

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069539.D
 Acq On : 23 Jun 2021 12:29
 Operator : VA/SY
 Sample : M2816-01
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:07:26 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)

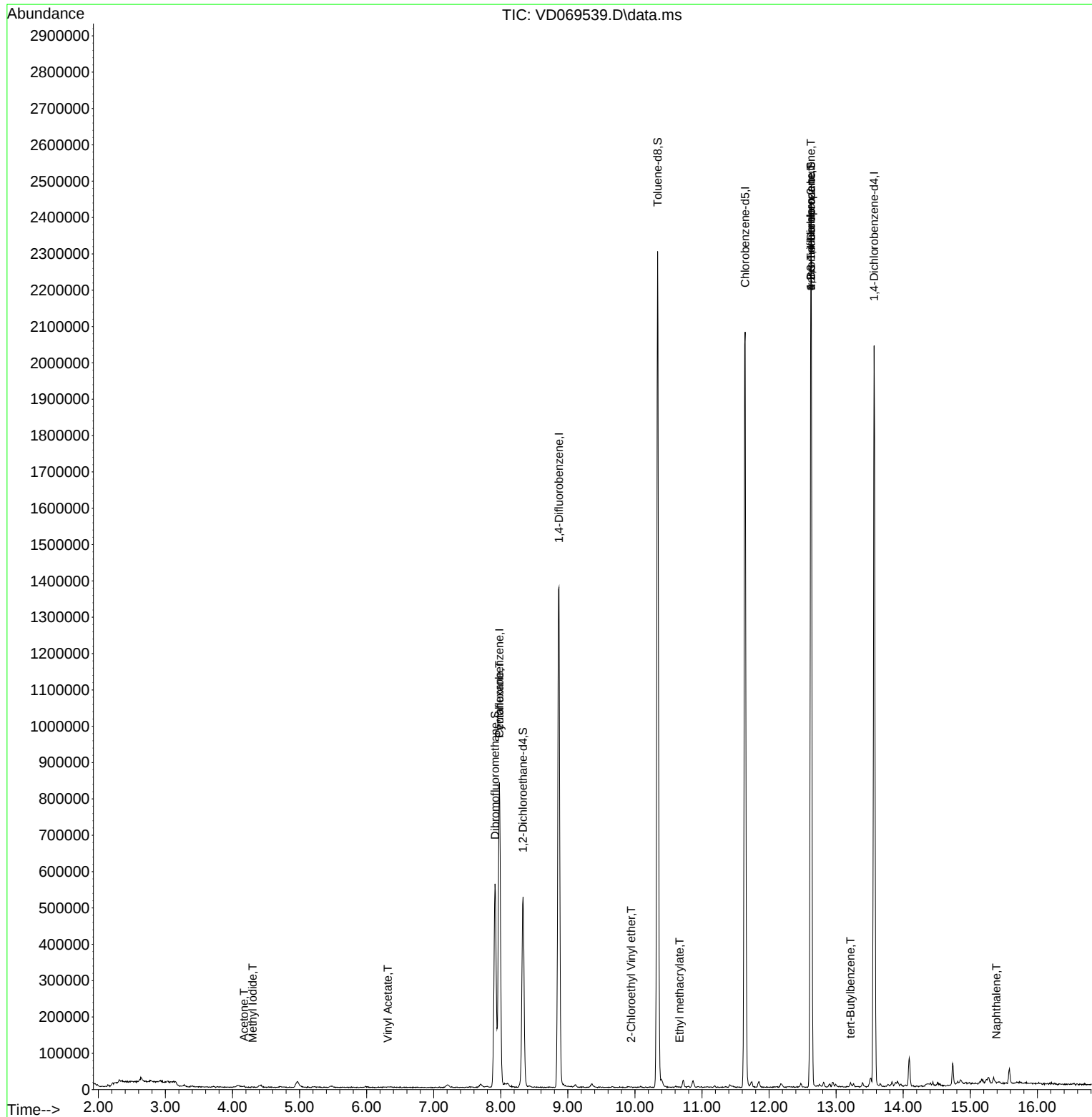
Internal Standards						
1) Pentafluorobenzene	7.979	168	575146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1175159	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1195000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	506478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	427455	59.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.240%			
35) Dibromofluoromethane	7.914	113	407324	51.275	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.560%			
50) Toluene-d8	10.338	98	1529250	51.323	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.626	95	568988	58.084	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.160%			
Target Compounds						
5) Bromomethane	2.779	94	2961	Below Cal	#	76
10) Methyl Iodide	4.303	142	1652	4.193	ug/l #	61
11) Tert butyl alcohol	5.226	59	1560	Below Cal	#	83
16) Acetone	4.173	43	4122	3.416	ug/l #	88
18) Methyl Acetate	4.726	43	273	Below Cal	#	49
20) Methylene Chloride	4.973	84	12708	Below Cal	#	86
23) Vinyl Acetate	6.314	43	664	19.071	ug/l #	70
31) Cyclohexane	7.979	56	17789	1.843	ug/l #	14
56) Ethyl methacrylate	10.667	69	511	2.647	ug/l #	62
58) 2-Chloroethyl Vinyl ether	9.944	63	271	10.667	ug/l #	63
76) 1,2,3-Trichloropropane	12.626	75	296093	59.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	296093	148.701	ug/l #	13
83) tert-Butylbenzene	13.214	119	4473	2.156	ug/l	95
95) Naphthalene	15.390	128	3950	3.588	ug/l #	92

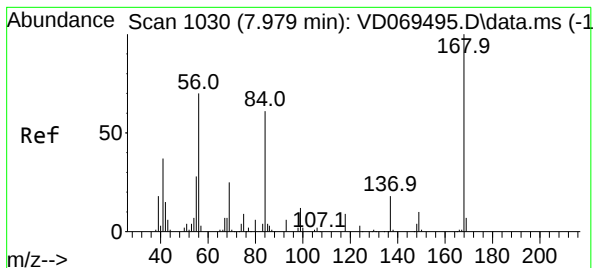
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 24 06:07:26 2021
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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: VD069539.D

