

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030729.D
 Acq On : 23 Aug 2022 14:08
 Operator : JC/MD
 Sample : N4245-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D2-20220816

Quant Time: Sep 06 02:53:04 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

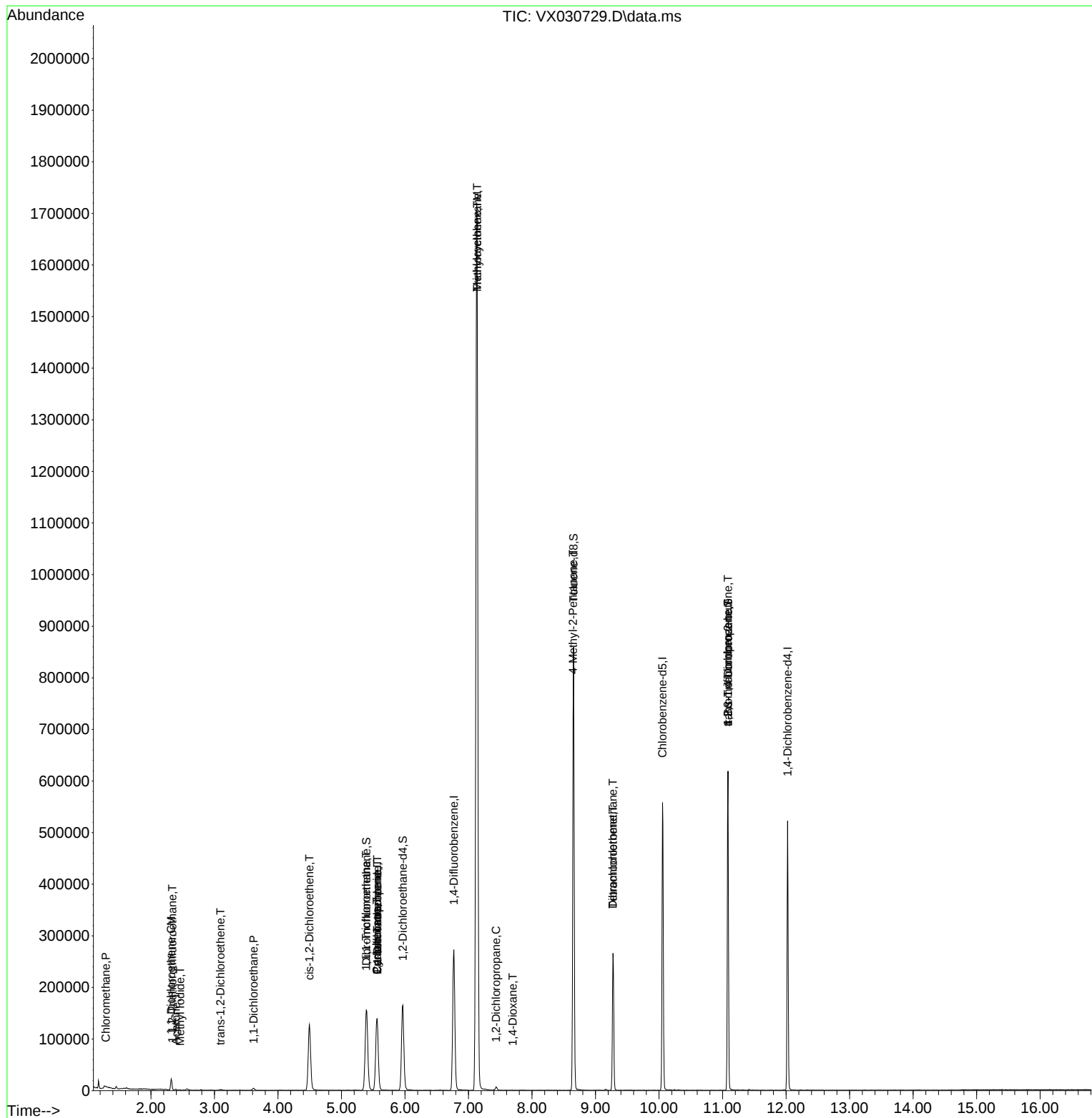
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	131736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289730	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	263156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152990	57.780	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 115.560%	
35) Dibromofluoromethane	5.391	113	139688	50.435	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.860%	
50) Toluene-d8	8.653	98	512388	47.771	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.540%	
62) 4-Bromofluorobenzene	11.085	95	174070	43.729	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 87.460%	
Target Compounds						Qvalue
3) Chloromethane	1.288	50	506	0.237	ug/l #	42
5) Bromomethane	1.605	94	351	Below Cal	#	22
9) 1,1,2-Trichlorotrifluo...	2.337	101	480	0.228	ug/l #	85
10) Methyl Iodide	2.459	142	308	1.670	ug/l #	89
12) 1,1-Dichloroethene	2.319	96	7080	3.440	ug/l #	89
16) Acetone	2.392	43	1784	1.316	ug/l #	81
20) Methylene Chloride	2.788	84	465	Below Cal	#	71
21) trans-1,2-Dichloroethene	3.093	96	733	0.323	ug/l #	77
24) 1,1-Dichloroethane	3.617	63	4358	1.021	ug/l #	89
27) cis-1,2-Dichloroethene	4.495	96	83243	31.164	ug/l	91
31) Cyclohexane	5.556	56	2811	0.731	ug/l #	1
32) 1,1,1-Trichloroethane	5.385	97	2677	0.779	ug/l #	51
36) 1,1-Dichloropropene	5.562	75	10437	2.619	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13995	3.761	ug/l #	20
39) Methylcyclohexane	7.135	83	7696	1.496	ug/l #	1
44) Trichloroethene	7.135	130	686047	200.207	ug/l	100
45) 1,2-Dichloropropane	7.433	63	2691	0.805	ug/l #	85
49) 1,4-Dioxane	7.696	88	267	2.838	ug/l #	38
51) 4-Methyl-2-Pentanone	8.647	43	1886	0.336	ug/l #	1
60) Dibromochloromethane	9.275	129	52114	17.281	ug/l #	11
64) Tetrachloroethene	9.275	164	50501	17.826	ug/l	96
67) Ethyl Benzene	10.195	91	225	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	80875	29.382	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	80875	88.145	ug/l #	13

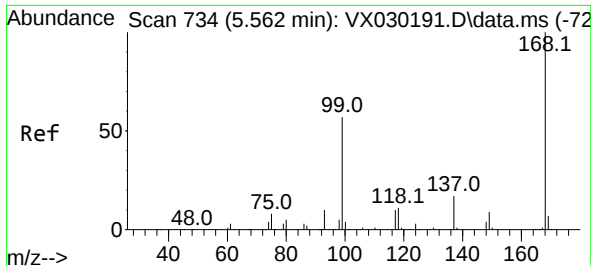
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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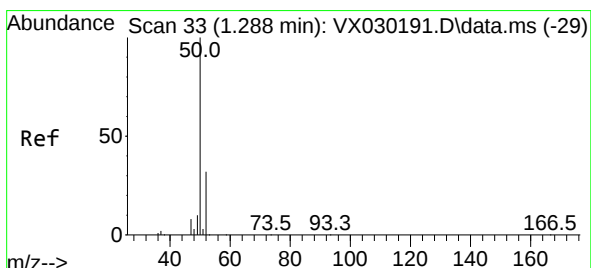
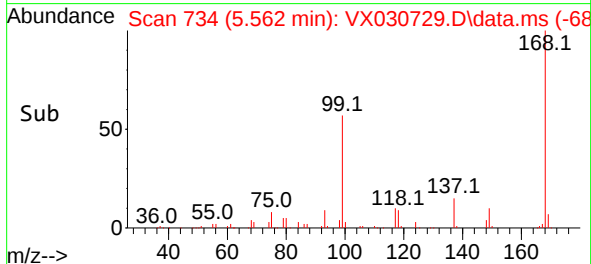
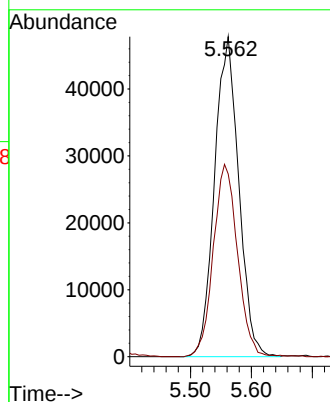
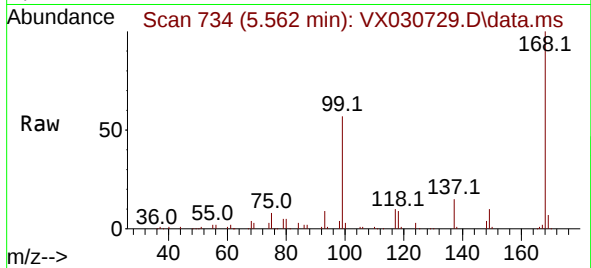




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

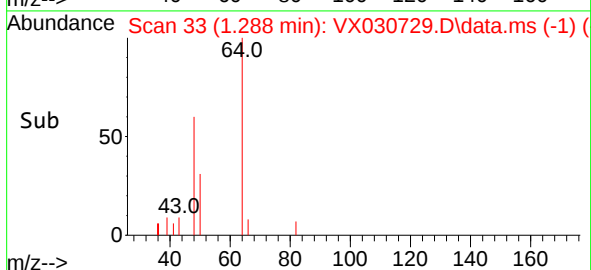
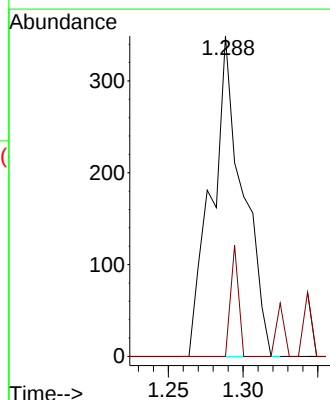
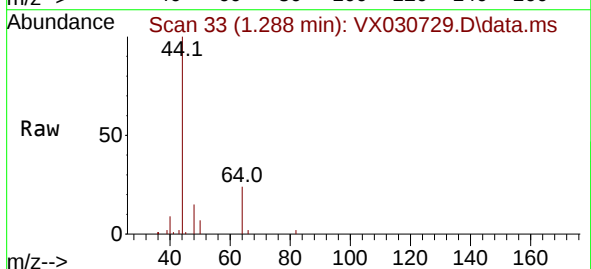
Instrument :
MSVOA_X
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MW179D2-20220816

