

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062221\
 Data File : VD069515.D
 Acq On : 22 Jun 2021 14:48
 Operator : VA/SY
 Sample : M2773-01
 Misc : 10.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 23 04:28:01 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)

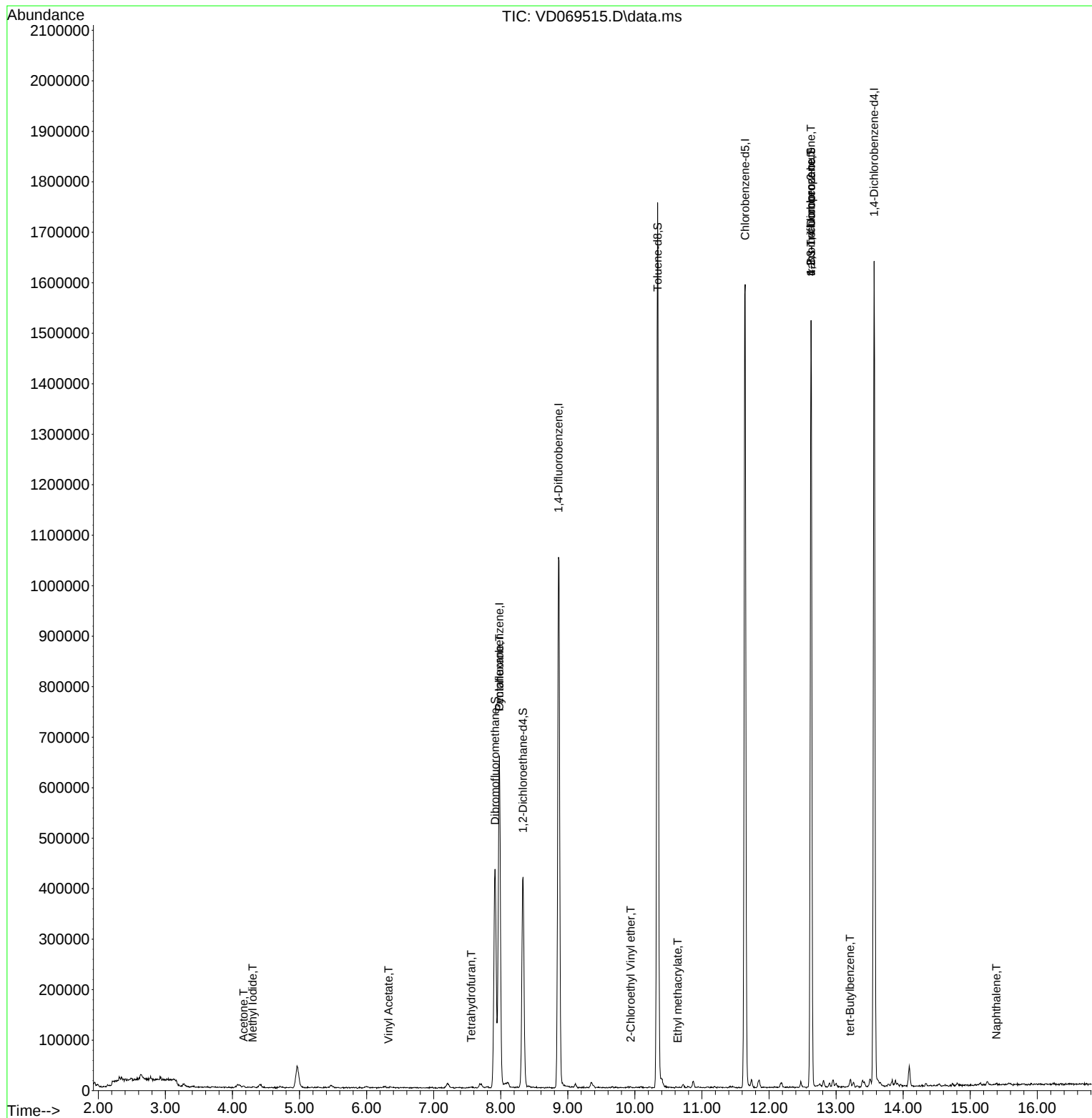
Internal Standards						
1) Pentafluorobenzene	7.979	168	453236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	904107	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	925995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	416187	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	336961	59.644	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.280%			
35) Dibromofluoromethane	7.914	113	324633	53.118	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.240%			
50) Toluene-d8	10.338	98	1176741	51.332	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.626	95	419054	55.604	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 111.200%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	3672	Below Cal	#	57
10) Methyl Iodide	4.303	142	1604	4.252	ug/l #	65
11) Tert butyl alcohol	5.220	59	375	Below Cal	#	83
16) Acetone	4.168	43	5838	6.139	ug/l #	67
18) Methyl Acetate	4.703	43	229	Below Cal	#	49
20) Methylene Chloride	4.962	84	34065	Below Cal		91
23) Vinyl Acetate	6.326	43	783	19.101	ug/l #	70
29) Tetrahydrofuran	7.561	42	719	1.085	ug/l #	54
31) Cyclohexane	7.979	56	13901	1.827	ug/l #	32
56) Ethyl methacrylate	10.638	69	71	2.593	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.938	63	405	10.730	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	220030	53.858	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	220030	134.475	ug/l #	12
83) tert-Butylbenzene	13.208	119	4923	2.211	ug/l	91
95) Naphthalene	15.390	128	2410	3.528	ug/l #	89

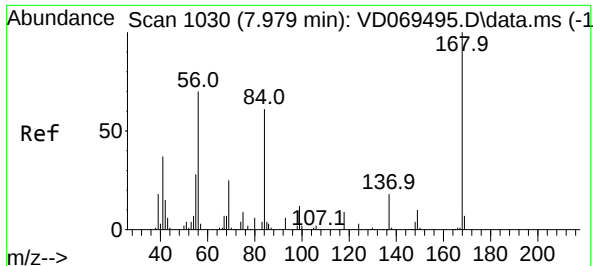
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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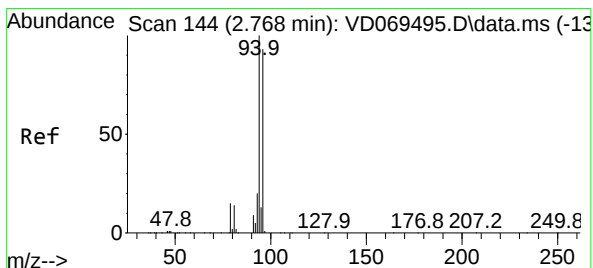
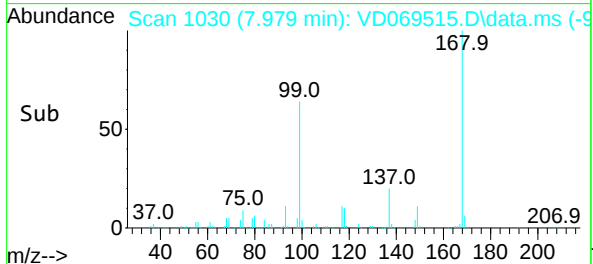
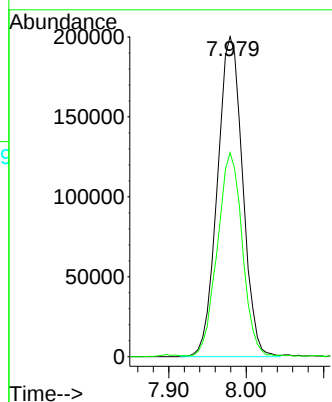
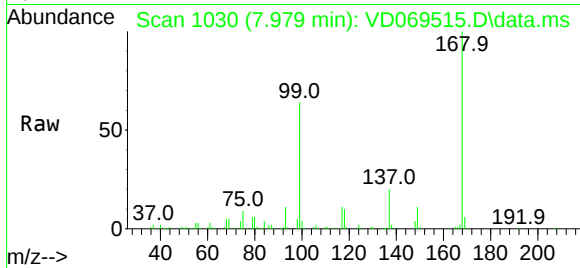




