

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069548.D
 Acq On : 23 Jun 2021 16:42
 Operator : VA/SY
 Sample : M2800-02RE
 Misc : 9.51G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:09:57 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)

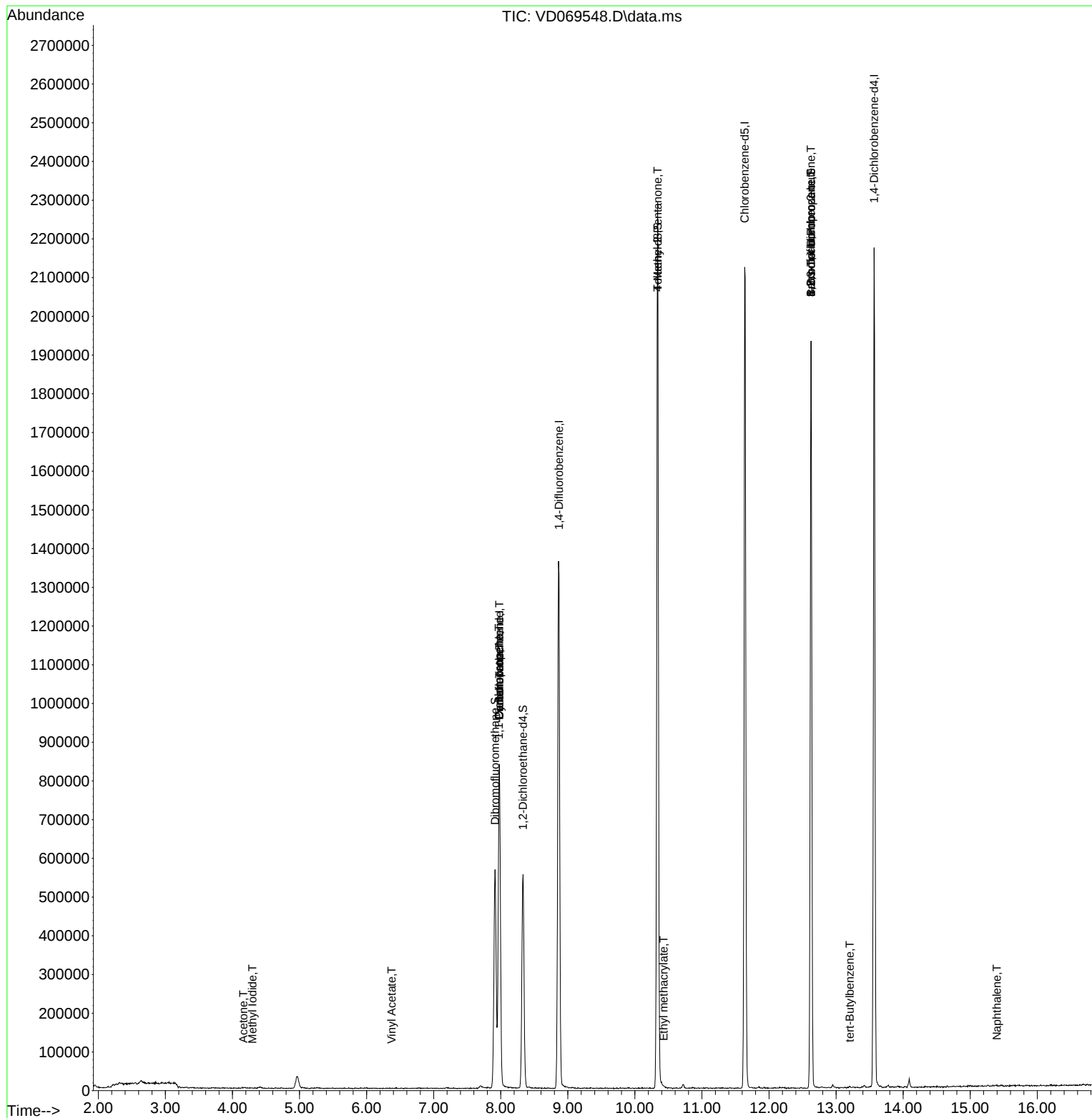
Internal Standards						
1) Pentafluorobenzene	7.979	168	583641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1170695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1214810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	546772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	446137	61.325	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.640%
35) Dibromofluoromethane	7.914	113	403299	50.962	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.920%
50) Toluene-d8	10.338	98	1530516	51.561	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.626	95	566665	58.068	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	116.140%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	1200	Below Cal	#	70
10) Methyl Iodide	4.297	142	59	3.949	ug/l #	39
11) Tert butyl alcohol	5.220	59	490	Below Cal	#	83
16) Acetone	4.162	43	4091	3.341	ug/l #	67
18) Methyl Acetate	4.685	43	93	Below Cal	#	49
20) Methylene Chloride	4.962	84	25110	Below Cal	#	86
23) Vinyl Acetate	6.373	43	64	19.016	ug/l #	70
31) Cyclohexane	7.979	56	15438	1.576	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	55853	4.861	ug/l #	50
38) Carbon Tetrachloride	7.979	117	64719	5.691	ug/l #	17
51) 4-Methyl-2-Pentanone	10.338	43	6289	1.544	ug/l #	1
56) Ethyl methacrylate	10.426	69	82	2.592	ug/l #	27
71) Bromoform	12.626	173	4940	1.110	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	294064	54.788	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	294064	136.799	ug/l #	12
83) tert-Butylbenzene	13.202	119	70	1.995	ug/l #	27
95) Naphthalene	15.396	128	1436	3.433	ug/l #	80

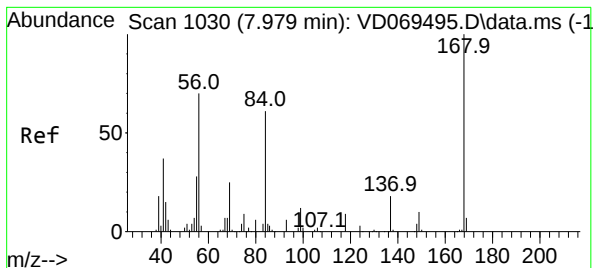
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

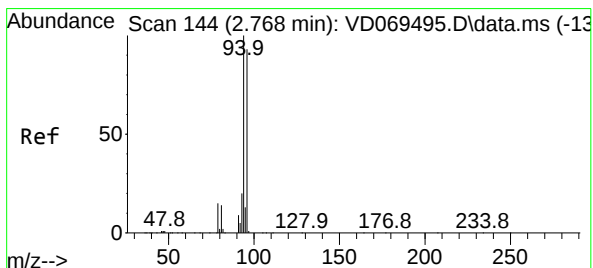
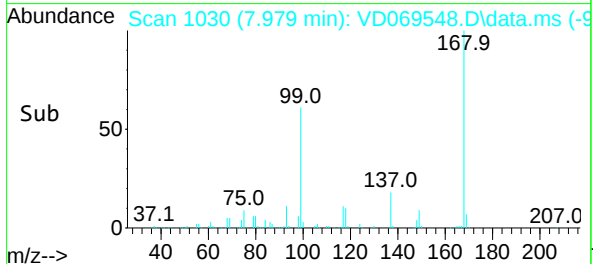
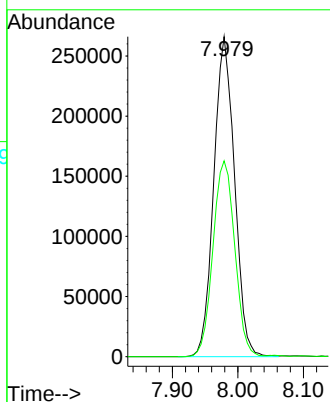
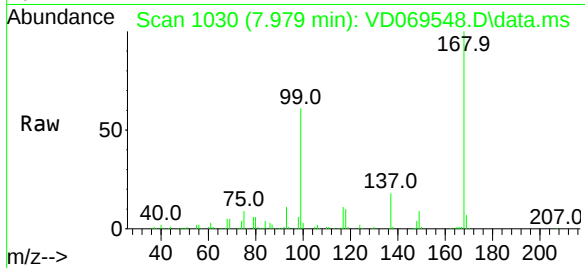




