

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030734.D
 Acq On : 23 Aug 2022 16:05
 Operator : JC/MD
 Sample : N4245-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D1-20220816

Quant Time: Sep 06 02:54:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 24 16:33:27 2022
 Response via : Initial Calibration

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

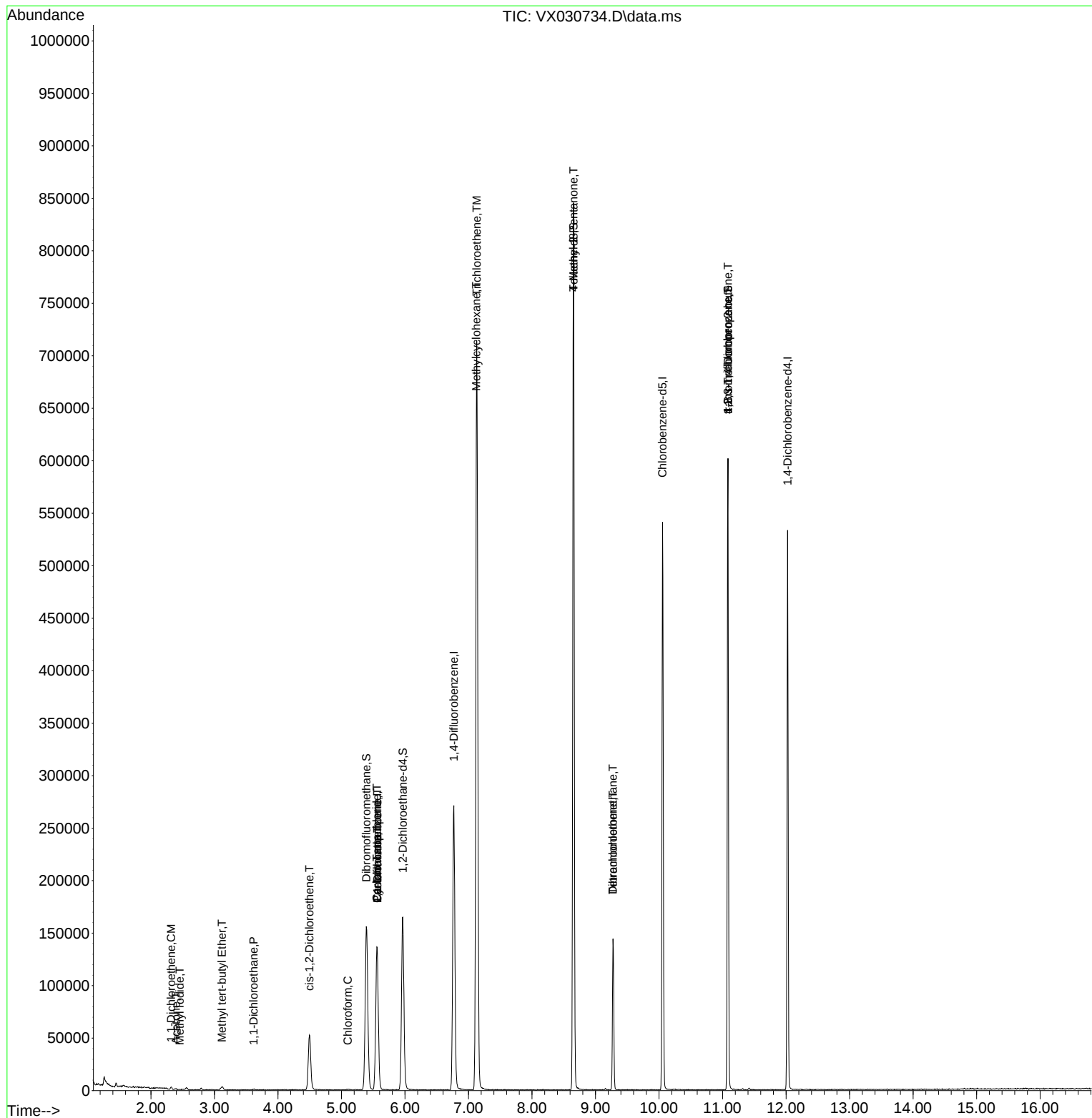
Internal Standards						
1) Pentafluorobenzene	5.562	168	128471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	290139	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	261124	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	107765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152767	59.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.320%			
35) Dibromofluoromethane	5.391	113	143169	51.619	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	8.653	98	514457	47.896	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.800%			
62) 4-Bromofluorobenzene	11.085	95	173844	43.610	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 87.220%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	348	Below Cal		96
10) Methyl Iodide	2.453	142	81	1.564 ug/l #		45
12) 1,1-Dichloroethene	2.319	96	875	0.436 ug/l #		71
16) Acetone	2.392	43	1357	1.026 ug/l #		88
19) Methyl tert-butyl Ether	3.117	73	3115	0.453 ug/l		94
20) Methylene Chloride	2.788	84	630	Below Cal #		72
24) 1,1-Dichloroethane	3.617	63	870	0.209 ug/l #		82
27) cis-1,2-Dichloroethene	4.495	96	35155	13.496 ug/l		90
30) Chloroform	5.099	83	891	0.216 ug/l #		70
31) Cyclohexane	5.562	56	2279	0.608 ug/l #		1
36) 1,1-Dichloropropene	5.562	75	10783	2.701 ug/l #		44
38) Carbon Tetrachloride	5.556	117	13347	3.582 ug/l #		17
39) Methylcyclohexane	7.123	83	3593	0.697 ug/l #		1
44) Trichloroethene	7.129	130	281082	81.912 ug/l		97
51) 4-Methyl-2-Pentanone	8.653	43	1844	0.328 ug/l #		1
60) Dibromochloromethane	9.275	129	27766	9.194 ug/l #		11
64) Tetrachloroethene	9.275	164	26425	9.400 ug/l		94
67) Ethyl Benzene	10.189	91	141	Below Cal #		43
76) 1,2,3-Trichloropropane	11.085	75	81946	28.848 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.085	75	81946	86.541 ug/l #		13

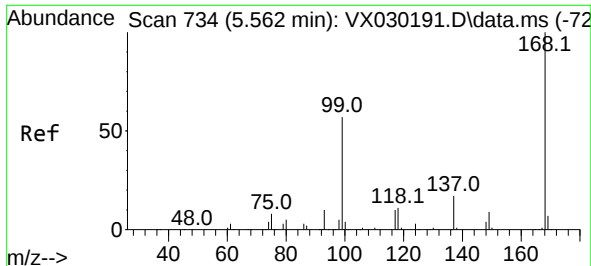
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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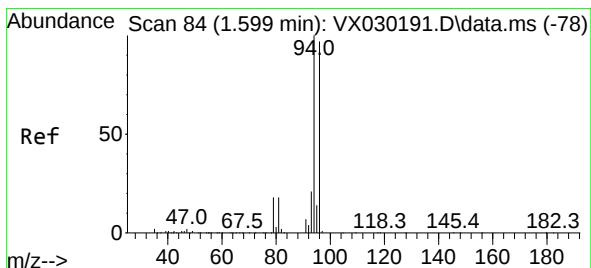
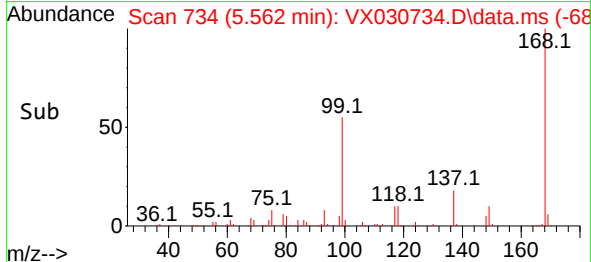
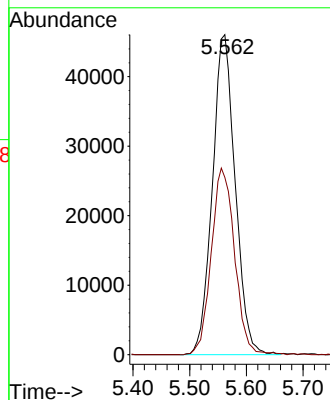
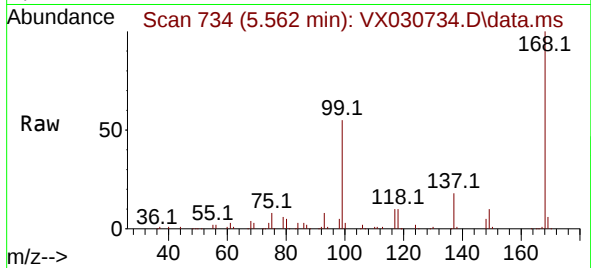




