

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069551.D
 Acq On : 23 Jun 2021 18:07
 Operator : VA/SY
 Sample : M2824-01RE
 Misc : 8.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:10:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

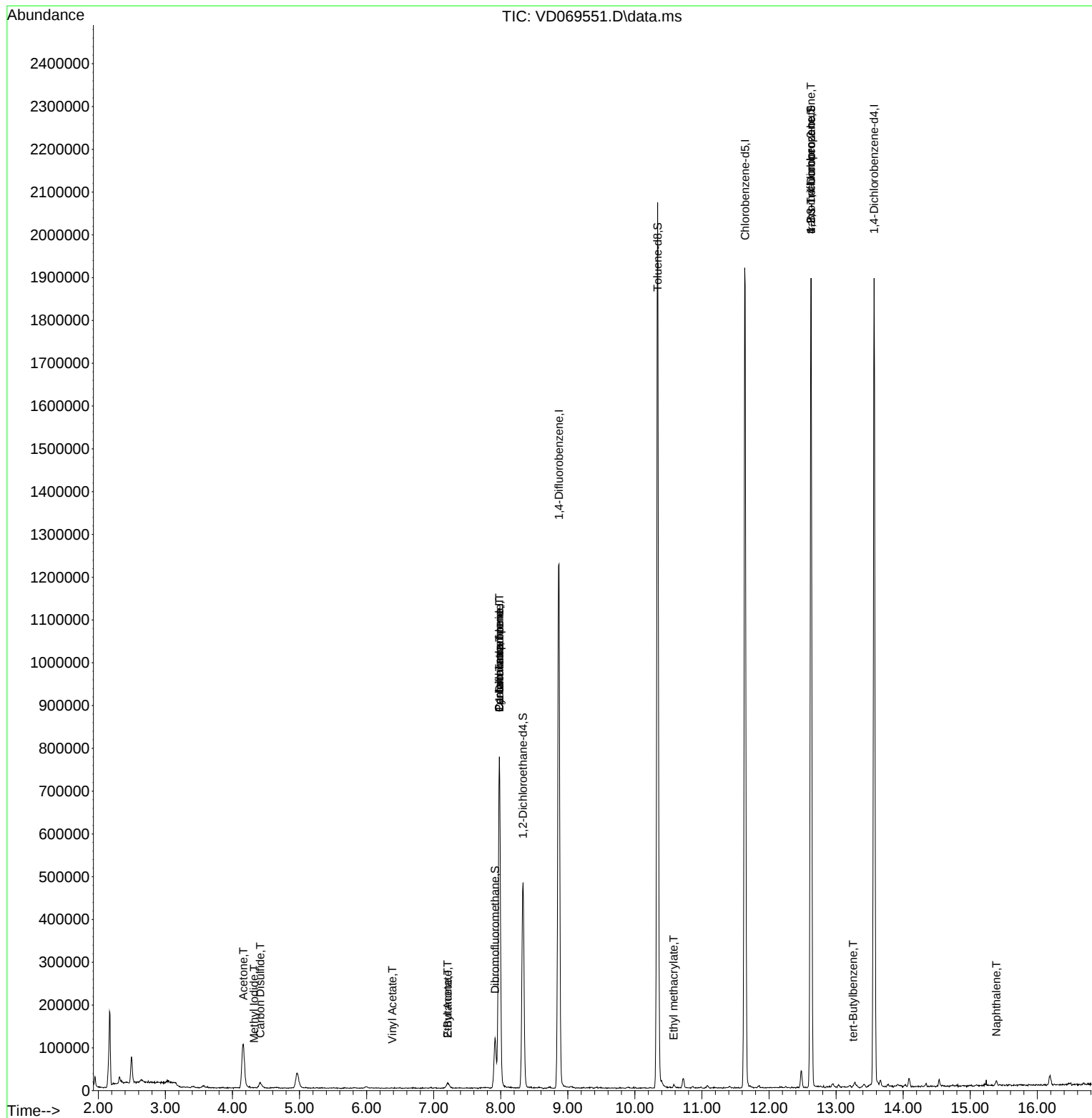
Internal Standards						
1) Pentafluorobenzene	7.979	168	535693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1057421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1093452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	488369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	392592	58.795	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.580%
35) Dibromofluoromethane	7.914	113	85088	11.904	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	23.800%#
50) Toluene-d8	10.338	98	1372260	51.182	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.360%
62) 4-Bromofluorobenzene	12.626	95	517567	58.718	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.440%
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	658	Below Cal	#	59
10) Methyl Iodide	4.321	142	62	3.950	ug/l #	39
11) Tert butyl alcohol	5.209	59	434	Below Cal	#	79
16) Acetone	4.162	43	187185	166.550	ug/l	98
17) Carbon Disulfide	4.415	76	22379	1.285	ug/l #	87
18) Methyl Acetate	4.709	43	237	Below Cal	#	49
20) Methylene Chloride	4.956	84	28827	Below Cal	#	80
23) Vinyl Acetate	6.385	43	73	19.018	ug/l #	70
25) 2-Butanone	7.209	43	7610	5.328	ug/l	91
31) Cyclohexane	7.979	56	13832	1.539	ug/l #	6
36) 1,1-Dichloropropene	7.979	75	49005	4.722	ug/l #	50
37) Ethyl Acetate	7.209	43	7610	1.976	ug/l #	68
38) Carbon Tetrachloride	7.979	117	59986	5.840	ug/l #	18
56) Ethyl methacrylate	10.579	69	1298	2.766	ug/l #	51
76) 1,2,3-Trichloropropane	12.626	75	267808	55.864	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	267808	139.484	ug/l #	13
83) tert-Butylbenzene	13.255	119	330	2.005	ug/l #	85
95) Naphthalene	15.391	128	8461	3.873	ug/l #	95

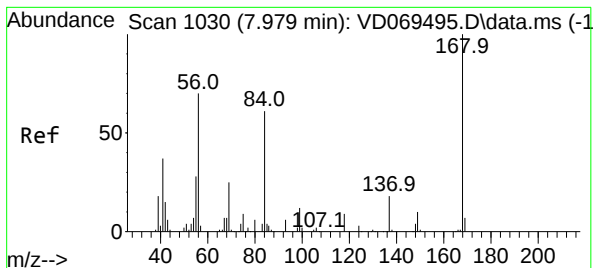
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069551.D

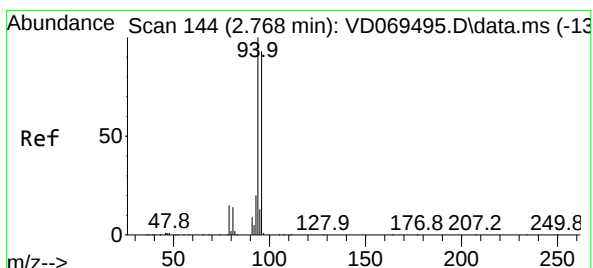
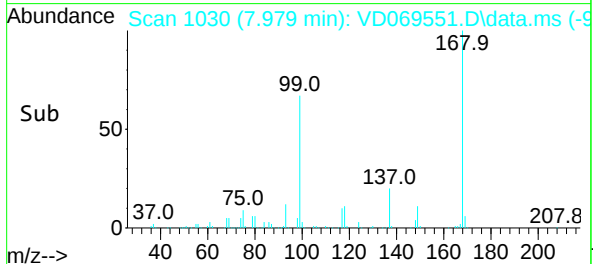
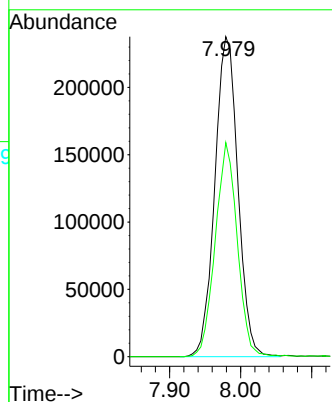
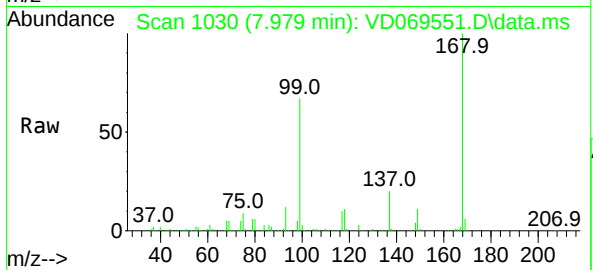
Acq: 23 Jun 2021 18:07