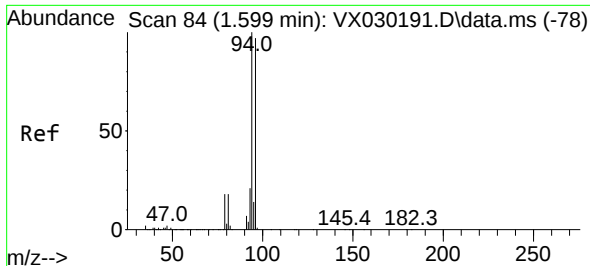
Tgt Ion:168 Resp: 131736
Ion Ratio Lower Upper
168 100
99 57.1 44.0 66.0



#3
Chloromethane
Concen: 0.237 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 50 Resp: 506
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5

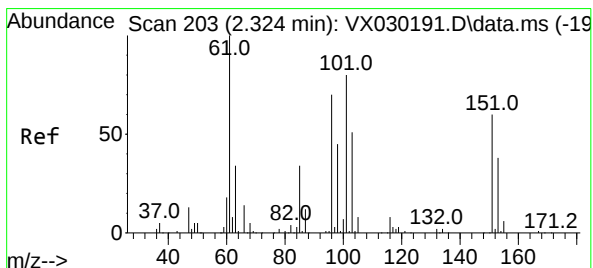
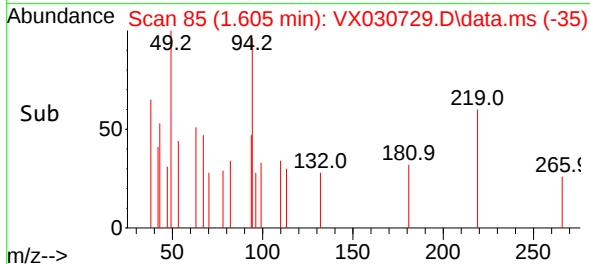
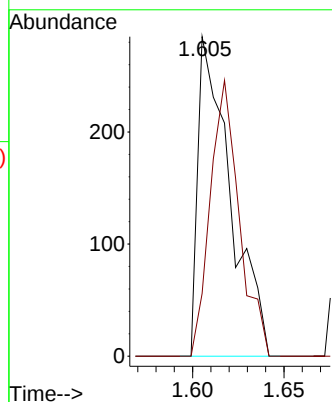
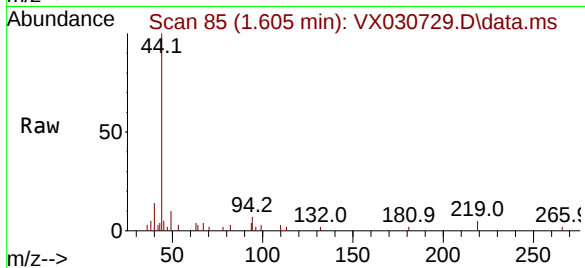




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

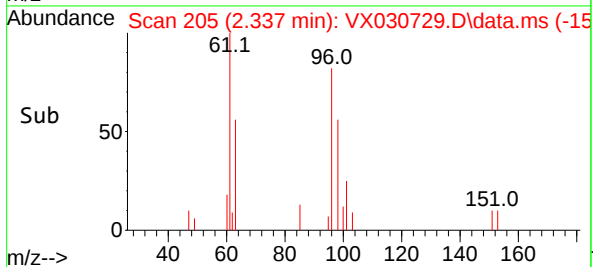
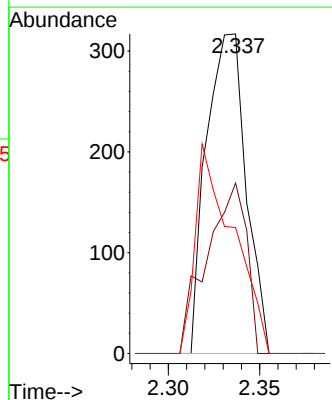
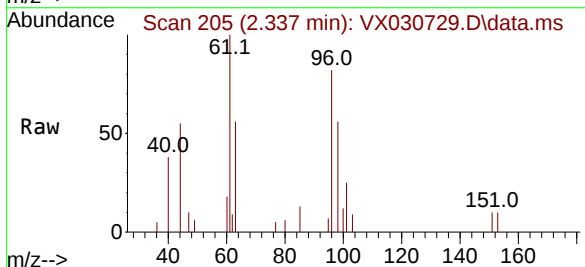
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

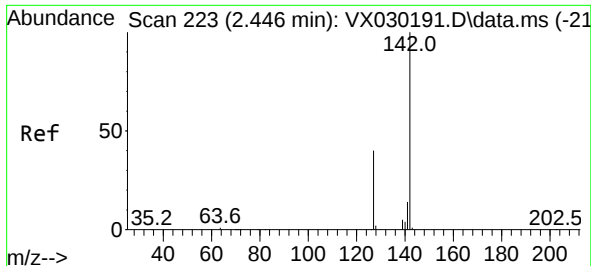
Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 19.6 76.9 115.3#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.228 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.013 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 101 Resp: 480
Ion Ratio Lower Upper
101 100
85 53.3 34.0 51.0#
151 62.5 59.4 89.0

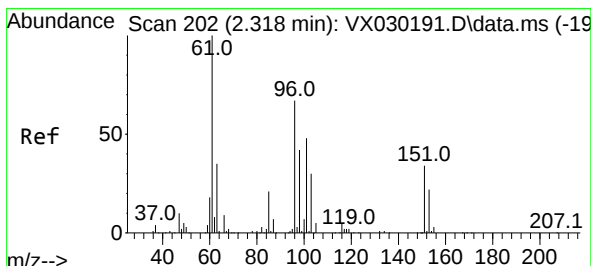
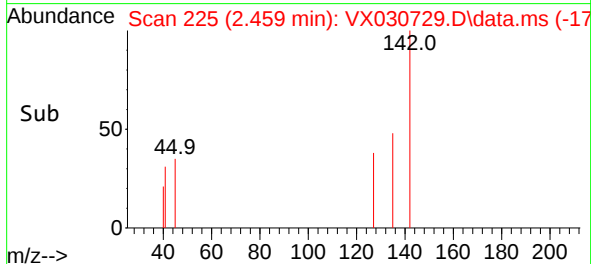
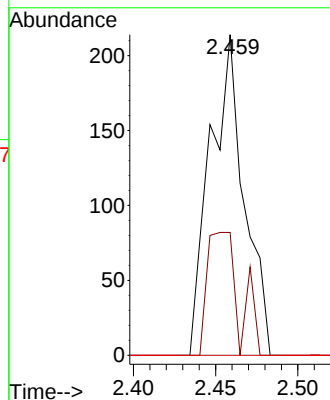
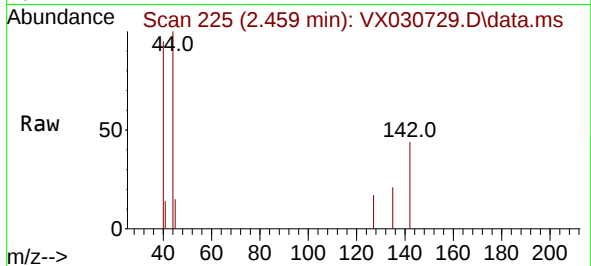




#10
Methyl Iodide
Concen: 1.670 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

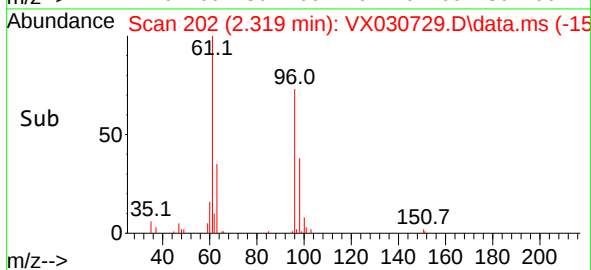
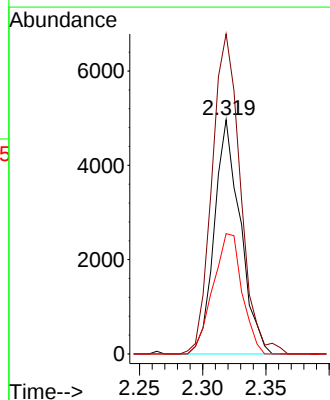
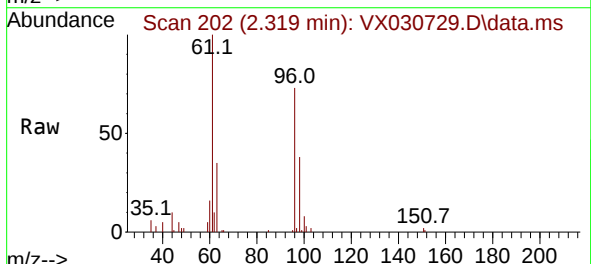
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

