

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069571.D
 Acq On : 25 Jun 2021 17:43
 Operator : VA/SY
 Sample : M2857-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11-9.5-10.0

Quant Time: Jun 26 03:40:47 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)

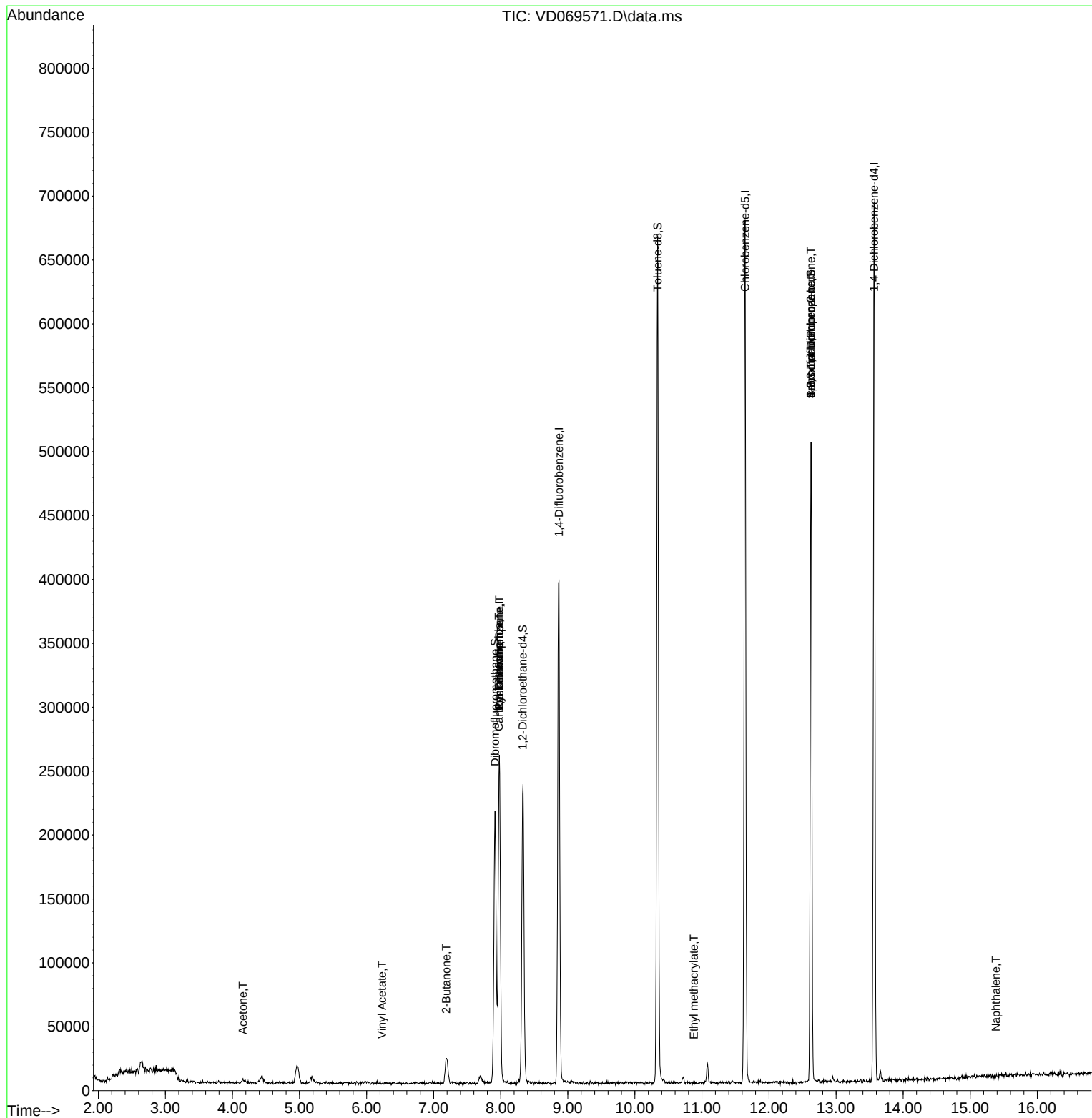
Internal Standards						
1) Pentafluorobenzene	7.979	168	175245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	334764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	398516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	181240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	190743	87.321	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 174.640%#			
35) Dibromofluoromethane	7.914	113	152325	67.313	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 134.620%			
50) Toluene-d8	10.338	98	450408	53.063	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.120%			
62) 4-Bromofluorobenzene	12.626	95	170024	60.929	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 121.860%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	764	Below Cal	#	29
11) Tert butyl alcohol	5.191	59	683	Below Cal	#	83
16) Acetone	4.156	43	5033	13.689	ug/l #	64
18) Methyl Acetate	4.715	43	237	Below Cal	#	49
20) Methylene Chloride	4.962	84	11820	Below Cal	#	71
23) Vinyl Acetate	6.232	43	166	19.060	ug/l #	70
25) 2-Butanone	7.185	43	835	1.787	ug/l #	44
31) Cyclohexane	7.979	56	4330	1.472	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	16838	5.125	ug/l #	48
38) Carbon Tetrachloride	7.973	117	21607	6.645	ug/l #	17
56) Ethyl methacrylate	10.879	69	68	2.612	ug/l #	1
71) Bromoform	12.626	173	1790	1.226	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	85654	48.144	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	85654	120.210	ug/l #	12
95) Naphthalene	15.385	128	79	3.367	ug/l #	69

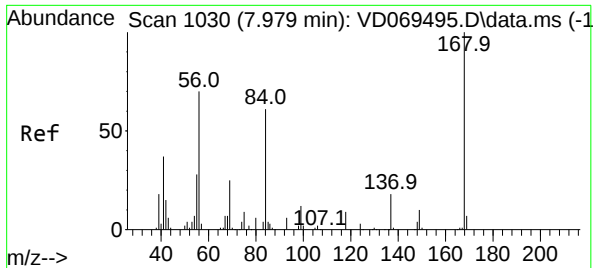
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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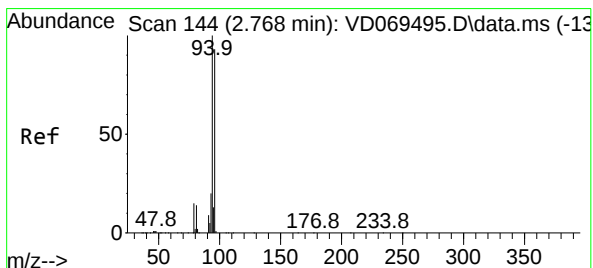
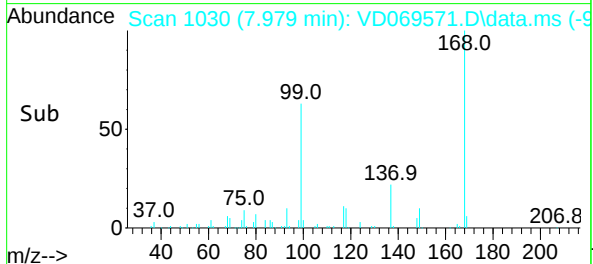
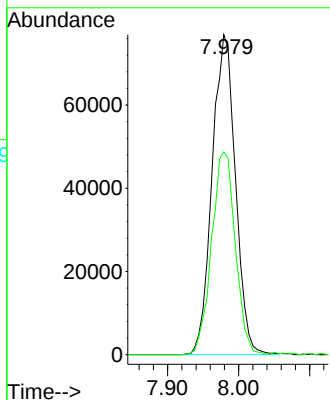
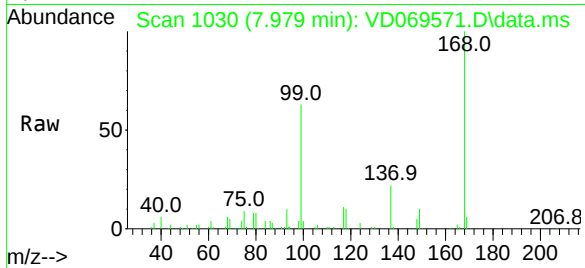




