

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062521\
 Data File : VD069576.D
 Acq On : 25 Jun 2021 20:04
 Operator : VA/SY
 Sample : M2857-11
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16-9.5-10.0

Quant Time: Jun 26 03:42:15 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)

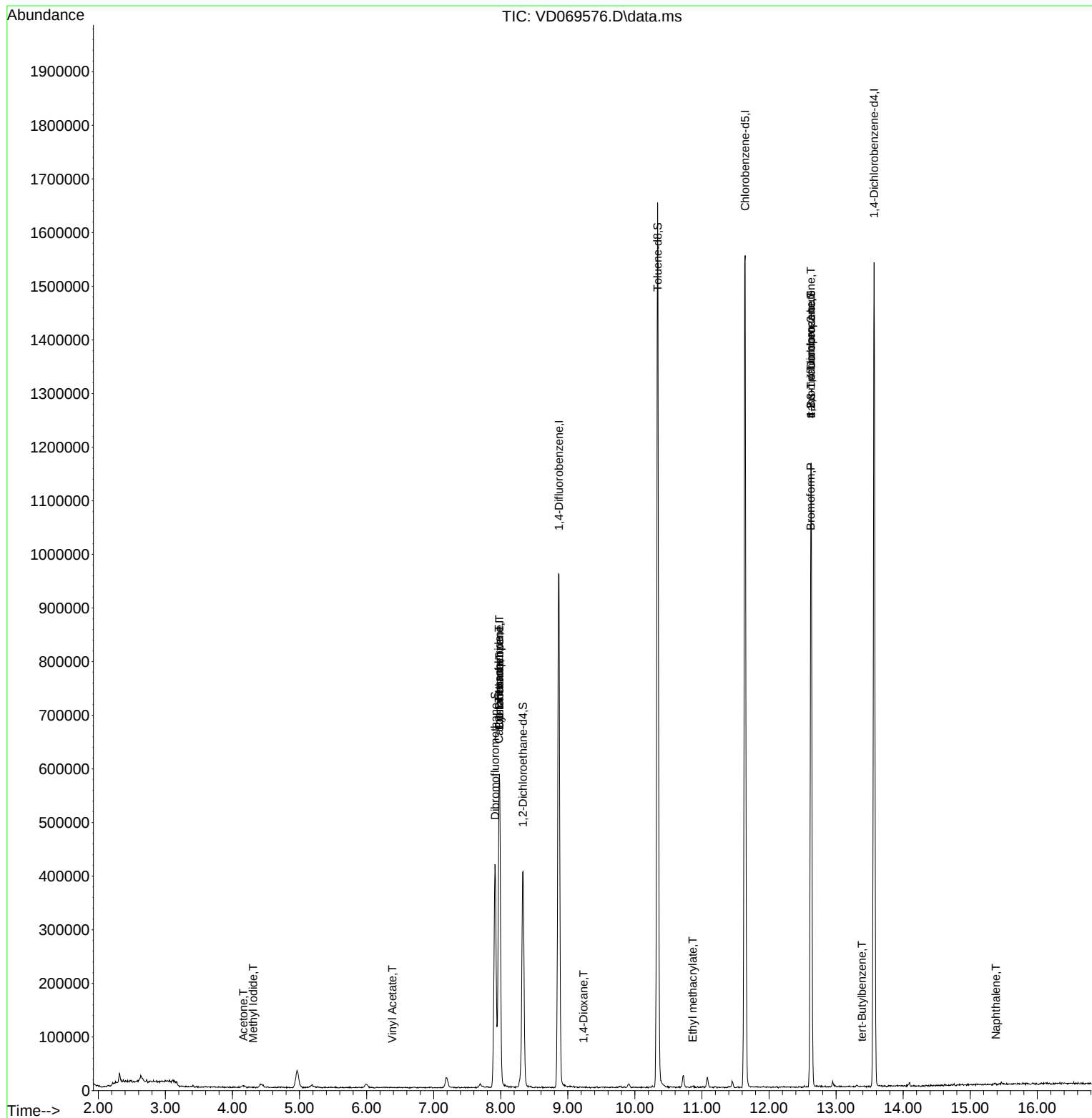
Internal Standards						
1) Pentafluorobenzene	7.979	168	418034	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	815819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	887409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	399135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	332602	63.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.660%			
35) Dibromofluoromethane	7.914	113	298982	54.215	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.420%			
50) Toluene-d8	10.338	98	1092942	52.836	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.680%			
62) 4-Bromofluorobenzene	12.626	95	392101	57.658	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.320%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.762	94	342	Below Cal	#	3
10) Methyl Iodide	4.309	142	344	4.013	ug/l #	39
11) Tert butyl alcohol	5.191	59	3597	Below Cal	#	83
16) Acetone	4.162	43	5905	6.733	ug/l #	77
18) Methyl Acetate	4.803	43	88	Below Cal	#	49
20) Methylene Chloride	4.956	84	24702	Below Cal	#	89
23) Vinyl Acetate	6.385	43	55	19.017	ug/l #	70
31) Cyclohexane	7.979	56	10127	1.443	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	38560	4.816	ug/l #	50
38) Carbon Tetrachloride	7.973	117	46007	5.806	ug/l #	17
49) 1,4-Dioxane	9.232	88	73	2.388	ug/l #	5
56) Ethyl methacrylate	10.861	69	67	2.594	ug/l #	1
71) Bromoform	12.620	173	3702	1.138	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	200457	51.163	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	200457	127.747	ug/l #	12
83) tert-Butylbenzene	13.385	119	71	1.996	ug/l #	27
95) Naphthalene	15.385	128	56	3.359	ug/l #	69

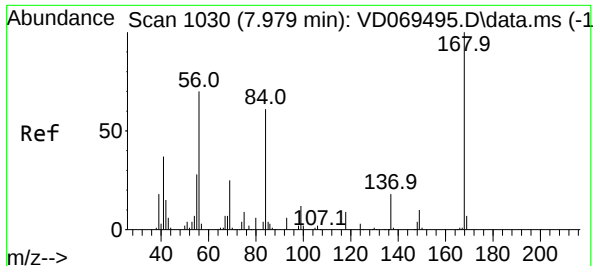
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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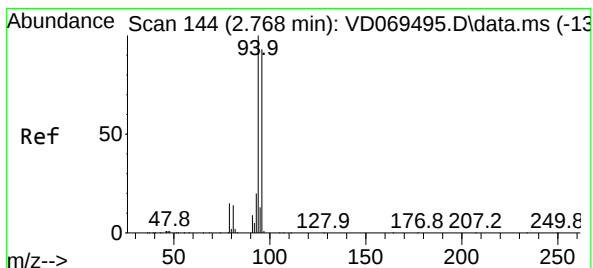
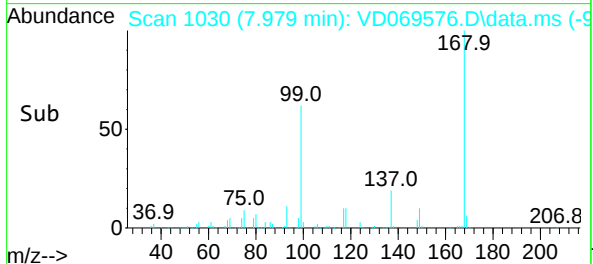
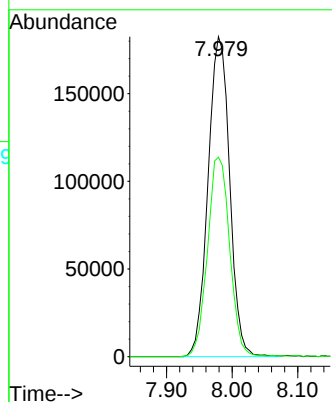
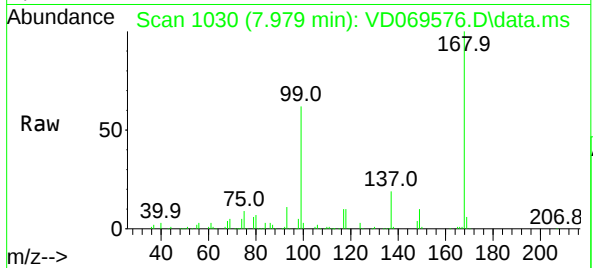




