

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070721\
 Data File : VD069619.D
 Acq On : 07 Jul 2021 20:20
 Operator : VA/SY
 Sample : M2963-07
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 08 01:10:03 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)

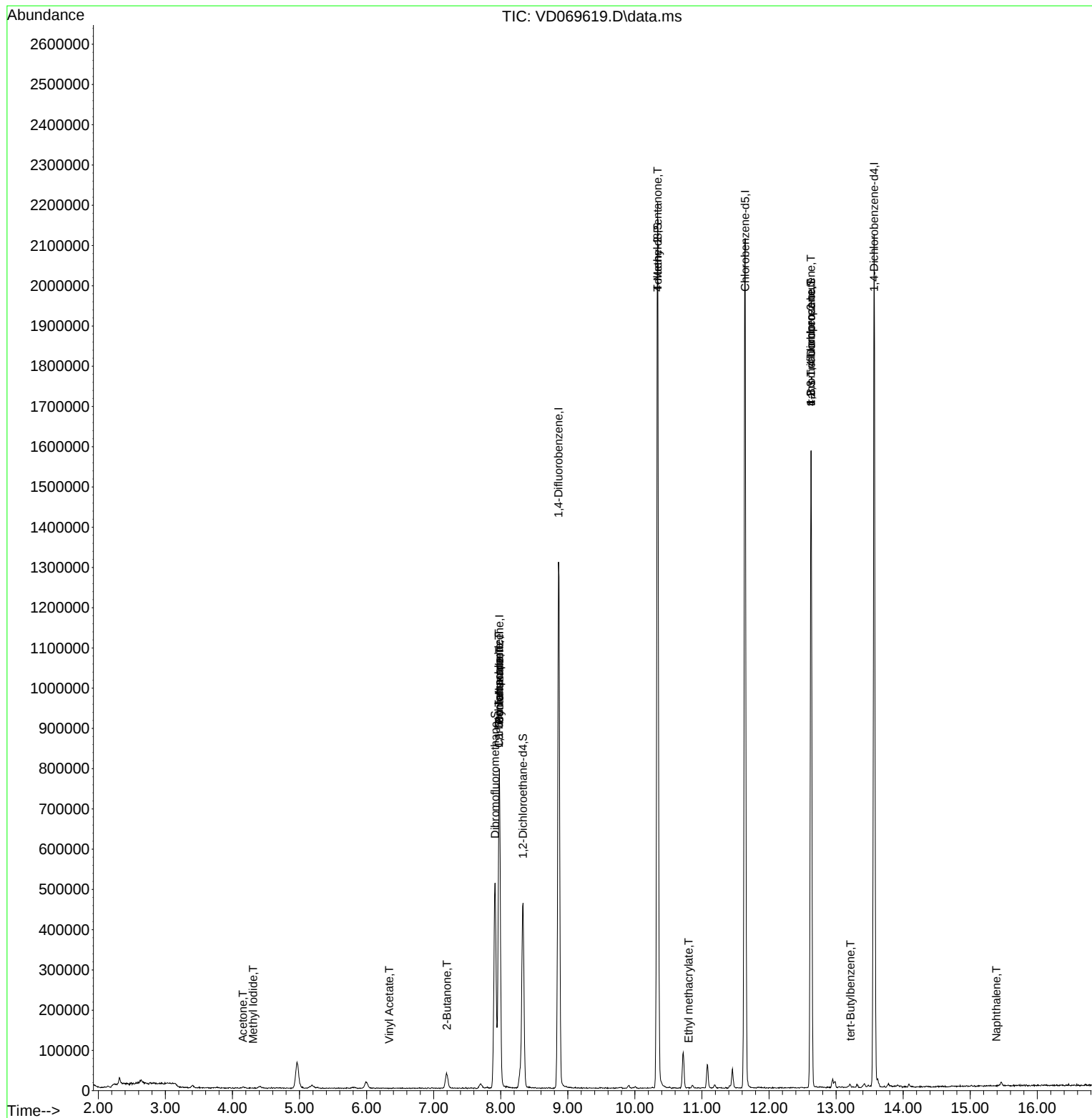
Internal Standards						
1) Pentafluorobenzene	7.979	168	553681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1094644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1209803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	536267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	369383	53.522	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.040%	
35) Dibromofluoromethane	7.914	113	377726	51.047	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.100%	
50) Toluene-d8	10.338	98	1460619	52.625	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.240%	
62) 4-Bromofluorobenzene	12.626	95	533546	58.473	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	1348	Below Cal	#	70
10) Methyl Iodide	4.309	142	115	3.958	ug/l #	39
11) Tert butyl alcohol	5.185	59	7638	Below Cal	#	83
16) Acetone	4.156	43	4410	3.796	ug/l #	73
18) Methyl Acetate	4.738	43	186	Below Cal	#	49
23) Vinyl Acetate	6.338	43	105	19.020	ug/l #	70
25) 2-Butanone	7.197	43	1737	1.177	ug/l #	44
31) Cyclohexane	7.979	56	13826	1.488	ug/l #	11
36) 1,1-Dichloropropene	7.973	75	50669	4.716	ug/l #	51
38) Carbon Tetrachloride	7.973	117	62941	5.920	ug/l #	16
51) 4-Methyl-2-Pentanone	10.338	43	5972	1.568	ug/l #	1
56) Ethyl methacrylate	10.802	69	124	2.598	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	271882	51.648	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	271882	128.958	ug/l #	12
83) tert-Butylbenzene	13.214	119	58	1.994	ug/l #	32
95) Naphthalene	15.390	128	308	3.372	ug/l #	69

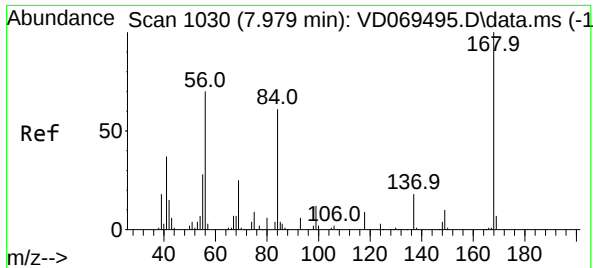
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
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QLast Update : Tue Jun 22 04:33:24 2021
Response via : Initial Calibration

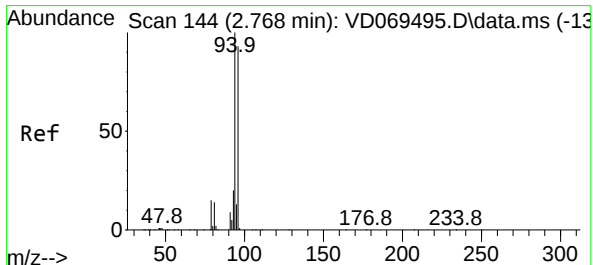
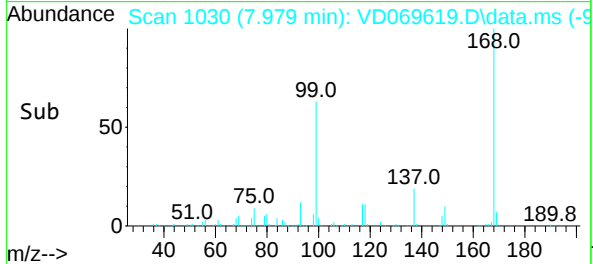
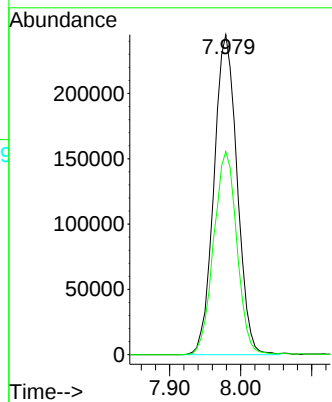
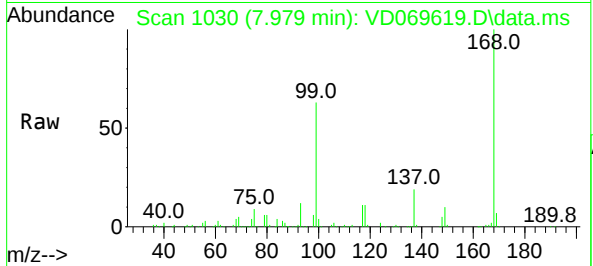