Tgt Ion:168 Resp: 535693

Ion Ratio Lower Upper

168 100

99 66.9 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.774 min Scan# 145

Delta R.T. 0.006 min

Lab File: VD069551.D

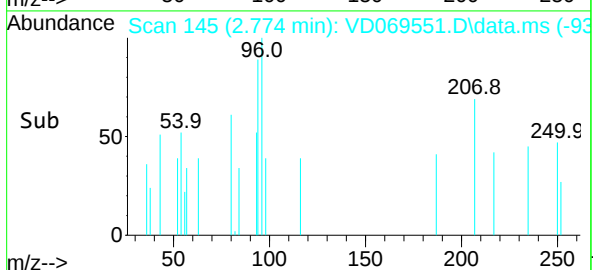
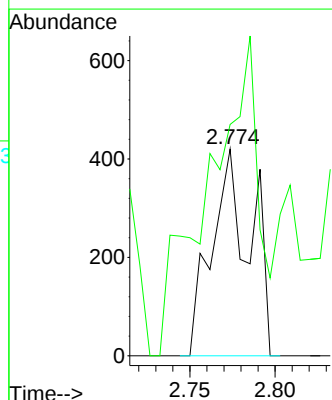
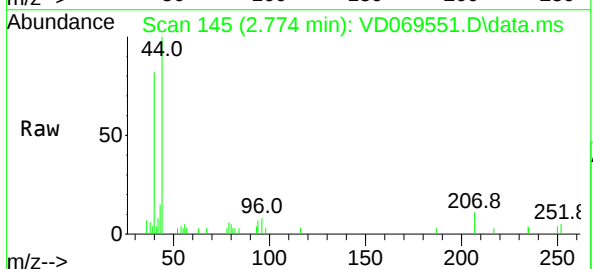
Acq: 23 Jun 2021 18:07

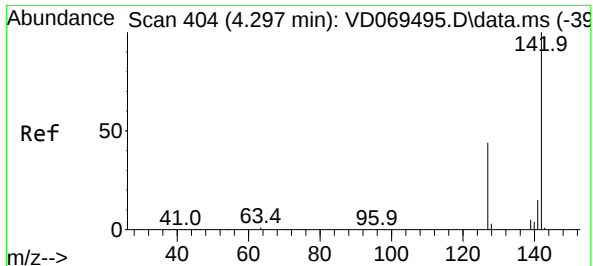
Tgt Ion: 94 Resp: 658

Ion Ratio Lower Upper

94 100

96 54.0 74.6 111.8#

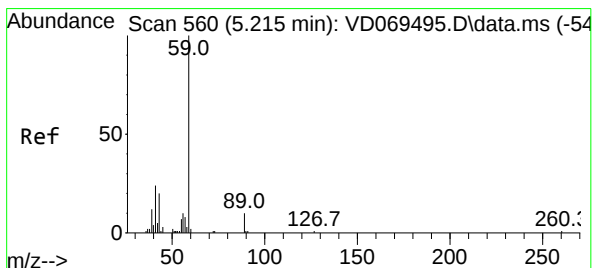
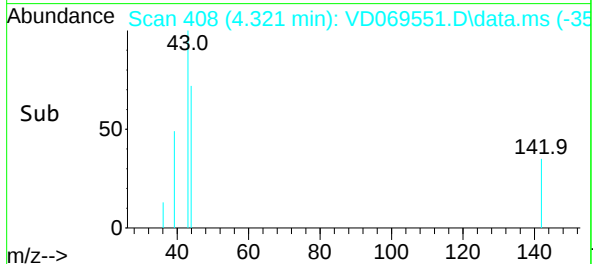
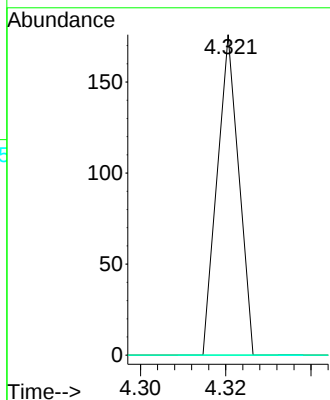
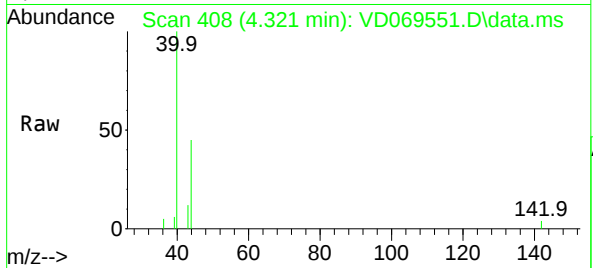




#10
Methyl Iodide
Concen: 3.950 ug/l
RT: 4.321 min Scan# 408
Delta R.T. 0.024 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

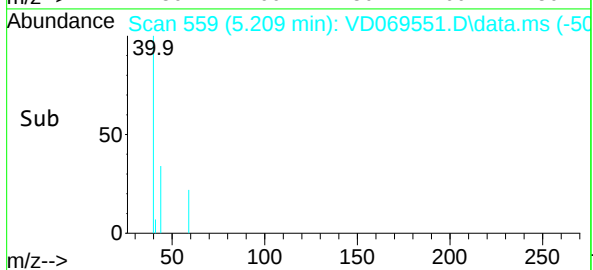
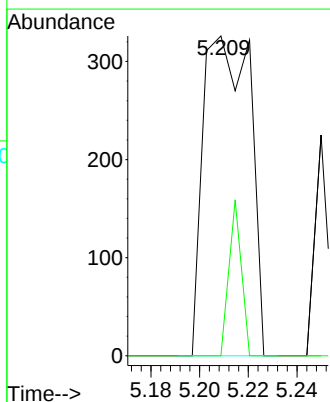
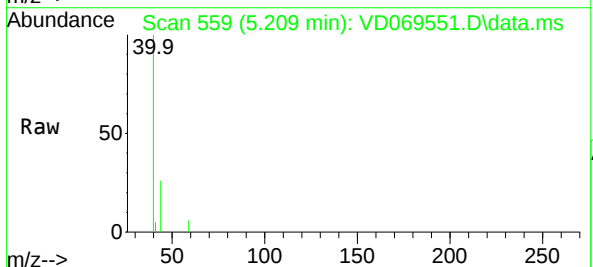
Instrument :
MSVOA_D
ClientSampled :

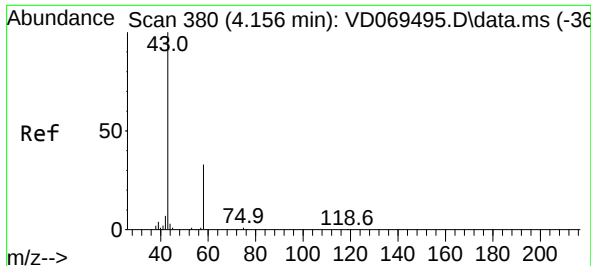
Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion: 59 Resp: 434
Ion Ratio Lower Upper
59 100
57 12.9 4.6 7.0#

