

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061721\
 Data File : VD069479.D
 Acq On : 17 Jun 2021 14:53
 Operator : VA/SY
 Sample : M2709-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 18 01:26:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 11 12:50:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

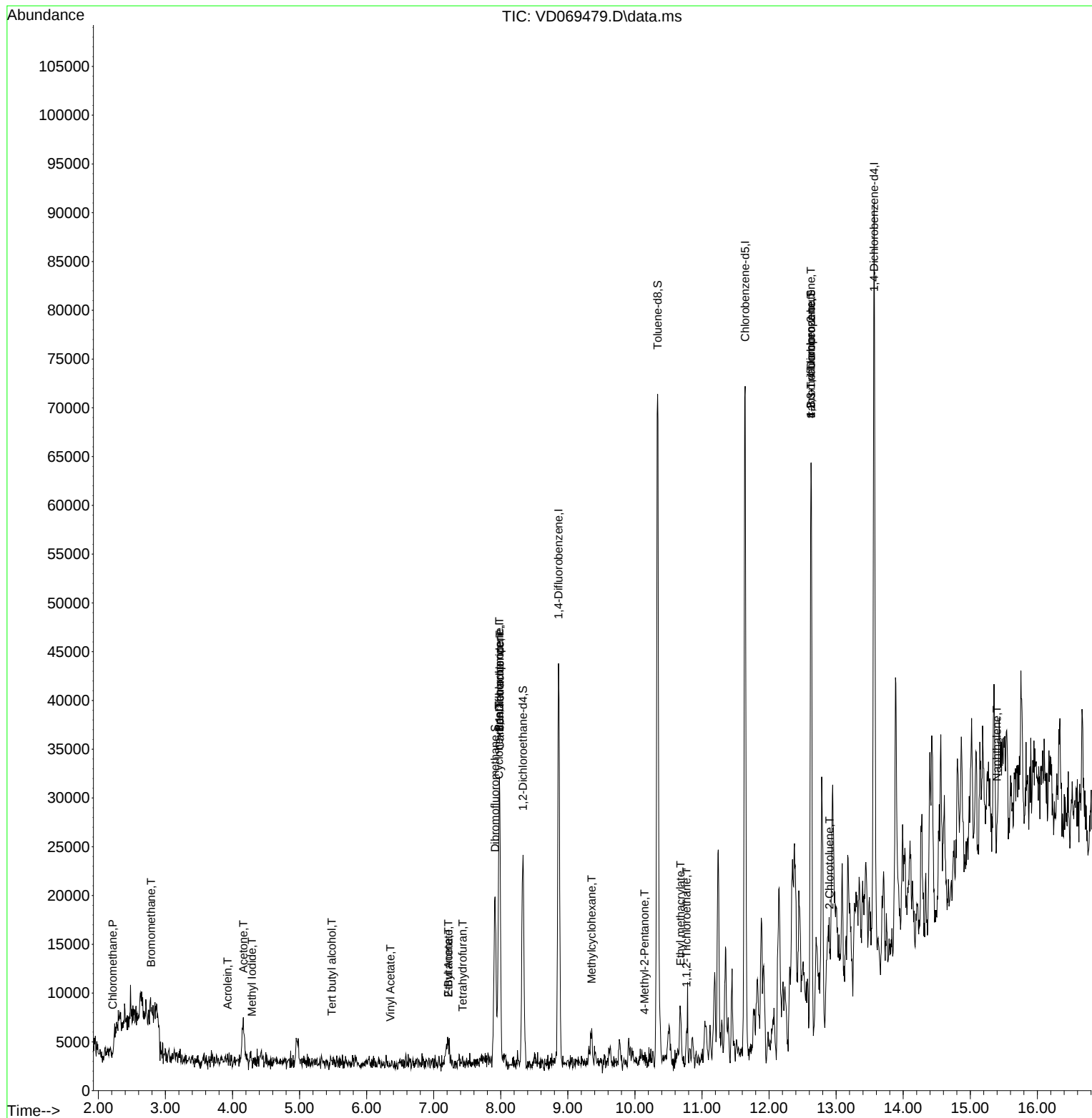
Internal Standards						
1) Pentafluorobenzene	7.979	168	20849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	34966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	41666	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	21526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	16765	71.277	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.560%	
35) Dibromofluoromethane	7.914	113	12408	47.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.760%	
50) Toluene-d8	10.338	98	44469	46.425	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.840%	
62) 4-Bromofluorobenzene	12.626	95	18356	59.724	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 119.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	366	1.761	ug/l #	71
5) Bromomethane	2.785	94	1023	4.159	ug/l	93
10) Methyl Iodide	4.291	142	148	3.882	ug/l #	39
11) Tert butyl alcohol	5.479	59	53	4.334	ug/l #	73
13) Acrolein	3.926	56	112	7.347	ug/l #	16
16) Acetone	4.162	43	7386	189.712	ug/l	92
20) Methylene Chloride	4.967	84	1068	Below Cal	#	79
23) Vinyl Acetate	6.356	43	64	17.756	ug/l #	67
25) 2-Butanone	7.220	43	2315	47.686	ug/l	93
29) Tetrahydrofuran	7.432	42	57	2.086	ug/l #	27
31) Cyclohexane	7.973	56	435	1.361	ug/l #	83
36) 1,1-Dichloropropene	7.979	75	2064	5.669	ug/l #	44
37) Ethyl Acetate	7.220	43	2315	19.005	ug/l #	67
38) Carbon Tetrachloride	7.985	117	2625	6.656	ug/l #	11
39) Methylcyclohexane	9.355	83	1263	3.449	ug/l #	69
51) 4-Methyl-2-Pentanone	10.144	43	700	5.957	ug/l #	32
55) 1,1,2-Trichloroethane	10.767	97	1358	6.628	ug/l #	15
56) Ethyl methacrylate	10.679	69	455	4.658	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	9199	42.151	ug/l #	1
79) 2-Chlorotoluene	12.902	91	1146	1.086	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.626	75	9199	112.449	ug/l #	23
95) Naphthalene	15.396	128	188	3.805	ug/l #	57

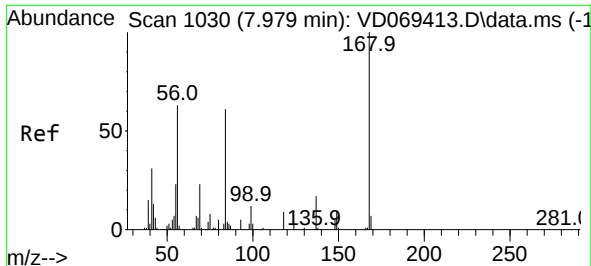
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 01:26:39 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061121S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 11 12:50:13 2021
Response via : Initial Calibration

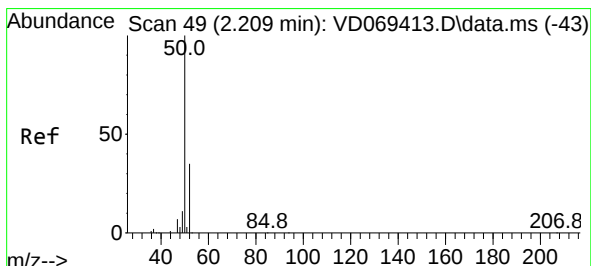
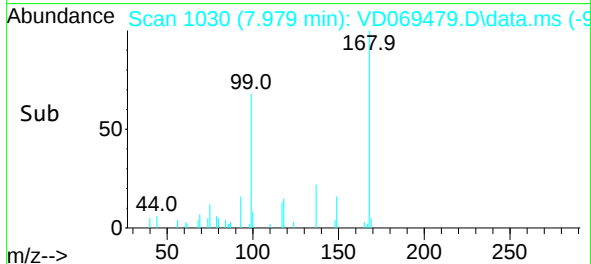
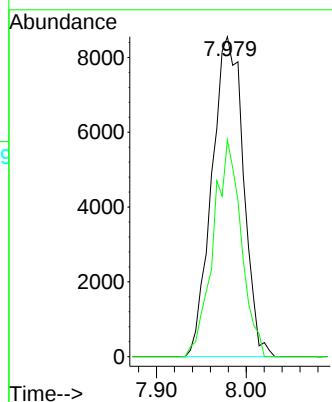
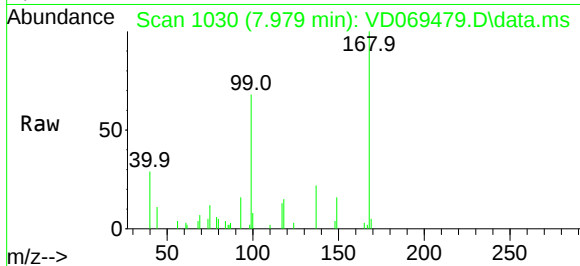