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

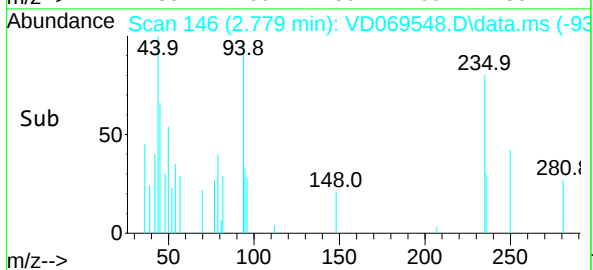
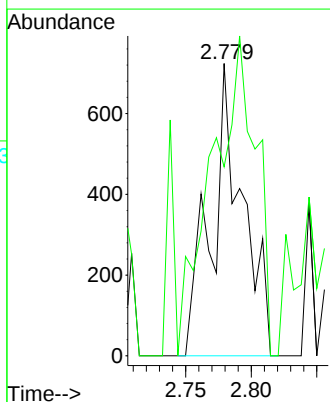
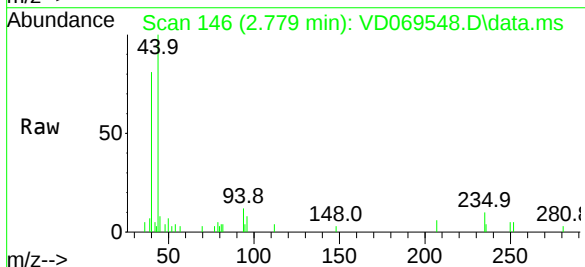
Instrument :
MSVOA_D
ClientSampled :

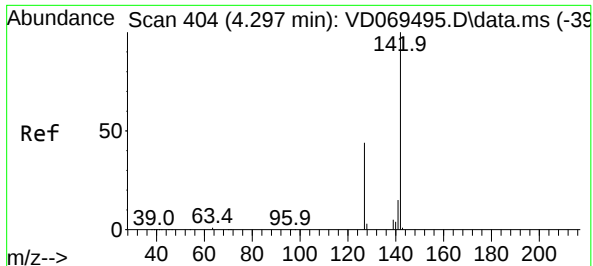
Tgt Ion:168 Resp: 583641
Ion Ratio Lower Upper
168 100
99 61.2 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Tgt Ion: 94 Resp: 1200
Ion Ratio Lower Upper
94 100
96 64.6 74.6 111.8#

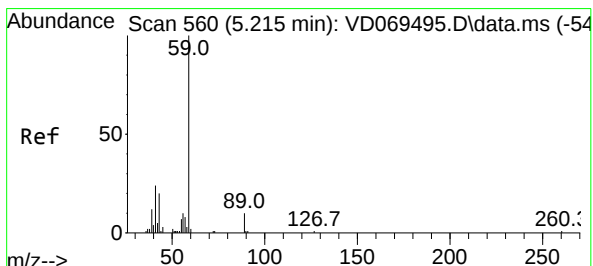
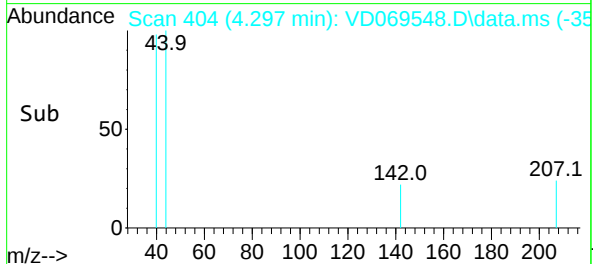
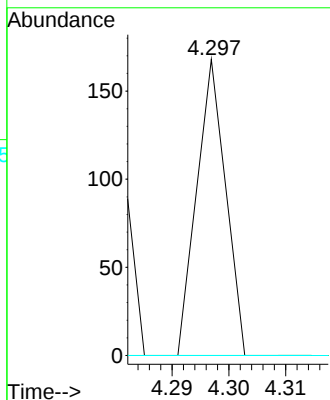
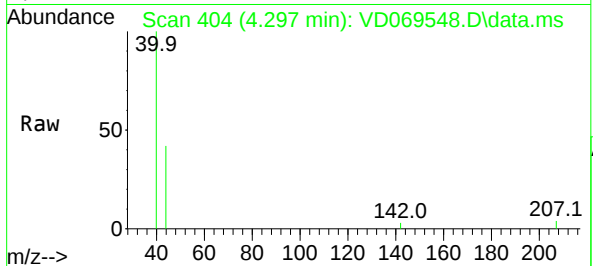




#10
Methyl Iodide
Concen: 3.949 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

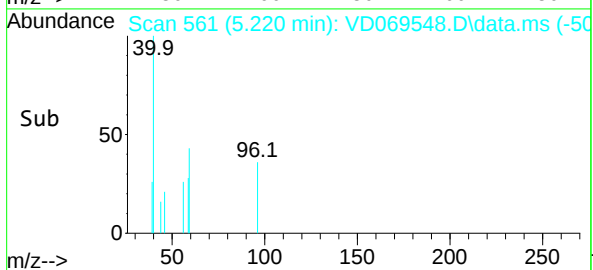
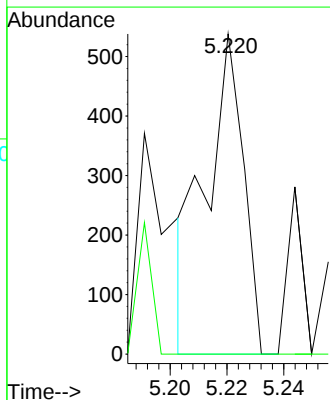
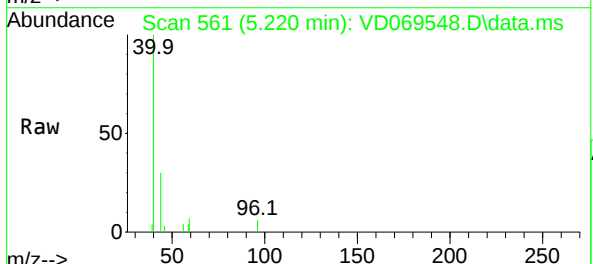
Instrument :
MSVOA_D
ClientSampleId :

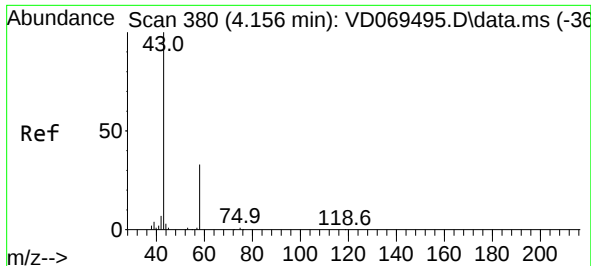
Tgt Ion:142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Tgt Ion: 59 Resp: 490
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