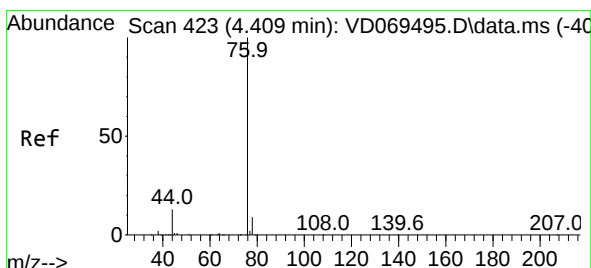
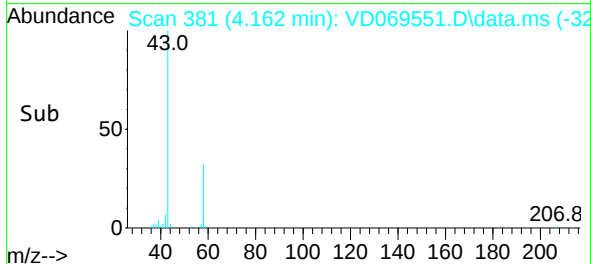
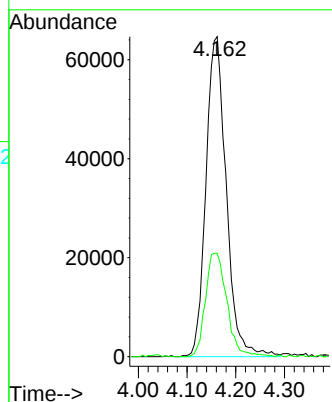
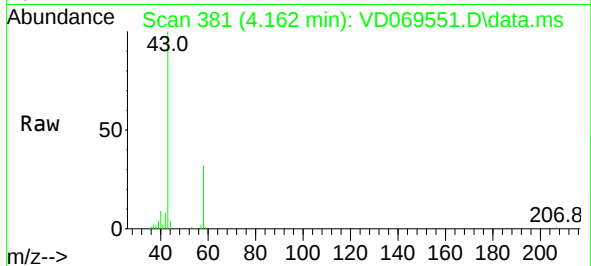




#16
Acetone
Concen: 166.550 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

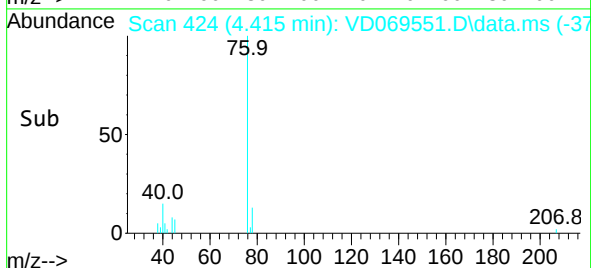
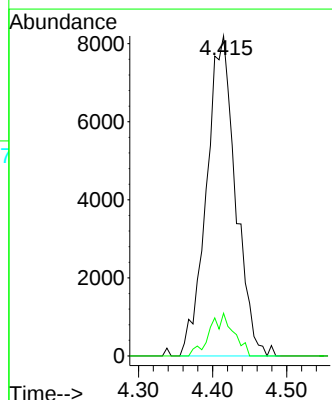
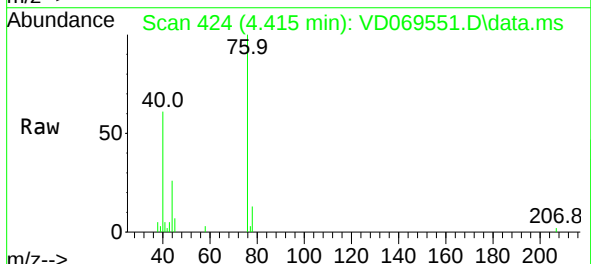
Instrument :
MSVOA_D
ClientSampled :

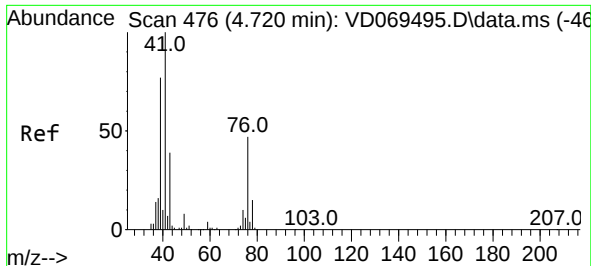
Tgt Ion: 43 Resp: 187185
Ion Ratio Lower Upper
43 100
58 32.3 26.8 40.2



#17
Carbon Disulfide
Concen: 1.285 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

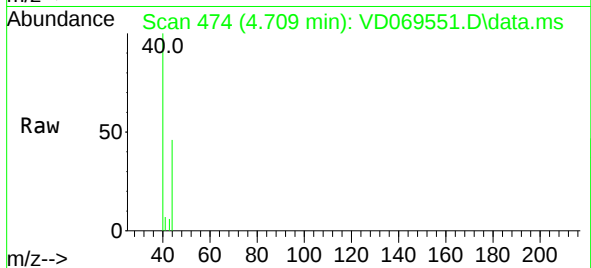
Tgt Ion: 76 Resp: 22379
Ion Ratio Lower Upper
76 100
78 13.4 7.0 10.4#



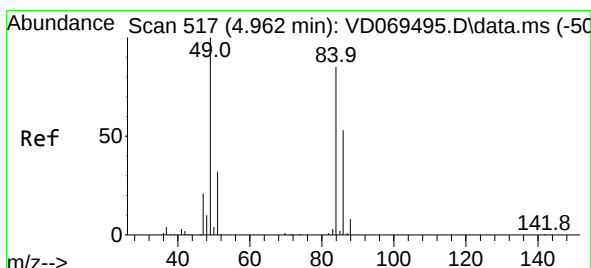
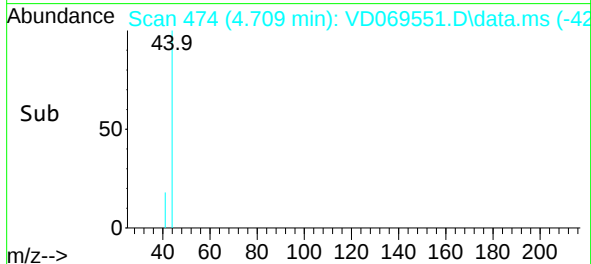
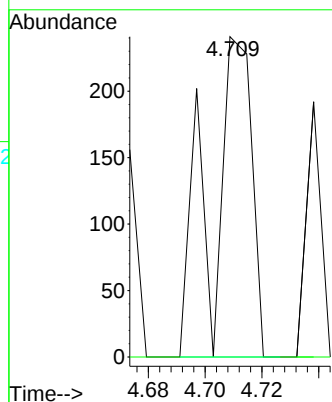


#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.011 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Instrument :
MSVOA_D
ClientSampleId :

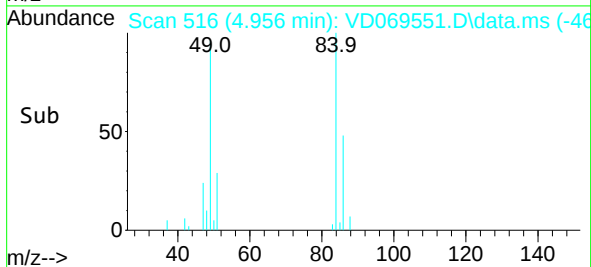
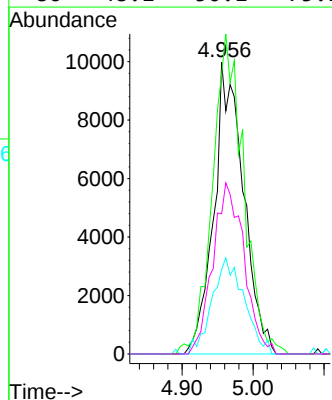
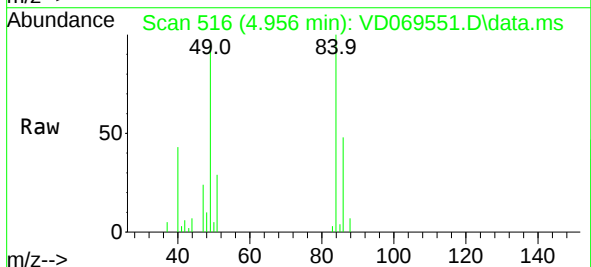


