

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072829.D
 Acq On : 06 May 2022 01:46
 Operator : VA/SY
 Sample : N2680-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B1-5-7

Quant Time: May 06 03:55:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

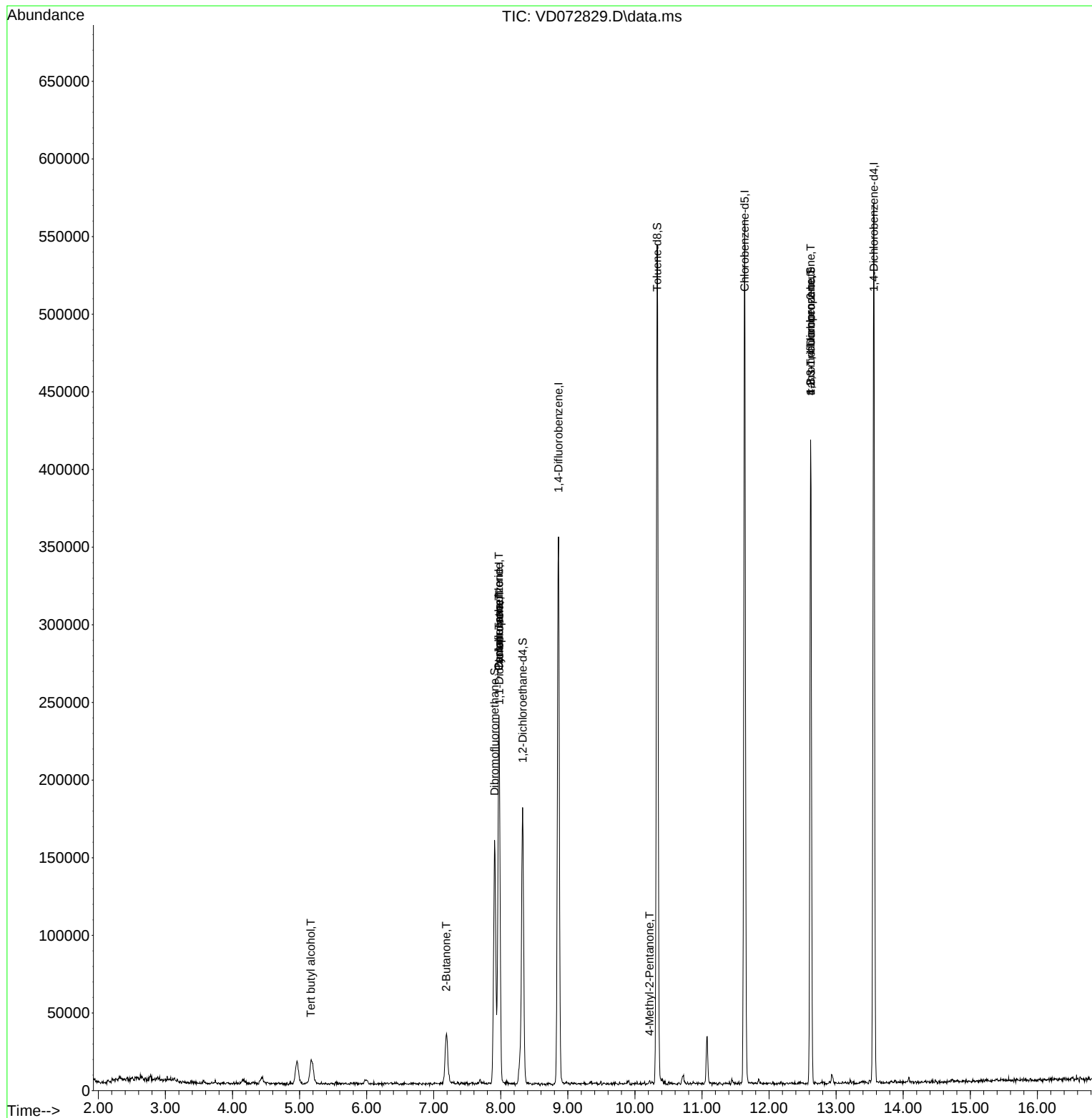
Internal Standards						
1) Pentafluorobenzene	7.973	168	161558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	292947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	301911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	136767	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	138828	66.198	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.400%			
35) Dibromofluoromethane	7.908	113	109344	53.147	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.300%			
50) Toluene-d8	10.332	98	358647	48.597	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.200%			
62) 4-Bromofluorobenzene	12.620	95	138765	50.426	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.860%			
Target Compounds						
5) Bromomethane	2.779	94	1459	Below Cal	Qvalue 98	
11) Tert butyl alcohol	5.167	59	15796	87.056 ug/l #	74	
13) Acrolein	3.762	56	56	Below Cal #	14	
16) Acetone	4.144	43	2830	Below Cal	93	
18) Methyl Acetate	4.667	43	63	Below Cal #	55	
20) Methylene Chloride	4.956	84	11314	Below Cal #	75	
25) 2-Butanone	7.185	43	2082	3.407 ug/l #	52	
31) Cyclohexane	7.973	56	4769	1.301 ug/l #	27	
36) 1,1-Dichloropropene	7.979	75	14647	4.378 ug/l #	52	
38) Carbon Tetrachloride	7.973	117	18212	5.244 ug/l #	17	
51) 4-Methyl-2-Pentanone	10.220	43	1959	1.328 ug/l #	39	
76) 1,2,3-Trichloropropane	12.620	75	72896	47.799 ug/l #	100	
81) trans-1,4-Dichloro-2-b...	12.620	75	72896	109.919 ug/l #	7	

