

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069608.D
 Acq On : 07 Jul 2021 15:08
 Operator : VA/SY
 Sample : M2931-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:06:47 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)

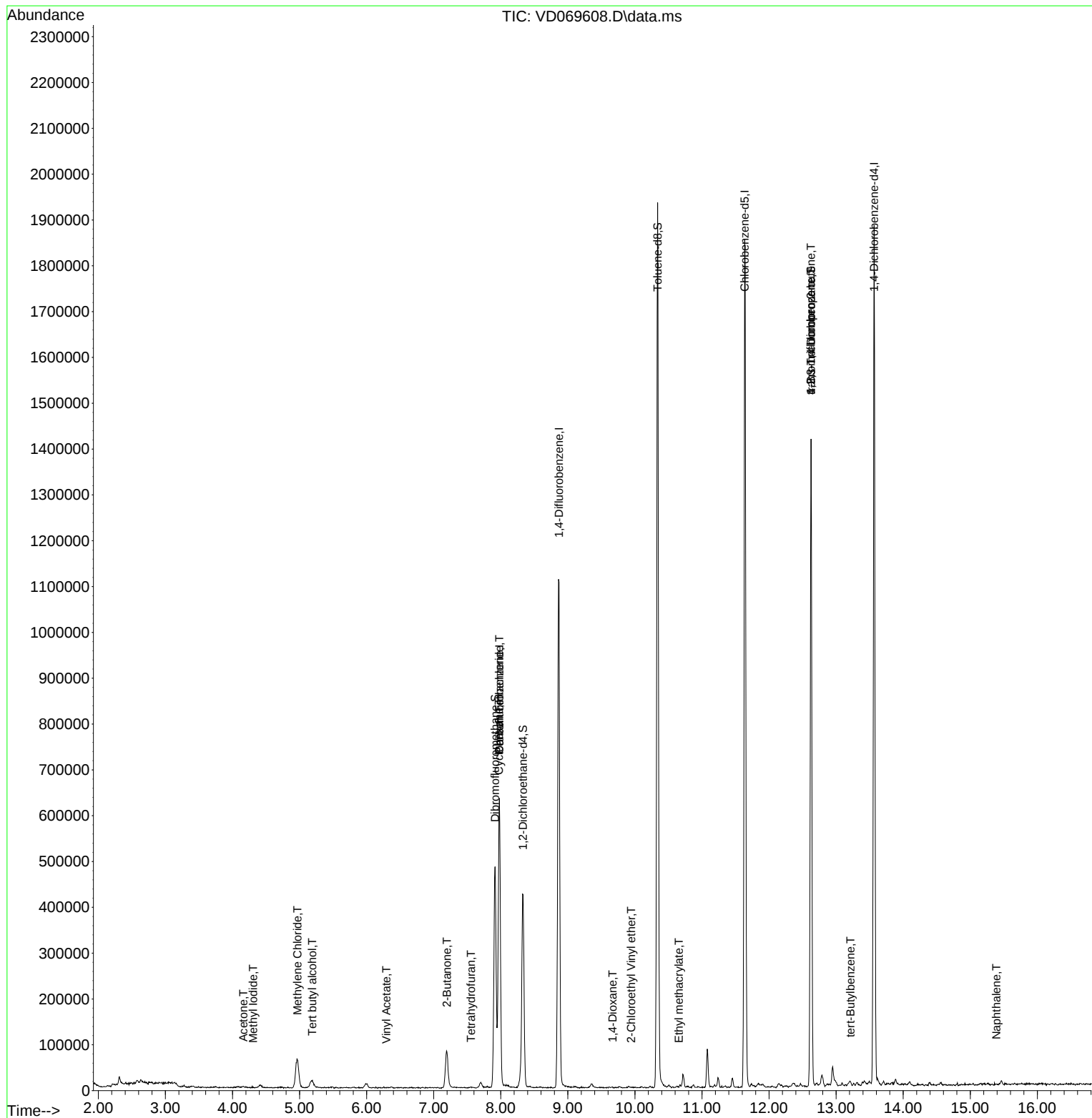
Internal Standards						
1) Pentafluorobenzene	7.979	168	439550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	953450	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1074489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	470393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	340577	62.161	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.320%			
35) Dibromofluoromethane	7.914	113	354912	55.067	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.140%			
50) Toluene-d8	10.338	98	1287710	53.266	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.540%			
62) 4-Bromofluorobenzene	12.626	95	474475	59.699	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.400%			
Target Compounds						Qvalue
5) Bromomethane	2.767	94	2378	Below Cal	#	64
10) Methyl Iodide	4.309	142	1011	4.143	ug/l #	74
11) Tert butyl alcohol	5.191	59	16286	15.932	ug/l #	84
16) Acetone	4.162	43	5347	5.798	ug/l #	81
18) Methyl Acetate	4.726	43	200	Below Cal	#	49
20) Methylene Chloride	4.967	84	52487	2.936	ug/l	97
23) Vinyl Acetate	6.297	43	123	19.025	ug/l #	70
25) 2-Butanone	7.197	43	4630	3.951	ug/l #	80
29) Tetrahydrofuran	7.555	42	774	1.205	ug/l #	73
31) Cyclohexane	7.973	56	12207	1.655	ug/l #	1
38) Carbon Tetrachloride	7.979	117	48085	5.192	ug/l #	17
49) 1,4-Dioxane	9.667	88	103	2.883	ug/l #	23
56) Ethyl methacrylate	10.655	69	388	2.642	ug/l #	39
58) 2-Chloroethyl Vinyl ether	9.944	63	235	10.672	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	240992	52.191	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	240992	130.314	ug/l #	13
83) tert-Butylbenzene	13.214	119	2050	2.073	ug/l	86
95) Naphthalene	15.390	128	947	3.415	ug/l #	82

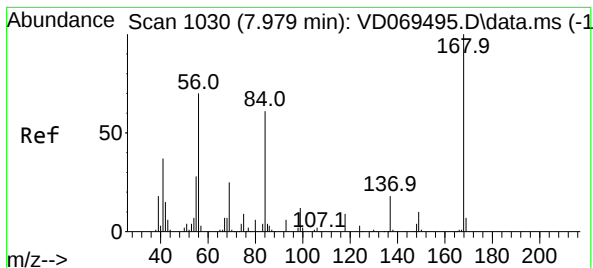
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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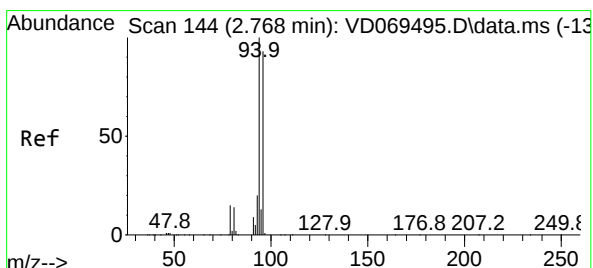
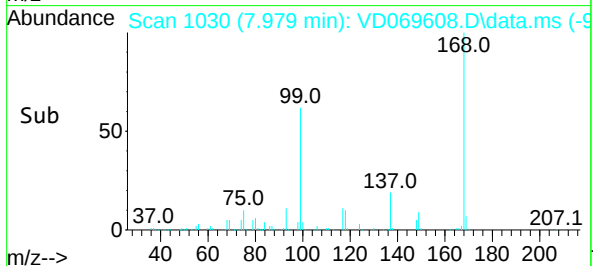
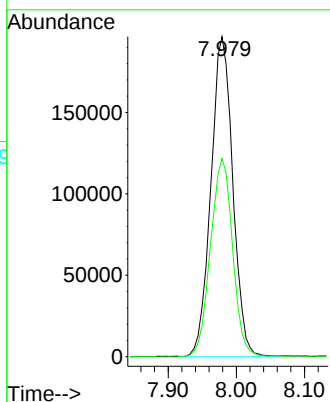
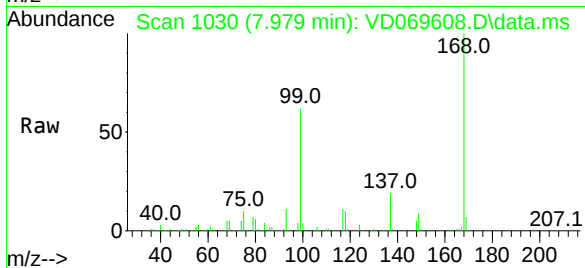




