

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029861.D
 Acq On : 29 Jun 2022 14:56
 Operator : JC/MD
 Sample : N3505-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20220624

Quant Time: Jun 29 22:59:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 05:54:51 2022
 Response via : Initial Calibration

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

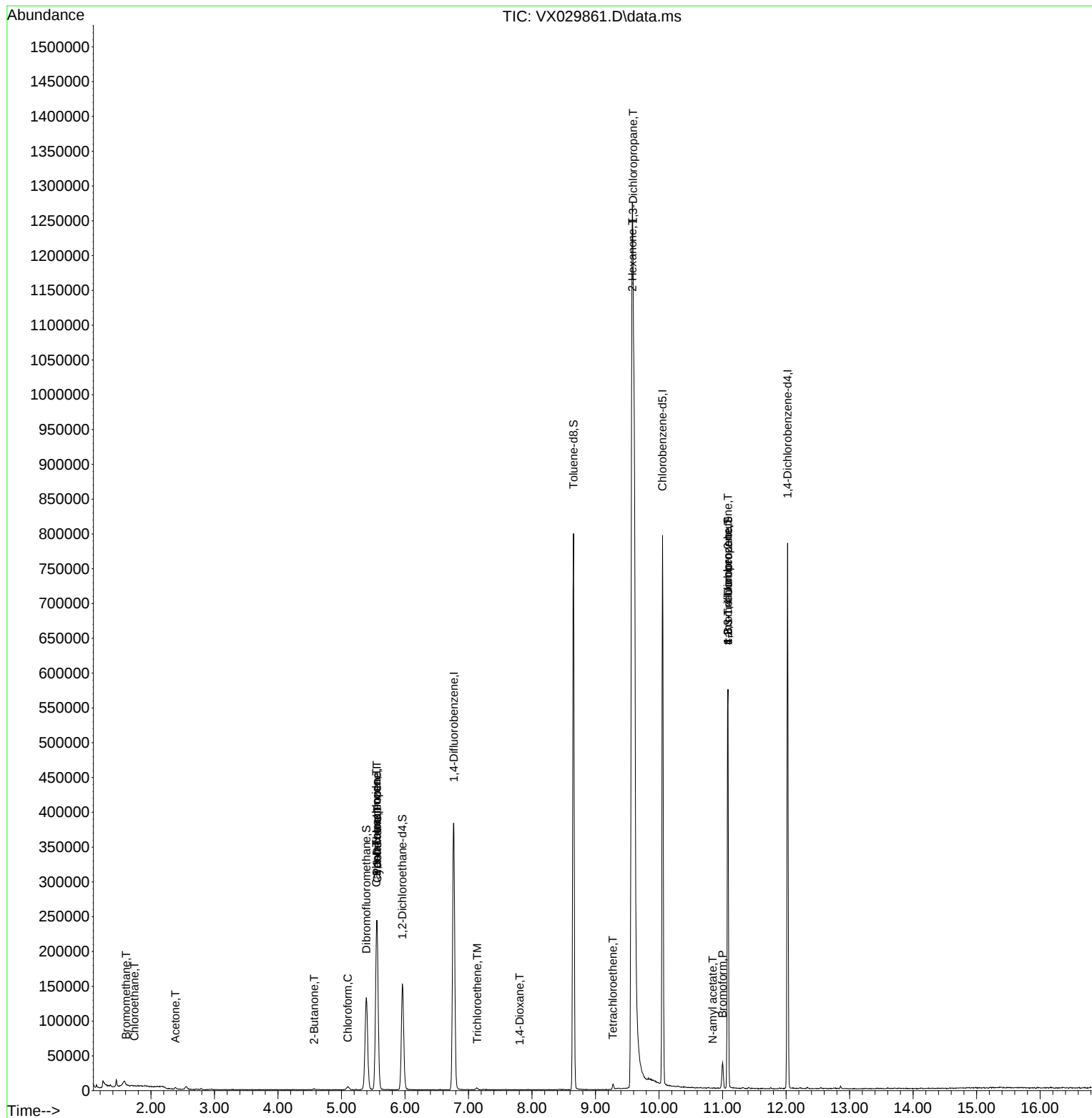
Internal Standards						
1) Pentafluorobenzene	5.556	168	241665	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	421794	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	133774	43.730	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	87.460%
35) Dibromofluoromethane	5.391	113	116853	44.330	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.660%
50) Toluene-d8	8.653	98	471887	47.719	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.440%
62) 4-Bromofluorobenzene	11.085	95	158945	45.470	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.940%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	367	0.247	ug/l #	35
6) Chloroethane	1.739	64	149	1.110	ug/l #	75
13) Acrolein	2.245	56	311	Below Cal	#	68
16) Acetone	2.386	43	2686	1.795	ug/l	94
25) 2-Butanone	4.568	43	2959	1.139	ug/l #	79
30) Chloroform	5.099	83	5198	1.083	ug/l	93
31) Cyclohexane	5.562	56	4744	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	18091	5.160	ug/l #	48
38) Carbon Tetrachloride	5.550	117	22594	7.437	ug/l #	17
44) Trichloroethene	7.135	130	1035	0.339	ug/l	89
49) 1,4-Dioxane	7.805	88	21	0.259	ug/l #	1
57) 1,3-Dichloropropane	9.592	76	8090	1.687	ug/l #	43
59) 2-Hexanone	9.579	43	652032	176.465	ug/l #	36
64) Tetrachloroethene	9.275	164	927	0.429	ug/l #	80
71) Bromoform	11.000	173	1350	0.787	ug/l #	64
74) N-amyl acetate	10.848	43	1146	0.202	ug/l #	48
76) 1,2,3-Trichloropropane	11.085	75	74257	19.563	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	74257	62.128	ug/l #	13