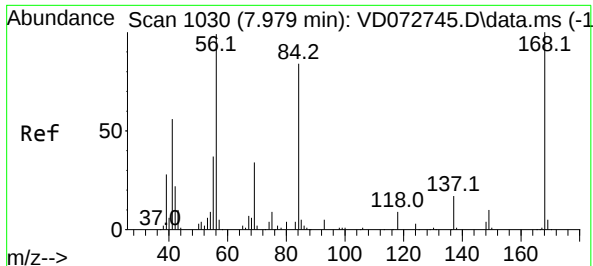
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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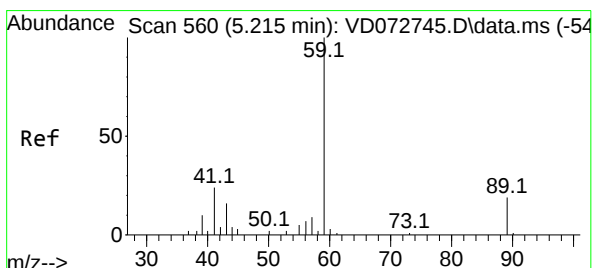
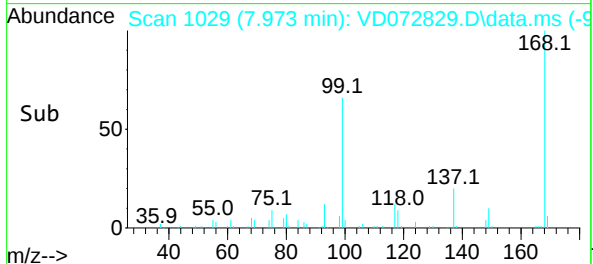
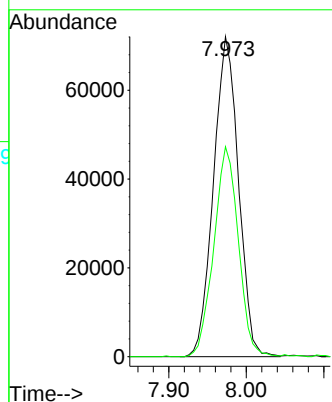
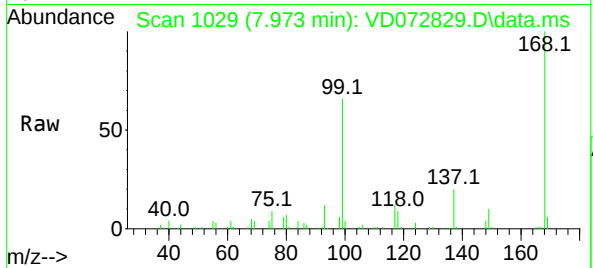




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

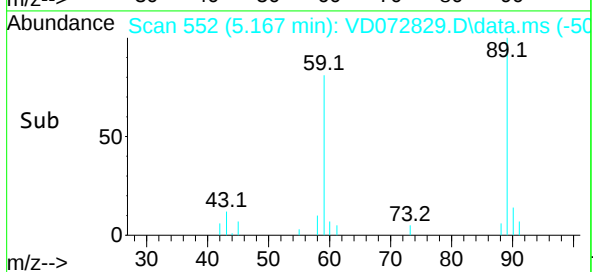
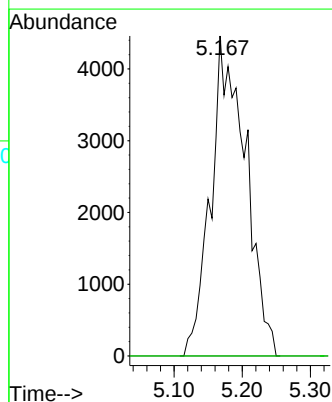
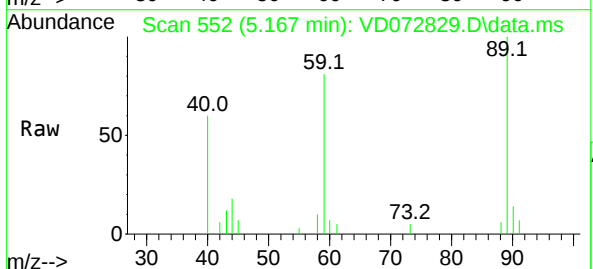
Instrument :
MSVOA_D
ClientSampleId :
B1-5-7

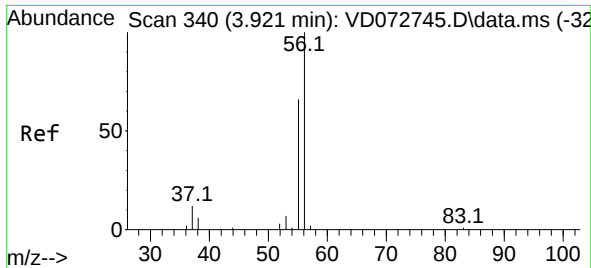
Tgt Ion:168 Resp: 161558
Ion Ratio Lower Upper
168 100
99 65.6 49.8 74.6



#11
Tert butyl alcohol
Concen: 87.056 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.048 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

Tgt Ion: 59 Resp: 15796
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#13

Acrolein

Concen: Below Cal

RT: 3.762 min Scan# 31

Delta R.T. -0.159 min

Lab File: VD072829.D

Acq: 06 May 2022 01:46

Instrument :

MSVOA_D

ClientSampleId :

