

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069631.D
 Acq On : 08 Jul 2021 16:07
 Operator : VA/SY
 Sample : M2969-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:03:50 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)

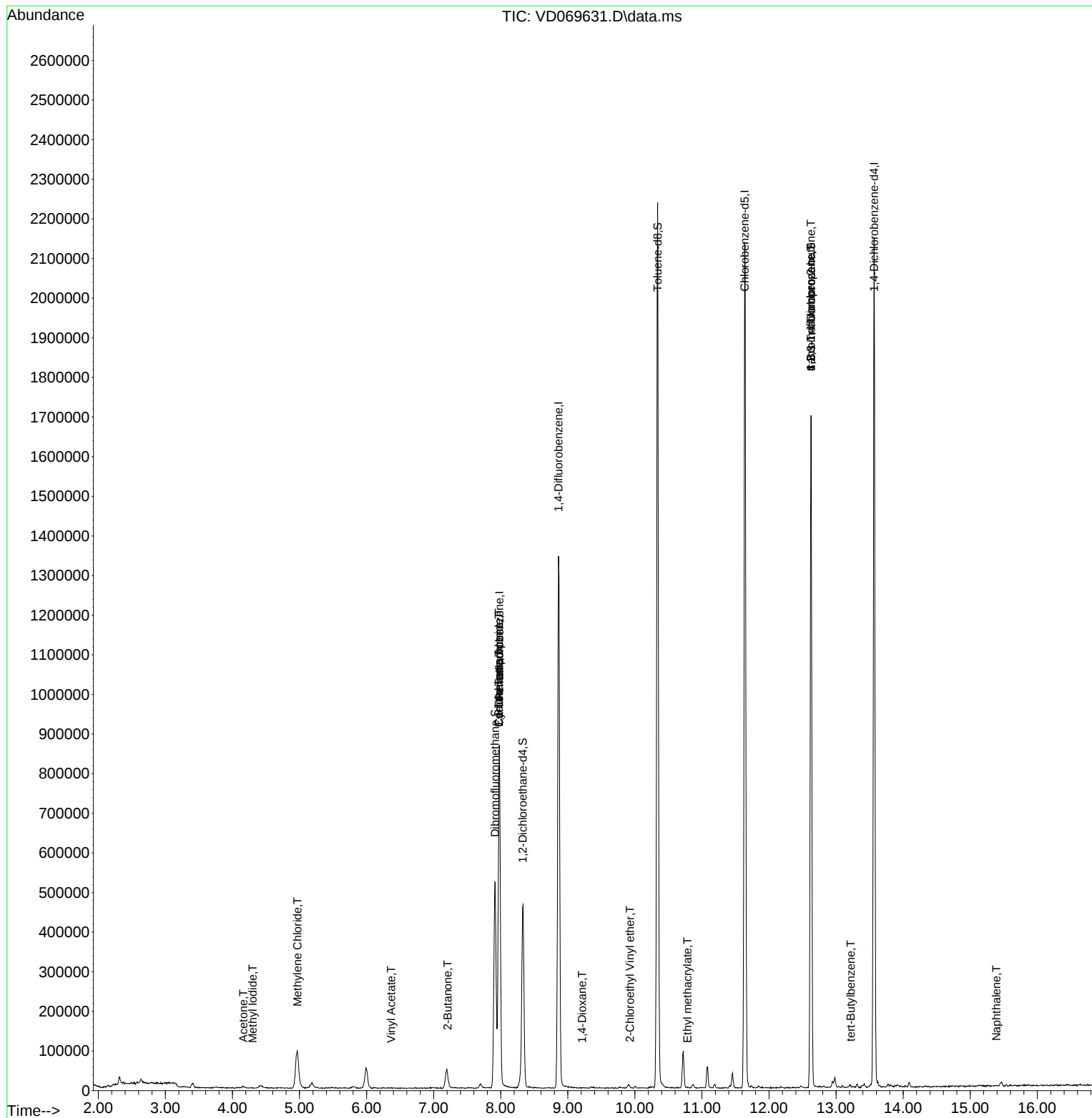
Internal Standards						
1) Pentafluorobenzene	7.979	168	591633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1143799	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1247530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	543793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	369870	50.155	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.300%	
35) Dibromofluoromethane	7.914	113	385814	49.899	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.800%	
50) Toluene-d8	10.338	98	1502982	51.824	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.640%	
62) 4-Bromofluorobenzene	12.626	95	559282	58.659	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.320%	
Target Compounds						Qvalue
5) Bromomethane	2.768	94	1948	Below Cal		98
10) Methyl Iodide	4.303	142	543	4.021 ug/l	#	90
11) Tert butyl alcohol	5.185	59	11744	Below Cal	#	88
16) Acetone	4.162	43	3707	2.986 ug/l	#	73
18) Methyl Acetate	4.703	43	665	Below Cal	#	49
20) Methylene Chloride	4.967	84	76071	3.723 ug/l		96
23) Vinyl Acetate	6.367	43	298	19.037 ug/l	#	70
25) 2-Butanone	7.209	43	3586	2.273 ug/l	#	87
31) Cyclohexane	7.973	56	14890	1.500 ug/l	#	1
36) 1,1-Dichloropropene	7.973	75	54892	4.890 ug/l	#	51
38) Carbon Tetrachloride	7.973	117	64396	5.796 ug/l	#	17
49) 1,4-Dioxane	9.214	88	58	1.353 ug/l	#	23
56) Ethyl methacrylate	10.785	69	107	2.595 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	9.926	63	142	10.636 ug/l	#	47
76) 1,2,3-Trichloropropane	12.626	75	276759	51.847 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	276759	129.454 ug/l	#	12
83) tert-Butylbenzene	13.220	119	1017	2.027 ug/l	#	69
95) Naphthalene	15.390	128	700	3.393 ug/l	#	69

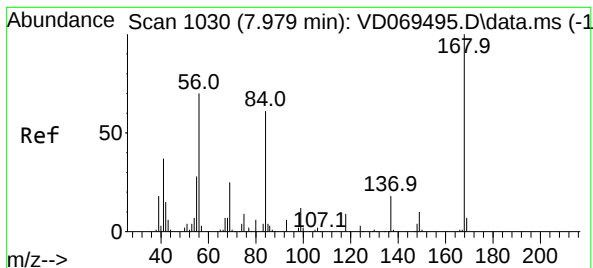
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

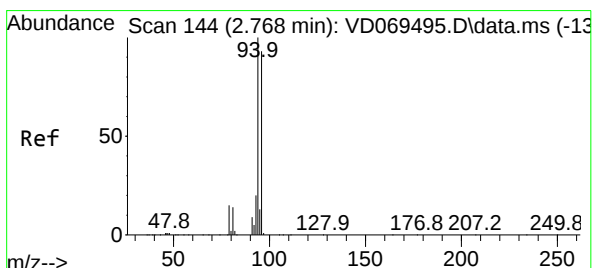
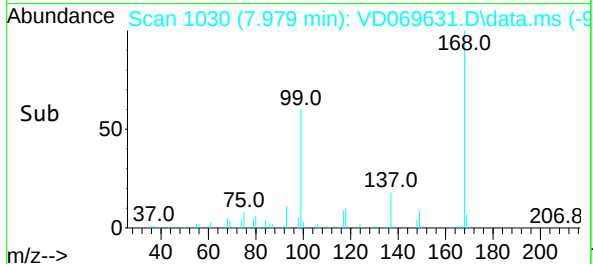
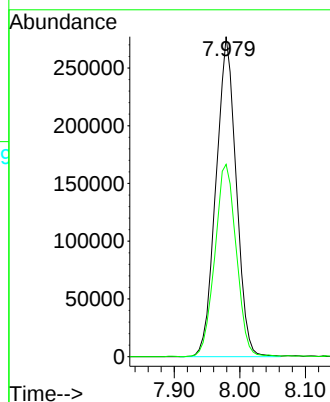
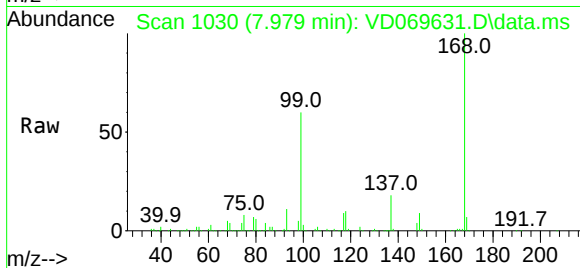
Lab File: VD069631.D