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

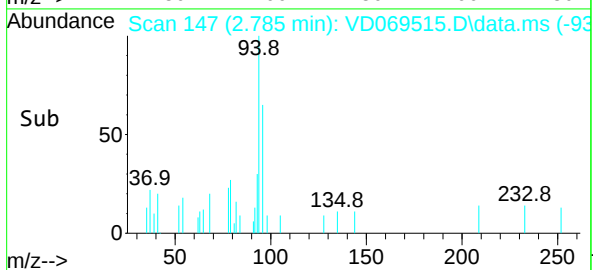
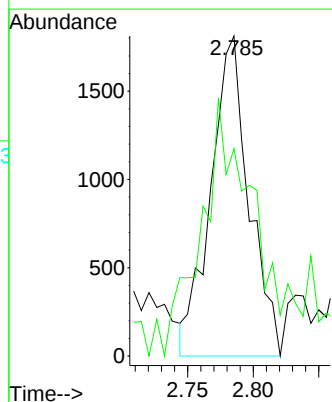
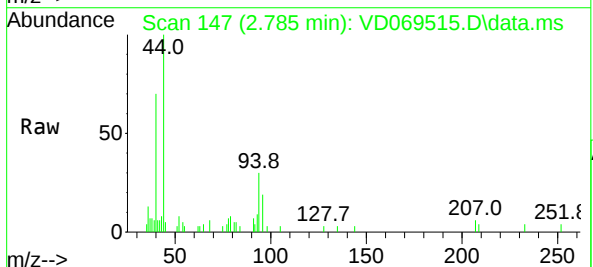
Instrument :
MSVOA_D
ClientSampleId :

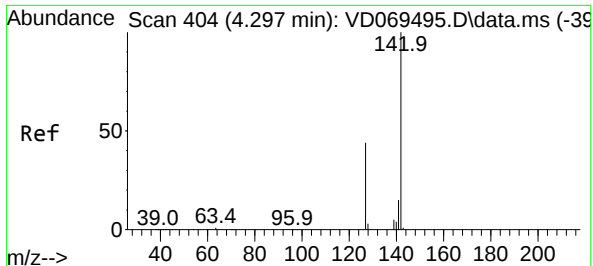
Tgt Ion:168 Resp: 453236
Ion Ratio Lower Upper
168 100
99 63.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

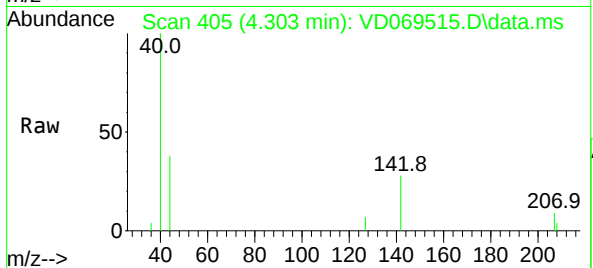
Tgt Ion: 94 Resp: 3672
Ion Ratio Lower Upper
94 100
96 52.0 74.6 111.8#



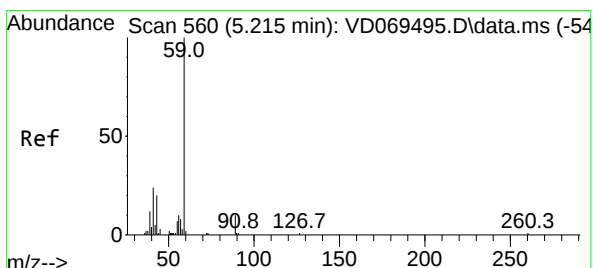
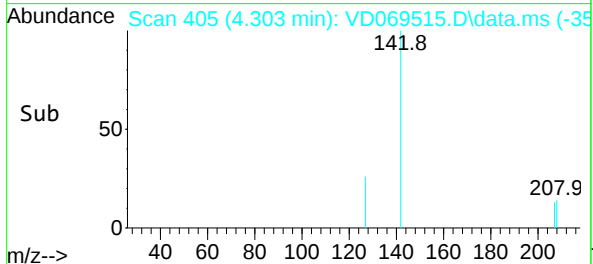
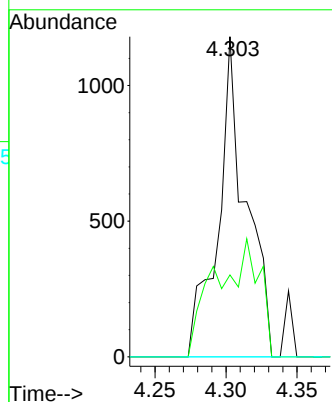


#10
Methyl Iodide
Concen: 4.252 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

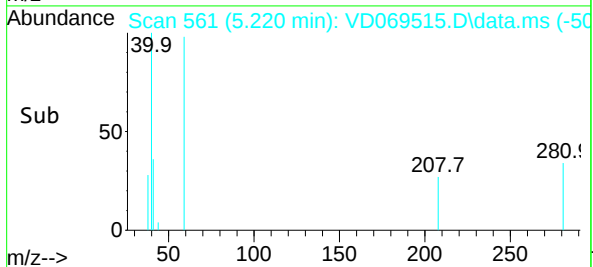
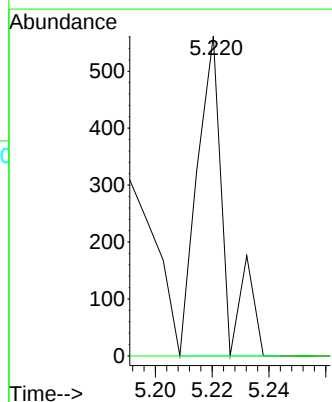
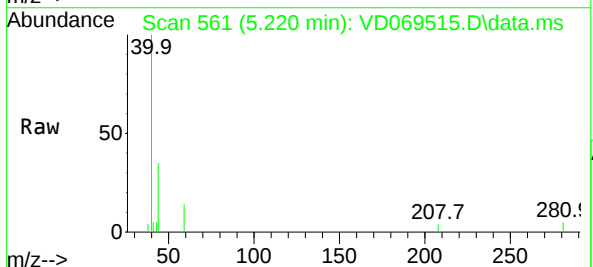