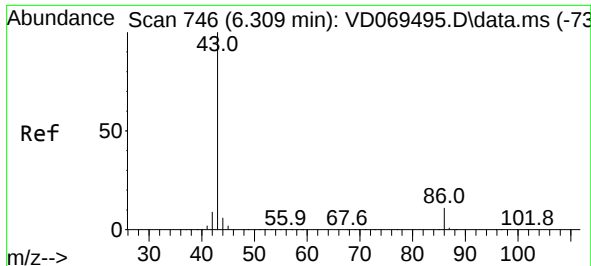
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion: 84 Resp: 28827
Ion Ratio Lower Upper
84 100
49 93.4 94.0 141.0#
51 28.9 29.7 44.5#
86 48.1 50.1 75.1#

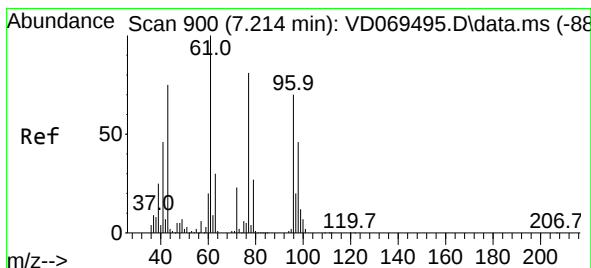
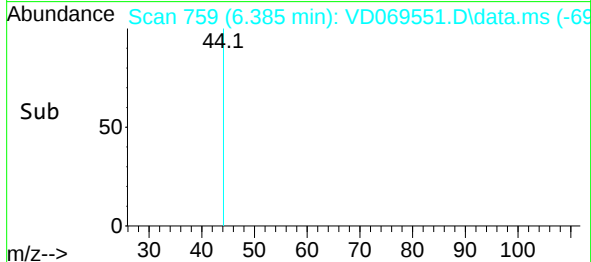
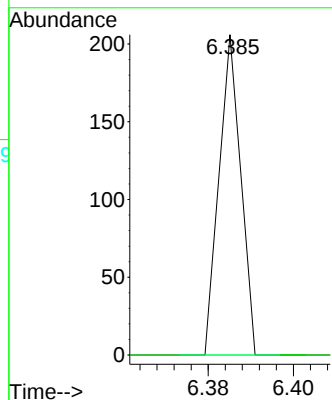
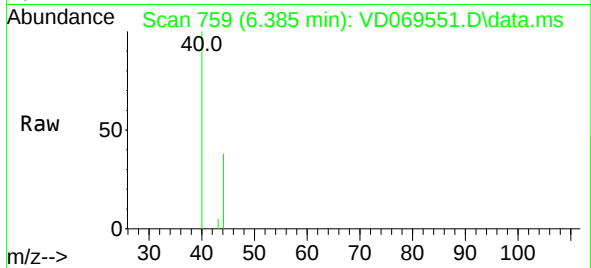




#23
 Vinyl Acetate
 Concen: 19.018 ug/l
 RT: 6.385 min Scan# 759
 Delta R.T. 0.076 min
 Lab File: VD069551.D
 Acq: 23 Jun 2021 18:07

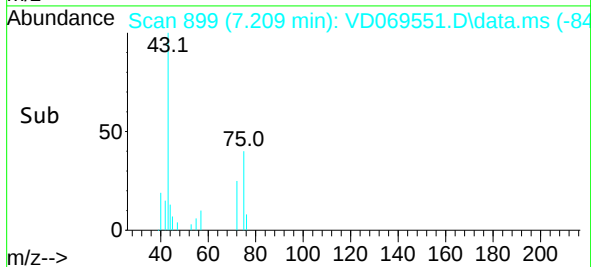
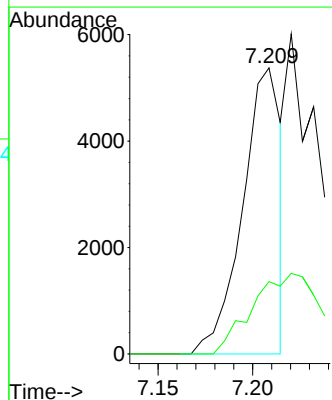
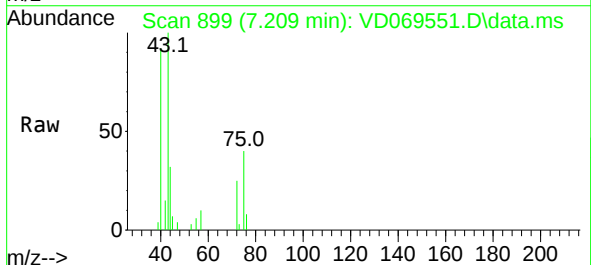
Instrument :
 MSVOA_D
 ClientSampleID :

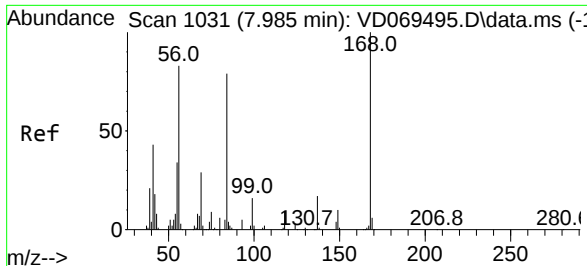
Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 5.328 ug/l
 RT: 7.209 min Scan# 899
 Delta R.T. -0.006 min
 Lab File: VD069551.D
 Acq: 23 Jun 2021 18:07

Tgt Ion: 43 Resp: 7610
 Ion Ratio Lower Upper
 43 100
 72 25.3 24.3 36.5

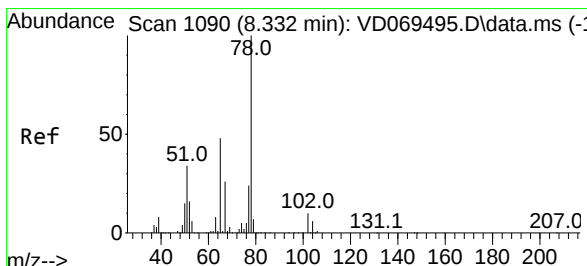
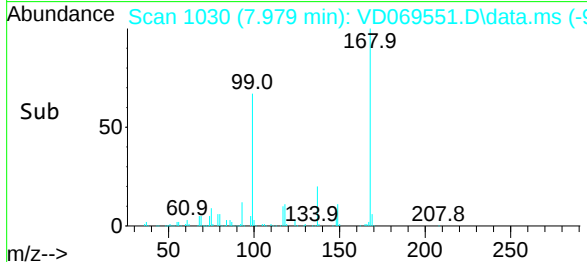
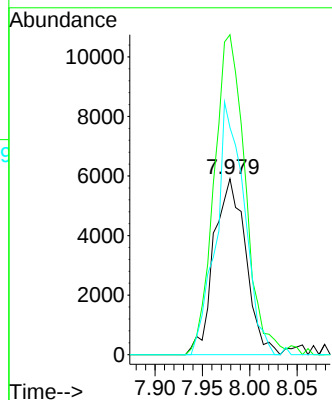
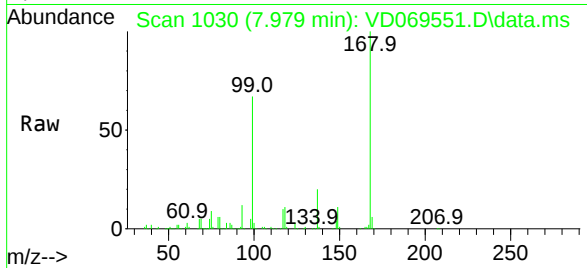




#31
Cyclohexane
Concen: 1.539 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