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

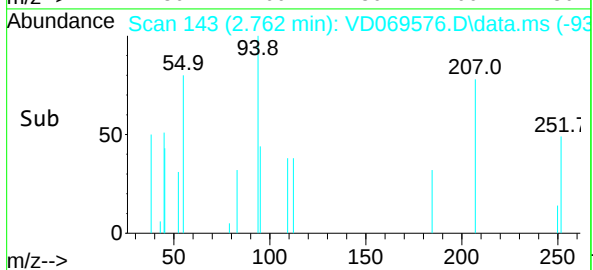
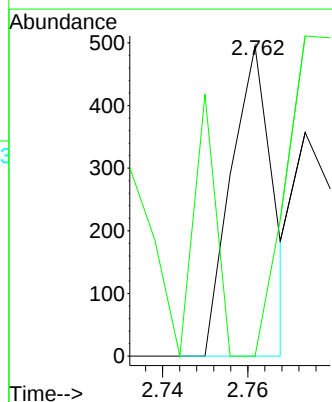
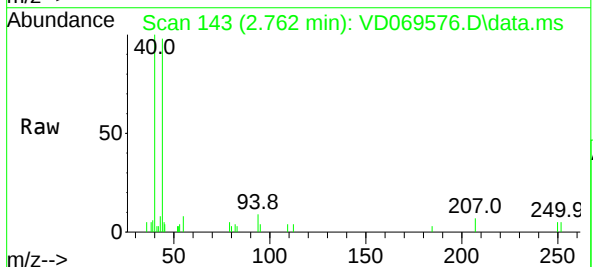
Instrument :
MSVOA_D
ClientSampleId :
SB-16-9.5-10.0

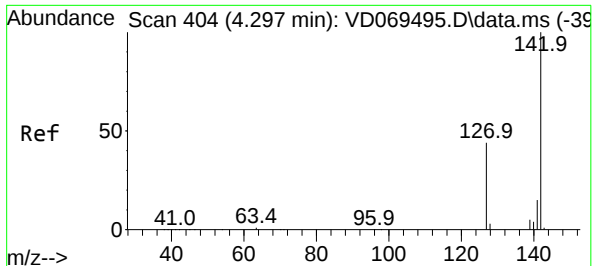
Tgt Ion:168 Resp: 418034
Ion Ratio Lower Upper
168 100
99 62.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 143
Delta R.T. -0.006 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

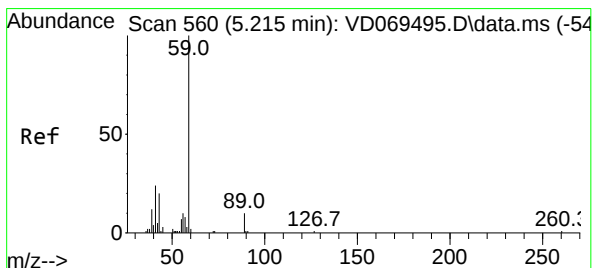
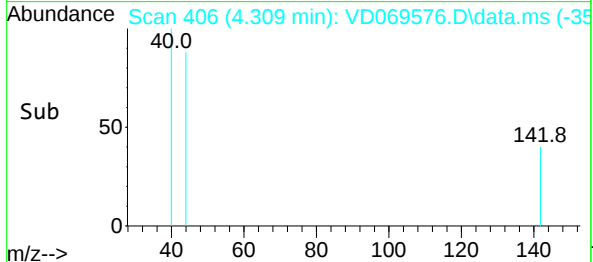
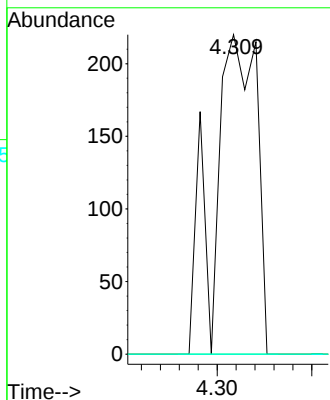
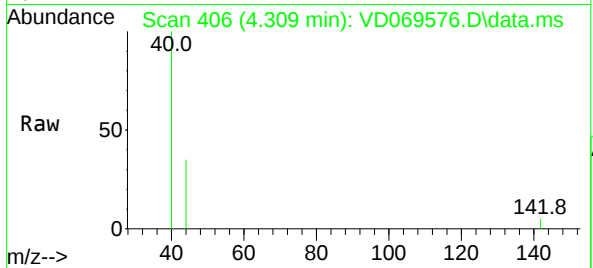




#10
Methyl Iodide
Concen: 4.013 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

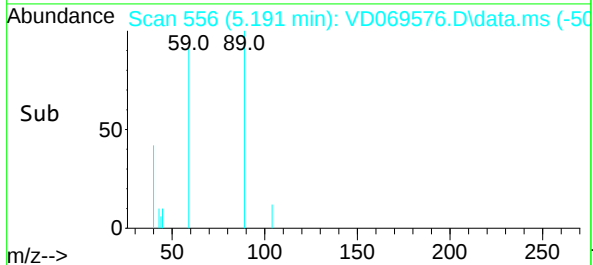
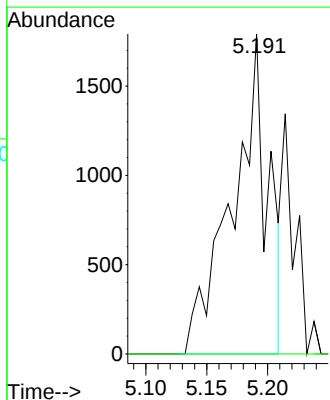
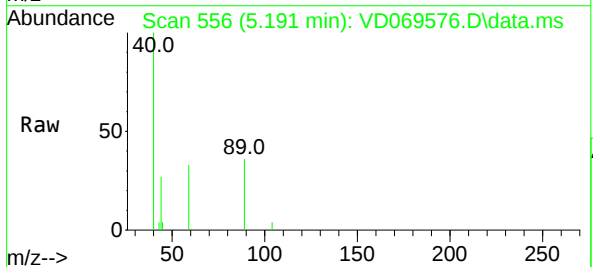
Instrument :
MSVOA_D
ClientSampleId :
SB-16-9.5-10.0

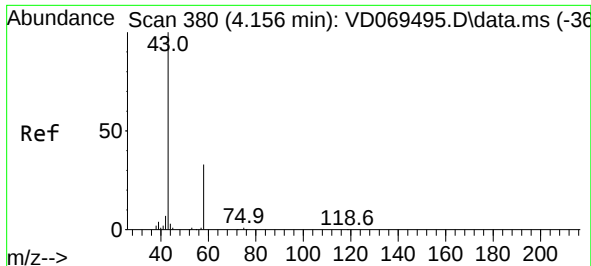
Tgt Ion:142 Resp: 344
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Tgt Ion: 59 Resp: 3597
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