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

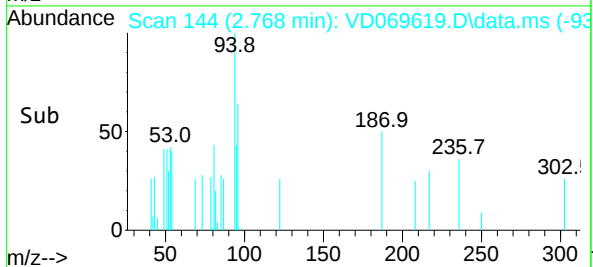
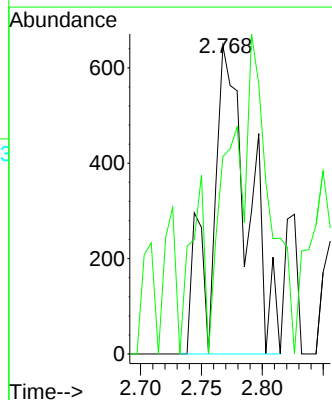
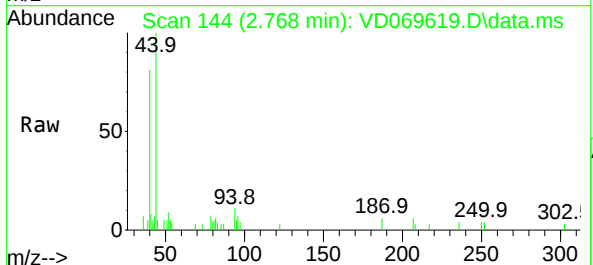
Instrument :
MSVOA_D
ClientSampleId :

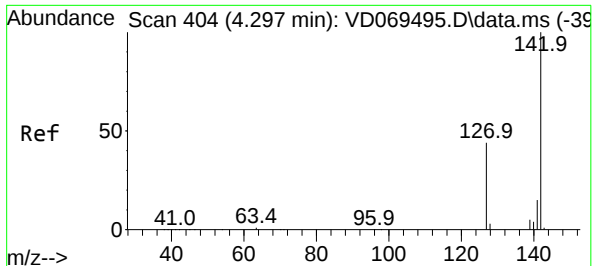
Tgt Ion:168 Resp: 553681
Ion Ratio Lower Upper
168 100
99 63.5 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion: 94 Resp: 1348
Ion Ratio Lower Upper
94 100
96 64.1 74.6 111.8#

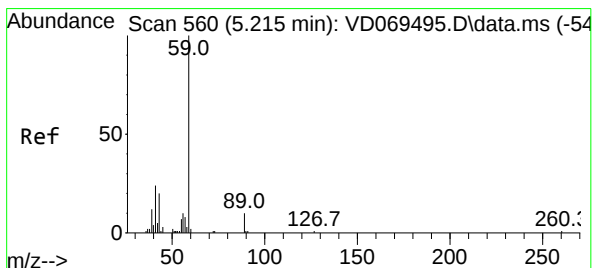
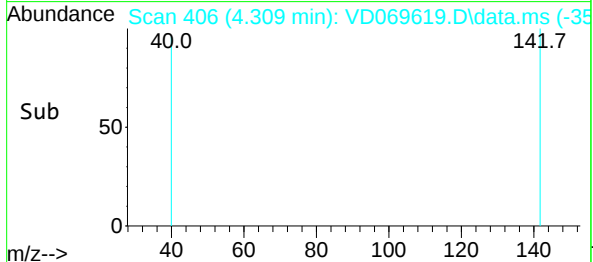
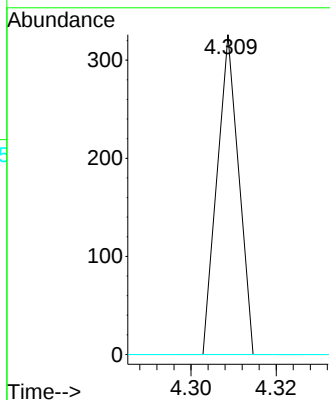
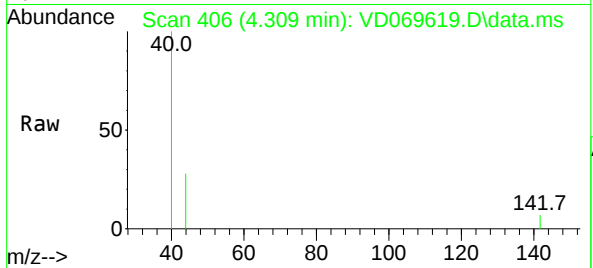




#10
Methyl Iodide
Concen: 3.958 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

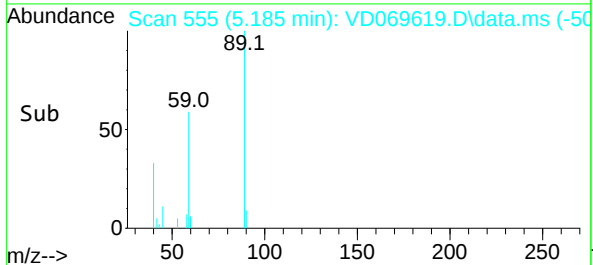
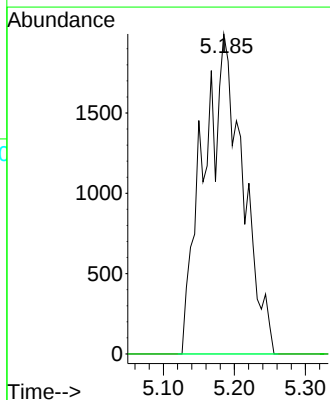
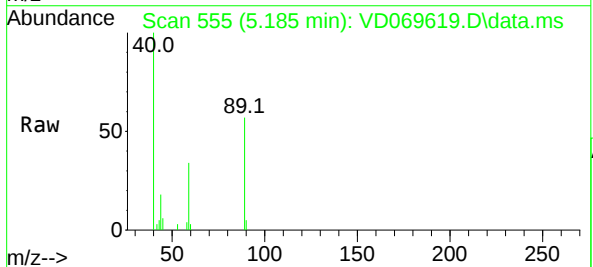
Instrument :
MSVOA_D
ClientSampleId :