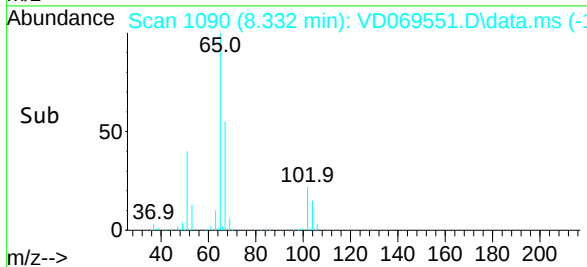
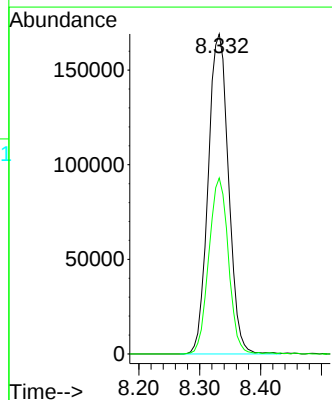
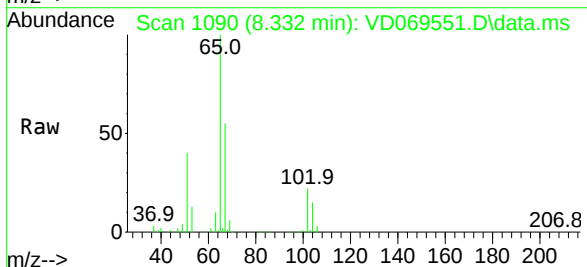
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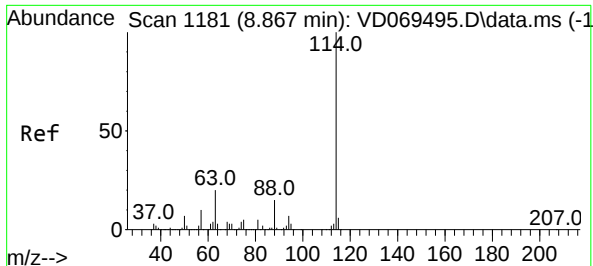
Tgt Ion: 56 Resp: 13832
Ion Ratio Lower Upper
56 100
69 181.9 28.0 42.0#
84 129.2 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 58.795 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion: 65 Resp: 392592
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6

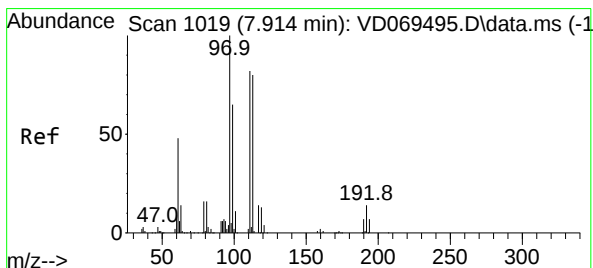
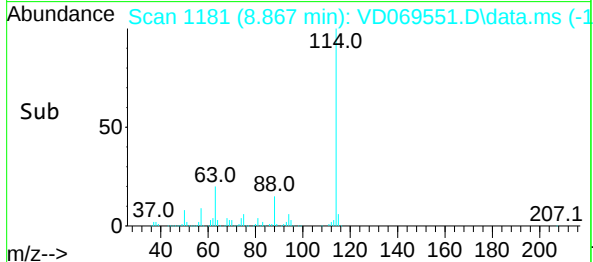
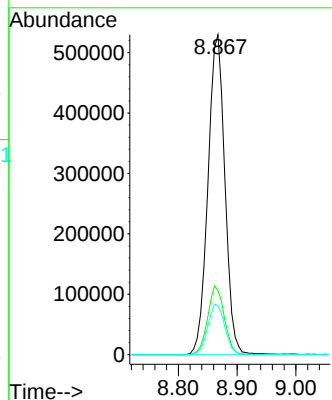
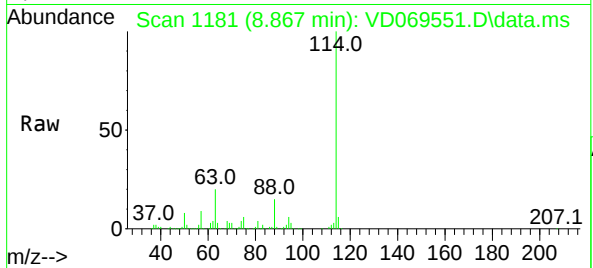




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

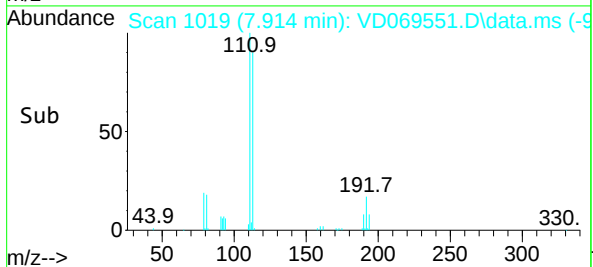
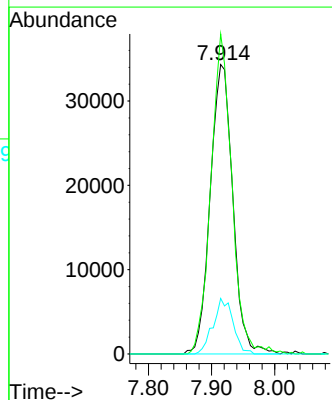
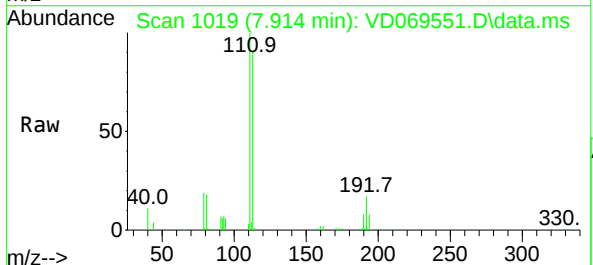
Instrument :
MSVOA_D
ClientSampleId :

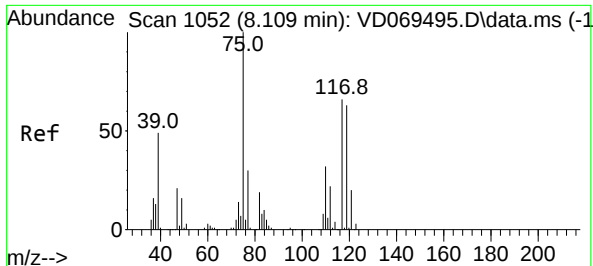
Tgt Ion:114 Resp: 1057421
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.6
88 15.3 0.0 29.8



#35
Dibromofluoromethane
Concen: 11.904 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion:113 Resp: 85088
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 17.0 13.8 20.6

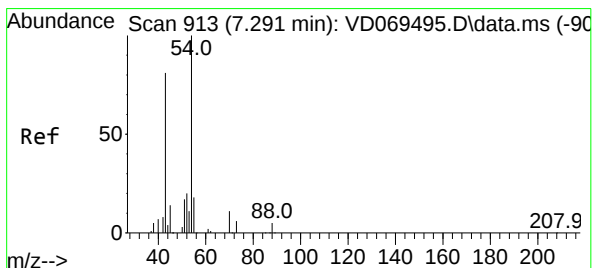
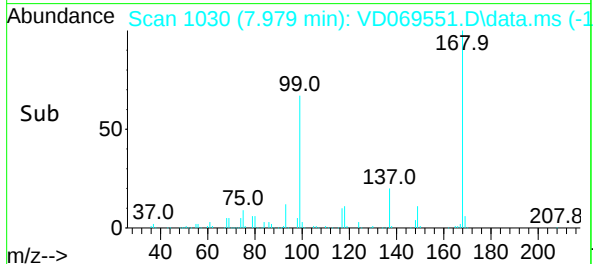
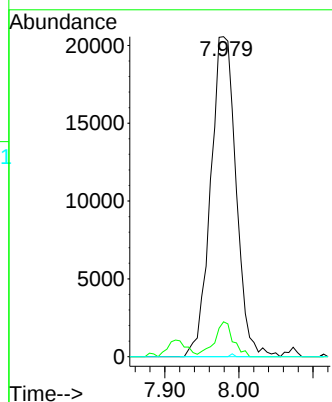
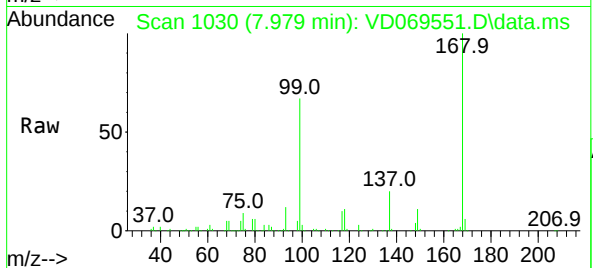