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

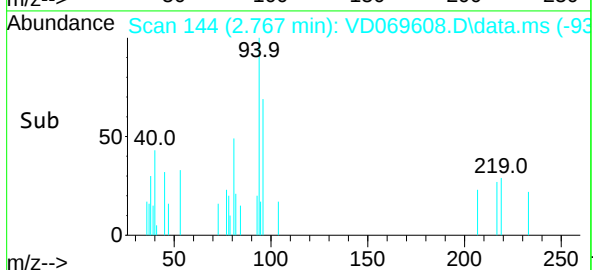
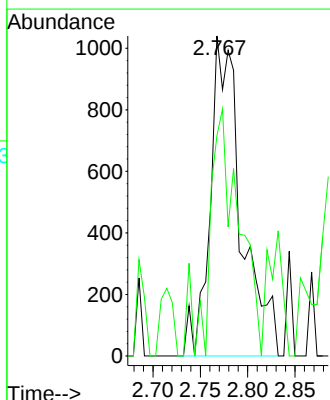
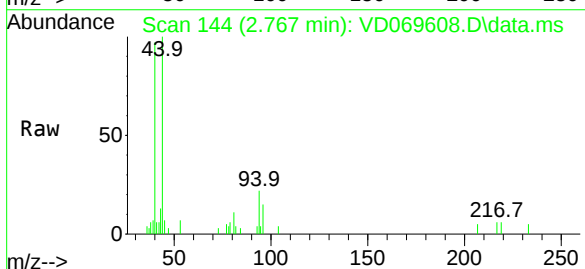
Instrument :
MSVOA_D
ClientSampled :

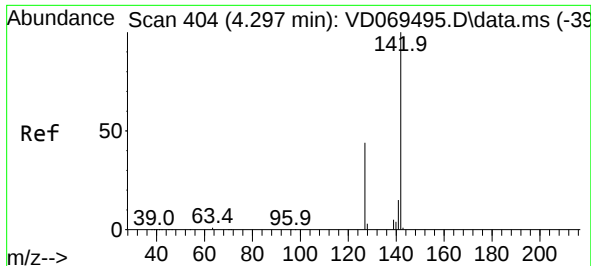
Tgt Ion:168 Resp: 439550
Ion Ratio Lower Upper
168 100
99 61.8 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.767 min Scan# 144
Delta R.T. -0.001 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

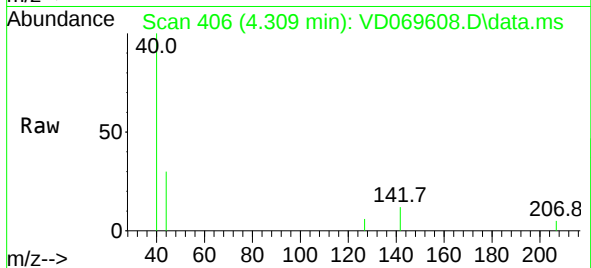
Tgt Ion: 94 Resp: 2378
Ion Ratio Lower Upper
94 100
96 59.0 74.6 111.8#



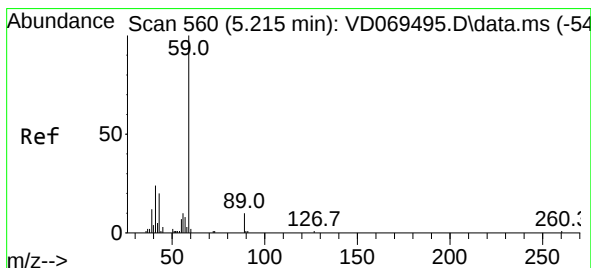
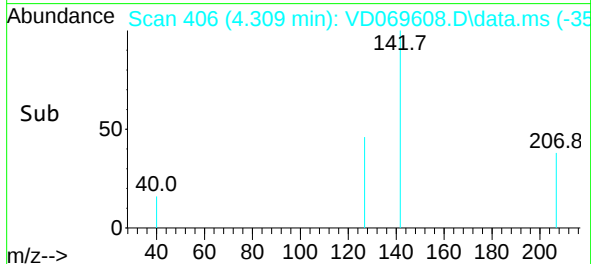
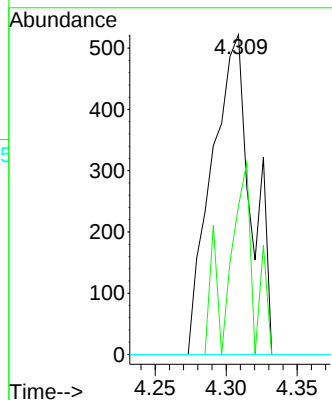


#10
Methyl Iodide
Concen: 4.143 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Instrument :
MSVOA_D
ClientSampled :

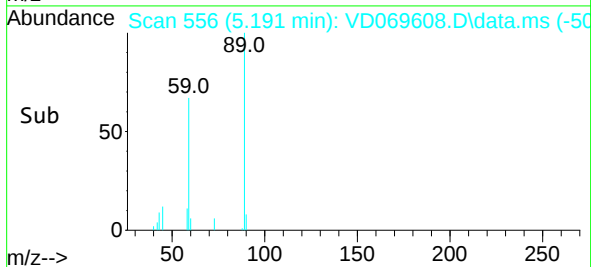
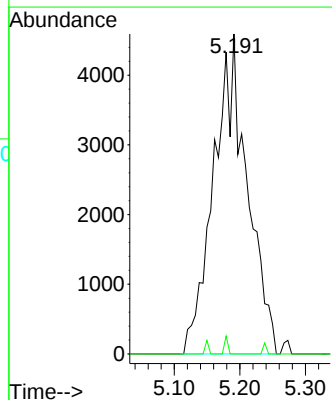
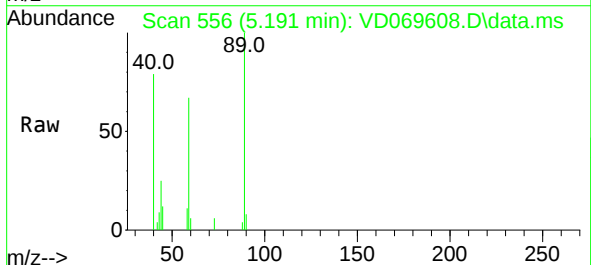


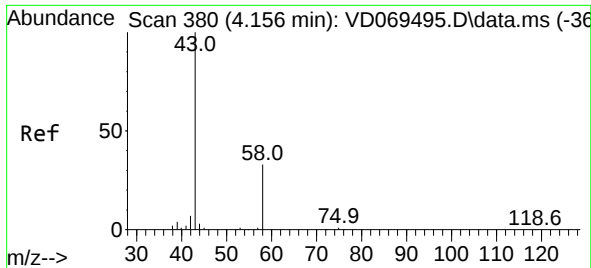
Tgt Ion:142 Resp: 1011
Ion Ratio Lower Upper
142 100
127 30.9 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 15.932 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.024 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion: 59 Resp: 16286
Ion Ratio Lower Upper
59 100
57 0.6 4.6 7.0#