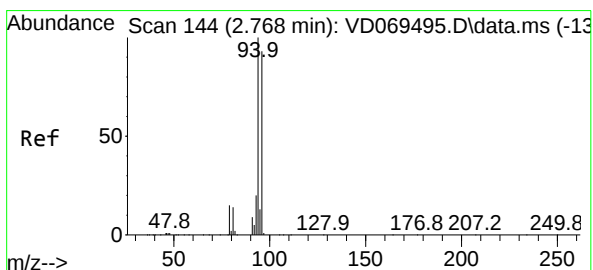
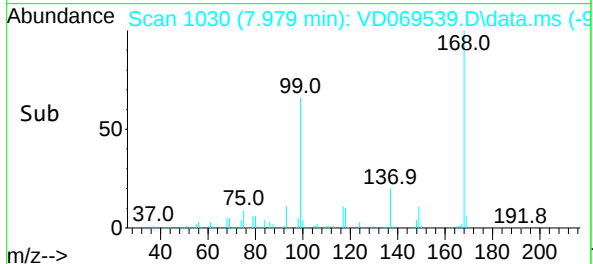
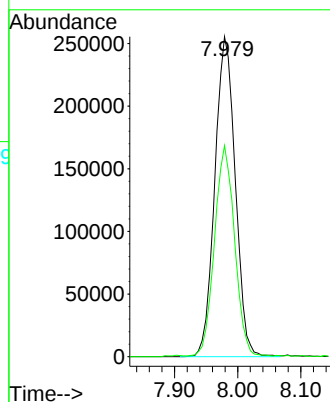
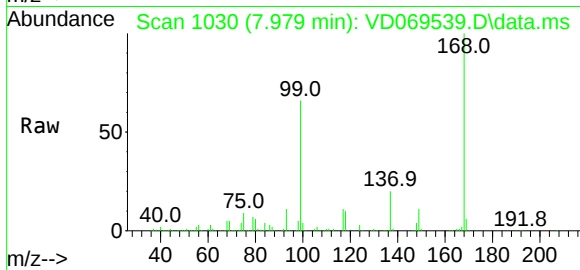
Acq: 23 Jun 2021 12:29

Tgt Ion:168 Resp: 575146

Ion Ratio Lower Upper

168 100

99 65.7 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.011 min

Lab File: VD069539.D

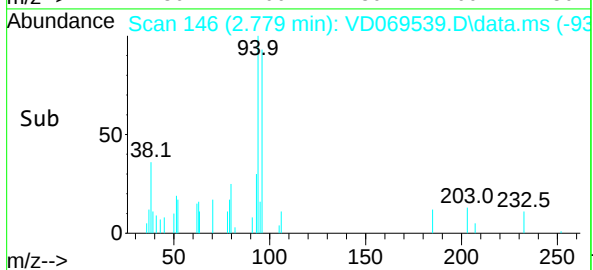
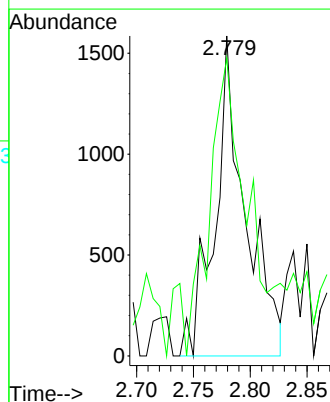
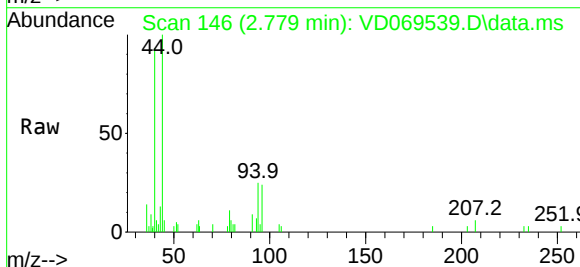
Acq: 23 Jun 2021 12:29

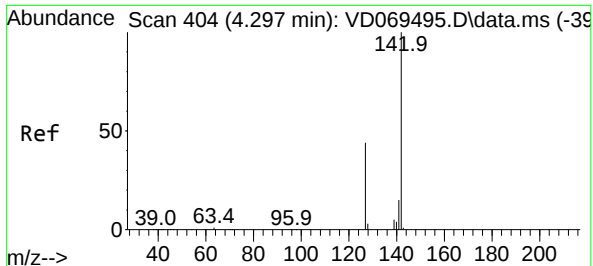
Tgt Ion: 94 Resp: 2961

Ion Ratio Lower Upper

94 100

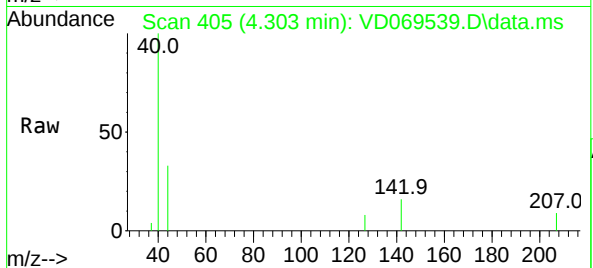
96 70.5 74.6 111.8#



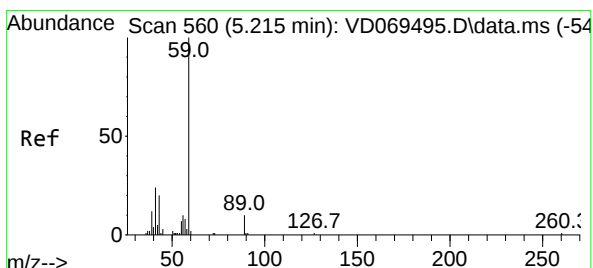
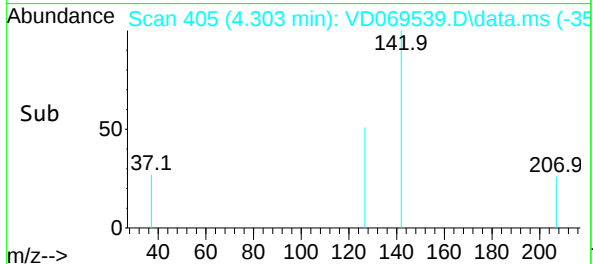
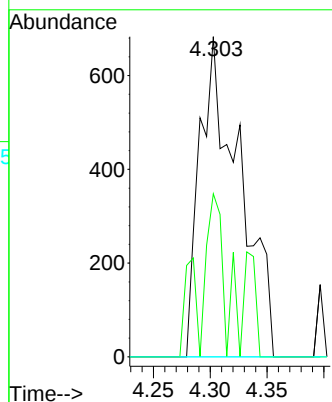


#10
Methyl Iodide
Concen: 4.193 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Instrument :
MSVOA_D
ClientSampleId :

