

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072817.D
 Acq On : 05 May 2022 18:37
 Operator : VA/SY
 Sample : N2672-10
 Misc : 5.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 10

Quant Time: May 06 03:51:34 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)

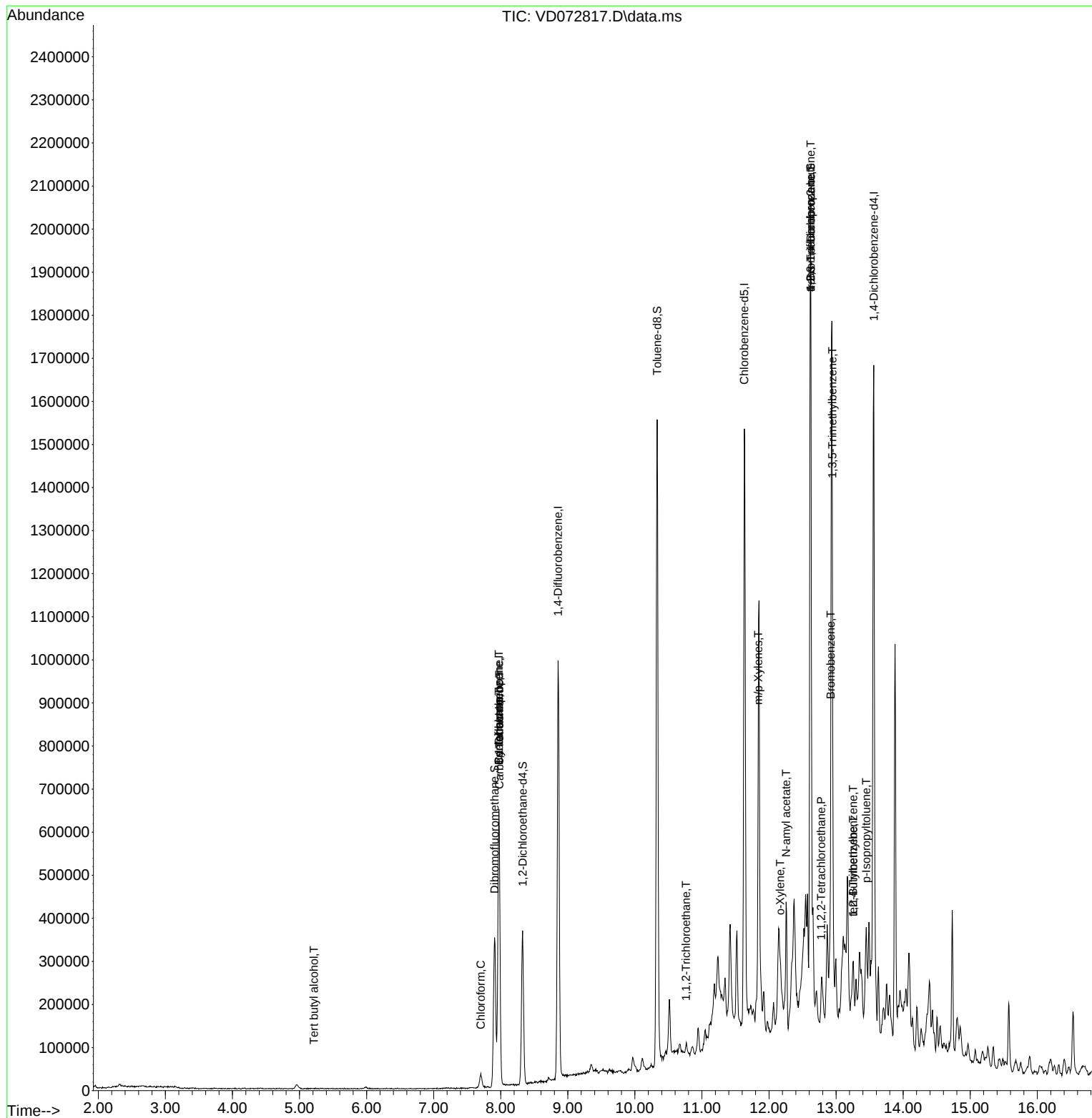
Internal Standards						
1) Pentafluorobenzene	7.973	168	441323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	797602	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	767734	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	346714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278629	48.637	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.280%		
35) Dibromofluoromethane	7.908	113	250861	44.783	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	89.560%		
50) Toluene-d8	10.332	98	992484	49.393	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.780%		
62) 4-Bromofluorobenzene	12.620	95	386279	51.556	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	103.120%		
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	1033	Below Cal		93
11) Tert butyl alcohol	5.215	59	567	1.144 ug/l #		74
13) Acrolein	3.726	56	92	Below Cal		93
16) Acetone	4.156	43	1252	Below Cal #		47
18) Methyl Acetate	4.615	43	114	Below Cal #		55
20) Methylene Chloride	4.962	84	6649	Below Cal #		82
30) Chloroform	7.703	83	25022	2.083 ug/l		89
31) Cyclohexane	7.973	56	12400	1.238 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	40181	4.411 ug/l #		53
38) Carbon Tetrachloride	7.979	117	50083	5.297 ug/l #		16
55) 1,1,2-Trichloroethane	10.761	97	11004	2.136 ug/l #		22
68) m/p-Xylenes	11.838	106	15624	1.320 ug/l		95
69) o-Xylene	12.167	106	19066	1.725 ug/l		91
74) N-amyl acetate	12.255	43	64988	9.674 ug/l #		66
75) 1,1,2,2-Tetrachloroethane	12.779	83	6045	1.110 ug/l #		28
76) 1,2,3-Trichloropropane	12.620	75	217989	56.385 ug/l #		100
77) Bromobenzene	12.920	156	72838	11.371 ug/l #		1
80) 1,3,5-Trimethylbenzene	12.944	105	58585	2.561 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.620	75	217989	129.662 ug/l #		8
83) tert-Butylbenzene	13.255	119	19876	1.022 ug/l #		70
84) 1,2,4-Trimethylbenzene	13.255	105	75789	3.315 ug/l		100
86) p-Isopropyltoluene	13.449	119	26834	1.116 ug/l		92

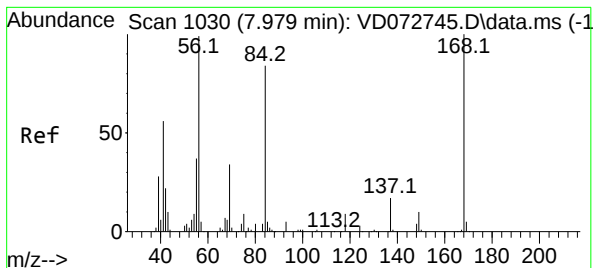
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

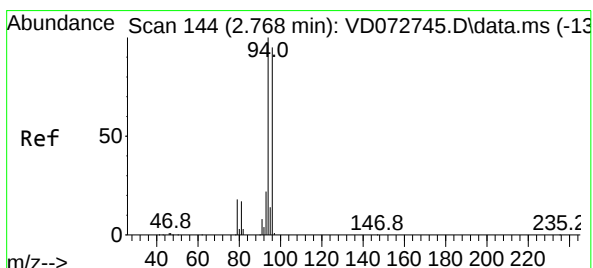
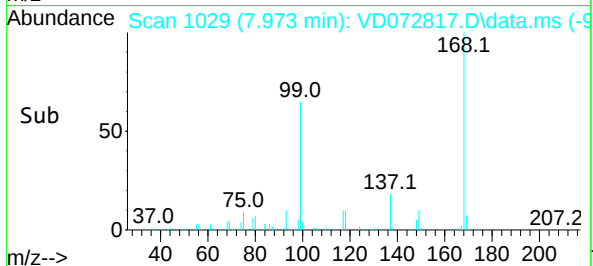
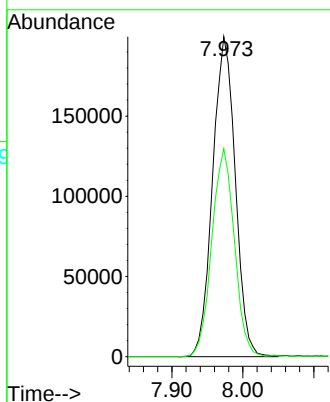
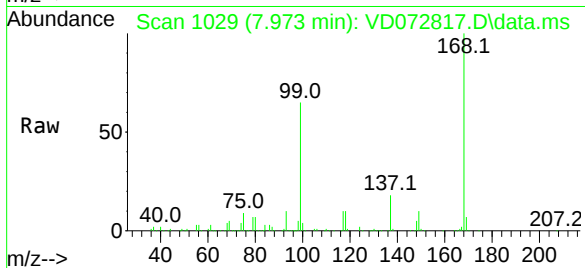