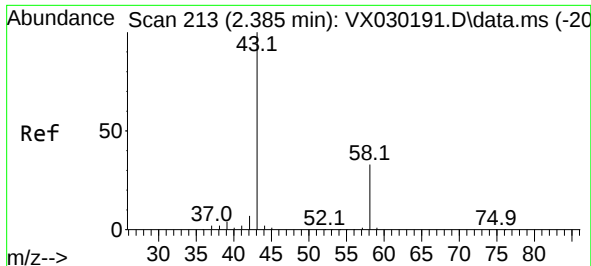
Tgt Ion:142 Resp: 308
Ion Ratio Lower Upper
142 100
127 36.0 30.2 45.2
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 3.440 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 96 Resp: 7080
Ion Ratio Lower Upper
96 100
61 136.6 117.4 176.0
98 51.4 52.2 78.4#

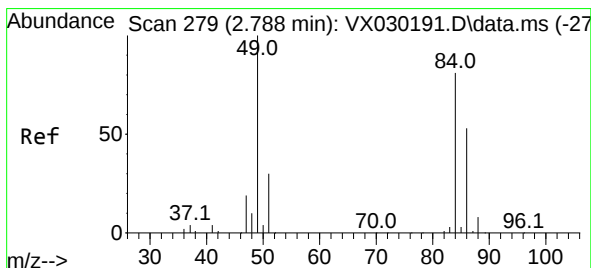
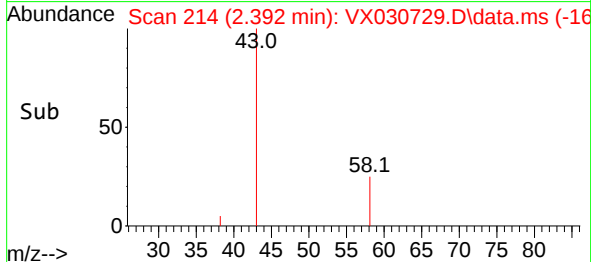
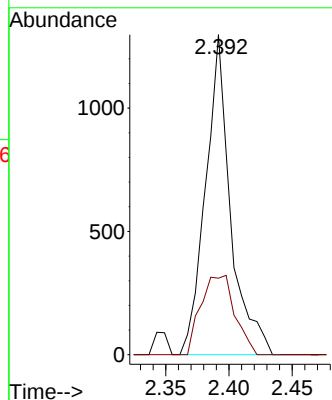
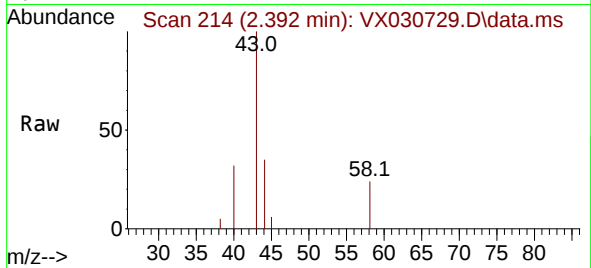




#16
Acetone
Concen: 1.316 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

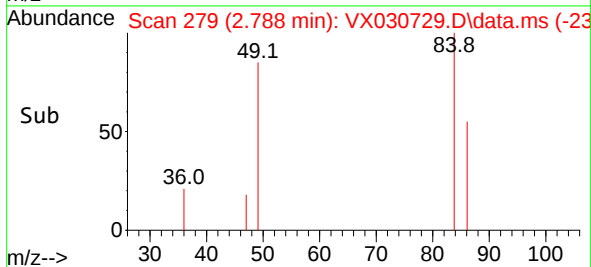
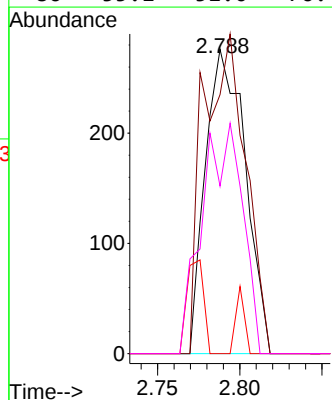
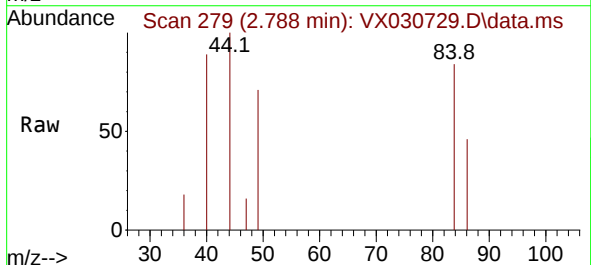
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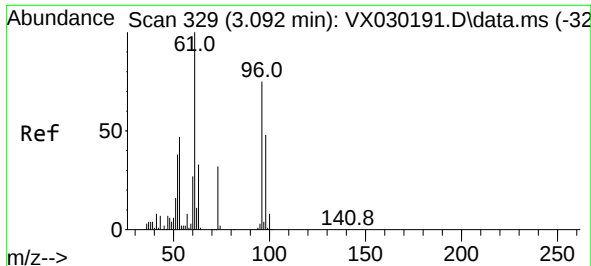
Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
58 23.9 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 84 Resp: 465
Ion Ratio Lower Upper
84 100
49 85.1 93.8 140.6#
51 0.0 29.4 44.0#
86 55.1 51.0 76.4

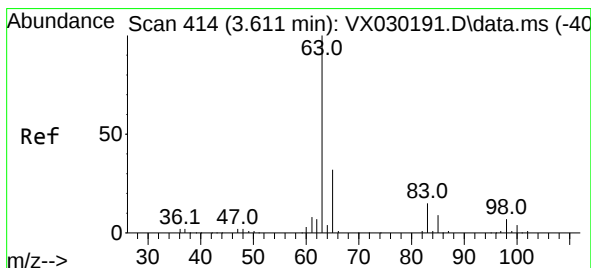
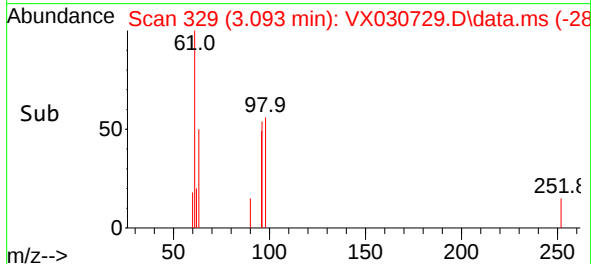
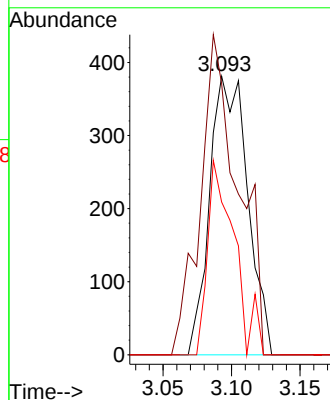
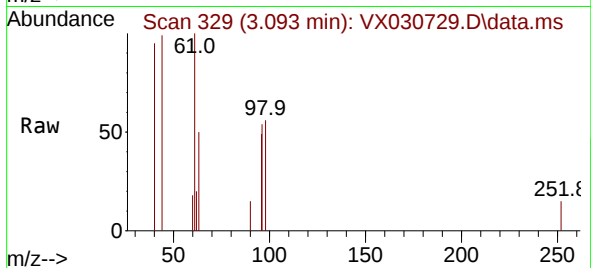




#21
trans-1,2-Dichloroethene
Concen: 0.323 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.001 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

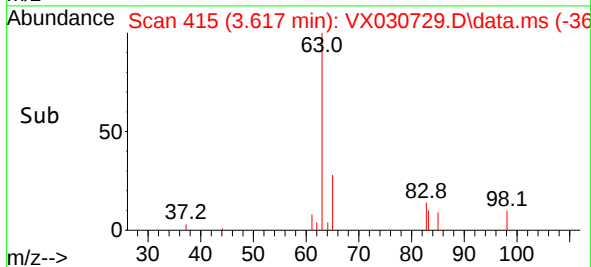
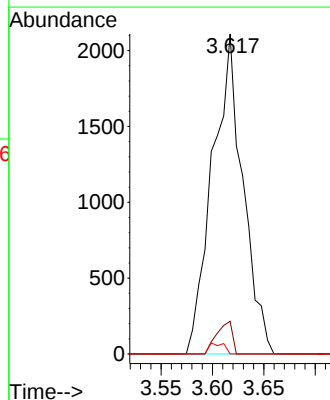
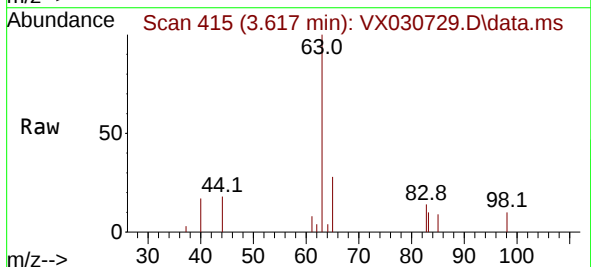
Instrument :
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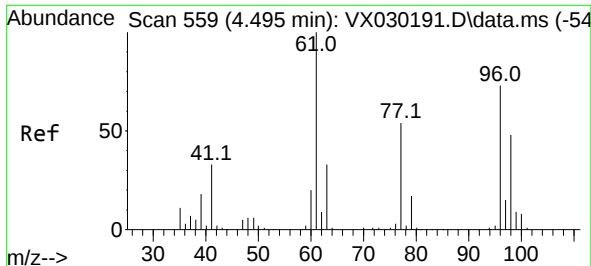
Tgt Ion: 96 Resp: 733
Ion Ratio Lower Upper
96 100
61 97.4 105.6 158.4#
98 54.9 50.1 75.1