Acq: 08 Jul 2021 16:07

Tgt Ion:168 Resp: 591633

Ion Ratio Lower Upper

168 100
99 60.1 49.3 73.9



#5

Bromomethane

Concen: Below Cal

RT: 2.768 min Scan# 144

Delta R.T. -0.000 min

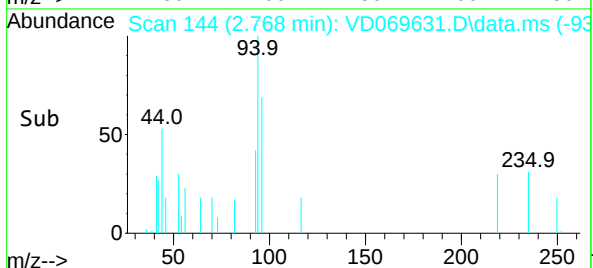
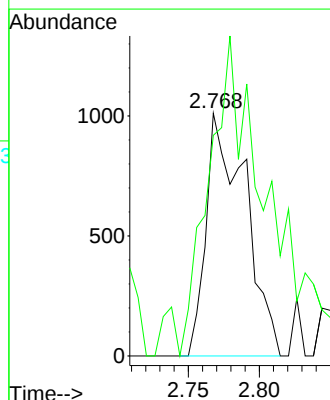
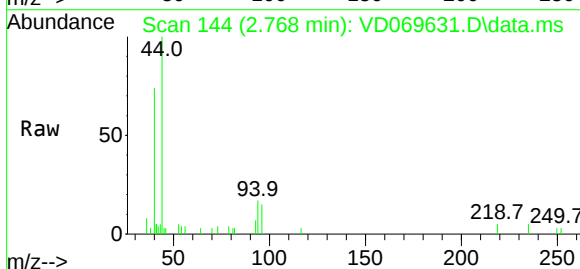
Lab File: VD069631.D

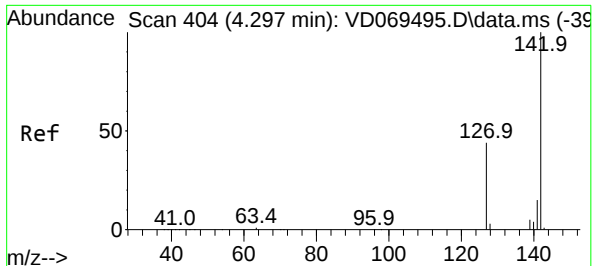
Acq: 08 Jul 2021 16:07

Tgt Ion: 94 Resp: 1948

Ion Ratio Lower Upper

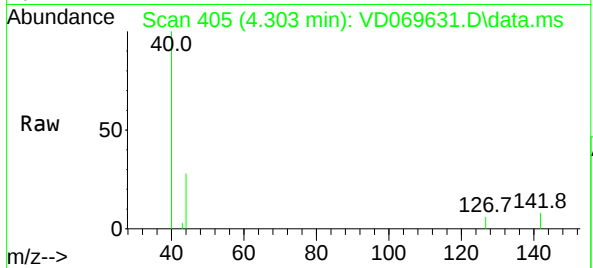
94 100
96 90.9 74.6 111.8



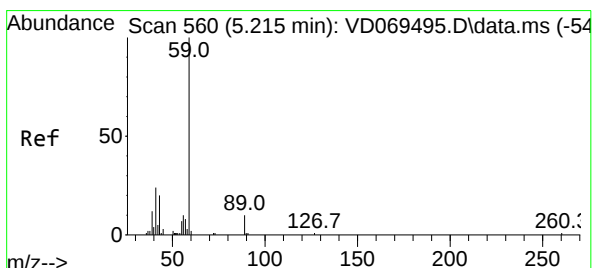
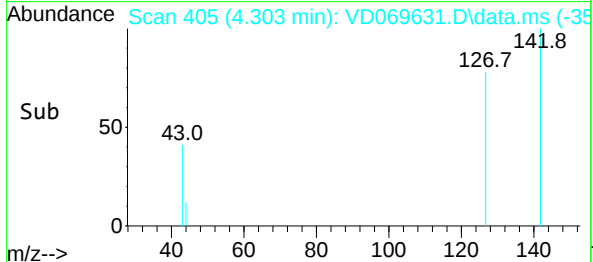
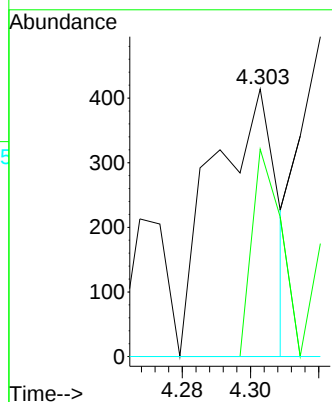


#10
Methyl Iodide
Concen: 4.021 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Instrument :
MSVOA_D
ClientSampled :

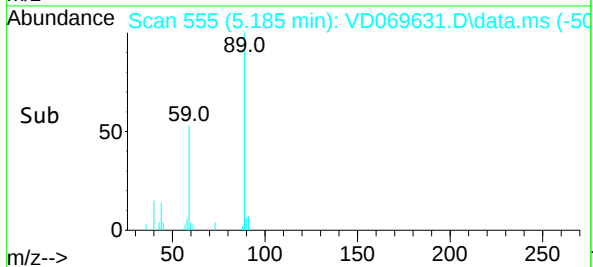
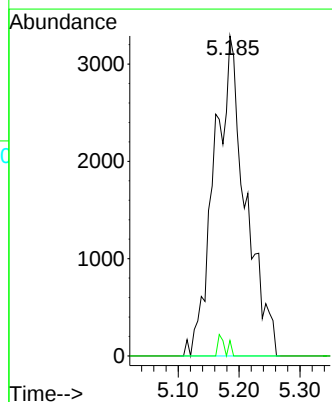
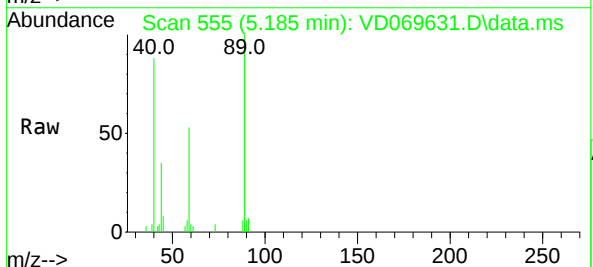


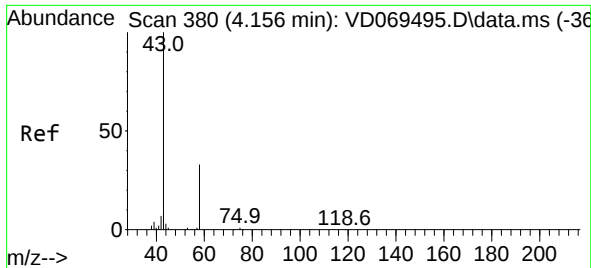
Tgt Ion:142 Resp: 543
Ion Ratio Lower Upper
142 100
127 46.2 36.5 54.7
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion: 59 Resp: 11744
Ion Ratio Lower Upper
59 100
57 1.6 4.6 7.0#

