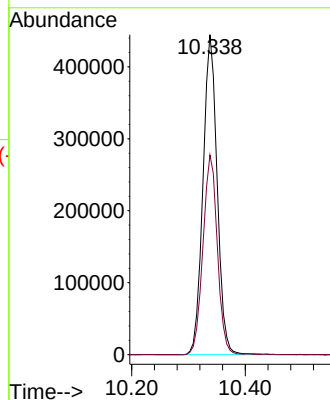
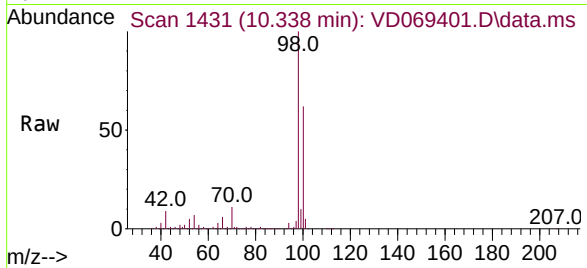




#50
Toluene-d8
Concen: 54.43 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

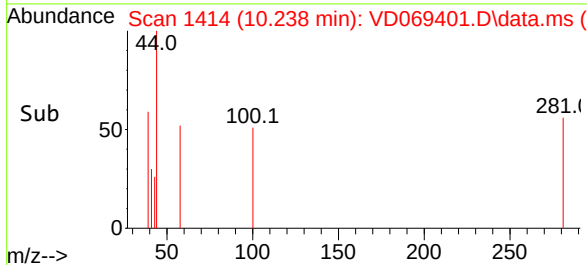
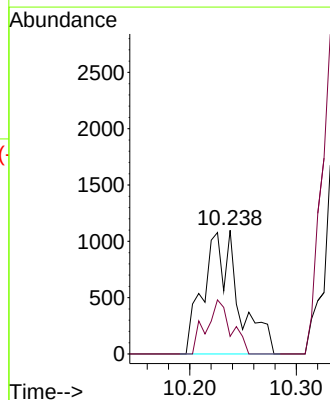
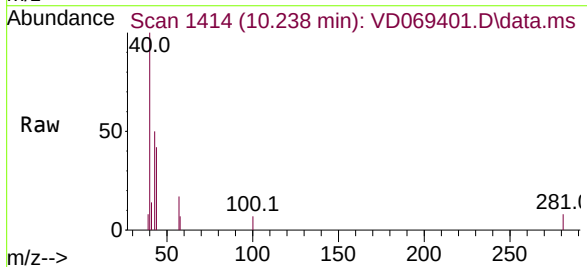
Instrument :
MSVOA_D
ClientSampled :

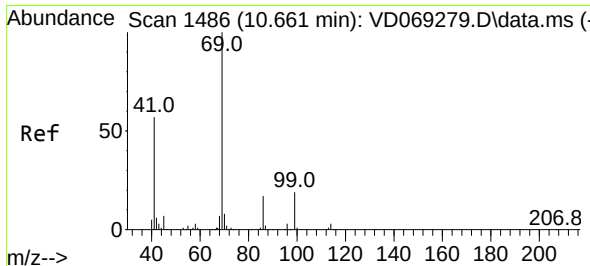
Tgt Ion: 98 Resp: 768382
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.29 ug/l
RT: 10.238 min Scan# 1414
Delta R.T. 0.012 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Tgt Ion: 43 Resp: 2483
Ion Ratio Lower Upper
43 100
58 31.5 35.1 52.7#