#24
1,1-Dichloroethane
Concen: 1.021 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.006 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 63 Resp: 4358
Ion Ratio Lower Upper
63 100
98 10.2 3.5 10.5
100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 31.164 ug/l

RT: 4.495 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX030729.D

Acq: 23 Aug 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20220816

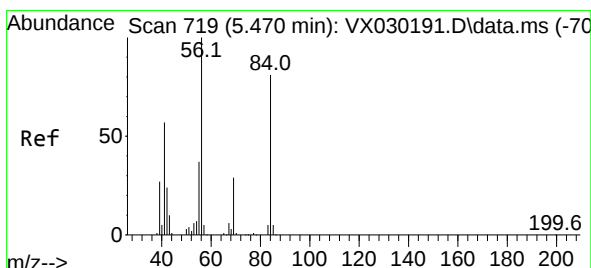
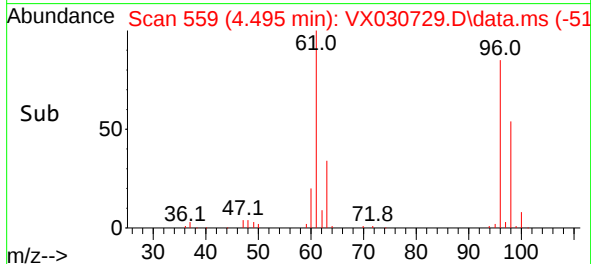
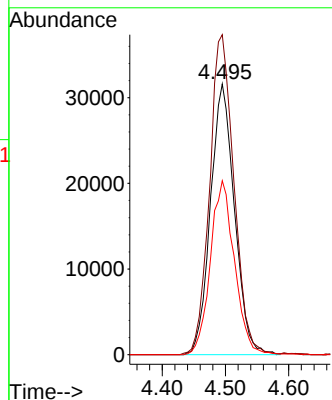
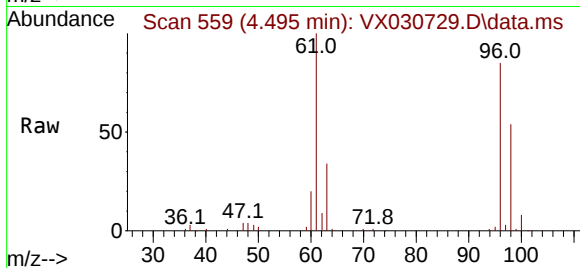
Tgt Ion: 96 Resp: 83243

Ion Ratio Lower Upper

96 100

61 119.9 0.0 270.0

98 64.7 0.0 127.8



#31

Cyclohexane

Concen: 0.731 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030729.D

Acq: 23 Aug 2022 14:08

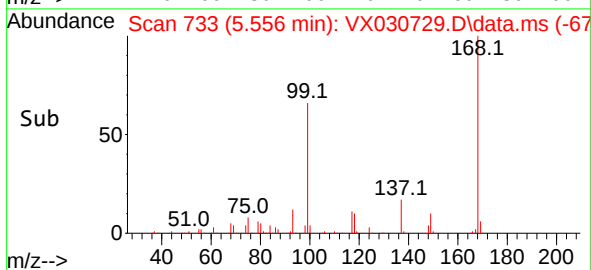
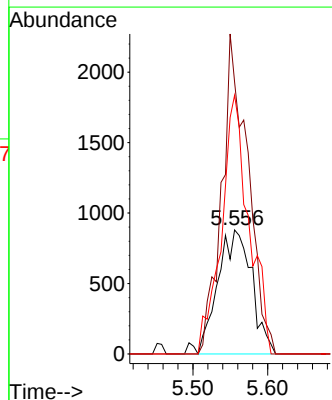
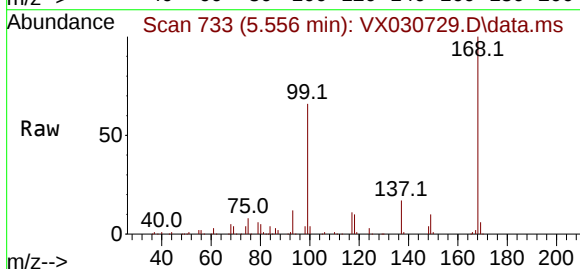
Tgt Ion: 56 Resp: 2811

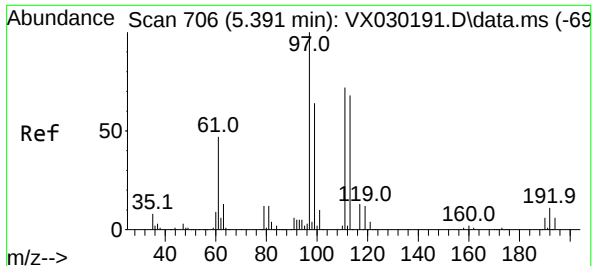
Ion Ratio Lower Upper

56 100

69 219.2 25.4 38.0#

84 220.0 68.9 103.3#





#32

1,1,1-Trichloroethane

Concen: 0.779 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX030729.D

Acq: 23 Aug 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20220816

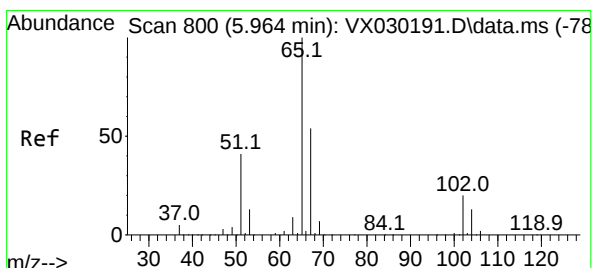
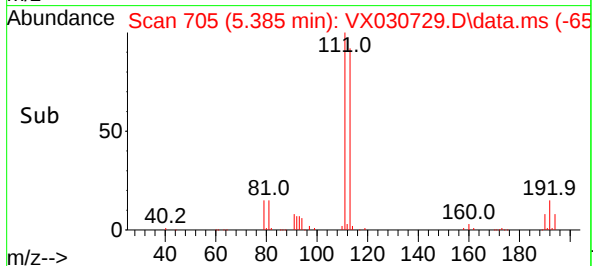
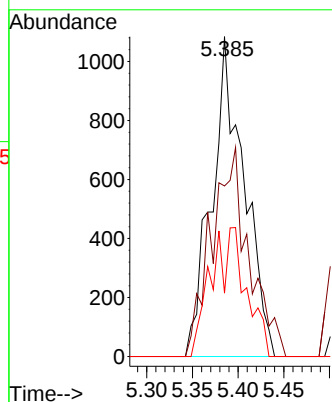
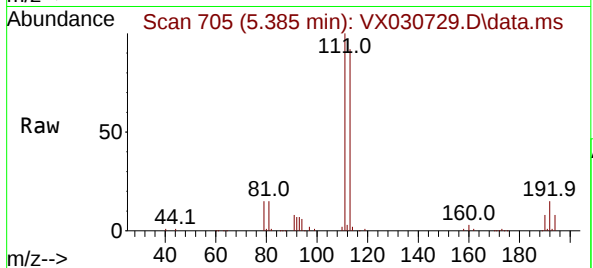
Tgt Ion: 97 Resp: 2677

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 43.5 35.8 53.8



#33

1,2-Dichloroethane-d4

Concen: 57.780 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX030729.D

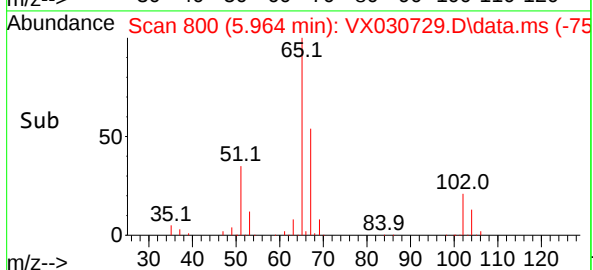
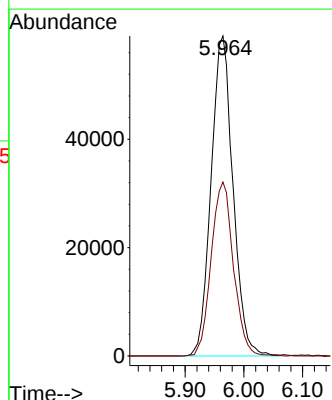
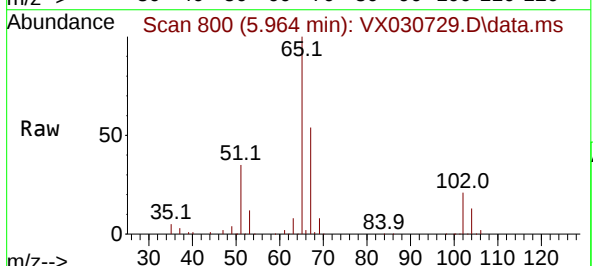
Acq: 23 Aug 2022 14:08

