

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069874.D
 Acq On : 27 Jul 2021 18:48
 Operator : VA/SY
 Sample : M3184-03
 Misc : 7.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 04:00:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

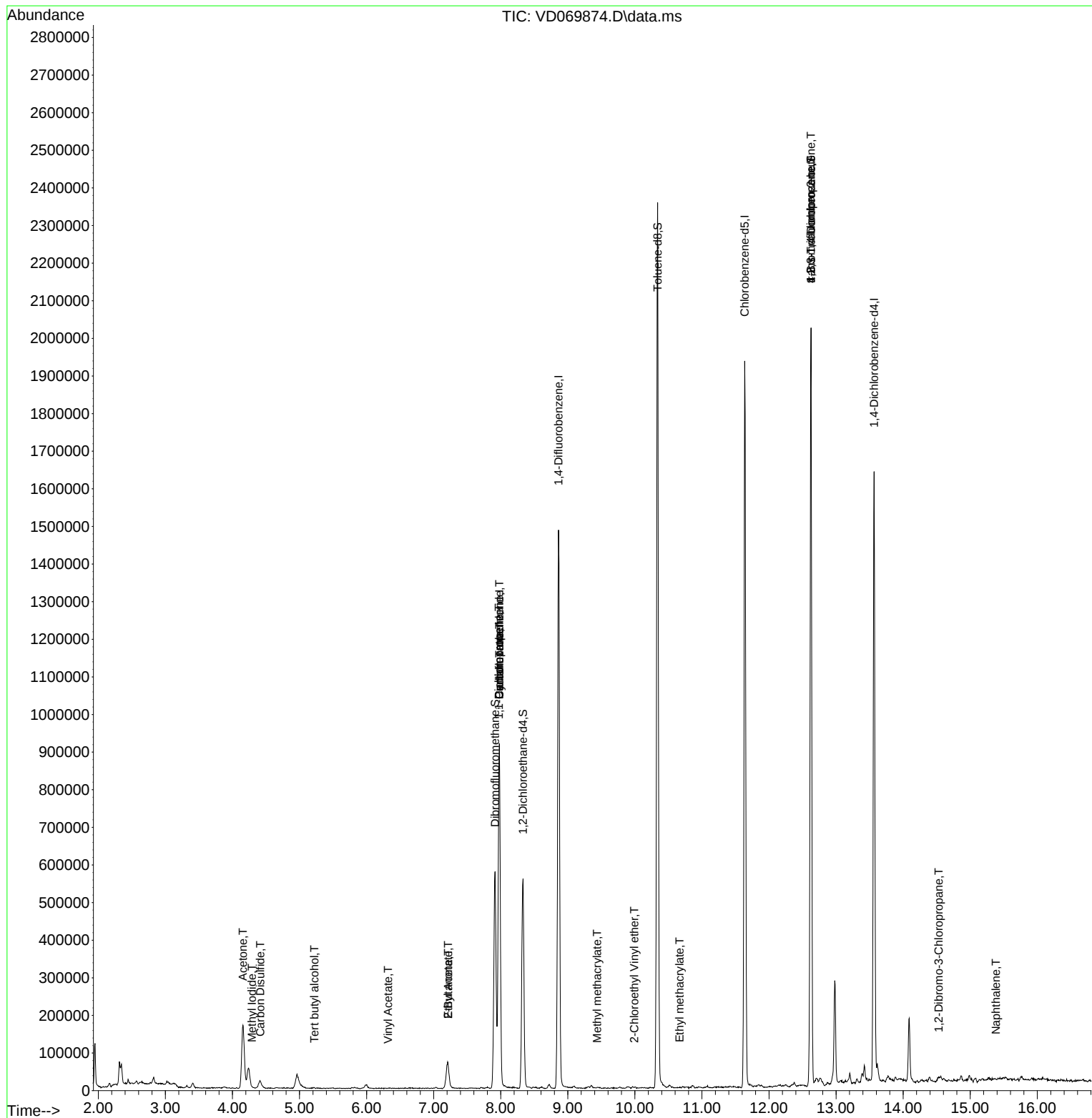
Internal Standards						
1) Pentafluorobenzene	7.979	168	643497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1260962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1130986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	420736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	446646	60.351	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.700%			
35) Dibromofluoromethane	7.914	113	427223	53.745	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.480%			
50) Toluene-d8	10.338	98	1593944	52.003	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.000%			
62) 4-Bromofluorobenzene	12.626	95	499057	48.718	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.440%			
Target Compounds						Qvalue
5) Bromomethane	2.773	94	2108	Below Cal		82
10) Methyl Iodide	4.291	142	703	3.544 ug/l #		49
11) Tert butyl alcohol	5.220	59	1411	3.685 ug/l #		73
16) Acetone	4.156	43	297945	222.858 ug/l		96
17) Carbon Disulfide	4.415	76	39793	1.512 ug/l		98
20) Methylene Chloride	4.962	84	28865	Below Cal		91
23) Vinyl Acetate	6.320	43	78	20.355 ug/l #		71
25) 2-Butanone	7.214	43	86331	47.617 ug/l		93
31) Cyclohexane	7.979	56	15671	1.084 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	58413	4.293 ug/l #		49
37) Ethyl Acetate	7.214	43	86331	17.427 ug/l #		68
38) Carbon Tetrachloride	7.979	117	69792	5.615 ug/l #		19
48) Methyl methacrylate	9.438	41	252	2.797 ug/l #		34
56) Ethyl methacrylate	10.667	69	304	3.927 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.991	63	71	20.887 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	248794	55.632 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	248794	168.774 ug/l #		17
92) 1,2-Dibromo-3-Chloropr...	14.532	75	1433	1.648 ug/l #		10
95) Naphthalene	15.385	128	1767	5.114 ug/l #		93

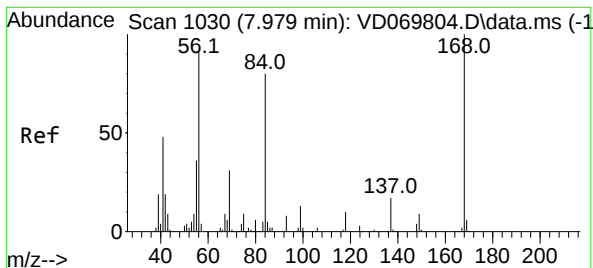
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 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: VD069874.D

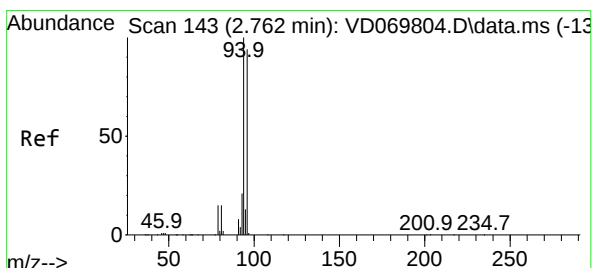
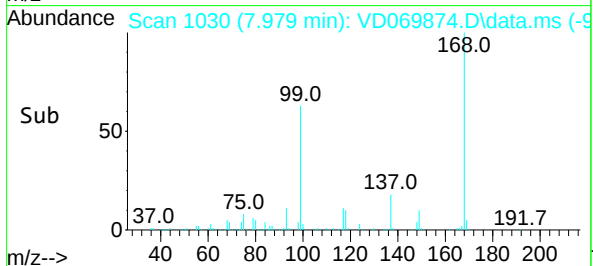
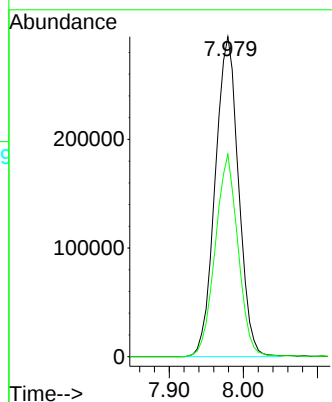
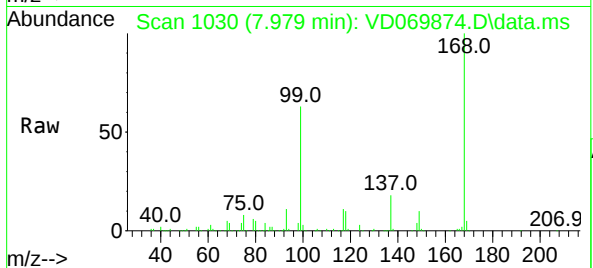
Acq: 27 Jul 2021 18:48