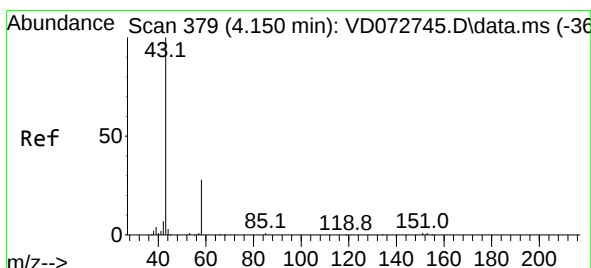
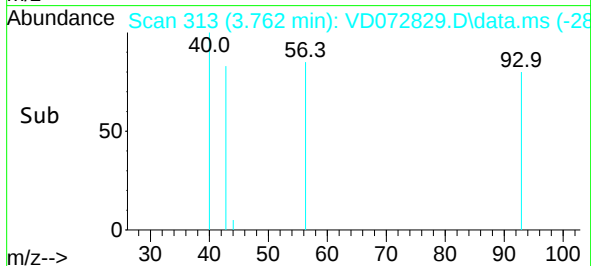
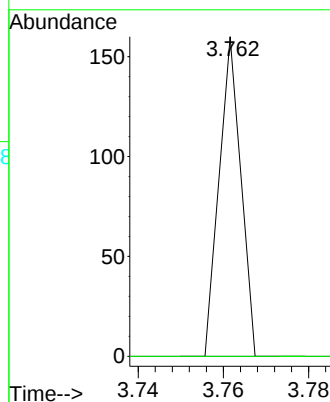
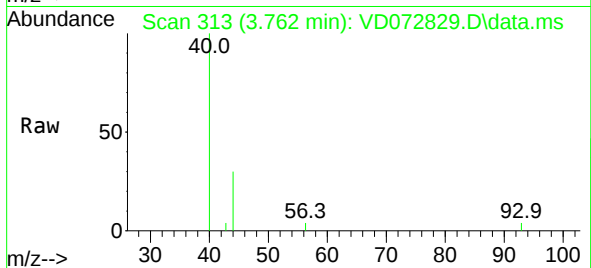
B1-5-7

Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: Below Cal

RT: 4.144 min Scan# 378

Delta R.T. -0.006 min

Lab File: VD072829.D

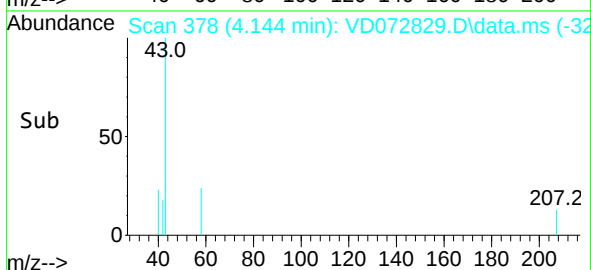
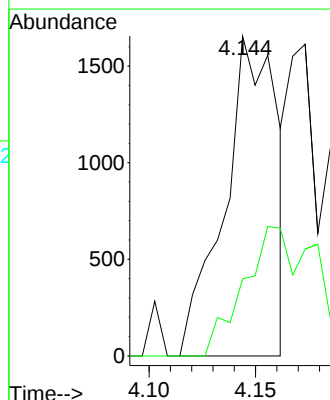
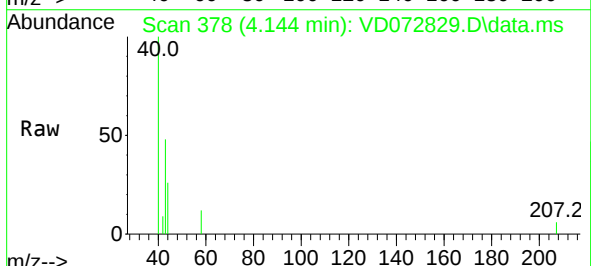
Acq: 06 May 2022 01:46

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

43 100

58 24.1 22.1 33.1



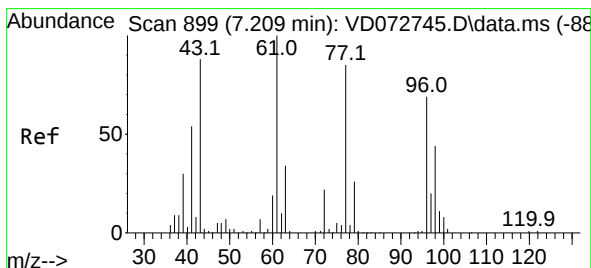
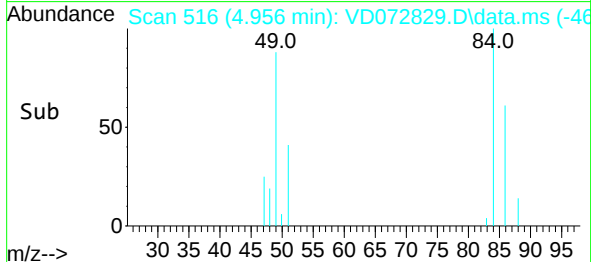
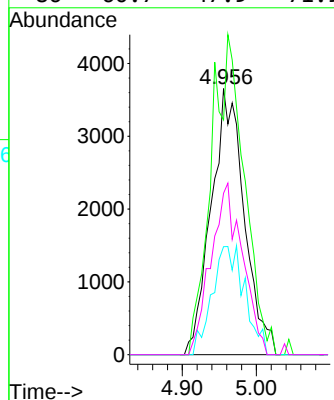
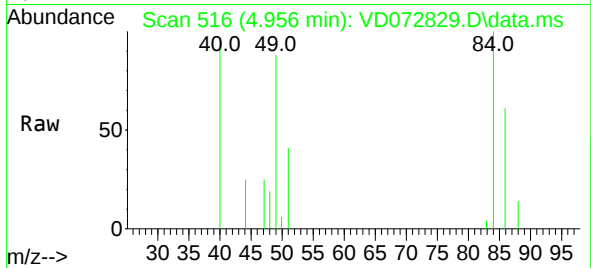


