

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061822\
 Data File : VX029602.D
 Acq On : 19 Jun 2022 04:36
 Operator : JC/MD
 Sample : N3290-14 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-27

Quant Time: Jun 20 01:40:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

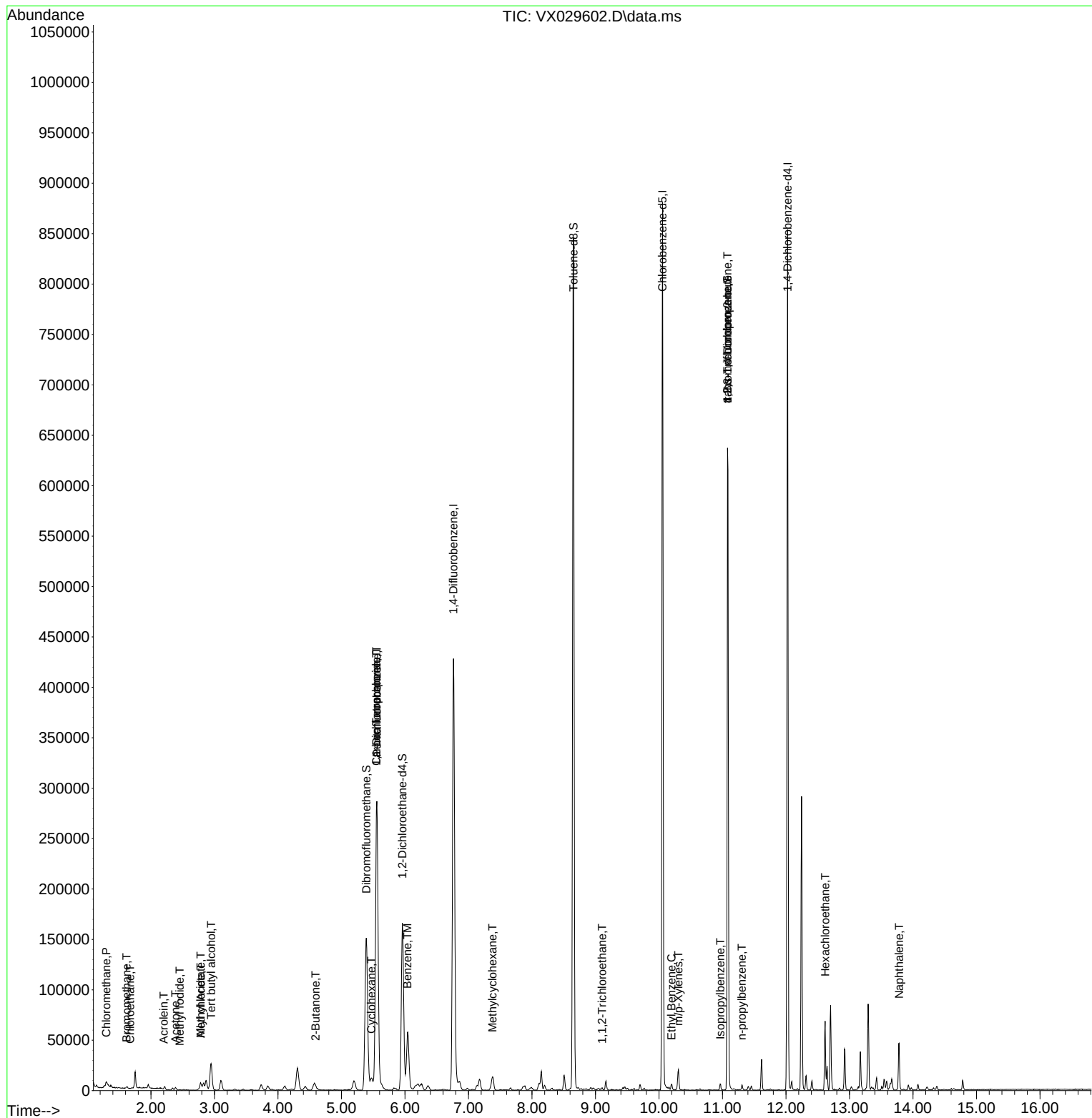
Internal Standards						
1) Pentafluorobenzene	5.556	168	275466	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	457603	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	400636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	173551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	158087	43.354	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.700%		
35) Dibromofluoromethane	5.391	113	136171	45.662	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.320%		
50) Toluene-d8	8.653	98	523831	48.083	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.160%		
62) 4-Bromofluorobenzene	11.079	95	186523	45.401	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1059	0.295	ug/l	98
5) Bromomethane	1.618	94	624	0.370	ug/l #	66
6) Chloroethane	1.673	64	219	1.375	ug/l #	43
10) Methyl Iodide	2.453	142	405	3.133	ug/l #	80
11) Tert butyl alcohol	2.947	59	15995	11.293	ug/l #	76
13) Acrolein	2.203	56	68	0.339	ug/l #	1
14) Allyl chloride	2.782	41	1894	0.420	ug/l #	64
16) Acetone	2.386	43	2757	1.897	ug/l	97
18) Methyl Acetate	2.782	43	4990	1.299	ug/l #	46
25) 2-Butanone	4.593	43	635	0.276	ug/l #	44
31) Cyclohexane	5.471	56	7980	1.630	ug/l	92
36) 1,1-Dichloropropene	5.550	75	20845	5.165	ug/l #	49
38) Carbon Tetrachloride	5.550	117	28574	7.199	ug/l #	15
39) Methylcyclohexane	7.379	83	5933	1.179	ug/l	96
40) Benzene	6.038	78	73068	6.107	ug/l #	90
44) Trichloroethene	7.129	130	1945	Below Cal		87
55) 1,1,2-Trichloroethane	9.104	97	770	0.249	ug/l #	16
67) Ethyl Benzene	10.195	91	3628	0.257	ug/l #	84
68) m/p-Xylenes	10.305	106	4805	0.871	ug/l	88
73) Isopropylbenzene	10.964	105	3862	0.297	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	92047	24.346	ug/l #	38
78) n-propylbenzene	11.305	91	3499	0.239	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	92047	80.993	ug/l #	15
90) Hexachloroethane	12.616	117	2830	1.782	ug/l #	10
95) Naphthalene	13.780	128	31354	2.576	ug/l	99

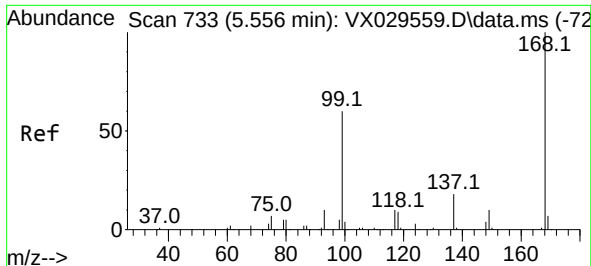
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

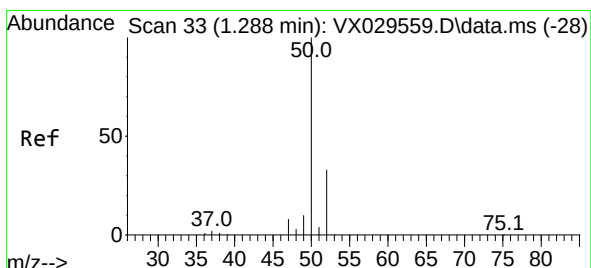
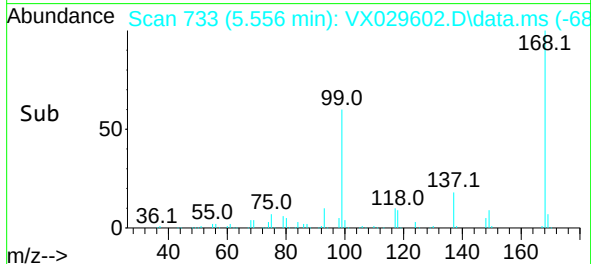
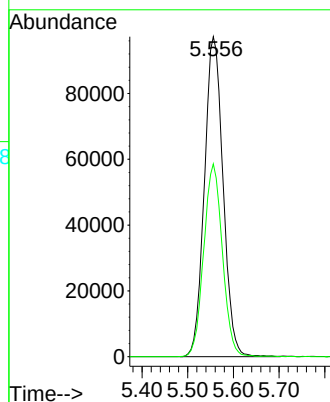
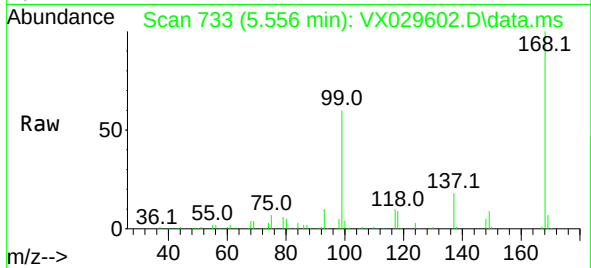




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

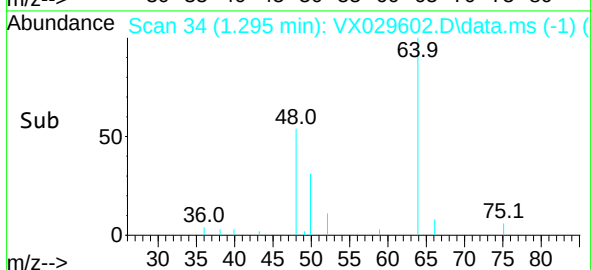
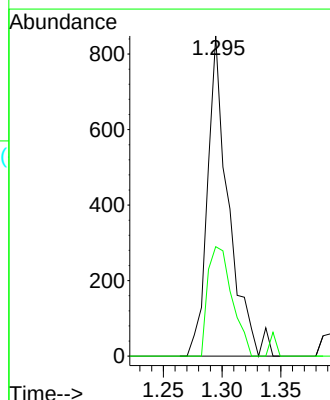
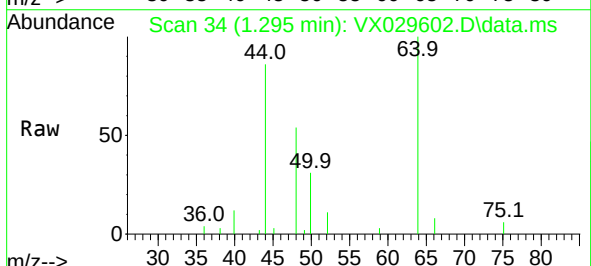
Instrument :
MSVOA_X
ClientSampleId :
MW-27