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

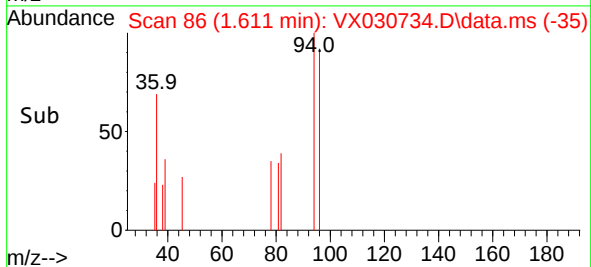
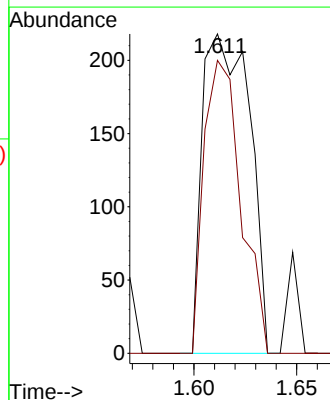
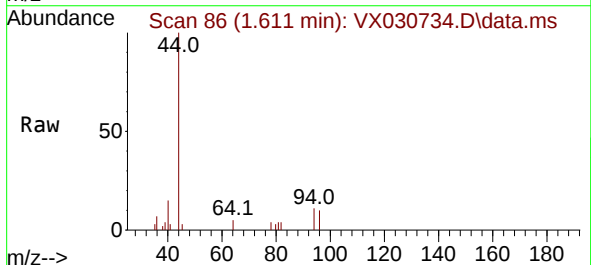
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

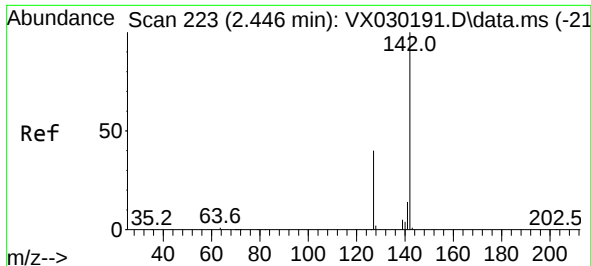
Tgt Ion:168 Resp: 128471
Ion Ratio Lower Upper
168 100
99 55.4 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion: 94 Resp: 348
Ion Ratio Lower Upper
94 100
96 91.7 76.9 115.3

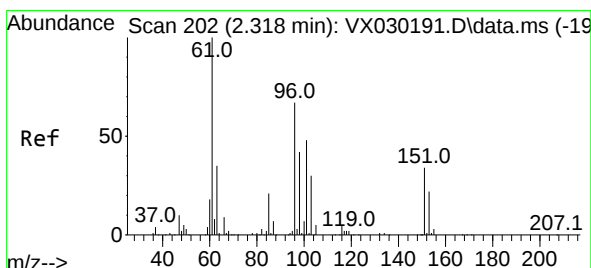
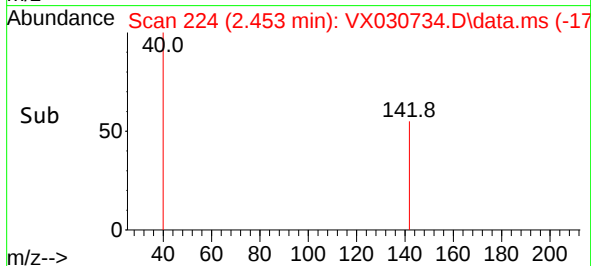
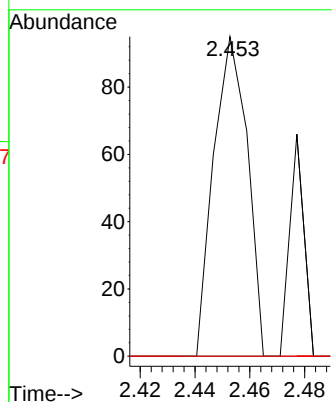
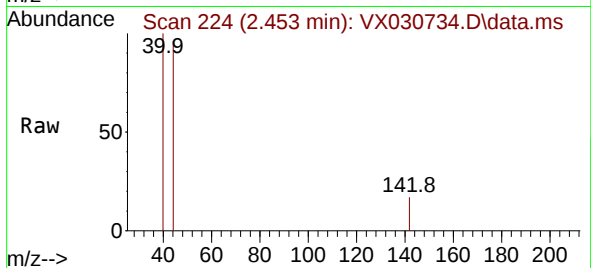




#10
Methyl Iodide
Concen: 1.564 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

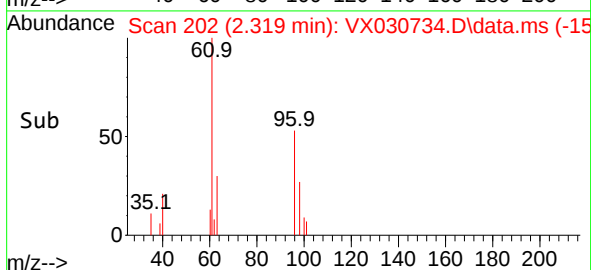
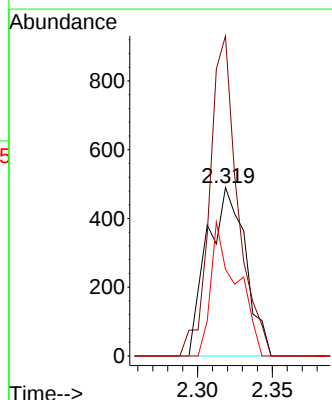
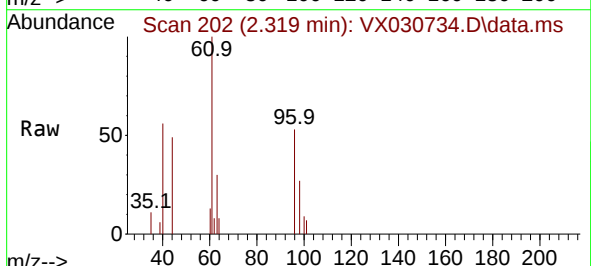
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

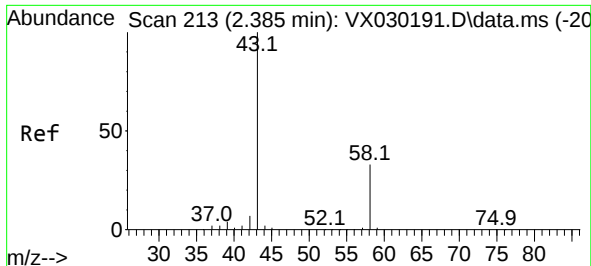
Tgt Ion:142 Resp: 81
Ion Ratio Lower Upper
142 100
127 0.0 30.2 45.2#
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 0.436 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion: 96 Resp: 875
Ion Ratio Lower Upper
96 100
61 190.0 117.4 176.0#
98 51.4 52.2 78.4#

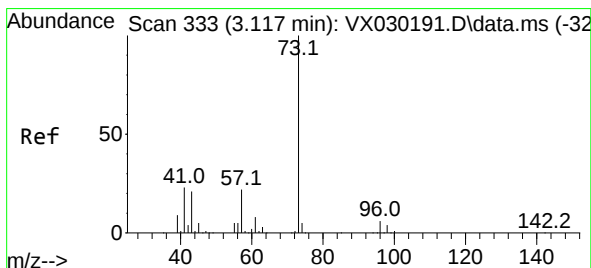
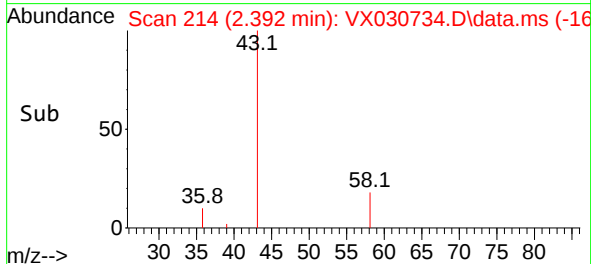
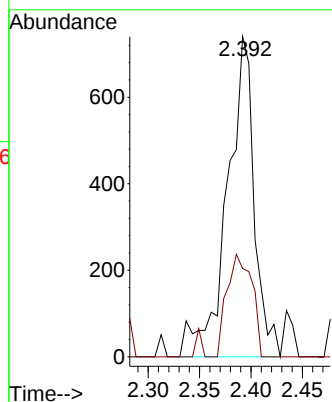
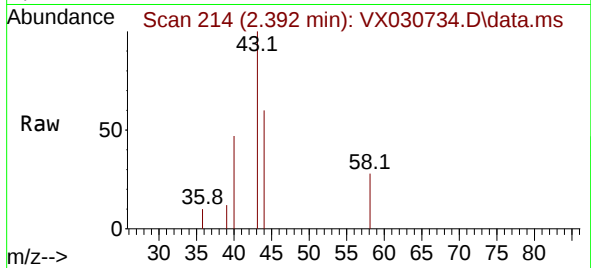