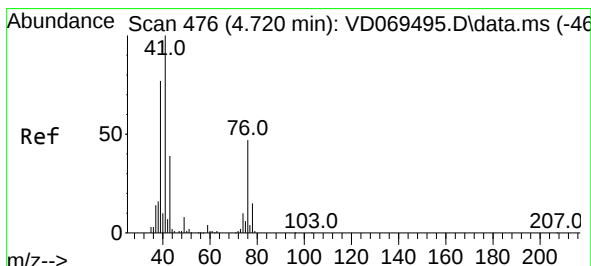
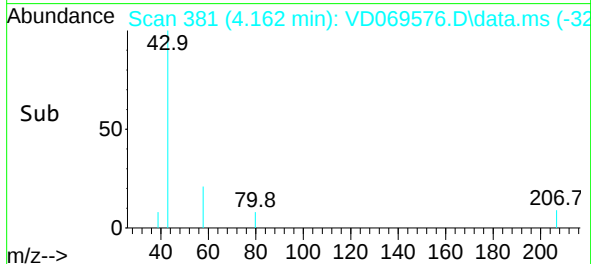
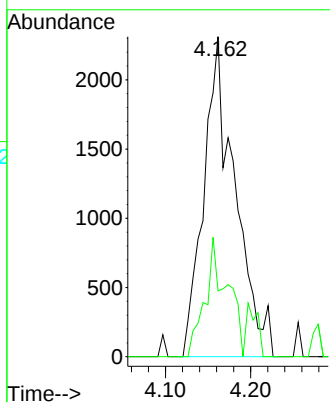
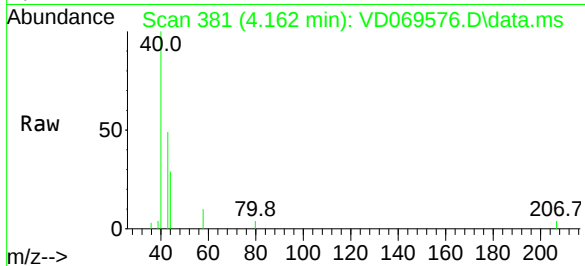




#16
Acetone
Concen: 6.733 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

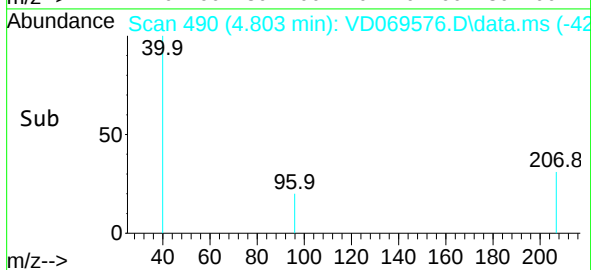
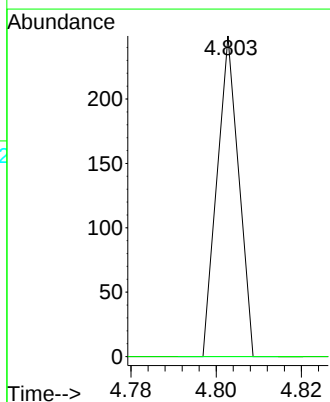
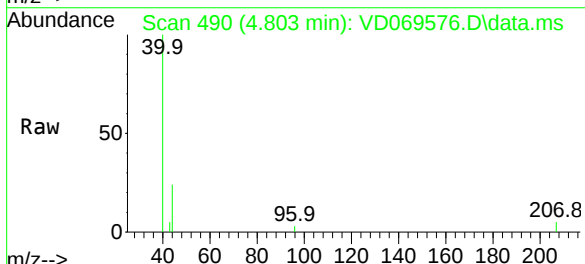
Instrument :
MSVOA_D
ClientSampleId :
SB-16-9.5-10.0

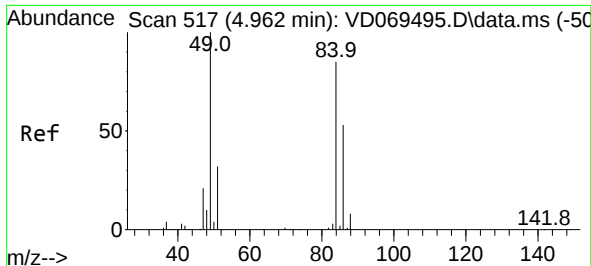
Tgt Ion: 43 Resp: 5905
Ion Ratio Lower Upper
43 100
58 20.6 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.803 min Scan# 490
Delta R.T. 0.083 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

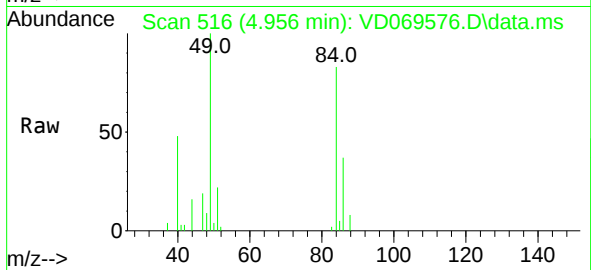
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



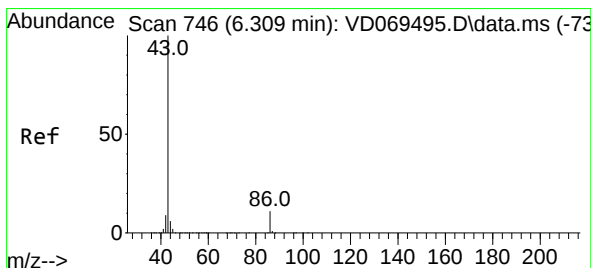
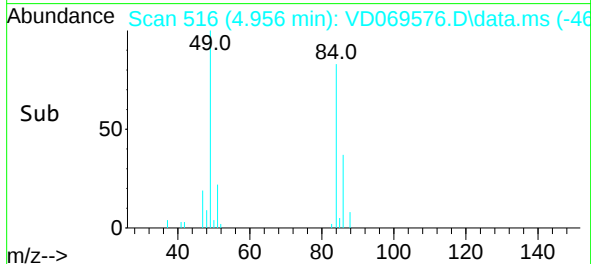
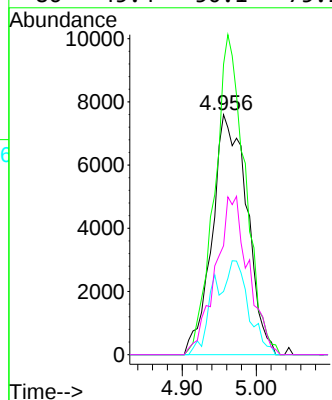


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Instrument :
MSVOA_D
ClientSampleId :
SB-16-9.5-10.0

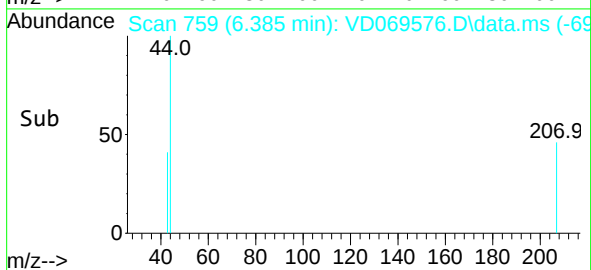
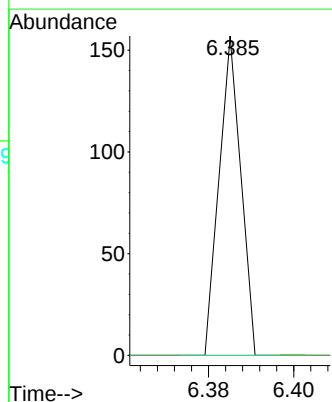
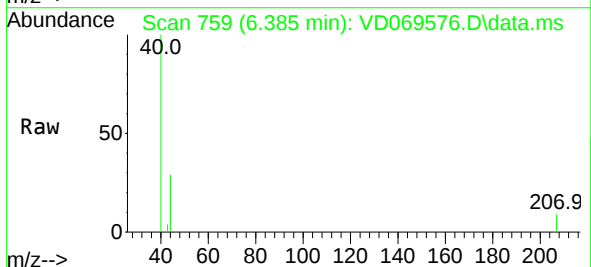