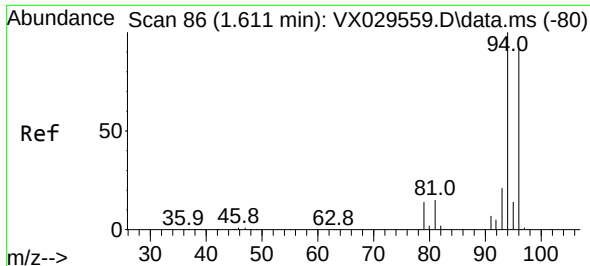
Tgt Ion:168 Resp: 275466
Ion Ratio Lower Upper
168 100
99 60.2 41.7 62.5



#3
Chloromethane
Concen: 0.295 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion: 50 Resp: 1059
Ion Ratio Lower Upper
50 100
52 34.2 26.4 39.6

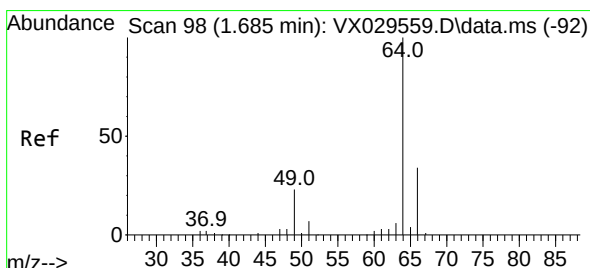
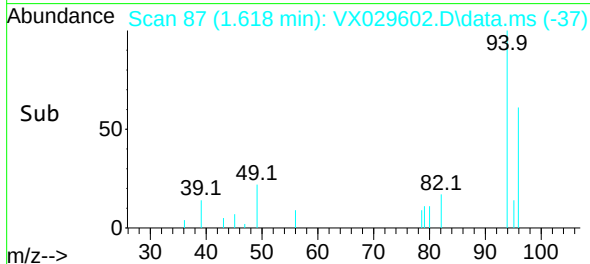
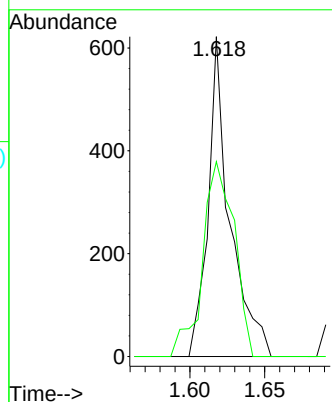
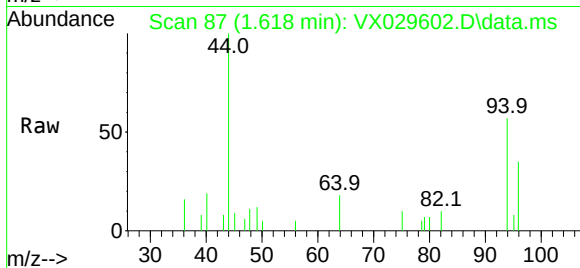




#5
Bromomethane
Concen: 0.370 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

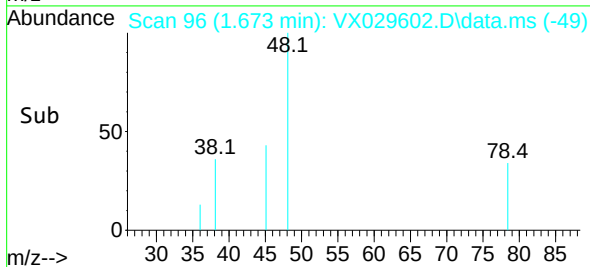
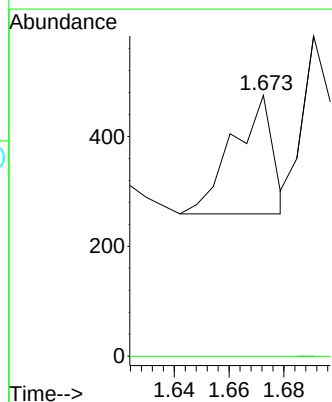
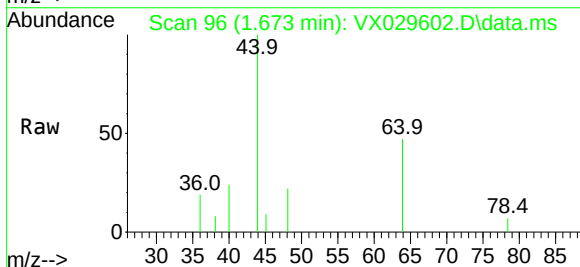
Instrument :
MSVOA_X
ClientSampleId :
MW-27

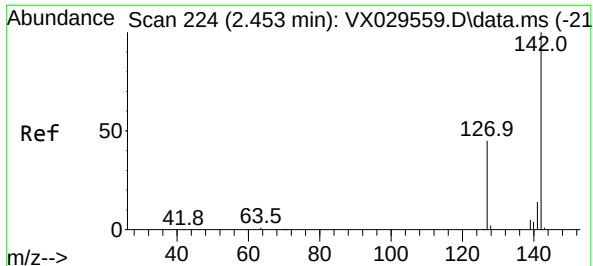
Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 60.9 75.3 112.9#



#6
Chloroethane
Concen: 1.375 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.012 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

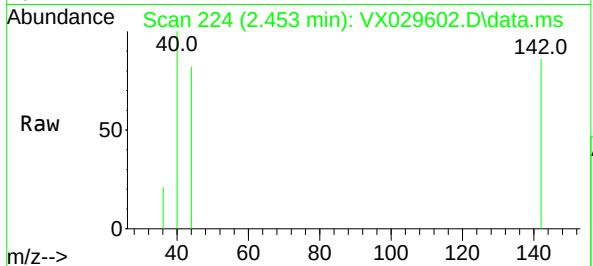
Tgt Ion: 64 Resp: 219
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



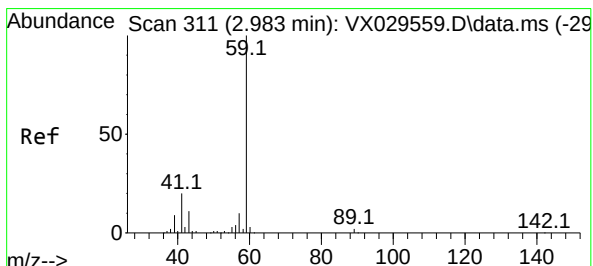
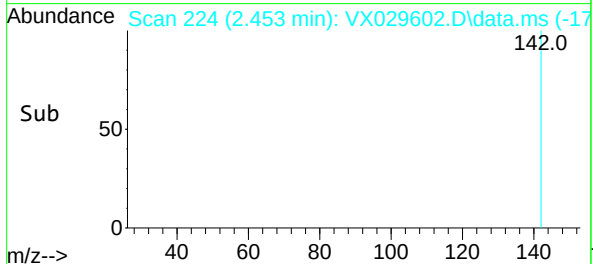
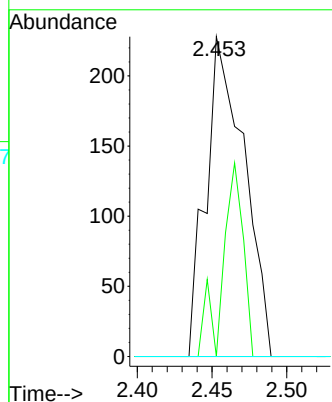


#10
Methyl Iodide
Concen: 3.133 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Instrument :
MSVOA_X
ClientSampleId :
MW-27

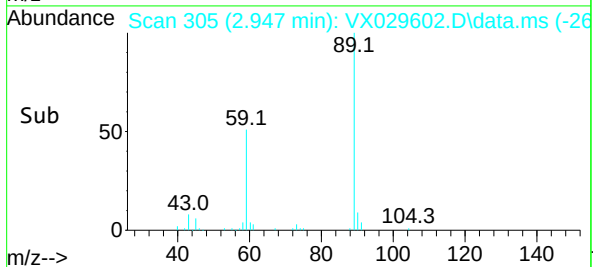
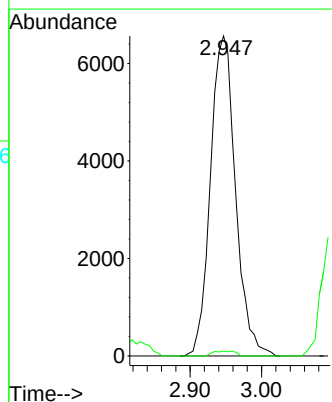
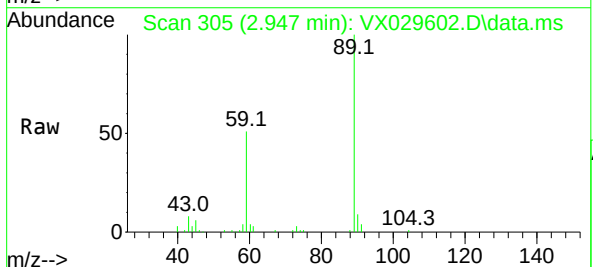


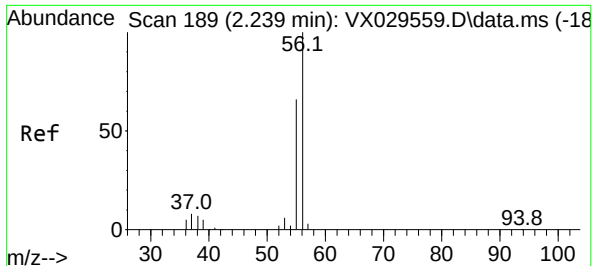
Tgt Ion:142 Resp: 405
Ion Ratio Lower Upper
142 100
127 32.8 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 11.293 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion: 59 Resp: 15995
Ion Ratio Lower Upper
59 100
57 1.3 8.3 12.5#

