

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069552.D
 Acq On : 23 Jun 2021 18:35
 Operator : VA/SY
 Sample : M2833-02
 Misc : 5.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:11:00 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)

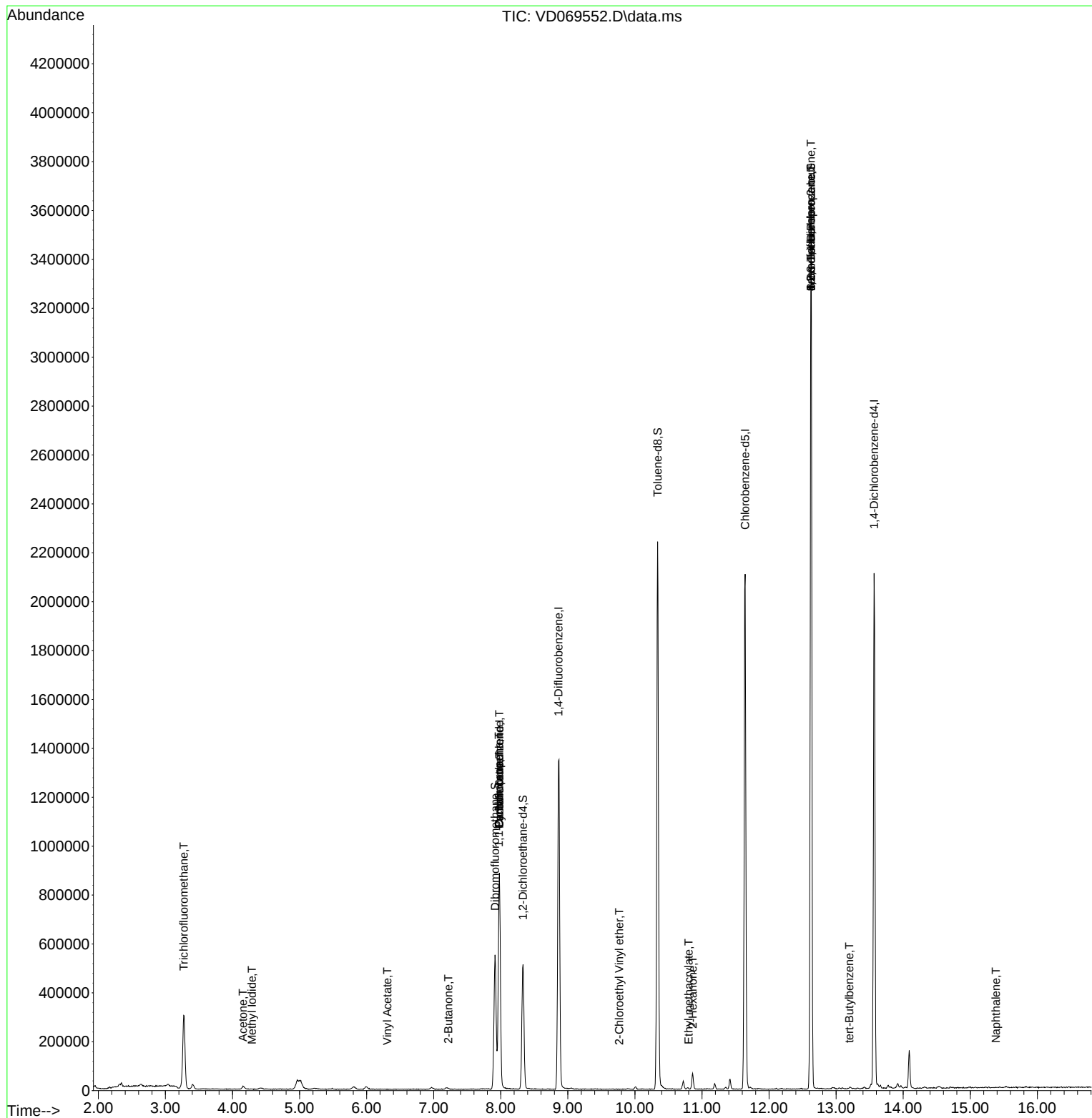
Internal Standards						
1) Pentafluorobenzene	7.979	168	600141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1164869	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1214785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	541212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	418476	55.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.880%
35) Dibromofluoromethane	7.914	113	392504	49.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.338	98	1510525	51.142	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.280%
62) 4-Bromofluorobenzene	12.626	95	614929	63.329	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	126.660%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1307	Below Cal	#	79
7) Trichlorofluoromethane	3.273	101	319470	28.660	ug/l	98
10) Methyl Iodide	4.291	142	189	3.968	ug/l #	72
11) Tert butyl alcohol	5.232	59	6823	Below Cal	#	86
16) Acetone	4.156	43	20066	15.937	ug/l #	85
18) Methyl Acetate	4.714	43	373	Below Cal	#	49
20) Methylene Chloride	4.967	84	24724	Below Cal		90
23) Vinyl Acetate	6.309	43	81	19.018	ug/l #	70
25) 2-Butanone	7.220	43	2292	1.433	ug/l #	76
31) Cyclohexane	7.979	56	15895	1.578	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	57321	5.014	ug/l #	51
38) Carbon Tetrachloride	7.979	117	66343	5.863	ug/l #	18
56) Ethyl methacrylate	10.802	69	746	2.677	ug/l #	41
58) 2-Chloroethyl Vinyl ether	9.767	63	112	10.628	ug/l #	47
59) 2-Hexanone	10.861	43	20804	7.607	ug/l #	24
71) Bromoform	12.626	173	4533	1.018	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	331133	62.329	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	331133	155.626	ug/l #	13
83) tert-Butylbenzene	13.196	119	69	1.995	ug/l #	27
95) Naphthalene	15.385	128	1173	3.419	ug/l #	77

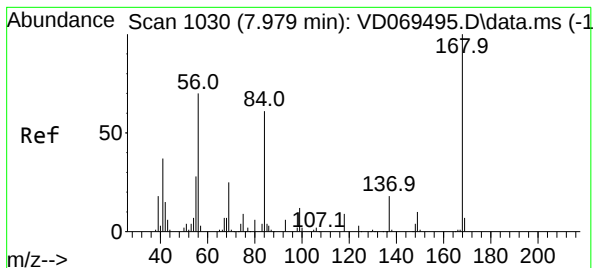
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

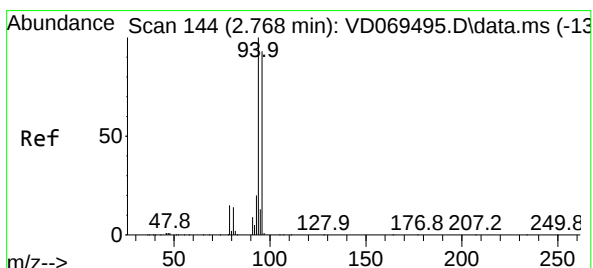
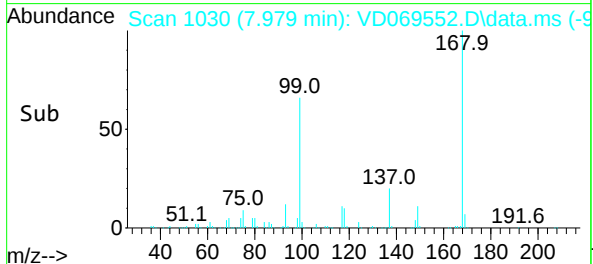
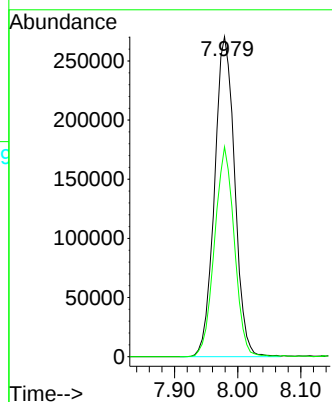
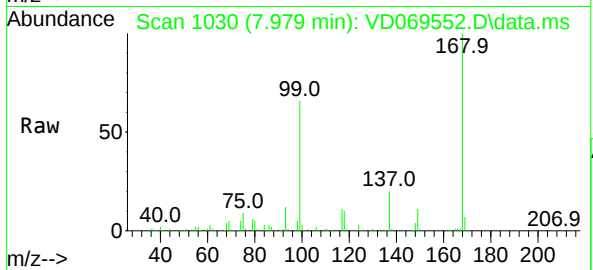




