

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069597.D
 Acq On : 06 Jul 2021 22:24
 Operator : VA/SY
 Sample : M2946-04
 Misc : 6.43G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-4

Quant Time: Jul 07 04:56:55 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)

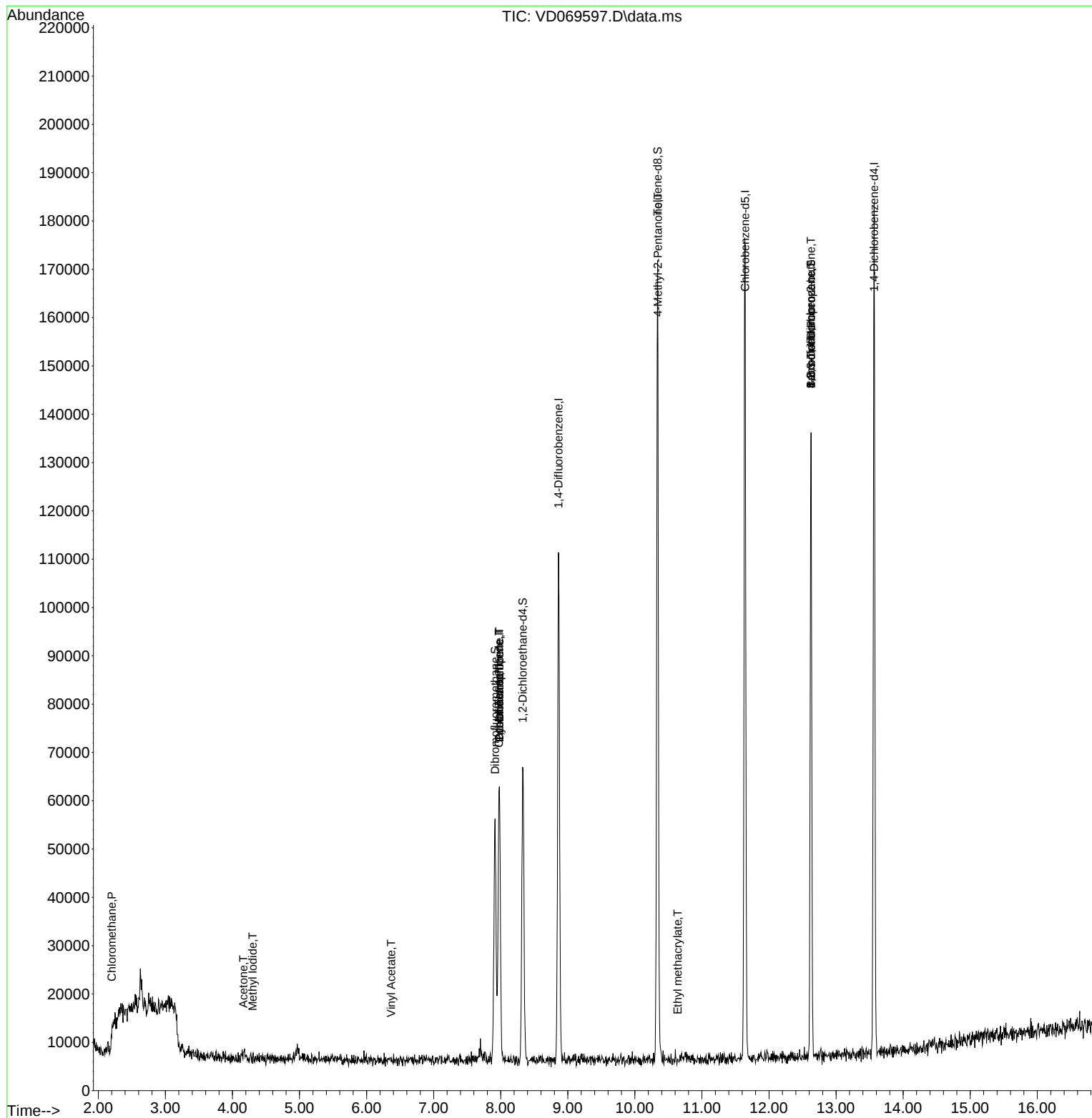
Internal Standards						
1) Pentafluorobenzene	7.979	168	43159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	85908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	98680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	45293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	49805	92.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 185.160%#			
35) Dibromofluoromethane	7.914	113	35670	61.424	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.840%			
50) Toluene-d8	10.338	98	107988	49.576	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.626	95	42327	59.107	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.220%			
Target Compounds			Qvalue			
3) Chloromethane	2.203	50	744	1.229	ug/l #	75
5) Bromomethane	2.756	94	144	Below Cal	#	3
10) Methyl Iodide	4.303	142	96	4.136	ug/l #	39
16) Acetone	4.162	43	1354	14.953	ug/l #	71
18) Methyl Acetate	4.715	43	66	Below Cal	#	49
20) Methylene Chloride	4.967	84	1151	Below Cal	#	66
23) Vinyl Acetate	6.367	43	70	19.095	ug/l #	70
31) Cyclohexane	7.979	56	904	1.248	ug/l #	63
36) 1,1-Dichloropropene	7.979	75	4237	5.025	ug/l #	44
38) Carbon Tetrachloride	7.973	117	4443	5.324	ug/l #	20
51) 4-Methyl-2-Pentanone	10.344	43	537	1.797	ug/l #	1
56) Ethyl methacrylate	10.638	69	57	2.681	ug/l #	27
71) Bromoform	12.626	173	507	1.402	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	20462	46.022	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	20462	114.912	ug/l #	12

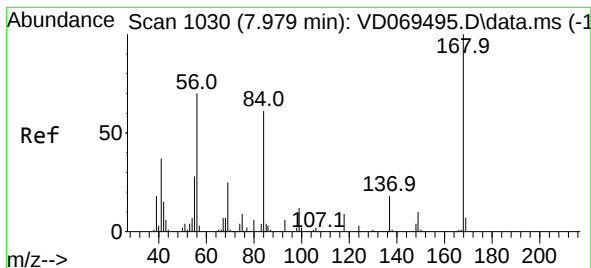
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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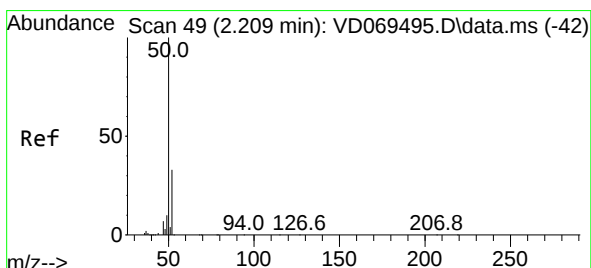
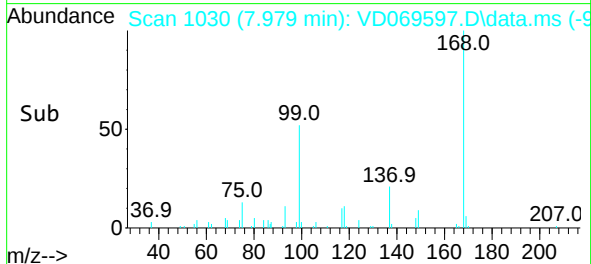
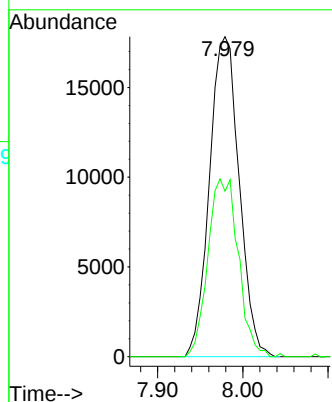
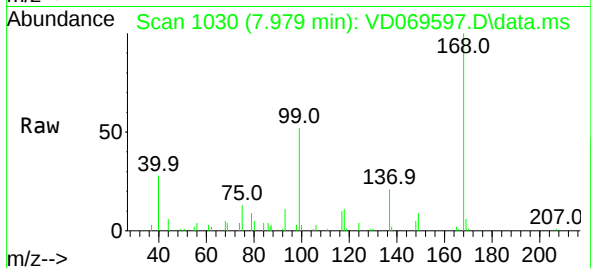