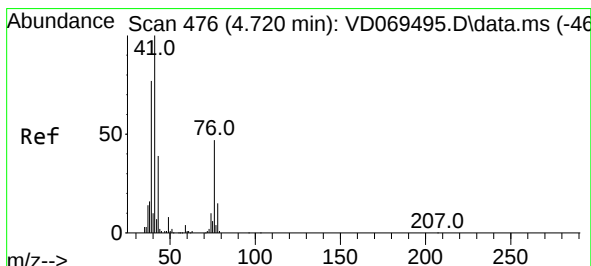
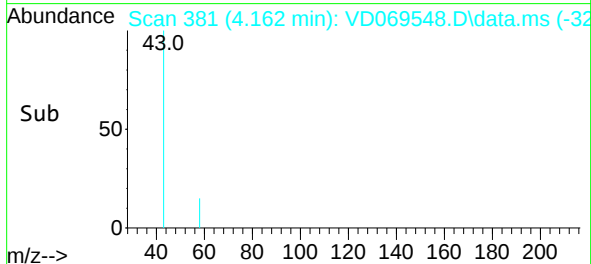
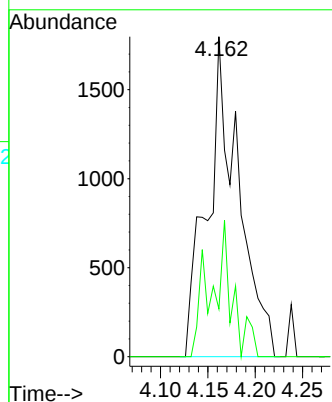
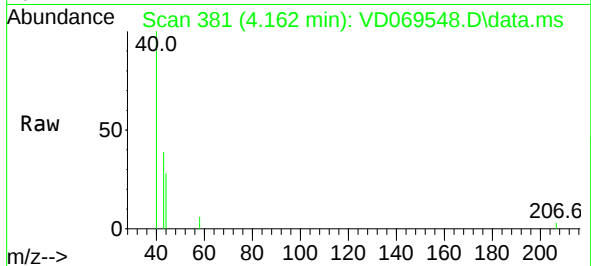




#16
Acetone
Concen: 3.341 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

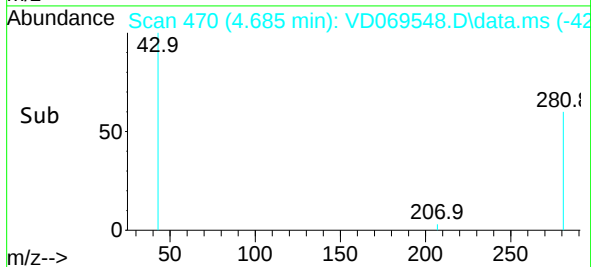
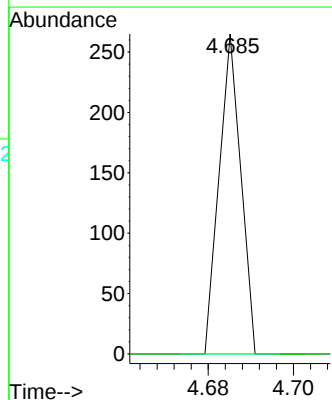
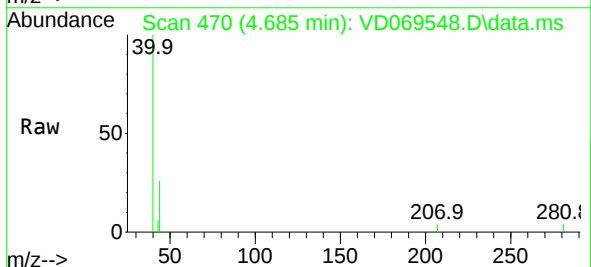
Instrument :
MSVOA_D
ClientSampled :

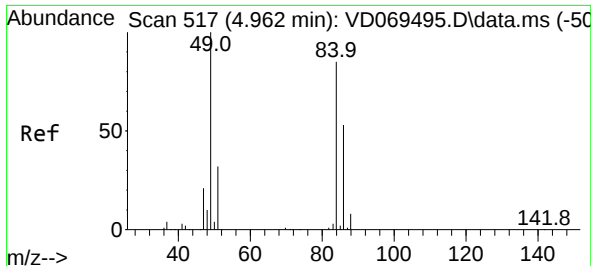
Tgt Ion: 43 Resp: 4091
Ion Ratio Lower Upper
43 100
58 14.9 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.685 min Scan# 470
Delta R.T. -0.035 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

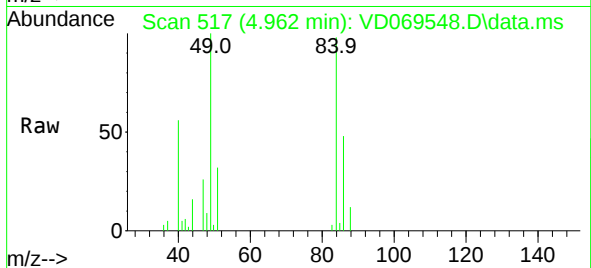
Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



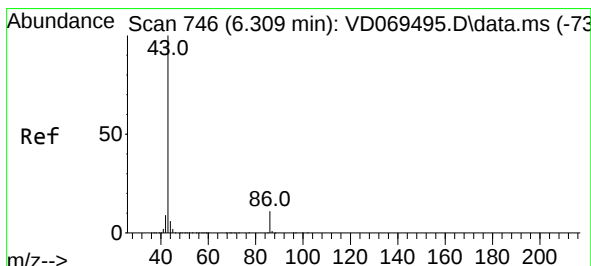
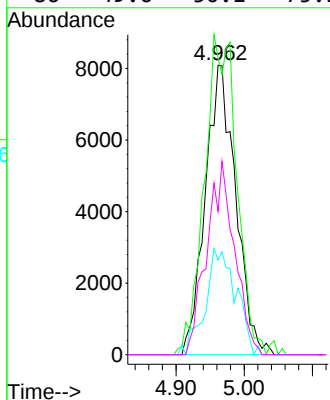
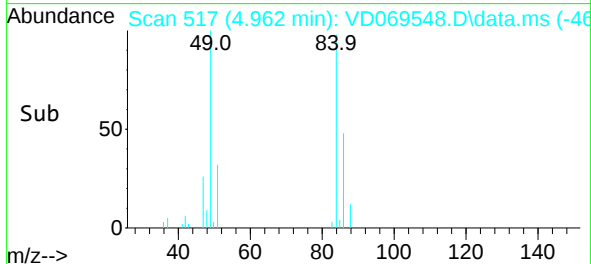


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

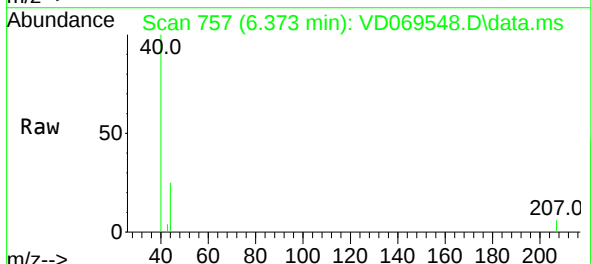
Instrument :
MSVOA_D
ClientSampleId :



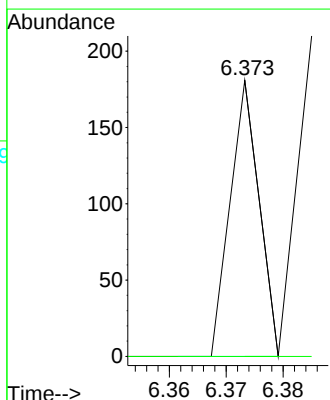
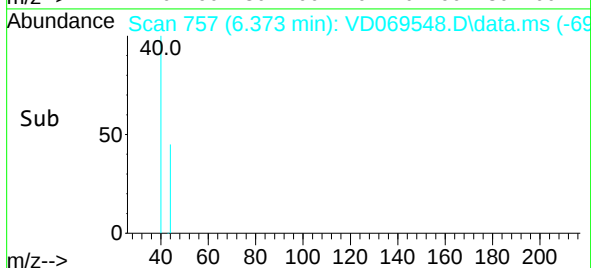
Tgt Ion:	84	Resp:	25110
Ion	Ratio	Lower	Upper
84	100		
49	102.5	94.0	141.0
51	32.7	29.7	44.5
86	49.6	50.1	75.1#