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

Instrument :
MSVOA_D
ClientSampleId :
B1-5-7

Tgt Ion: 84 Resp: 11314

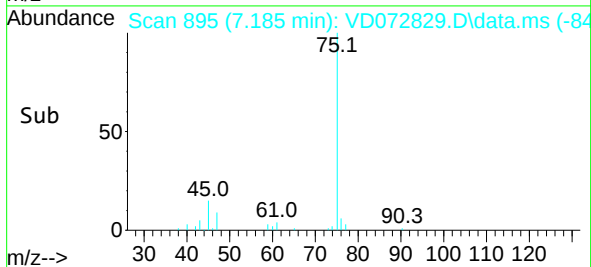
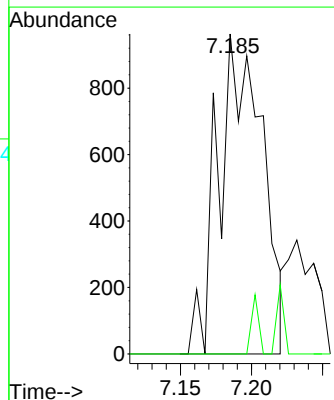
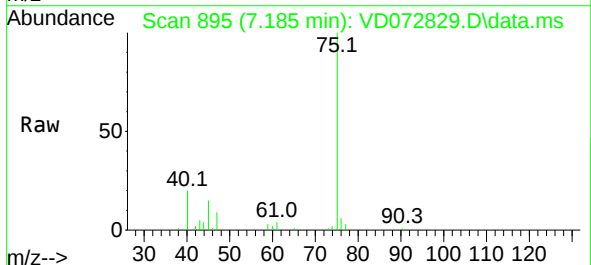
Ion	Ratio	Lower	Upper
84	100		
49	88.2	112.8	169.2#
51	40.6	32.6	48.8
86	60.7	47.9	71.9

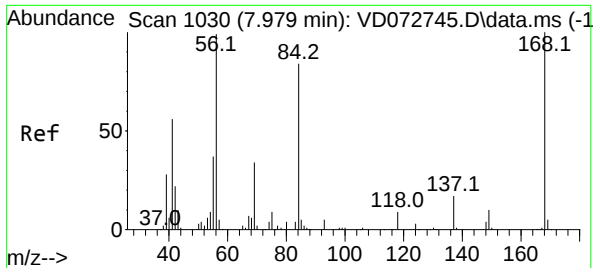


#25
2-Butanone
Concen: 3.407 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

Tgt Ion: 43 Resp: 2082

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

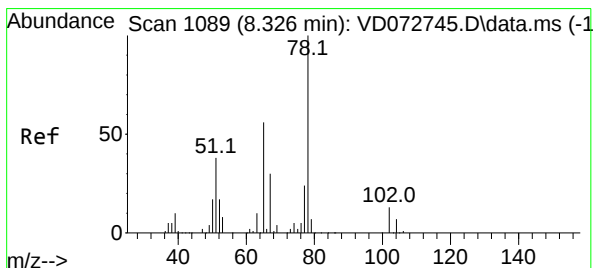
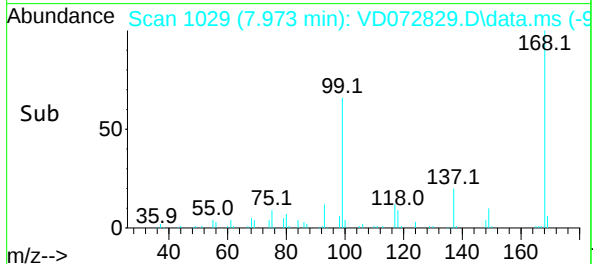
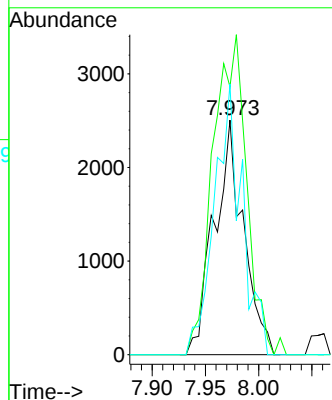
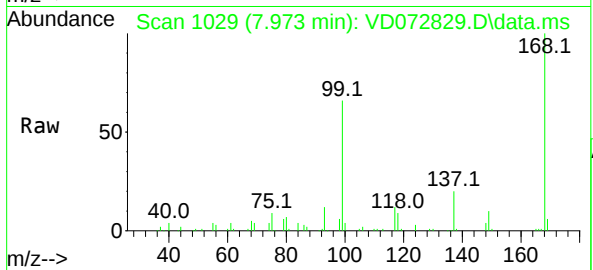




#31
Cyclohexane
Concen: 1.301 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

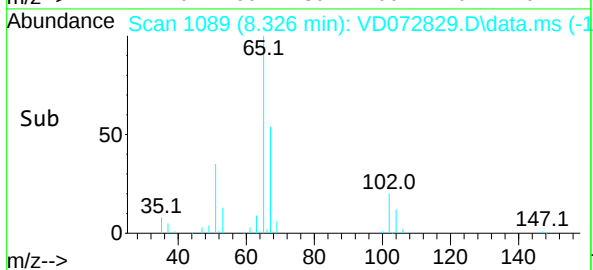
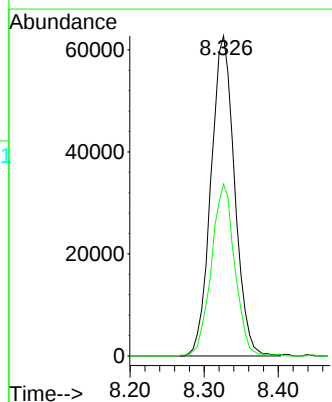
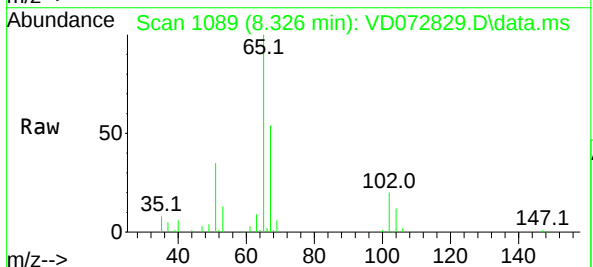
Instrument :
MSVOA_D
ClientSampleId :
B1-5-7