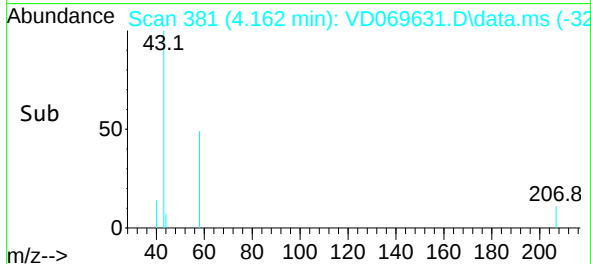
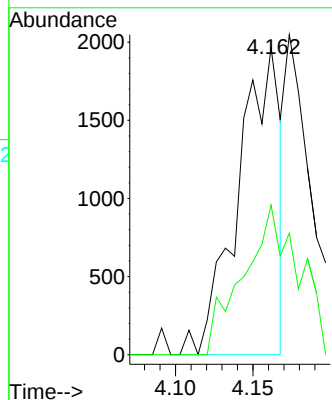
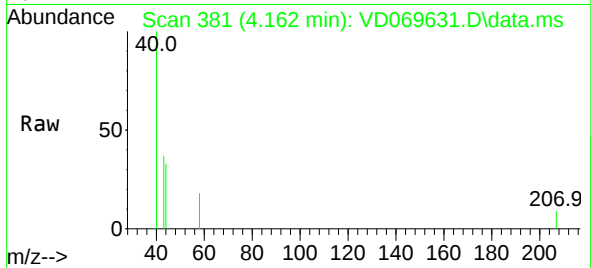




#16
Acetone
Concen: 2.986 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

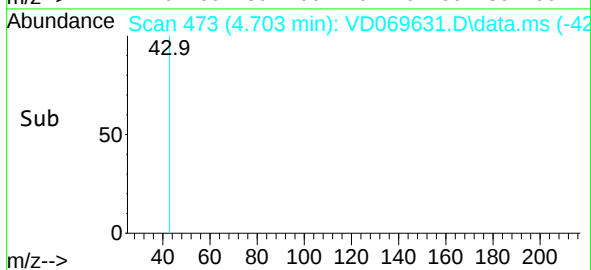
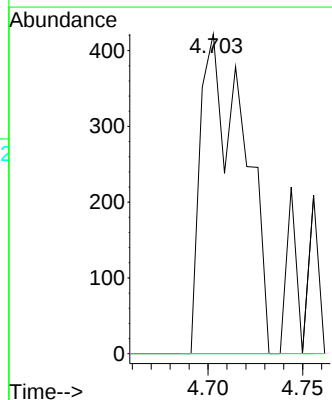
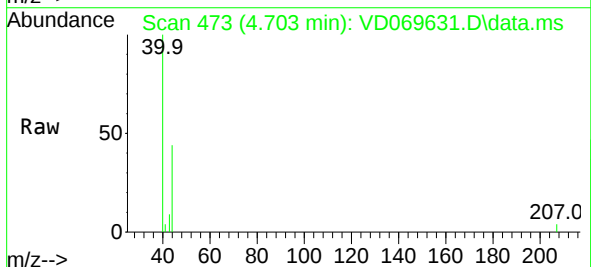
Instrument :
MSVOA_D
ClientSampled :

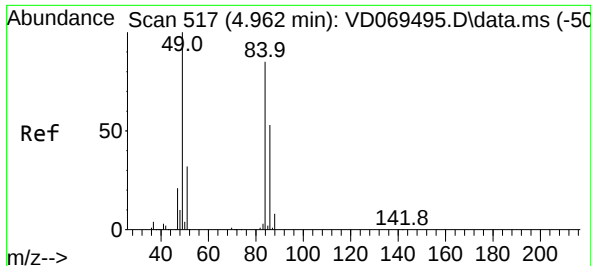
Tgt Ion: 43 Resp: 3707
Ion Ratio Lower Upper
43 100
58 48.7 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.703 min Scan# 473
Delta R.T. -0.017 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

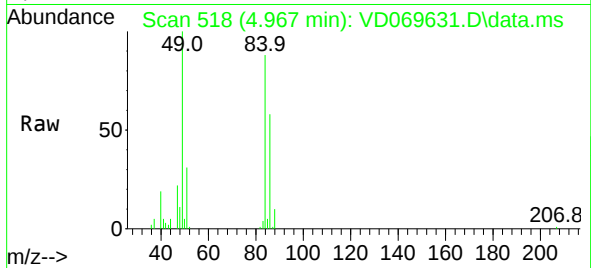
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



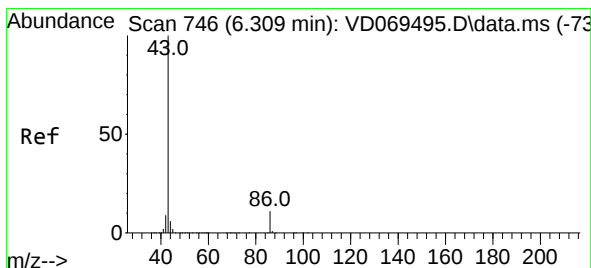
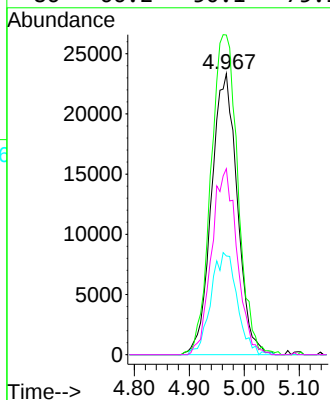
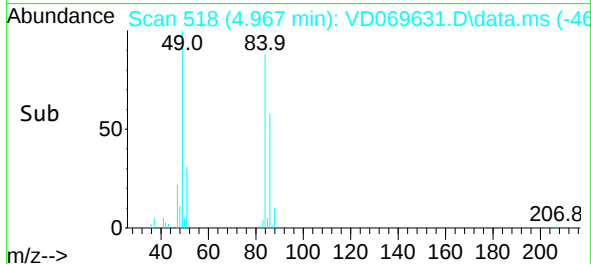


#20
Methylene Chloride
Concen: 3.723 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

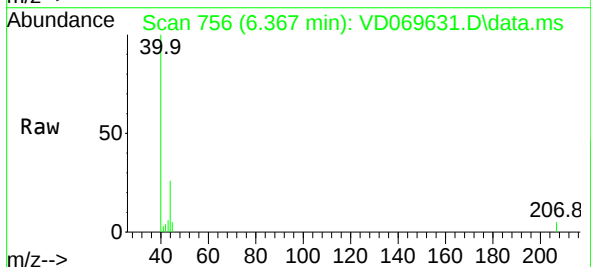
Instrument :
MSVOA_D
ClientSampleId :



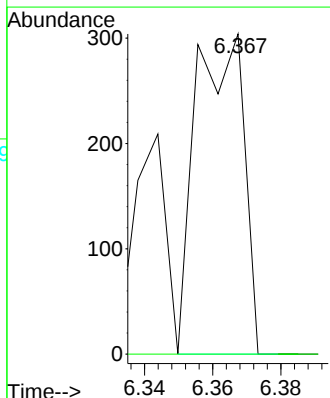
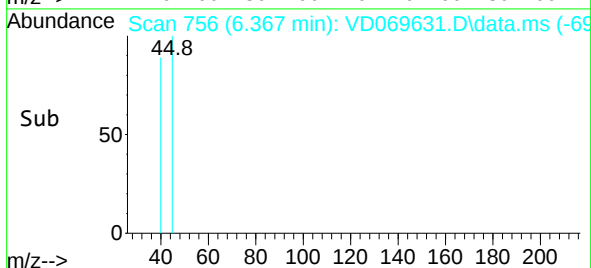
Tgt Ion:	84	Resp:	76071
Ion	Ratio	Lower	Upper
84	100		
49	113.8	94.0	141.0
51	35.1	29.7	44.5
86	66.2	50.1	75.1