Tgt Ion:168 Resp: 643497

Ion Ratio Lower Upper

168 100

99 63.3 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD069874.D

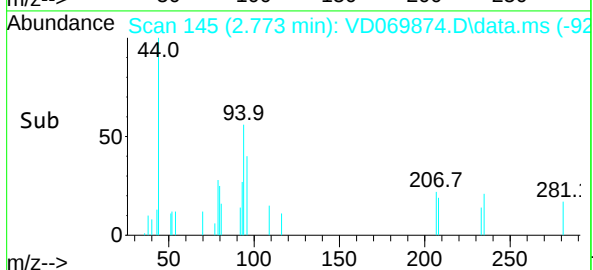
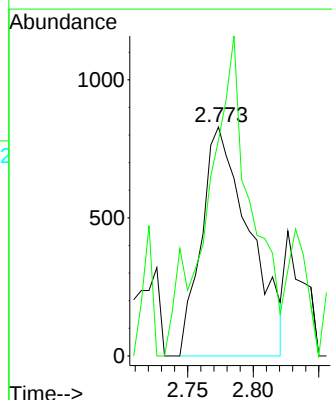
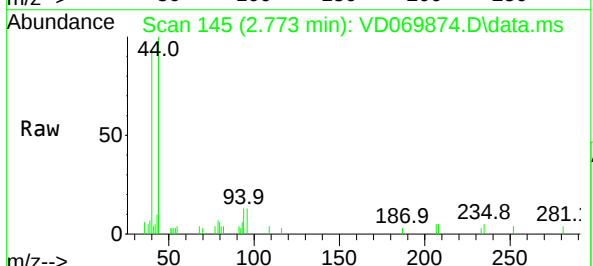
Acq: 27 Jul 2021 18:48

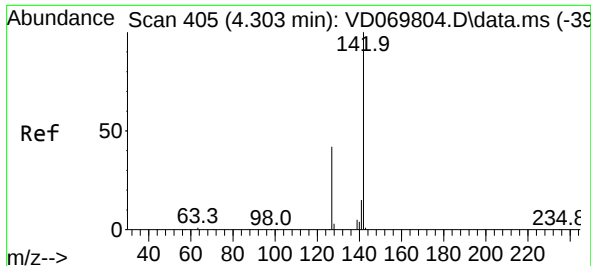
Tgt Ion: 94 Resp: 2108

Ion Ratio Lower Upper

94 100

96 75.9 74.8 112.2

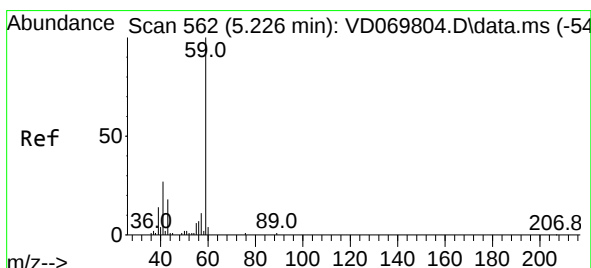
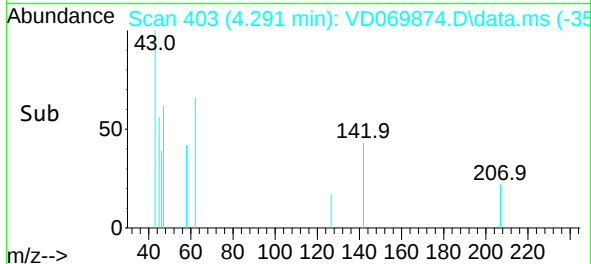
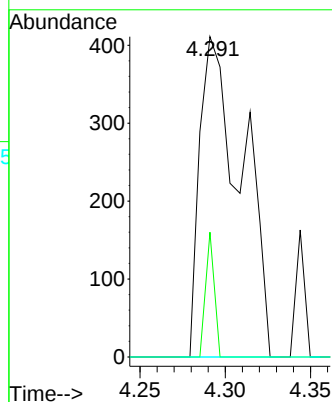
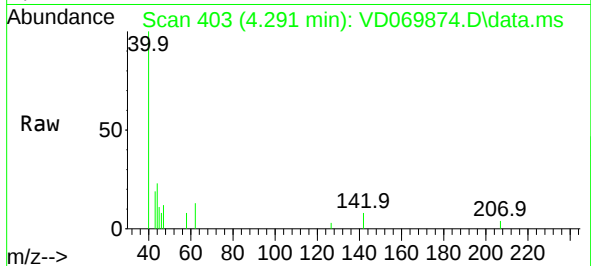




#10
Methyl Iodide
Concen: 3.544 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

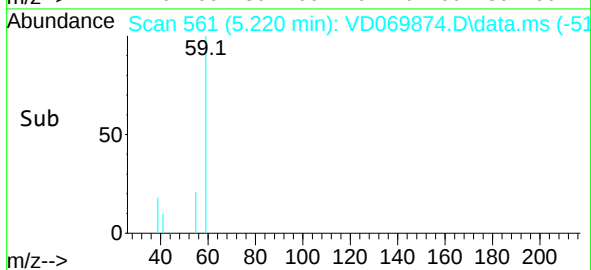
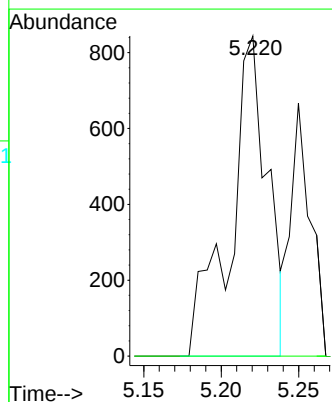
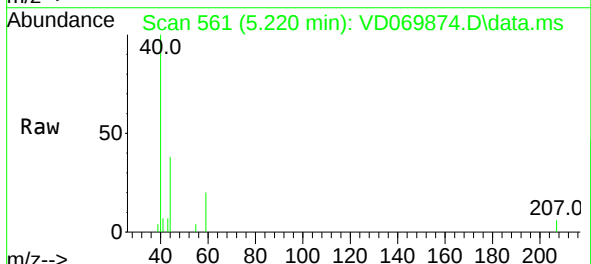
Instrument :
MSVOA_D
ClientSampled :

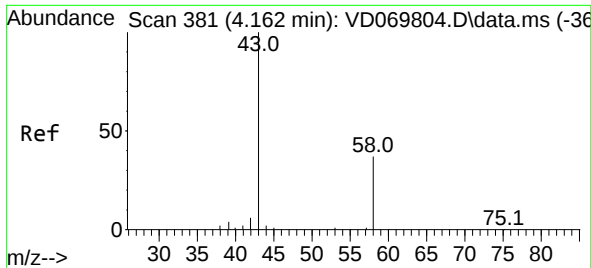
Tgt Ion:142 Resp: 703
Ion Ratio Lower Upper
142 100
127 8.0 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.685 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion: 59 Resp: 1411
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

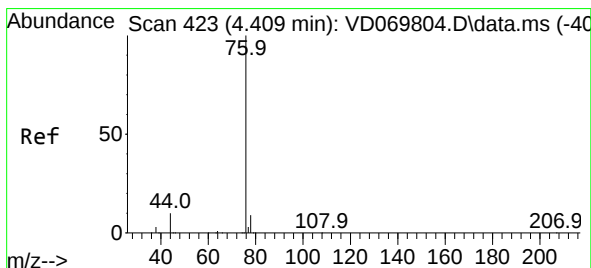
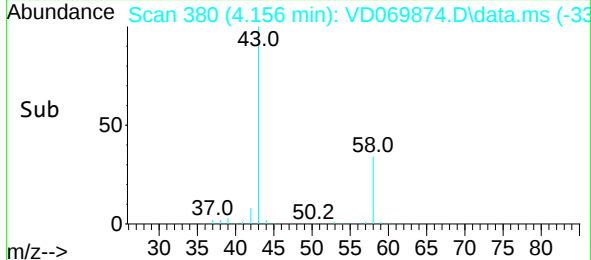
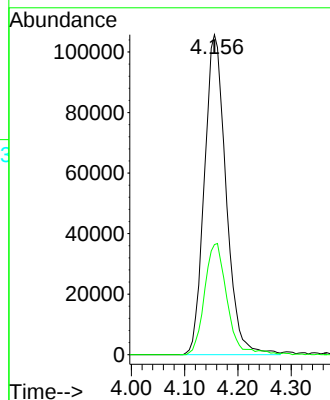
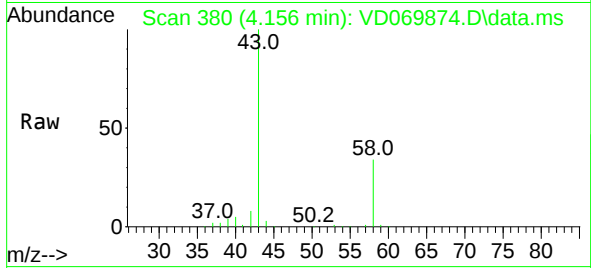