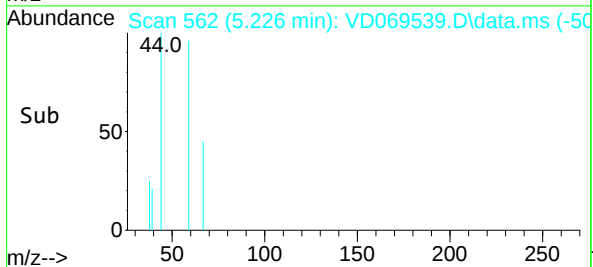
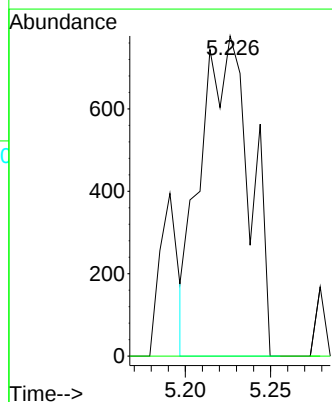
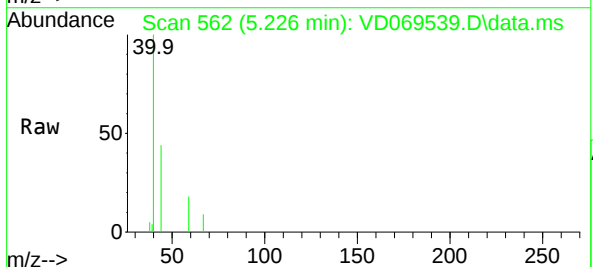


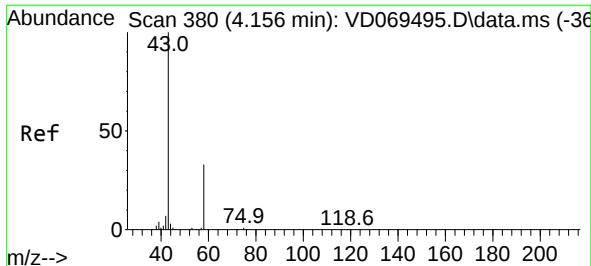
Tgt Ion:142 Resp: 1652
Ion Ratio Lower Upper
142 100
127 19.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.226 min Scan# 562
Delta R.T. 0.011 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Tgt Ion: 59 Resp: 1560
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

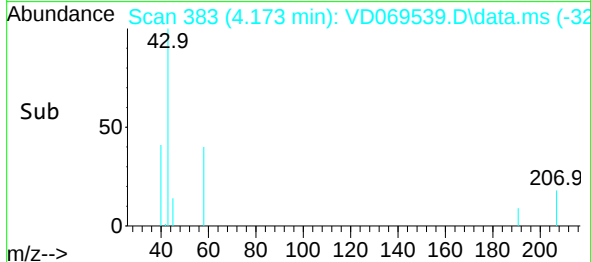
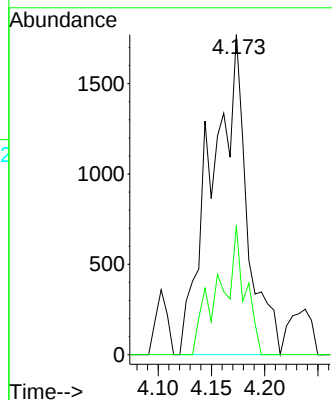
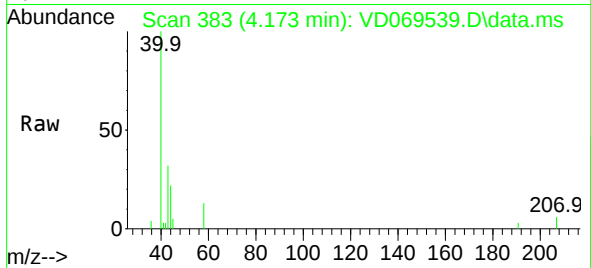




#16
Acetone
Concen: 3.416 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

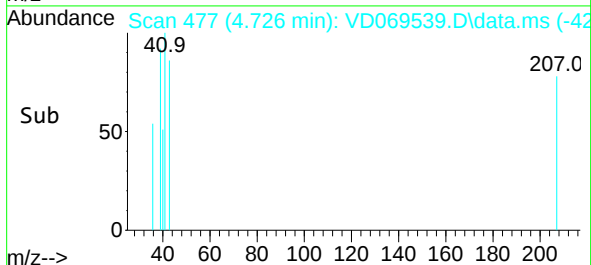
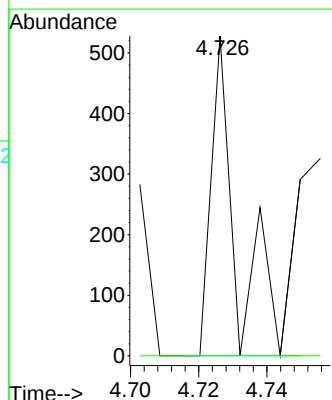
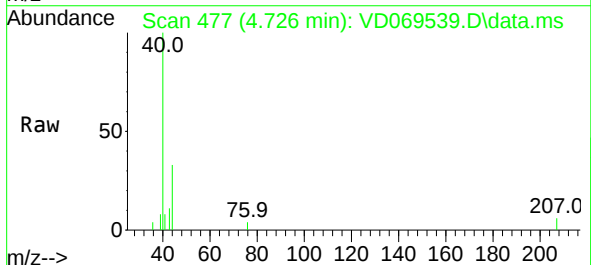
Instrument :
MSVOA_D
ClientSampleId :

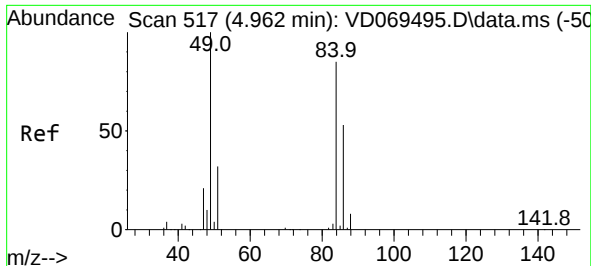
Tgt Ion: 43 Resp: 4122
Ion Ratio Lower Upper
43 100
58 40.4 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

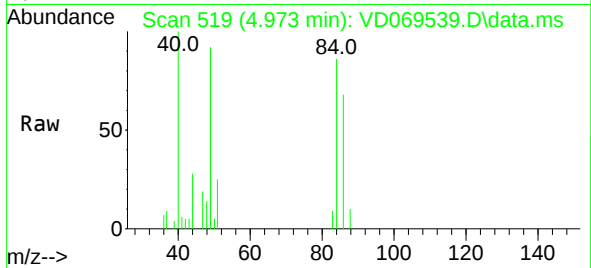
Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