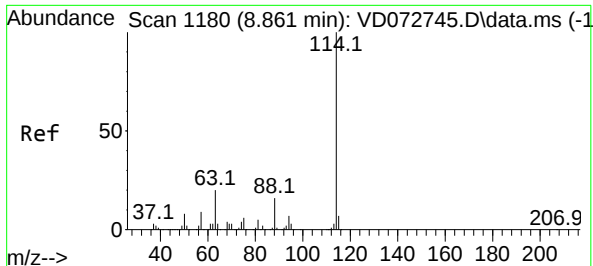
Tgt Ion: 56 Resp: 4769
Ion Ratio Lower Upper
56 100
69 114.2 25.4 38.2#
84 115.4 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 66.198 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

Tgt Ion: 65 Resp: 138828
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072829.D

Acq: 06 May 2022 01:46

Instrument :

MSVOA_D

ClientSampleId :

B1-5-7

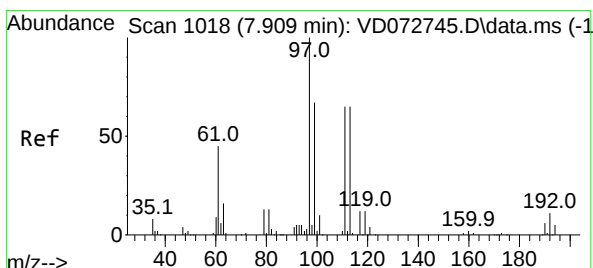
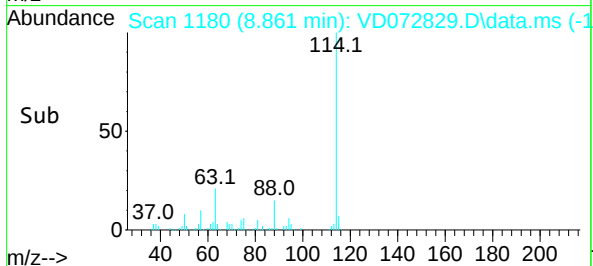
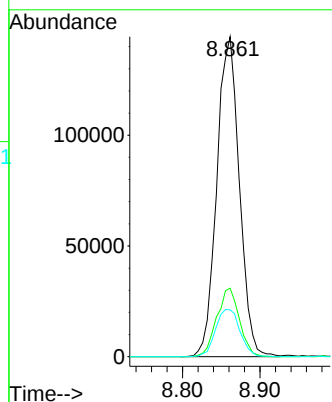
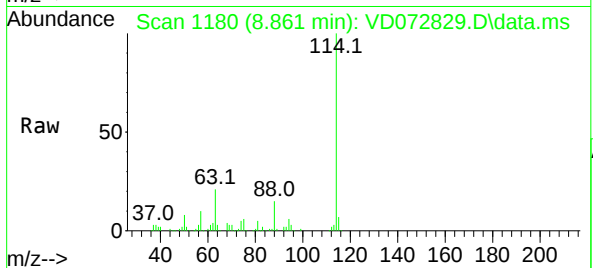
Tgt Ion:114 Resp: 292947

Ion Ratio Lower Upper

114 100

63 21.4 0.0 46.6

88 14.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.147 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072829.D

Acq: 06 May 2022 01:46

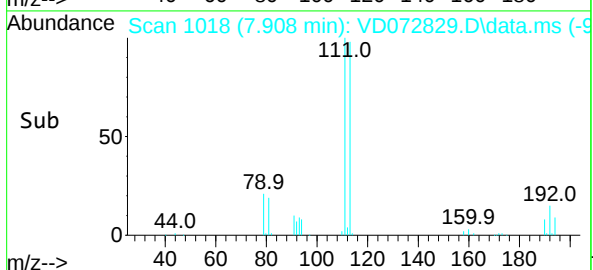
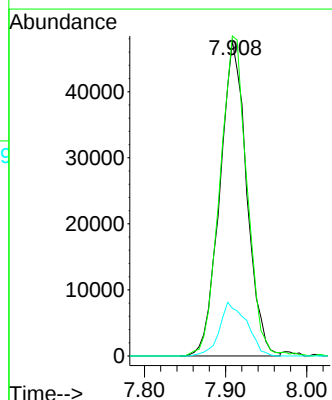
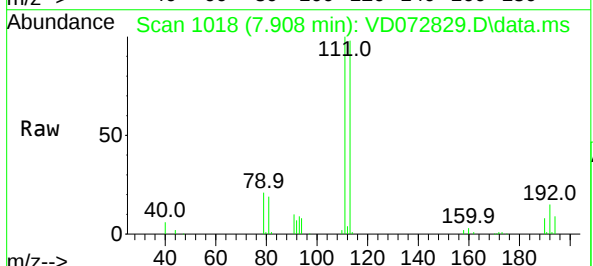
Tgt Ion:113 Resp: 109344

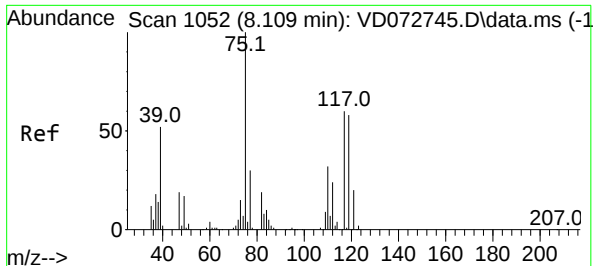
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 17.4 14.6 21.8