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

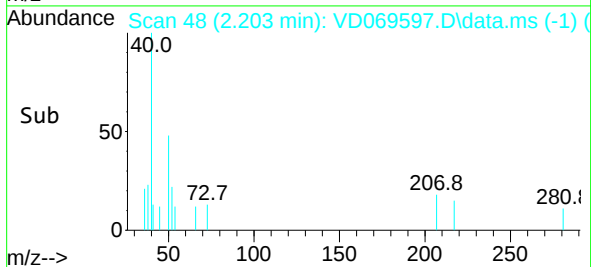
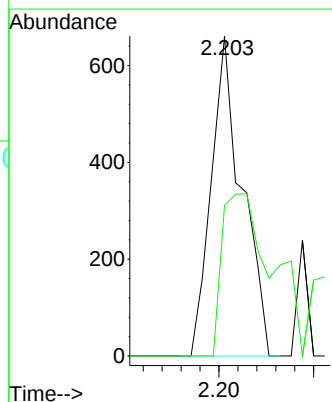
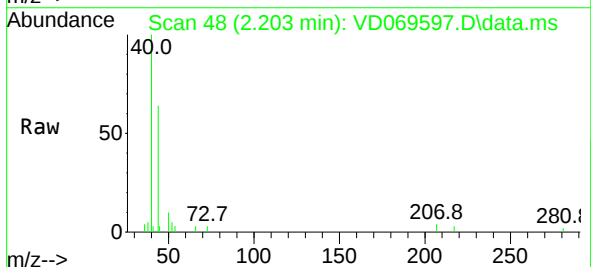
Instrument :
MSVOA_D
ClientSampleId :
SB-4

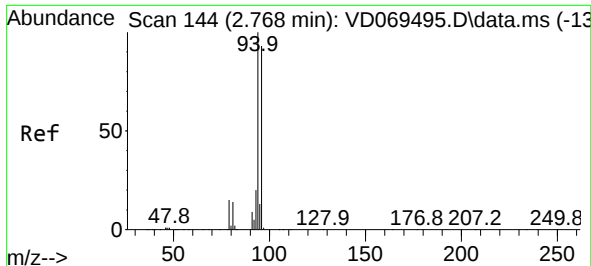
Tgt Ion:168 Resp: 43159
Ion Ratio Lower Upper
168 100
99 51.7 49.3 73.9



#3
Chloromethane
Concen: 1.229 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Tgt Ion: 50 Resp: 744
Ion Ratio Lower Upper
50 100
52 47.0 26.3 39.5#

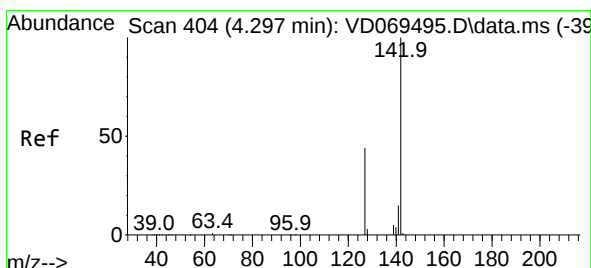
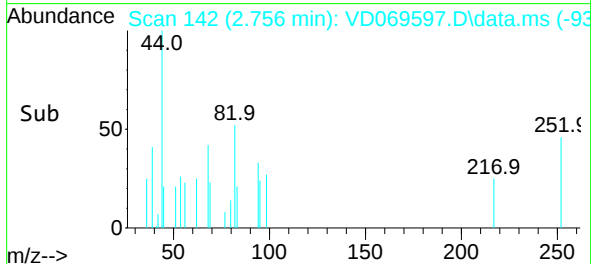
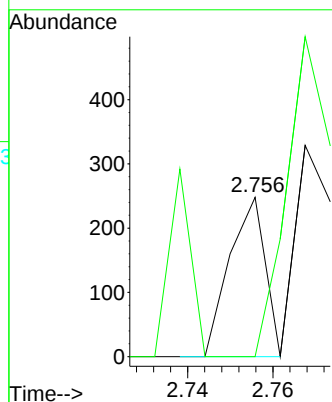
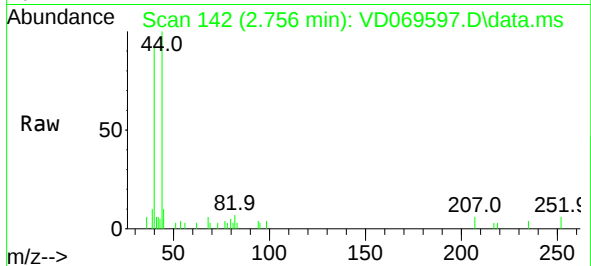




#5
Bromomethane
Concen: Below Cal
RT: 2.756 min Scan# 142
Delta R.T. -0.012 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

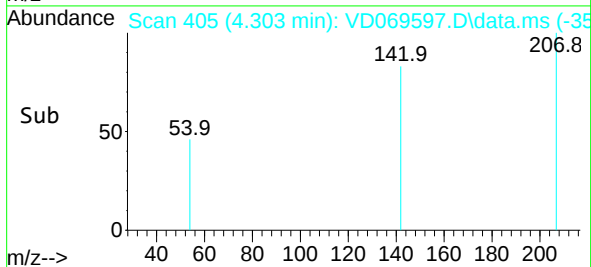
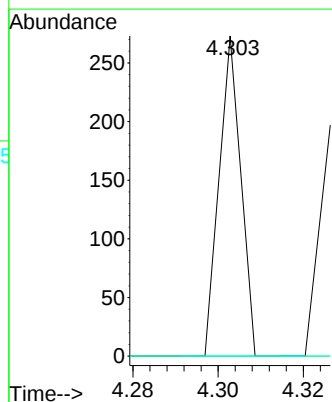
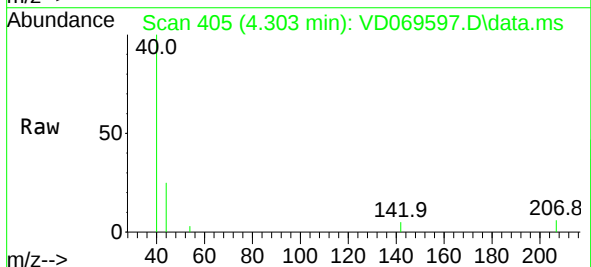
Instrument :
MSVOA_D
ClientSampled :
SB-4

