

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062022\
 Data File : VX029647.D
 Acq On : 21 Jun 2022 07:42
 Operator : JC/MD
 Sample : N3354-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-54

Quant Time: Jun 21 08:48:35 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)

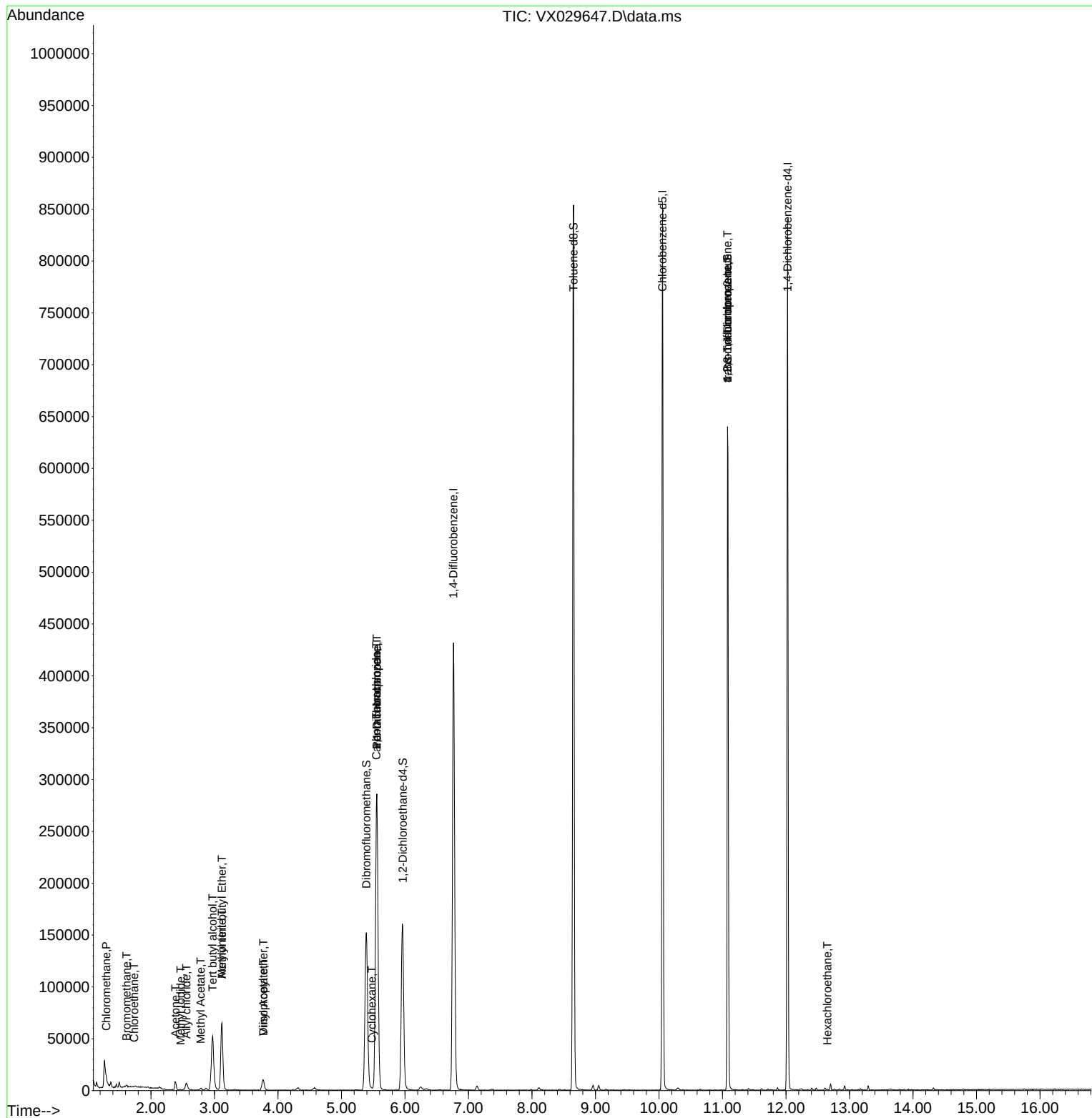
Internal Standards						
1) Pentafluorobenzene	5.556	168	273158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	463235	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	398884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	172363	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155867	43.106	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.220%
35) Dibromofluoromethane	5.391	113	137514	45.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.100%
50) Toluene-d8	8.653	98	522527	47.380	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.760%
62) 4-Bromofluorobenzene	11.079	95	185858	44.689	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	1825	0.512	ug/l	98
5) Bromomethane	1.618	94	624	0.373	ug/l	97
6) Chloroethane	1.733	64	215	1.374	ug/l #	73
10) Methyl Iodide	2.465	142	559	3.178	ug/l #	92
11) Tert butyl alcohol	2.971	59	73758	87.593	ug/l	99
14) Allyl chloride	2.557	41	1054	0.236	ug/l #	57
15) Acrylonitrile	3.117	53	744	0.440	ug/l #	4
16) Acetone	2.386	43	9463	6.566	ug/l	95
18) Methyl Acetate	2.782	43	830	0.218	ug/l #	46
19) Methyl tert-butyl Ether	3.117	73	76165	7.928	ug/l	98
22) Diisopropyl ether	3.770	45	11338	1.283	ug/l #	88
23) Vinyl Acetate	3.770	43	5483	0.743	ug/l #	66
31) Cyclohexane	5.477	56	1232	0.254	ug/l #	77
36) 1,1-Dichloropropene	5.556	75	20535	5.026	ug/l #	49
38) Carbon Tetrachloride	5.550	117	28244	7.029	ug/l #	15
44) Trichloroethene	7.135	130	1882	Below Cal		65
76) 1,2,3-Trichloropropane	11.079	75	88671	23.615	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	88671	78.560	ug/l #	15
90) Hexachloroethane	12.652	117	369	0.234	ug/l #	10

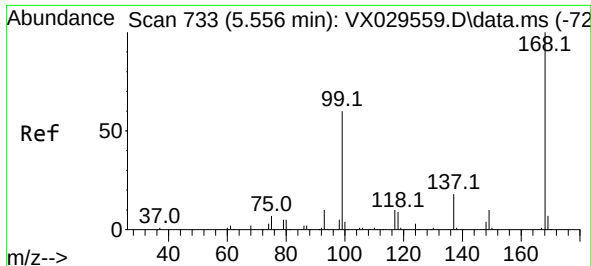
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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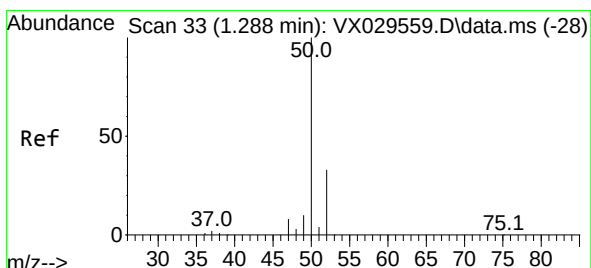
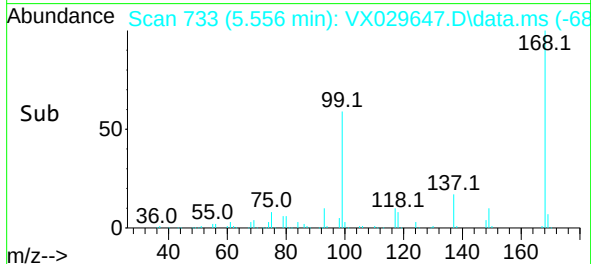
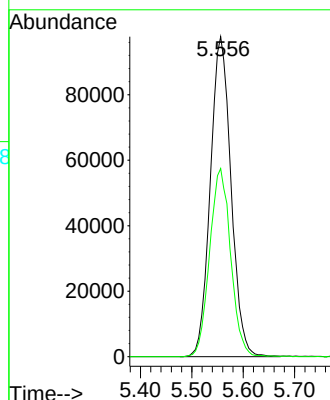
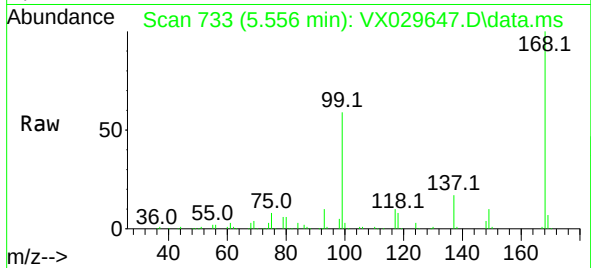




