

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069678.D
 Acq On : 13 Jul 2021 18:58
 Operator : VA/SY
 Sample : M2997-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 14 06:08:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

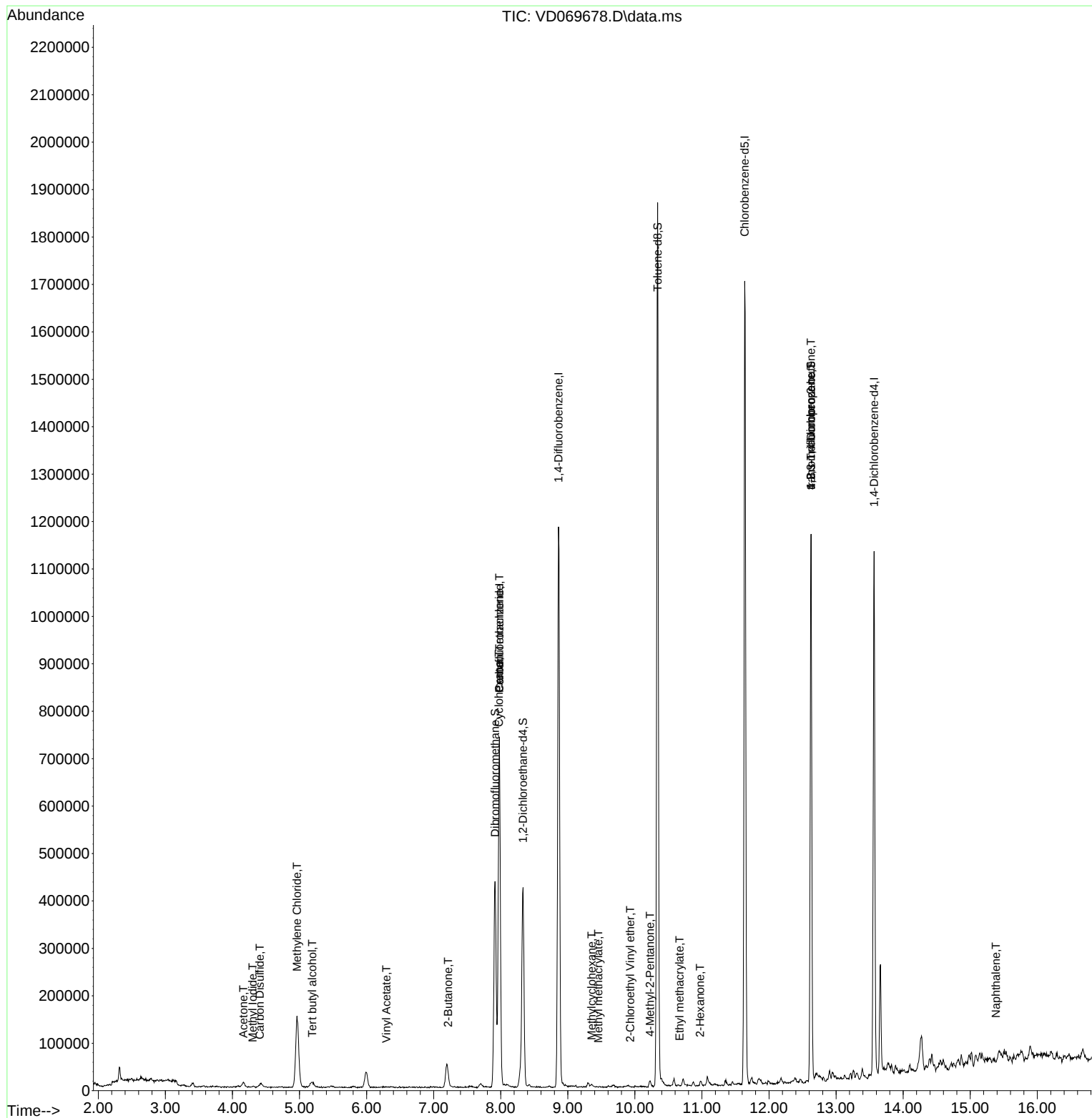
Internal Standards						
1) Pentafluorobenzene	7.979	168	495052	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1002177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	967989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	285807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	333667	53.979	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.960%			
35) Dibromofluoromethane	7.914	113	330358	49.135	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.280%			
50) Toluene-d8	10.338	98	1243445	47.604	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.200%			
62) 4-Bromofluorobenzene	12.626	95	399802	45.894	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.780%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.797	94	3979	Below Cal	#	73
10) Methyl Iodide	4.303	142	2324	2.828	ug/l #	89
11) Tert butyl alcohol	5.191	59	8175	9.899	ug/l #	82
16) Acetone	4.162	43	17985	25.636	ug/l	97
17) Carbon Disulfide	4.409	76	12103	1.065	ug/l	100
18) Methyl Acetate	4.720	43	722	Below Cal	#	49
20) Methylene Chloride	4.962	84	118495	9.368	ug/l	93
23) Vinyl Acetate	6.297	43	385	15.462	ug/l #	72
25) 2-Butanone	7.214	43	7840	5.366	ug/l #	85
31) Cyclohexane	7.973	56	14194	1.743	ug/l #	5
38) Carbon Tetrachloride	7.979	117	55839	5.898	ug/l #	18
39) Methylcyclohexane	9.355	83	1663	2.088	ug/l #	43
48) Methyl methacrylate	9.455	41	425	1.214	ug/l #	70
51) 4-Methyl-2-Pentanone	10.226	43	8902	2.400	ug/l	88
56) Ethyl methacrylate	10.667	69	1315	1.851	ug/l	88
58) 2-Chloroethyl Vinyl ether	9.932	63	61	9.379	ug/l #	49
59) 2-Hexanone	10.973	43	6753	2.732	ug/l	76
76) 1,2,3-Trichloropropane	12.626	75	196919	70.923	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	196919	190.601	ug/l #	15
95) Naphthalene	15.385	128	4012	2.629	ug/l #	94

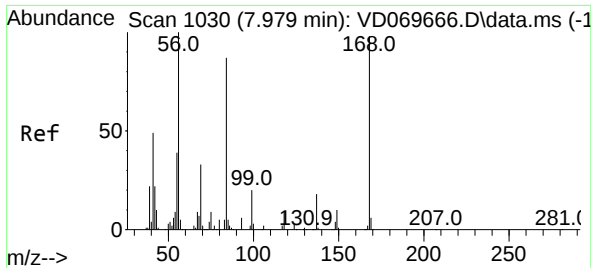
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 14 06:08:21 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

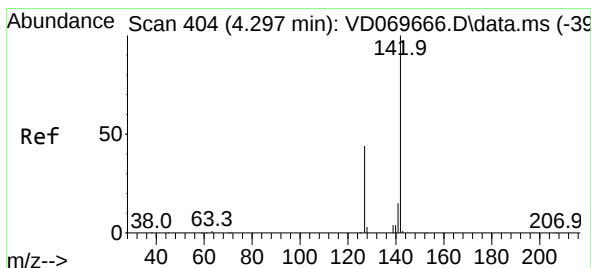
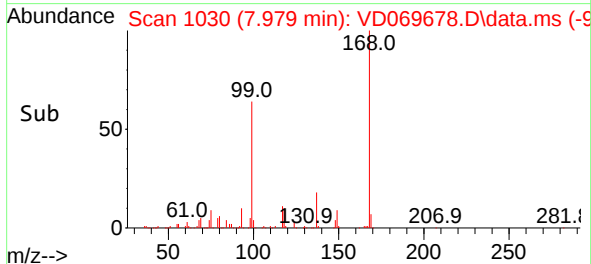
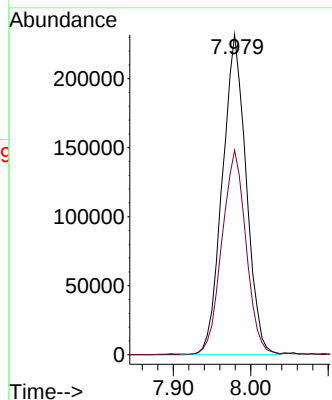
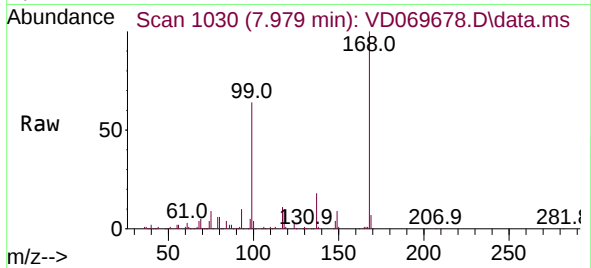