#16
Acetone
Concen: 1.026 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

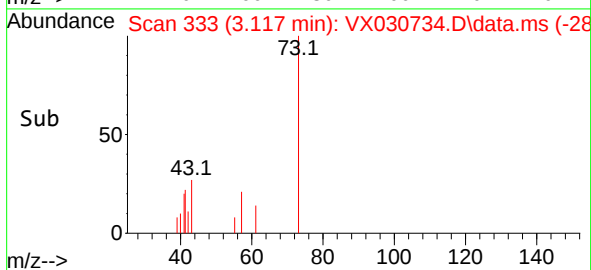
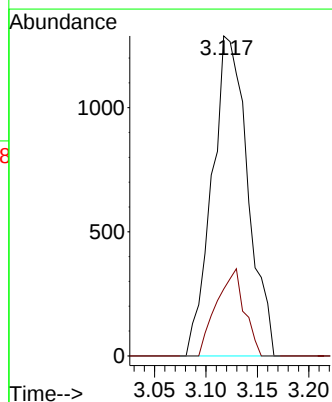
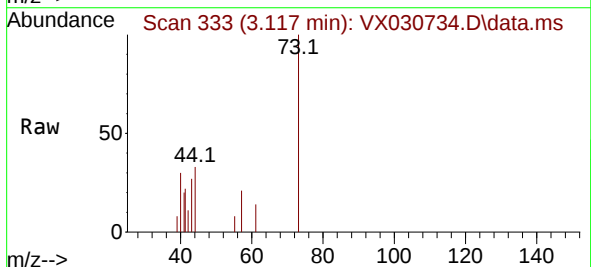
Instrument :
MSVOA_X
ClientSampleId :
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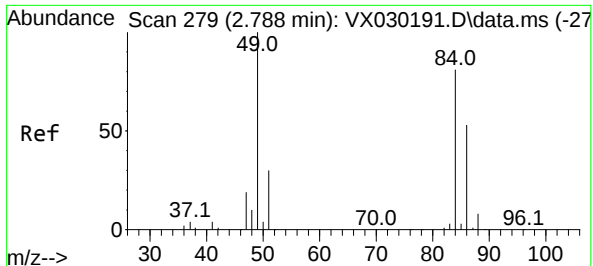
Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
58 27.6 27.7 41.5#



#19
Methyl tert-butyl Ether
Concen: 0.453 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion: 73 Resp: 3115
Ion Ratio Lower Upper
73 100
57 20.9 19.0 28.6





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX030734.D

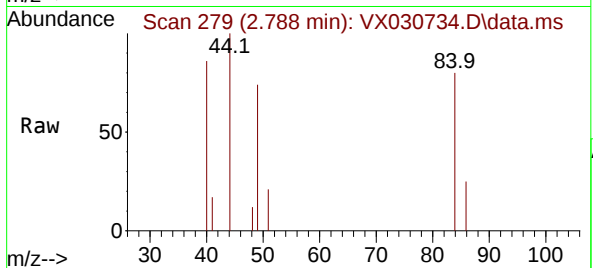
Acq: 23 Aug 2022 16:05

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20220816



Tgt Ion: 84 Resp: 630

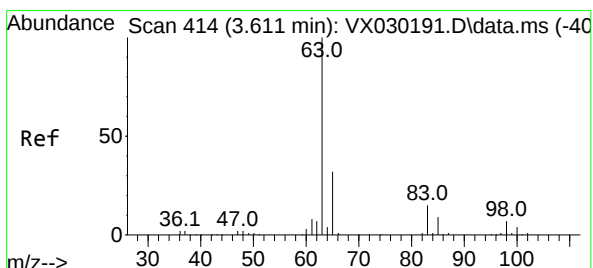
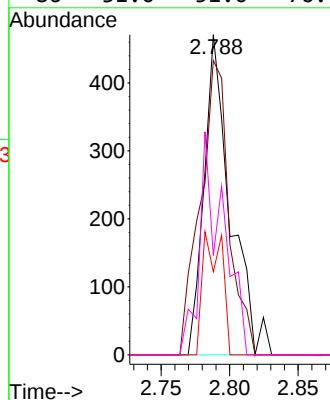
Ion Ratio Lower Upper

84 100

49 91.9 93.8 140.6#

51 25.9 29.4 44.0#

86 31.0 51.0 76.4#



#24

1,1-Dichloroethane

Concen: 0.209 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX030734.D

Acq: 23 Aug 2022 16:05

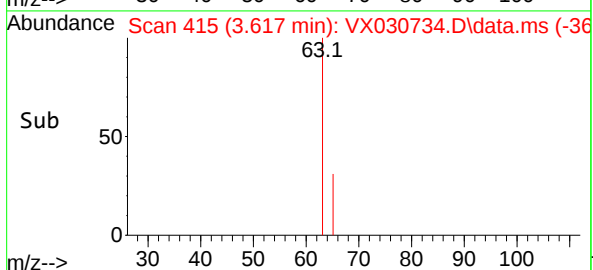
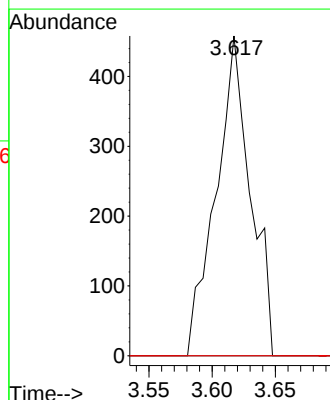
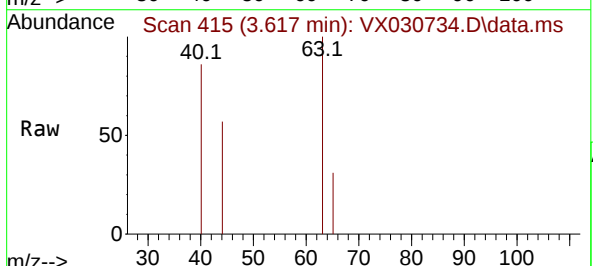
Tgt Ion: 63 Resp: 870

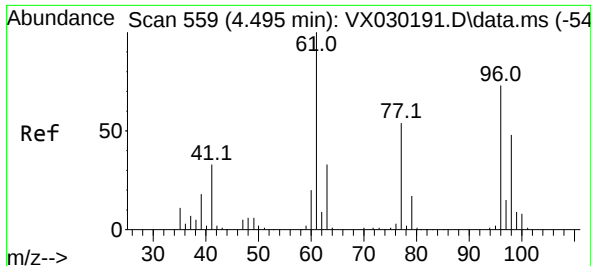
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.3 6.9#

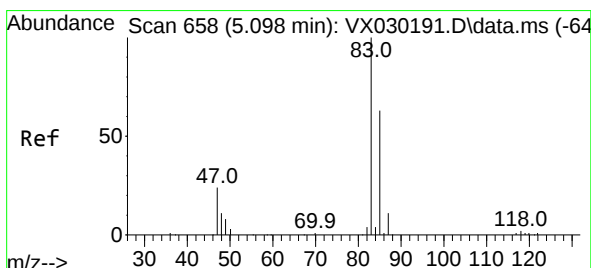
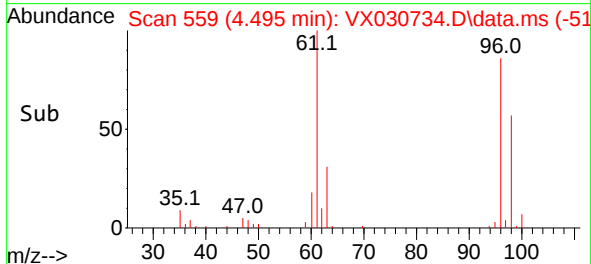
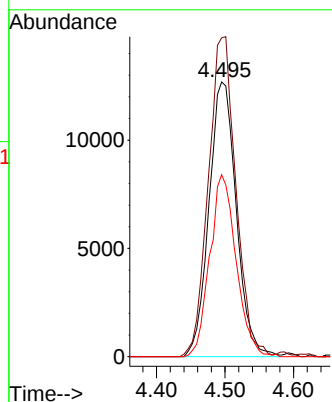
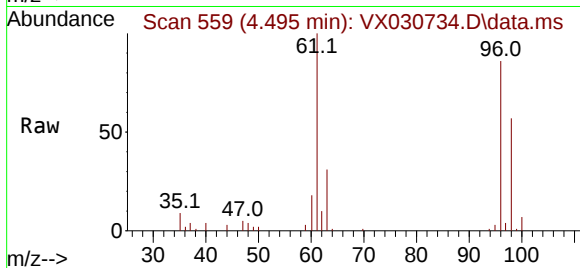




