

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071421.D
 Acq On : 21 Dec 2021 20:08
 Operator : VA/SY
 Sample : M5182-05
 Misc : 6.45G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 21:12:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

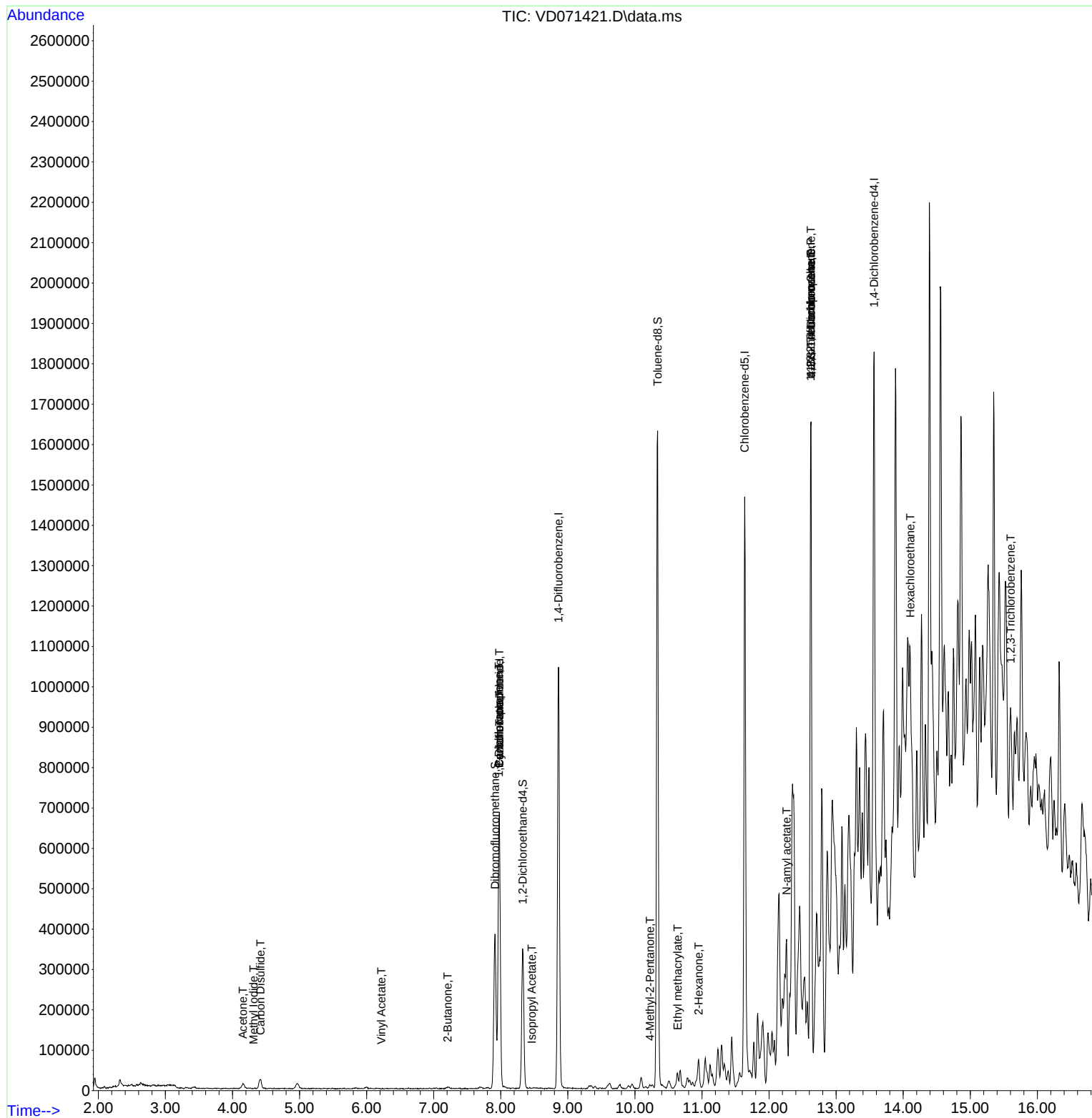
Internal Standards						
1) Pentafluorobenzene	7.979	168	484997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	851215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	760367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	346104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	273510	48.061	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.120%		
35) Dibromofluoromethane	7.914	113	266275	49.124	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.240%		
50) Toluene-d8	10.338	98	1069577	51.852	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.700%		
62) 4-Bromofluorobenzene	12.626	95	369087	51.619	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.240%		
Target Compounds						Qvalue
10) Methyl Iodide	4.314	142	65	4.571	ug/l #	40
11) Tert butyl alcohol	5.191	59	63	Below Cal	#	71
16) Acetone	4.156	43	20700	42.807	ug/l	95
17) Carbon Disulfide	4.420	76	45986	3.488	ug/l	99
20) Methylene Chloride	4.967	84	9148	Below Cal		94
23) Vinyl Acetate	6.220	43	84	27.226	ug/l #	72
25) 2-Butanone	7.208	43	3182	29.975	ug/l #	88
31) Cyclohexane	7.979	56	13987	1.445	ug/l #	4
36) 1,1-Dichloropropene	7.973	75	42877	5.389	ug/l #	52
38) Carbon Tetrachloride	7.979	117	52421	6.684	ug/l #	19
41) Methacrylonitrile	7.497	41	55	Below Cal	#	12
43) Isopropyl Acetate	8.461	43	257	5.253	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	1083	30.897	ug/l #	34
56) Ethyl methacrylate	10.638	69	13632	8.126	ug/l	94
59) 2-Hexanone	10.949	43	30188	43.483	ug/l #	28
74) N-amyl acetate	12.261	43	91118	17.467	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.620	83	12804	3.103	ug/l	69
76) 1,2,3-Trichloropropane	12.626	75	200012	60.655	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	200012	131.260	ug/l #	21
90) Hexachloroethane	14.108	117	12420	2.955	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.602	180	5348	1.099	ug/l #	21

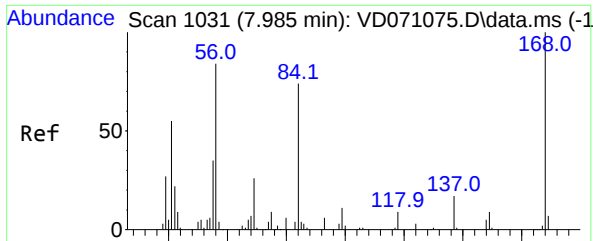
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD071421.D
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Misc : 6.45G/5.00ml/MSVOA_D/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 21 21:12:00 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

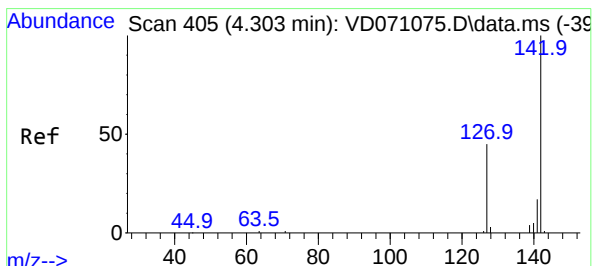
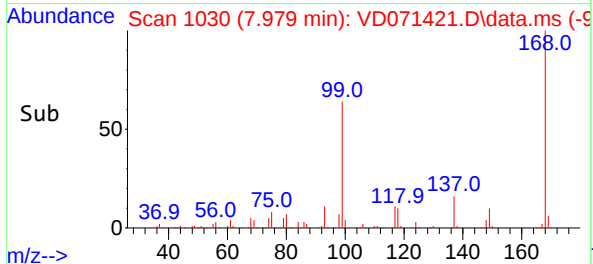
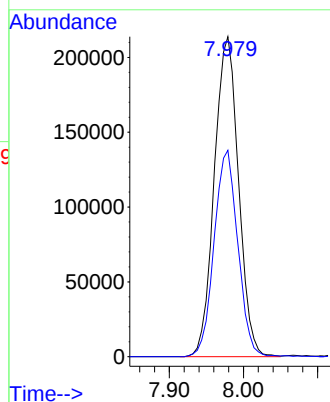
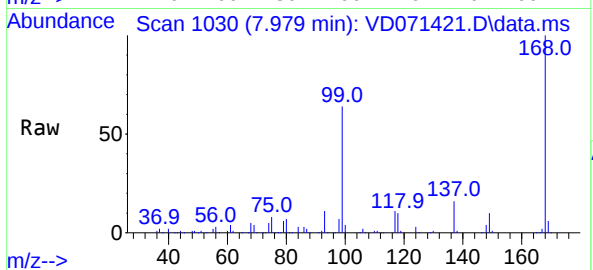




