

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069596.D
 Acq On : 06 Jul 2021 21:55
 Operator : VA/SY
 Sample : M2946-03
 Misc : 5.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

Quant Time: Jul 07 04:56:41 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)

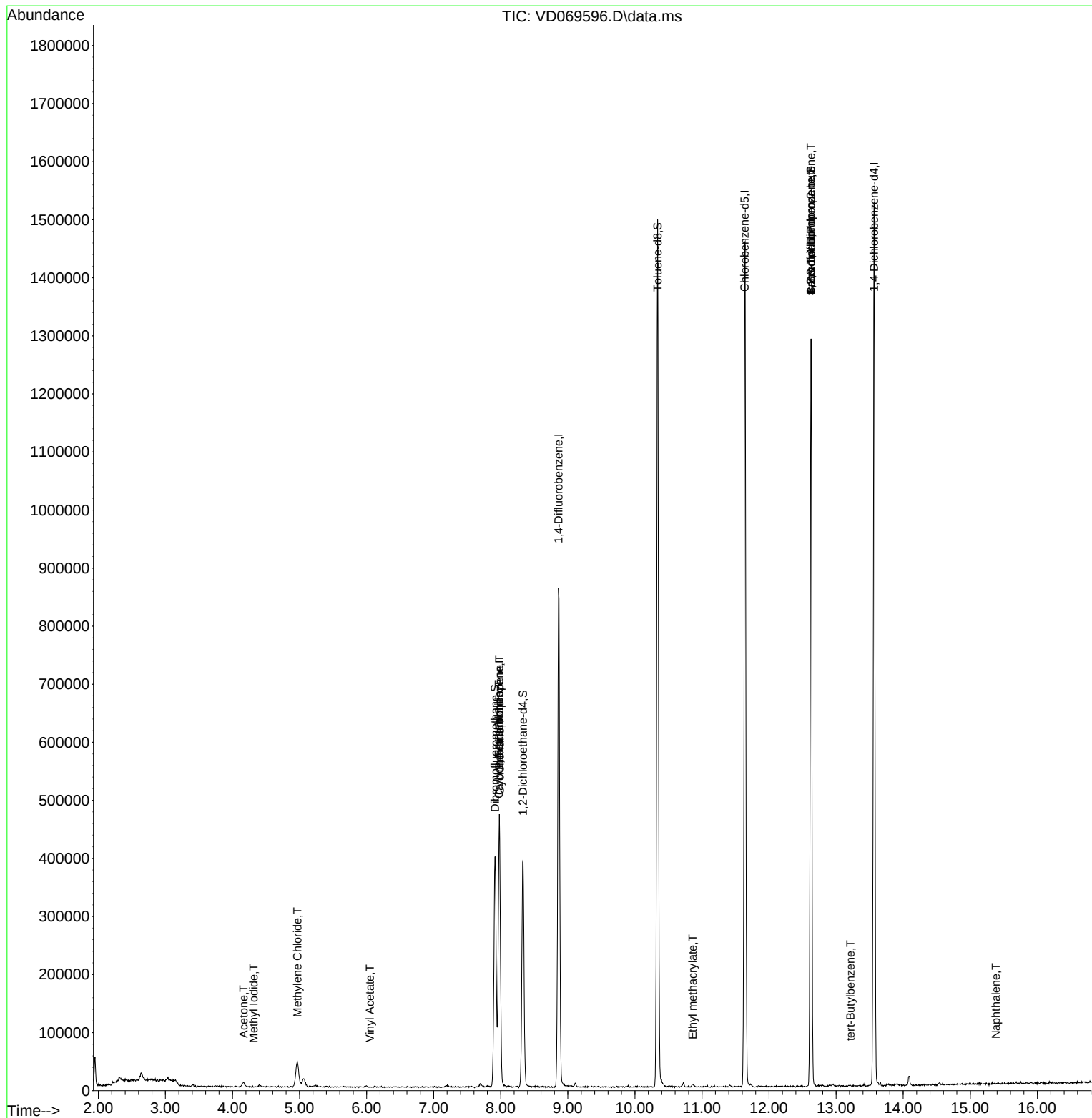
Internal Standards						
1) Pentafluorobenzene	7.979	168	316998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	724613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	861242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	385486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	318576	80.625	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 161.260%			
35) Dibromofluoromethane	7.914	113	293601	59.940	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.880%			
50) Toluene-d8	10.338	98	1010796	55.015	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.040%			
62) 4-Bromofluorobenzene	12.626	95	386305	63.955	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 127.920%			
Target Compounds						
5) Bromomethane	2.785	94	1357	Below Cal	#	50
10) Methyl Iodide	4.314	142	258	4.012	ug/l #	87
11) Tert butyl alcohol	5.203	59	324	Below Cal	#	83
16) Acetone	4.167	43	13278	19.965	ug/l	93
18) Methyl Acetate	4.744	43	106	Below Cal	#	49
20) Methylene Chloride	4.967	84	35981	2.430	ug/l	91
23) Vinyl Acetate	6.050	43	143	19.034	ug/l #	70
31) Cyclohexane	7.985	56	7490	1.408	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	30989	4.357	ug/l #	50
38) Carbon Tetrachloride	7.973	117	34707	4.931	ug/l #	17
56) Ethyl methacrylate	10.861	69	80	2.598	ug/l #	1
71) Bromoform	12.626	173	3189	1.010	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	196227	51.856	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	196227	129.479	ug/l #	13
83) tert-Butylbenzene	13.214	119	81	1.996	ug/l #	27
95) Naphthalene	15.385	128	563	3.398	ug/l #	69

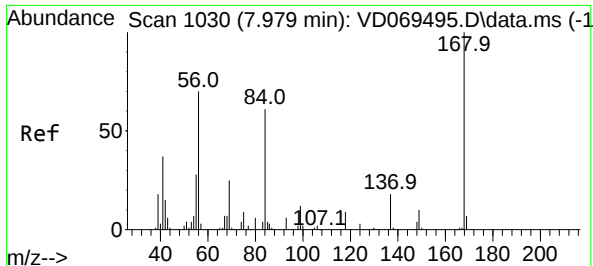
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
Data File : VD069596.D
Acq On : 06 Jul 2021 21:55
Operator : VA/SY
Sample : M2946-03
Misc : 5.81G/5.00ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-3

Quant Time: Jul 07 04:56:41 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

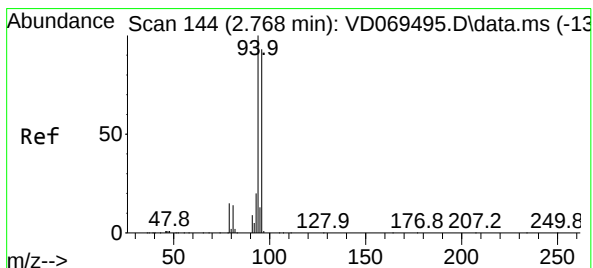
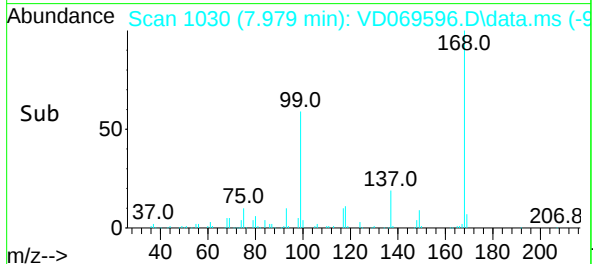
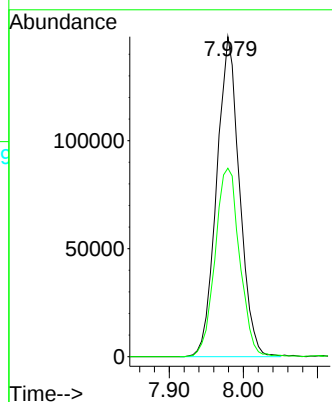
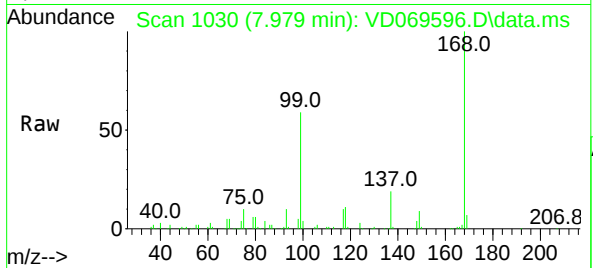