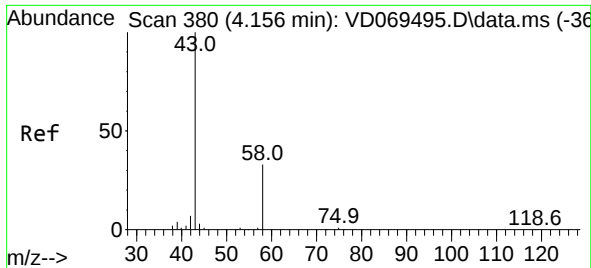
Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion: 59 Resp: 7638
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

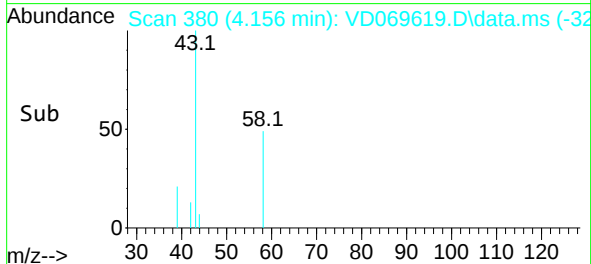
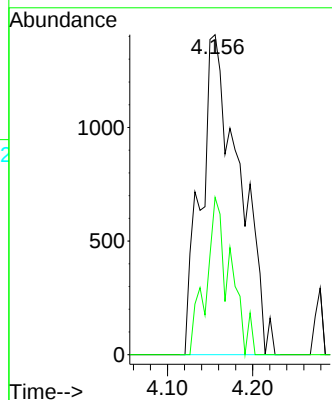
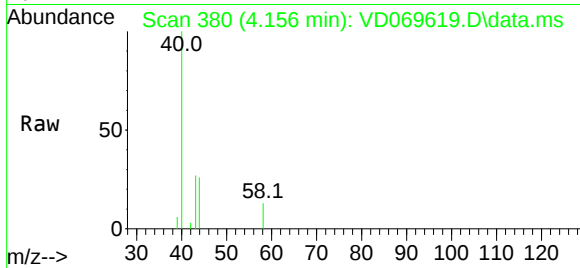




#16
Acetone
Concen: 3.796 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

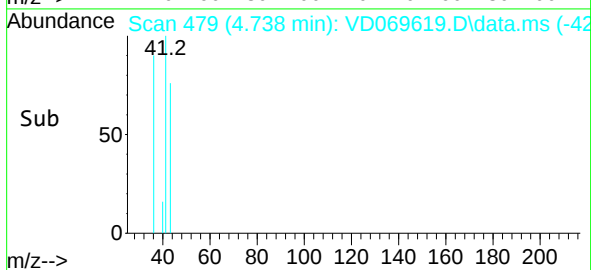
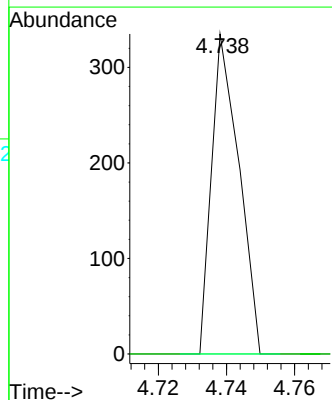
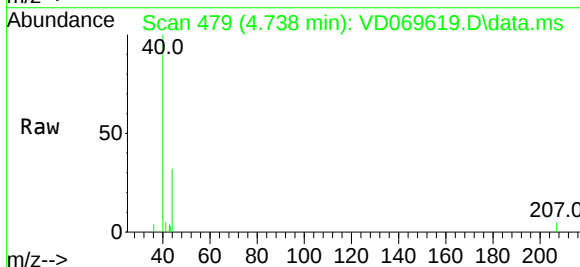
Instrument :
MSVOA_D
ClientSampled :

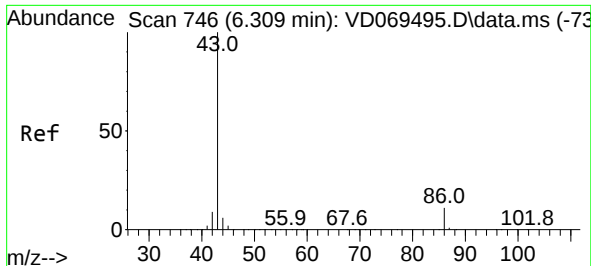
Tgt Ion: 43 Resp: 4410
Ion Ratio Lower Upper
43 100
58 49.1 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.738 min Scan# 479
Delta R.T. 0.018 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion: 43 Resp: 186
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

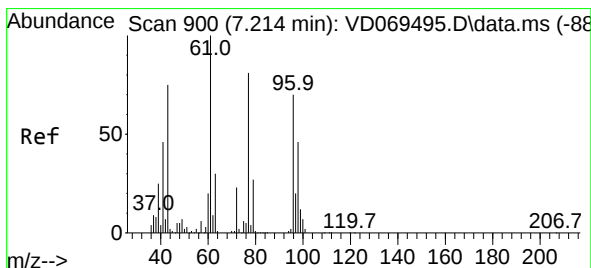
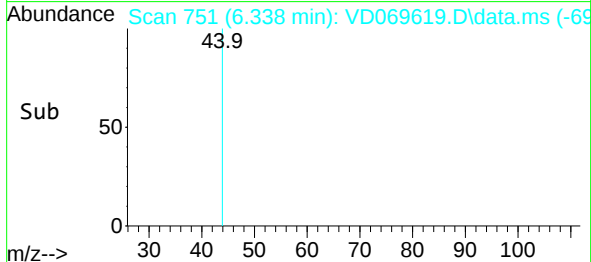
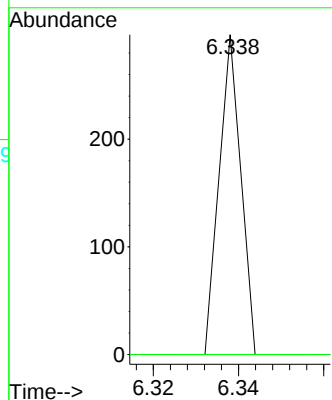
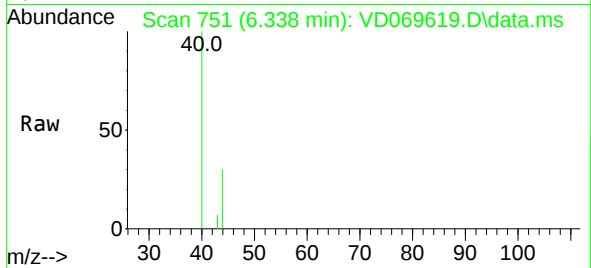




#23
 Vinyl Acetate
 Concen: 19.020 ug/l
 RT: 6.338 min Scan# 751
 Delta R.T. 0.029 min
 Lab File: VD069619.D
 Acq: 07 Jul 2021 20:20