#36
1,1-Dichloropropene
Concen: 4.722 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

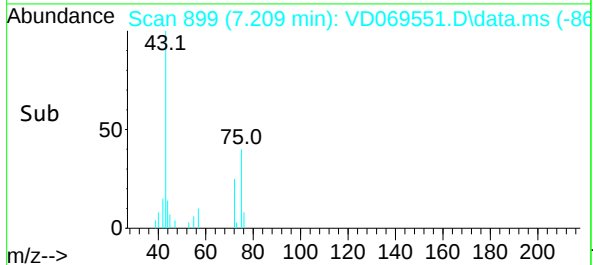
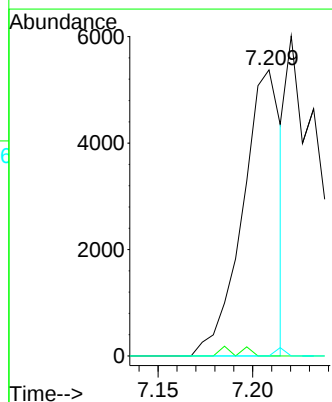
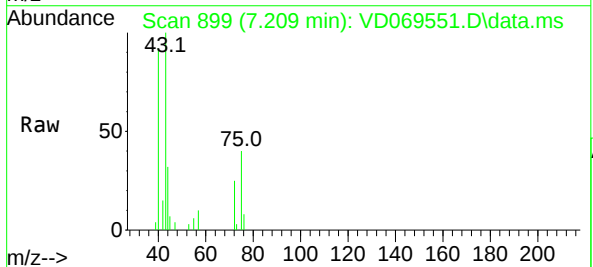
Instrument :
MSVOA_D
ClientSampleId :

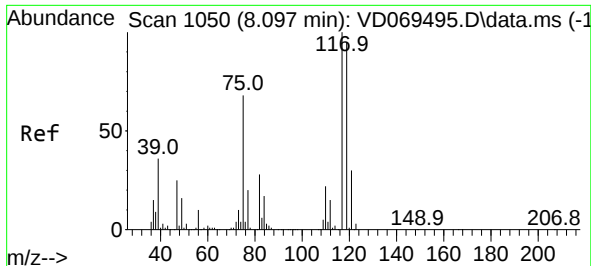
Tgt Ion: 75 Resp: 49005
Ion Ratio Lower Upper
75 100
110 8.0 16.8 50.4#
77 0.1 24.3 36.5#



#37
Ethyl Acetate
Concen: 1.976 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion: 43 Resp: 7610
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.7 9.5 14.3#

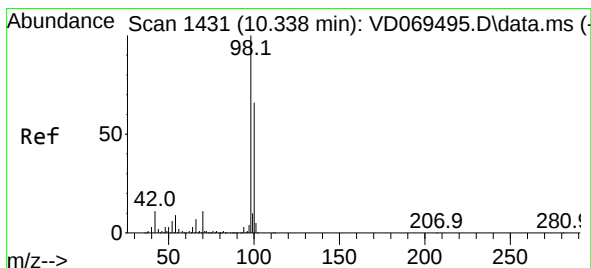
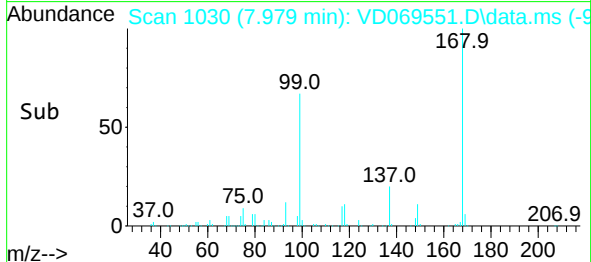
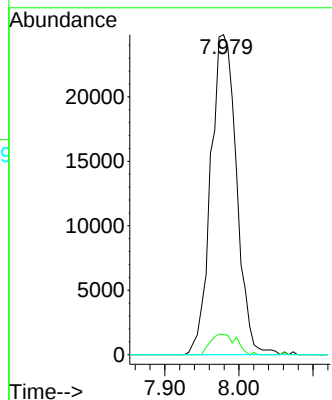
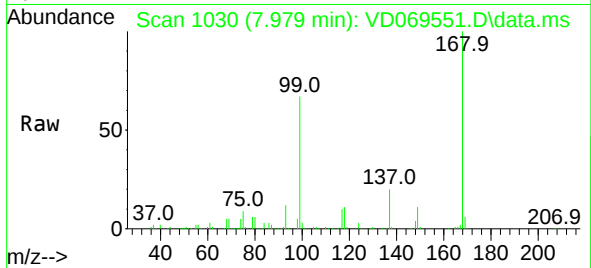




#38
Carbon Tetrachloride
Concen: 5.840 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

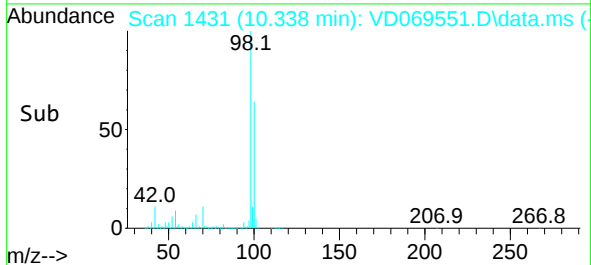
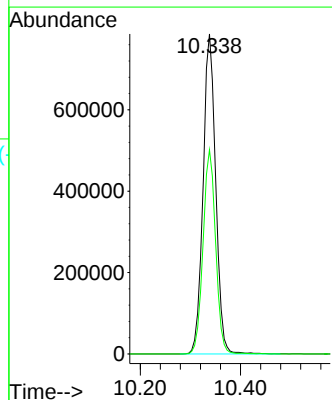
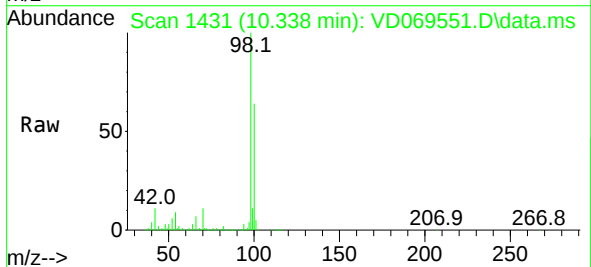
Instrument :
MSVOA_D
ClientSampleId :

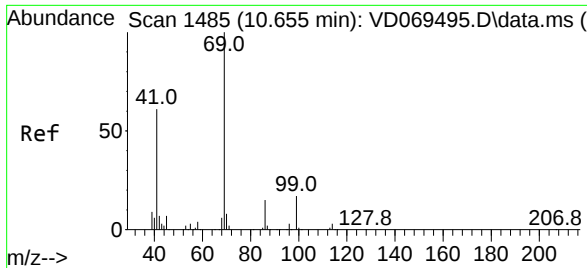
Tgt Ion:117 Resp: 59986
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 51.182 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion: 98 Resp: 1372260
Ion Ratio Lower Upper
98 100
100 63.7 52.3 78.5