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

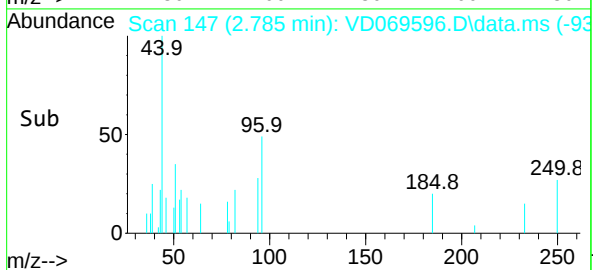
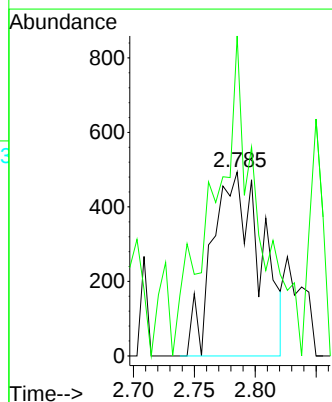
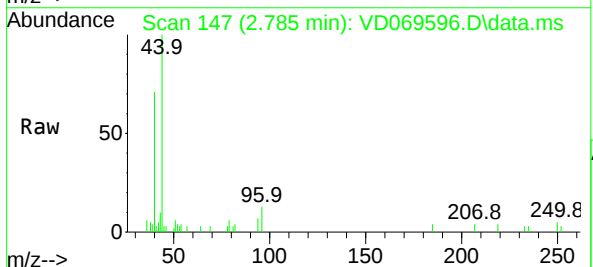
Instrument :
MSVOA_D
ClientSampled :
SB-3

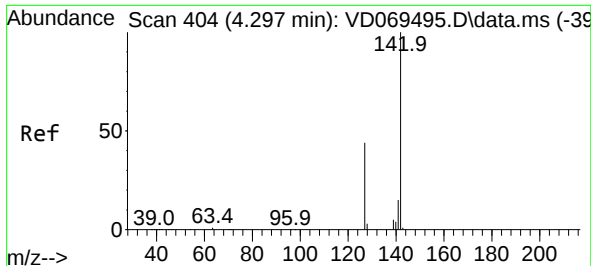
Tgt Ion:168 Resp: 316998
Ion Ratio Lower Upper
168 100
99 58.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

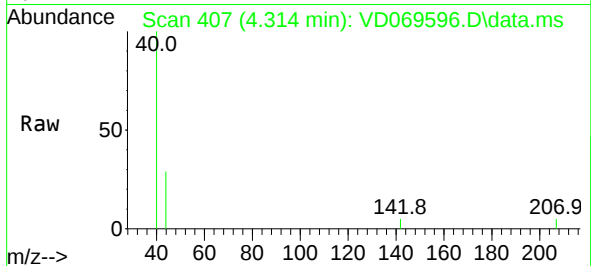
Tgt Ion: 94 Resp: 1357
Ion Ratio Lower Upper
94 100
96 141.1 74.6 111.8#



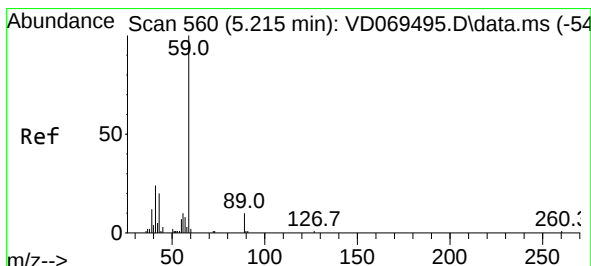
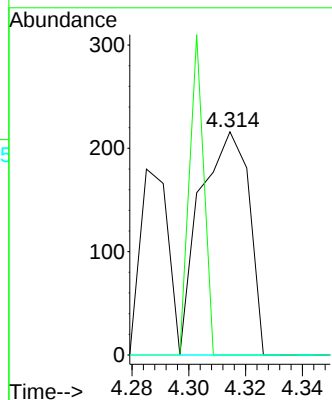
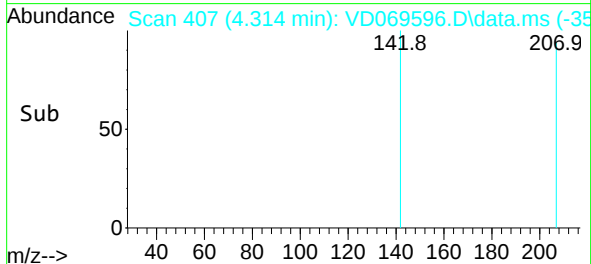


#10
Methyl Iodide
Concen: 4.012 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

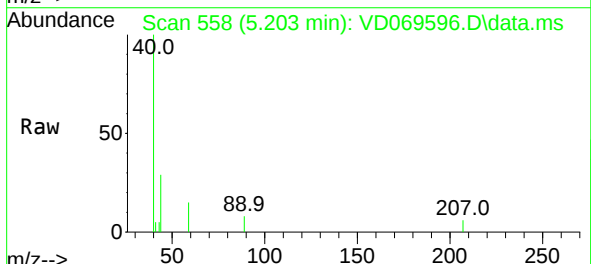
Instrument :
MSVOA_D
ClientSampled :
SB-3



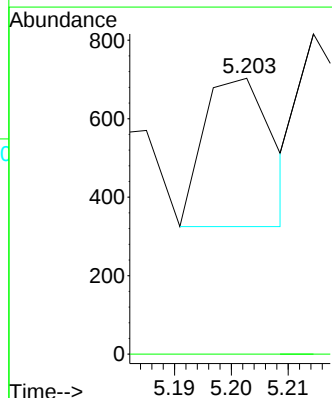
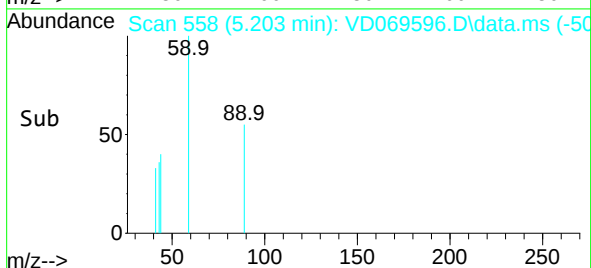
Tgt Ion:142 Resp: 258
Ion Ratio Lower Upper
142 100
127 42.2 36.5 54.7
141 0.0 12.0 18.0#

