

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082322\
 Data File : VX030727.D
 Acq On : 23 Aug 2022 13:21
 Operator : JC/MD
 Sample : N4245-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW17811-20220816

Quant Time: Sep 06 02:52:17 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

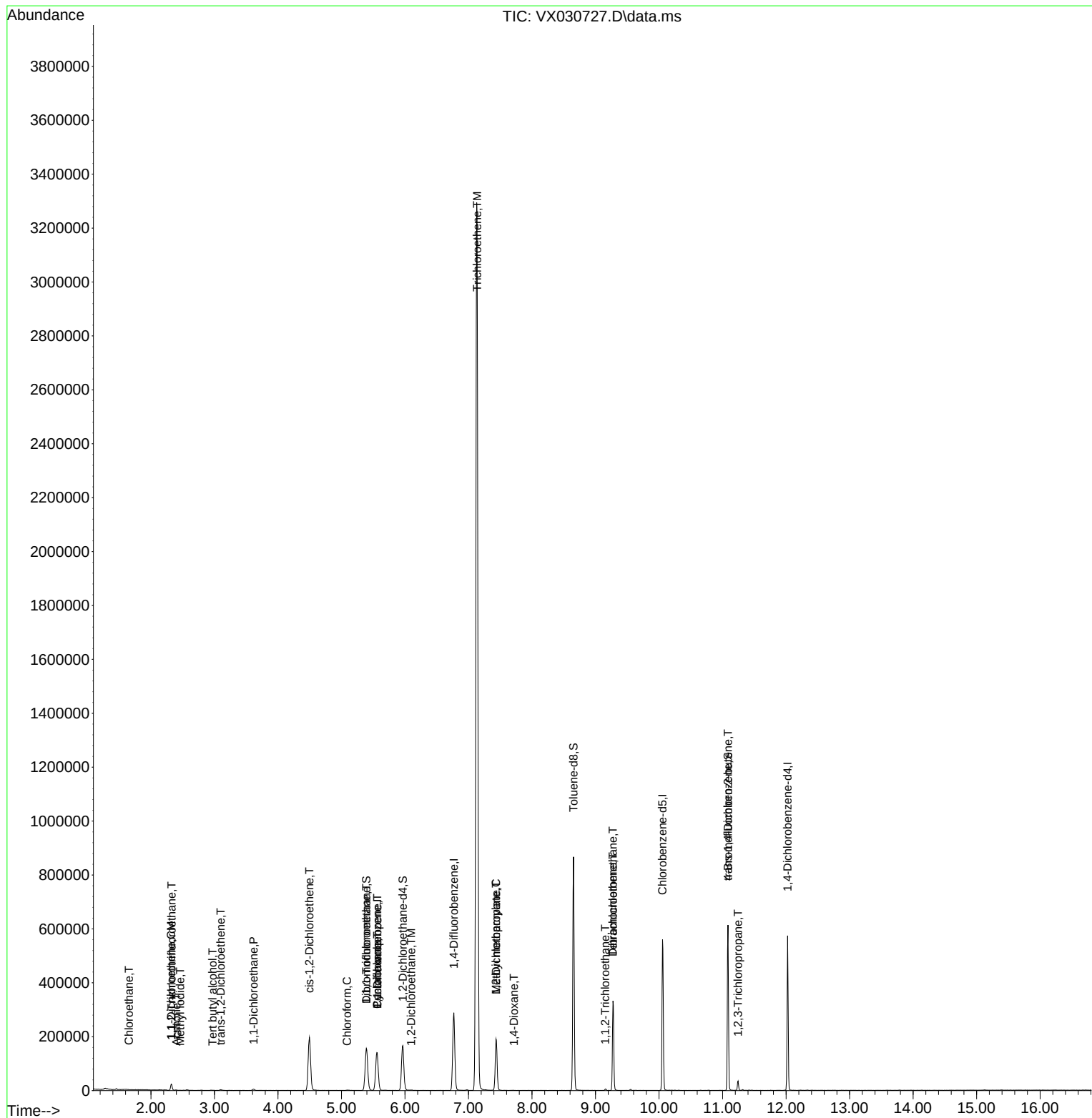
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	133466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	303779	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	270849	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108812	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	156385	58.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	116.600%
35) Dibromofluoromethane	5.391	113	142436	49.049	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.100%
50) Toluene-d8	8.652	98	521512	46.373	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.740%
62) 4-Bromofluorobenzene	11.085	95	174877	41.900	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	83.800%
Target Compounds						
					Qvalue	
5) Bromomethane	1.581	94	25	Below Cal	#	2
6) Chloroethane	1.654	64	341	0.272	ug/l #	88
9) 1,1,2-Trichlorotrifluo...	2.324	101	1926	0.903	ug/l	98
10) Methyl Iodide	2.458	142	533	1.774	ug/l #	91
11) Tert butyl alcohol	2.971	59	308	0.471	ug/l #	74
12) 1,1-Dichloroethene	2.318	96	7479	3.587	ug/l #	85
16) Acetone	2.398	43	1975	1.438	ug/l	97
20) Methylene Chloride	2.794	84	533	Below Cal	#	87
21) trans-1,2-Dichloroethene	3.099	96	1106	0.481	ug/l #	64
24) 1,1-Dichloroethane	3.617	63	5890	1.362	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	129954	48.021	ug/l	91
30) Chloroform	5.086	83	1110	0.259	ug/l #	71
31) Cyclohexane	5.562	56	2876	0.738	ug/l #	1
32) 1,1,1-Trichloroethane	5.391	97	894	0.257	ug/l #	47
36) 1,1-Dichloropropene	5.562	75	11032	2.640	ug/l #	48
42) 1,2-Dichloroethane	6.098	62	1902	0.419	ug/l	84
44) Trichloroethene	7.134	130	1305682	363.412	ug/l	99
45) 1,2-Dichloropropane	7.433	63	85422	24.358	ug/l	99
48) Methyl methacrylate	7.433	41	37487	8.779	ug/l #	32
49) 1,4-Dioxane	7.714	88	465	4.715	ug/l #	76
55) 1,1,2-Trichloroethane	9.152	97	1339	0.392	ug/l #	86
60) Dibromochloromethane	9.274	129	64177	20.297	ug/l #	11
64) Tetrachloroethene	9.274	164	61585	21.120	ug/l	98
67) Ethyl Benzene	10.195	91	440	Below Cal	#	73
76) 1,2,3-Trichloropropane	11.243	75	11627	4.054	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.085	75	82776	86.577	ug/l #	13

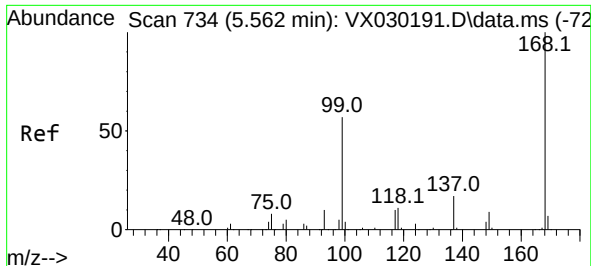
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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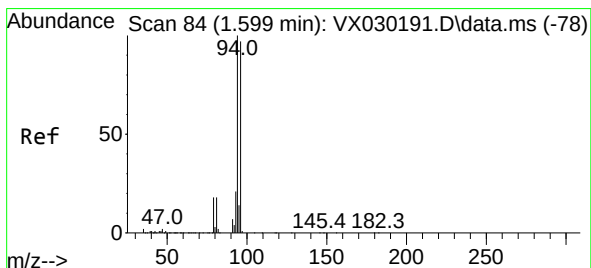
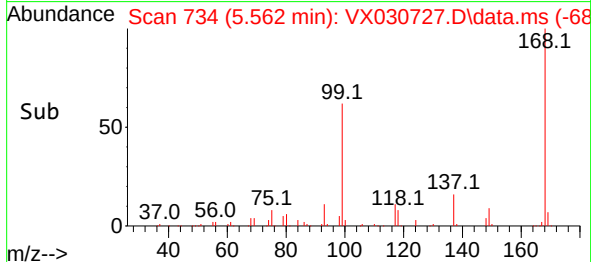
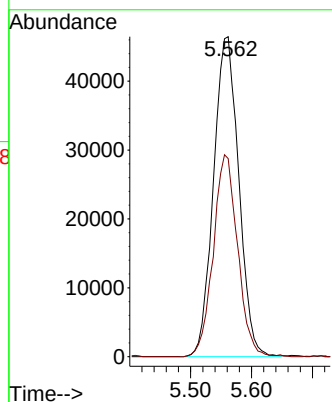
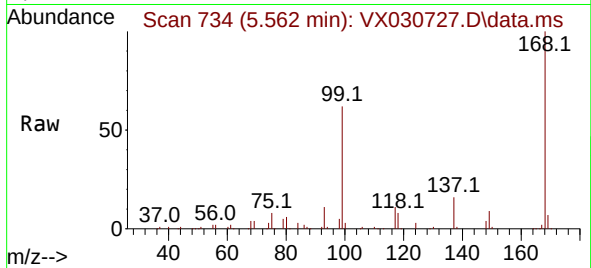




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

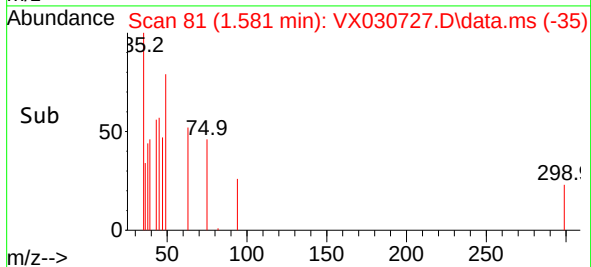
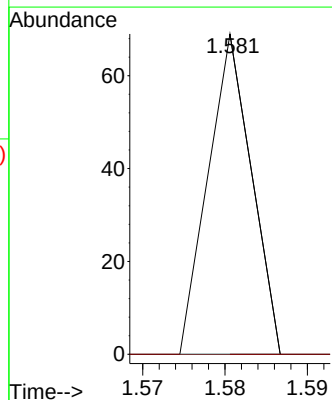
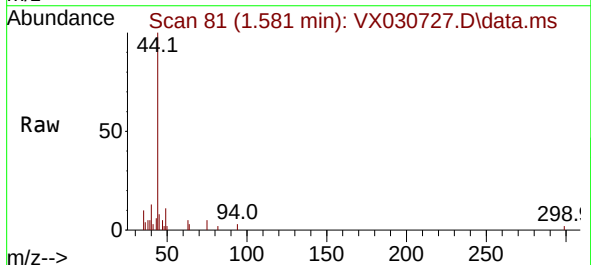
Instrument :
MSVOA_X
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MW17811-20220816