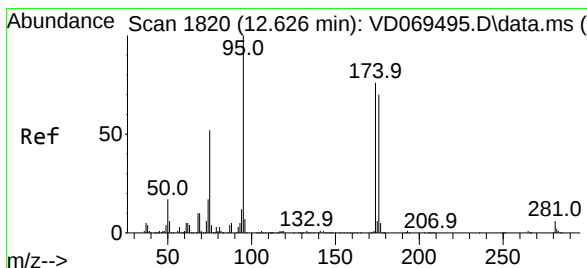
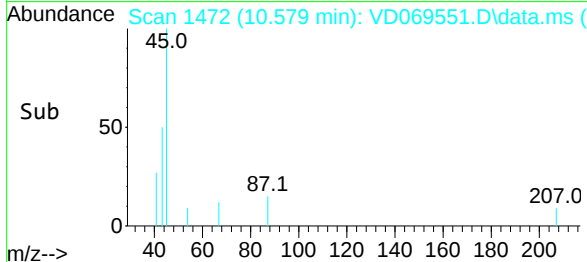
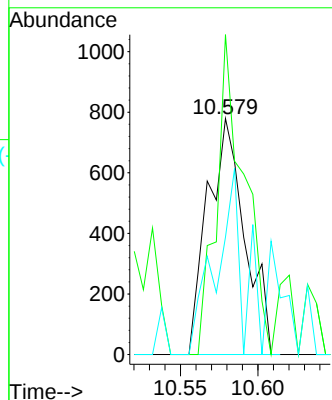
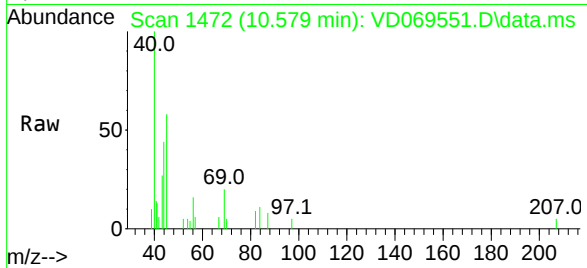




#56
Ethyl methacrylate
Concen: 2.766 ug/l
RT: 10.579 min Scan# 1472
Delta R.T. -0.076 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

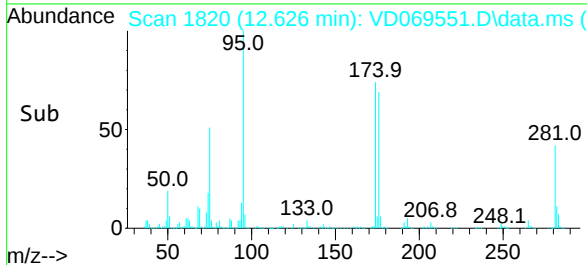
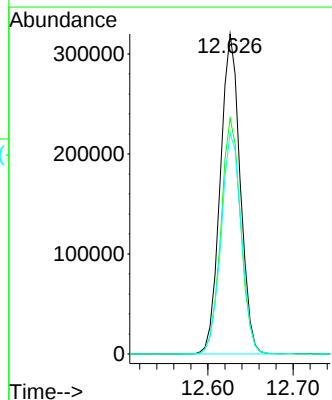
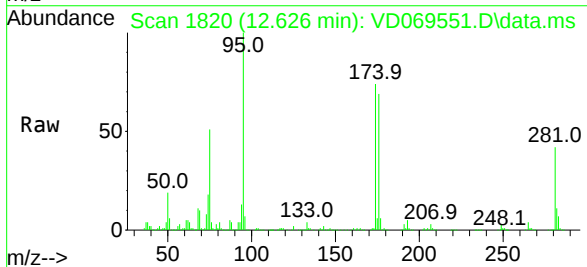
Instrument :
MSVOA_D
ClientSampleId :

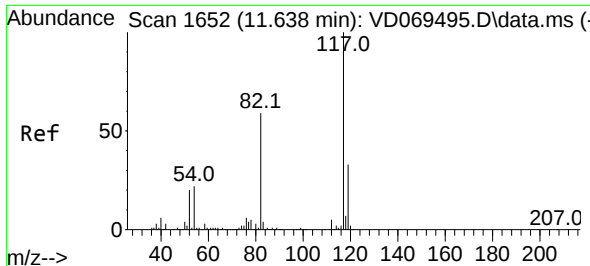
Tgt Ion:	69	Resp:	1298
Ion	Ratio	Lower	Upper
69	100		
41	101.4	49.4	74.0#
39	58.4	26.9	40.3#



#62
4-Bromofluorobenzene
Concen: 58.718 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

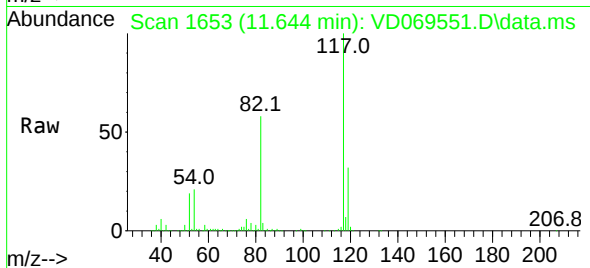
Tgt Ion:	95	Resp:	517567
Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	148.0
176	70.4	0.0	139.8





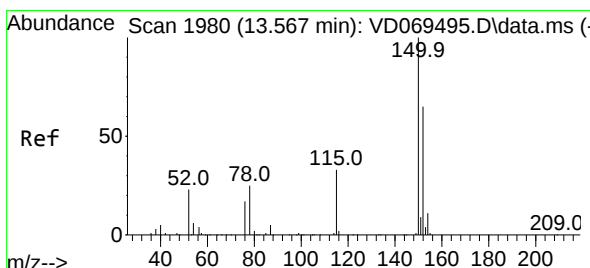
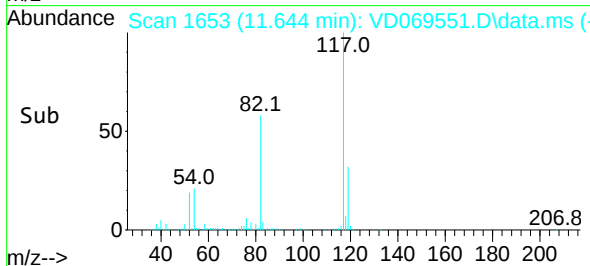
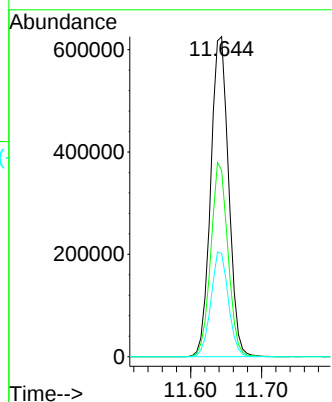
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion:117 Resp: 1093452

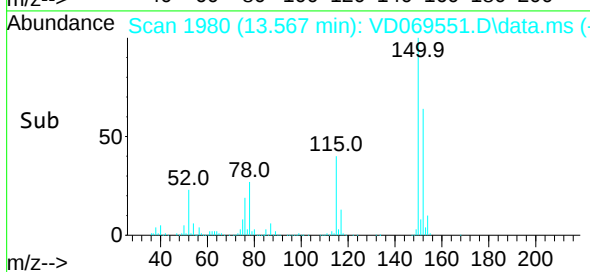
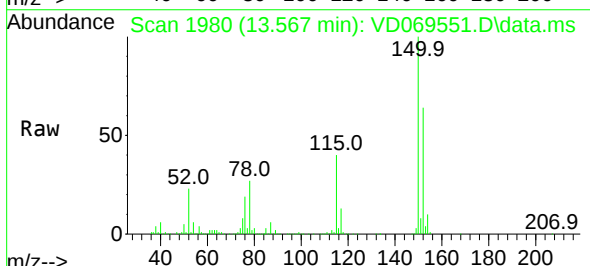
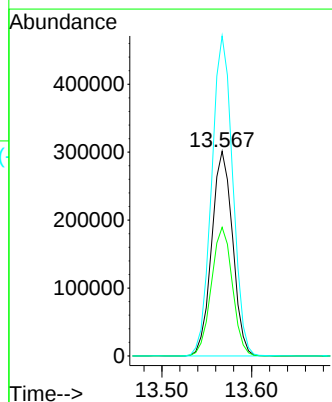
Ion	Ratio	Lower	Upper
117	100		
82	58.3	46.8	70.2
119	32.2	26.2	39.2