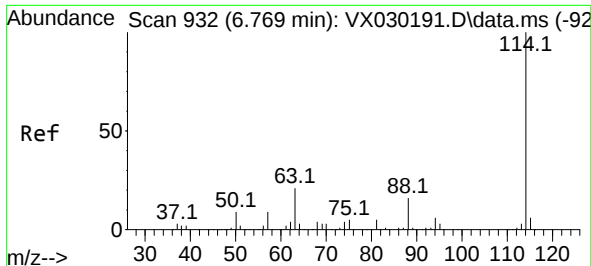
Tgt Ion: 65 Resp: 152990

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.6

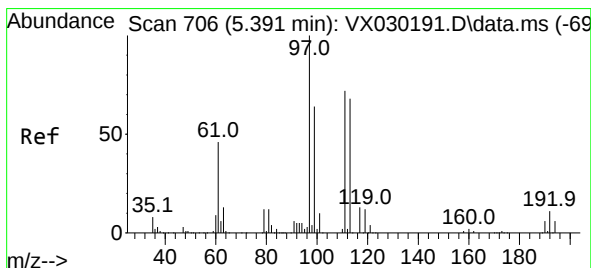
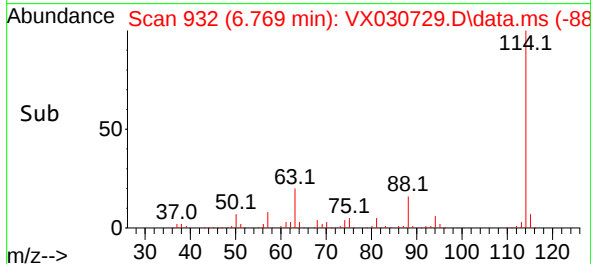
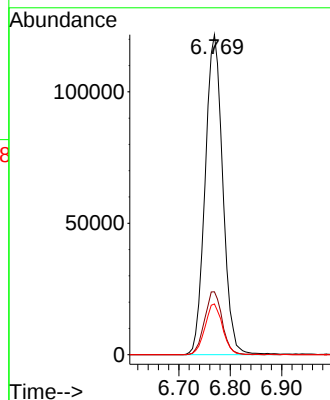
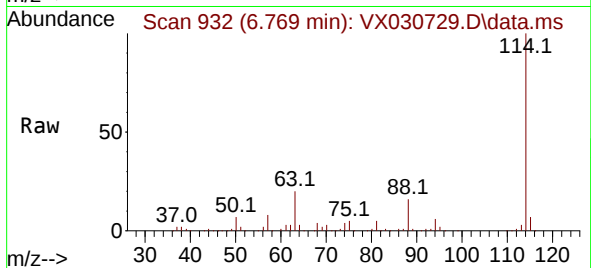




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

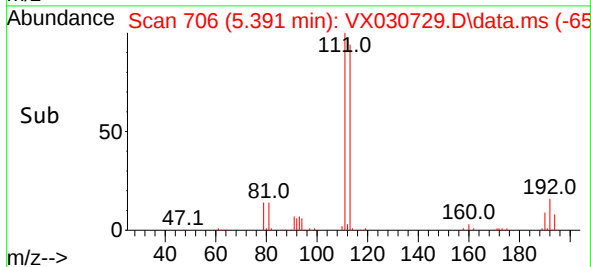
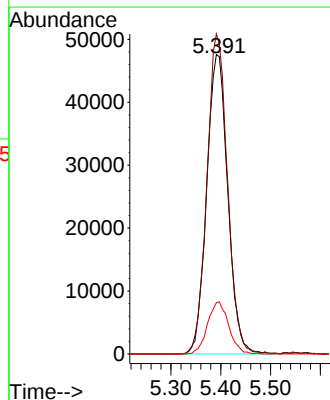
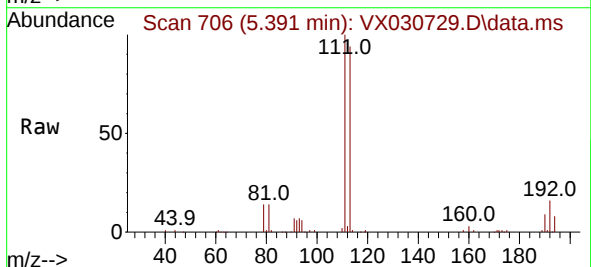
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

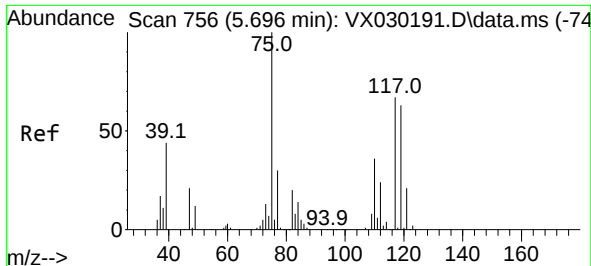
Tgt Ion:114 Resp: 289730
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.4
88 15.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.435 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion:113 Resp: 139688
Ion Ratio Lower Upper
113 100
111 104.2 83.2 124.8
192 17.5 14.8 22.2

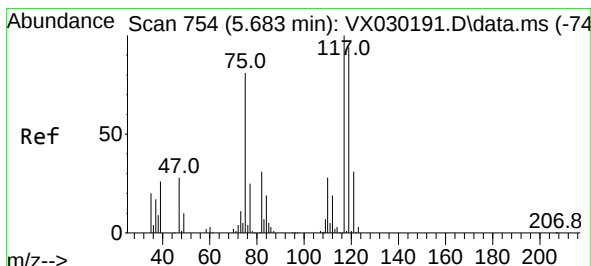
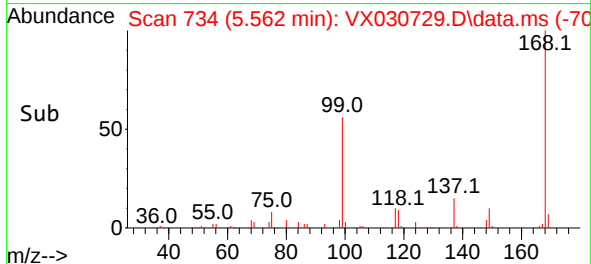
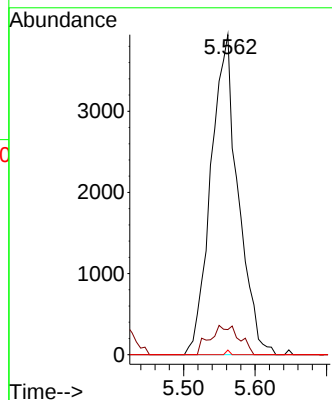
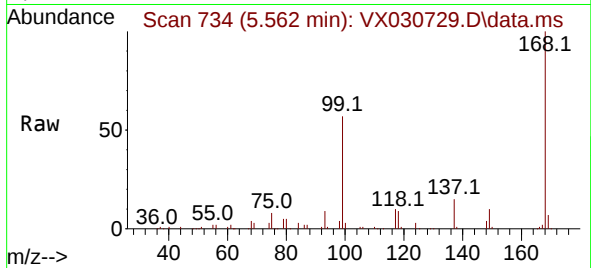




#36
1,1-Dichloropropene
Concen: 2.619 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.134 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

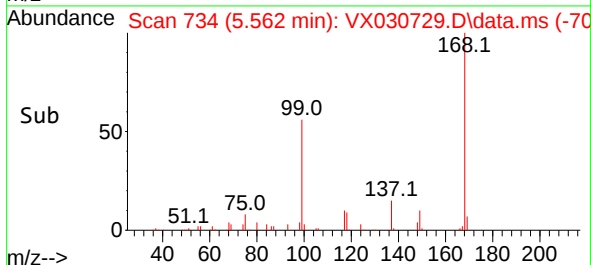
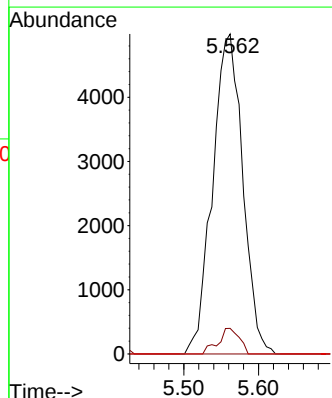
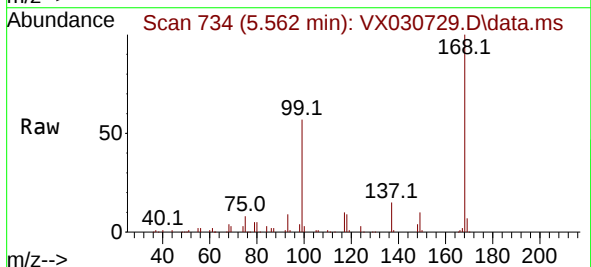
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

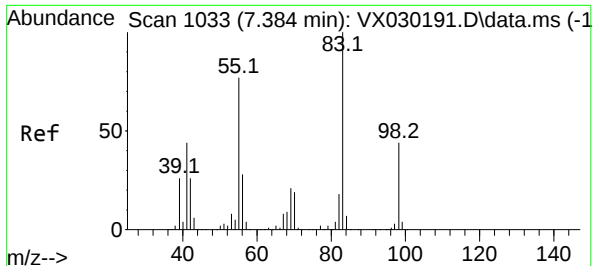
Tgt Ion: 75 Resp: 10437
Ion Ratio Lower Upper
75 100
110 9.8 19.3 57.9#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 3.761 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.121 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 117 Resp: 13995
Ion Ratio Lower Upper
117 100
119 8.0 74.1 111.1#
121 0.0 25.8 38.8#

