

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
 Data File : VD069322.D
 Acq On : 03 Jun 2021 13:53
 Operator : VA/SY
 Sample : M2580-16
 Misc : 8.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 04 03:01:11 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)

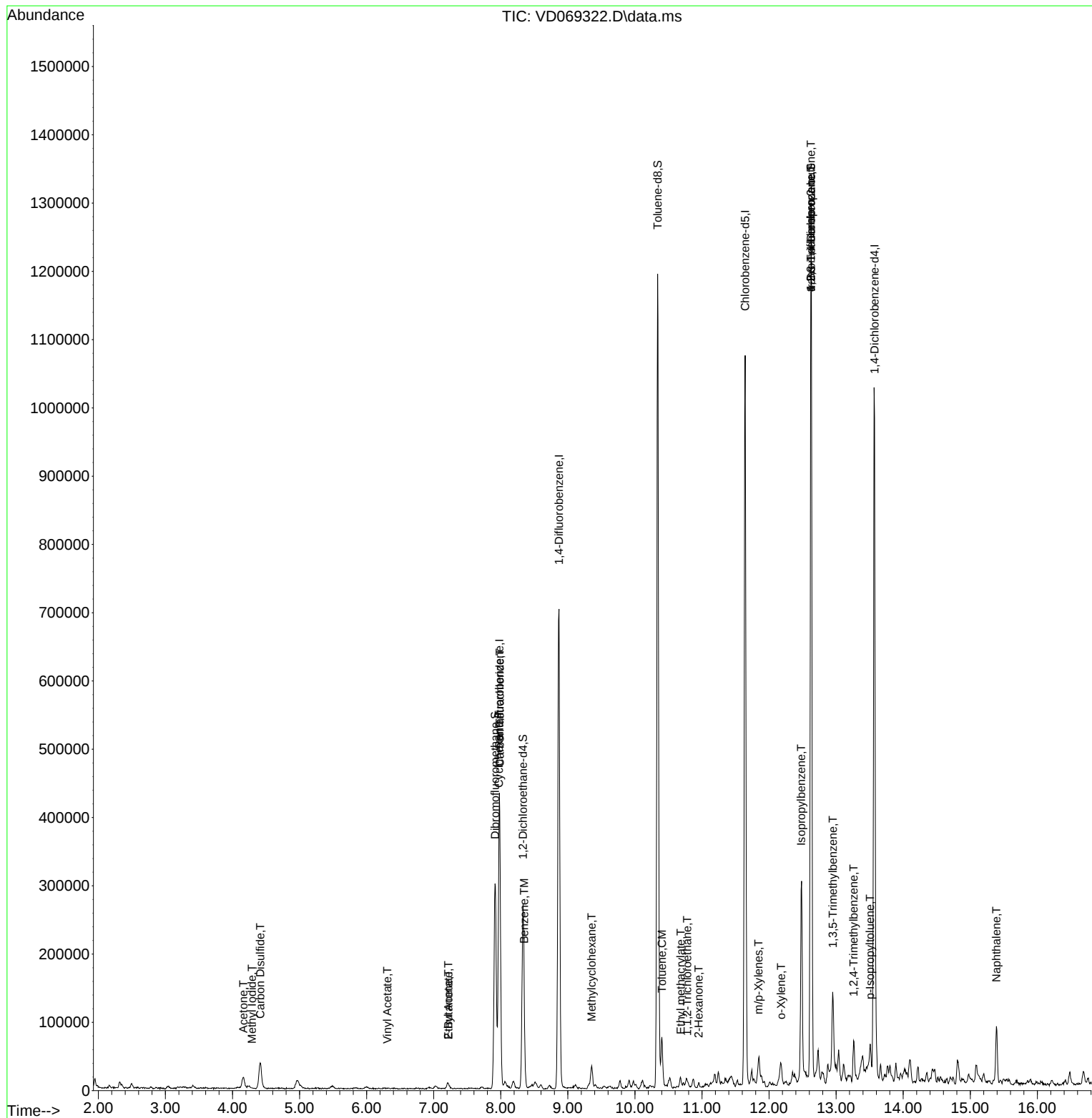
Internal Standards						
1) Pentafluorobenzene	7.979	168	310893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	629142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	649139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	286488	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	208571	69.92	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.84%			
35) Dibromofluoromethane	7.914	113	217907	55.15	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.30%			
50) Toluene-d8	10.338	98	810083	56.39	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 112.78%			
62) 4-Bromofluorobenzene	12.626	95	290969	61.81	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.62%			
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	440	2.63	ug/l #	70
11) Tert butyl alcohol	5.214	59	90	Below Cal	#	73
16) Acetone	4.162	43	29377	56.43	ug/l	94
17) Carbon Disulfide	4.414	76	82126	7.96	ug/l	98
20) Methylene Chloride	4.973	84	10445	Below Cal	#	76
23) Vinyl Acetate	6.308	43	169	11.65	ug/l #	67
25) 2-Butanone	7.220	43	9147	13.35	ug/l	100
31) Cyclohexane	7.973	56	11799	2.49	ug/l #	60
37) Ethyl Acetate	7.220	43	9147	4.41	ug/l #	84
38) Carbon Tetrachloride	7.985	117	30904	4.68	ug/l #	17
39) Methylcyclohexane	9.355	83	12653	2.02	ug/l	86
40) Benzene	8.350	78	22173	1.25	ug/l	92
52) Toluene	10.402	92	29528	2.63	ug/l	97
55) 1,1,2-Trichloroethane	10.779	97	4425	1.32	ug/l #	23
56) Ethyl methacrylate	10.685	69	1954	3.12	ug/l #	1
59) 2-Hexanone	10.949	43	3571	2.74	ug/l #	20
68) m/p-Xylenes	11.843	106	12174	1.36	ug/l	97
69) o-Xylene	12.179	106	9077	1.15	ug/l	98
73) Isopropylbenzene	12.479	105	23285	1.19	ug/l	83
76) 1,2,3-Trichloropropane	12.626	75	144073	57.88	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	22512	1.36	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.626	75	144073	128.27	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.261	105	36030	2.18	ug/l	98
86) p-Isopropyltoluene	13.508	119	19628	1.09	ug/l	88
95) Naphthalene	15.390	128	76432	10.60	ug/l	98

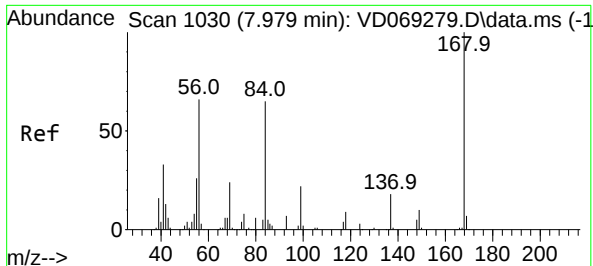
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060321\
Data File : VD069322.D
Acq On : 03 Jun 2021 13:53
Operator : VA/SY
Sample : M2580-16
Misc : 8.64G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 04 03:01:11 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

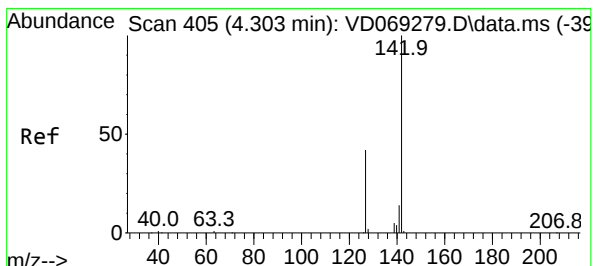
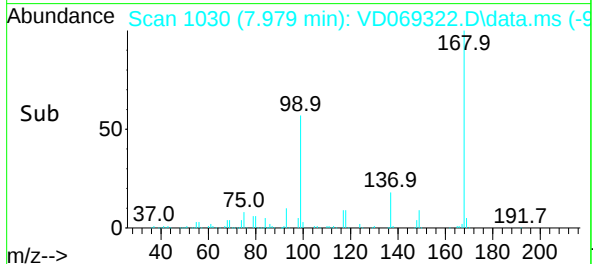
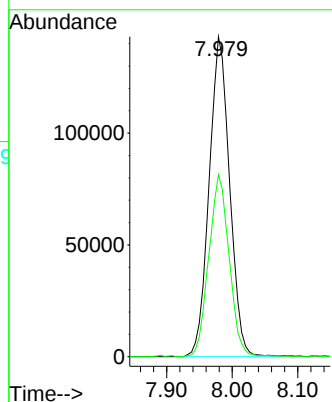
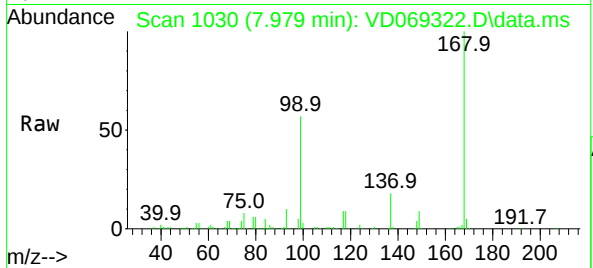




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

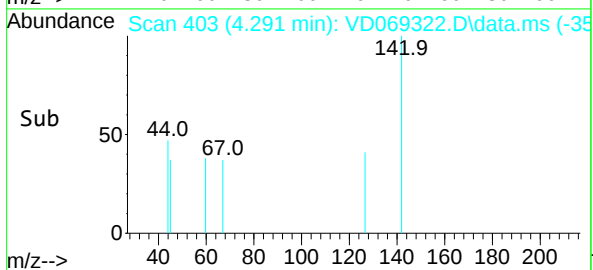
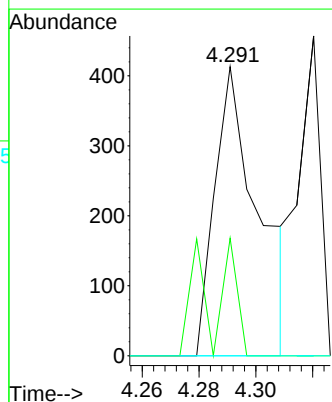
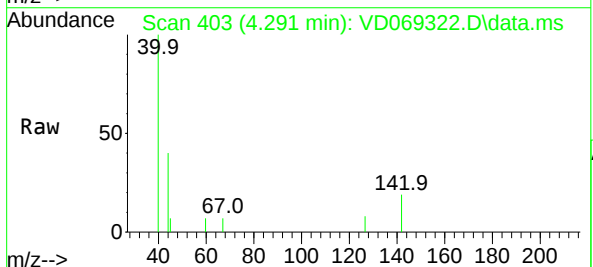
Instrument :
MSVOA_D
ClientSampleId :