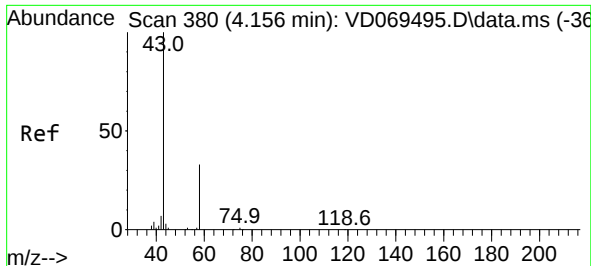
Tgt Ion:142 Resp: 1604
Ion Ratio Lower Upper
142 100
127 22.9 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion: 59 Resp: 375
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

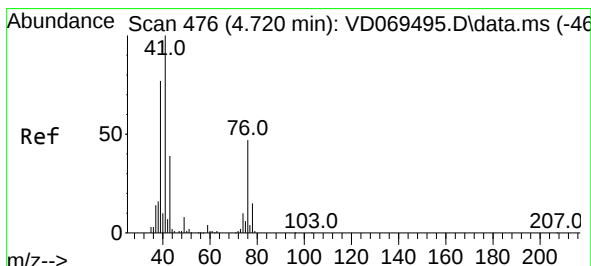
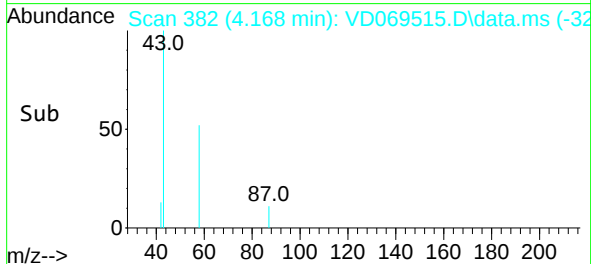
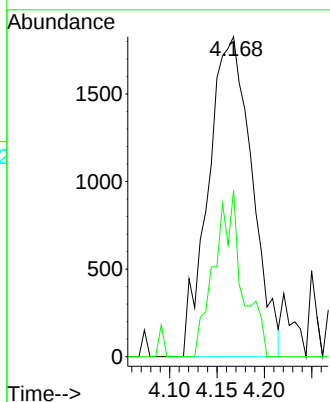
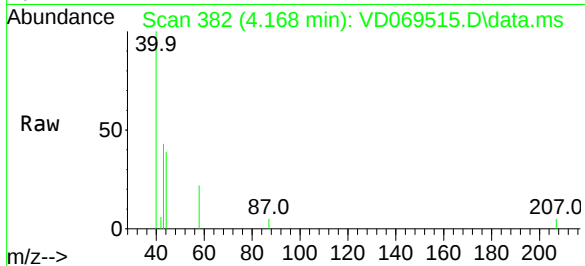




#16
Acetone
Concen: 6.139 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

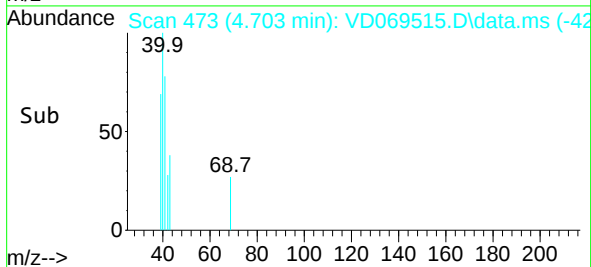
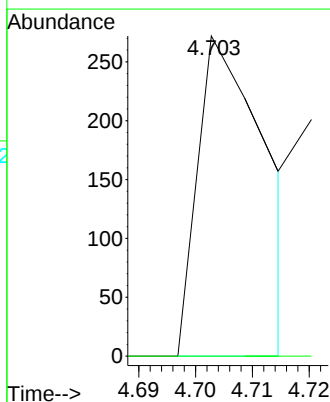
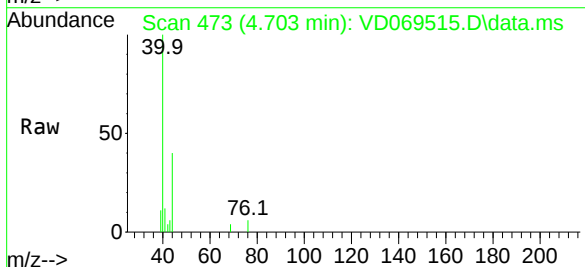
Instrument :
MSVOA_D
ClientSampleId :

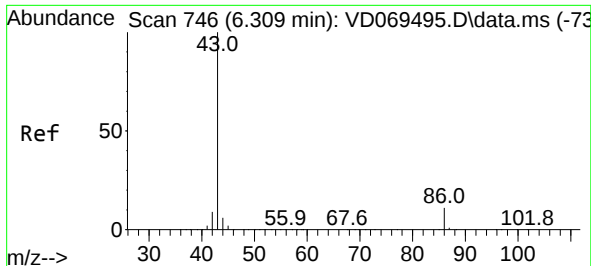
Tgt Ion: 43 Resp: 5838
Ion Ratio Lower Upper
43 100
58 52.1 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.017 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion: 43 Resp: 229
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

