

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031122\
 Data File : VX027402.D
 Acq On : 11 Mar 2022 15:19
 Operator : JC/MD
 Sample : N1895-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-119

Quant Time: Mar 11 23:12:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

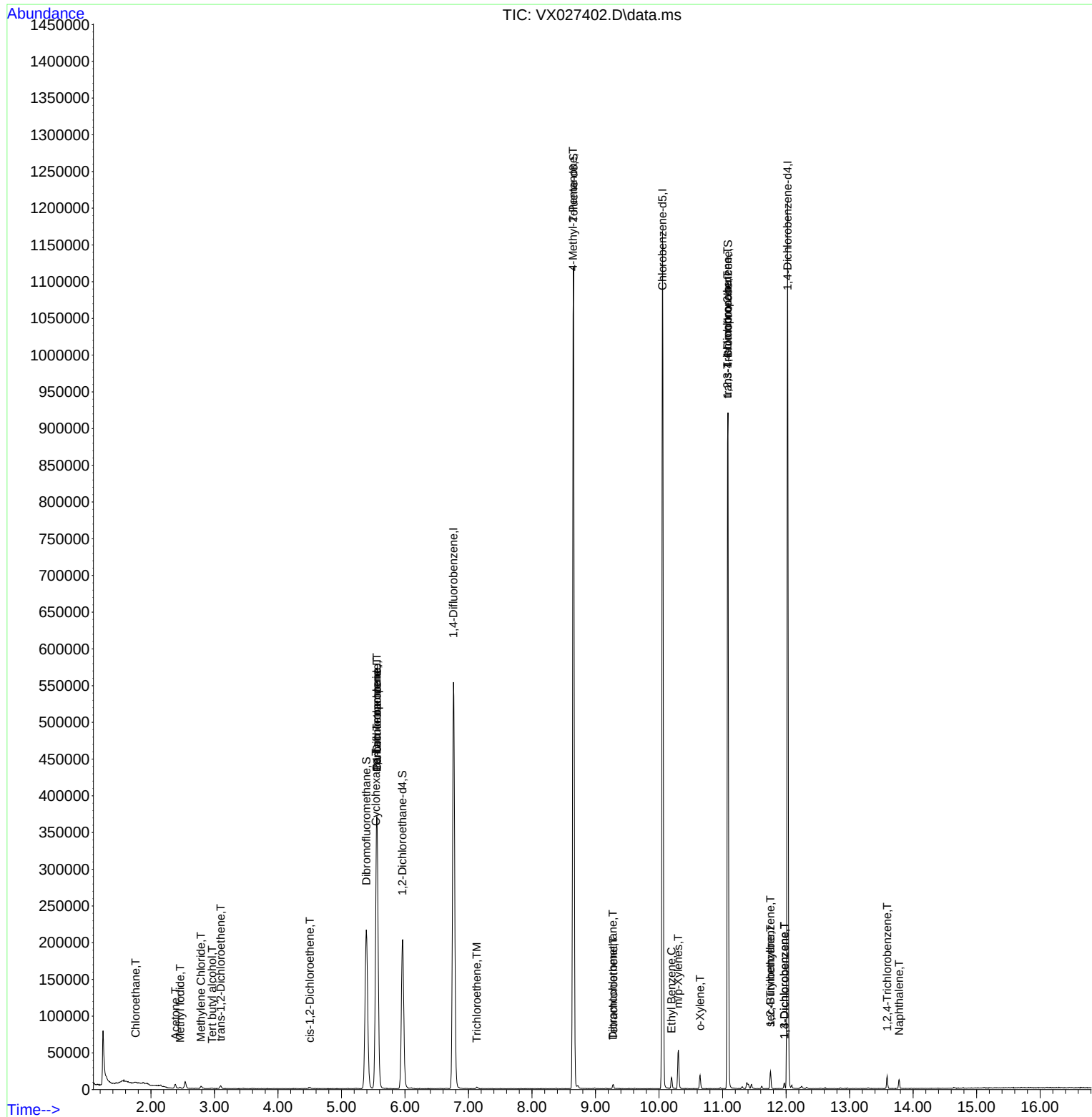
Internal Standards						
1) Pentafluorobenzene	5.556	168	384882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	617587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	571812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	193816	43.182	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	86.360%
35) Dibromofluoromethane	5.391	113	195410	49.036	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.080%
50) Toluene-d8	8.653	98	721276	47.942	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	95.880%
62) 4-Bromofluorobenzene	11.085	95	262772	45.827	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.660%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	431	Below Cal		88
6) Chloroethane	1.758	64	296	0.563	ug/l #	43
10) Methyl Iodide	2.459	142	1372	0.250	ug/l	91
11) Tert butyl alcohol	2.965	59	582	0.661	ug/l #	72
16) Acetone	2.386	43	5769	0.433	ug/l	94
20) Methylene Chloride	2.788	84	1502	0.343	ug/l #	89
21) trans-1,2-Dichloroethene	3.099	96	1491	0.359	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	1039	0.216	ug/l	96
31) Cyclohexane	5.544	56	5449	0.868	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	24118	4.359	ug/l #	50
38) Carbon Tetrachloride	5.556	117	36371	6.357	ug/l #	15
44) Trichloroethene	7.129	130	969	0.209	ug/l	80
51) 4-Methyl-2-Pentanone	8.647	43	2462	0.418	ug/l #	1
60) Dibromochloromethane	9.275	129	1067	0.233	ug/l #	9
64) Tetrachloroethene	9.281	164	1194	0.298	ug/l	91
67) Ethyl Benzene	10.195	91	9495	0.458	ug/l	96
68) m/p-Xylenes	10.299	106	13767	1.692	ug/l	98
69) o-Xylene	10.646	106	4293	0.534	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	119106	20.543	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	119106	66.438	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	11343	0.690	ug/l	99
85) sec-Butylbenzene	11.756	105	11343	0.568	ug/l #	56
87) 1,3-Dichlorobenzene	11.975	146	2793	0.305	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	2793	0.301	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	4472	0.754	ug/l	96
95) Naphthalene	13.780	128	8744	0.439	ug/l	98

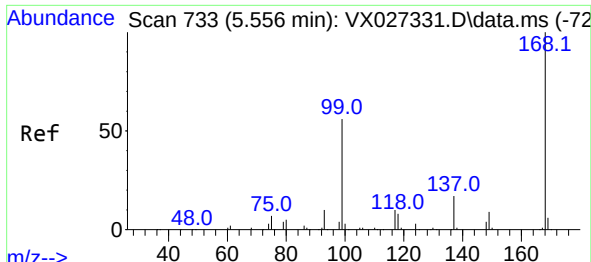
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration

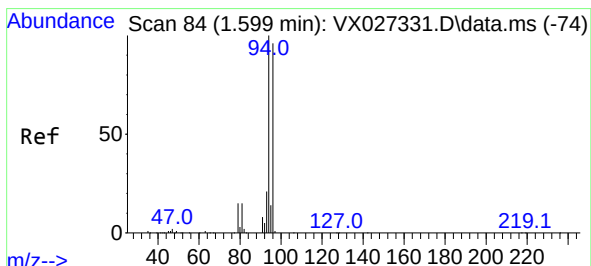
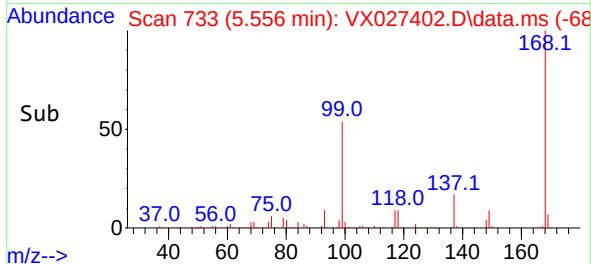
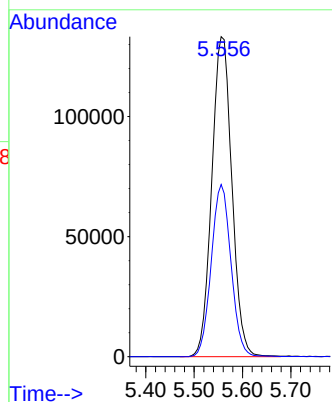
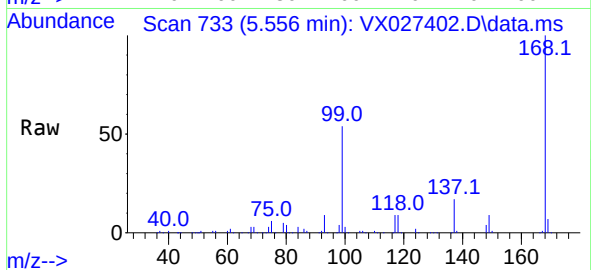




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

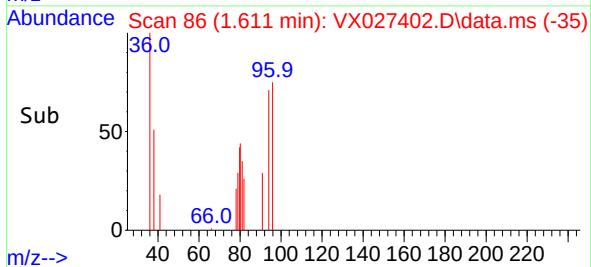
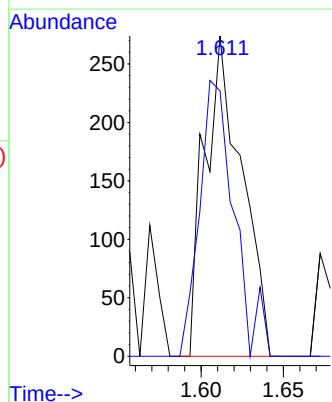
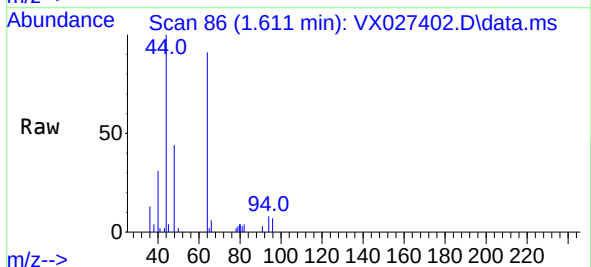
Instrument :
MSVOA_X
ClientSampleId :
MW-119