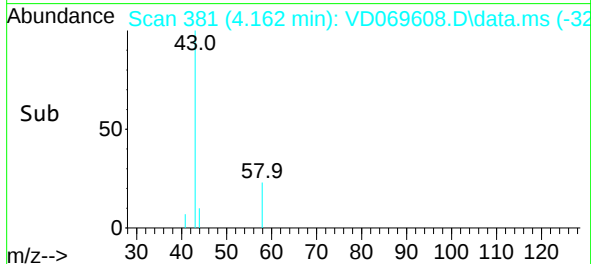
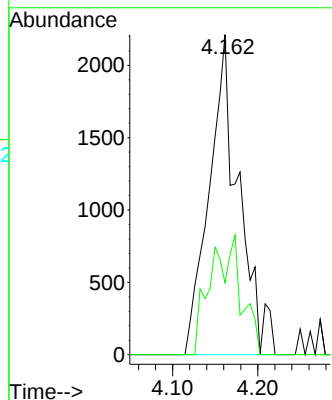
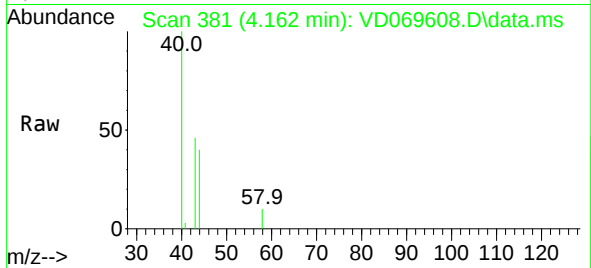




#16
Acetone
Concen: 5.798 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

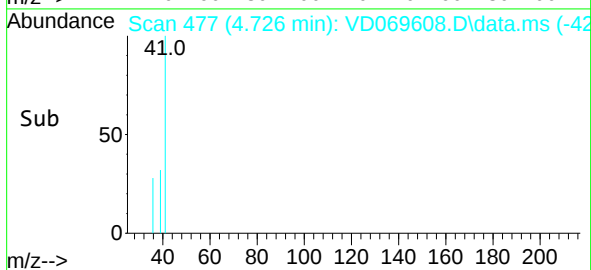
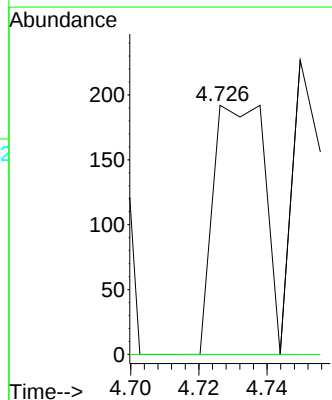
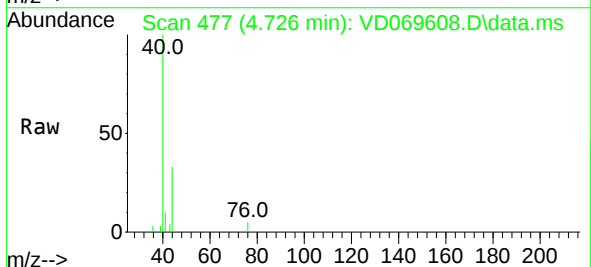
Instrument :
MSVOA_D
ClientSampled :

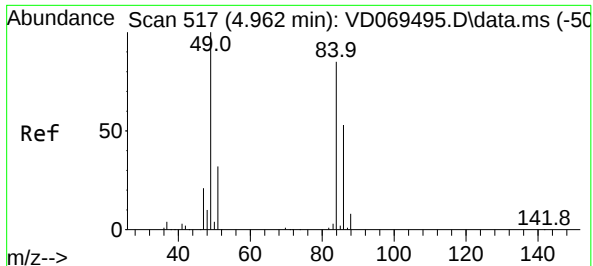
Tgt Ion: 43 Resp: 5347
Ion Ratio Lower Upper
43 100
58 22.5 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#20

Methylene Chloride

Concen: 2.936 ug/l

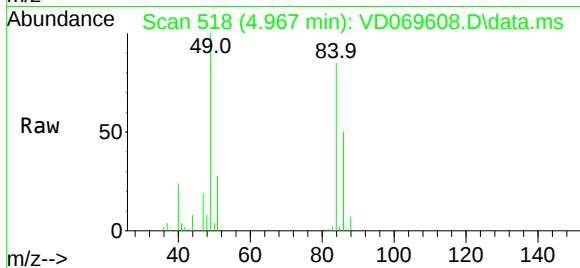
RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD069608.D

Acq: 07 Jul 2021 15:08

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 84 Resp: 52487

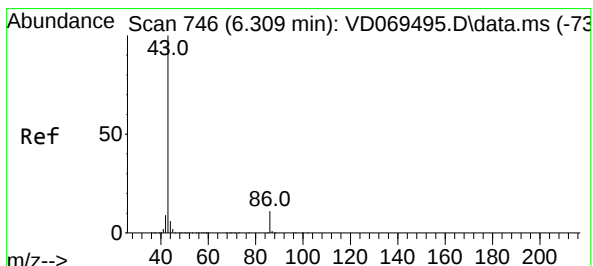
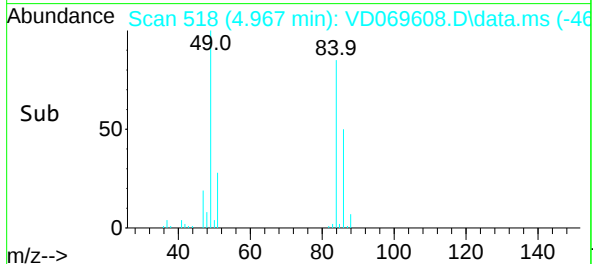
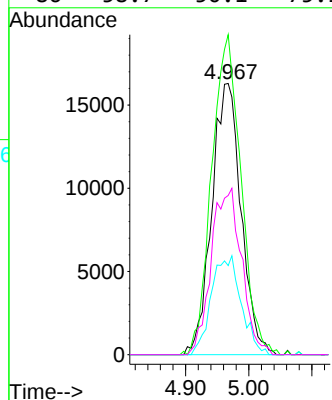
Ion Ratio Lower Upper

84 100

49 118.0 94.0 141.0

51 32.9 29.7 44.5

86 58.7 50.1 75.1



#23

Vinyl Acetate

Concen: 19.025 ug/l

RT: 6.297 min Scan# 744

Delta R.T. -0.012 min

Lab File: VD069608.D

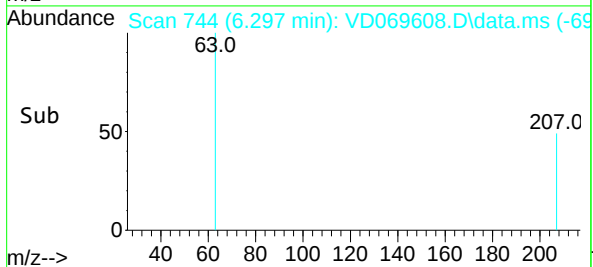
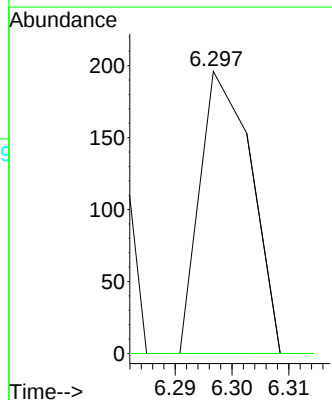
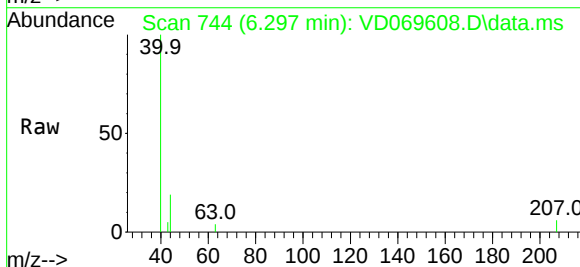
Acq: 07 Jul 2021 15:08