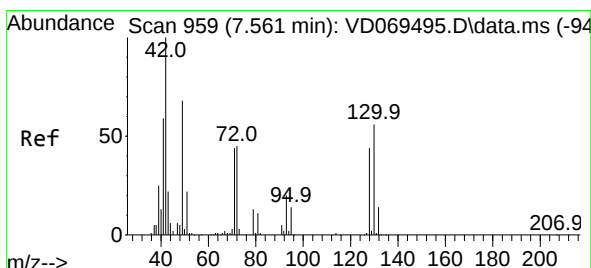
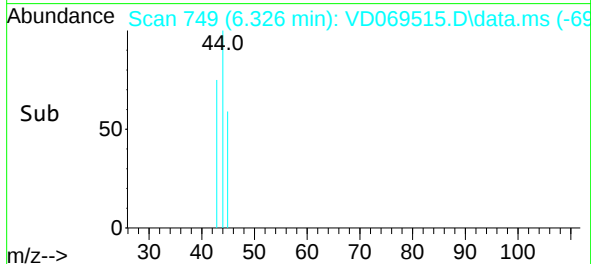
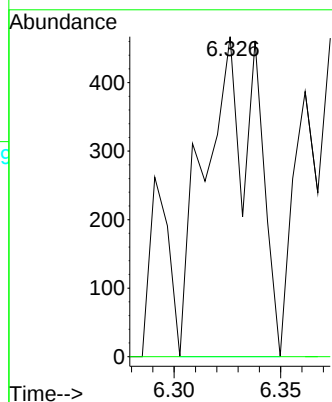
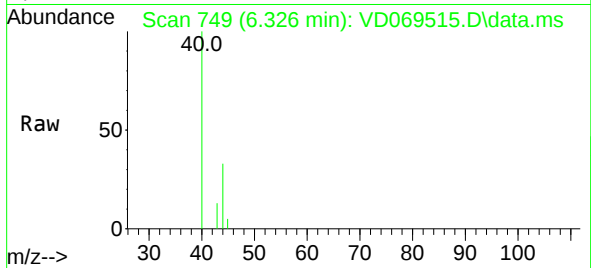




#23
 Vinyl Acetate
 Concen: 19.101 ug/l
 RT: 6.326 min Scan# 749
 Delta R.T. 0.017 min
 Lab File: VD069515.D
 Acq: 22 Jun 2021 14:48

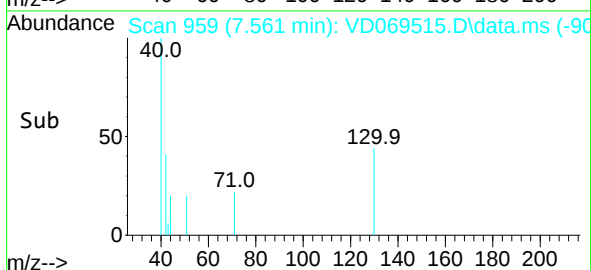
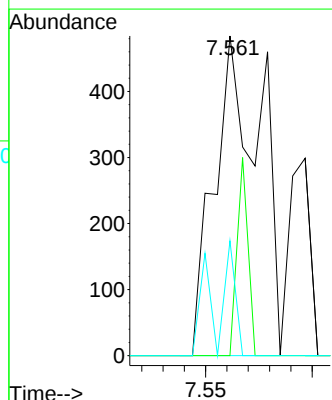
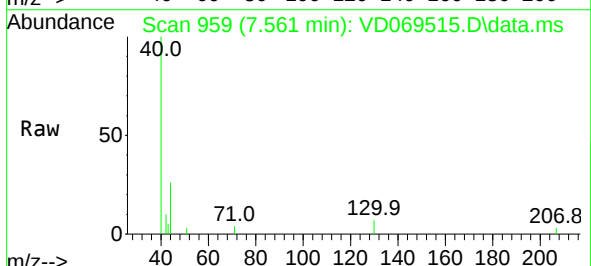
Instrument :
 MSVOA_D
 ClientSampleId :

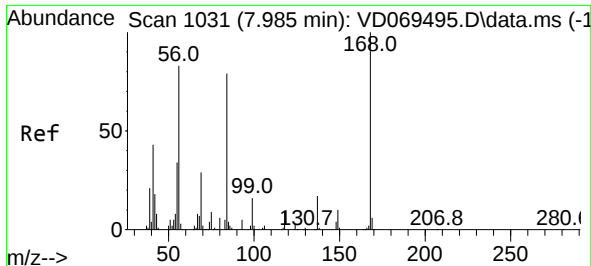
Tgt Ion: 43 Resp: 783
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#29
 Tetrahydrofuran
 Concen: 1.085 ug/l
 RT: 7.561 min Scan# 959
 Delta R.T. -0.000 min
 Lab File: VD069515.D
 Acq: 22 Jun 2021 14:48

Tgt Ion: 42 Resp: 719
 Ion Ratio Lower Upper
 42 100
 72 14.7 37.9 56.9#
 71 16.1 35.1 52.7#

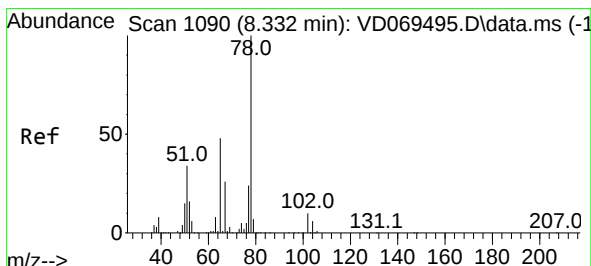
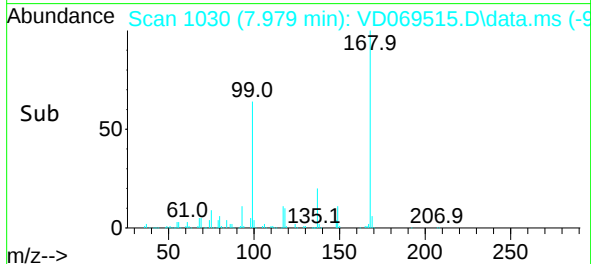
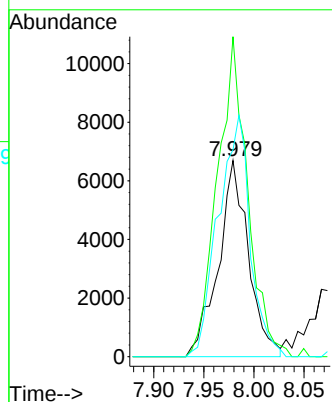
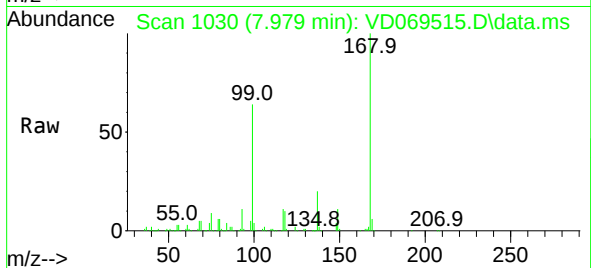




#31
Cyclohexane
Concen: 1.827 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