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

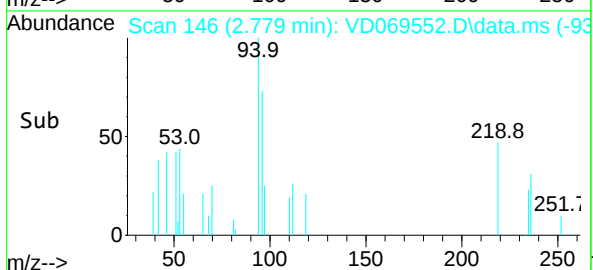
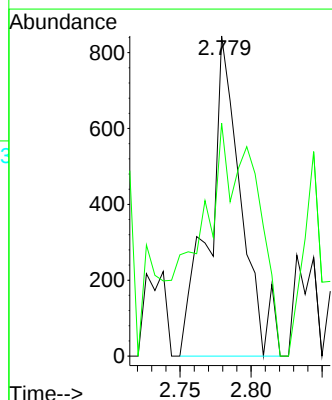
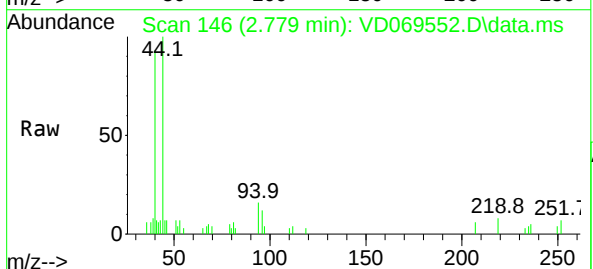
Instrument :
MSVOA_D
ClientSampleId :

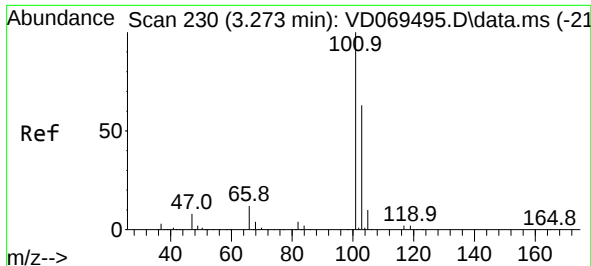
Tgt Ion:168 Resp: 600141
Ion Ratio Lower Upper
168 100
99 65.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 94 Resp: 1307
Ion Ratio Lower Upper
94 100
96 72.7 74.6 111.8#

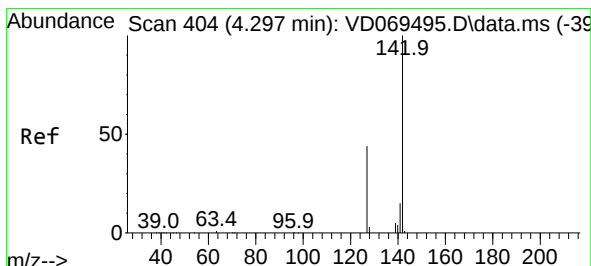
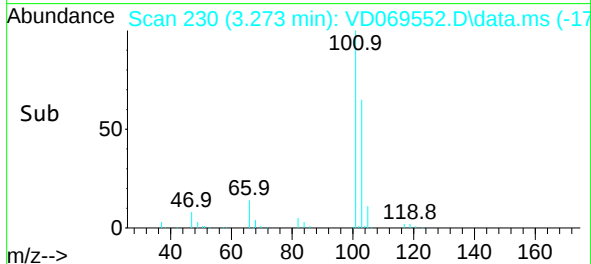
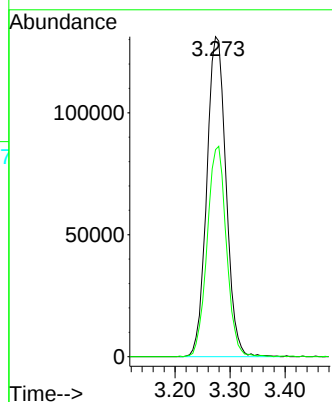
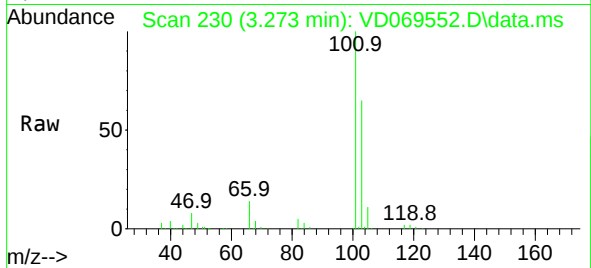




#7
Trichlorofluoromethane
Concen: 28.660 ug/l
RT: 3.273 min Scan# 230
Delta R.T. -0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

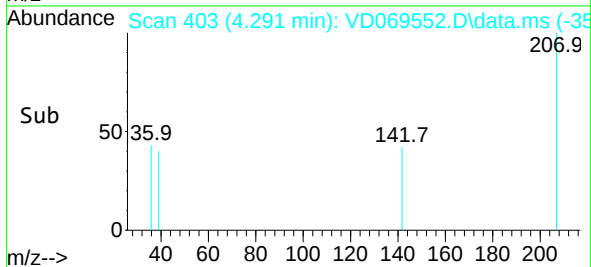
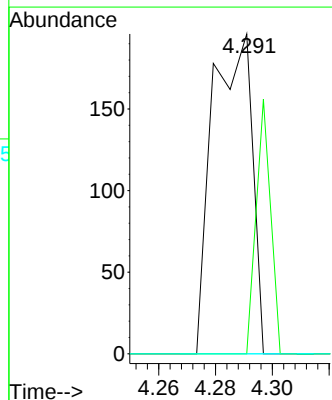
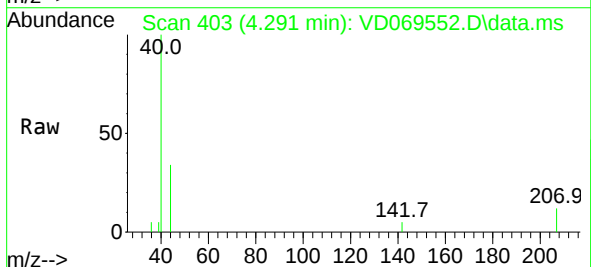
Instrument :
MSVOA_D
ClientSampleId :

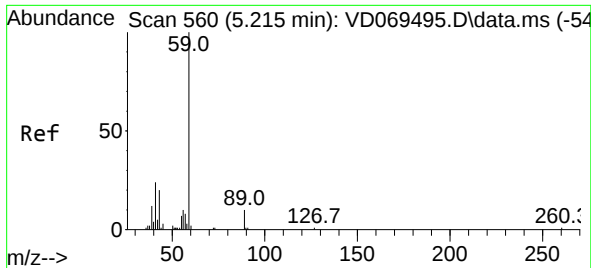
Tgt Ion:101 Resp: 319470
Ion Ratio Lower Upper
101 100
103 64.5 50.6 75.8



#10
Methyl Iodide
Concen: 3.968 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion:142 Resp: 189
Ion Ratio Lower Upper
142 100
127 29.1 36.5 54.7#
141 0.0 12.0 18.0#

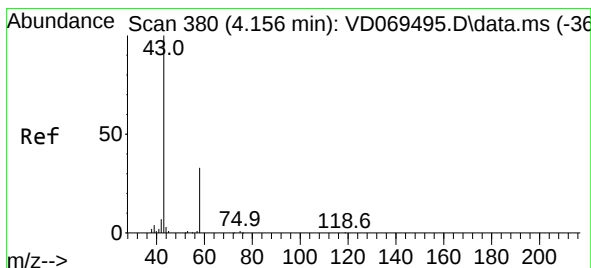
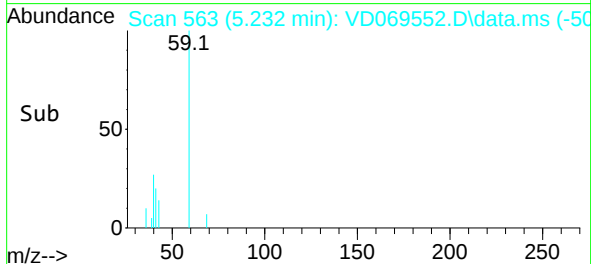
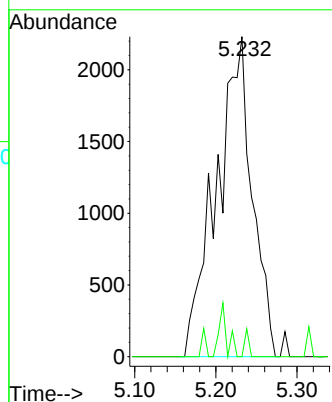
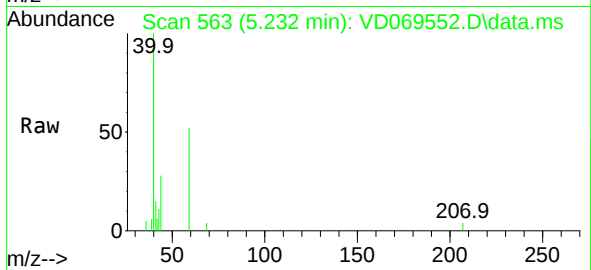