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

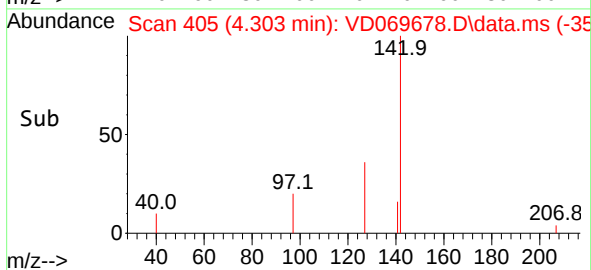
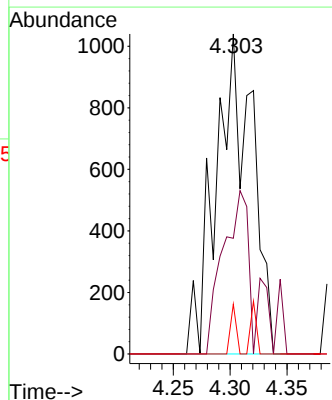
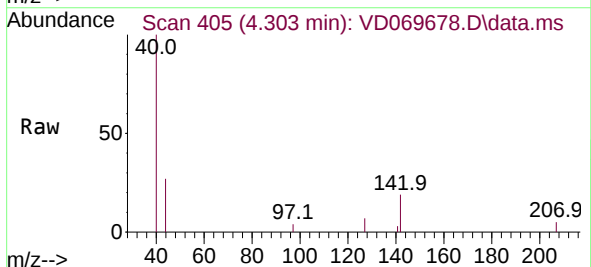
Instrument :
MSVOA_D
ClientSampled :

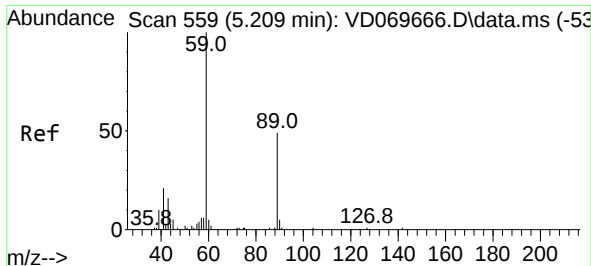
Tgt Ion:168 Resp: 495052
Ion Ratio Lower Upper
168 100
99 63.7 51.8 77.6



#10
Methyl Iodide
Concen: 2.828 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion:142 Resp: 2324
Ion Ratio Lower Upper
142 100
127 41.9 36.1 54.1
141 2.5 11.6 17.4#

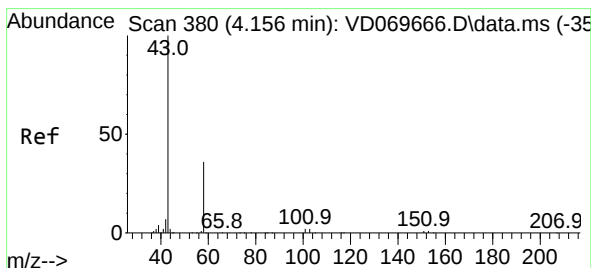
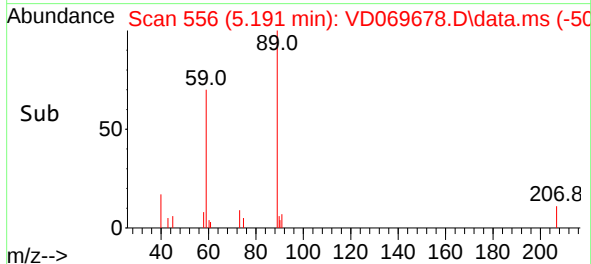
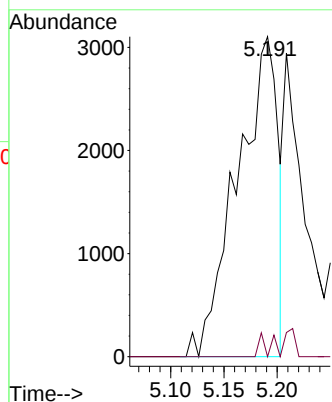
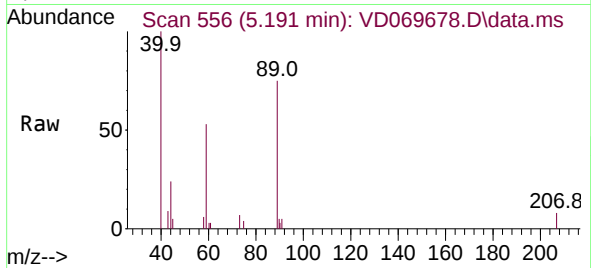




#11
Tert butyl alcohol
Concen: 9.899 ug/l
RT: 5.191 min Scan# 556
Delta R.T. -0.018 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

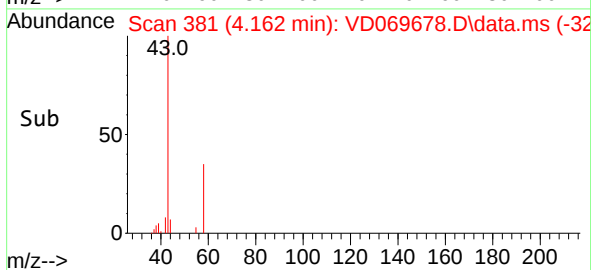
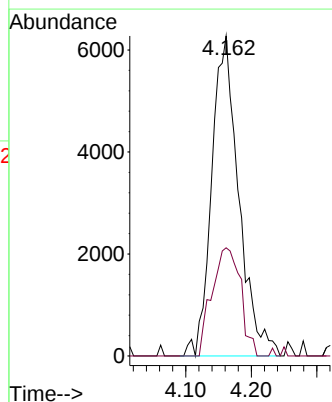
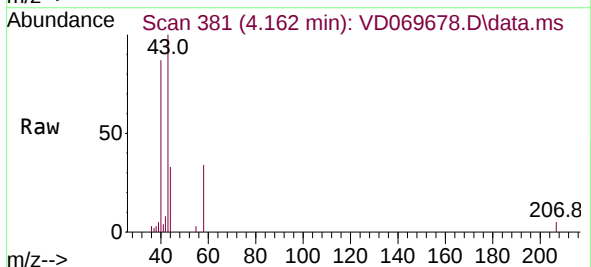
Instrument :
MSVOA_D
ClientSampled :

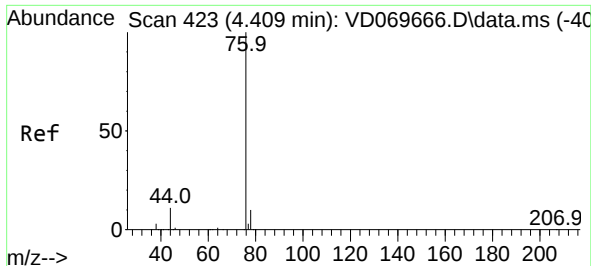
Tgt Ion: 59 Resp: 8175
Ion Ratio Lower Upper
59 100
57 1.0 5.7 8.5#



#16
Acetone
Concen: 25.636 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion: 43 Resp: 17985
Ion Ratio Lower Upper
43 100
58 33.8 28.6 42.8