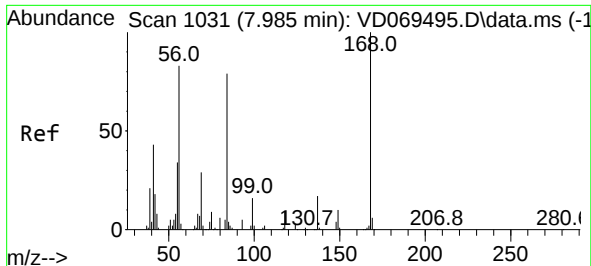
Tgt Ion: 84	Resp: 24702
Ion Ratio	Lower Upper
84 100	
49 121.0	94.0 141.0
51 26.3	29.7 44.5#
86 45.4	50.1 75.1#



#23
Vinyl Acetate
Concen: 19.017 ug/l
RT: 6.385 min Scan# 759
Delta R.T. 0.076 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43 100	
86 0.0	9.1 13.7#





#31

Cyclohexane

Concen: 1.443 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD069576.D

Acq: 25 Jun 2021 20:04

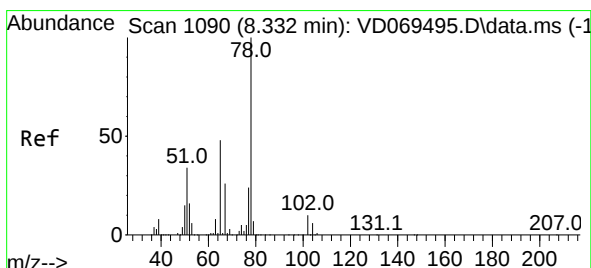
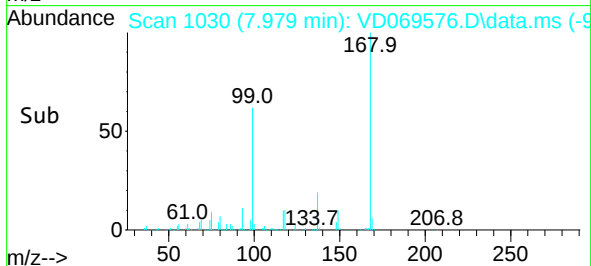
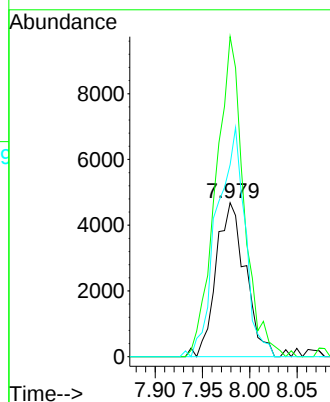
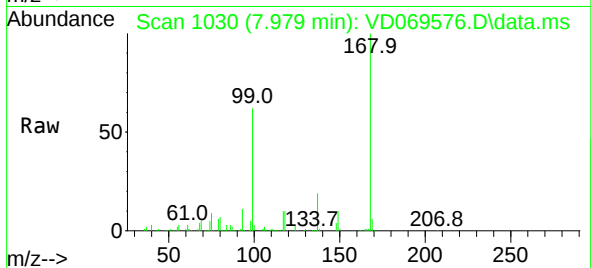
Instrument :

MSVOA_D

ClientSampleId :

SB-16-9.5-10.0

Tgt Ion: 56	Resp: 10127
Ion Ratio	Lower Upper
56	100
69	207.9 28.0 42.0#
84	124.7 75.7 113.5#



#33

1,2-Dichloroethane-d4

Concen: 63.830 ug/l

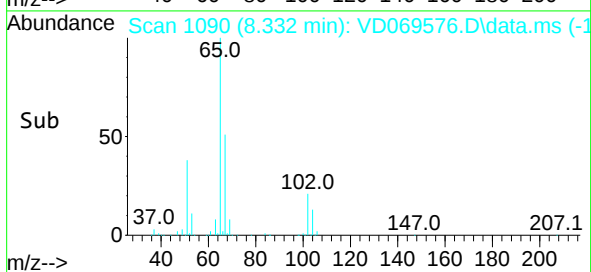
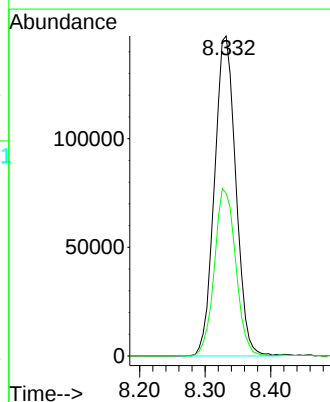
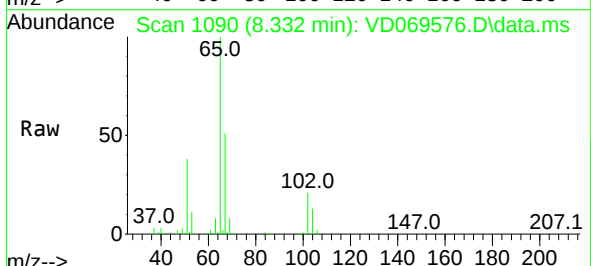
RT: 8.332 min Scan# 1090

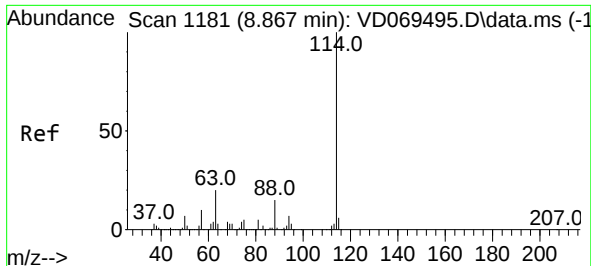
Delta R.T. -0.000 min

Lab File: VD069576.D

Acq: 25 Jun 2021 20:04

Tgt Ion: 65	Resp: 332602
Ion Ratio	Lower Upper
65	100
67	52.3 0.0 105.6

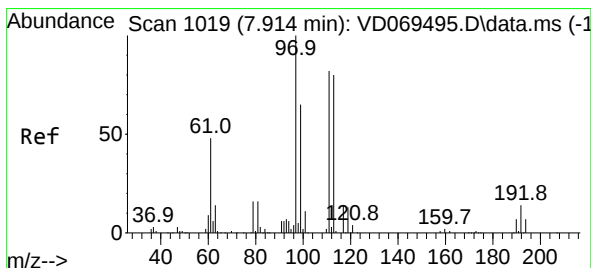
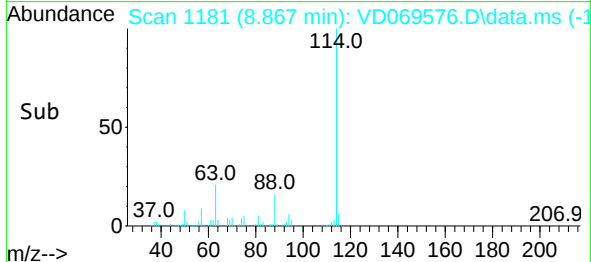
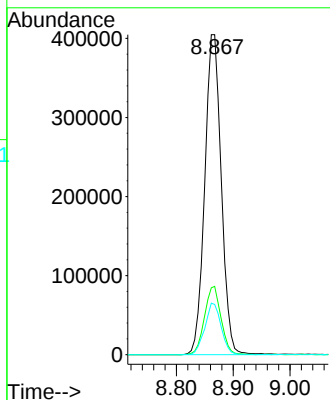
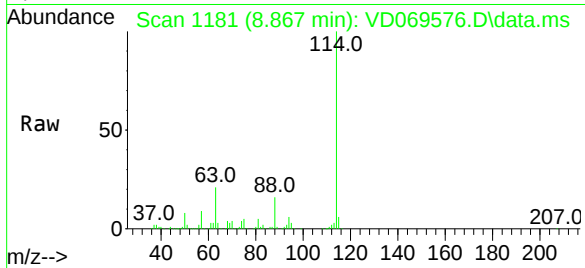