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

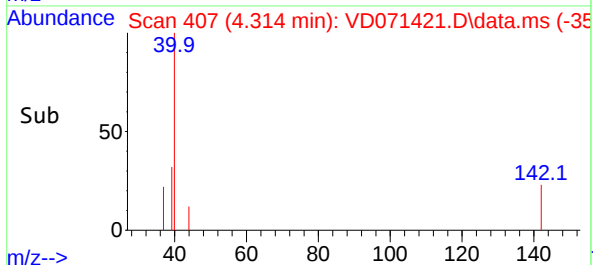
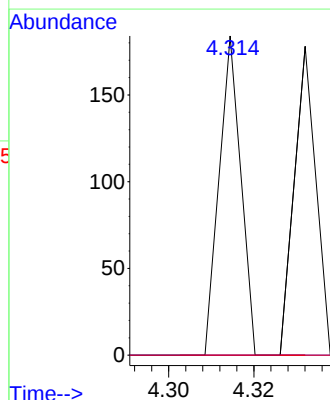
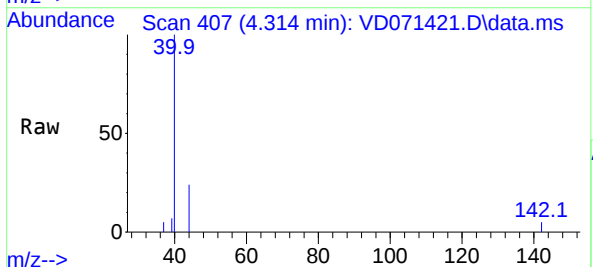
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 484997
Ion Ratio Lower Upper
168 100
99 64.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.571 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

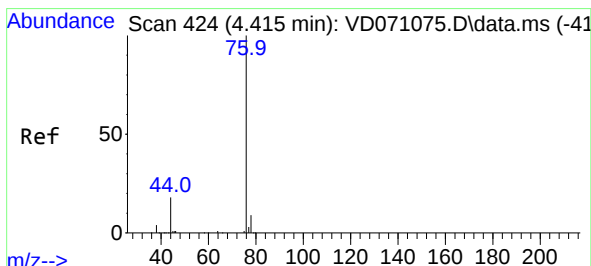
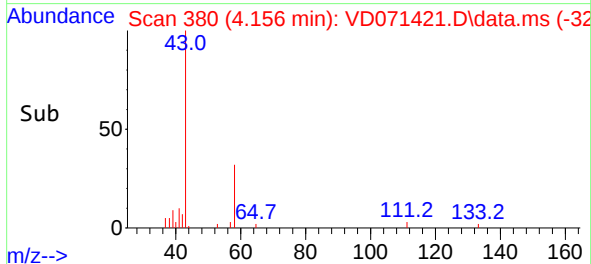
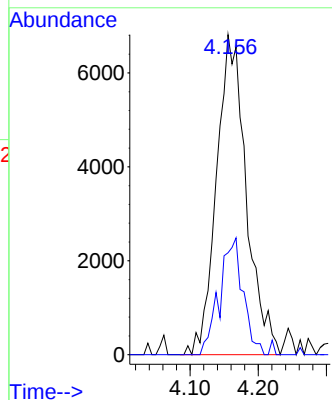
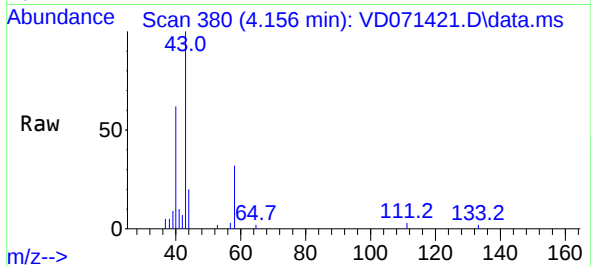




#16
Acetone
Concen: 42.807 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

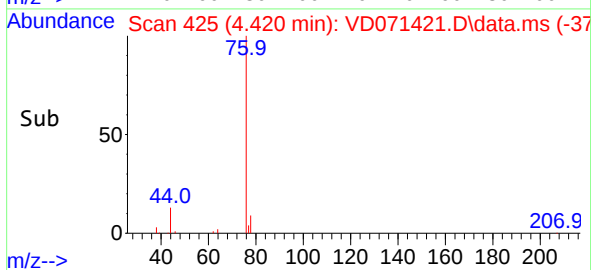
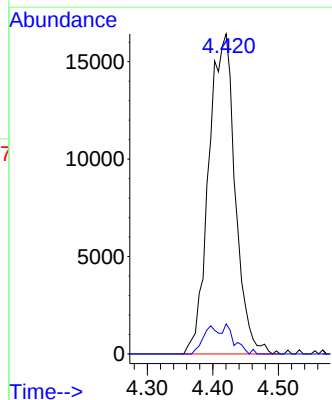
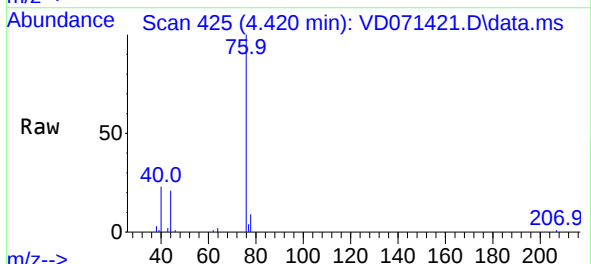
Instrument :
MSVOA_D
ClientSampleId :

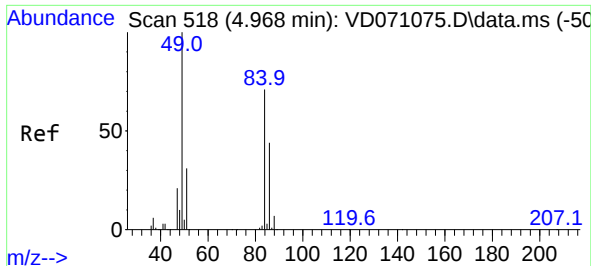
Tgt Ion: 43 Resp: 20700
Ion Ratio Lower Upper
43 100
58 31.9 27.8 41.8



#17
Carbon Disulfide
Concen: 3.488 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.005 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

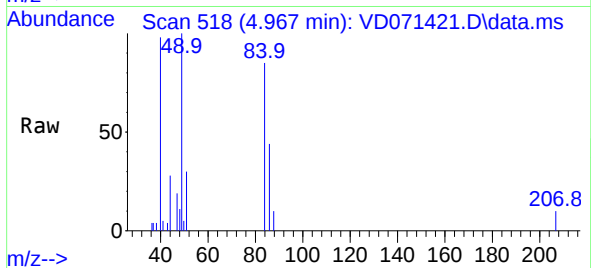
Tgt Ion: 76 Resp: 45986
Ion Ratio Lower Upper
76 100
78 9.4 7.8 11.8





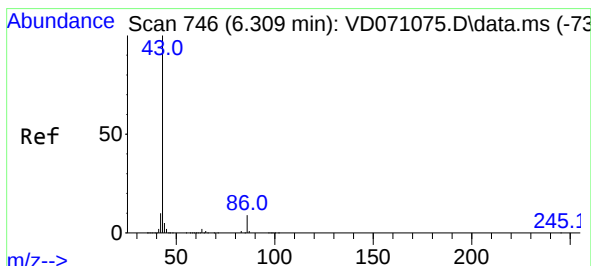
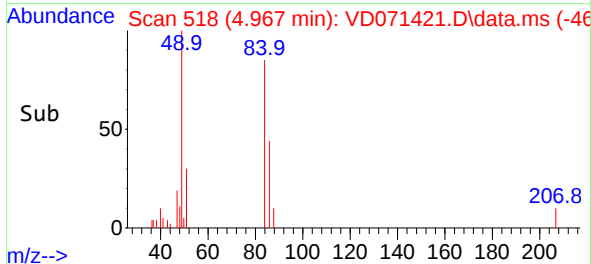
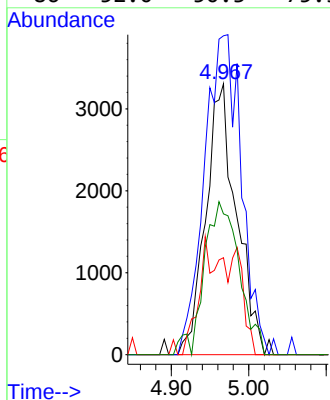
#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 9148