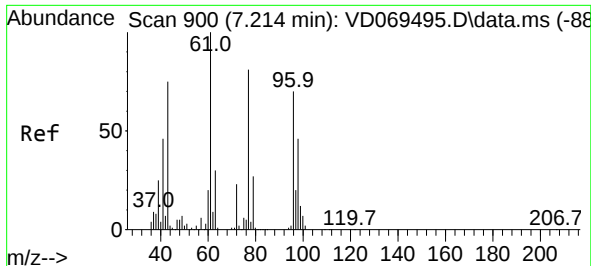
Tgt Ion: 43 Resp: 123

Ion Ratio Lower Upper

43 100

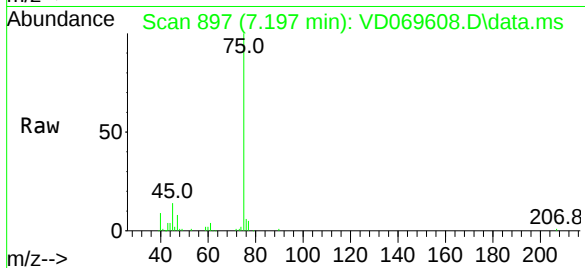
86 0.0 9.1 13.7#



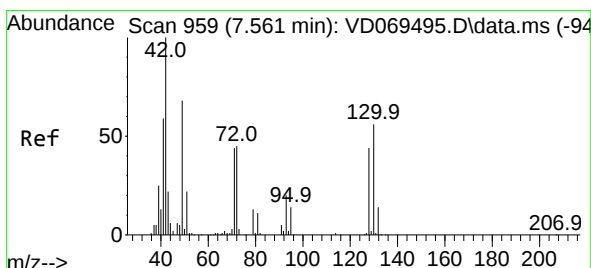
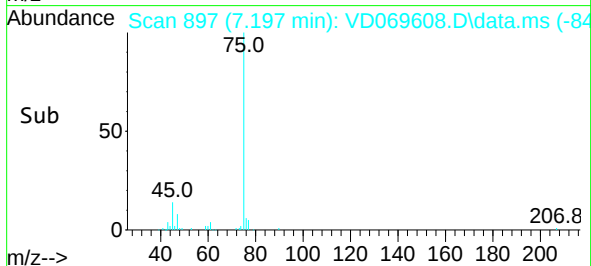
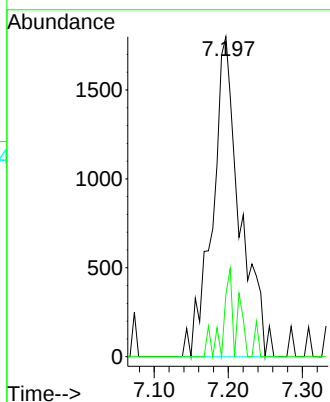


#25
2-Butanone
Concen: 3.951 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.018 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Instrument :
MSVOA_D
ClientSampled :

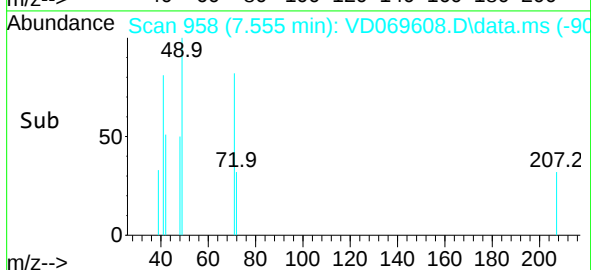
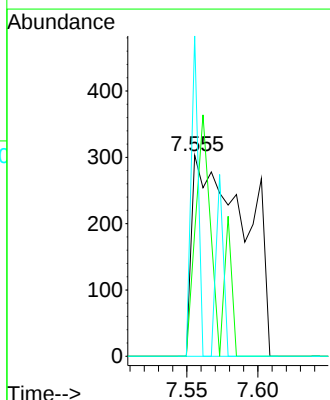
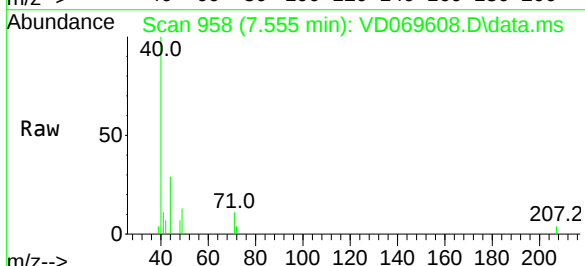


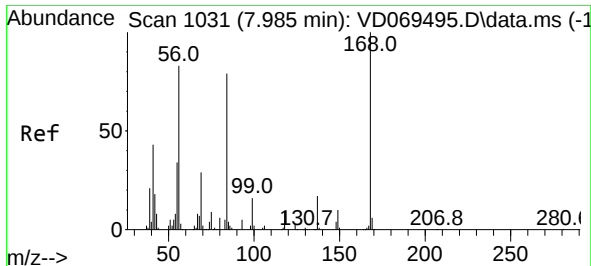
Tgt Ion: 43 Resp: 4630
Ion Ratio Lower Upper
43 100
72 19.4 24.3 36.5#



#29
Tetrahydrofuran
Concen: 1.205 ug/l
RT: 7.555 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion: 42 Resp: 774
Ion Ratio Lower Upper
42 100
72 33.3 37.9 56.9#
71 22.0 35.1 52.7#

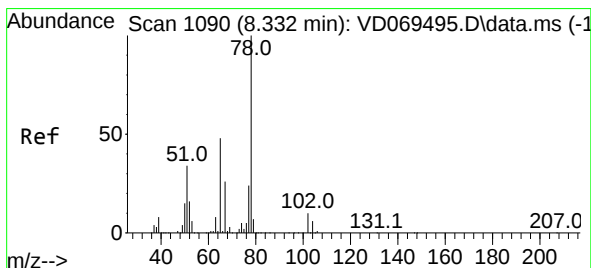
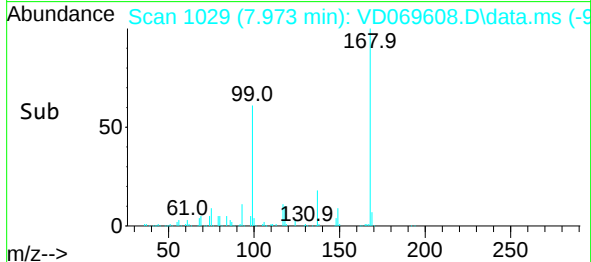
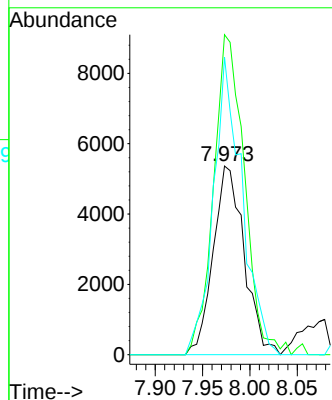
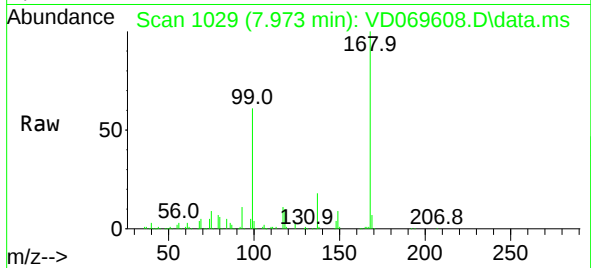




#31
Cyclohexane
Concen: 1.655 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

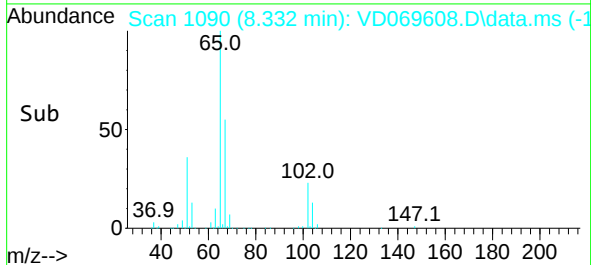
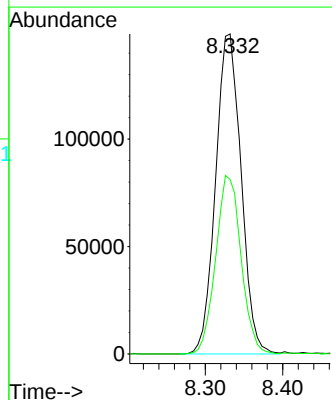
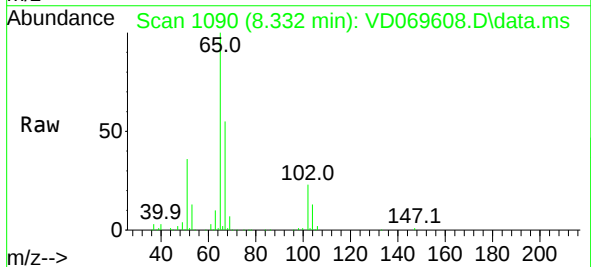
Instrument :
MSVOA_D
ClientSampled :