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

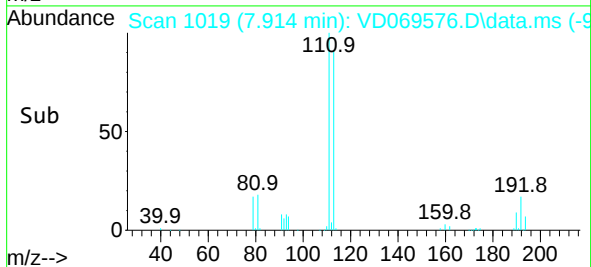
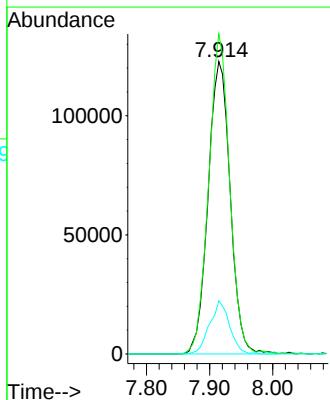
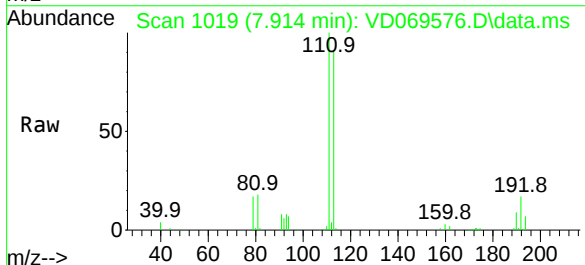
Instrument :
MSVOA_D
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SB-16-9.5-10.0

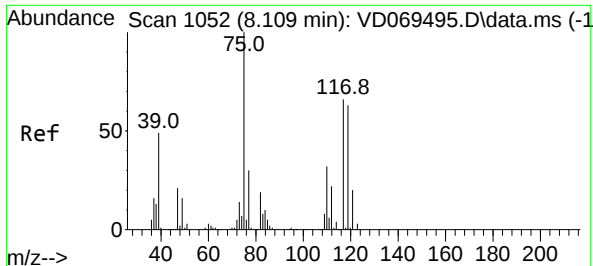
Tgt Ion:114 Resp: 815819
Ion Ratio Lower Upper
114 100
63 21.4 0.0 39.6
88 15.7 0.0 29.8



#35
Dibromofluoromethane
Concen: 54.215 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Tgt Ion:113 Resp: 298982
Ion Ratio Lower Upper
113 100
111 103.7 81.8 122.8
192 16.4 13.8 20.6

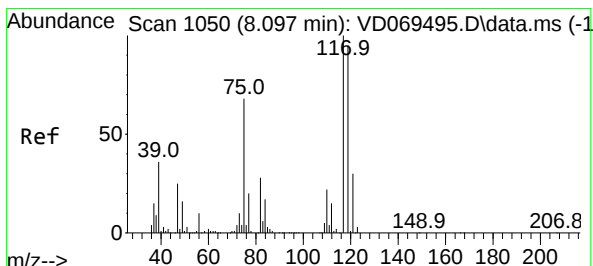
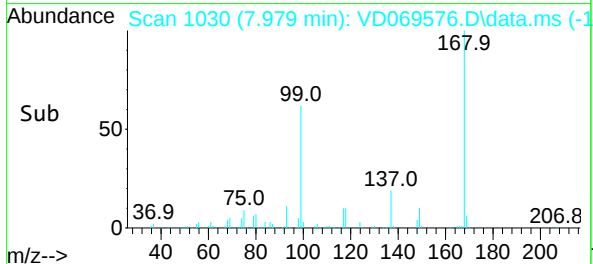
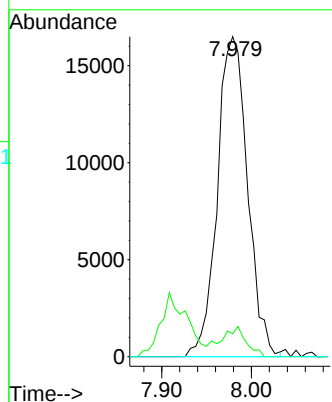
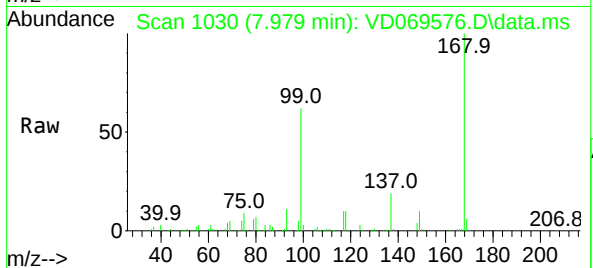




#36
1,1-Dichloropropene
Concen: 4.816 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

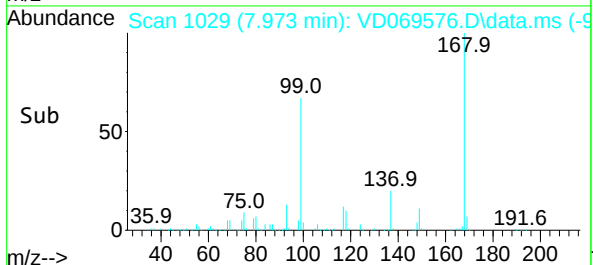
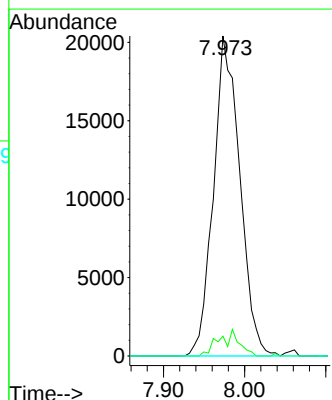
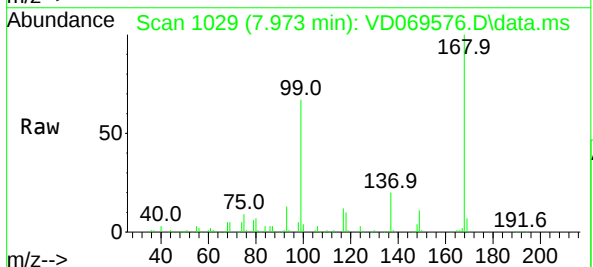
Instrument :
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SB-16-9.5-10.0

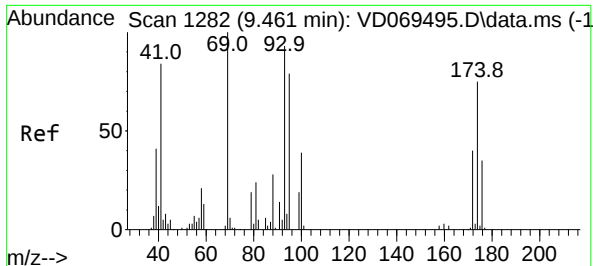
Tgt Ion: 75 Resp: 38560
Ion Ratio Lower Upper
75 100
110 7.9 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.806 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Tgt Ion: 117 Resp: 46007
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 23.8 35.8#