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

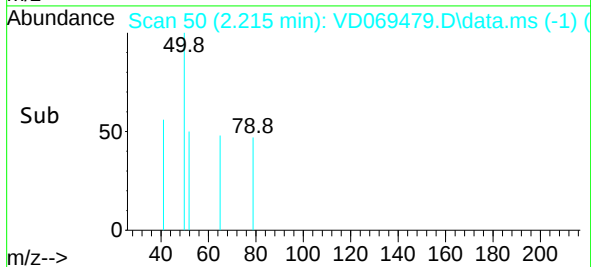
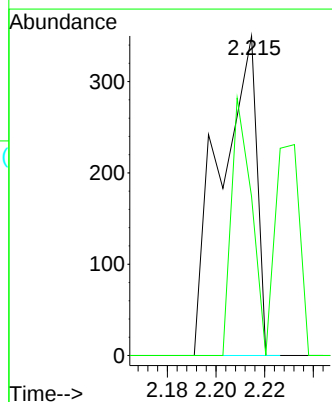
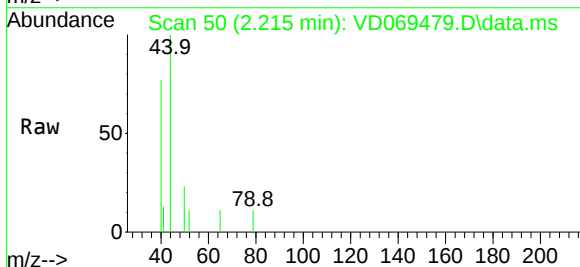
Instrument :
MSVOA_D
ClientSampleId :

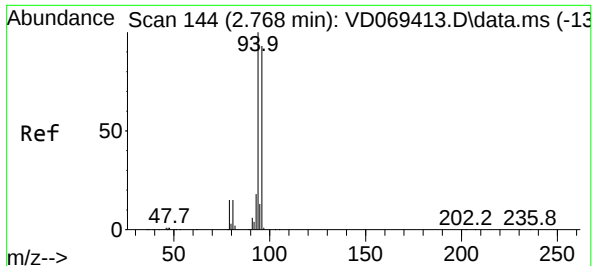
Tgt Ion:168 Resp: 20849
Ion Ratio Lower Upper
168 100
99 67.7 46.2 69.2



#3
Chloromethane
Concen: 1.761 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 50 Resp: 366
Ion Ratio Lower Upper
50 100
52 49.7 26.7 40.1#

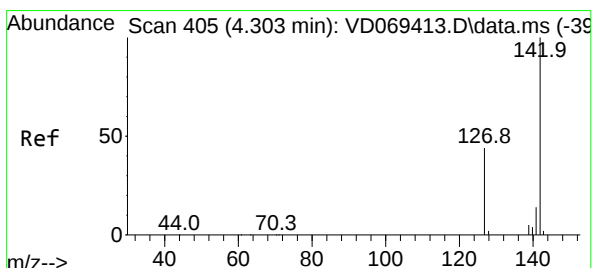
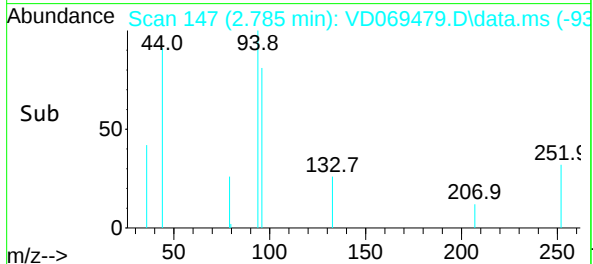
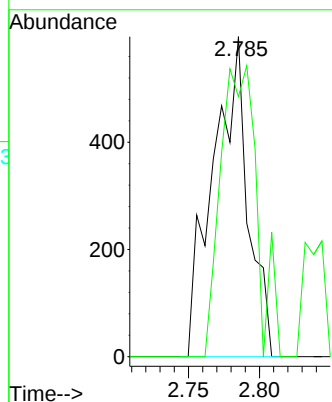
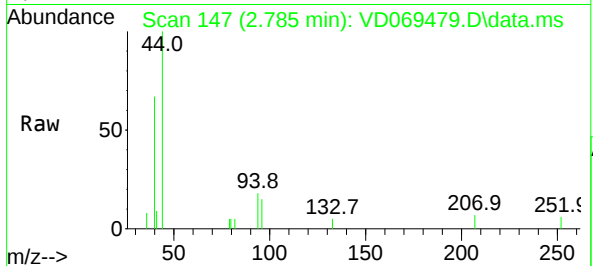




#5
Bromomethane
Concen: 4.159 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

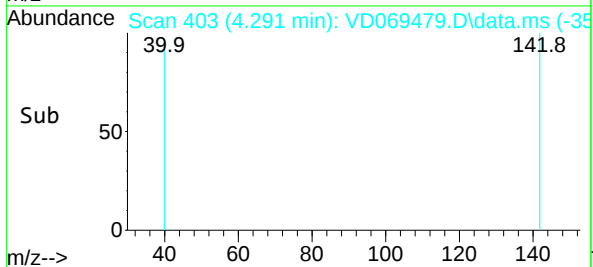
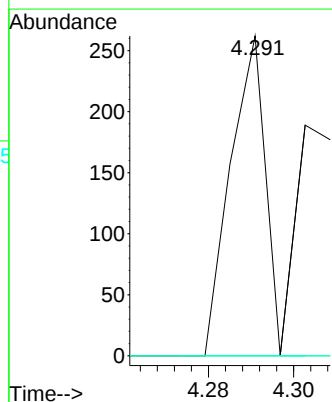
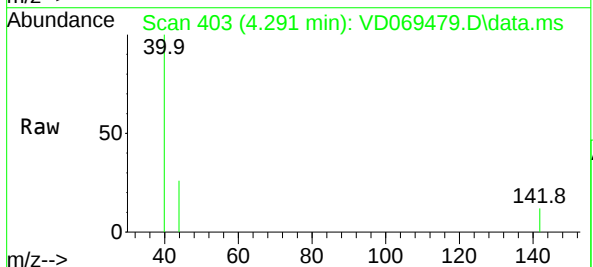
Instrument :
MSVOA_D
ClientSampleId :

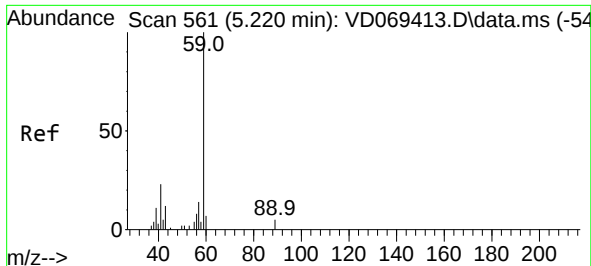
Tgt Ion: 94 Resp: 1023
Ion Ratio Lower Upper
94 100
96 81.2 70.3 105.5



#10
Methyl Iodide
Concen: 3.882 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 36.2 54.2#
141 0.0 12.2 18.2#

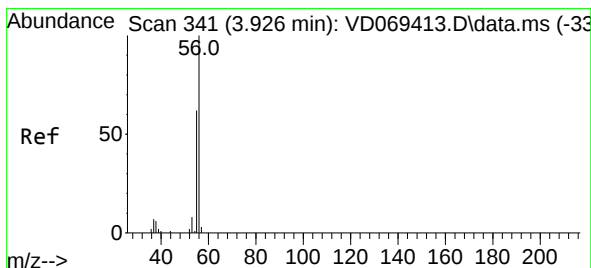
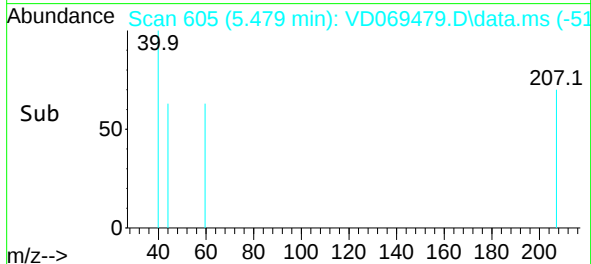
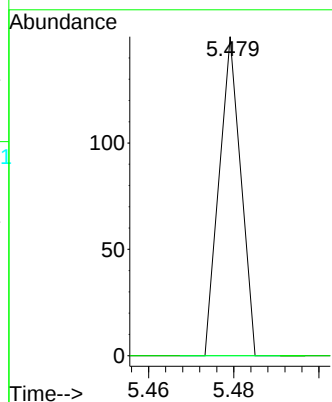
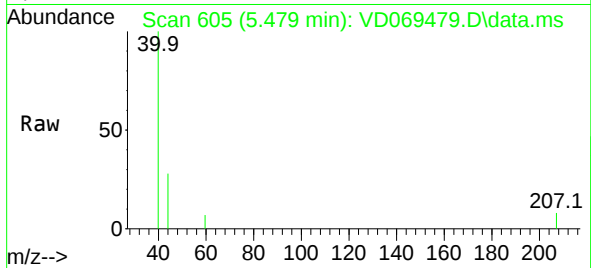




#11
Tert butyl alcohol
Concen: 4.334 ug/l
RT: 5.479 min Scan# 605
Delta R.T. 0.259 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