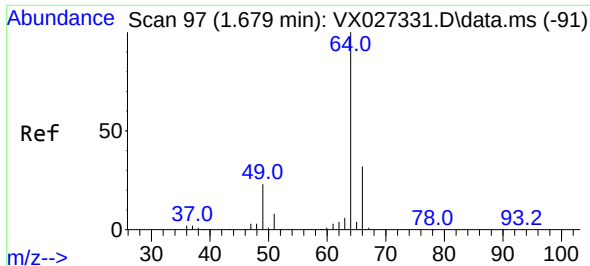
Tgt Ion:168 Resp: 384882
Ion Ratio Lower Upper
168 100
99 53.8 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 82.8 75.3 112.9

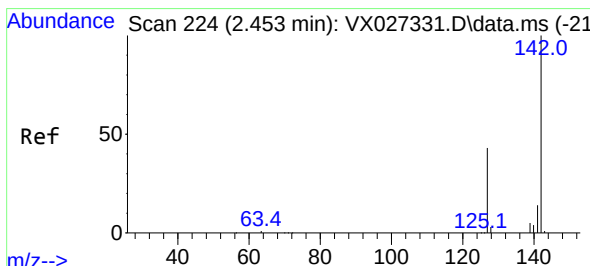
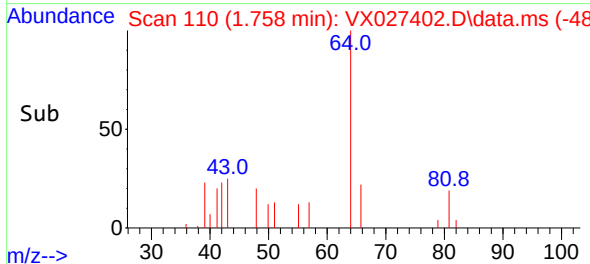
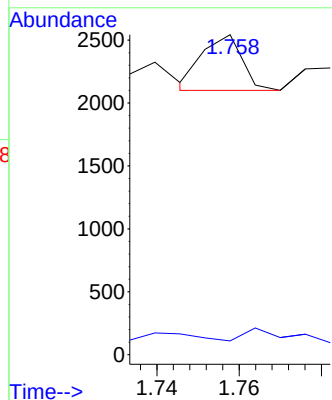
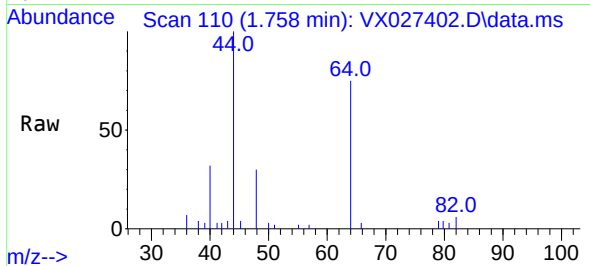




#6
Chloroethane
Concen: 0.563 ug/l
RT: 1.758 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

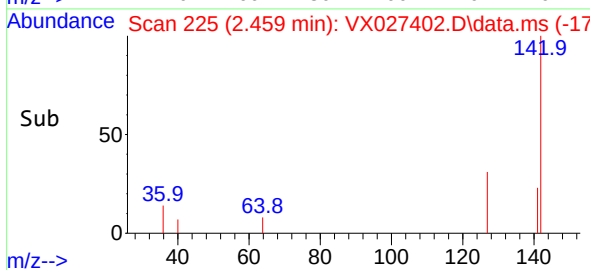
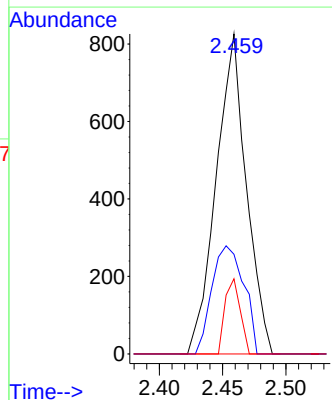
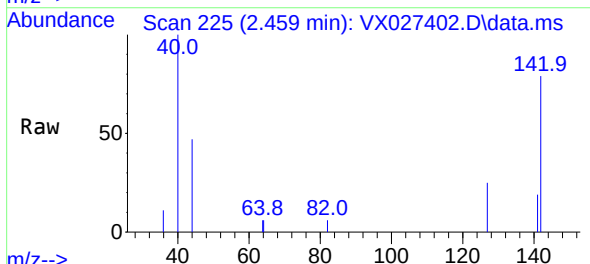
Instrument :
MSVOA_X
ClientSampleId :
MW-119

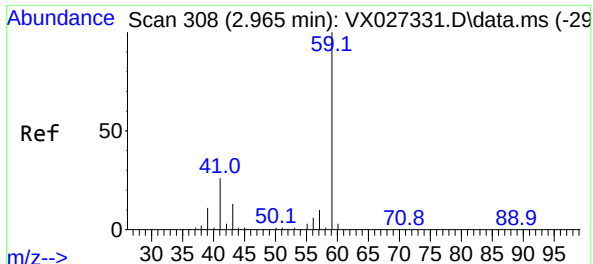
Tgt Ion: 64 Resp: 296
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.250 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion:142 Resp: 1372
Ion Ratio Lower Upper
142 100
127 35.7 33.9 50.9
141 11.7 11.4 17.2

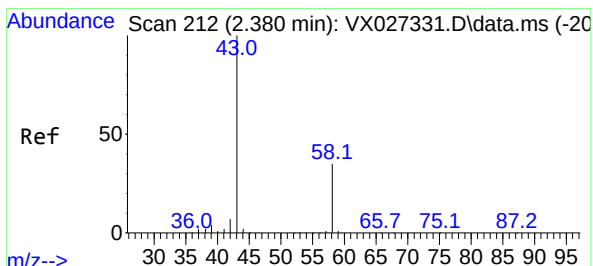
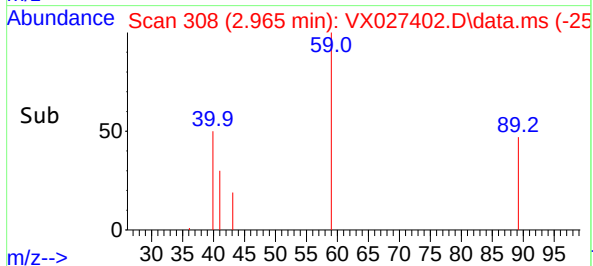
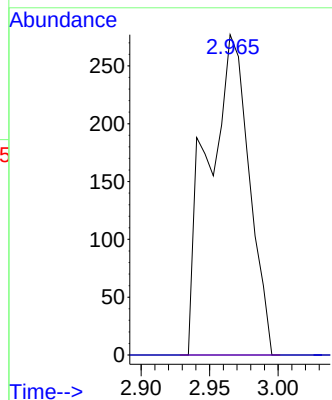
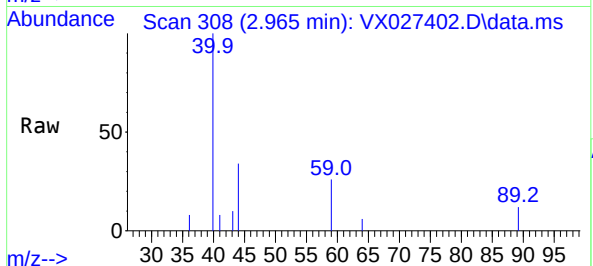




#11
Tert butyl alcohol
Concen: 0.661 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

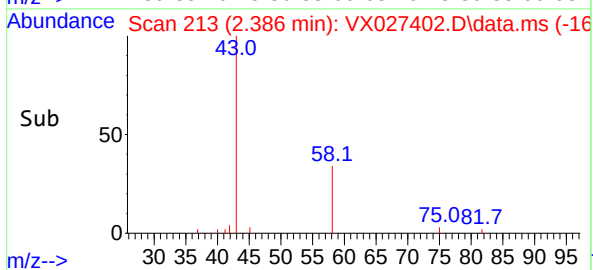
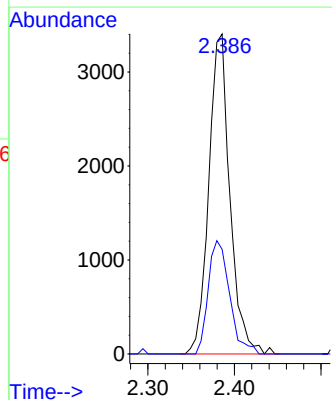
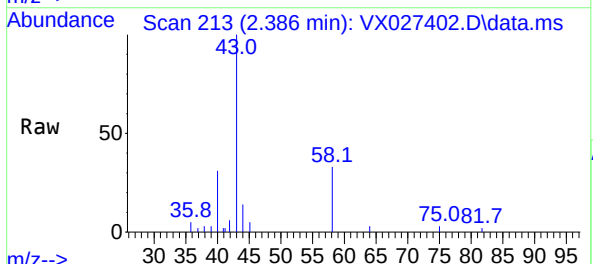
Instrument :
MSVOA_X
ClientSampleId :
MW-119

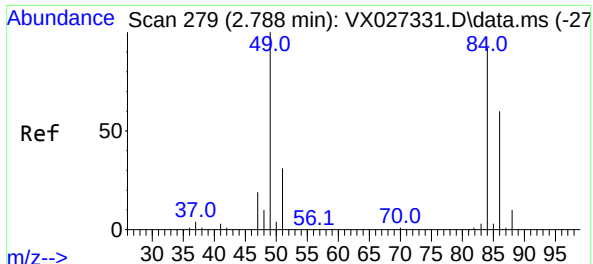
Tgt Ion: 59 Resp: 582
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.433 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion: 43 Resp: 5769
Ion Ratio Lower Upper
43 100
58 32.7 28.8 43.2