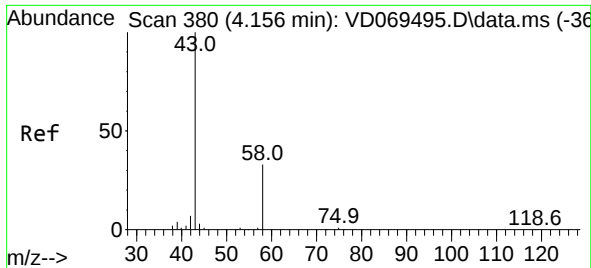
Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#10
Methyl Iodide
Concen: 4.136 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Tgt Ion: 142 Resp: 96
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#

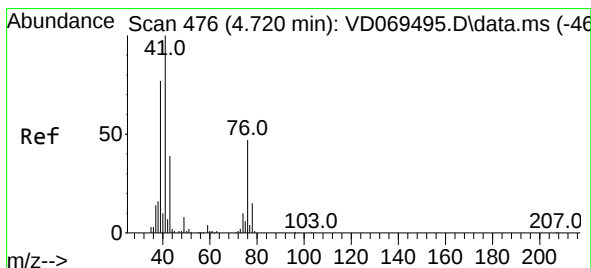
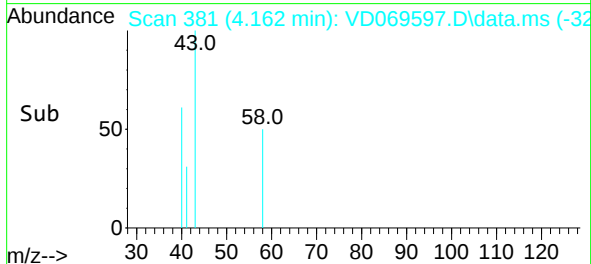
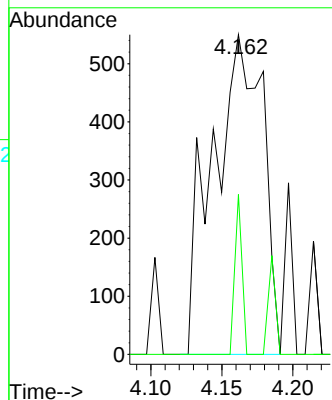
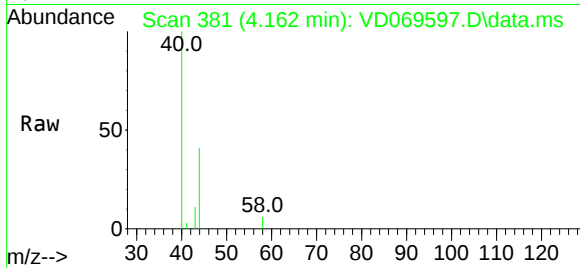




#16
Acetone
Concen: 14.953 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

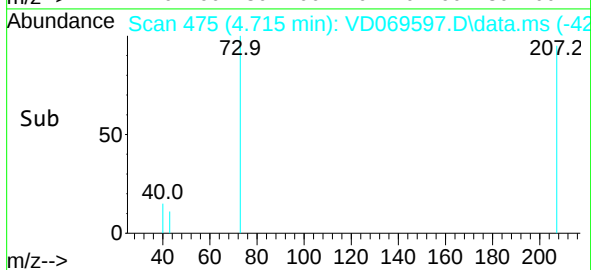
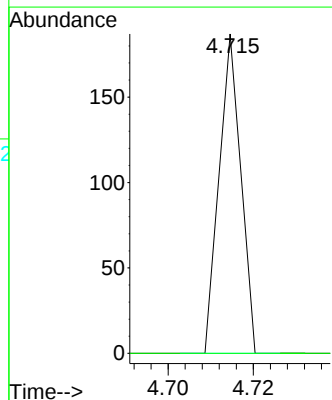
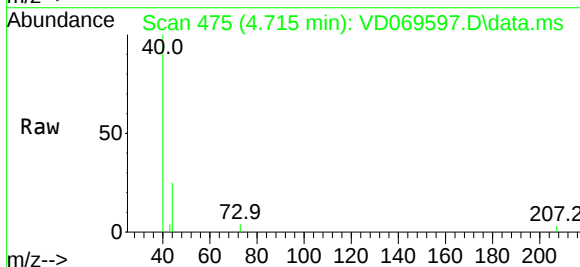
Instrument :
MSVOA_D
ClientSampled :
SB-4

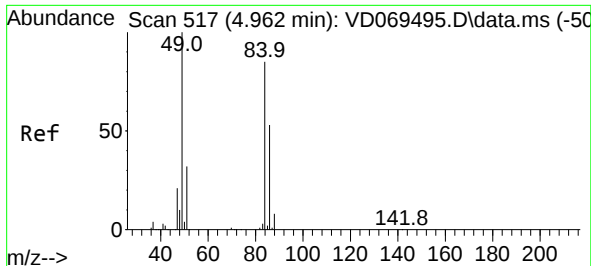
Tgt Ion: 43 Resp: 1354
Ion Ratio Lower Upper
43 100
58 50.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Tgt Ion: 43 Resp: 66
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

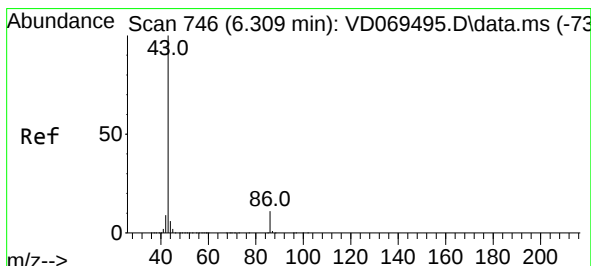
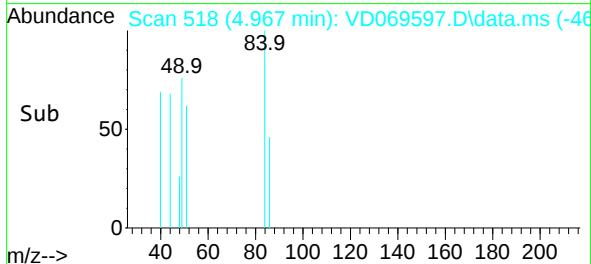
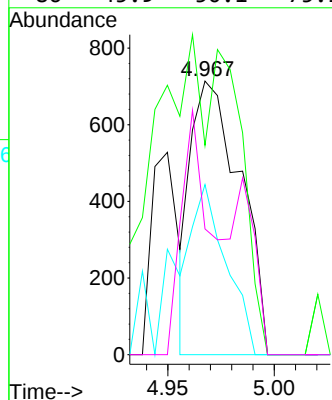
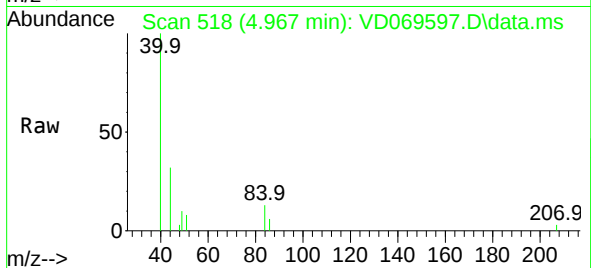
Delta R.T. 0.005 min