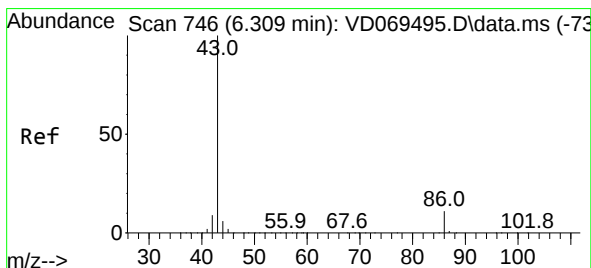
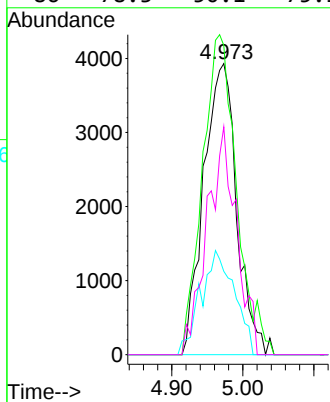
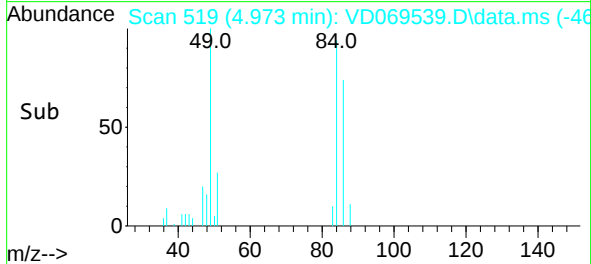


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

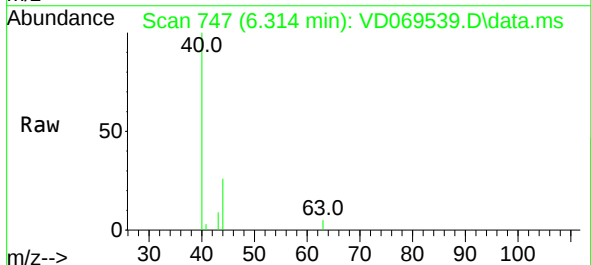
Instrument :
MSVOA_D
ClientSampled :



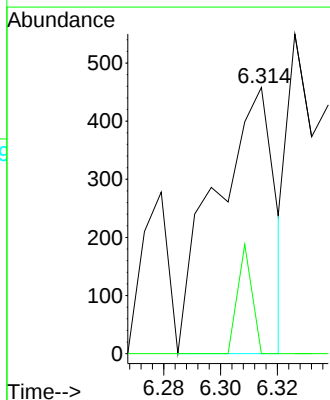
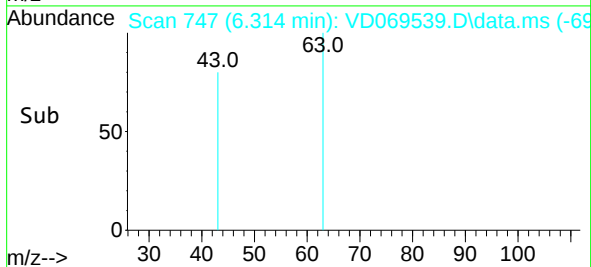
Tgt Ion: 84 Resp: 12708
Ion Ratio Lower Upper
84 100
49 106.3 94.0 141.0
51 28.7 29.7 44.5#
86 78.3 50.1 75.1#

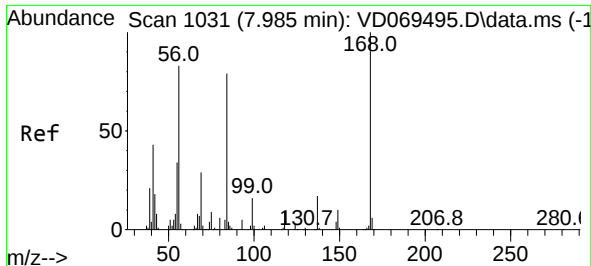


#23
Vinyl Acetate
Concen: 19.071 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.005 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29



Tgt Ion: 43 Resp: 664
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

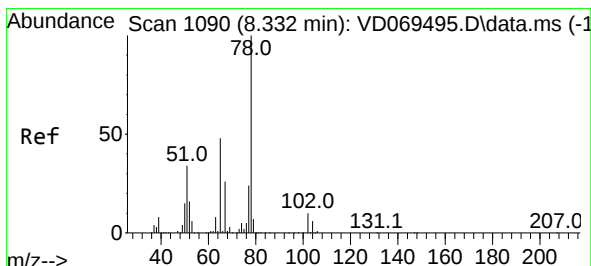
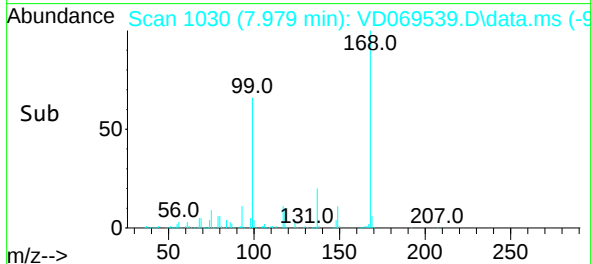
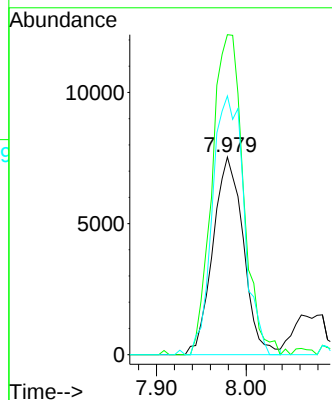
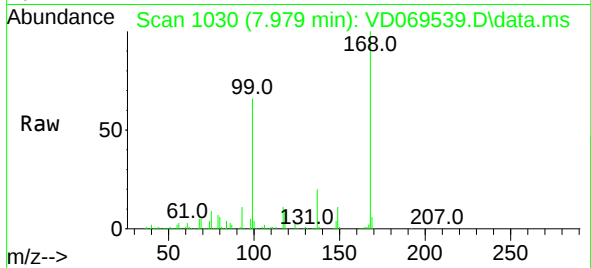




#31
Cyclohexane
Concen: 1.843 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

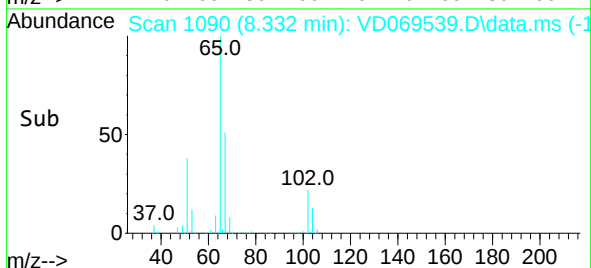
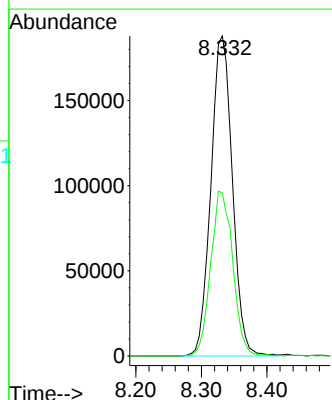
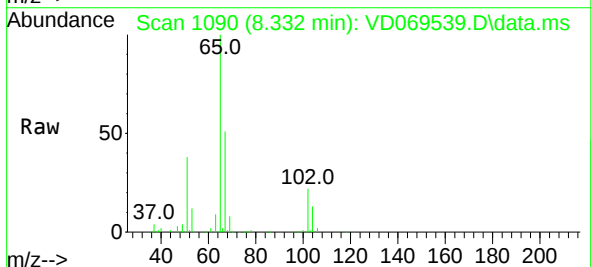
Instrument :
MSVOA_D
ClientSampleId :