#20

Methylene Chloride

Concen: 0.343 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

MW-119

Tgt Ion: 84 Resp: 1502

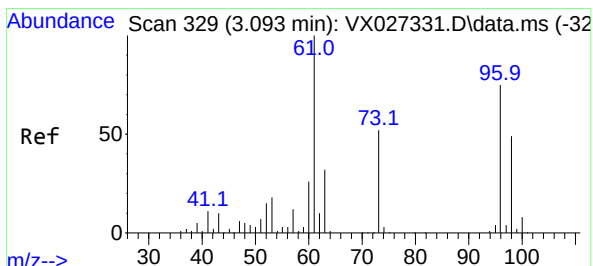
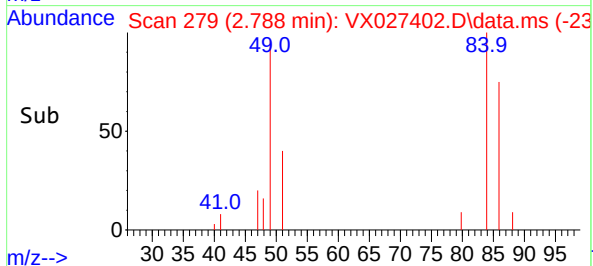
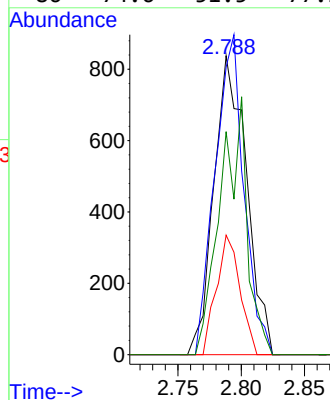
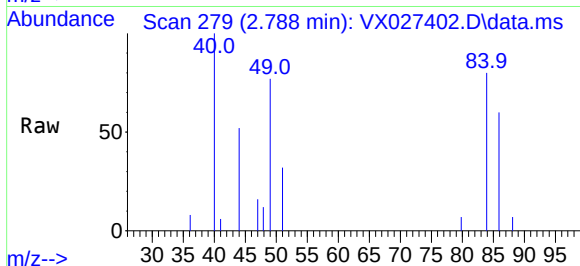
Ion Ratio Lower Upper

84 100

49 96.2 85.5 128.3

51 40.0 26.6 39.8#

86 74.6 51.5 77.3



#21

trans-1,2-Dichloroethene

Concen: 0.359 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

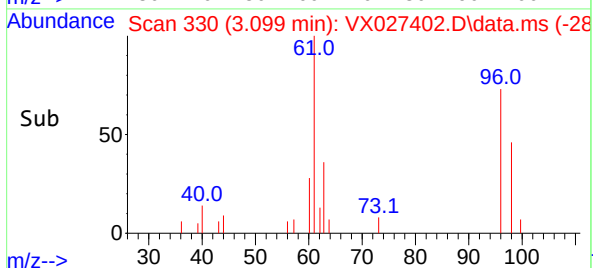
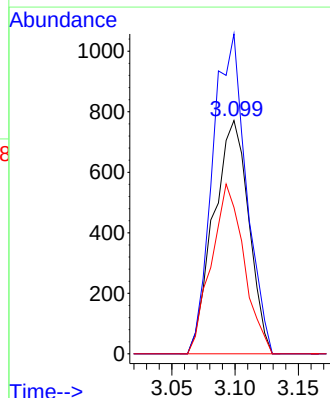
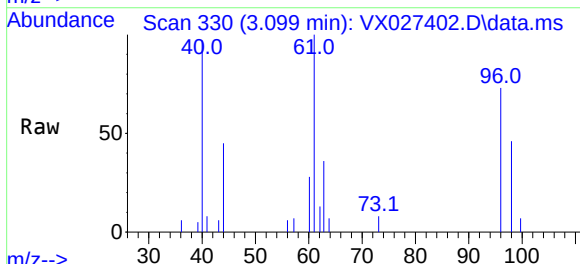
Tgt Ion: 96 Resp: 1491

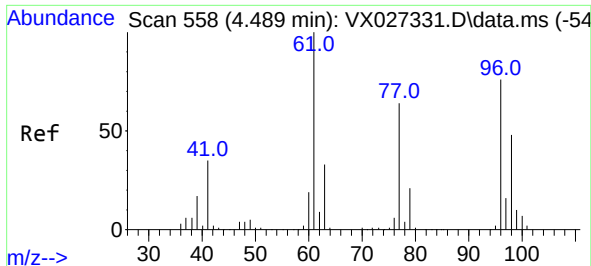
Ion Ratio Lower Upper

96 100

61 137.1 105.4 158.2

98 62.8 50.0 75.0

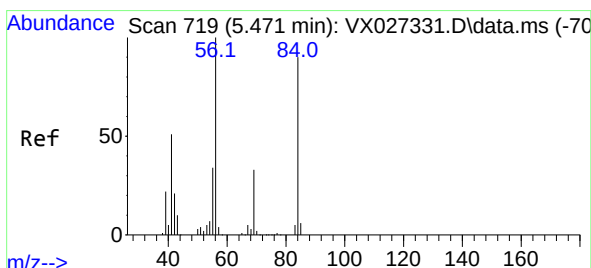
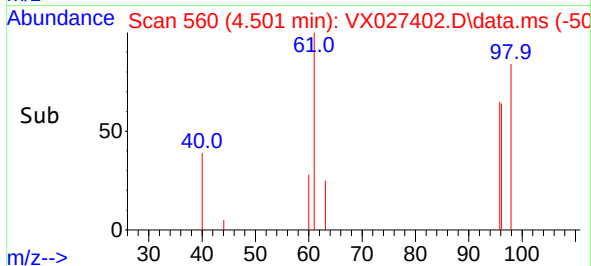
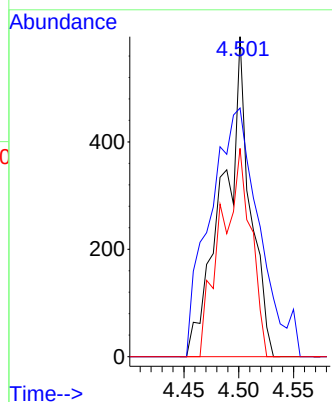
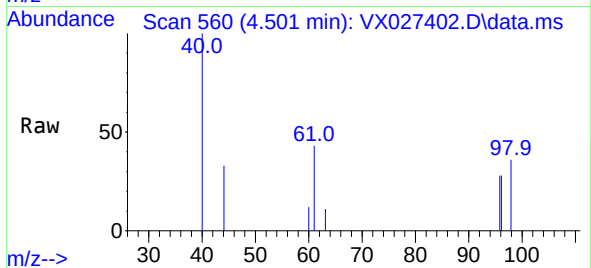




#27
cis-1,2-Dichloroethene
Concen: 0.216 ug/l
RT: 4.501 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

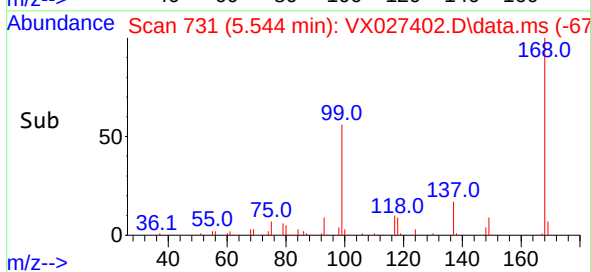
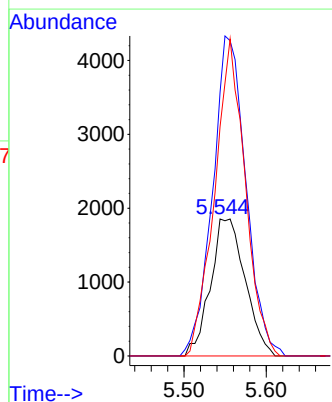
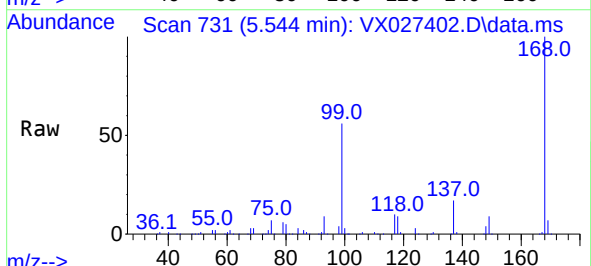
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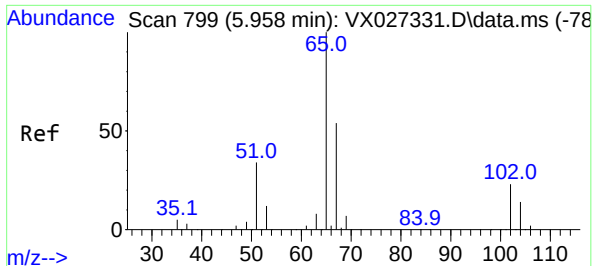
Tgt Ion: 96 Resp: 1039
Ion Ratio Lower Upper
96 100
61 138.9 0.0 283.8
98 70.8 0.0 129.8



#31
Cyclohexane
Concen: 0.868 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion: 56 Resp: 5449
Ion Ratio Lower Upper
56 100
69 192.3 26.7 40.1#
84 167.3 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.182 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

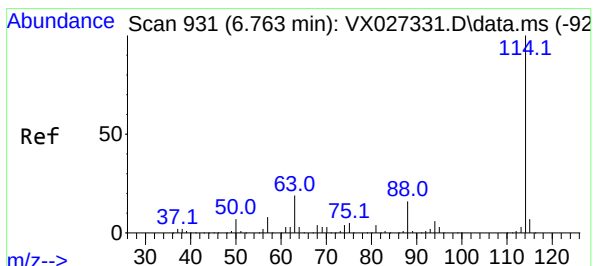
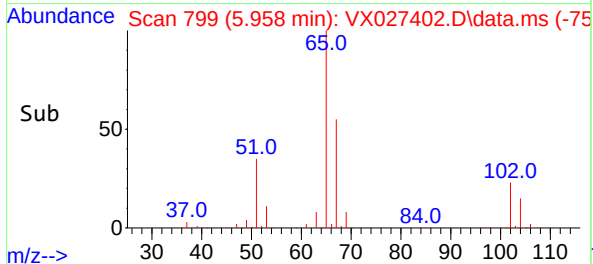
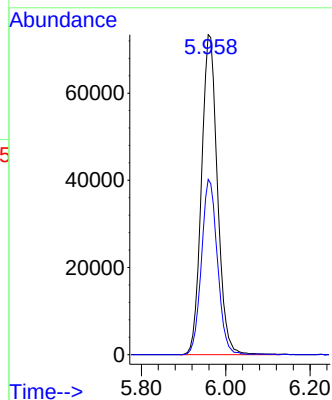
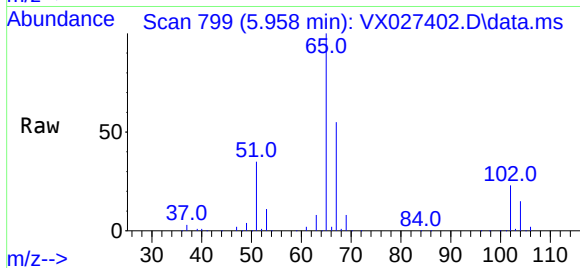
MW-119