Lab File: VD069597.D

Acq: 06 Jul 2021 22:24

Instrument :
MSVOA_D
ClientSampleId :
SB-4

Tgt Ion:	84	Resp:	1151
Ion	Ratio	Lower	Upper
84	100		
49	76.5	94.0	141.0#
51	62.2	29.7	44.5#
86	45.9	50.1	75.1#



#23

Vinyl Acetate

Concen: 19.095 ug/l

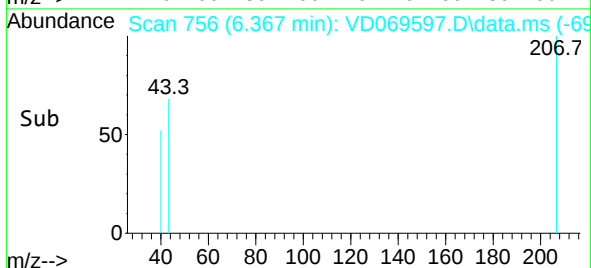
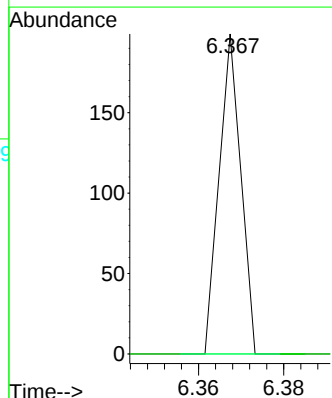
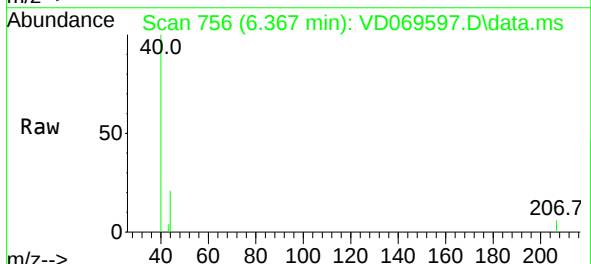
RT: 6.367 min Scan# 756

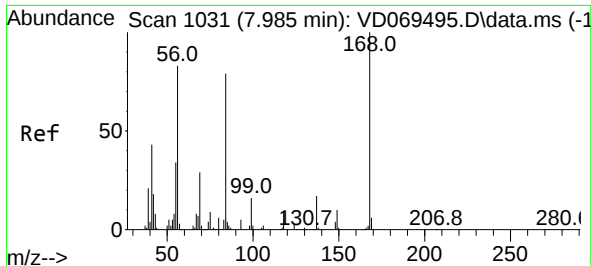
Delta R.T. 0.058 min

Lab File: VD069597.D

Acq: 06 Jul 2021 22:24

Tgt Ion:	43	Resp:	70
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#





#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069597.D

Acq: 06 Jul 2021 22:24

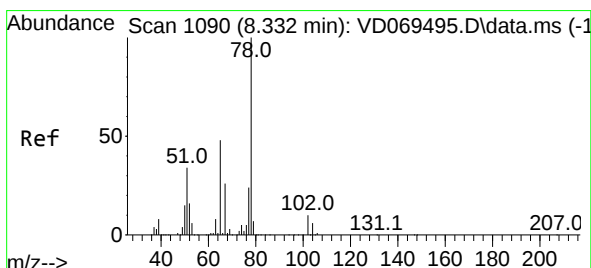
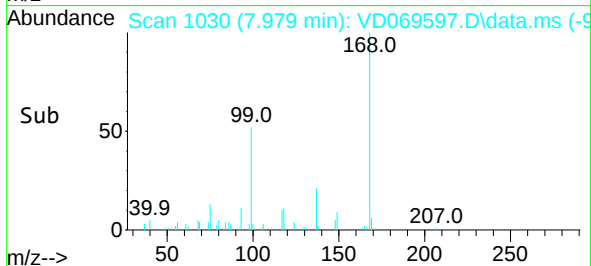
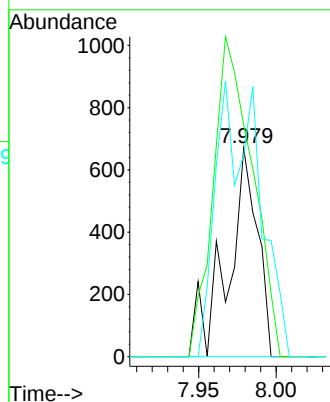
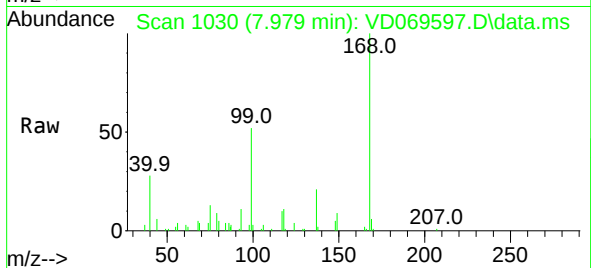
Instrument :

MSVOA_D

ClientSampled :

SB-4

Tgt Ion:	56	Resp:	904
Ion	Ratio	Lower	Upper
56	100		
69	111.0	28.0	42.0#
84	96.7	75.7	113.5



#33

1,2-Dichloroethane-d4

Concen: 92.580 ug/l

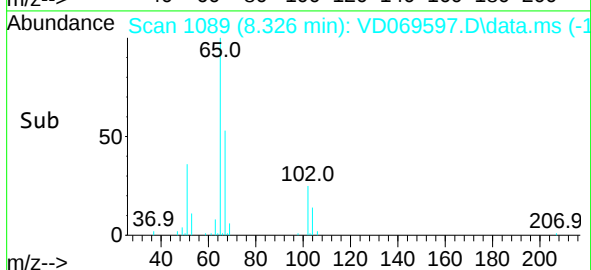
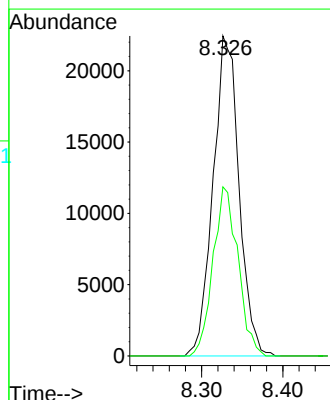
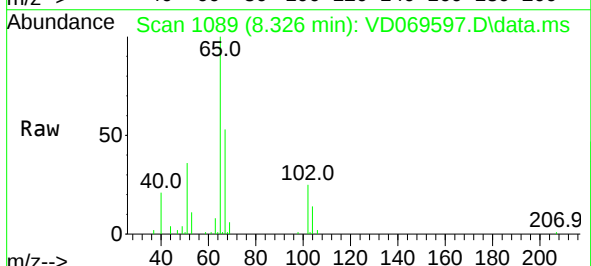
RT: 8.326 min Scan# 1089