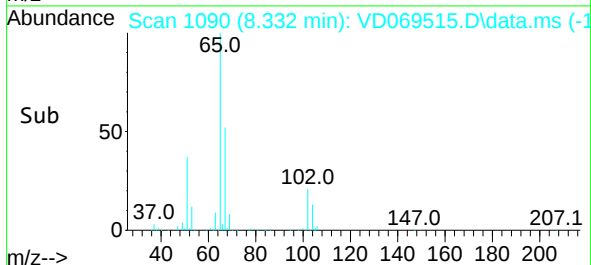
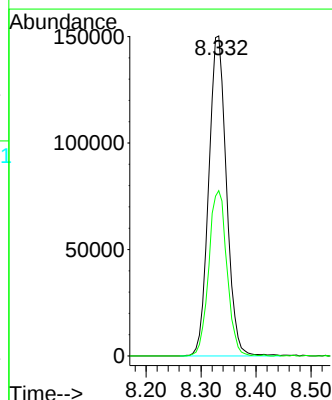
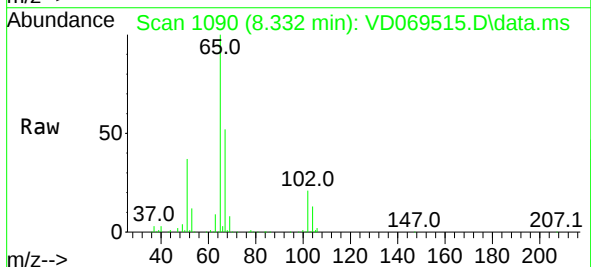
Instrument :
MSVOA_D
ClientSampleId :

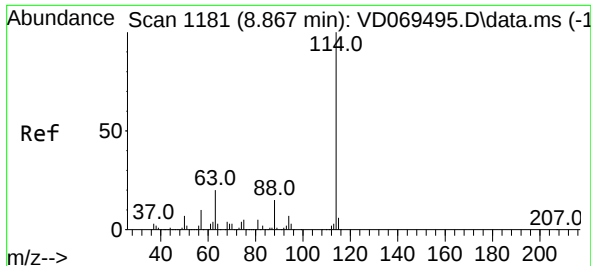
Tgt Ion: 56 Resp: 13901
Ion Ratio Lower Upper
56 100
69 163.1 28.0 42.0#
84 105.5 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 59.644 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion: 65 Resp: 336961
Ion Ratio Lower Upper
65 100
67 52.7 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: VD069515.D

Acq: 22 Jun 2021 14:48

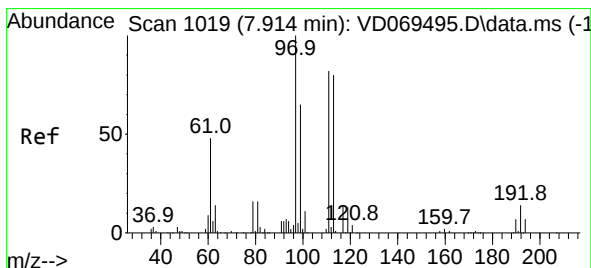
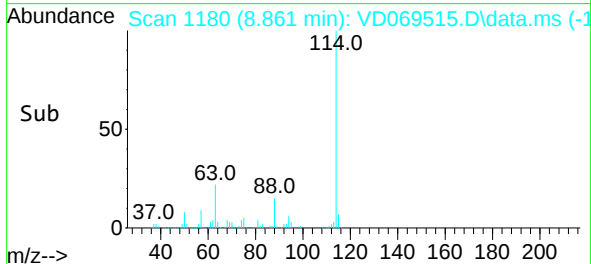
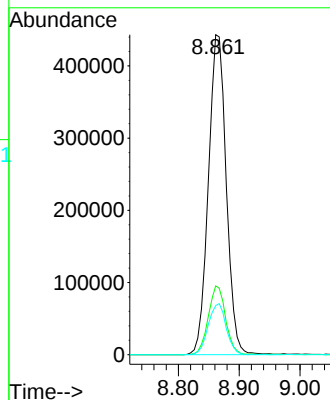
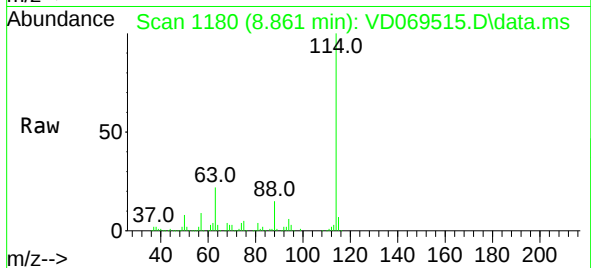
Tgt Ion:114 Resp: 904107

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.6

88 15.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 53.118 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069515.D

Acq: 22 Jun 2021 14:48

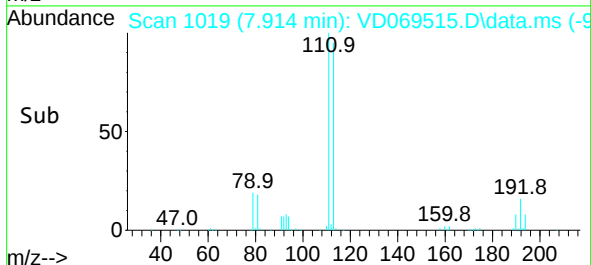
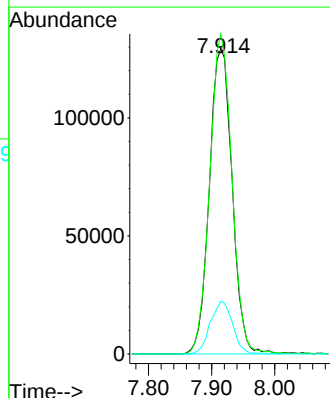
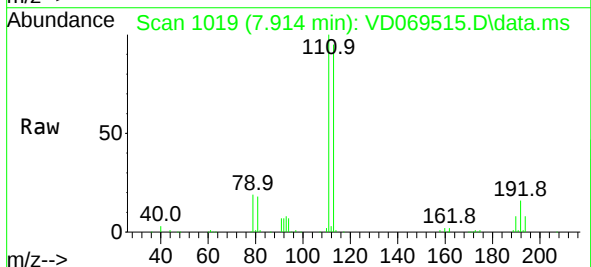
Tgt Ion:113 Resp: 324633

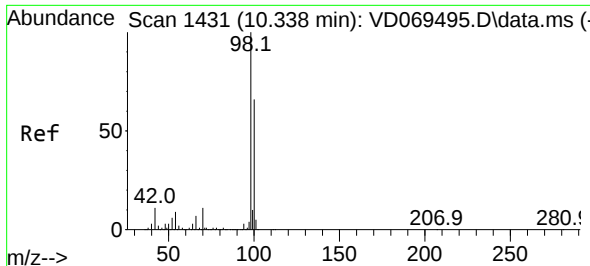
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 16.9 13.8 20.6