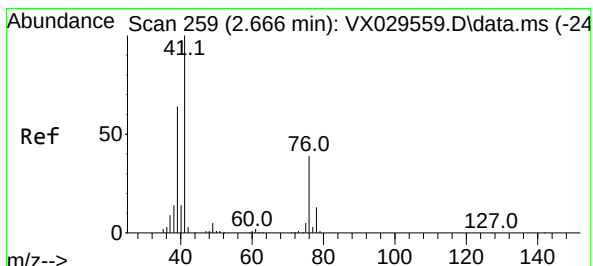
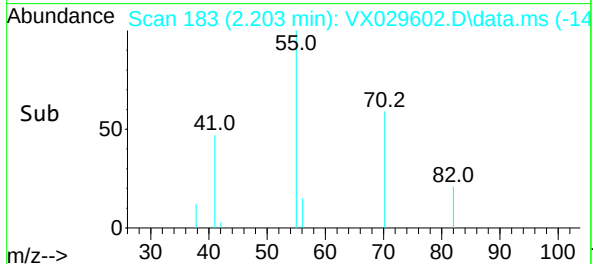
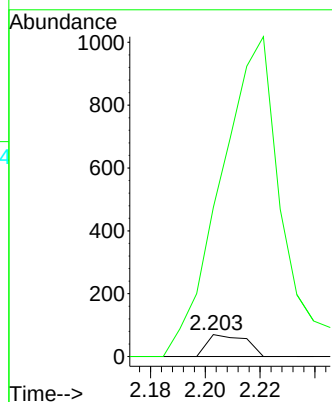
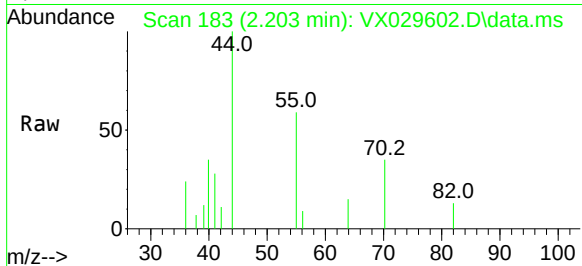




#13
Acrolein
Concen: 0.339 ug/l
RT: 2.203 min Scan# 11
Delta R.T. -0.036 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

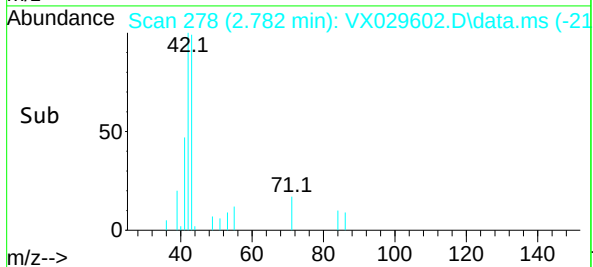
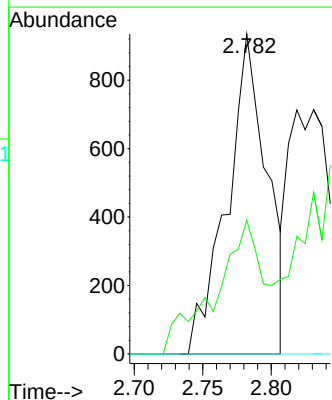
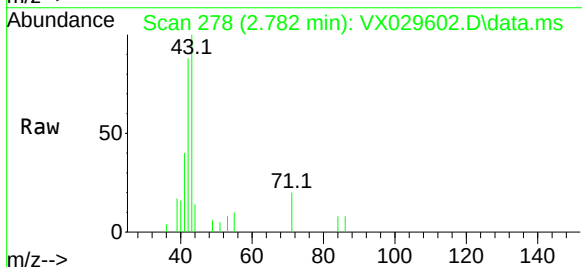
Instrument :
MSVOA_X
ClientSampleId :
MW-27

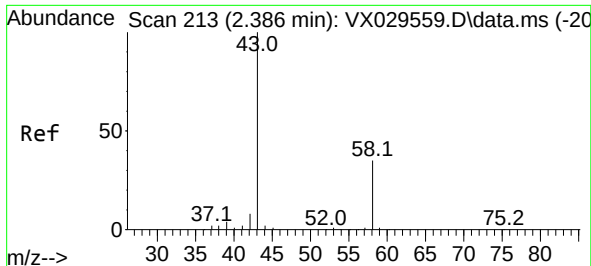
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 2358.8 55.0 82.6#



#14
Allyl chloride
Concen: 0.420 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion: 41 Resp: 1894
Ion Ratio Lower Upper
41 100
39 50.5 50.4 75.6
76 0.0 32.7 49.1#





#16

Acetone

Concen: 1.897 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX029602.D

Acq: 19 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

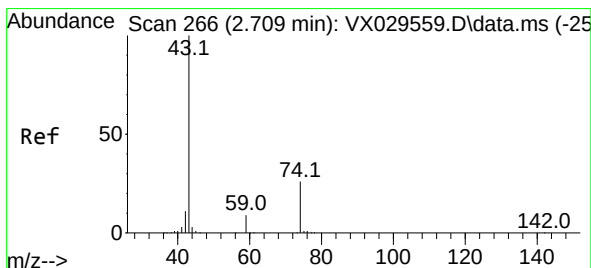
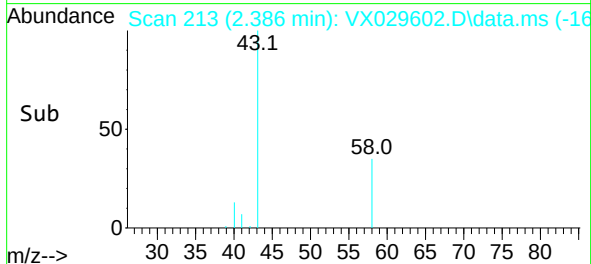
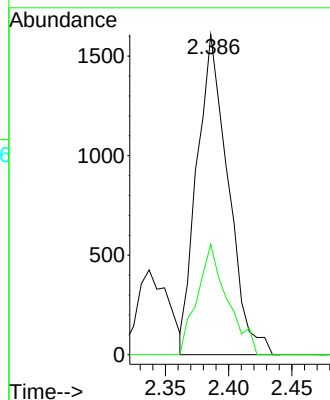
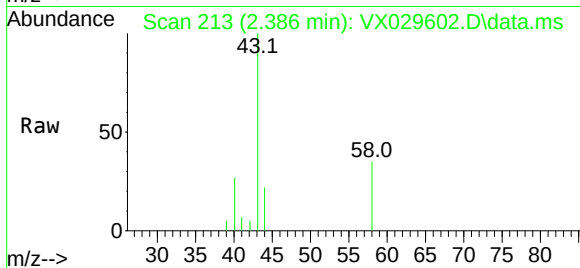
MW-27

Tgt Ion: 43 Resp: 2757

Ion Ratio Lower Upper

43 100

58 34.5 28.8 43.2



#18

Methyl Acetate

Concen: 1.299 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.073 min

Lab File: VX029602.D

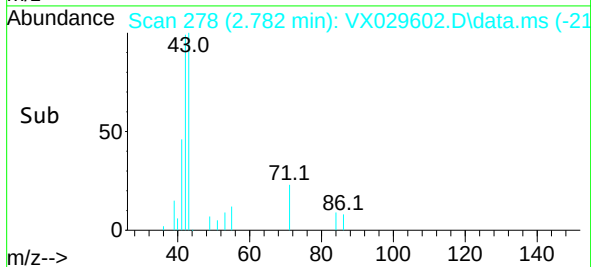
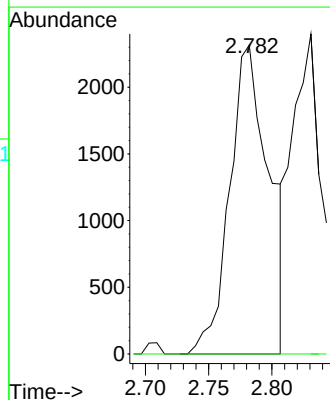
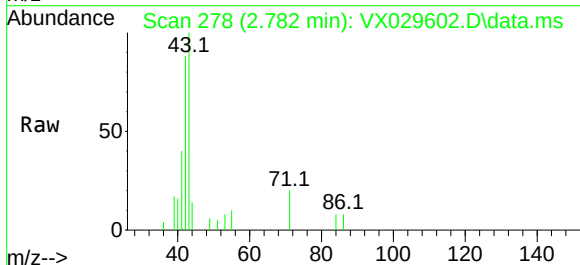
Acq: 19 Jun 2022 04:36