#49

1,4-Dioxane

Concen: 2.388 ug/l

RT: 9.232 min Scan# 1243

Delta R.T. -0.229 min

Lab File: VD069576.D

Acq: 25 Jun 2021 20:04

Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

43 98.6 26.5 39.7#

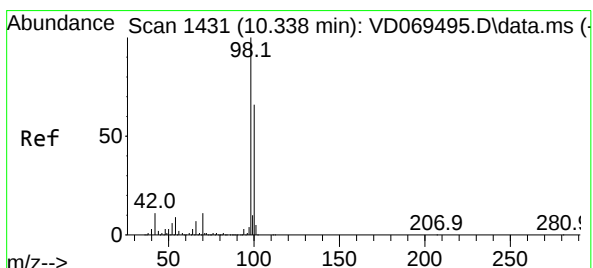
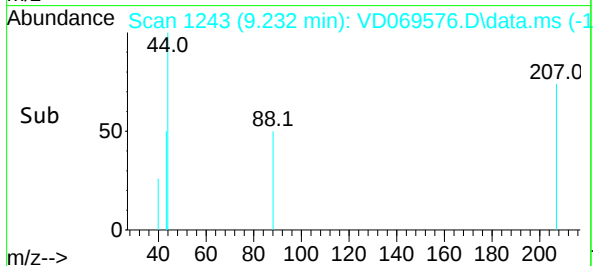
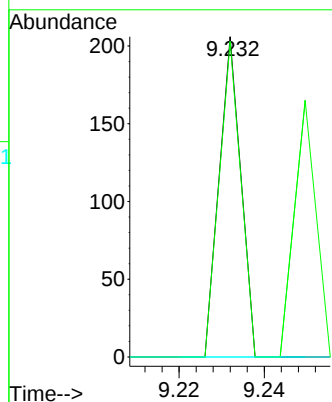
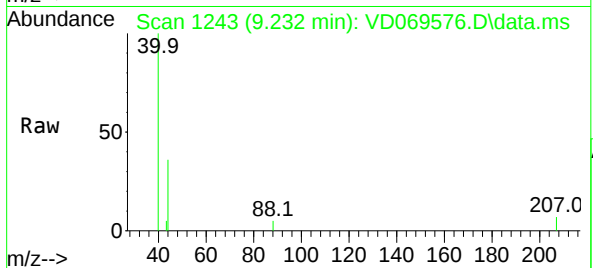
58 0.0 56.0 84.0#

Instrument :

MSVOA_D

ClientSampleId :

SB-16-9.5-10.0



#50

Toluene-d8

Concen: 52.836 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD069576.D

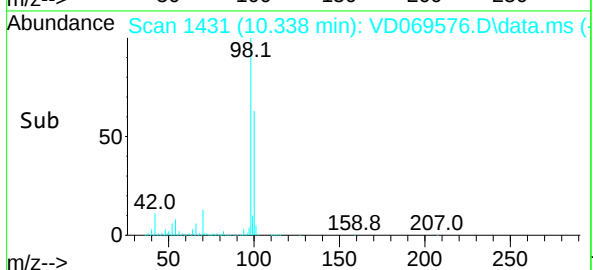
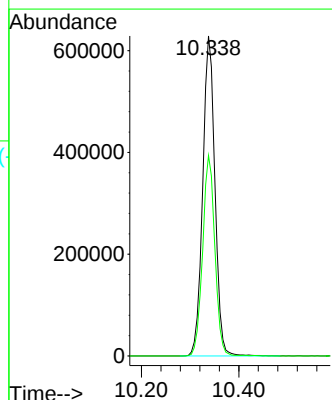
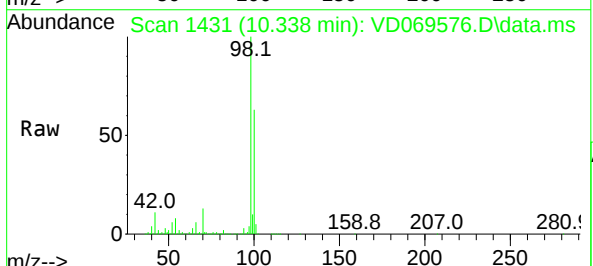
Acq: 25 Jun 2021 20:04

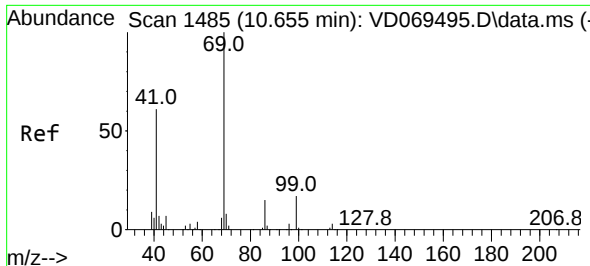
Tgt Ion: 98 Resp: 1092942

Ion Ratio Lower Upper

98 100

100 62.7 52.3 78.5

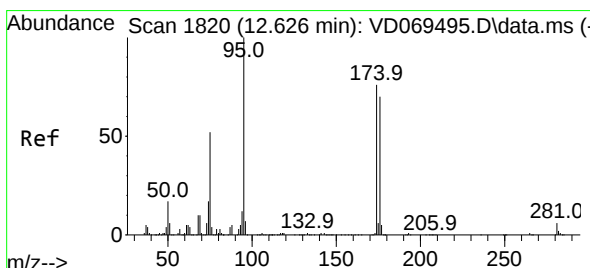
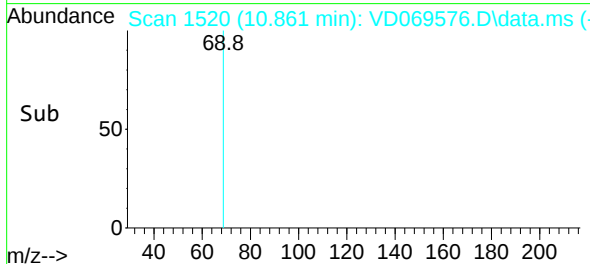
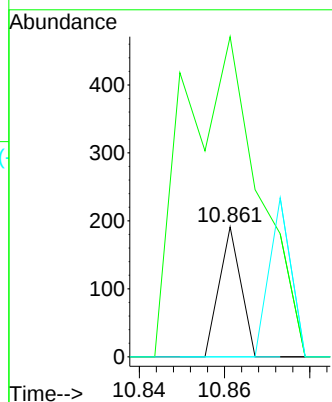
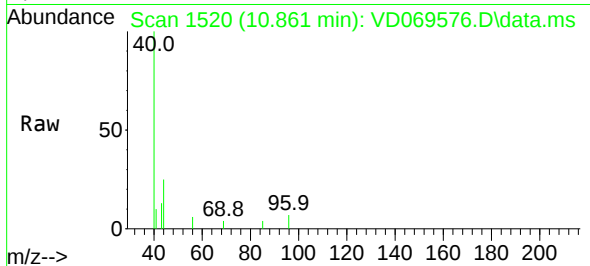




#56
Ethyl methacrylate
Concen: 2.594 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. 0.206 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

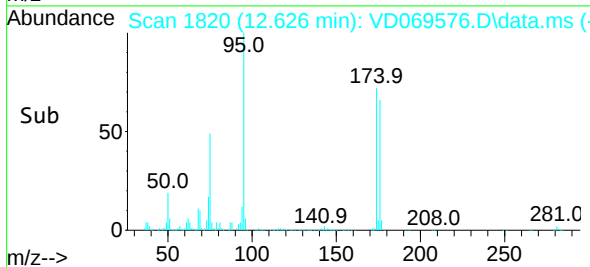
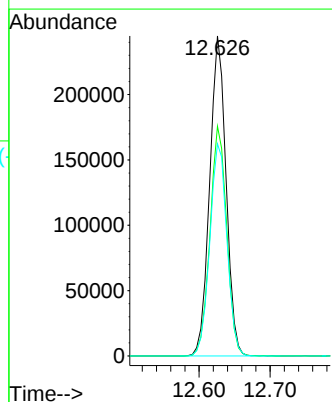
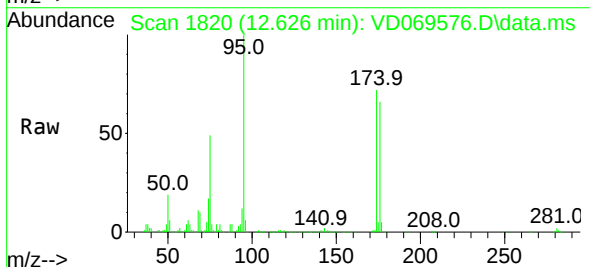
Instrument :
MSVOA_D
ClientSampleId :
SB-16-9.5-10.0