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

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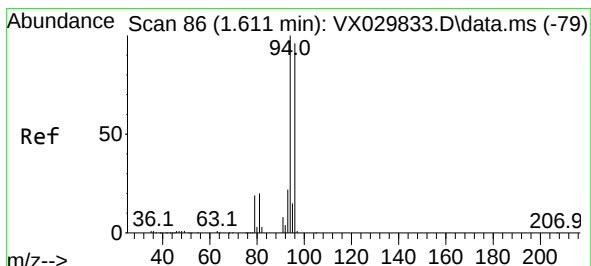
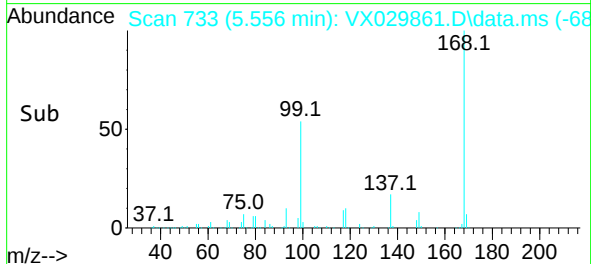
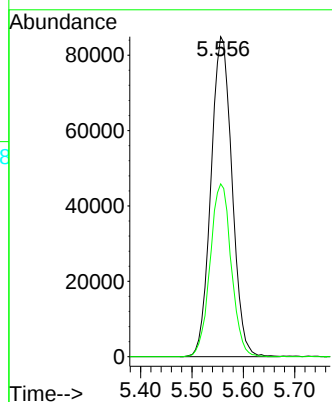
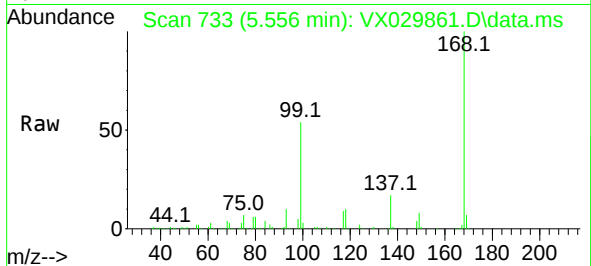




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

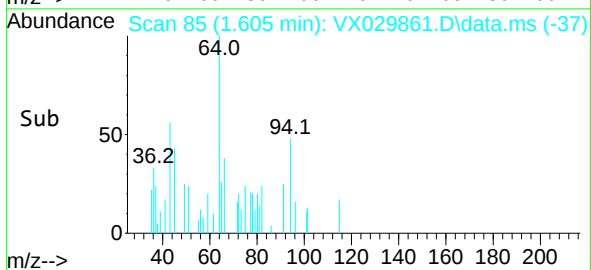
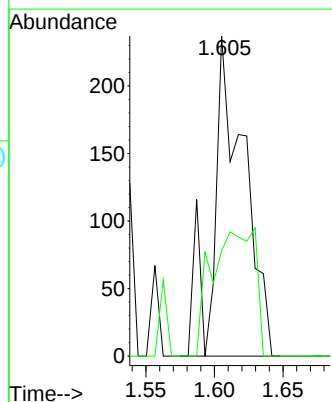
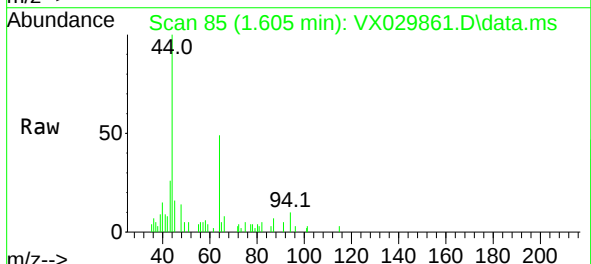
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

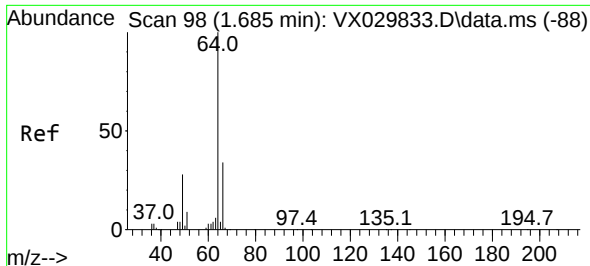
Tgt Ion:168 Resp: 241665
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#5
Bromomethane
Concen: 0.247 ug/l
RT: 1.605 min Scan# 85
Delta R.T. -0.006 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 32.9 76.9 115.3#

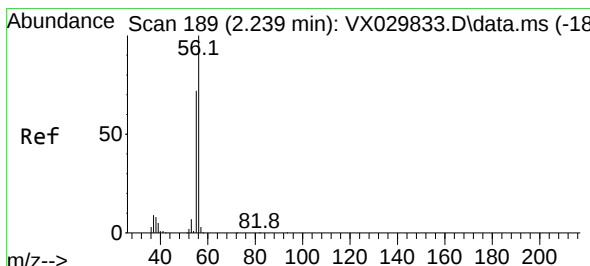
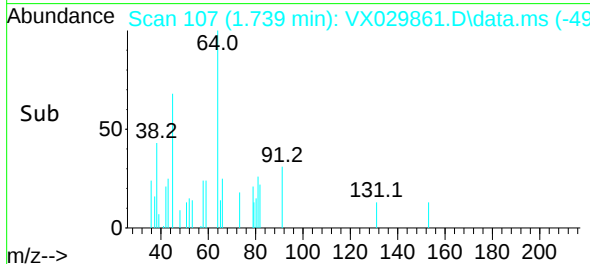
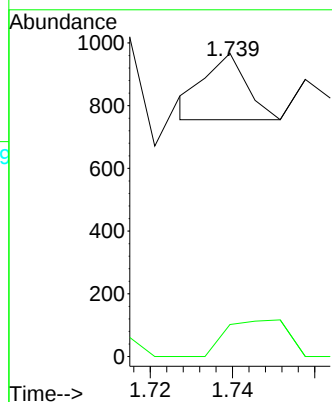
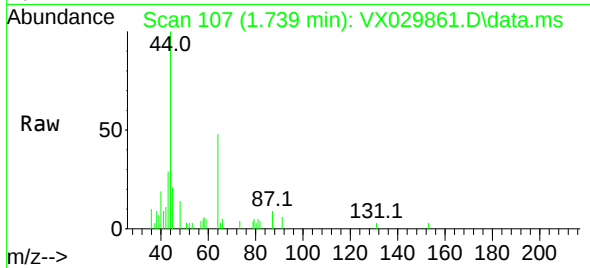




#6
Chloroethane
Concen: 1.110 ug/l
RT: 1.739 min Scan# 107
Delta R.T. 0.054 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