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

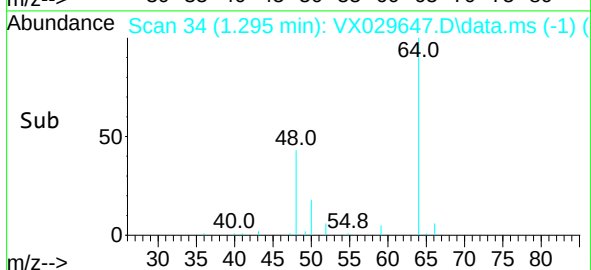
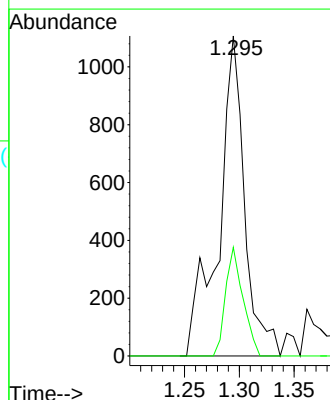
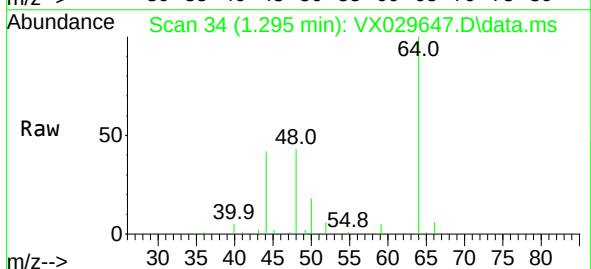
Instrument :
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ClientSampleId :
MW-54

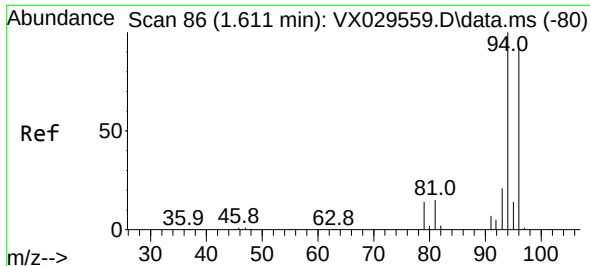
Tgt Ion:168 Resp: 273158
Ion Ratio Lower Upper
168 100
99 58.8 41.7 62.5



#3
Chloromethane
Concen: 0.512 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion: 50 Resp: 1825
Ion Ratio Lower Upper
50 100
52 34.0 26.4 39.6

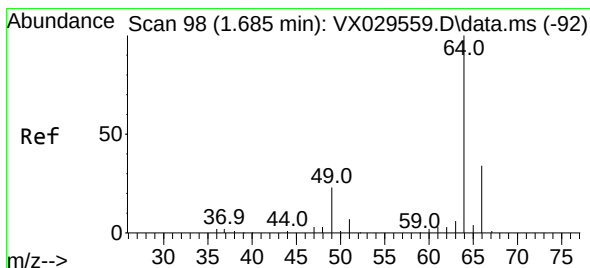
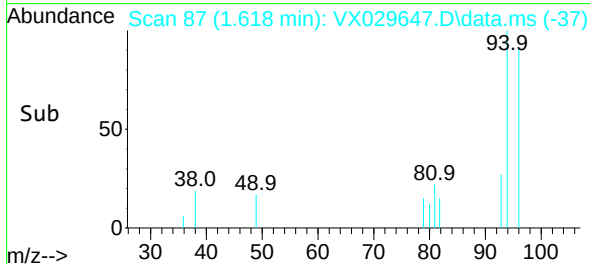
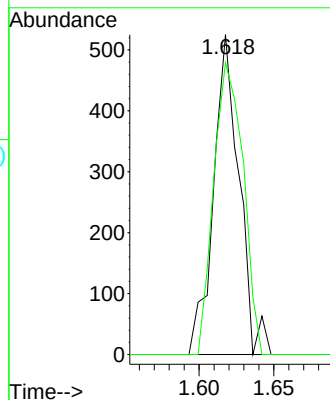
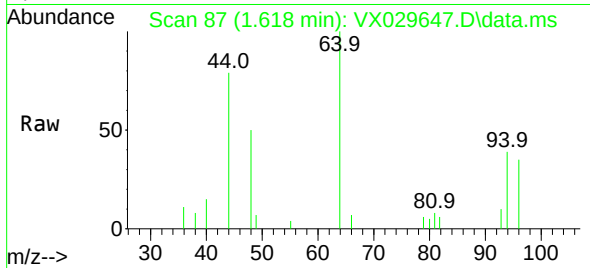




#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

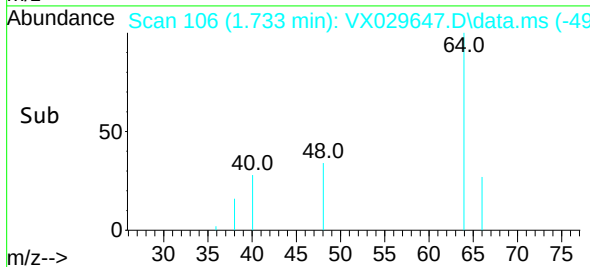
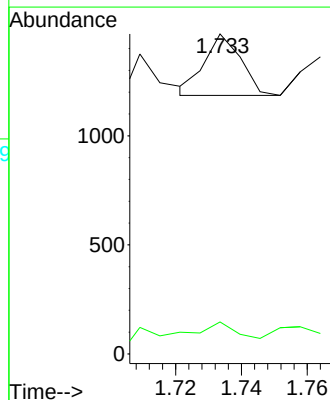
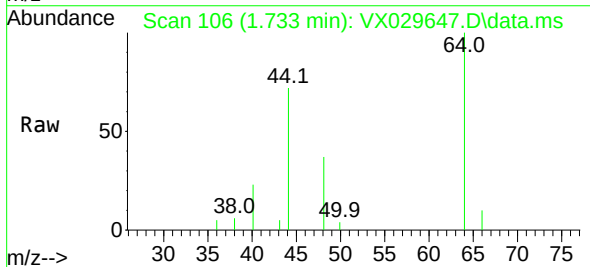
Instrument :
MSVOA_X
ClientSampleId :
MW-54

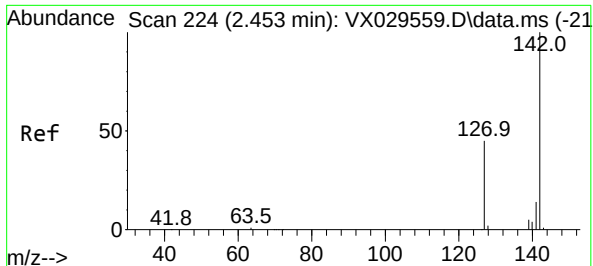
Tgt Ion: 94 Resp: 624
Ion Ratio Lower Upper
94 100
96 91.2 75.3 112.9



#6
Chloroethane
Concen: 1.374 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.048 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion: 64 Resp: 215
Ion Ratio Lower Upper
64 100
66 16.7 25.3 37.9#

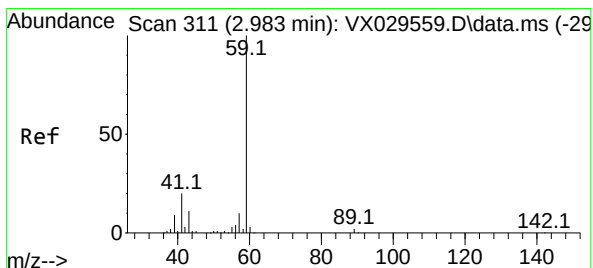
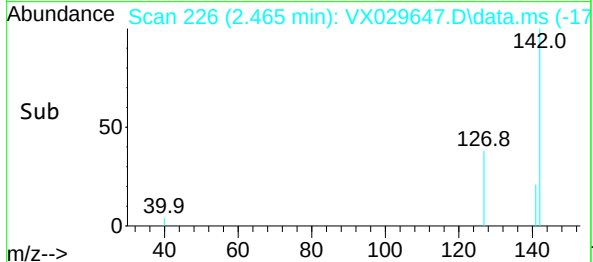
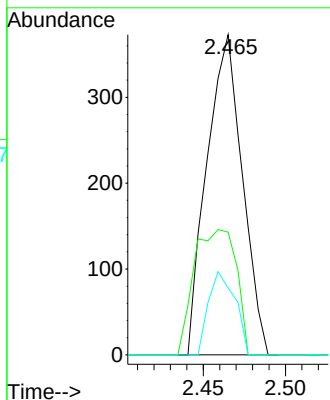
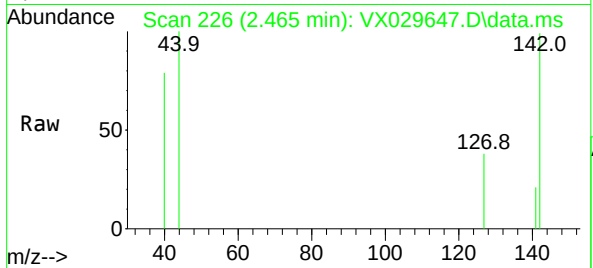