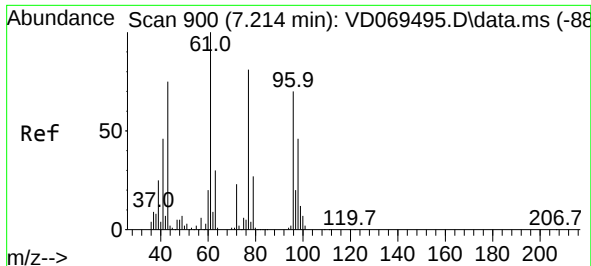


#23
Vinyl Acetate
Concen: 19.037 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.058 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07



Tgt Ion:	43	Resp:	298
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

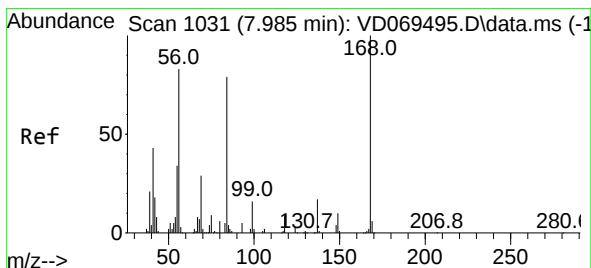
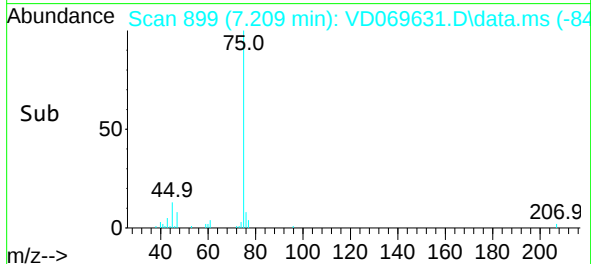
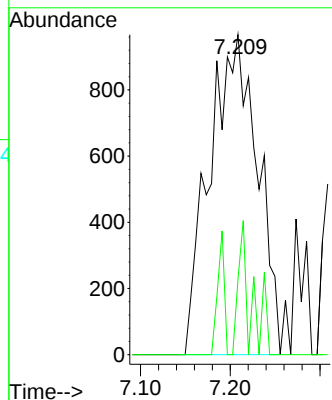
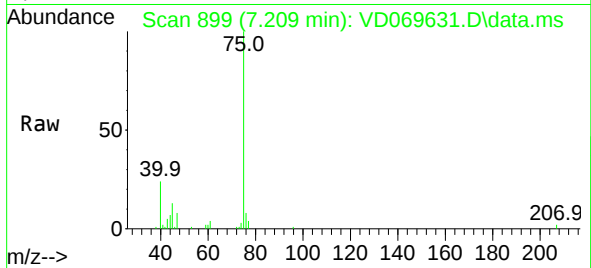




#25
2-Butanone
Concen: 2.273 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

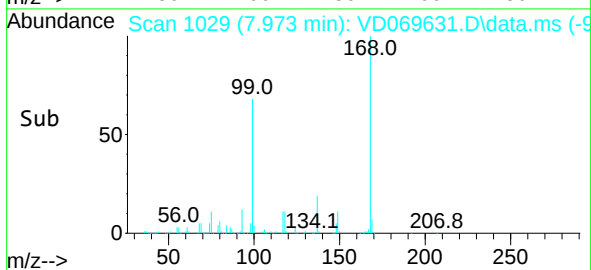
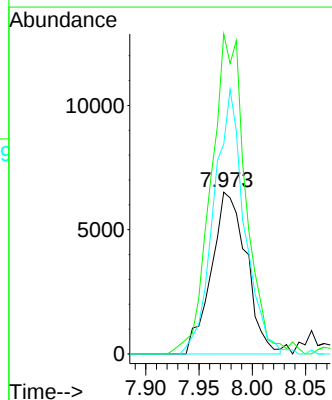
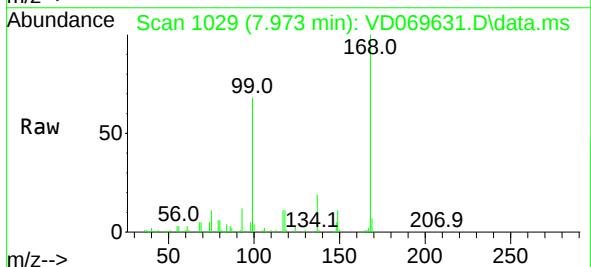
Instrument :
MSVOA_D
ClientSampled :

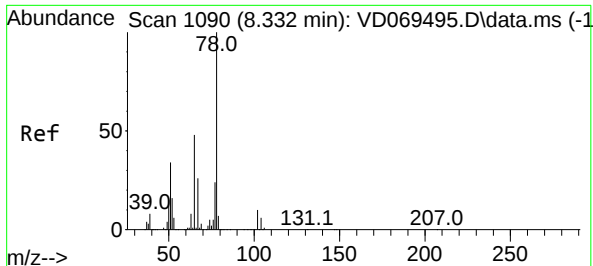
Tgt Ion: 43 Resp: 3586
Ion Ratio Lower Upper
43 100
72 23.5 24.3 36.5#



#31
Cyclohexane
Concen: 1.500 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion: 56 Resp: 14890
Ion Ratio Lower Upper
56 100
69 192.0 28.0 42.0#
84 129.6 75.7 113.5#

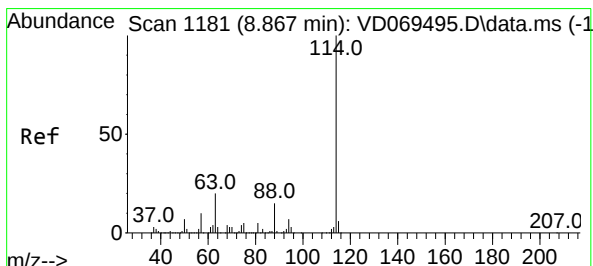
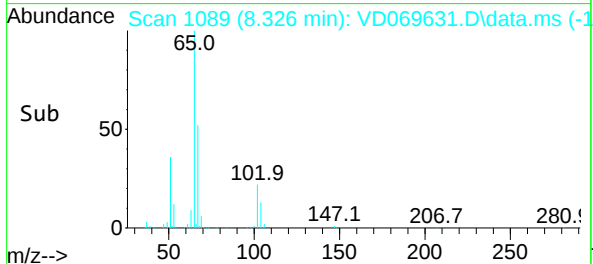
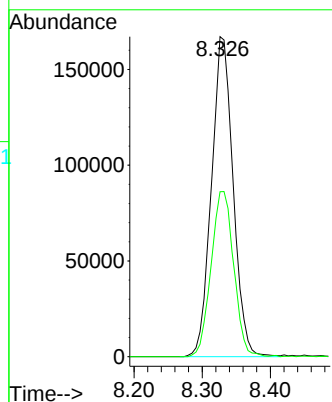
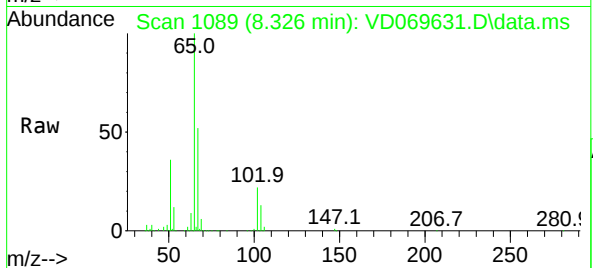




#33
1,2-Dichloroethane-d4
Concen: 50.155 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