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.232 min Scan# 563
Delta R.T. 0.017 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

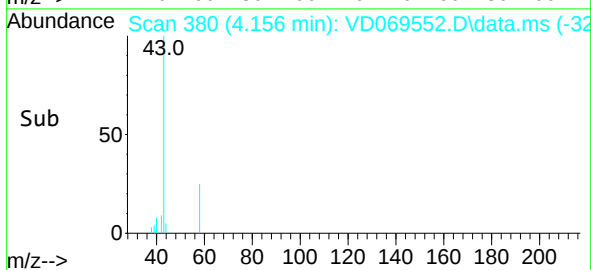
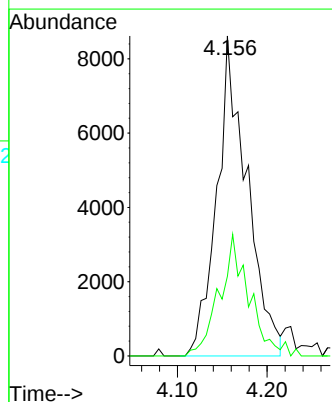
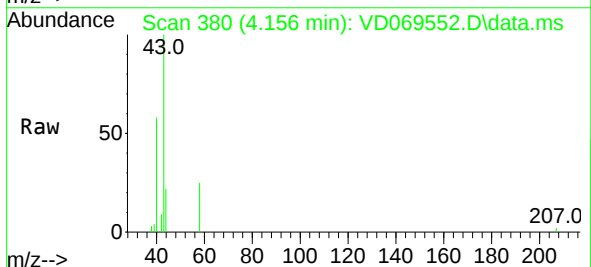
Instrument :
MSVOA_D
ClientSampled :

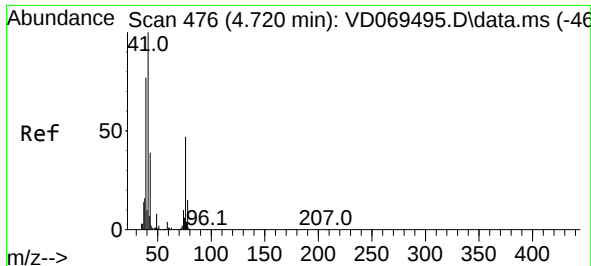
Tgt Ion: 59 Resp: 6823
Ion Ratio Lower Upper
59 100
57 1.0 4.6 7.0#



#16
Acetone
Concen: 15.937 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 43 Resp: 20066
Ion Ratio Lower Upper
43 100
58 24.9 26.8 40.2#

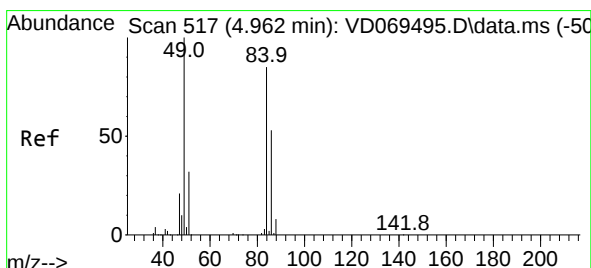
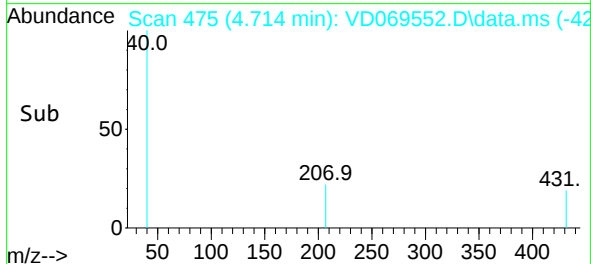
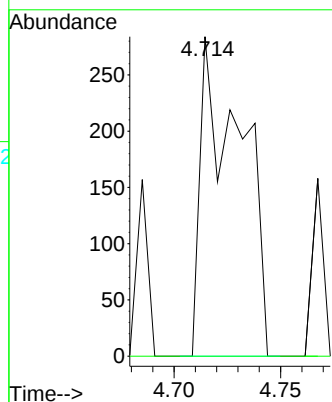
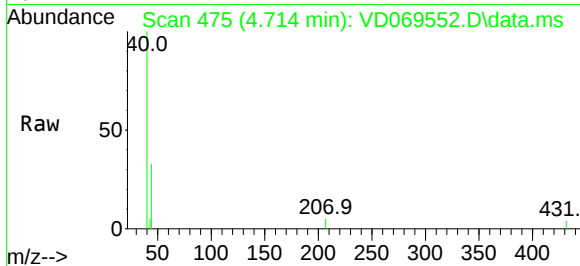




#18
Methyl Acetate
Concen: Below Cal
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

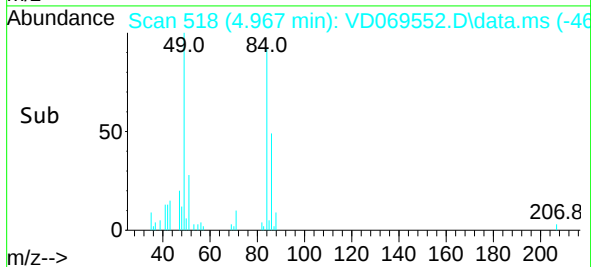
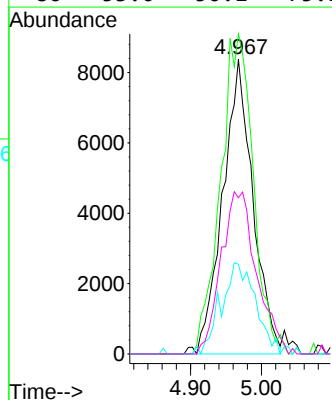
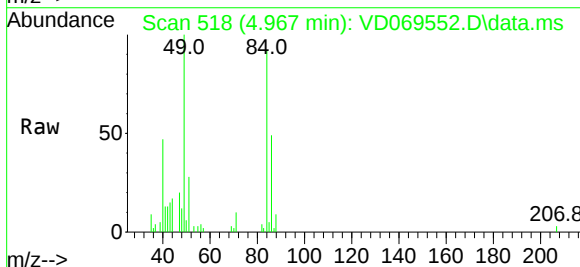
Instrument :
MSVOA_D
ClientSampled :

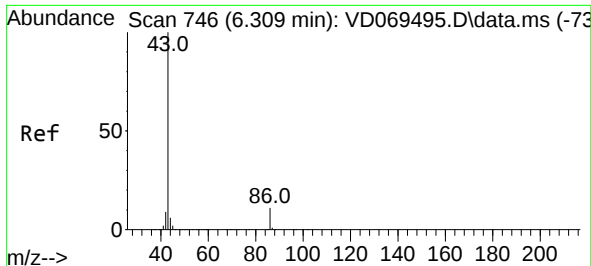
Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 84 Resp: 24724
Ion Ratio Lower Upper
84 100
49 108.6 94.0 141.0
51 30.4 29.7 44.5
86 53.0 50.1 75.1