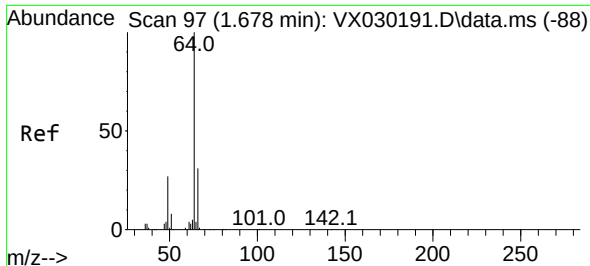
Tgt Ion:168 Resp: 133466
Ion Ratio Lower Upper
168 100
99 61.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 94 Resp: 25
Ion Ratio Lower Upper
94 100
96 0.0 76.9 115.3#

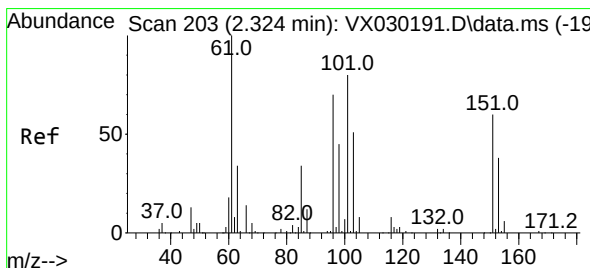
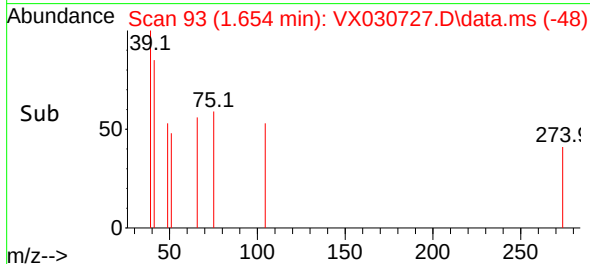
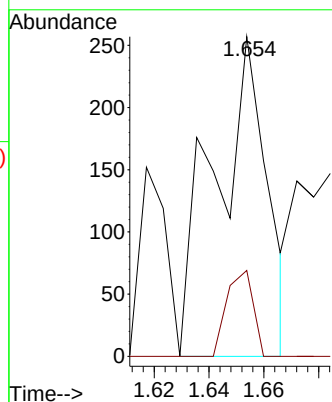
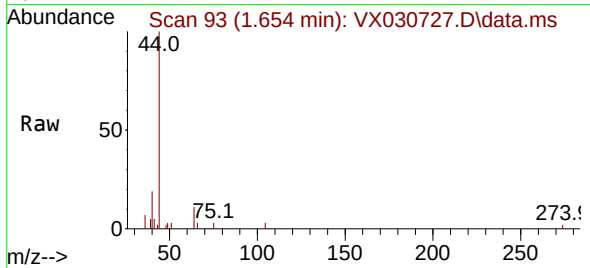




#6
Chloroethane
Concen: 0.272 ug/l
RT: 1.654 min Scan# 91
Delta R.T. -0.024 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

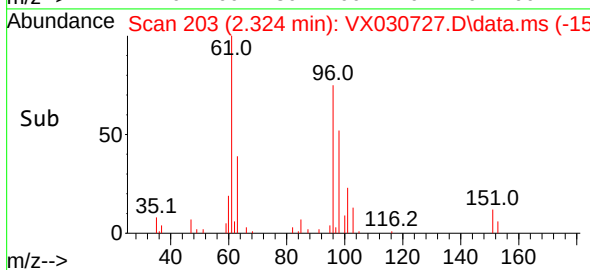
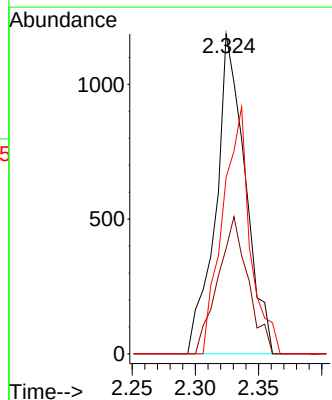
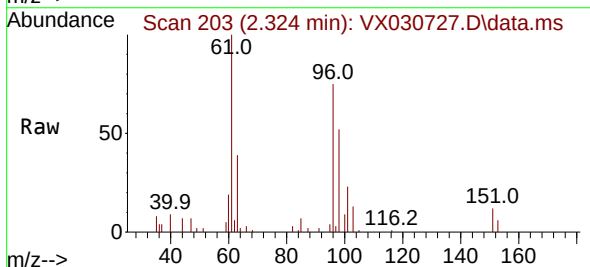
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

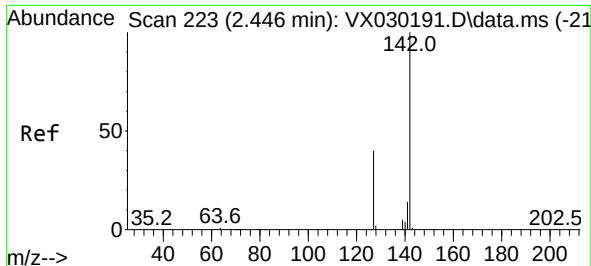
Tgt Ion: 64 Resp: 341
Ion Ratio Lower Upper
64 100
66 26.8 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.903 ug/l
RT: 2.324 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 101 Resp: 1926
Ion Ratio Lower Upper
101 100
85 43.6 34.0 51.0
151 72.1 59.4 89.0

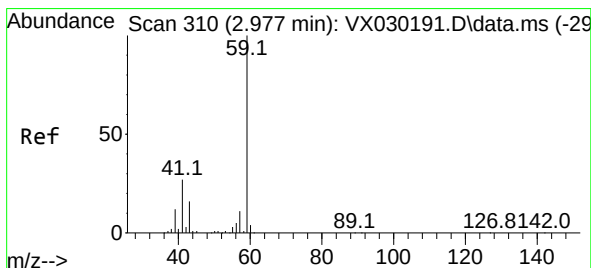
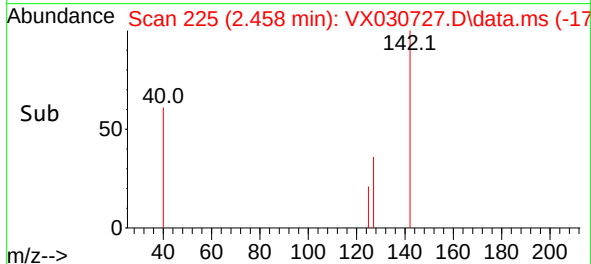
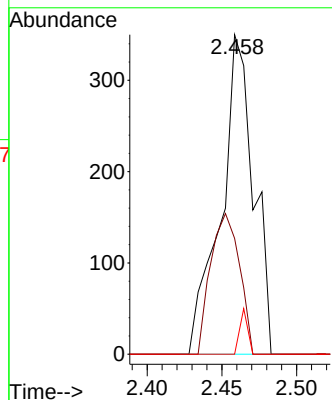
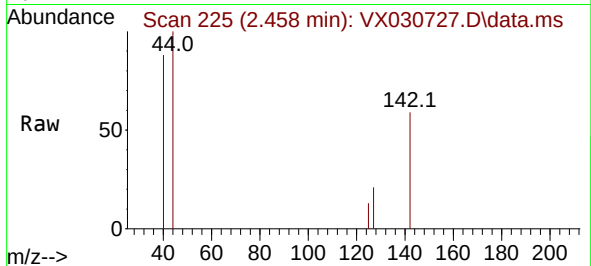




#10
Methyl Iodide
Concen: 1.774 ug/l
RT: 2.458 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

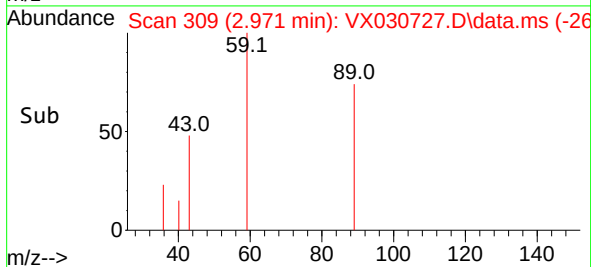
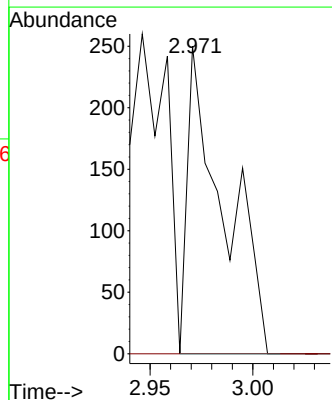
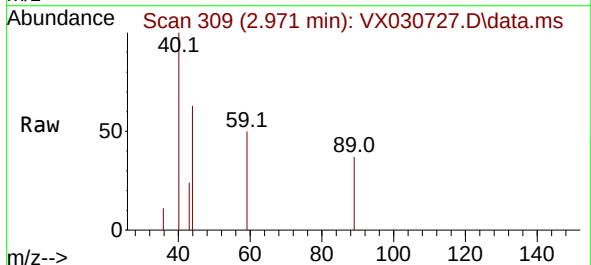
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

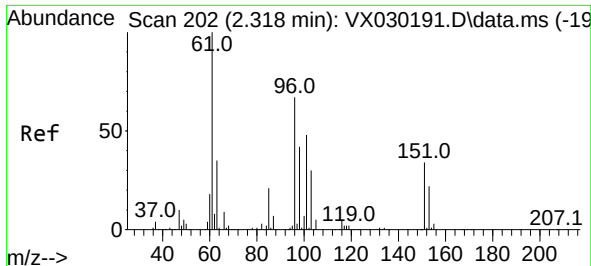
Tgt Ion:142 Resp: 533
Ion Ratio Lower Upper
142 100
127 38.8 30.2 45.2
141 3.4 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.471 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