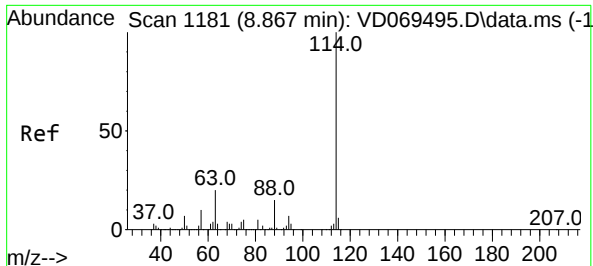
Tgt Ion: 56 Resp: 12207
Ion Ratio Lower Upper
56 100
69 169.6 28.0 42.0#
84 157.7 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 62.161 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion: 65 Resp: 340577
Ion Ratio Lower Upper
65 100
67 55.5 0.0 105.6



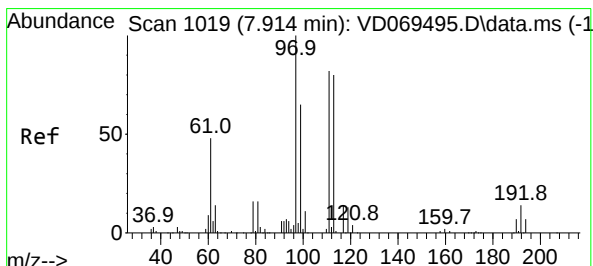
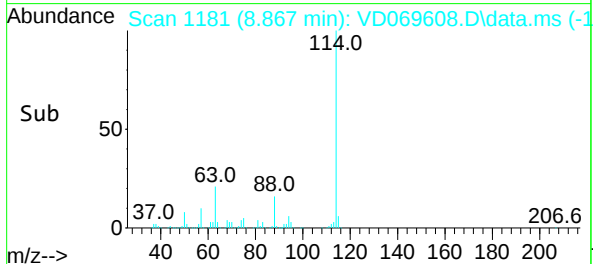
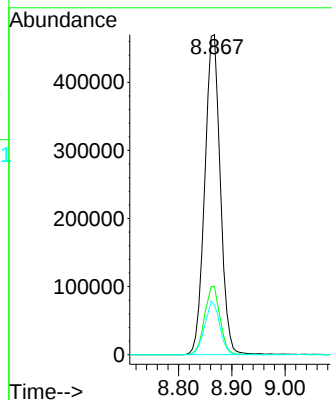
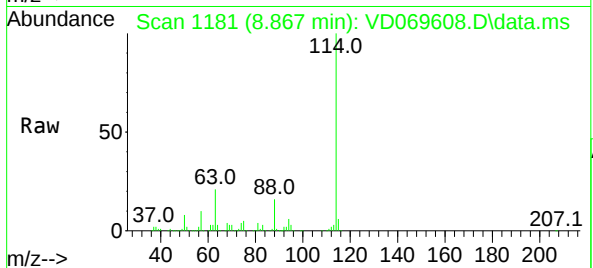


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Instrument :
MSVOA_D
ClientSampled :

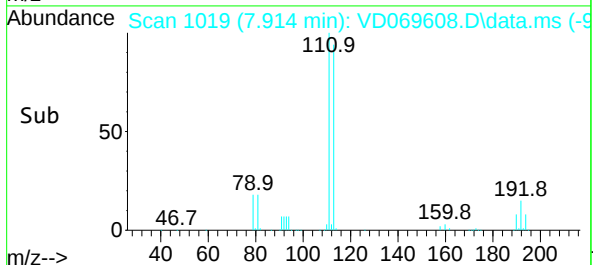
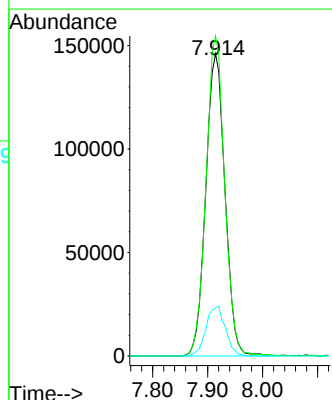
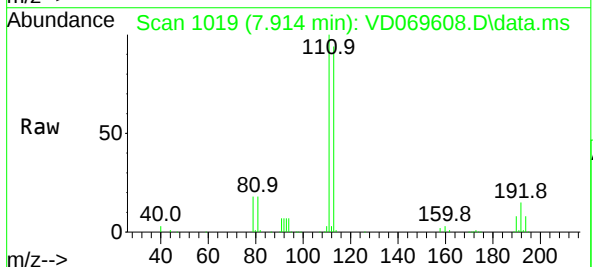
Tgt Ion:114 Resp: 953450
Ion Ratio Lower Upper
114 100
63 21.3 0.0 39.6
88 15.5 0.0 29.8

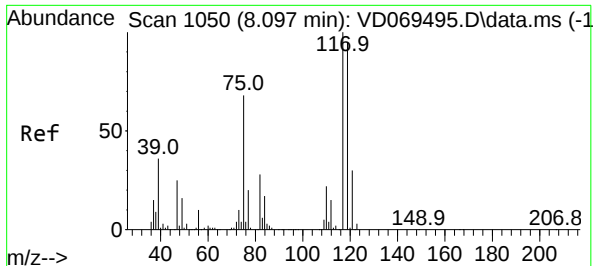


#35

Dibromofluoromethane
Concen: 55.067 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

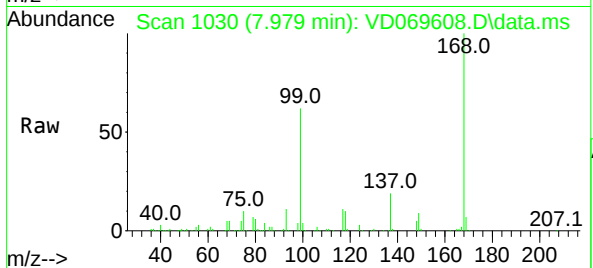
Tgt Ion:113 Resp: 354912
Ion Ratio Lower Upper
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111 102.9 81.8 122.8
192 16.6 13.8 20.6



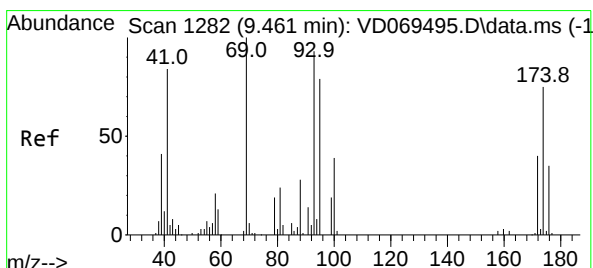
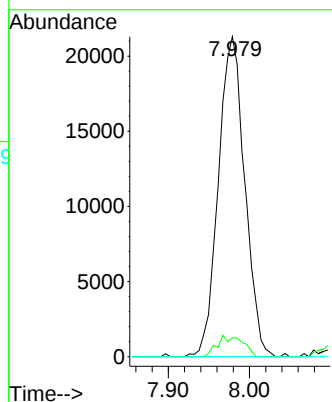
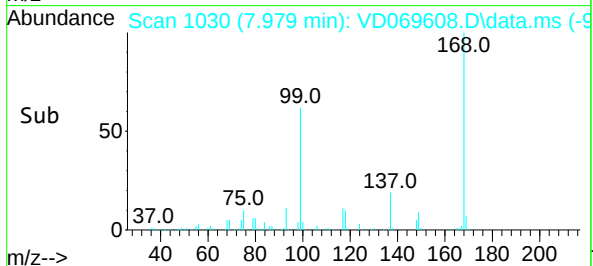