Tgt Ion: 65 Resp: 193816

Ion Ratio Lower Upper

65 100

67 54.7 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

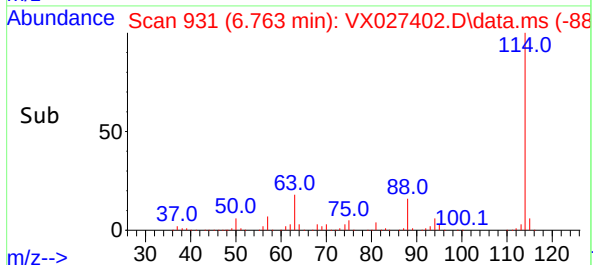
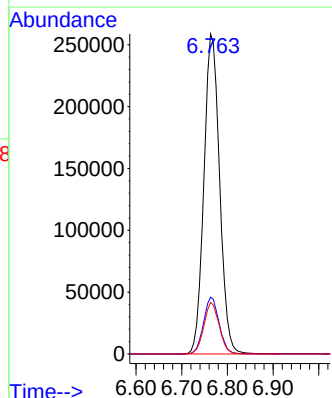
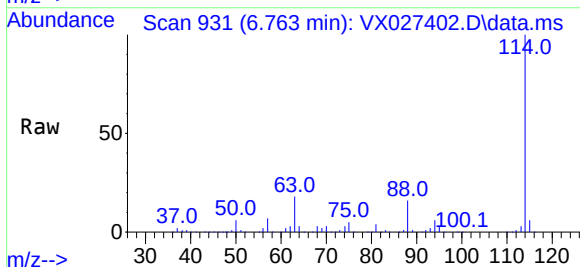
Tgt Ion: 114 Resp: 617587

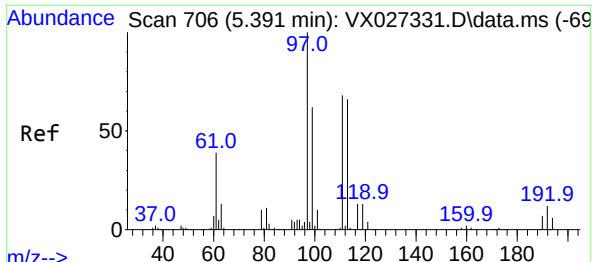
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.036 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

MW-119

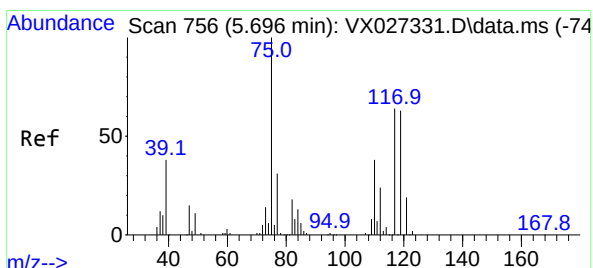
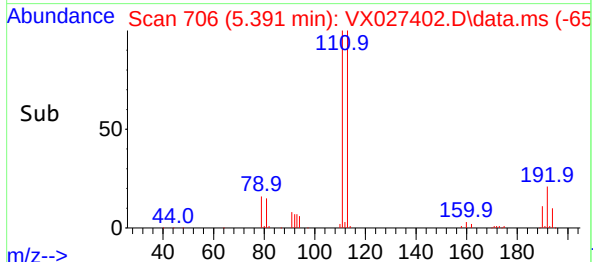
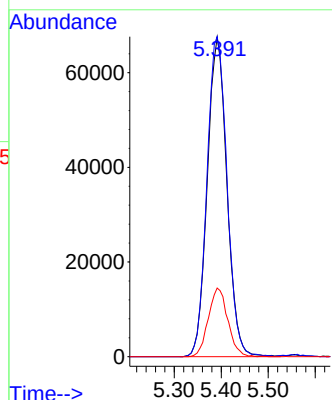
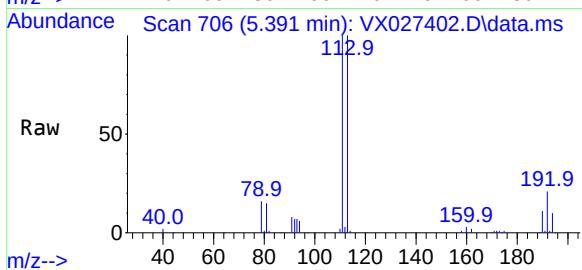
Tgt Ion:113 Resp: 195410

Ion Ratio Lower Upper

113 100

111 102.5 82.8 124.2

192 21.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.359 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

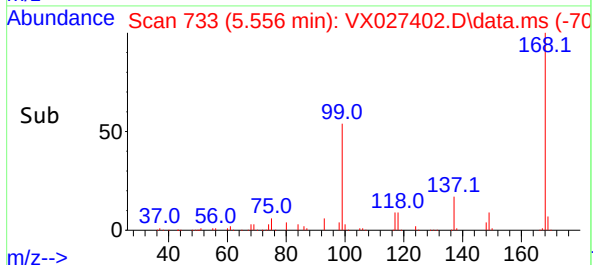
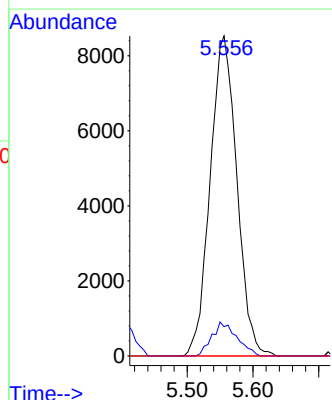
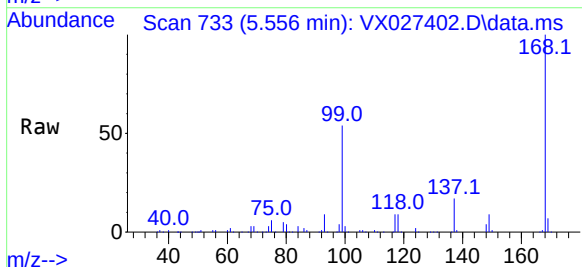
Tgt Ion: 75 Resp: 24118

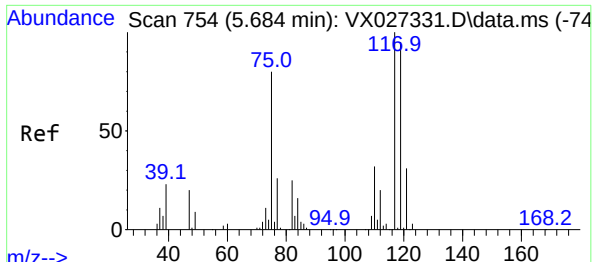
Ion Ratio Lower Upper

75 100

110 9.9 18.3 54.8#

77 0.0 24.8 37.2#

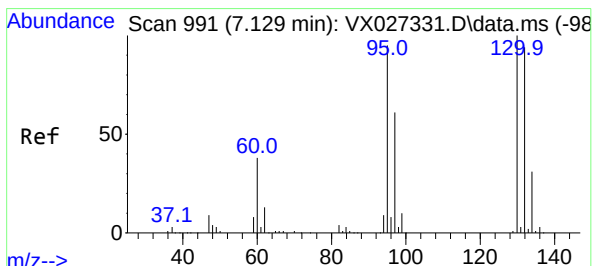
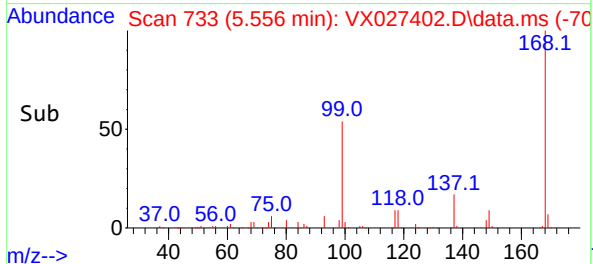
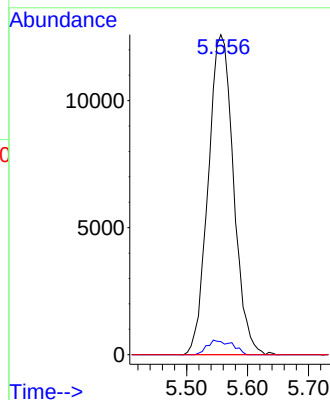
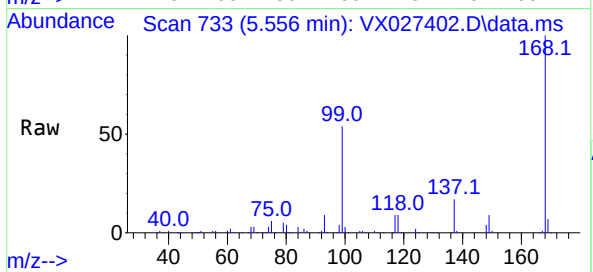