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

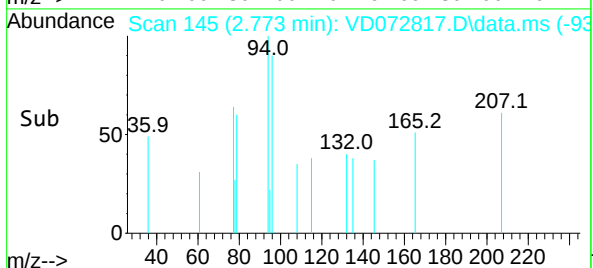
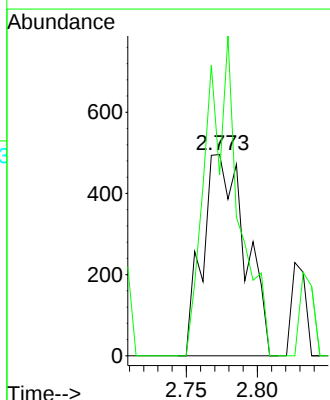
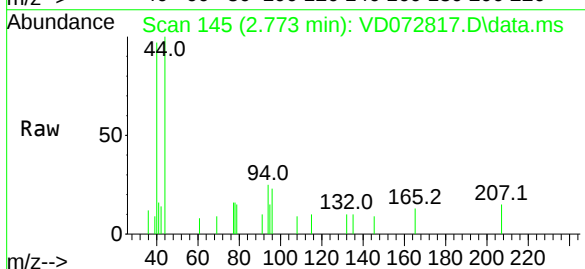
Instrument :
MSVOA_D
ClientSampleId :
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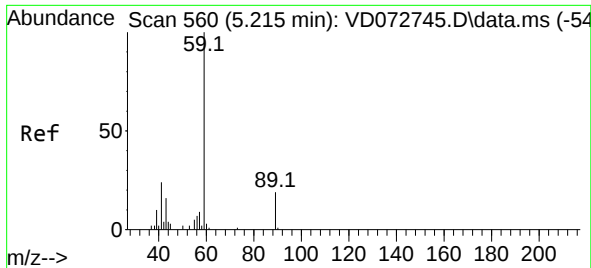
Tgt Ion:168 Resp: 441323
Ion Ratio Lower Upper
168 100
99 65.0 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

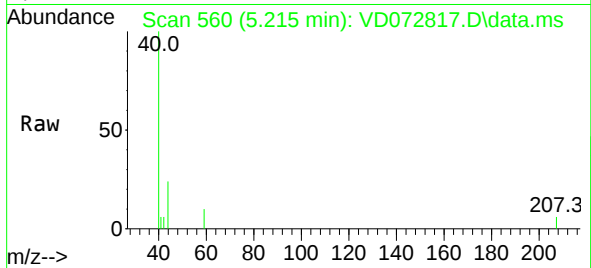
Tgt Ion: 94 Resp: 1033
Ion Ratio Lower Upper
94 100
96 89.9 77.6 116.4



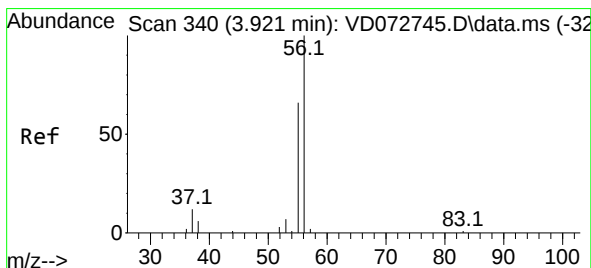
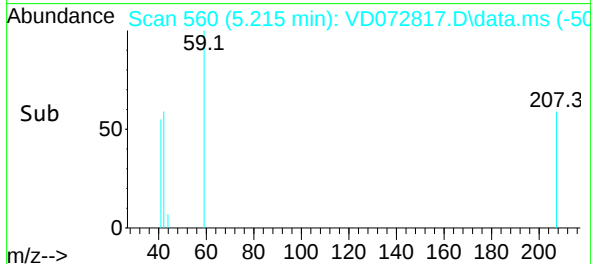
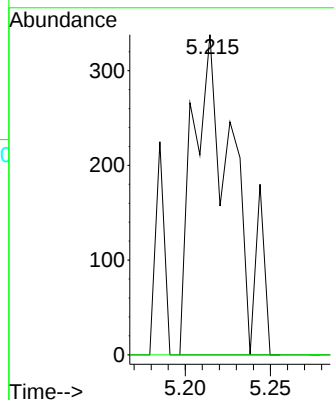


#11
Tert butyl alcohol
Concen: 1.144 ug/l
RT: 5.215 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Instrument :
MSVOA_D
ClientSampleId :
10

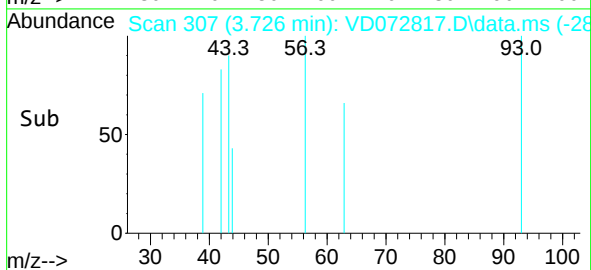
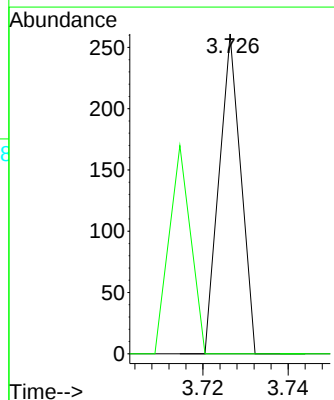
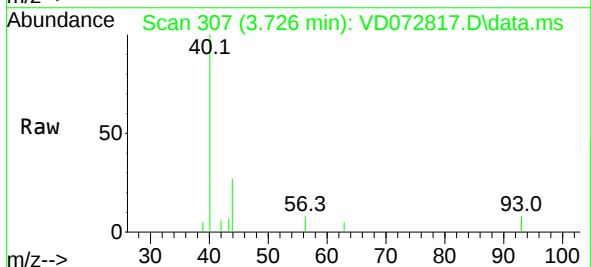


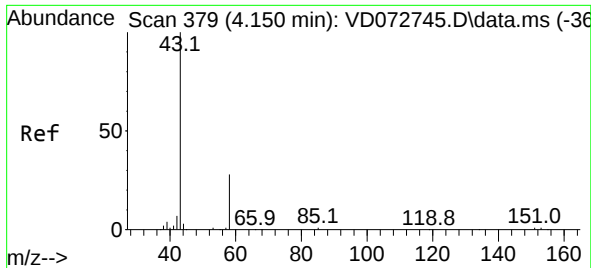
Tgt Ion: 59 Resp: 567
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: Below Cal
RT: 3.726 min Scan# 307
Delta R.T. -0.195 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion: 56 Resp: 92
Ion Ratio Lower Upper
56 100
55 65.2 57.1 85.7

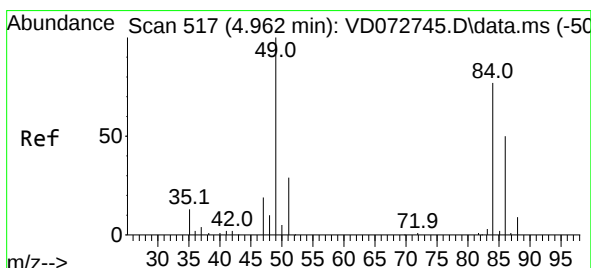
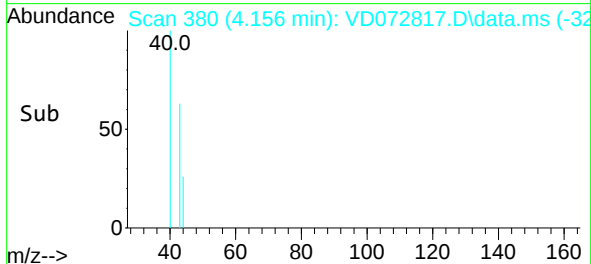
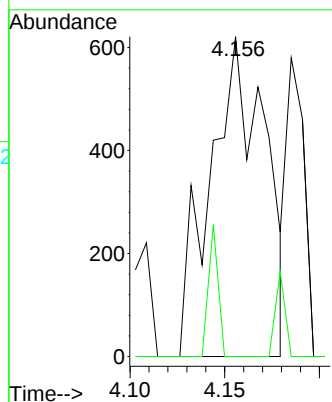
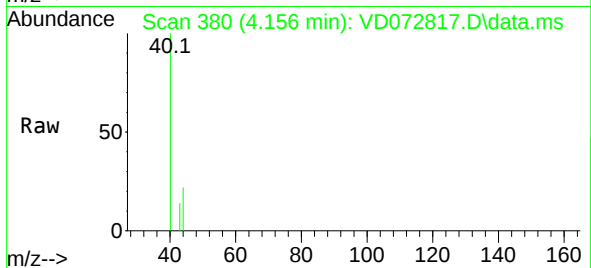