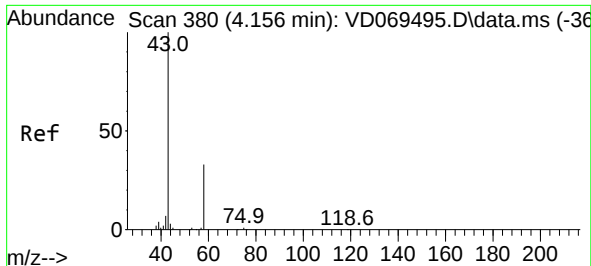


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55



Tgt Ion: 59 Resp: 324
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

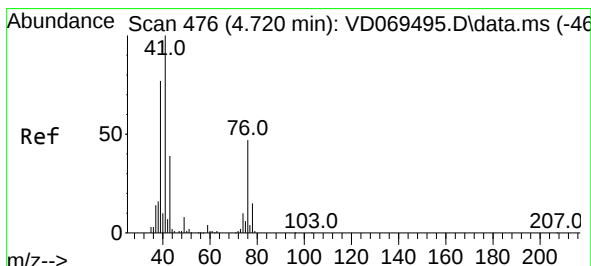
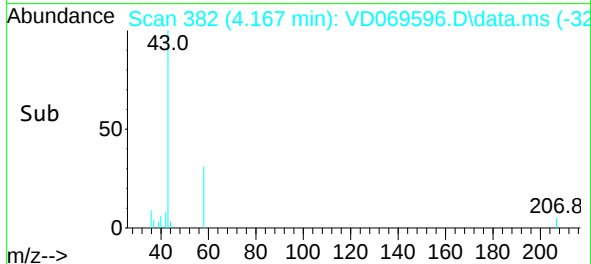
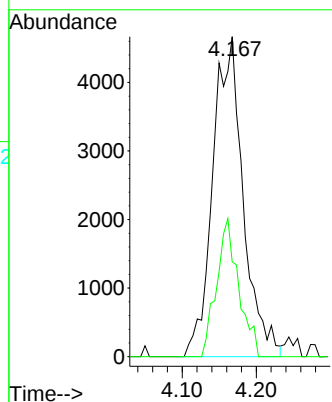
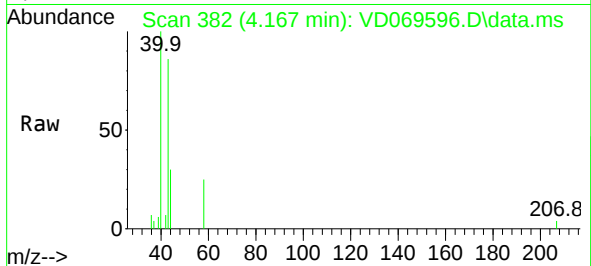




#16
Acetone
Concen: 19.965 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

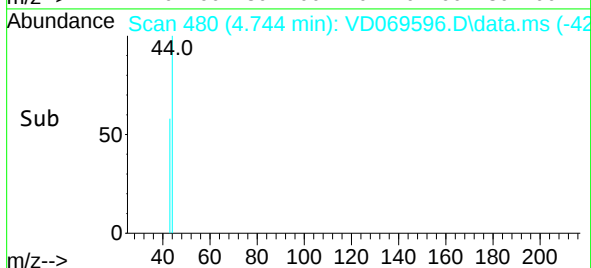
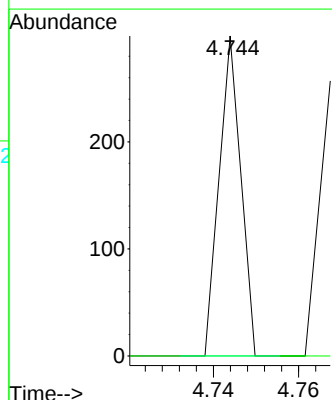
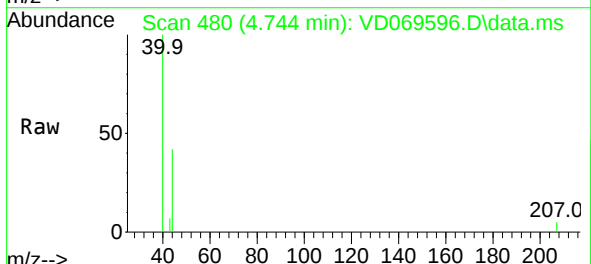
Instrument :
MSVOA_D
ClientSampled :
SB-3

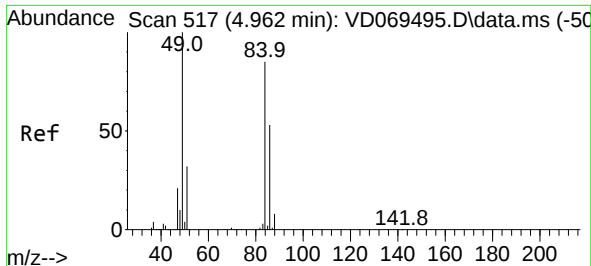
Tgt Ion: 43 Resp: 13278
Ion Ratio Lower Upper
43 100
58 29.7 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.744 min Scan# 480
Delta R.T. 0.024 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

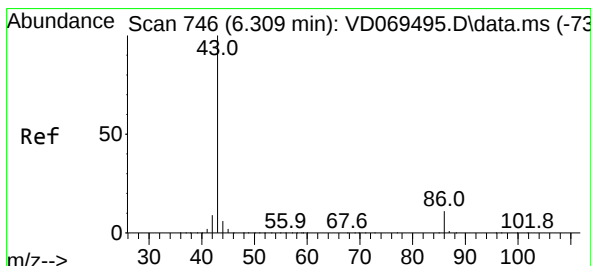
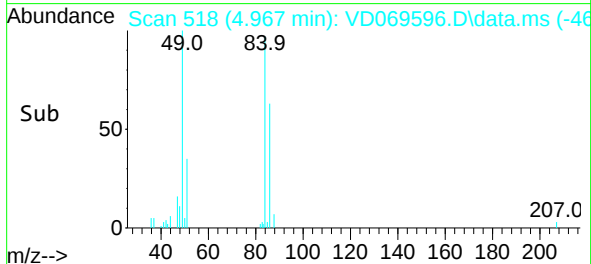
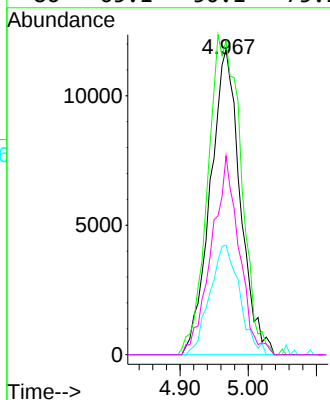
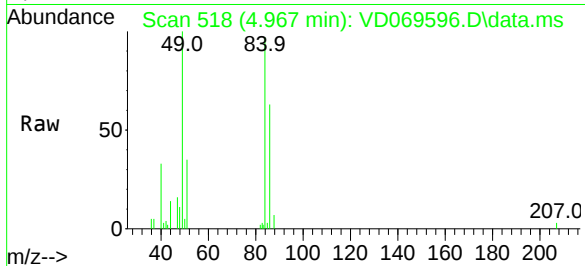




#20
Methylene Chloride
Concen: 2.430 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