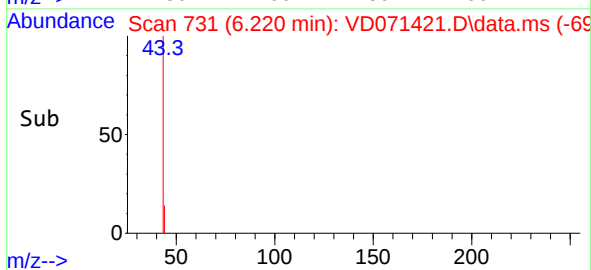
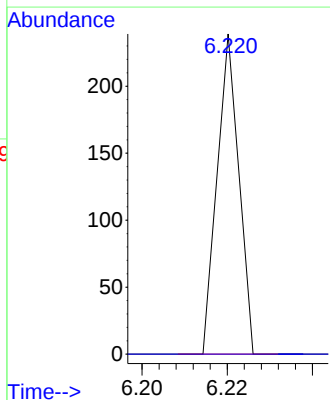
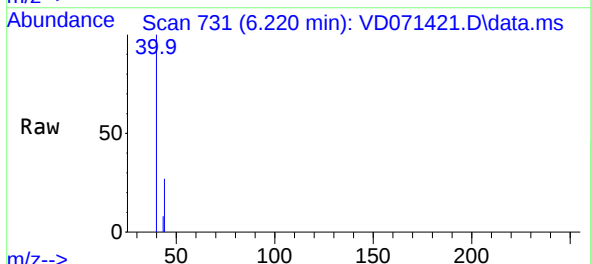
Ion	Ratio	Lower	Upper
84	100		
49	117.7	95.8	143.6
51	35.8	30.9	46.3
86	52.0	50.3	75.5

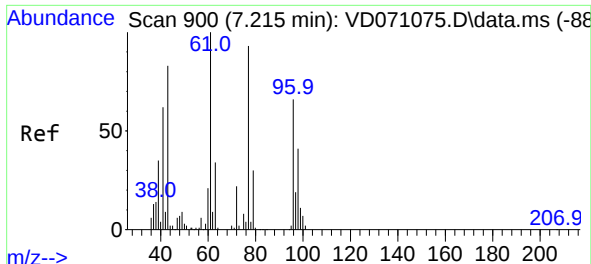


#23
Vinyl Acetate
Concen: 27.226 ug/l
RT: 6.220 min Scan# 731
Delta R.T. -0.089 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion: 43 Resp: 84

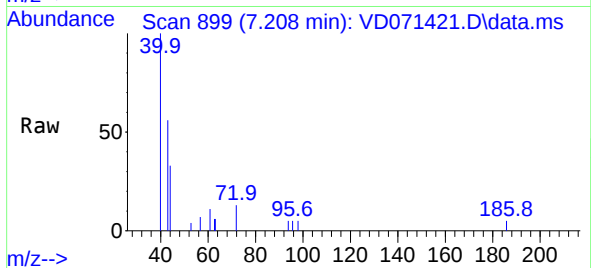
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4



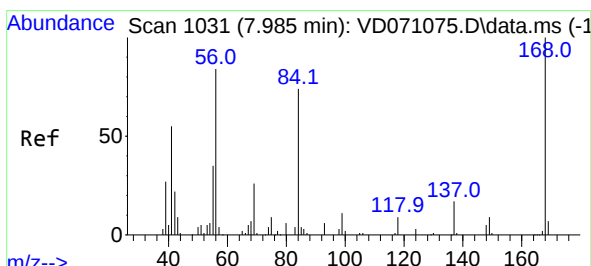
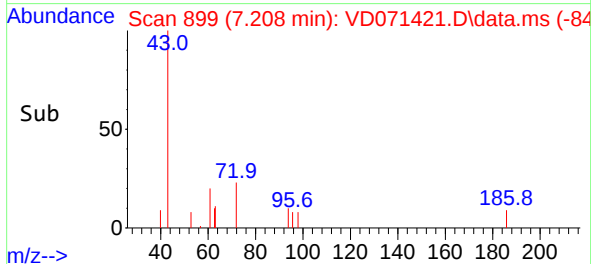
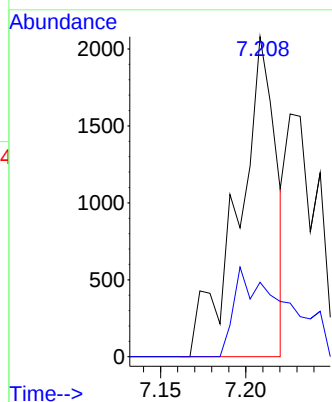


#25
2-Butanone
Concen: 29.975 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.007 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :

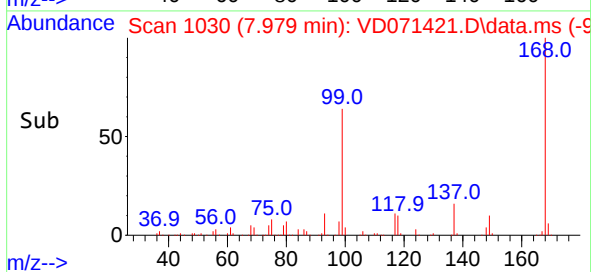
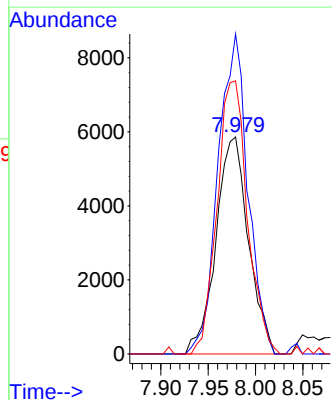
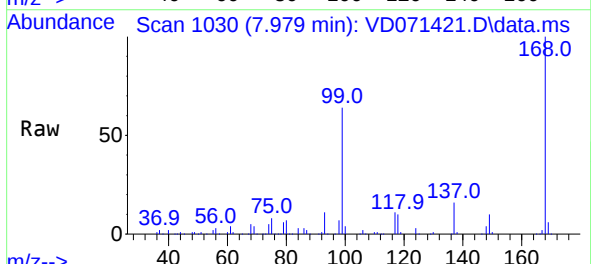


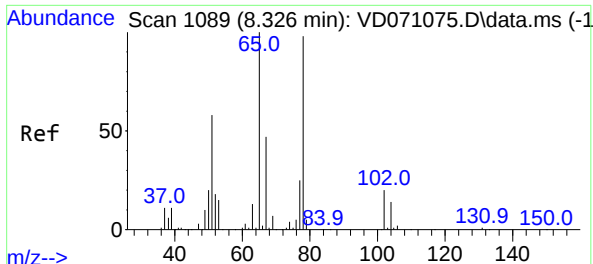
Tgt Ion: 43 Resp: 3182
Ion Ratio Lower Upper
43 100
72 23.3 23.8 35.6#



#31
Cyclohexane
Concen: 1.445 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion: 56 Resp: 13987
Ion Ratio Lower Upper
56 100
69 147.5 25.9 38.9#
84 125.9 64.3 96.5#