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

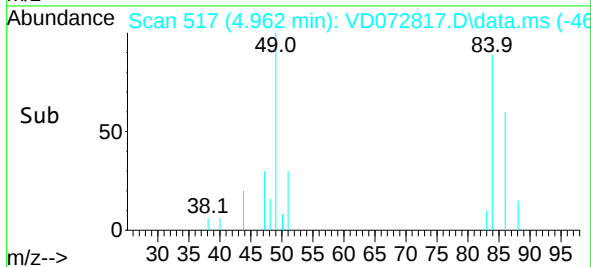
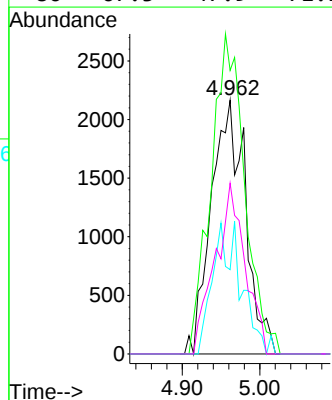
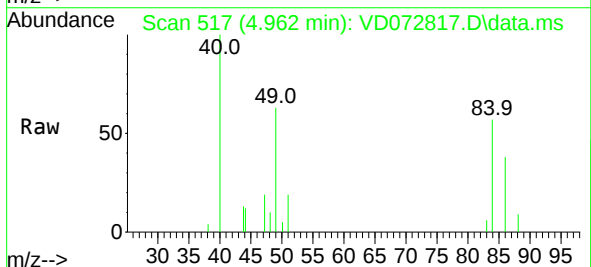
Instrument :
MSVOA_D
ClientSampleId :
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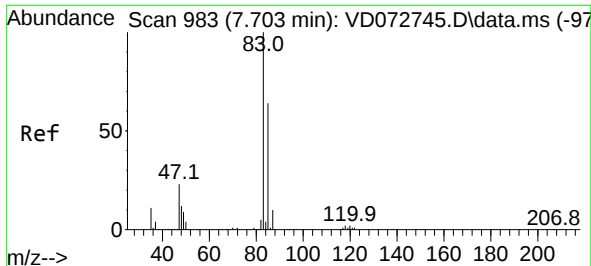
Tgt Ion: 43 Resp: 1252
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion: 84 Resp: 6649
Ion Ratio Lower Upper
84 100
49 111.7 112.8 169.2#
51 33.3 32.6 48.8
86 67.3 47.9 71.9

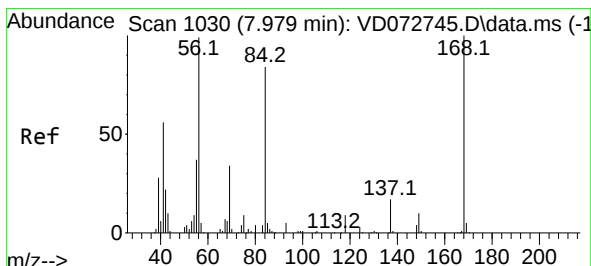
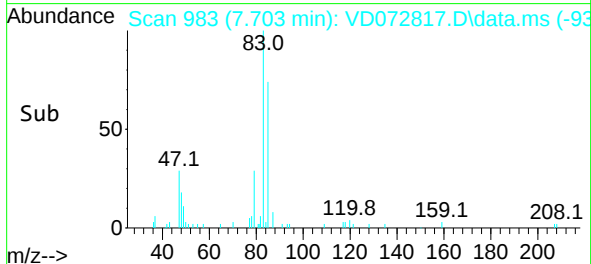
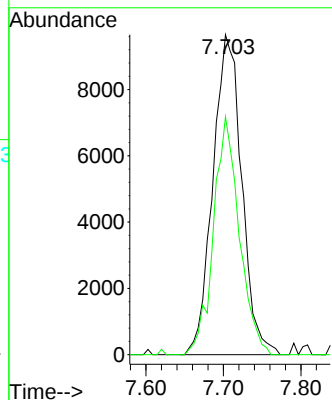
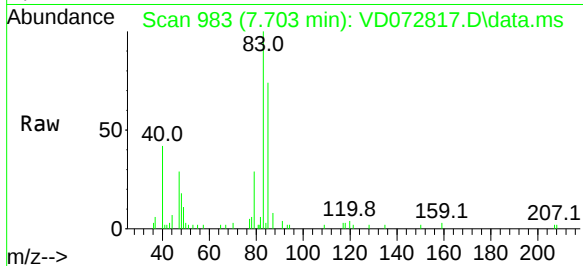




#30
Chloroform
Concen: 2.083 ug/l
RT: 7.703 min Scan# 910
Delta R.T. -0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

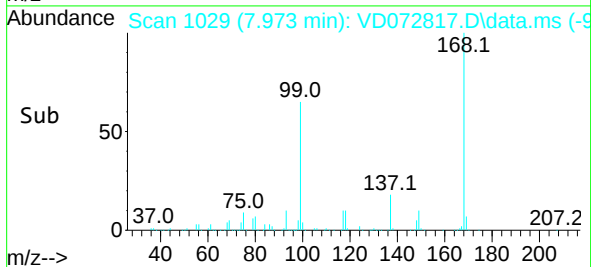
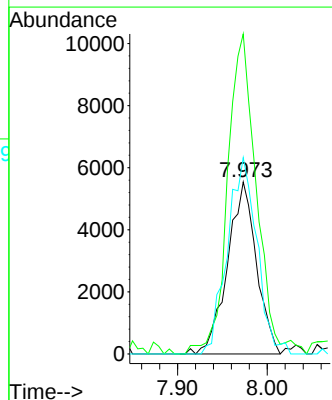
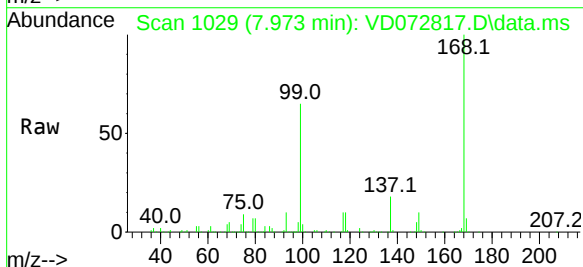
Instrument :
MSVOA_D
ClientSampleId :
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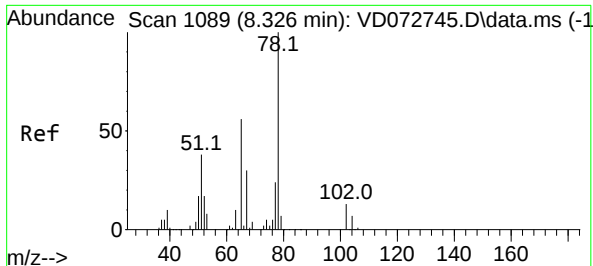
Tgt Ion: 83 Resp: 25022
Ion Ratio Lower Upper
83 100
85 74.3 52.7 79.1



#31
Cyclohexane
Concen: 1.238 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion: 56 Resp: 12400
Ion Ratio Lower Upper
56 100
69 186.0 25.4 38.2#
84 114.2 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.637 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072817.D

Acq: 05 May 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :

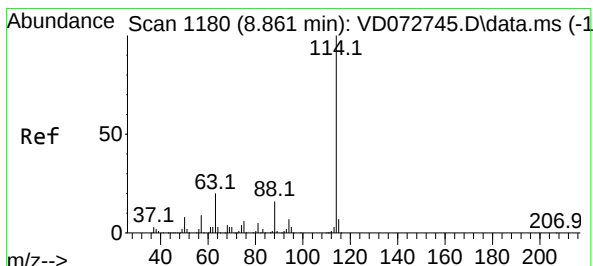
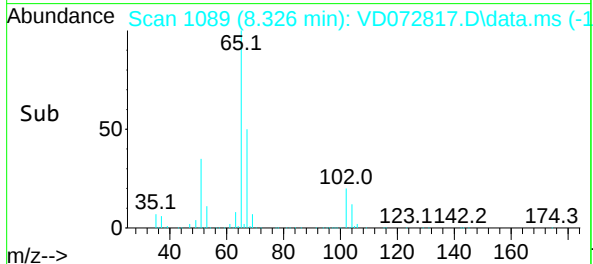
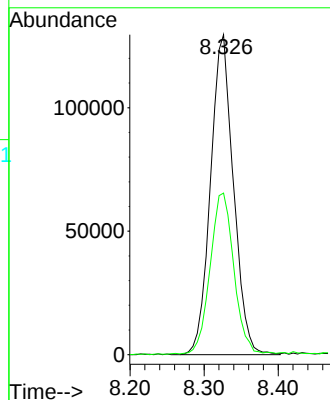
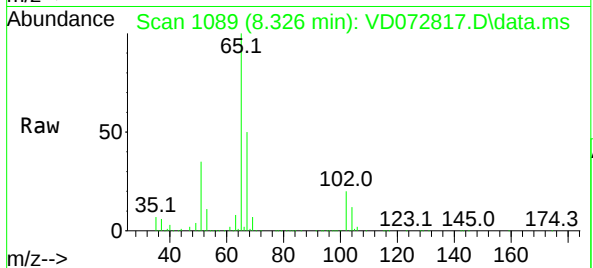
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Tgt Ion: 65 Resp: 278629