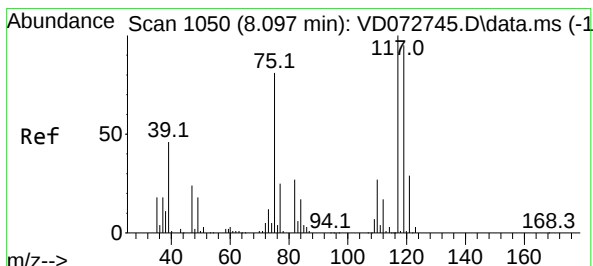
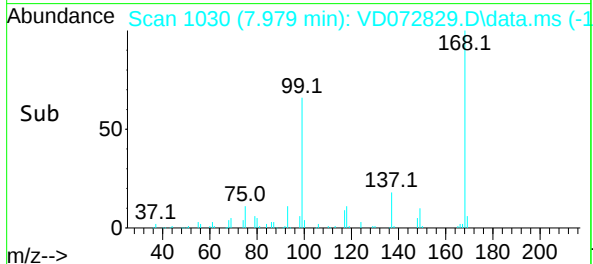
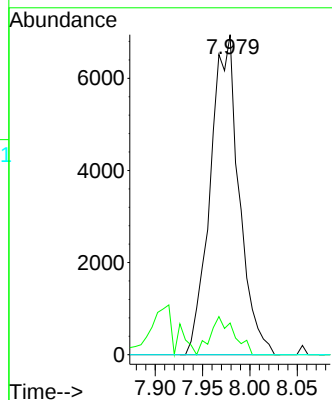
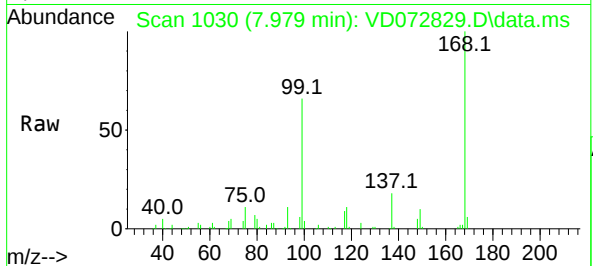




#36
1,1-Dichloropropene
Concen: 4.378 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.130 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

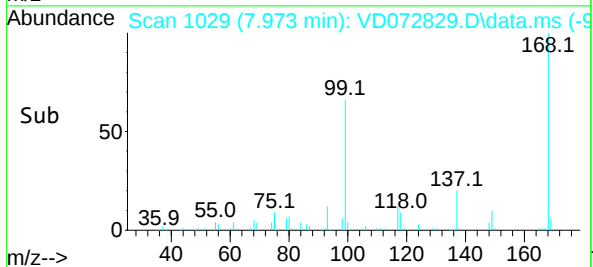
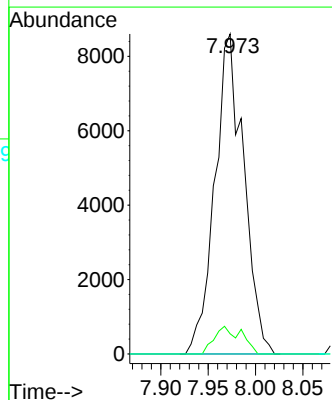
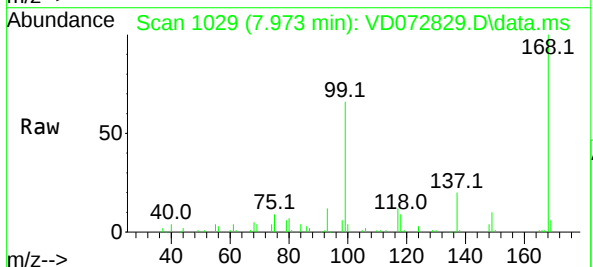
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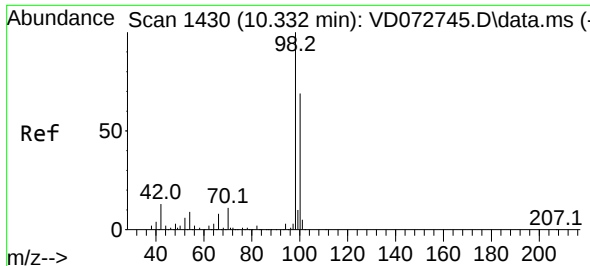
Tgt Ion: 75 Resp: 14647
Ion Ratio Lower Upper
75 100
110 9.9 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 5.244 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

Tgt Ion: 117 Resp: 18212
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.6#
121 0.0 24.5 36.7#

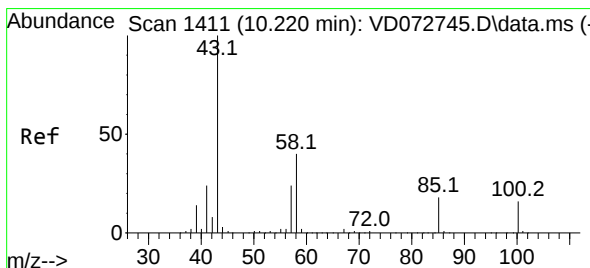
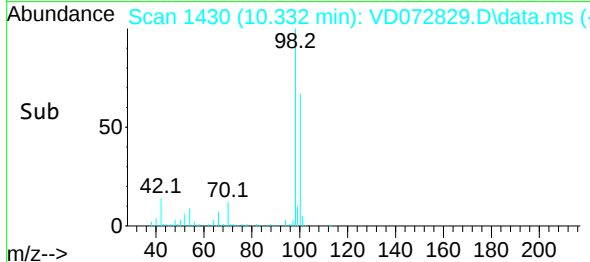
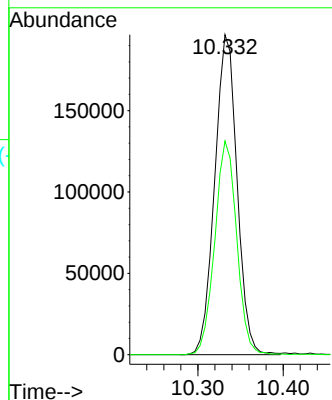
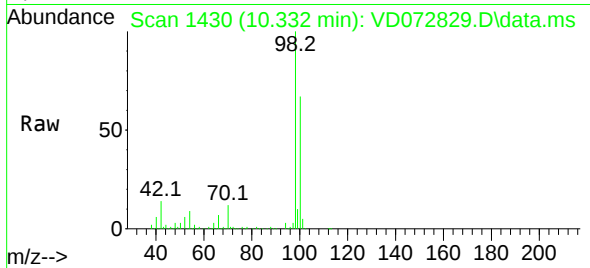




#50
Toluene-d8
Concen: 48.597 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