#16
Acetone
Concen: 222.858 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

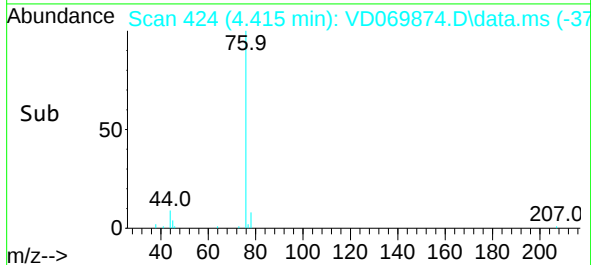
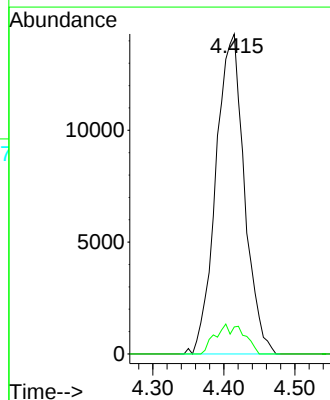
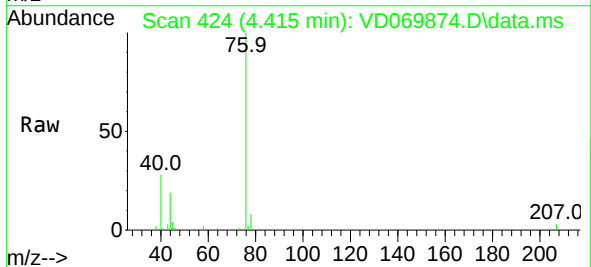
Instrument :
MSVOA_D
ClientSampled :

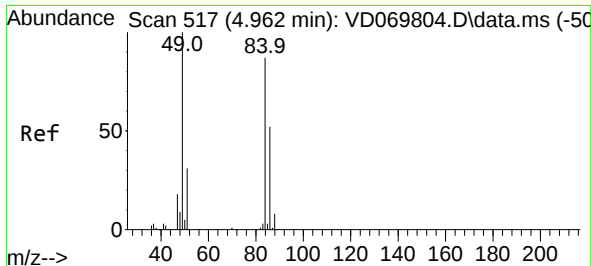
Tgt Ion: 43 Resp: 297945
Ion Ratio Lower Upper
43 100
58 34.4 29.4 44.0



#17
Carbon Disulfide
Concen: 1.512 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

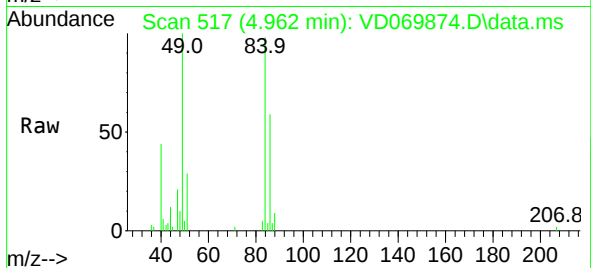
Tgt Ion: 76 Resp: 39793
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



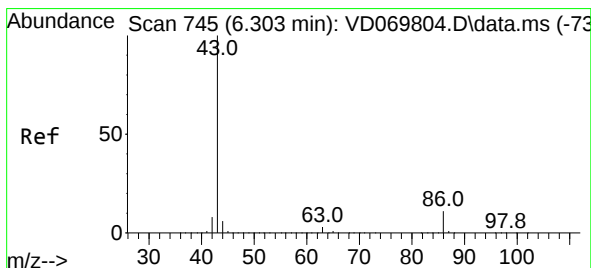
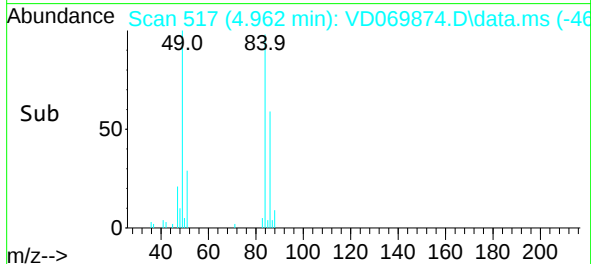
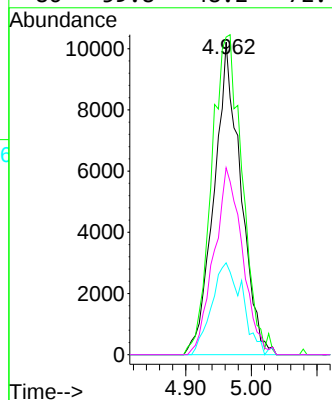


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Instrument :
MSVOA_D
ClientSampleId :

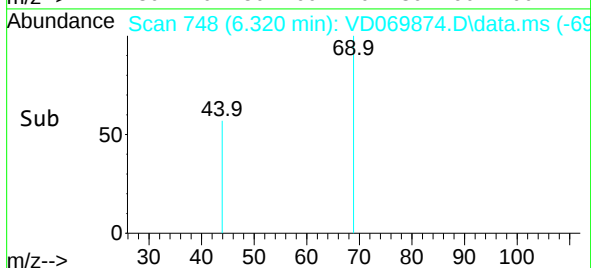
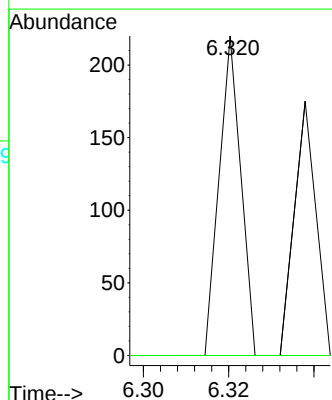
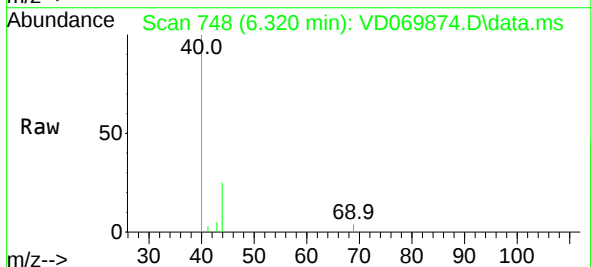


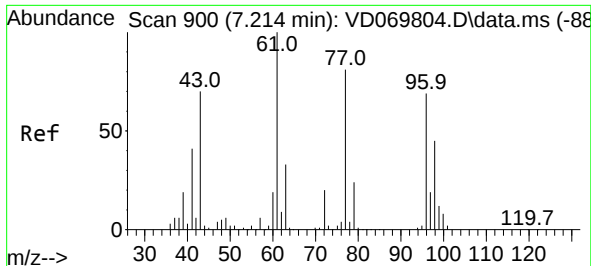
Tgt Ion:	84	Resp:	28865
Ion	Ratio	Lower	Upper
84	100		
49	101.7	92.4	138.6
51	29.4	28.5	42.7
86	59.8	48.2	72.4



#23
Vinyl Acetate
Concen: 20.355 ug/l
RT: 6.320 min Scan# 748
Delta R.T. 0.017 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion:	43	Resp:	78
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