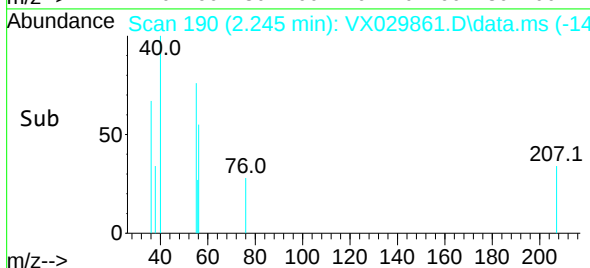
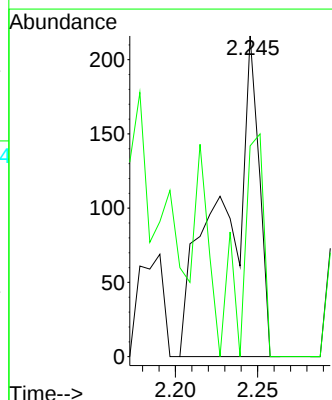
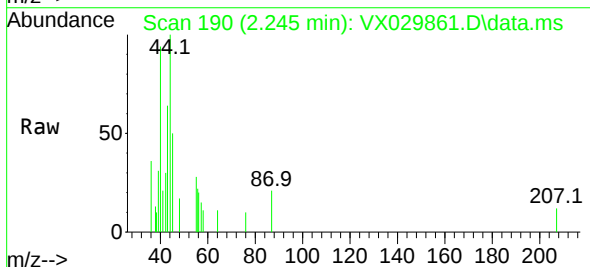
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

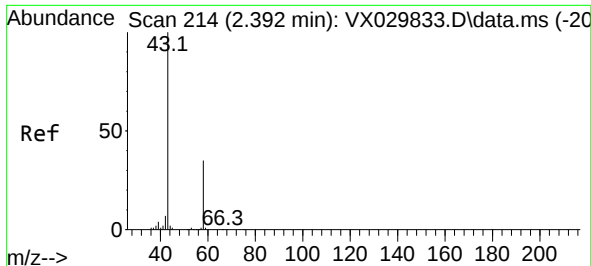
Tgt Ion: 64 Resp: 149
Ion Ratio Lower Upper
64 100
66 48.1 27.2 40.8#



#13
Acrolein
Concen: Below Cal
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion: 56 Resp: 311
Ion Ratio Lower Upper
56 100
55 44.4 56.6 84.8#

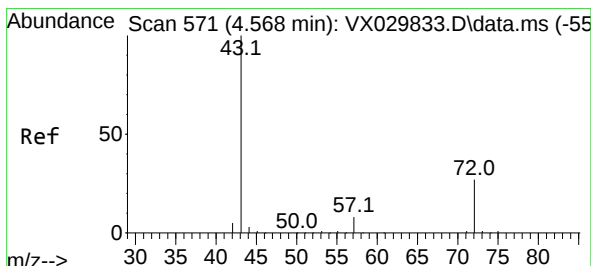
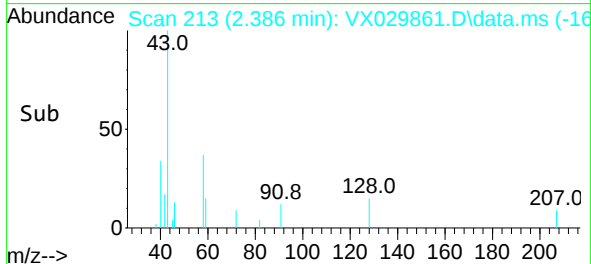
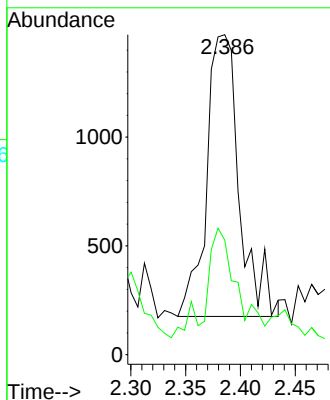
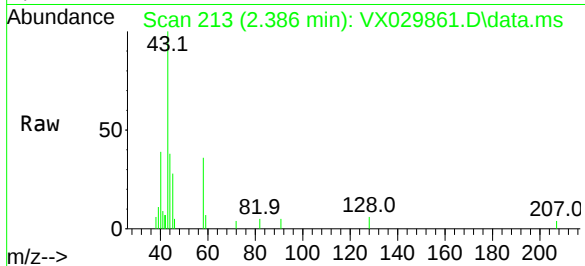




#16
Acetone
Concen: 1.795 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

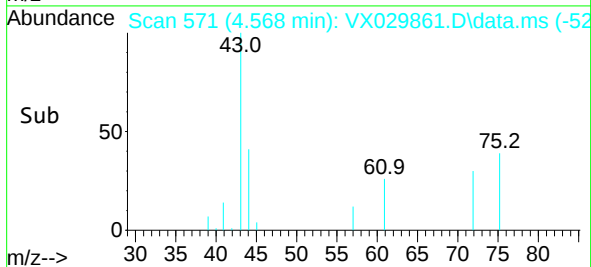
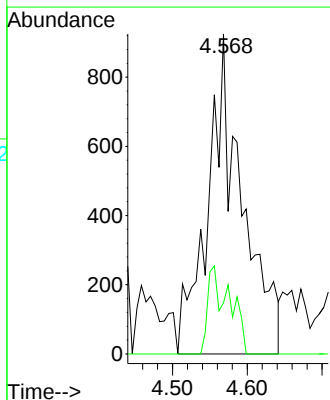
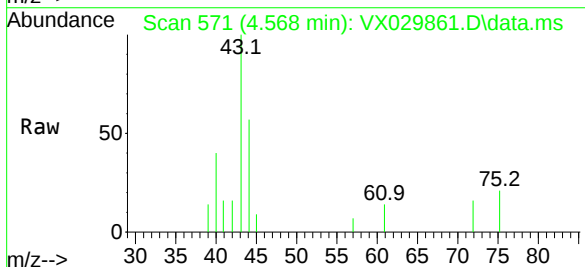
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

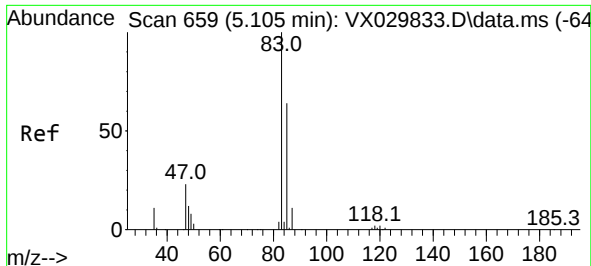
Tgt Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
58 30.9 27.7 41.5



#25
2-Butanone
Concen: 1.139 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion: 43 Resp: 2959
Ion Ratio Lower Upper
43 100
72 16.0 21.7 32.5#