#38
Carbon Tetrachloride
Concen: 5.192 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

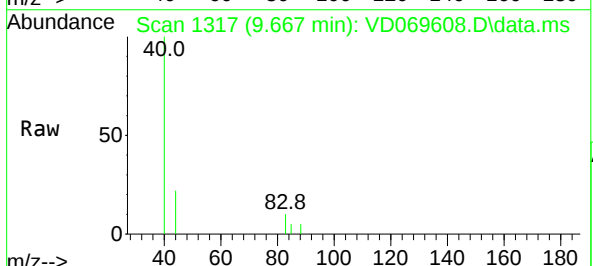
Instrument :
MSVOA_D
ClientSampled :



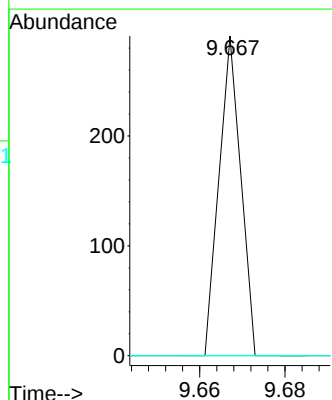
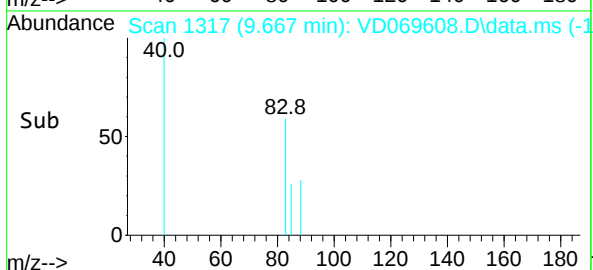
Tgt Ion:117 Resp: 48085
Ion Ratio Lower Upper
117 100
119 5.9 75.6 113.4#
121 0.0 23.8 35.8#

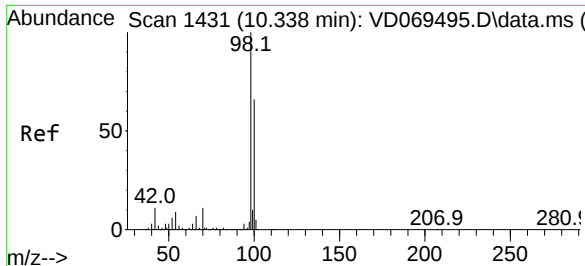


#49
1,4-Dioxane
Concen: 2.883 ug/l
RT: 9.667 min Scan# 1317
Delta R.T. 0.206 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08



Tgt Ion: 88 Resp: 103
Ion Ratio Lower Upper
88 100
43 0.0 26.5 39.7#
58 0.0 56.0 84.0#

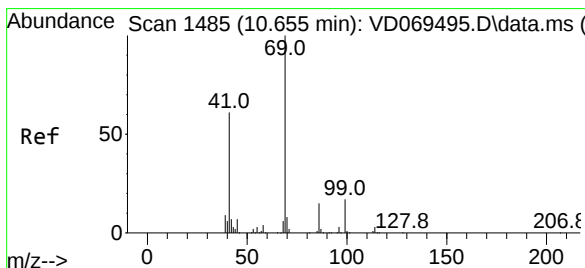
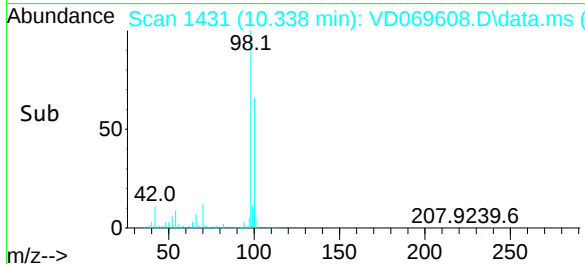
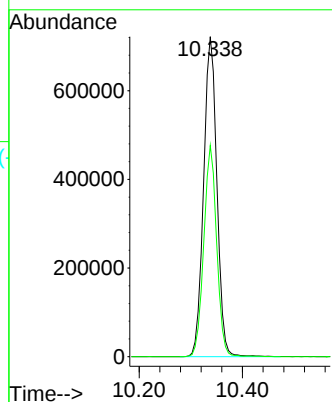
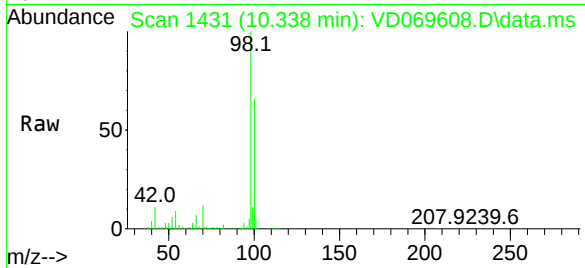




#50
Toluene-d8
Concen: 53.266 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

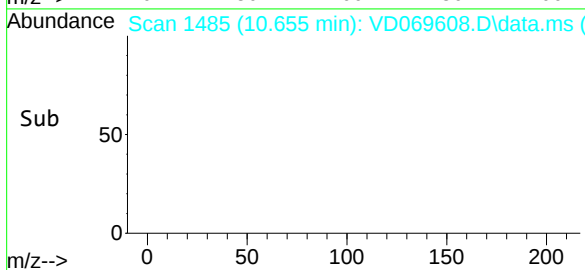
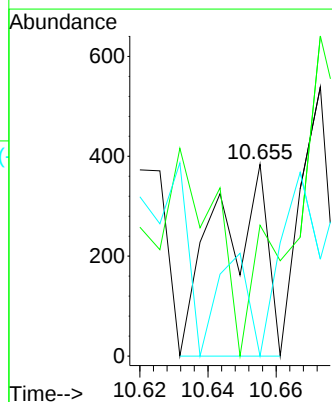
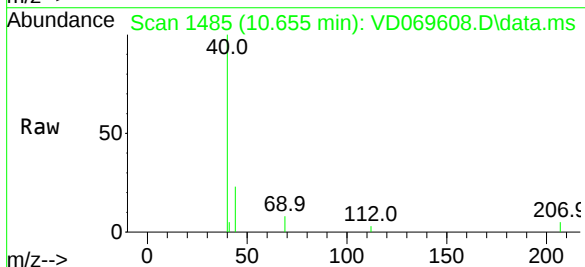
Instrument :
MSVOA_D
ClientSampled :

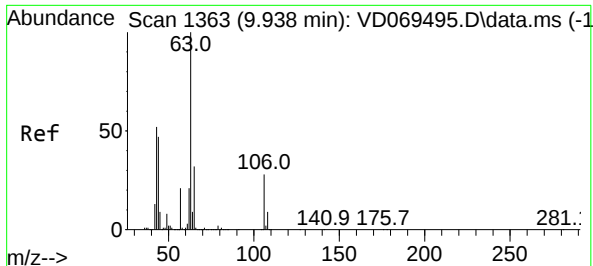
Tgt Ion: 98 Resp: 1287710
Ion Ratio Lower Upper
98 100
100 64.0 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.642 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion: 69 Resp: 388
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 18.8 26.9 40.3#