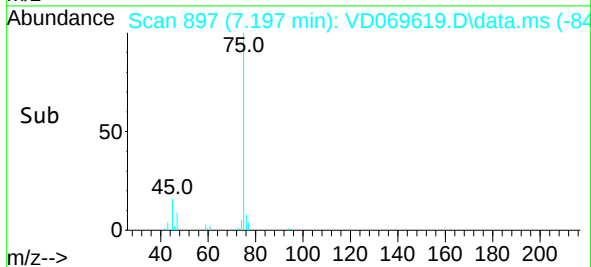
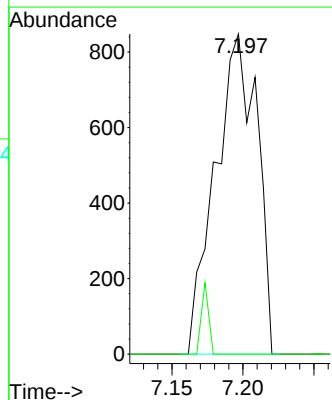
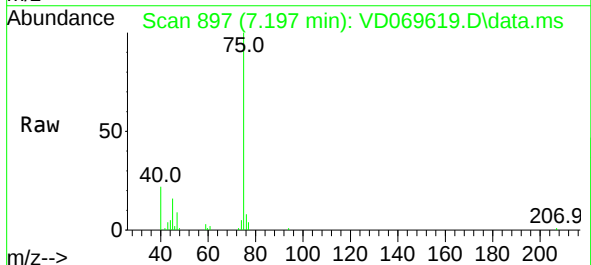
Instrument :
 MSVOA_D
 ClientSampleId :

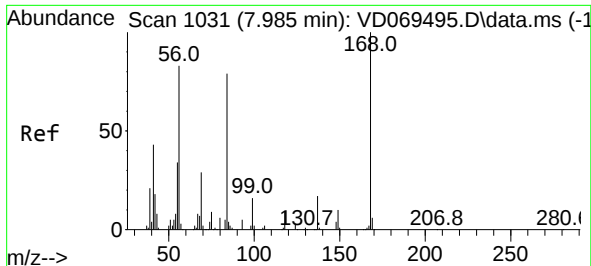
Tgt Ion: 43 Resp: 105
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 1.177 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD069619.D
 Acq: 07 Jul 2021 20:20

Tgt Ion: 43 Resp: 1737
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#

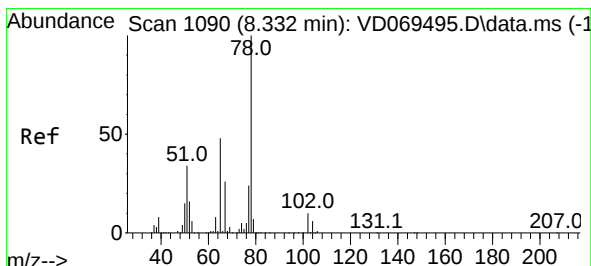
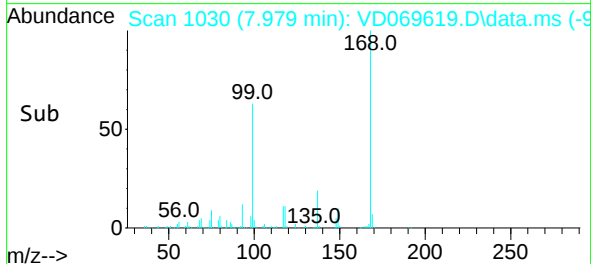
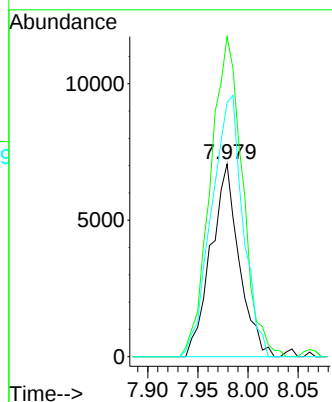
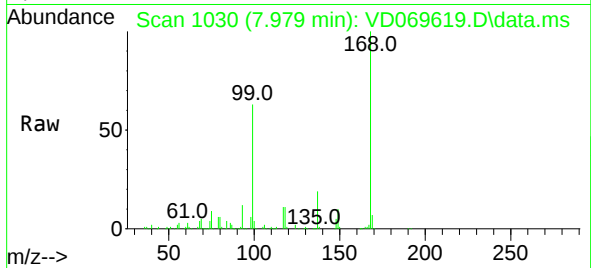




#31
Cyclohexane
Concen: 1.488 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

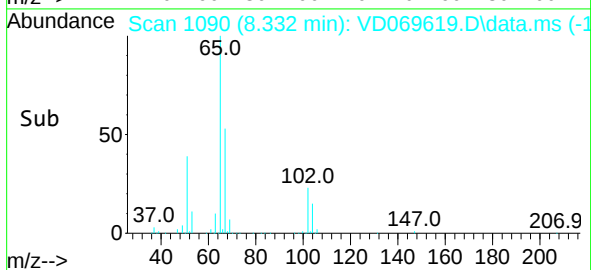
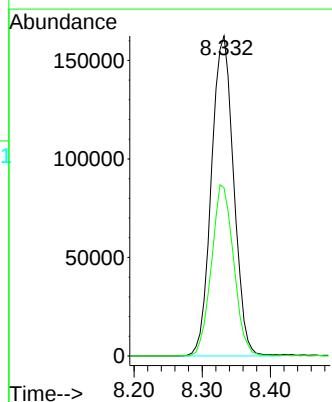
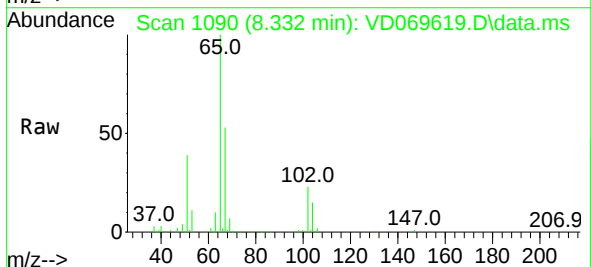
Instrument :
MSVOA_D
ClientSampleId :

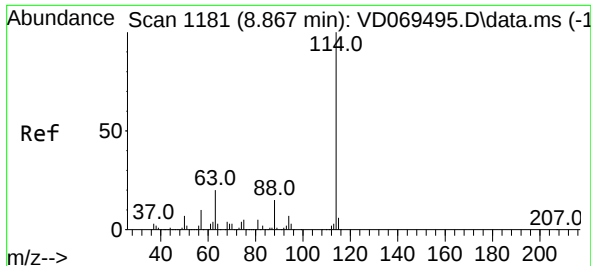
Tgt Ion: 56 Resp: 13826
Ion Ratio Lower Upper
56 100
69 166.1 28.0 42.0#
84 132.0 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 53.522 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

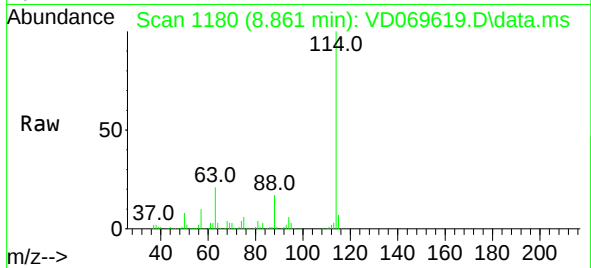
Tgt Ion: 65 Resp: 369383
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6