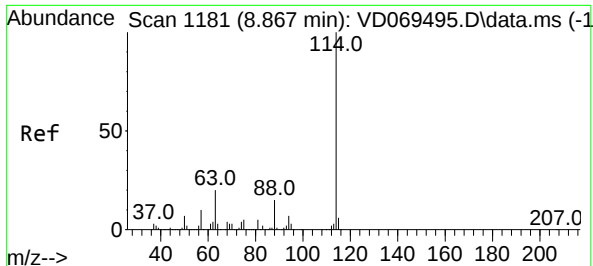
Delta R.T. -0.006 min

Lab File: VD069597.D

Acq: 06 Jul 2021 22:24

Tgt Ion:	65	Resp:	49805
Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	105.6



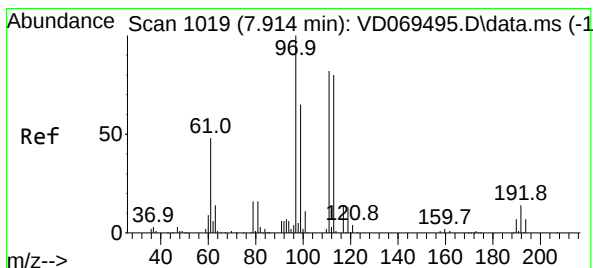
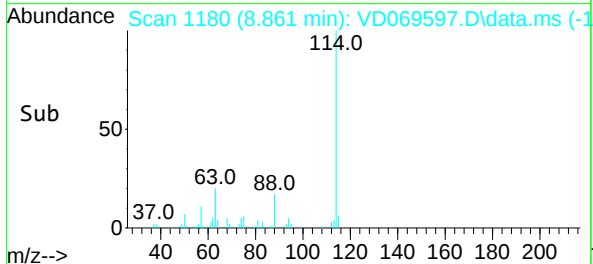
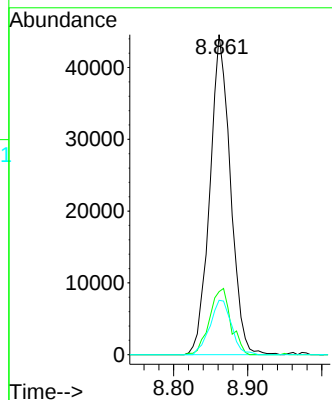
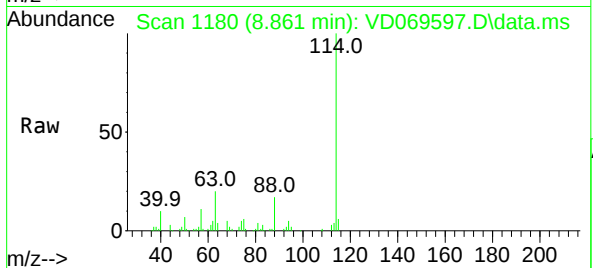


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Instrument :
MSVOA_D
ClientSampled :
SB-4

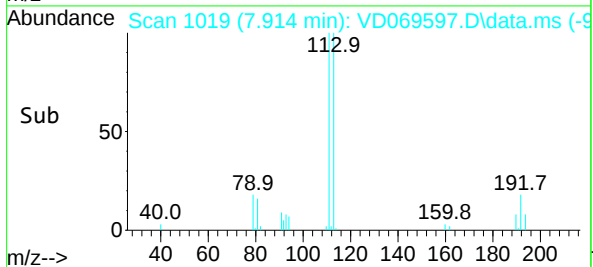
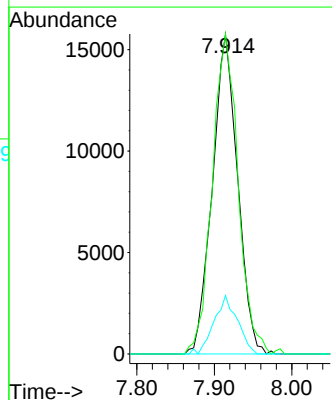
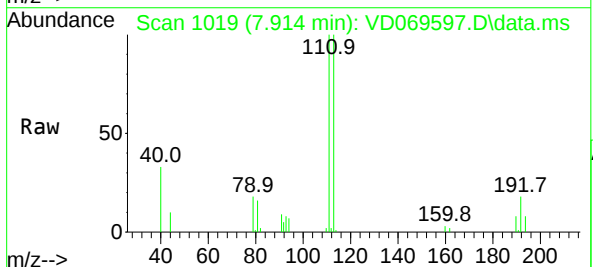
Tgt Ion:114 Resp: 85908
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 17.0 0.0 29.8

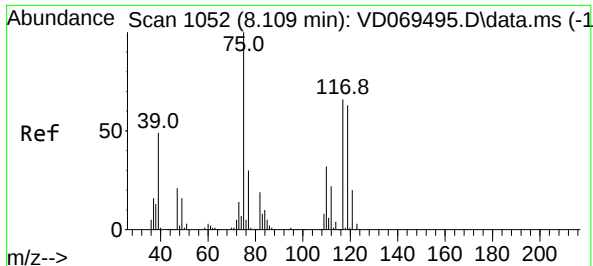


#35

Dibromofluoromethane
Concen: 61.424 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Tgt Ion:113 Resp: 35670
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 16.9 13.8 20.6

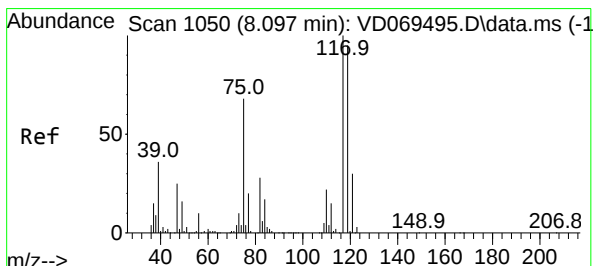
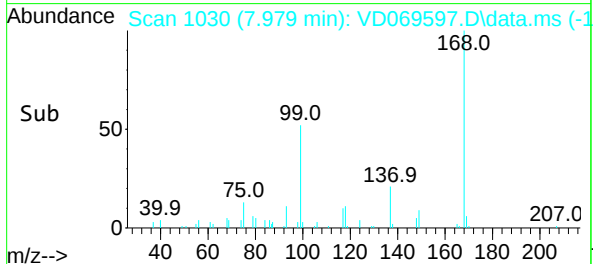
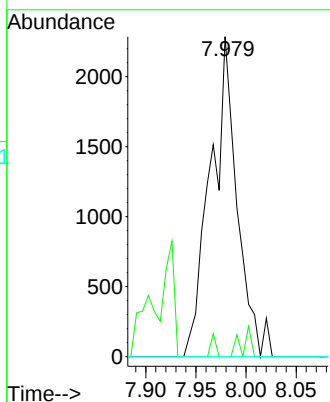
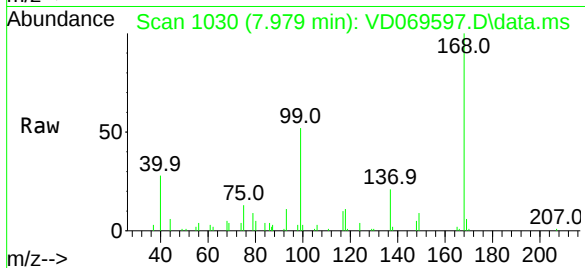