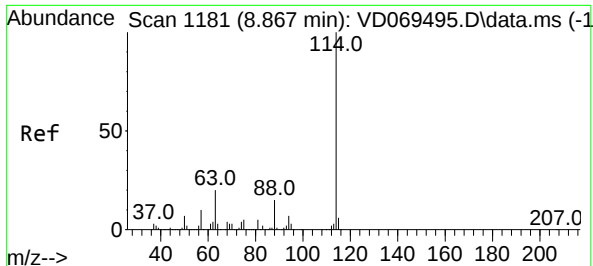
Tgt Ion: 56 Resp: 17789
Ion Ratio Lower Upper
56 100
69 162.0 28.0 42.0#
84 131.0 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 59.625 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Tgt Ion: 65 Resp: 427455
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6



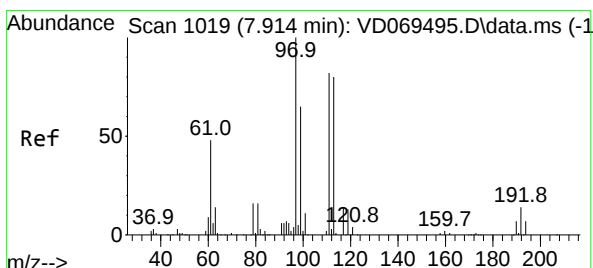
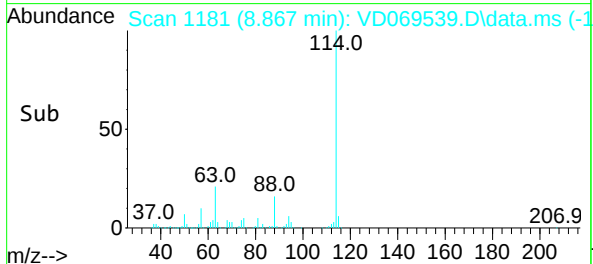
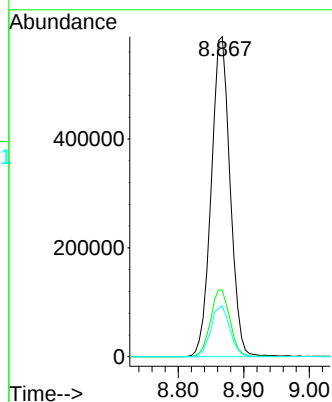
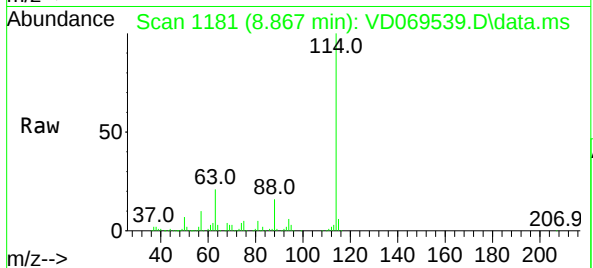


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Instrument :
MSVOA_D
ClientSampled :

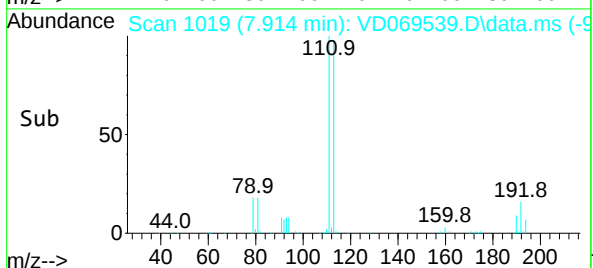
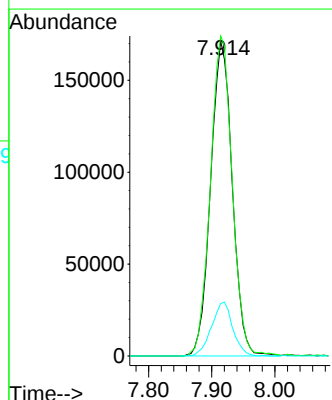
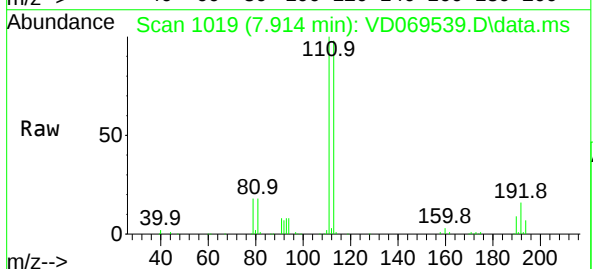
Tgt Ion:114 Resp: 1175159
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 15.9 0.0 29.8

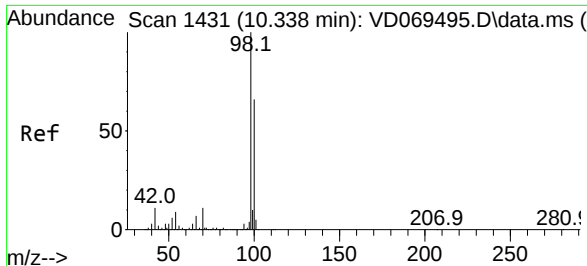


#35

Dibromofluoromethane
Concen: 51.275 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Tgt Ion:113 Resp: 407324
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 16.8 13.8 20.6