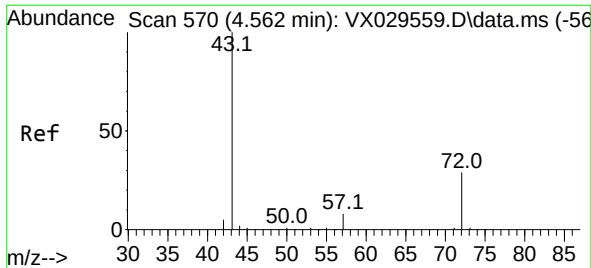
Tgt Ion: 43 Resp: 4990

Ion Ratio Lower Upper

43 100

74 0.0 22.8 34.2#

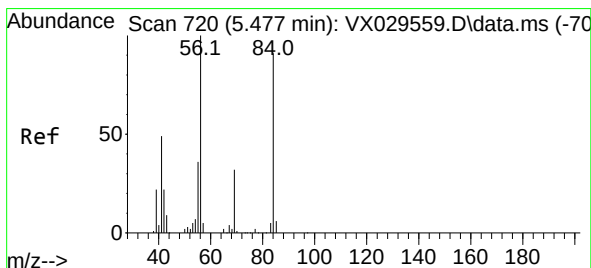
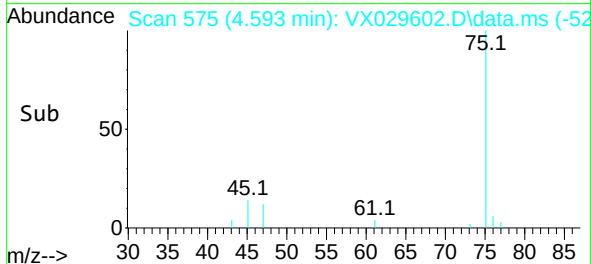
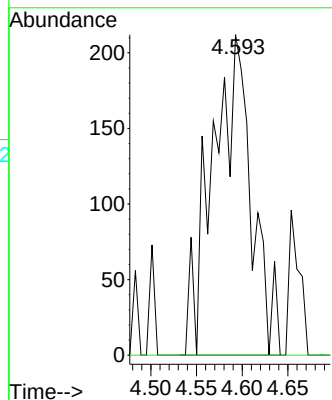
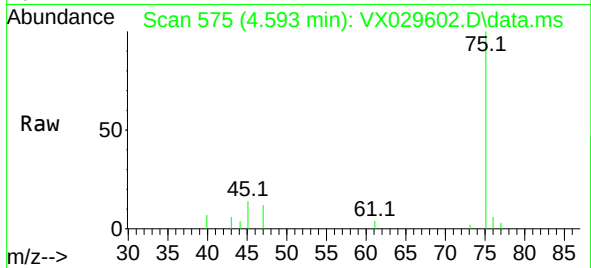




#25
2-Butanone
Concen: 0.276 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

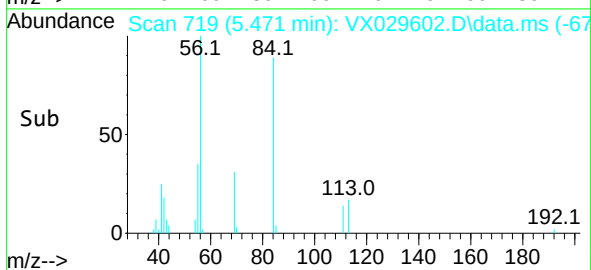
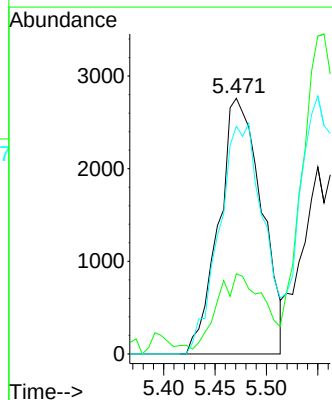
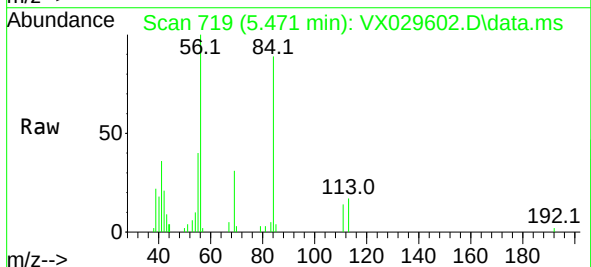
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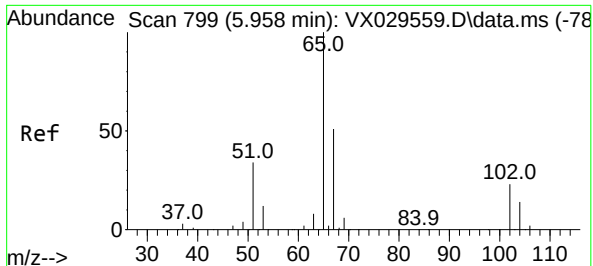
Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#31
Cyclohexane
Concen: 1.630 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion: 56 Resp: 7980
Ion Ratio Lower Upper
56 100
69 28.0 26.7 40.1
84 89.1 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 43.354 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029602.D

Acq: 19 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

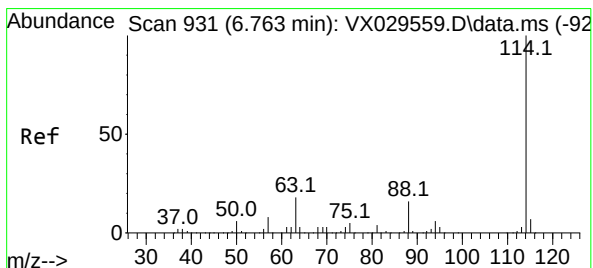
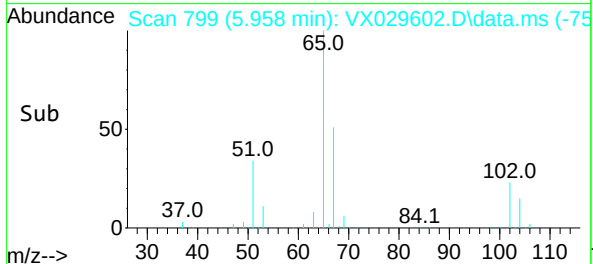
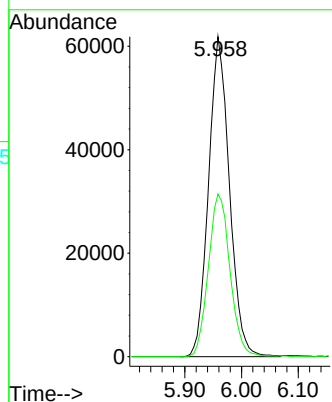
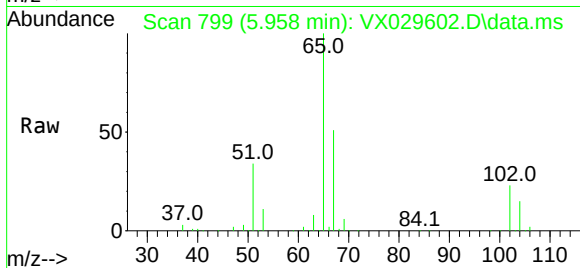
MW-27

Tgt Ion: 65 Resp: 158087

Ion Ratio Lower Upper

65 100

67 52.6 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: VX029602.D

Acq: 19 Jun 2022 04:36

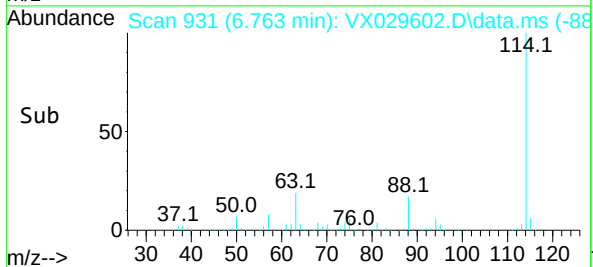
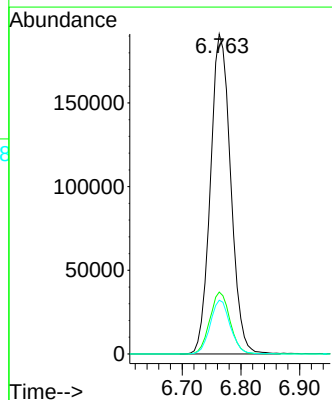
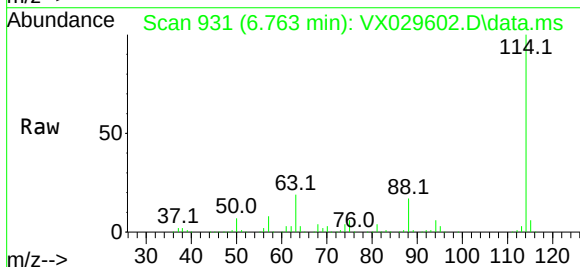
Tgt Ion: 114 Resp: 457603

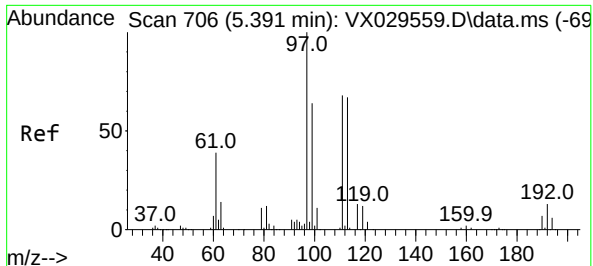
Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.8

88 16.8 0.0 32.4

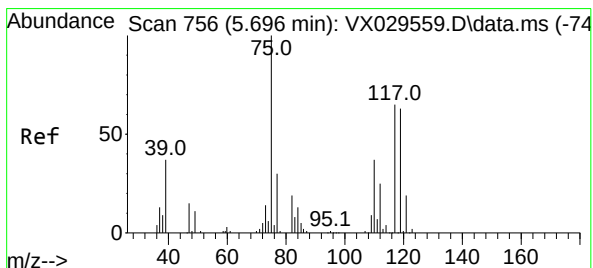
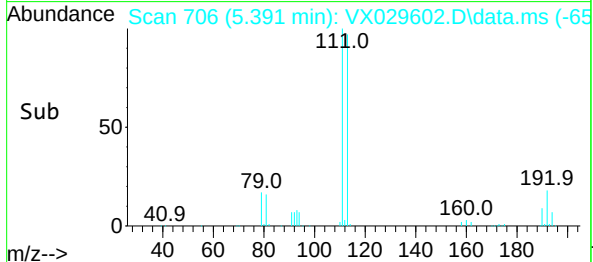
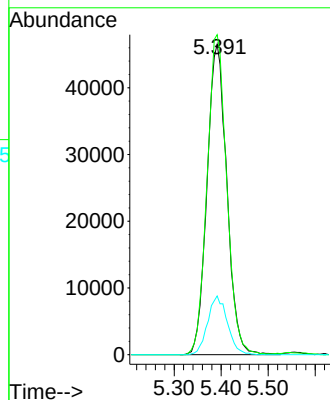
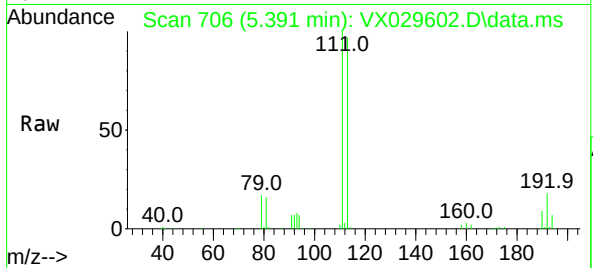