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

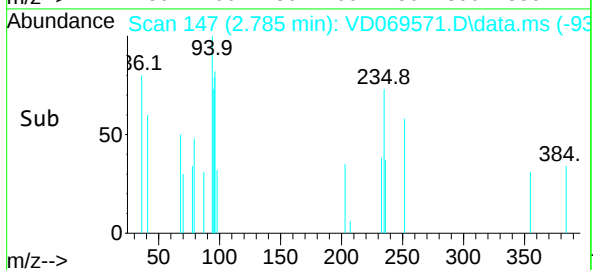
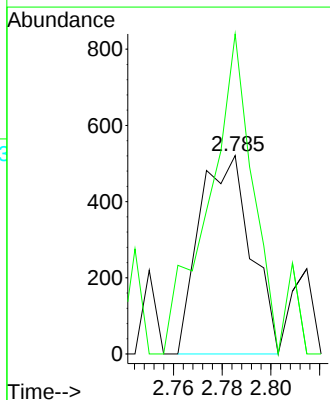
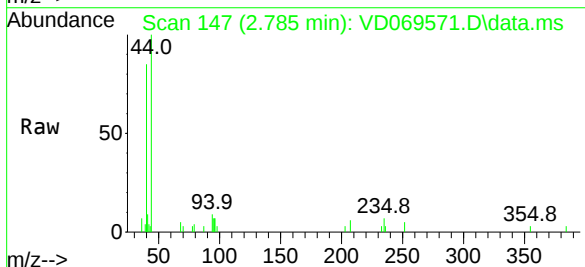
Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

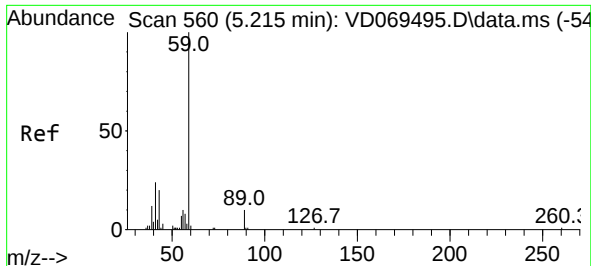
Tgt Ion:168 Resp: 175245
Ion Ratio Lower Upper
168 100
99 63.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion: 94 Resp: 764
Ion Ratio Lower Upper
94 100
96 161.2 74.6 111.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.191 min Scan# 556

Delta R.T. -0.024 min

Lab File: VD069571.D

Acq: 25 Jun 2021 17:43

Tgt Ion: 59 Resp: 683

Ion Ratio Lower Upper

59 100

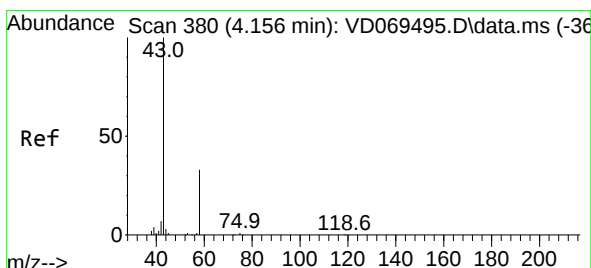
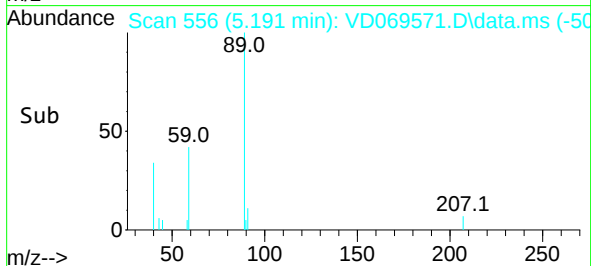
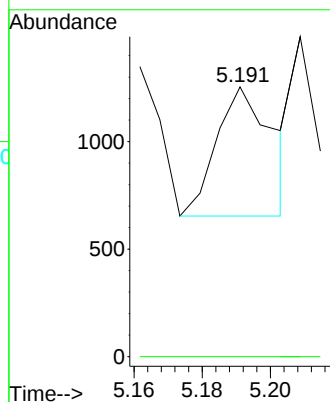
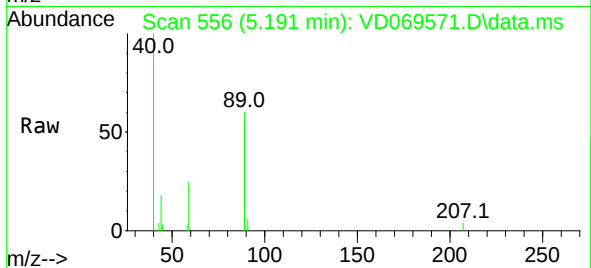
57 0.0 4.6 7.0#

Instrument :

MSVOA_D

ClientSampleId :

SB-11-9.5-10.0



#16

Acetone

Concen: 13.689 ug/l

RT: 4.156 min Scan# 380

Delta R.T. 0.000 min

Lab File: VD069571.D

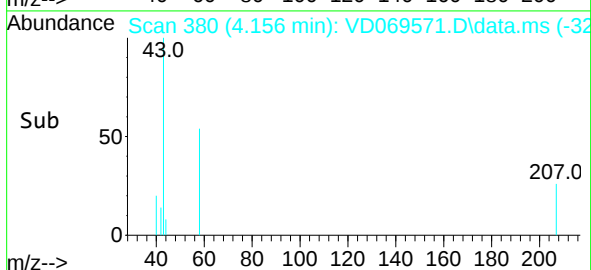
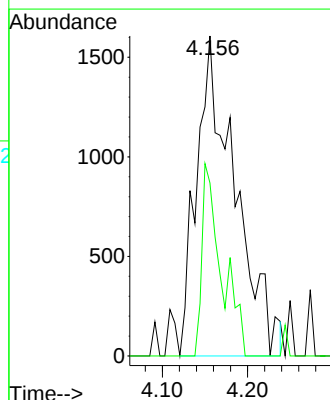
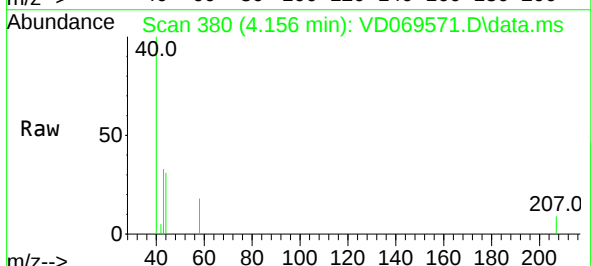
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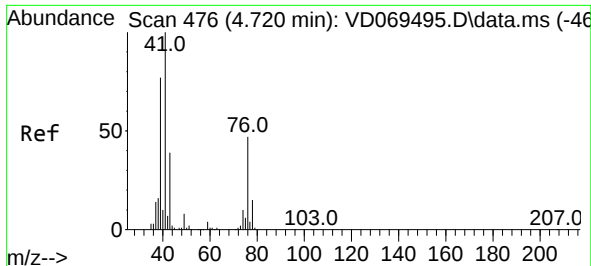
Tgt Ion: 43 Resp: 5033

