

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070829.D
 Acq On : 22 Oct 2021 17:10
 Operator : VA/SY
 Sample : M4300-01
 Misc : 4.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 04:12:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

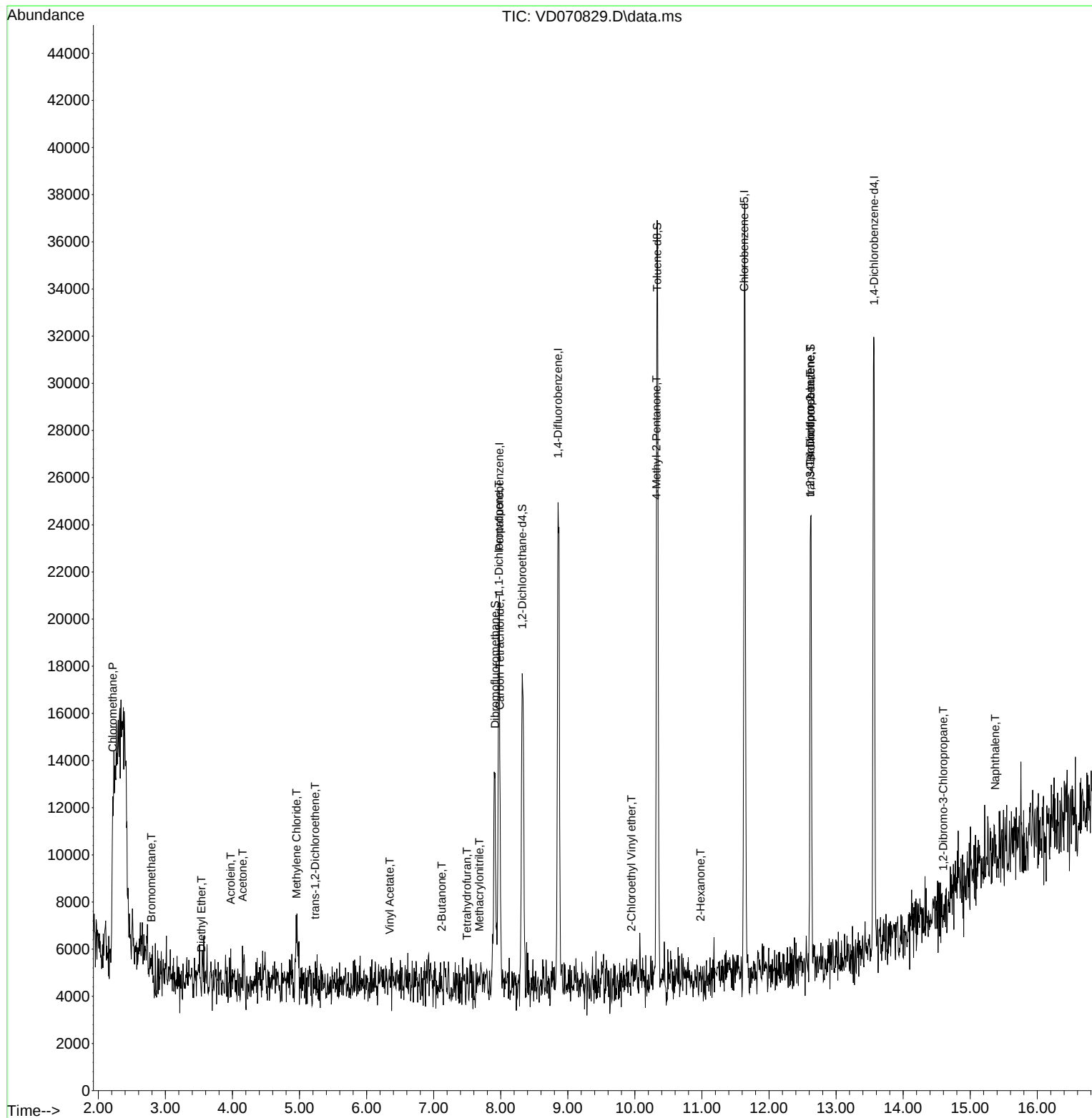
Internal Standards						
1) Pentafluorobenzene	7.979	168	10276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	16459	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	16773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	11049	90.780	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 181.560%#			
35) Dibromofluoromethane	7.914	113	6147	58.327	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.660%			
50) Toluene-d8	10.332	98	21817	54.004	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.000%			
62) 4-Bromofluorobenzene	12.620	95	6965	50.070	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.140%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	479	2.687	ug/l #	47
5) Bromomethane	2.791	94	288	2.585	ug/l	85
8) Diethyl Ether	3.538	74	56	1.018	ug/l #	4
13) Acrolein	3.973	56	62	9.402	ug/l #	81
16) Acetone	4.150	43	194	6.609	ug/l #	40
20) Methylene Chloride	4.956	84	1355	3.061	ug/l #	65
21) trans-1,2-Dichloroethene	5.232	96	132	1.030	ug/l #	1
23) Vinyl Acetate	6.344	43	75	16.650	ug/l #	69
25) 2-Butanone	7.120	43	78	2.151	ug/l #	43
29) Tetrahydrofuran	7.497	42	54	2.432	ug/l #	29
36) 1,1-Dichloropropene	7.973	75	1049	5.721	ug/l #	53
38) Carbon Tetrachloride	7.985	117	1302	7.414	ug/l #	12
41) Methacrylonitrile	7.679	41	72	3.388	ug/l #	16
51) 4-Methyl-2-Pentanone	10.320	43	119	1.558	ug/l #	68
58) 2-Chloroethyl Vinyl ether	9.950	63	53	1.097	ug/l #	47
59) 2-Hexanone	10.979	43	84	1.563	ug/l #	20
76) 1,2,3-Trichloropropane	12.614	75	3301	56.445	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	3301	123.633	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.596	75	59	3.877	ug/l #	6
95) Naphthalene	15.373	128	433	6.579	ug/l #	69

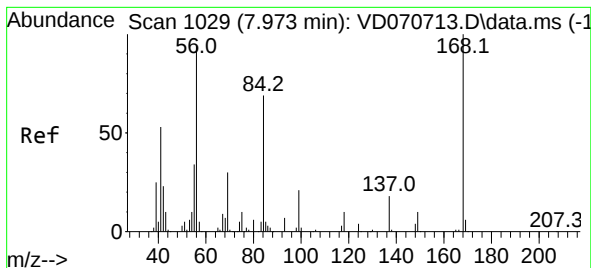
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 18 08:32:03 2021
Response via : Initial Calibration

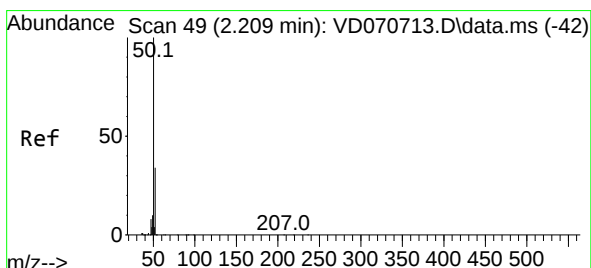
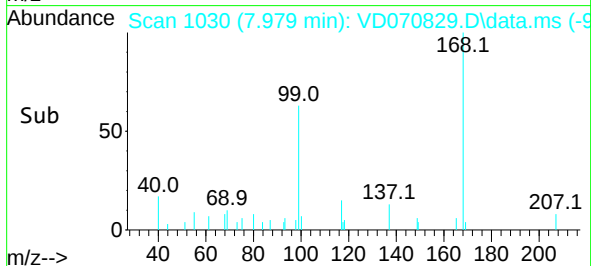
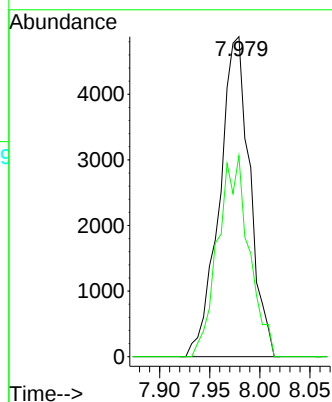
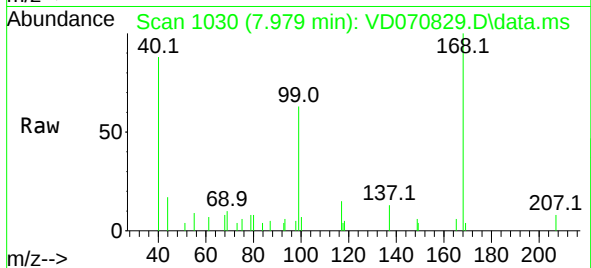