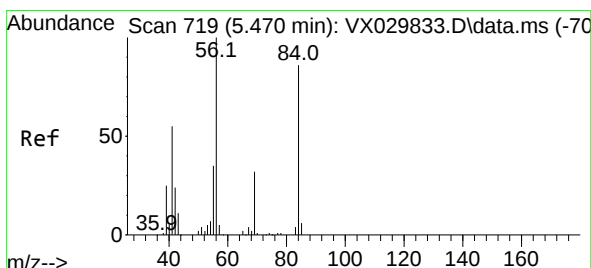
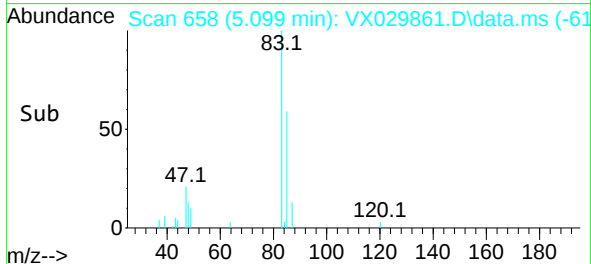
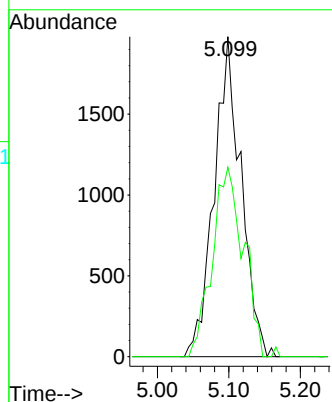
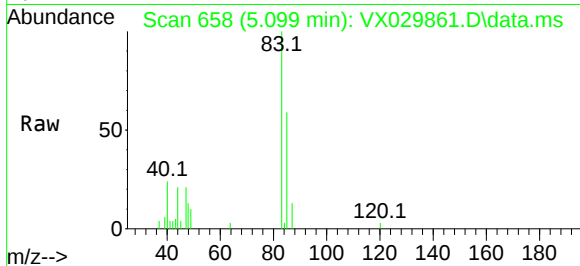




#30
Chloroform
Concen: 1.083 ug/l
RT: 5.099 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

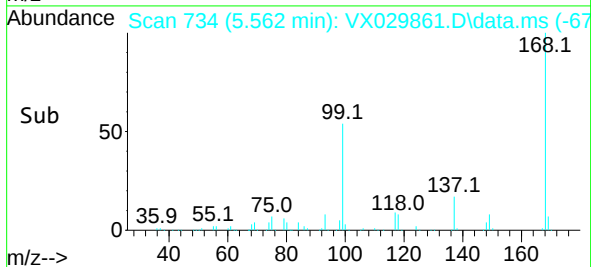
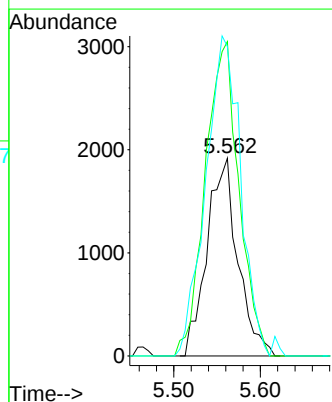
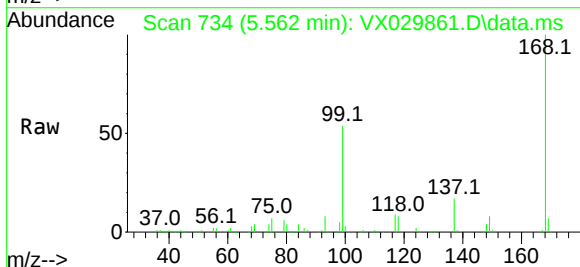
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

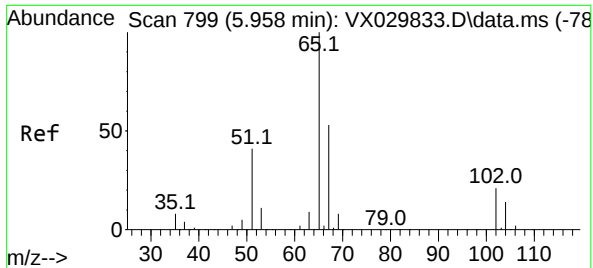
Tgt Ion: 83 Resp: 5198
Ion Ratio Lower Upper
83 100
85 59.2 51.5 77.3



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.091 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion: 56 Resp: 4744
Ion Ratio Lower Upper
56 100
69 159.0 25.4 38.0#
84 153.0 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 43.730 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX029861.D

Acq: 29 Jun 2022 14:56

Instrument :

MSVOA_X

ClientSampleId :

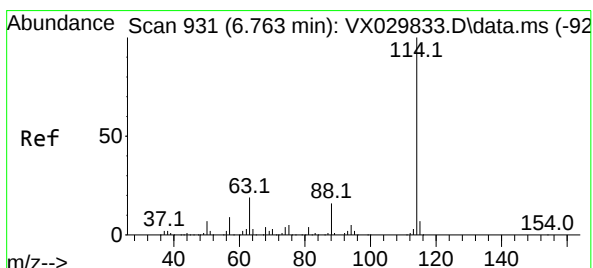
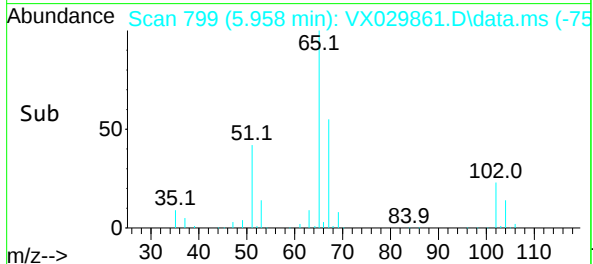
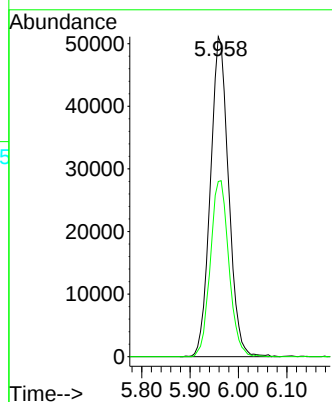
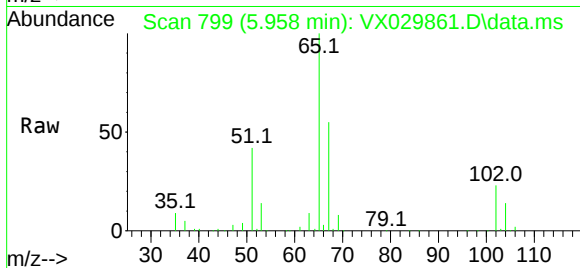
MW-1-20220624