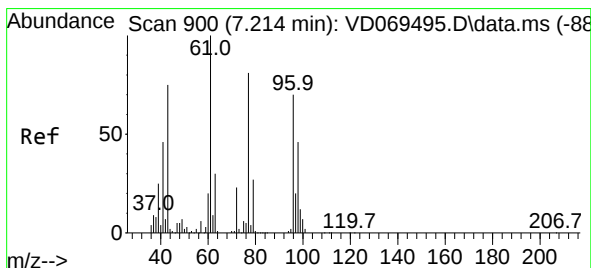
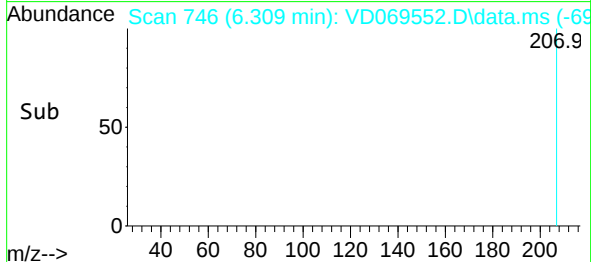
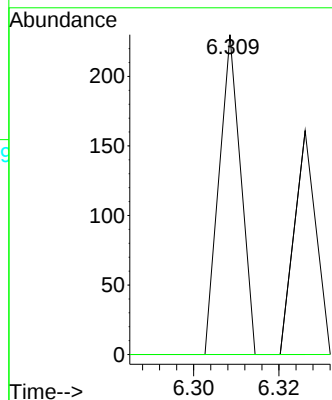
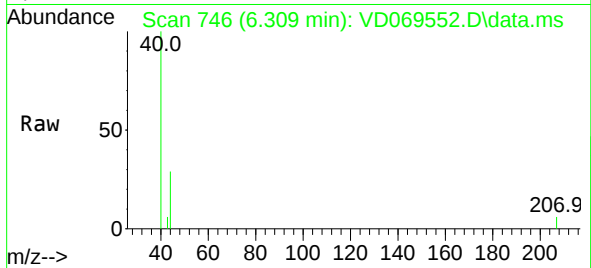




#23
 Vinyl Acetate
 Concen: 19.018 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD069552.D
 Acq: 23 Jun 2021 18:35

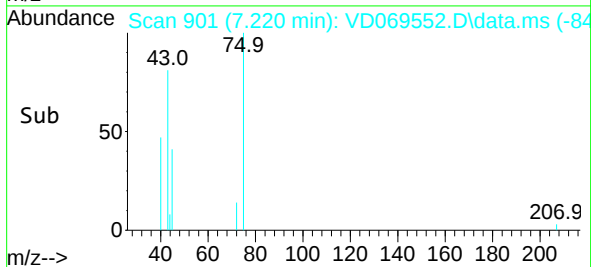
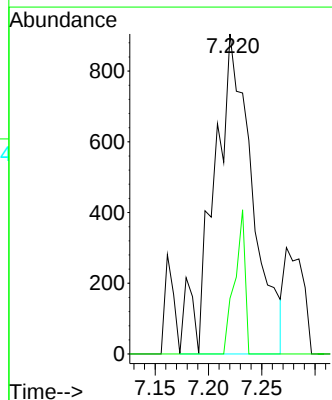
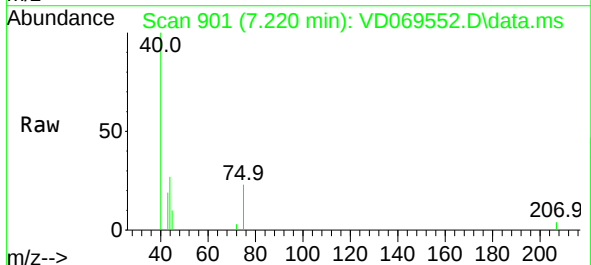
Instrument :
 MSVOA_D
 ClientSampled :

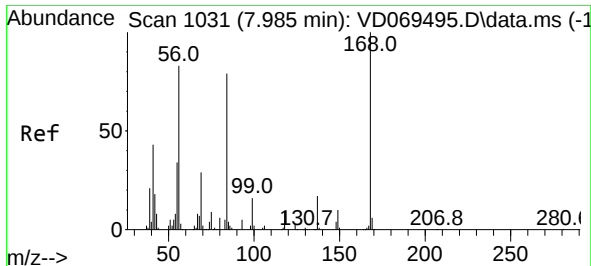
Tgt Ion: 43 Resp: 81
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 1.433 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.006 min
 Lab File: VD069552.D
 Acq: 23 Jun 2021 18:35

Tgt Ion: 43 Resp: 2292
 Ion Ratio Lower Upper
 43 100
 72 17.3 24.3 36.5#

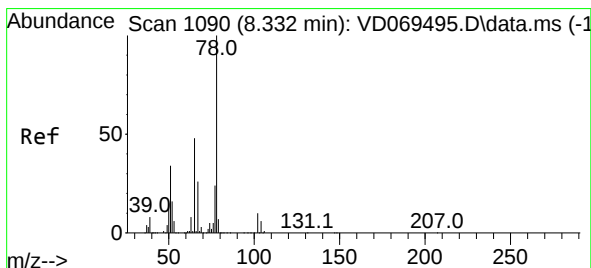
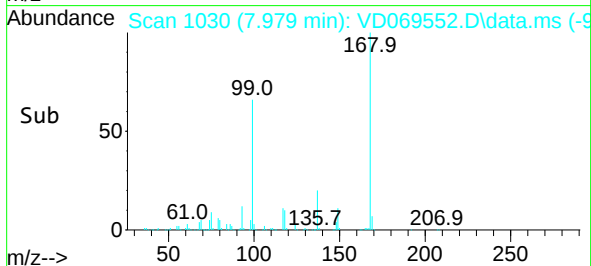
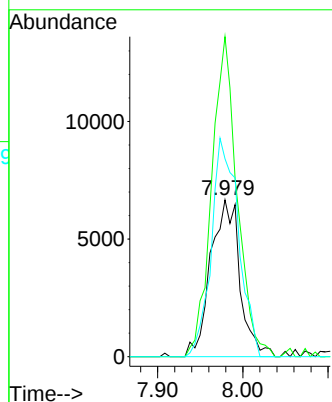
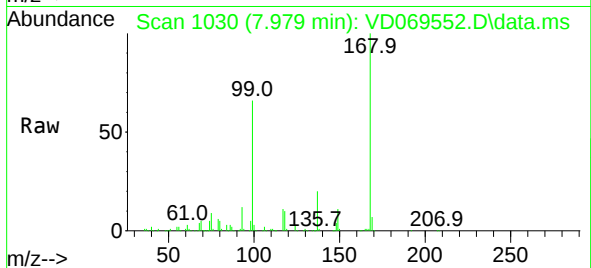




#31
Cyclohexane
Concen: 1.578 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

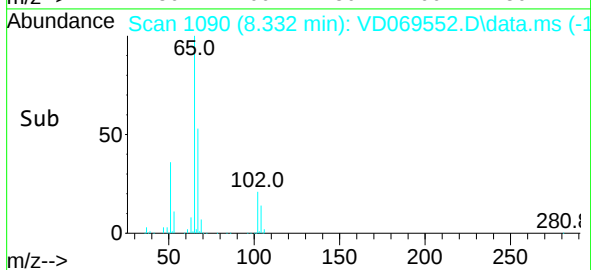
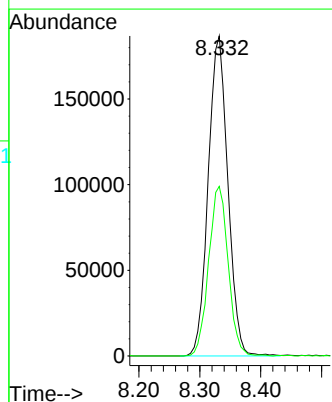
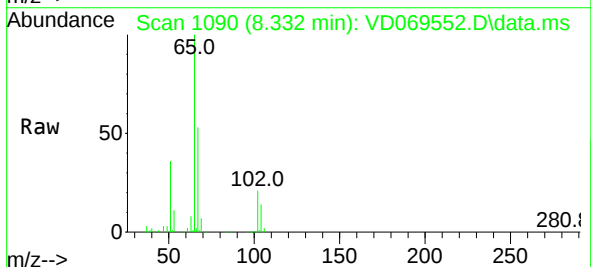
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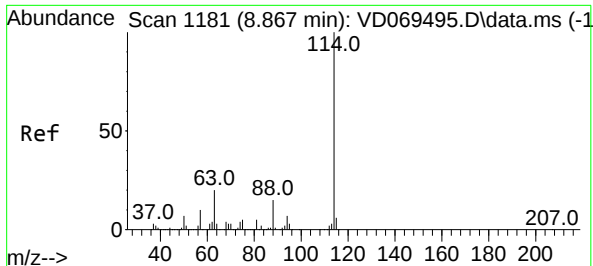
Tgt Ion: 56 Resp: 15895
Ion Ratio Lower Upper
56 100
69 204.1 28.0 42.0#
84 129.8 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 55.941 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 65 Resp: 418476
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.6