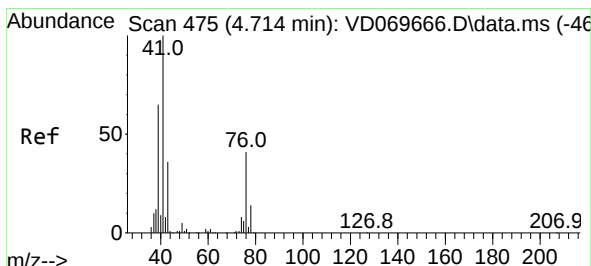
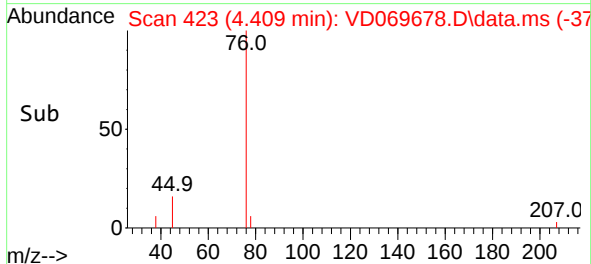
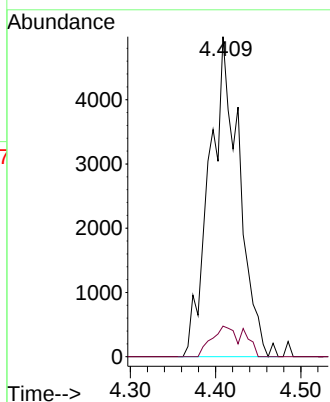
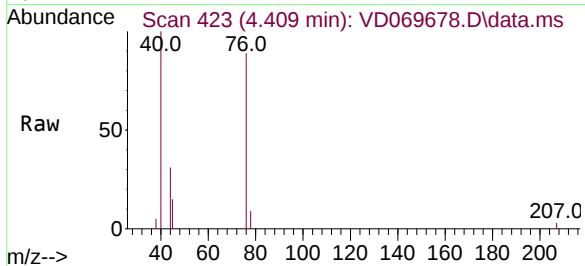




#17
Carbon Disulfide
Concen: 1.065 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

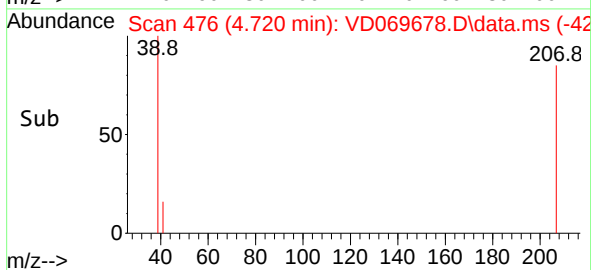
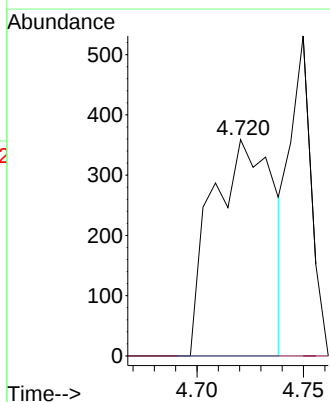
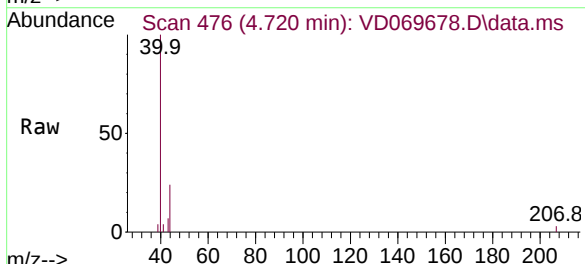
Instrument :
MSVOA_D
ClientSampled :

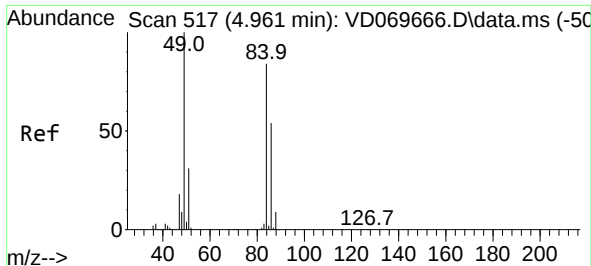
Tgt Ion: 76 Resp: 12103
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

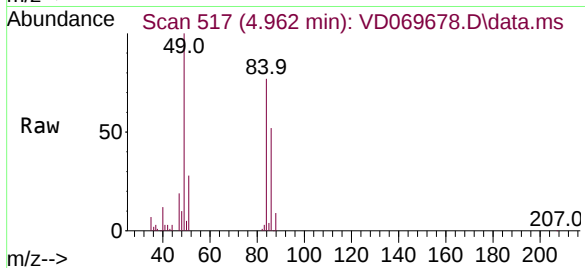
Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



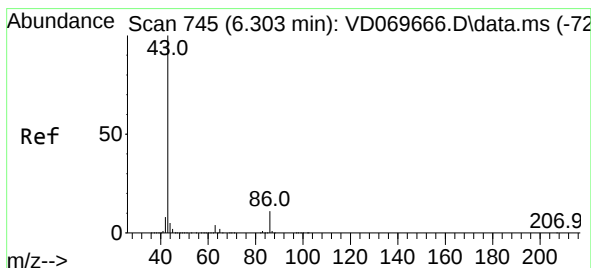
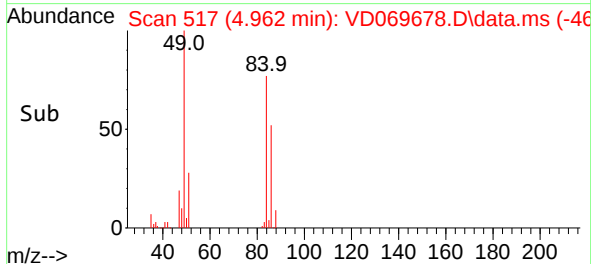
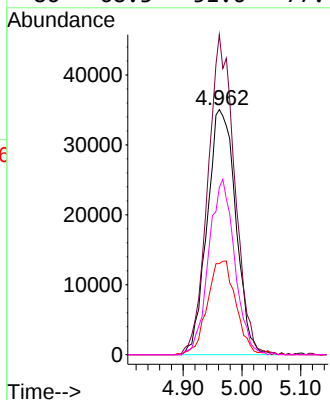


#20
Methylene Chloride
Concen: 9.368 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Instrument :
MSVOA_D
ClientSampleId :

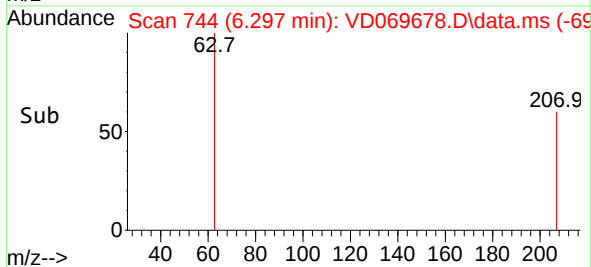
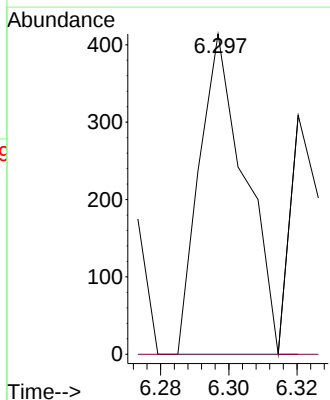
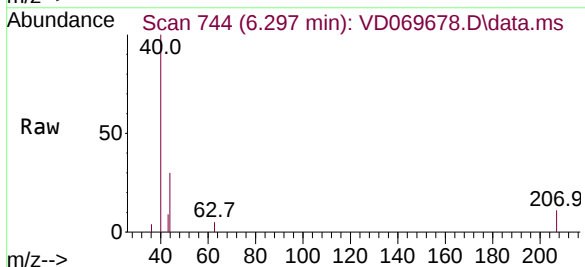


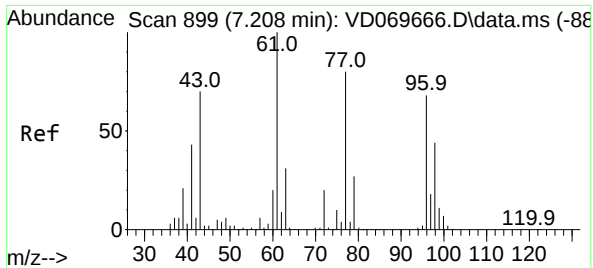
Tgt Ion:	84	Resp:	118495
Ion	Ratio	Lower	Upper
84	100		
49	130.6	95.5	143.3
51	37.1	29.7	44.5
86	68.3	51.6	77.4



#23
Vinyl Acetate
Concen: 15.462 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion:	43	Resp:	385
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#