#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

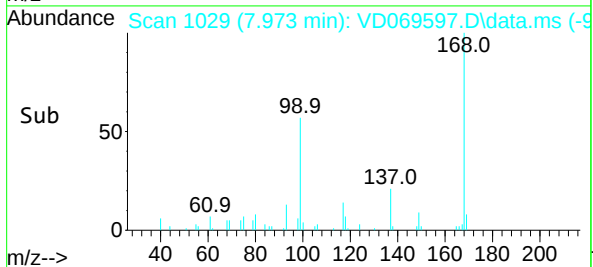
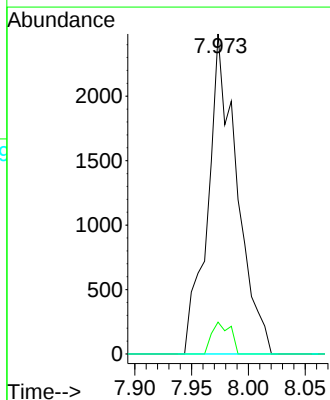
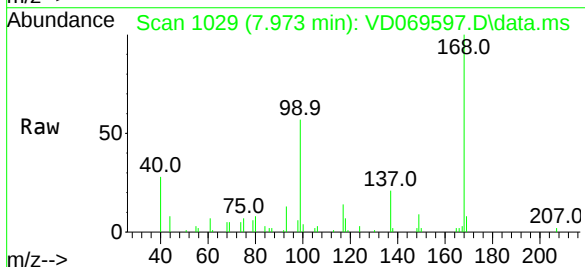
Instrument :
MSVOA_D
ClientSampled :
SB-4

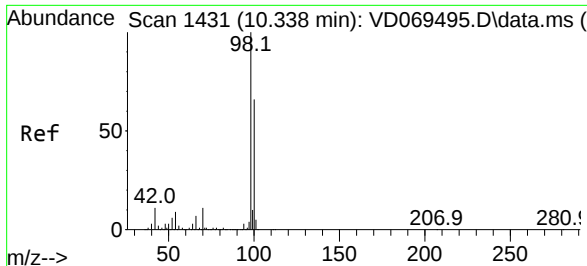
Tgt Ion: 75 Resp: 4237
Ion Ratio Lower Upper
75 100
110 1.3 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.324 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Tgt Ion: 117 Resp: 4443
Ion Ratio Lower Upper
117 100
119 9.9 75.6 113.4#
121 0.0 23.8 35.8#

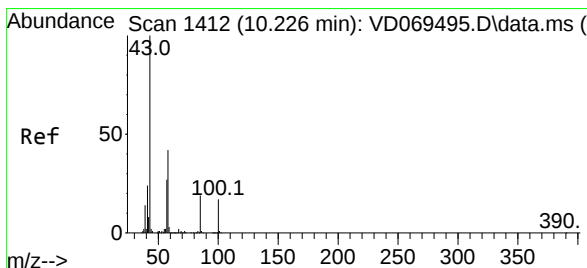
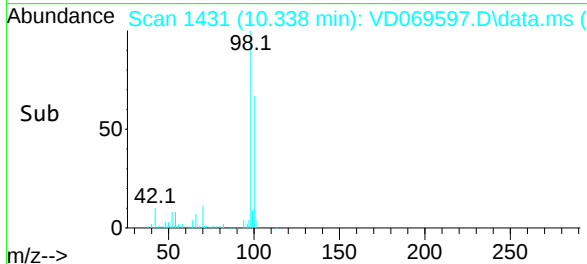
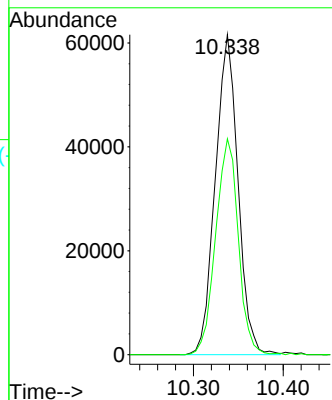
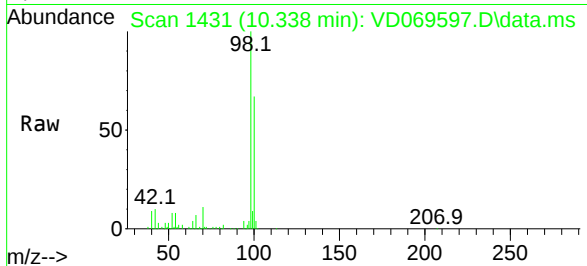




#50
Toluene-d8
Concen: 49.576 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

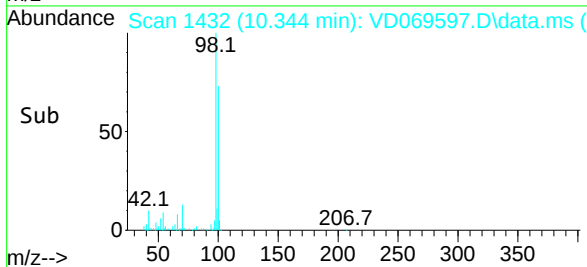
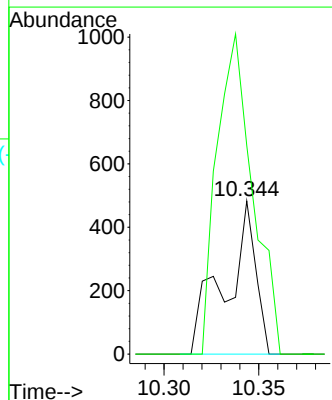
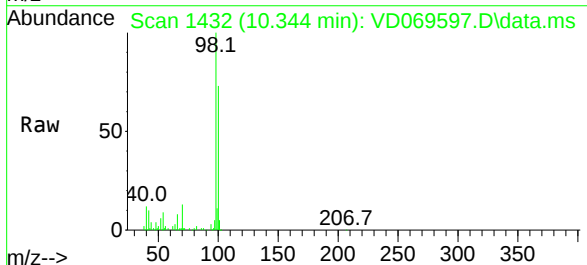
Instrument :
MSVOA_D
ClientSampled :
SB-4

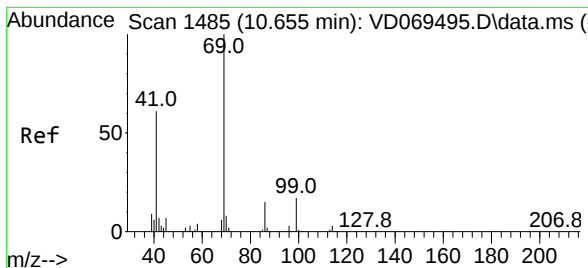
Tgt Ion: 98 Resp: 107988
Ion Ratio Lower Upper
98 100
100 67.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.797 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.118 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Tgt Ion: 43 Resp: 537
Ion Ratio Lower Upper
43 100
58 246.6 33.6 50.4#