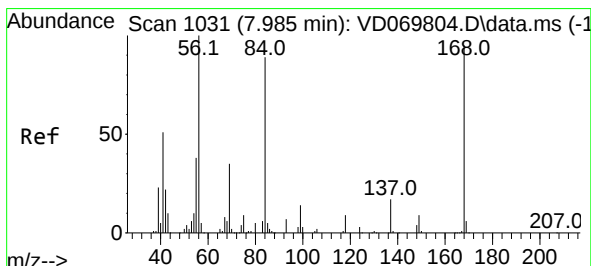
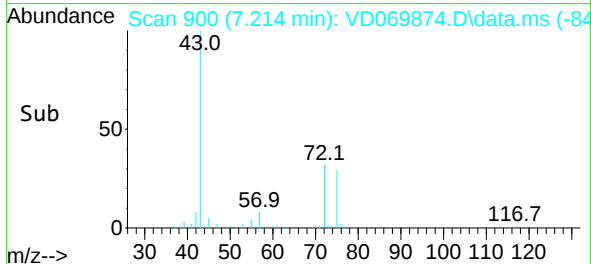
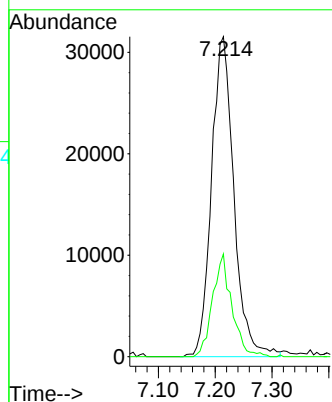
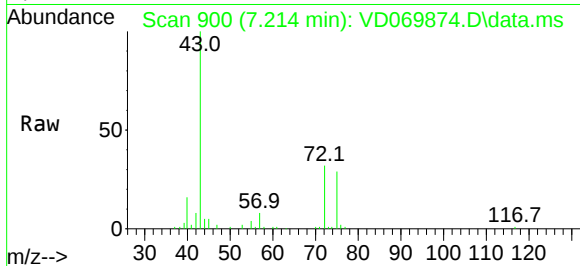




#25
2-Butanone
Concen: 47.617 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.000 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

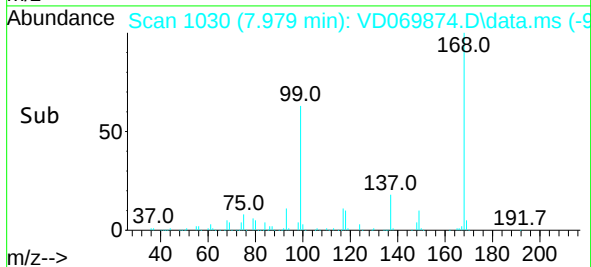
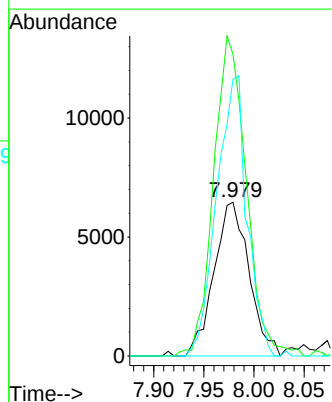
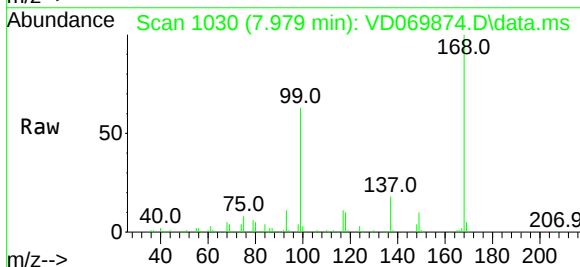
Instrument :
MSVOA_D
ClientSampleId :

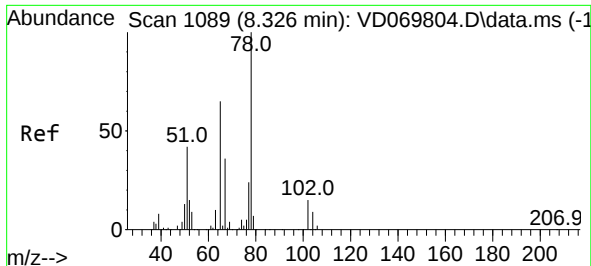
Tgt Ion: 43 Resp: 86331
Ion Ratio Lower Upper
43 100
72 32.1 22.8 34.2



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion: 56 Resp: 15671
Ion Ratio Lower Upper
56 100
69 193.5 27.9 41.9#
84 179.9 71.4 107.2#

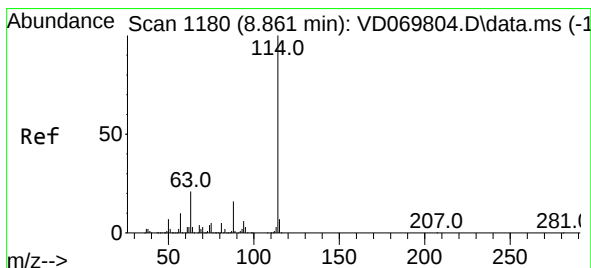
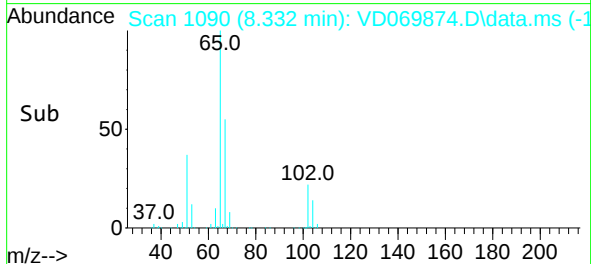
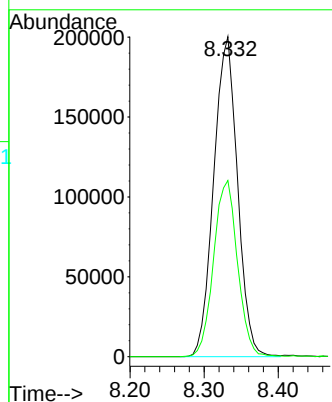
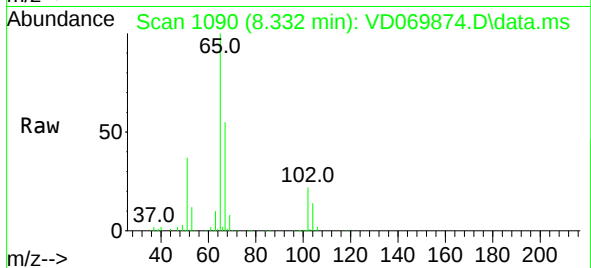




#33
1,2-Dichloroethane-d4
Concen: 60.351 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

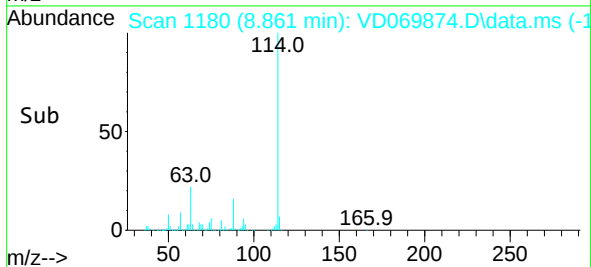
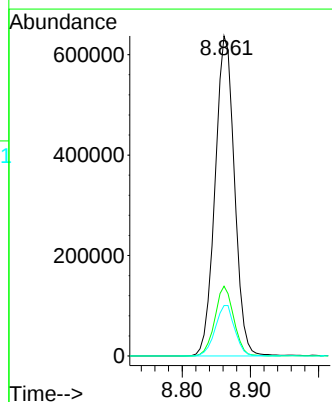
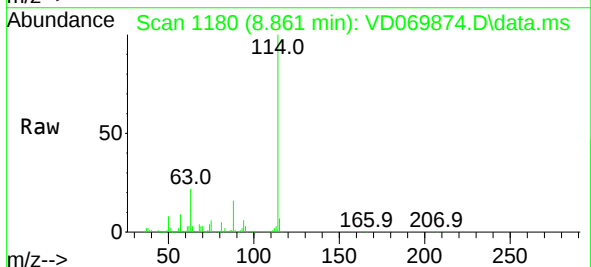
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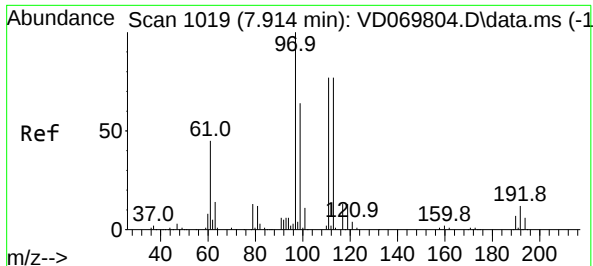
Tgt Ion: 65 Resp: 446646
Ion Ratio Lower Upper
65 100
67 55.5 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion: 114 Resp: 1260962
Ion Ratio Lower Upper
114 100
63 21.8 0.0 41.6
88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.745 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069874.D