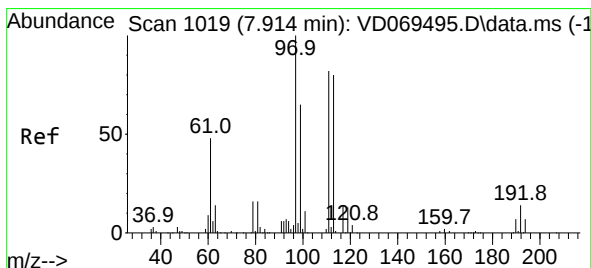
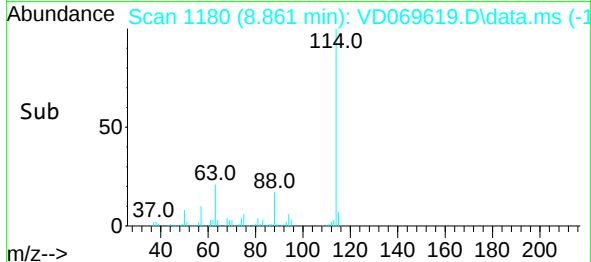
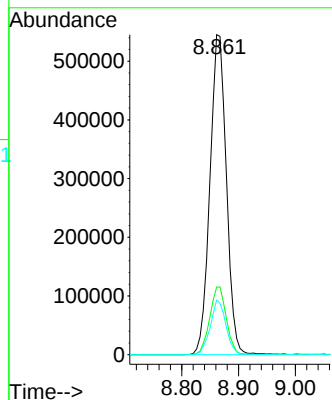
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:114 Resp: 1094644

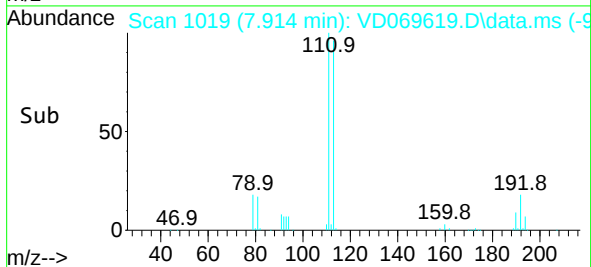
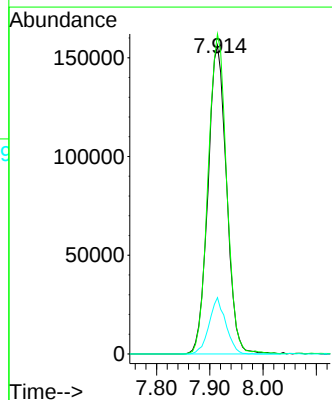
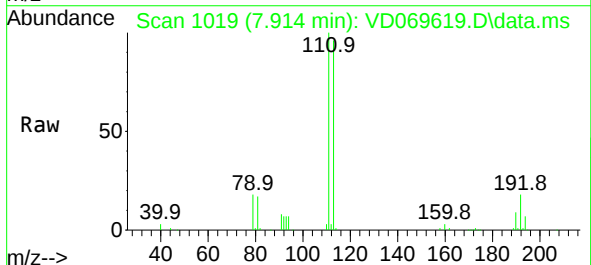
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	39.6
88	17.1	0.0	29.8

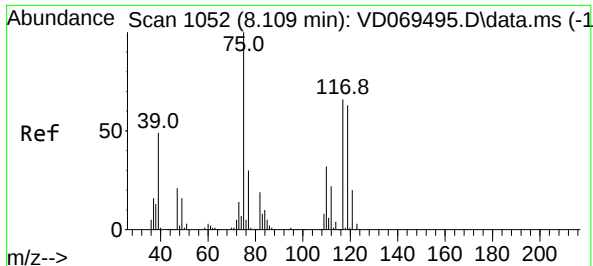


#35
Dibromofluoromethane
Concen: 51.047 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion:113 Resp: 377726

Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.8	122.8
192	16.4	13.8	20.6

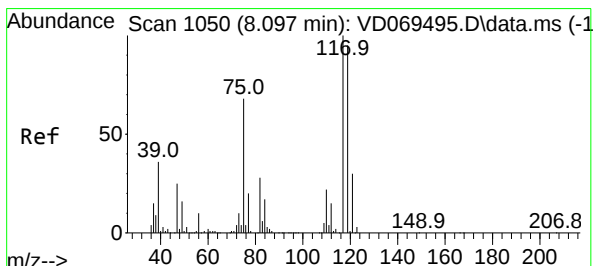
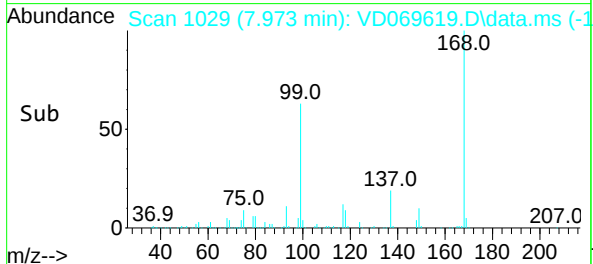
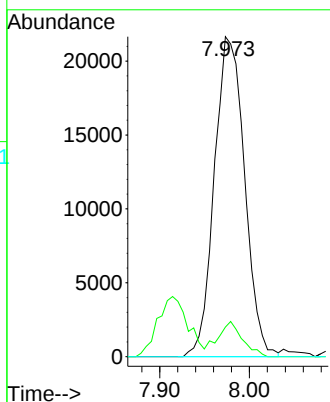
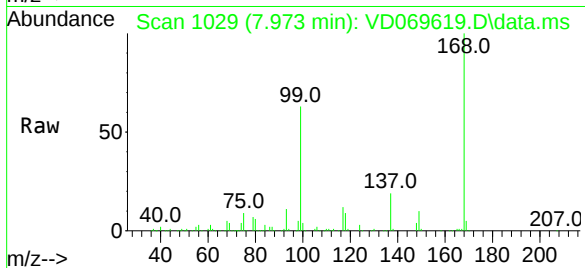




#36
1,1-Dichloropropene
Concen: 4.716 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

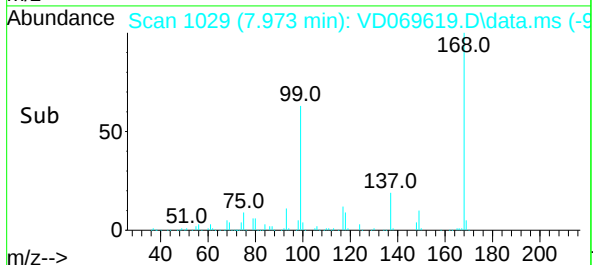
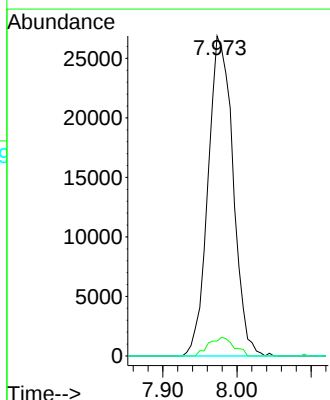
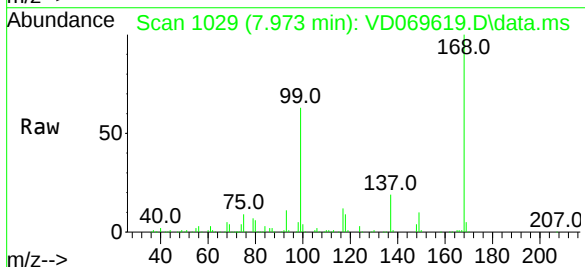
Instrument :
MSVOA_D
ClientSampleId :