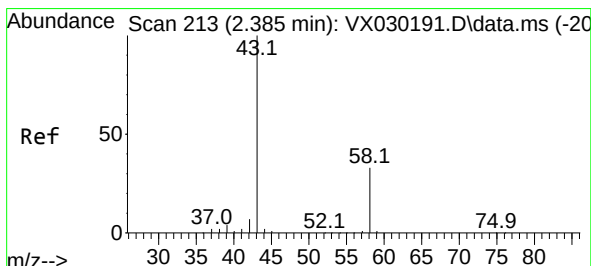
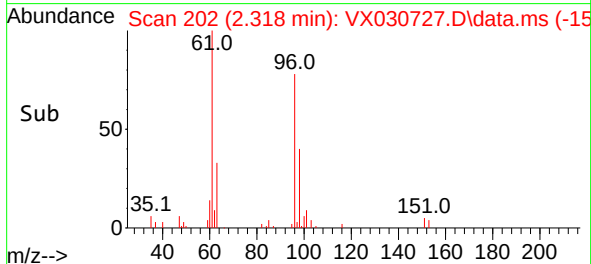
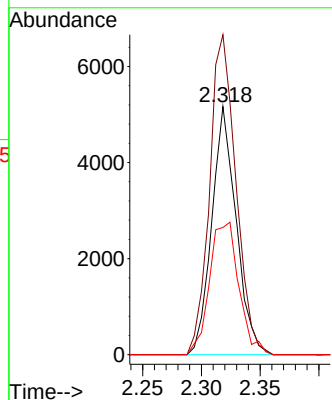
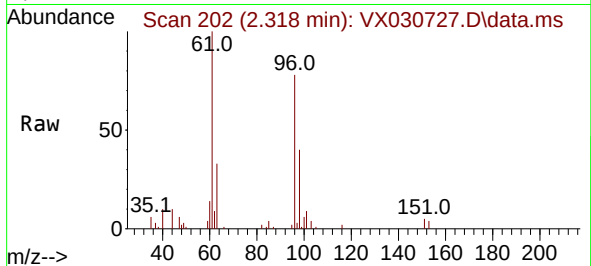




#12
1,1-Dichloroethene
Concen: 3.587 ug/l
RT: 2.318 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

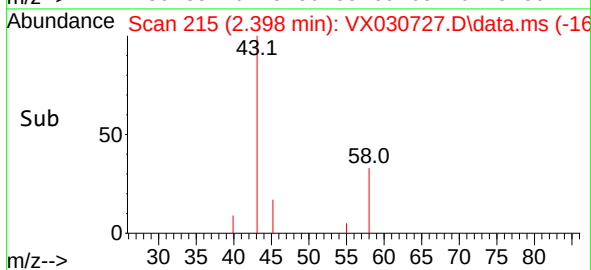
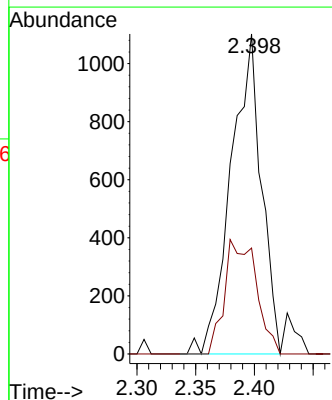
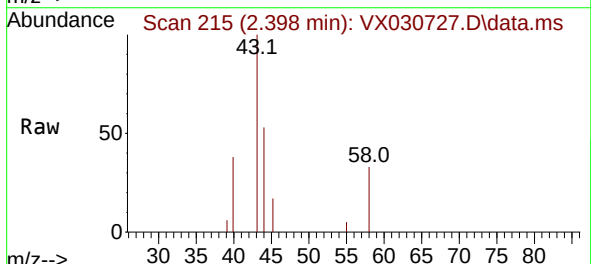
Instrument :
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ClientSampleId :
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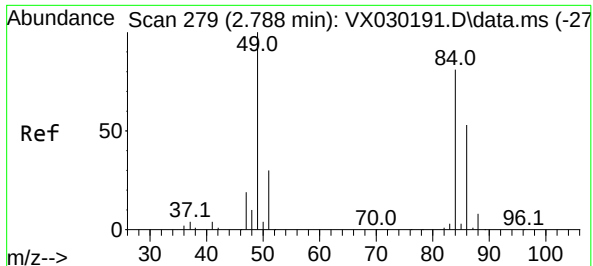
Tgt Ion: 96 Resp: 7479
Ion Ratio Lower Upper
96 100
61 128.9 117.4 176.0
98 51.2 52.2 78.4#



#16
Acetone
Concen: 1.438 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 43 Resp: 1975
Ion Ratio Lower Upper
43 100
58 33.1 27.7 41.5

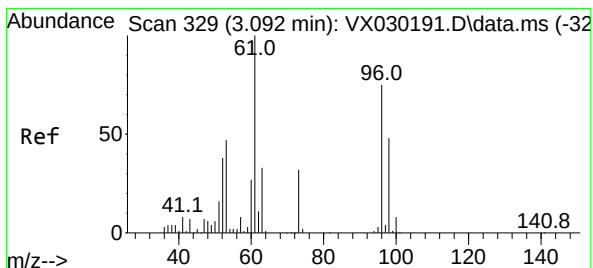
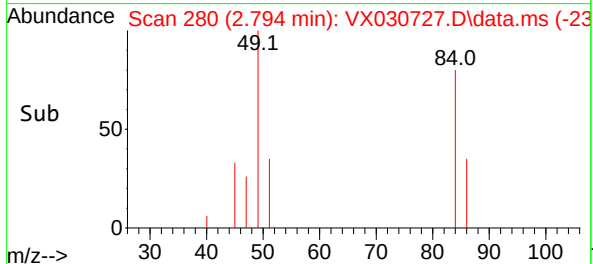
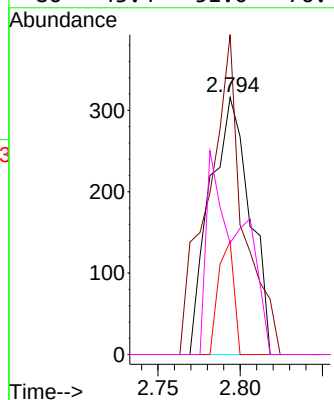
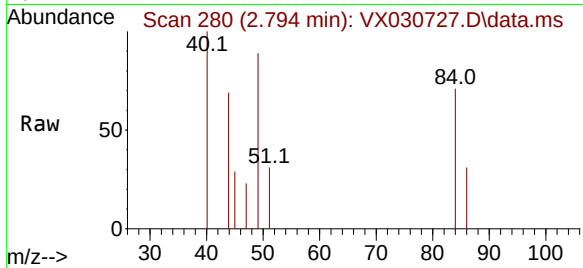




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

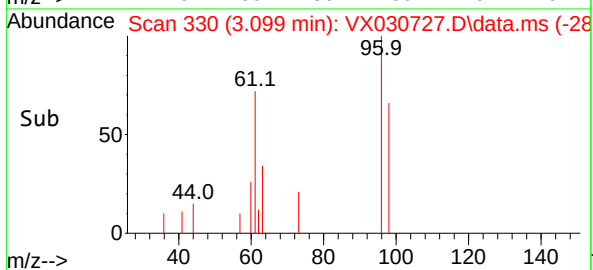
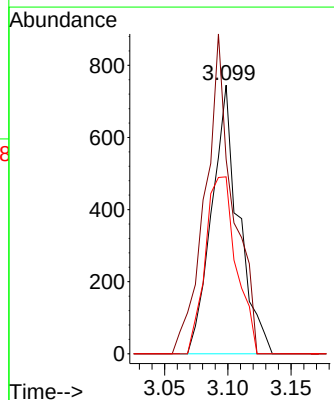
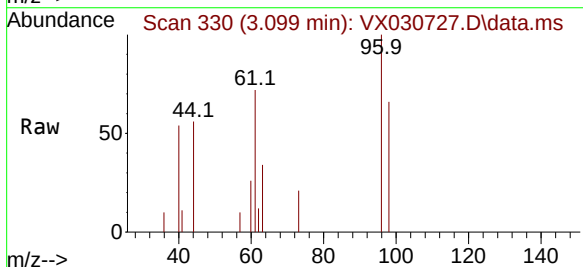
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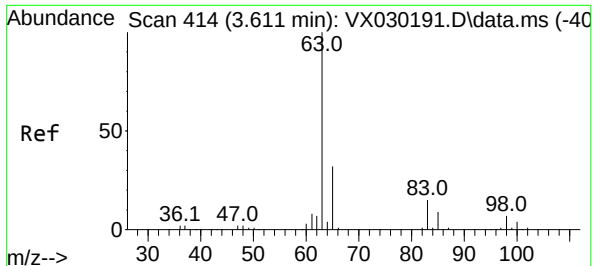
Tgt Ion:	84	Resp:	533
Ion	Ratio	Lower	Upper
84	100		
49	124.4	93.8	140.6
51	44.0	29.4	44.0
86	43.4	51.0	76.4



#21
trans-1,2-Dichloroethene
Concen: 0.481 ug/l
RT: 3.099 min Scan# 330
Delta R.T. 0.007 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion:	96	Resp:	1106
Ion	Ratio	Lower	Upper
96	100		
61	72.5	105.6	158.4
98	65.9	50.1	75.1

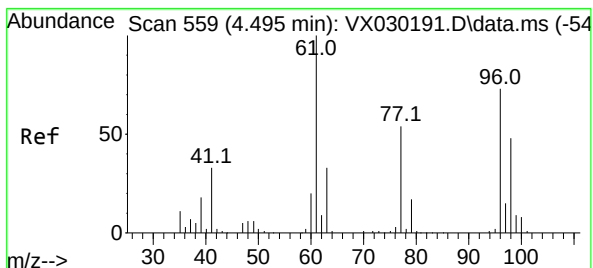
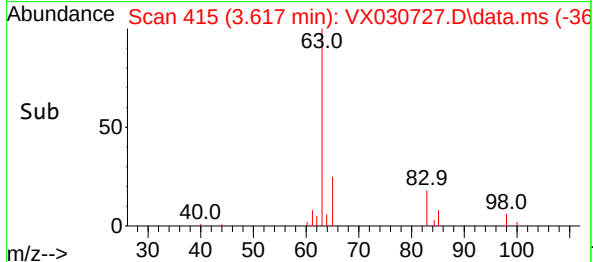
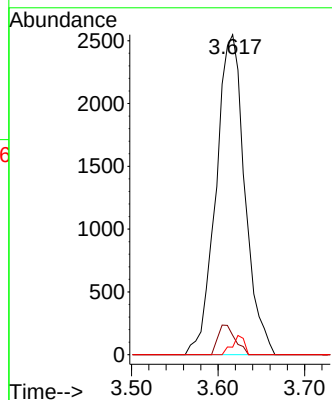
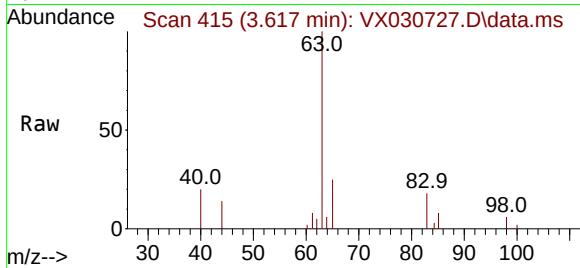