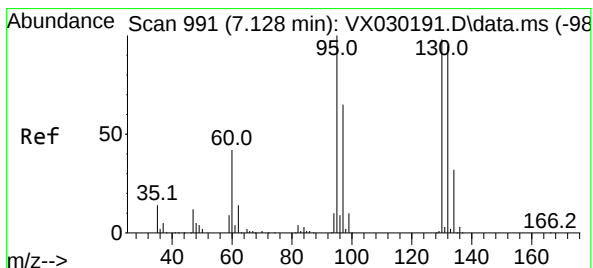
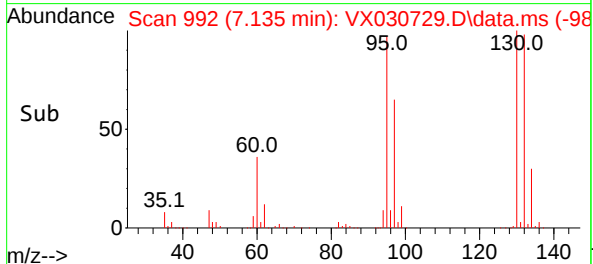
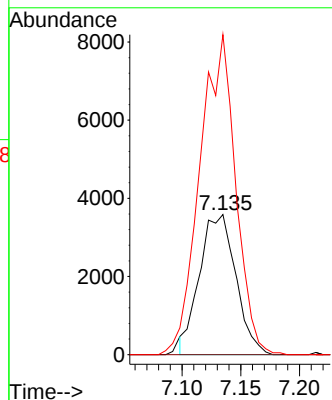
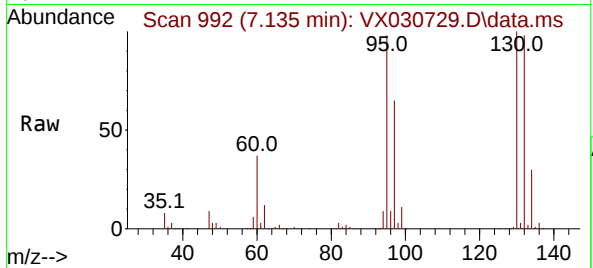




#39
Methylcyclohexane
Concen: 1.496 ug/l
RT: 7.135 min Scan# 992
Delta R.T. -0.249 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

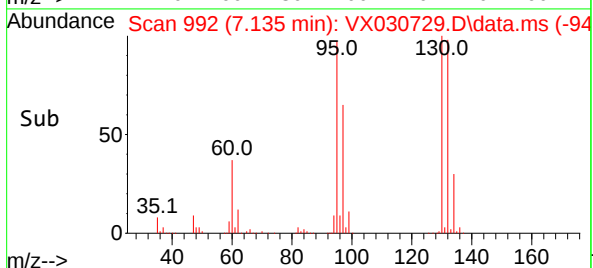
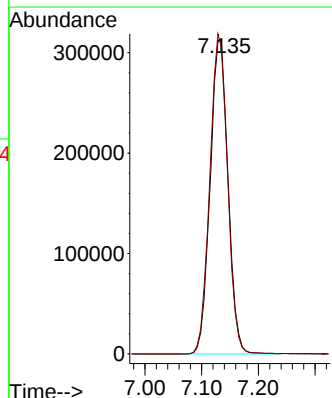
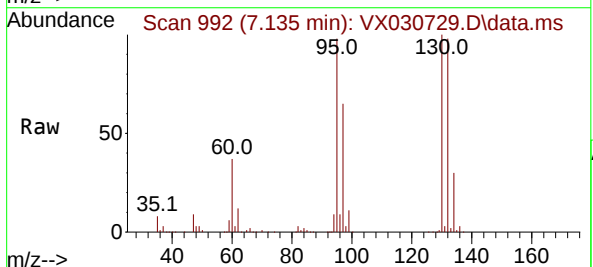
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

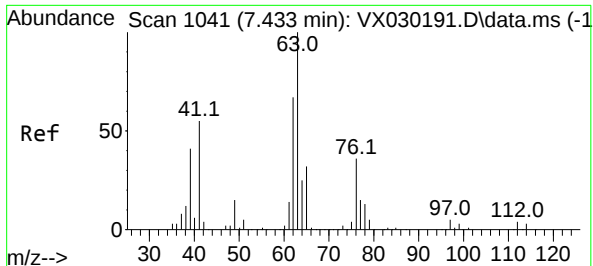
Tgt Ion: 83 Resp: 7696
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 226.9 36.5 54.7#



#44
Trichloroethene
Concen: 200.207 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.007 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion:130 Resp: 686047
Ion Ratio Lower Upper
130 100
95 97.5 0.0 194.8





#45

1,2-Dichloropropane

Concen: 0.805 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX030729.D

Acq: 23 Aug 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

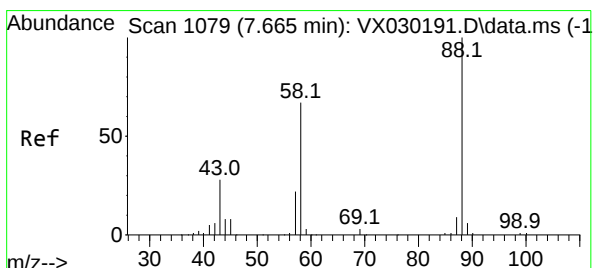
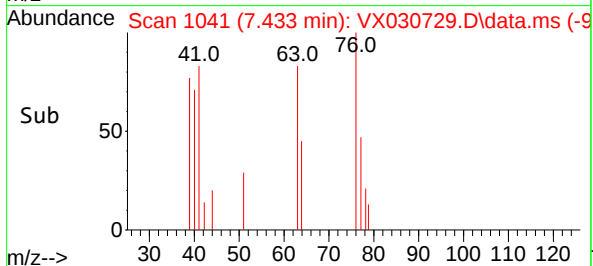
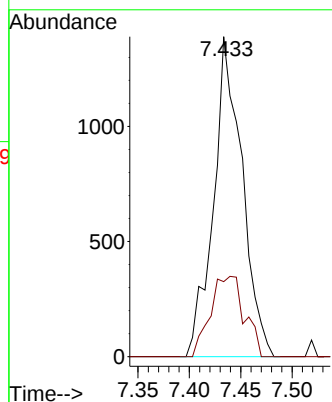
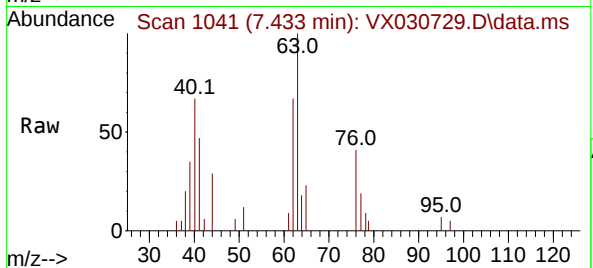
MW179D2-20220816

Tgt Ion: 63 Resp: 2691

Ion Ratio Lower Upper

63 100

65 23.5 25.2 37.8#



#49

1,4-Dioxane

Concen: 2.838 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.031 min

Lab File: VX030729.D

Acq: 23 Aug 2022 14:08

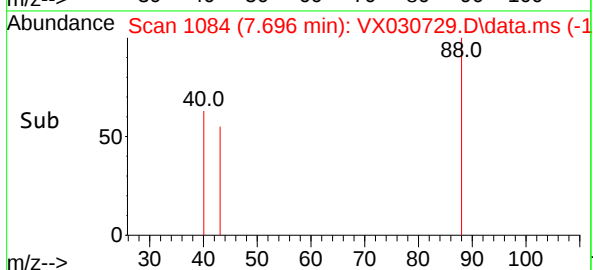
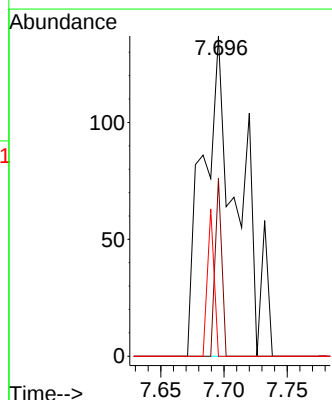
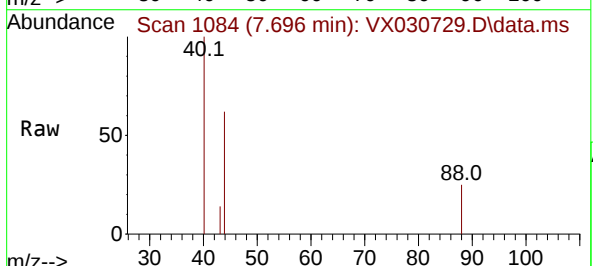
Tgt Ion: 88 Resp: 267

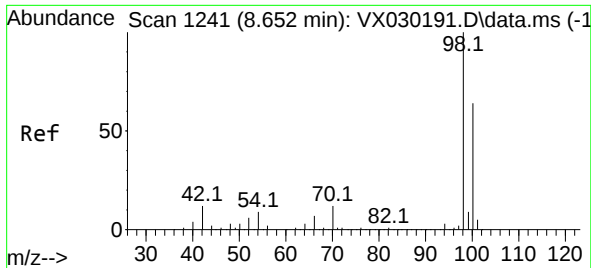
Ion Ratio Lower Upper

88 100

43 10.5 23.8 35.8#

58 8.6 53.8 80.6#

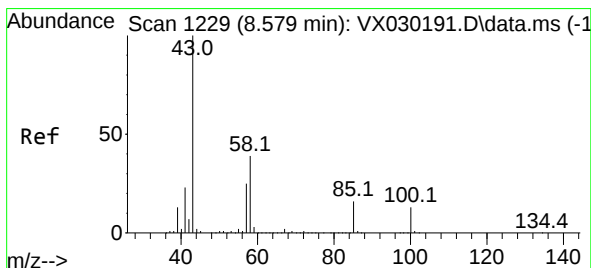
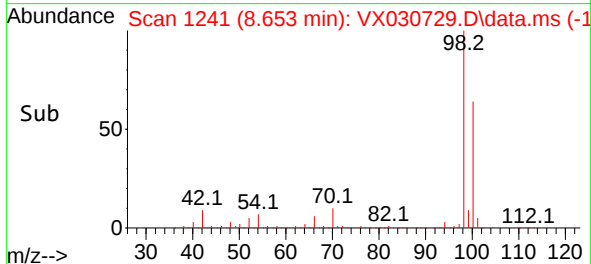
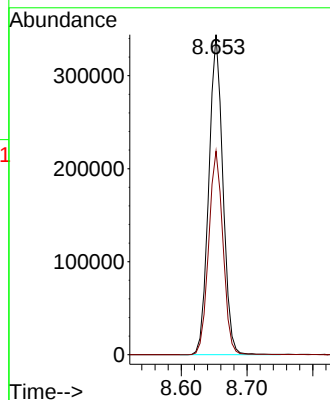
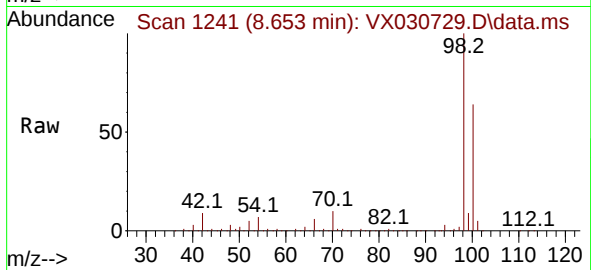