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072817.D

Acq: 05 May 2022 18:37

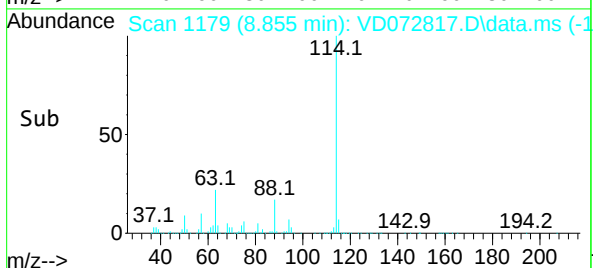
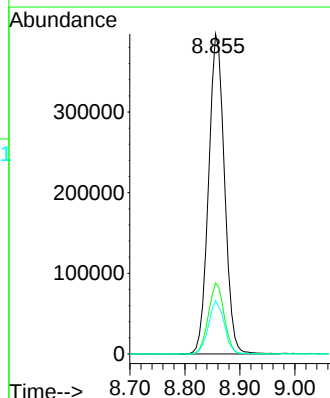
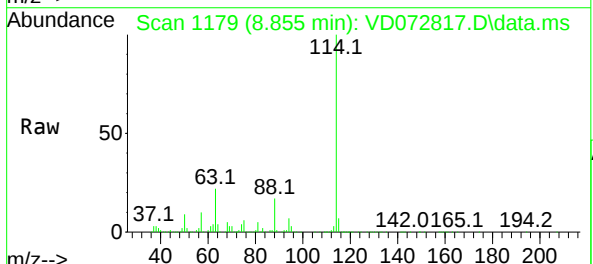
Tgt Ion: 114 Resp: 797602

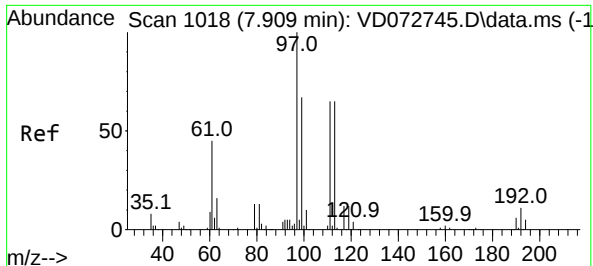
Ion Ratio Lower Upper

114 100

63 22.2 0.0 46.6

88 16.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 44.783 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072817.D

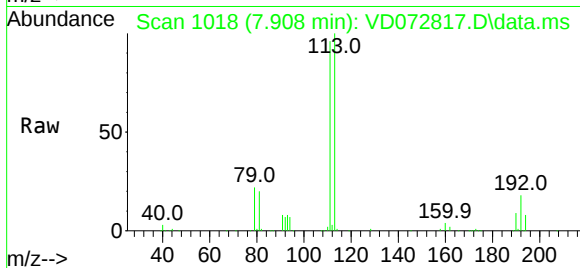
Acq: 05 May 2022 18:37

Instrument :

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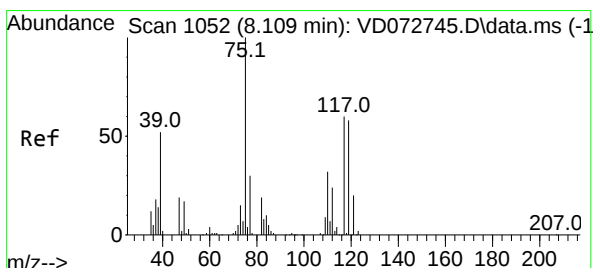
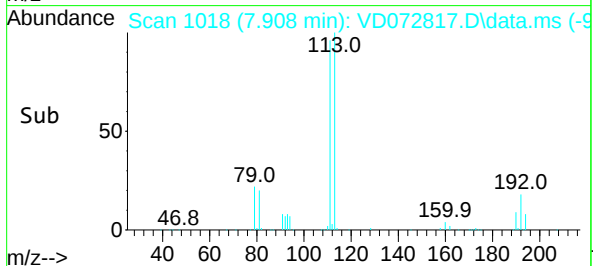
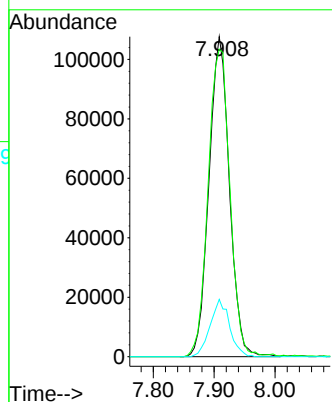
Tgt Ion:113 Resp: 250861

Ion Ratio Lower Upper

113 100

111 102.0 83.8 125.6

192 17.0 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.411 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072817.D

Acq: 05 May 2022 18:37

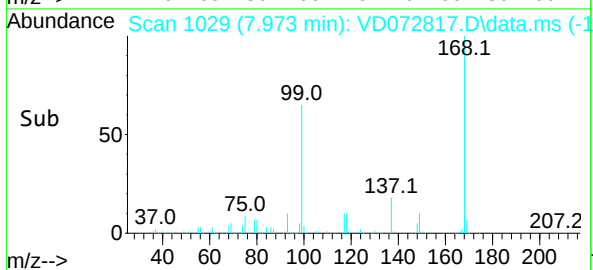
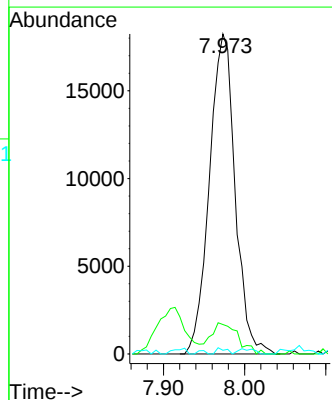
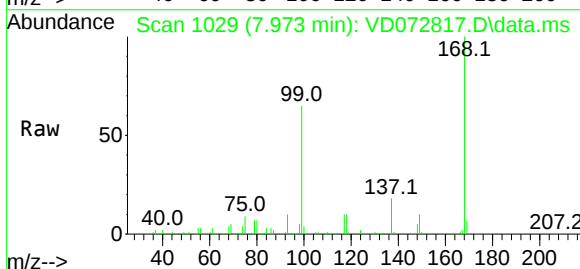
Tgt Ion: 75 Resp: 40181

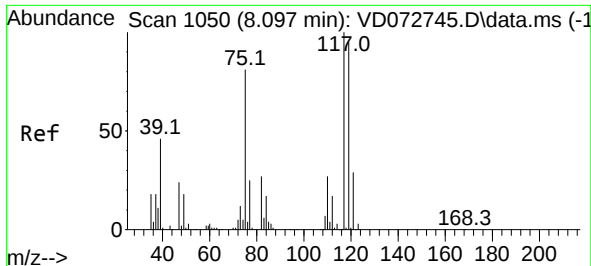
Ion Ratio Lower Upper

75 100

110 10.5 16.4 49.1#

77 0.7 24.2 36.2#

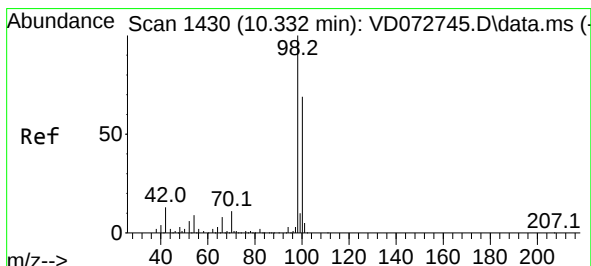
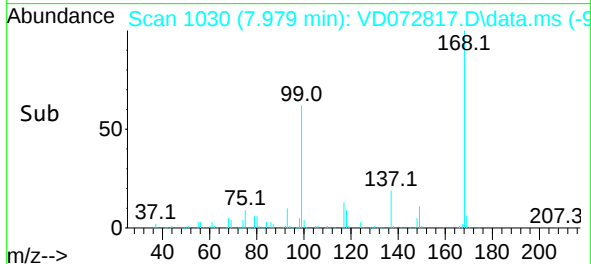
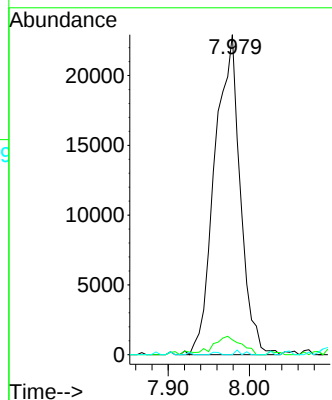
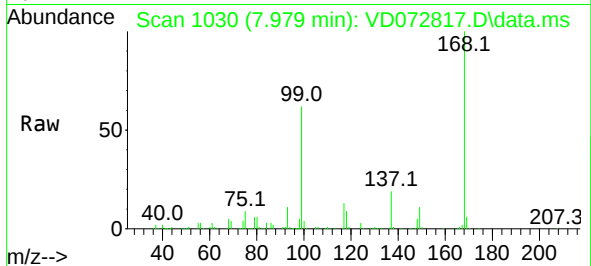