#24
 1,1-Dichloroethane
 Concen: 1.362 ug/l
 RT: 3.617 min Scan# 414
 Delta R.T. 0.006 min
 Lab File: VX030727.D
 Acq: 23 Aug 2022 13:21

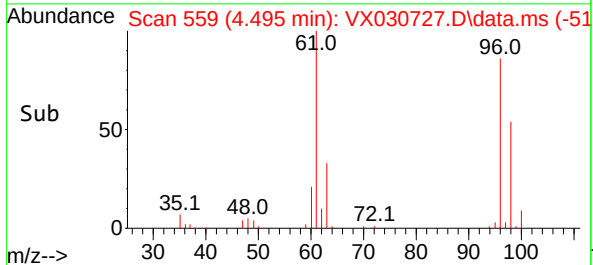
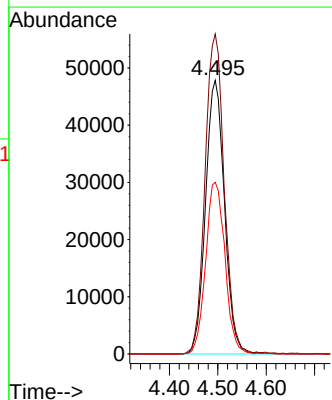
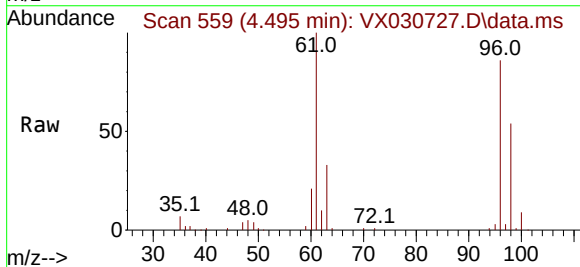
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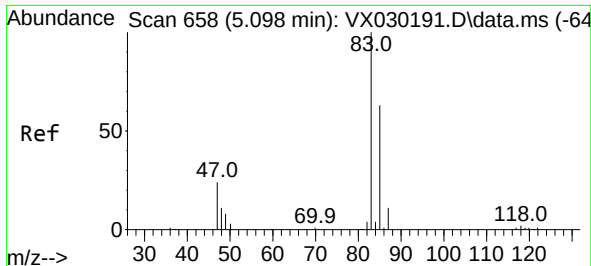
Tgt Ion: 63	Resp: 5890
Ion Ratio	Lower Upper
63 100	
98 6.0	3.5 10.5
100 2.4	2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 48.021 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. -0.000 min
 Lab File: VX030727.D
 Acq: 23 Aug 2022 13:21

Tgt Ion: 96	Resp: 129954
Ion Ratio	Lower Upper
96 100	
61 118.7	0.0 270.0
98 64.1	0.0 127.8





#30

Chloroform

Concen: 0.259 ug/l

RT: 5.086 min Scan# 61

Delta R.T. -0.012 min

Lab File: VX030727.D

Acq: 23 Aug 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :

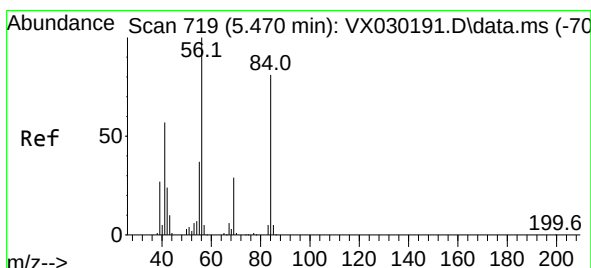
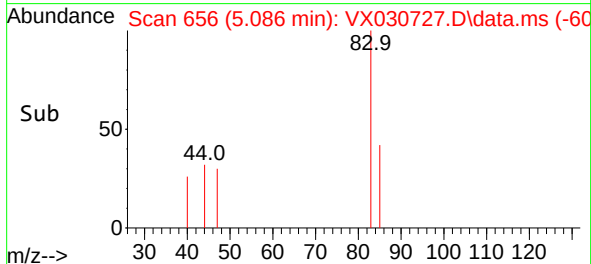
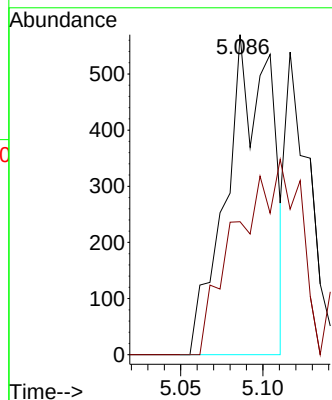
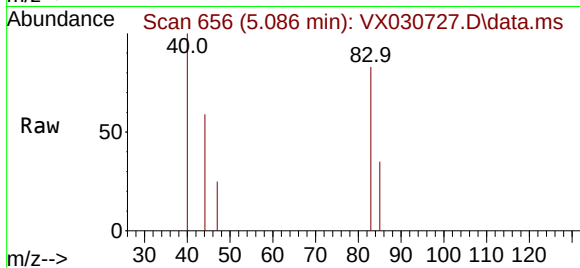
MW17811-20220816

Tgt Ion: 83 Resp: 1110

Ion Ratio Lower Upper

83 100

85 41.6 51.5 77.3#



#31

Cyclohexane

Concen: 0.738 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.092 min

Lab File: VX030727.D

Acq: 23 Aug 2022 13:21

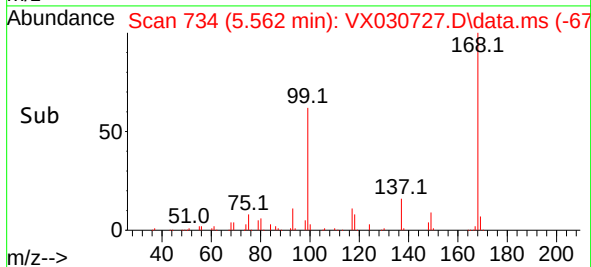
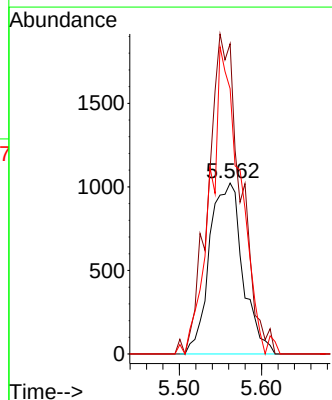
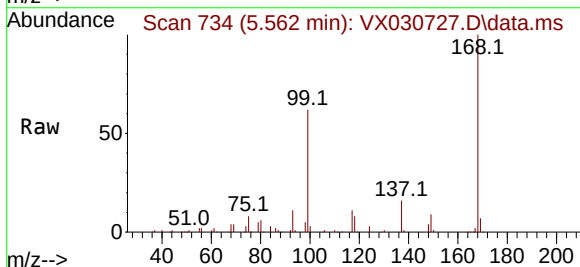
Tgt Ion: 56 Resp: 2876

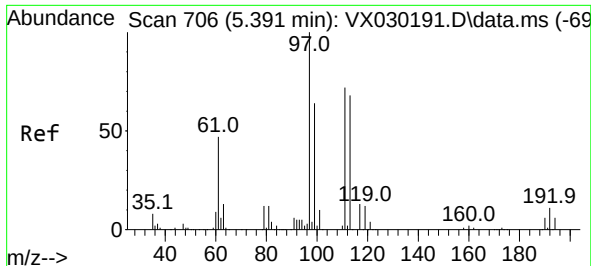
Ion Ratio Lower Upper

56 100

69 181.5 25.4 38.0#

84 155.2 68.9 103.3#

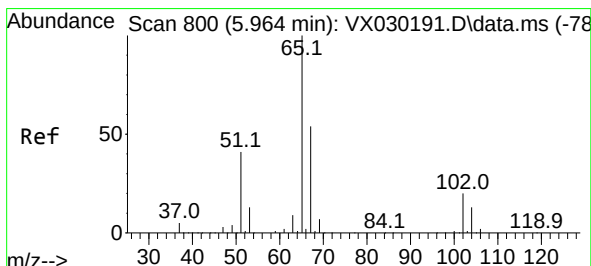
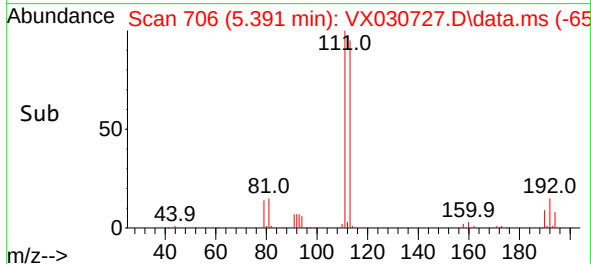
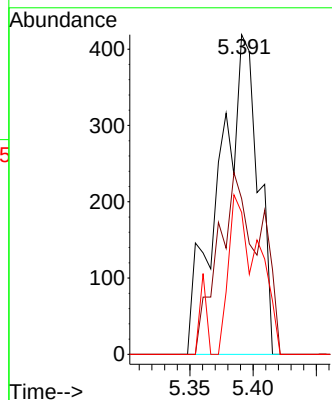
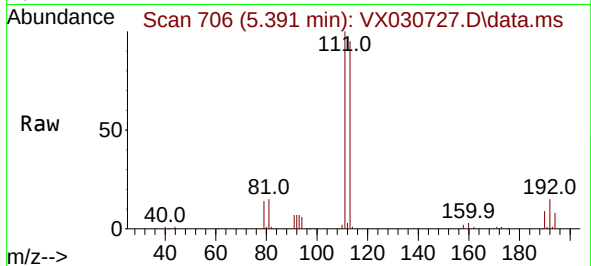




#32
1,1,1-Trichloroethane
Concen: 0.257 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