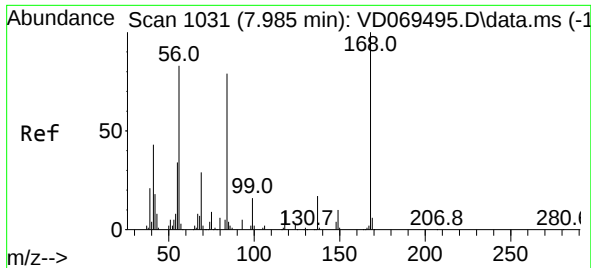


#23
Vinyl Acetate
Concen: 19.016 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.064 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42



Tgt Ion:	43	Resp:	64
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

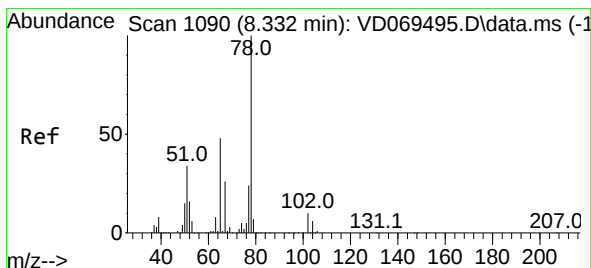
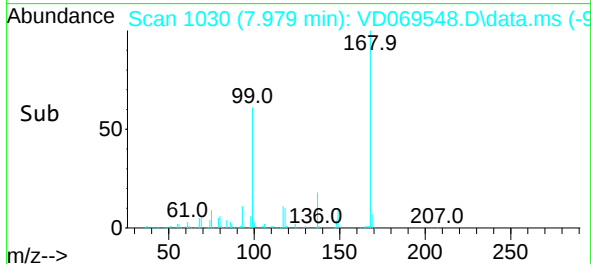
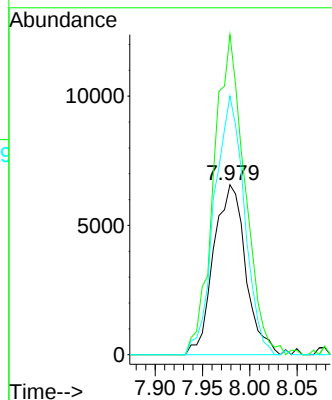
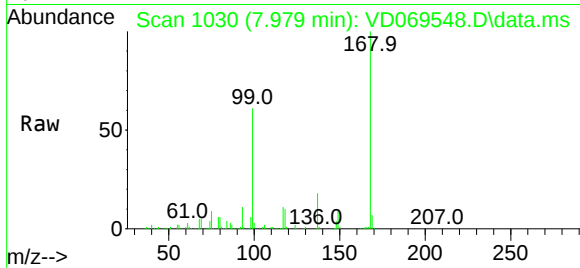




#31
Cyclohexane
Concen: 1.576 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

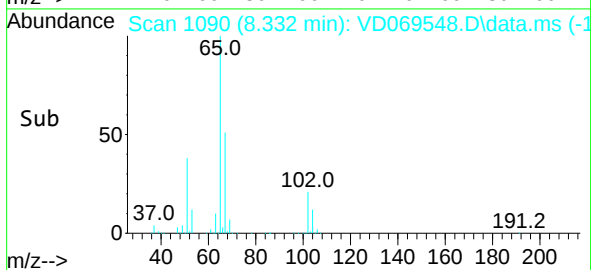
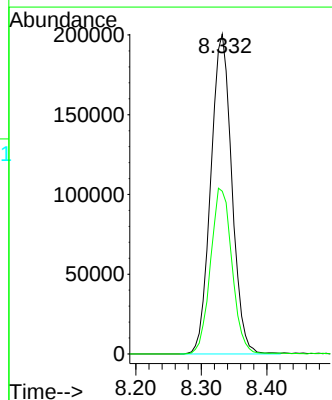
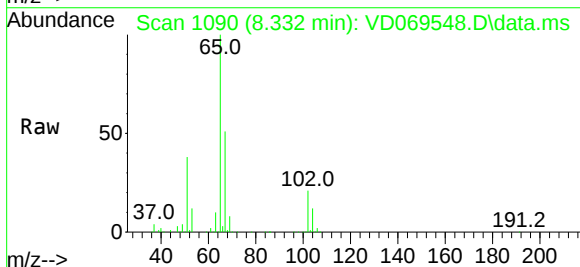
Instrument :
MSVOA_D
ClientSampleId :

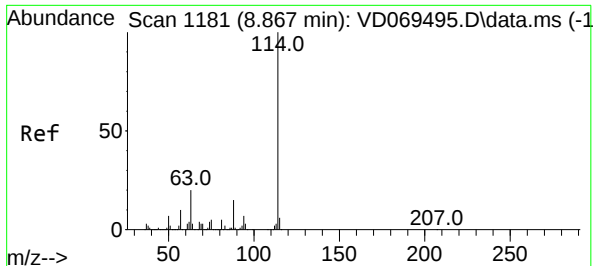
Tgt Ion: 56 Resp: 15438
Ion Ratio Lower Upper
56 100
69 188.3 28.0 42.0#
84 152.2 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 61.325 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Tgt Ion: 65 Resp: 446137
Ion Ratio Lower Upper
65 100
67 52.9 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: VD069548.D

Acq: 23 Jun 2021 16:42

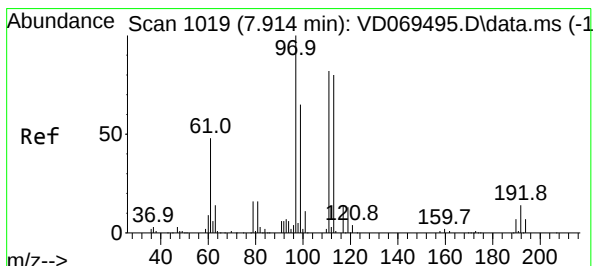
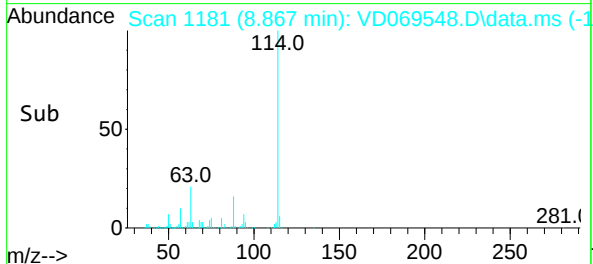
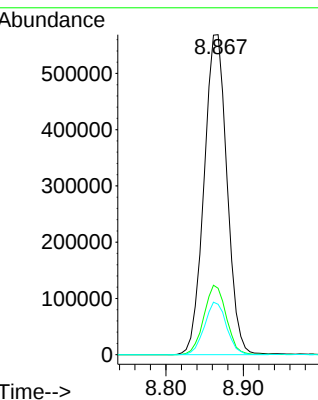
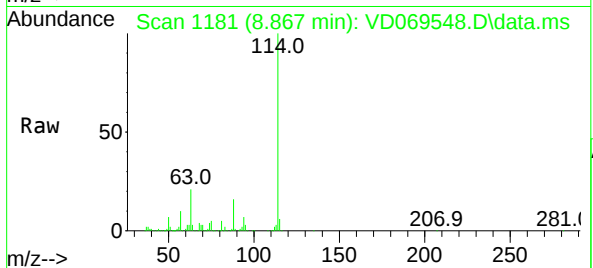
Tgt Ion:114 Resp: 1170695