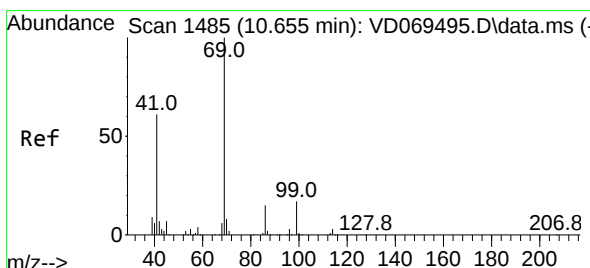
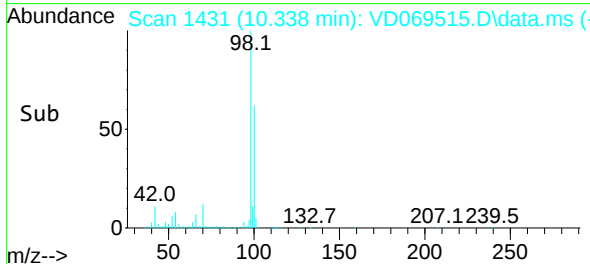
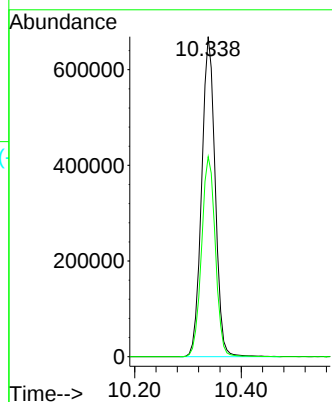
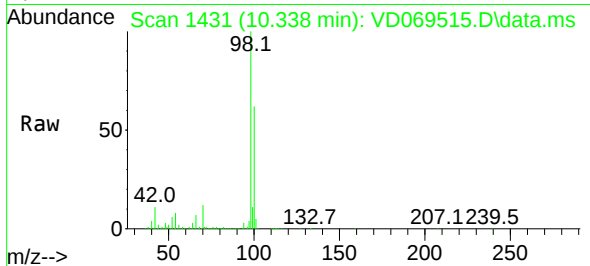




#50
Toluene-d8
Concen: 51.332 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

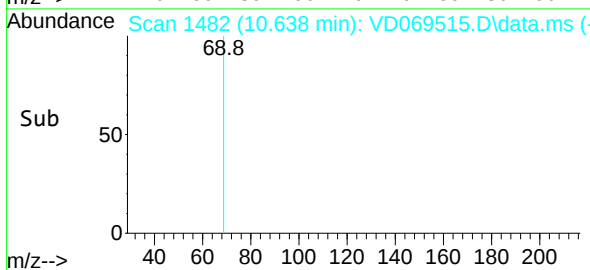
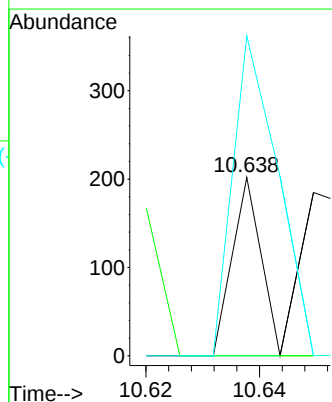
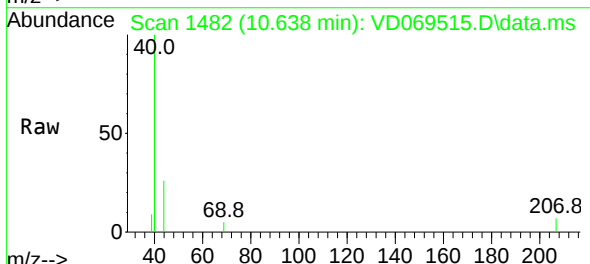
Instrument :
MSVOA_D
ClientSampleId :

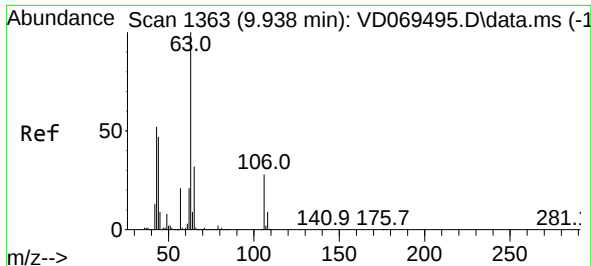
Tgt Ion: 98 Resp: 1176741
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.593 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion: 69 Resp: 71
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 280.3 26.9 40.3#

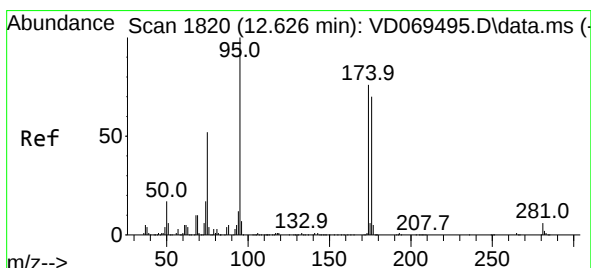
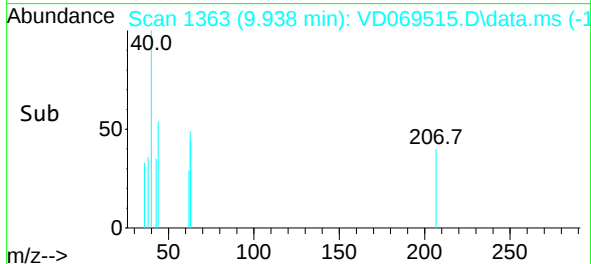
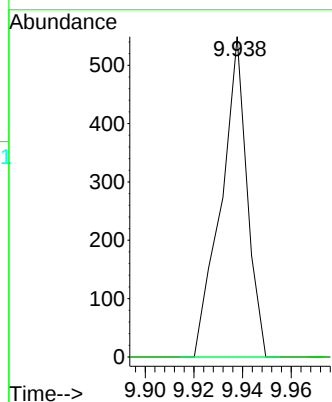
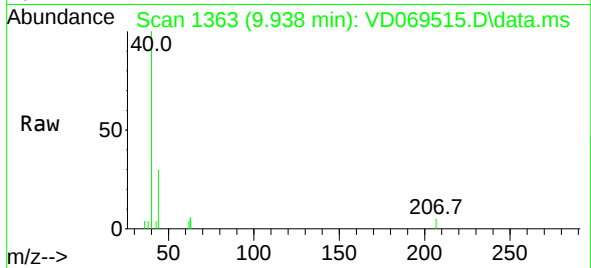




#58
2-Chloroethyl Vinyl ether
Concen: 10.730 ug/l
RT: 9.938 min Scan# 1363
Delta R.T. -0.000 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