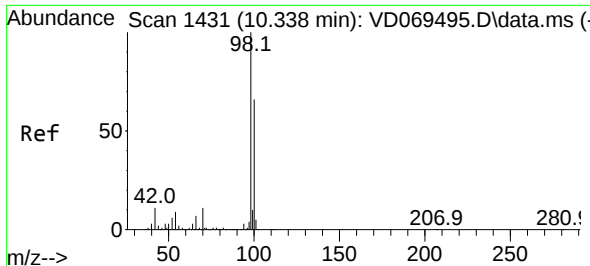
Tgt Ion: 75 Resp: 50669
Ion Ratio Lower Upper
75 100
110 9.0 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.920 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion: 117 Resp: 62941
Ion Ratio Lower Upper
117 100
119 4.6 75.6 113.4#
121 0.0 23.8 35.8#

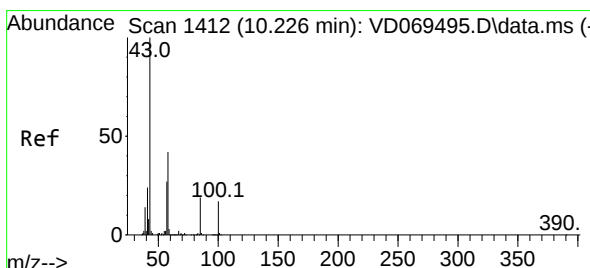
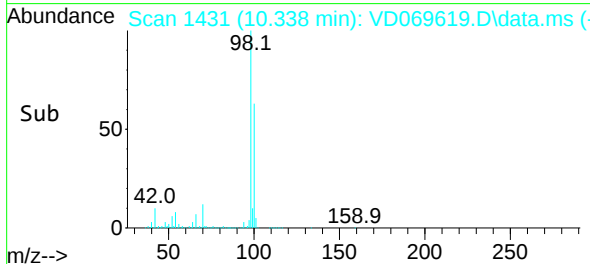
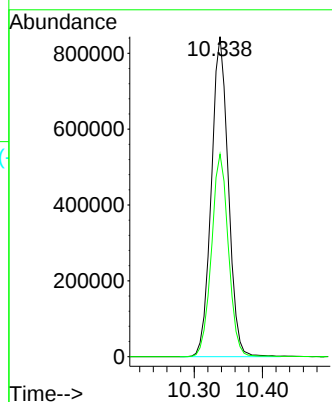
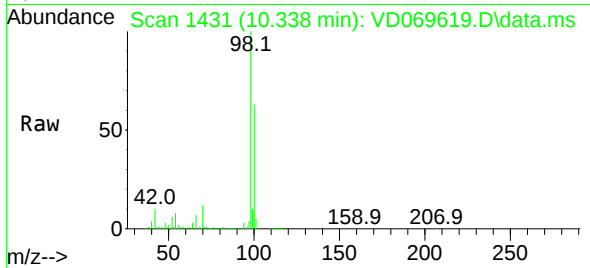




#50
Toluene-d8
Concen: 52.625 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

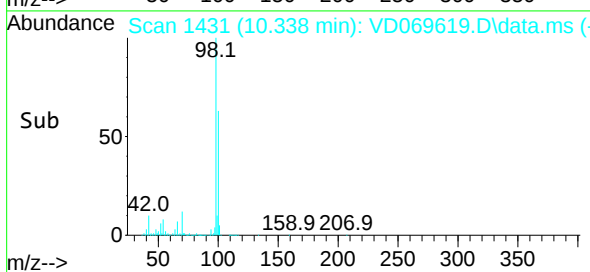
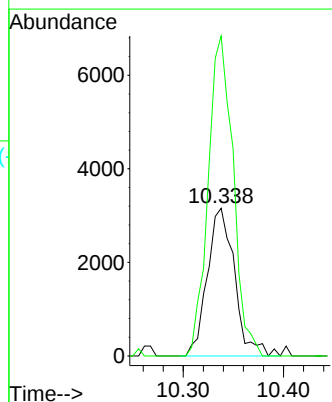
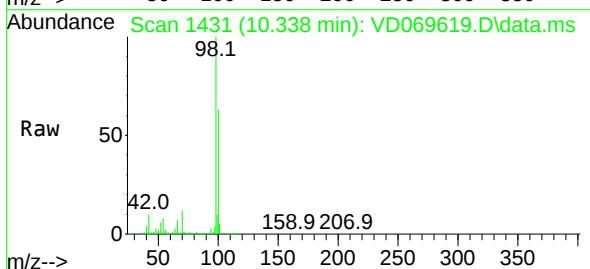
Instrument :
MSVOA_D
ClientSampleId :

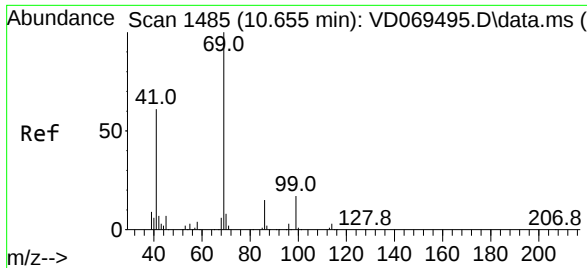
Tgt Ion: 98 Resp: 1460619
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.568 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion: 43 Resp: 5972
Ion Ratio Lower Upper
43 100
58 198.4 33.6 50.4#

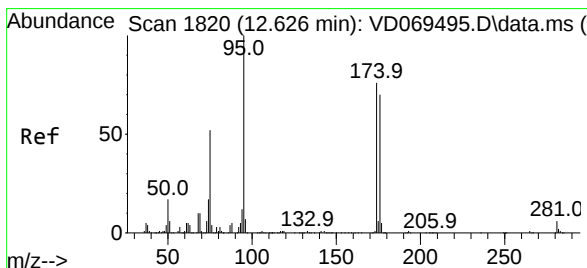
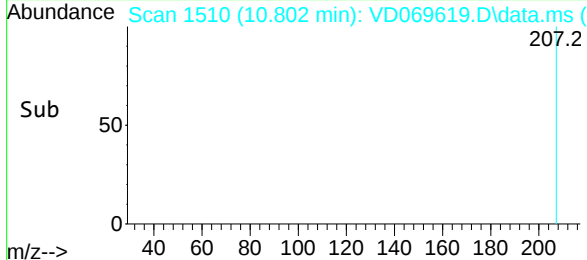
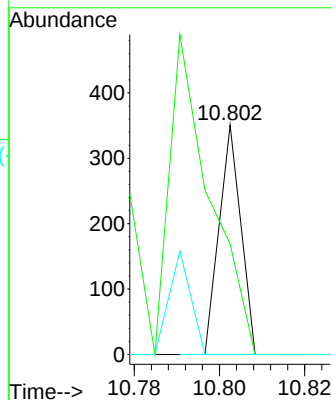
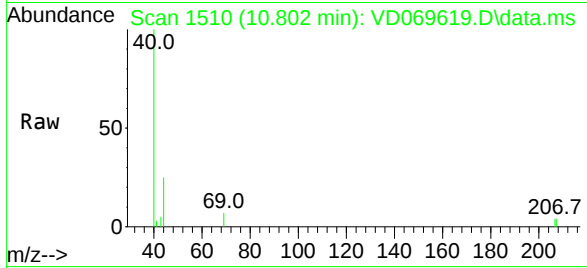