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

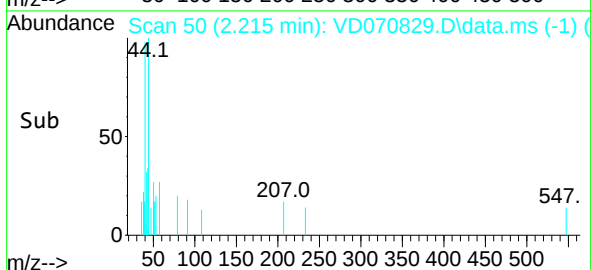
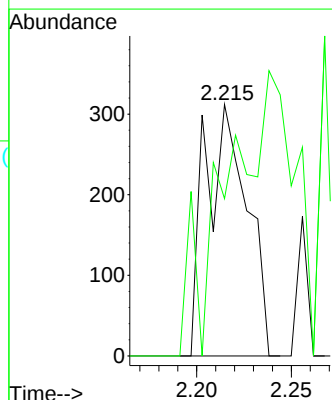
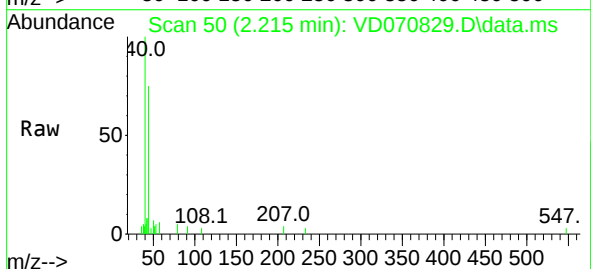
Instrument :
MSVOA_D
ClientSampleId :

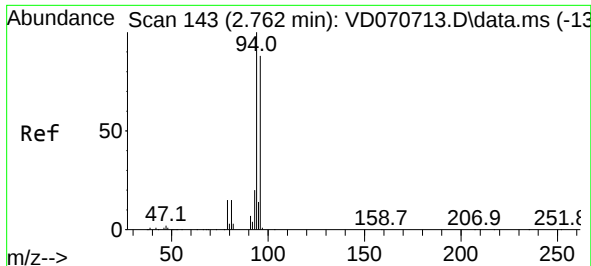
Tgt Ion:168 Resp: 10276
Ion Ratio Lower Upper
168 100
99 62.8 51.4 77.0



#3
Chloromethane
Concen: 2.687 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 50 Resp: 479
Ion Ratio Lower Upper
50 100
52 62.5 26.0 39.0#

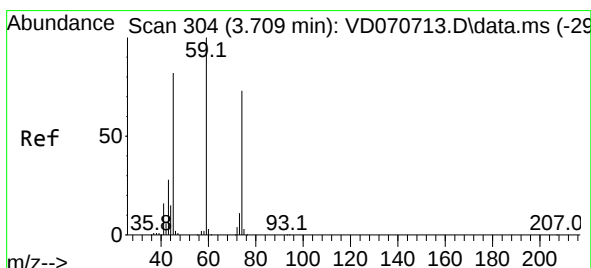
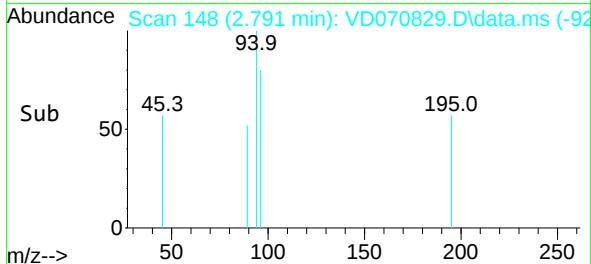
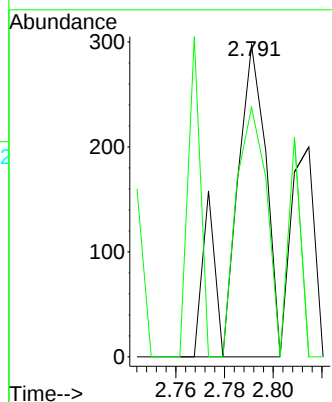
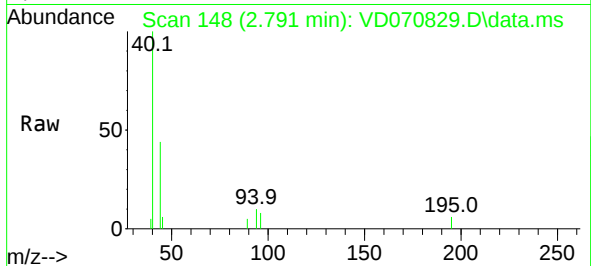




#5
Bromomethane
Concen: 2.585 ug/l
RT: 2.791 min Scan# 148
Delta R.T. 0.030 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

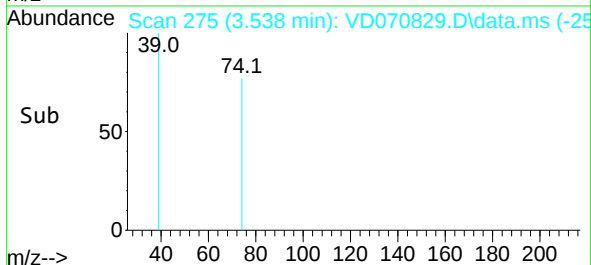
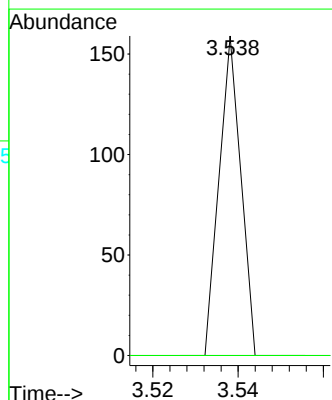
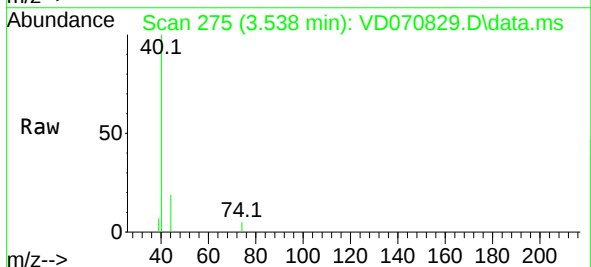
Instrument :
MSVOA_D
ClientSampleId :

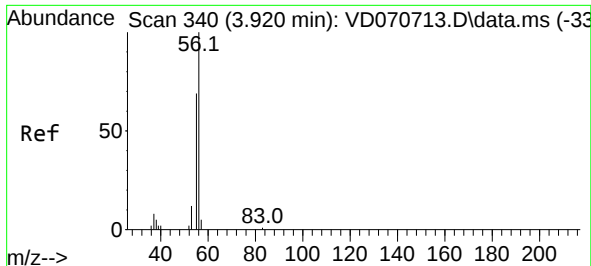
Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 80.1 75.5 113.3



#8
Diethyl Ether
Concen: 1.018 ug/l
RT: 3.538 min Scan# 275
Delta R.T. -0.170 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 74 Resp: 56
Ion Ratio Lower Upper
74 100
45 0.0 45.1 135.5#

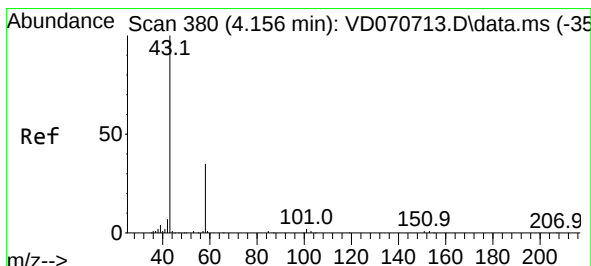
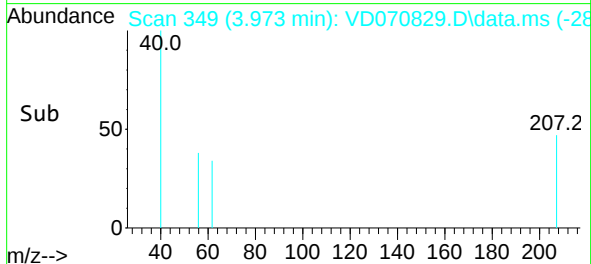
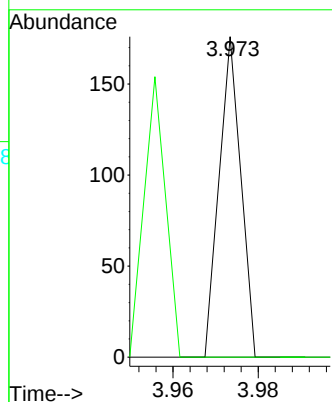
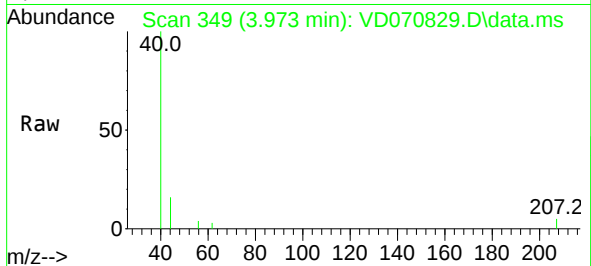