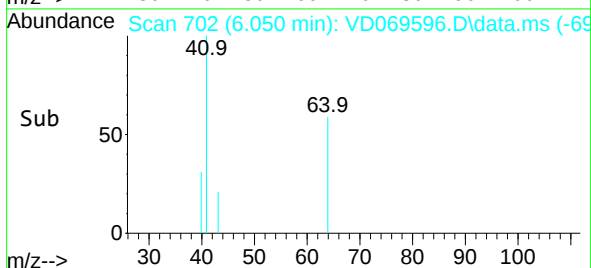
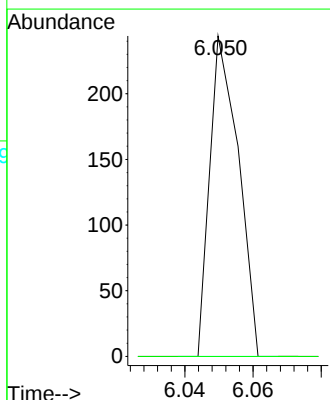
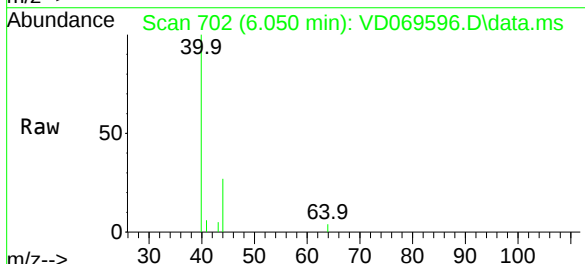
Instrument :
MSVOA_D
ClientSampled :
SB-3

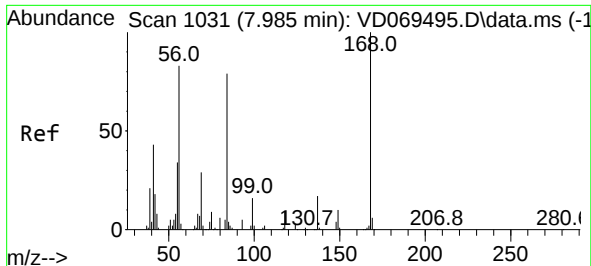
Tgt Ion:	84	Resp:	35981
Ion	Ratio	Lower	Upper
84	100		
49	102.9	94.0	141.0
51	35.9	29.7	44.5
86	65.1	50.1	75.1



#23
Vinyl Acetate
Concen: 19.034 ug/l
RT: 6.050 min Scan# 702
Delta R.T. -0.259 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Tgt Ion:	43	Resp:	143
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

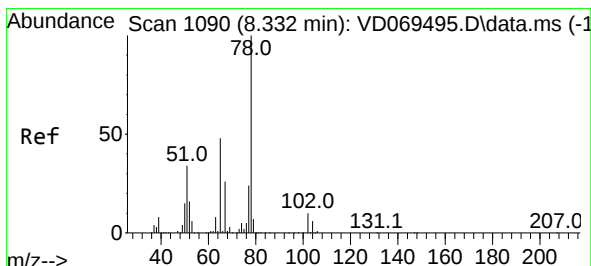
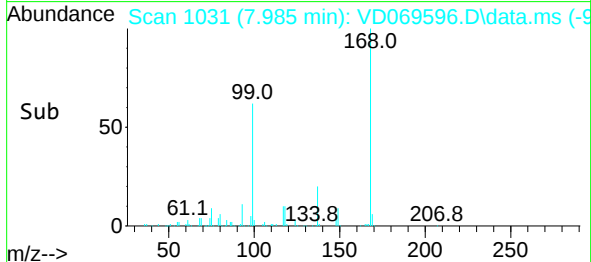
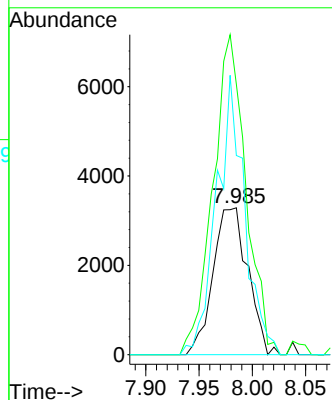
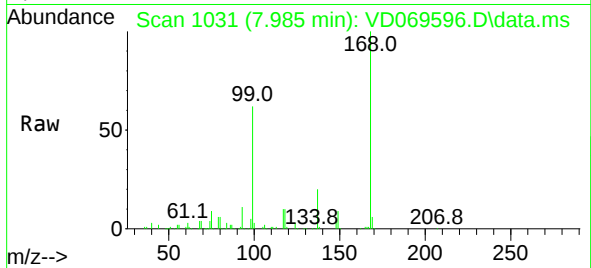




#31
Cyclohexane
Concen: 1.408 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

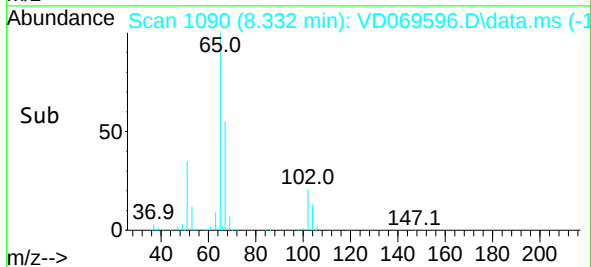
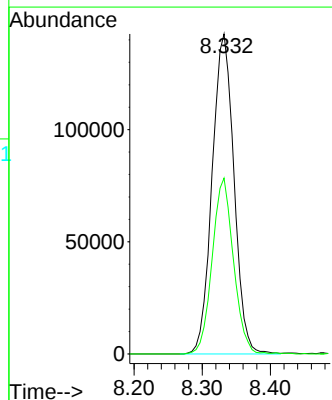
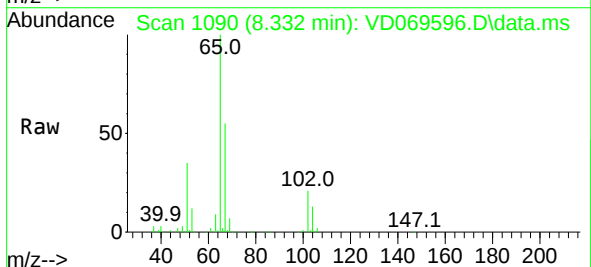
Instrument :
MSVOA_D
ClientSampled :
SB-3

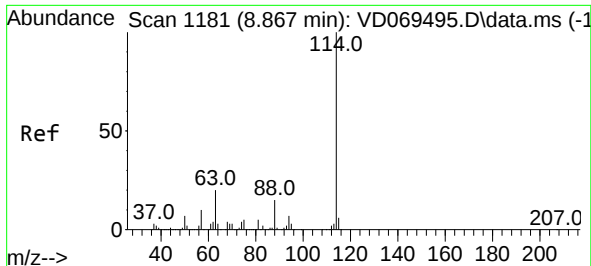
Tgt Ion: 56 Resp: 7490
Ion Ratio Lower Upper
56 100
69 184.1 28.0 42.0#
84 135.7 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 80.625 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

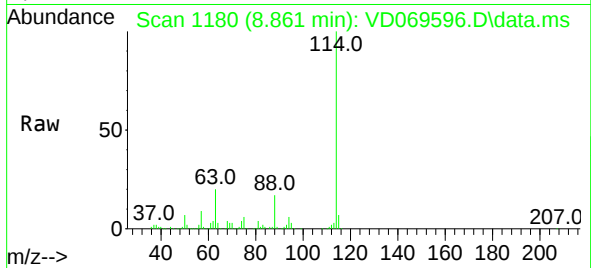
Tgt Ion: 65 Resp: 318576
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6