#38
Carbon Tetrachloride
Concen: 5.297 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.118 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

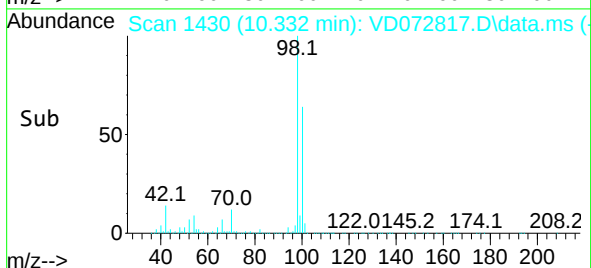
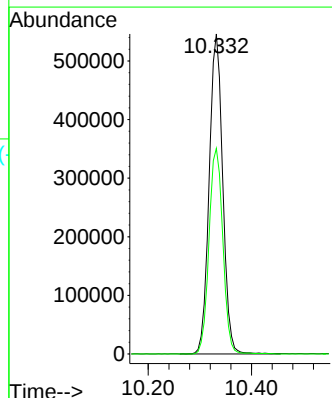
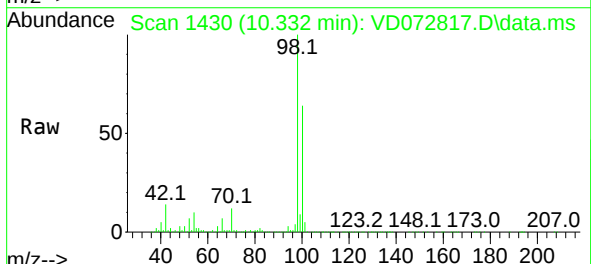
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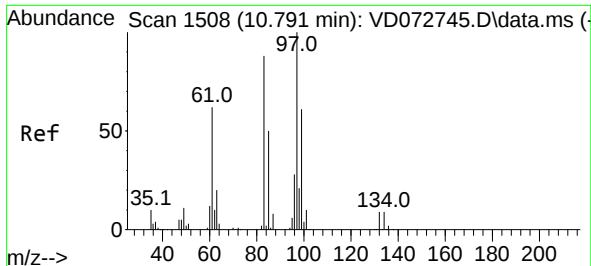
Tgt Ion:117 Resp: 50083
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.393 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion: 98 Resp: 992484
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6

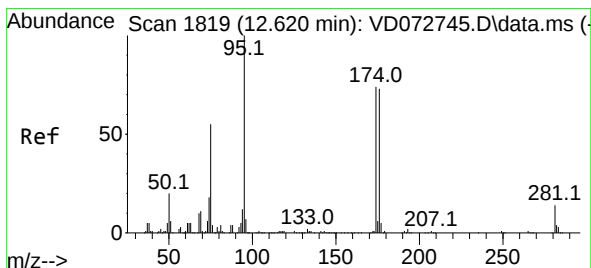
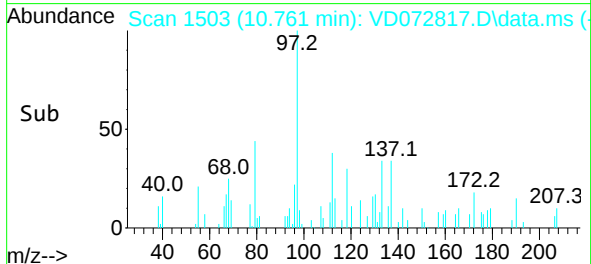
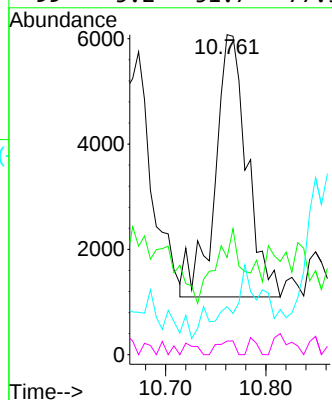
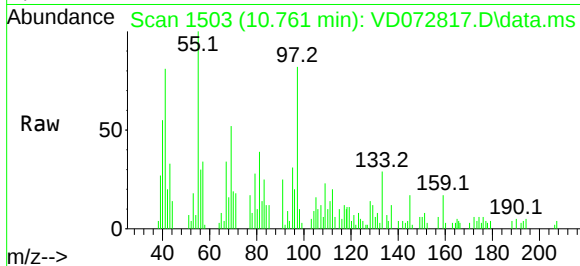




#55
1,1,2-Trichloroethane
Concen: 2.136 ug/l
RT: 10.761 min Scan# 1503
Delta R.T. -0.030 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

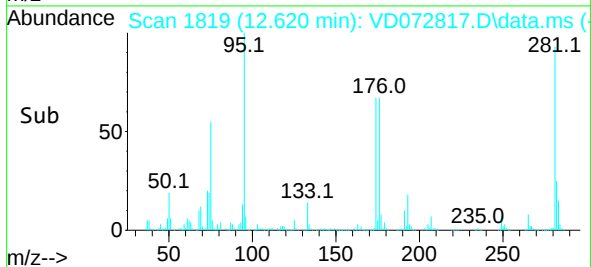
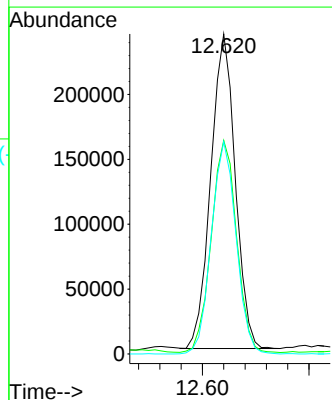
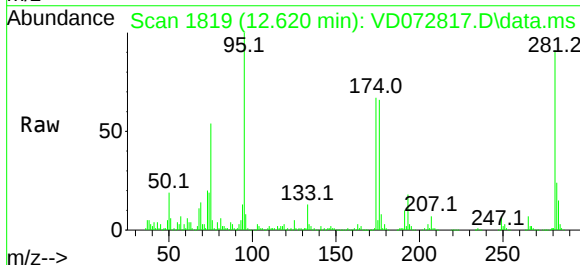
Instrument :
MSVOA_D
ClientSampleId :
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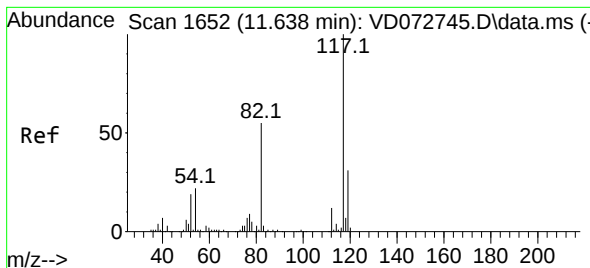
Tgt Ion: 97 Resp: 11004
Ion Ratio Lower Upper
97 100
83 3.0 69.0 103.4#
85 10.1 42.6 63.8#
99 5.2 51.7 77.5#



#62
4-Bromofluorobenzene
Concen: 51.556 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion: 95 Resp: 386279
Ion Ratio Lower Upper
95 100
174 69.6 0.0 152.8
176 68.3 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072817.D

Acq: 05 May 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :

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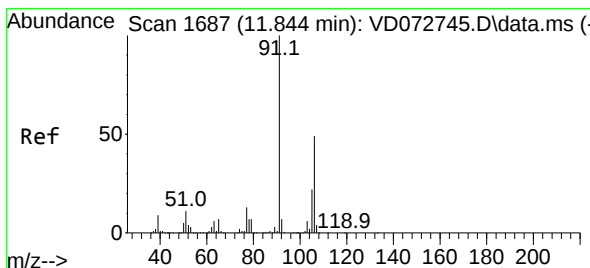
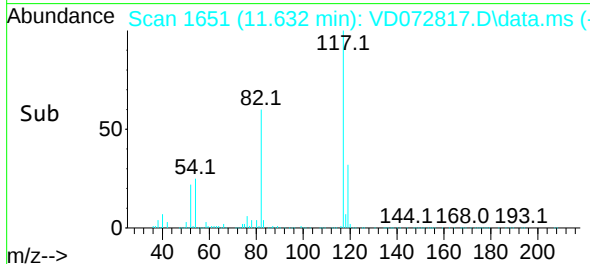
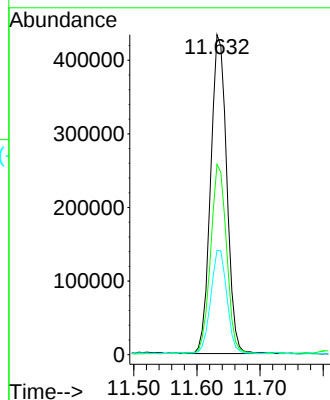
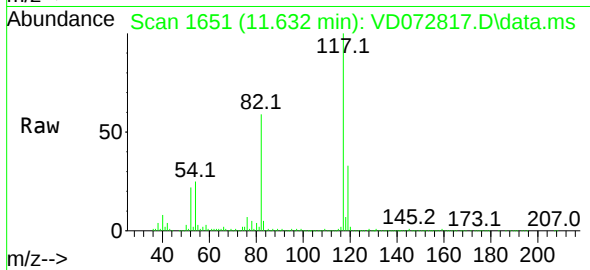
Tgt Ion:117 Resp: 767734