#13
Acrolein
Concen: 9.402 ug/l
RT: 3.973 min Scan# 349
Delta R.T. 0.053 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

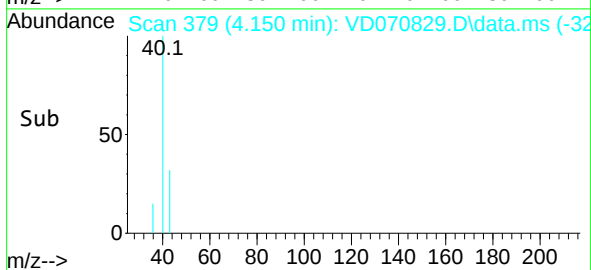
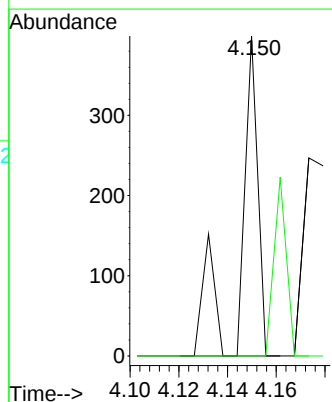
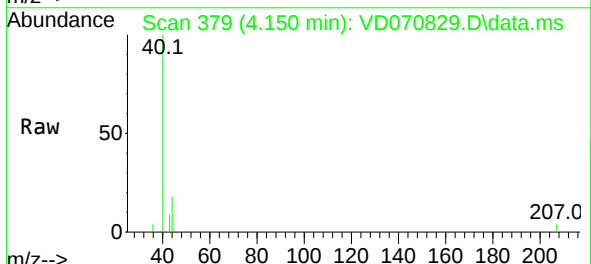
Instrument :
MSVOA_D
ClientSampleId :

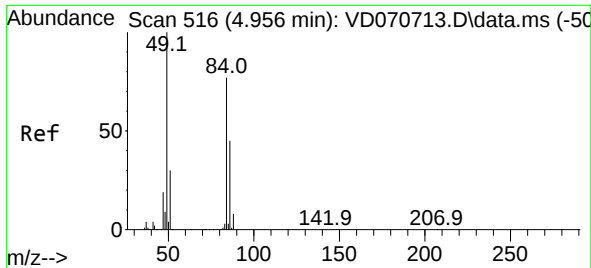
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 87.1 56.8 85.2#



#16
Acetone
Concen: 6.609 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 43 Resp: 194
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#

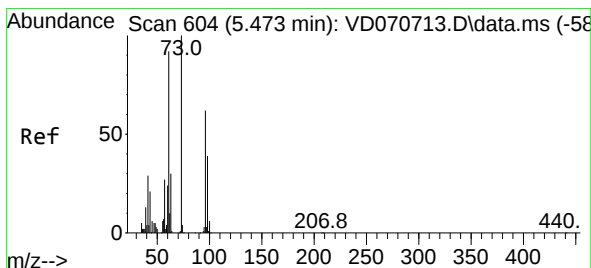
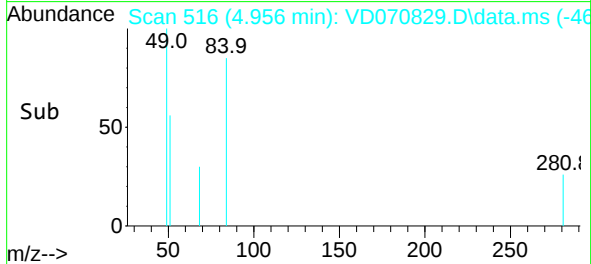
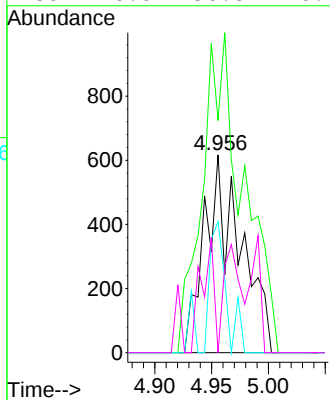
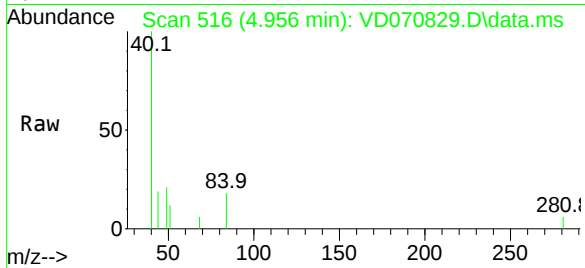




#20
Methylene Chloride
Concen: 3.061 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

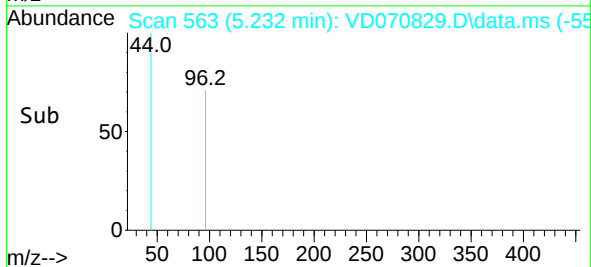
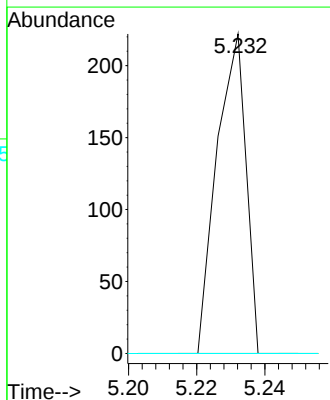
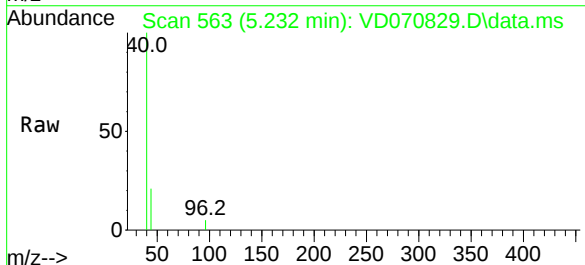
Instrument :
MSVOA_D
ClientSampleID :

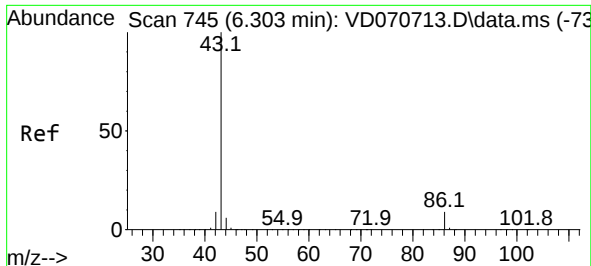
Tgt Ion: 84	Resp: 1355
Ion Ratio	Lower Upper
84 100	
49 117.3	91.4 137.2
51 66.1	26.7 40.1#
86 0.0	50.8 76.2#



#21
trans-1,2-Dichloroethene
Concen: 1.030 ug/l
RT: 5.232 min Scan# 563
Delta R.T. -0.241 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 96	Resp: 132
Ion Ratio	Lower Upper
96 100	
61 0.0	111.1 166.7#
98 0.0	51.9 77.9#