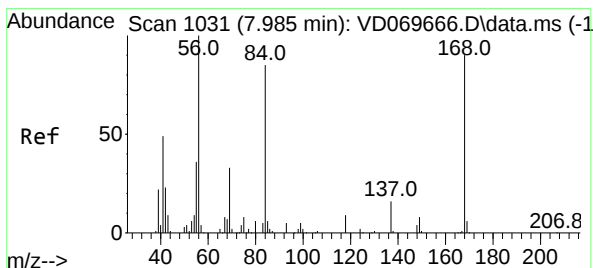
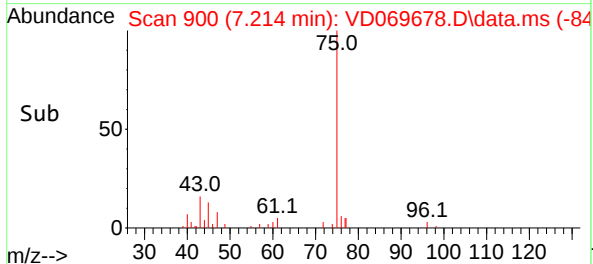
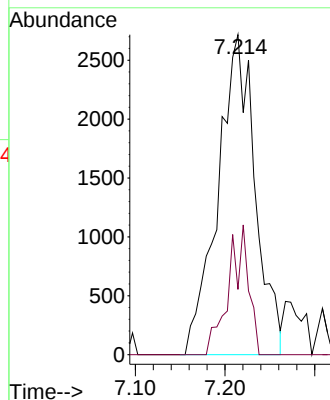
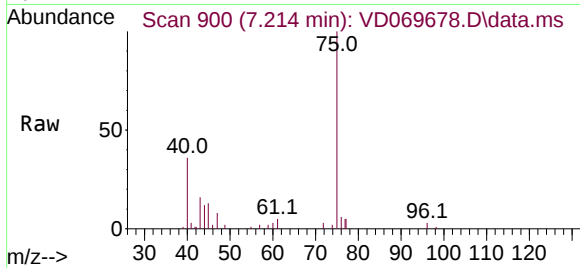




#25
2-Butanone
Concen: 5.366 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

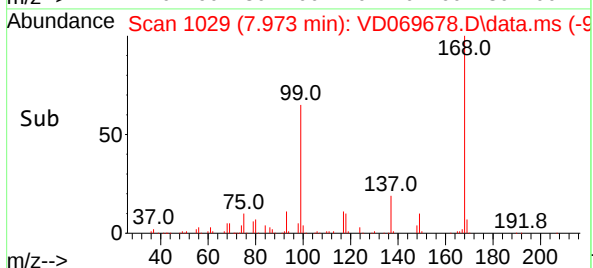
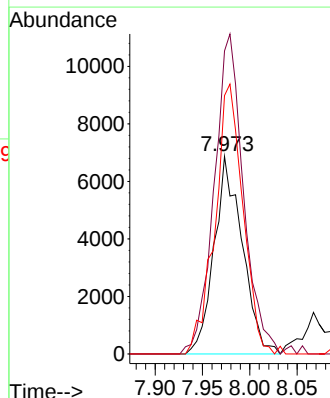
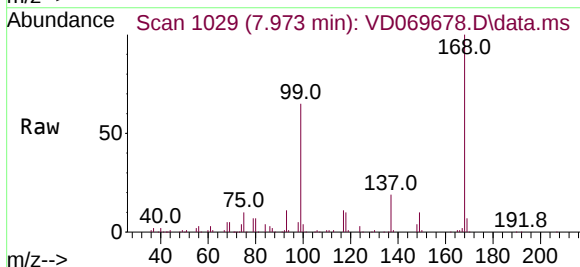
Instrument :
MSVOA_D
ClientSampleId :

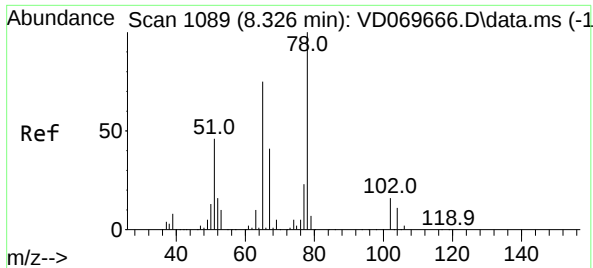
Tgt Ion: 43 Resp: 7840
Ion Ratio Lower Upper
43 100
72 20.4 22.6 33.8#



#31
Cyclohexane
Concen: 1.743 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion: 56 Resp: 14194
Ion Ratio Lower Upper
56 100
69 153.3 26.6 39.8#
84 130.7 68.2 102.2#

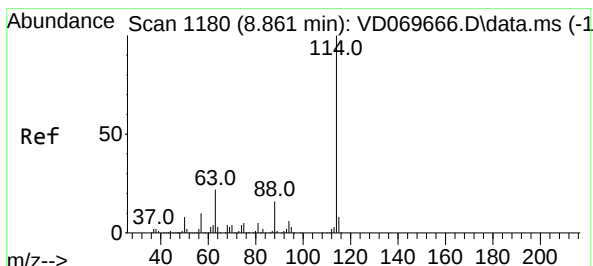
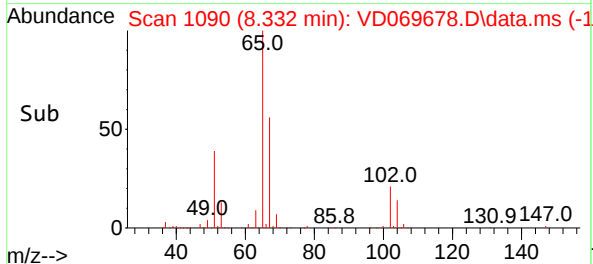
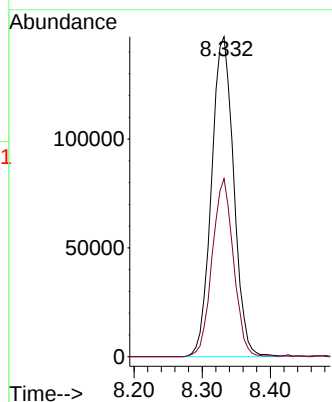
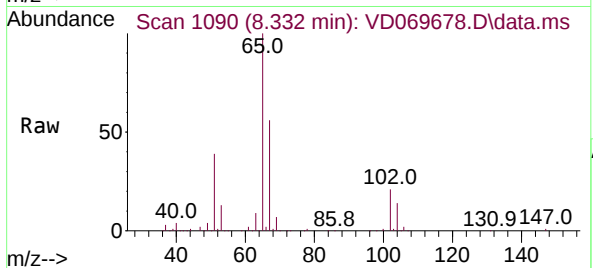




#33
1,2-Dichloroethane-d4
Concen: 53.979 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

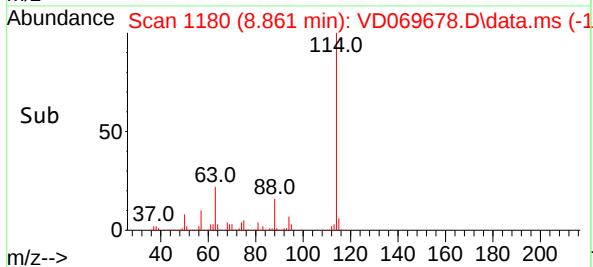
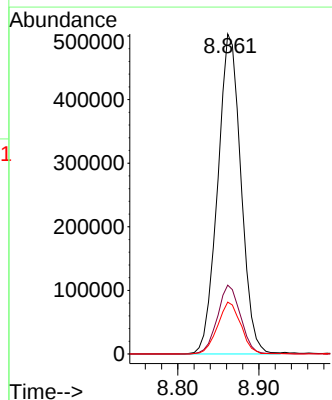
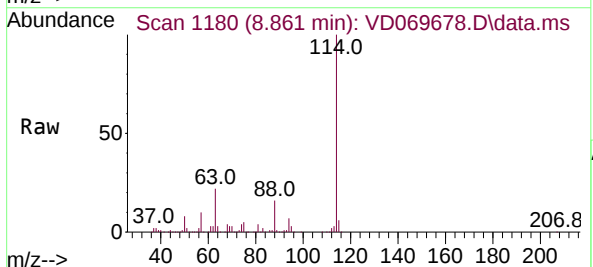
Instrument :
MSVOA_D
ClientSampled :