#27
 cis-1,2-Dichloroethene
 Concen: 13.496 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VX030734.D
 Acq: 23 Aug 2022 16:05

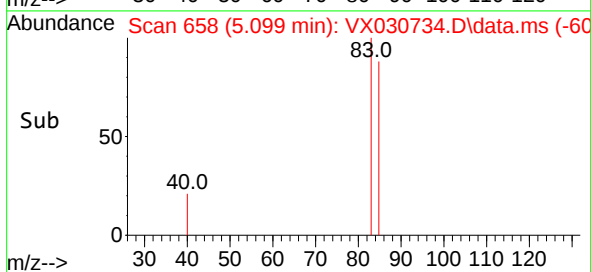
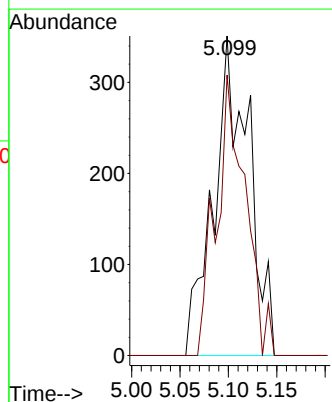
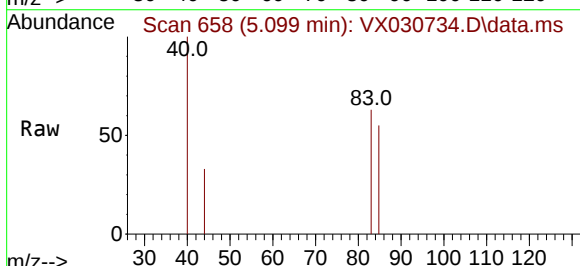
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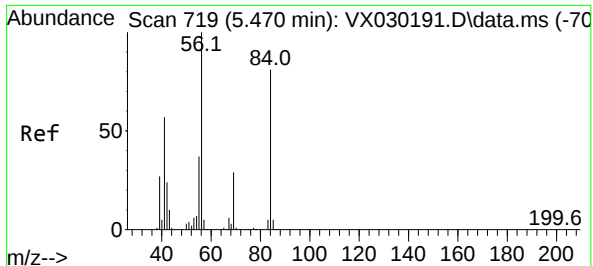
Tgt Ion: 96	Resp:	35155
Ion	Ratio	Lower Upper
96	100	
61	117.1	0.0 270.0
98	63.8	0.0 127.8



#30
 Chloroform
 Concen: 0.216 ug/l
 RT: 5.099 min Scan# 658
 Delta R.T. 0.001 min
 Lab File: VX030734.D
 Acq: 23 Aug 2022 16:05

Tgt Ion: 83	Resp:	891
Ion	Ratio	Lower Upper
83	100	
85	87.7	51.5 77.3#

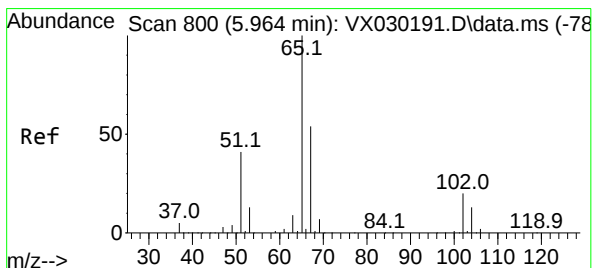
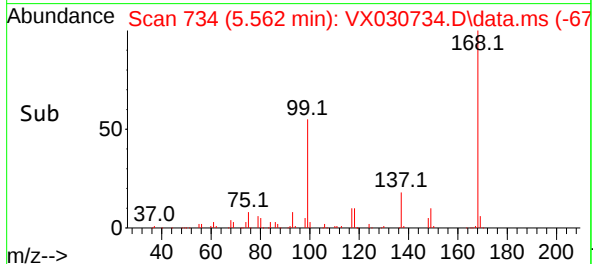
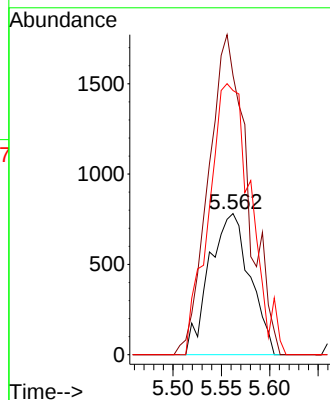
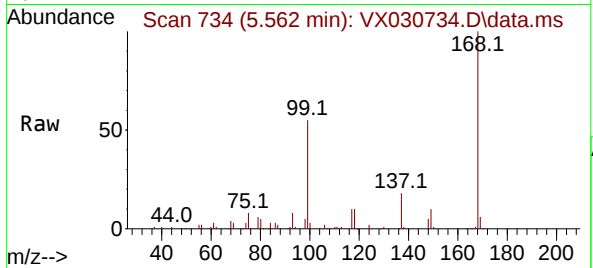




#31
Cyclohexane
Concen: 0.608 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

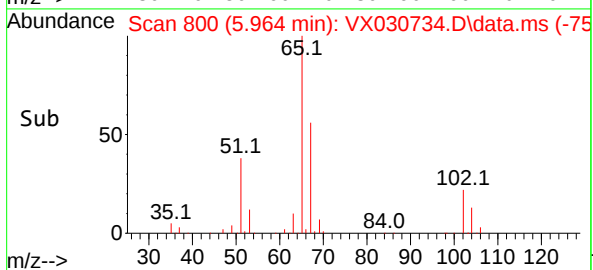
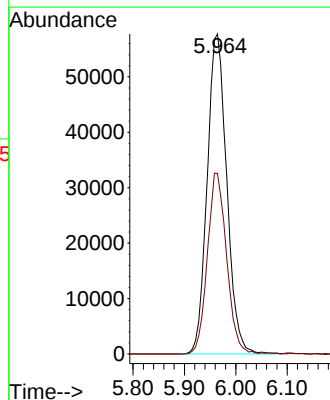
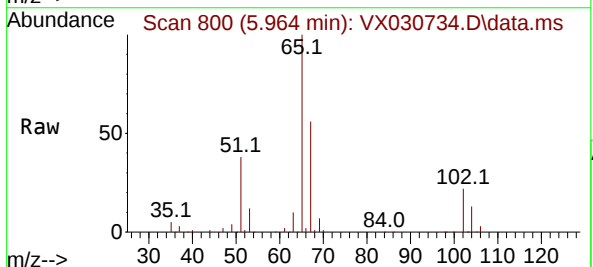
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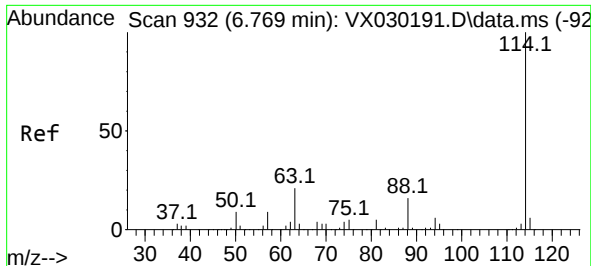
Tgt Ion: 56 Resp: 2279
Ion Ratio Lower Upper
56 100
69 197.8 25.4 38.0#
84 187.1 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 59.162 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion: 65 Resp: 152767
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.6