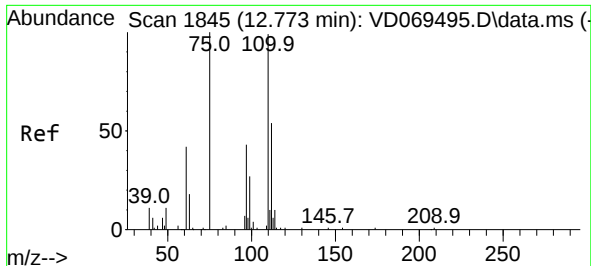


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion:152 Resp: 488369

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.7	95.1
150	157.6	0.0	350.8

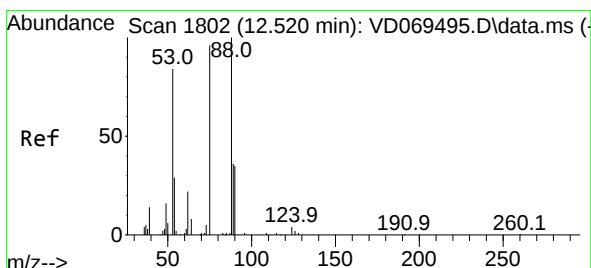
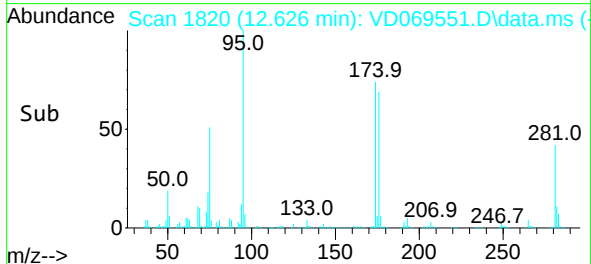
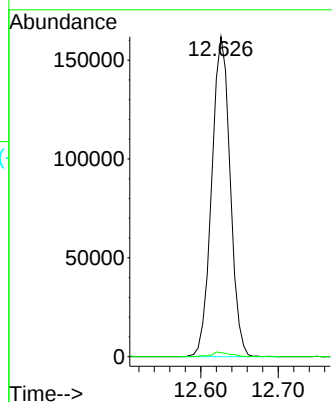
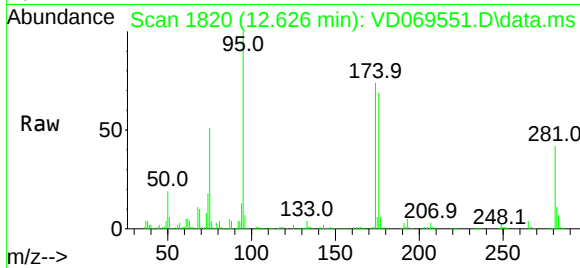




#76
1,2,3-Trichloropropane
Concen: 55.864 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

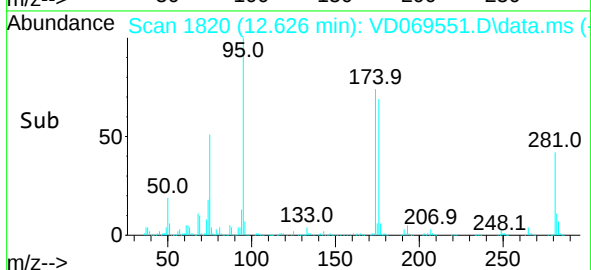
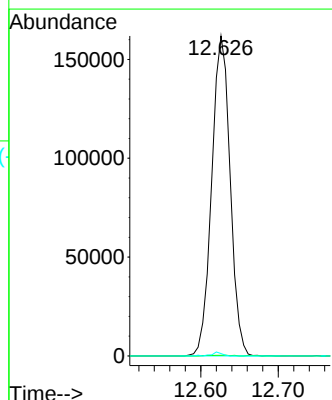
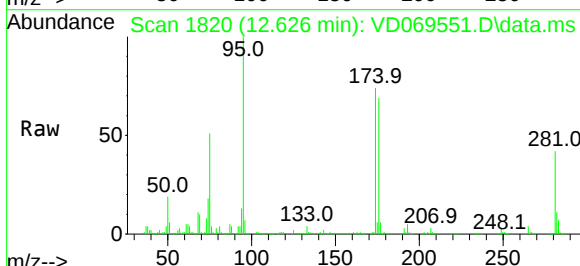
Instrument :
MSVOA_D
ClientSampleId :

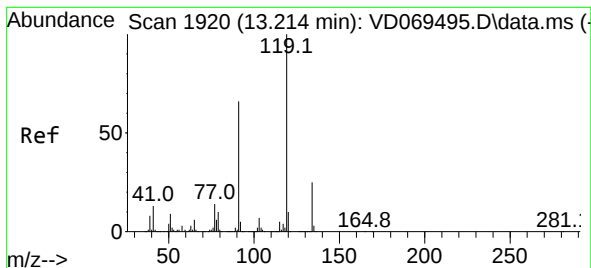
Tgt Ion: 75 Resp: 267808
Ion Ratio Lower Upper
75 100
77 1.5 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.484 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion: 75 Resp: 267808
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.7 35.3 52.9#

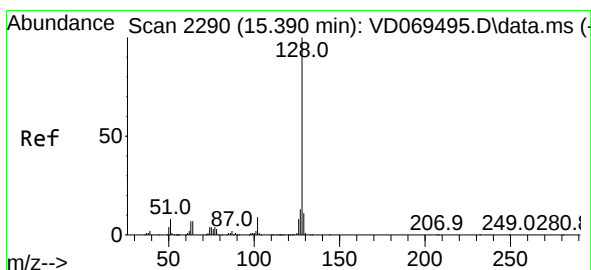
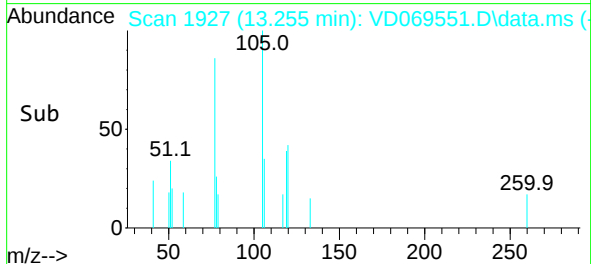
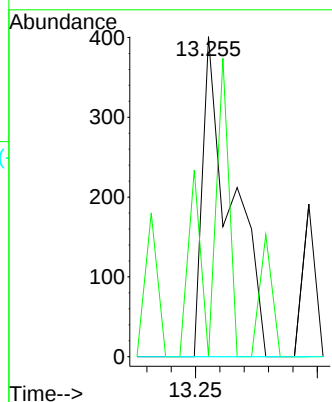
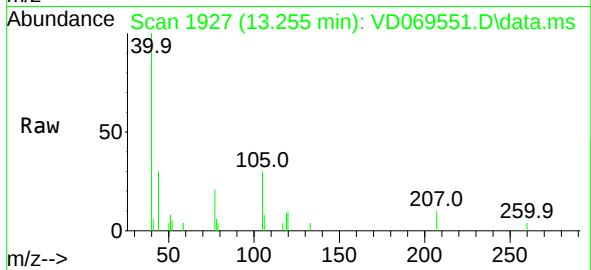




#83
tert-Butylbenzene
Concen: 2.005 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.041 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 330
Ion Ratio Lower Upper
119 100
91 65.2 32.5 97.4
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.873 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069551.D
Acq: 23 Jun 2021 18:07

Tgt Ion:128 Resp: 8461
Ion Ratio Lower Upper
128 100
127 12.1 10.6 16.0
129 14.1 8.7 13.1#