#35
Dibromofluoromethane
Concen: 45.662 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

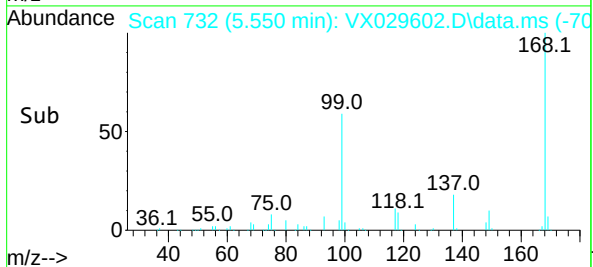
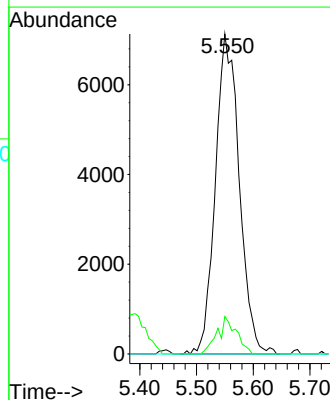
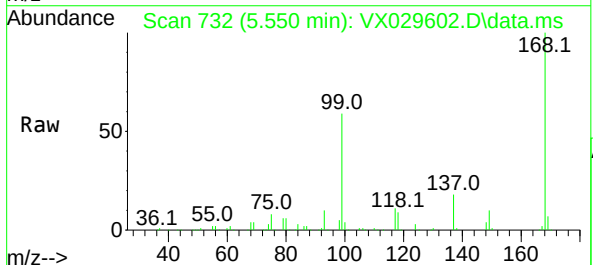
Instrument :
MSVOA_X
ClientSampleId :
MW-27

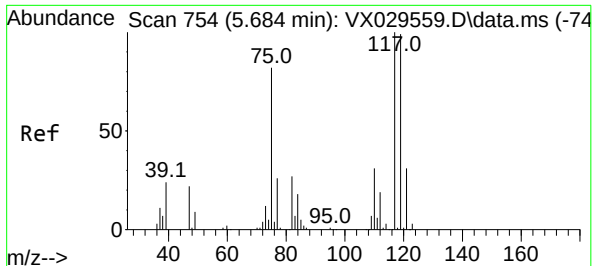
Tgt Ion:113 Resp: 136171
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 18.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.165 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion: 75 Resp: 20845
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#

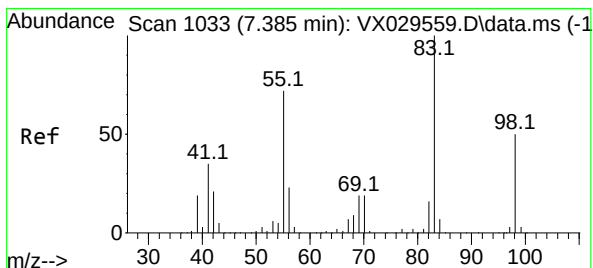
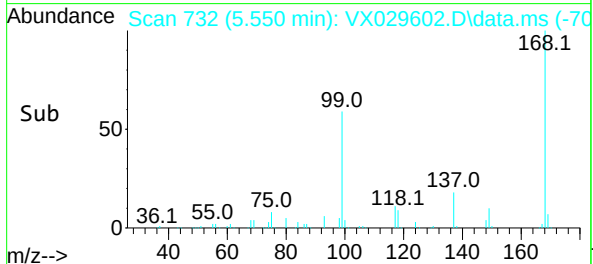
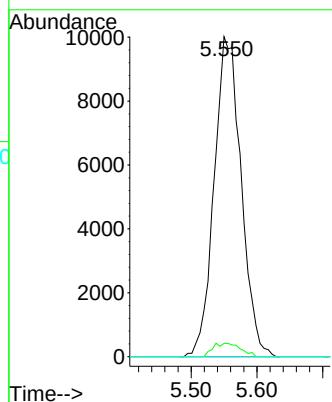
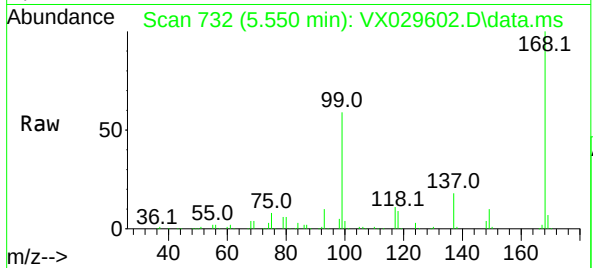




#38
Carbon Tetrachloride
Concen: 7.199 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

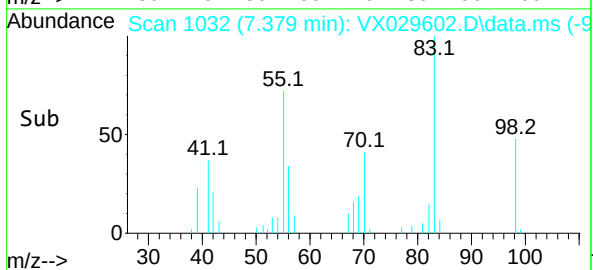
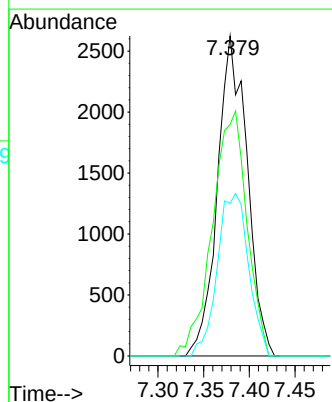
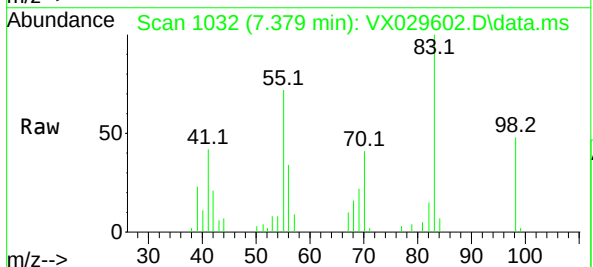
Instrument :
MSVOA_X
ClientSampleId :
MW-27

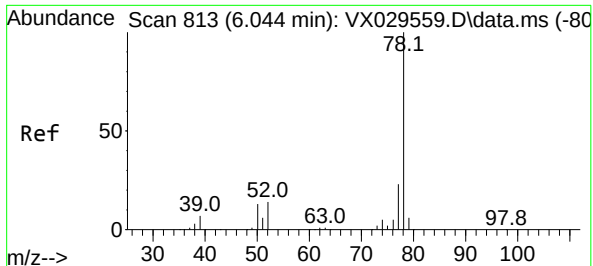
Tgt Ion:117 Resp: 28574
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.179 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion: 83 Resp: 5933
Ion Ratio Lower Upper
83 100
55 72.4 54.6 81.8
98 47.8 37.4 56.2





#40

Benzene

Concen: 6.107 ug/l

RT: 6.038 min Scan# 813

Delta R.T. -0.006 min

Lab File: VX029602.D

Acq: 19 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

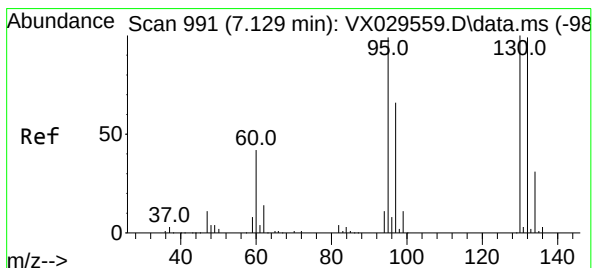
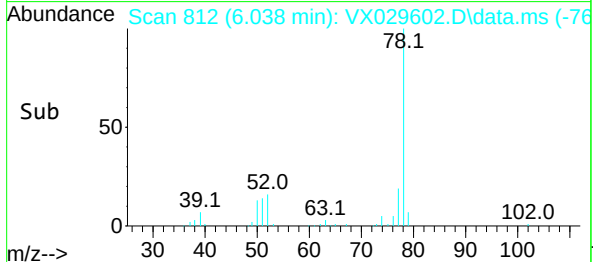
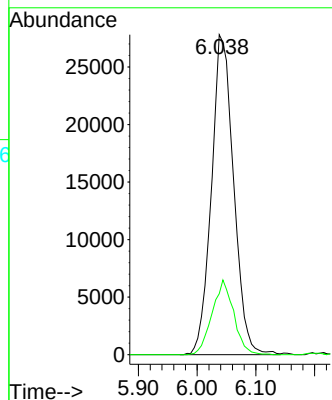
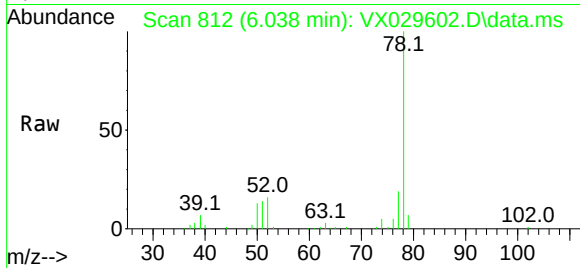
MW-27