#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

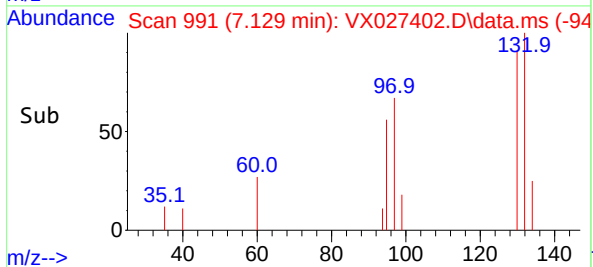
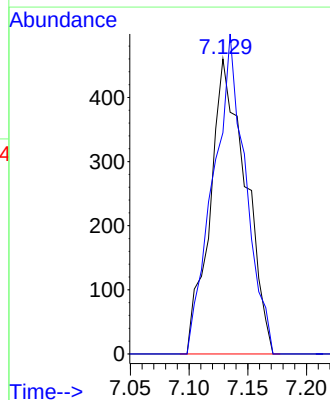
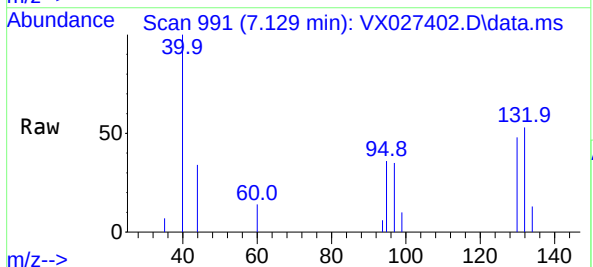
Instrument :
MSVOA_X
ClientSampleId :
MW-119

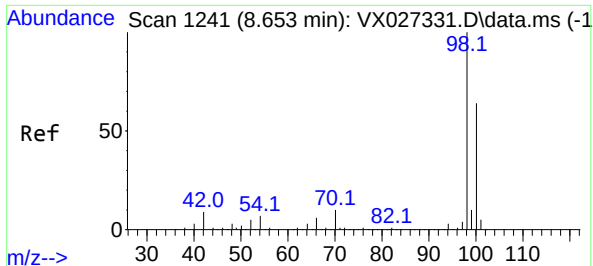
Tgt Ion:117 Resp: 36371
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.209 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion:130 Resp: 969
Ion Ratio Lower Upper
130 100
95 75.0 0.0 188.8





#50

Toluene-d8

Concen: 47.942 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

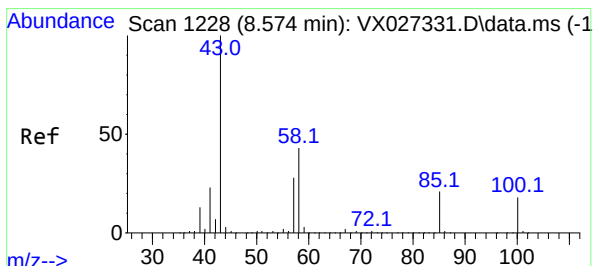
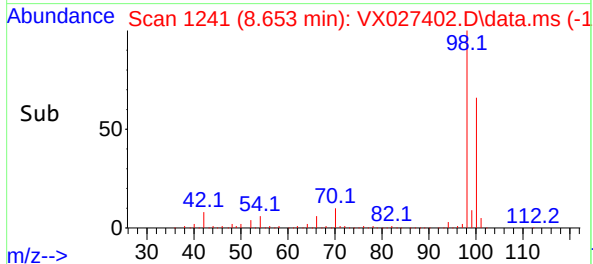
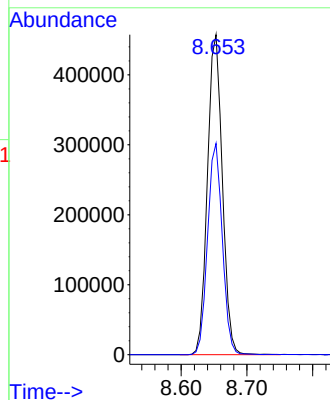
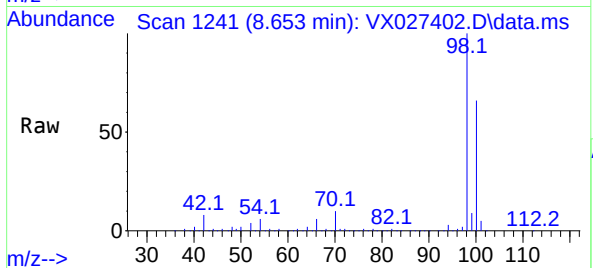
MW-119

Tgt Ion: 98 Resp: 721276

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 0.418 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX027402.D

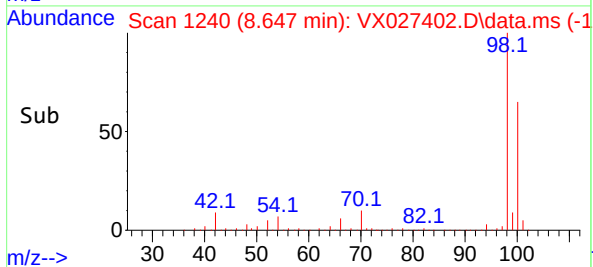
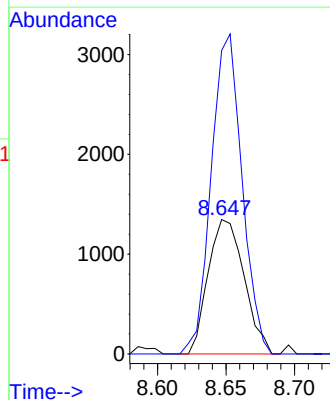
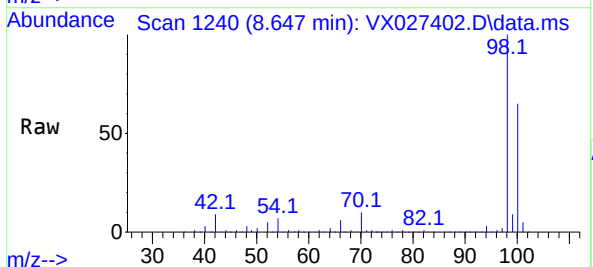
Acq: 11 Mar 2022 15:19

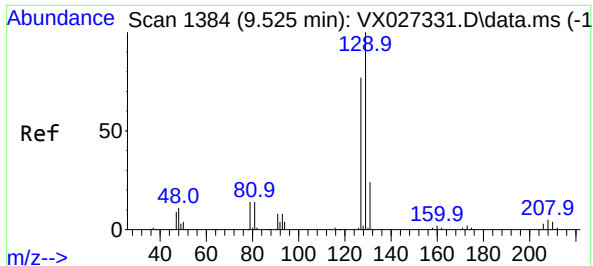
Tgt Ion: 43 Resp: 2462

Ion Ratio Lower Upper

43 100

58 203.8 36.1 54.1#





#60

Dibromochloromethane

Concen: 0.233 ug/l

RT: 9.275 min Scan# 11

Delta R.T. -0.250 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

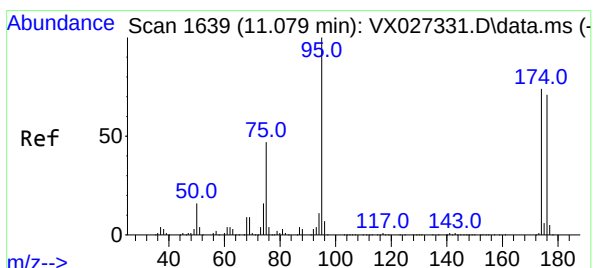
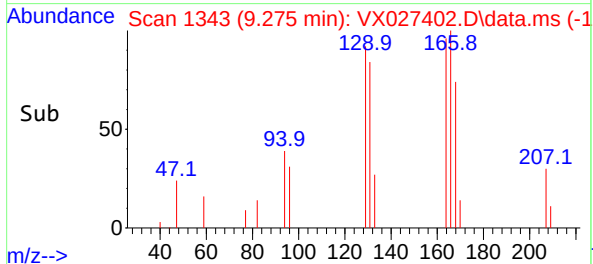
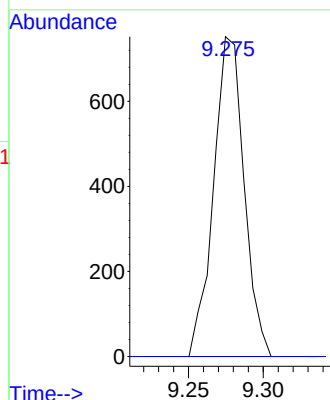
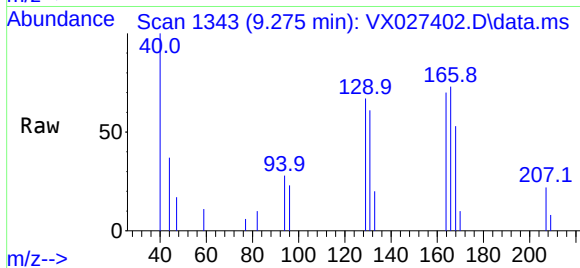
MW-119

Tgt Ion:129 Resp: 1067

Ion Ratio Lower Upper

129 100

127 0.0 40.3 120.8#



#62

4-Bromofluorobenzene

Concen: 45.827 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

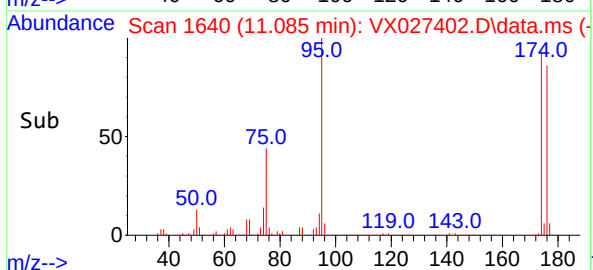
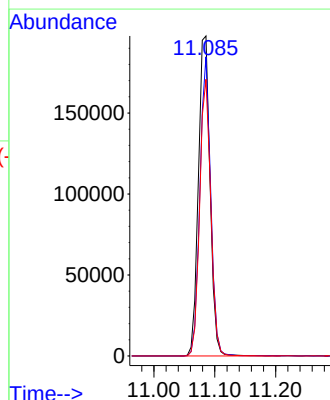
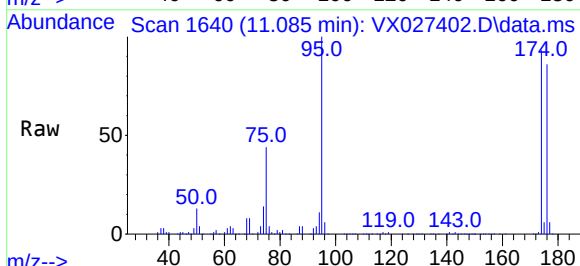
Tgt Ion: 95 Resp: 262772