#10
Methyl Iodide
Concen: 3.178 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

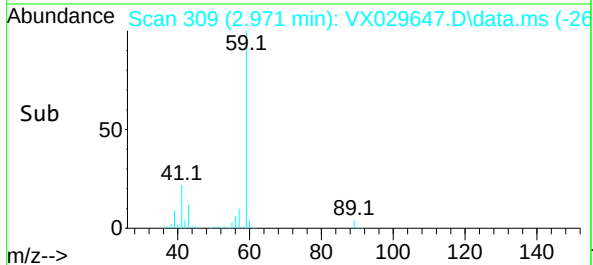
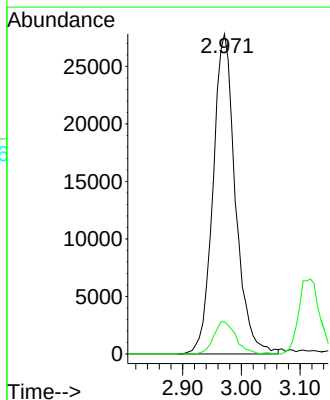
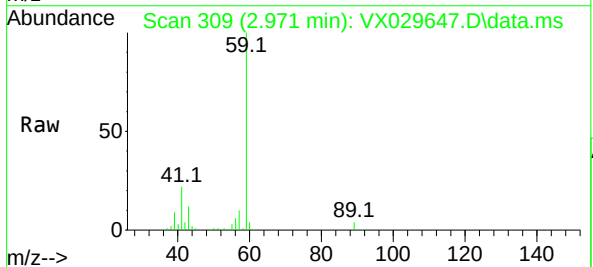
Instrument :
MSVOA_X
ClientSampleId :
MW-54

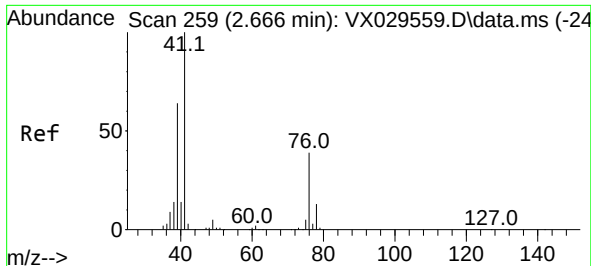
Tgt Ion:142 Resp: 559
Ion Ratio Lower Upper
142 100
127 46.7 33.9 50.9
141 19.5 11.4 17.2#



#11
Tert butyl alcohol
Concen: 87.593 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion: 59 Resp: 73758
Ion Ratio Lower Upper
59 100
57 9.9 8.3 12.5

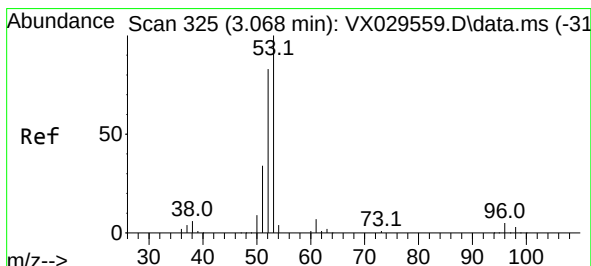
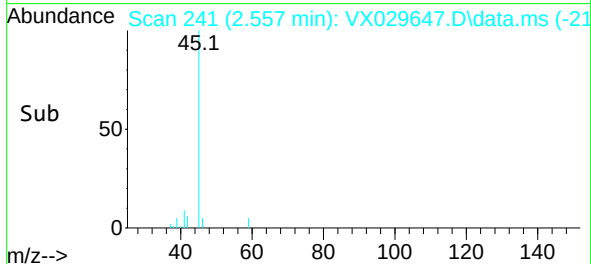
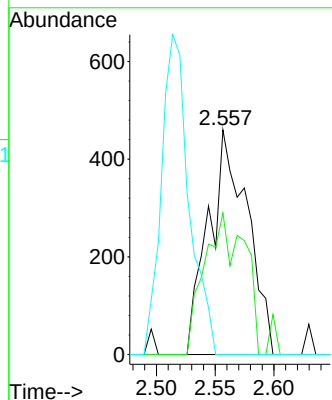
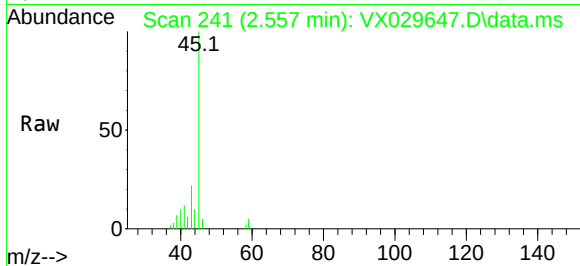




#14
 Allyl chloride
 Concen: 0.236 ug/l
 RT: 2.557 min Scan# 241
 Delta R.T. -0.109 min
 Lab File: VX029647.D
 Acq: 21 Jun 2022 07:42

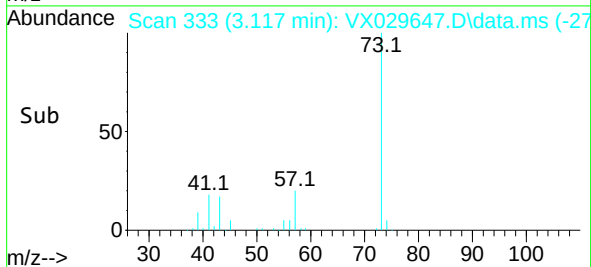
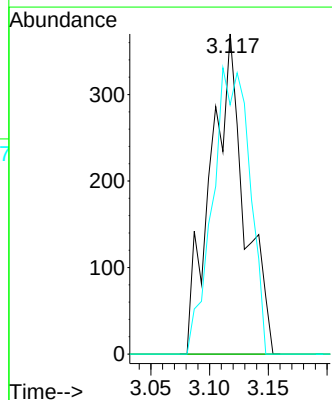
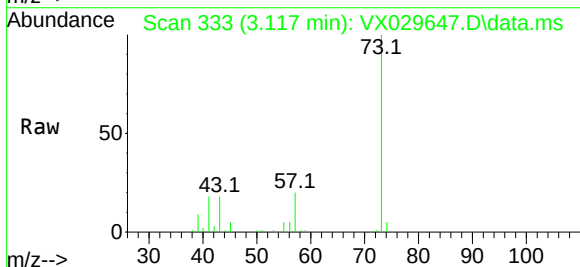
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-54

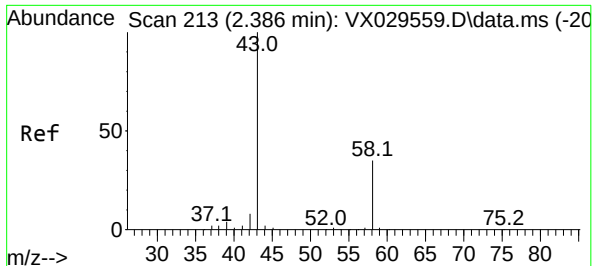
Tgt Ion: 41 Resp: 1054
 Ion Ratio Lower Upper
 41 100
 39 41.6 50.4 75.6#
 76 0.0 32.7 49.1#



#15
 Acrylonitrile
 Concen: 0.440 ug/l
 RT: 3.117 min Scan# 333
 Delta R.T. 0.049 min
 Lab File: VX029647.D
 Acq: 21 Jun 2022 07:42

Tgt Ion: 53 Resp: 744
 Ion Ratio Lower Upper
 53 100
 52 0.0 65.7 98.5#
 51 97.3 28.4 42.6#