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 15.7 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.962 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069548.D

Acq: 23 Jun 2021 16:42

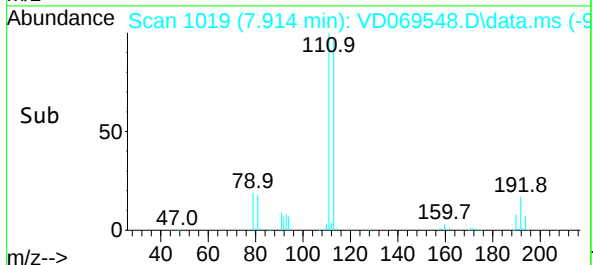
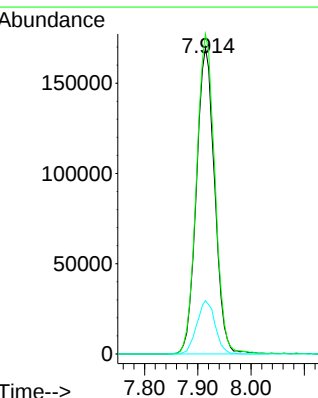
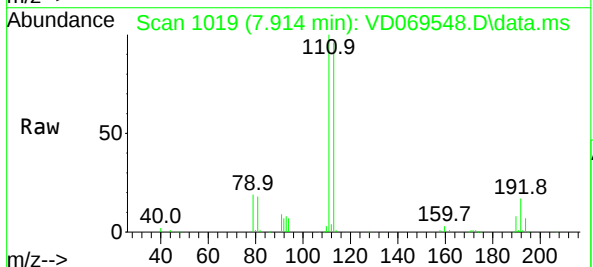
Tgt Ion:113 Resp: 403299

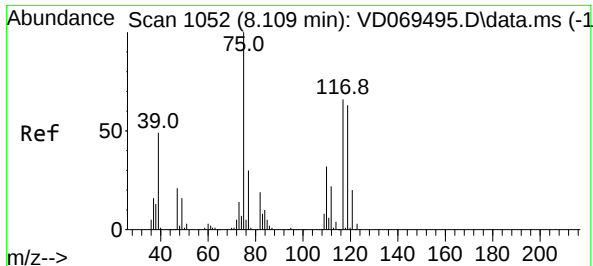
Ion Ratio Lower Upper

113 100

111 105.8 81.8 122.8

192 17.4 13.8 20.6

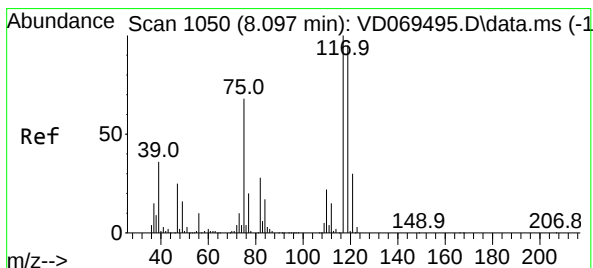
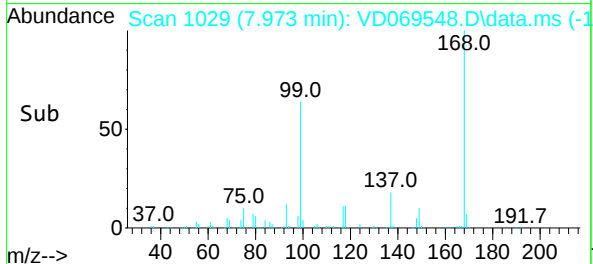
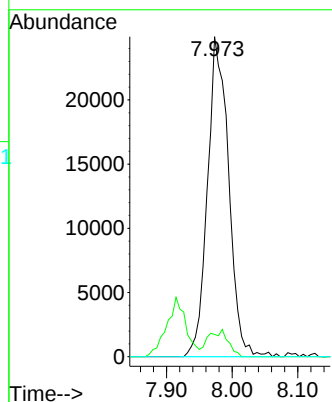
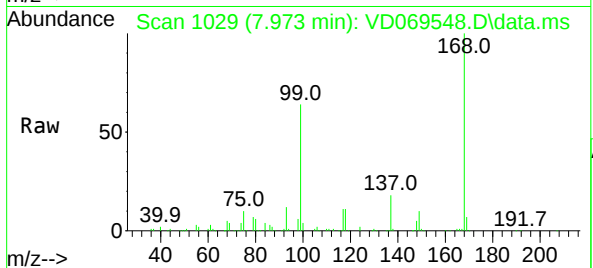




#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

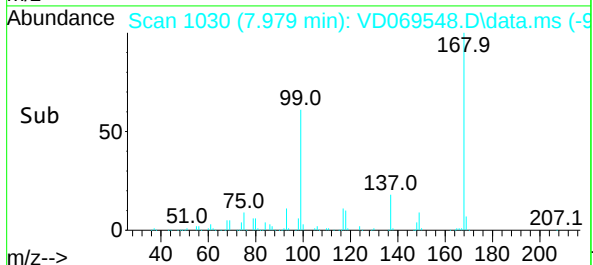
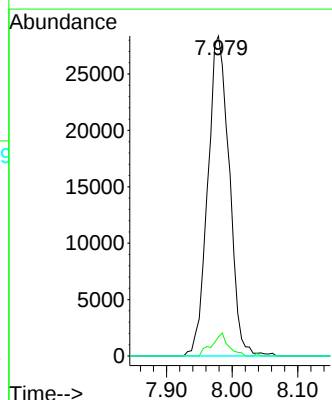
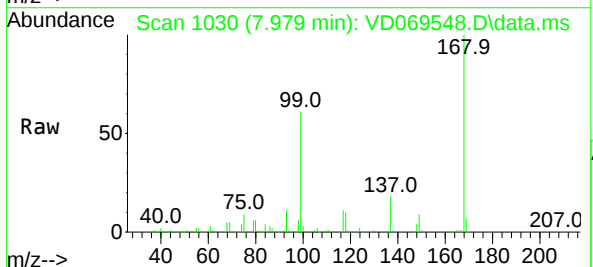
Instrument :
MSVOA_D
ClientSampleId :

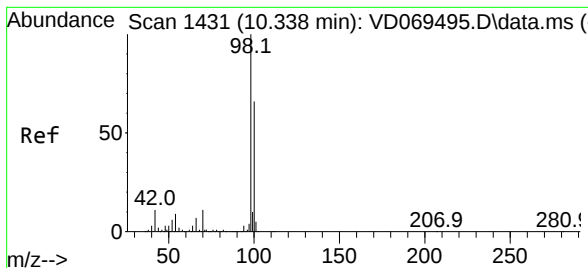
Tgt Ion: 75 Resp: 55853
Ion Ratio Lower Upper
75 100
110 8.0 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Tgt Ion: 117 Resp: 64719
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 23.8 35.8#