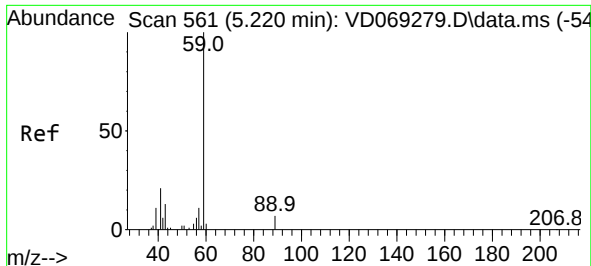
Tgt Ion:168 Resp: 310893
Ion Ratio Lower Upper
168 100
99 56.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.63 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion:142 Resp: 440
Ion Ratio Lower Upper
142 100
127 26.8 36.2 54.2#
141 0.0 12.2 18.2#

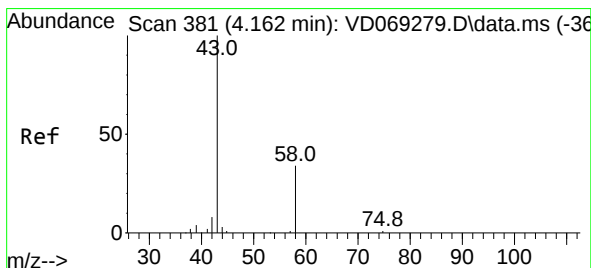
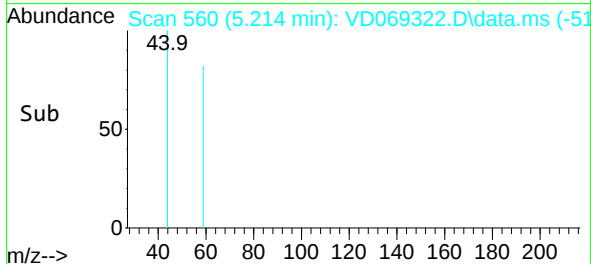
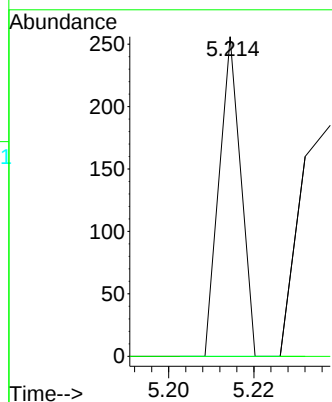
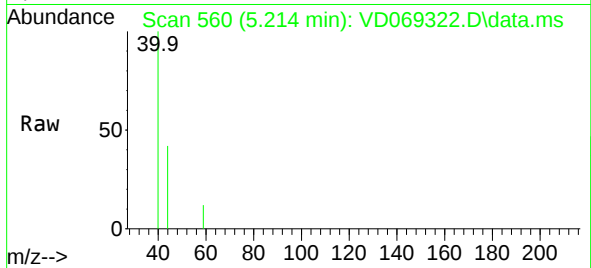




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

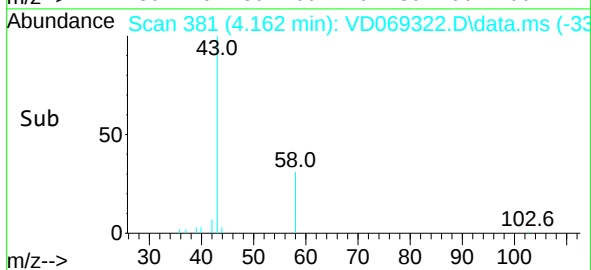
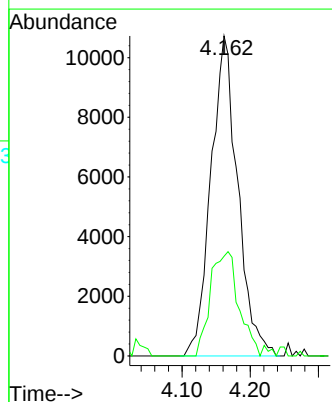
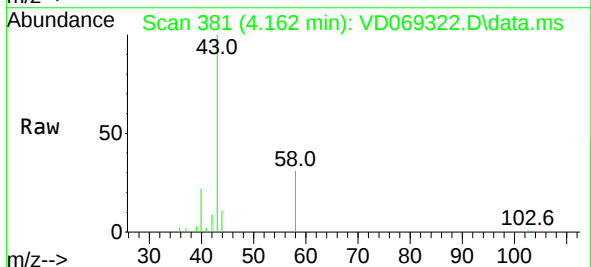
Instrument :
MSVOA_D
ClientSampled :

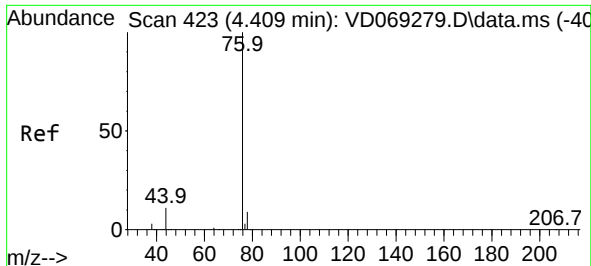
Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 56.43 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

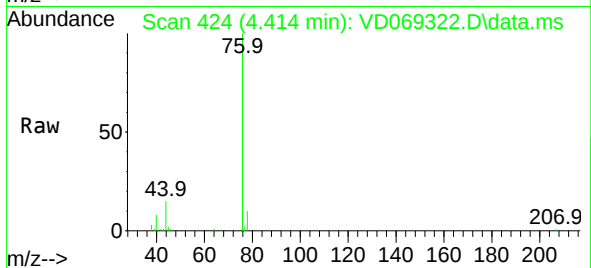
Tgt Ion: 43 Resp: 29377
Ion Ratio Lower Upper
43 100
58 31.2 27.5 41.3



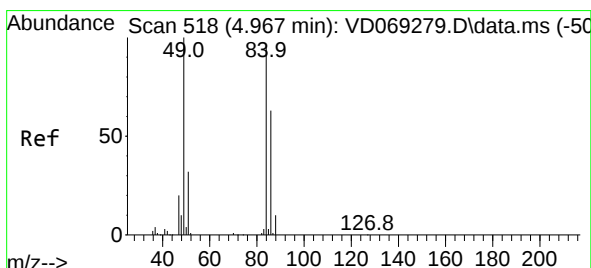
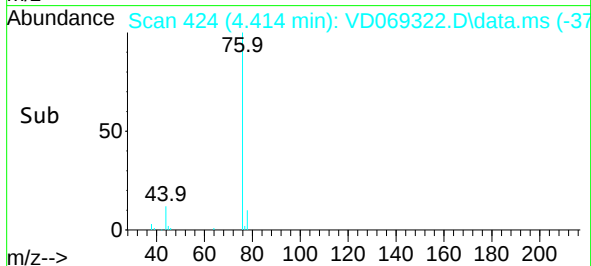
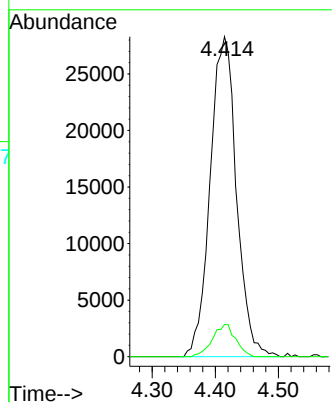


#17
Carbon Disulfide
Concen: 7.96 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Instrument :
MSVOA_D
ClientSampleId :

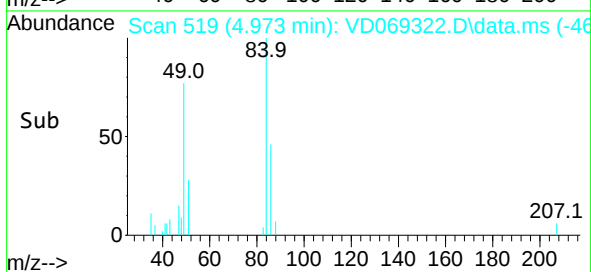
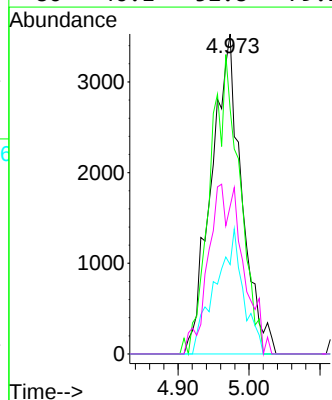
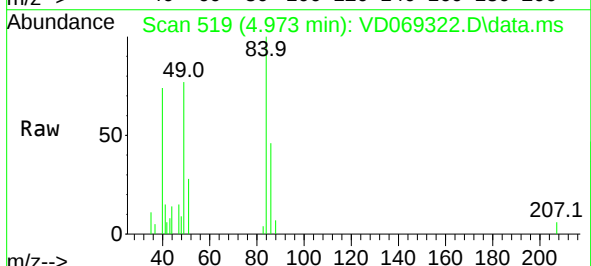


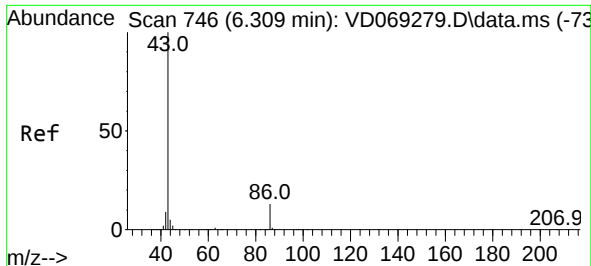
Tgt Ion: 76 Resp: 82126
Ion Ratio Lower Upper
76 100
78 10.0 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion: 84 Resp: 10445
Ion Ratio Lower Upper
84 100
49 76.6 83.7 125.5#
51 28.0 26.4 39.6
86 46.1 52.8 79.2#