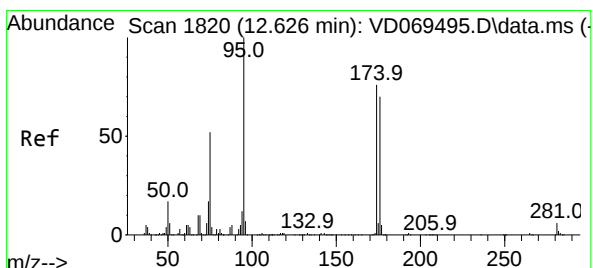
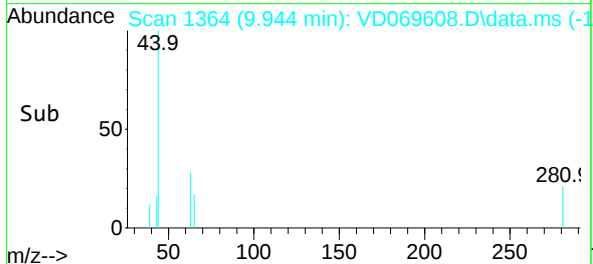
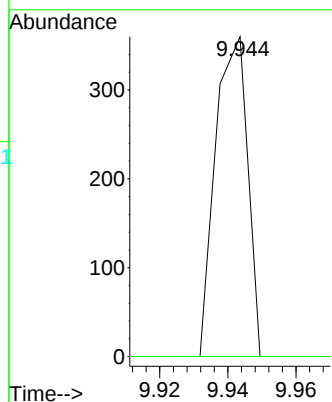
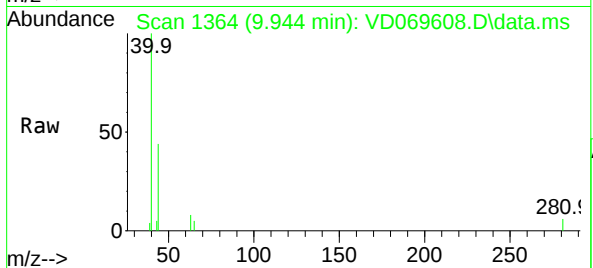




#58
2-Chloroethyl Vinyl ether
Concen: 10.672 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

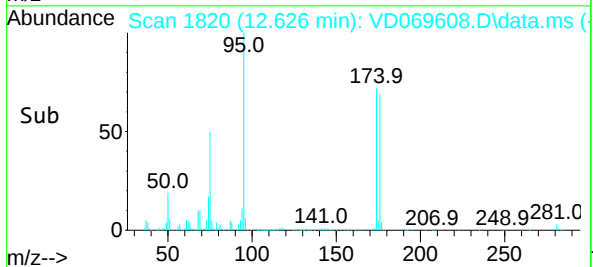
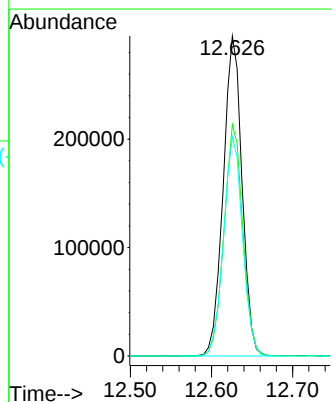
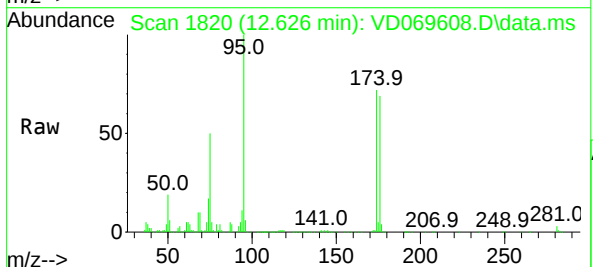
Instrument :
MSVOA_D
ClientSampled :

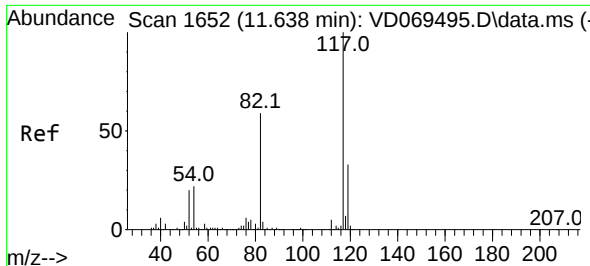
Tgt Ion: 63 Resp: 235
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 59.699 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion: 95 Resp: 474475
Ion Ratio Lower Upper
95 100
174 72.8 0.0 148.0
176 69.3 0.0 139.8

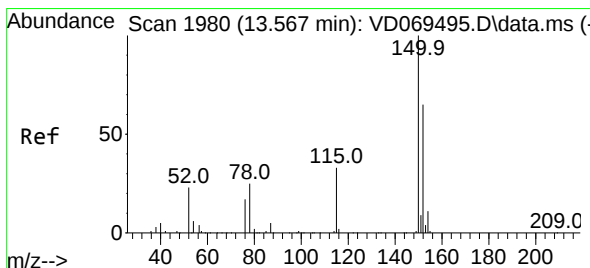
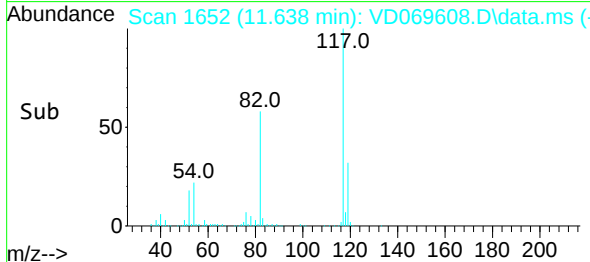
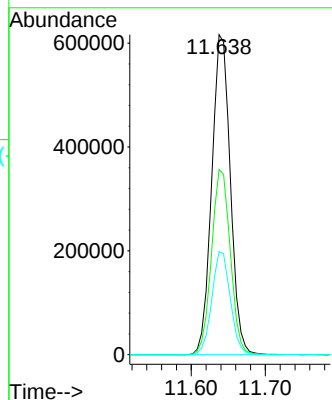
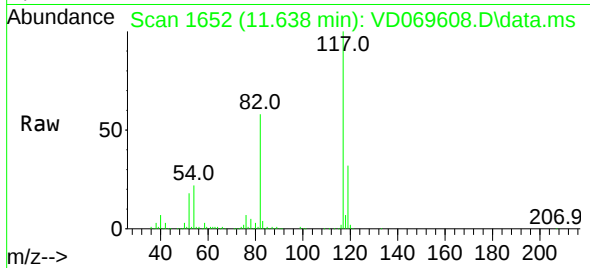




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

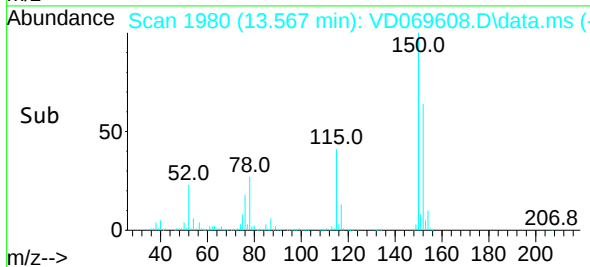
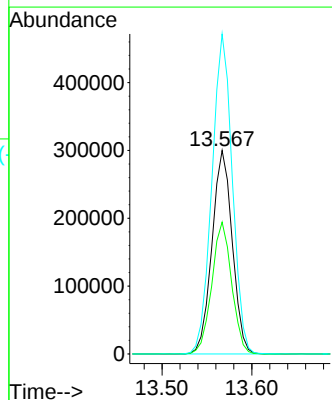
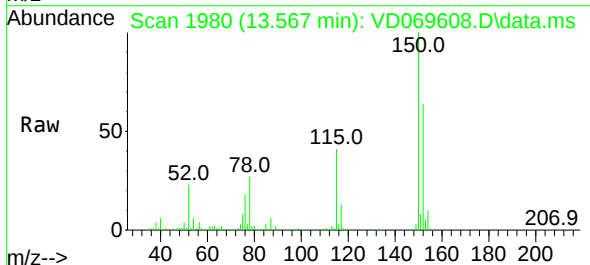
Instrument :
MSVOA_D
ClientSampleId :