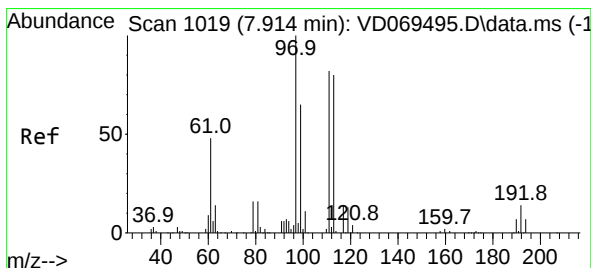
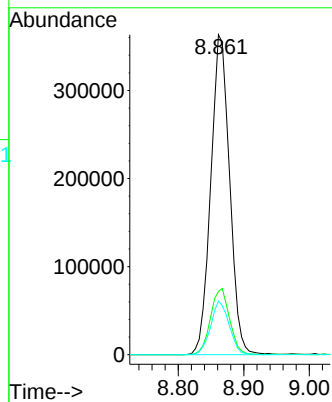
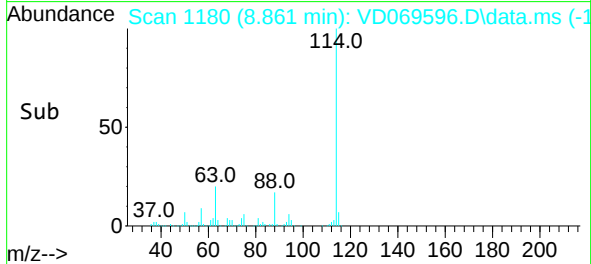


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

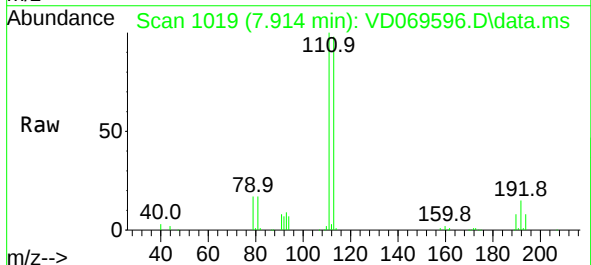
Instrument :
MSVOA_D
ClientSampled :
SB-3



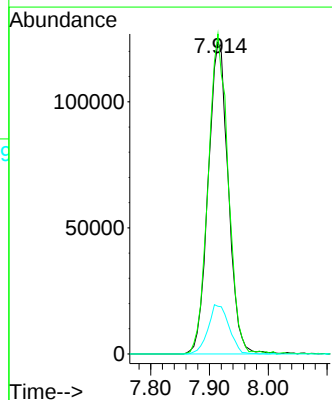
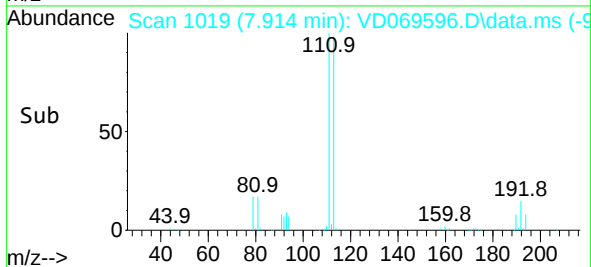
Tgt Ion:114 Resp: 724613
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.6
88 16.8 0.0 29.8

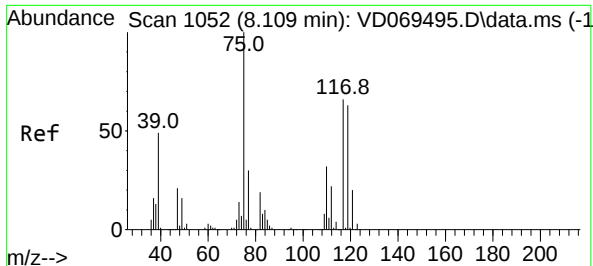


#35
Dibromofluoromethane
Concen: 59.940 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55



Tgt Ion:113 Resp: 293601
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 16.4 13.8 20.6

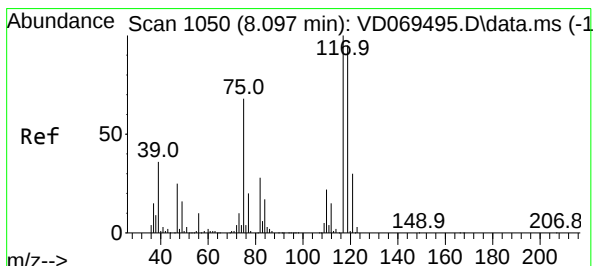
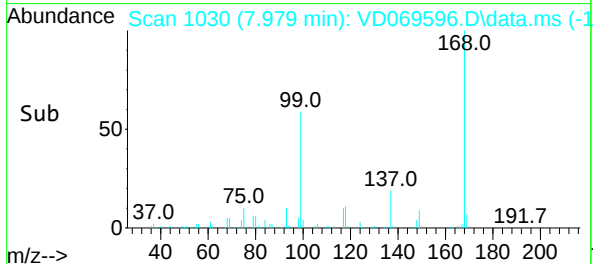
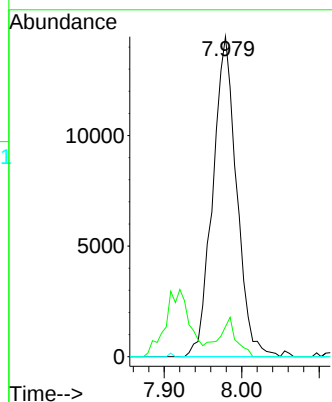
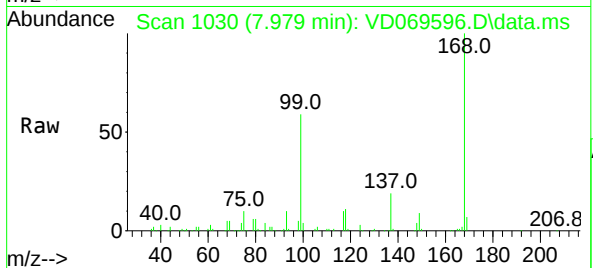




#36
1,1-Dichloropropene
Concen: 4.357 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

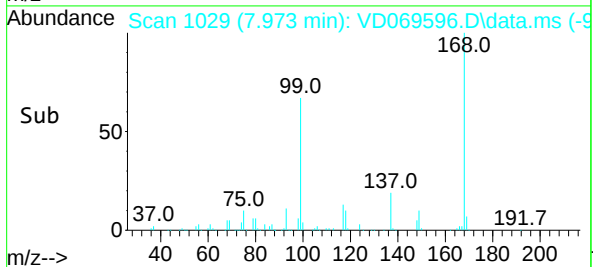
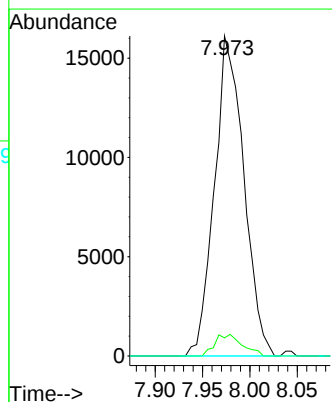
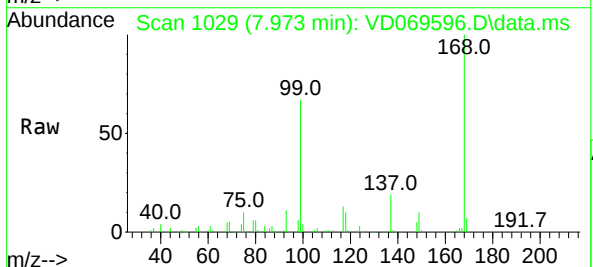
Instrument :
MSVOA_D
ClientSampled :
SB-3