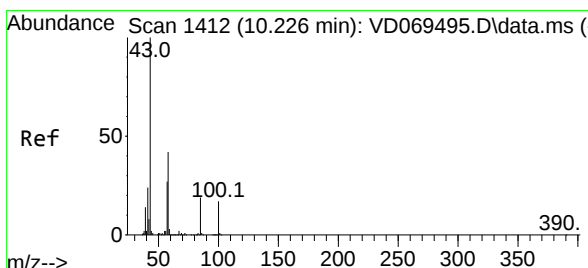
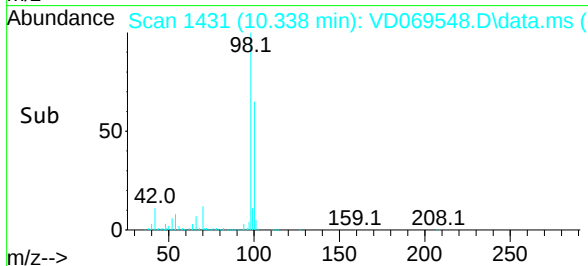
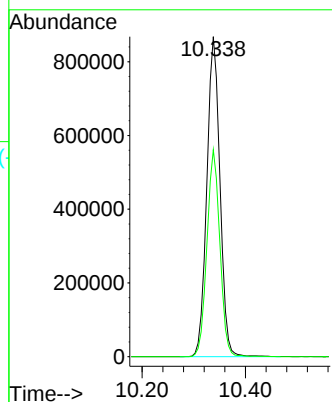
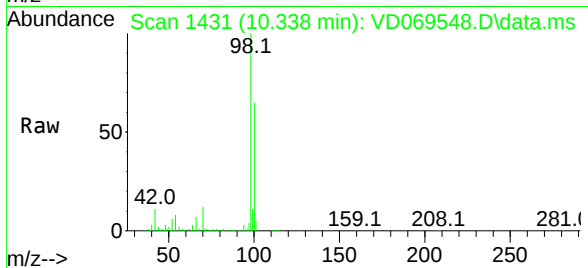




#50
Toluene-d8
Concen: 51.561 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

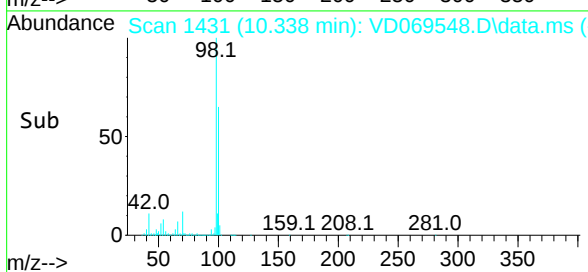
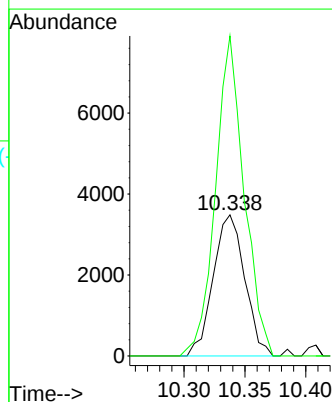
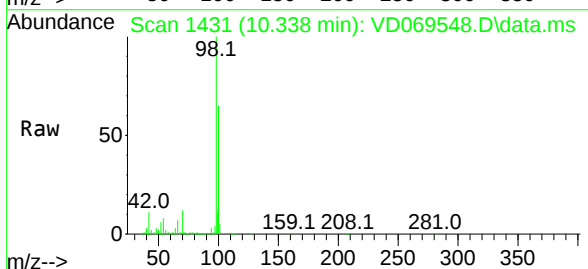
Instrument :
MSVOA_D
ClientSampled :

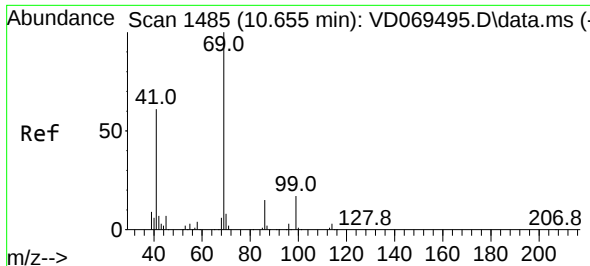
Tgt Ion: 98 Resp: 1530516
Ion Ratio Lower Upper
98 100
100 63.8 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.544 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Tgt Ion: 43 Resp: 6289
Ion Ratio Lower Upper
43 100
58 205.5 33.6 50.4#

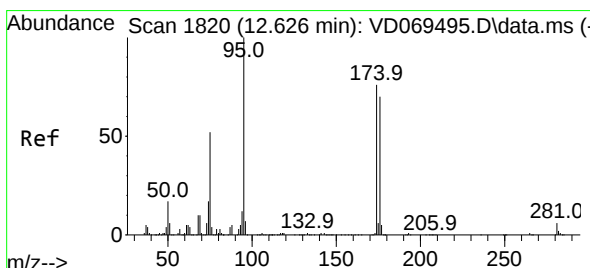
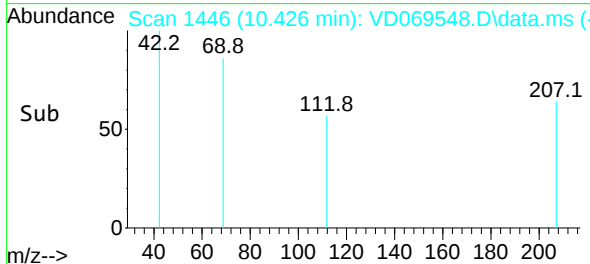
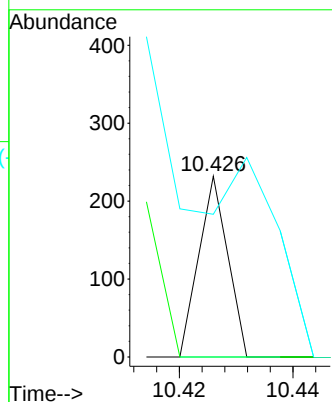
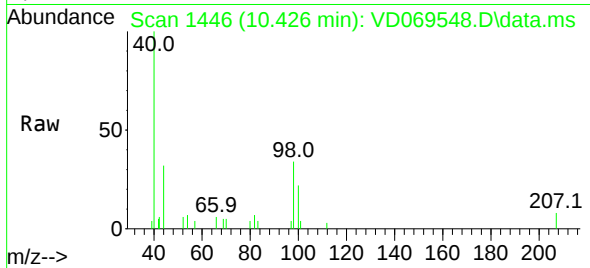




#56
Ethyl methacrylate
Concen: 2.592 ug/l
RT: 10.426 min Scan# 1446
Delta R.T. -0.229 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

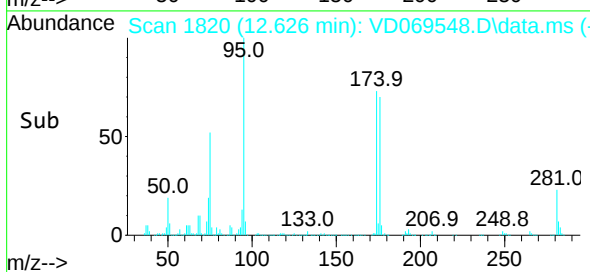
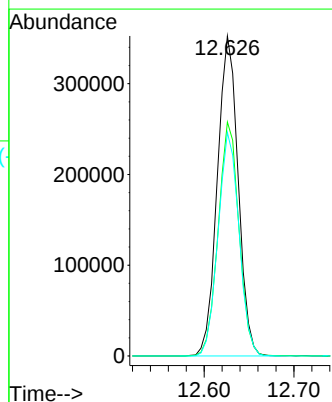
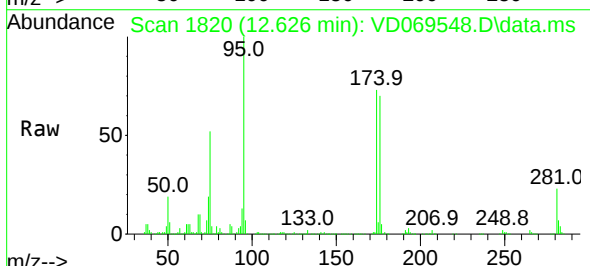
Instrument :
MSVOA_D
ClientSampled :