Ion Ratio Lower Upper

117 100

82 59.0 45.3 67.9

119 32.3 26.6 40.0



#68

m/p-Xylenes

Concen: 1.320 ug/l

RT: 11.838 min Scan# 1686

Delta R.T. -0.006 min

Lab File: VD072817.D

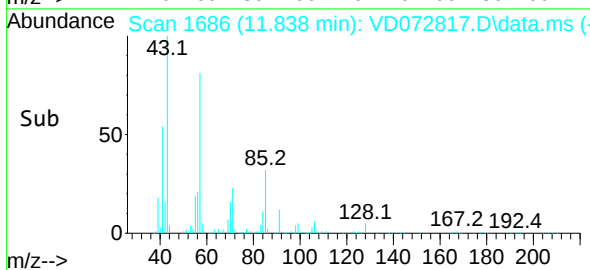
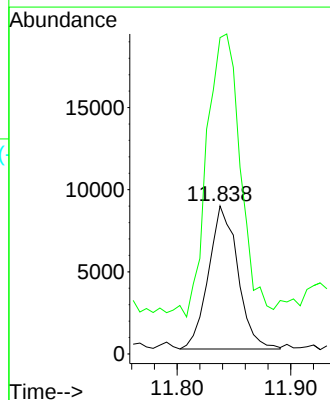
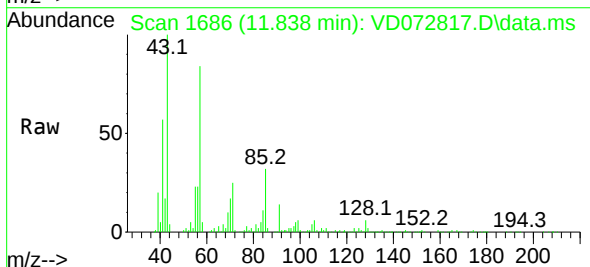
Acq: 05 May 2022 18:37

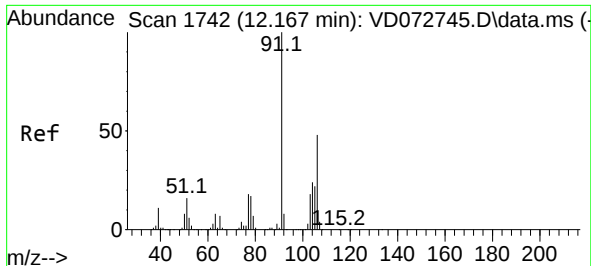
Tgt Ion:106 Resp: 15624

Ion Ratio Lower Upper

106 100

91 212.5 163.7 245.5

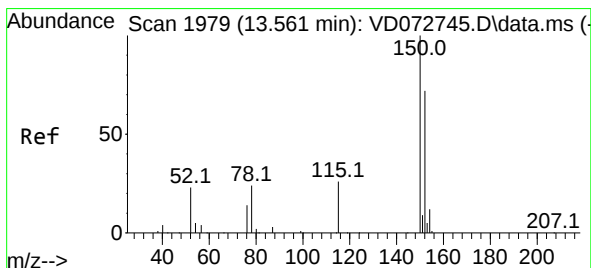
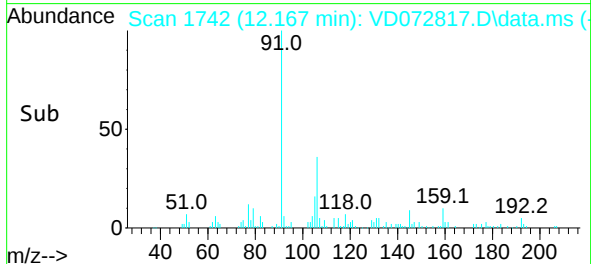
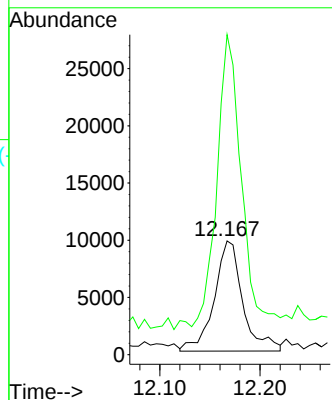
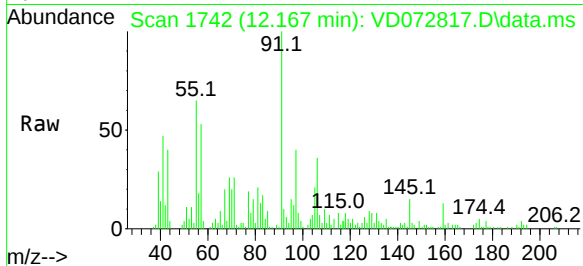




#69
o-Xylene
Concen: 1.725 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

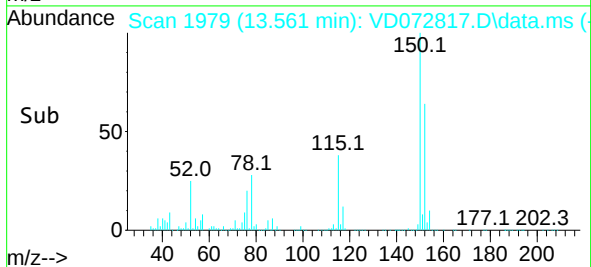
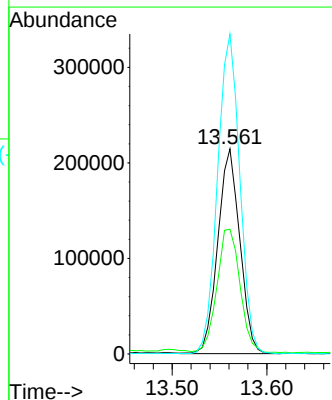
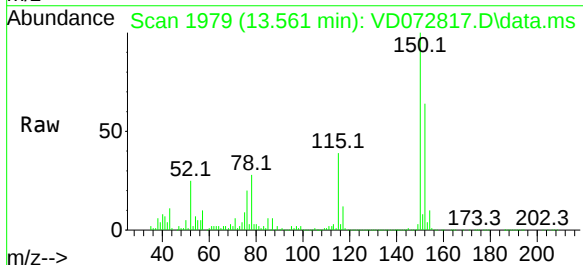
Instrument :
MSVOA_D
ClientSampleId :
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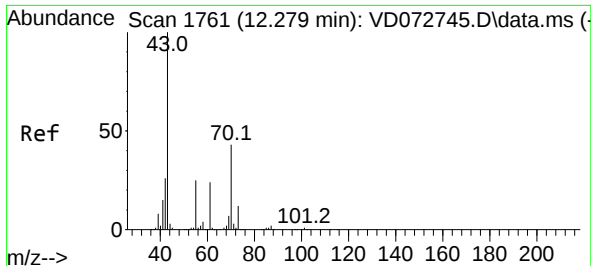
Tgt Ion:106 Resp: 19066
Ion Ratio Lower Upper
106 100
91 234.8 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion:152 Resp: 346714
Ion Ratio Lower Upper
152 100
115 64.0 31.3 93.8
150 156.9 0.0 348.6

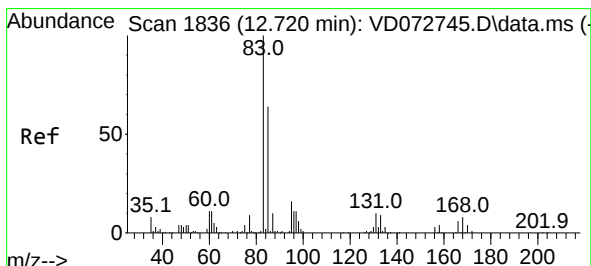
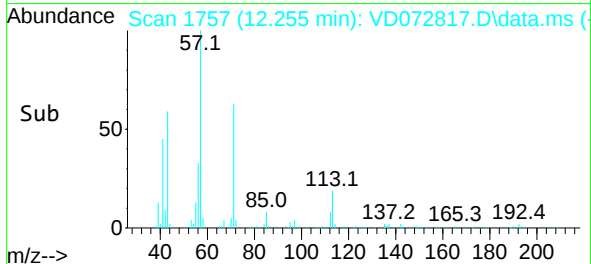
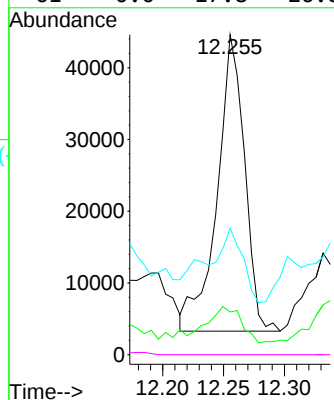
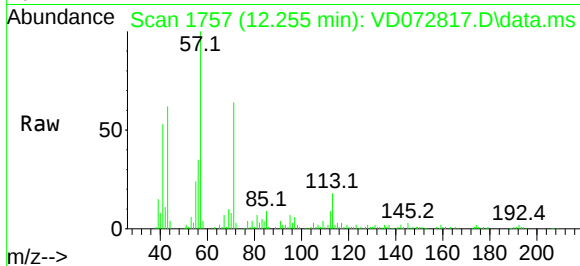