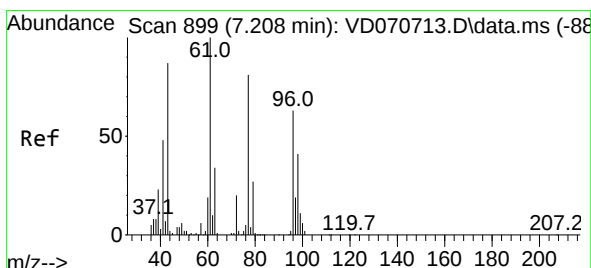
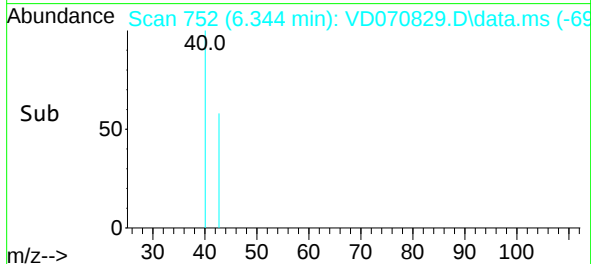
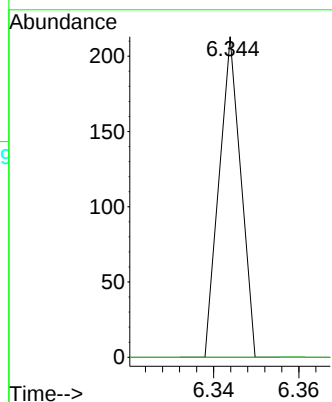
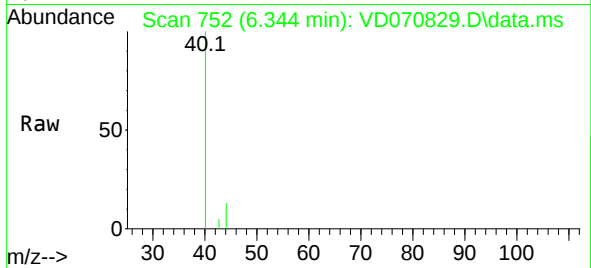




#23
 Vinyl Acetate
 Concen: 16.650 ug/l
 RT: 6.344 min Scan# 752
 Delta R.T. 0.041 min
 Lab File: VD070829.D
 Acq: 22 Oct 2021 17:10

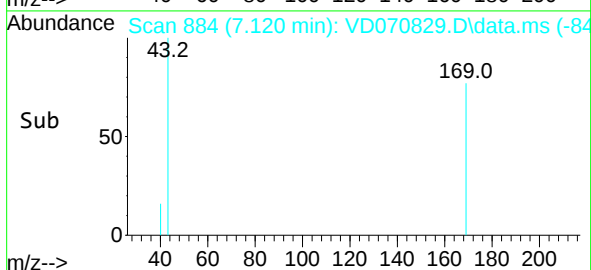
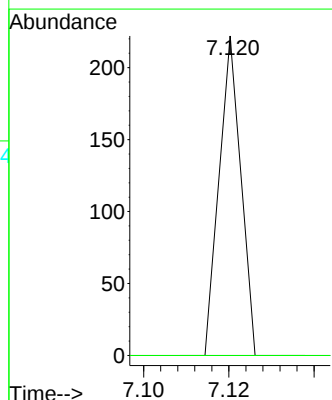
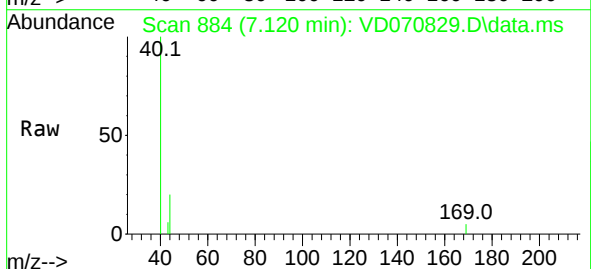
Instrument :
 MSVOA_D
 ClientSampleId :

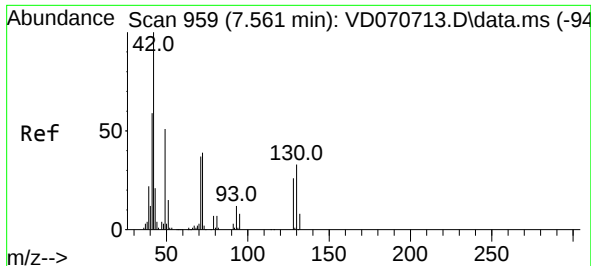
Tgt Ion: 43 Resp: 75
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#25
 2-Butanone
 Concen: 2.151 ug/l
 RT: 7.120 min Scan# 884
 Delta R.T. -0.088 min
 Lab File: VD070829.D
 Acq: 22 Oct 2021 17:10

Tgt Ion: 43 Resp: 78
 Ion Ratio Lower Upper
 43 100
 72 0.0 25.2 37.8#





#29

Tetrahydrofuran

Concen: 2.432 ug/l

RT: 7.497 min Scan# 948

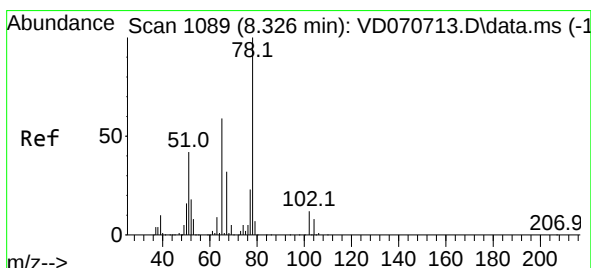
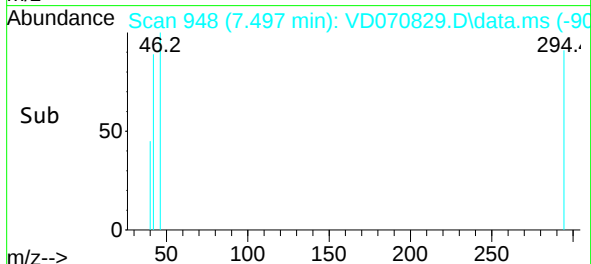
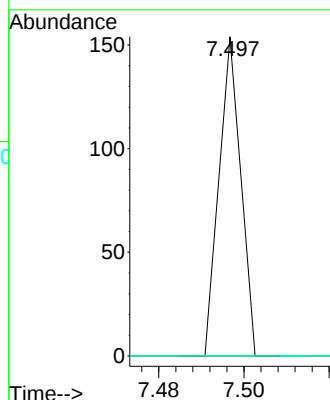
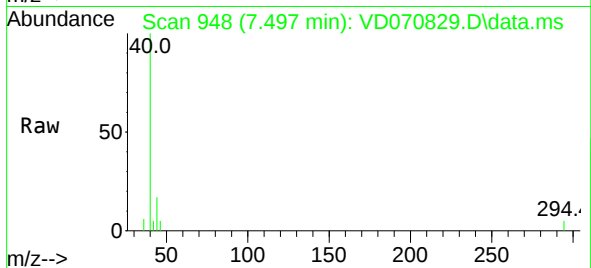
Delta R.T. -0.065 min

Lab File: VD070829.D

Acq: 22 Oct 2021 17:10

Tgt Ion:	42	Resp:	54
Ion	Ratio	Lower	Upper
42	100		
72	0.0	40.2	60.4#
71	0.0	37.2	55.8#

Instrument :
MSVOA_D
ClientSampled :



#33

1,2-Dichloroethane-d4

Concen: 90.780 ug/l

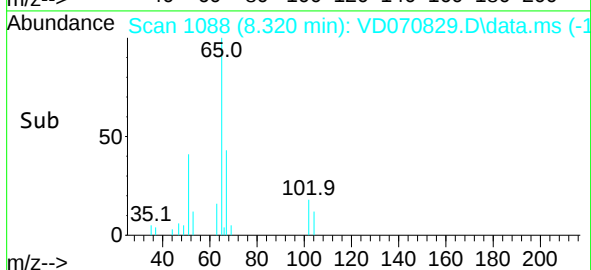
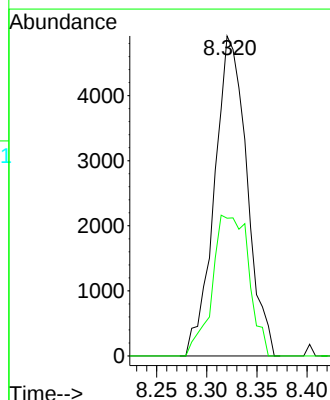
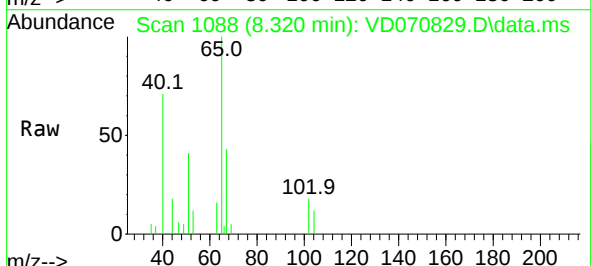
RT: 8.320 min Scan# 1088

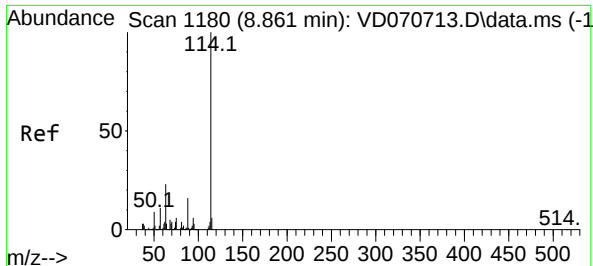
Delta R.T. -0.006 min

Lab File: VD070829.D

Acq: 22 Oct 2021 17:10

Tgt Ion:	65	Resp:	11049
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD070829.D