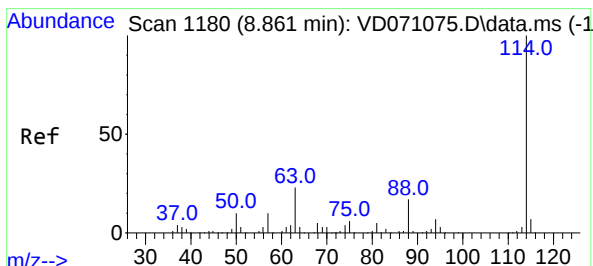
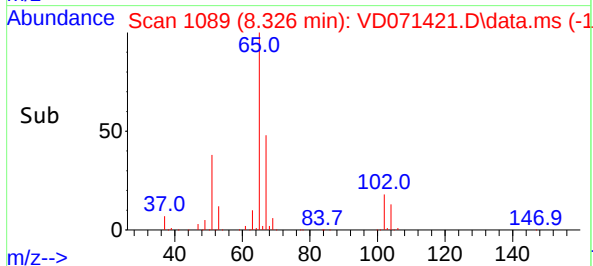
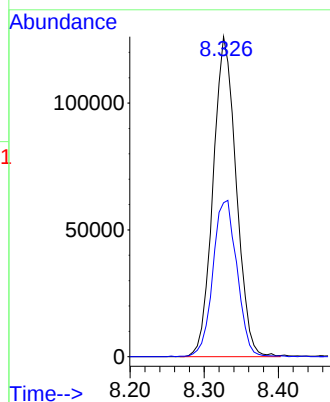
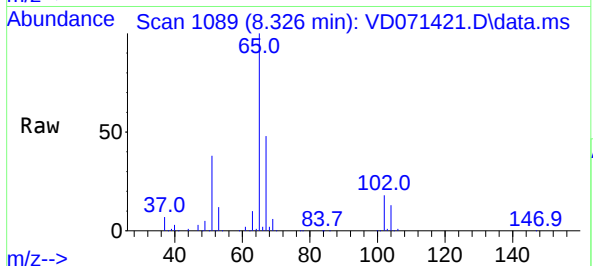




#33
1,2-Dichloroethane-d4
Concen: 48.061 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

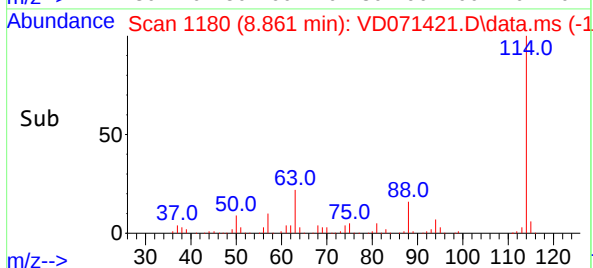
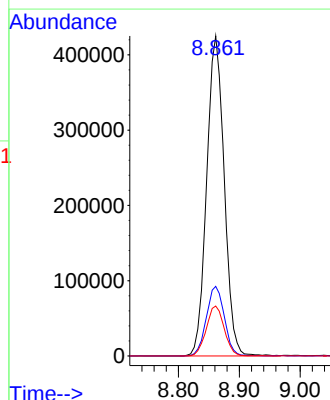
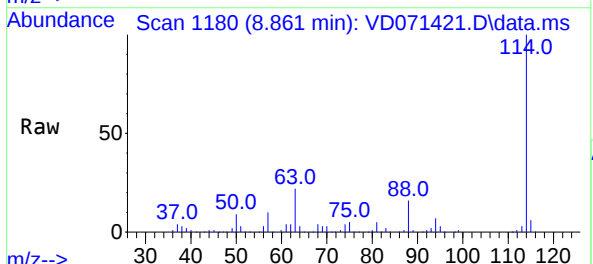
Instrument :
MSVOA_D
ClientSampleId :

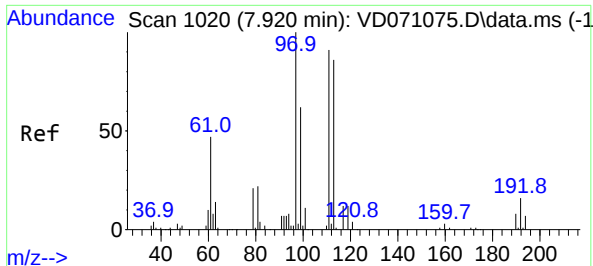
Tgt Ion: 65 Resp: 273510
Ion Ratio Lower Upper
65 100
67 50.9 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion: 114 Resp: 851215
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.8
88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.124 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071421.D

Acq: 21 Dec 2021 20:08

Instrument :

MSVOA_D

ClientSampleId :

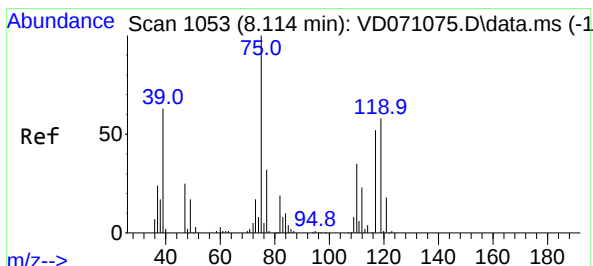
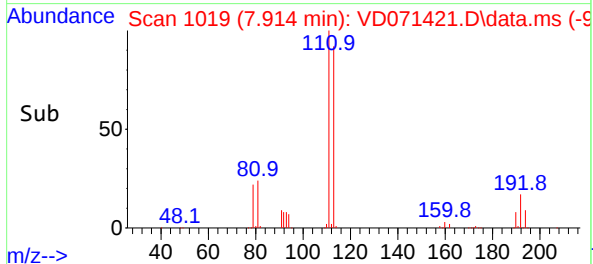
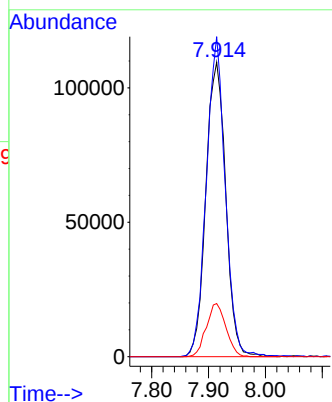
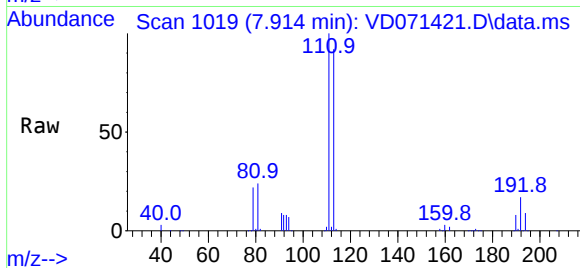
Tgt Ion:113 Resp: 266275

Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 17.8 15.2 22.8



#36

1,1-Dichloropropene

Concen: 5.389 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071421.D

Acq: 21 Dec 2021 20:08

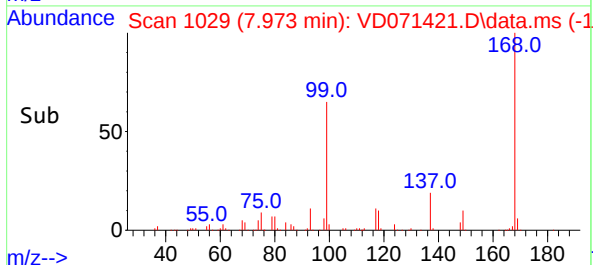
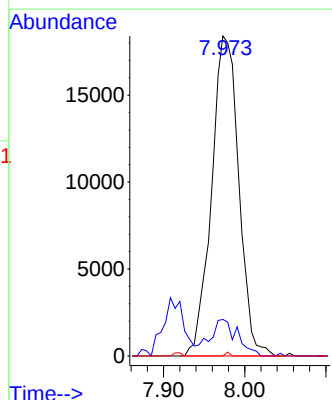
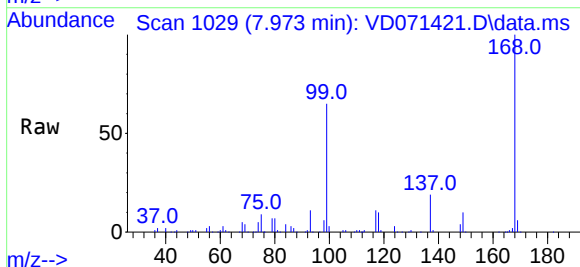
Tgt Ion: 75 Resp: 42877