Ion Ratio Lower Upper

43 100

58 54.1 26.8 40.2#

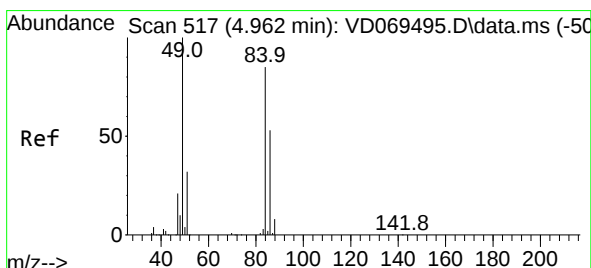
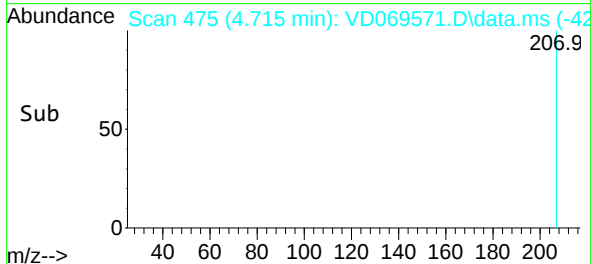
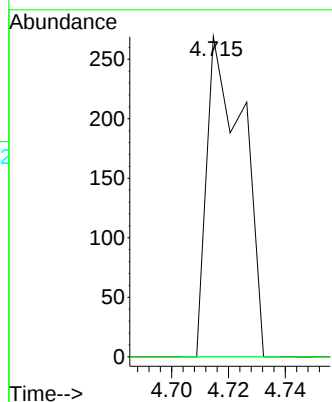
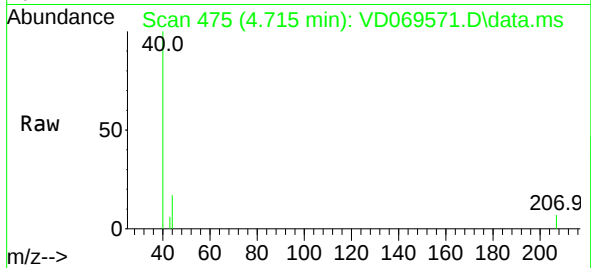




#18
Methyl Acetate
Concen: Below Cal
RT: 4.715 min Scan# 475
Delta R.T. -0.005 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

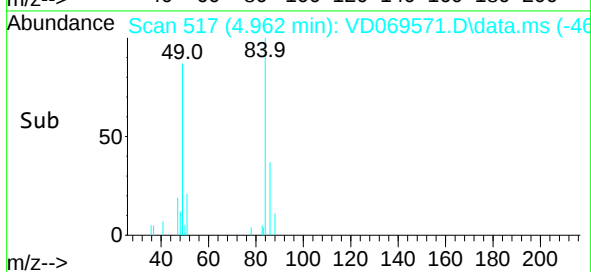
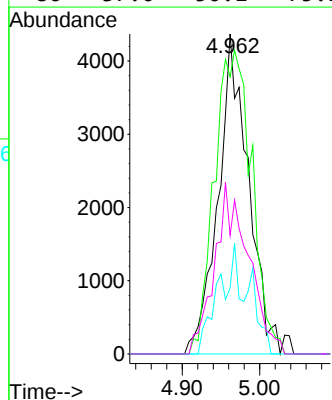
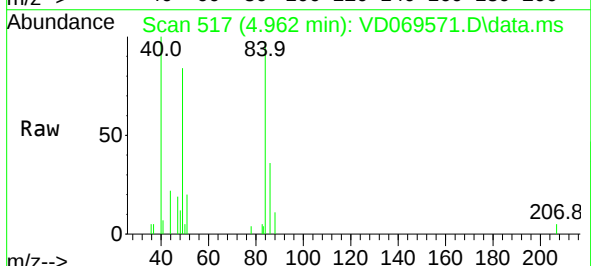
Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

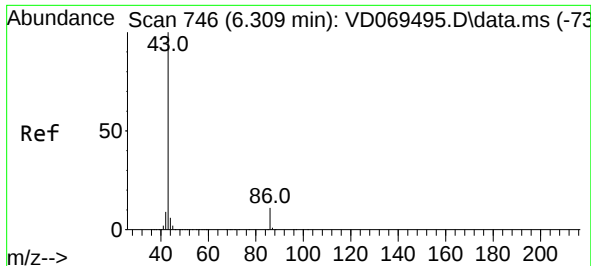
Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion: 84 Resp: 11820
Ion Ratio Lower Upper
84 100
49 86.6 94.0 141.0#
51 20.7 29.7 44.5#
86 37.0 50.1 75.1#

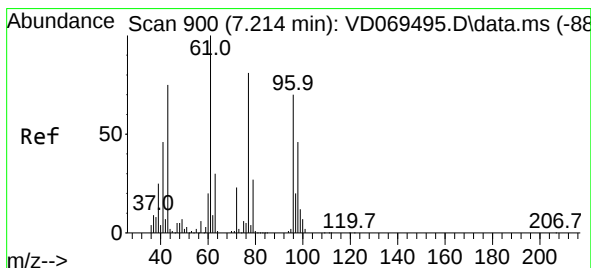
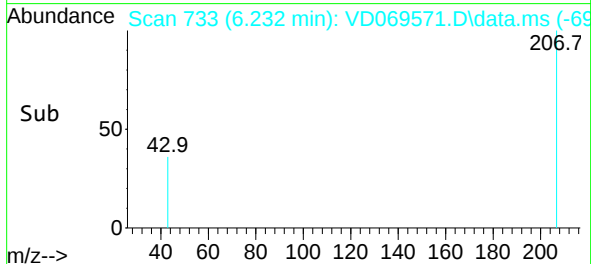
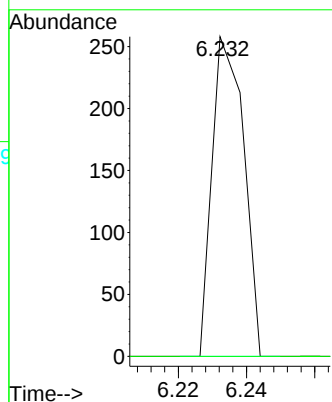
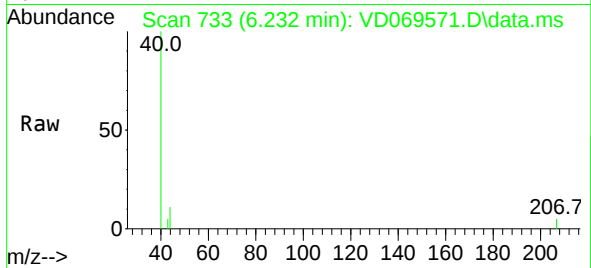