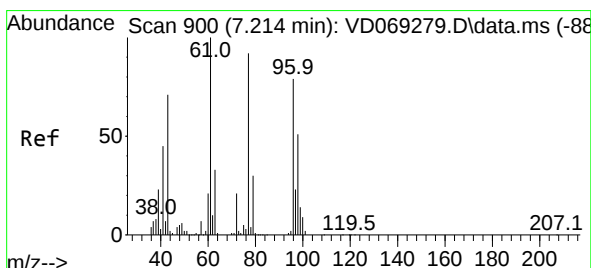
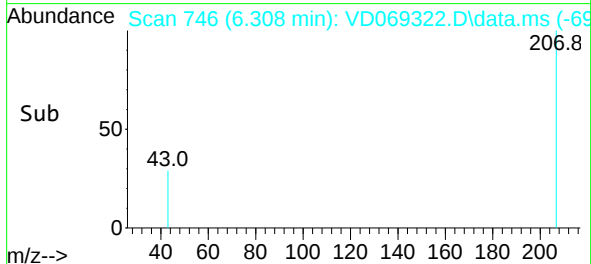
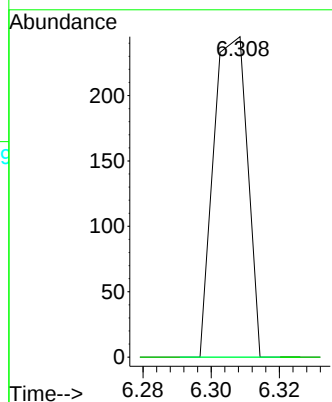
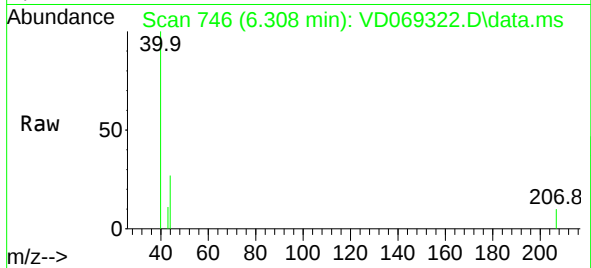




#23
 Vinyl Acetate
 Concen: 11.65 ug/l
 RT: 6.308 min Scan# 746
 Delta R.T. -0.001 min
 Lab File: VD069322.D
 Acq: 03 Jun 2021 13:53

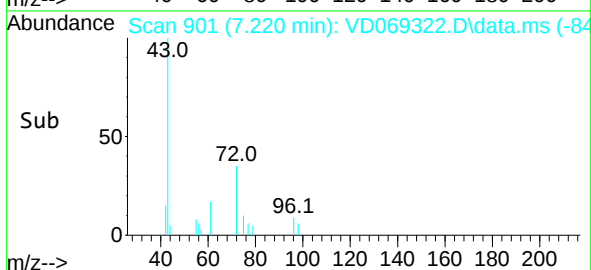
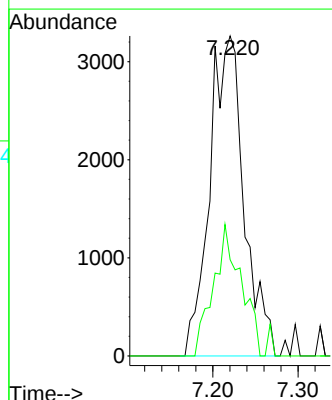
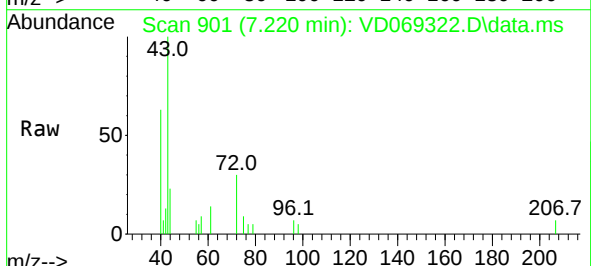
Instrument :
 MSVOA_D
 ClientSampleId :

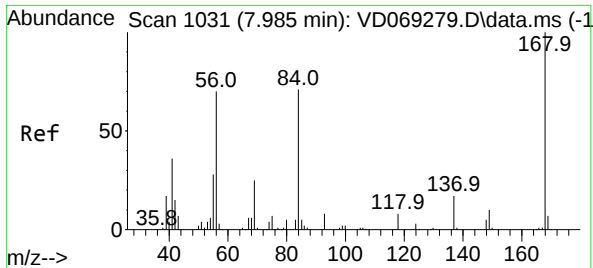
Tgt Ion: 43 Resp: 169
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 13.35 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069322.D
 Acq: 03 Jun 2021 13:53

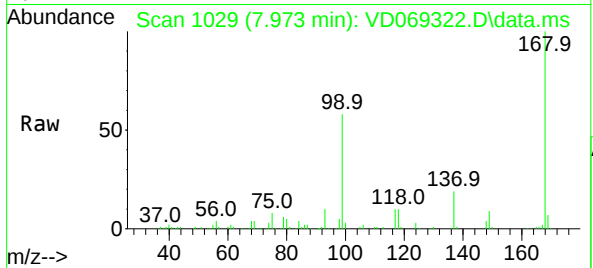
Tgt Ion: 43 Resp: 9147
 Ion Ratio Lower Upper
 43 100
 72 30.1 23.9 35.9



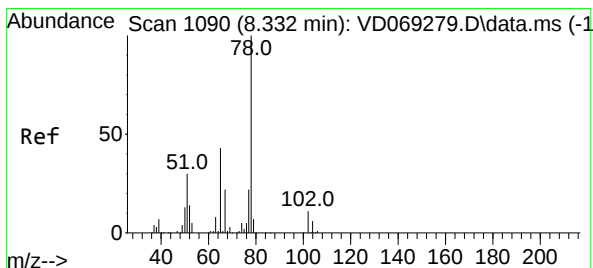
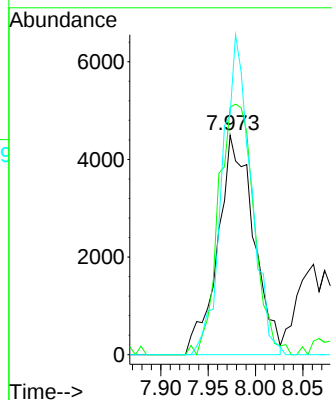
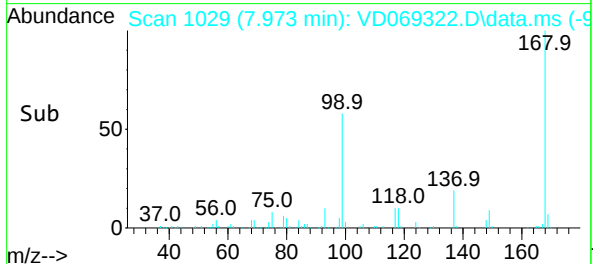


#31
Cyclohexane
Concen: 2.49 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

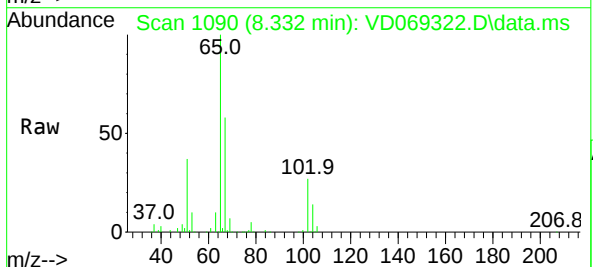
Instrument :
MSVOA_D
ClientSampled :



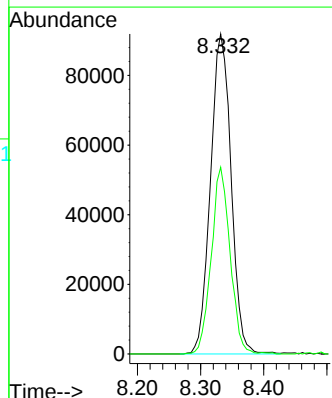
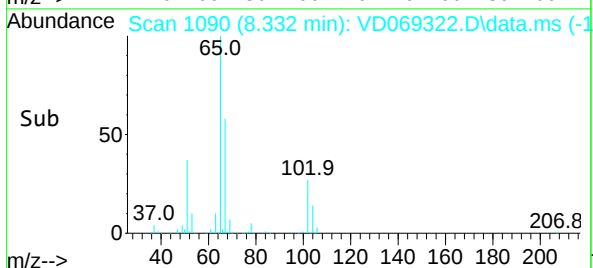
Tgt Ion: 56 Resp: 11799
Ion Ratio Lower Upper
56 100
69 112.7 29.0 43.4#
84 109.3 81.1 121.7

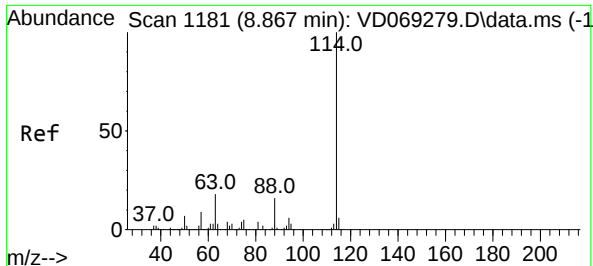


#33
1,2-Dichloroethane-d4
Concen: 69.92 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53