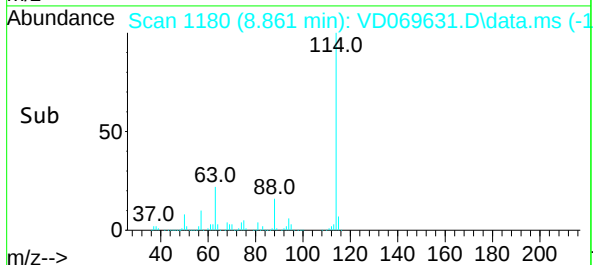
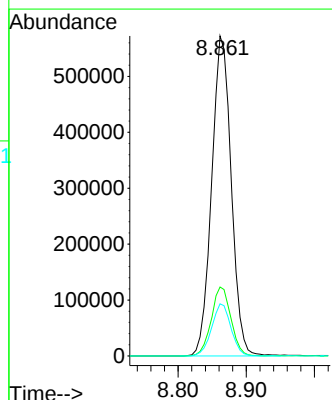
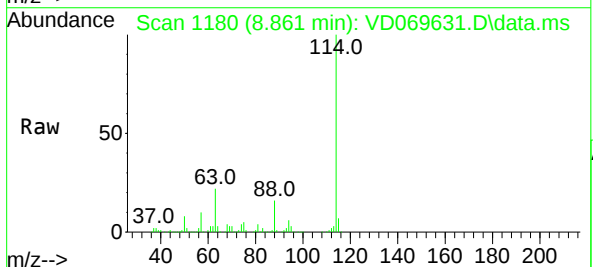
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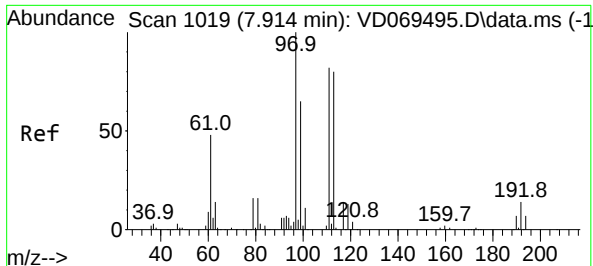
Tgt Ion: 65 Resp: 369870
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion: 114 Resp: 1143799
Ion Ratio Lower Upper
114 100
63 21.6 0.0 39.6
88 16.3 0.0 29.8





#35

Dibromofluoromethane

Concen: 49.899 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069631.D

Acq: 08 Jul 2021 16:07

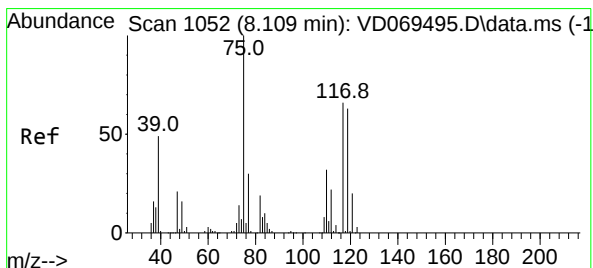
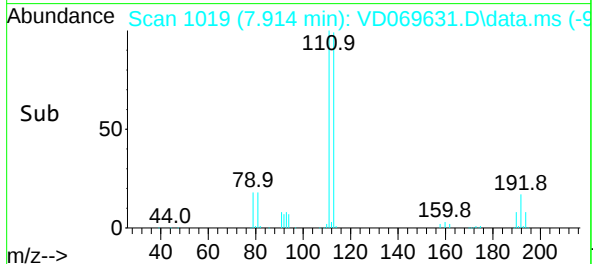
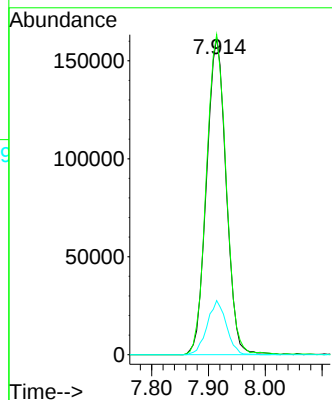
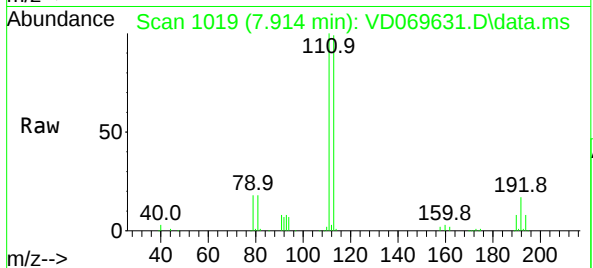
Tgt Ion:113 Resp: 385814

Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.8

192 16.8 13.8 20.6



#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069631.D

Acq: 08 Jul 2021 16:07

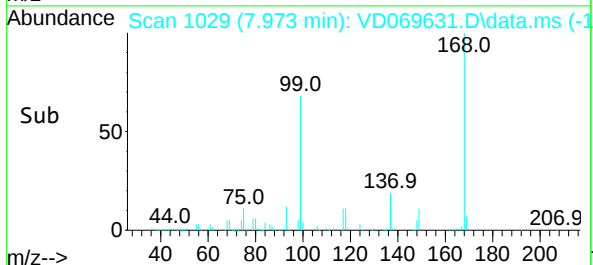
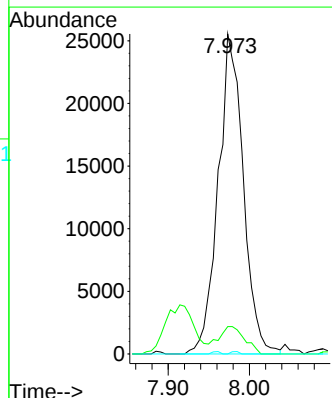
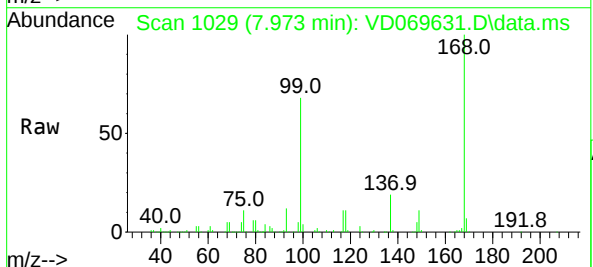
Tgt Ion: 75 Resp: 54892

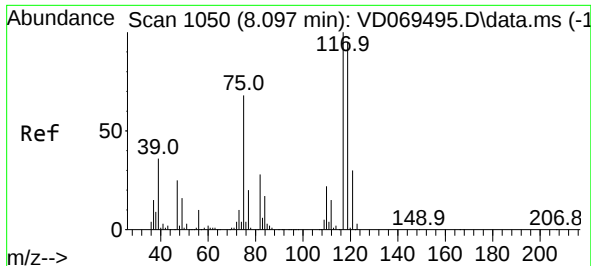
Ion Ratio Lower Upper

75 100

110 8.9 16.8 50.4#

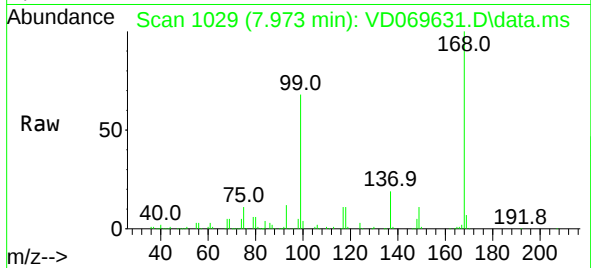
77 0.2 24.3 36.5#



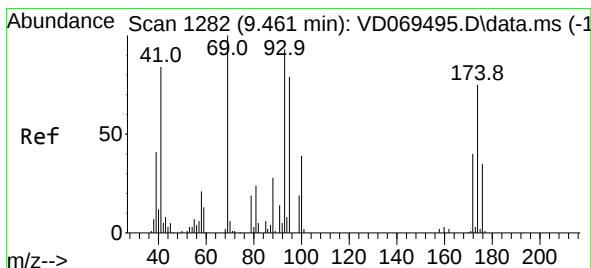
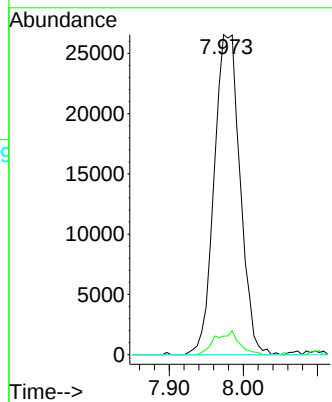
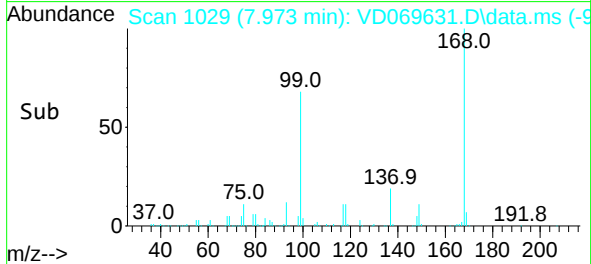