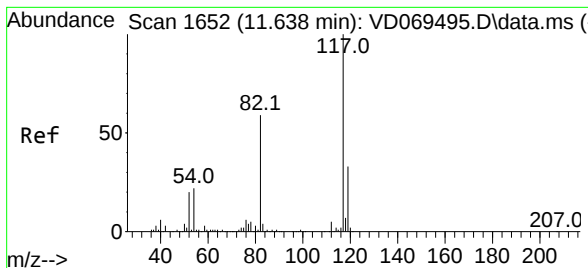
Tgt Ion: 69	Resp: 67		
Ion	Ratio	Lower	Upper
69	100		
41	852.2	49.4	74.0#
39	123.9	26.9	40.3#



#62
4-Bromofluorobenzene
Concen: 57.658 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Tgt Ion: 95	Resp: 392101
Ion Ratio	Lower Upper
95 100	
174 73.2	0.0 148.0
176 69.2	0.0 139.8

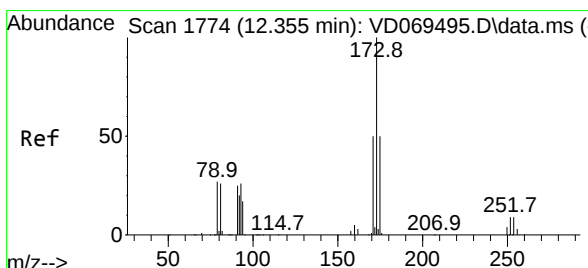
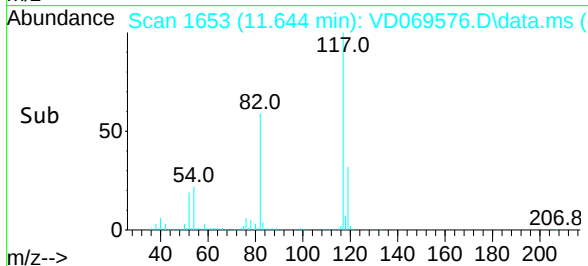
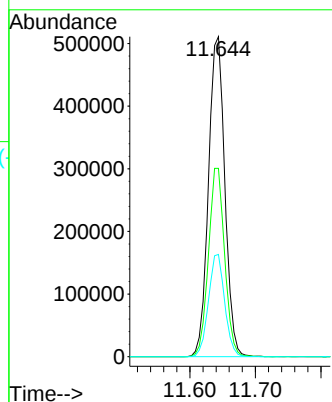
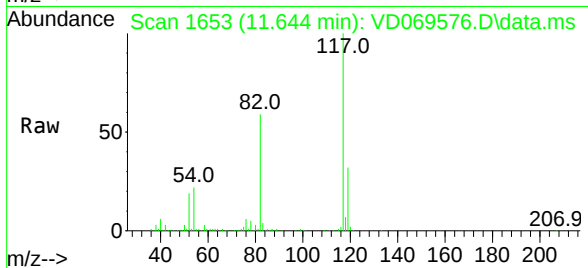




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

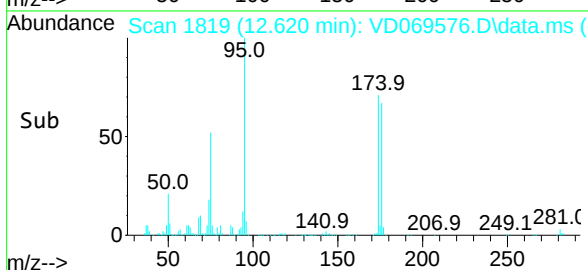
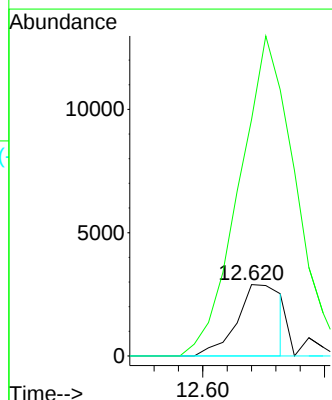
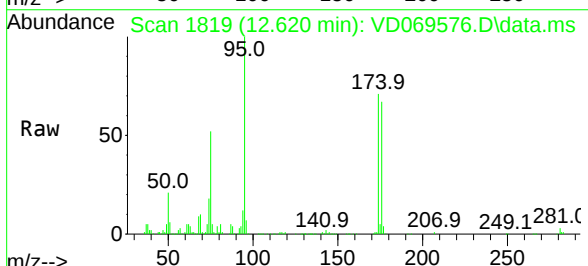
Instrument :
MSVOA_D
ClientSampleId :
SB-16-9.5-10.0

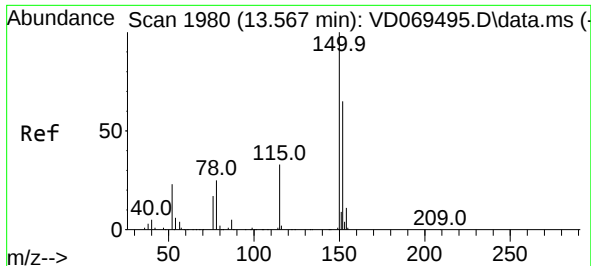
Tgt Ion:117 Resp: 887409
Ion Ratio Lower Upper
117 100
82 58.9 46.8 70.2
119 32.0 26.2 39.2



#71
Bromoform
Concen: 1.138 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Tgt Ion:173 Resp: 3702
Ion Ratio Lower Upper
173 100
175 431.6 24.6 73.8#
254 0.0 0.1 0.1#

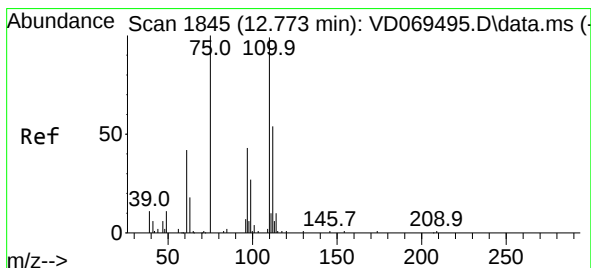
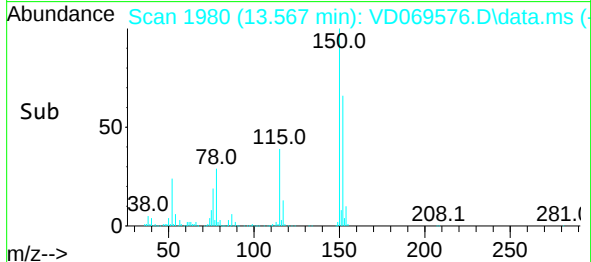
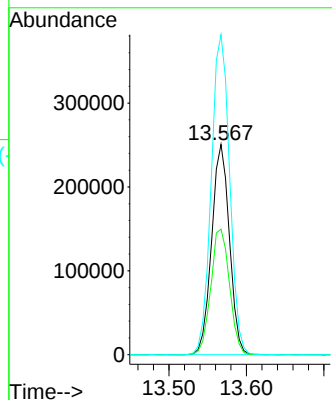
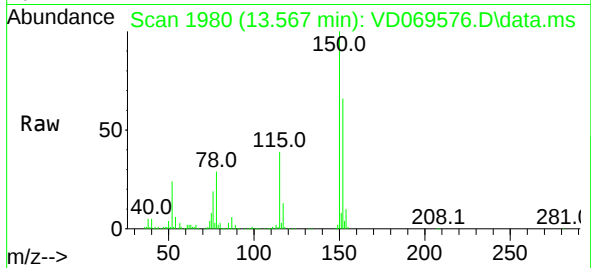