Acq: 27 Jul 2021 18:48

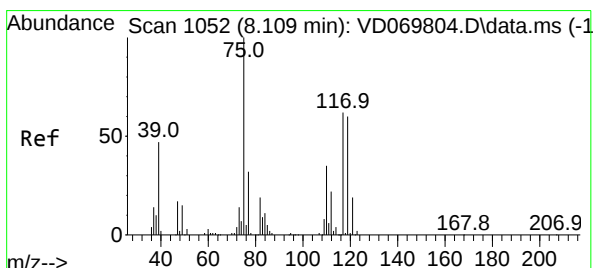
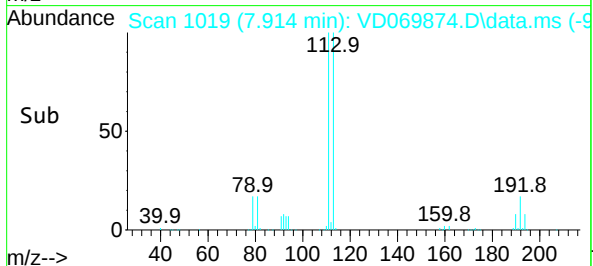
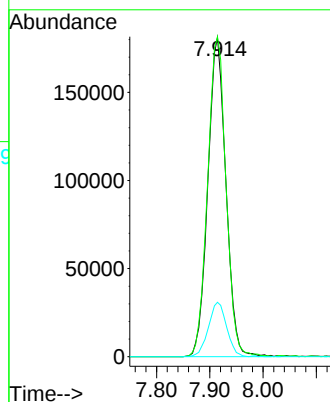
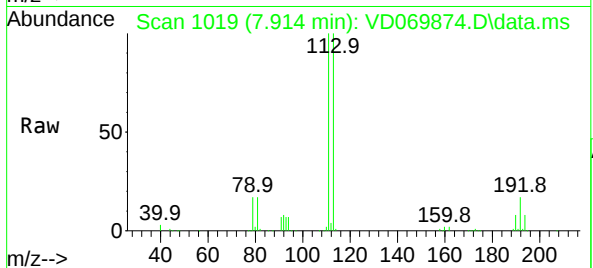
Tgt Ion:113 Resp: 427223

Ion Ratio Lower Upper

113 100

111 102.0 80.5 120.7

192 17.2 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.293 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD069874.D

Acq: 27 Jul 2021 18:48

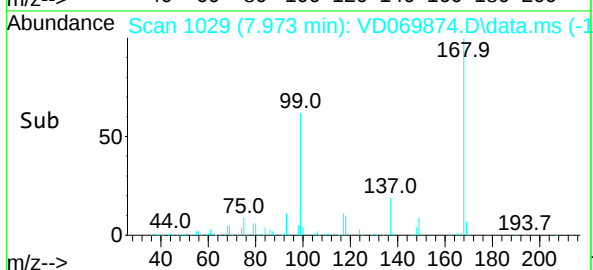
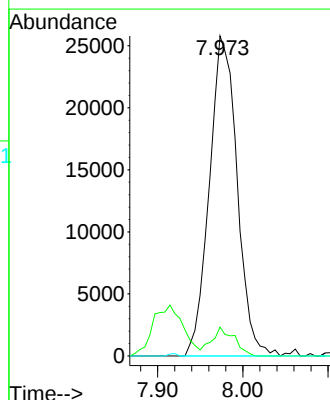
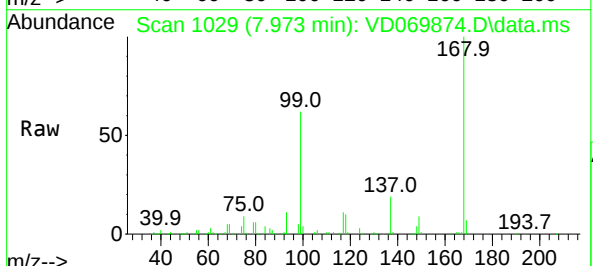
Tgt Ion: 75 Resp: 58413

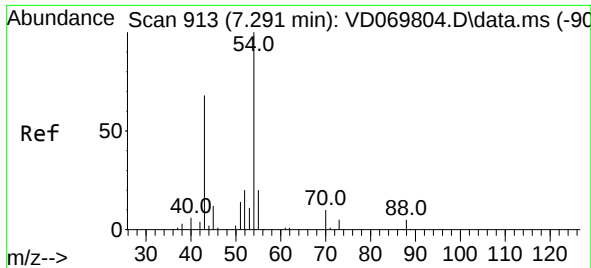
Ion Ratio Lower Upper

75 100

110 7.3 16.9 50.7#

77 0.0 24.9 37.3#

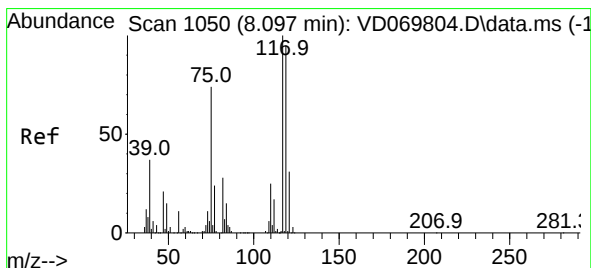
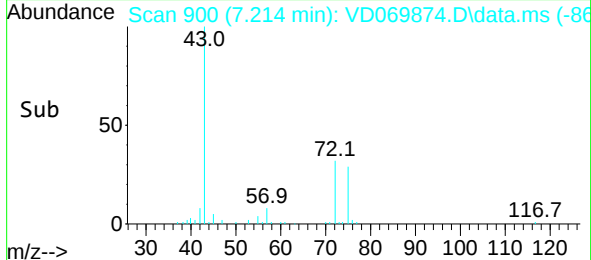
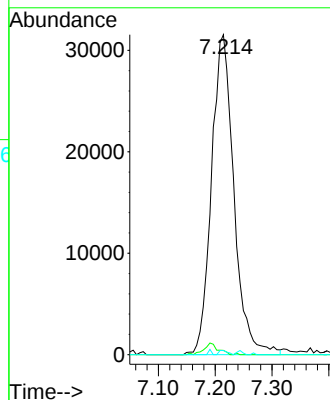
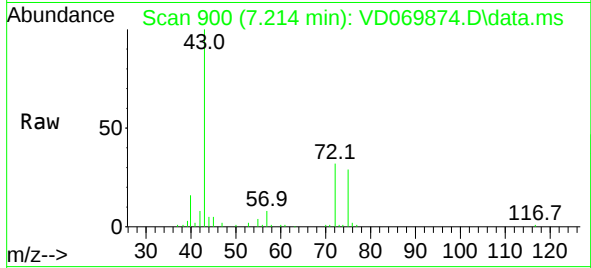




#37
Ethyl Acetate
Concen: 17.427 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

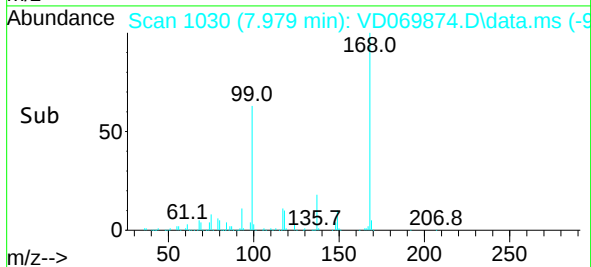
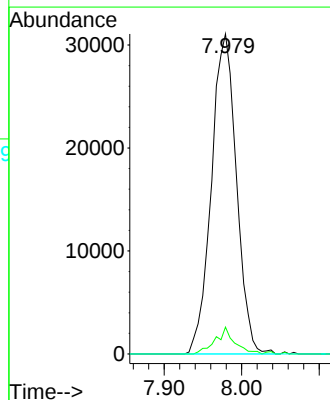
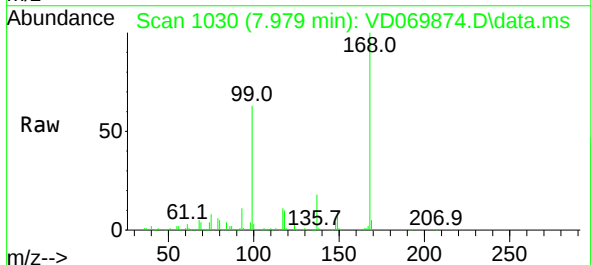
Instrument :
MSVOA_D
ClientSampled :