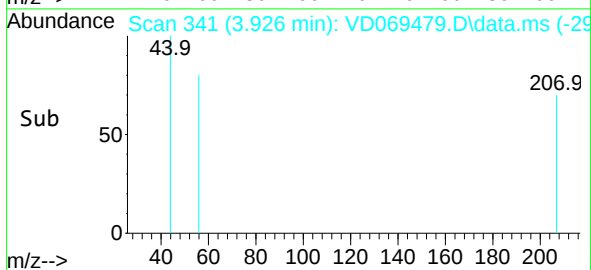
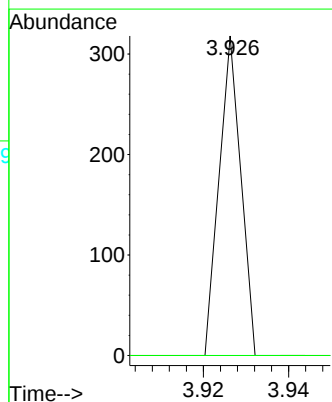
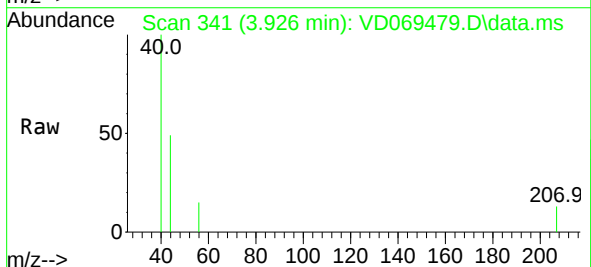
Instrument :
MSVOA_D
ClientSampleId :

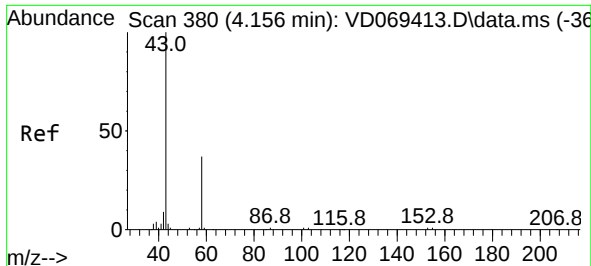
Tgt Ion: 59 Resp: 53
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 7.347 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 56 Resp: 112
Ion Ratio Lower Upper
56 100
55 0.0 53.8 80.8#

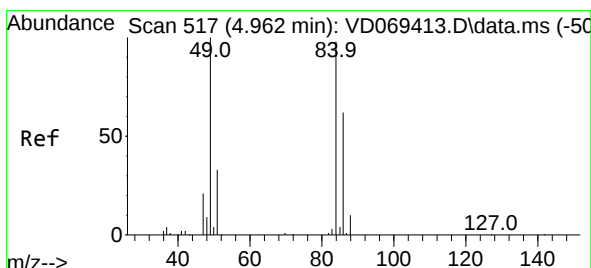
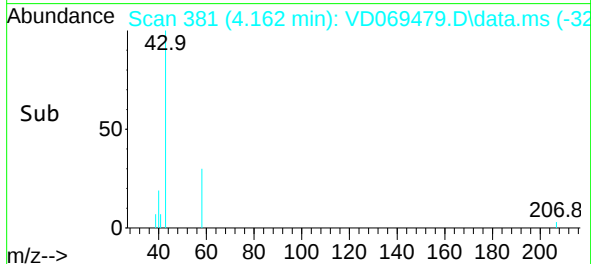
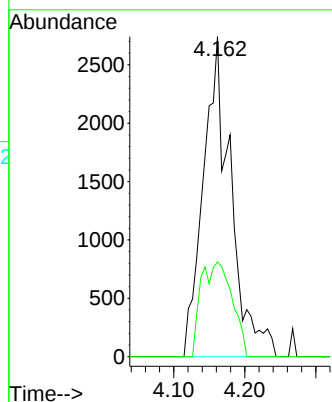
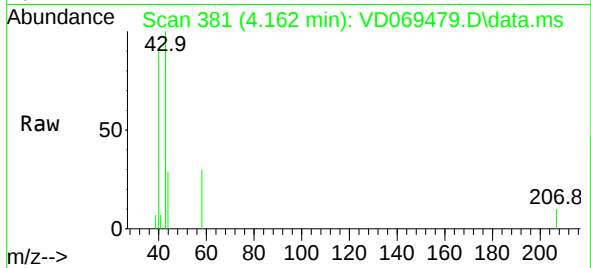




#16
Acetone
Concen: 189.712 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

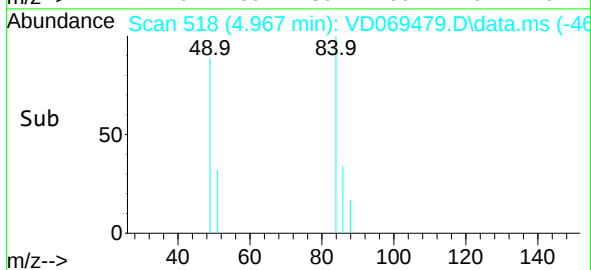
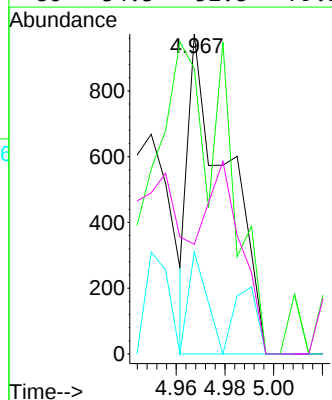
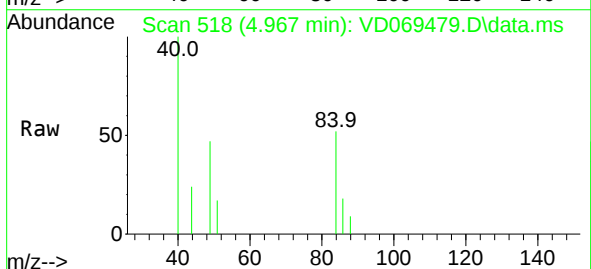
Instrument :
MSVOA_D
ClientSampleId :

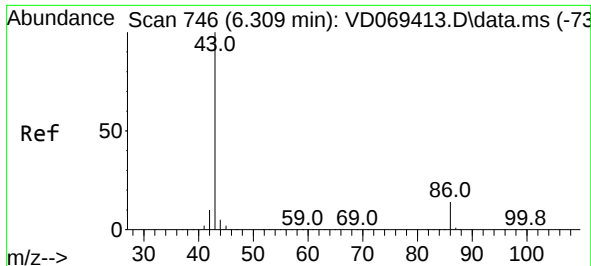
Tgt Ion: 43 Resp: 7386
Ion Ratio Lower Upper
43 100
58 29.6 27.5 41.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 84 Resp: 1068
Ion Ratio Lower Upper
84 100
49 89.2 83.7 125.5
51 32.0 26.4 39.6
86 34.3 52.8 79.2#

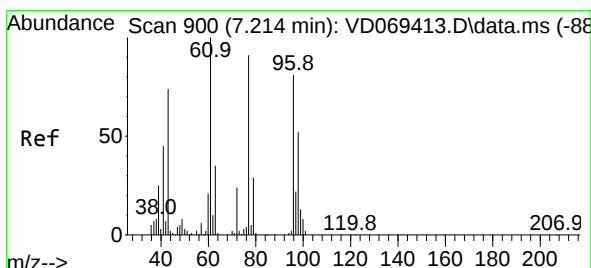
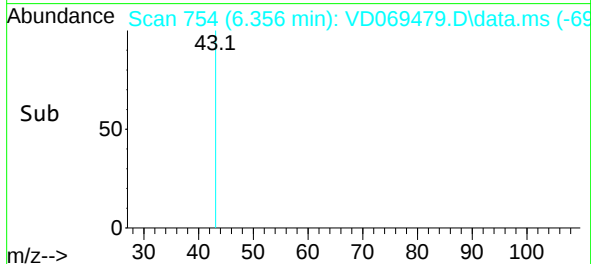
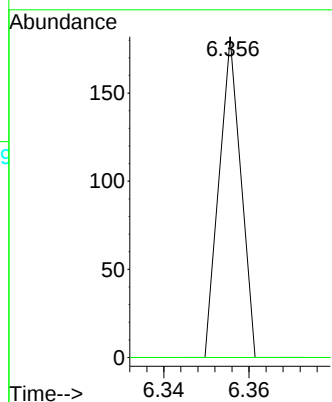
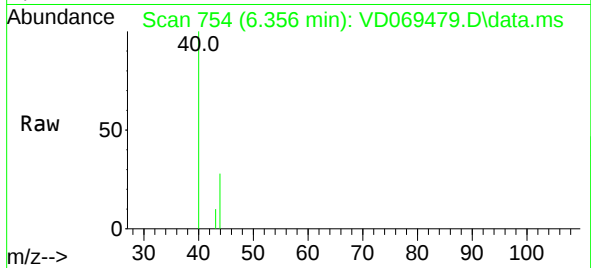




#23
 Vinyl Acetate
 Concen: 17.756 ug/l
 RT: 6.356 min Scan# 754
 Delta R.T. 0.047 min
 Lab File: VD069479.D
 Acq: 17 Jun 2021 14:53