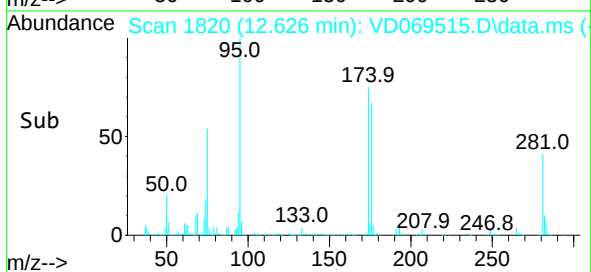
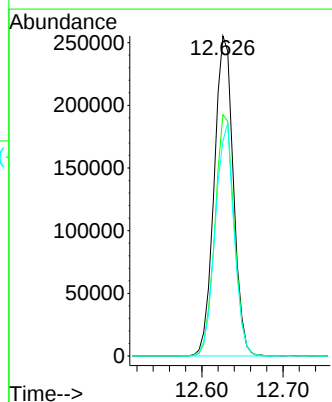
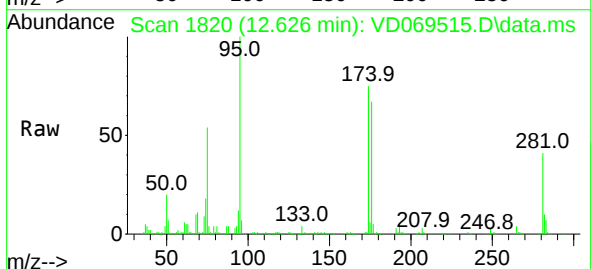
Instrument :
MSVOA_D
ClientSampleId :

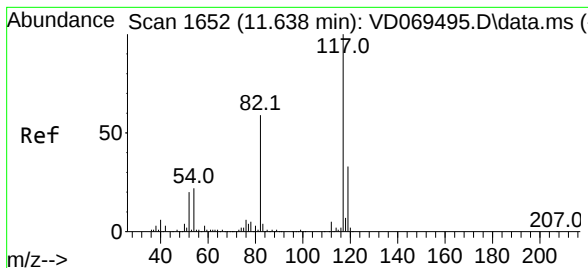
Tgt Ion: 63 Resp: 405
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 55.604 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion: 95 Resp: 419054
Ion Ratio Lower Upper
95 100
174 75.5 0.0 148.0
176 71.5 0.0 139.8

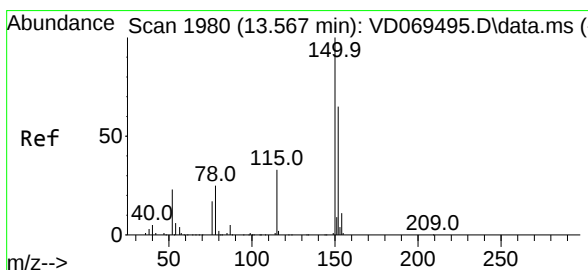
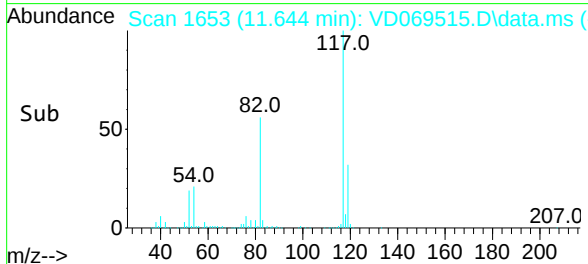
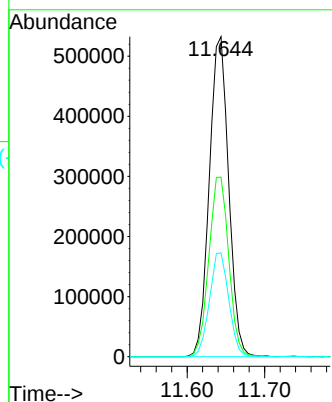
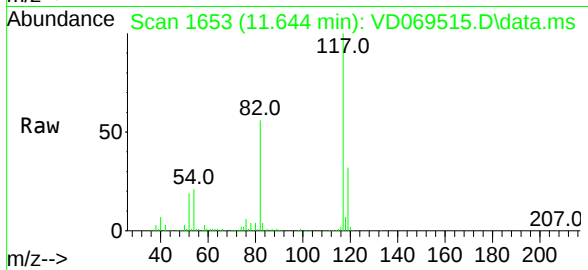




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

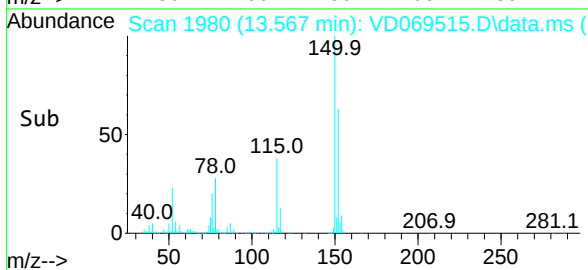
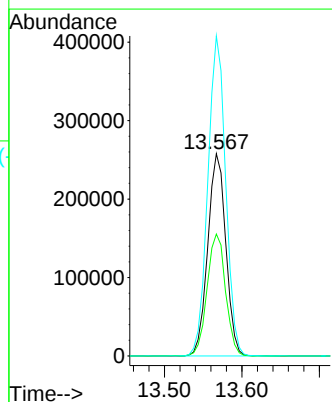
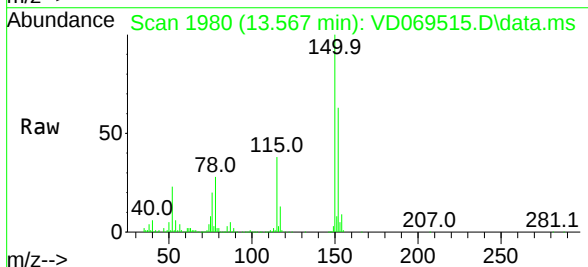
Instrument :
MSVOA_D
ClientSampleId :

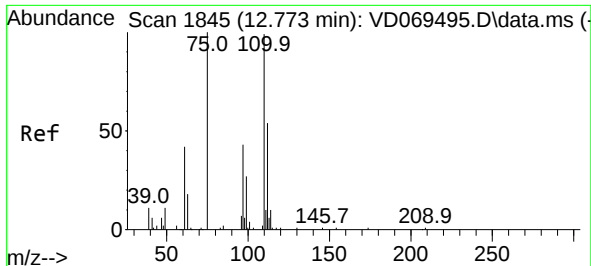
Tgt Ion:117 Resp: 925995
Ion Ratio Lower Upper
117 100
82 56.1 46.8 70.2
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion:152 Resp: 416187
Ion Ratio Lower Upper
152 100
115 61.7 31.7 95.1
150 156.4 0.0 350.8