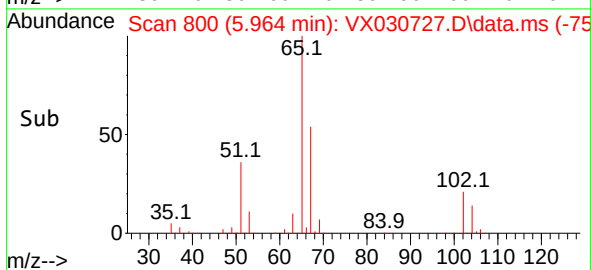
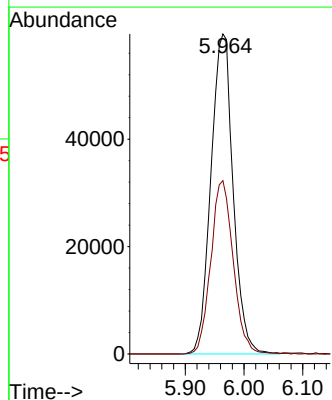
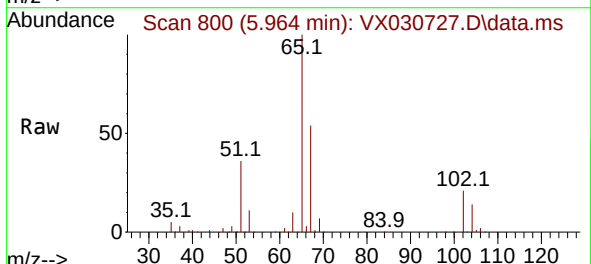
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

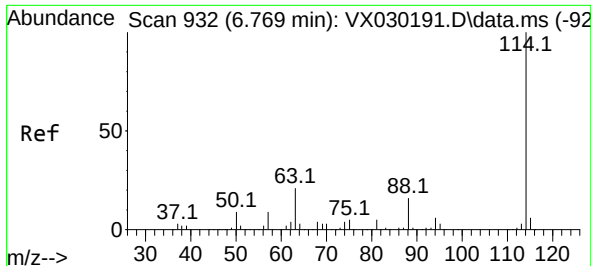
Tgt Ion: 97 Resp: 894
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.0#
61 37.9 35.8 53.8



#33
1,2-Dichloroethane-d4
Concen: 58.296 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 65 Resp: 156385
Ion Ratio Lower Upper
65 100
67 54.7 0.0 109.6

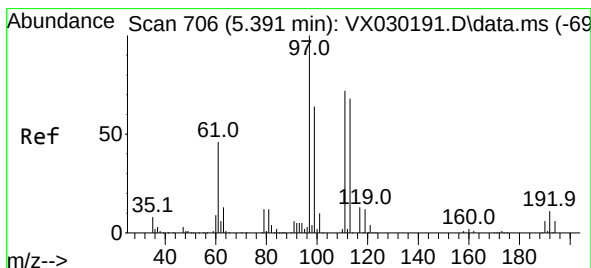
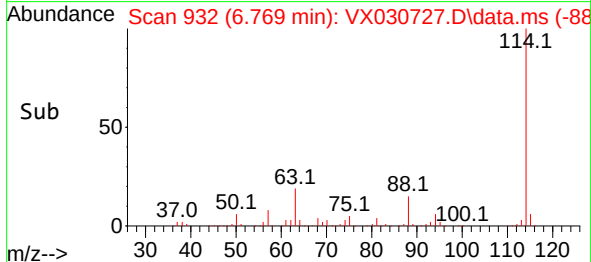
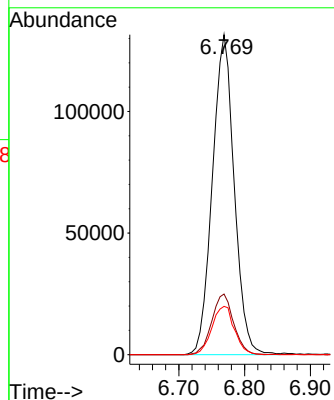
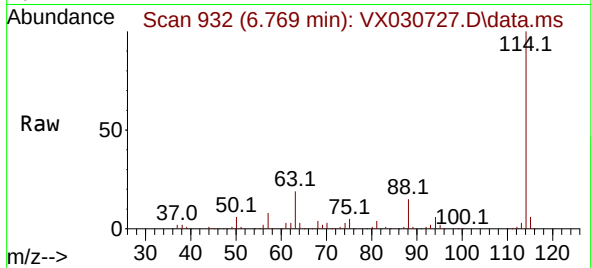




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

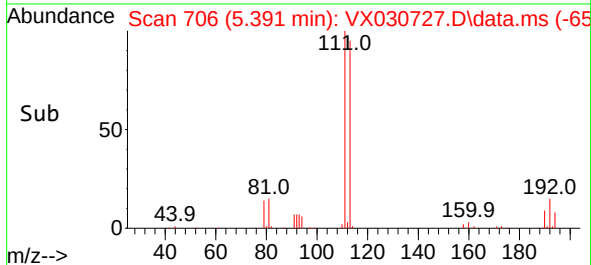
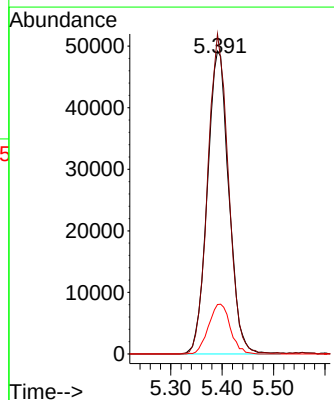
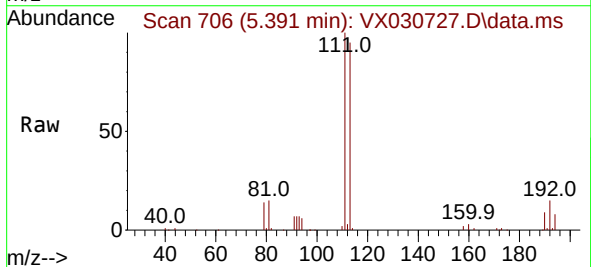
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

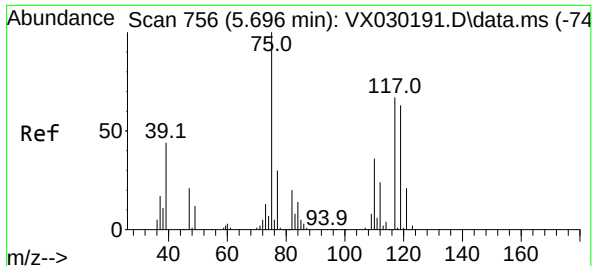
Tgt Ion:114 Resp: 303779
Ion Ratio Lower Upper
114 100
63 18.9 0.0 38.4
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.049 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion:113 Resp: 142436
Ion Ratio Lower Upper
113 100
111 102.1 83.2 124.8
192 16.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 2.640 ug/l

RT: 5.562 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX030727.D

Acq: 23 Aug 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20220816

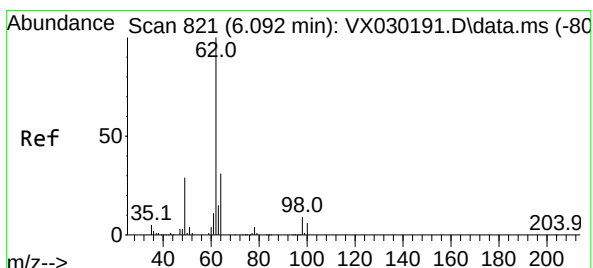
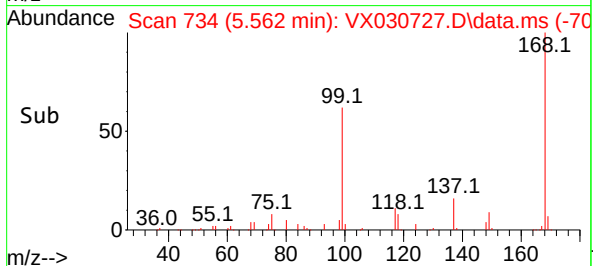
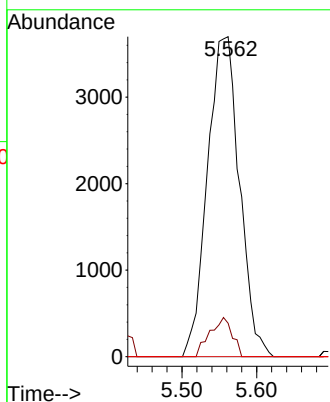
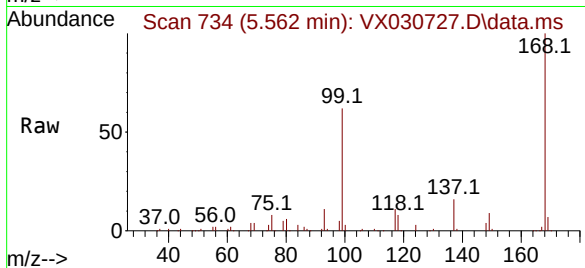
Tgt Ion: 75 Resp: 11032

Ion Ratio Lower Upper

75 100

110 8.5 19.3 57.9#

77 0.0 24.4 36.6#



#42

1,2-Dichloroethane

Concen: 0.419 ug/l

RT: 6.098 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX030727.D

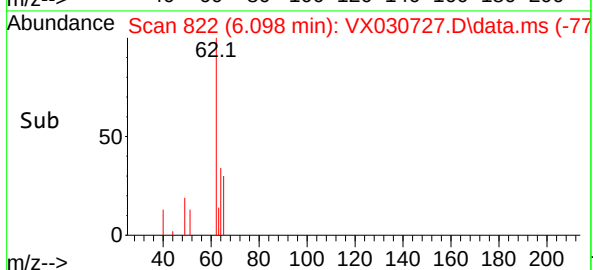
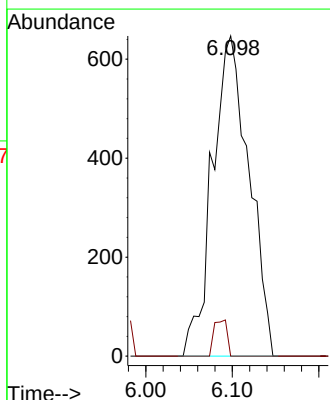
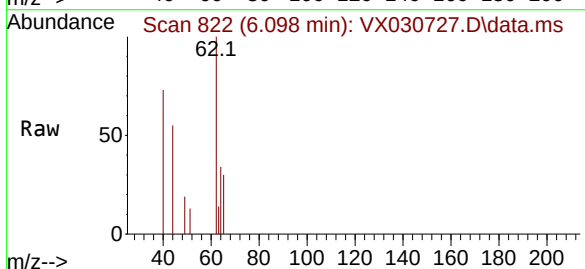
Acq: 23 Aug 2022 13:21