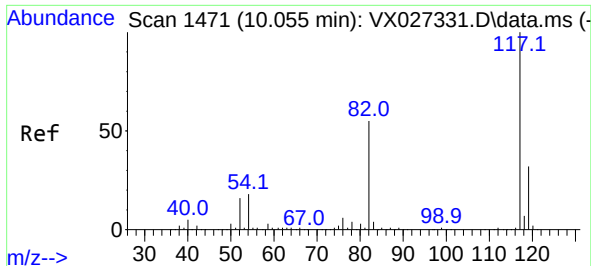
Ion Ratio Lower Upper

95 100

174 86.7 0.0 163.0

176 82.5 0.0 155.0

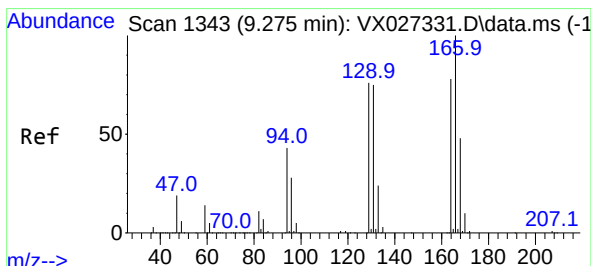
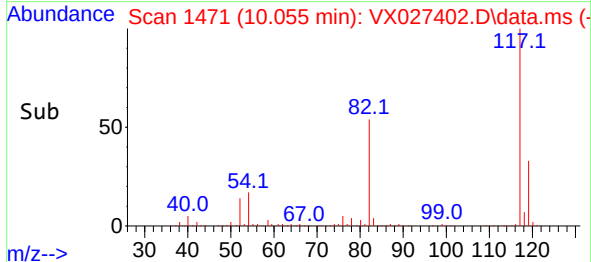
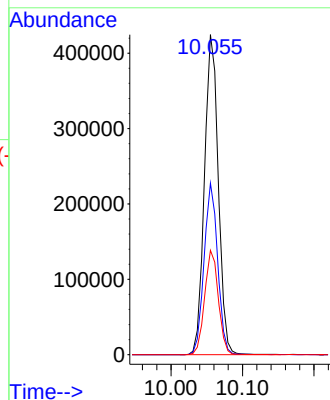
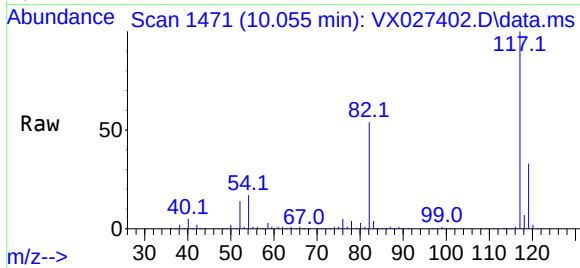




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

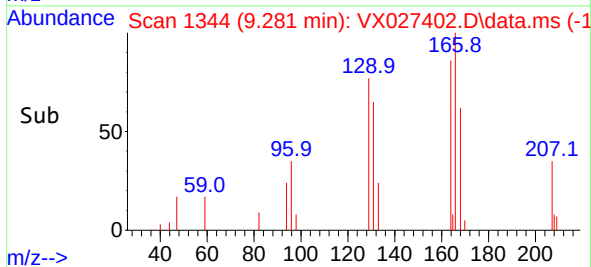
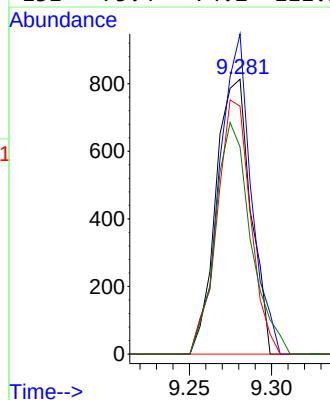
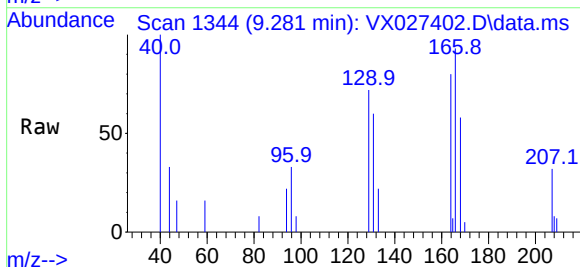
Instrument :
MSVOA_X
ClientSampleId :
MW-119

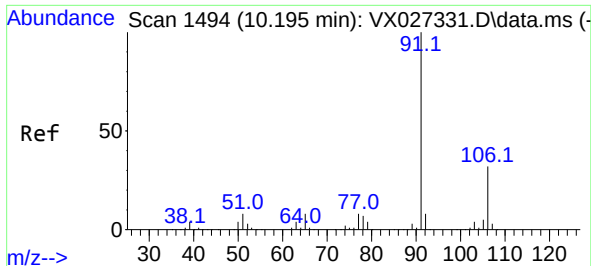
Tgt Ion:117 Resp: 571812
Ion Ratio Lower Upper
117 100
82 53.6 41.8 62.8
119 32.6 24.8 37.2



#64
Tetrachloroethene
Concen: 0.298 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion:164 Resp: 1194
Ion Ratio Lower Upper
164 100
166 116.5 101.2 151.8
129 90.2 73.0 109.4
131 75.4 74.2 111.2

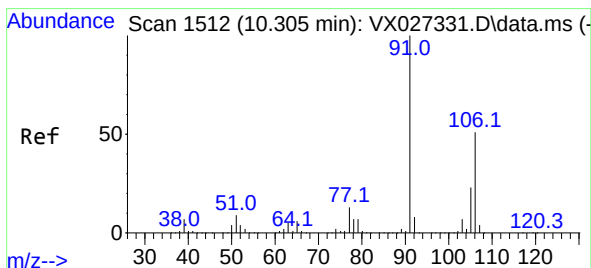
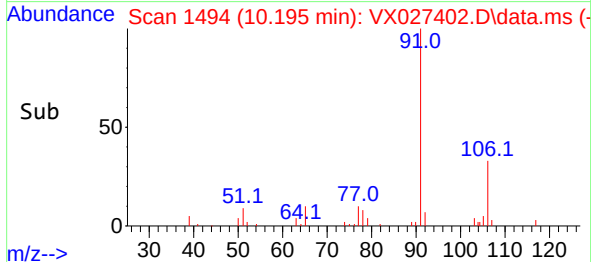
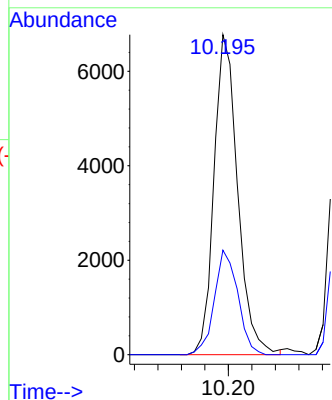
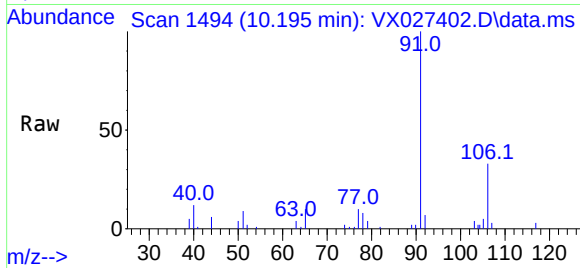




#67
Ethyl Benzene
Concen: 0.458 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

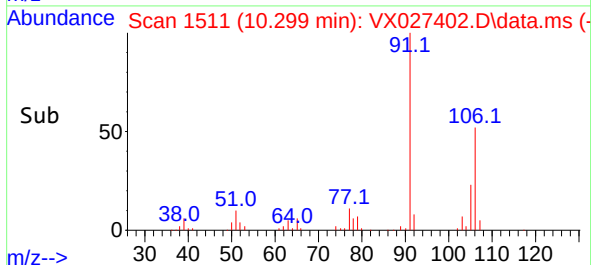
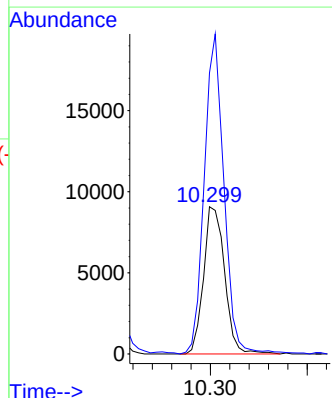
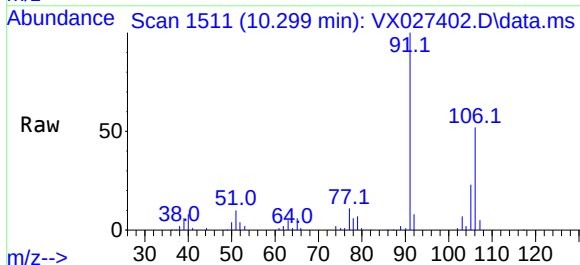
Instrument :
MSVOA_X
ClientSampleId :
MW-119

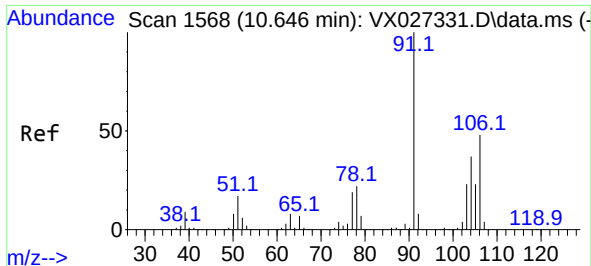
Tgt Ion: 91 Resp: 9495
Ion Ratio Lower Upper
91 100
106 32.7 24.6 36.8



#68
m/p-Xylenes
Concen: 1.692 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion: 106 Resp: 13767
Ion Ratio Lower Upper
106 100
91 203.3 160.4 240.6