Tgt Ion: 65 Resp: 133774

Ion Ratio Lower Upper

65 100

67 55.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX029861.D

Acq: 29 Jun 2022 14:56

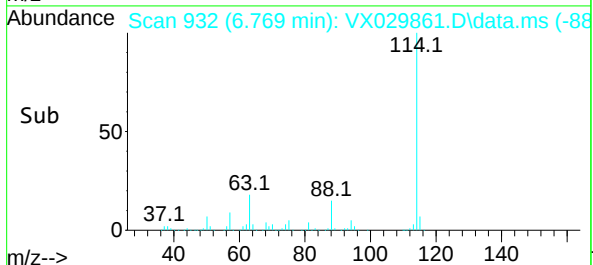
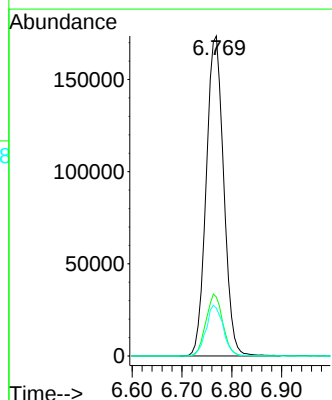
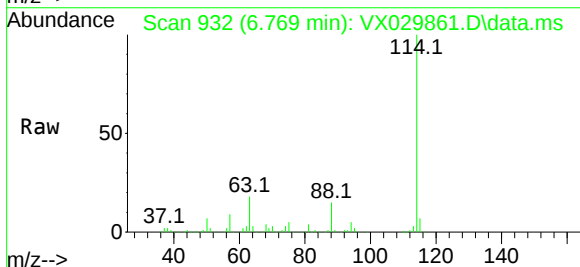
Tgt Ion: 114 Resp: 421794

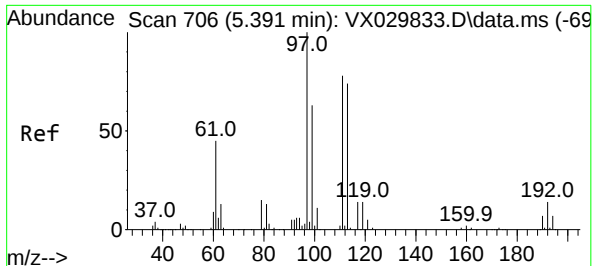
Ion Ratio Lower Upper

114 100

63 18.4 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 44.330 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029861.D

Acq: 29 Jun 2022 14:56

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20220624

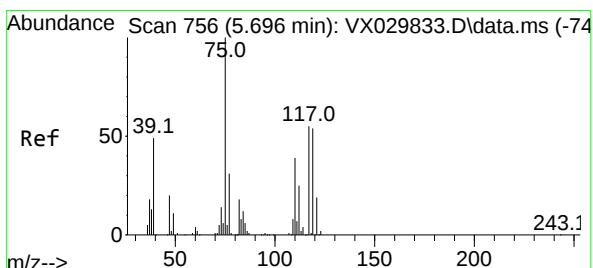
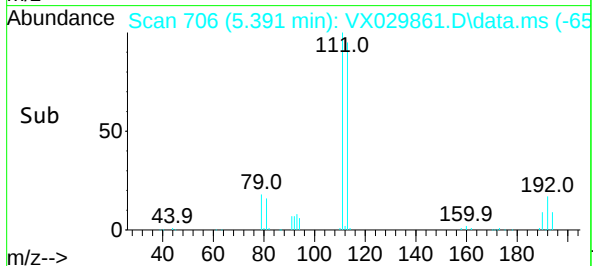
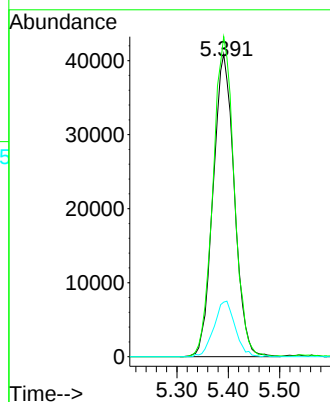
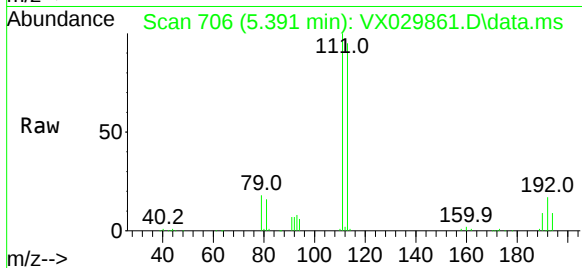
Tgt Ion:113 Resp: 116853

Ion Ratio Lower Upper

113 100

111 105.5 83.2 124.8

192 18.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.160 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029861.D

Acq: 29 Jun 2022 14:56

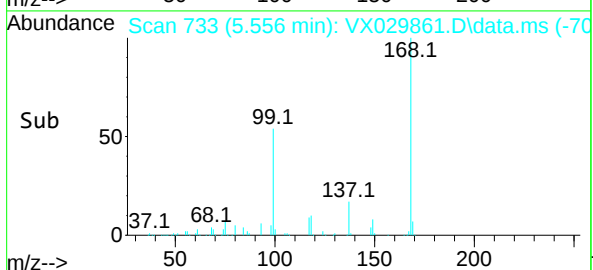
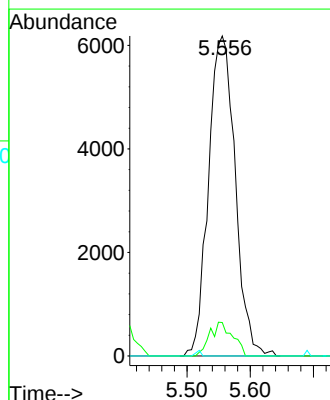
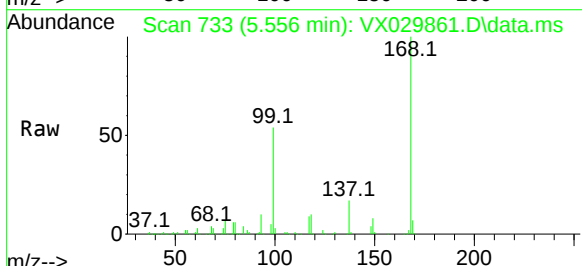
Tgt Ion: 75 Resp: 18091