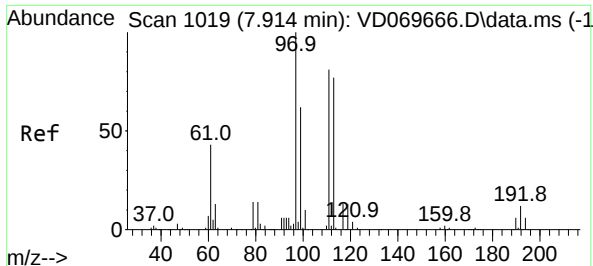
Tgt Ion: 65 Resp: 333667
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion:114 Resp: 1002177
Ion Ratio Lower Upper
114 100
63 21.5 0.0 43.4
88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 49.135 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069678.D

Acq: 13 Jul 2021 18:58

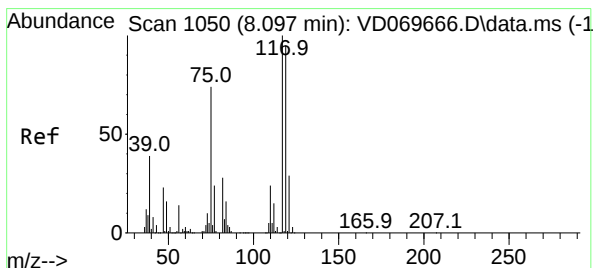
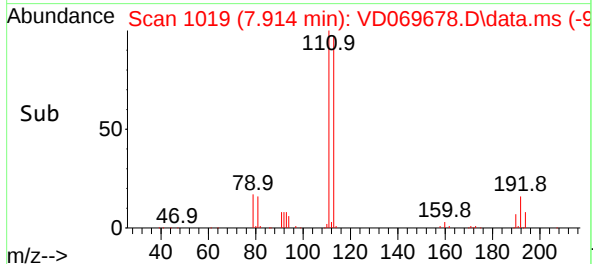
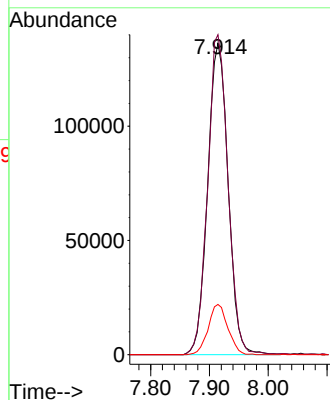
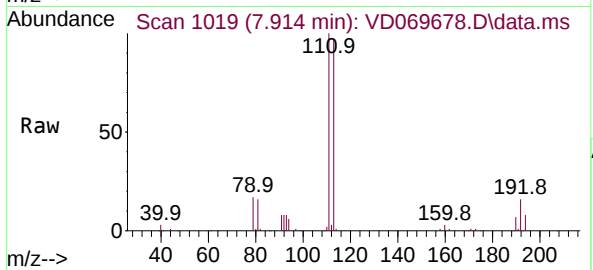
Tgt Ion:113 Resp: 330358

Ion Ratio Lower Upper

113 100

111 101.5 82.6 123.8

192 15.5 12.7 19.1



#38

Carbon Tetrachloride

Concen: 5.898 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD069678.D

Acq: 13 Jul 2021 18:58

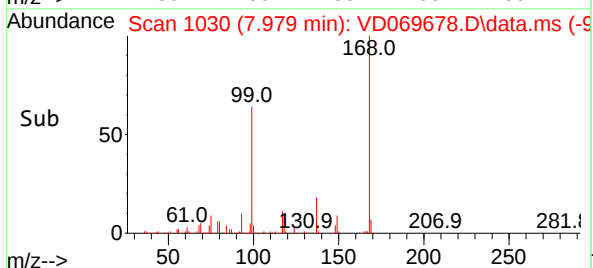
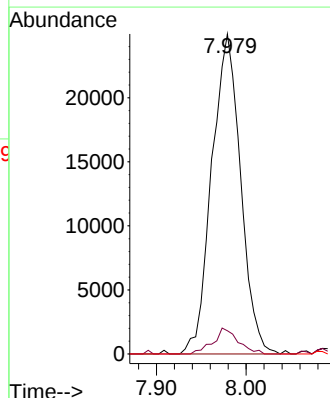
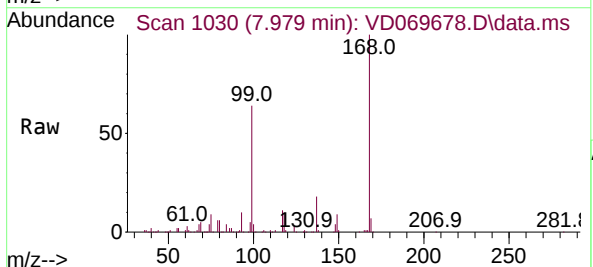
Tgt Ion:117 Resp: 55839

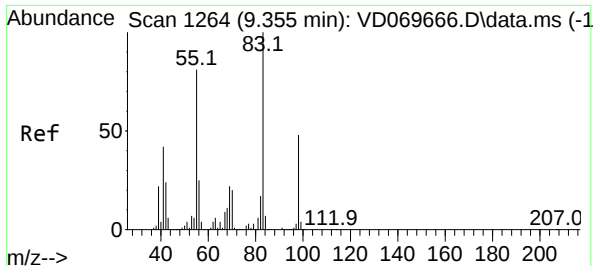
Ion Ratio Lower Upper

117 100

119 7.2 75.7 113.5#

121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 2.088 ug/l

RT: 9.355 min Scan# 1264

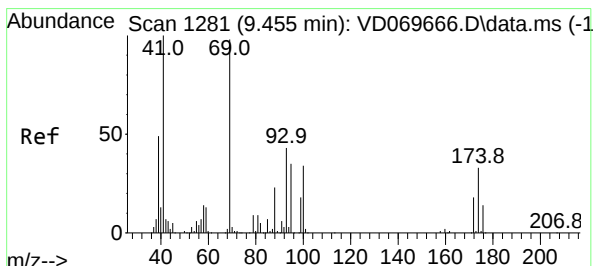
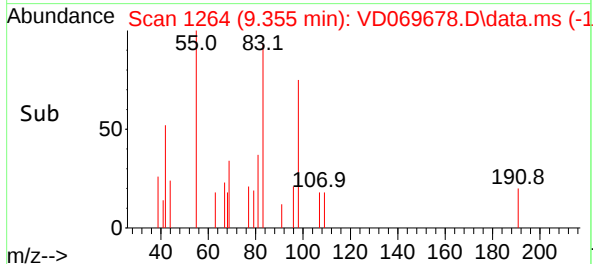
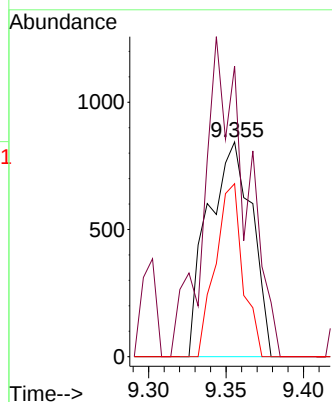
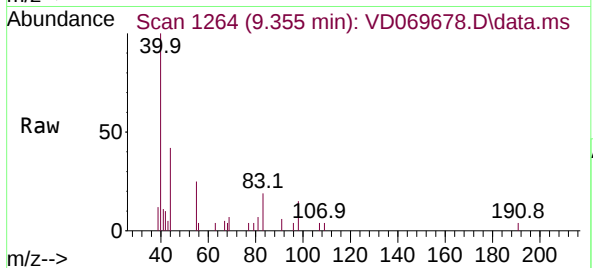
Delta R.T. 0.000 min

Lab File: VD069678.D

Acq: 13 Jul 2021 18:58

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 83	Resp: 1663
Ion Ratio	Lower Upper
83 100	
55 135.3	64.6 97.0#
98 80.6	38.4 57.6#