#23
 Vinyl Acetate
 Concen: 19.060 ug/l
 RT: 6.232 min Scan# 733
 Delta R.T. -0.077 min
 Lab File: VD069571.D
 Acq: 25 Jun 2021 17:43

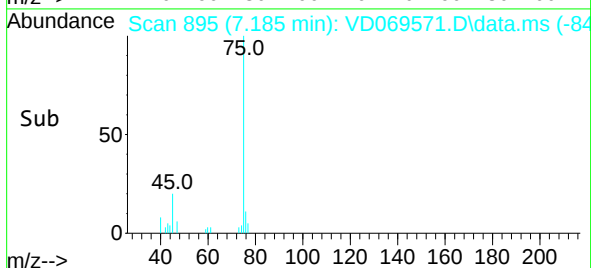
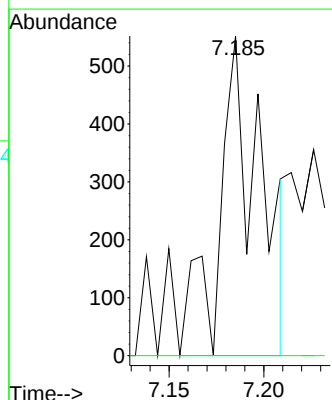
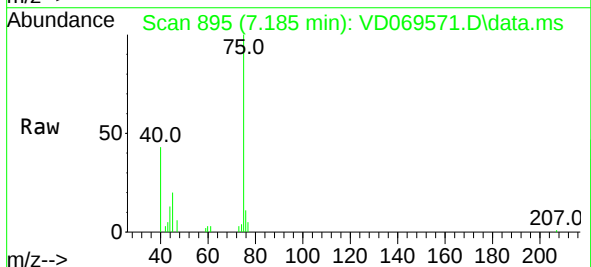
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11-9.5-10.0

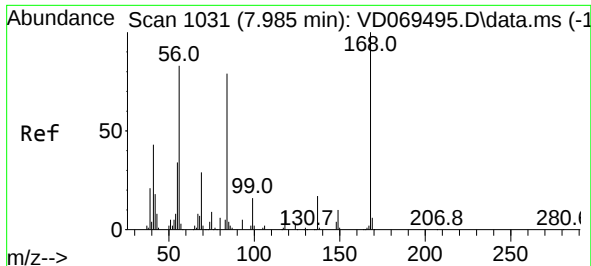
Tgt Ion: 43 Resp: 166
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 1.787 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.029 min
 Lab File: VD069571.D
 Acq: 25 Jun 2021 17:43

Tgt Ion: 43 Resp: 835
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#

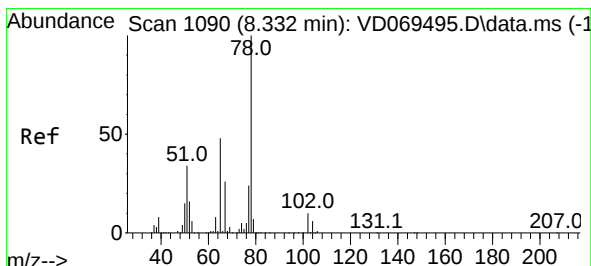
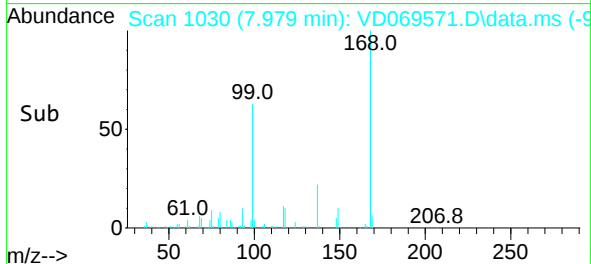
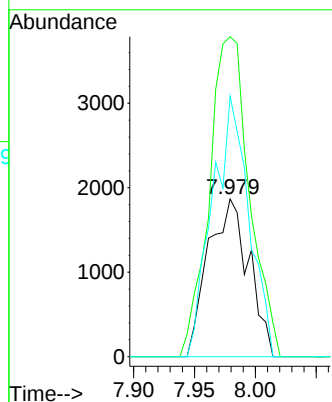
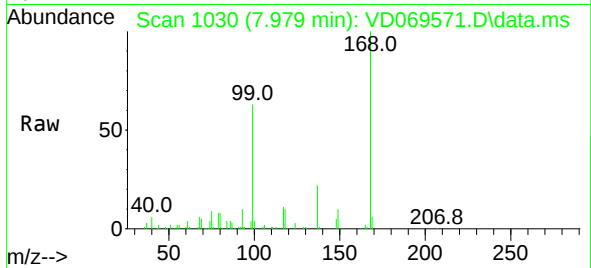




#31
Cyclohexane
Concen: 1.472 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

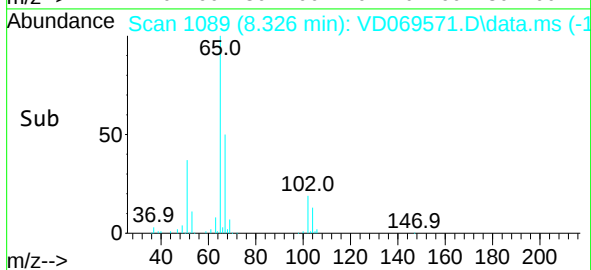
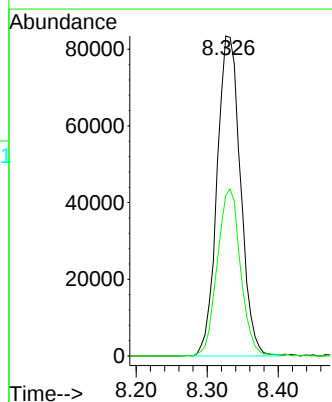
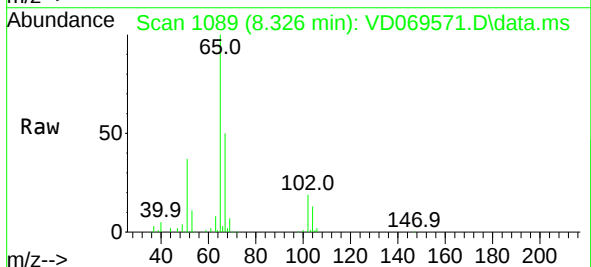
Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