Tgt Ion: 65 Resp: 208571
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.8



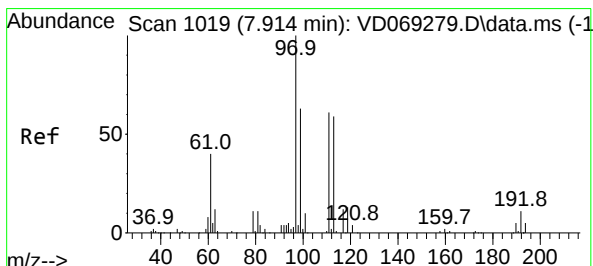
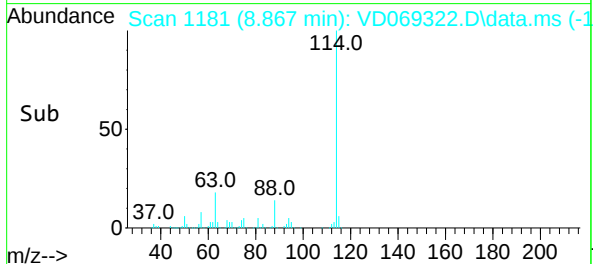
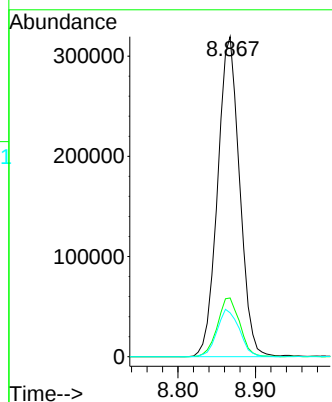
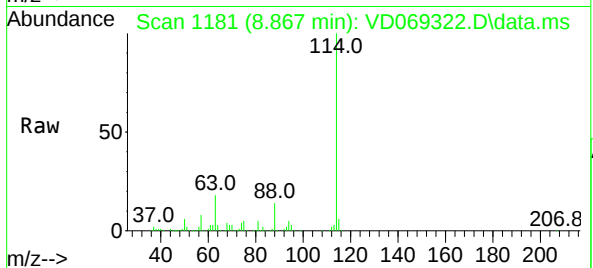


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Instrument :
MSVOA_D
ClientSampled :

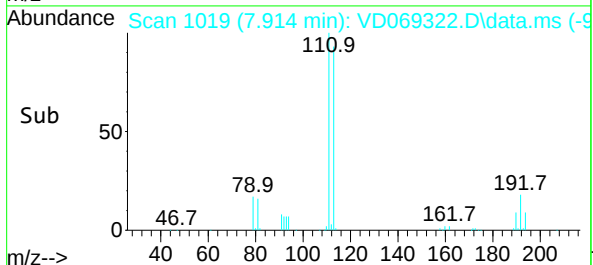
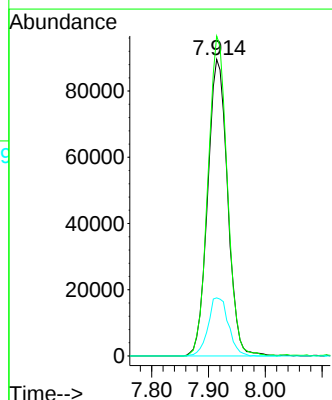
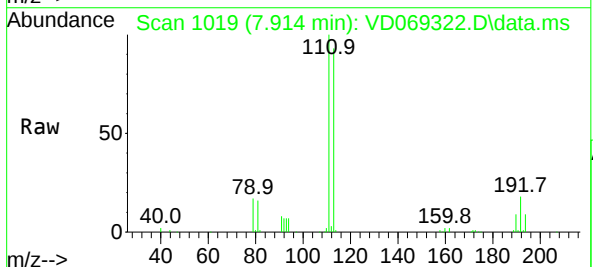
Tgt Ion:	114	Resp:	629142
Ion Ratio	Lower	Upper	
114	100		
63	18.4	0.0	35.6
88	13.7	0.0	31.2

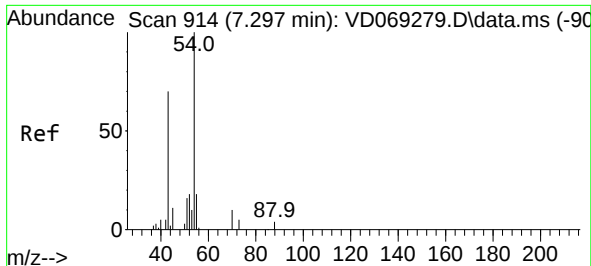


#35

Dibromofluoromethane
Concen: 55.15 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion:	113	Resp:	217907
Ion Ratio	Lower	Upper	
113	100		
111	104.7	83.0	124.6
192	20.0	15.1	22.7





#37

Ethyl Acetate

Concen: 4.41 ug/l

RT: 7.220 min Scan# 901

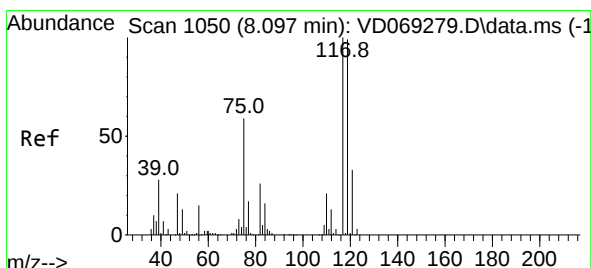
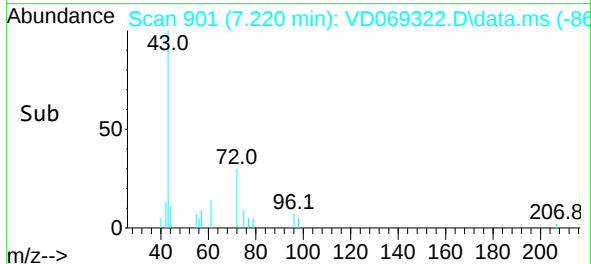
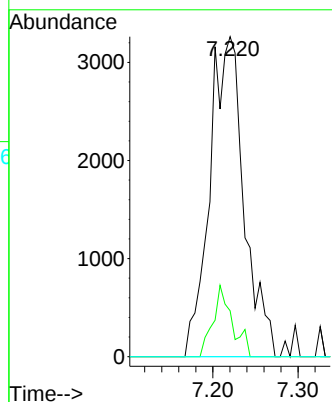
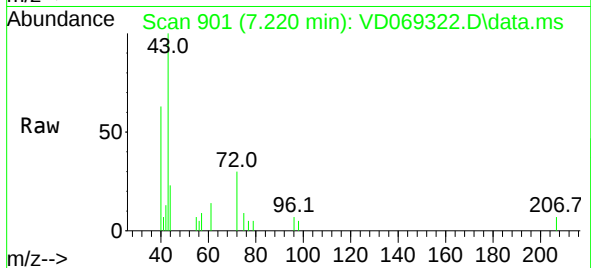
Delta R.T. -0.077 min

Lab File: VD069322.D

Acq: 03 Jun 2021 13:53

Tgt Ion:	43	Resp:	9147
Ion	Ratio	Lower	Upper
43	100		
61	12.5	11.0	16.6
70	0.0	9.7	14.5#

Instrument :
MSVOA_D
ClientSampled :



#38

Carbon Tetrachloride

Concen: 4.68 ug/l

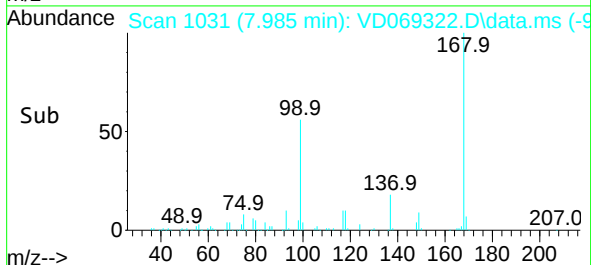
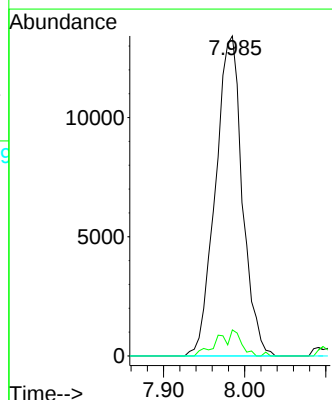
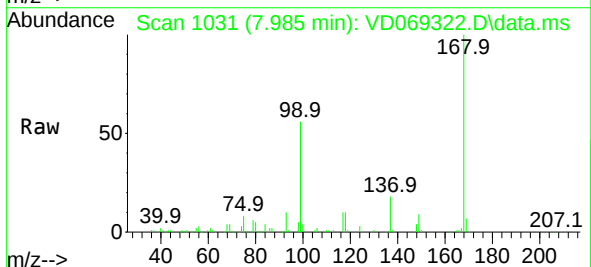
RT: 7.985 min Scan# 1031

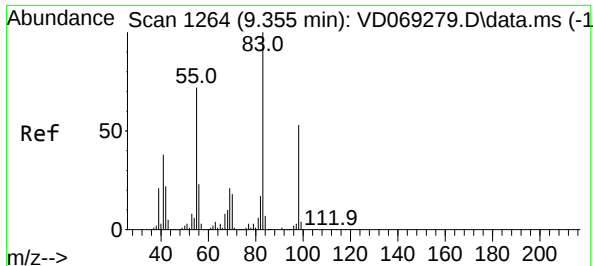
Delta R.T. -0.112 min

Lab File: VD069322.D

Acq: 03 Jun 2021 13:53

Tgt Ion:	117	Resp:	30904
Ion	Ratio	Lower	Upper
117	100		
119	8.2	79.4	119.2#
121	0.0	26.1	39.1#





#39

Methylcyclohexane

Concen: 2.02 ug/l

RT: 9.355 min Scan# 1264

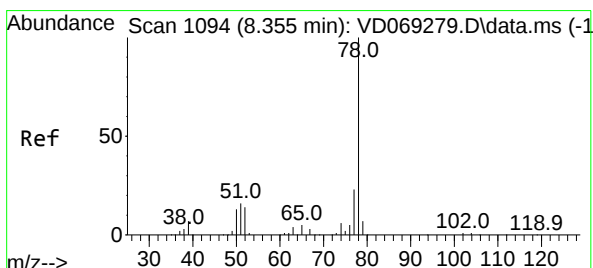
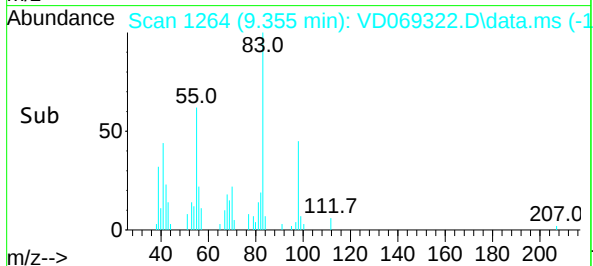
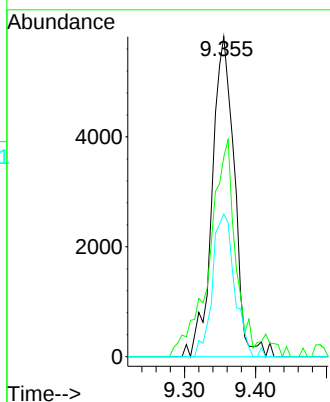
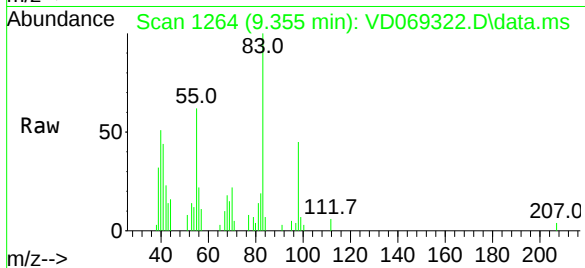
Delta R.T. -0.000 min