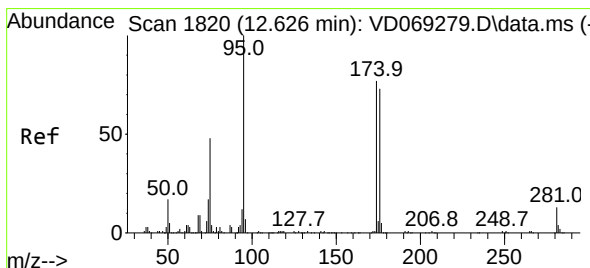
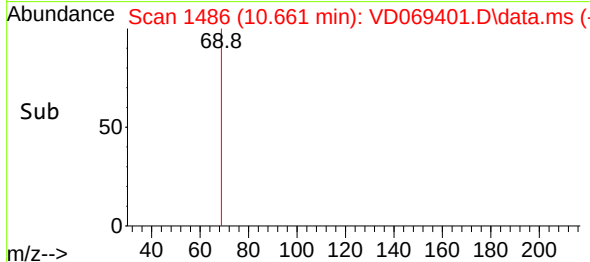
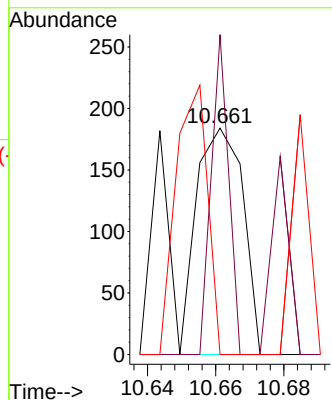
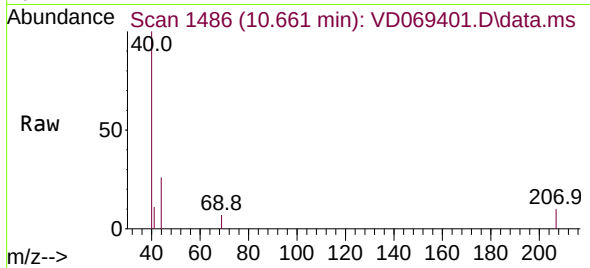




#56
Ethyl methacrylate
Concen: 2.68 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.000 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

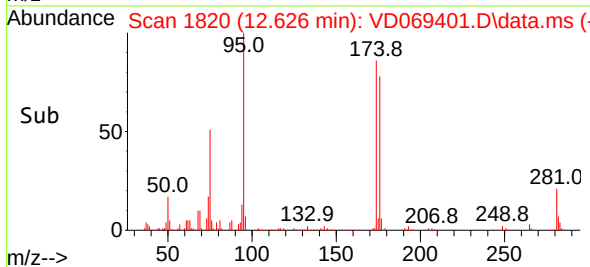
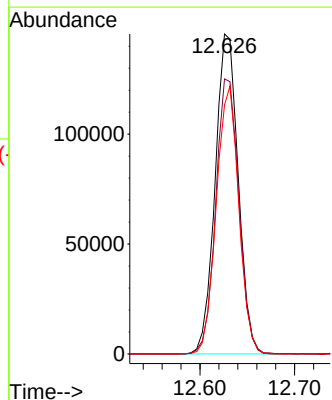
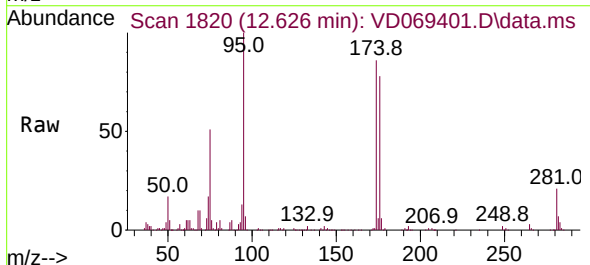
Instrument :
MSVOA_D
ClientSampled :

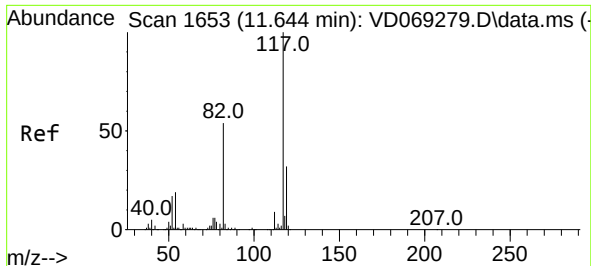
Tgt Ion:	69	Resp:	175
Ion	Ratio	Lower	Upper
69	100		
41	52.6	45.4	68.2
39	80.6	21.7	32.5



#62
4-Bromofluorobenzene
Concen: 53.32 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Tgt Ion:	95	Resp:	246621
Ion	Ratio	Lower	Upper
95	100		
174	86.0	0.0	162.8
176	81.4	0.0	154.4