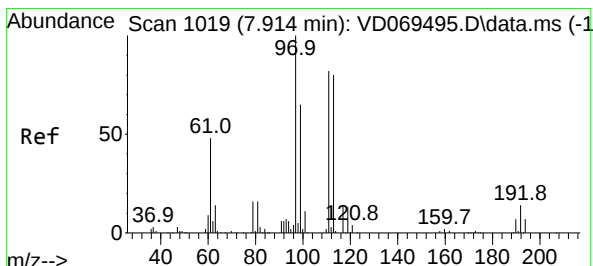
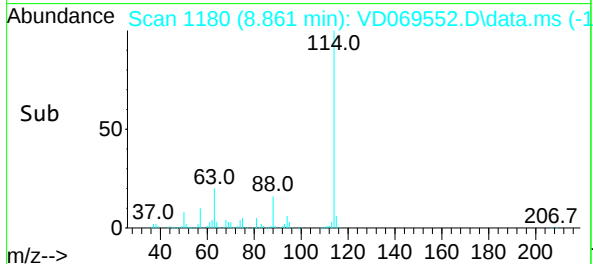
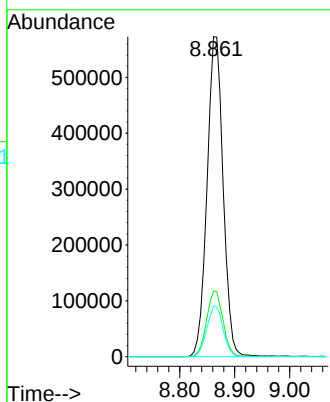
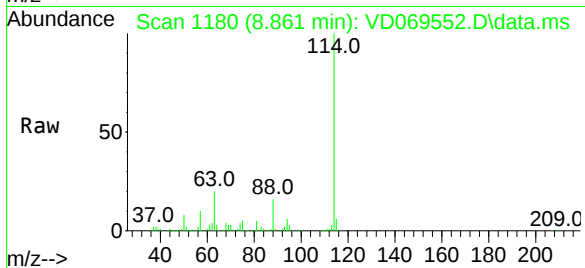


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Instrument :
MSVOA_D
ClientSampleId :

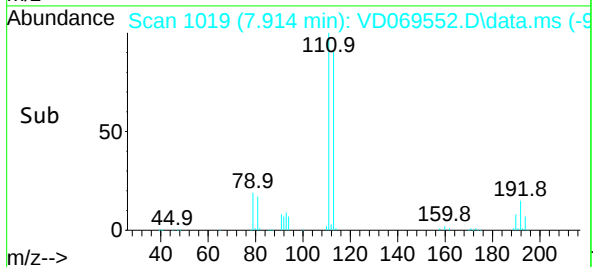
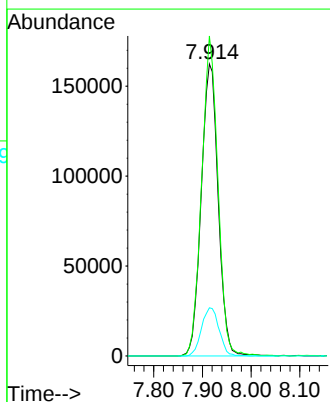
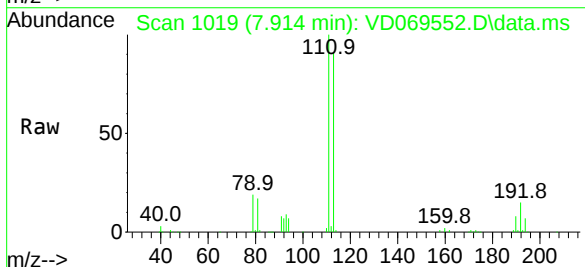
Tgt Ion:114 Resp: 1164869
Ion Ratio Lower Upper
114 100
63 20.5 0.0 39.6
88 15.9 0.0 29.8

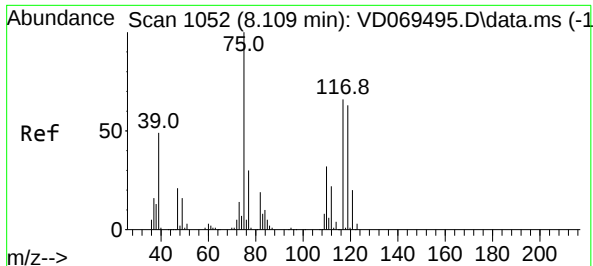


#35

Dibromofluoromethane
Concen: 49.846 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion:113 Resp: 392504
Ion Ratio Lower Upper
113 100
111 104.8 81.8 122.8
192 17.0 13.8 20.6

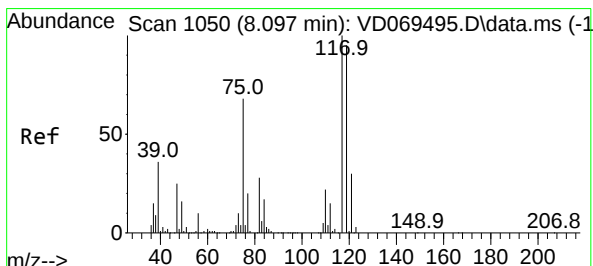
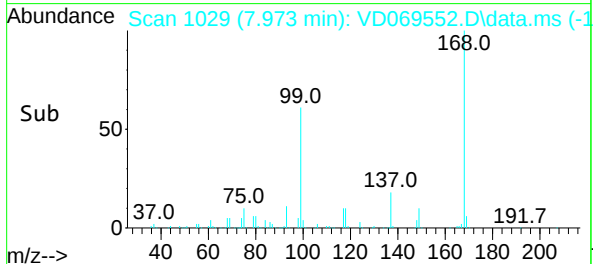
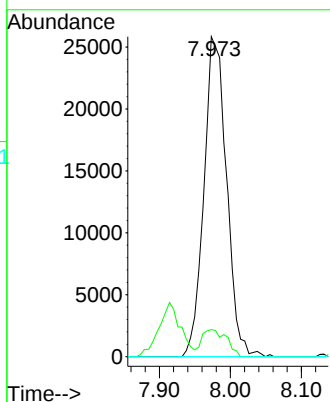
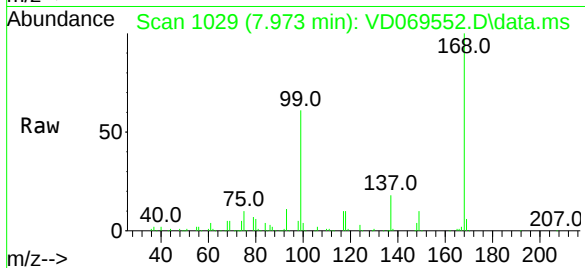




#36
1,1-Dichloropropene
Concen: 5.014 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

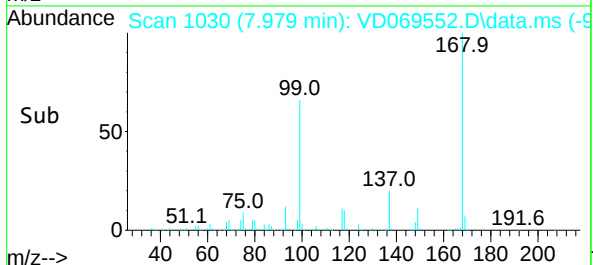
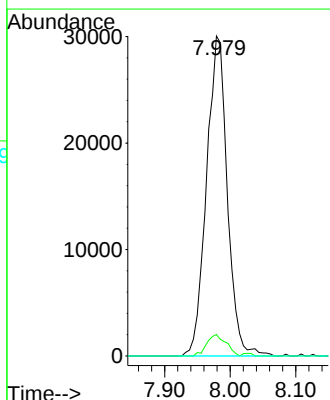
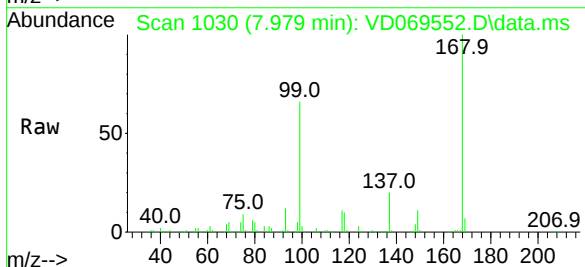
Instrument :
MSVOA_D
ClientSampleId :

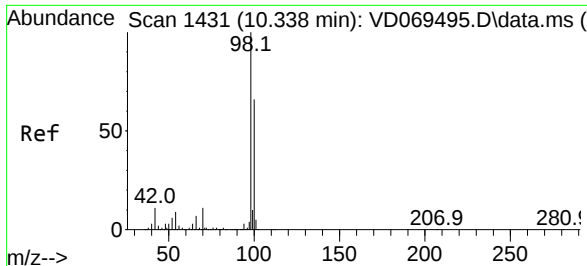
Tgt Ion: 75 Resp: 57321
Ion Ratio Lower Upper
75 100
110 9.2 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.863 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 117 Resp: 66343
Ion Ratio Lower Upper
117 100
119 6.7 75.6 113.4#
121 0.0 23.8 35.8#