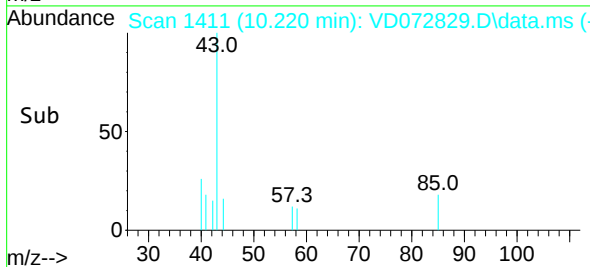
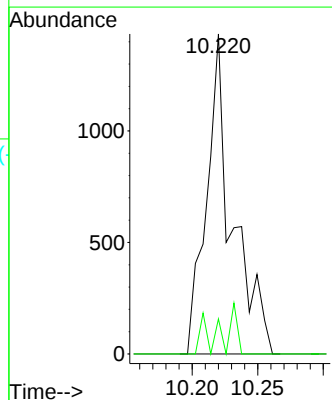
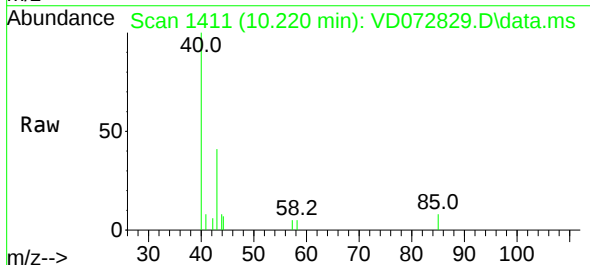
Instrument :
MSVOA_D
ClientSampleId :
B1-5-7

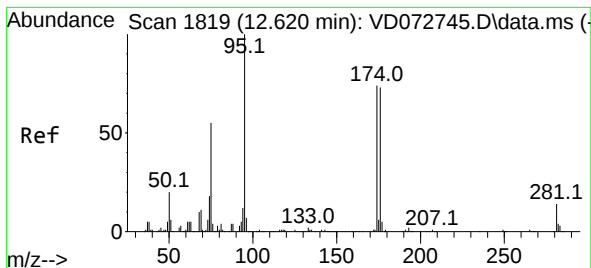
Tgt Ion: 98 Resp: 358647
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.328 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

Tgt Ion: 43 Resp: 1959
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

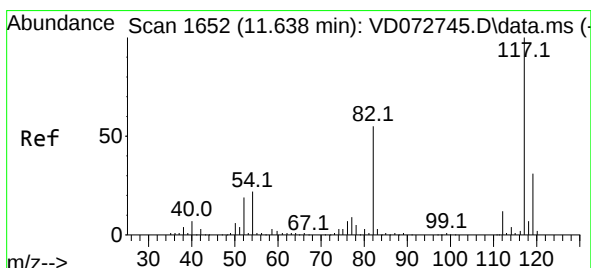
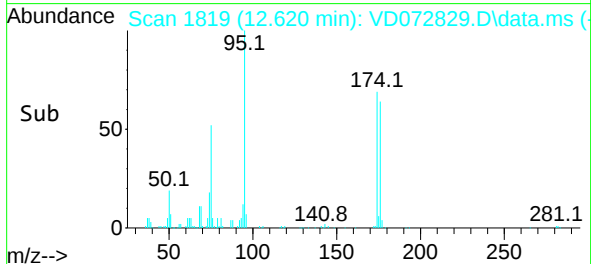
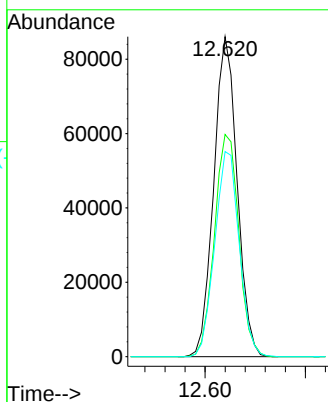
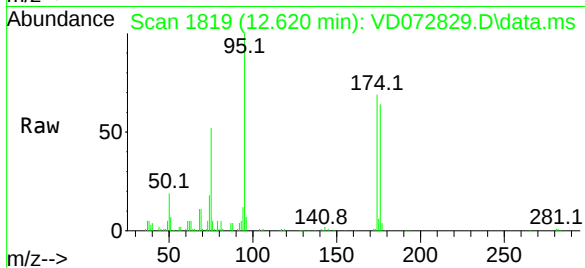




#62
4-Bromofluorobenzene
Concen: 50.426 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

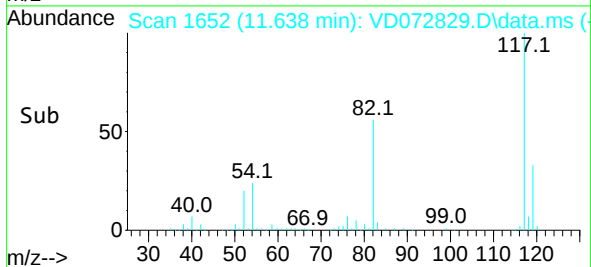
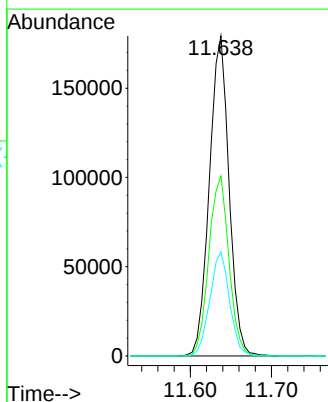
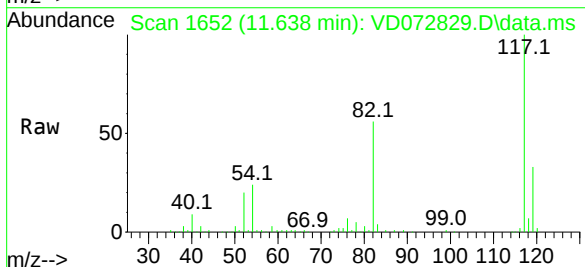
Instrument :
MSVOA_D
ClientSampleId :
B1-5-7