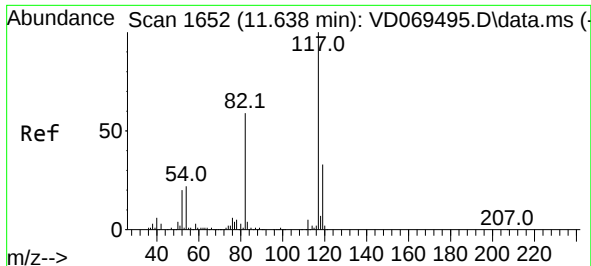
Tgt Ion: 69 Resp: 82
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 0.0 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 58.068 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Tgt Ion: 95 Resp: 566665
Ion Ratio Lower Upper
95 100
174 73.1 0.0 148.0
176 70.2 0.0 139.8

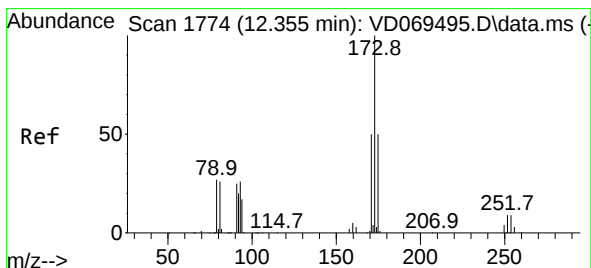
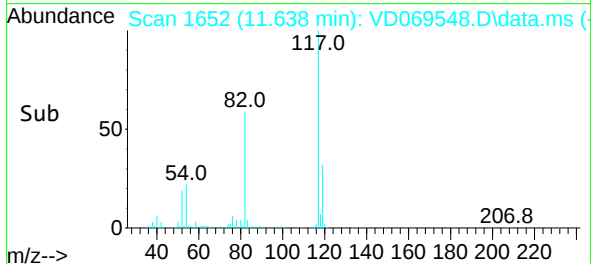
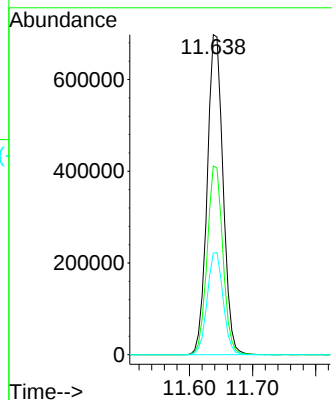
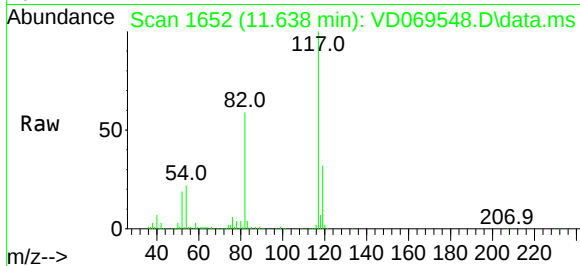




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

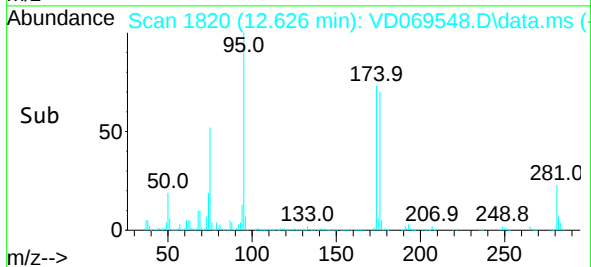
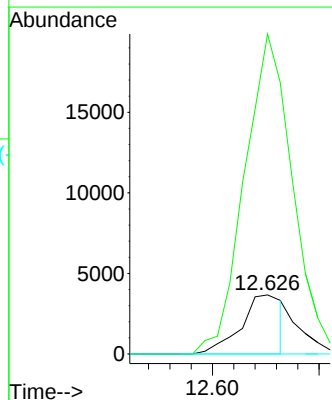
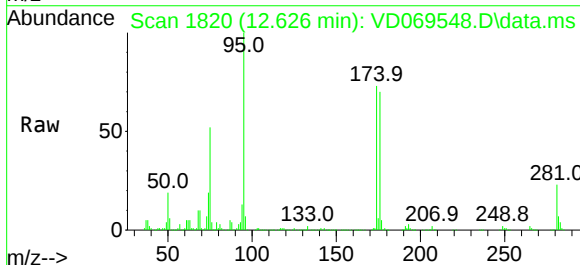
Instrument :
MSVOA_D
ClientSampleId :

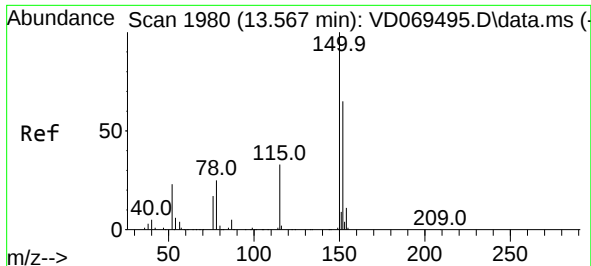
Tgt Ion:117 Resp: 1214810
Ion Ratio Lower Upper
117 100
82 59.0 46.8 70.2
119 31.7 26.2 39.2



#71
Bromoform
Concen: 1.110 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Tgt Ion:173 Resp: 4940
Ion Ratio Lower Upper
173 100
175 492.6 24.6 73.8#
254 0.0 0.1 0.1#

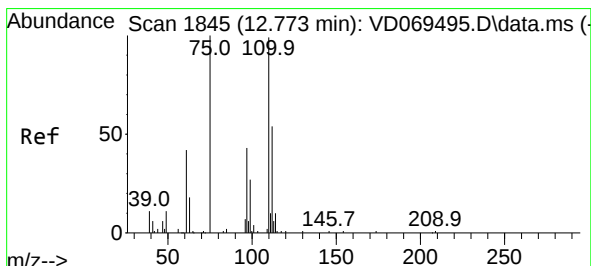
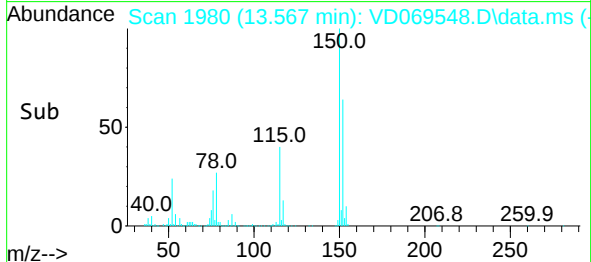
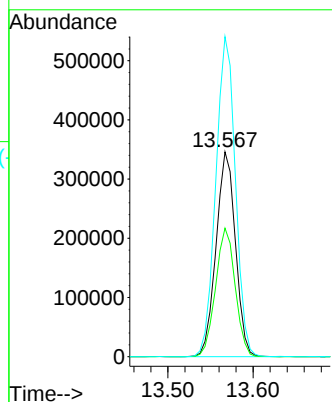
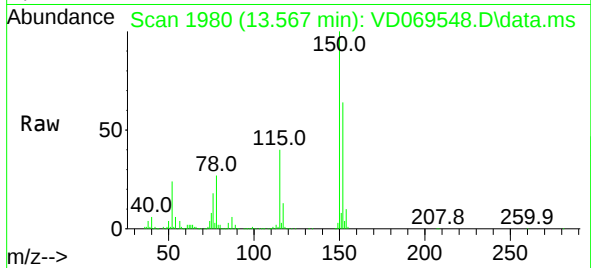