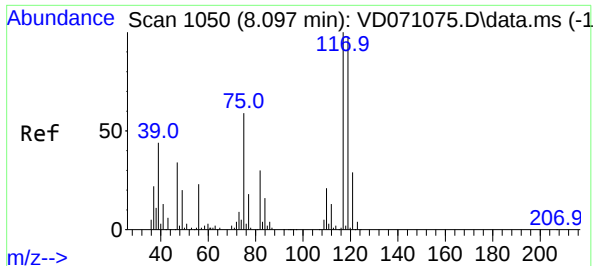
Ion Ratio Lower Upper

75 100

110 11.1 17.8 53.4#

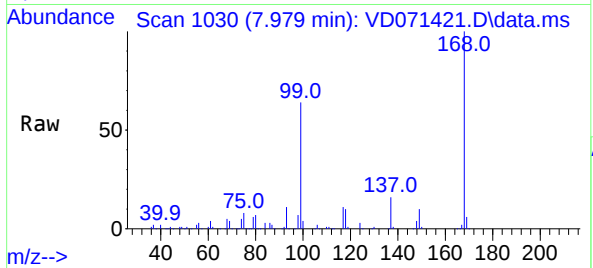
77 0.2 24.8 37.2#



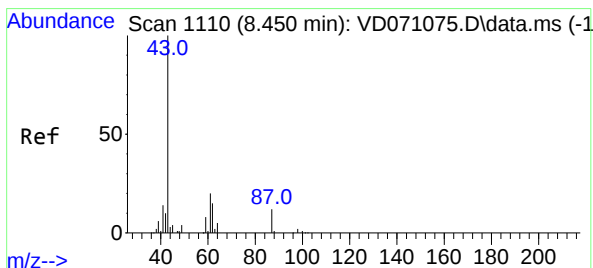
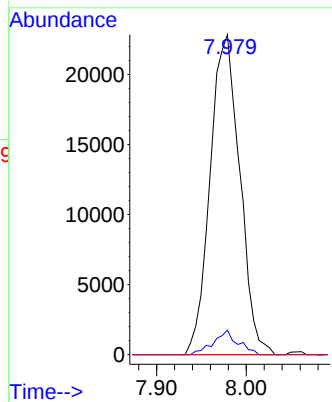
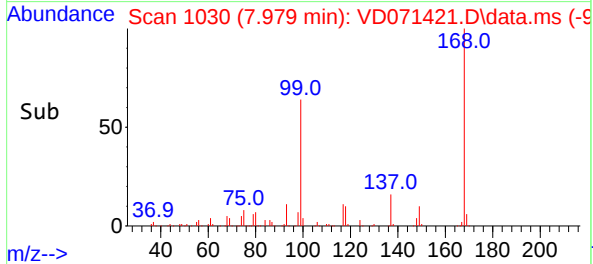


#38
Carbon Tetrachloride
Concen: 6.684 ug/l
RT: 7.979 min Scan# 1109
Delta R.T. -0.118 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :

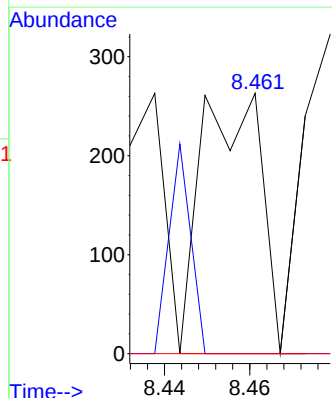
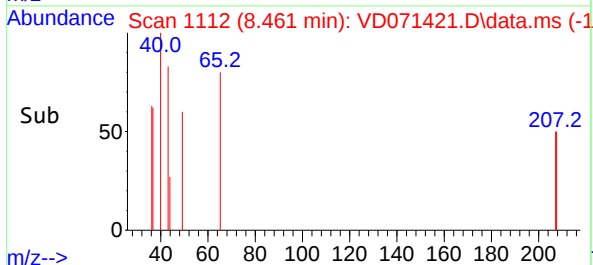
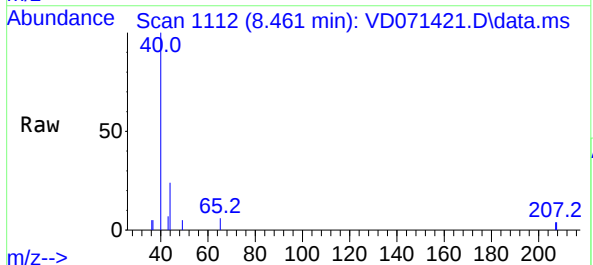


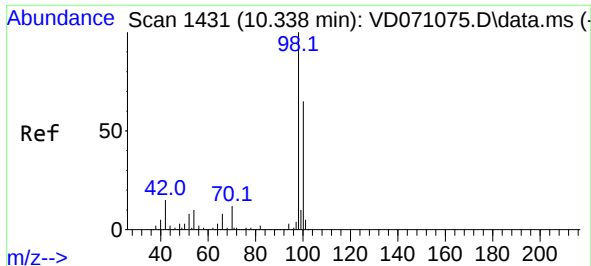
Tgt Ion:117 Resp: 52421
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.253 ug/l
RT: 8.461 min Scan# 1112
Delta R.T. 0.011 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#

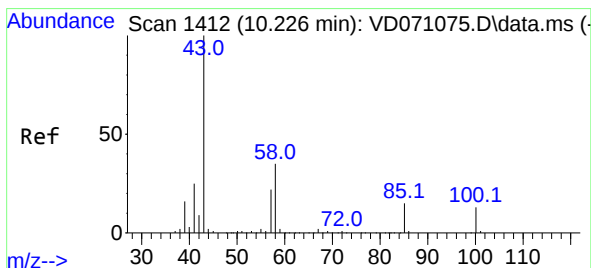
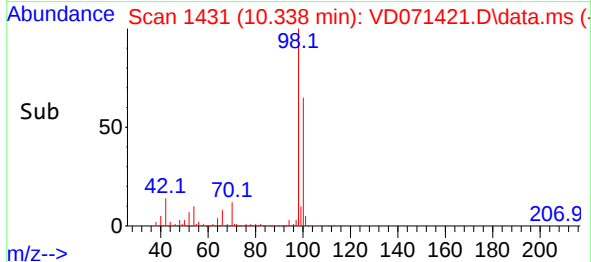
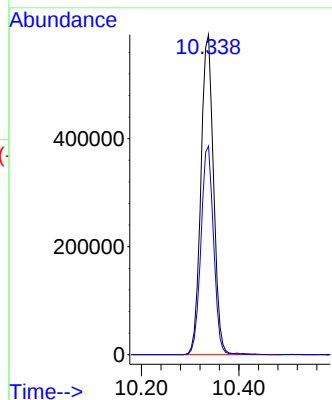
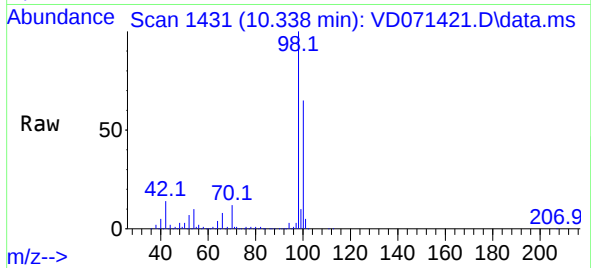




#50
Toluene-d8
Concen: 51.852 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

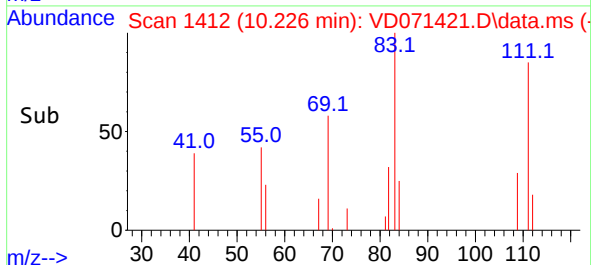
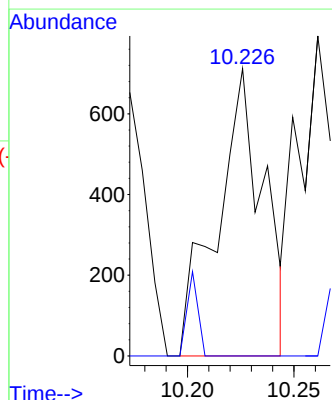
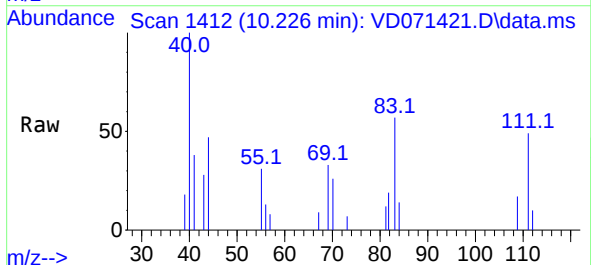
Instrument :
MSVOA_D
ClientSampleId :