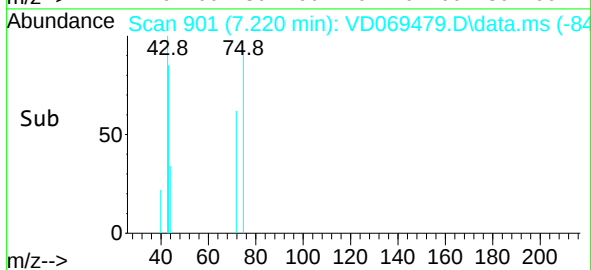
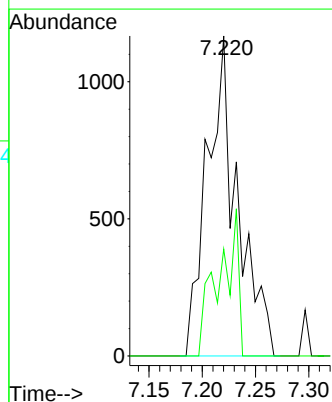
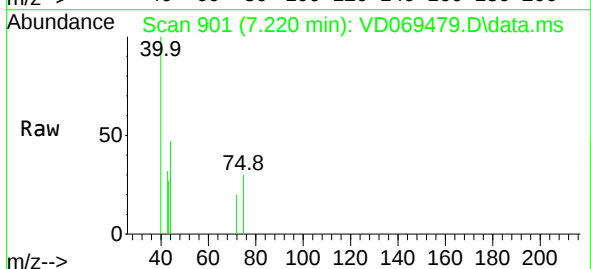
Instrument :
 MSVOA_D
 ClientSampleId :

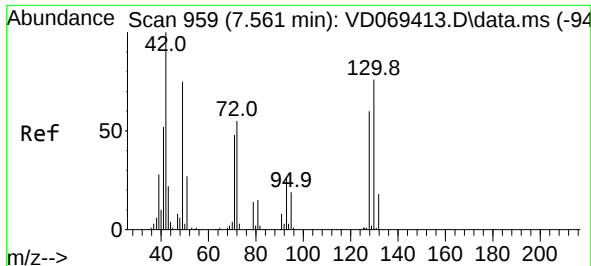
Tgt Ion: 43 Resp: 64
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.5 15.7#



#25
 2-Butanone
 Concen: 47.686 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069479.D
 Acq: 17 Jun 2021 14:53

Tgt Ion: 43 Resp: 2315
 Ion Ratio Lower Upper
 43 100
 72 33.4 23.9 35.9





#29

Tetrahydrofuran

Concen: 2.086 ug/l

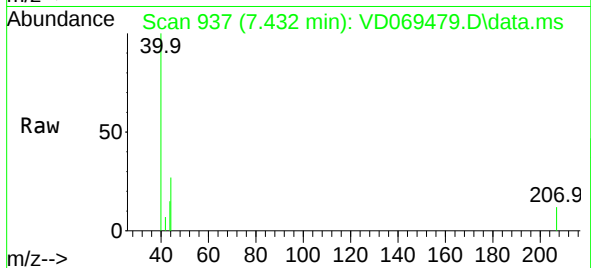
RT: 7.432 min Scan# 937

Delta R.T. -0.129 min

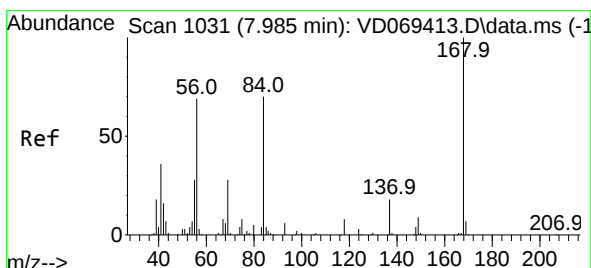
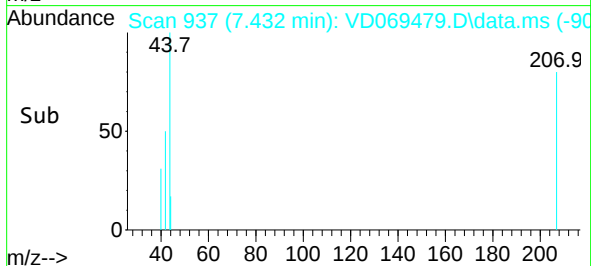
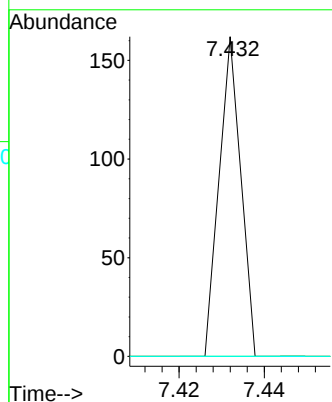
Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	42	Resp:	57
Ion Ratio	Lower	Upper	
42	100		
72	0.0	41.0	61.6#
71	0.0	38.9	58.3#



#31

Cyclohexane

Concen: 1.361 ug/l

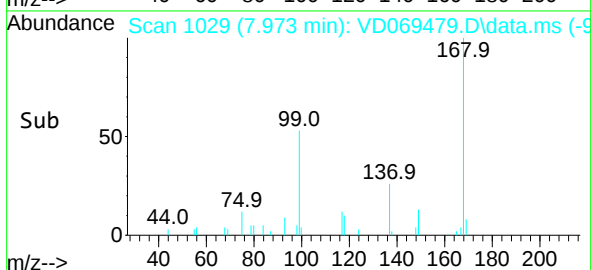
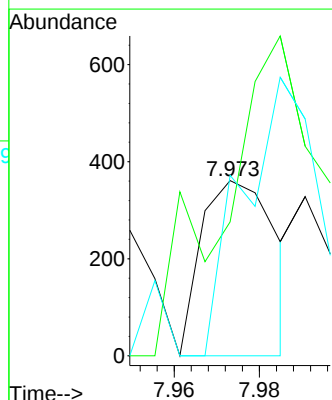
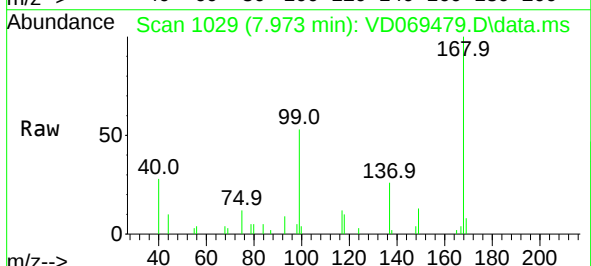
RT: 7.973 min Scan# 1029

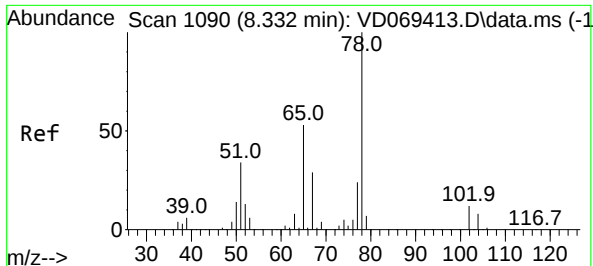
Delta R.T. -0.012 min

Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

Tgt Ion:	56	Resp:	435
Ion Ratio	Lower	Upper	
56	100		
69	0.0	29.0	43.4#
84	103.0	81.1	121.7



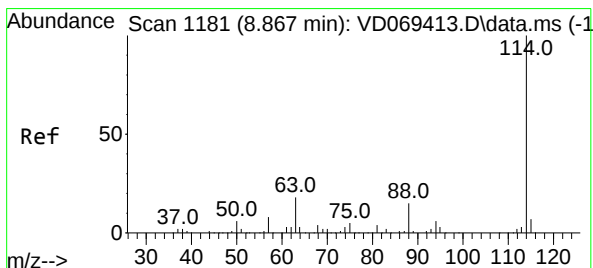
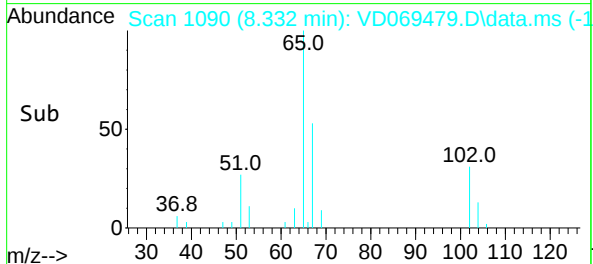
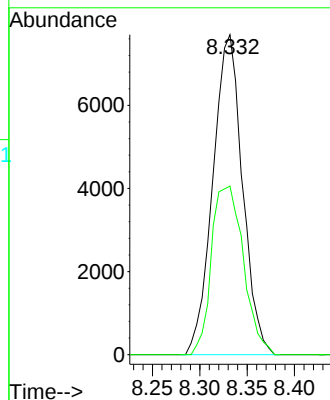
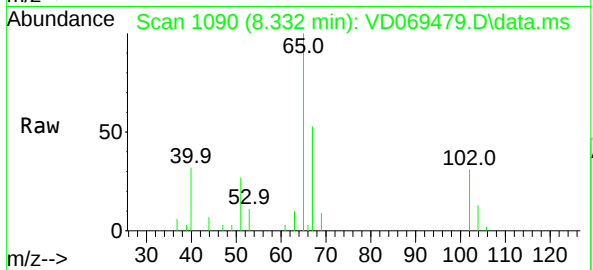


#33

1,2-Dichloroethane-d4
Concen: 71.277 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