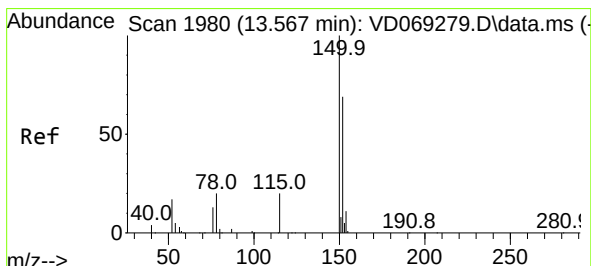
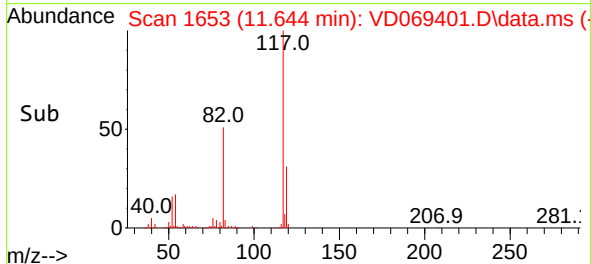
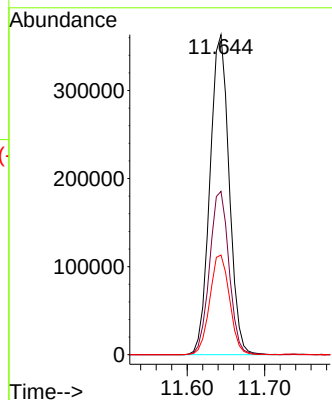
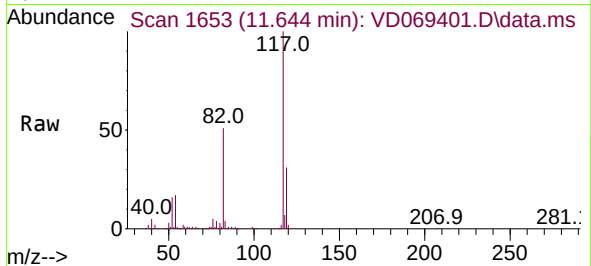




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

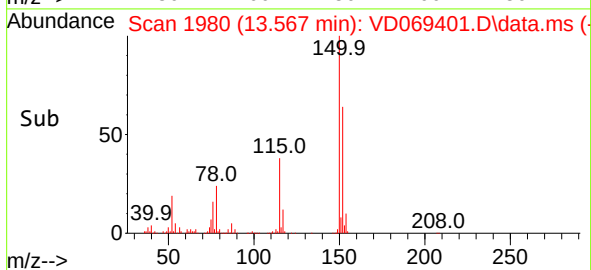
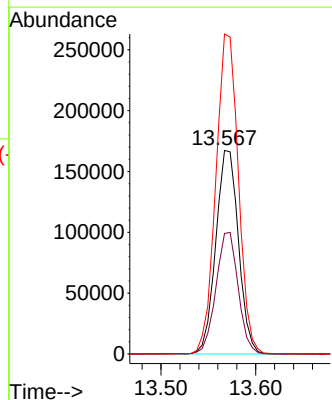
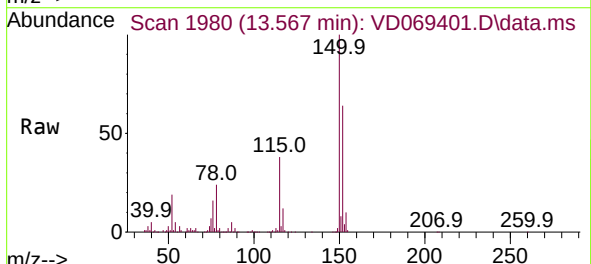
Instrument :
MSVOA_D
ClientSampleId :

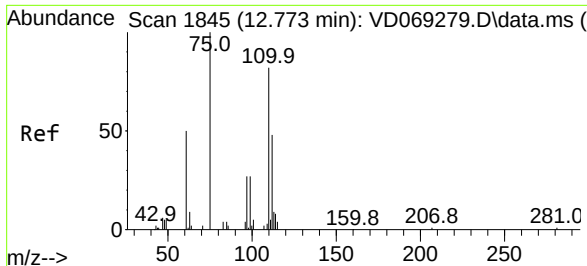
Tgt Ion:117 Resp: 625500
Ion Ratio Lower Upper
117 100
82 51.1 43.3 64.9
119 31.2 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Tgt Ion:152 Resp: 278022
Ion Ratio Lower Upper
152 100
115 58.6 29.4 88.3
150 156.4 0.0 355.0