Tgt Ion: 78 Resp: 73068

Ion Ratio Lower Upper

78 100

77 19.1 19.3 28.9#



#44

Trichloroethene

Concen: Below Cal

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX029602.D

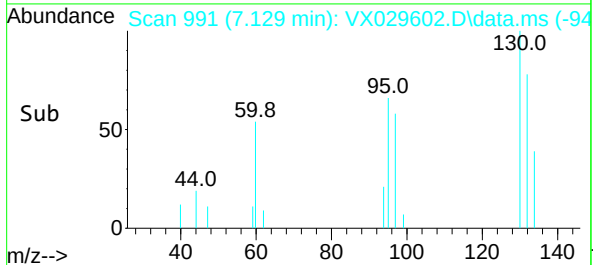
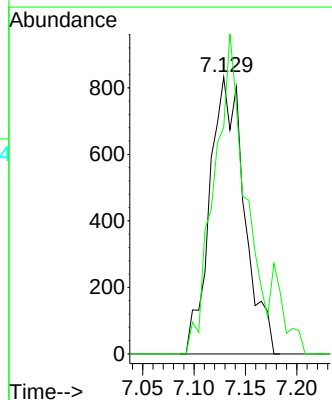
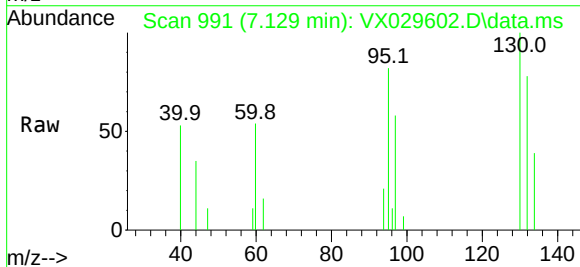
Acq: 19 Jun 2022 04:36

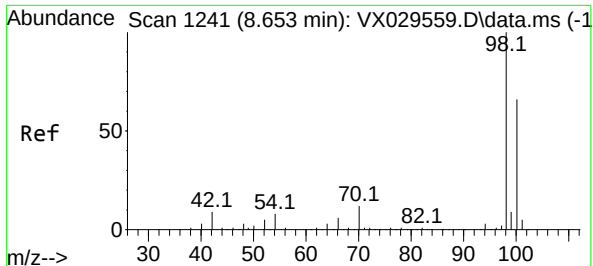
Tgt Ion:130 Resp: 1945

Ion Ratio Lower Upper

130 100

95 82.0 0.0 188.8

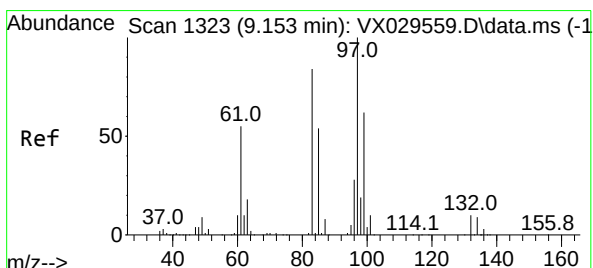
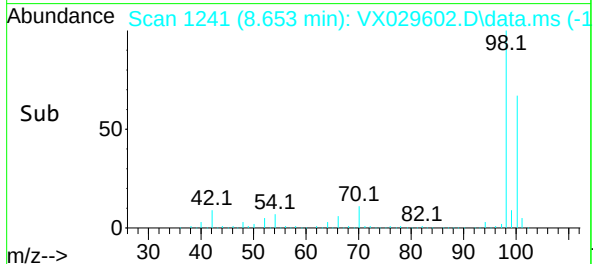
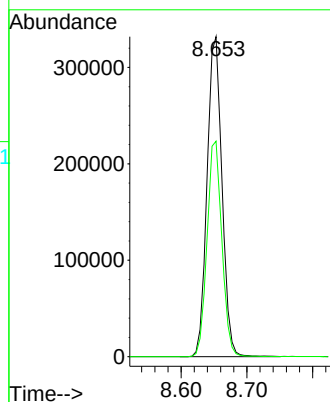
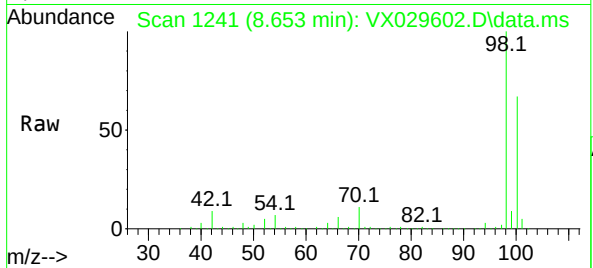




#50
Toluene-d8
Concen: 48.083 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

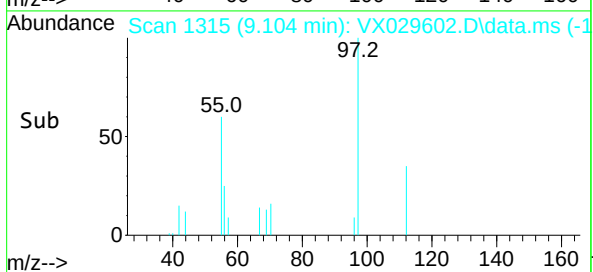
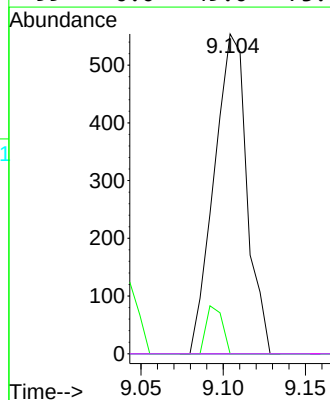
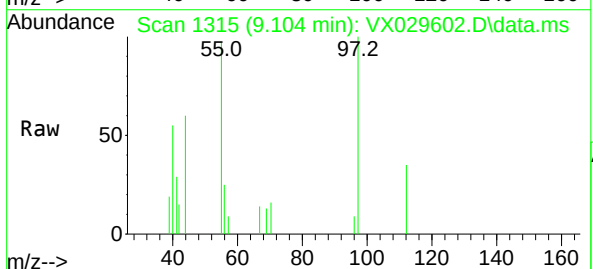
Instrument :
MSVOA_X
ClientSampleId :
MW-27

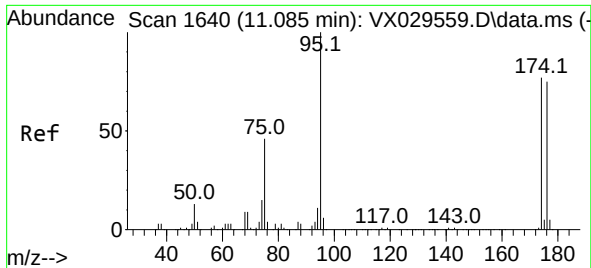
Tgt Ion: 98 Resp: 523831
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#55
1,1,2-Trichloroethane
Concen: 0.249 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion: 97 Resp: 770
Ion Ratio Lower Upper
97 100
83 0.0 66.2 99.4#
85 0.0 42.9 64.3#
99 0.0 49.0 73.6#





#62

4-Bromofluorobenzene

Concen: 45.401 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX029602.D

Acq: 19 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

MW-27

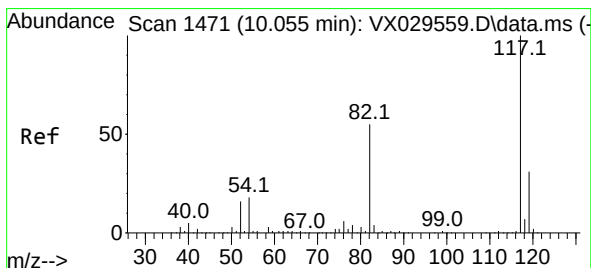
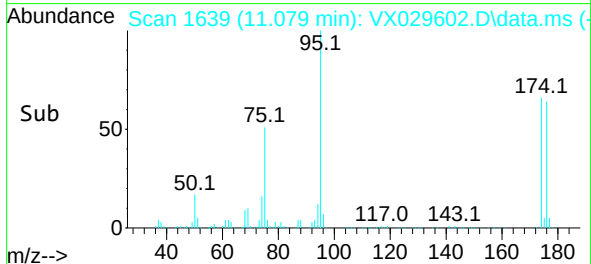
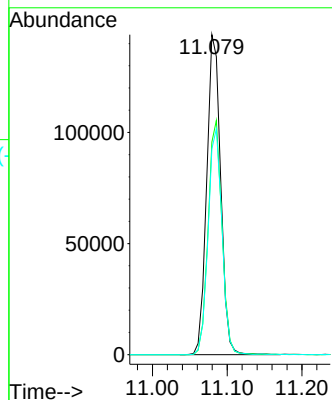
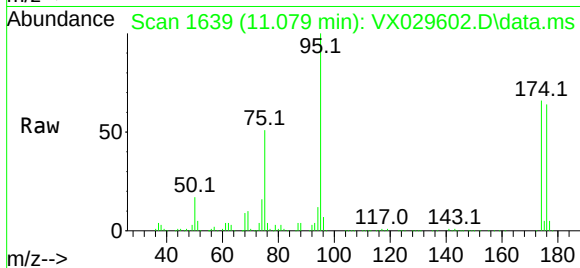
Tgt Ion: 95 Resp: 186523

Ion Ratio Lower Upper

95 100

174 72.4 0.0 163.0

176 70.6 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: VX029602.D

Acq: 19 Jun 2022 04:36

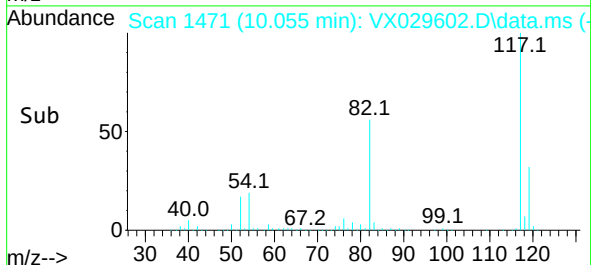
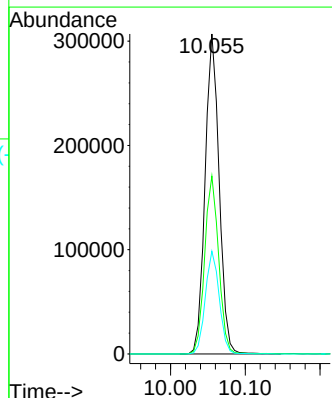
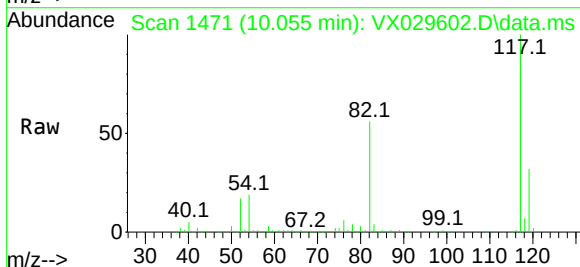
Tgt Ion: 117 Resp: 400636