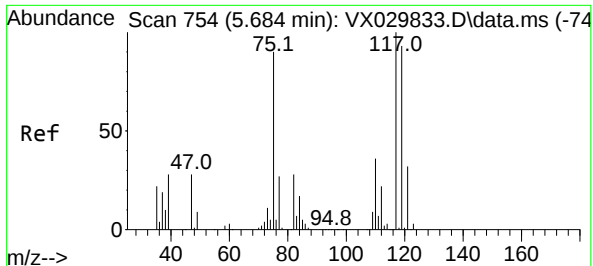
Ion Ratio Lower Upper

75 100

110 9.1 19.3 57.9#

77 0.0 24.4 36.6#

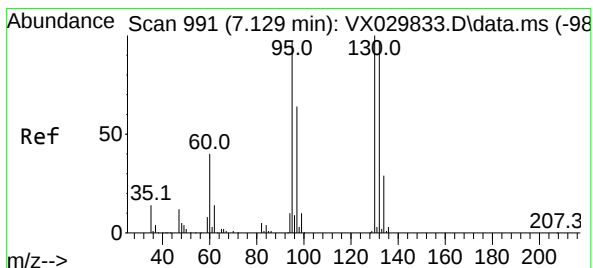
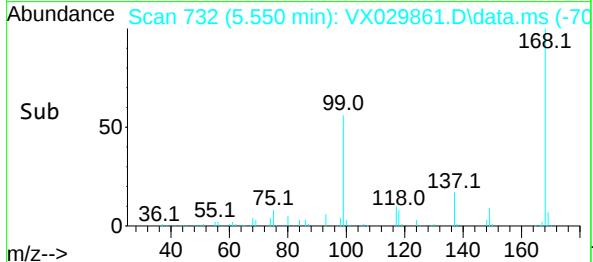
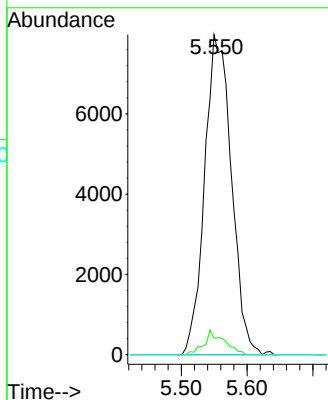
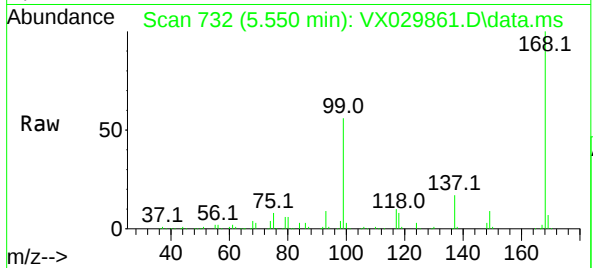




#38
Carbon Tetrachloride
Concen: 7.437 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

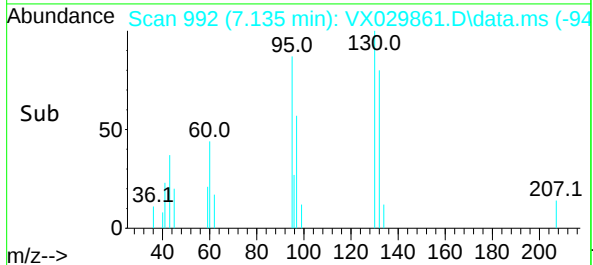
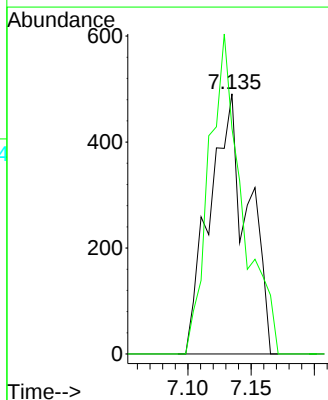
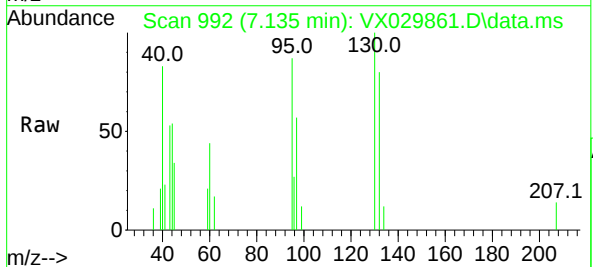
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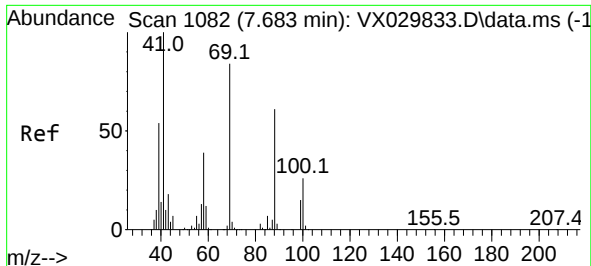
Tgt Ion:117 Resp: 22594
Ion Ratio Lower Upper
117 100
119 5.2 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 0.339 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion:130 Resp: 1035
Ion Ratio Lower Upper
130 100
95 86.8 0.0 194.8