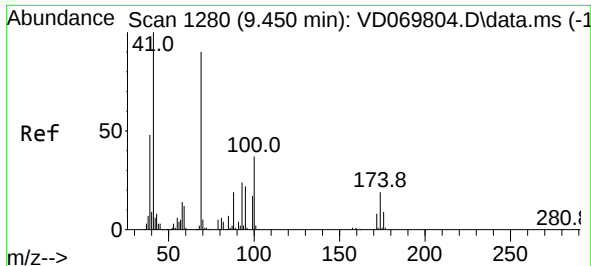
Tgt Ion: 43 Resp: 86331
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.5 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.615 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion: 117 Resp: 69792
Ion Ratio Lower Upper
117 100
119 8.4 76.2 114.2#
121 0.0 24.5 36.7#





#48

Methyl methacrylate

Concen: 2.797 ug/l

RT: 9.438 min Scan# 1278

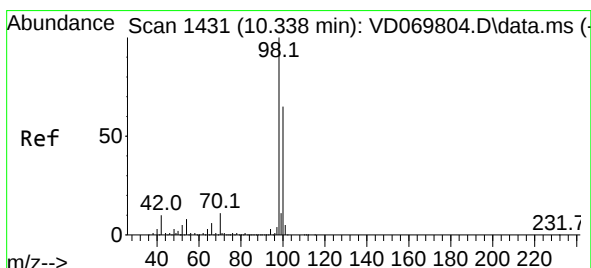
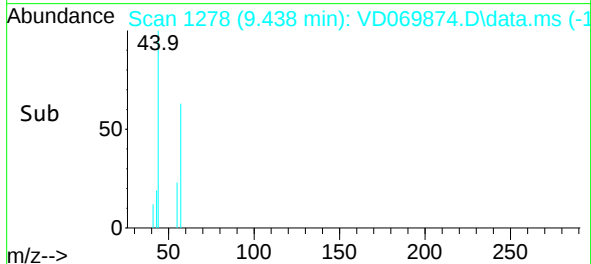
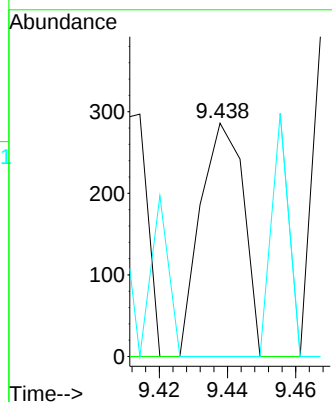
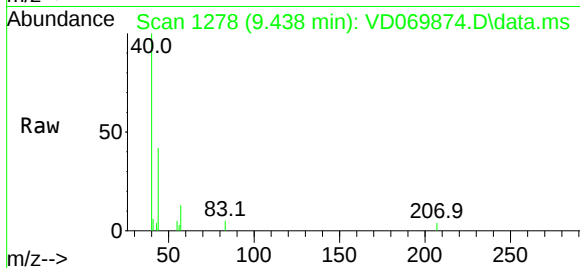
Delta R.T. -0.012 min

Lab File: VD069874.D

Acq: 27 Jul 2021 18:48

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:	41	Resp:	252
Ion	Ratio	Lower	Upper
41	100		
69	0.0	73.4	110.2#
39	41.7	36.6	55.0



#50

Toluene-d8

Concen: 52.003 ug/l

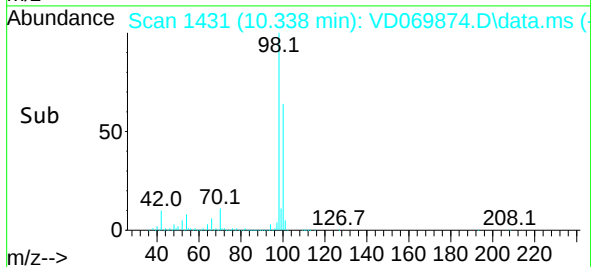
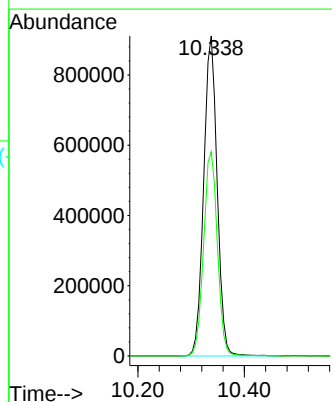
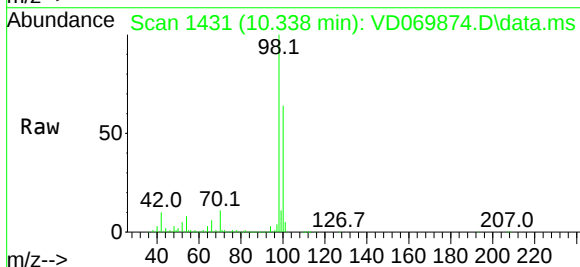
RT: 10.338 min Scan# 1431

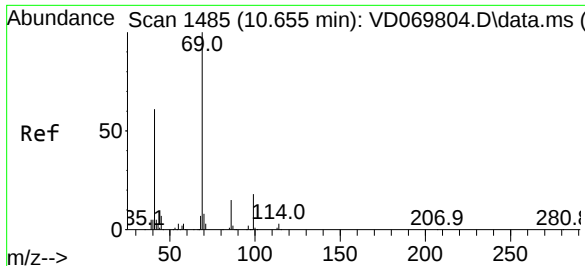
Delta R.T. -0.000 min

Lab File: VD069874.D

Acq: 27 Jul 2021 18:48

Tgt Ion:	98	Resp:	1593944
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9

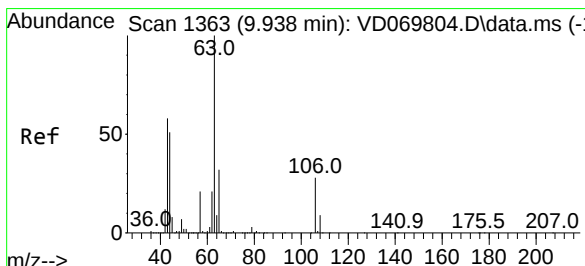
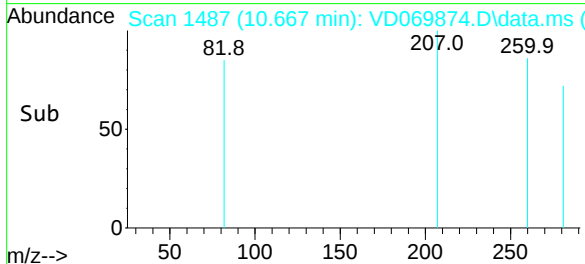
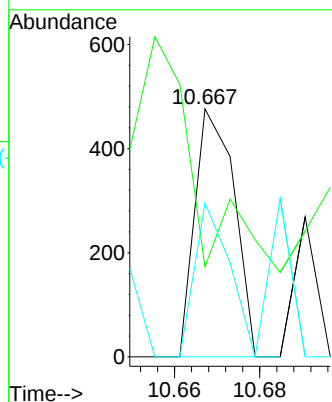
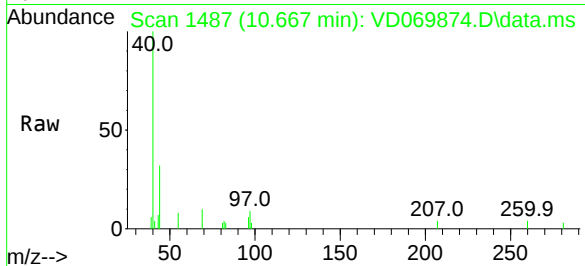