#74
N-amy1 acetate
Concen: 9.674 ug/l
RT: 12.255 min Scan# 1
Delta R.T. -0.024 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

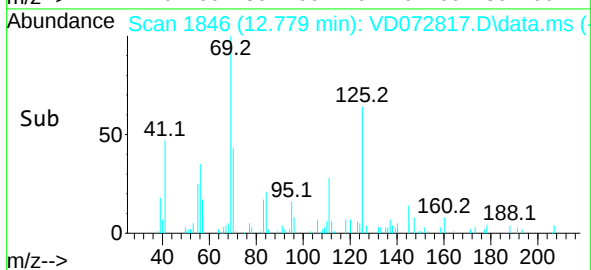
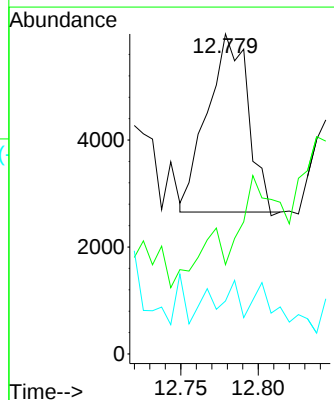
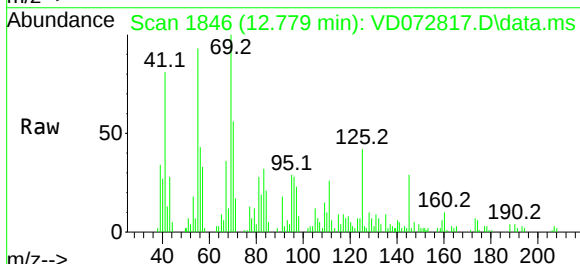
Instrument :
MSVOA_D
ClientSampleId :
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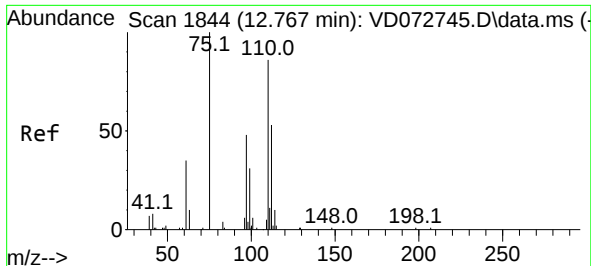
Tgt Ion: 43	Resp: 64988
Ion Ratio	Lower Upper
43 100	
70 15.6	31.3 46.9#
55 32.9	20.0 30.0#
61 0.0	17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.110 ug/l
RT: 12.779 min Scan# 1846
Delta R.T. 0.059 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion: 83	Resp: 6045		
Ion Ratio	Lower	Upper	
83 100			
131 10.3	5.0	14.9	
85 0.0	32.6	98.0#	

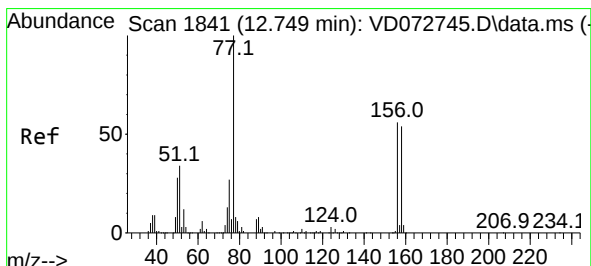
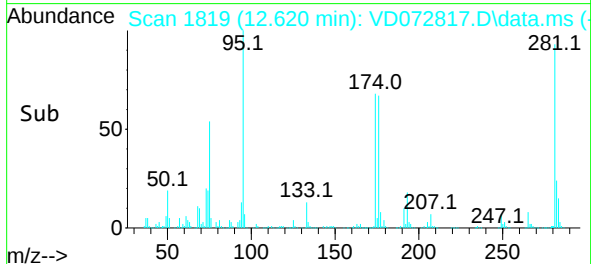
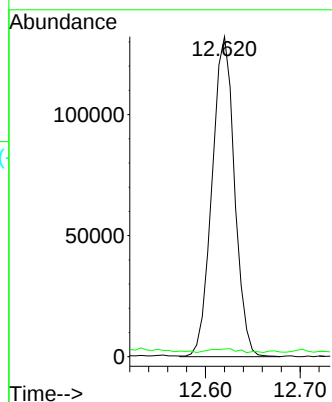
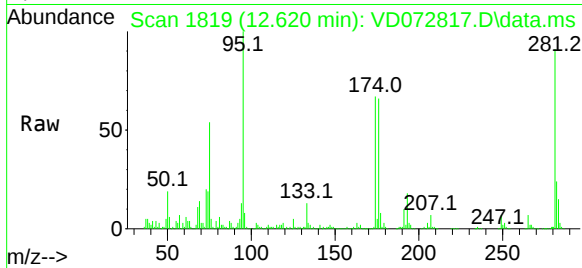




#76
1,2,3-Trichloropropane
Concen: 56.385 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

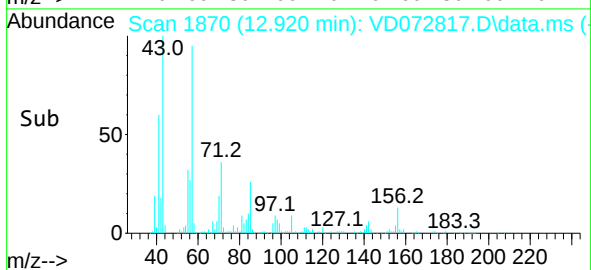
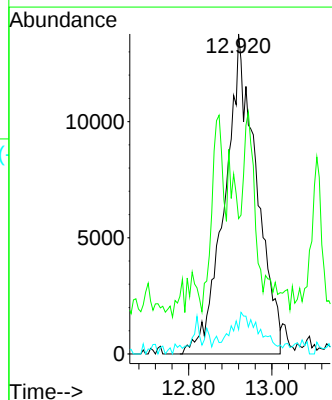
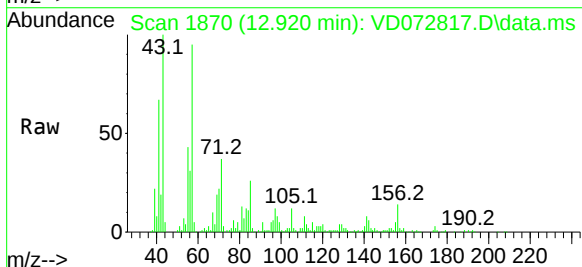
Instrument :
MSVOA_D
ClientSampleId :
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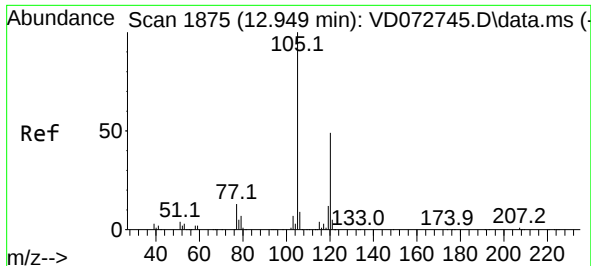
Tgt Ion: 75 Resp: 217989
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#77
Bromobenzene
Concen: 11.371 ug/l
RT: 12.920 min Scan# 1870
Delta R.T. 0.171 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion:156 Resp: 72838
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 8.9 48.7 146.1#

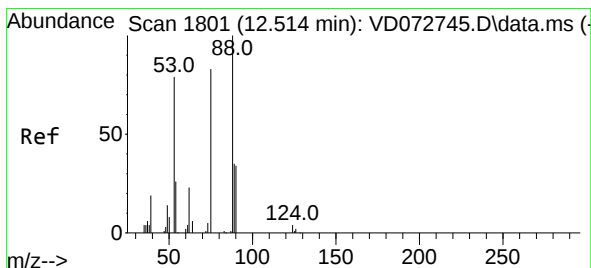
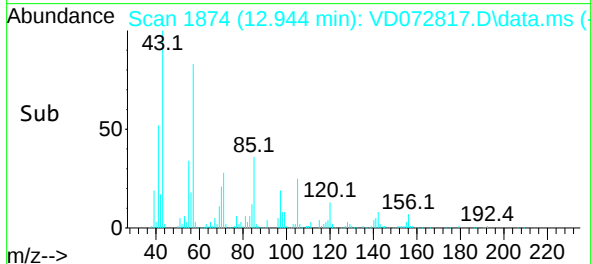
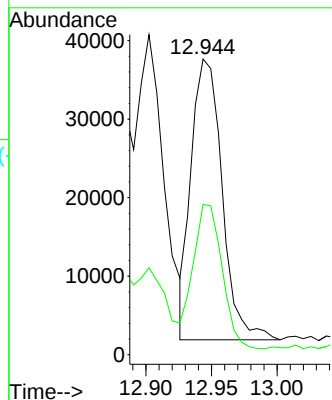
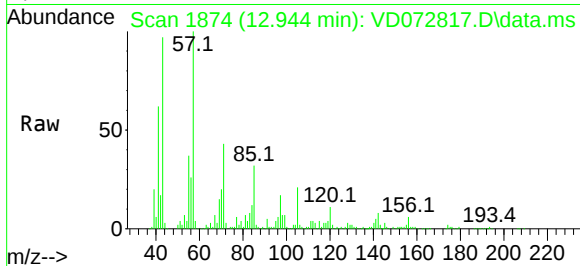