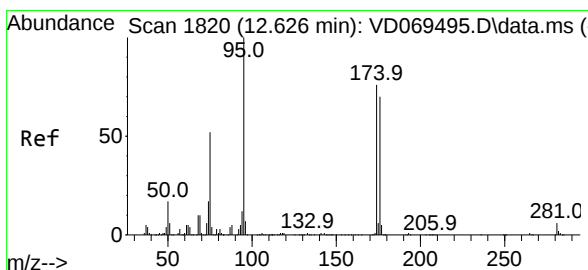
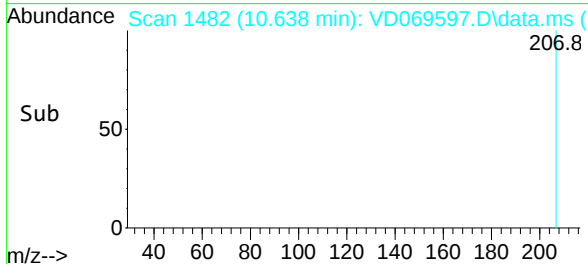
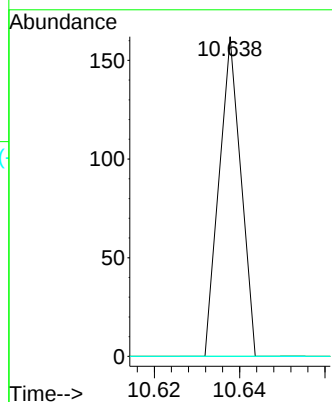
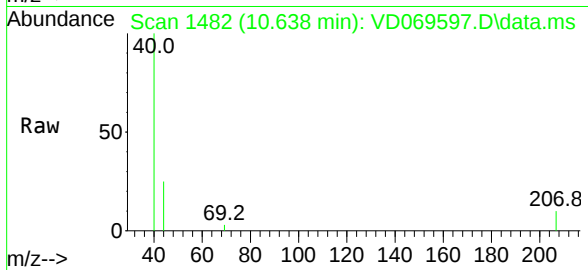




#56
Ethyl methacrylate
Concen: 2.681 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

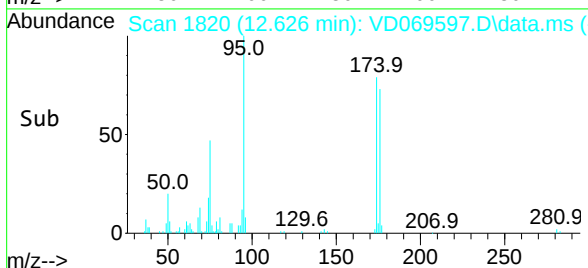
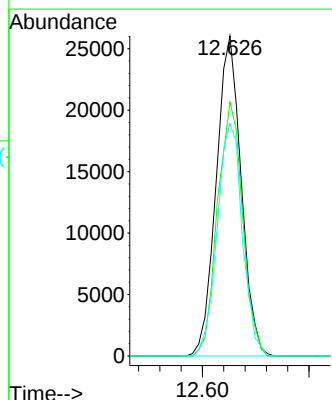
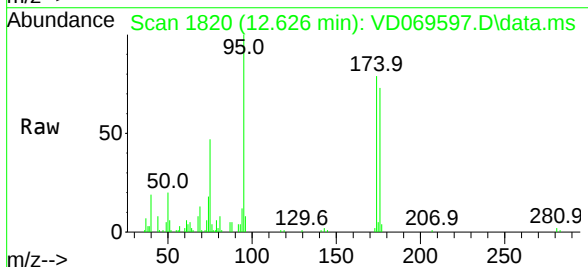
Instrument :
MSVOA_D
ClientSampled :
SB-4

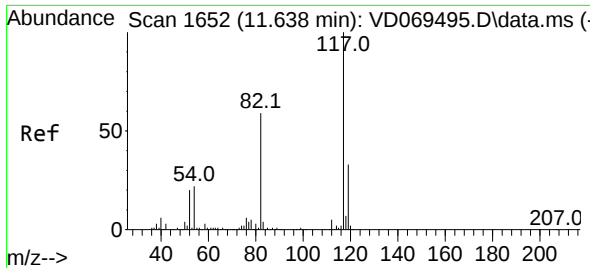
Tgt Ion: 69 Resp: 57
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 0.0 26.9 40.3#



#62
4-Bromofluorobenzene
Concen: 59.107 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

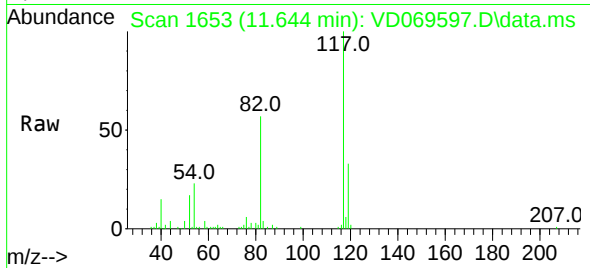
Tgt Ion: 95 Resp: 42327
Ion Ratio Lower Upper
95 100
174 79.4 0.0 148.0
176 73.2 0.0 139.8



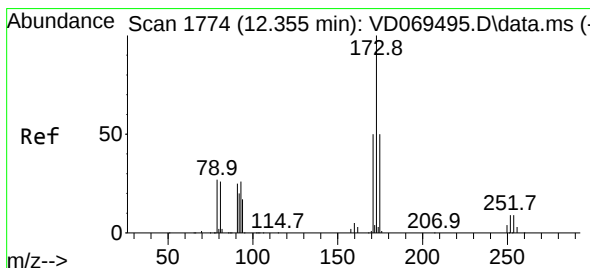
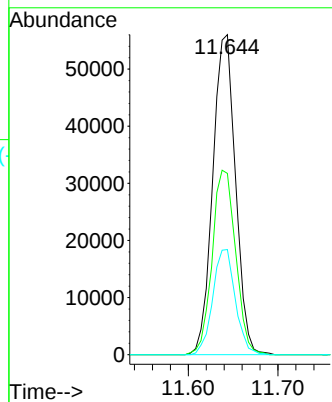
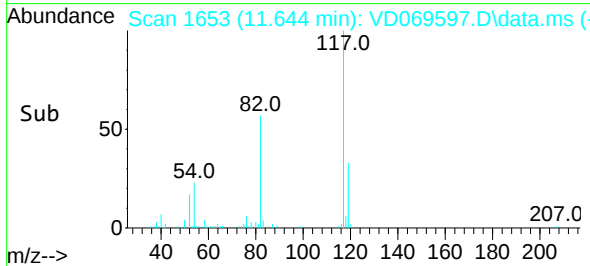


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

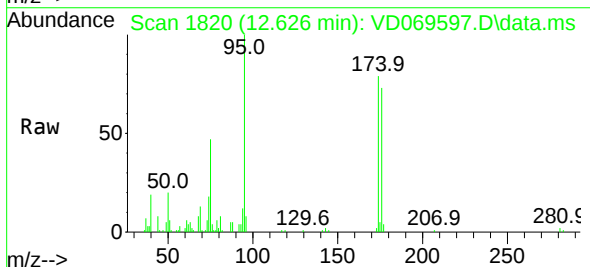
Instrument :
MSVOA_D
ClientSampleId :
SB-4