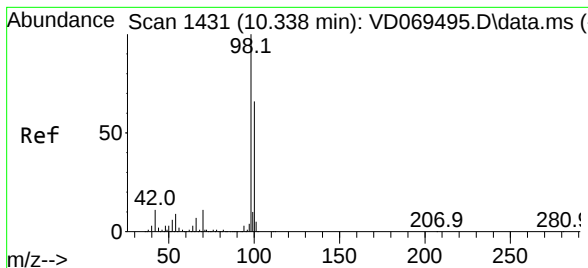
Tgt Ion: 75 Resp: 30989
Ion Ratio Lower Upper
75 100
110 8.6 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.931 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Tgt Ion: 117 Resp: 34707
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 23.8 35.8#

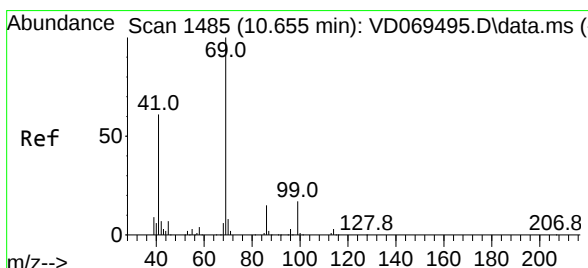
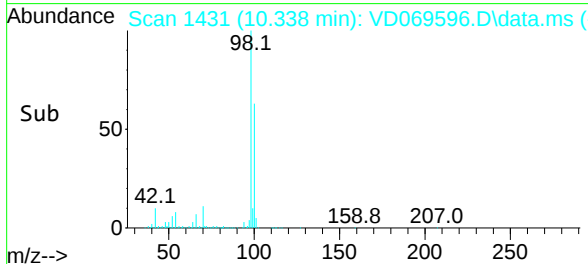
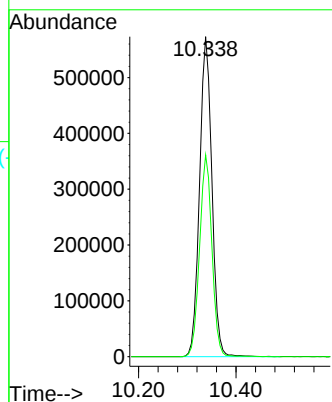
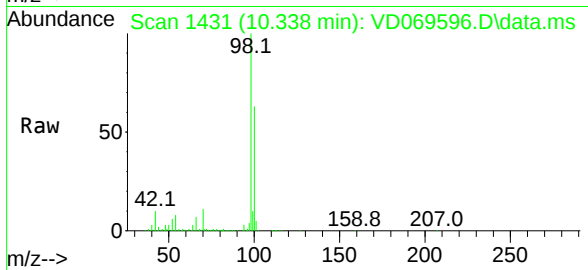




#50
Toluene-d8
Concen: 55.015 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

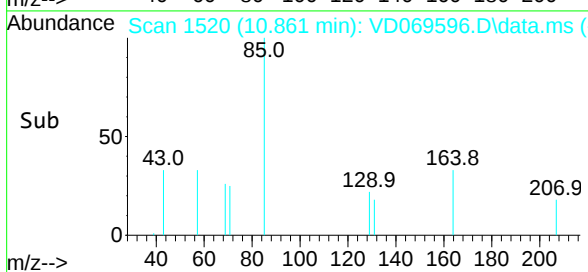
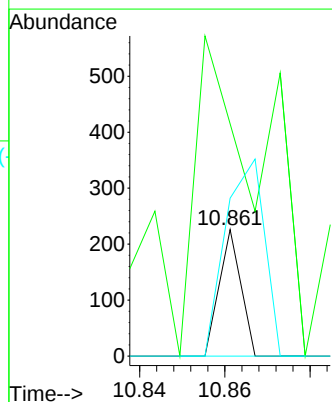
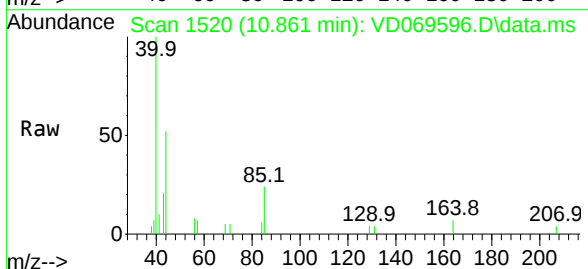
Instrument :
MSVOA_D
ClientSampled :
SB-3

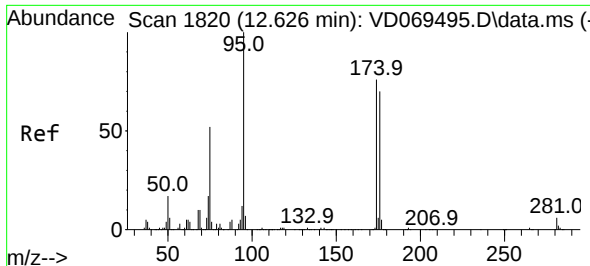
Tgt Ion: 98 Resp: 1010796
Ion Ratio Lower Upper
98 100
100 63.1 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.598 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. 0.206 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Tgt Ion: 69 Resp: 80
Ion Ratio Lower Upper
69 100
41 1060.0 49.4 74.0#
39 280.0 26.9 40.3#

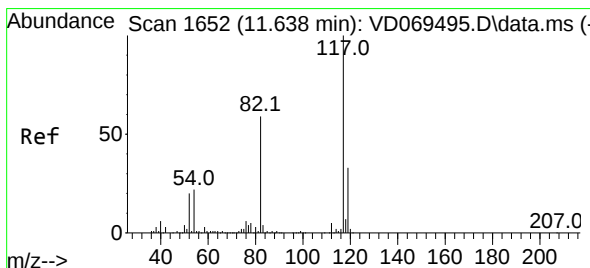
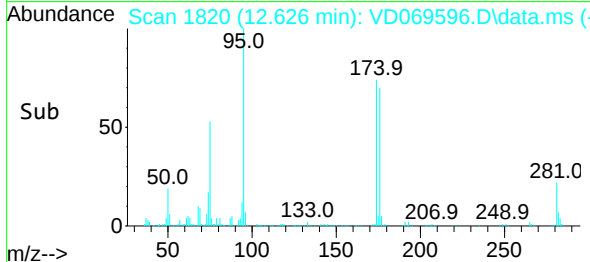
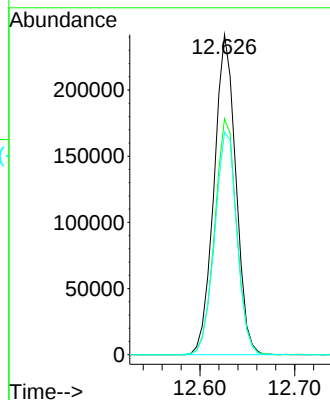
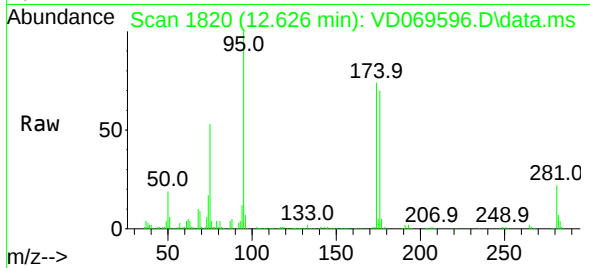