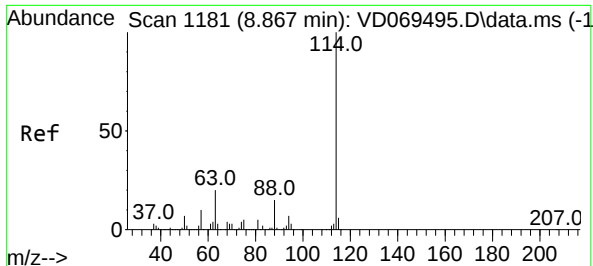
Tgt Ion: 56 Resp: 4330
Ion Ratio Lower Upper
56 100
69 202.9 28.0 42.0#
84 165.3 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 87.321 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion: 65 Resp: 190743
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.6



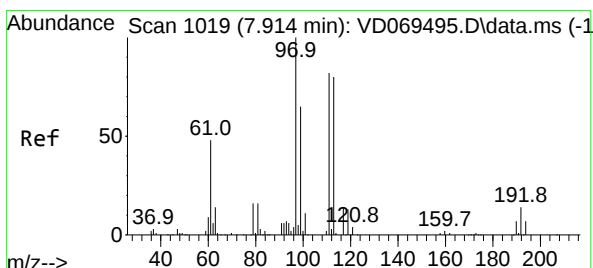
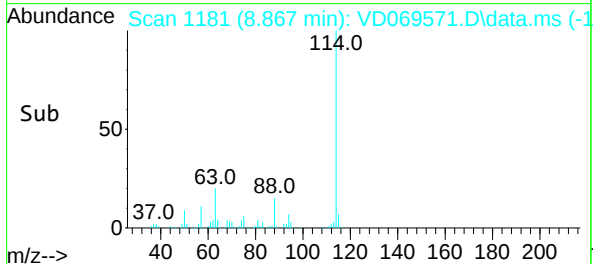
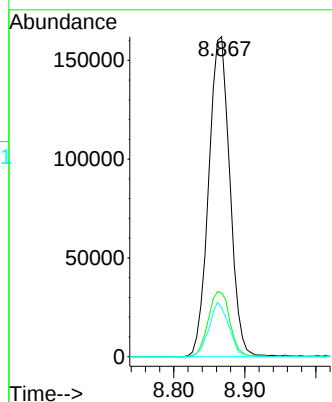
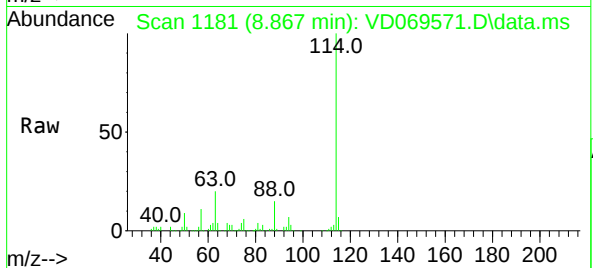


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

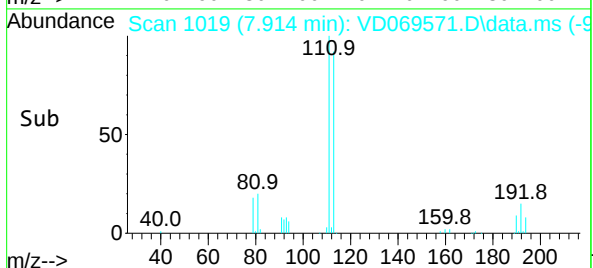
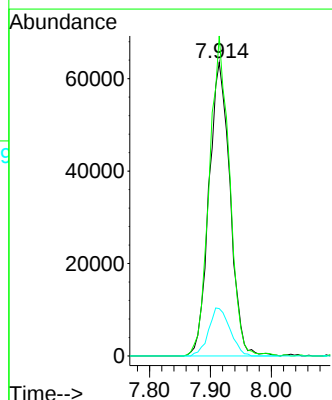
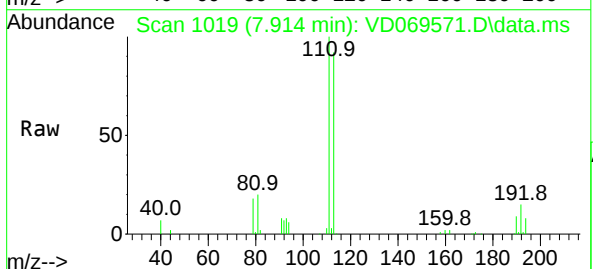
Tgt Ion:114 Resp: 334764
Ion Ratio Lower Upper
114 100
63 19.9 0.0 39.6
88 15.2 0.0 29.8

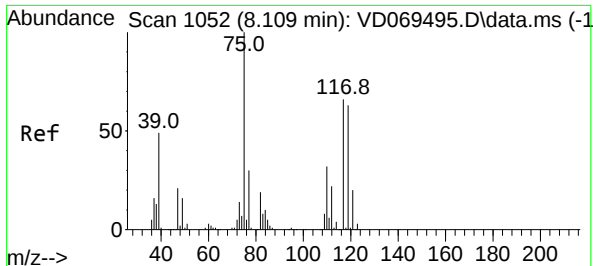


#35

Dibromofluoromethane
Concen: 67.313 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion:113 Resp: 152325
Ion Ratio Lower Upper
113 100
111 104.7 81.8 122.8
192 16.6 13.8 20.6

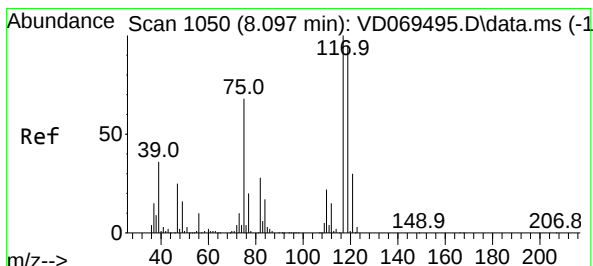
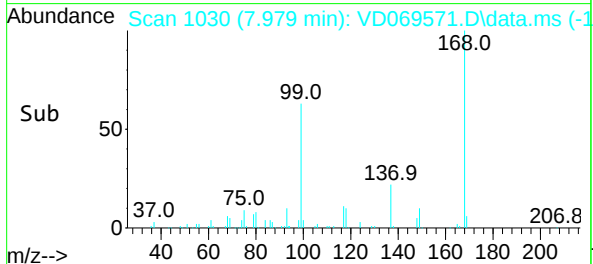
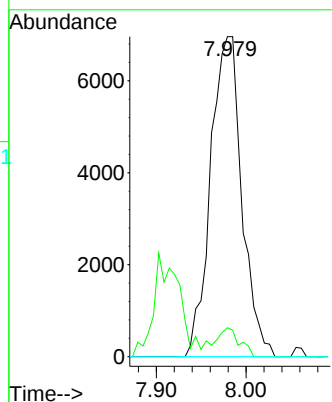
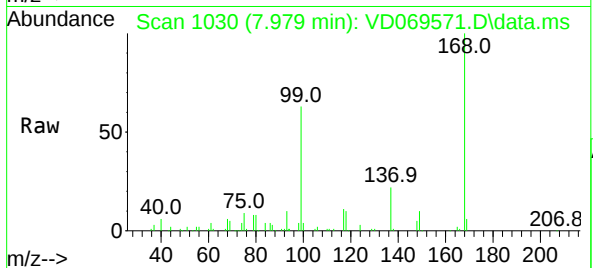