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069576.D
 Acq: 25 Jun 2021 20:04

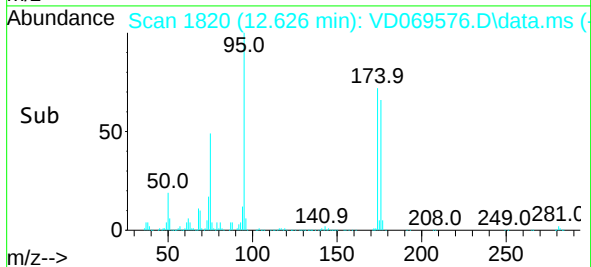
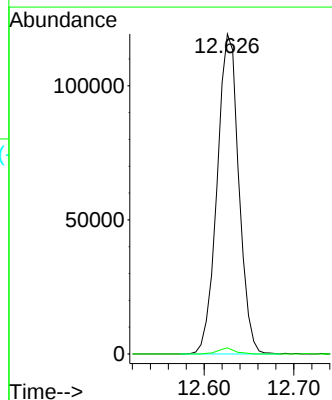
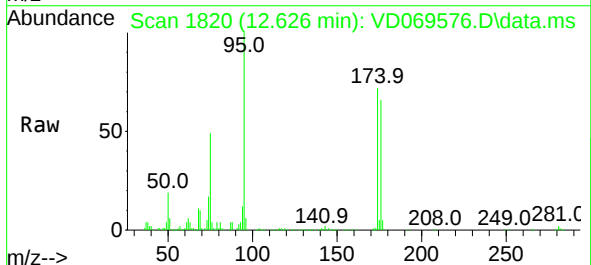
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16-9.5-10.0

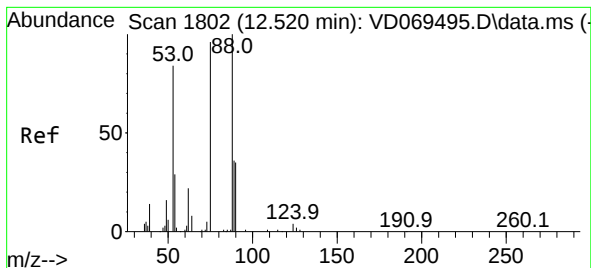
Tgt Ion:152 Resp: 399135
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.7 95.1
 150 157.1 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 51.163 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069576.D
 Acq: 25 Jun 2021 20:04

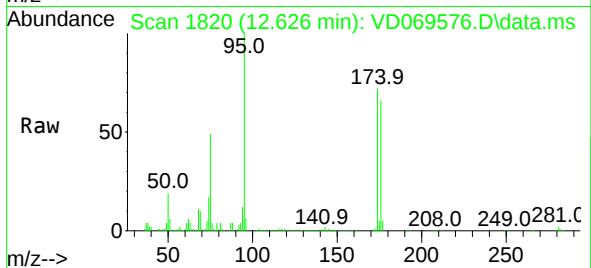
Tgt Ion: 75 Resp: 200457
 Ion Ratio Lower Upper
 75 100
 77 1.5 162.6 487.8#



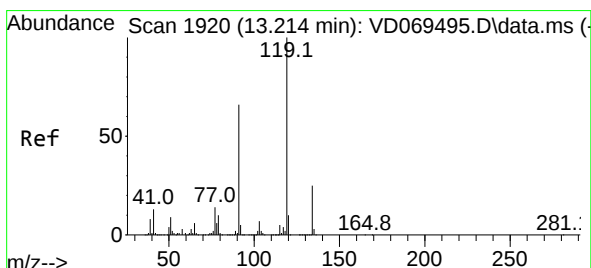
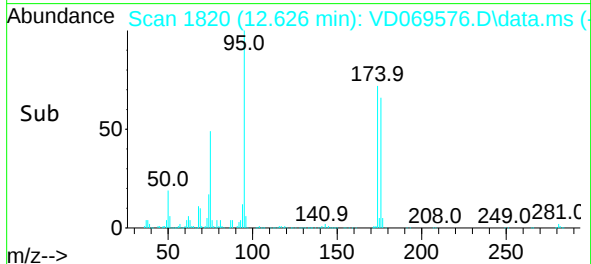
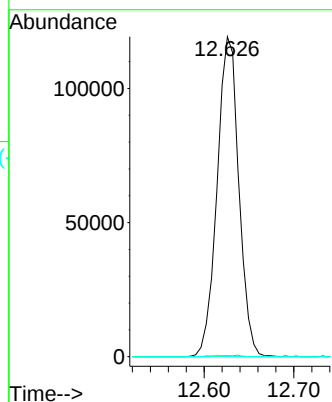


#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.747 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069576.D
 Acq: 25 Jun 2021 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-16-9.5-10.0

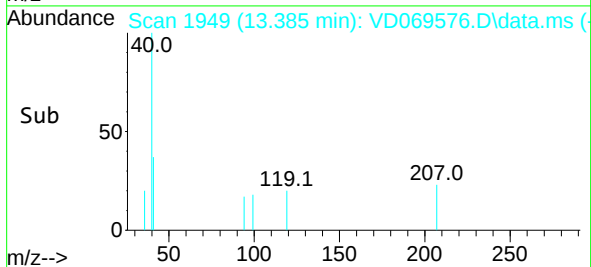
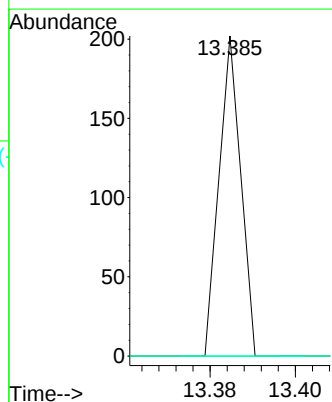
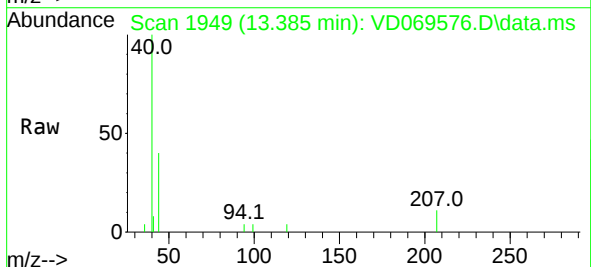


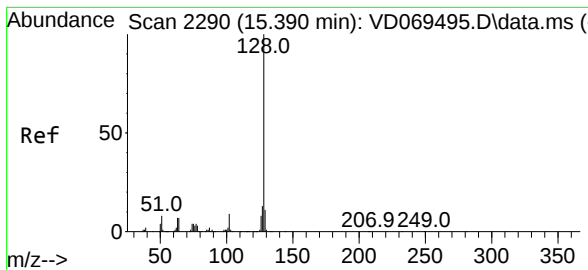
Tgt Ion: 75 Resp: 200457
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.6 112.0#
 89 0.2 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 1.996 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. 0.171 min
 Lab File: VD069576.D
 Acq: 25 Jun 2021 20:04

Tgt Ion: 119 Resp: 71
 Ion Ratio Lower Upper
 119 100
 91 0.0 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.359 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069576.D
Acq: 25 Jun 2021 20:04

Instrument :
MSVOA_D
ClientSampleId :
SB-16-9.5-10.0

Tgt Ion:	128	Resp:	56
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