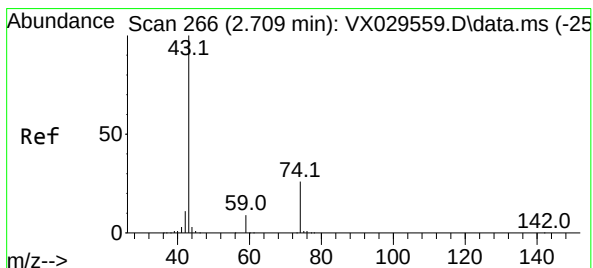
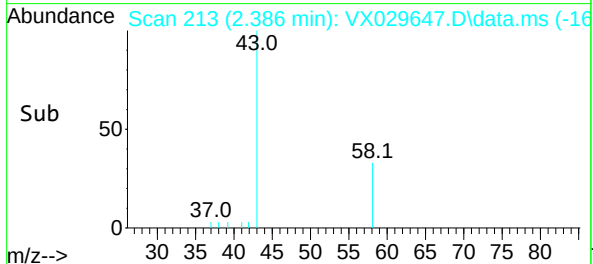
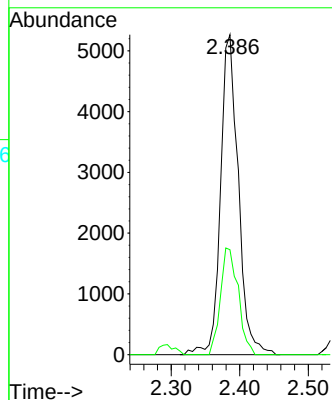
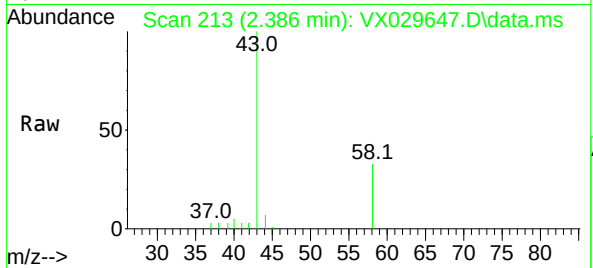




#16
Acetone
Concen: 6.566 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

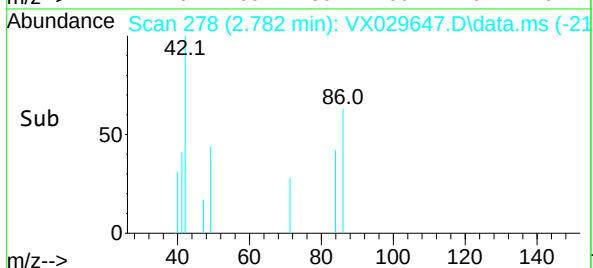
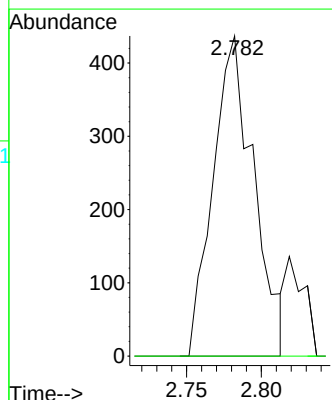
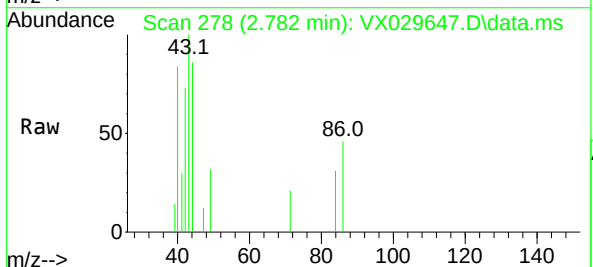
Instrument :
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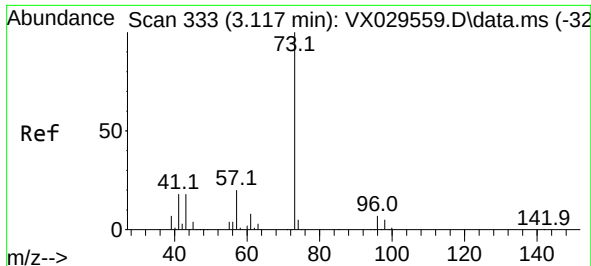
Tgt Ion: 43 Resp: 9463
Ion Ratio Lower Upper
43 100
58 32.8 28.8 43.2



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.073 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
74 0.0 22.8 34.2#

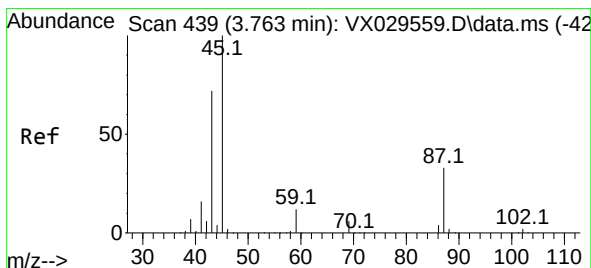
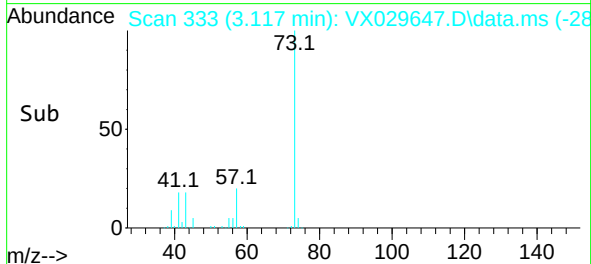
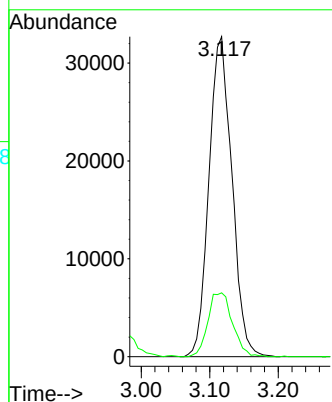
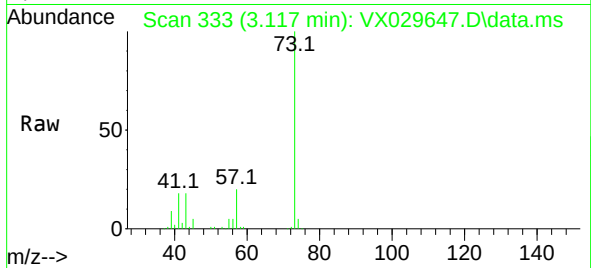




#19
Methyl tert-butyl Ether
Concen: 7.928 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

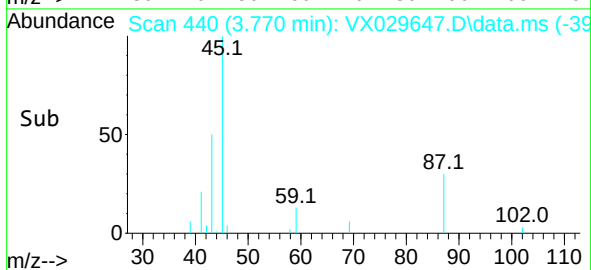
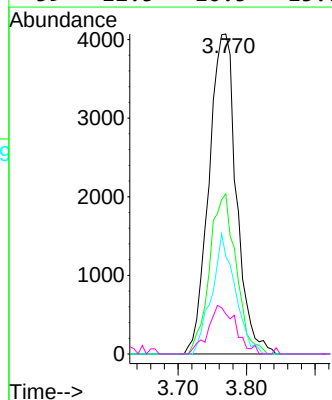
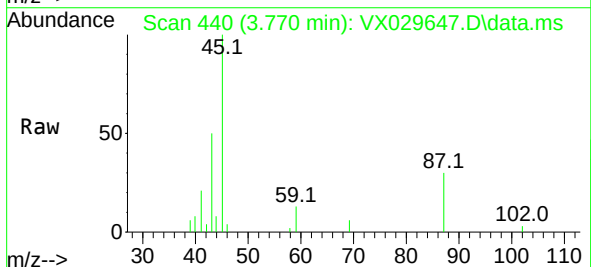
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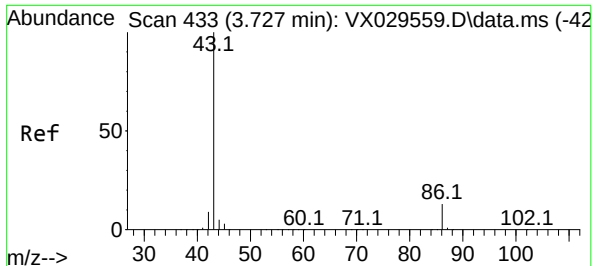
Tgt Ion: 73 Resp: 76165
Ion Ratio Lower Upper
73 100
57 20.0 16.8 25.2