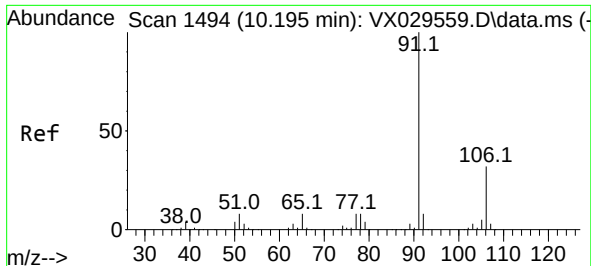
Ion Ratio Lower Upper

117 100

82 55.6 41.8 62.8

119 32.1 24.8 37.2





#67

Ethyl Benzene

Concen: 0.257 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX029602.D

Acq: 19 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

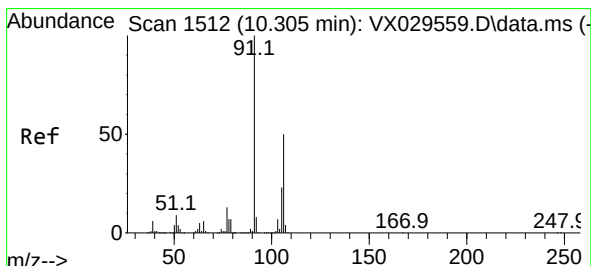
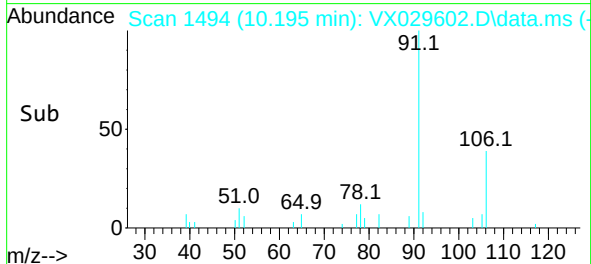
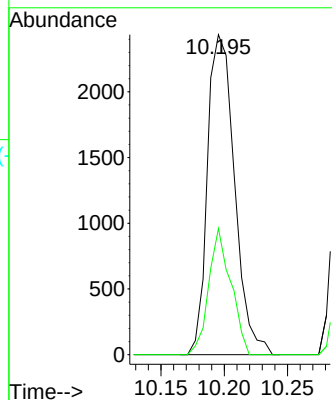
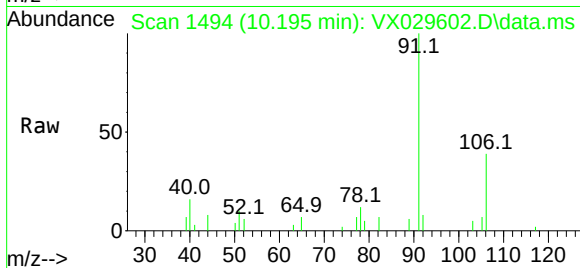
MW-27

Tgt Ion: 91 Resp: 3628

Ion Ratio Lower Upper

91 100

106 39.5 24.6 36.8#



#68

m/p-Xylenes

Concen: 0.871 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX029602.D

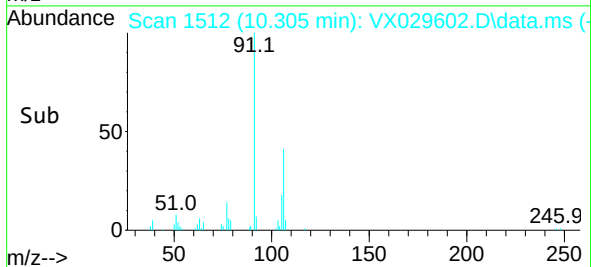
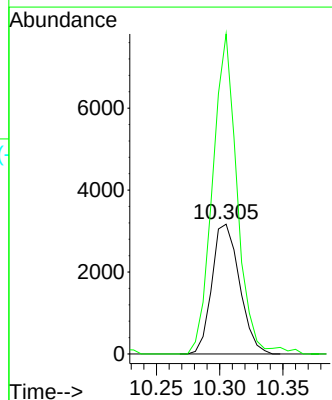
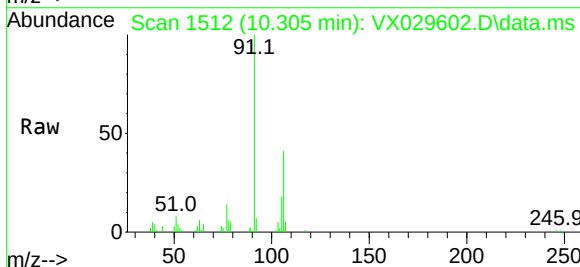
Acq: 19 Jun 2022 04:36

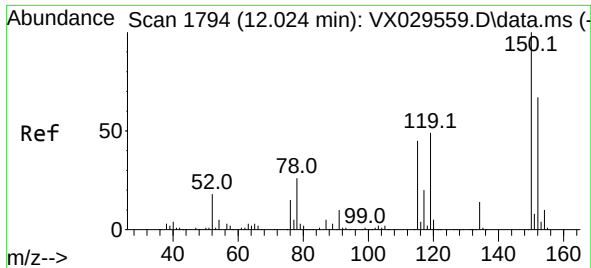
Tgt Ion: 106 Resp: 4805

Ion Ratio Lower Upper

106 100

91 219.2 160.4 240.6

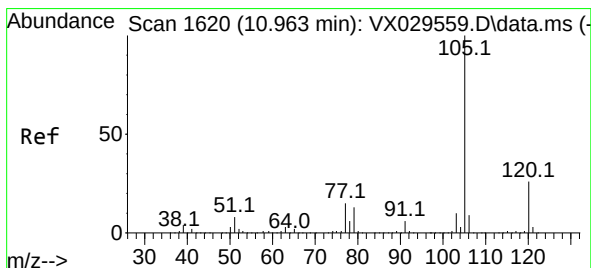
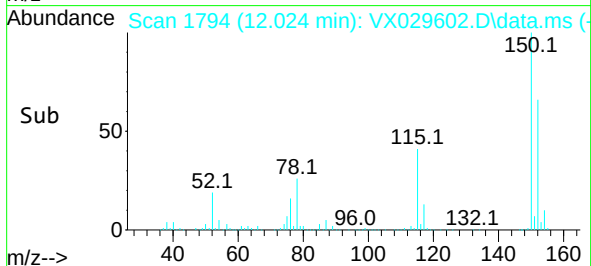
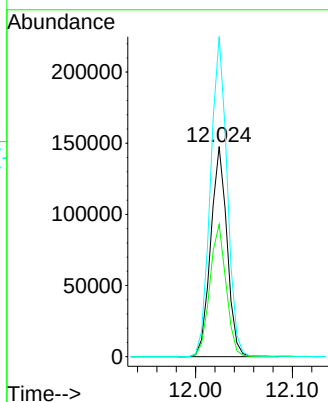
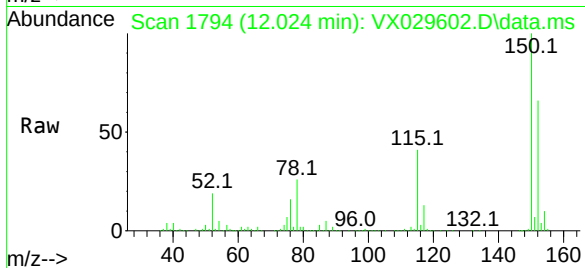




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

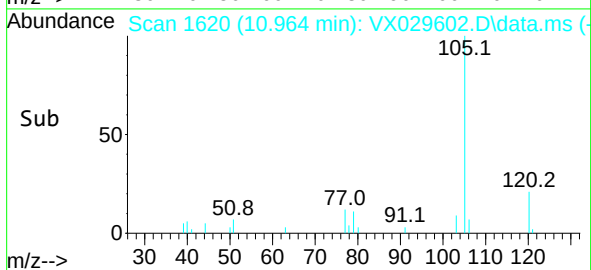
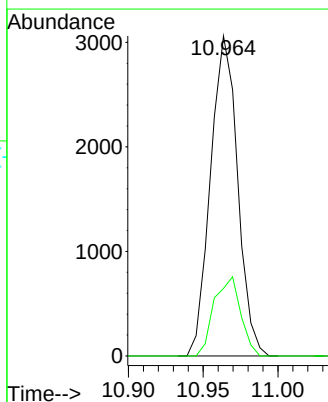
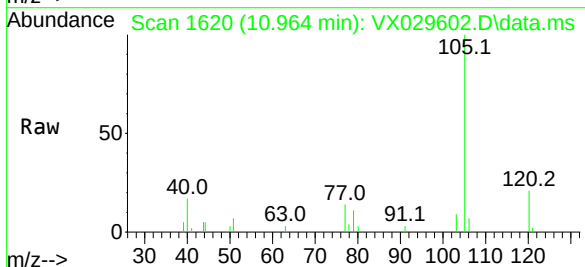
Instrument :
MSVOA_X
ClientSampleId :
MW-27

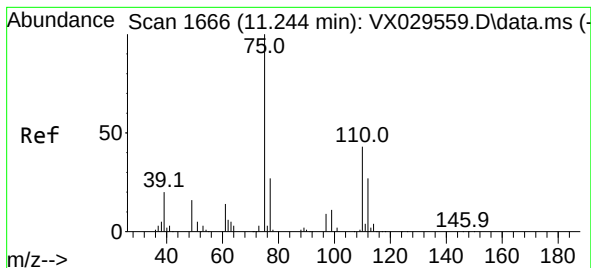
Tgt Ion:152 Resp: 173551
Ion Ratio Lower Upper
152 100
115 62.8 37.5 112.7
150 154.8 0.0 338.2