Acq: 22 Oct 2021 17:10

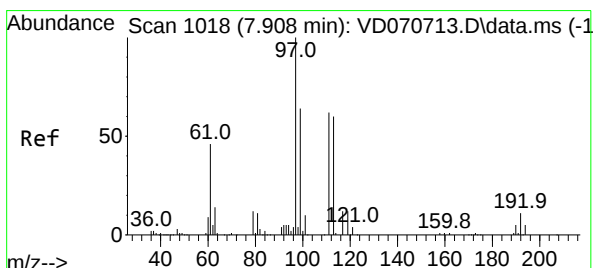
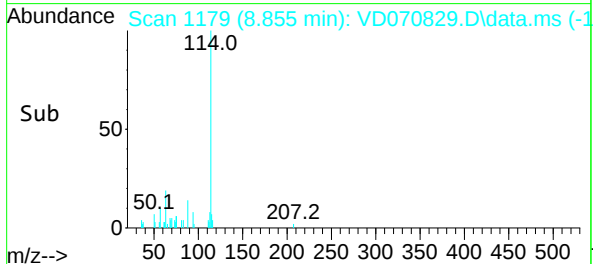
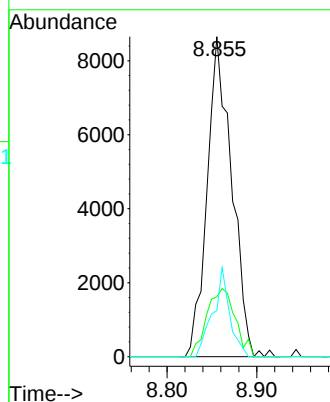
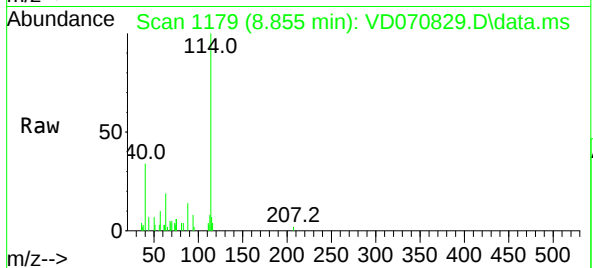
Tgt Ion:114 Resp: 16459

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.8

88 14.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 58.327 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070829.D

Acq: 22 Oct 2021 17:10

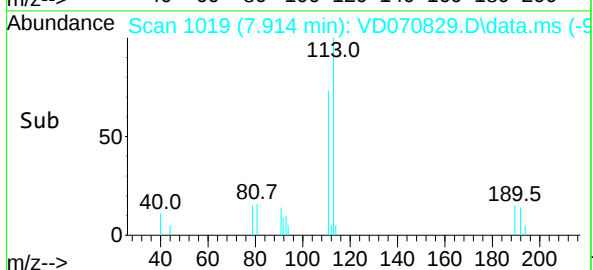
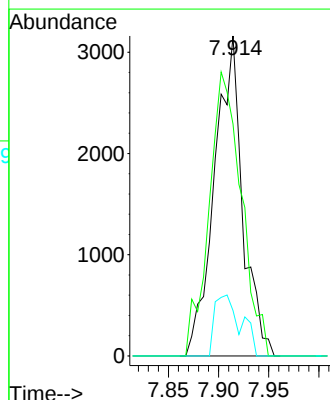
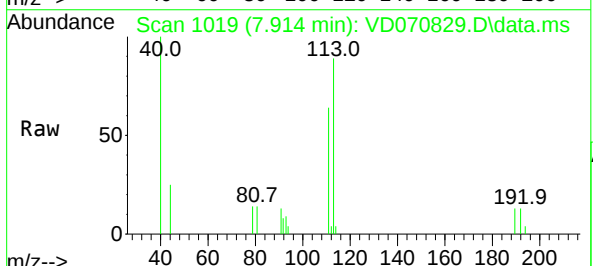
Tgt Ion:113 Resp: 6147

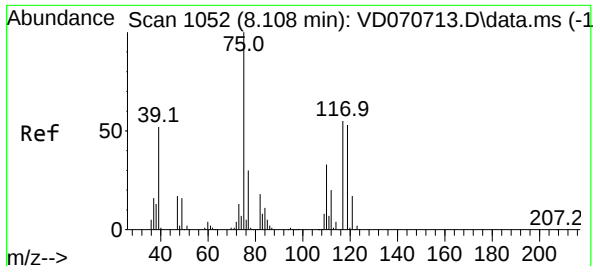
Ion Ratio Lower Upper

113 100

111 102.2 83.1 124.7

192 17.7 12.7 19.1

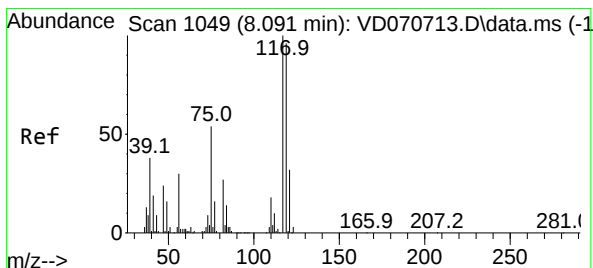
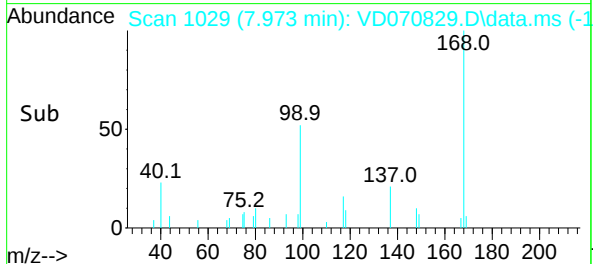
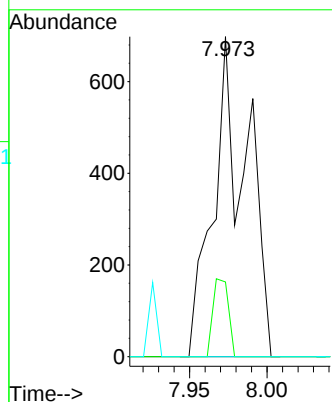
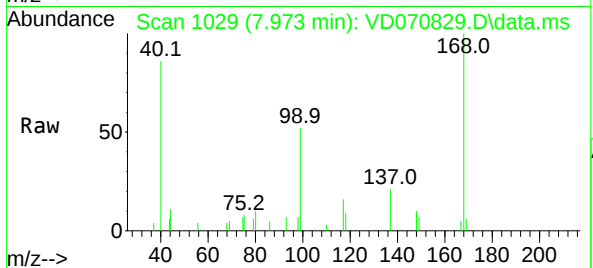




#36
1,1-Dichloropropene
Concen: 5.721 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

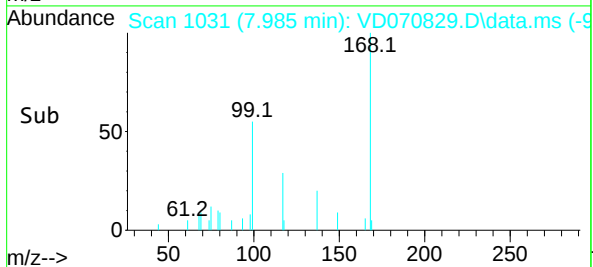
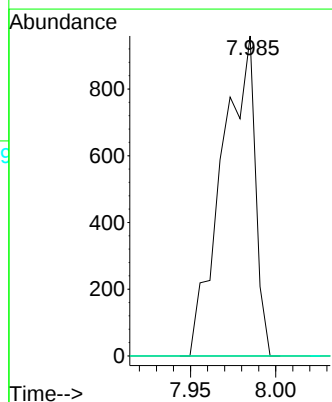
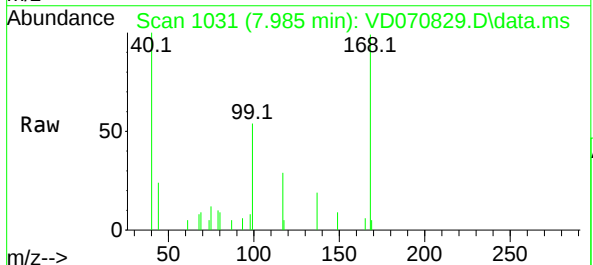
Instrument :
MSVOA_D
ClientSampleId :