#56
Ethyl methacrylate
Concen: 3.927 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

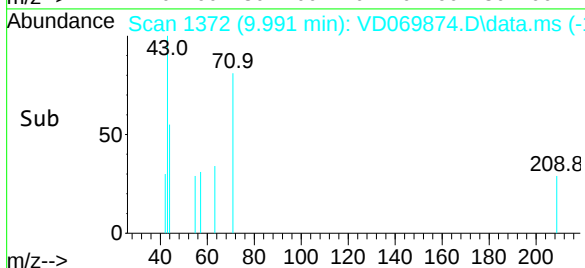
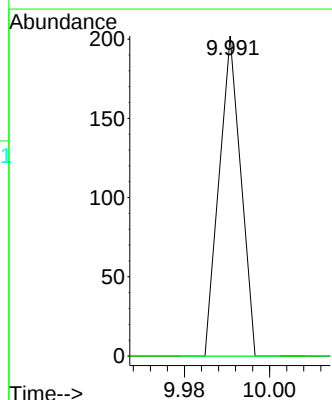
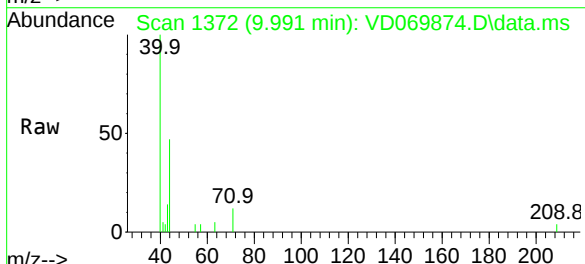
Instrument :
MSVOA_D
ClientSampleId :

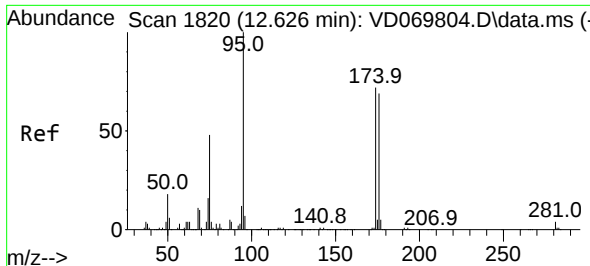
Tgt Ion: 69 Resp: 304
Ion Ratio Lower Upper
69 100
41 303.0 50.2 75.2#
39 55.3 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.887 ug/l
RT: 9.991 min Scan# 1372
Delta R.T. 0.053 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion: 63 Resp: 71
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

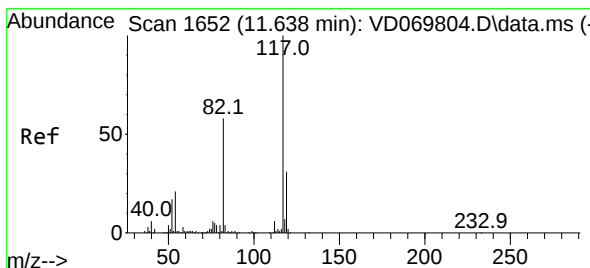
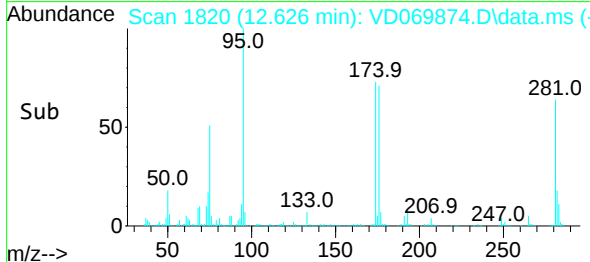
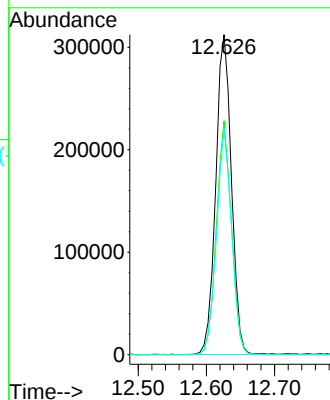
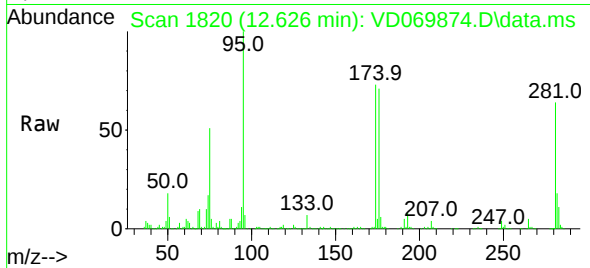




#62
4-Bromofluorobenzene
Concen: 48.718 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

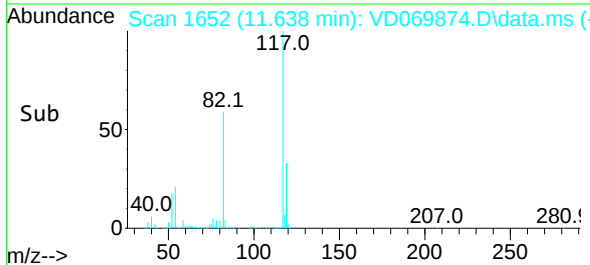
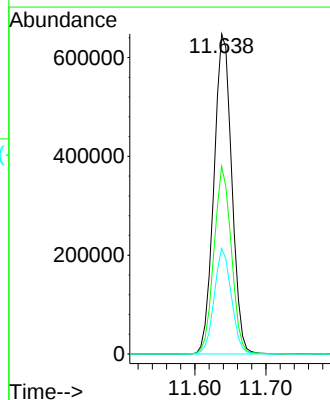
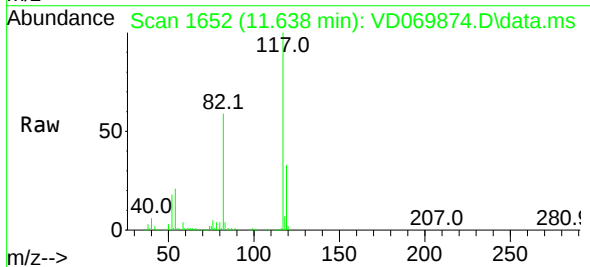
Instrument :
MSVOA_D
ClientSampleId :

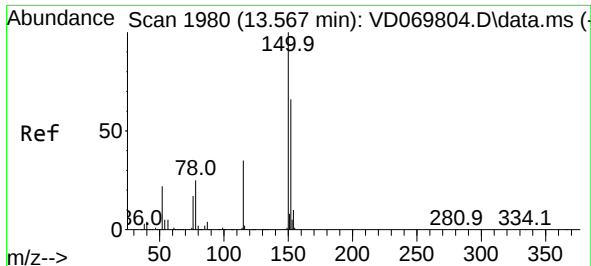
Tgt Ion: 95 Resp: 499057
Ion Ratio Lower Upper
95 100
174 70.6 0.0 142.6
176 68.0 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion:117 Resp: 1130986
Ion Ratio Lower Upper
117 100
82 58.7 46.3 69.5
119 33.0 24.7 37.1

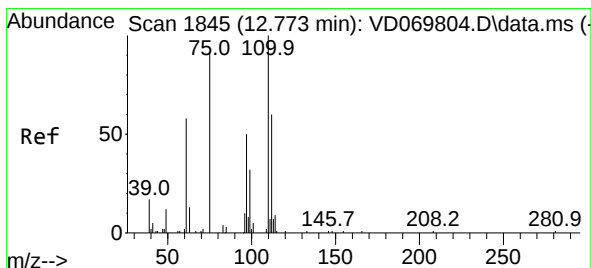
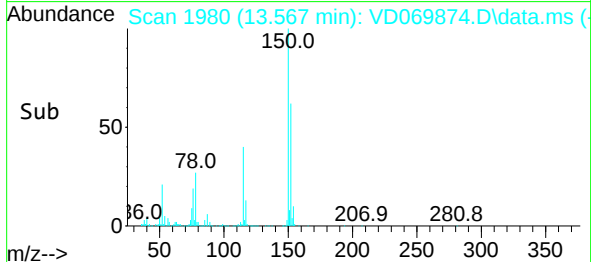
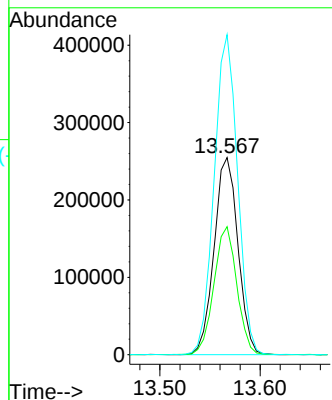
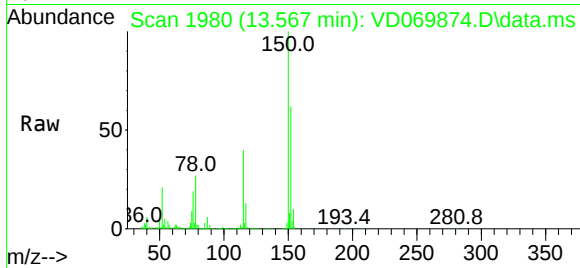