Lab File: VD069322.D

Acq: 03 Jun 2021 13:53

Tgt Ion:	83	Resp:	12653
Ion	Ratio	Lower	Upper
83	100		
55	58.6	57.4	86.2
98	44.6	42.2	63.2

Instrument :
MSVOA_D
ClientSampled :



#40

Benzene

Concen: 1.25 ug/l

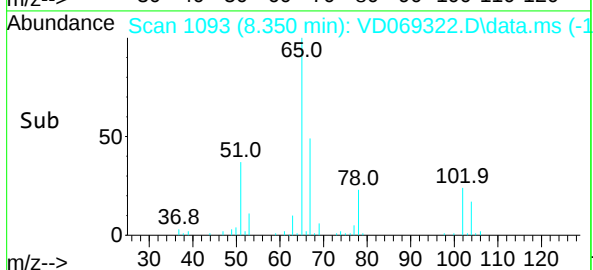
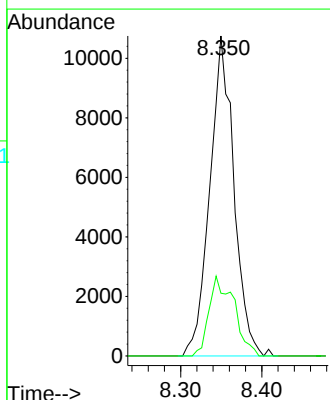
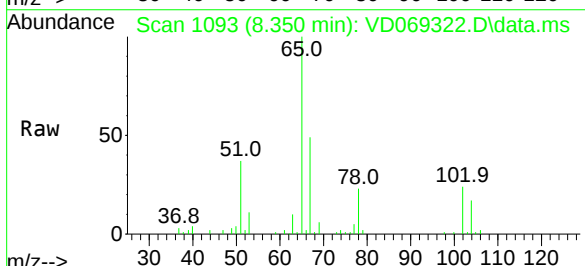
RT: 8.350 min Scan# 1093

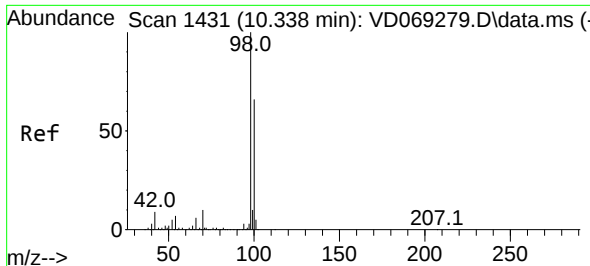
Delta R.T. -0.006 min

Lab File: VD069322.D

Acq: 03 Jun 2021 13:53

Tgt Ion:	78	Resp:	22173
Ion	Ratio	Lower	Upper
78	100		
77	19.6	18.7	28.1

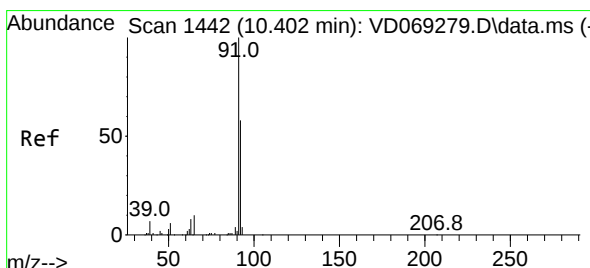
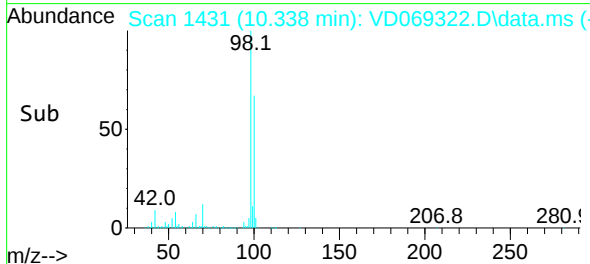
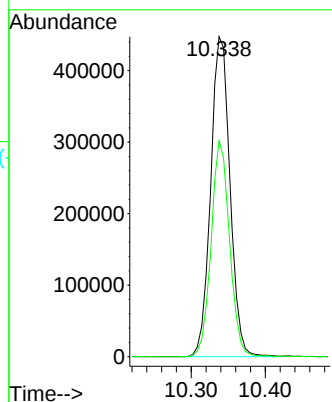
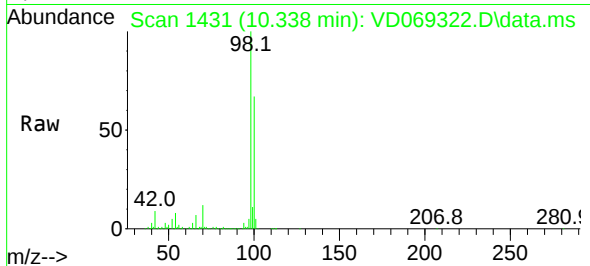




#50
Toluene-d8
Concen: 56.39 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

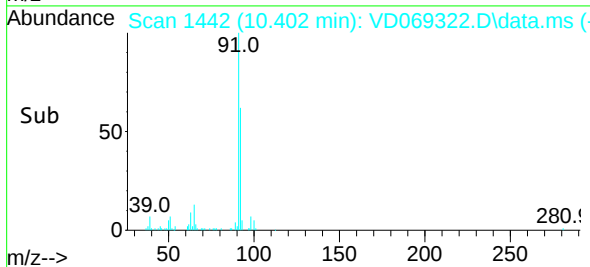
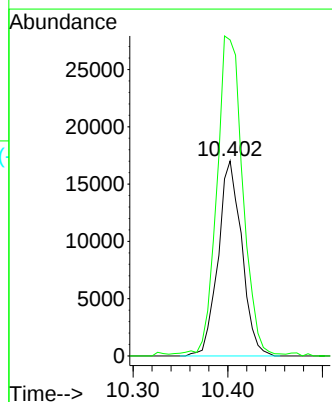
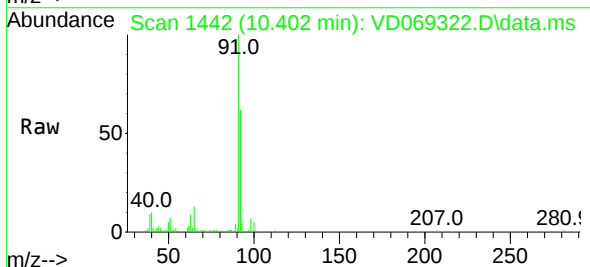
Instrument :
MSVOA_D
ClientSampled :

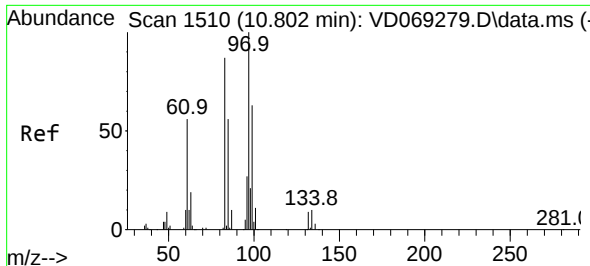
Tgt Ion: 98 Resp: 810083
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#52
Toluene
Concen: 2.63 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion: 92 Resp: 29528
Ion Ratio Lower Upper
92 100
91 177.0 138.4 207.6

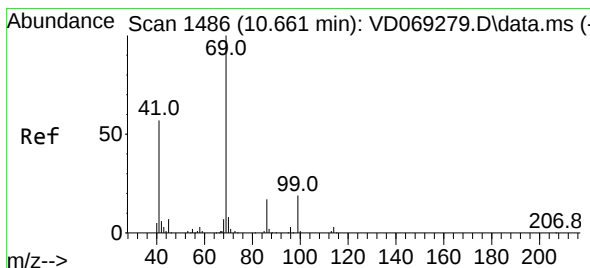
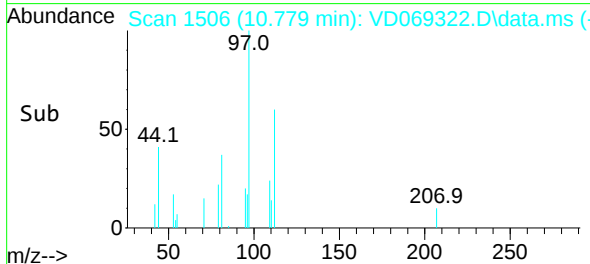
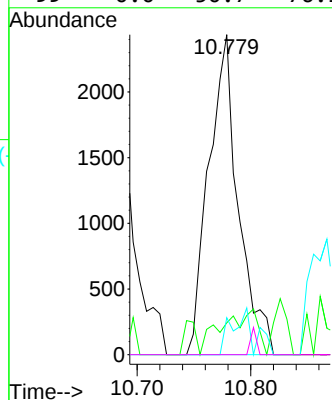
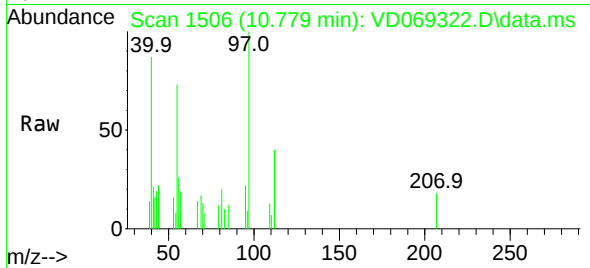