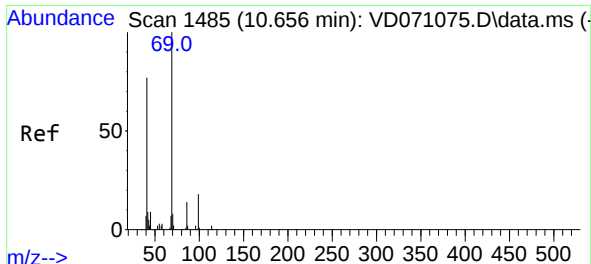
Tgt Ion: 98 Resp: 1069577
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.897 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion: 43 Resp: 1083
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#





#56

Ethyl methacrylate

Concen: 8.126 ug/l

RT: 10.638 min Scan# 1482

Delta R.T. -0.018 min

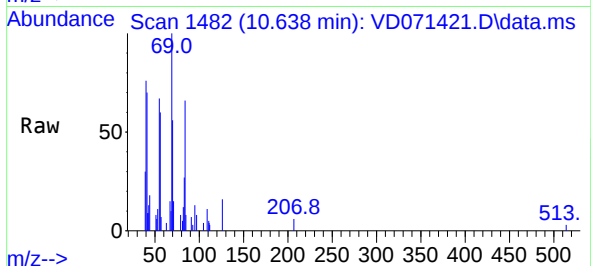
Lab File: VD071421.D

Acq: 21 Dec 2021 20:08

Instrument :

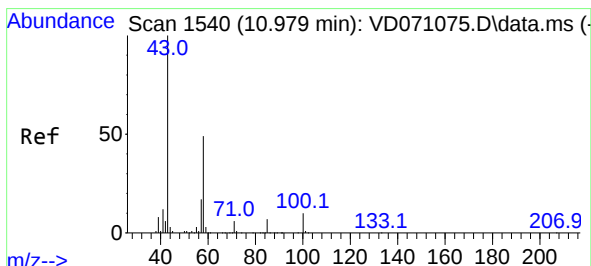
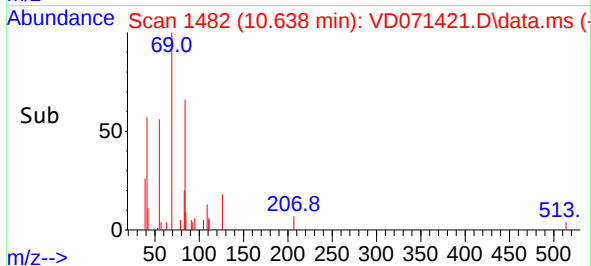
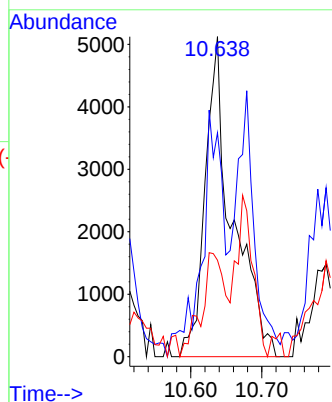
MSVOA_D

ClientSampleId :



Tgt Ion: 69 Resp: 13632

Ion	Ratio	Lower	Upper
69	100		
41	58.1	50.2	75.2
39	28.6	19.8	29.8



#59

2-Hexanone

Concen: 43.483 ug/l

RT: 10.949 min Scan# 1535

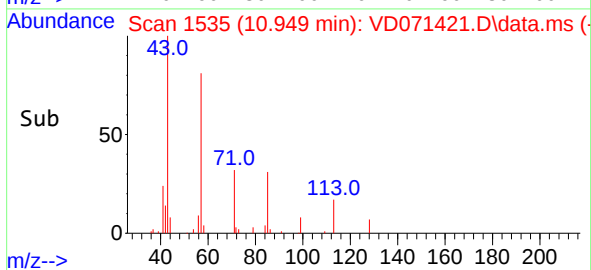
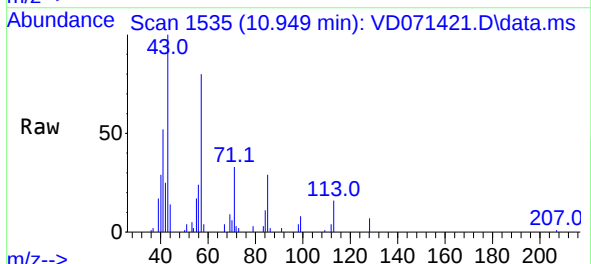
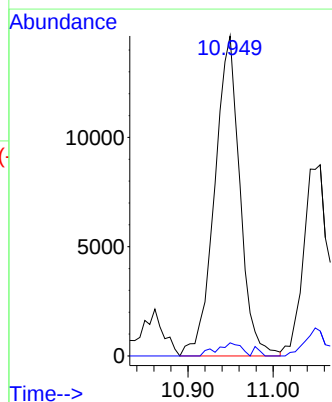
Delta R.T. -0.030 min

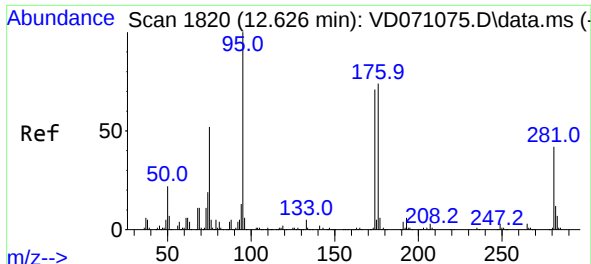
Lab File: VD071421.D

Acq: 21 Dec 2021 20:08

Tgt Ion: 43 Resp: 30188

Ion	Ratio	Lower	Upper
43	100		
58	3.9	28.7	86.1#

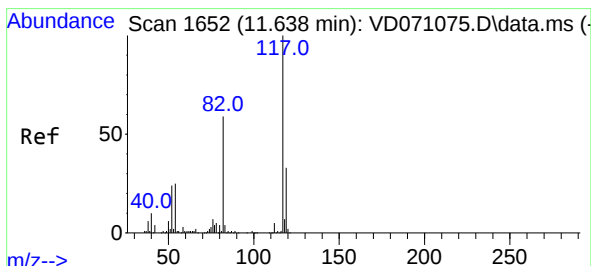
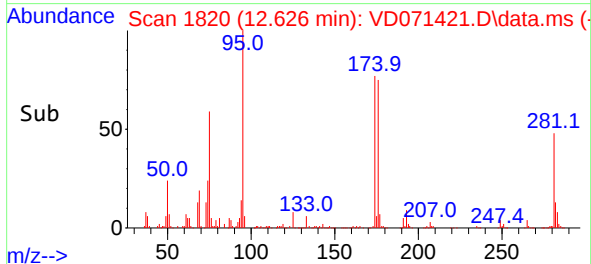
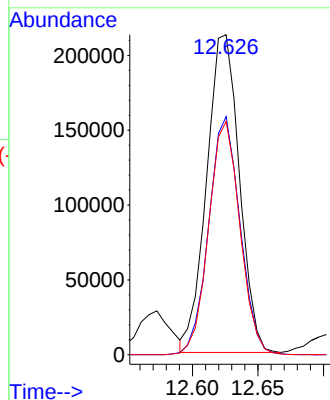
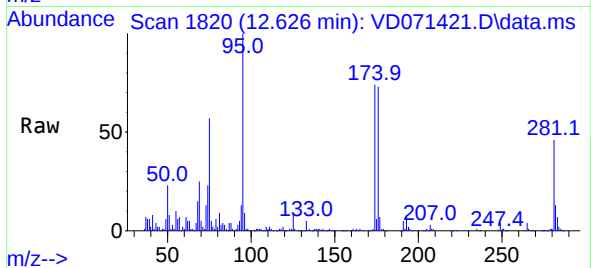




#62
4-Bromofluorobenzene
Concen: 51.619 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