#50
Toluene-d8
Concen: 47.771 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

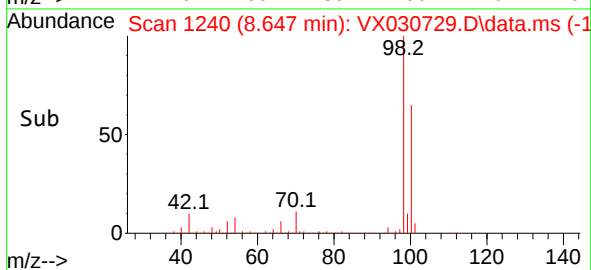
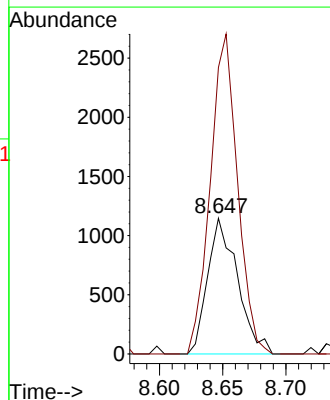
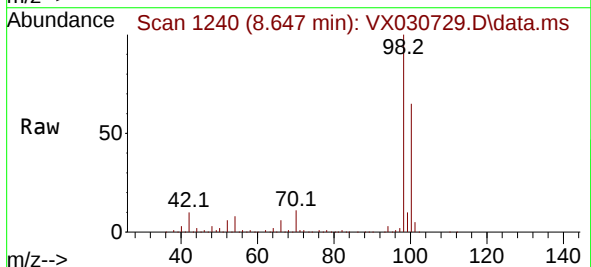
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

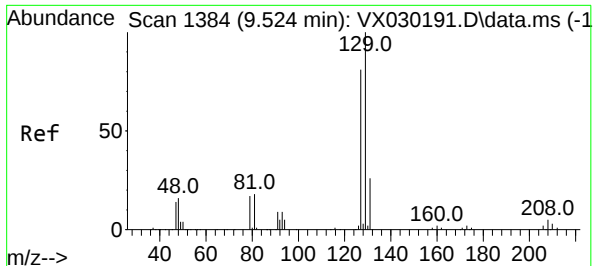
Tgt Ion: 98 Resp: 512388
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.336 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.068 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 43 Resp: 1886
Ion Ratio Lower Upper
43 100
58 215.2 31.4 47.2#

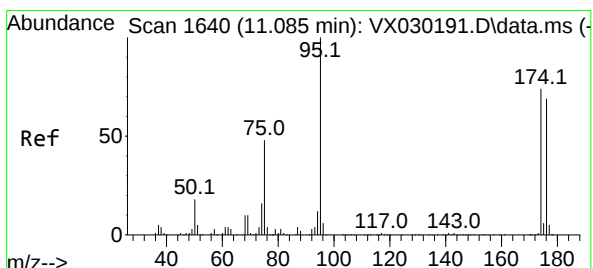
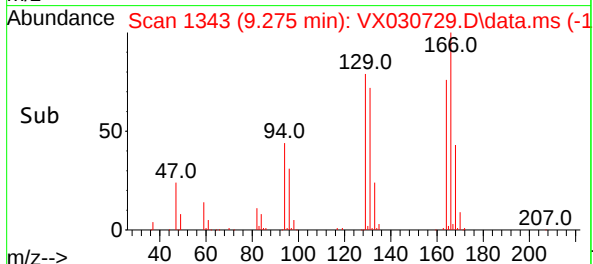
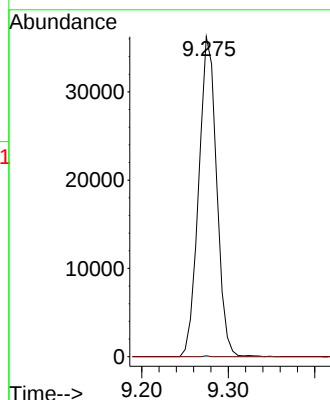
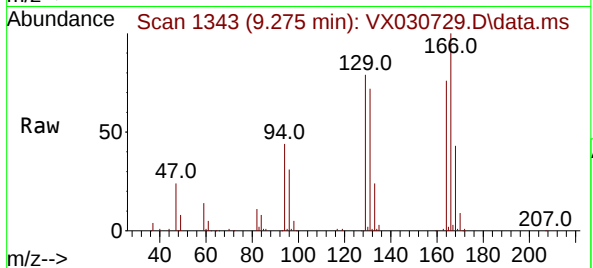




#60
Dibromochloromethane
Concen: 17.281 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.249 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

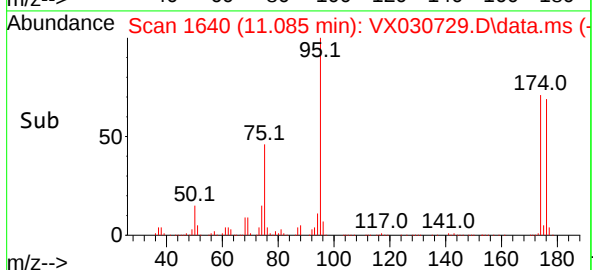
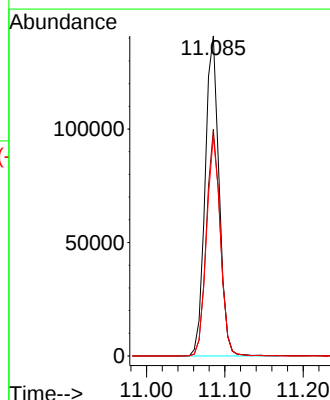
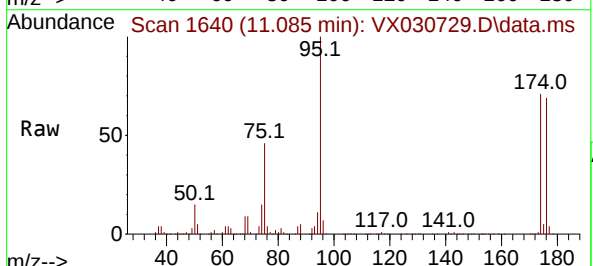
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

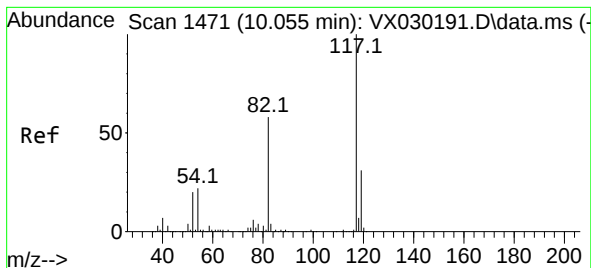
Tgt Ion:129 Resp: 52114
Ion Ratio Lower Upper
129 100
127 0.1 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 43.729 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 95 Resp: 174070
Ion Ratio Lower Upper
95 100
174 70.2 0.0 149.0
176 68.5 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: VX030729.D

Acq: 23 Aug 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

MW179D2-20220816

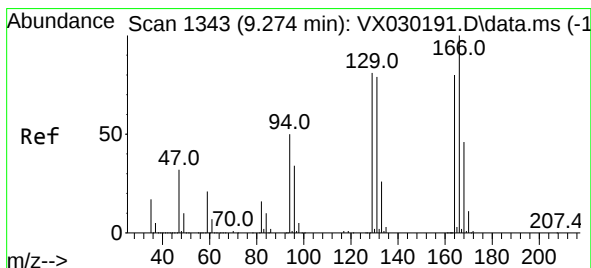
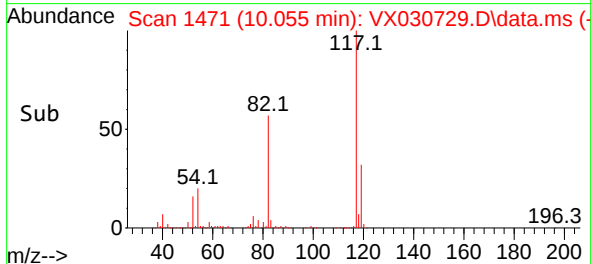
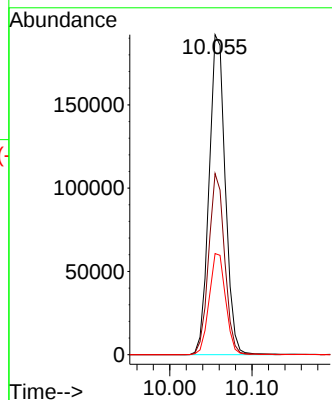
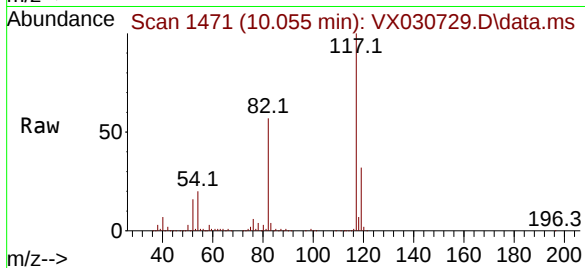
Tgt Ion:117 Resp: 263156