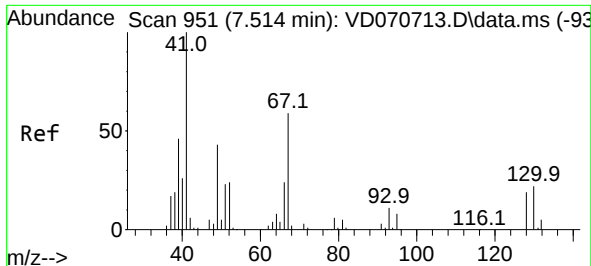
Tgt Ion: 75 Resp: 1049
Ion Ratio Lower Upper
75 100
110 11.2 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 7.414 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 117 Resp: 1302
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

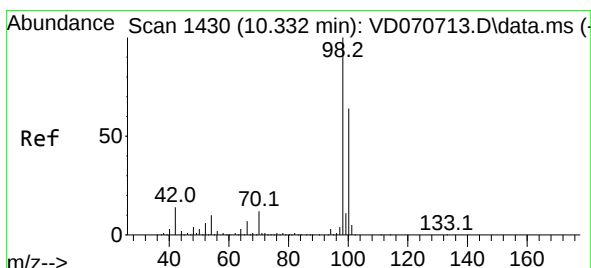
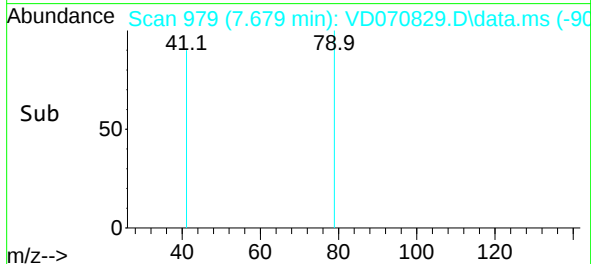
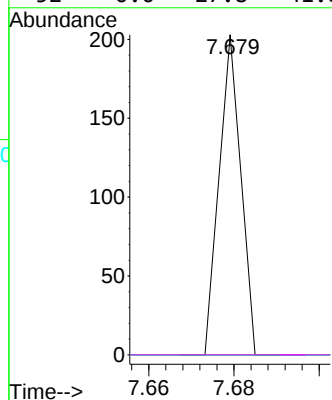
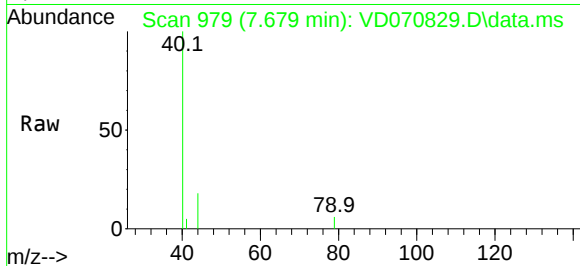




#41
Methacrylonitrile
Concen: 3.388 ug/l
RT: 7.679 min Scan# 979
Delta R.T. 0.165 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

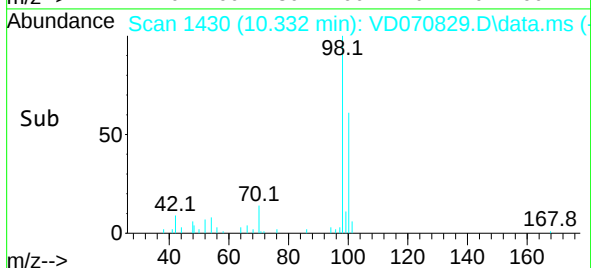
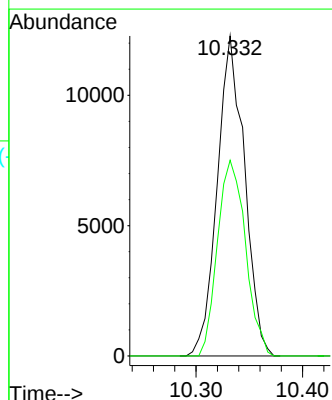
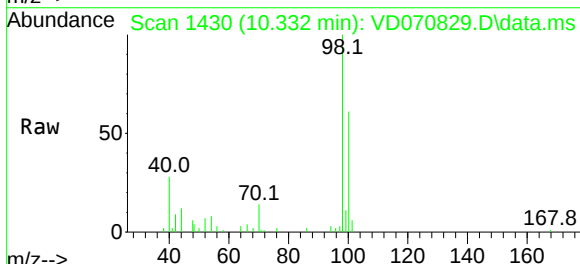
Instrument :
MSVOA_D
ClientSampleId :

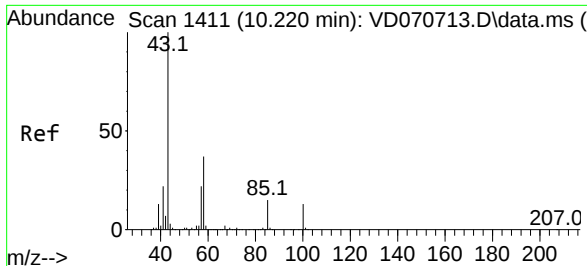
Tgt Ion:	41	Resp:	72
Ion	Ratio	Lower	Upper
41	100		
39	0.0	45.2	67.8#
67	0.0	75.8	113.6#
52	0.0	27.8	41.8#



#50
Toluene-d8
Concen: 54.004 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion:	98	Resp:	21817
Ion	Ratio	Lower	Upper
98	100		
100	62.8	52.2	78.4

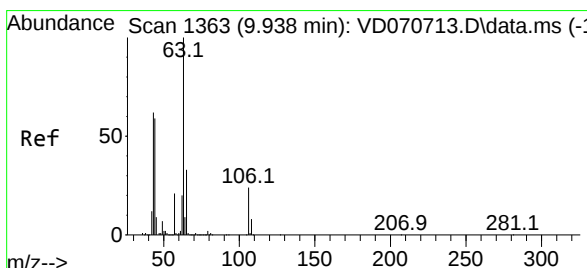
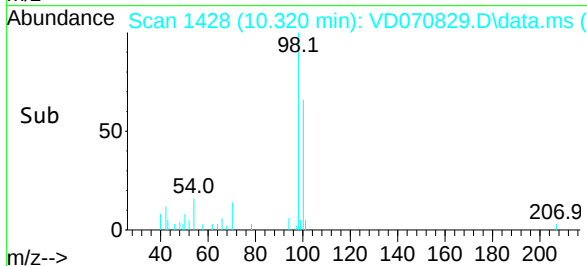
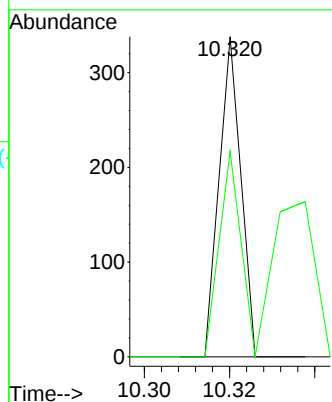
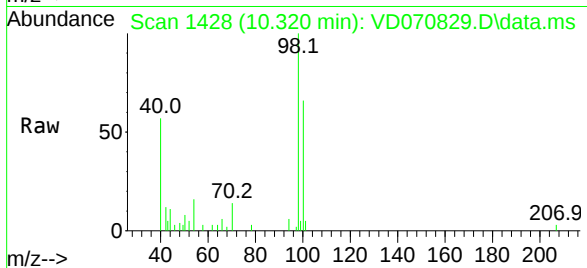




#51
4-Methyl-2-Pentanone
Concen: 1.558 ug/l
RT: 10.320 min Scan# 1428
Delta R.T. 0.100 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

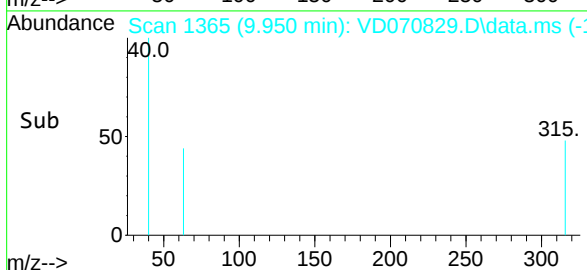
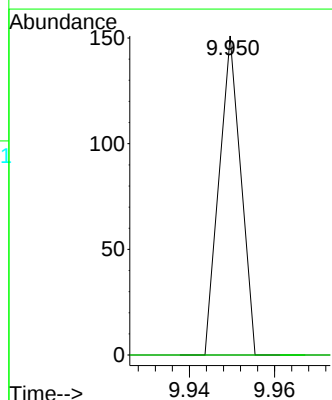
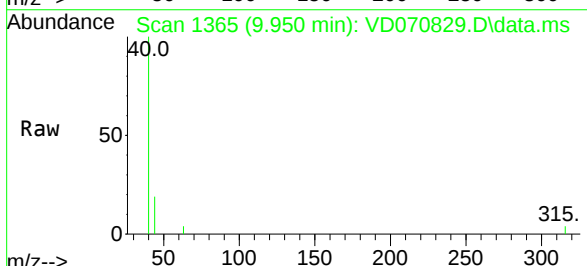
Instrument :
MSVOA_D
ClientSampleId :