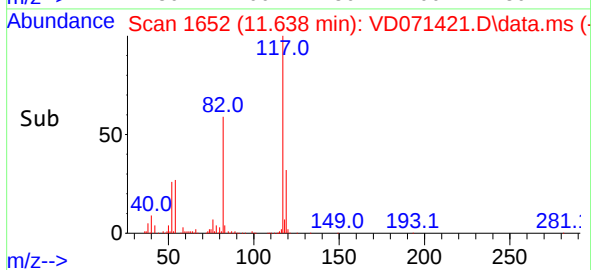
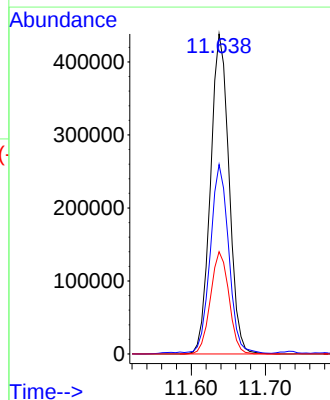
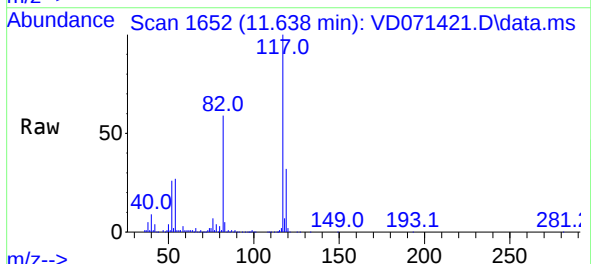
Instrument :
MSVOA_D
ClientSampleId :

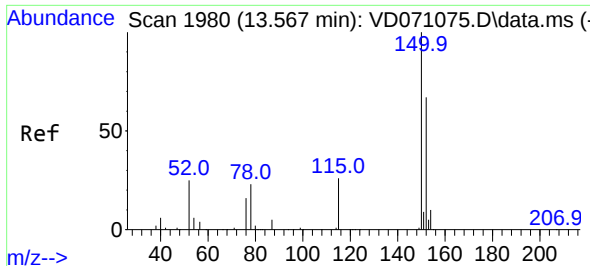
Tgt Ion: 95 Resp: 369087
Ion Ratio Lower Upper
95 100
174 71.6 0.0 159.4
176 69.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

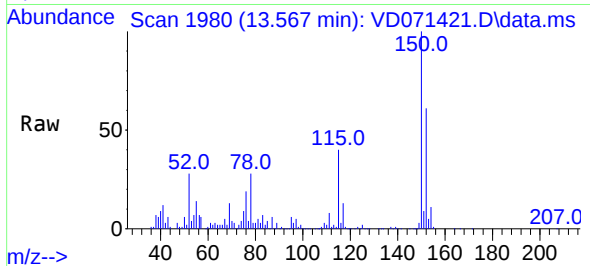
Tgt Ion:117 Resp: 760367
Ion Ratio Lower Upper
117 100
82 58.6 44.7 67.1
119 32.0 26.2 39.4



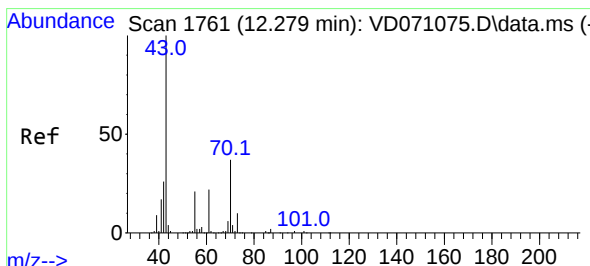
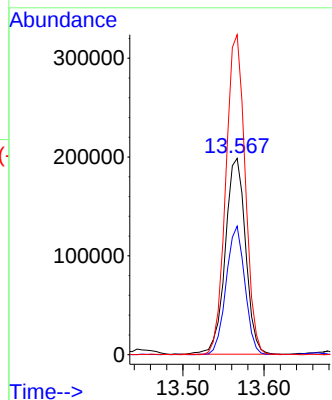
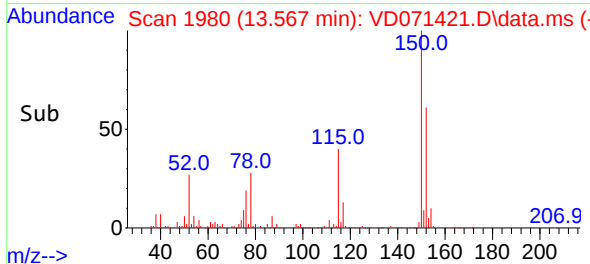


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :

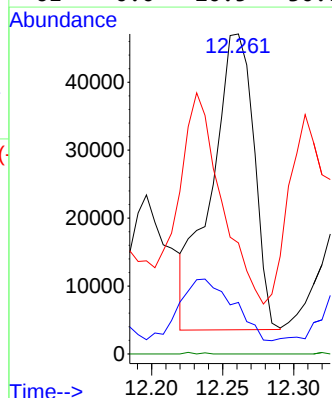
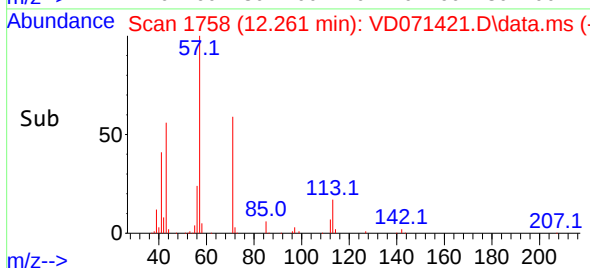
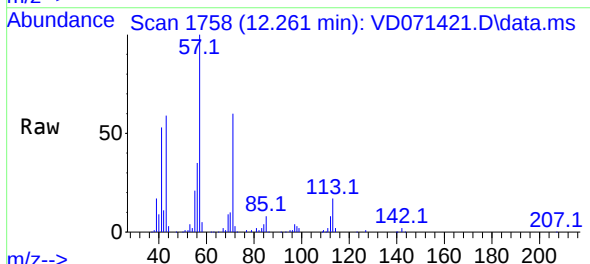


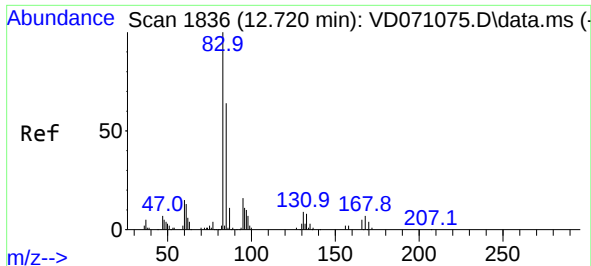
Tgt Ion:152 Resp: 346104
Ion Ratio Lower Upper
152 100
115 60.6 29.8 89.3
150 155.0 0.0 349.2



#74
N-ethyl acetate
Concen: 17.467 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion: 43 Resp: 91118
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

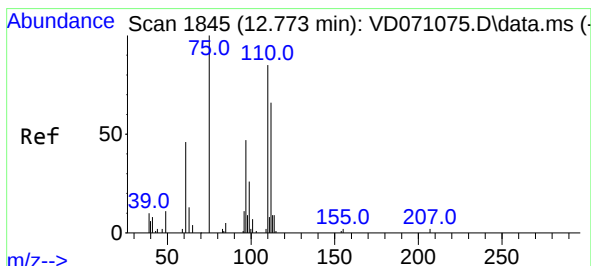
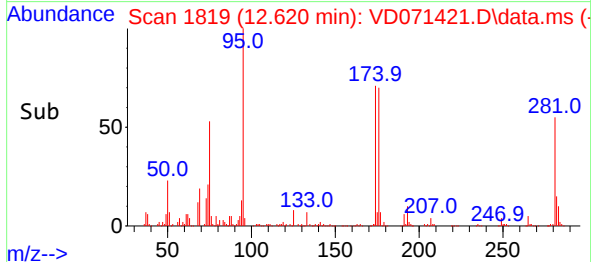
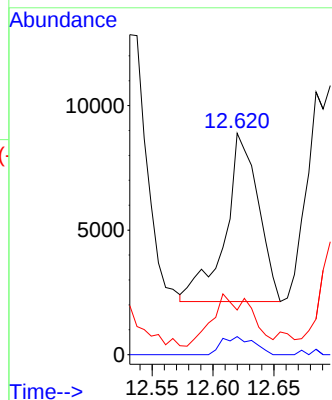
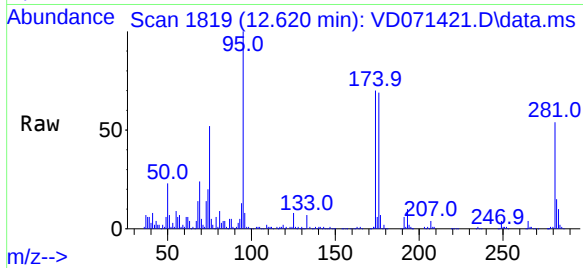