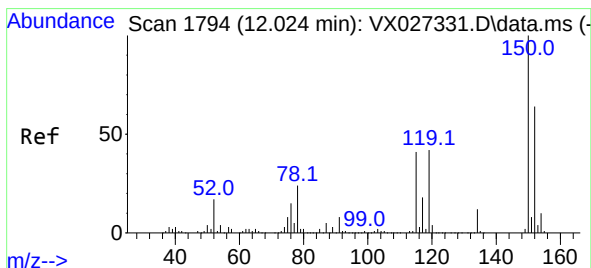
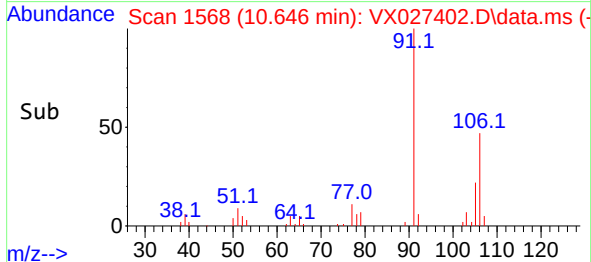
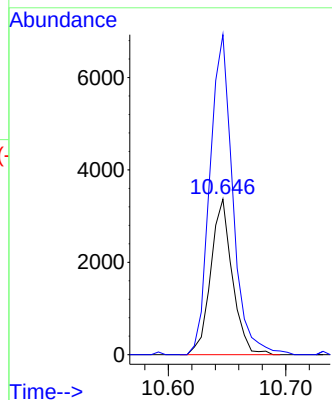
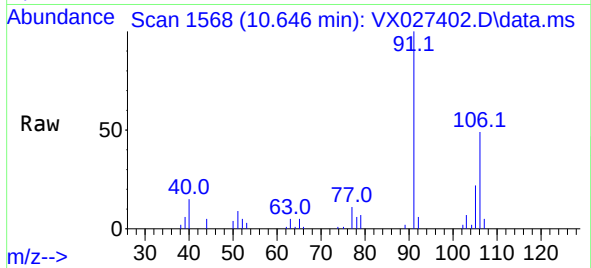




#69
o-Xylene
Concen: 0.534 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

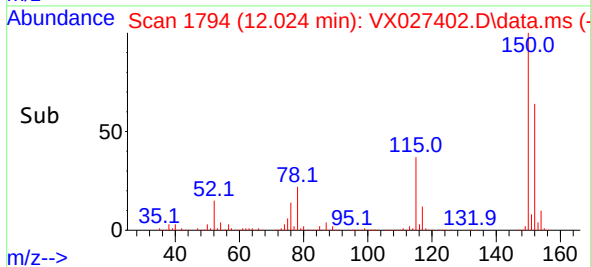
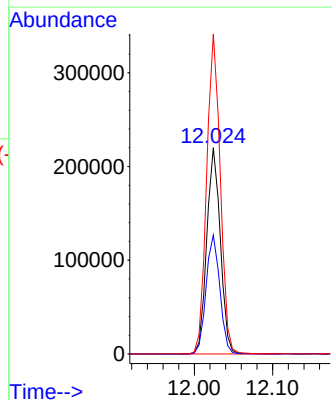
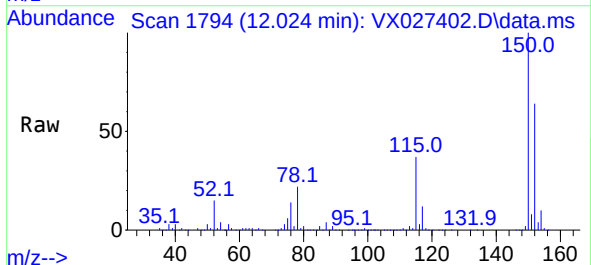
Instrument :
MSVOA_X
ClientSampleId :
MW-119

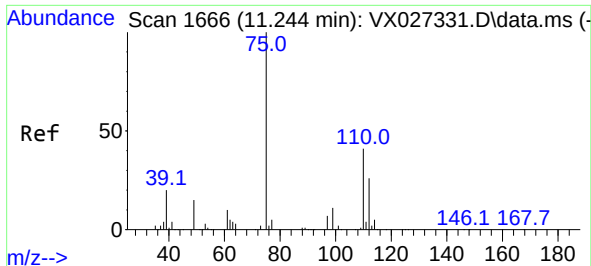
Tgt Ion:106 Resp: 4293
Ion Ratio Lower Upper
106 100
91 218.1 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion:152 Resp: 264257
Ion Ratio Lower Upper
152 100
115 58.3 37.5 112.7
150 155.7 0.0 338.2

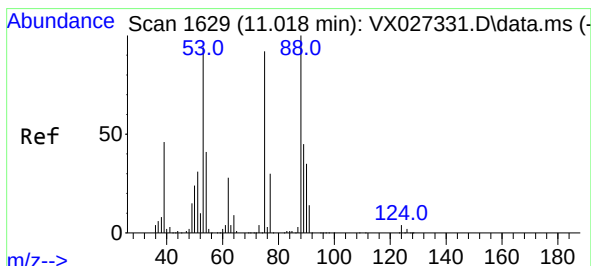
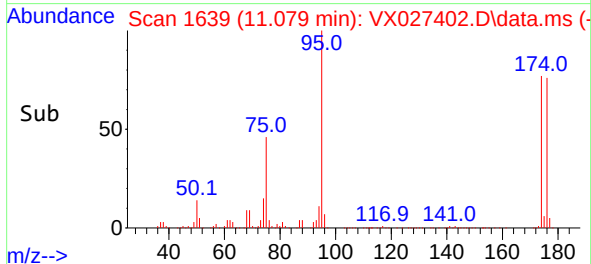
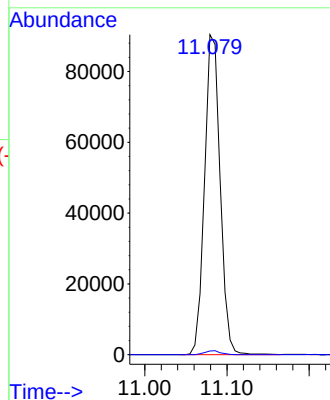
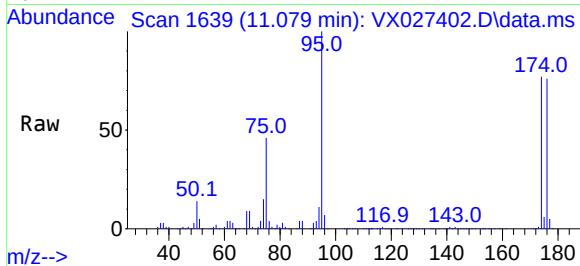




#76
1,2,3-Trichloropropane
Concen: 20.543 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

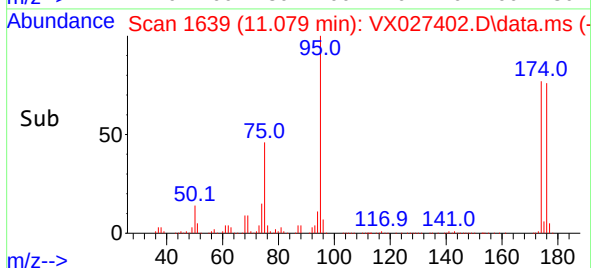
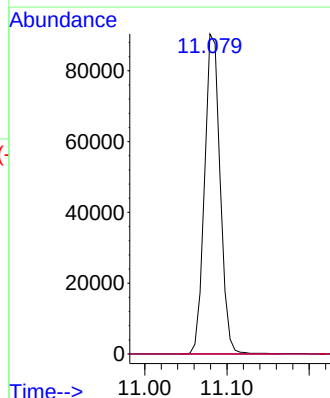
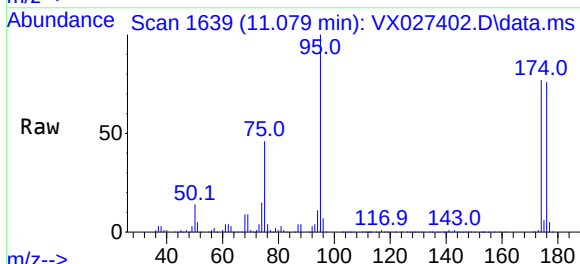
Instrument :
MSVOA_X
ClientSampleId :
MW-119

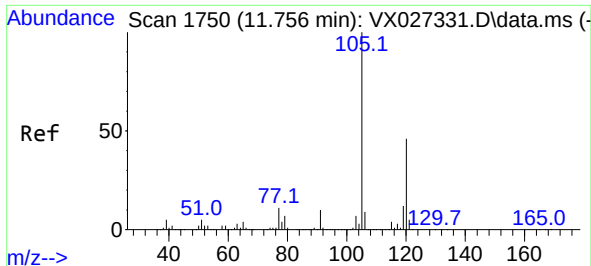
Tgt Ion: 75 Resp: 119106
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.438 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion: 75 Resp: 119106
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

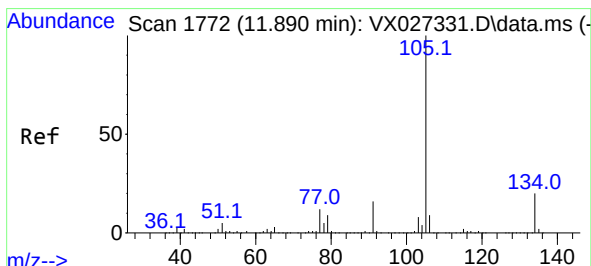
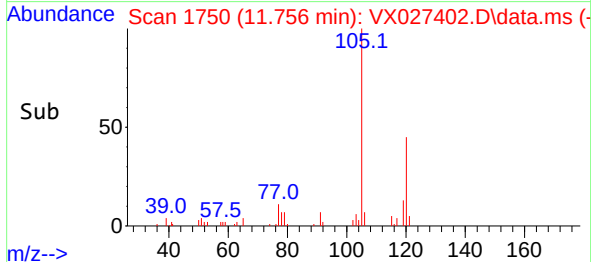
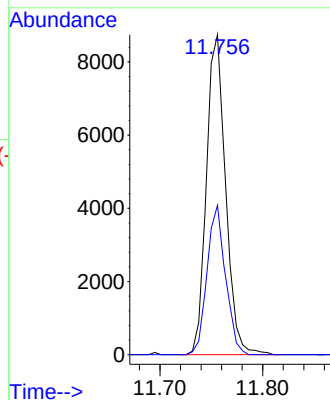
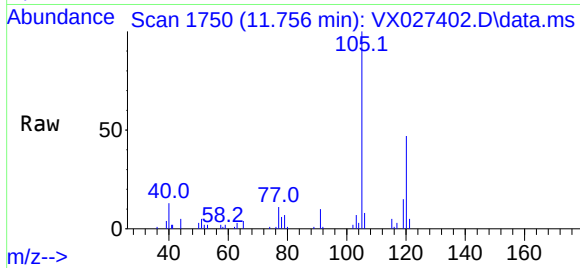