#56
Ethyl methacrylate
Concen: 2.598 ug/l
RT: 10.802 min Scan# 1510
Delta R.T. 0.147 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

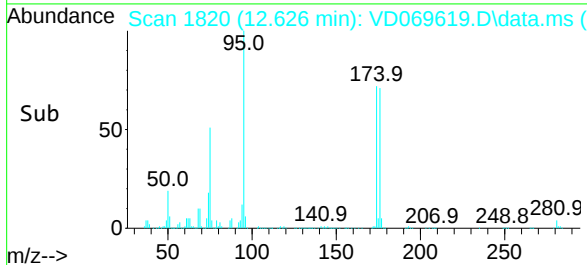
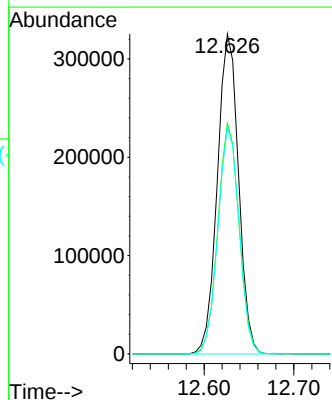
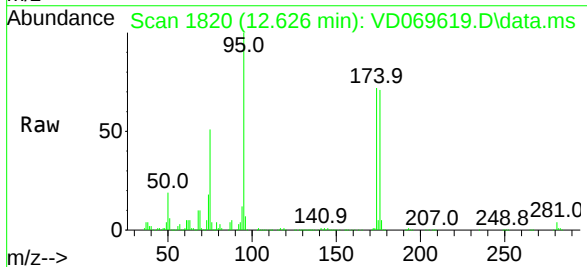
Instrument :
MSVOA_D
ClientSampleId :

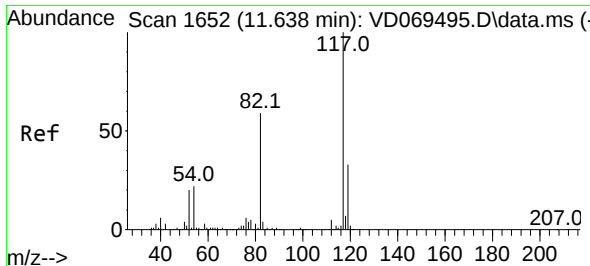
Tgt Ion: 69	Resp: 124		
Ion Ratio	Lower	Upper	
69 100			
41 329.0	49.4	74.0#	
39 45.2	26.9	40.3#	



#62
4-Bromofluorobenzene
Concen: 58.473 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

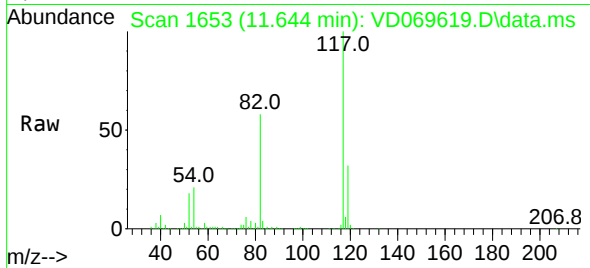
Tgt Ion: 95	Resp: 533546
Ion Ratio	Lower Upper
95 100	
174 72.4	0.0 148.0
176 71.0	0.0 139.8



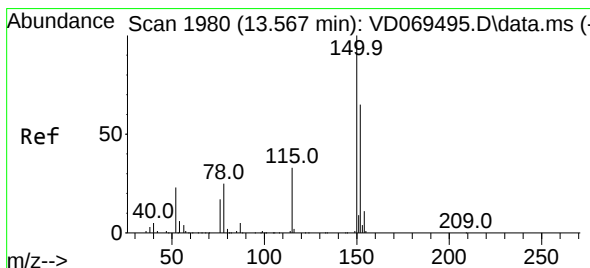
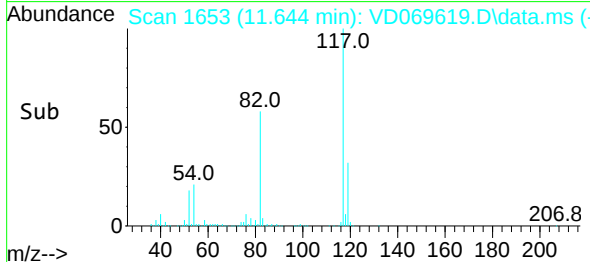
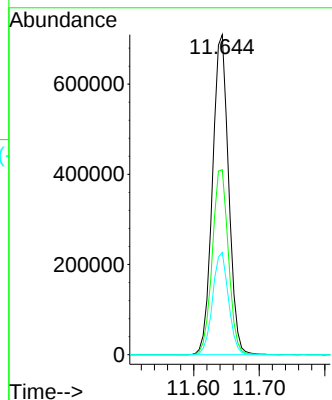


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Instrument :
MSVOA_D
ClientSampleId :

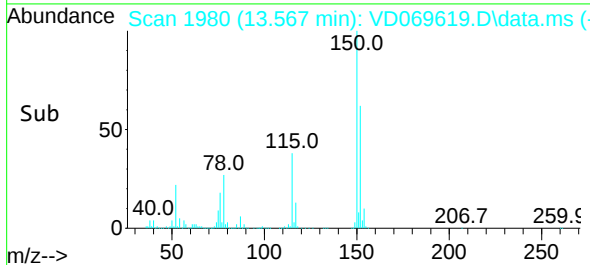
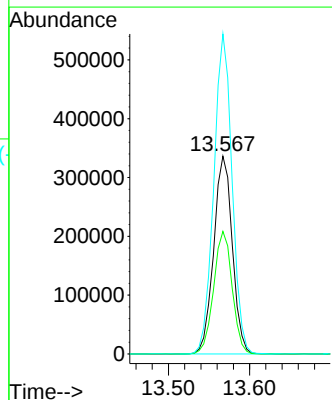
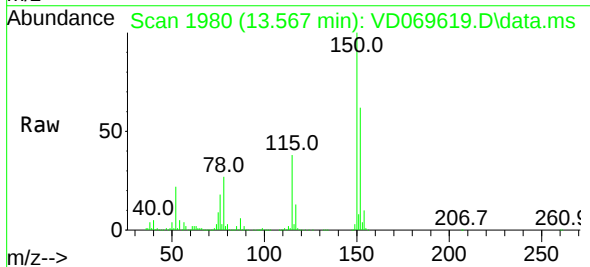


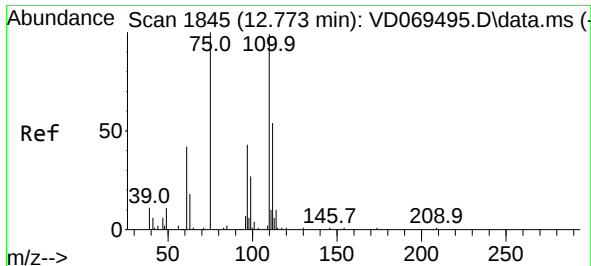
Tgt Ion:117 Resp: 1209803
Ion Ratio Lower Upper
117 100
82 57.8 46.8 70.2
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion:152 Resp: 536267
Ion Ratio Lower Upper
152 100
115 61.6 31.7 95.1
150 158.6 0.0 350.8