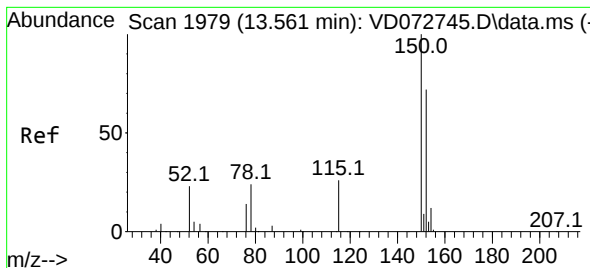
Tgt Ion: 95 Resp: 138765
Ion Ratio Lower Upper
95 100
174 72.4 0.0 152.8
176 67.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072829.D
Acq: 06 May 2022 01:46

Tgt Ion: 117 Resp: 301911
Ion Ratio Lower Upper
117 100
82 56.3 45.3 67.9
119 32.5 26.6 40.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD072829.D

Acq: 06 May 2022 01:46

Instrument :

MSVOA_D

ClientSampleId :

B1-5-7

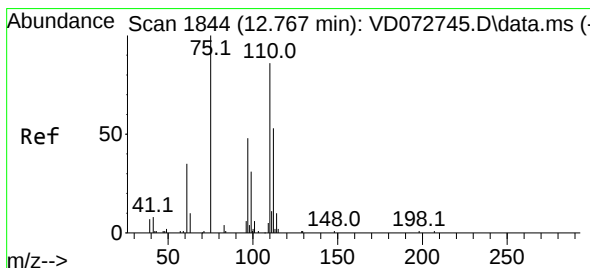
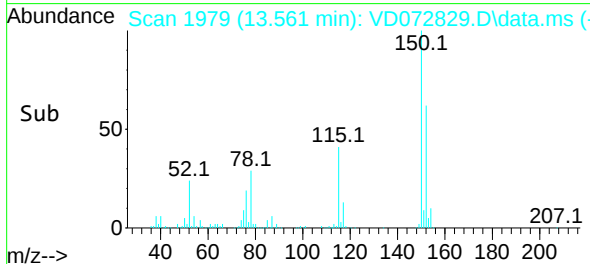
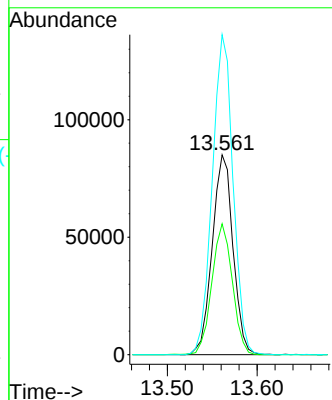
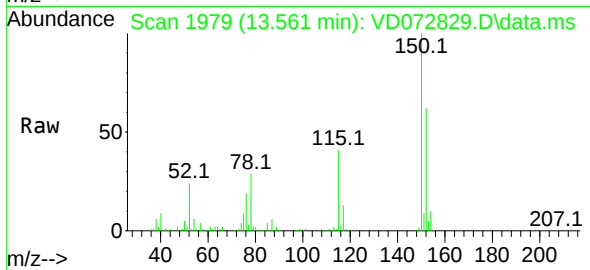
Tgt Ion:152 Resp: 136767

Ion Ratio Lower Upper

152 100

115 64.6 31.3 93.8

150 159.8 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 47.799 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD072829.D

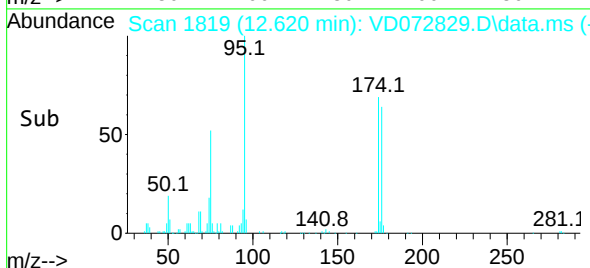
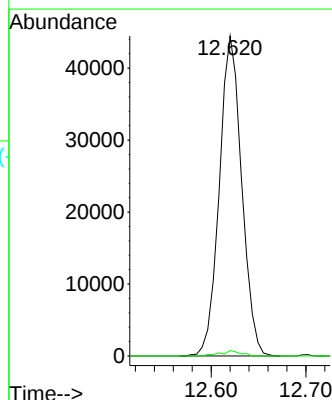
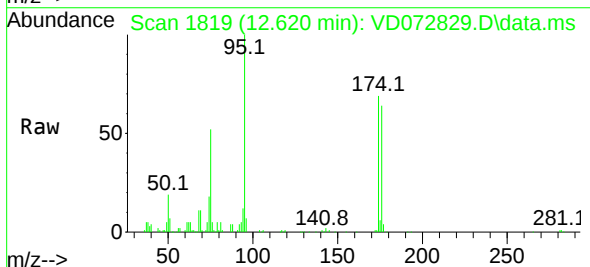
Acq: 06 May 2022 01:46

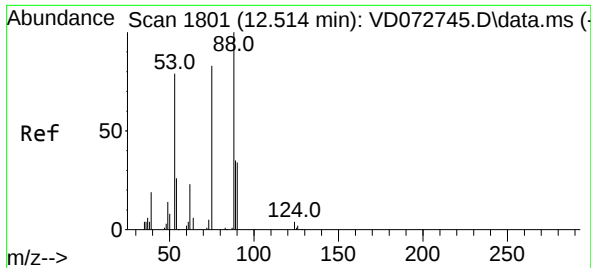
Tgt Ion: 75 Resp: 72896

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.919 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072829.D
 Acq: 06 May 2022 01:46

Instrument :
 MSVOA_D
 ClientSampleId :
 B1-5-7

Tgt Ion: 75 Resp: 72896
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.5 129.7#
 89 0.0 33.9 50.9#