#38
Carbon Tetrachloride
Concen: 5.796 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

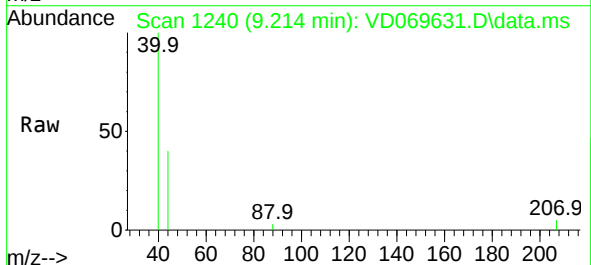
Instrument :
MSVOA_D
ClientSampleId :



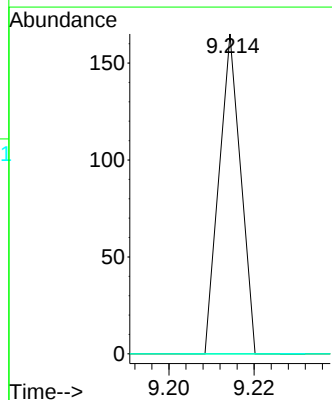
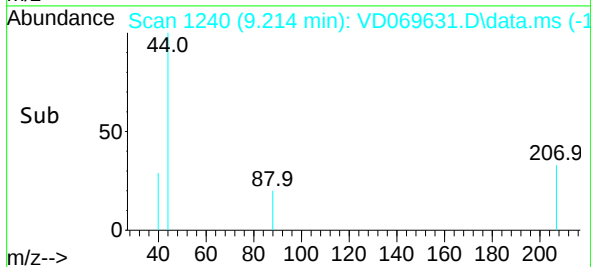
Tgt Ion:117 Resp: 64396
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 23.8 35.8#

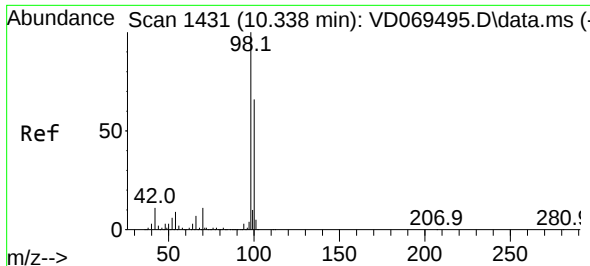


#49
1,4-Dioxane
Concen: 1.353 ug/l
RT: 9.214 min Scan# 1240
Delta R.T. -0.247 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07



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

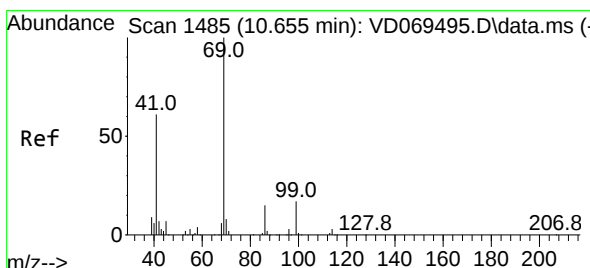
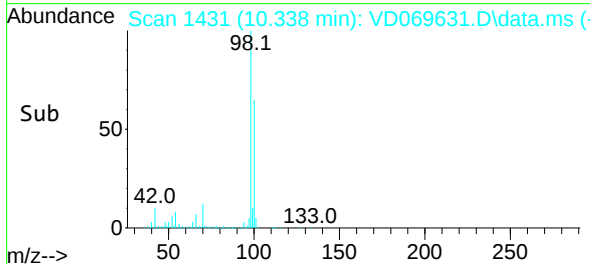
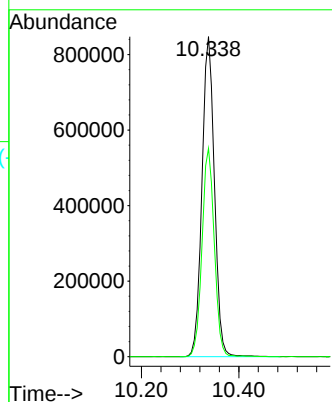
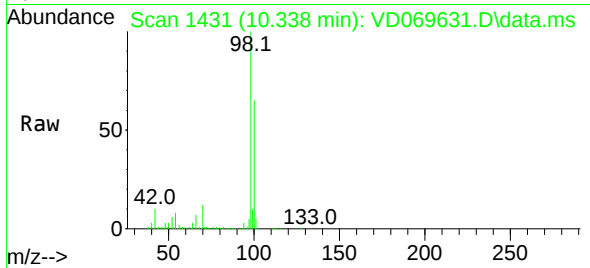




#50
Toluene-d8
Concen: 51.824 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

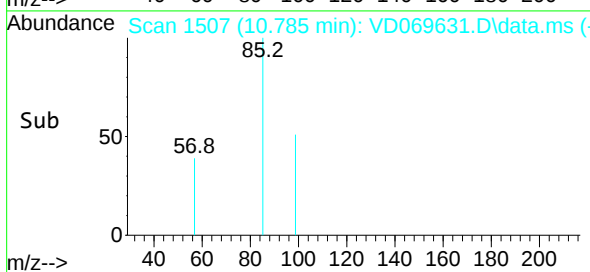
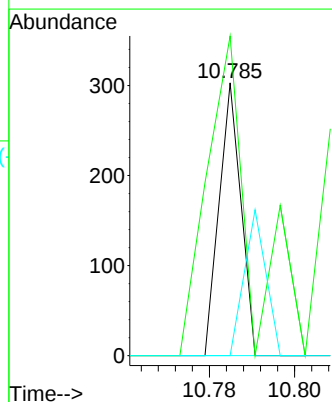
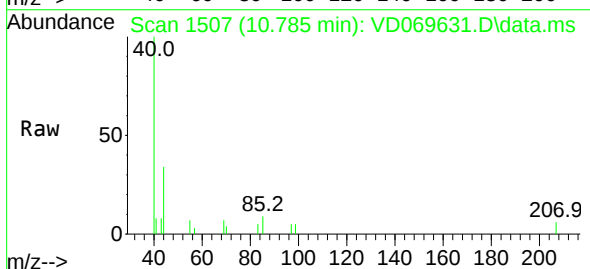
Instrument :
MSVOA_D
ClientSampled :

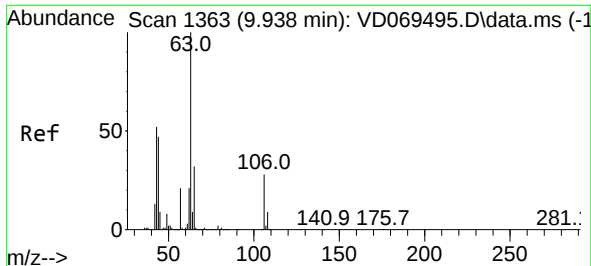
Tgt Ion: 98 Resp: 1502982
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#56
Ethyl methacrylate
Concen: 2.595 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. 0.130 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion: 69 Resp: 107
Ion Ratio Lower Upper
69 100
41 235.5 49.4 74.0#
39 53.3 26.9 40.3#