#22
Diisopropyl ether
Concen: 1.283 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.007 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion: 45 Resp: 11338
Ion Ratio Lower Upper
45 100
43 50.1 50.8 76.2#
87 30.4 26.6 39.8
59 12.5 10.5 15.7

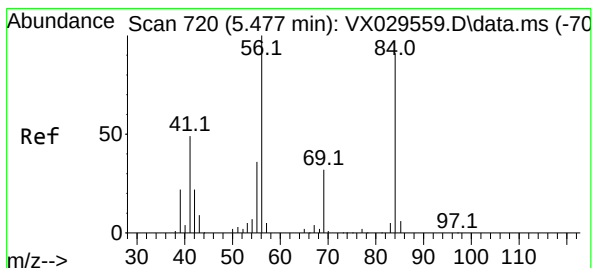
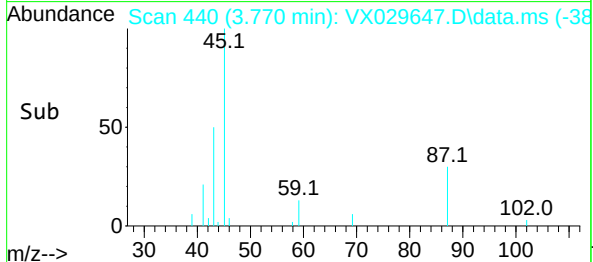
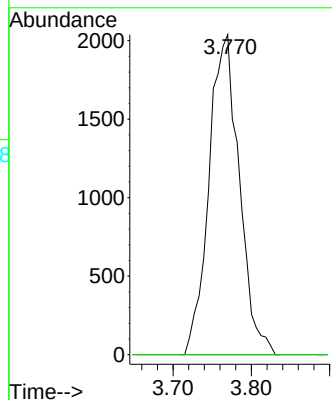
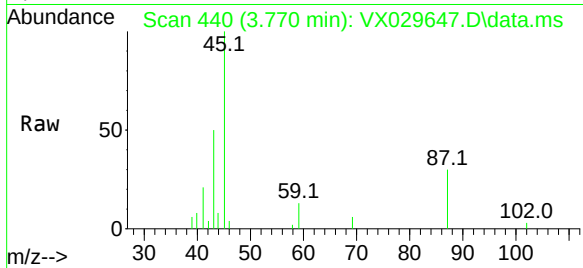




#23
 Vinyl Acetate
 Concen: 0.743 ug/l
 RT: 3.770 min Scan# 44
 Delta R.T. 0.043 min
 Lab File: VX029647.D
 Acq: 21 Jun 2022 07:42

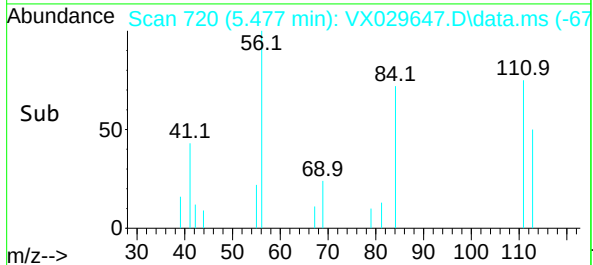
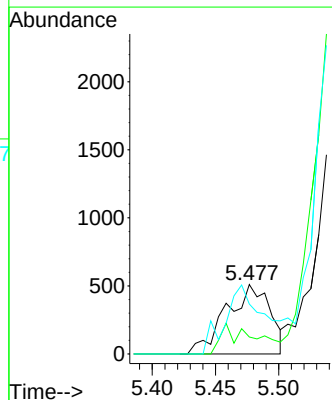
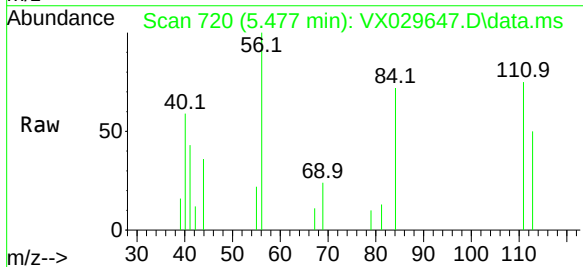
Instrument :
 MSVOA_X
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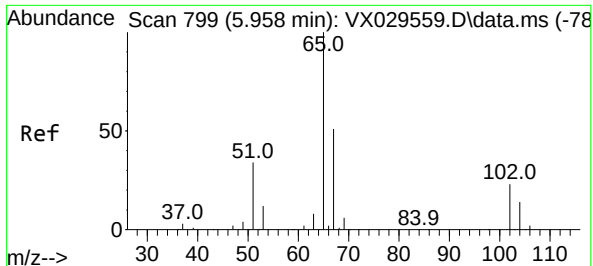
Tgt Ion: 43 Resp: 5483
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#31
 Cyclohexane
 Concen: 0.254 ug/l
 RT: 5.477 min Scan# 720
 Delta R.T. -0.000 min
 Lab File: VX029647.D
 Acq: 21 Jun 2022 07:42

Tgt Ion: 56 Resp: 1232
 Ion Ratio Lower Upper
 56 100
 69 24.3 26.7 40.1#
 84 72.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 43.106 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029647.D

Acq: 21 Jun 2022 07:42

Instrument :

MSVOA_X

ClientSampleId :

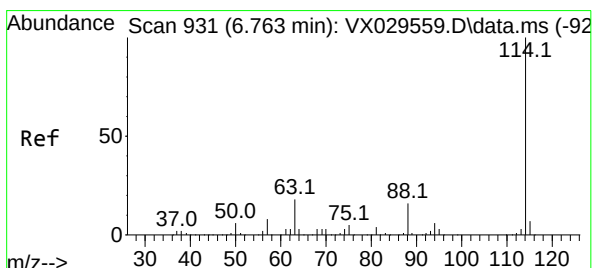
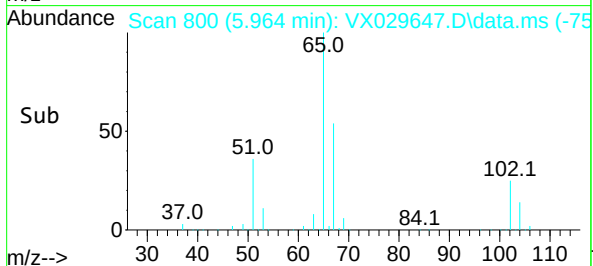
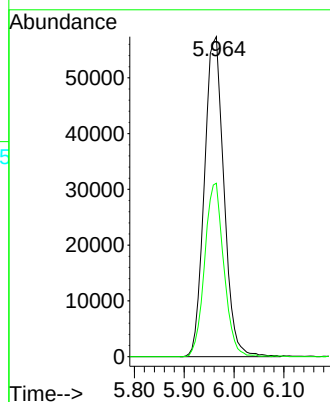
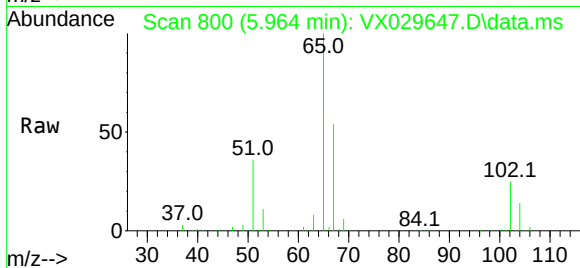
MW-54