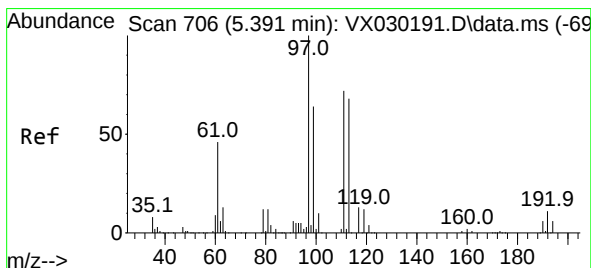
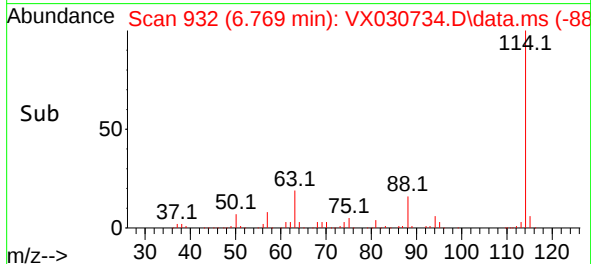
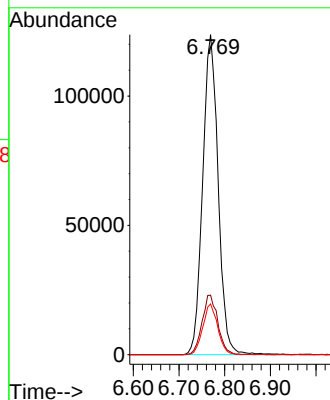
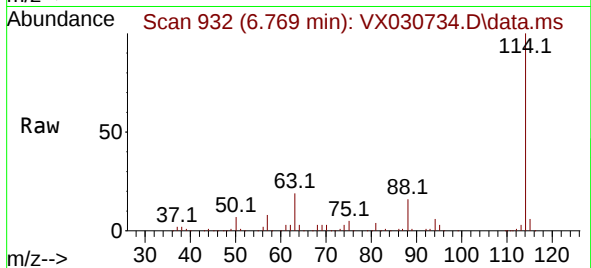




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

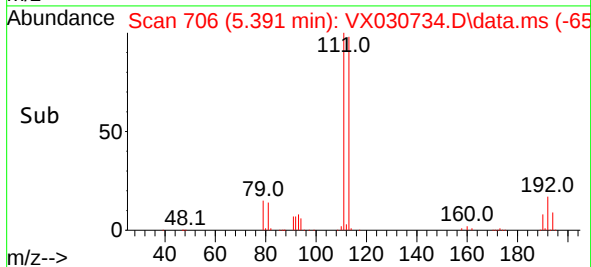
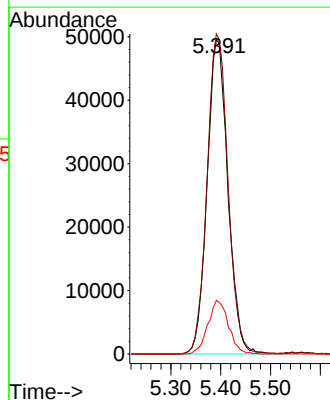
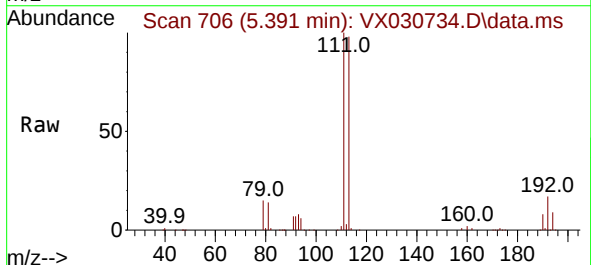
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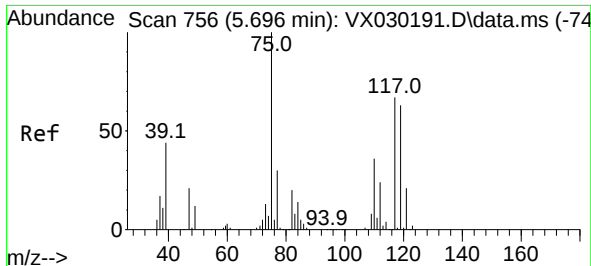
Tgt Ion:114 Resp: 290139
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 51.619 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion:113 Resp: 143169
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 16.9 14.8 22.2

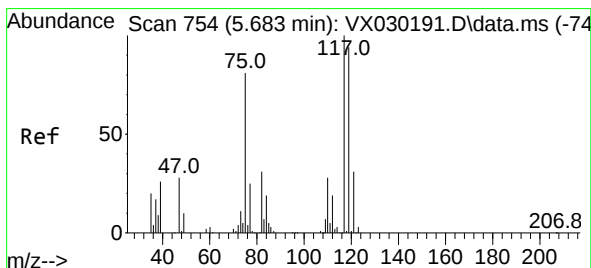
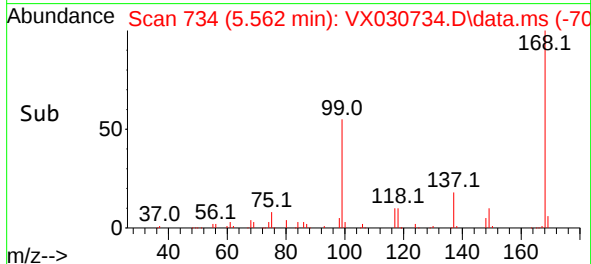
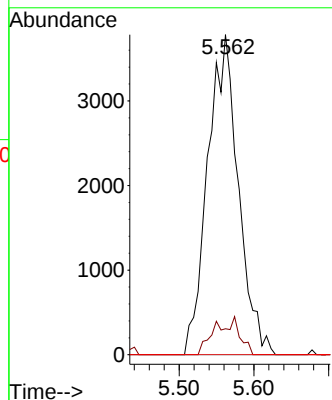
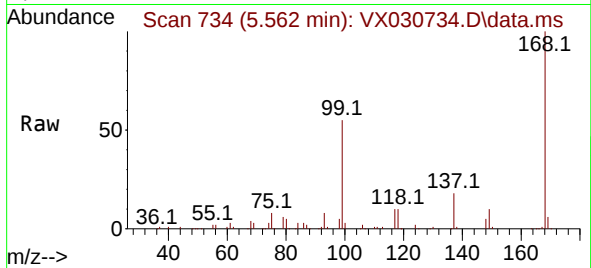




#36
1,1-Dichloropropene
Concen: 2.701 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

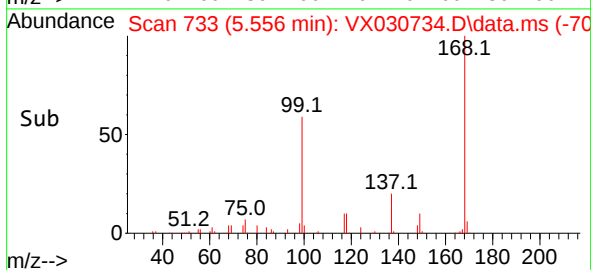
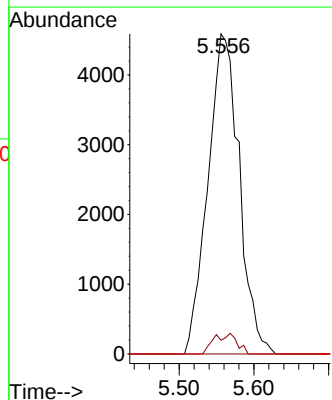
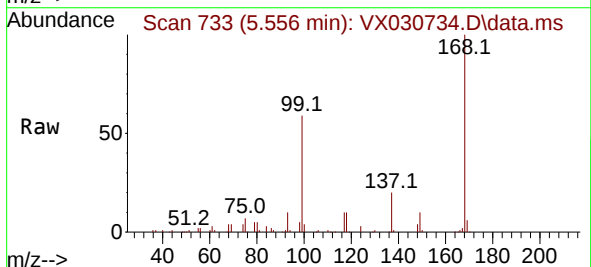
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

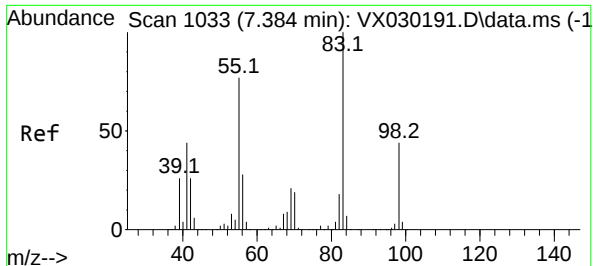
Tgt Ion: 75 Resp: 10783
Ion Ratio Lower Upper
75 100
110 4.2 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 3.582 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion: 117 Resp: 13347
Ion Ratio Lower Upper
117 100
119 4.3 74.1 111.1#
121 0.0 25.8 38.8#





#39

Methylcyclohexane

Concen: 0.697 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.261 min

Lab File: VX030734.D

Acq: 23 Aug 2022 16:05

Instrument :