#48

Methyl methacrylate

Concen: 1.214 ug/l

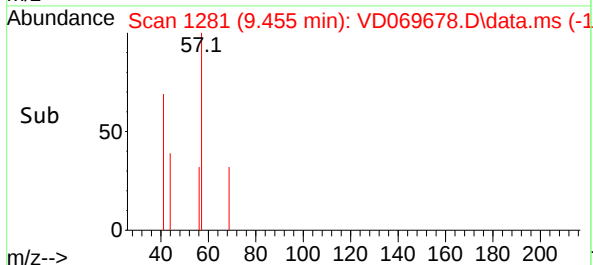
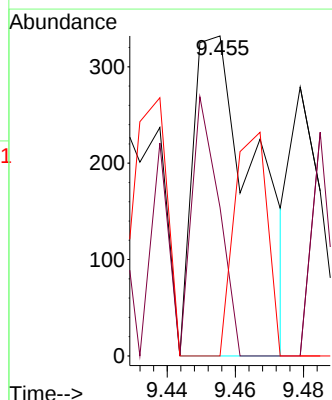
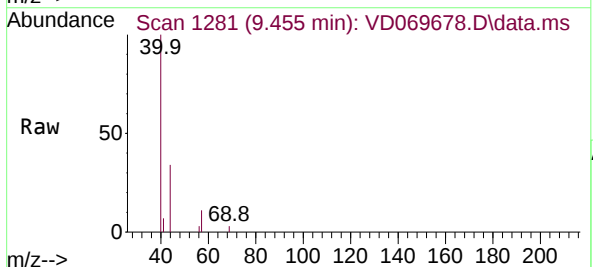
RT: 9.455 min Scan# 1281

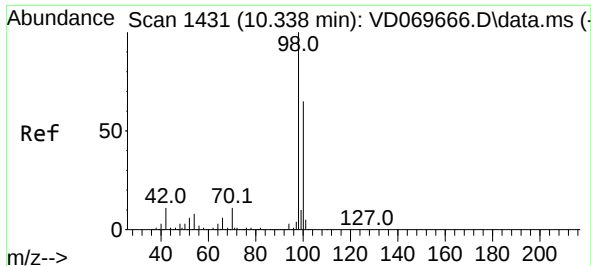
Delta R.T. 0.000 min

Lab File: VD069678.D

Acq: 13 Jul 2021 18:58

Tgt Ion: 41	Resp: 425
Ion Ratio	Lower Upper
41 100	
69 53.4	71.6 107.4#
39 36.9	36.7 55.1

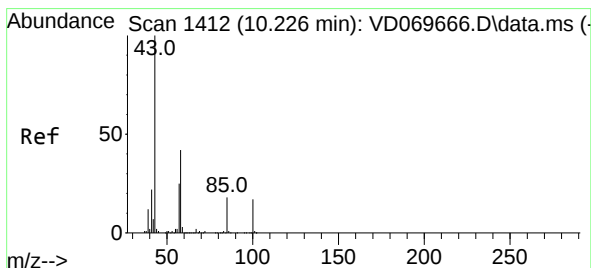
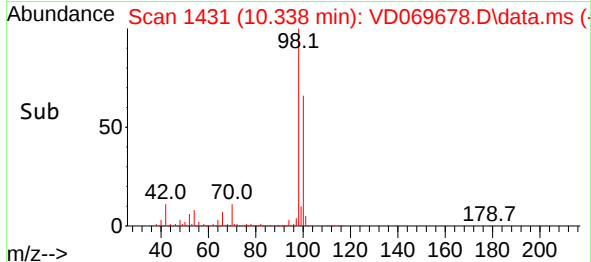
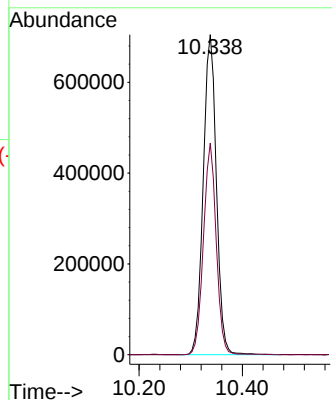
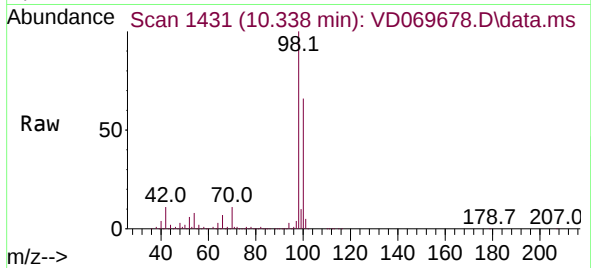




#50
Toluene-d8
Concen: 47.604 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

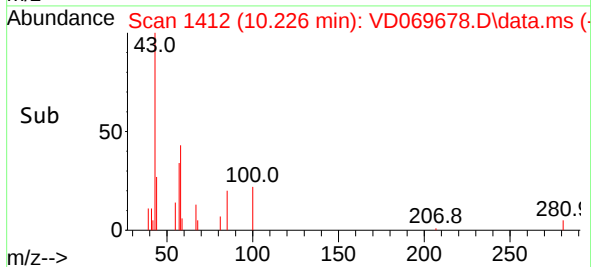
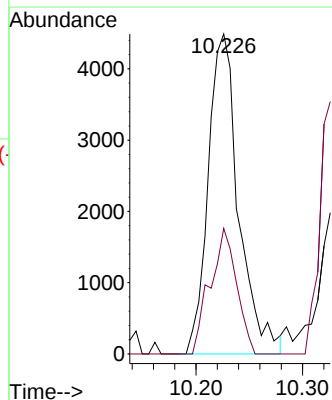
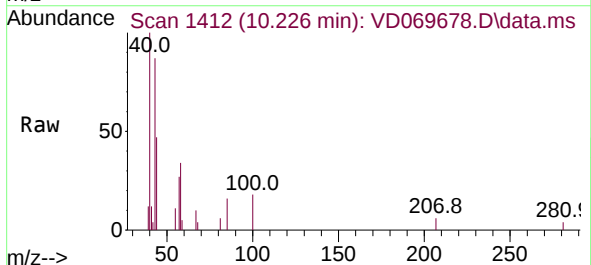
Instrument :
MSVOA_D
ClientSampled :

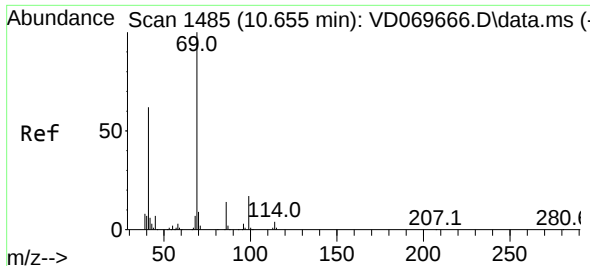
Tgt Ion: 98 Resp: 1243445
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 2.400 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion: 43 Resp: 8902
Ion Ratio Lower Upper
43 100
58 34.1 33.5 50.3

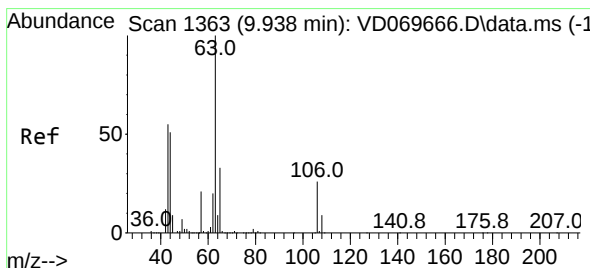
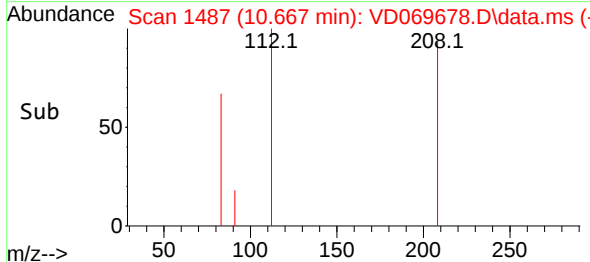
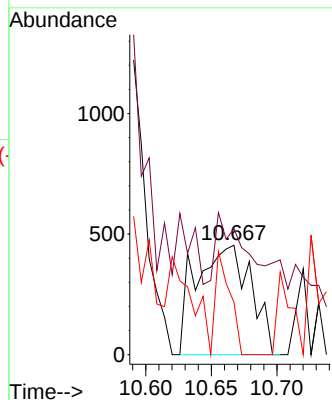
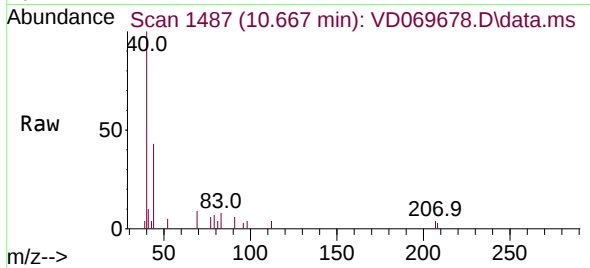