Tgt Ion: 65 Resp: 155867

Ion Ratio Lower Upper

65 100

67 53.3 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: VX029647.D

Acq: 21 Jun 2022 07:42

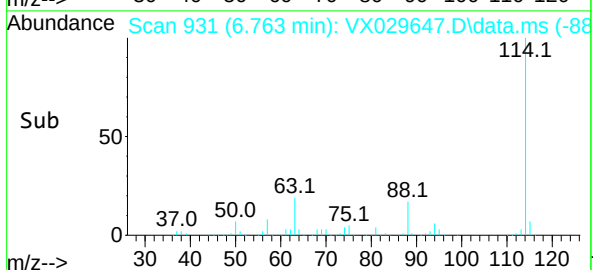
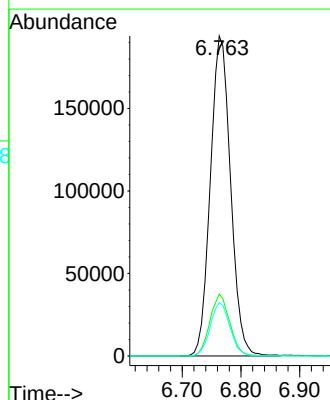
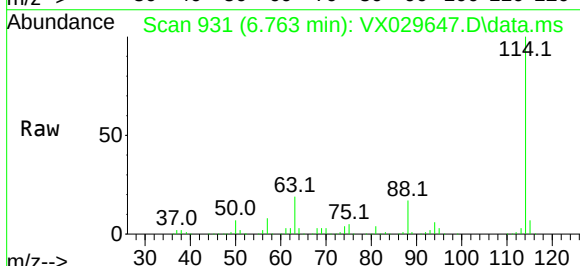
Tgt Ion: 114 Resp: 463235

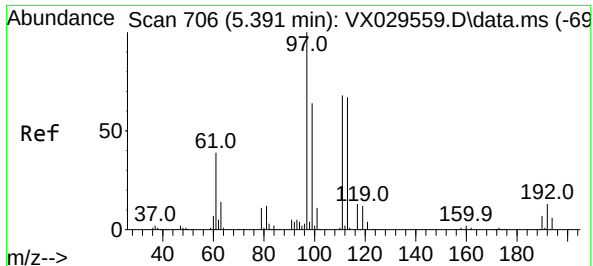
Ion Ratio Lower Upper

114 100

63 19.4 0.0 36.8

88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.552 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029647.D

Acq: 21 Jun 2022 07:42

Instrument :

MSVOA_X

ClientSampleId :

MW-54

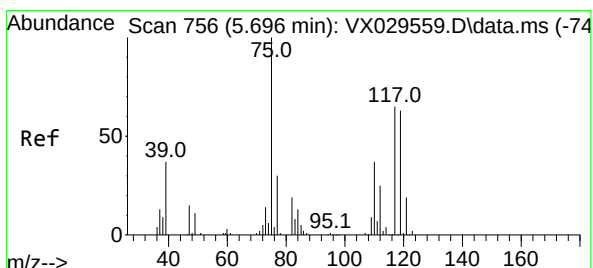
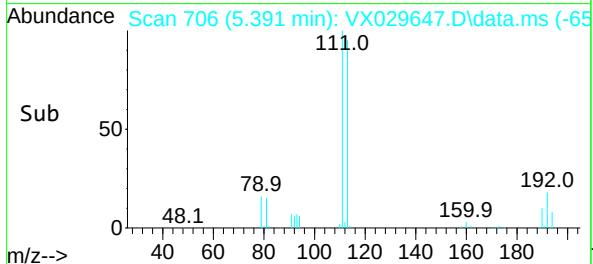
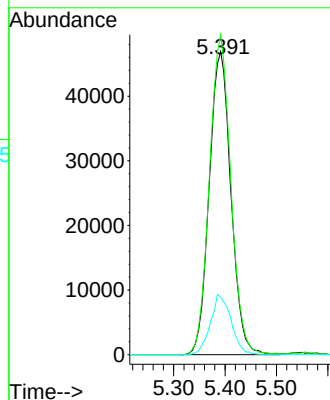
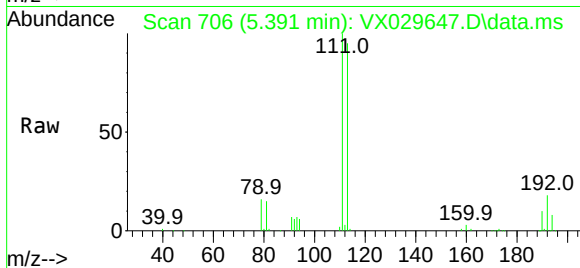
Tgt Ion:113 Resp: 137514

Ion Ratio Lower Upper

113 100

111 104.2 82.8 124.2

192 18.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 5.026 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029647.D

Acq: 21 Jun 2022 07:42

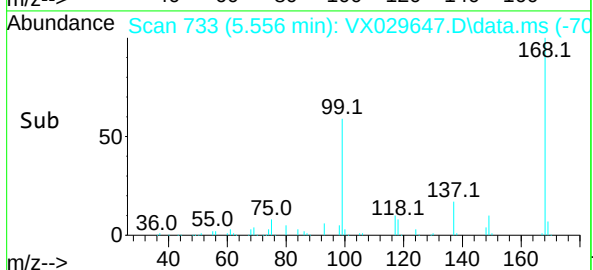
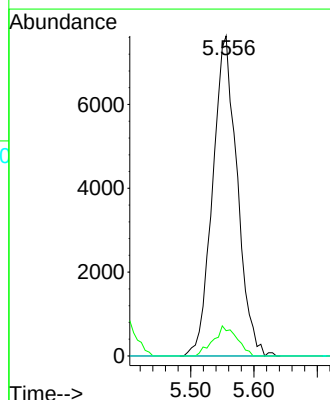
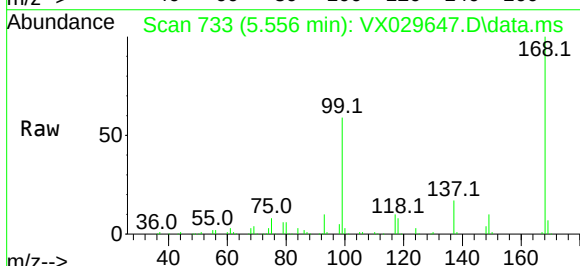
Tgt Ion: 75 Resp: 20535

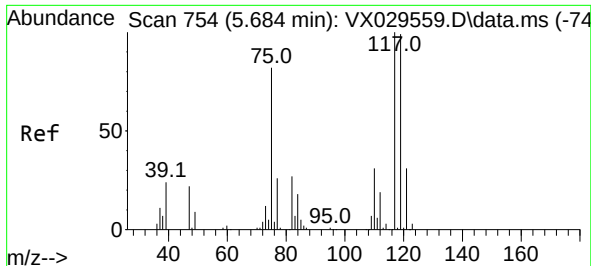
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

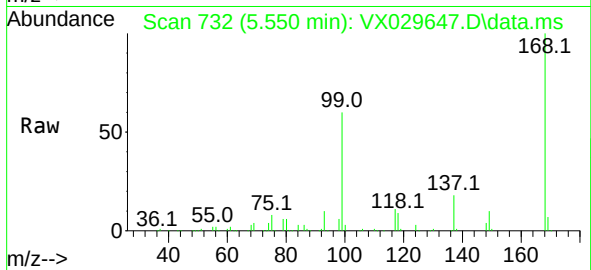
77 0.0 24.8 37.2#



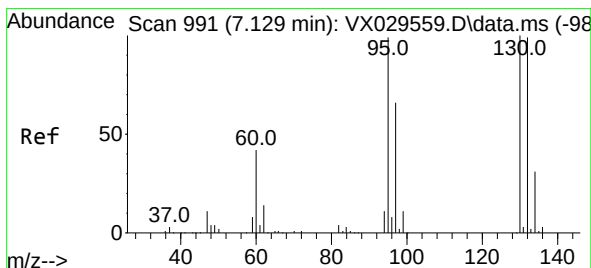
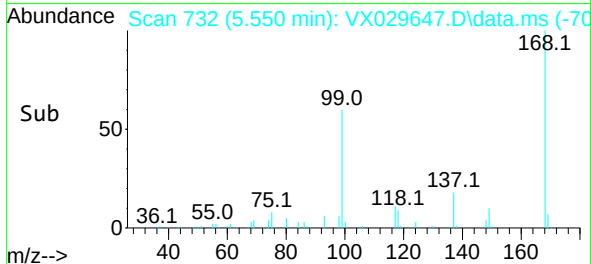
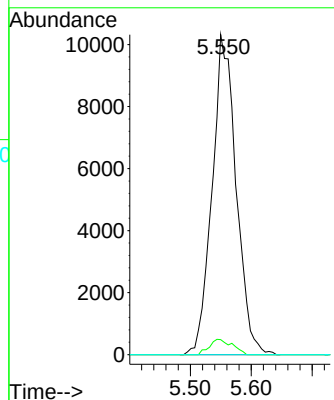