#36
1,1-Dichloropropene
Concen: 5.125 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

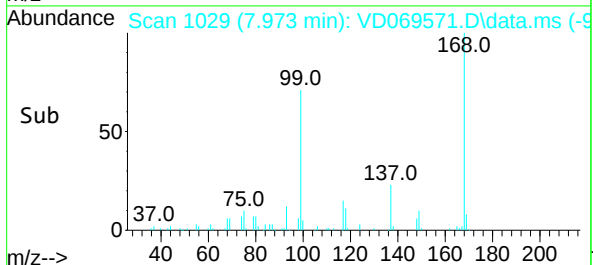
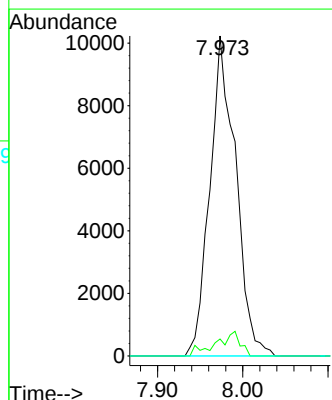
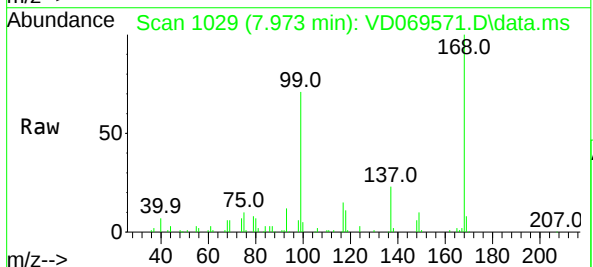
Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

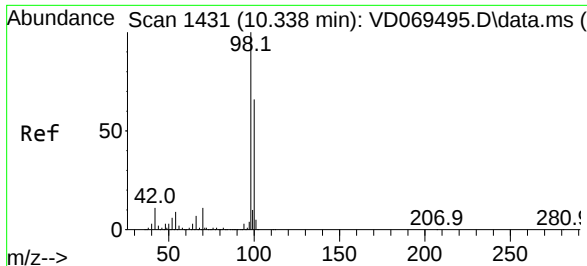
Tgt Ion: 75 Resp: 16838
Ion Ratio Lower Upper
75 100
110 6.1 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.645 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion: 117 Resp: 21607
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 23.8 35.8#

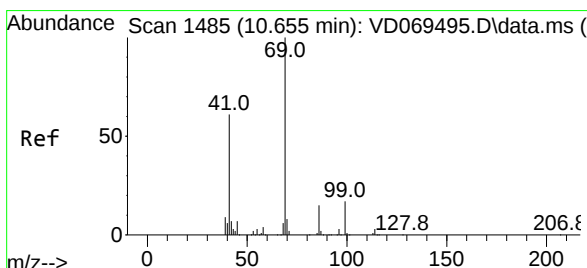
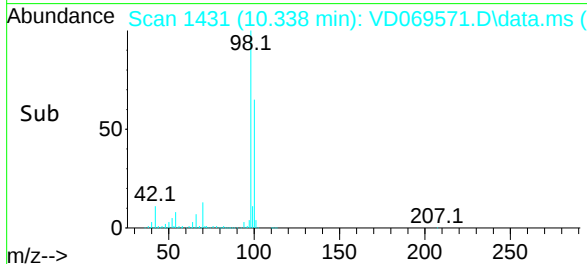
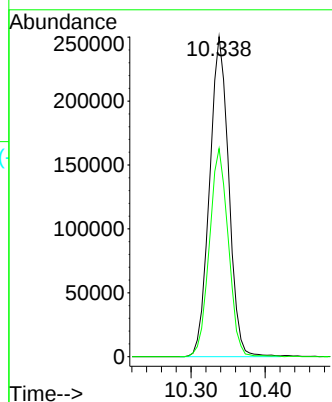
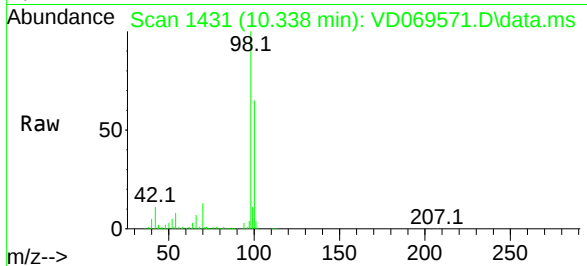




#50
Toluene-d8
Concen: 53.063 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

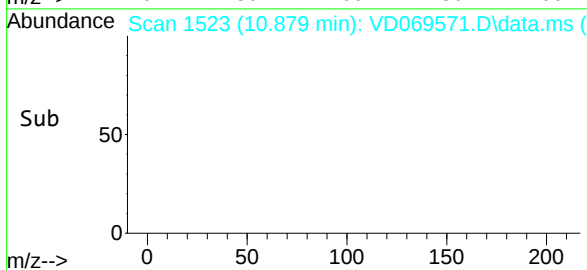
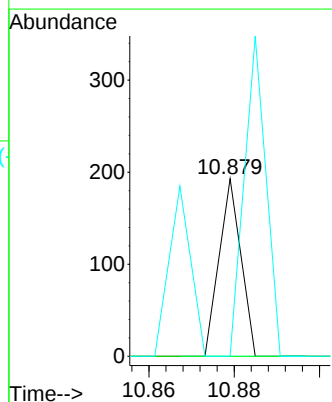
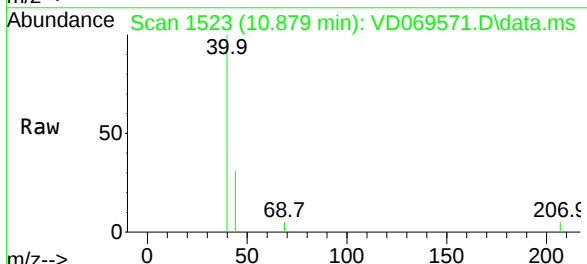
Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

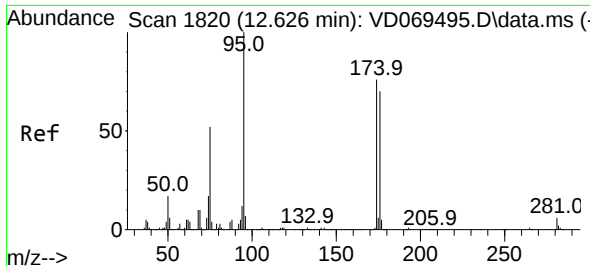
Tgt Ion: 98 Resp: 450408
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.612 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. 0.224 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion: 69 Resp: 68
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 180.9 26.9 40.3#