#55
1,1,2-Trichloroethane
Concen: 1.32 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.024 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

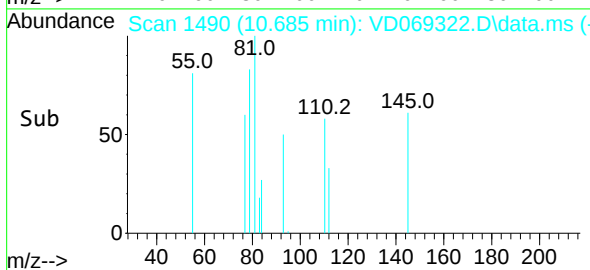
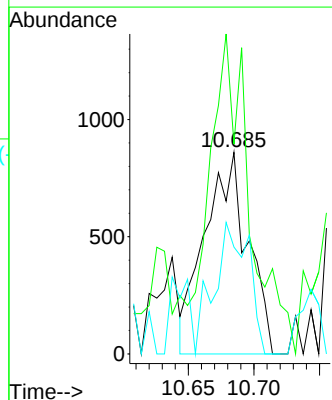
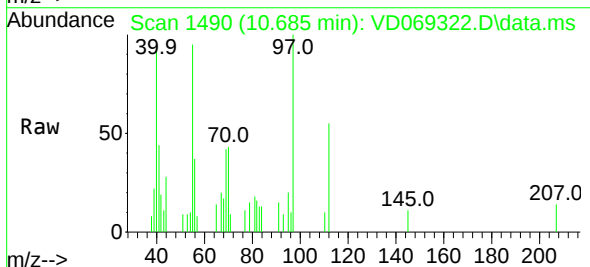
Instrument :
MSVOA_D
ClientSampleId :

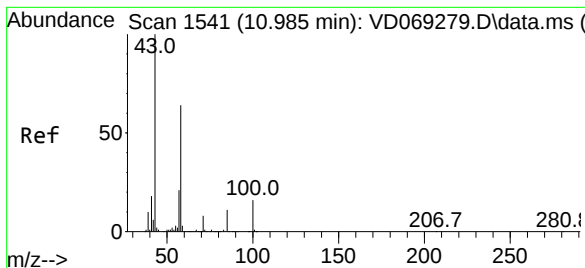
Tgt Ion: 97	Resp: 4425
Ion Ratio	Lower Upper
97 100	
83 10.0	69.4 104.0#
85 11.6	44.5 66.7#
99 0.0	50.7 76.1#



#56
Ethyl methacrylate
Concen: 3.12 ug/l
RT: 10.685 min Scan# 1490
Delta R.T. 0.024 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion: 69	Resp: 1954
Ion Ratio	Lower Upper
69 100	
41 146.7	45.4 68.2#
39 52.4	21.7 32.5#

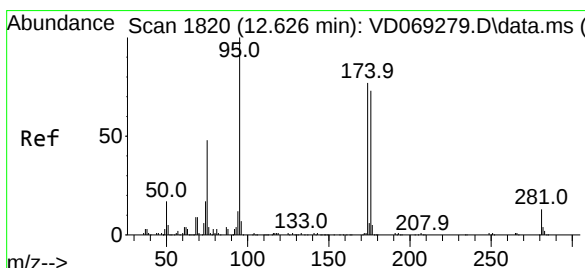
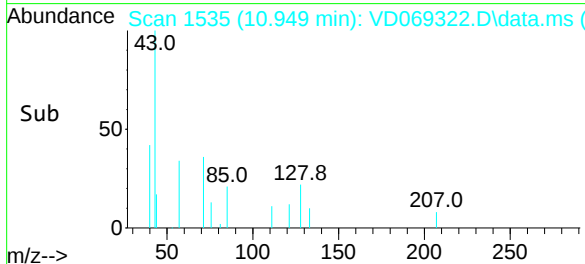
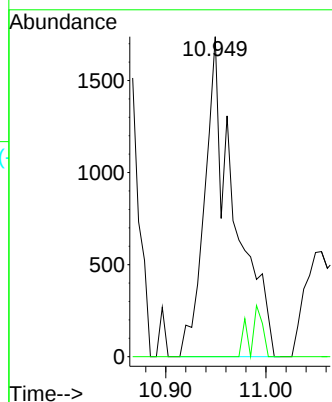
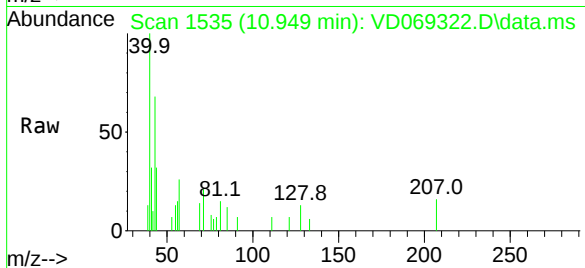




#59
2-Hexanone
Concen: 2.74 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.035 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

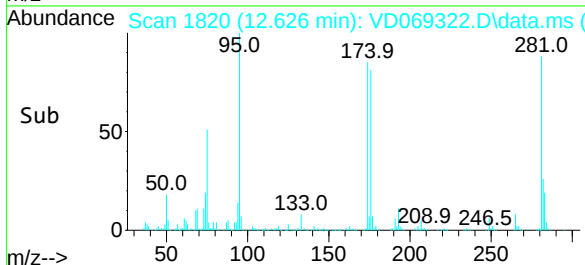
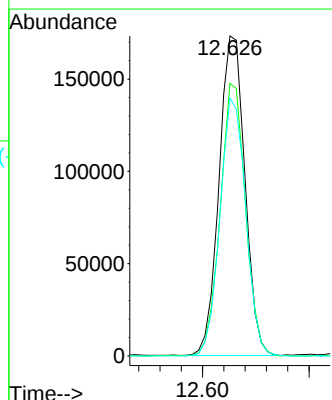
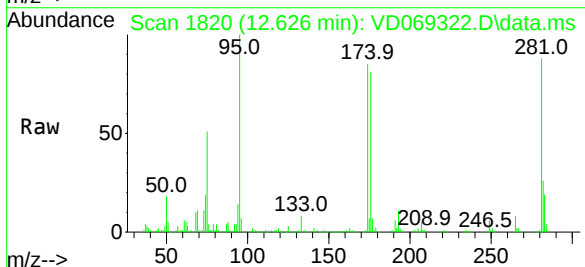
Instrument :
MSVOA_D
ClientSampleId :

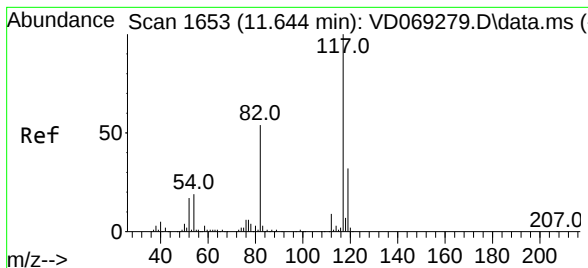
Tgt Ion: 43 Resp: 3571
Ion Ratio Lower Upper
43 100
58 0.0 30.8 92.3#



#62
4-Bromofluorobenzene
Concen: 61.81 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion: 95 Resp: 290969
Ion Ratio Lower Upper
95 100
174 83.5 0.0 162.8
176 80.4 0.0 154.4

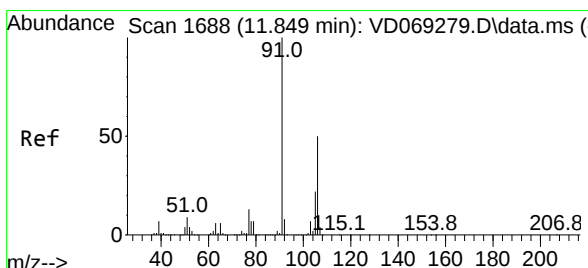
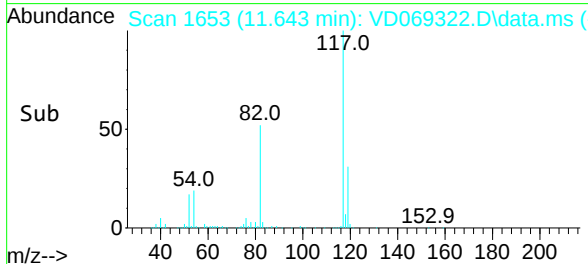
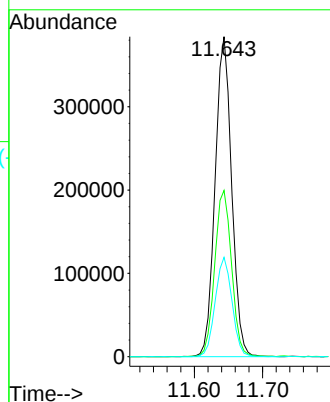
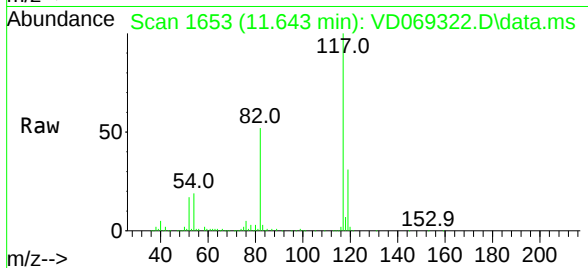