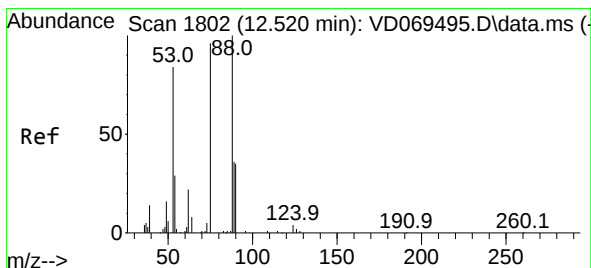
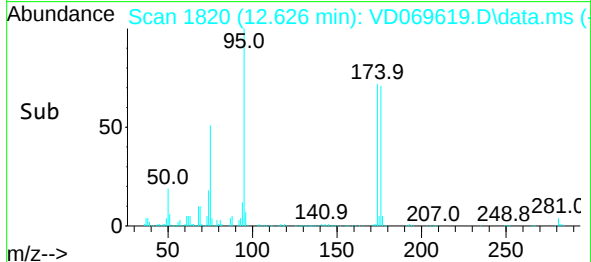
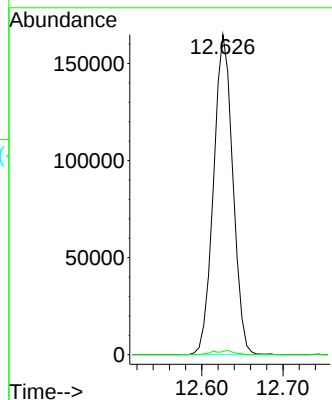
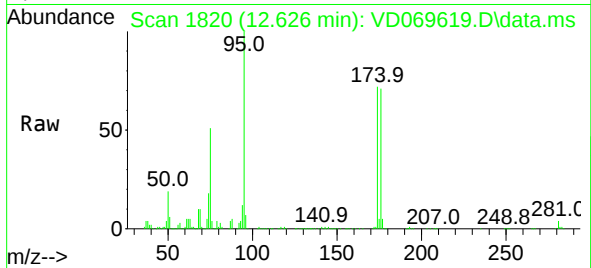




#76
1,2,3-Trichloropropane
Concen: 51.648 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

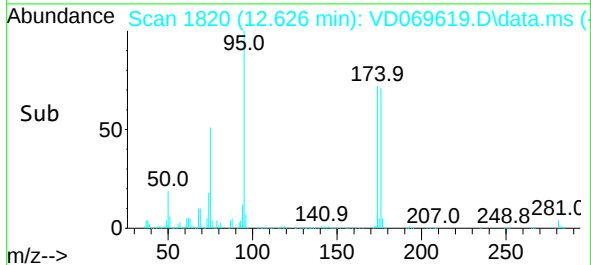
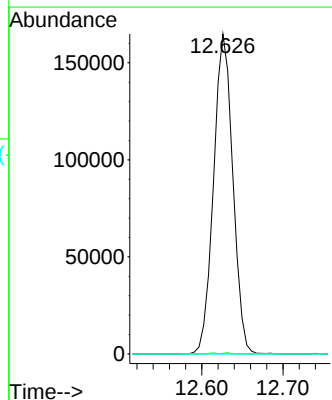
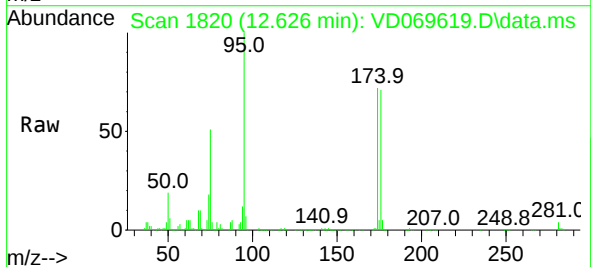
Instrument :
MSVOA_D
ClientSampleId :

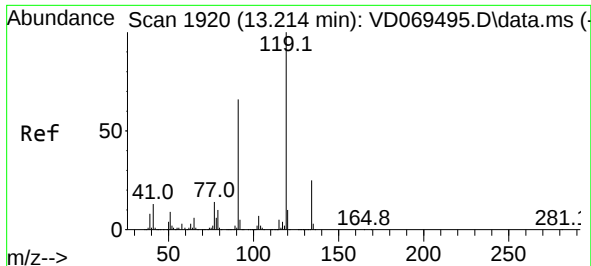
Tgt Ion: 75 Resp: 271882
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.958 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion: 75 Resp: 271882
Ion Ratio Lower Upper
75 100
53 0.1 74.6 112.0#
89 0.0 35.3 52.9#

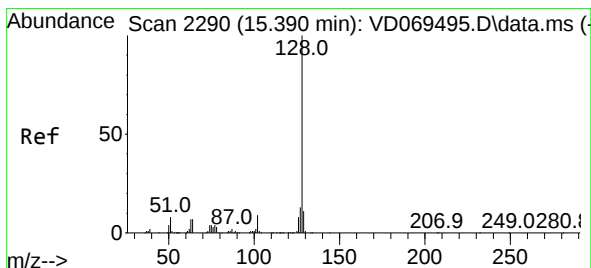
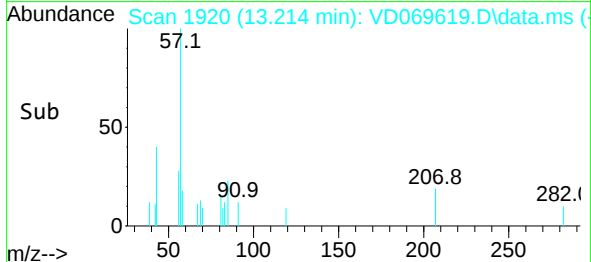
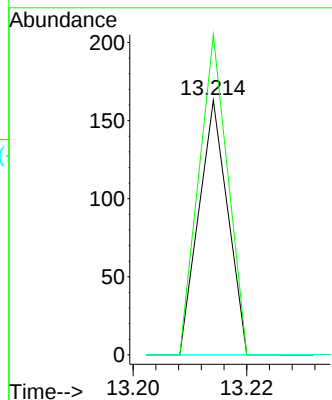
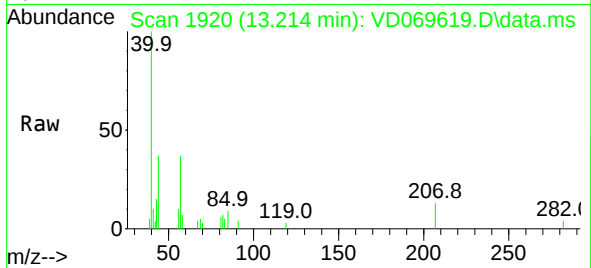




#83
tert-Butylbenzene
Concen: 1.994 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. 0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	58
Ion	Ratio	Lower	Upper
119	100		
91	124.1	32.5	97.4#
134	0.0	12.9	38.7#



#95
Naphthalene
Concen: 3.372 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069619.D
Acq: 07 Jul 2021 20:20

Tgt Ion:	128	Resp:	308
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