Ion Ratio Lower Upper

117 100

82 56.6 42.7 64.1

119 31.6 25.4 38.2



#64

Tetrachloroethene

Concen: 17.826 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.001 min

Lab File: VX030729.D

Acq: 23 Aug 2022 14:08

Tgt Ion:164 Resp: 50501

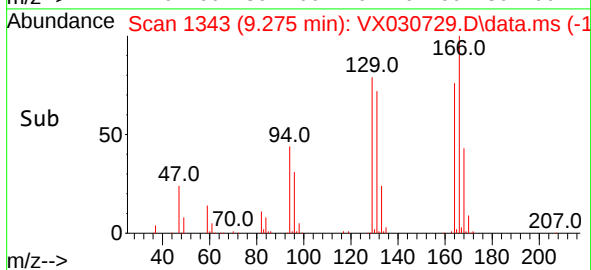
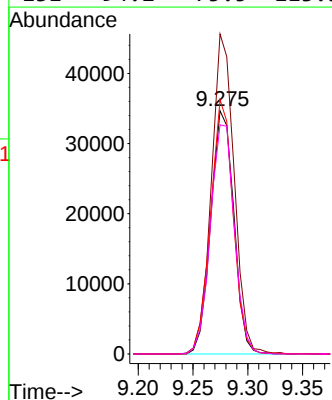
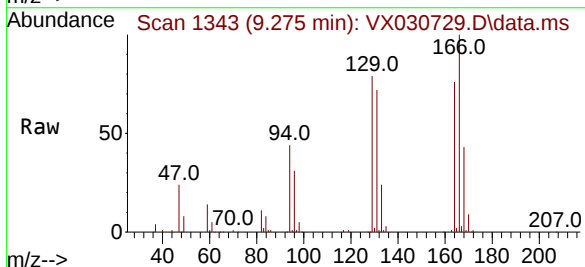
Ion Ratio Lower Upper

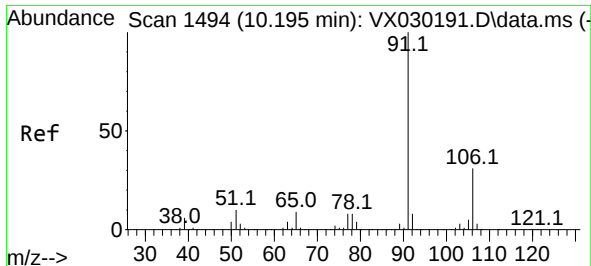
164 100

166 131.6 98.2 147.4

129 104.6 80.8 121.2

131 94.2 75.5 113.3

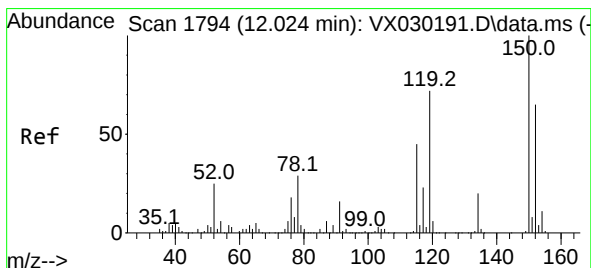
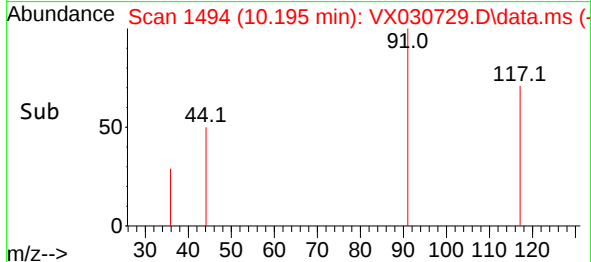
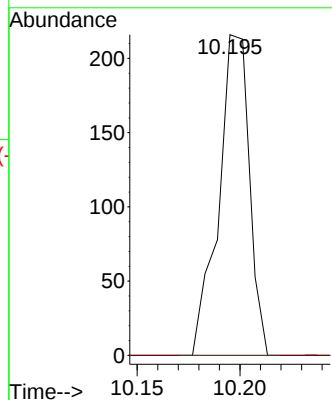
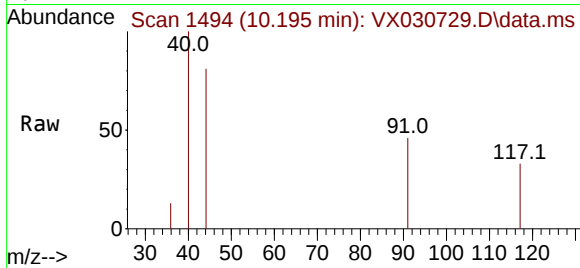




#67
Ethyl Benzene
Concen: Below Cal
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

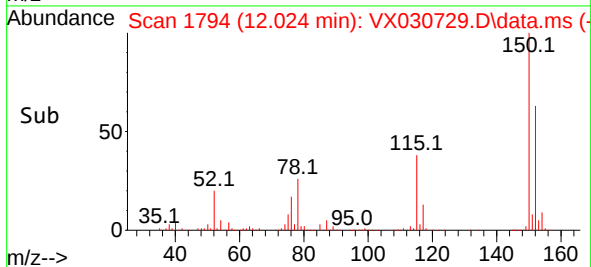
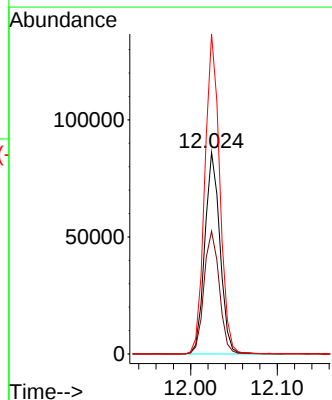
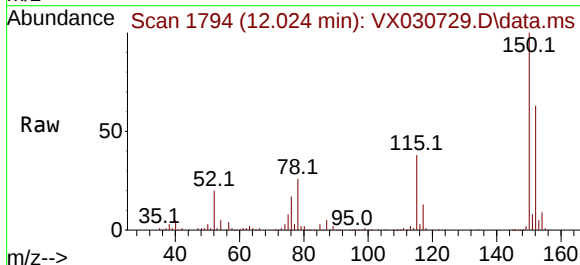
Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

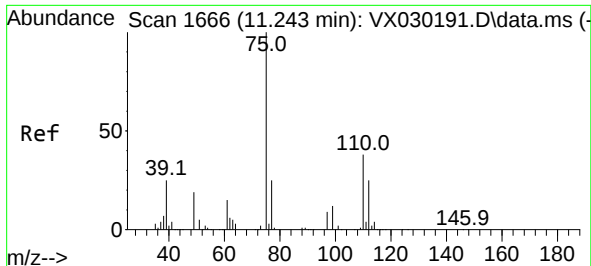
Tgt Ion: 91 Resp: 225
Ion Ratio Lower Upper
91 100
106 0.0 25.5 38.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 152 Resp: 104422
Ion Ratio Lower Upper
152 100
115 61.6 40.5 121.5
150 156.5 0.0 347.0

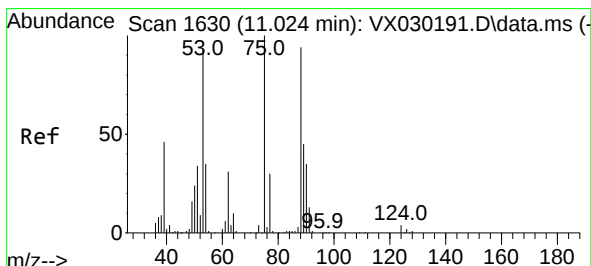
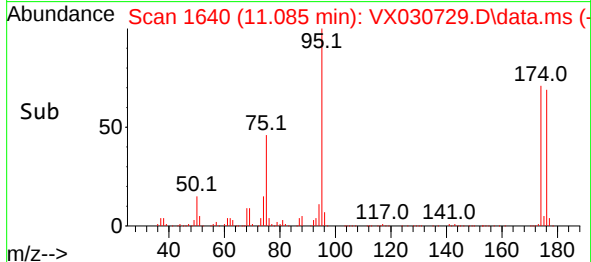
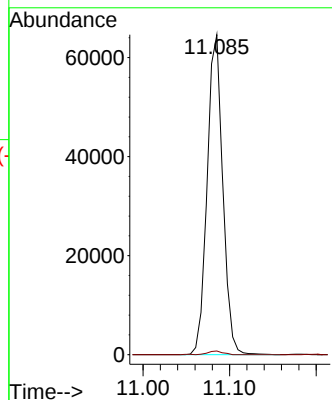
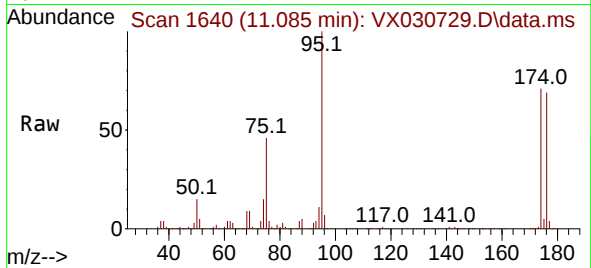




#76
1,2,3-Trichloropropane
Concen: 29.382 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Instrument :
MSVOA_X
ClientSampleId :
MW179D2-20220816

Tgt Ion: 75 Resp: 80875
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.145 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030729.D
Acq: 23 Aug 2022 14:08

Tgt Ion: 75 Resp: 80875
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