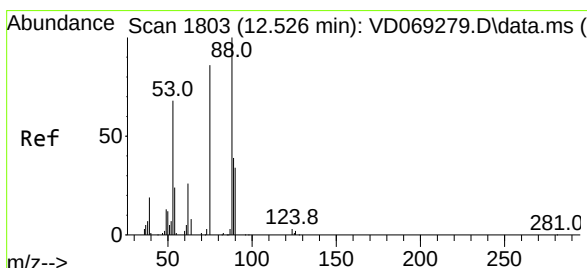
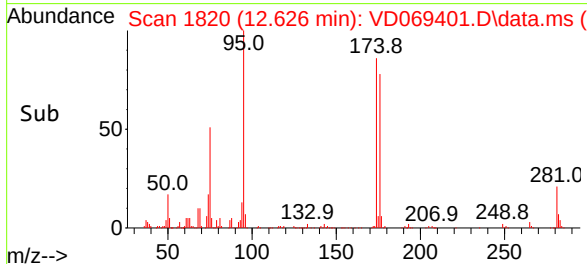
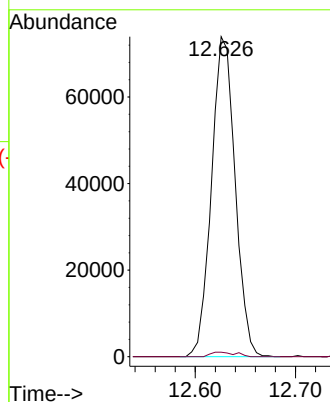
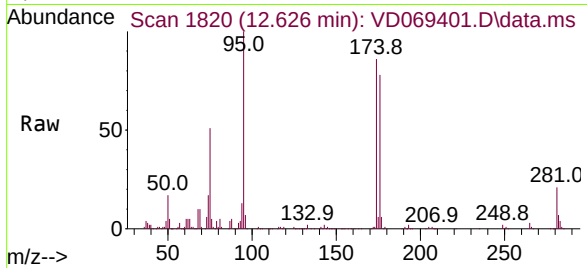




#76
1,2,3-Trichloropropane
Concen: 50.24 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

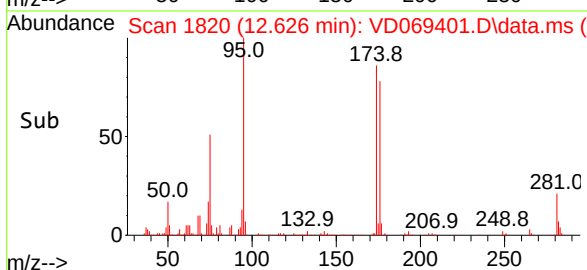
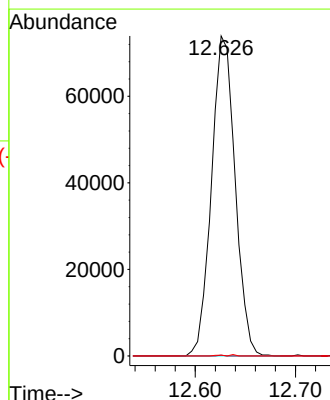
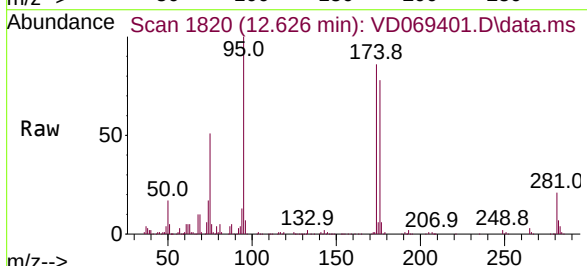
Instrument :
MSVOA_D
ClientSampleId :

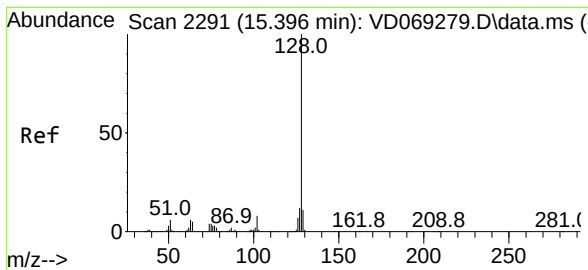
Tgt Ion: 75 Resp: 121350
Ion Ratio Lower Upper
75 100
77 1.5 183.8 551.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.33 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Tgt Ion: 75 Resp: 121350
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.1 35.6 53.4#





#95
Naphthalene
Concen: 3.72 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069401.D
Acq: 09 Jun 2021 13:27

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128	Resp:	4198
Ion Ratio	Lower	Upper
128	100	
127	5.2	10.4 15.6#
129	2.6	8.8 13.2#