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069874.D
 Acq: 27 Jul 2021 18:48

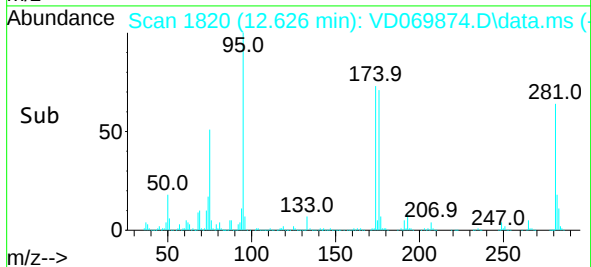
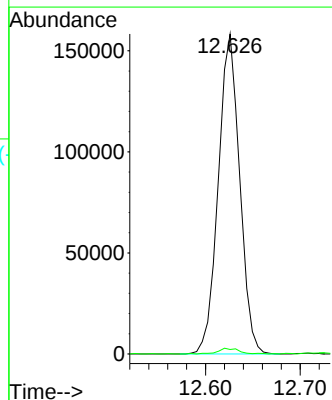
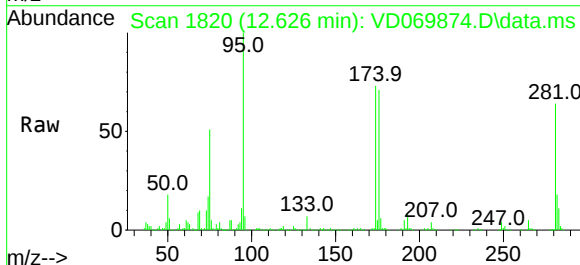
Instrument :
 MSVOA_D
 ClientSampleId :

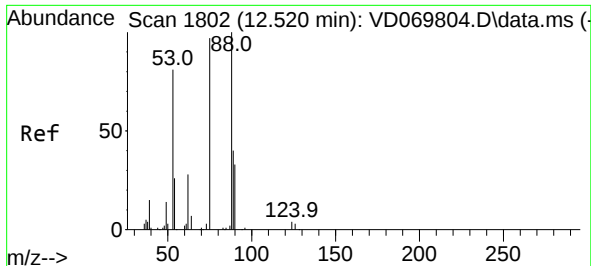
Tgt Ion:152 Resp: 420736
 Ion Ratio Lower Upper
 152 100
 115 62.6 31.1 93.3
 150 159.2 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 55.632 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069874.D
 Acq: 27 Jul 2021 18:48

Tgt Ion: 75 Resp: 248794
 Ion Ratio Lower Upper
 75 100
 77 1.7 181.5 544.5#

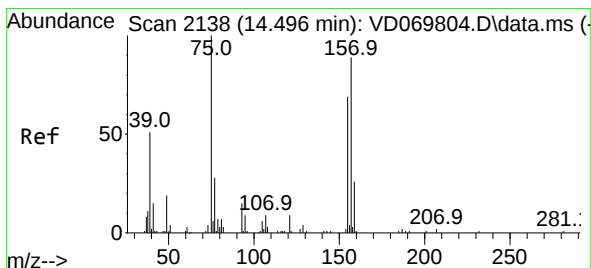
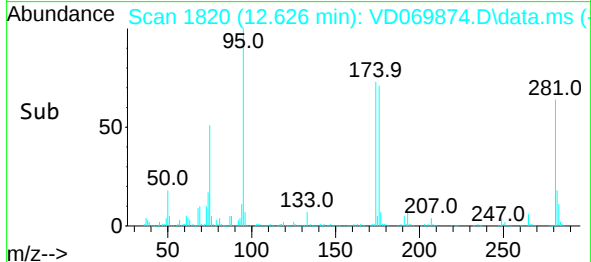
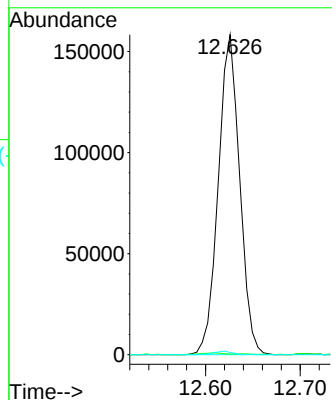
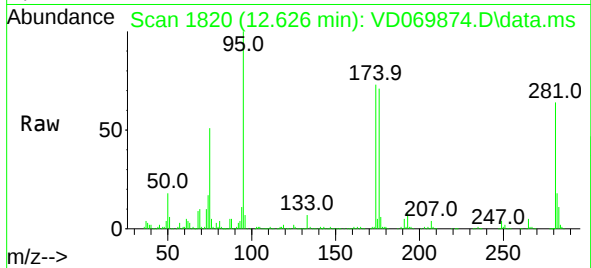




#81
trans-1,4-Dichloro-2-butene
Concen: 168.774 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

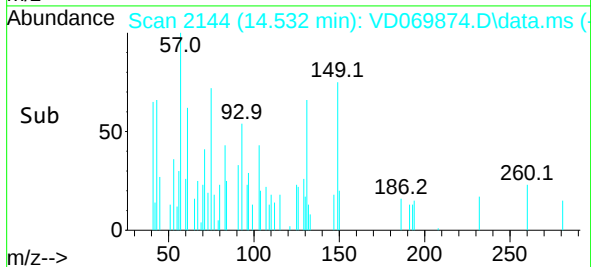
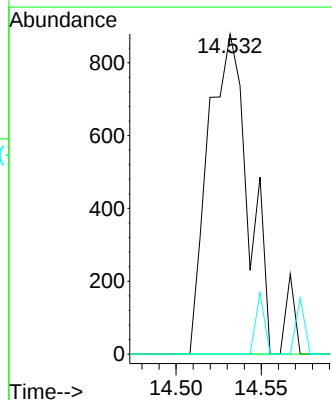
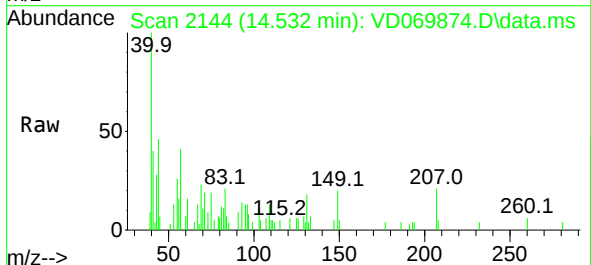
Instrument :
MSVOA_D
ClientSampleId :

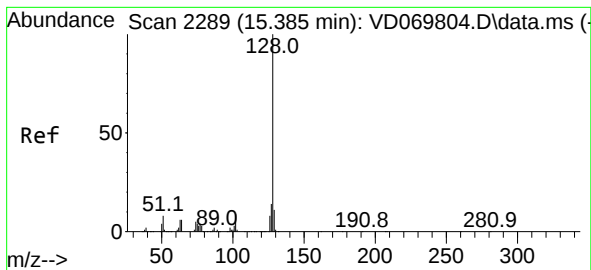
Tgt Ion: 75 Resp: 248794
Ion Ratio Lower Upper
75 100
53 0.9 67.2 100.8#
89 1.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.648 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Tgt Ion: 75 Resp: 1433
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 4.1 47.0 141.0#





#95
Naphthalene
Concen: 5.114 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069874.D
Acq: 27 Jul 2021 18:48

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1767
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 16.2 8.6 12.8#