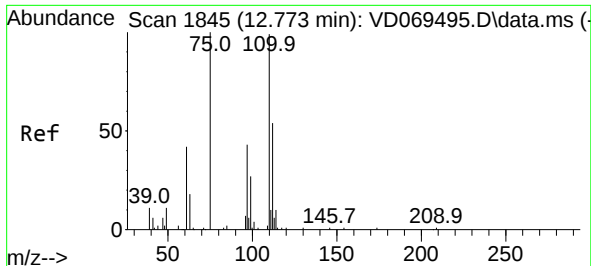
Tgt Ion:117 Resp: 1074489
Ion Ratio Lower Upper
117 100
82 57.9 46.8 70.2
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion:152 Resp: 470393
Ion Ratio Lower Upper
152 100
115 63.5 31.7 95.1
150 158.2 0.0 350.8

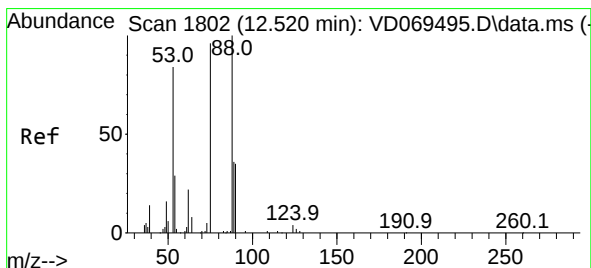
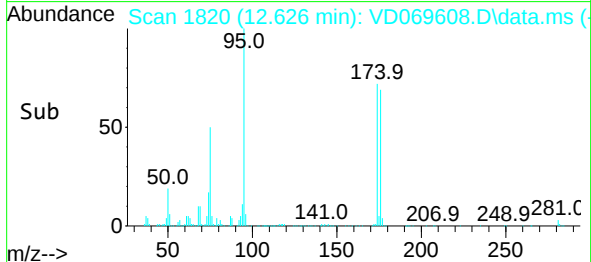
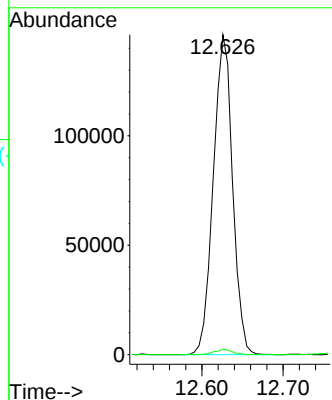
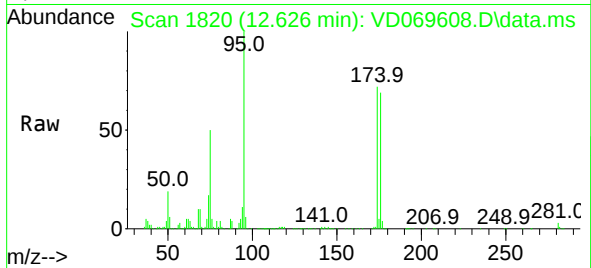




#76
1,2,3-Trichloropropane
Concen: 52.191 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

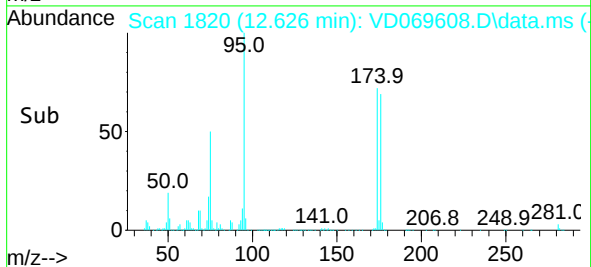
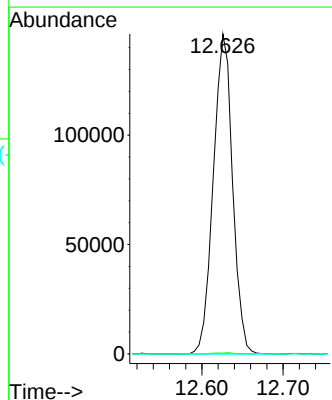
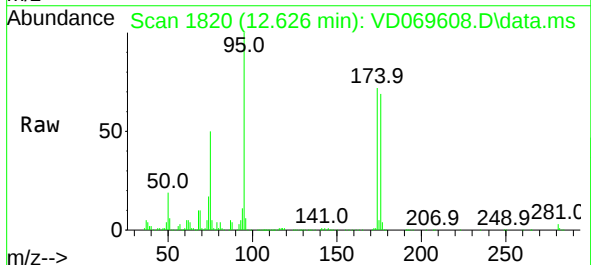
Instrument :
MSVOA_D
ClientSampled :

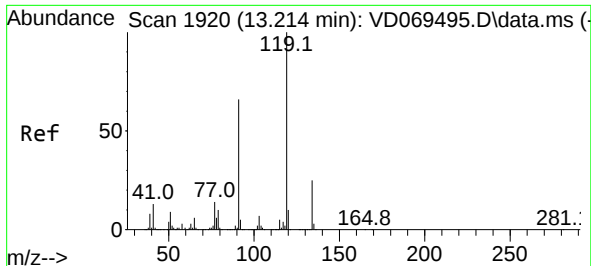
Tgt Ion: 75 Resp: 240992
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.314 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion: 75 Resp: 240992
Ion Ratio Lower Upper
75 100
53 0.4 74.6 112.0#
89 0.0 35.3 52.9#

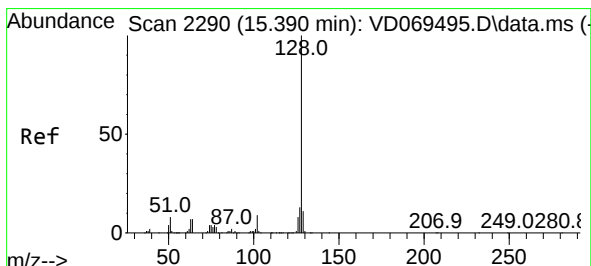
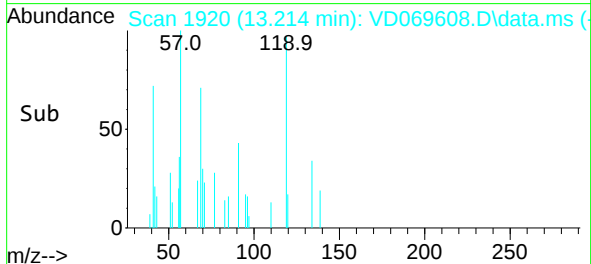
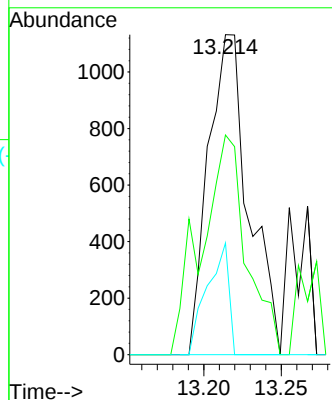
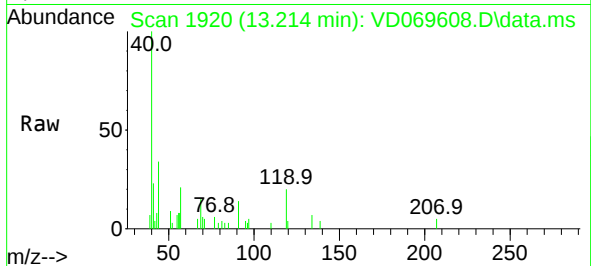




#83
tert-Butylbenzene
Concen: 2.073 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	119	Resp:	2050
Ion	Ratio	Lower	Upper
119	100		
91	76.4	32.5	97.4
134	18.8	12.9	38.7



#95
Naphthalene
Concen: 3.415 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069608.D
Acq: 07 Jul 2021 15:08

Tgt Ion:	128	Resp:	947
Ion	Ratio	Lower	Upper
128	100		
127	22.1	10.6	16.0#
129	6.2	8.7	13.1#