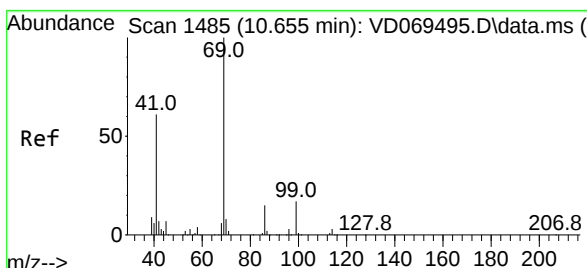
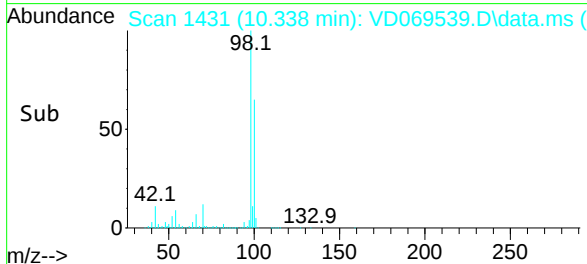
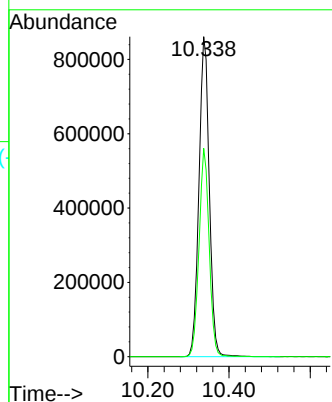
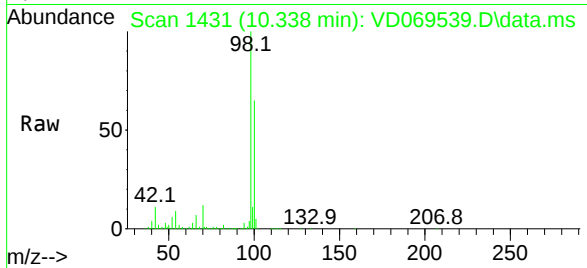




#50
Toluene-d8
Concen: 51.323 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

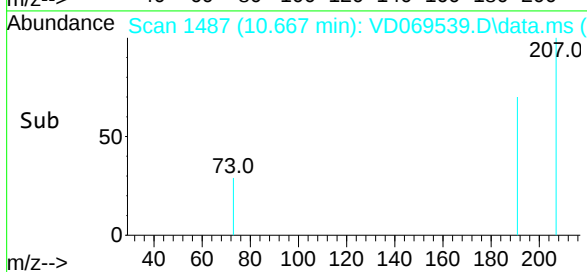
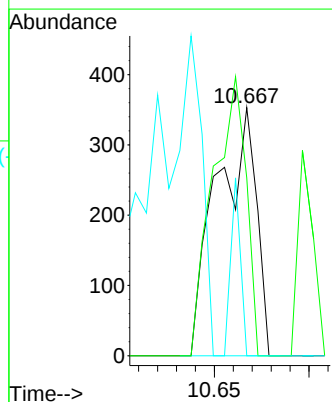
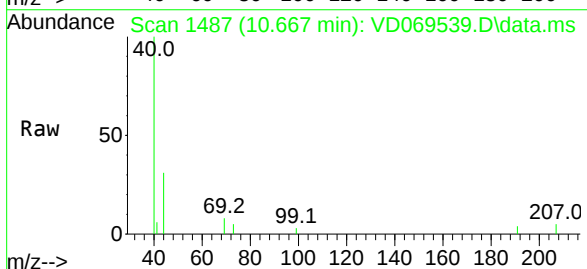
Instrument :
MSVOA_D
ClientSampled :

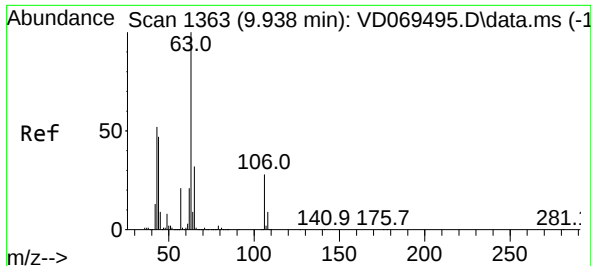
Tgt Ion: 98 Resp: 1529250
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.647 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Tgt Ion: 69 Resp: 511
Ion Ratio Lower Upper
69 100
41 94.3 49.4 74.0#
39 17.4 26.9 40.3#

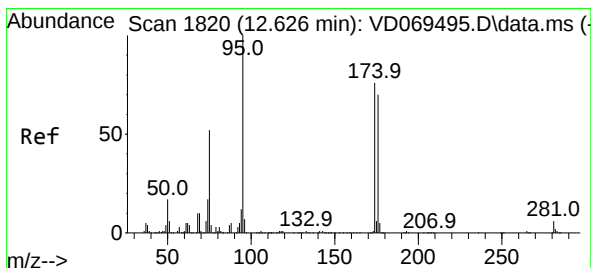
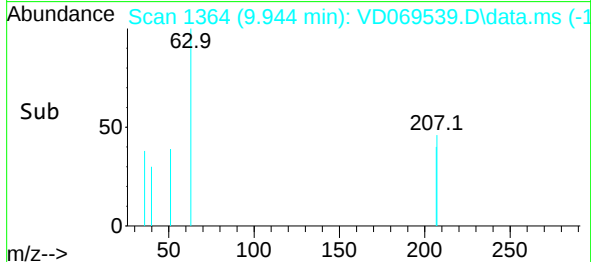
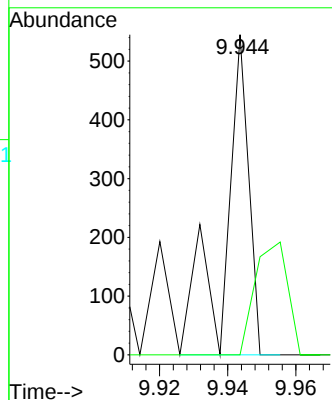
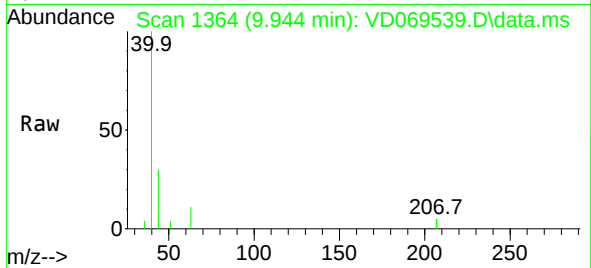




#58
2-Chloroethyl Vinyl ether
Concen: 10.667 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