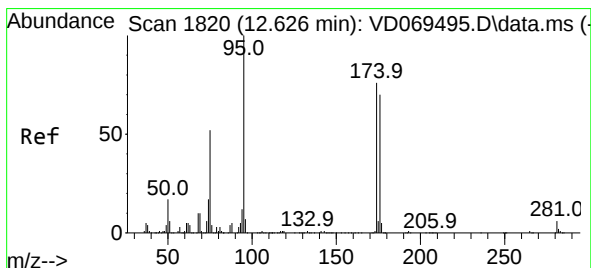
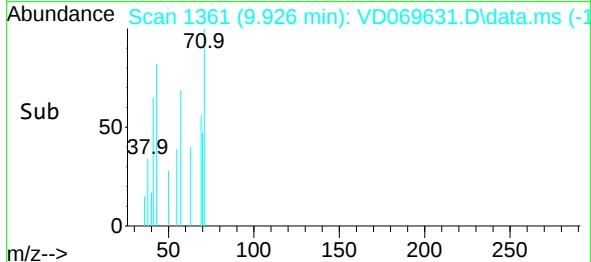
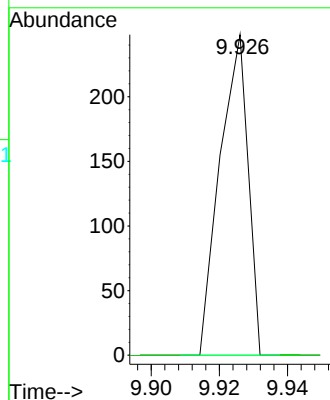
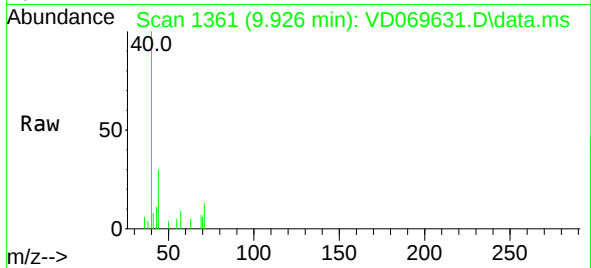




#58
2-Chloroethyl Vinyl ether
Concen: 10.636 ug/l
RT: 9.926 min Scan# 1361
Delta R.T. -0.012 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

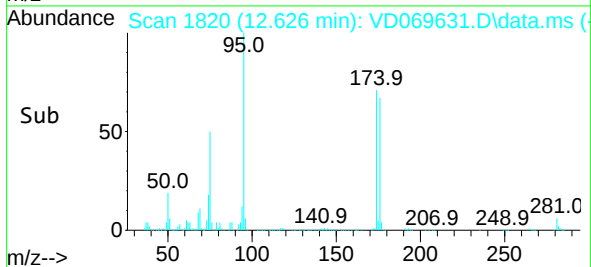
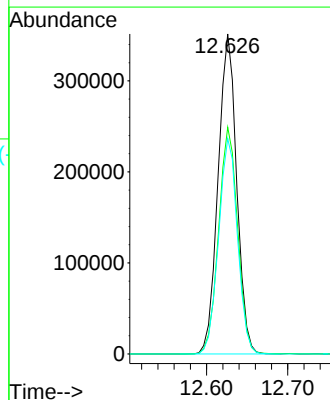
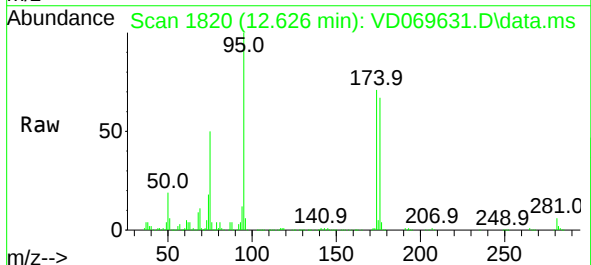
Instrument :
MSVOA_D
ClientSampled :

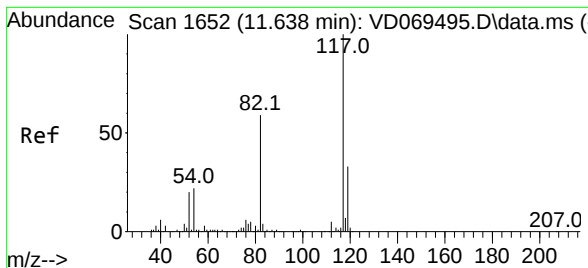
Tgt Ion: 63 Resp: 142
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#



#62
4-Bromofluorobenzene
Concen: 58.659 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion: 95 Resp: 559282
Ion Ratio Lower Upper
95 100
174 72.5 0.0 148.0
176 68.4 0.0 139.8

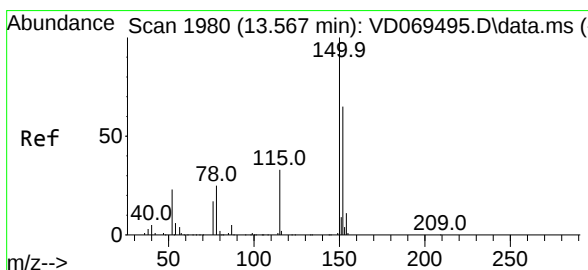
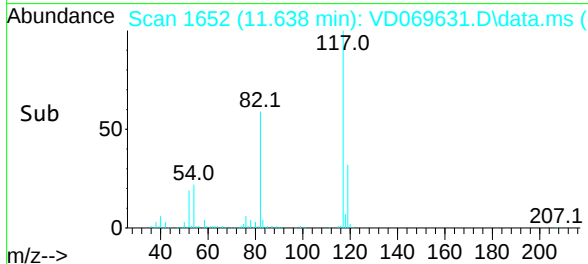
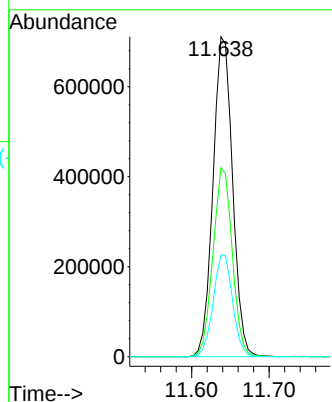
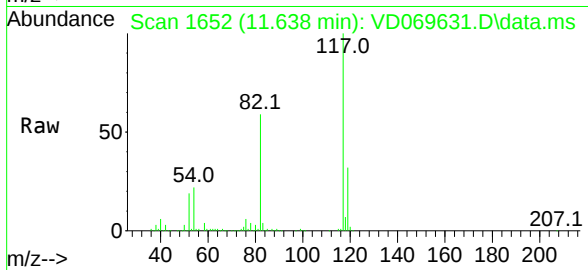




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

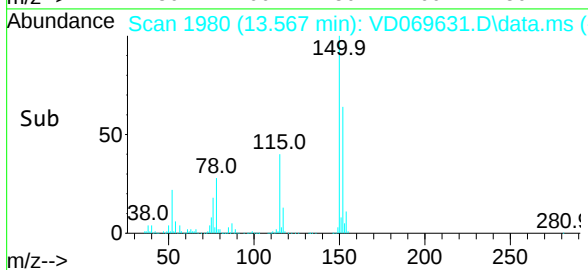
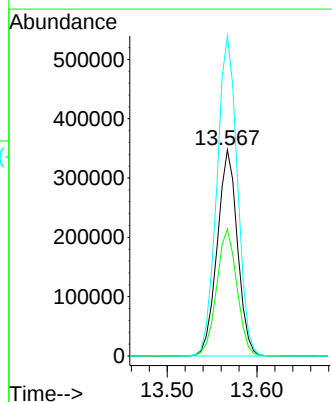
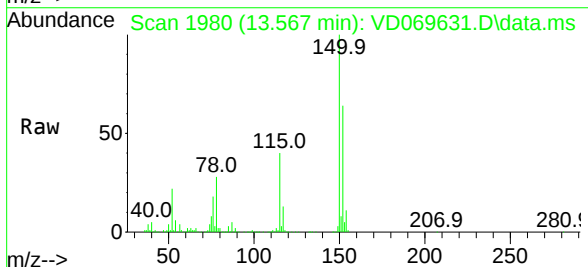
Instrument :
MSVOA_D
ClientSampleId :