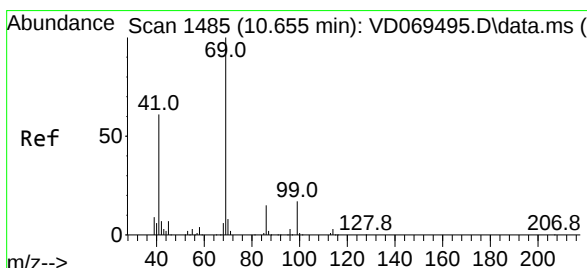
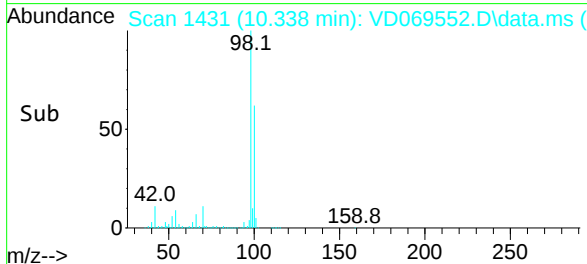
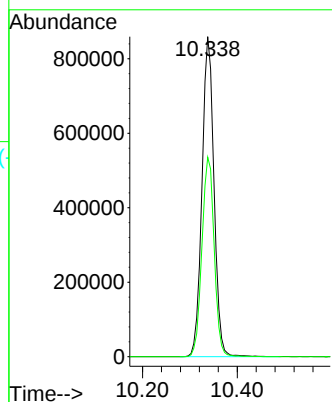
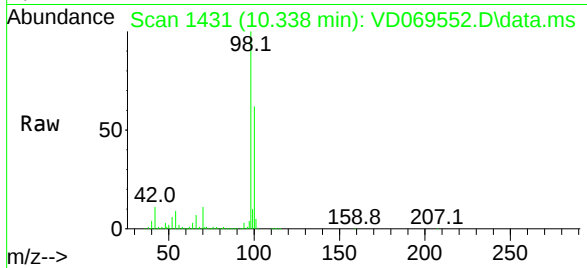




#50
Toluene-d8
Concen: 51.142 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

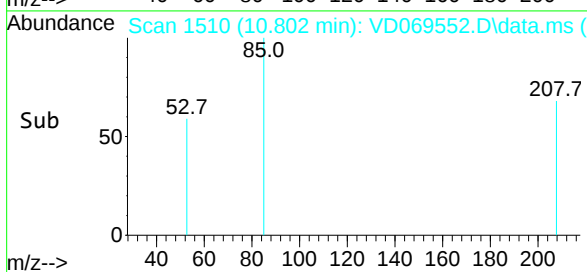
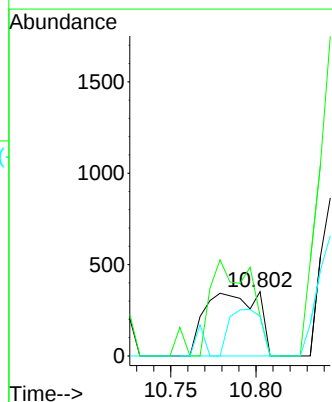
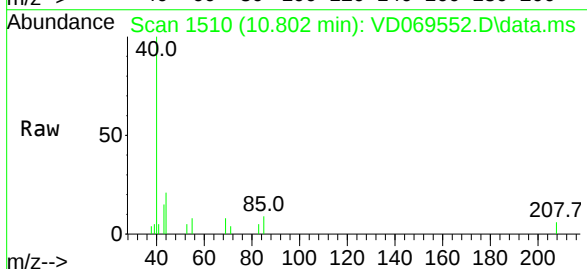
Instrument :
MSVOA_D
ClientSampled :

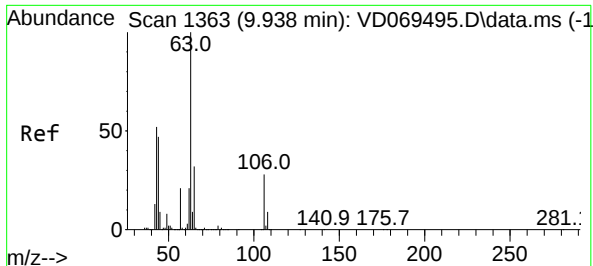
Tgt Ion: 98 Resp: 1510525
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.677 ug/l
RT: 10.802 min Scan# 1510
Delta R.T. 0.147 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 69 Resp: 746
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 44.4 26.9 40.3#

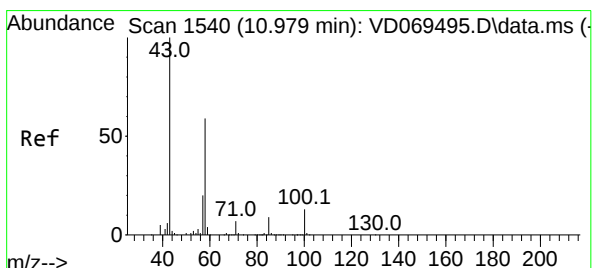
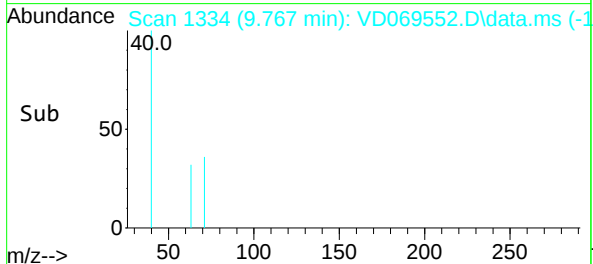
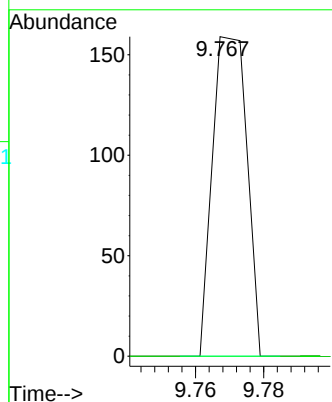
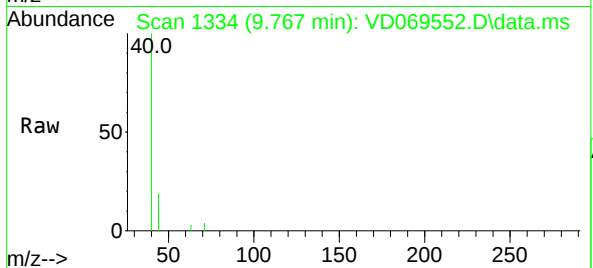




#58
2-Chloroethyl Vinyl ether
Concen: 10.628 ug/l
RT: 9.767 min Scan# 1334
Delta R.T. -0.171 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

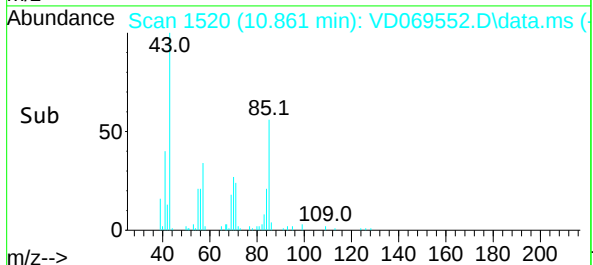
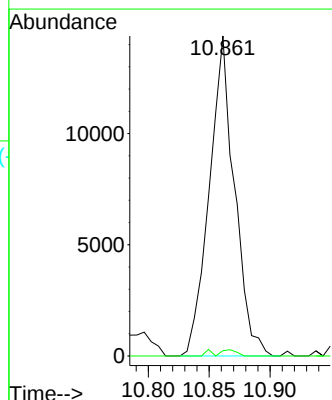
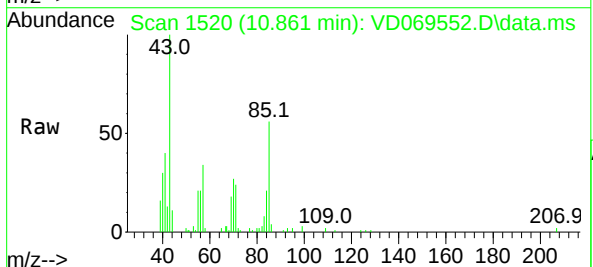
Instrument :
MSVOA_D
ClientSampled :