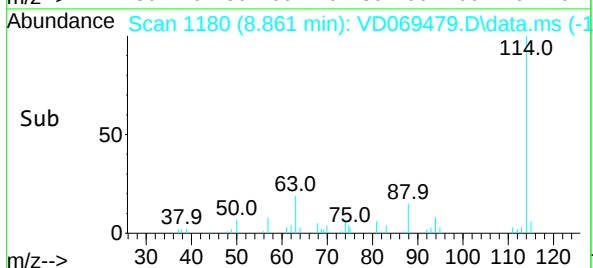
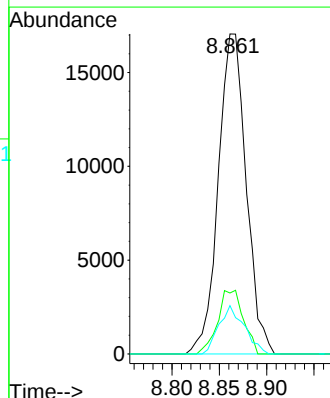
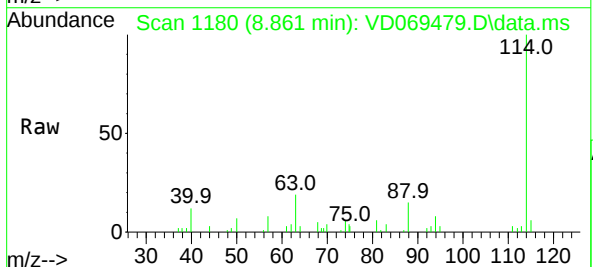
Tgt Ion: 65 Resp: 16765
Ion Ratio Lower Upper
65 100
67 56.7 0.0 105.8

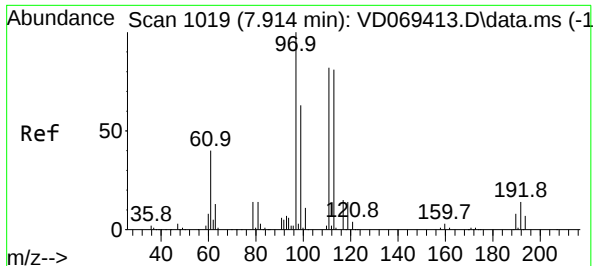


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 114 Resp: 34966
Ion Ratio Lower Upper
114 100
63 19.1 0.0 35.6
88 15.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.378 ug/l

RT: 7.914 min Scan# 1019

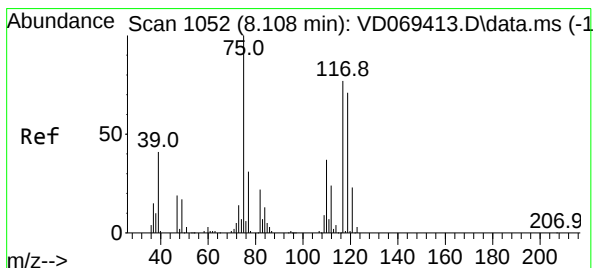
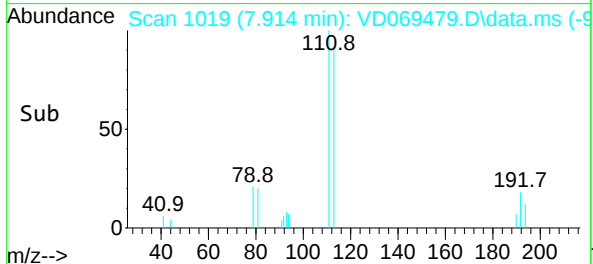
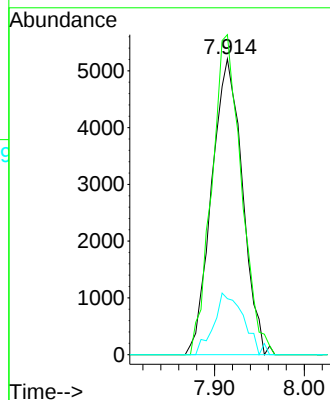
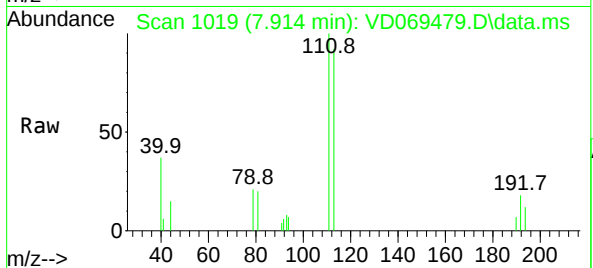
Delta R.T. 0.000 min

Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

Tgt Ion:	113	Resp:	12408
Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.0	124.6
192	20.2	15.1	22.7

Instrument :
MSVOA_D
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 5.669 ug/l

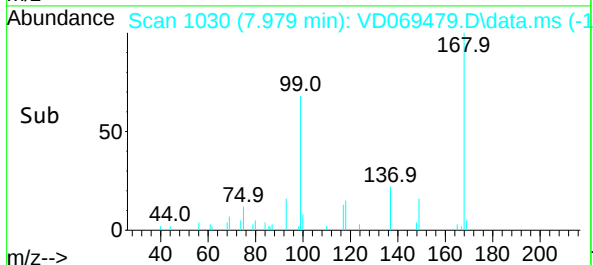
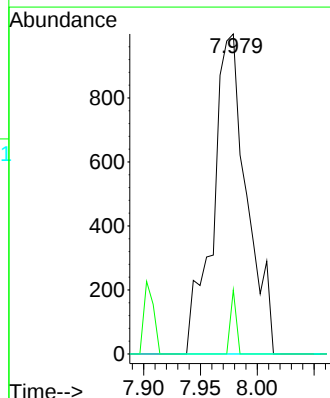
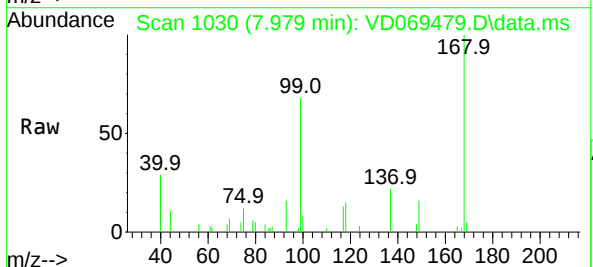
RT: 7.979 min Scan# 1030

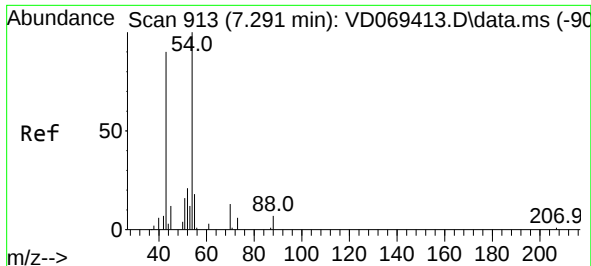
Delta R.T. -0.129 min

Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

Tgt Ion:	75	Resp:	2064
Ion	Ratio	Lower	Upper
75	100		
110	3.4	18.4	55.2#
77	0.0	24.9	37.3#





#37

Ethyl Acetate

Concen: 19.005 ug/l

RT: 7.220 min Scan# 901

Delta R.T. -0.071 min

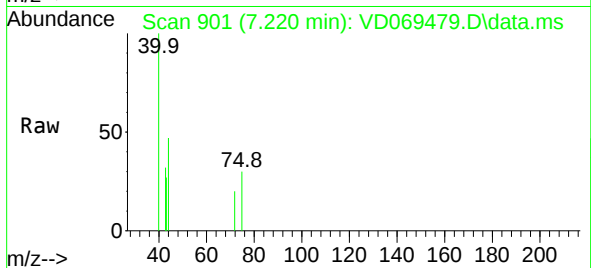
Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

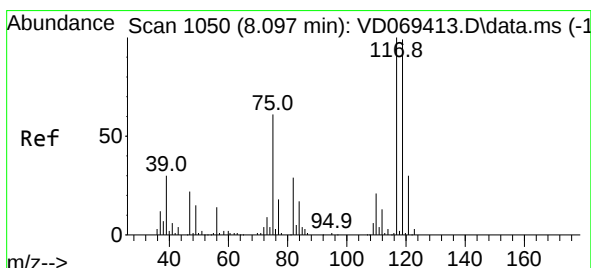
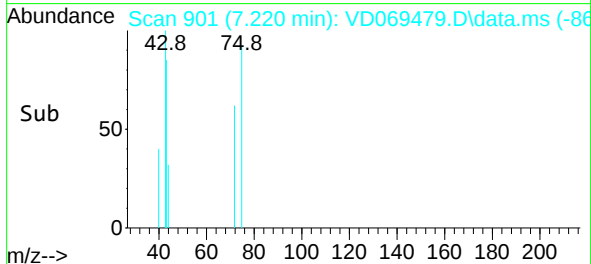
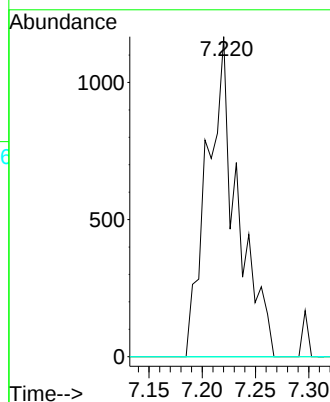
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 2315
Ion Ratio	Lower Upper
43 100	
61 0.0	11.0 16.6#
70 0.0	9.7 14.5#