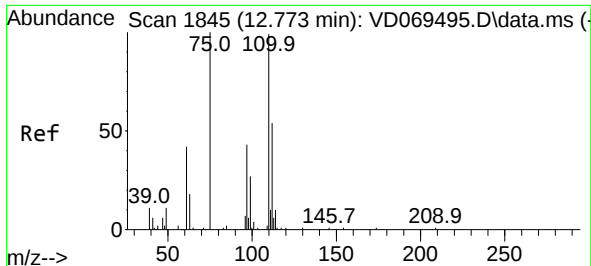
Tgt Ion:117 Resp: 1247530
Ion Ratio Lower Upper
117 100
82 59.0 46.8 70.2
119 31.8 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion:152 Resp: 543793
Ion Ratio Lower Upper
152 100
115 61.8 31.7 95.1
150 157.4 0.0 350.8

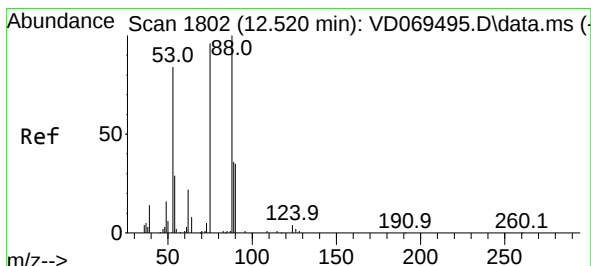
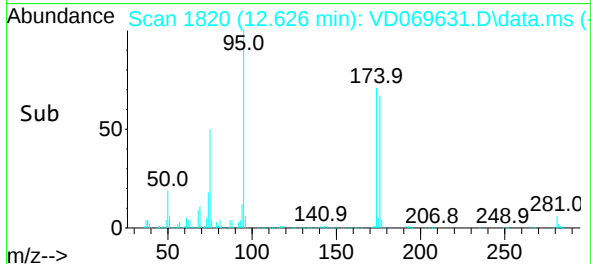
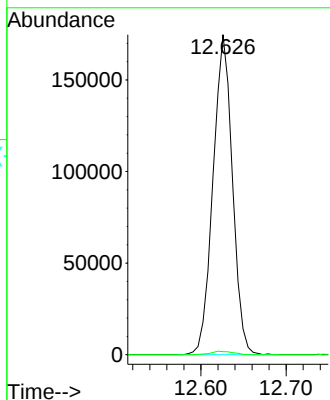
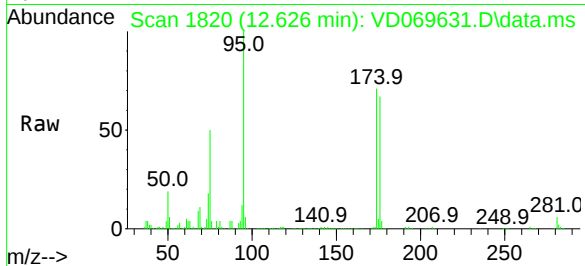




#76
1,2,3-Trichloropropane
Concen: 51.847 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

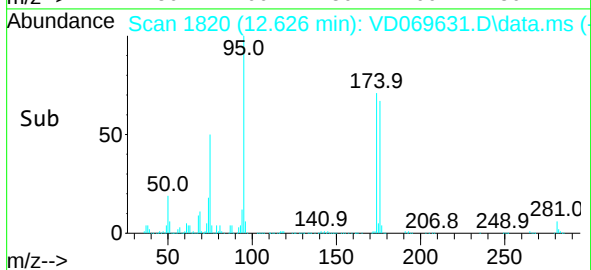
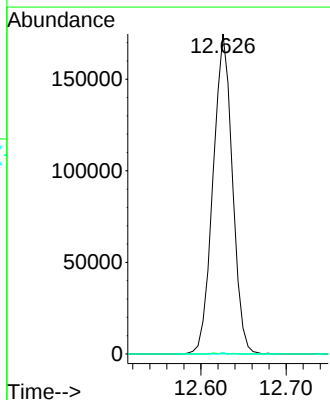
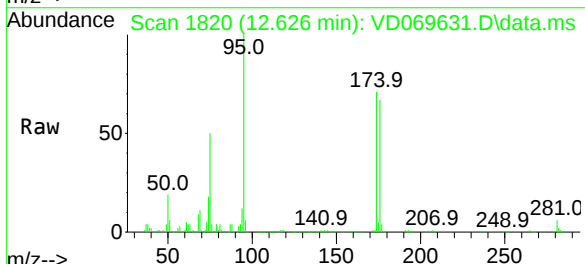
Instrument :
MSVOA_D
ClientSampleId :

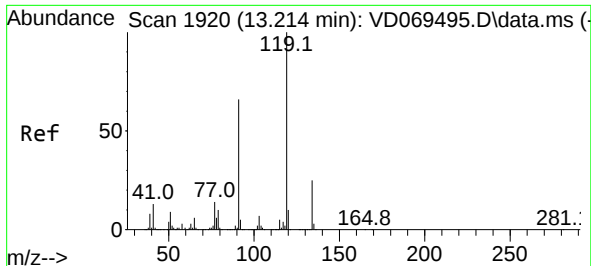
Tgt Ion: 75 Resp: 276759
Ion Ratio Lower Upper
75 100
77 1.2 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.454 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion: 75 Resp: 276759
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.1 35.3 52.9#

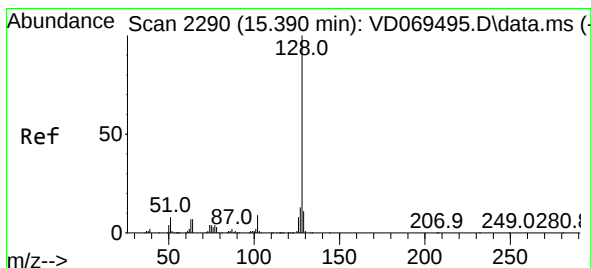
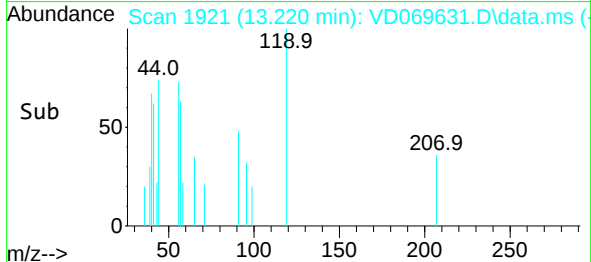
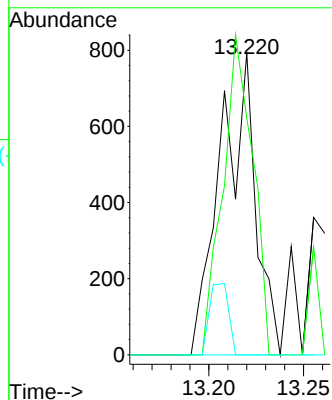
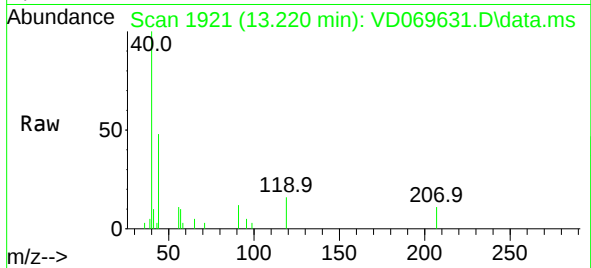




#83
tert-Butylbenzene
Concen: 2.027 ug/l
RT: 13.220 min Scan# 1921
Delta R.T. 0.006 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	1017
Ion	Ratio	Lower	Upper
119	100		
91	91.2	32.5	97.4
134	12.9	12.9	38.7#



#95
Naphthalene
Concen: 3.393 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069631.D
Acq: 08 Jul 2021 16:07

Tgt Ion:	128	Resp:	700
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