MSVOA_X

ClientSampleId :

MW179D1-20220816

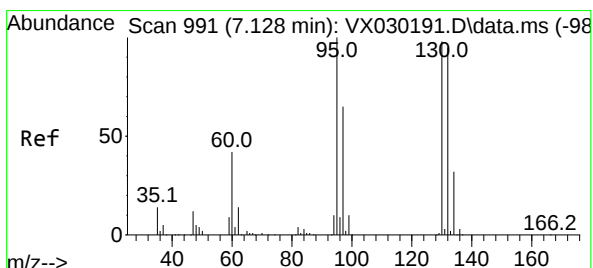
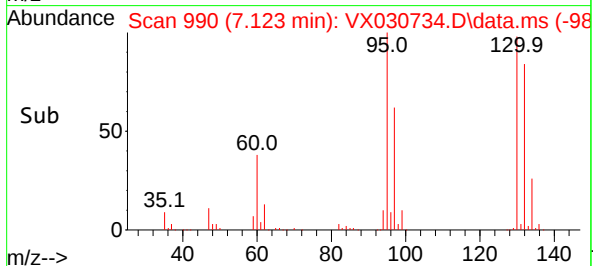
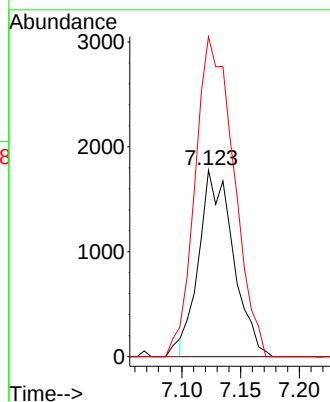
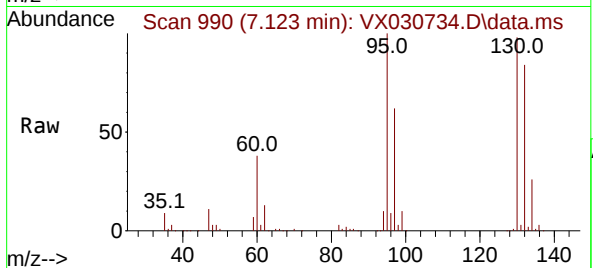
Tgt Ion: 83 Resp: 3593

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 171.5 36.5 54.7#



#44

Trichloroethene

Concen: 81.912 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.001 min

Lab File: VX030734.D

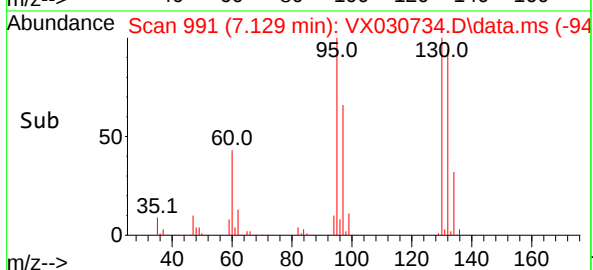
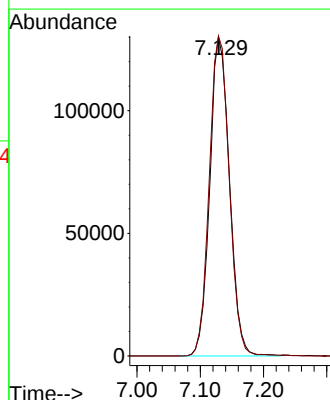
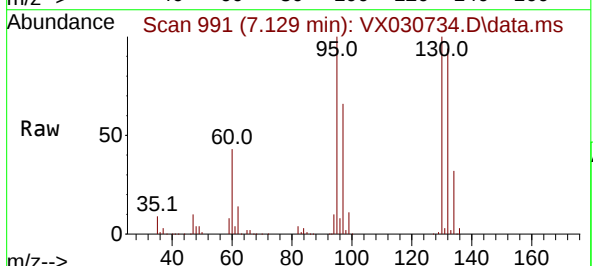
Acq: 23 Aug 2022 16:05

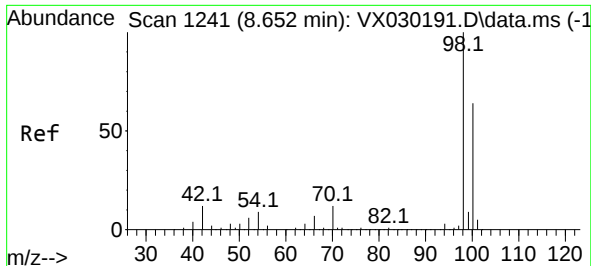
Tgt Ion:130 Resp: 281082

Ion Ratio Lower Upper

130 100

95 100.3 0.0 194.8





#50

Toluene-d8

Concen: 47.896 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030734.D

Acq: 23 Aug 2022 16:05

Instrument :

MSVOA_X

ClientSampleId :

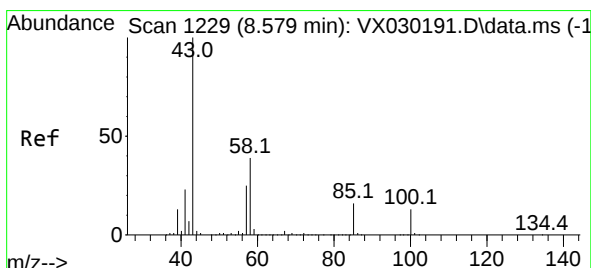
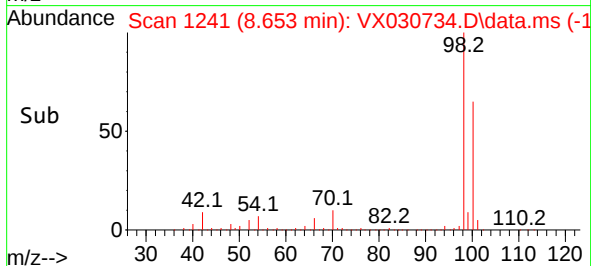
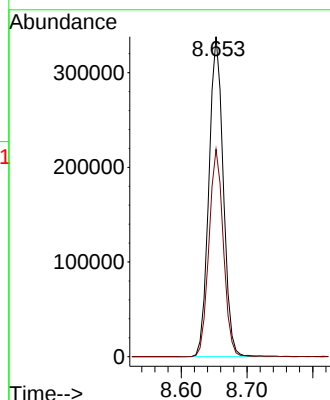
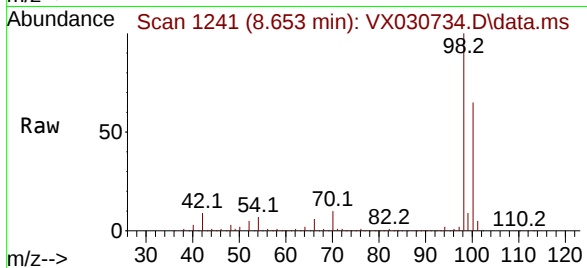
MW179D1-20220816

Tgt Ion: 98 Resp: 514457

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 0.328 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.074 min

Lab File: VX030734.D

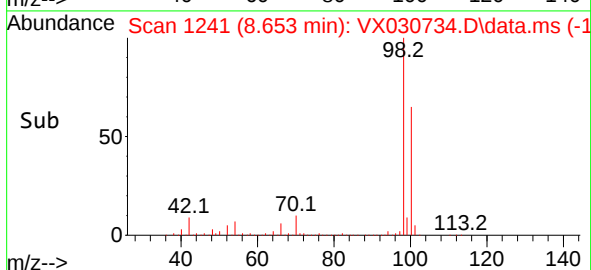
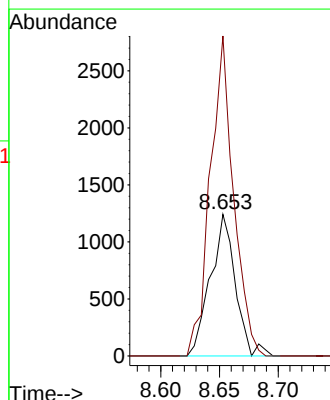
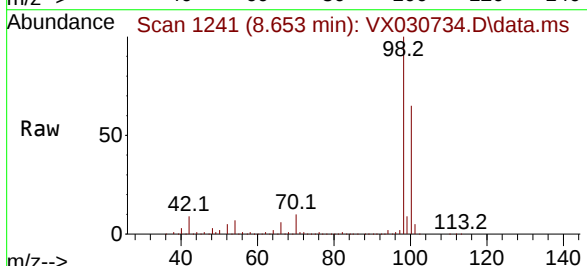
Acq: 23 Aug 2022 16:05