#38

Carbon Tetrachloride

Concen: 6.656 ug/l

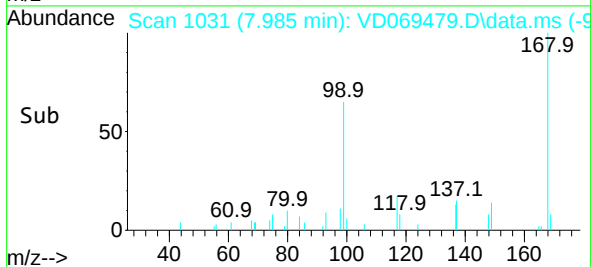
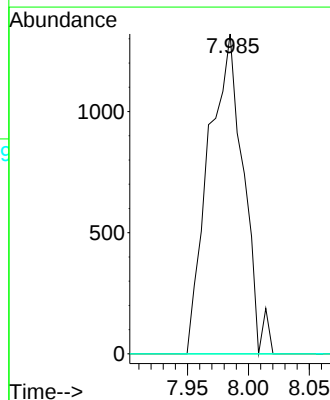
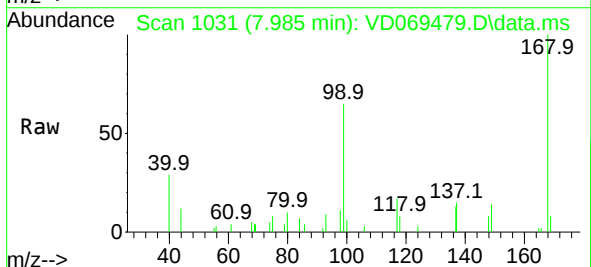
RT: 7.985 min Scan# 1031

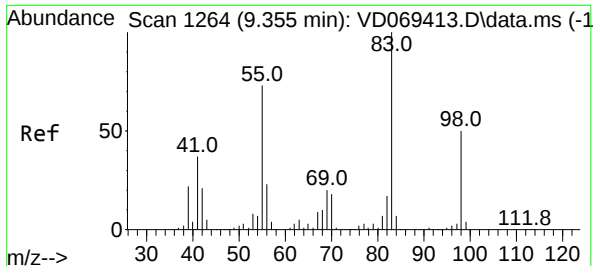
Delta R.T. -0.112 min

Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

Tgt Ion: 117	Resp: 2625
Ion Ratio	Lower Upper
117 100	
119 0.0	79.4 119.2#
121 0.0	26.1 39.1#





#39

Methylcyclohexane

Concen: 3.449 ug/l

RT: 9.355 min Scan# 1264

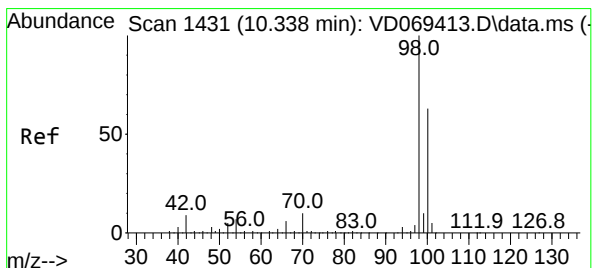
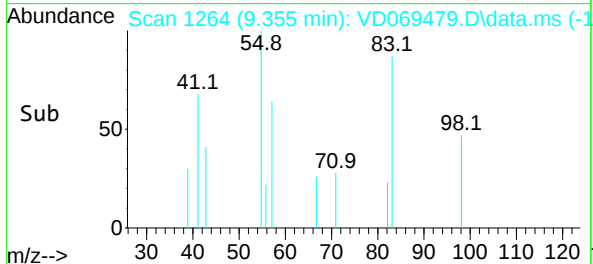
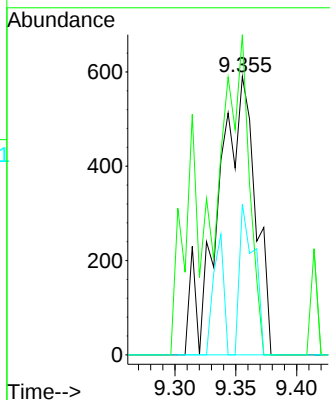
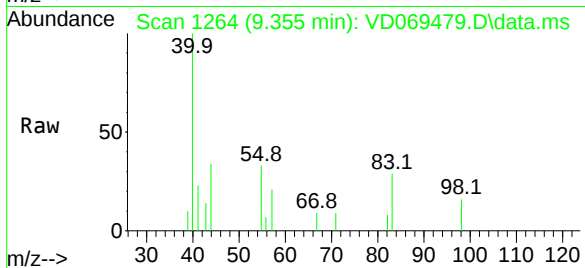
Delta R.T. 0.000 min

Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

Tgt Ion: 83 Resp: 1263

Ion	Ratio	Lower	Upper
83	100		
55	115.1	57.4	86.2#
98	54.2	42.2	63.2



#50

Toluene-d8

Concen: 46.425 ug/l

RT: 10.338 min Scan# 1431

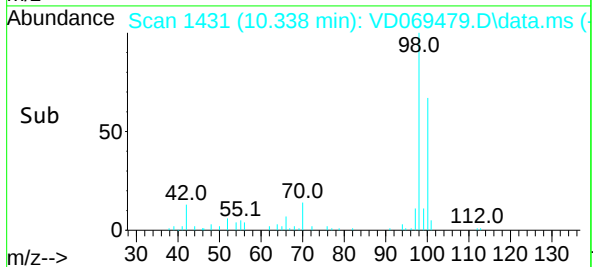
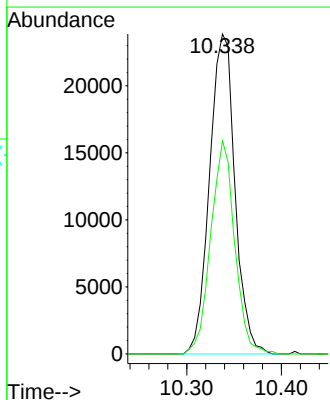
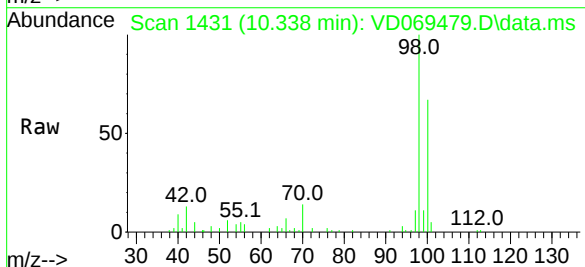
Delta R.T. -0.000 min

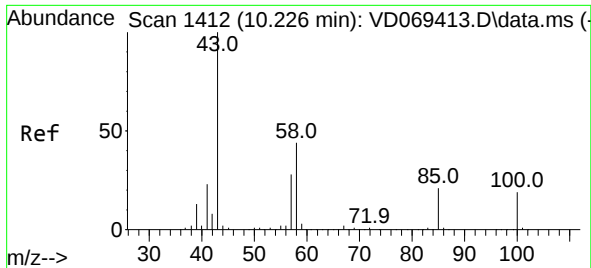
Lab File: VD069479.D

Acq: 17 Jun 2021 14:53

Tgt Ion: 98 Resp: 44469

Ion	Ratio	Lower	Upper
98	100		
100	62.9	52.1	78.1

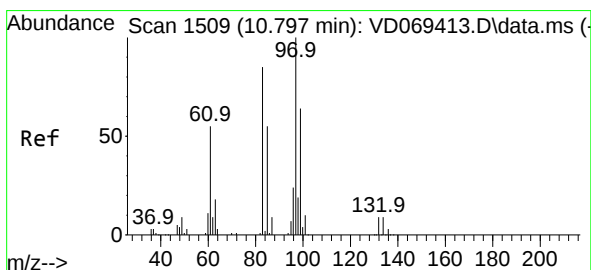
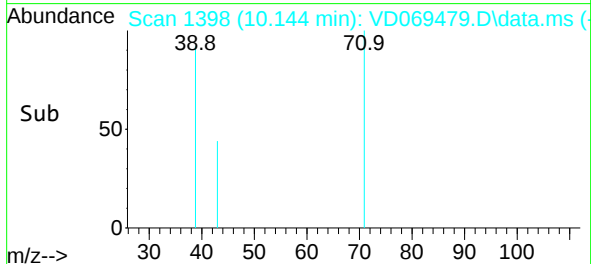
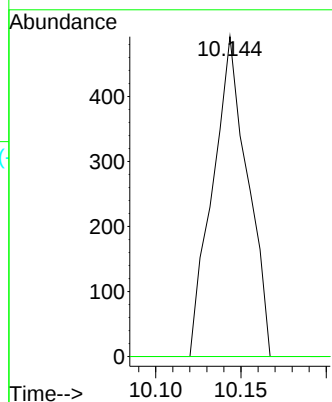
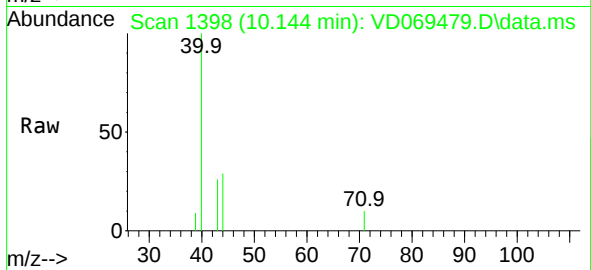




#51
4-Methyl-2-Pentanone
Concen: 5.957 ug/l
RT: 10.144 min Scan# 1398
Delta R.T. -0.082 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