#80
 1,3,5-Trimethylbenzene
 Concen: 2.561 ug/l
 RT: 12.944 min Scan# 1875
 Delta R.T. -0.005 min
 Lab File: VD072817.D
 Acq: 05 May 2022 18:37

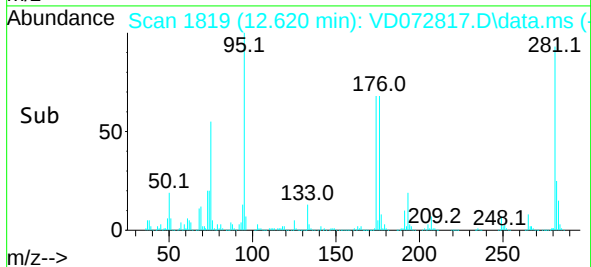
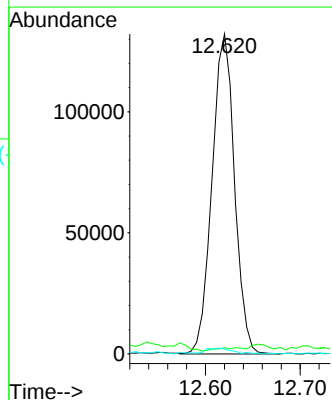
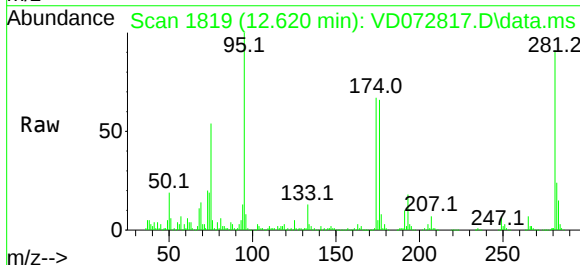
Instrument :
 MSVOA_D
 ClientSampleId :
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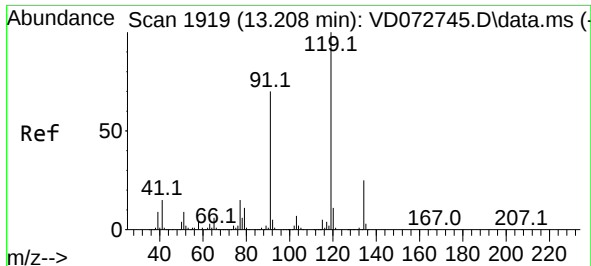
Tgt Ion:105 Resp: 58585
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 129.662 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD072817.D
 Acq: 05 May 2022 18:37

Tgt Ion: 75 Resp: 217989
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 1.8 33.9 50.9#

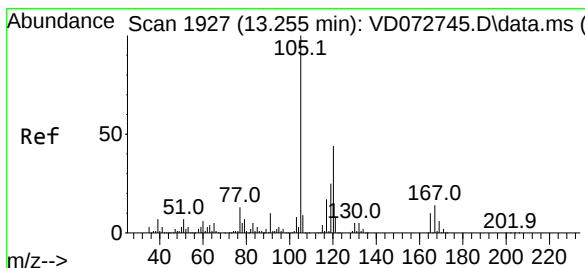
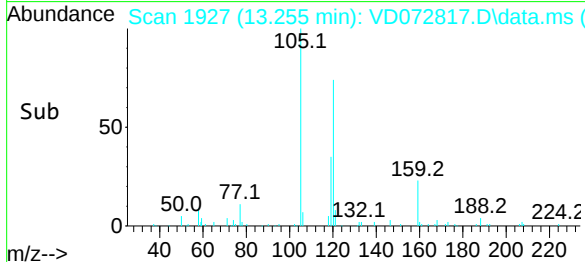
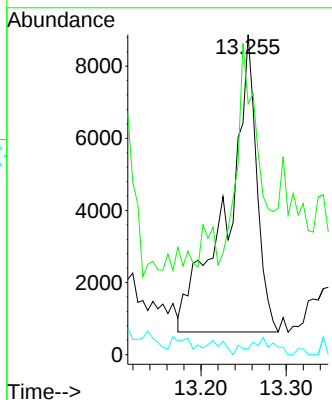
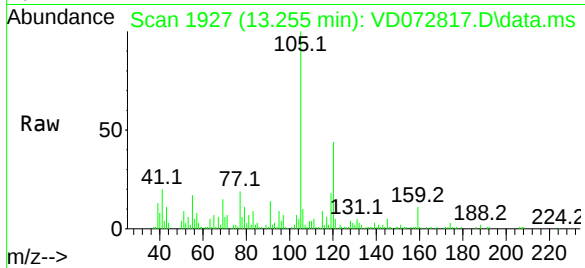




#83
tert-Butylbenzene
Concen: 1.022 ug/l
RT: 13.255 min Scan# 1919
Delta R.T. 0.047 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

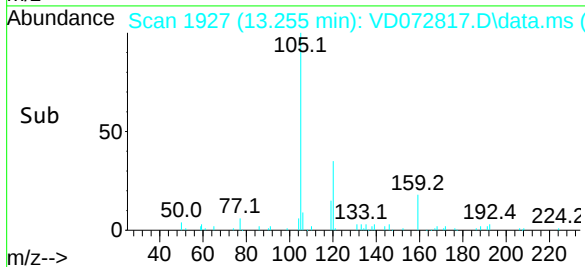
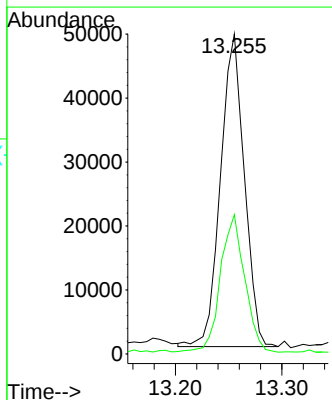
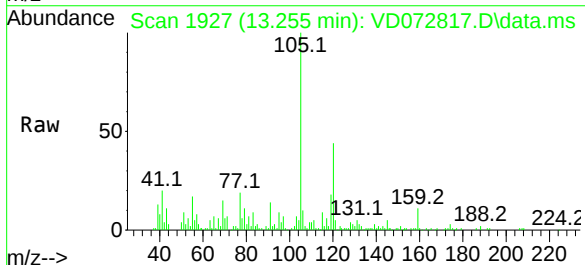
Instrument :
MSVOA_D
ClientSampleId :
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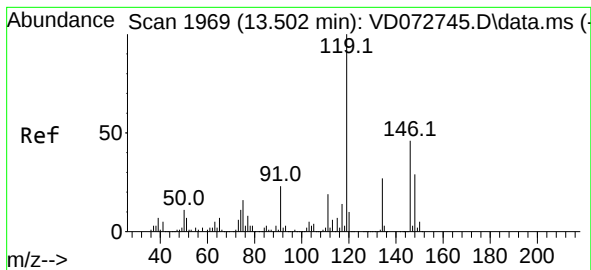
Tgt Ion:119 Resp: 19876
Ion Ratio Lower Upper
119 100
91 52.1 34.8 104.5
134 0.0 13.3 39.9#



#84
1,2,4-Trimethylbenzene
Concen: 3.315 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072817.D
Acq: 05 May 2022 18:37

Tgt Ion:105 Resp: 75789
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.8





#86

p-Isopropyltoluene

Concen: 1.116 ug/l

RT: 13.449 min Scan# 19

Delta R.T. -0.053 min

Lab File: VD072817.D

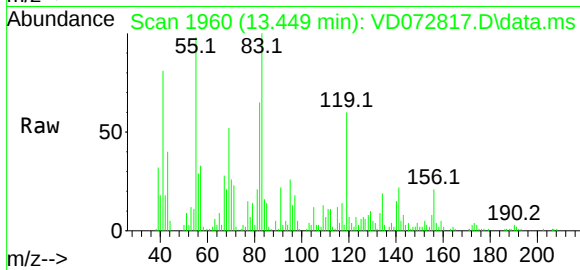
Acq: 05 May 2022 18:37

Instrument :

MSVOA_D

ClientSampleId :

10



Tgt Ion:119 Resp: 26834

Ion Ratio Lower Upper

119 100

134 32.9 12.9 38.6

91 25.3 12.1 36.3