#49

1,4-Dioxane

Concen: 0.259 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.122 min

Lab File: VX029861.D

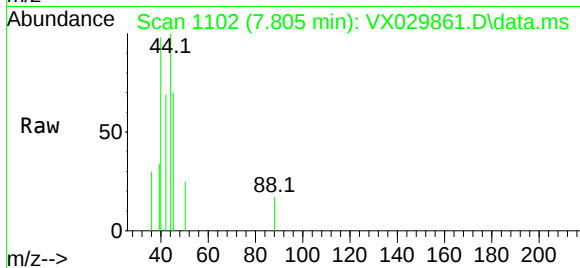
Acq: 29 Jun 2022 14:56

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20220624



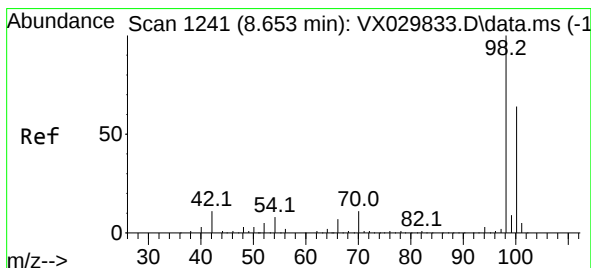
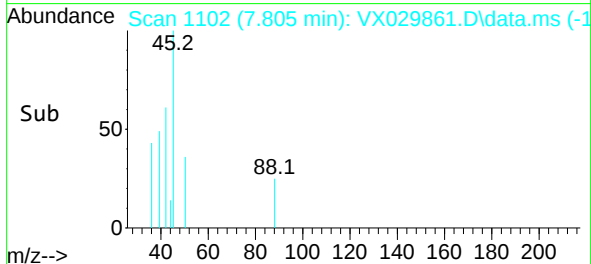
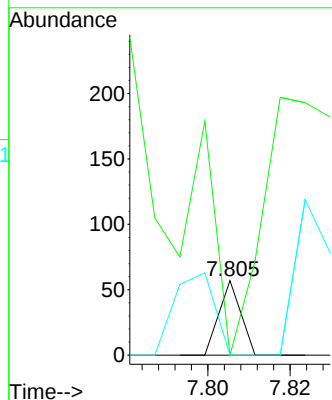
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 204.8 53.8 80.6#



#50

Toluene-d8

Concen: 47.719 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029861.D

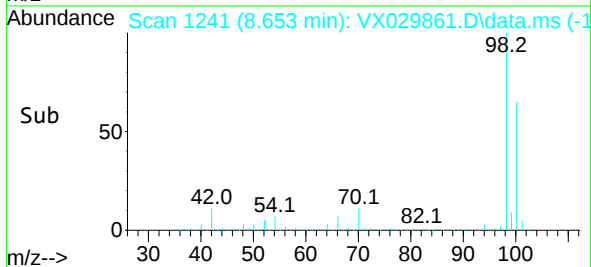
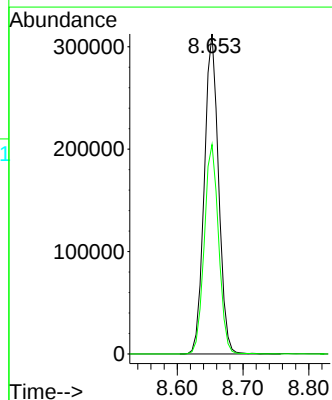
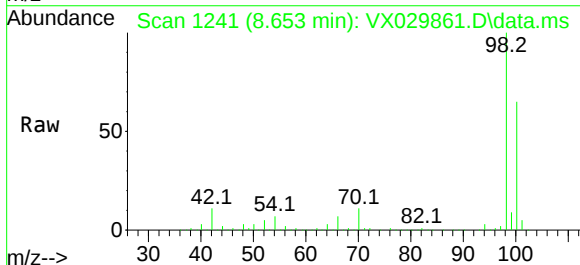
Acq: 29 Jun 2022 14:56

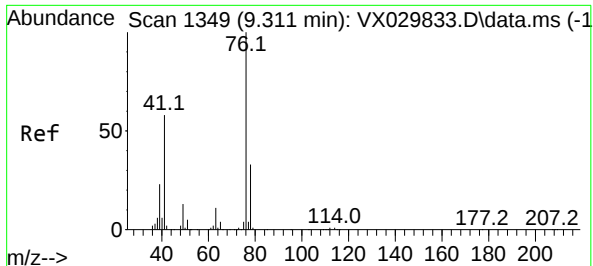
Tgt Ion: 98 Resp: 471887

Ion Ratio Lower Upper

98 100

100 65.7 52.3 78.5

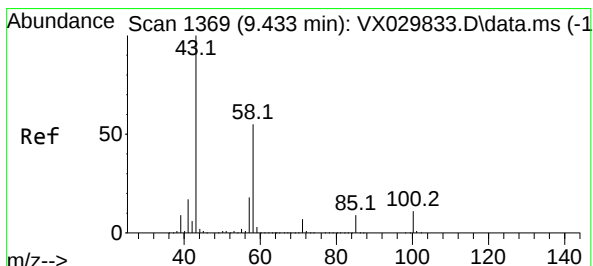
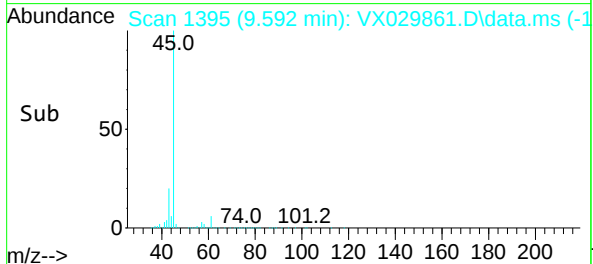
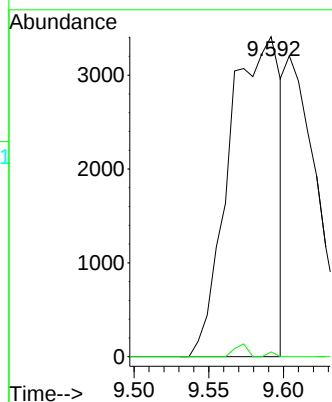
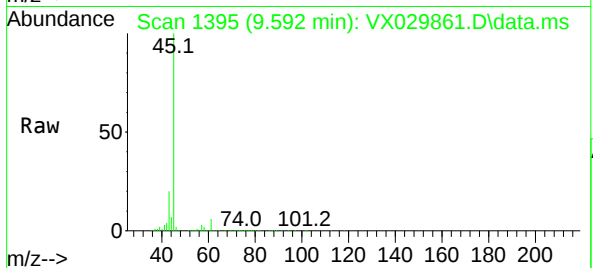




#57
1,3-Dichloropropane
Concen: 1.687 ug/l
RT: 9.592 min Scan# 1395
Delta R.T. 0.280 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