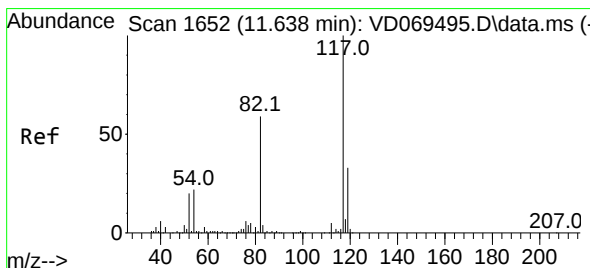
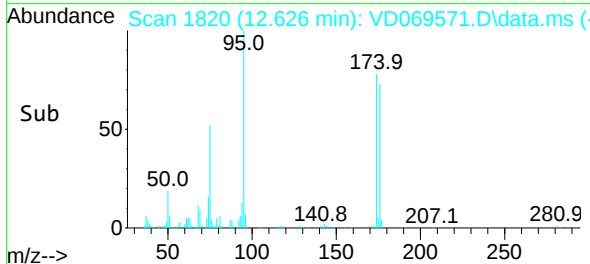
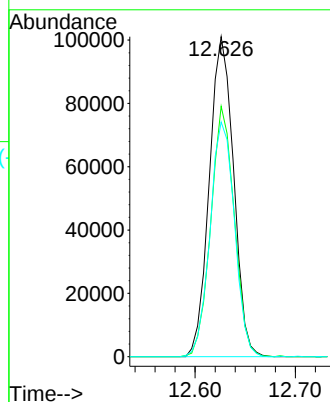
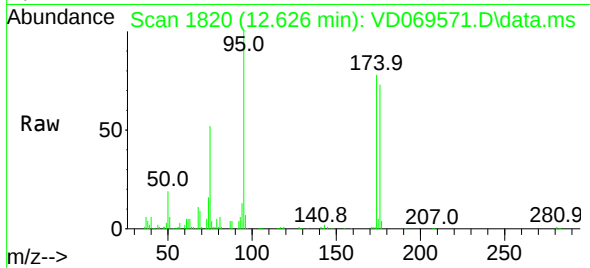




#62
4-Bromofluorobenzene
Concen: 60.929 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

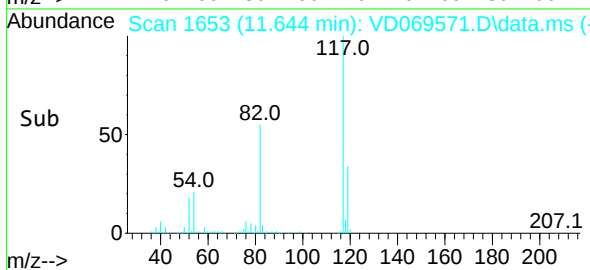
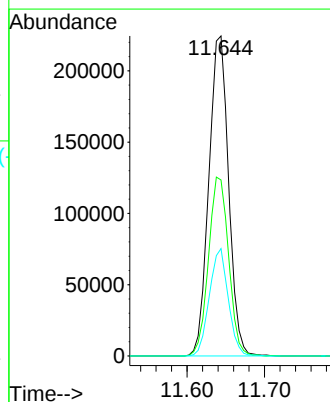
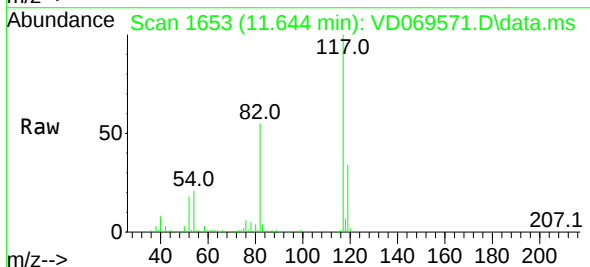
Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

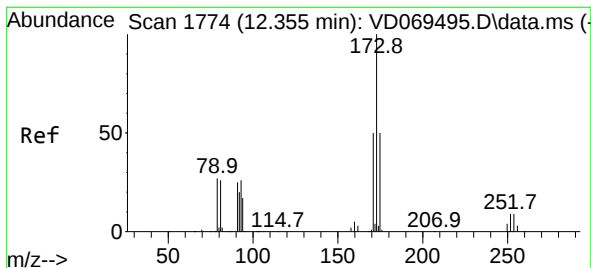
Tgt Ion: 95 Resp: 170024
Ion Ratio Lower Upper
95 100
174 75.7 0.0 148.0
176 73.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion: 117 Resp: 398516
Ion Ratio Lower Upper
117 100
82 55.0 46.8 70.2
119 33.6 26.2 39.2





#71

Bromoform

Concen: 1.226 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.271 min

Lab File: VD069571.D

Acq: 25 Jun 2021 17:43

Tgt Ion:173 Resp: 1790

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

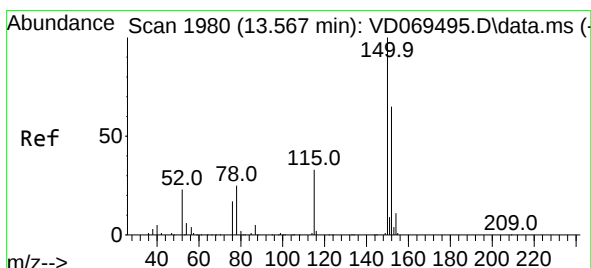
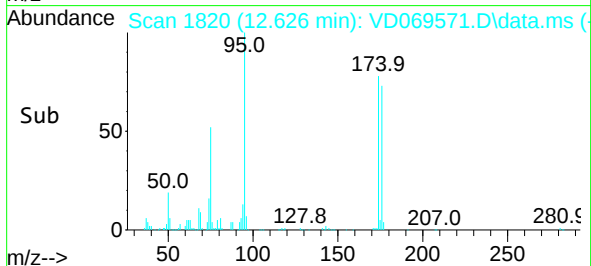
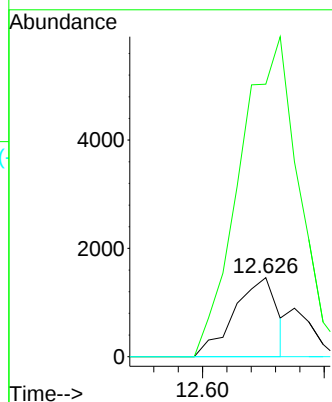
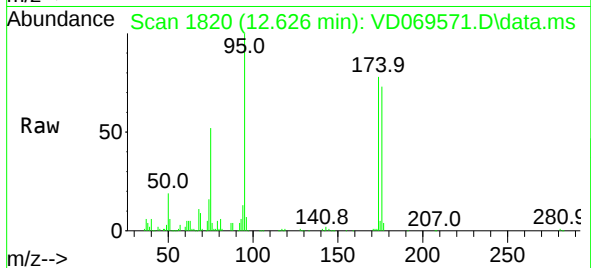
254 0.0 0.1 0.1#

Instrument :

MSVOA_D

ClientSampleId :