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

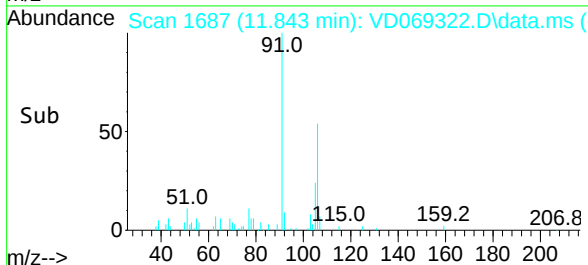
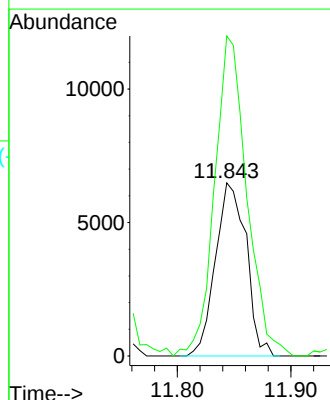
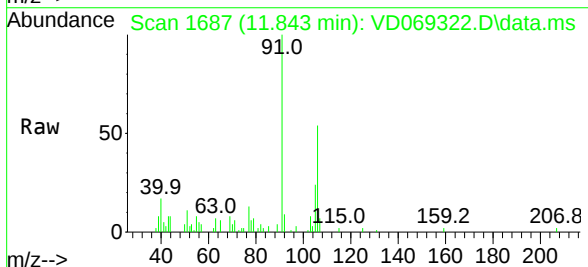
Instrument :
MSVOA_D
ClientSampleId :

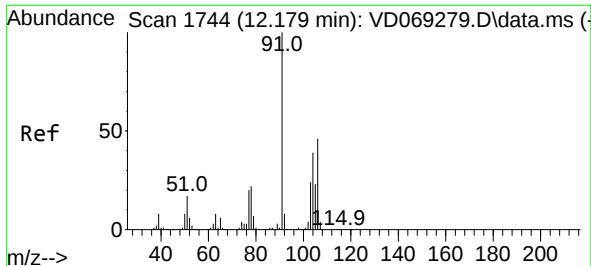
Tgt Ion:117 Resp: 649139
Ion Ratio Lower Upper
117 100
82 51.9 43.3 64.9
119 31.1 25.3 37.9



#68
m/p-Xylenes
Concen: 1.36 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion:106 Resp: 12174
Ion Ratio Lower Upper
106 100
91 194.1 158.3 237.5

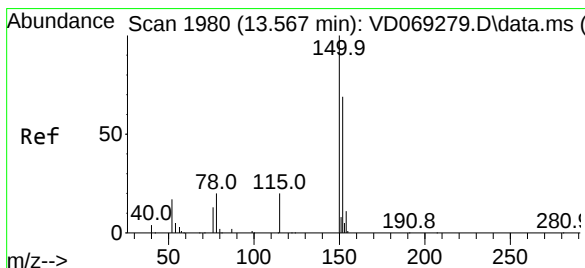
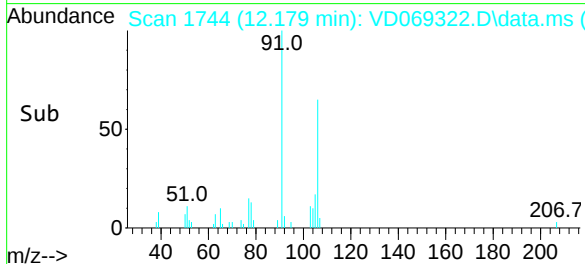
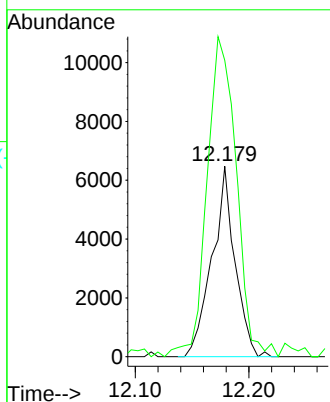
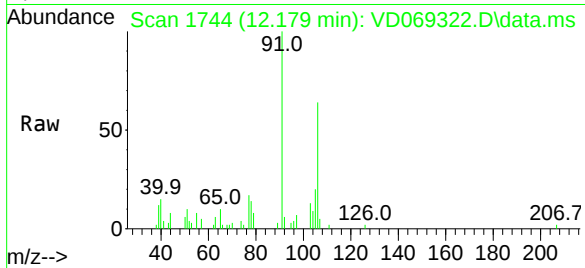




#69
o-Xylene
Concen: 1.15 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

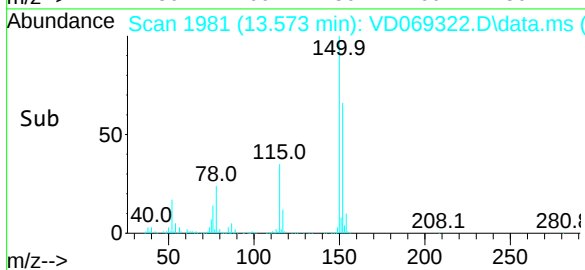
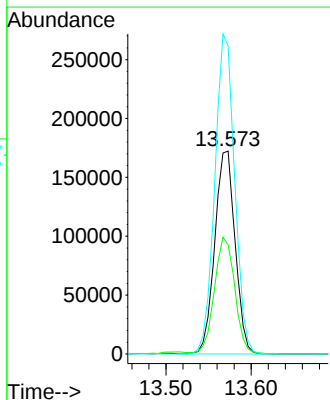
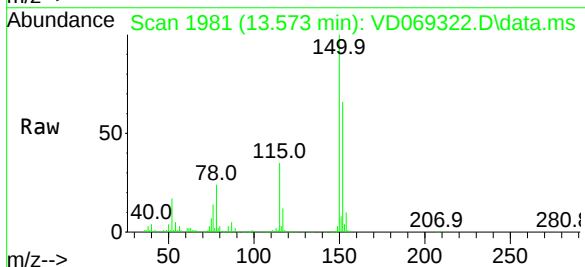
Instrument :
MSVOA_D
ClientSampleId :

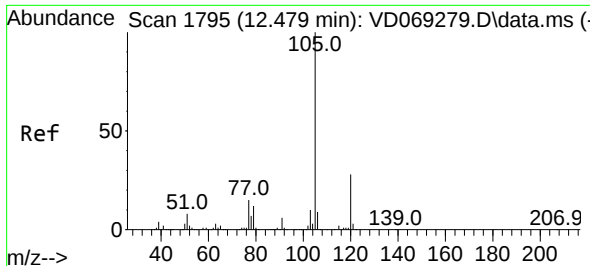
Tgt Ion:106 Resp: 9077
Ion Ratio Lower Upper
106 100
91 214.7 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion:152 Resp: 286488
Ion Ratio Lower Upper
152 100
115 57.7 29.4 88.3
150 153.4 0.0 355.0

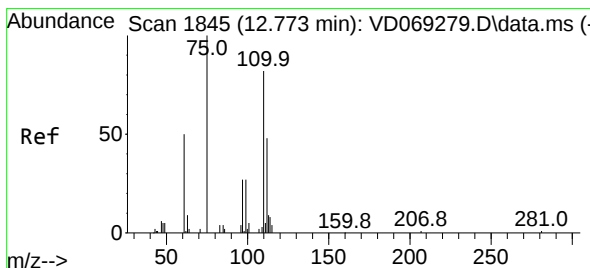
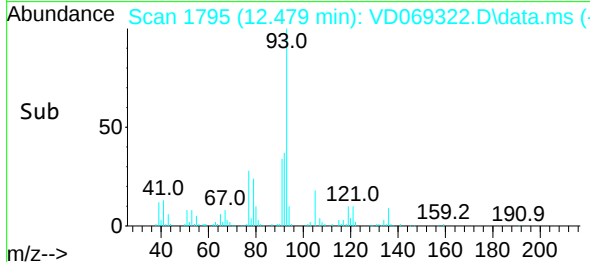
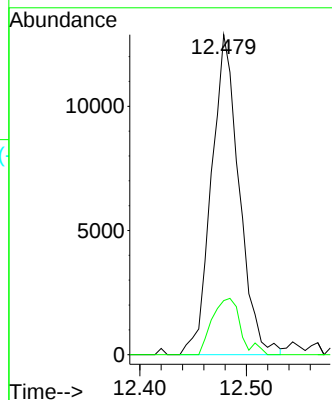
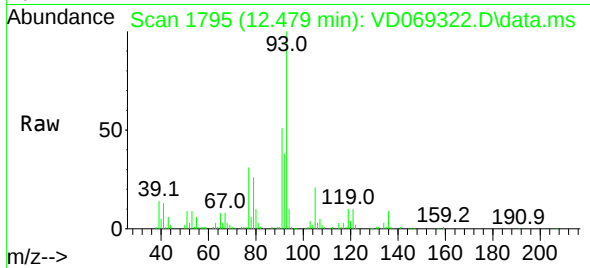




#73
Isopropylbenzene
Concen: 1.19 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

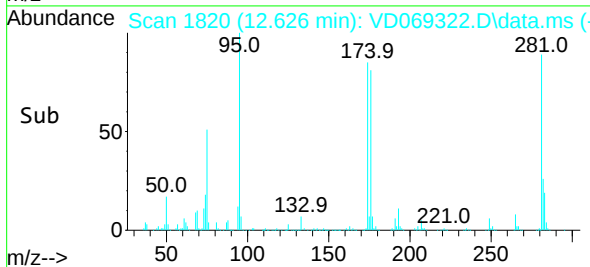
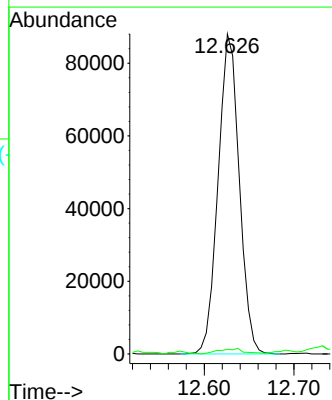
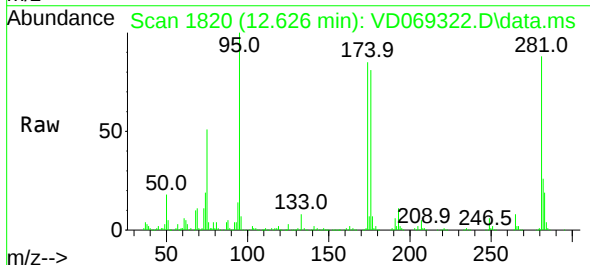
Instrument :
MSVOA_D
ClientSampleId :