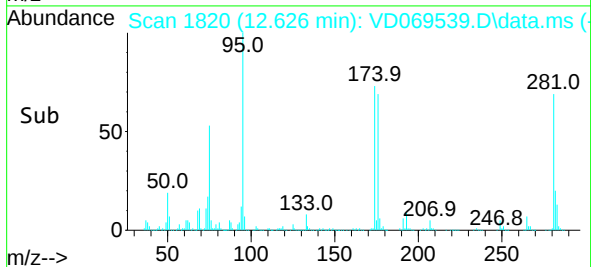
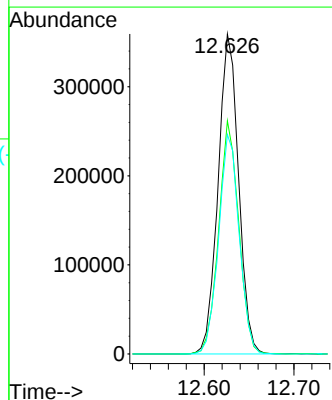
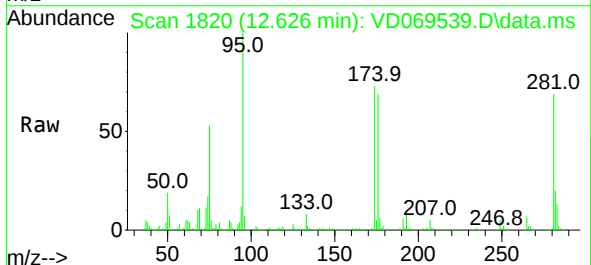
Instrument :
MSVOA_D
ClientSampled :

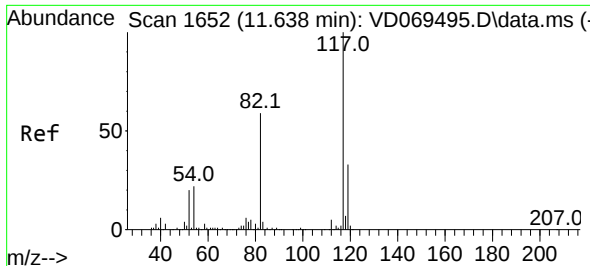
Tgt Ion: 63 Resp: 271
Ion Ratio Lower Upper
63 100
106 46.9 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 58.084 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

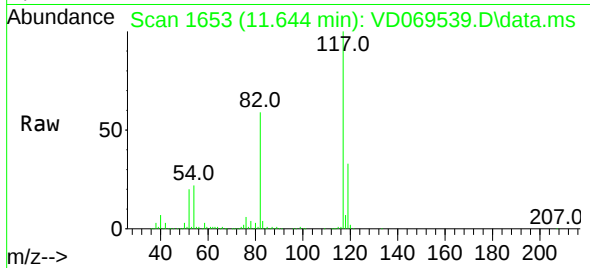
Tgt Ion: 95 Resp: 568988
Ion Ratio Lower Upper
95 100
174 71.6 0.0 148.0
176 68.8 0.0 139.8



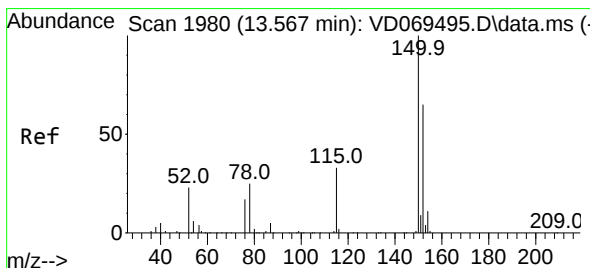
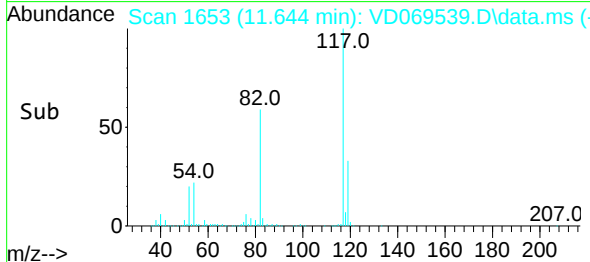
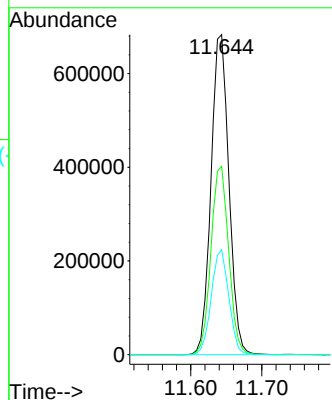


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Instrument :
MSVOA_D
ClientSampled :

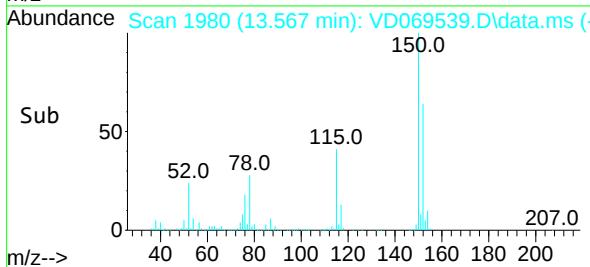
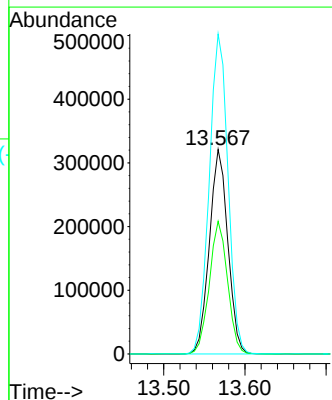
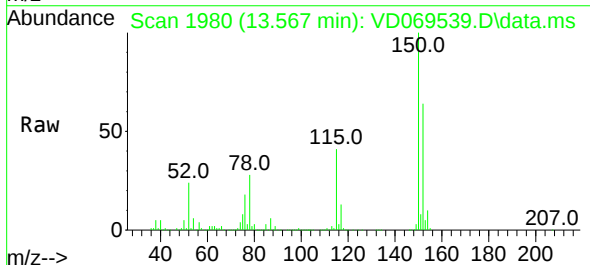


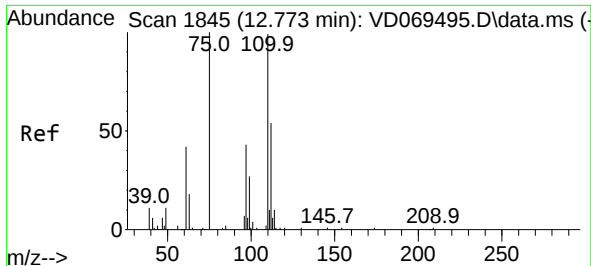
Tgt Ion:117 Resp: 1195000
Ion Ratio Lower Upper
117 100
82 58.9 46.8 70.2
119 32.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Tgt Ion:152 Resp: 506478
Ion Ratio Lower Upper
152 100
115 64.1 31.7 95.1
150 158.9 0.0 350.8