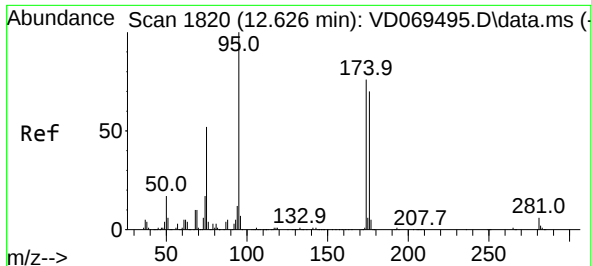
Tgt Ion: 63 Resp: 112
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#59
2-Hexanone
Concen: 7.607 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. -0.118 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 43 Resp: 20804
Ion Ratio Lower Upper
43 100
58 1.2 28.7 86.3#

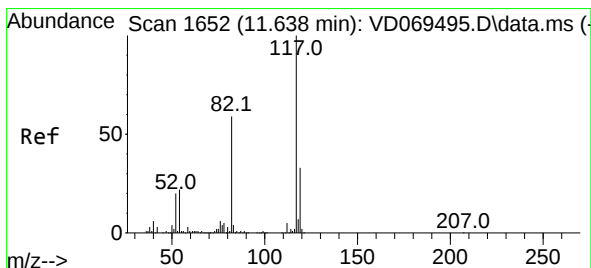
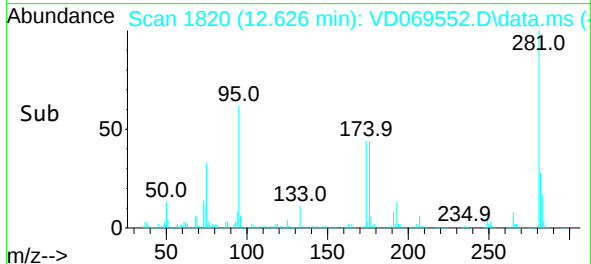
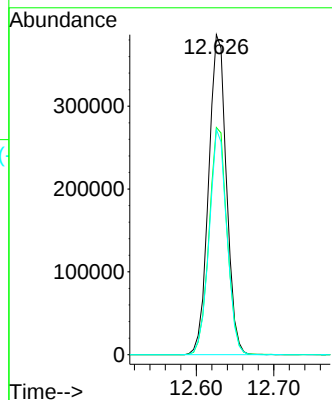
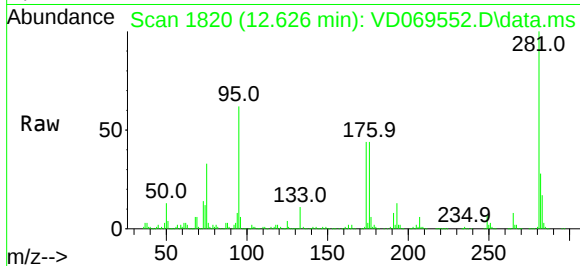




#62
4-Bromofluorobenzene
Concen: 63.329 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

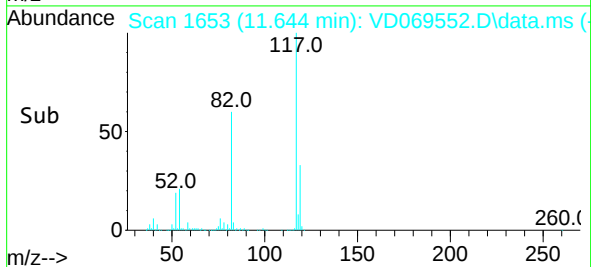
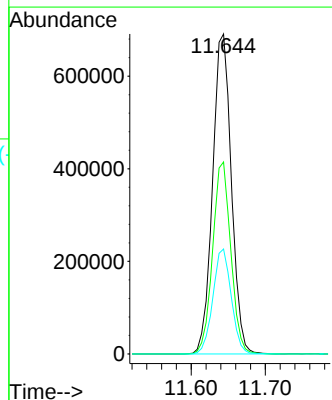
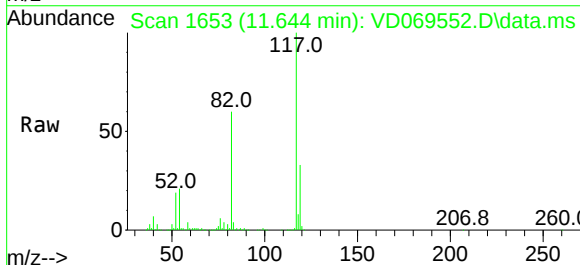
Instrument :
MSVOA_D
ClientSampleId :

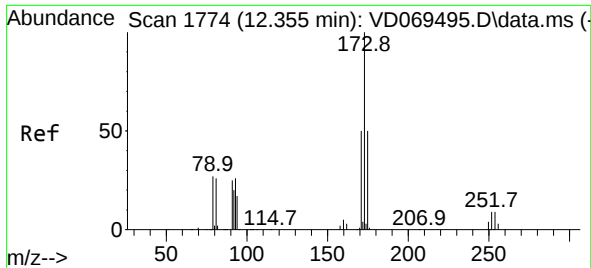
Tgt Ion: 95 Resp: 614929
Ion Ratio Lower Upper
95 100
174 71.8 0.0 148.0
176 69.7 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 117 Resp: 1214785
Ion Ratio Lower Upper
117 100
82 60.0 46.8 70.2
119 32.8 26.2 39.2

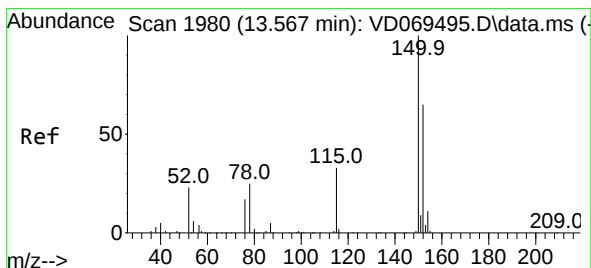
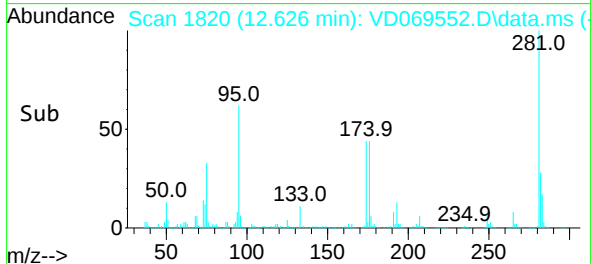
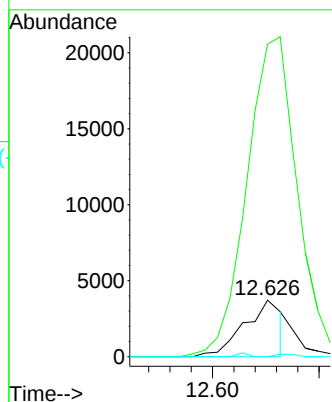
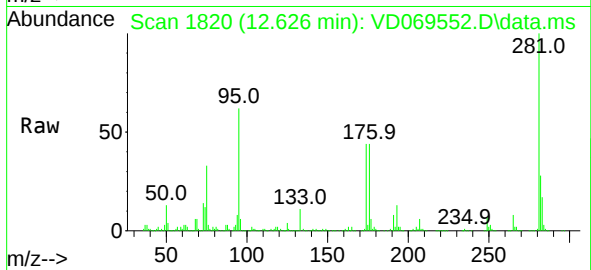




#71
Bromoform
Concen: 1.018 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

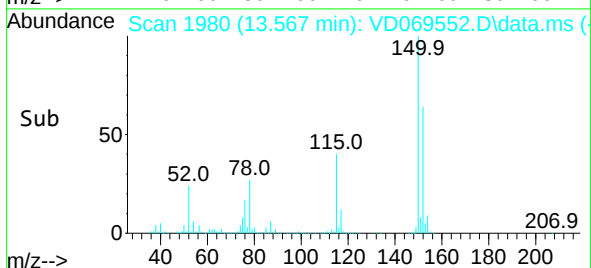
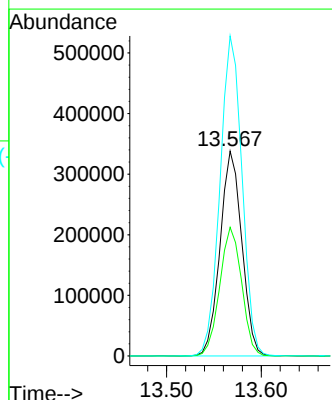
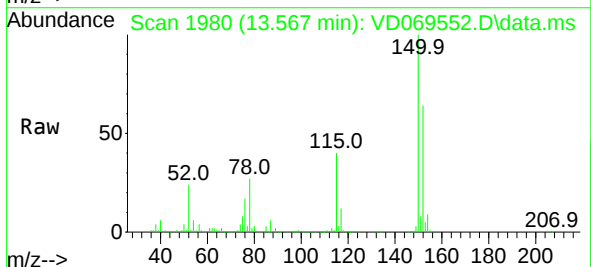
Instrument :
MSVOA_D
ClientSampleId :