#84
1,2,4-Trimethylbenzene
Concen: 0.690 ug/l
RT: 11.756 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

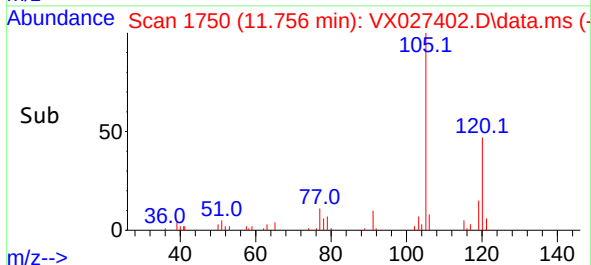
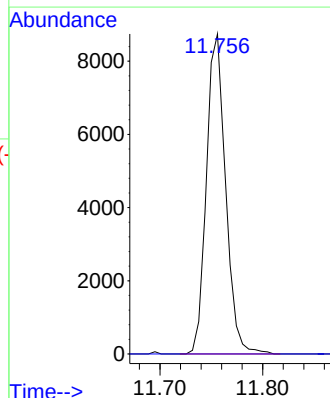
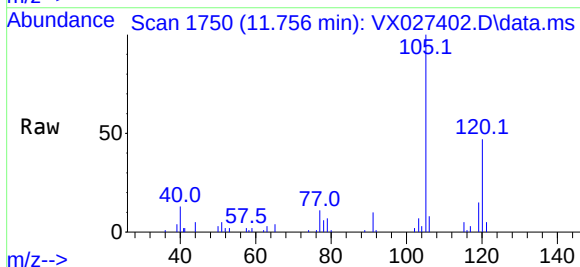
Instrument :
MSVOA_X
ClientSampleId :
MW-119

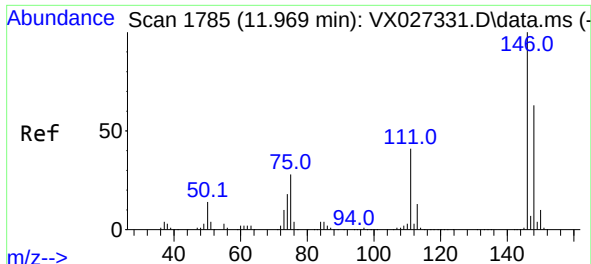
Tgt Ion:105 Resp: 11343
Ion Ratio Lower Upper
105 100
120 44.8 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.568 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion:105 Resp: 11343
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#





#87

1,3-Dichlorobenzene

Concen: 0.305 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

Instrument :

MSVOA_X

ClientSampleId :

MW-119

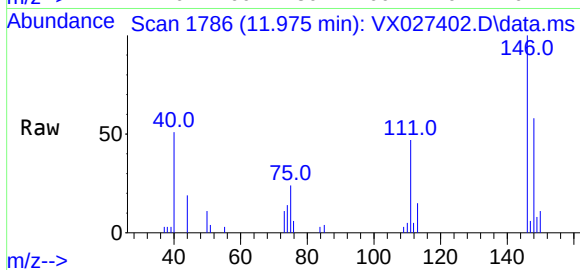
Tgt Ion:146 Resp: 2793

Ion Ratio Lower Upper

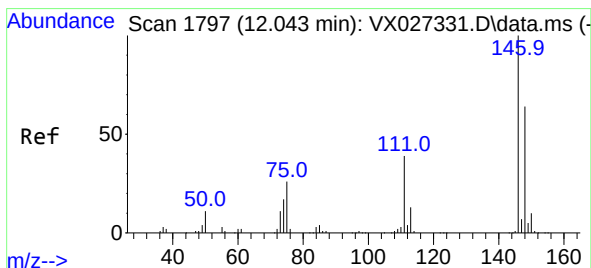
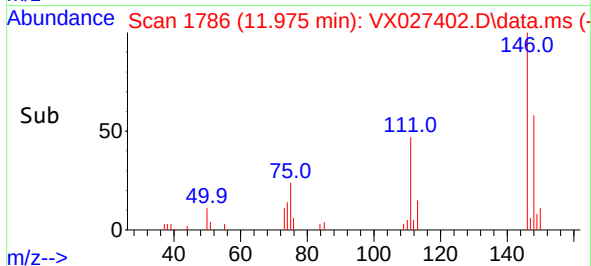
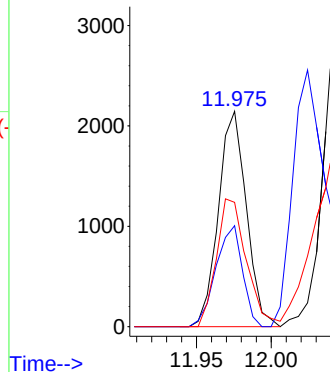
146 100

111 44.4 19.7 59.1

148 63.9 31.6 94.7



Abundance



#88

1,4-Dichlorobenzene

Concen: 0.301 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.068 min

Lab File: VX027402.D

Acq: 11 Mar 2022 15:19

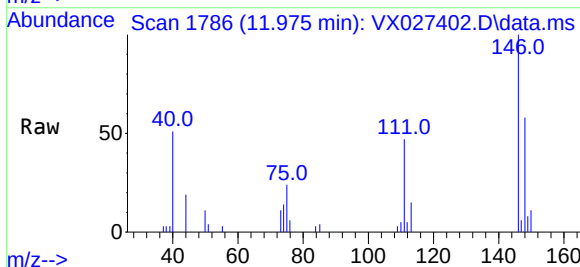
Tgt Ion:146 Resp: 2793

Ion Ratio Lower Upper

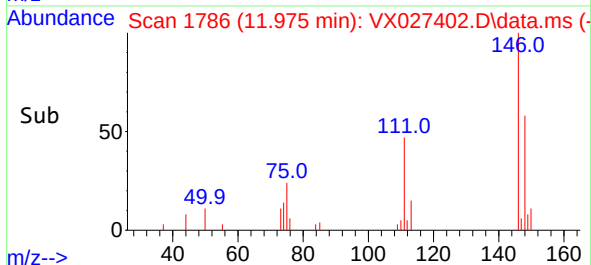
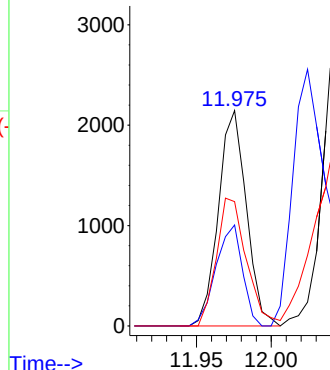
146 100

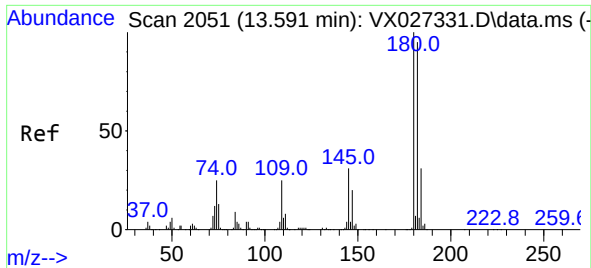
111 44.4 19.2 57.6

148 63.9 32.3 96.9



Abundance

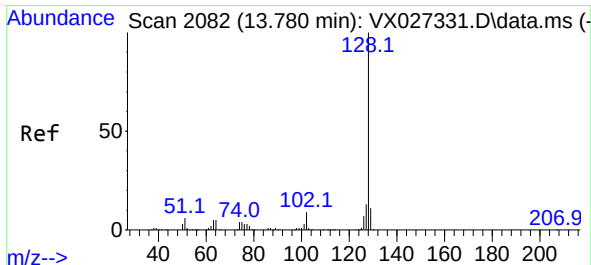
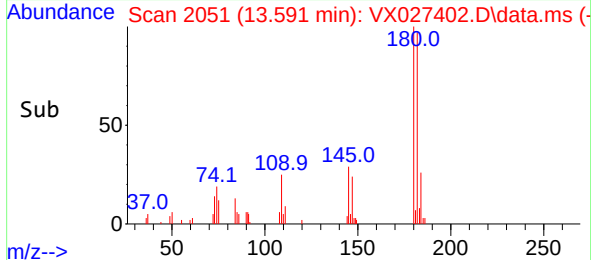
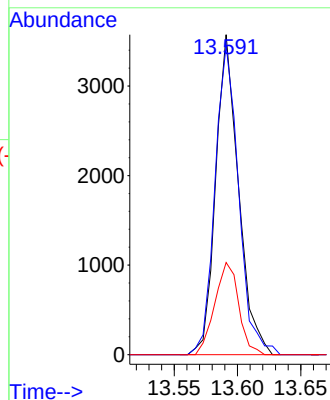
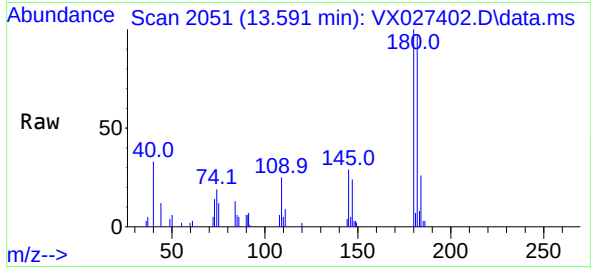




#93
1,2,4-Trichlorobenzene
Concen: 0.754 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Instrument :
MSVOA_X
ClientSampleId :
MW-119

Tgt Ion:	180	Resp:	4472
Ion	Ratio	Lower	Upper
180	100		
182	100.3	47.7	143.1
145	30.2	15.2	45.5



#95
Naphthalene
Concen: 0.439 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027402.D
Acq: 11 Mar 2022 15:19

Tgt Ion:	128	Resp:	8744
Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.4
129	11.5	8.7	13.1