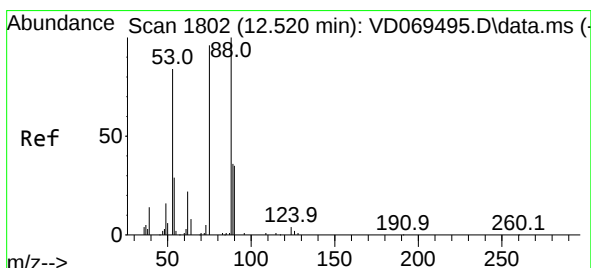
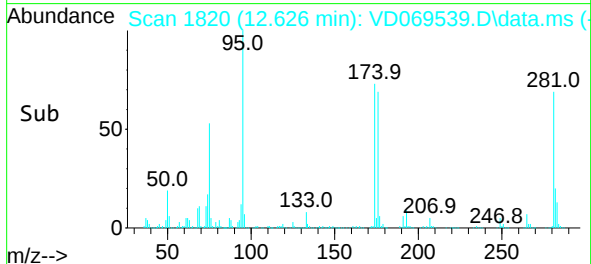
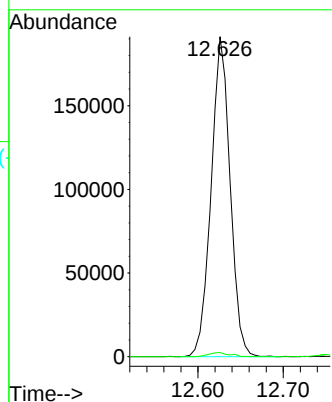
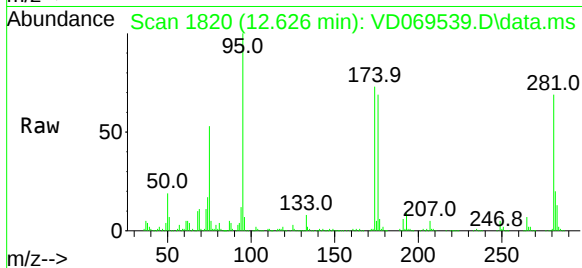




#76
1,2,3-Trichloropropane
Concen: 59.555 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

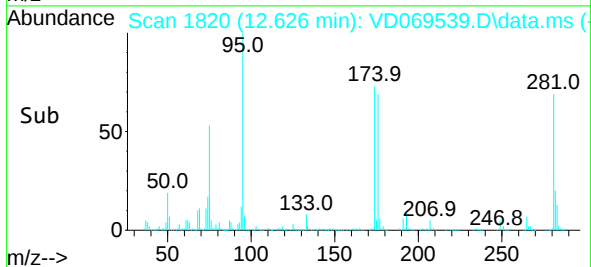
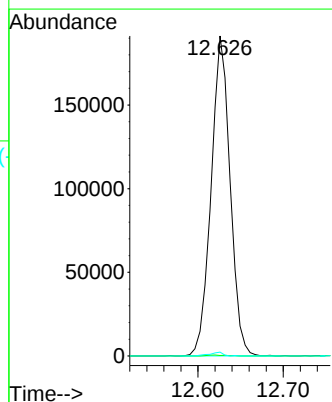
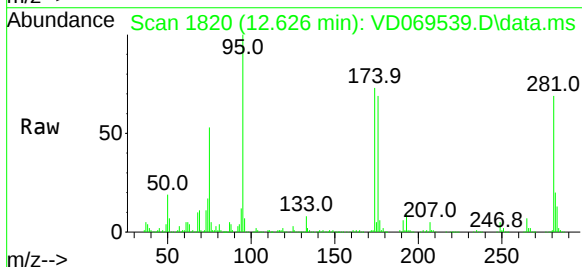
Instrument :
MSVOA_D
ClientSampleId :

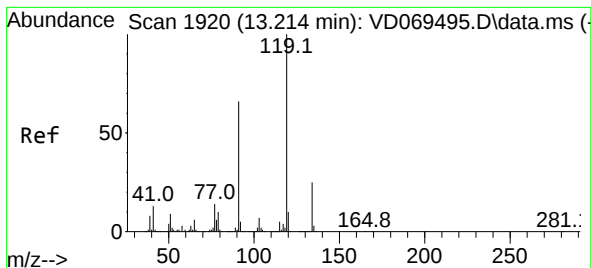
Tgt Ion: 75 Resp: 296093
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 148.701 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Tgt Ion: 75 Resp: 296093
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.9 35.3 52.9#

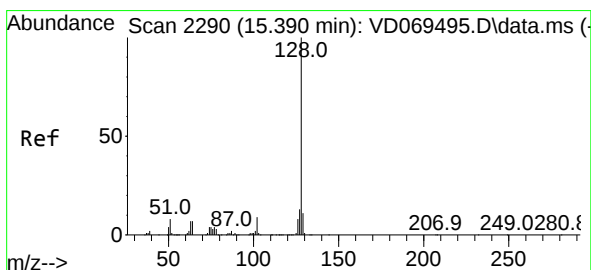
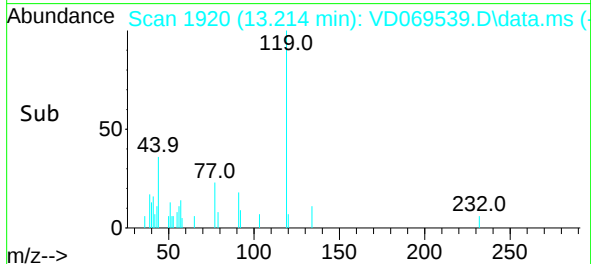
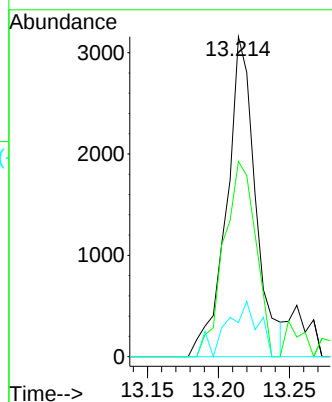
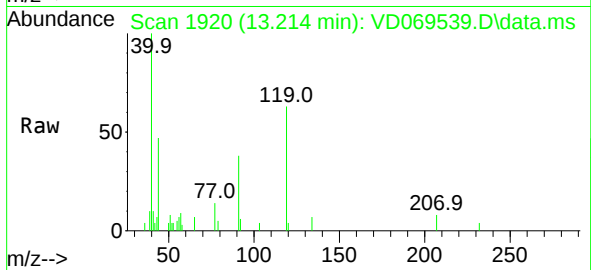




#83
tert-Butylbenzene
Concen: 2.156 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:119 Resp: 4473
Ion Ratio Lower Upper
119 100
91 66.9 32.5 97.4
134 19.4 12.9 38.7



#95
Naphthalene
Concen: 3.588 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069539.D
Acq: 23 Jun 2021 12:29

Tgt Ion:128 Resp: 3950
Ion Ratio Lower Upper
128 100
127 8.2 10.6 16.0#
129 10.3 8.7 13.1