#56
Ethyl methacrylate
Concen: 1.851 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

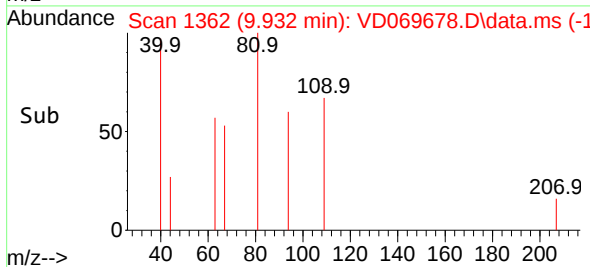
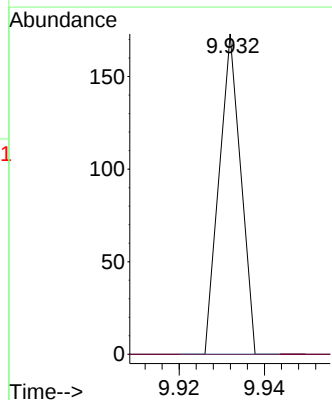
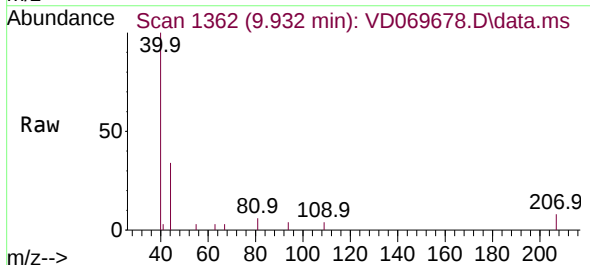
Instrument :
MSVOA_D
ClientSampleId :

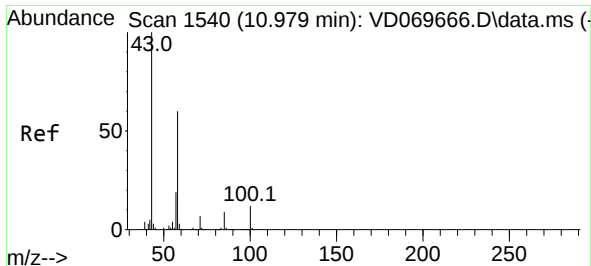
Tgt Ion: 69 Resp: 1315
Ion Ratio Lower Upper
69 100
41 50.4 49.5 74.3
39 25.2 22.5 33.7



#58
2-Chloroethyl Vinyl ether
Concen: 9.379 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion: 63 Resp: 61
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

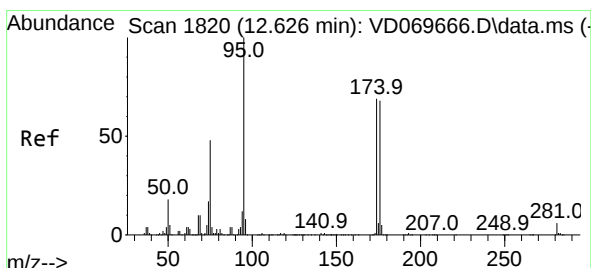
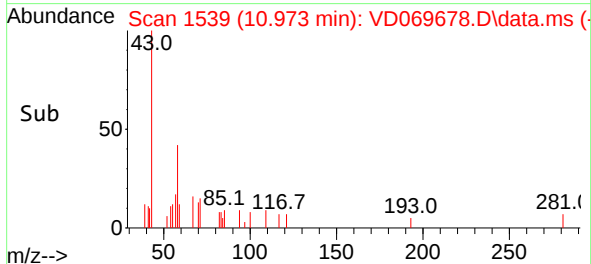
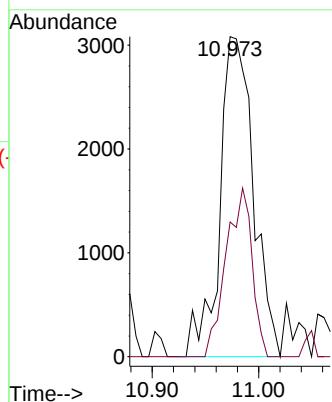
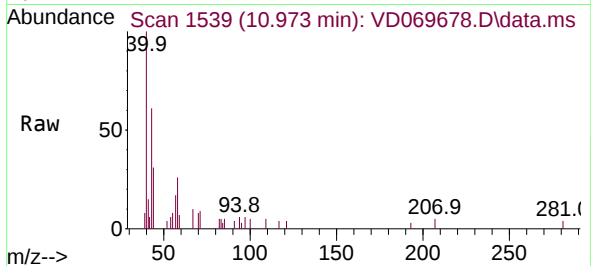




#59
2-Hexanone
Concen: 2.732 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.006 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

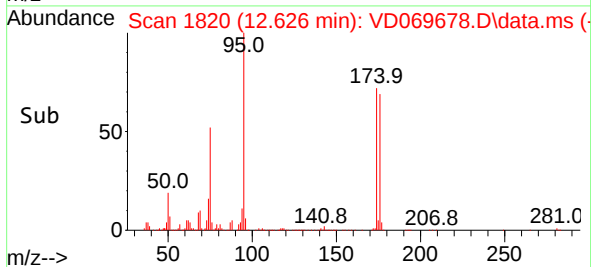
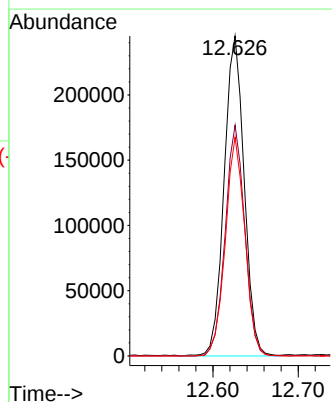
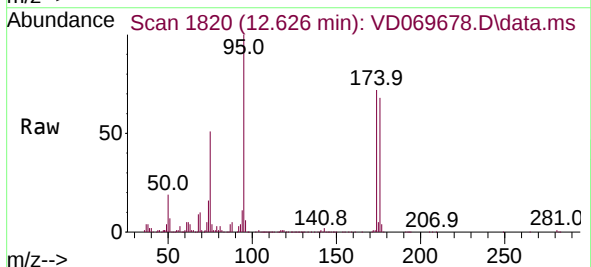
Instrument :
MSVOA_D
ClientSampled :

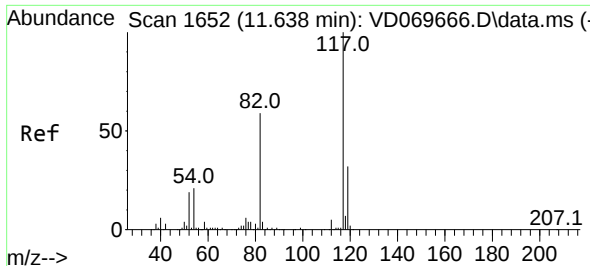
Tgt Ion: 43 Resp: 6753
Ion Ratio Lower Upper
43 100
58 40.7 29.1 87.4



#62
4-Bromofluorobenzene
Concen: 45.894 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion: 95 Resp: 399802
Ion Ratio Lower Upper
95 100
174 70.4 0.0 140.0
176 66.5 0.0 136.2

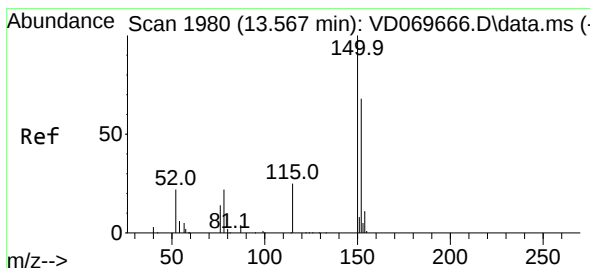
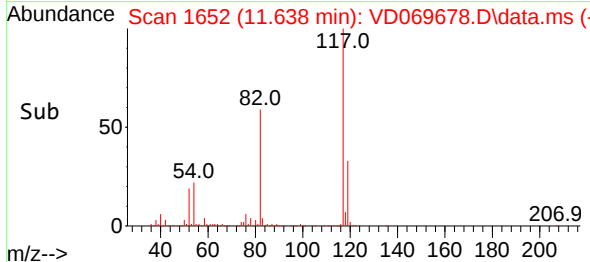
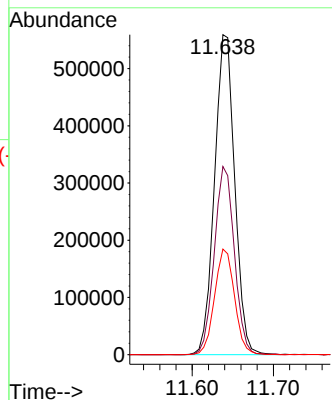
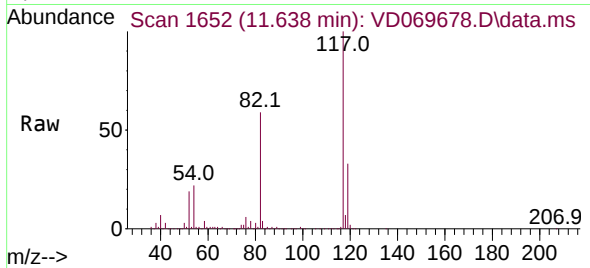