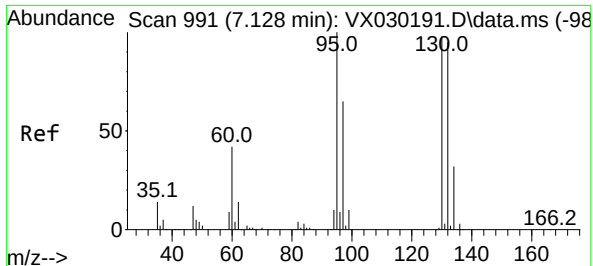
Tgt Ion: 62 Resp: 1902

Ion Ratio Lower Upper

62 100

98 4.0 0.0 20.2

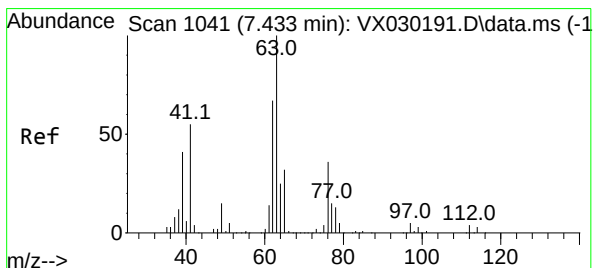
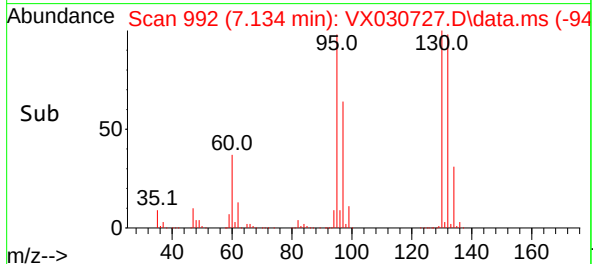
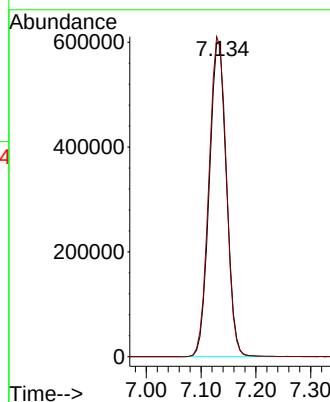
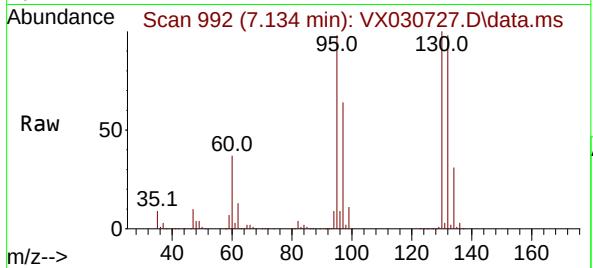




#44
Trichloroethene
Concen: 363.412 ug/l
RT: 7.134 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

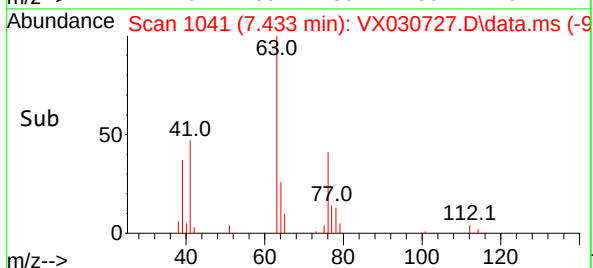
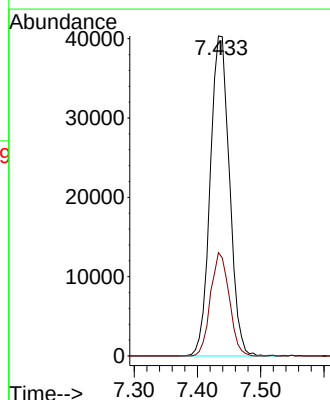
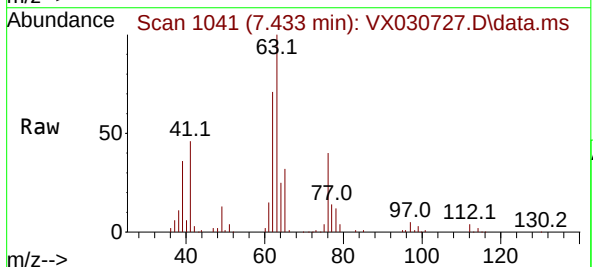
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

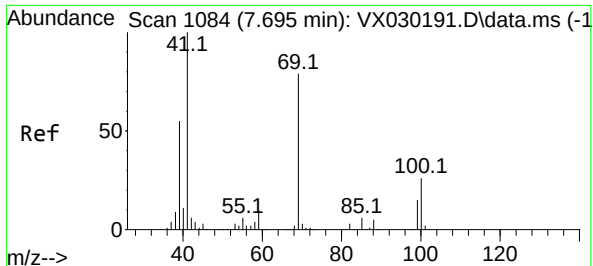
Tgt Ion:130 Resp: 1305682
Ion Ratio Lower Upper
130 100
95 98.1 0.0 194.8



#45
1,2-Dichloropropane
Concen: 24.358 ug/l
RT: 7.433 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 63 Resp: 85422
Ion Ratio Lower Upper
63 100
65 32.3 25.2 37.8





#48

Methyl methacrylate

Concen: 8.779 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.262 min

Lab File: VX030727.D

Acq: 23 Aug 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :

MW17811-20220816

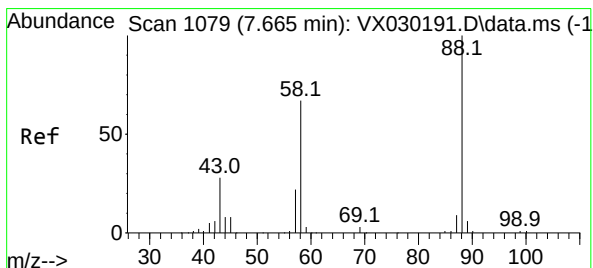
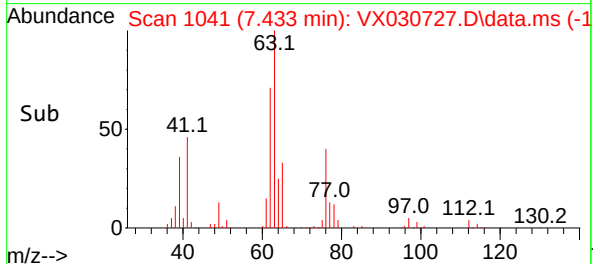
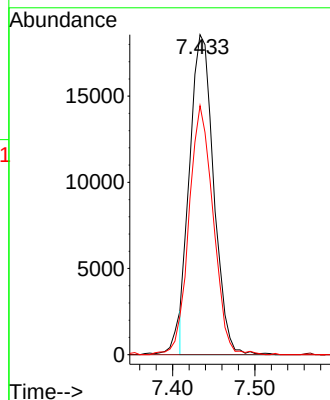
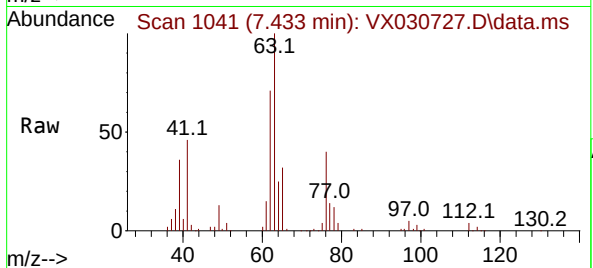
Tgt Ion: 41 Resp: 37487

Ion Ratio Lower Upper

41 100

69 0.0 68.8 103.2#

39 75.6 44.6 66.8#



#49

1,4-Dioxane

Concen: 4.715 ug/l

RT: 7.714 min Scan# 1087

Delta R.T. 0.049 min

Lab File: VX030727.D

Acq: 23 Aug 2022 13:21

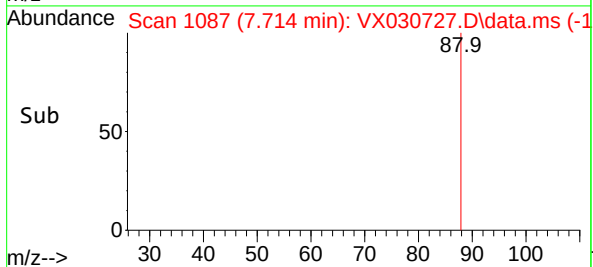
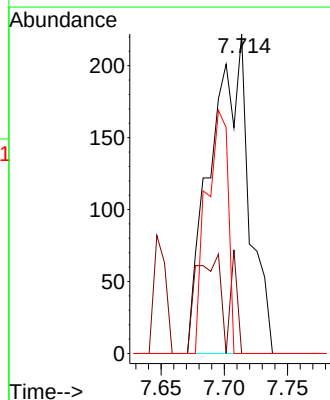
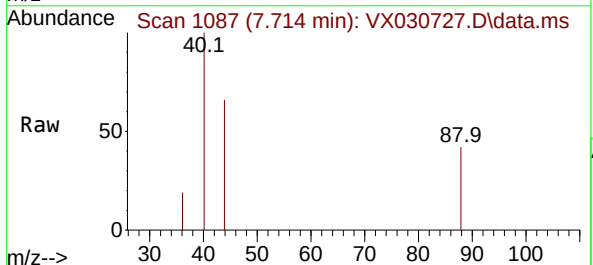
Tgt Ion: 88 Resp: 465