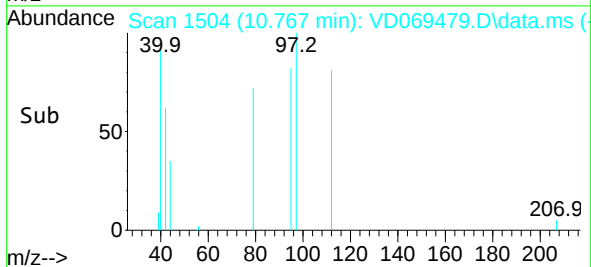
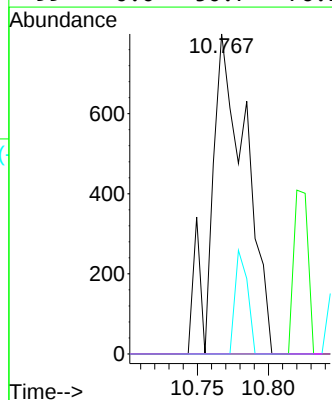
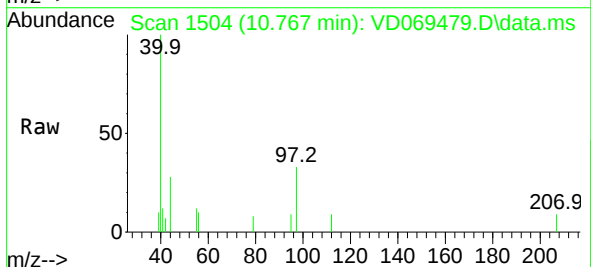
Instrument :
MSVOA_D
ClientSampled :

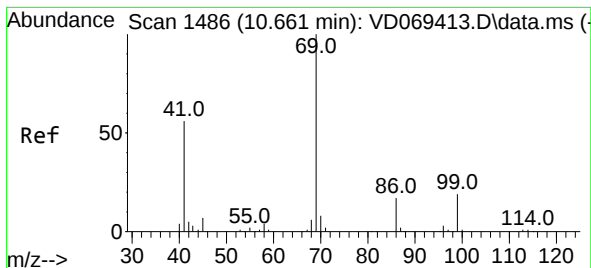
Tgt Ion: 43 Resp: 700
Ion Ratio Lower Upper
43 100
58 0.0 35.1 52.7#



#55
1,1,2-Trichloroethane
Concen: 6.628 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.030 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 97 Resp: 1358
Ion Ratio Lower Upper
97 100
83 0.0 69.4 104.0#
85 0.0 44.5 66.7#
99 0.0 50.7 76.1#

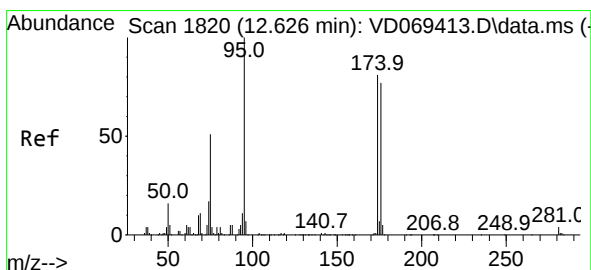
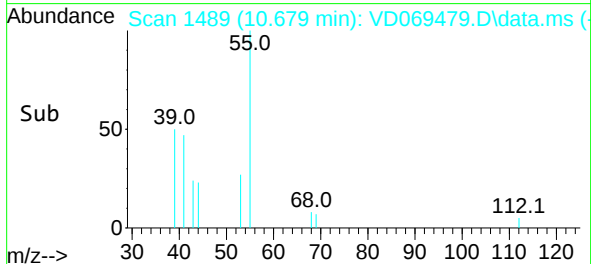
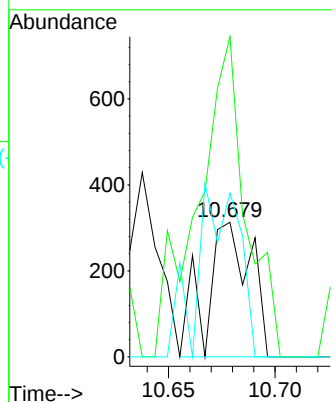
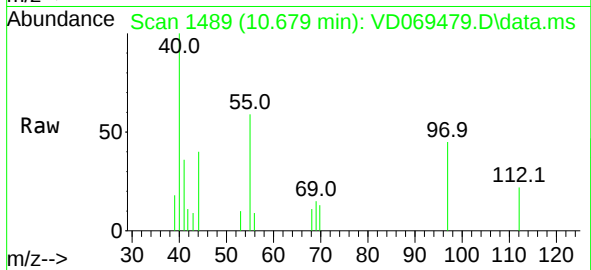




#56
Ethyl methacrylate
Concen: 4.658 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

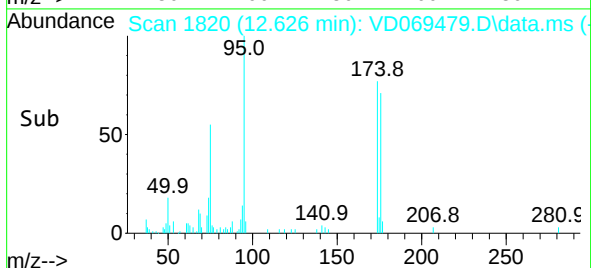
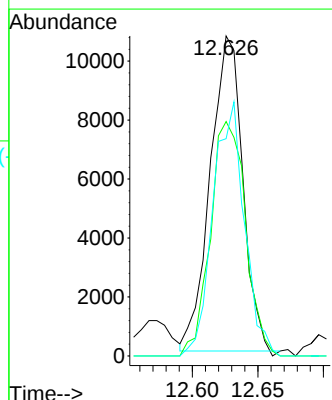
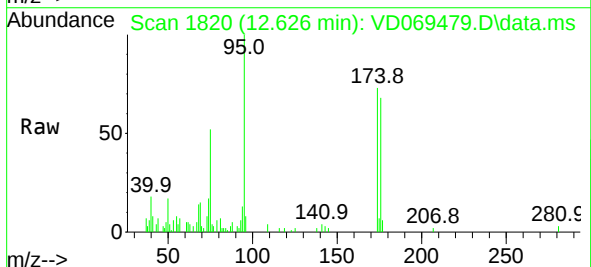
Instrument :
MSVOA_D
ClientSampled :

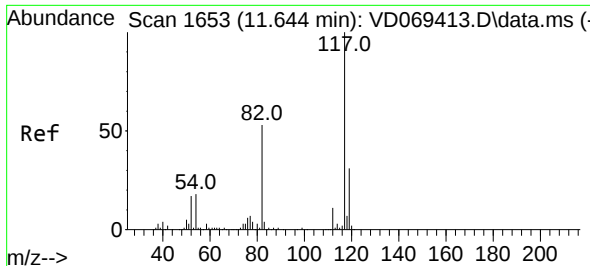
Tgt Ion: 69 Resp: 455
Ion Ratio Lower Upper
69 100
41 258.9 45.4 68.2#
39 120.2 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 59.724 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 95 Resp: 18356
Ion Ratio Lower Upper
95 100
174 80.6 0.0 162.8
176 78.3 0.0 154.4

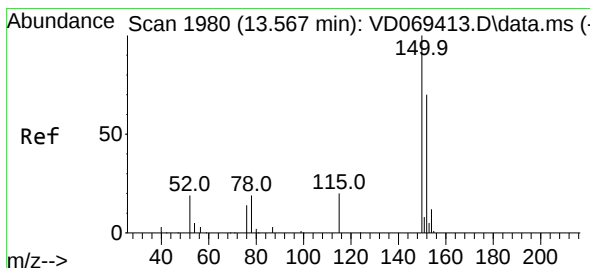
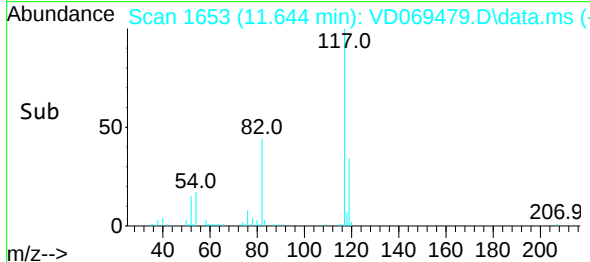
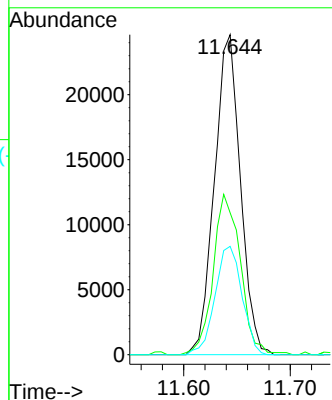
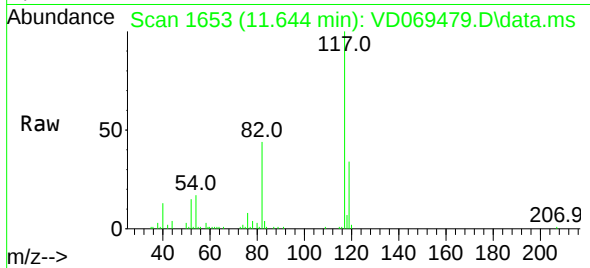




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. -0.001 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