SB-11-9.5-10.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.000 min

Lab File: VD069571.D

Acq: 25 Jun 2021 17:43

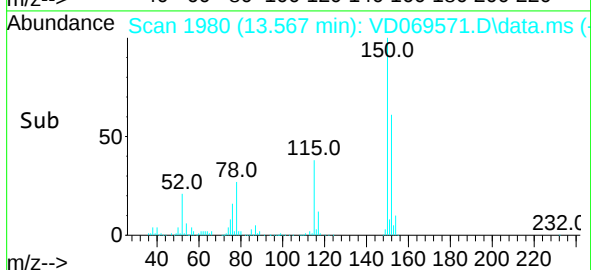
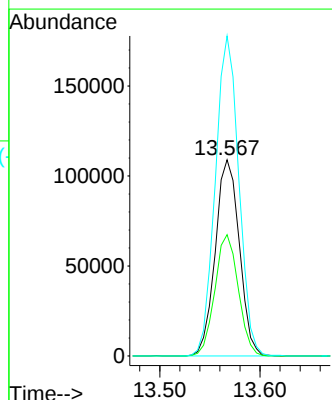
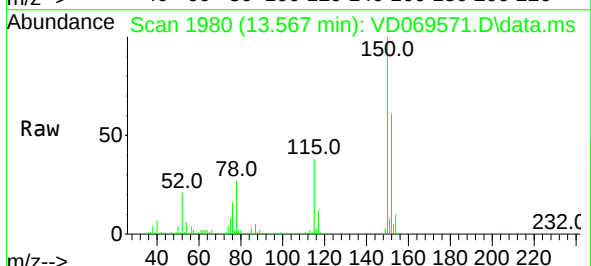
Tgt Ion:152 Resp: 181240

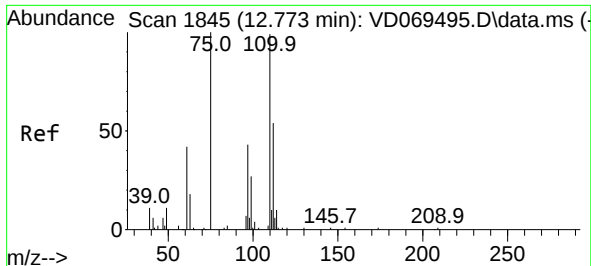
Ion Ratio Lower Upper

152 100

115 60.2 31.7 95.1

150 159.6 0.0 350.8

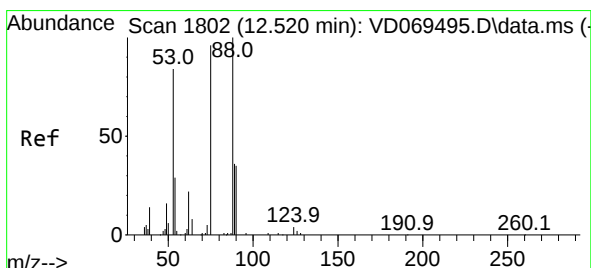
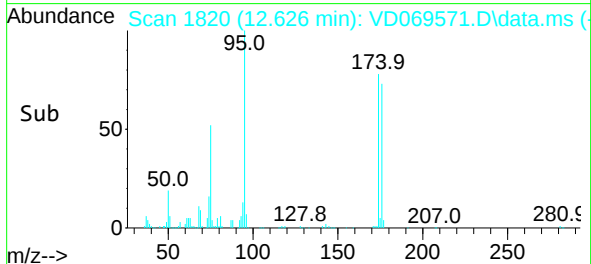
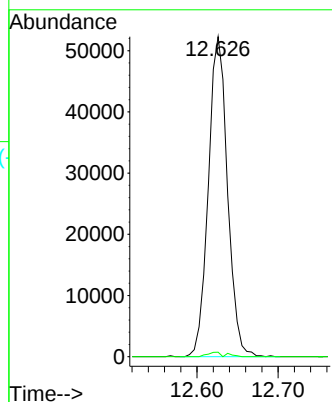
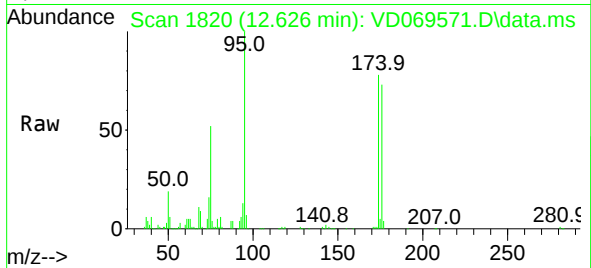




#76
1,2,3-Trichloropropane
Concen: 48.144 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

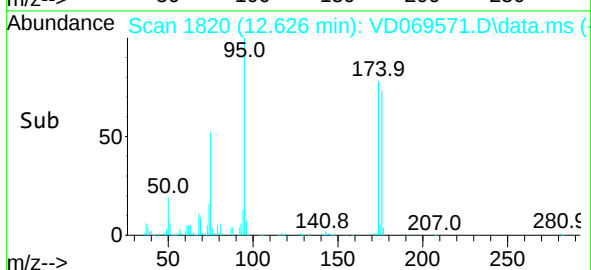
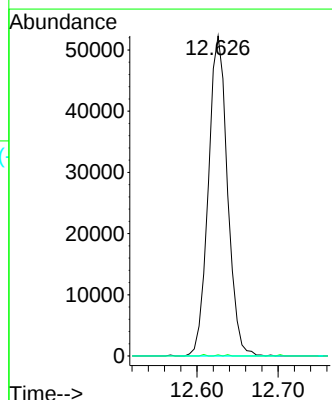
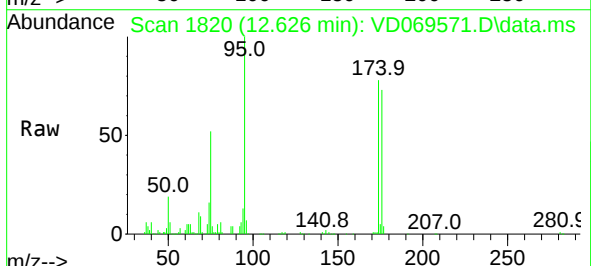
Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

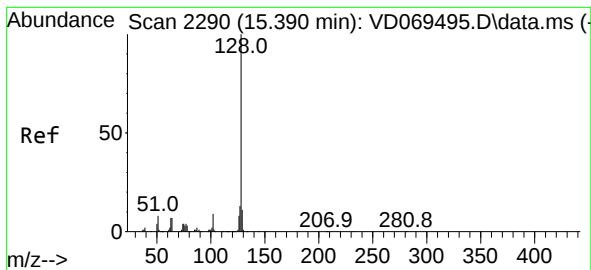
Tgt Ion: 75 Resp: 85654
Ion Ratio Lower Upper
75 100
77 0.9 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.210 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Tgt Ion: 75 Resp: 85654
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 3.367 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069571.D
Acq: 25 Jun 2021 17:43

Instrument :
MSVOA_D
ClientSampleId :
SB-11-9.5-10.0

Tgt Ion:128 Resp: 79
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