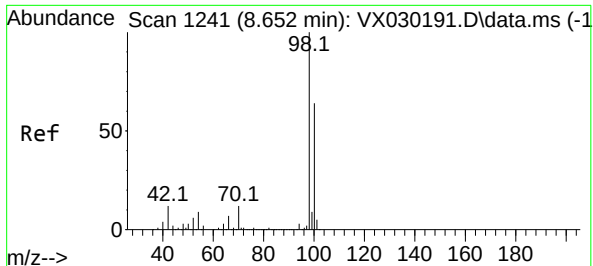
Ion Ratio Lower Upper

88 100

43 25.2 23.8 35.8

58 43.0 53.8 80.6#

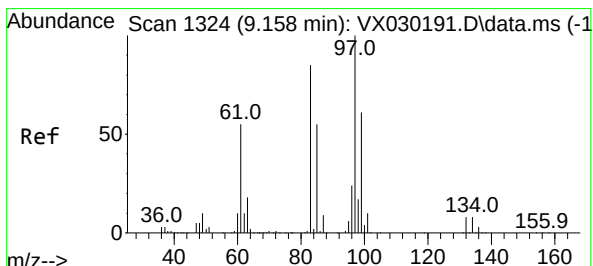
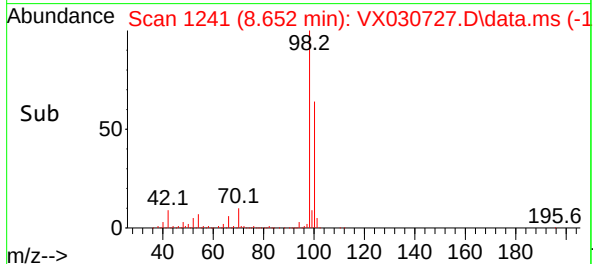
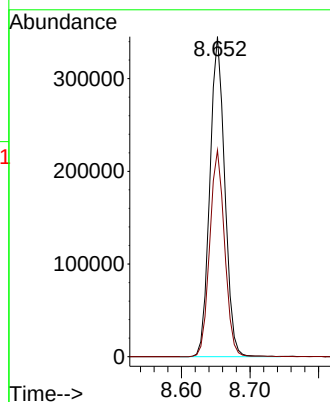
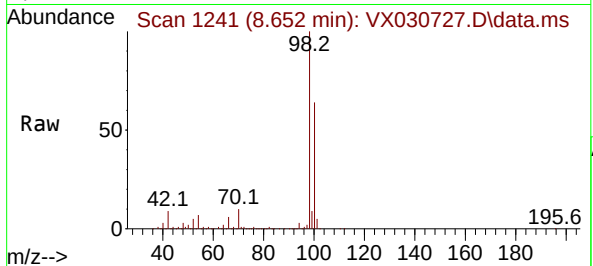




#50
Toluene-d8
Concen: 46.373 ug/l
RT: 8.652 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

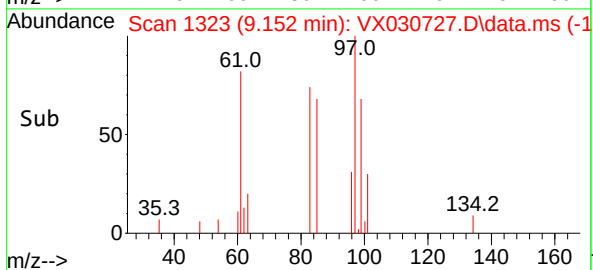
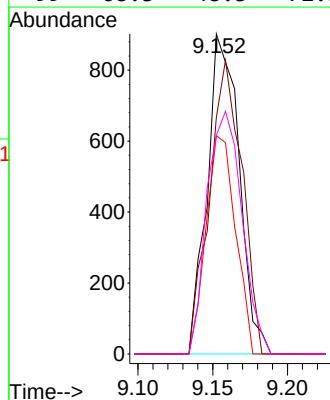
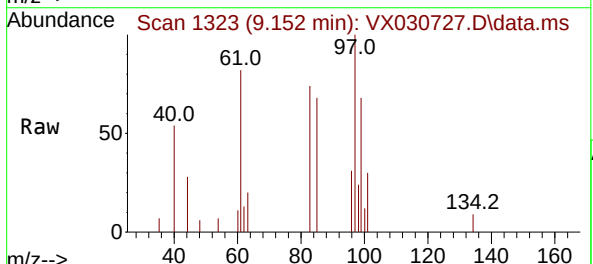
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

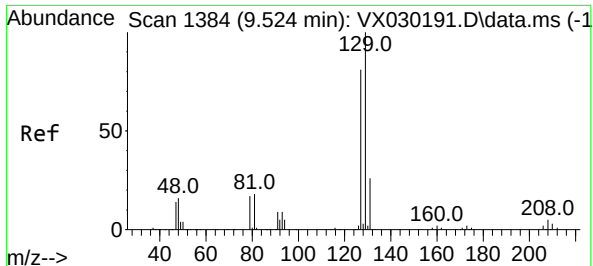
Tgt Ion: 98 Resp: 521512
Ion Ratio Lower Upper
98 100
100 64.6 52.3 78.5



#55
1,1,2-Trichloroethane
Concen: 0.392 ug/l
RT: 9.152 min Scan# 1323
Delta R.T. -0.006 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 97 Resp: 1339
Ion Ratio Lower Upper
97 100
83 73.9 68.9 103.3
85 68.2 44.0 66.0#
99 68.3 48.3 72.5

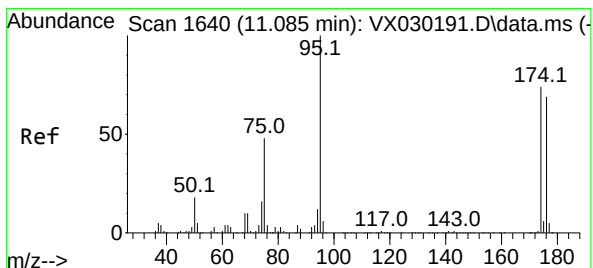
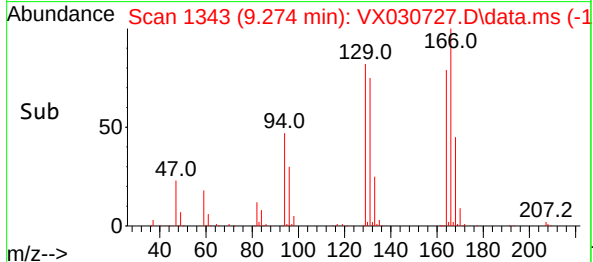
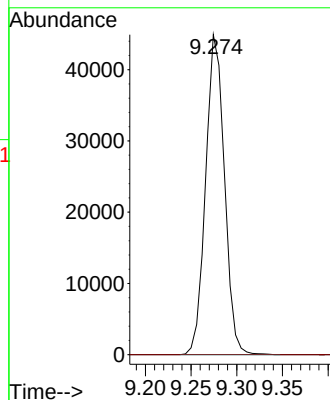
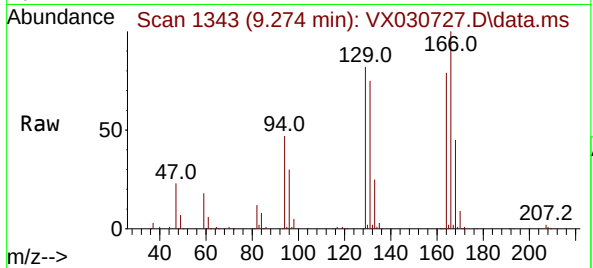




#60
Dibromochloromethane
Concen: 20.297 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

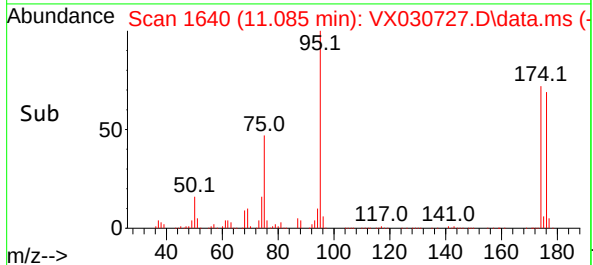
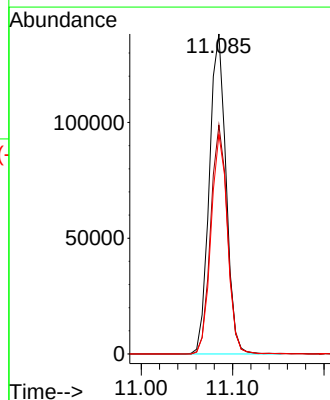
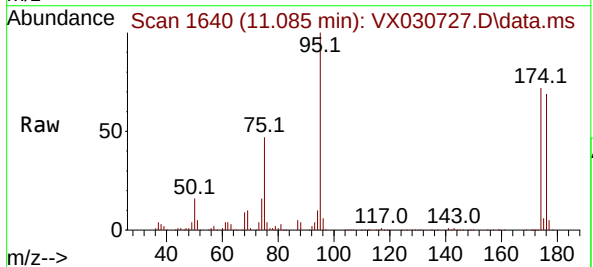
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

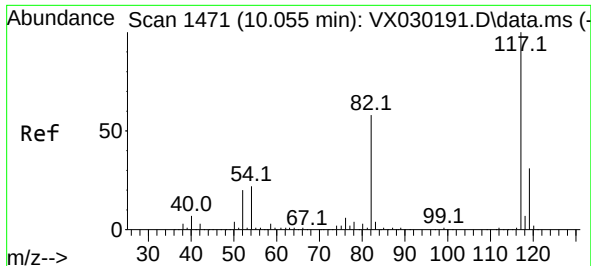
Tgt Ion:129 Resp: 64177
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 41.900 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 95 Resp: 174877
Ion Ratio Lower Upper
95 100
174 71.8 0.0 149.0
176 68.0 0.0 146.0

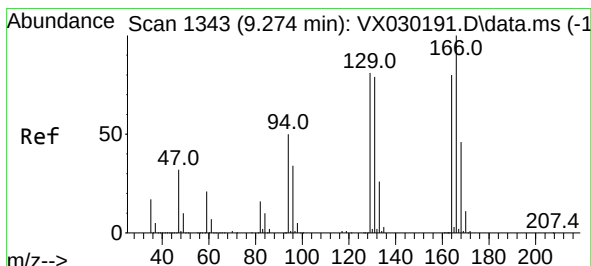
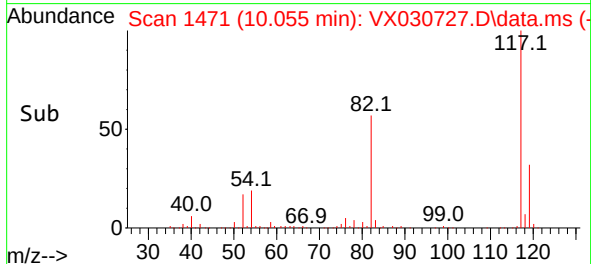
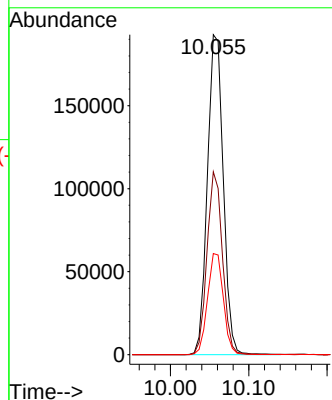
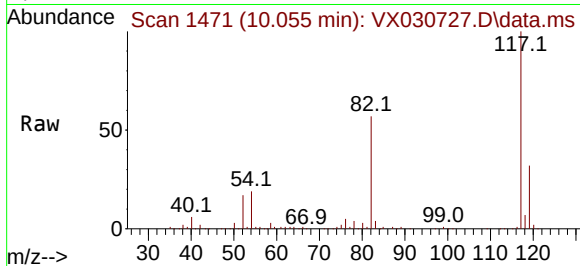