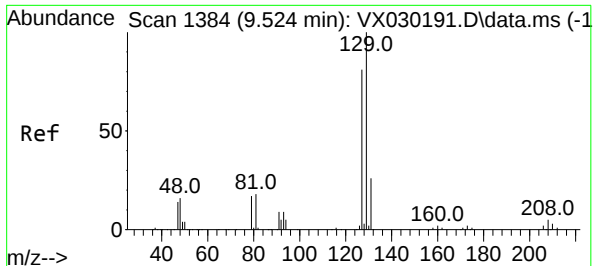
Tgt Ion: 43 Resp: 1844

Ion Ratio Lower Upper

43 100

58 210.5 31.4 47.2#





#60

Dibromochloromethane

Concen: 9.194 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.249 min

Lab File: VX030734.D

Acq: 23 Aug 2022 16:05

Instrument :

MSVOA_X

ClientSampleId :

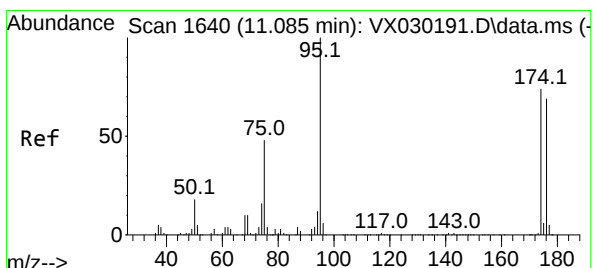
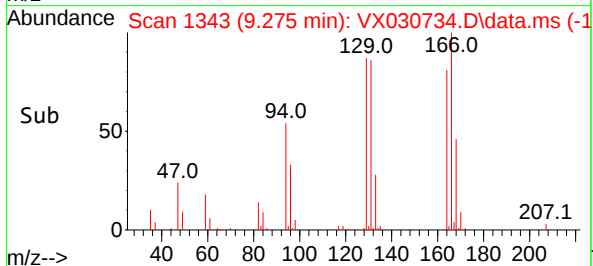
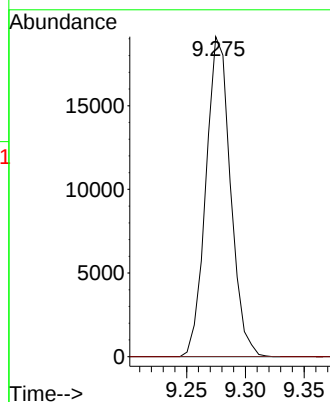
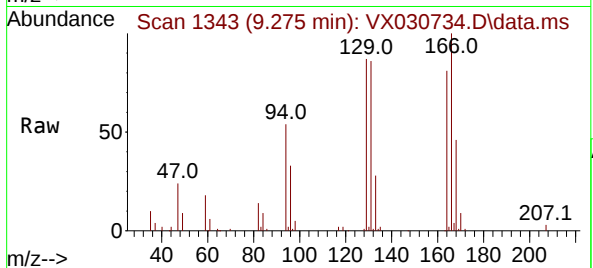
MW179D1-20220816

Tgt Ion:129 Resp: 27766

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.5#



#62

4-Bromofluorobenzene

Concen: 43.610 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX030734.D

Acq: 23 Aug 2022 16:05

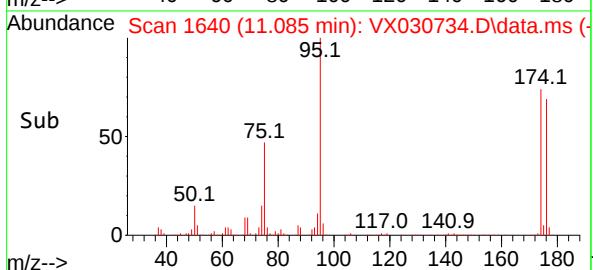
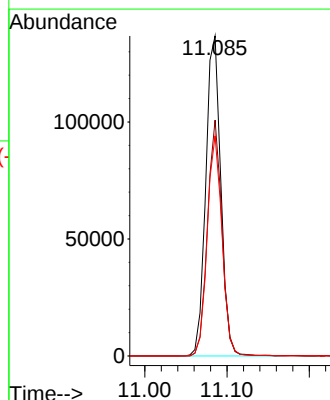
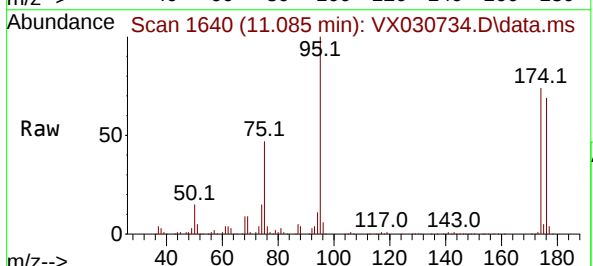
Tgt Ion: 95 Resp: 173844

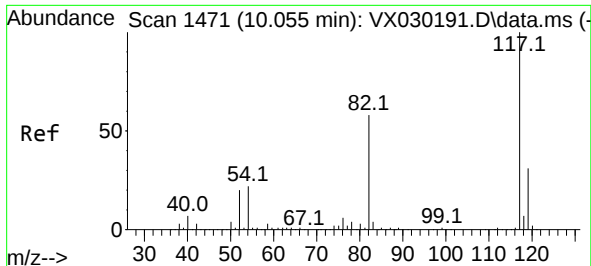
Ion Ratio Lower Upper

95 100

174 70.8 0.0 149.0

176 67.6 0.0 146.0

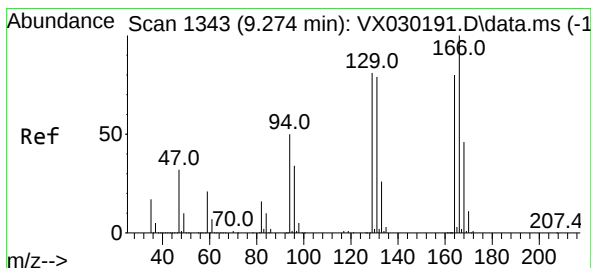
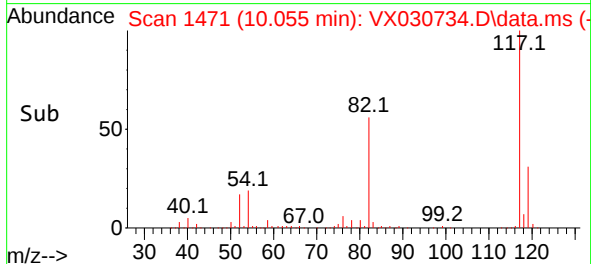
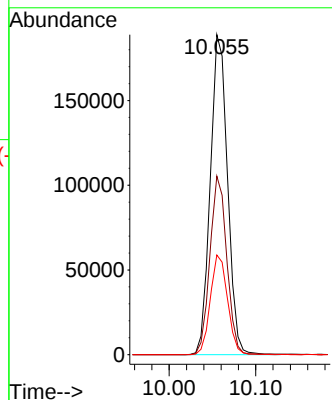
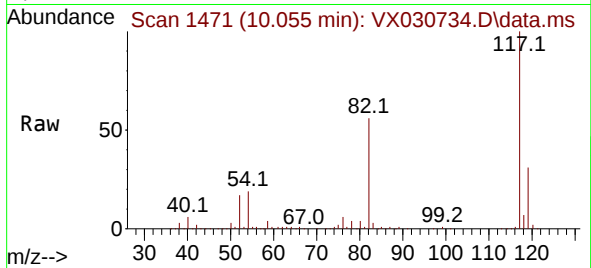




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

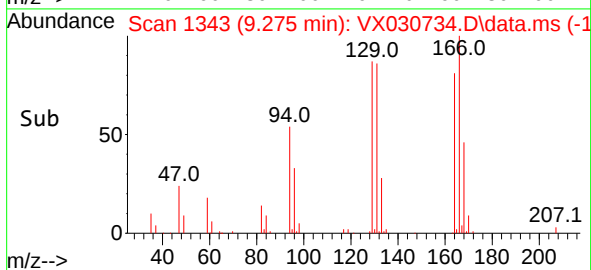
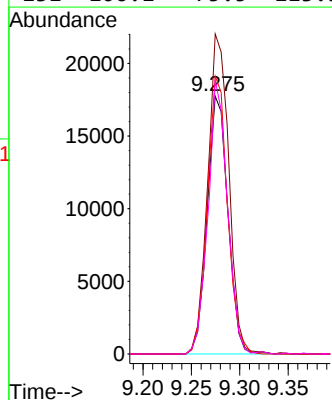
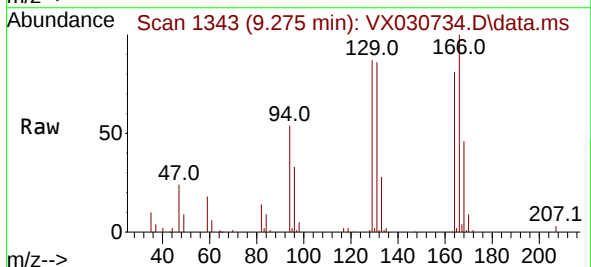
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