#38
Carbon Tetrachloride
Concen: 7.029 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Instrument :
MSVOA_X
ClientSampleId :
MW-54

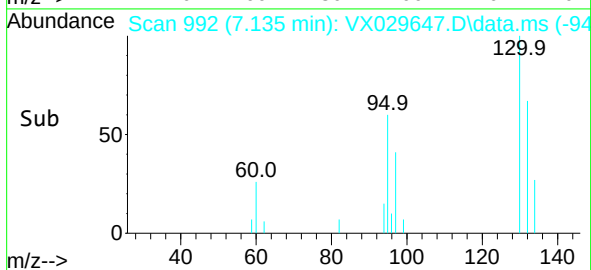
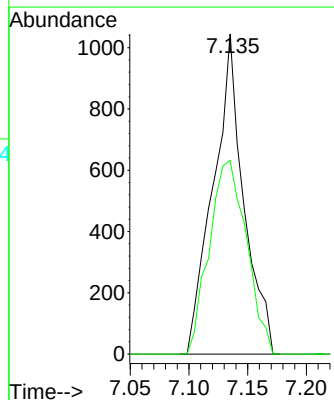
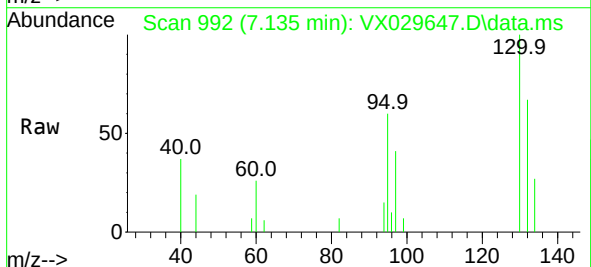


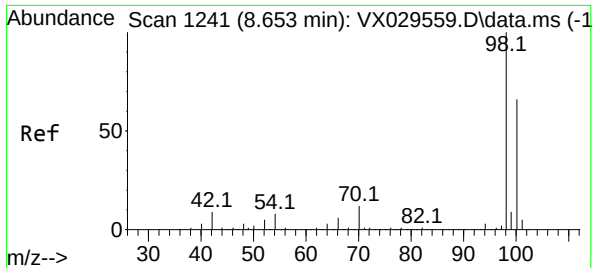
Tgt Ion:117 Resp: 28244
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion:130 Resp: 1882
Ion Ratio Lower Upper
130 100
95 60.5 0.0 188.8

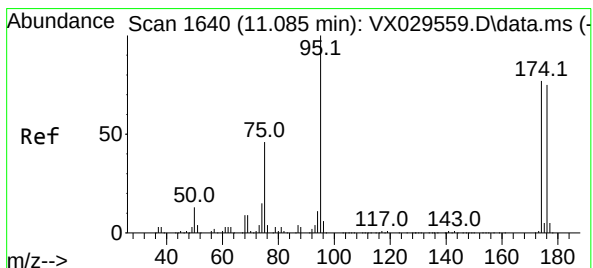
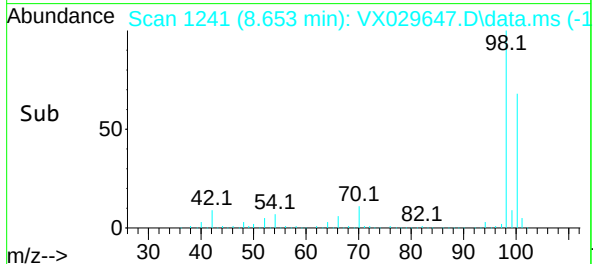
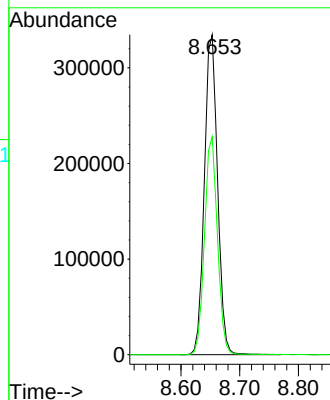
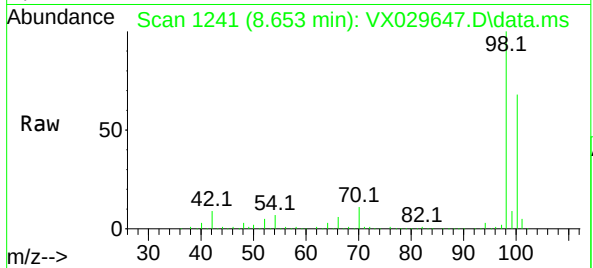




#50
Toluene-d8
Concen: 47.380 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

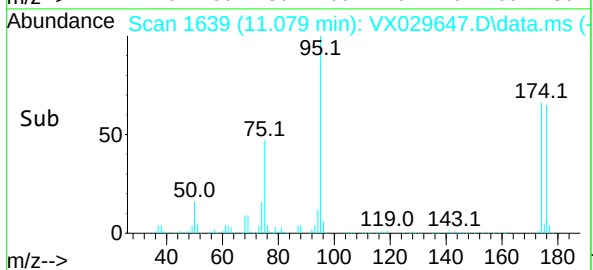
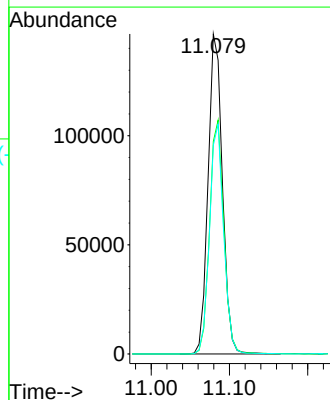
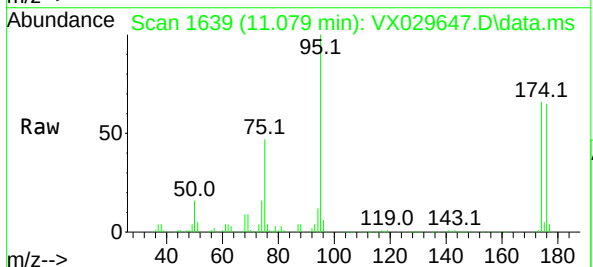
Instrument :
MSVOA_X
ClientSampleId :
MW-54

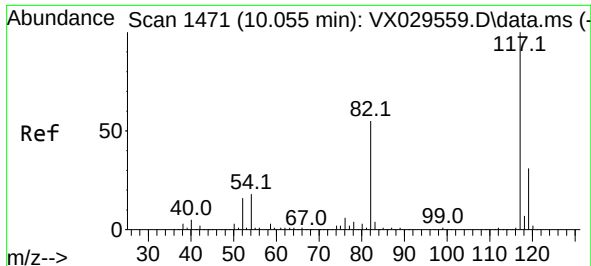
Tgt Ion: 98 Resp: 522527
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 44.689 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion: 95 Resp: 185858
Ion Ratio Lower Upper
95 100
174 72.6 0.0 163.0
176 70.7 0.0 155.0

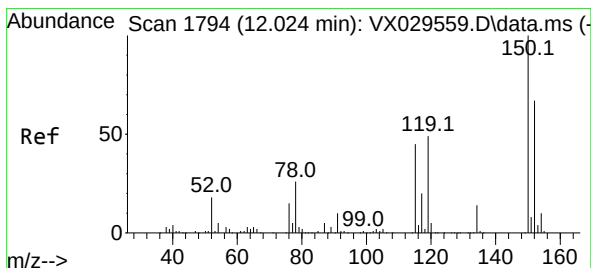
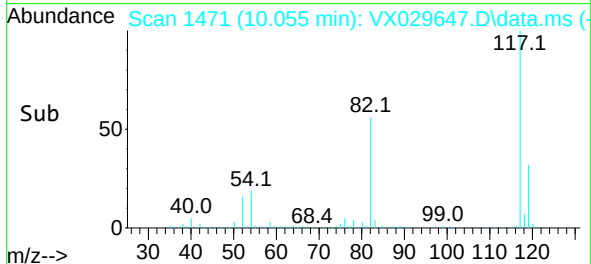
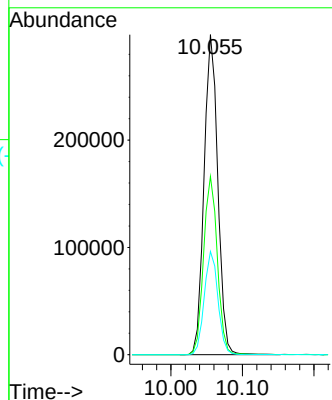
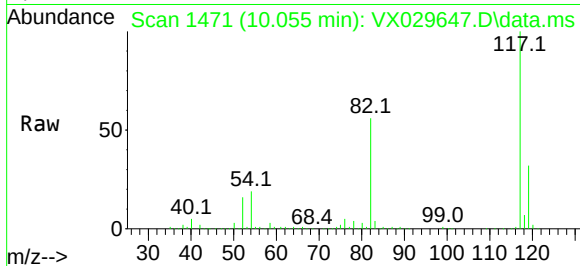