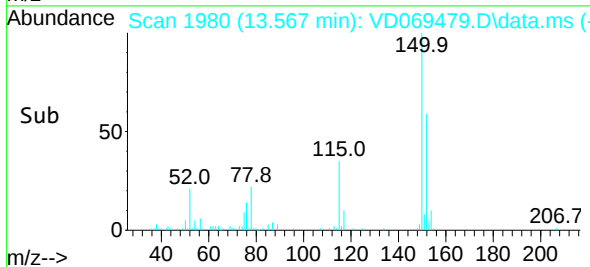
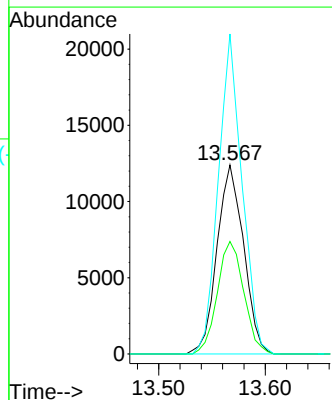
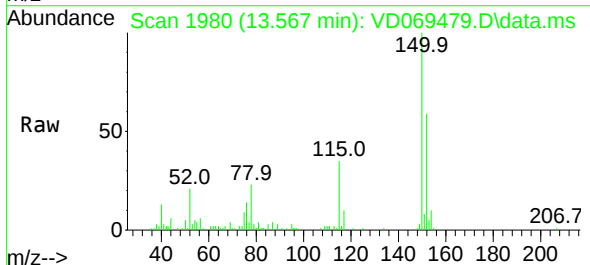
Instrument :
MSVOA_D
ClientSampleId :

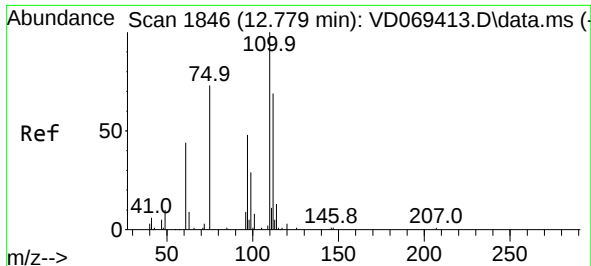
Tgt Ion:	117	Resp:	41666
Ion	Ratio	Lower	Upper
117	100		
82	44.3	43.3	64.9
119	33.8	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion:	152	Resp:	21526
Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.3
150	150.6	0.0	355.0

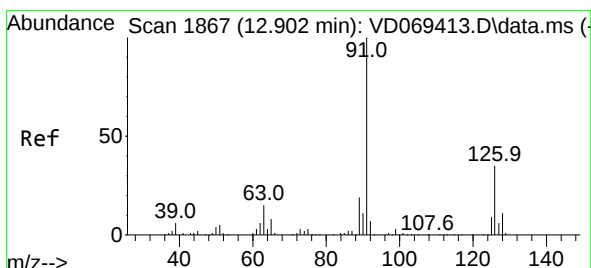
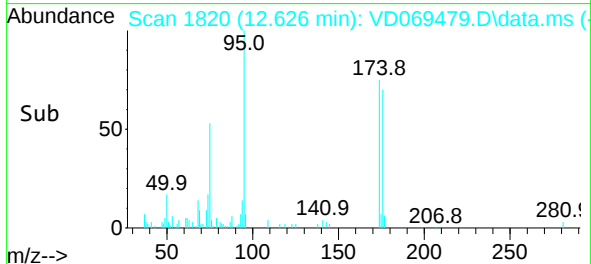
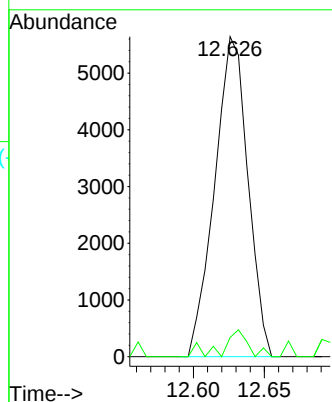
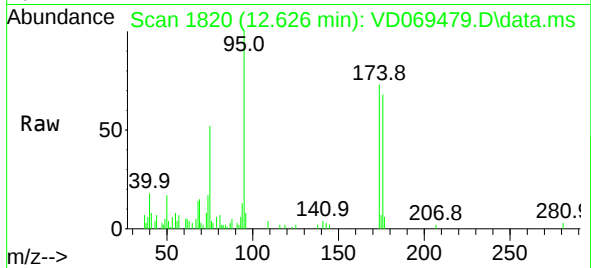




#76
1,2,3-Trichloropropane
Concen: 42.151 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

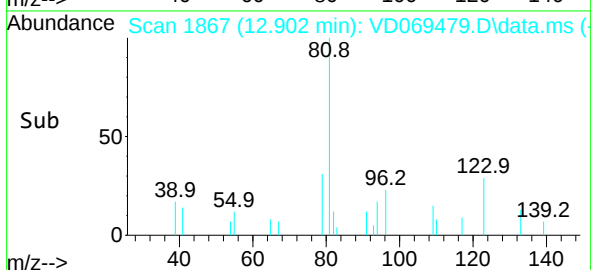
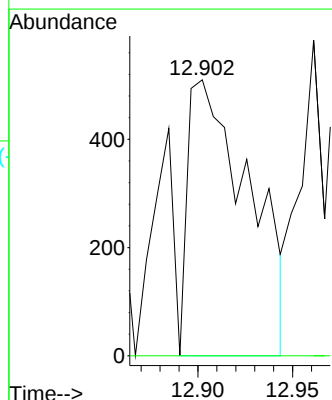
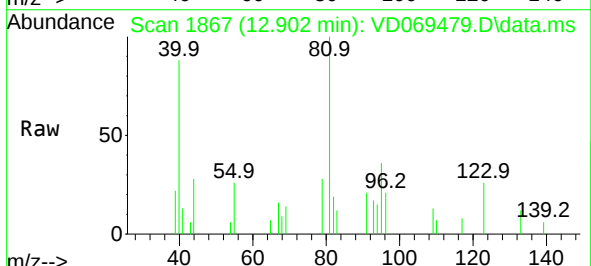
Instrument :
MSVOA_D
ClientSampleId :

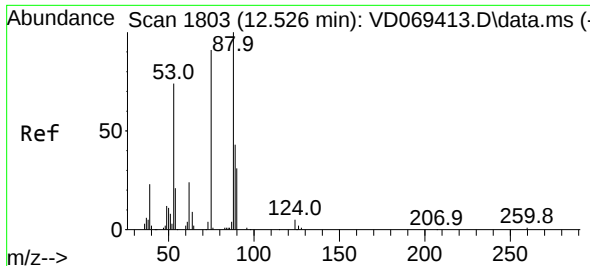
Tgt Ion: 75 Resp: 9199
Ion Ratio Lower Upper
75 100
77 5.4 183.8 551.2#



#79
2-Chlorotoluene
Concen: 1.086 ug/l
RT: 12.902 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 91 Resp: 1146
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#

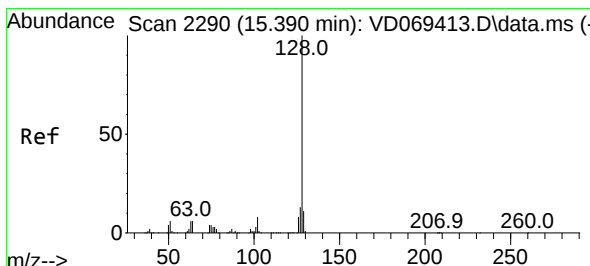
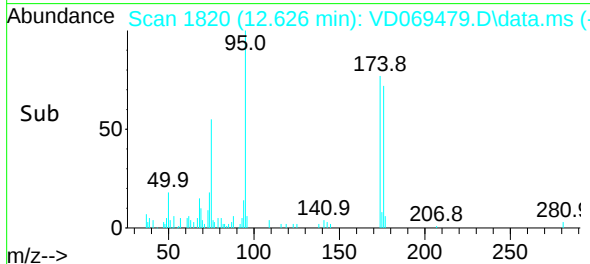
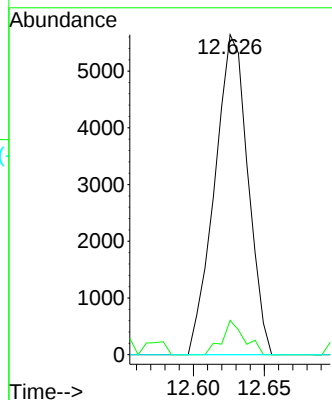
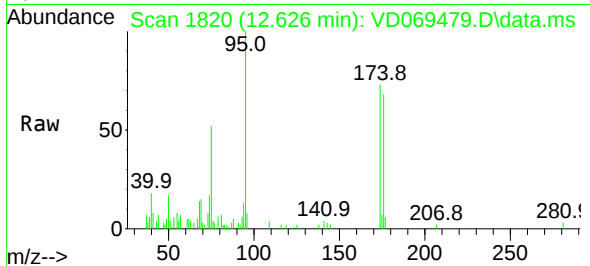




#81
trans-1,4-Dichloro-2-butene
Concen: 112.449 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 9199
Ion Ratio Lower Upper
75 100
53 7.2 62.6 94.0#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 3.805 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069479.D
Acq: 17 Jun 2021 14:53

Tgt Ion: 128 Resp: 188
Ion Ratio Lower Upper
128 100
127 34.6 10.4 15.6#
129 0.0 8.8 13.2#