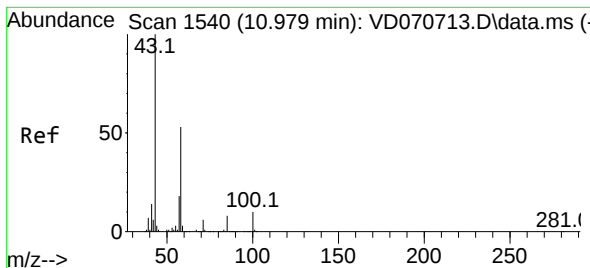
Tgt Ion: 43 Resp: 119
Ion Ratio Lower Upper
43 100
58 64.7 35.0 52.6#



#58
2-Chloroethyl Vinyl ether
Concen: 1.097 ug/l
RT: 9.950 min Scan# 1365
Delta R.T. 0.012 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 63 Resp: 53
Ion Ratio Lower Upper
63 100
106 0.0 22.3 33.5#

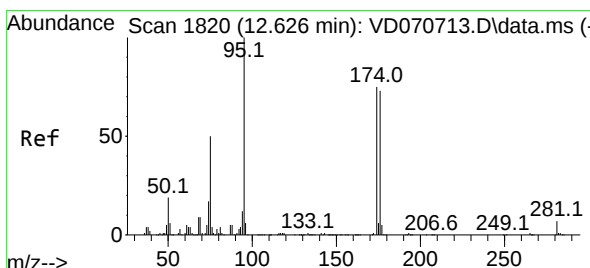
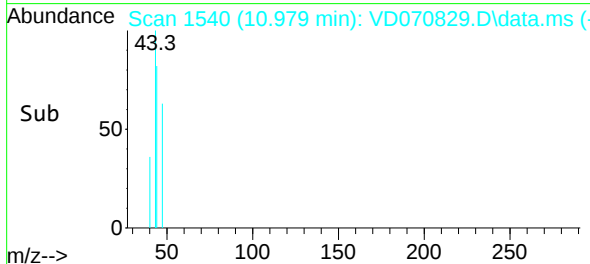
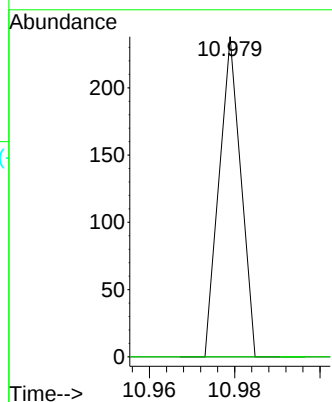
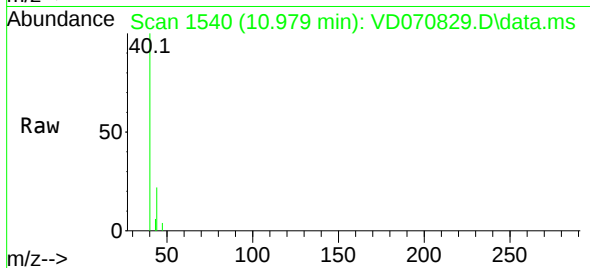




#59
2-Hexanone
Concen: 1.563 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

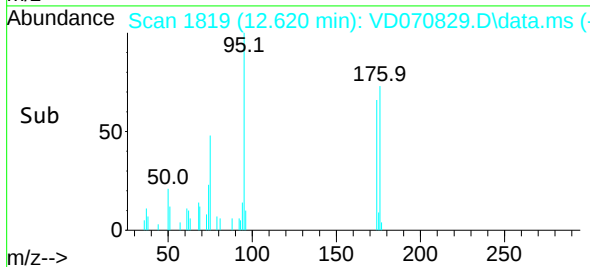
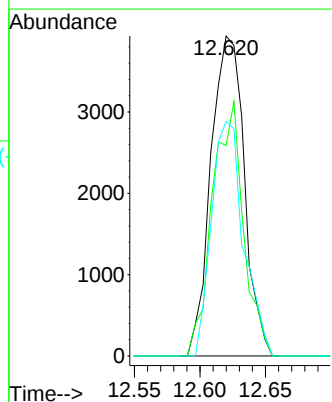
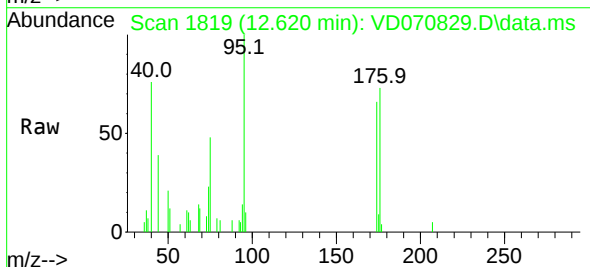
Instrument :
MSVOA_D
ClientSampleId :

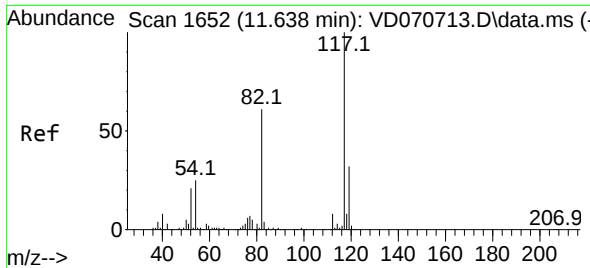
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.070 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 95 Resp: 6965
Ion Ratio Lower Upper
95 100
174 73.9 0.0 138.0
176 70.6 0.0 135.6

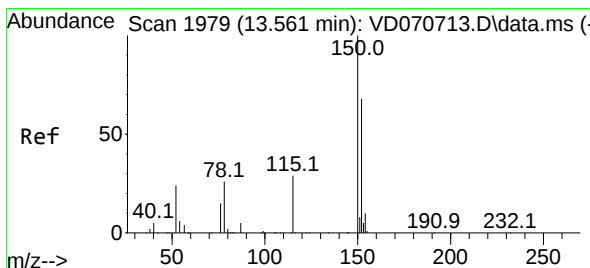
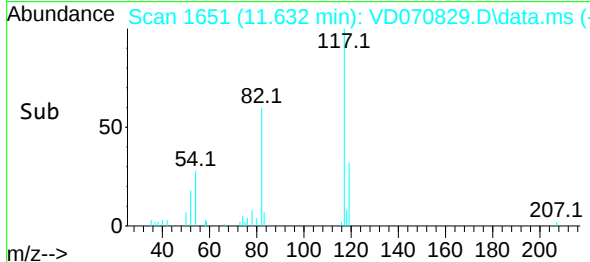
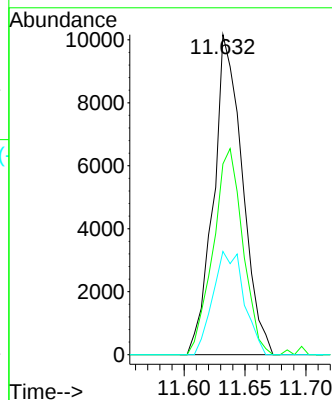
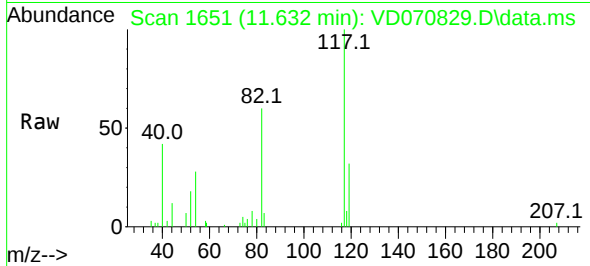