#73
Isopropylbenzene
Concen: 0.297 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.001 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Tgt Ion:105 Resp: 3862
Ion Ratio Lower Upper
105 100
120 24.2 13.5 40.5





#76

1,2,3-Trichloropropane

Concen: 24.346 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX029602.D

Acq: 19 Jun 2022 04:36

Instrument :

MSVOA_X

ClientSampleId :

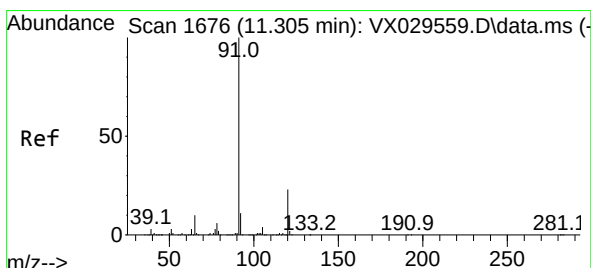
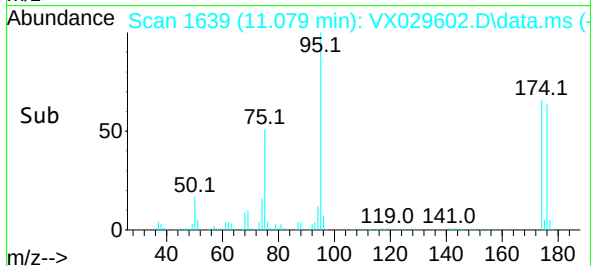
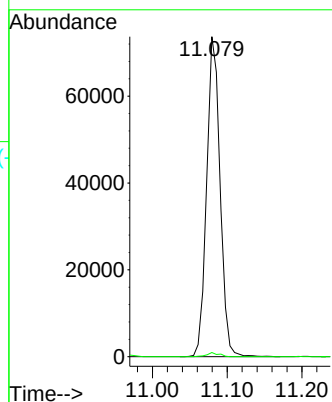
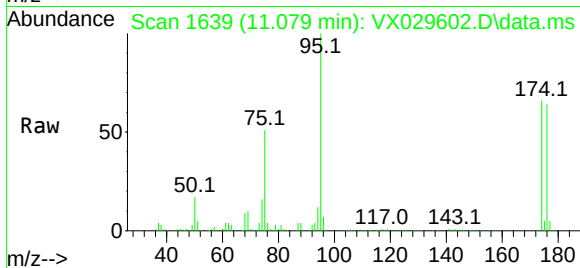
MW-27

Tgt Ion: 75 Resp: 92047

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#78

n-propylbenzene

Concen: 0.239 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX029602.D

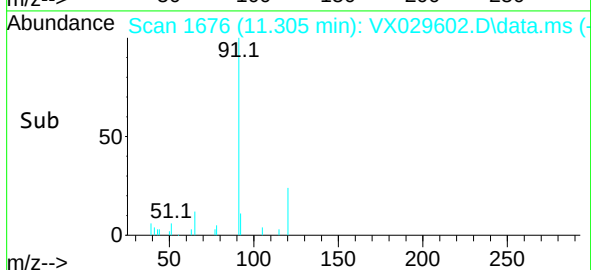
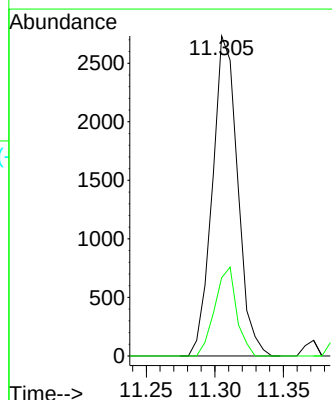
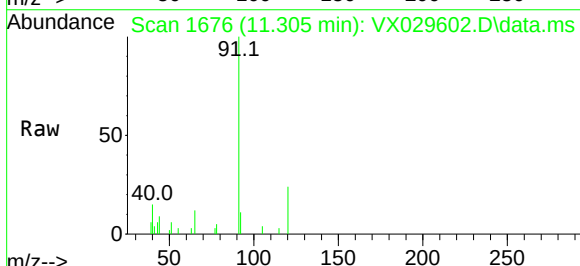
Acq: 19 Jun 2022 04:36

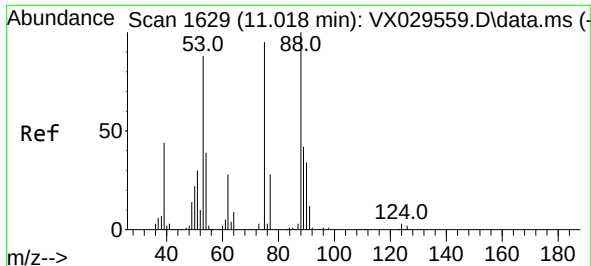
Tgt Ion: 91 Resp: 3499

Ion Ratio Lower Upper

91 100

120 23.8 11.6 34.8

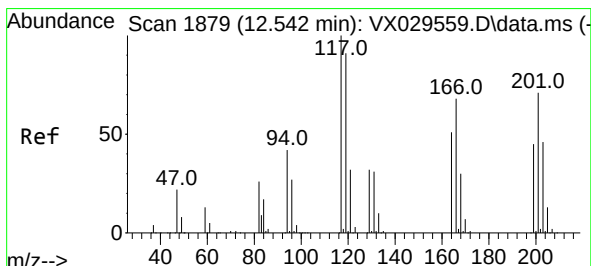
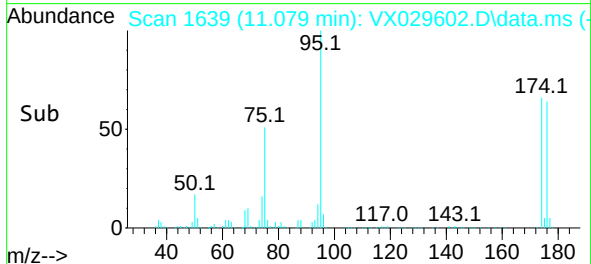
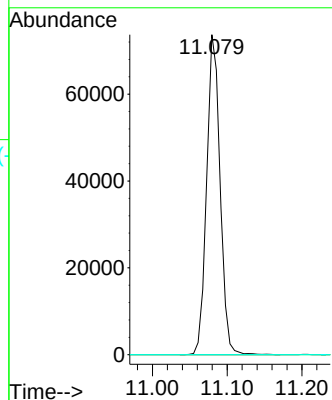
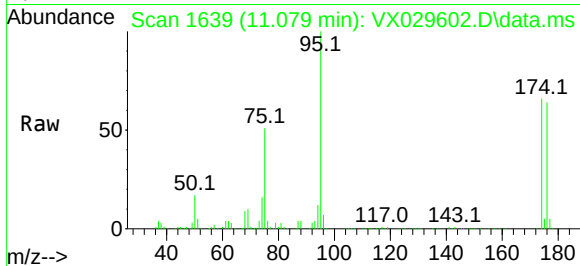




#81
trans-1,4-Dichloro-2-butene
Concen: 80.993 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

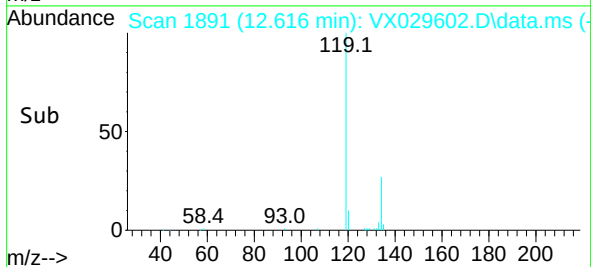
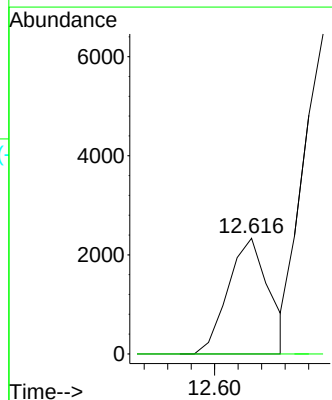
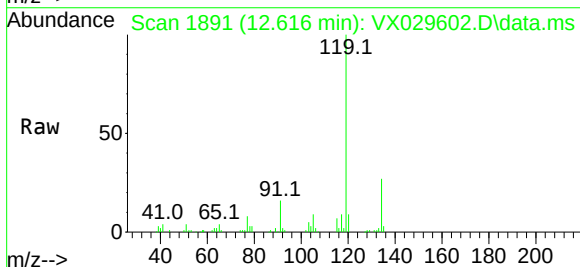
Instrument :
MSVOA_X
ClientSampleId :
MW-27

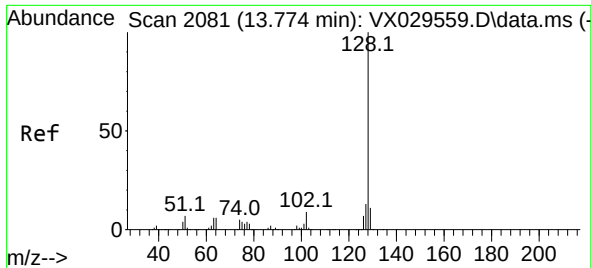
Tgt Ion: 75 Resp: 92047
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.782 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.074 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

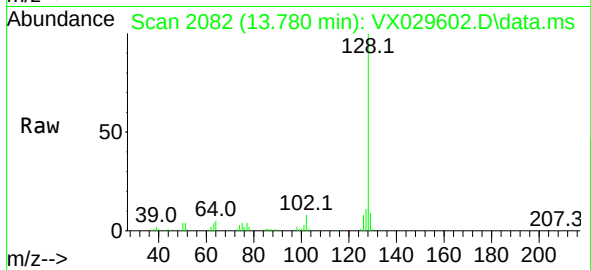
Tgt Ion: 117 Resp: 2830
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 2.576 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029602.D
Acq: 19 Jun 2022 04:36

Instrument :
MSVOA_X
ClientSampleId :
MW-27



Tgt Ion:128 Resp: 31354
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.4 8.7 13.1