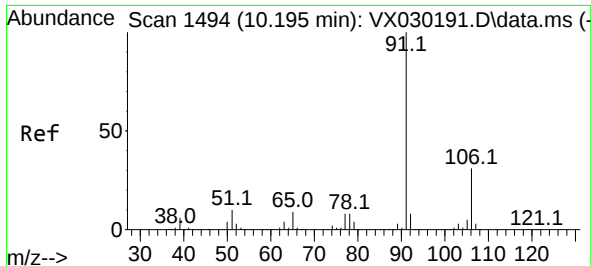
Tgt Ion:117 Resp: 261124
Ion Ratio Lower Upper
117 100
82 55.8 42.7 64.1
119 31.2 25.4 38.2



#64
Tetrachloroethene
Concen: 9.400 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion:164 Resp: 26425
Ion Ratio Lower Upper
164 100
166 124.1 98.2 147.4
129 107.8 80.8 121.2
131 106.1 75.5 113.3

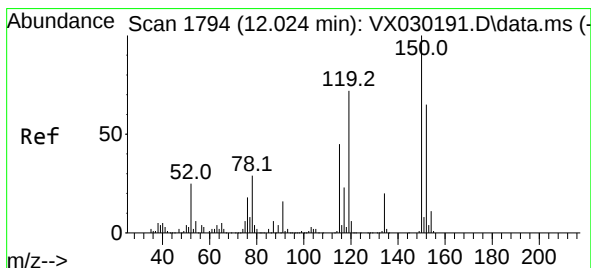
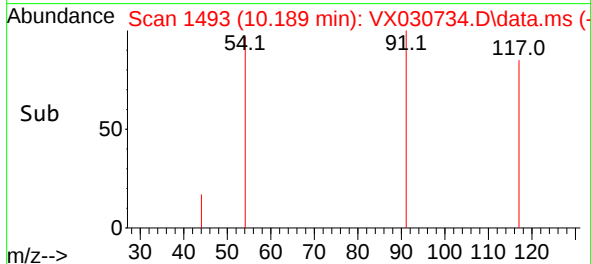
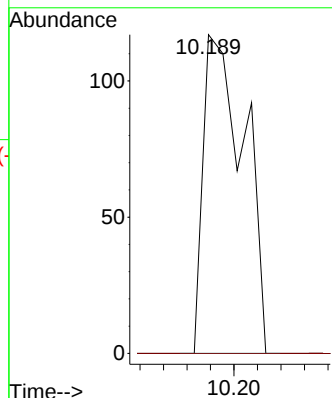
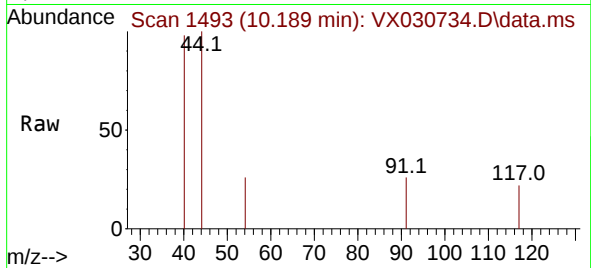




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.189 min Scan# 1493
Delta R.T. -0.006 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

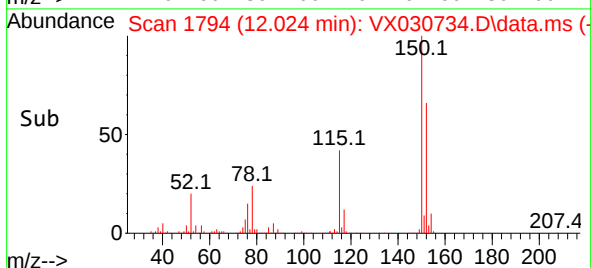
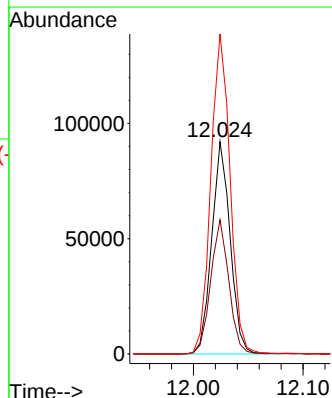
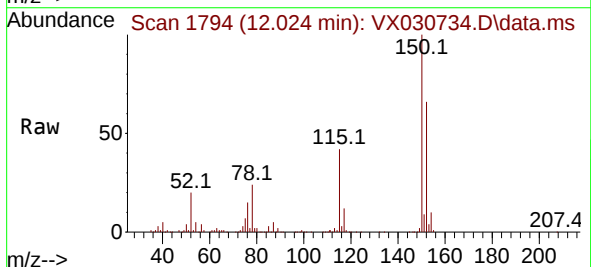
Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

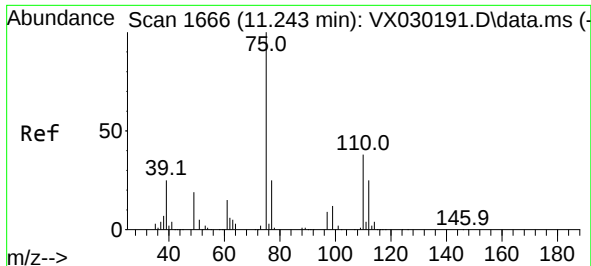
Tgt Ion: 91 Resp: 141
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion:152 Resp: 107765
Ion Ratio Lower Upper
152 100
115 62.1 40.5 121.5
150 157.2 0.0 347.0

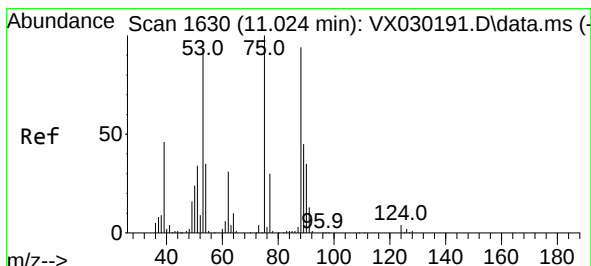
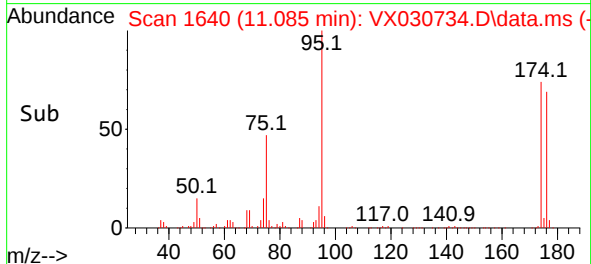
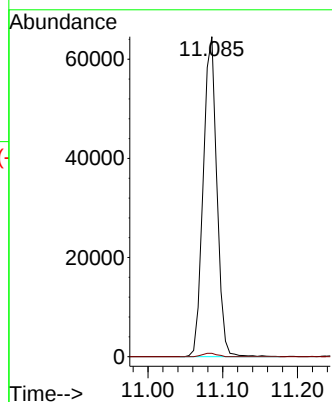
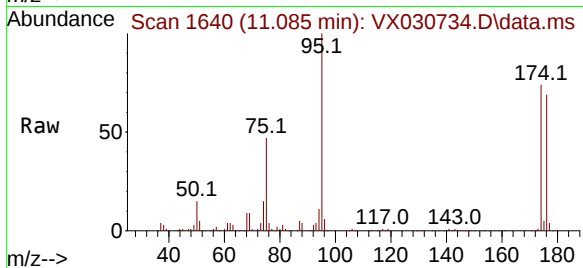




#76
1,2,3-Trichloropropane
Concen: 28.848 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Instrument :
MSVOA_X
ClientSampleId :
MW179D1-20220816

Tgt Ion: 75 Resp: 81946
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.541 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030734.D
Acq: 23 Aug 2022 16:05

Tgt Ion: 75 Resp: 81946
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