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

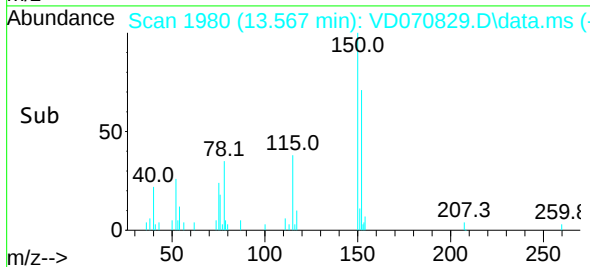
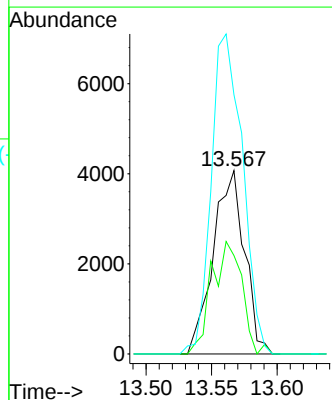
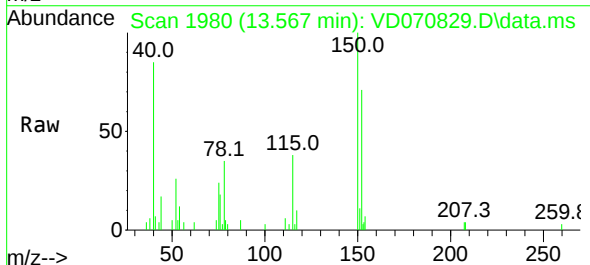
Instrument :
MSVOA_D
ClientSampleId :

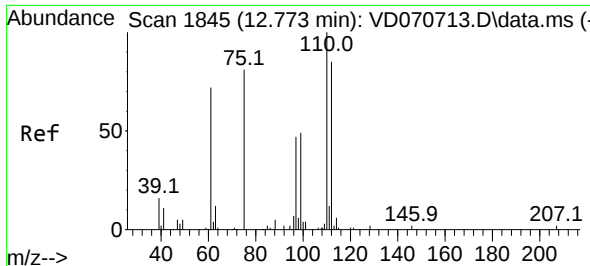
Tgt Ion:	117	Resp:	16773
Ion	Ratio	Lower	Upper
117	100		
82	59.6	45.4	68.2
119	32.3	24.7	37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion:	152	Resp:	6769
Ion	Ratio	Lower	Upper
152	100		
115	59.4	31.9	95.7
150	174.1	0.0	350.0

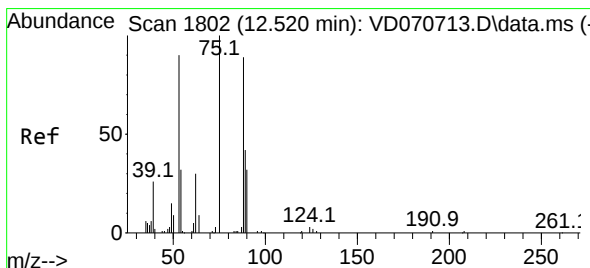
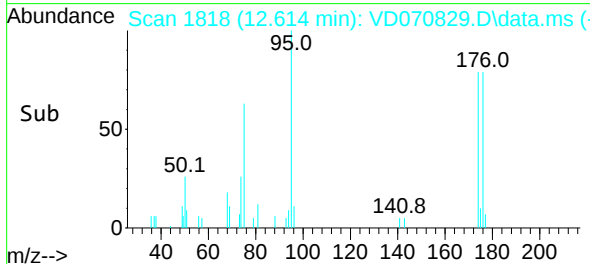
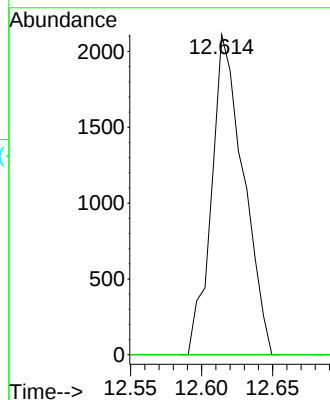
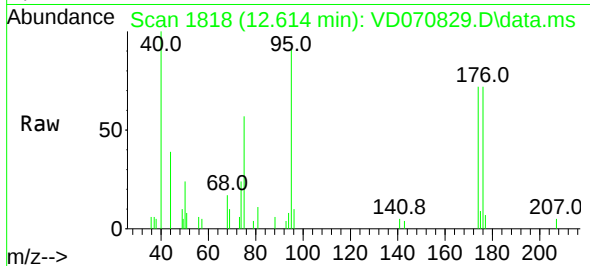




#76
1,2,3-Trichloropropane
Concen: 56.445 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.159 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

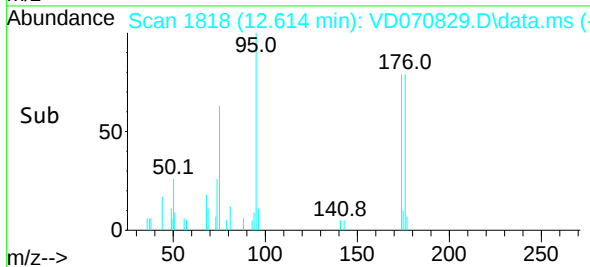
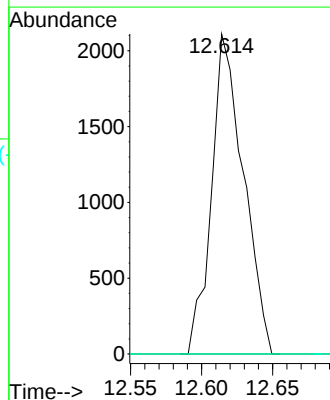
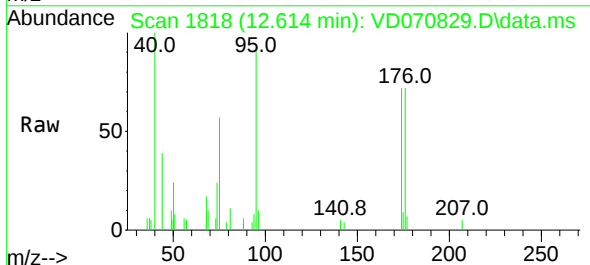
Instrument :
MSVOA_D
ClientSampleId :

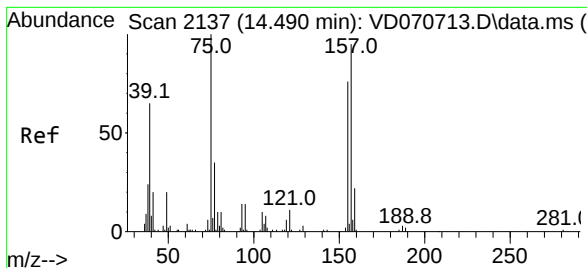
Tgt Ion: 75 Resp: 3301
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 123.633 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 75 Resp: 3301
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#

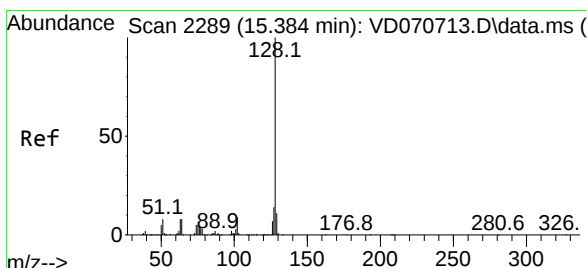
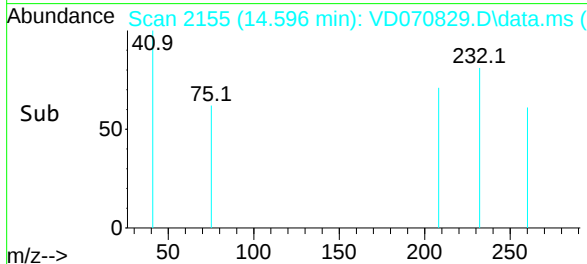
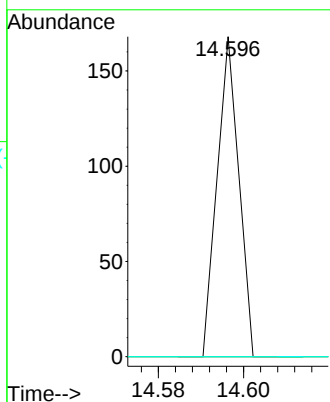
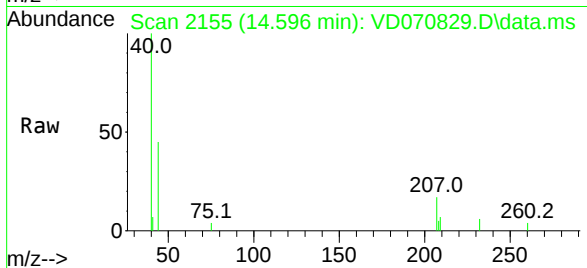




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.877 ug/l
RT: 14.596 min Scan# 2155
Delta R.T. 0.106 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
155 0.0 38.1 114.5#
157 0.0 47.6 142.9#



#95
Naphthalene
Concen: 6.579 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070829.D
Acq: 22 Oct 2021 17:10

Tgt Ion: 128 Resp: 433
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