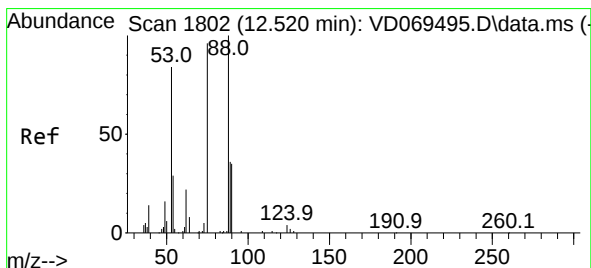
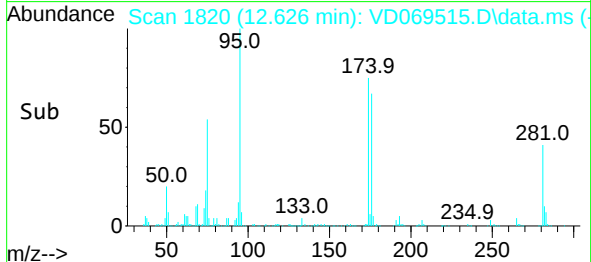
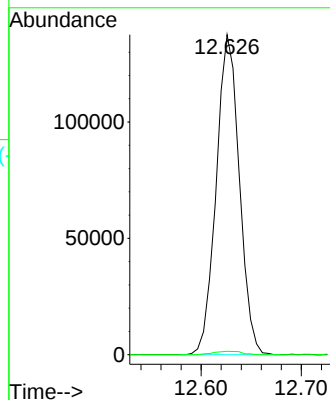
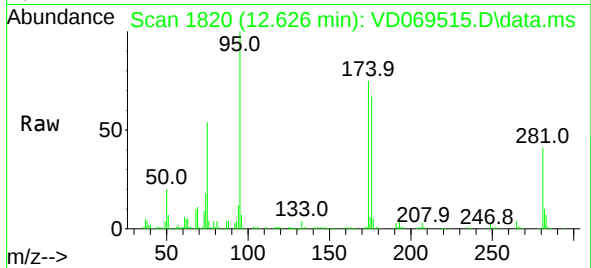




#76
1,2,3-Trichloropropane
Concen: 53.858 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

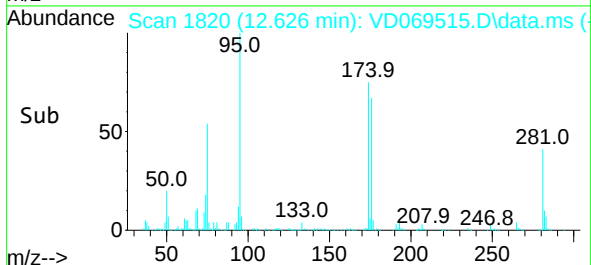
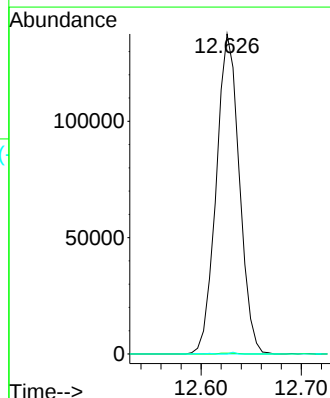
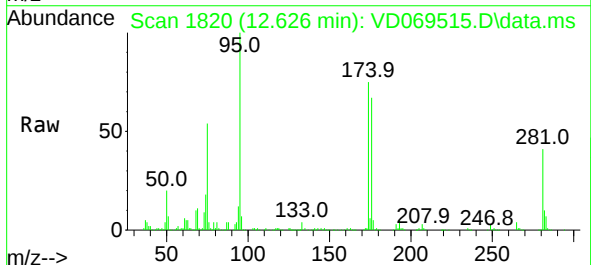
Instrument :
MSVOA_D
ClientSampleId :

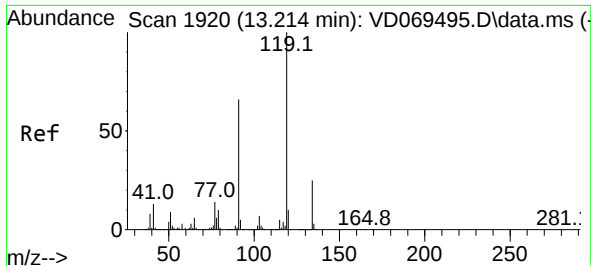
Tgt Ion: 75 Resp: 220030
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.475 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion: 75 Resp: 220030
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.1 35.3 52.9#

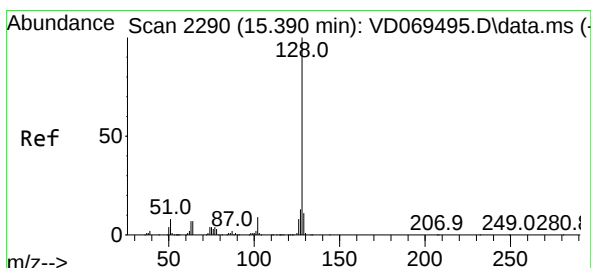
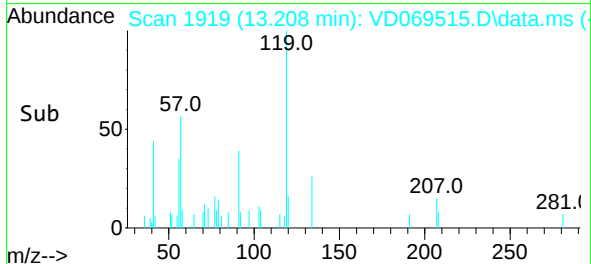
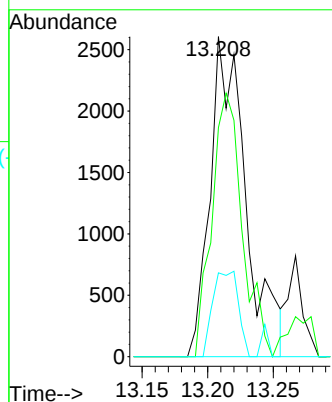
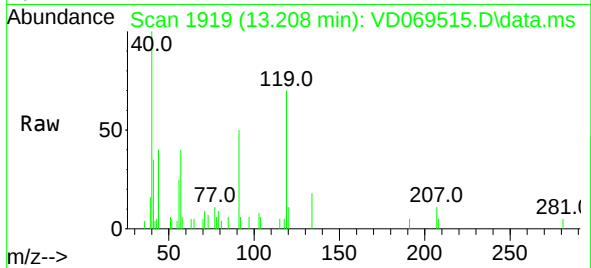




#83
tert-Butylbenzene
Concen: 2.211 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	4923
Ion	Ratio	Lower	Upper
119	100		
91	70.3	32.5	97.4
134	19.1	12.9	38.7



#95
Naphthalene
Concen: 3.528 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069515.D
Acq: 22 Jun 2021 14:48

Tgt Ion:	128	Resp:	2410
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.6	16.0
129	2.3	8.7	13.1