#62
4-Bromofluorobenzene
Concen: 63.955 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

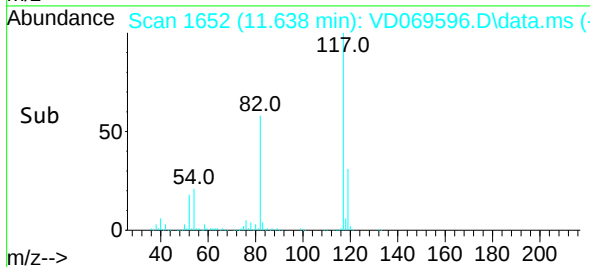
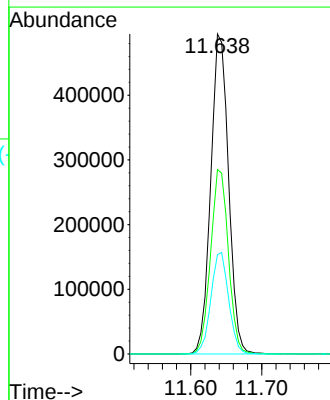
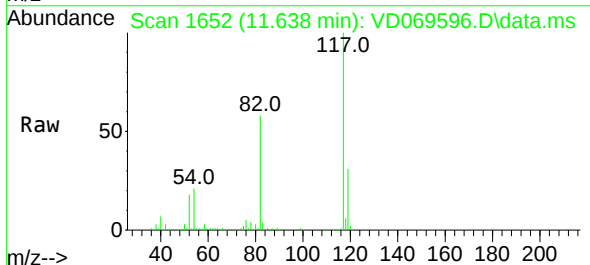
Instrument :
MSVOA_D
ClientSampled :
SB-3

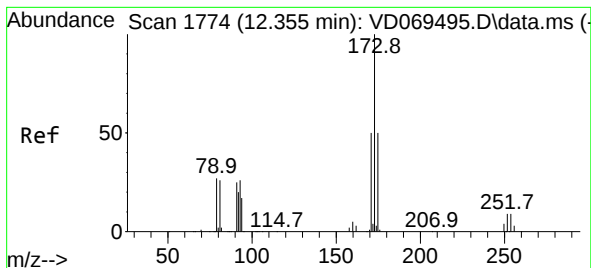
Tgt Ion: 95 Resp: 386305
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.0
176 71.2 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Tgt Ion: 117 Resp: 861242
Ion Ratio Lower Upper
117 100
82 57.7 46.8 70.2
119 31.0 26.2 39.2





#71

Bromoform

Concen: 1.010 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.270 min

Lab File: VD069596.D

Acq: 06 Jul 2021 21:55

Tgt Ion:173 Resp: 3189

Ion Ratio Lower Upper

173 100

175 516.7 24.6 73.8#

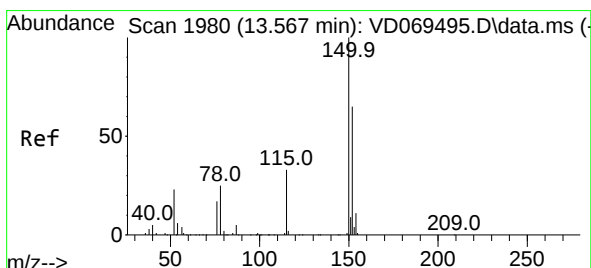
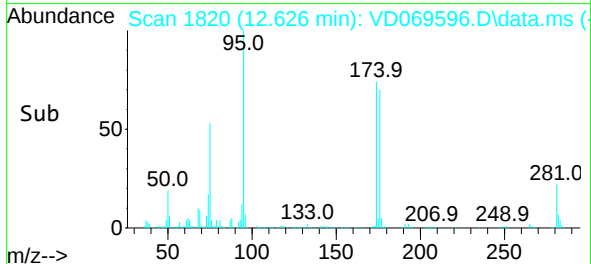
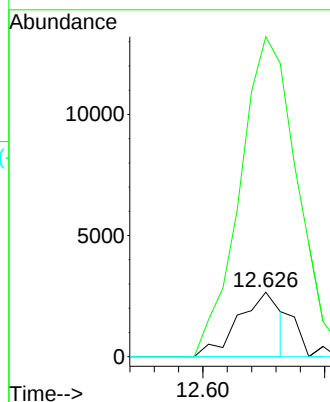
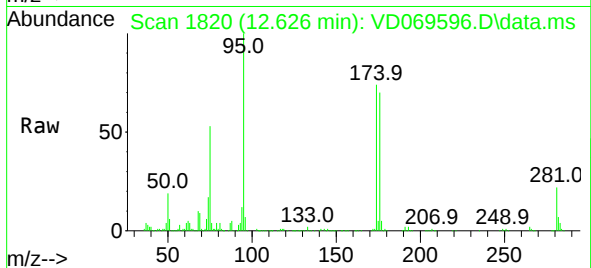
254 0.0 0.1 0.1#

Instrument :

MSVOA_D

ClientSampled :

SB-3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.000 min

Lab File: VD069596.D

Acq: 06 Jul 2021 21:55

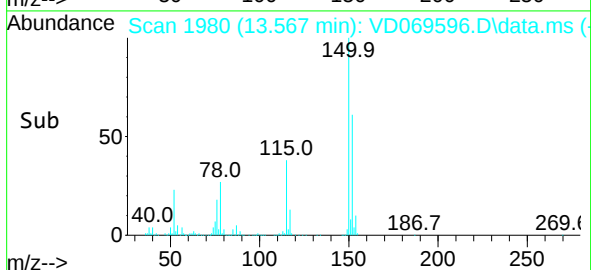
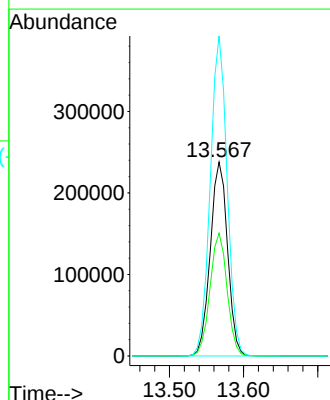
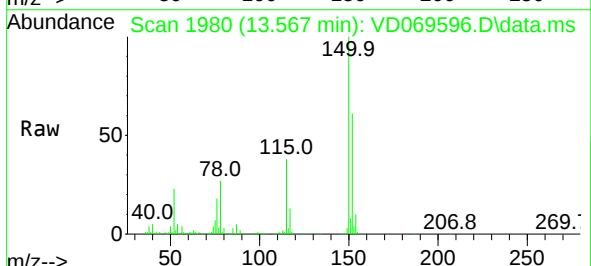
Tgt Ion:152 Resp: 385486