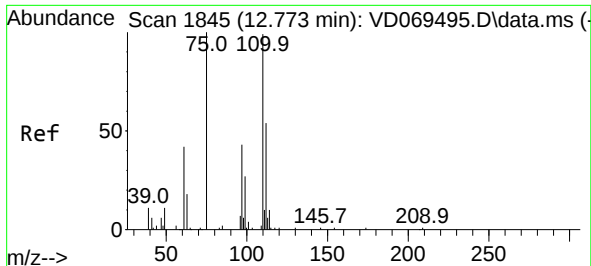
Tgt Ion:173 Resp: 4533
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 1.9 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion:152 Resp: 541212
Ion Ratio Lower Upper
152 100
115 63.1 31.7 95.1
150 157.8 0.0 350.8

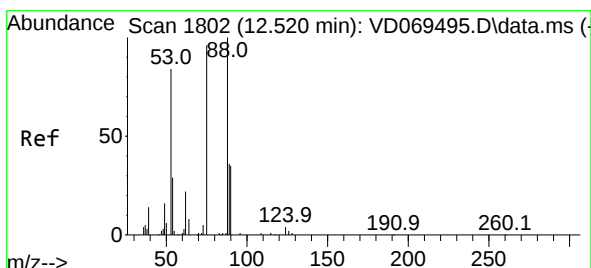
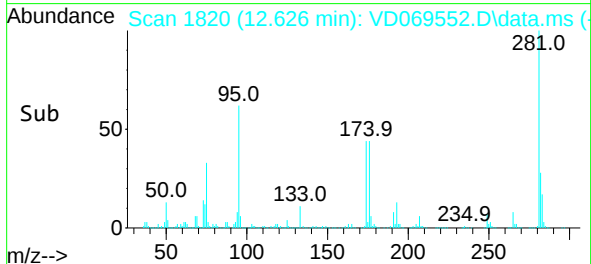
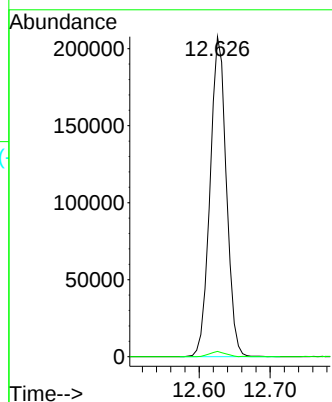
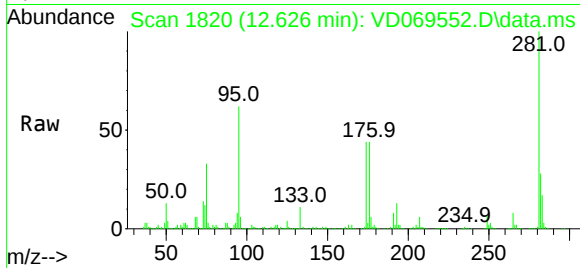




#76
1,2,3-Trichloropropane
Concen: 62.329 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

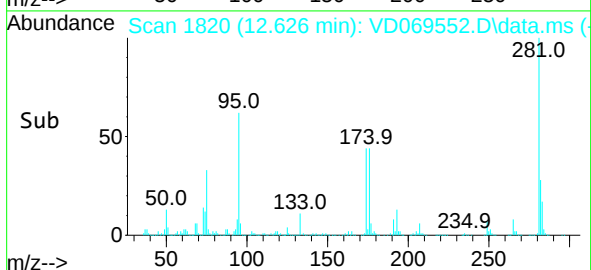
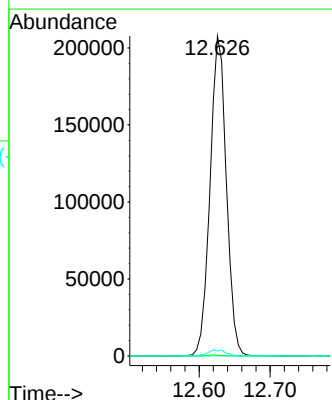
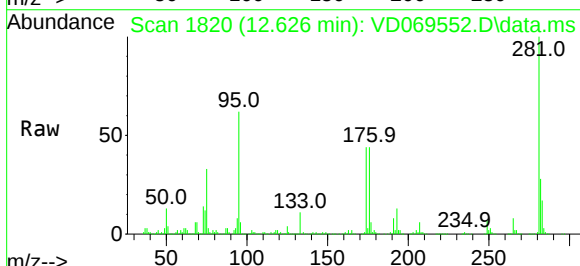
Instrument :
MSVOA_D
ClientSampleId :

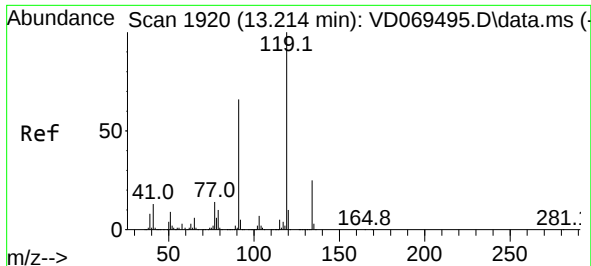
Tgt Ion: 75 Resp: 331133
Ion Ratio Lower Upper
75 100
77 1.7 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.626 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion: 75 Resp: 331133
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 2.0 35.3 52.9#

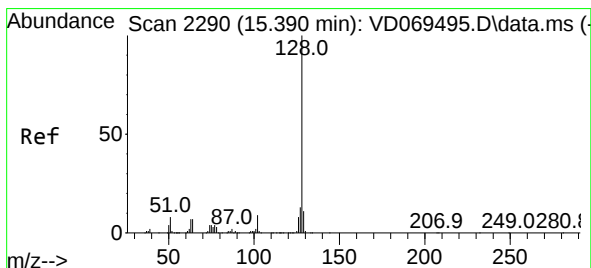
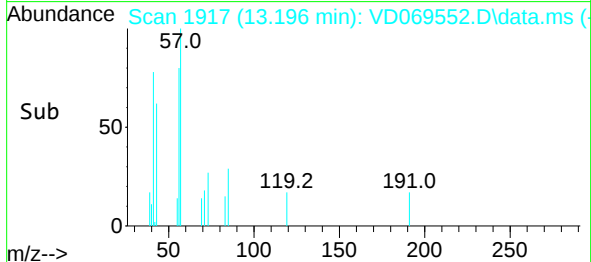
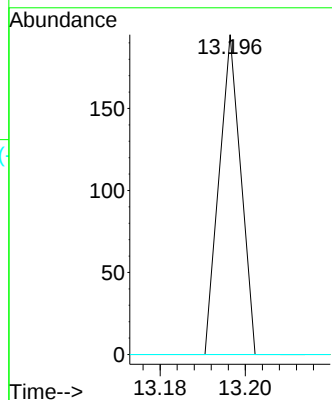
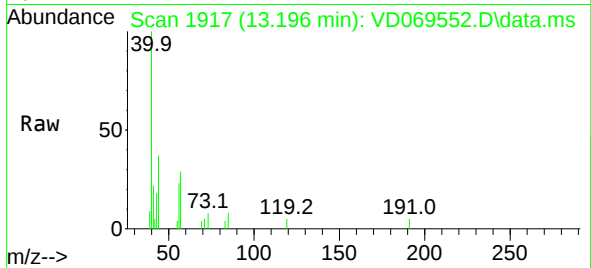




#83
tert-Butylbenzene
Concen: 1.995 ug/l
RT: 13.196 min Scan# 1917
Delta R.T. -0.018 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:119 Resp: 69
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.419 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069552.D
Acq: 23 Jun 2021 18:35

Tgt Ion:128 Resp: 1173
Ion Ratio Lower Upper
128 100
127 5.9 10.6 16.0#
129 0.0 8.7 13.1#