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

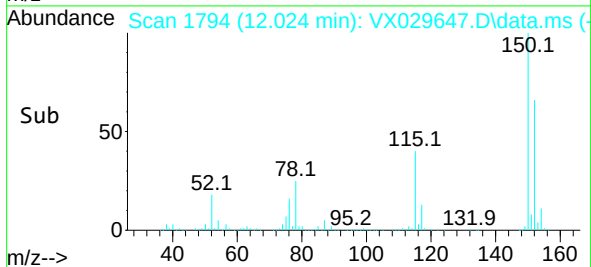
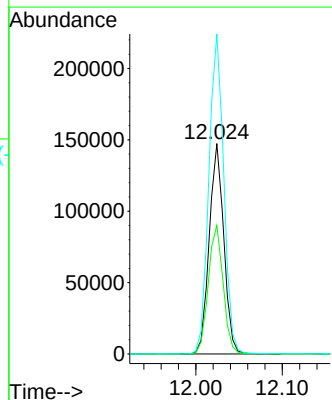
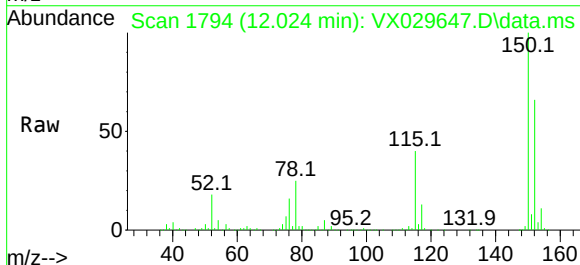
Instrument :
MSVOA_X
ClientSampleId :
MW-54

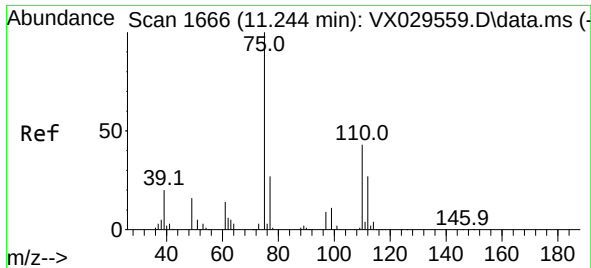
Tgt Ion:117 Resp: 398884
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 32.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Tgt Ion:152 Resp: 172363
Ion Ratio Lower Upper
152 100
115 62.3 37.5 112.7
150 155.3 0.0 338.2

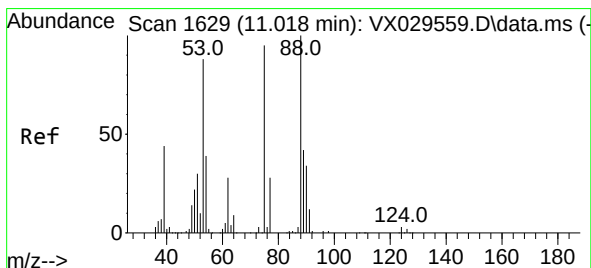
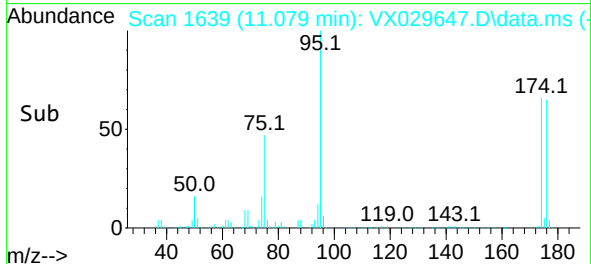
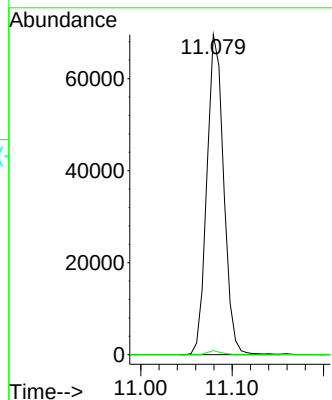
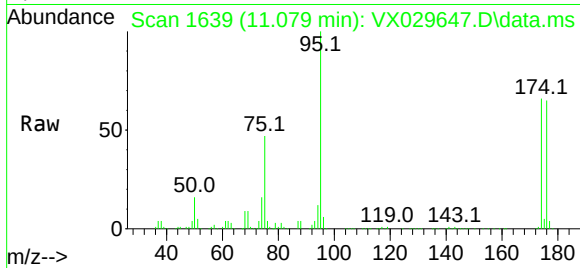




#76
1,2,3-Trichloropropane
Concen: 23.615 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

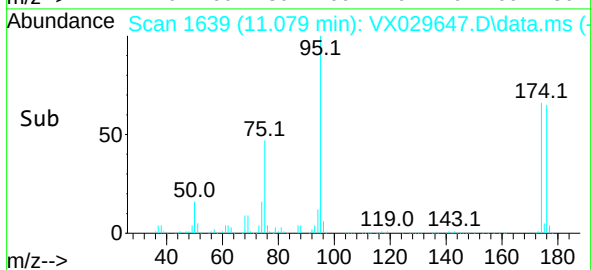
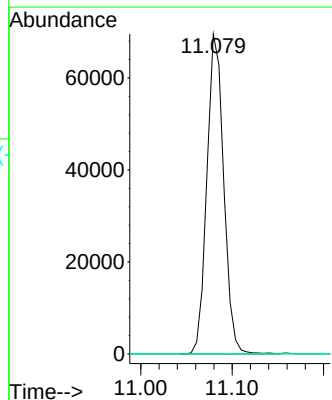
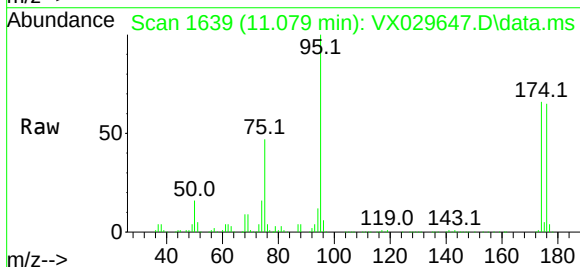
Instrument :
MSVOA_X
ClientSampleId :
MW-54

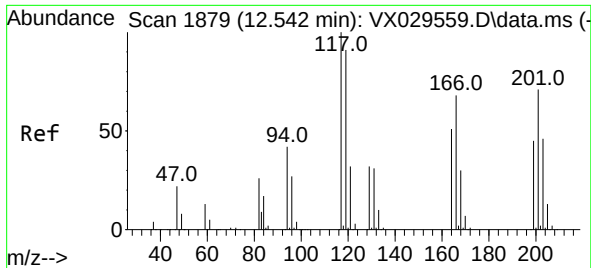
Tgt Ion: 75 Resp: 88671
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.560 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

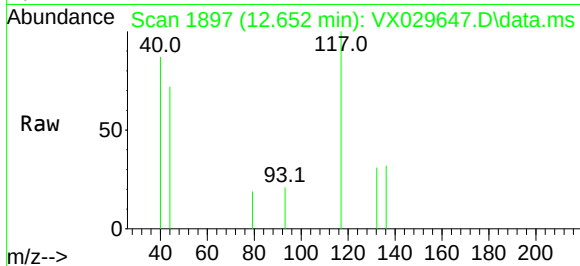
Tgt Ion: 75 Resp: 88671
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90
Hexachloroethane
Concen: 0.234 ug/l
RT: 12.652 min Scan# 11
Delta R.T. 0.110 min
Lab File: VX029647.D
Acq: 21 Jun 2022 07:42

Instrument :
MSVOA_X
ClientSampleId :
MW-54



Tgt Ion:117 Resp: 369
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