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

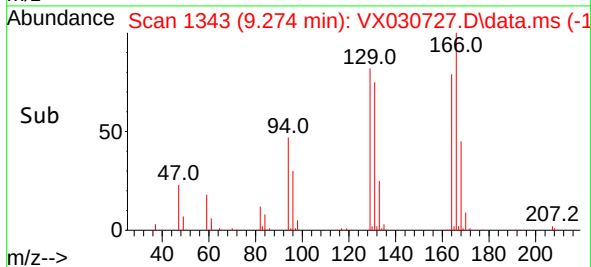
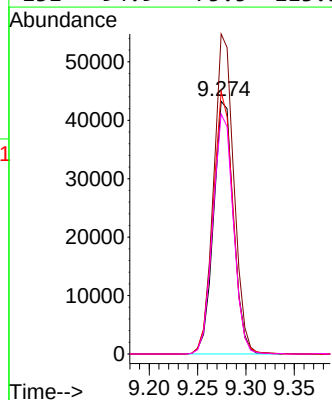
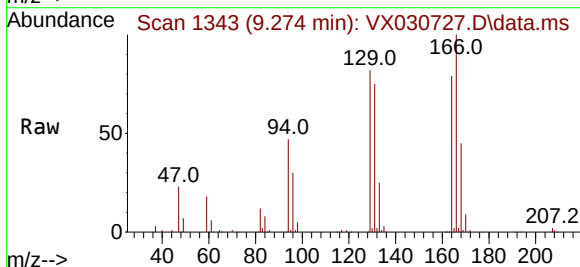
Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

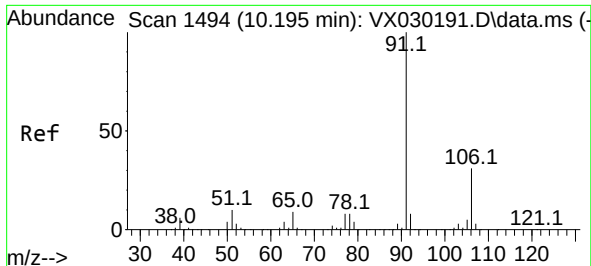
Tgt Ion:117 Resp: 270849
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 21.120 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion:164 Resp: 61585
Ion Ratio Lower Upper
164 100
166 126.7 98.2 147.4
129 103.8 80.8 121.2
131 94.9 75.5 113.3





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX030727.D

Acq: 23 Aug 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :

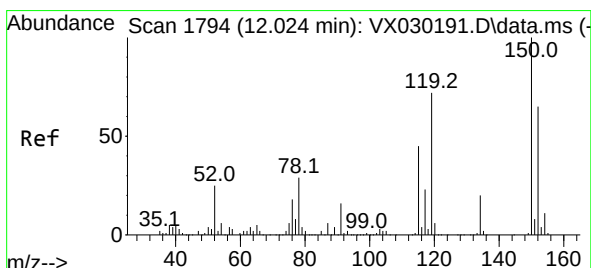
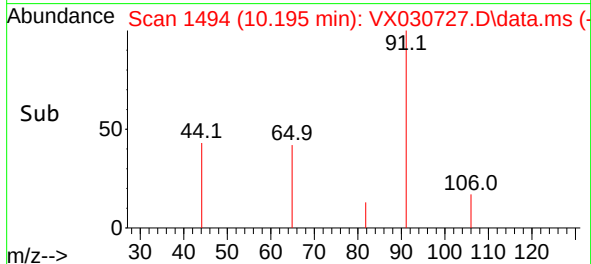
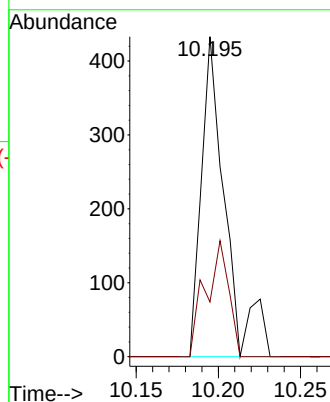
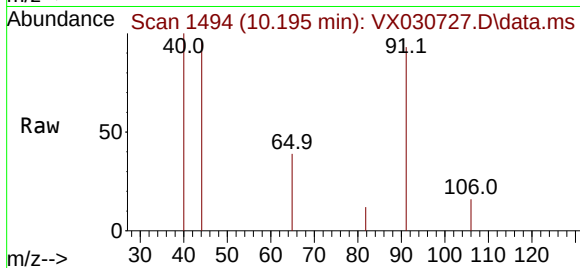
MW17811-20220816

Tgt Ion: 91 Resp: 440

Ion Ratio Lower Upper

91 100

106 17.1 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: VX030727.D

Acq: 23 Aug 2022 13:21

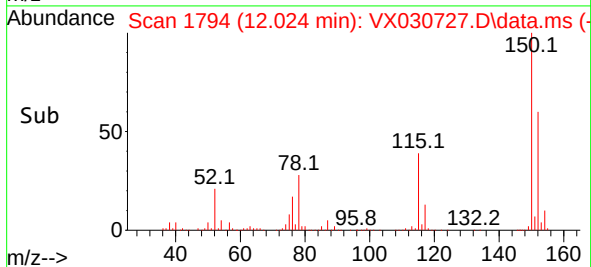
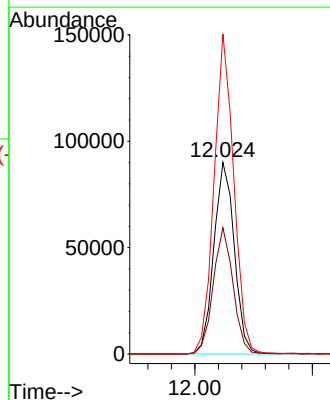
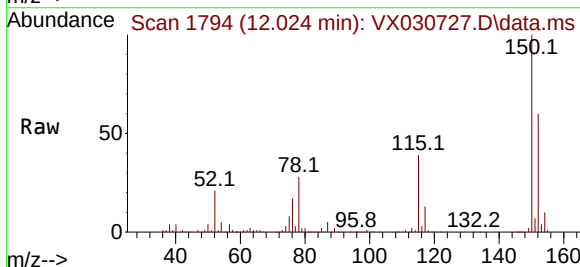
Tgt Ion:152 Resp: 108812

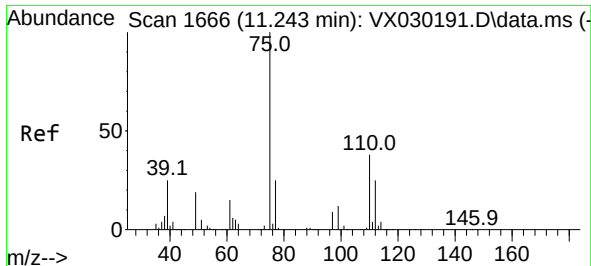
Ion Ratio Lower Upper

152 100

115 64.1 40.5 121.5

150 161.2 0.0 347.0

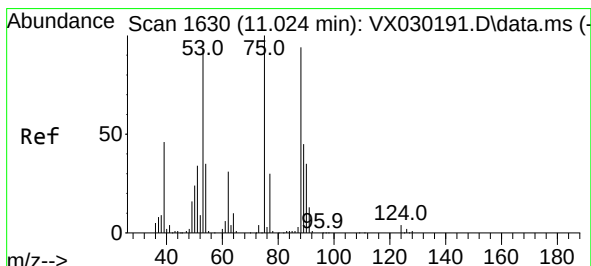
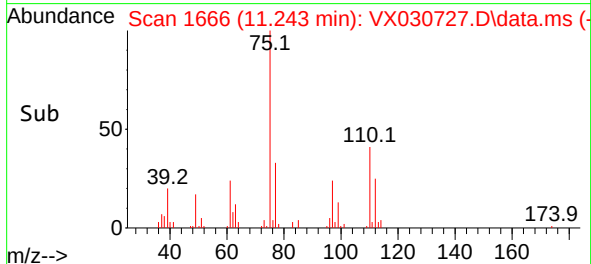
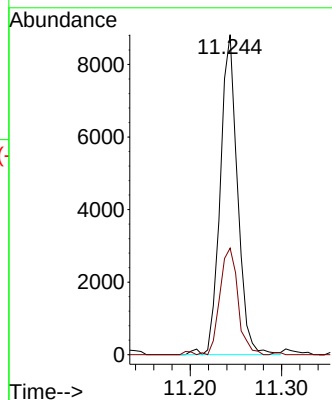
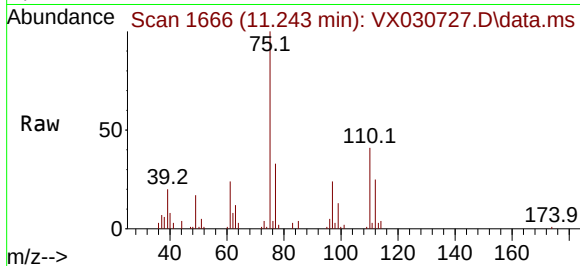




#76
1,2,3-Trichloropropane
Concen: 4.054 ug/l
RT: 11.243 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Instrument :
MSVOA_X
ClientSampleId :
MW17811-20220816

Tgt Ion: 75 Resp: 11627
Ion Ratio Lower Upper
75 100
77 34.6 19.8 59.3



#81
trans-1,4-Dichloro-2-butene
Concen: 86.577 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030727.D
Acq: 23 Aug 2022 13:21

Tgt Ion: 75 Resp: 82776
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#