#75
1,1,2,2-Tetrachloroethane
Concen: 3.103 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.100 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

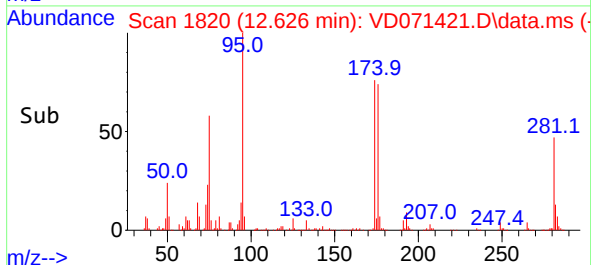
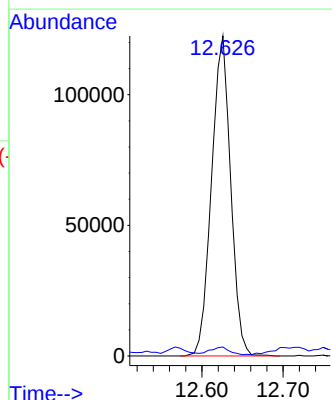
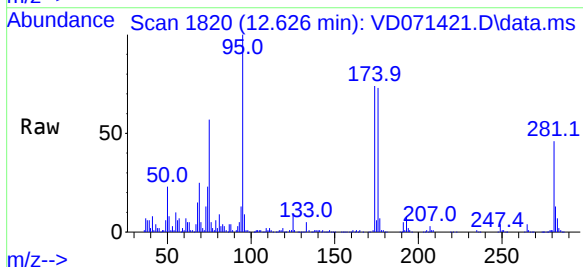
Instrument :
MSVOA_D
ClientSampleId :

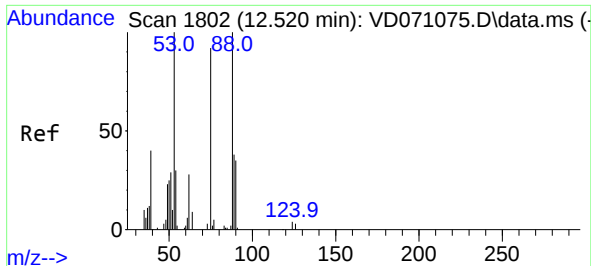
Tgt Ion: 83 Resp: 12804
Ion Ratio Lower Upper
83 100
131 10.4 4.9 14.7
85 36.3 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 60.655 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Tgt Ion: 75 Resp: 200012
Ion Ratio Lower Upper
75 100
77 2.3 158.4 475.3#

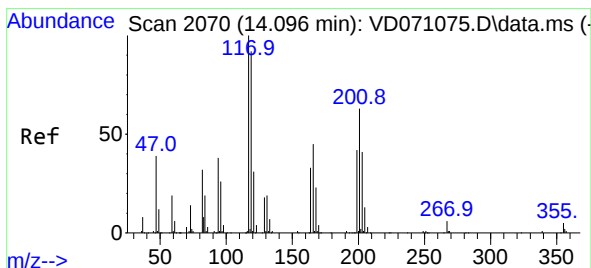
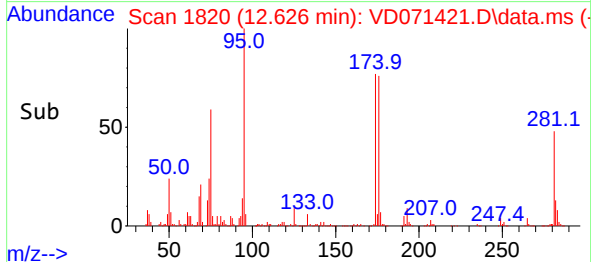
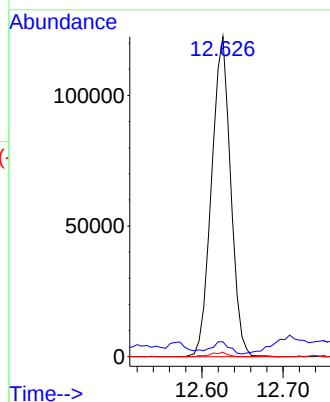
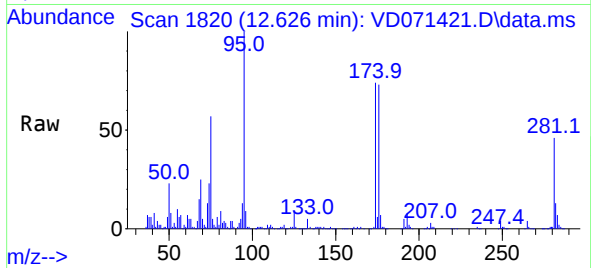




#81
trans-1,4-Dichloro-2-butene
Concen: 131.260 ug/l
RT: 12.626 min Scan# 1802
Delta R.T. 0.106 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

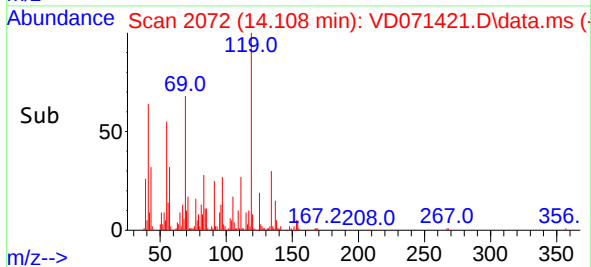
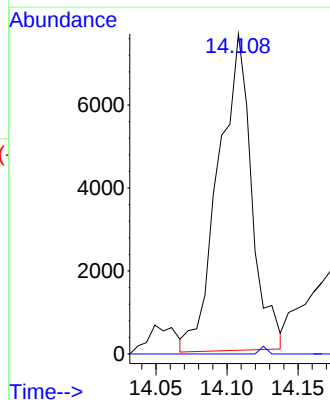
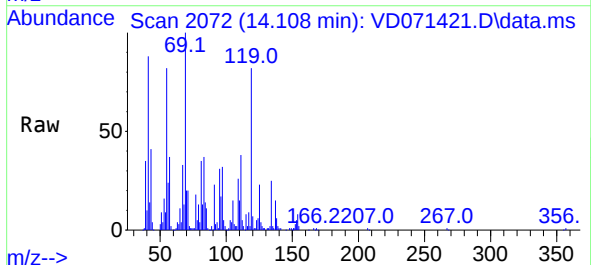
Instrument :
MSVOA_D
ClientSampleId :

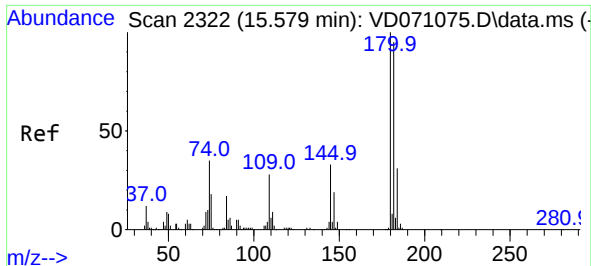
Tgt Ion: 75 Resp: 200012
Ion Ratio Lower Upper
75 100
53 3.3 62.6 94.0#
89 1.2 34.5 51.7#



#90
Hexachloroethane
Concen: 2.955 ug/l
RT: 14.108 min Scan# 2072
Delta R.T. 0.012 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

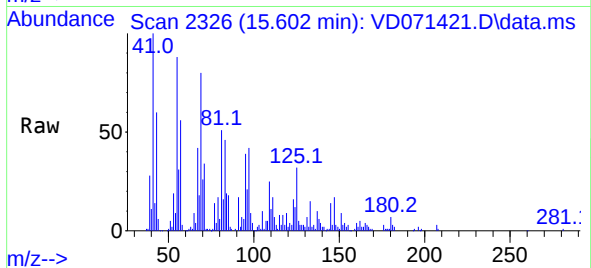
Tgt Ion:117 Resp: 12420
Ion Ratio Lower Upper
117 100
201 0.5 36.0 108.1#





#96
1,2,3-Trichlorobenzene
Concen: 1.099 ug/l
RT: 15.602 min Scan# 21
Delta R.T. 0.023 min
Lab File: VD071421.D
Acq: 21 Dec 2021 20:08

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:180 Resp: 5348
Ion Ratio Lower Upper
180 100
182 10.5 46.7 140.1#
145 0.0 15.9 47.6#