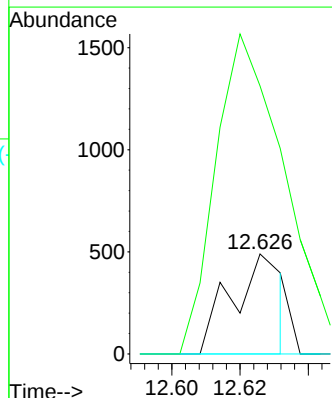
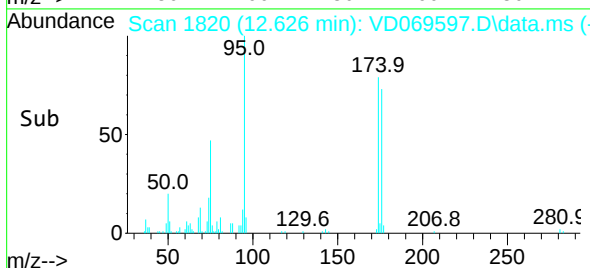
Tgt Ion:117 Resp: 98680
Ion Ratio Lower Upper
117 100
82 56.7 46.8 70.2
119 32.9 26.2 39.2

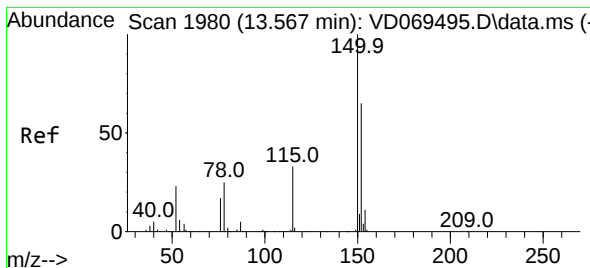


#71
Bromoform
Concen: 1.402 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24



Tgt Ion:173 Resp: 507
Ion Ratio Lower Upper
173 100
175 372.0 24.6 73.8#
254 0.0 0.1 0.1#

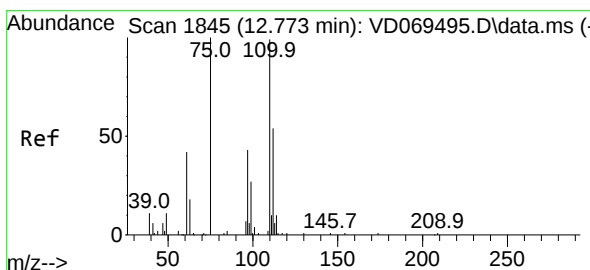
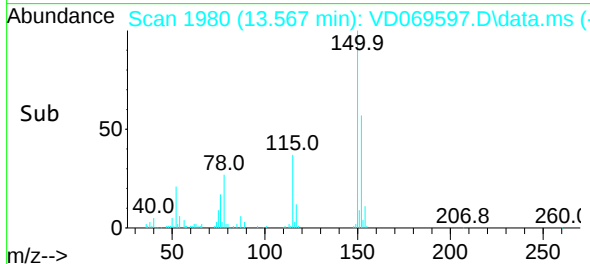
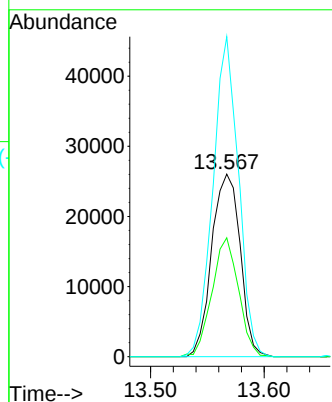
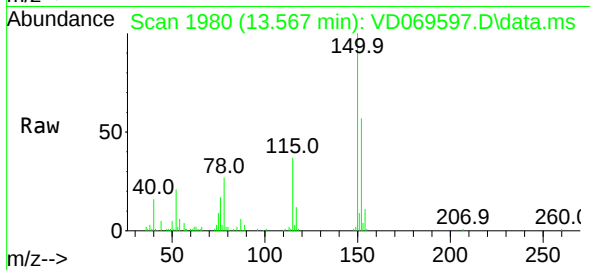




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069597.D
 Acq: 06 Jul 2021 22:24

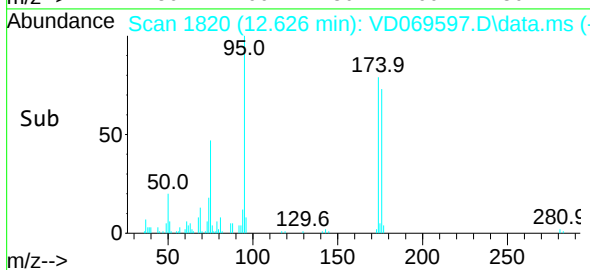
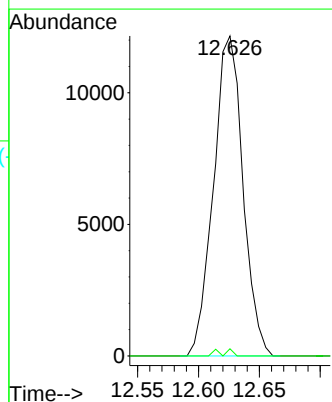
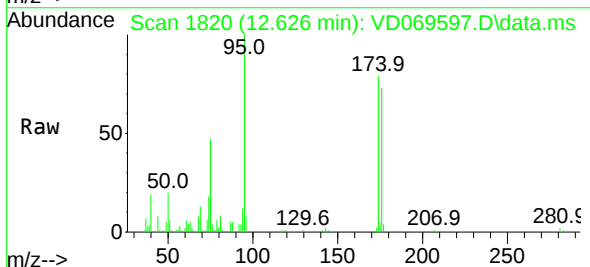
Instrument :
 MSVOA_D
 ClientSampled :
 SB-4

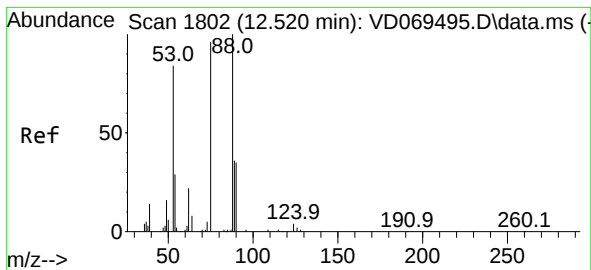
Tgt Ion:152 Resp: 45293
 Ion Ratio Lower Upper
 152 100
 115 60.9 31.7 95.1
 150 157.3 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 46.022 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069597.D
 Acq: 06 Jul 2021 22:24

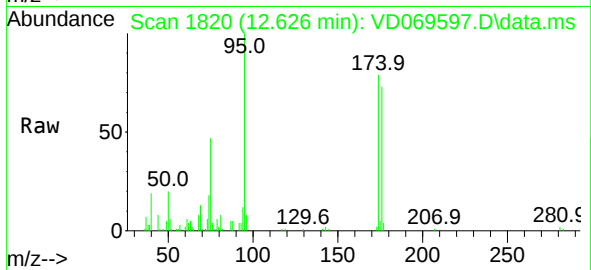
Tgt Ion: 75 Resp: 20462
 Ion Ratio Lower Upper
 75 100
 77 0.9 162.6 487.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 114.912 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069597.D
Acq: 06 Jul 2021 22:24

Instrument :
MSVOA_D
ClientSampleId :
SB-4



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	74.6	112.0#
89	0.0	35.3	52.9#