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

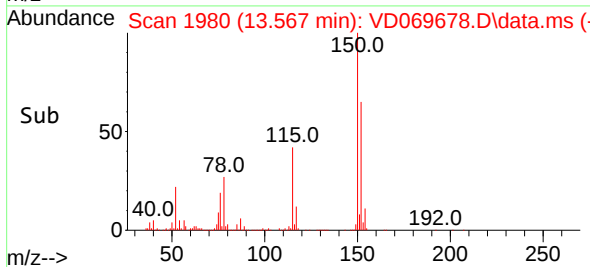
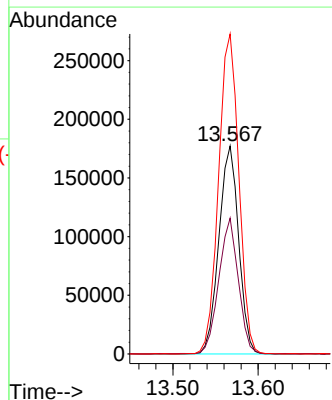
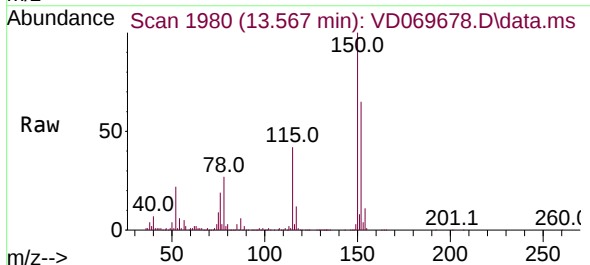
Instrument :
MSVOA_D
ClientSampleId :

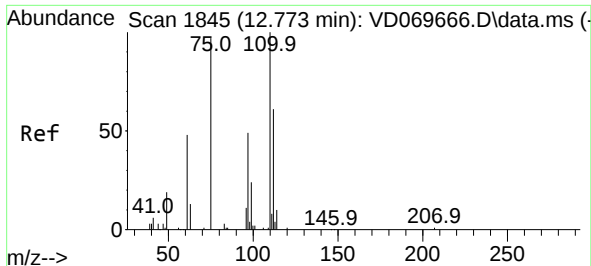
Tgt Ion:117 Resp: 967989
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 33.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion:152 Resp: 285807
Ion Ratio Lower Upper
152 100
115 64.5 31.7 95.1
150 157.6 0.0 350.4

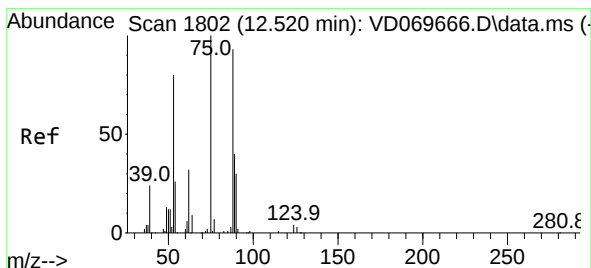
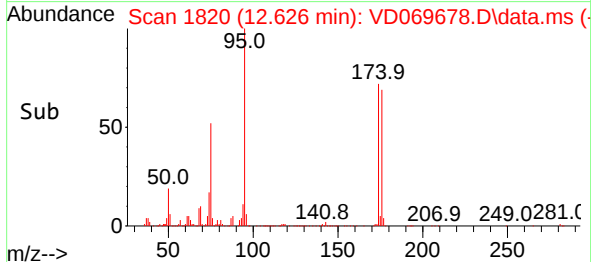
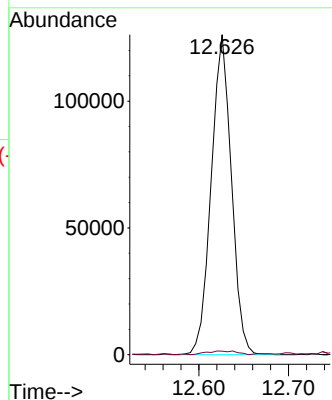
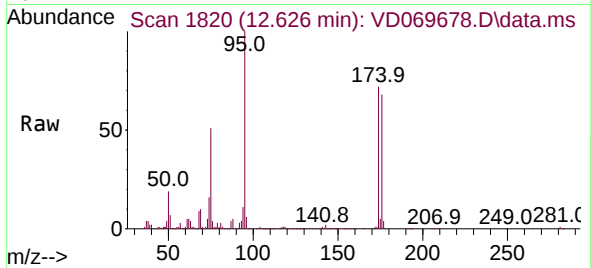




#76
1,2,3-Trichloropropane
Concen: 70.923 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

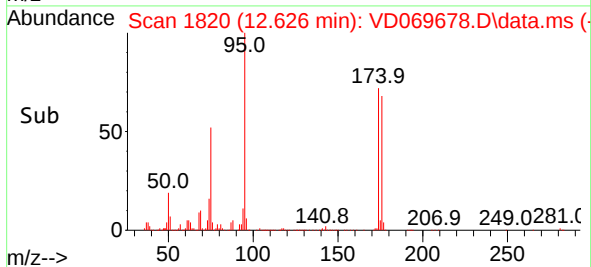
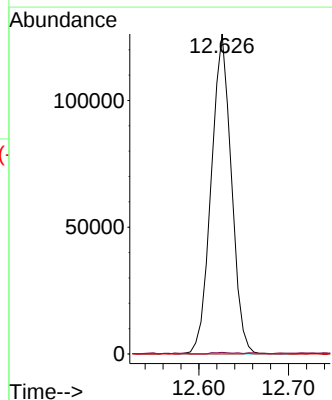
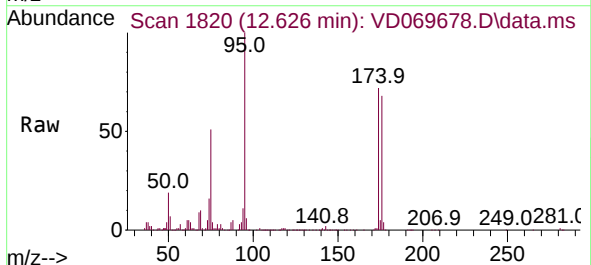
Instrument :
MSVOA_D
ClientSampleId :

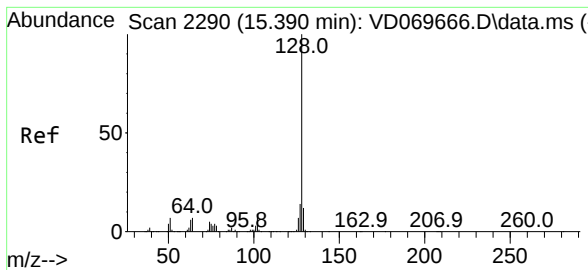
Tgt Ion: 75 Resp: 196919
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 190.601 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069678.D
Acq: 13 Jul 2021 18:58

Tgt Ion: 75 Resp: 196919
Ion Ratio Lower Upper
75 100
53 0.5 70.6 106.0#
89 0.0 35.1 52.7#





#95
 Naphthalene
 Concen: 2.629 ug/l
 RT: 15.385 min Scan# 2289
 Delta R.T. -0.005 min
 Lab File: VD069678.D
 Acq: 13 Jul 2021 18:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:	128	Resp:	4012
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.6	16.0
129	6.9	8.8	13.2#