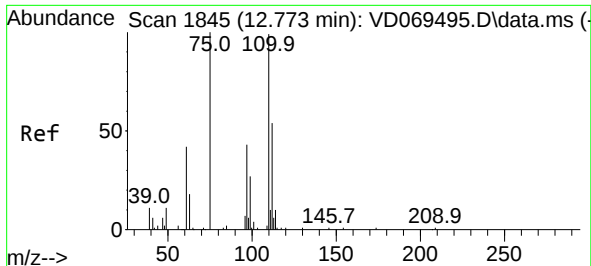
Ion Ratio Lower Upper

152 100

115 62.5 31.7 95.1

150 160.4 0.0 350.8

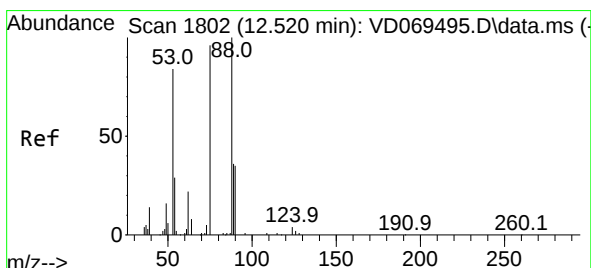
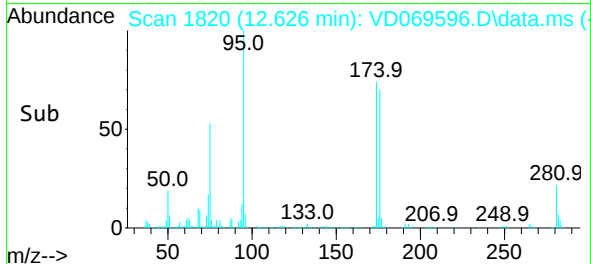
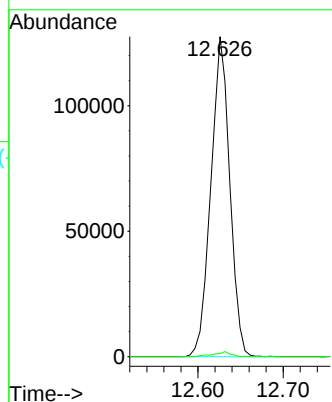
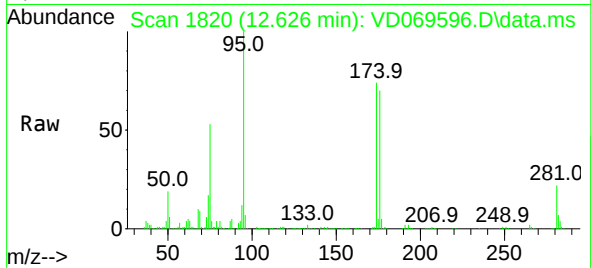




#76
1,2,3-Trichloropropane
Concen: 51.856 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

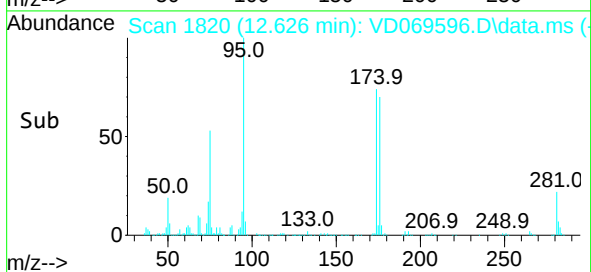
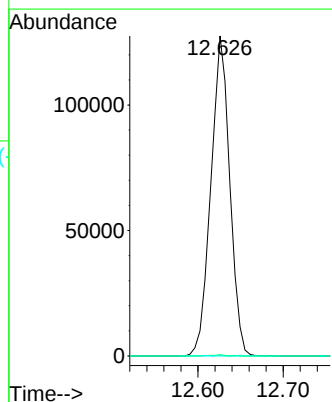
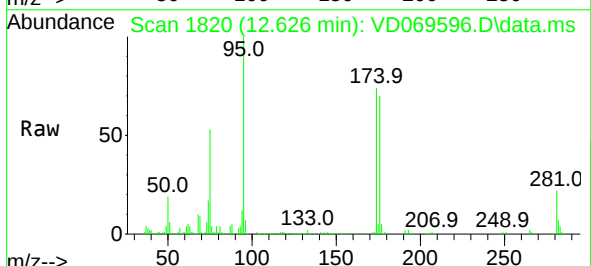
Instrument :
MSVOA_D
ClientSampled :
SB-3

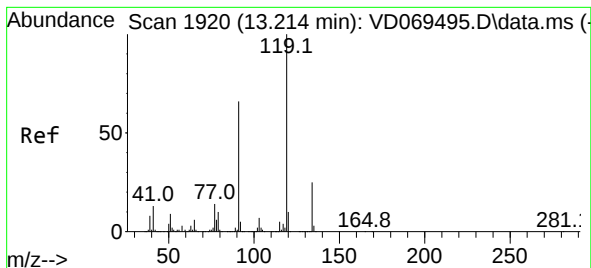
Tgt Ion: 75 Resp: 196227
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.479 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Tgt Ion: 75 Resp: 196227
Ion Ratio Lower Upper
75 100
53 0.3 74.6 112.0#
89 0.2 35.3 52.9#

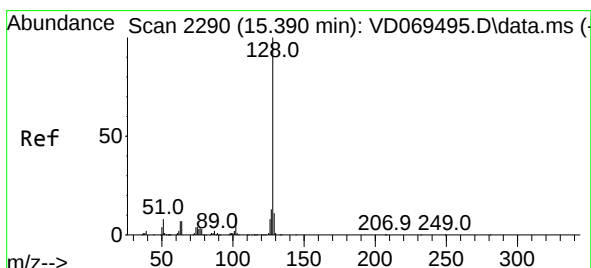
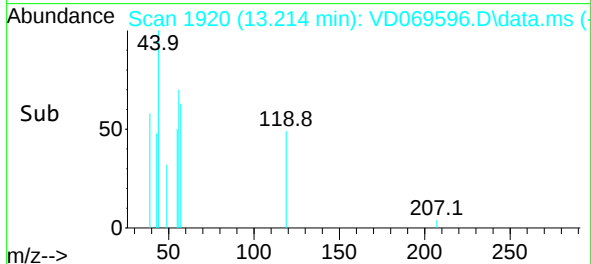
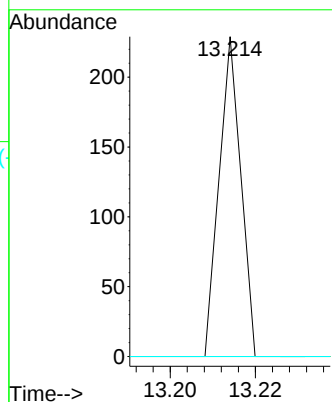
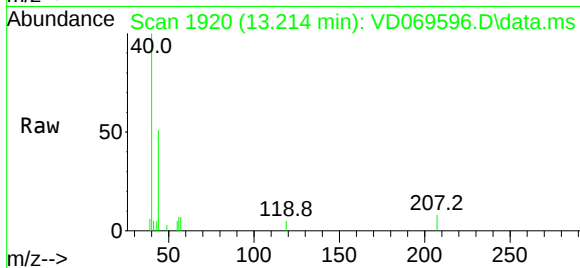




#83
tert-Butylbenzene
Concen: 1.996 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Instrument :
MSVOA_D
ClientSampled :
SB-3

Tgt Ion:119 Resp: 81
Ion Ratio Lower Upper
119 100
91 0.0 32.5 97.4#
134 0.0 12.9 38.7#



#95
Naphthalene
Concen: 3.398 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069596.D
Acq: 06 Jul 2021 21:55

Tgt Ion:128 Resp: 563
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