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

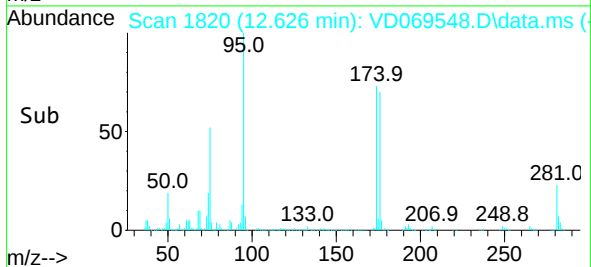
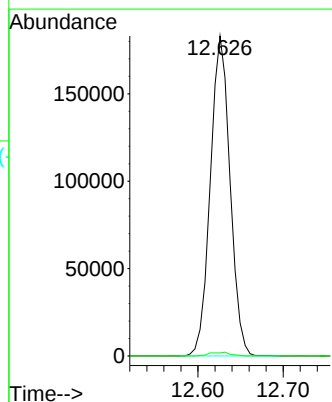
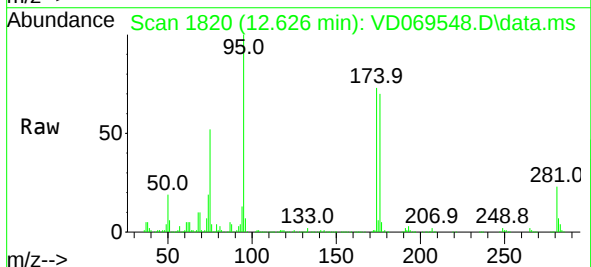
Instrument :
MSVOA_D
ClientSampleId :

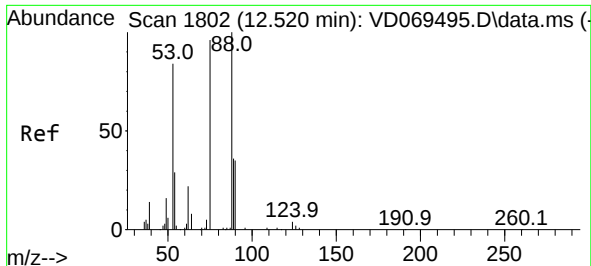
Tgt Ion:152 Resp: 546772
Ion Ratio Lower Upper
152 100
115 63.5 31.7 95.1
150 158.2 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 54.788 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

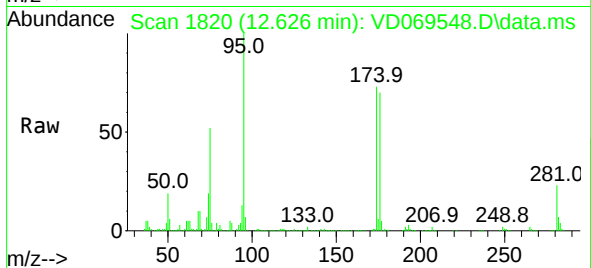
Tgt Ion: 75 Resp: 294064
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



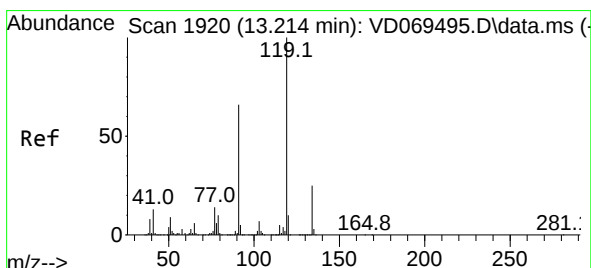
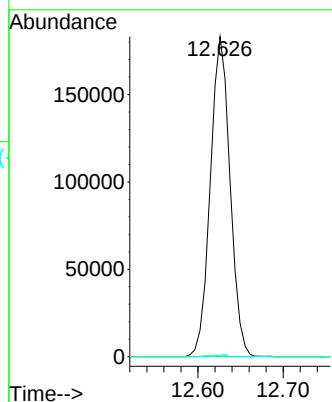
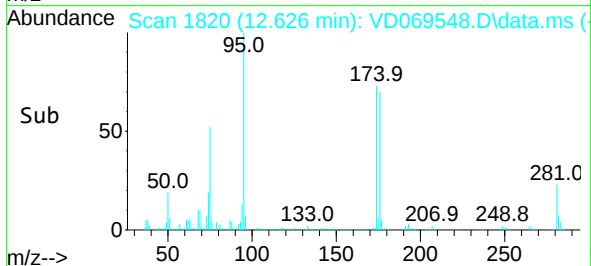


#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.799 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069548.D
 Acq: 23 Jun 2021 16:42

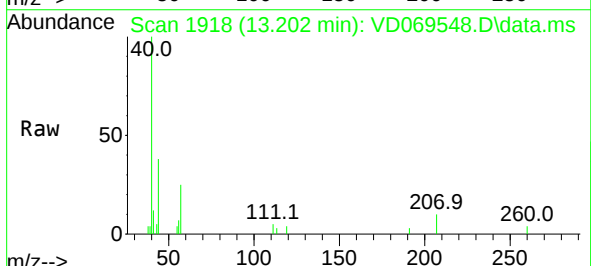
Instrument :
 MSVOA_D
 ClientSampleId :



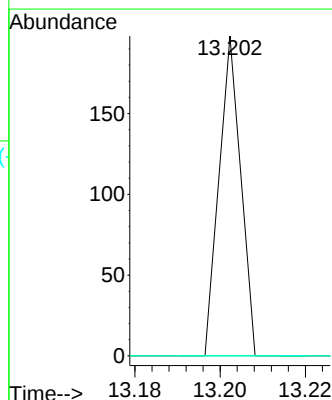
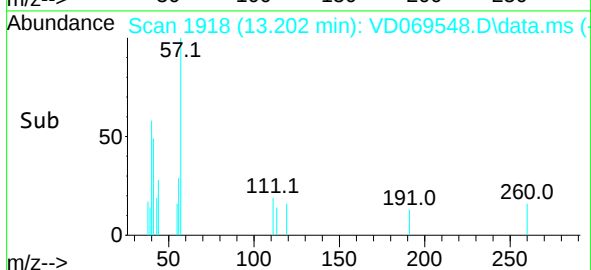
Tgt Ion: 75 Resp: 294064
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 112.0#
 89 0.3 35.3 52.9#

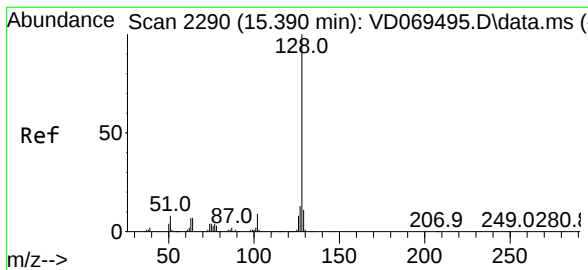


#83
 tert-Butylbenzene
 Concen: 1.995 ug/l
 RT: 13.202 min Scan# 1918
 Delta R.T. -0.012 min
 Lab File: VD069548.D
 Acq: 23 Jun 2021 16:42



Tgt Ion: 119 Resp: 70
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.433 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069548.D
Acq: 23 Jun 2021 16:42

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1436
Ion Ratio Lower Upper
128 100
127 4.0 10.6 16.0#
129 4.7 8.7 13.1#