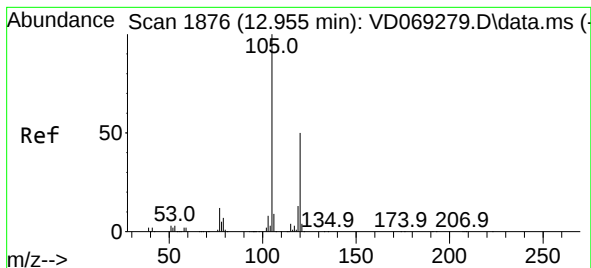
Tgt Ion:105 Resp: 23285
Ion Ratio Lower Upper
105 100
120 18.0 13.5 40.5



#76
1,2,3-Trichloropropane
Concen: 57.88 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion: 75 Resp: 144073
Ion Ratio Lower Upper
75 100
77 2.1 183.8 551.2#





#80

1,3,5-Trimethylbenzene

Concen: 1.36 ug/l

RT: 12.949 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VD069322.D

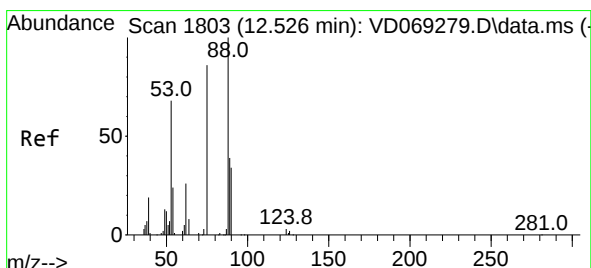
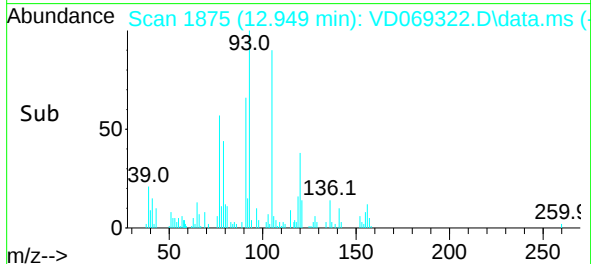
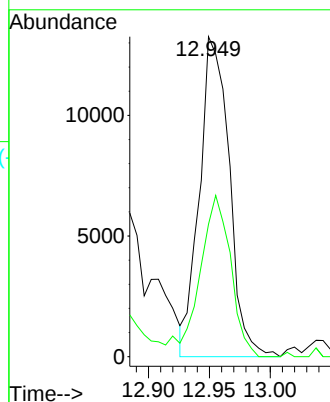
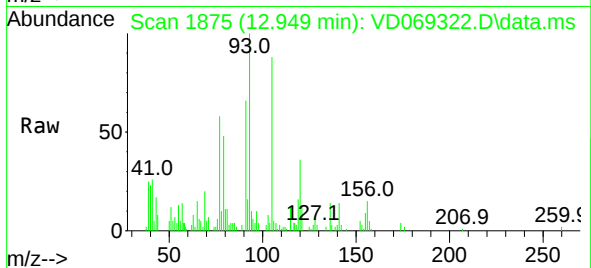
Acq: 03 Jun 2021 13:53

Tgt Ion:105 Resp: 22512

Ion Ratio Lower Upper

105 100

120 52.4 24.9 74.7



#81

trans-1,4-Dichloro-2-butene

Concen: 128.27 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.100 min

Lab File: VD069322.D

Acq: 03 Jun 2021 13:53

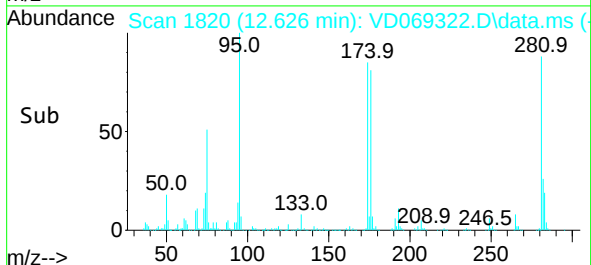
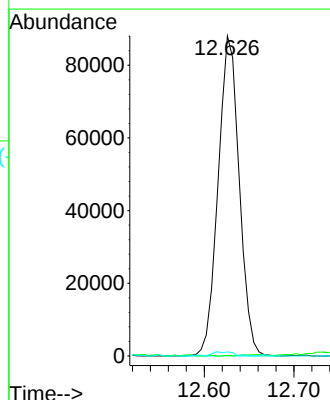
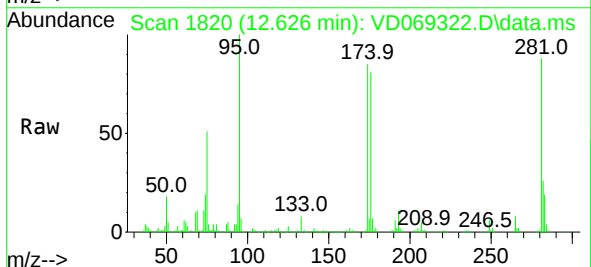
Tgt Ion: 75 Resp: 144073

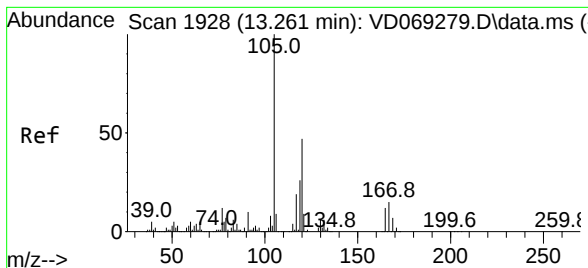
Ion Ratio Lower Upper

75 100

53 0.0 62.6 94.0#

89 1.3 35.6 53.4#

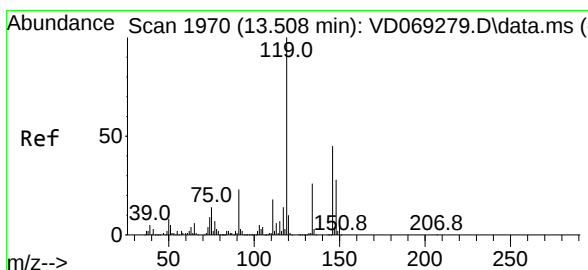
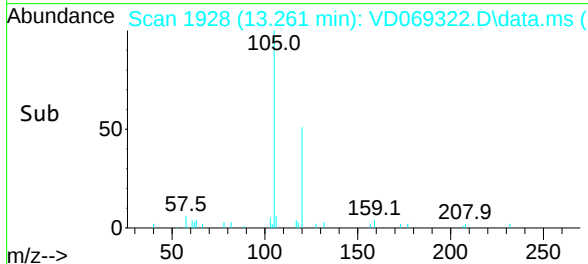
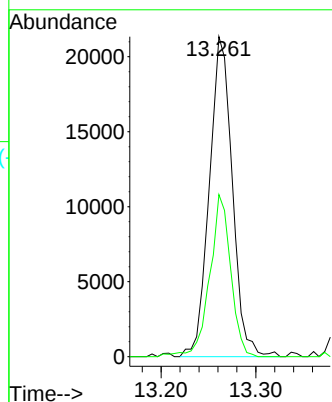
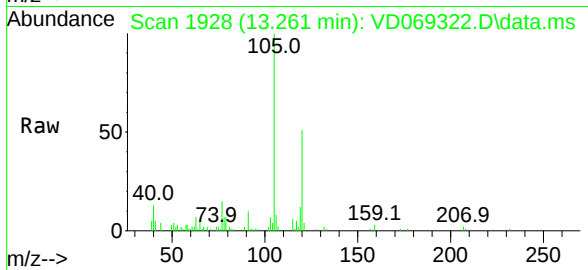




#84
1,2,4-Trimethylbenzene
Concen: 2.18 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

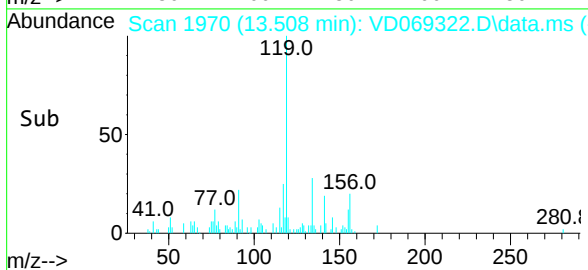
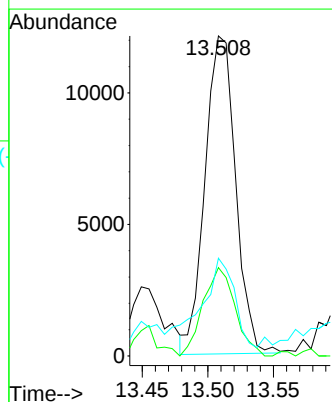
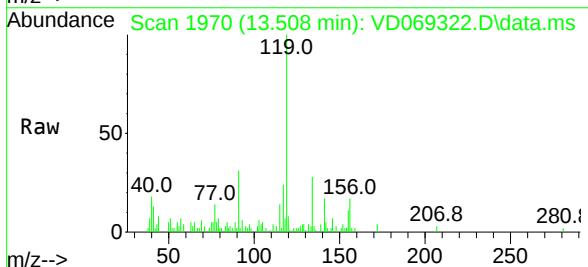
Instrument :
MSVOA_D
ClientSampleId :

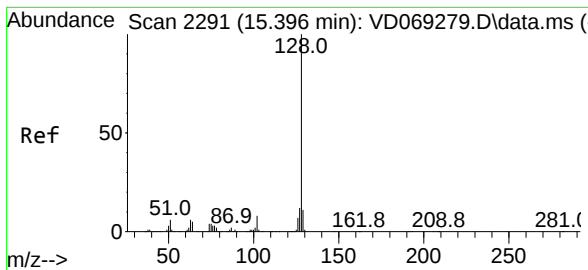
Tgt Ion:105 Resp: 36030
Ion Ratio Lower Upper
105 100
120 46.2 22.6 67.8



#86
p-Isopropyltoluene
Concen: 1.09 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. -0.000 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Tgt Ion:119 Resp: 19628
Ion Ratio Lower Upper
119 100
134 29.2 13.0 39.0
91 31.8 11.3 33.8





#95
Naphthalene
Concen: 10.60 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069322.D
Acq: 03 Jun 2021 13:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 76432
Ion Ratio Lower Upper
128 100
127 13.5 10.4 15.6
129 11.8 8.8 13.2