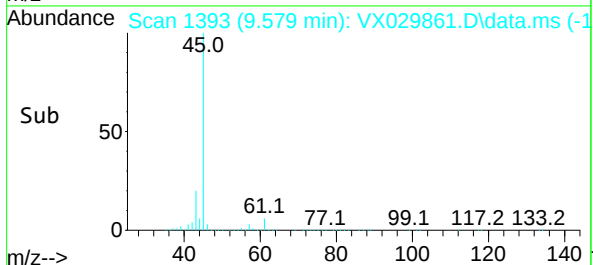
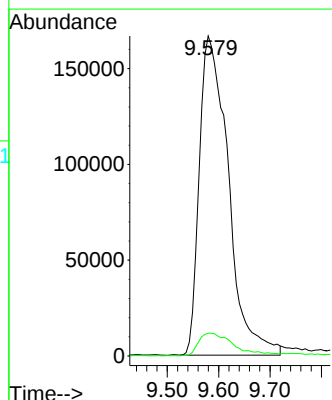
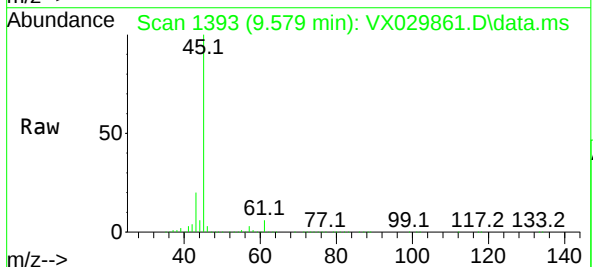
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

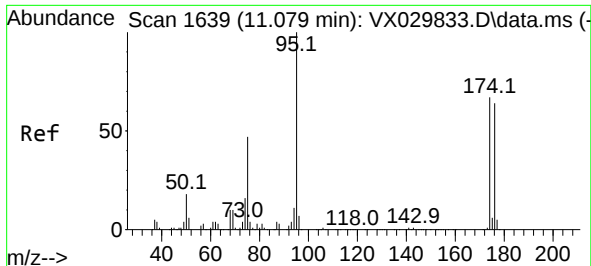
Tgt Ion: 76 Resp: 8090
Ion Ratio Lower Upper
76 100
78 0.2 25.9 38.9#



#59
2-Hexanone
Concen: 176.465 ug/l
RT: 9.579 min Scan# 1393
Delta R.T. 0.146 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion: 43 Resp: 652032
Ion Ratio Lower Upper
43 100
58 8.7 27.6 82.8#

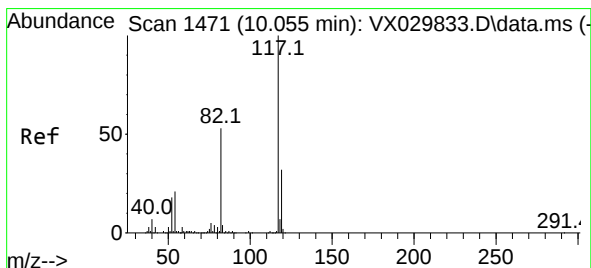
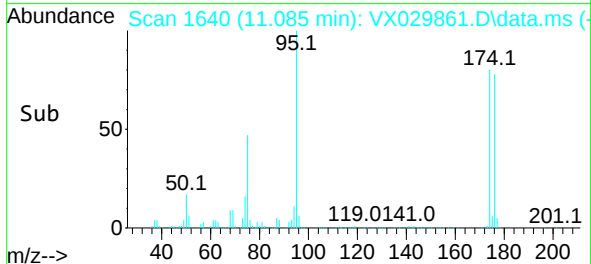
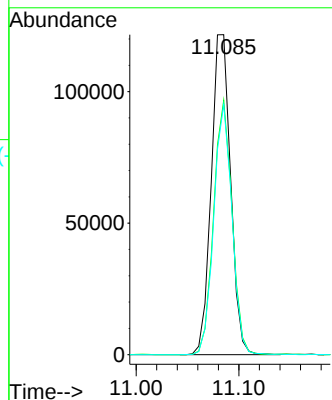
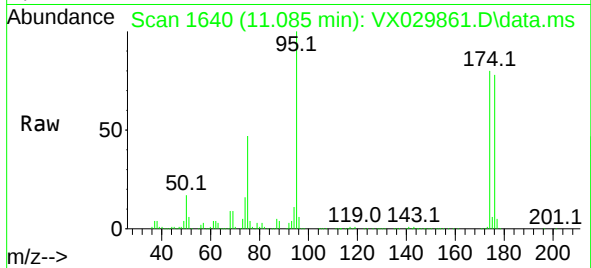




#62
4-Bromofluorobenzene
Concen: 45.470 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

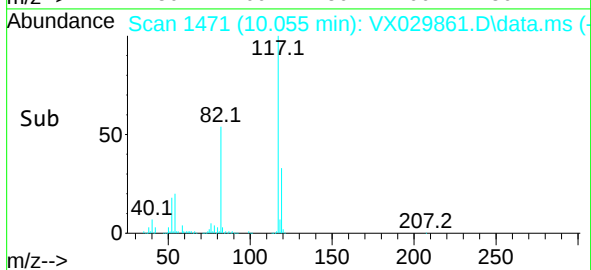
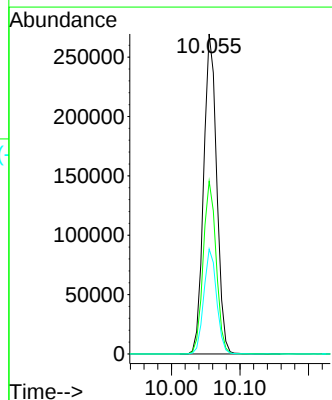
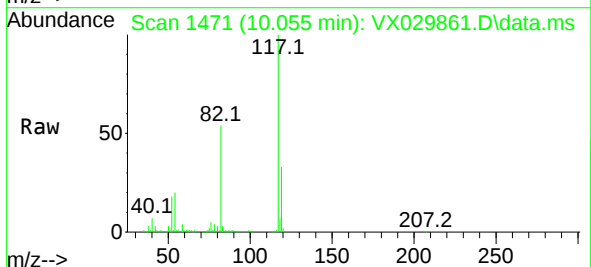
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

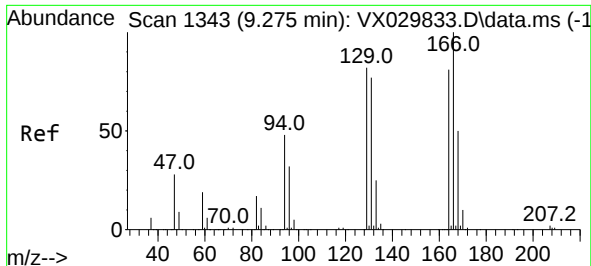
Tgt Ion: 95 Resp: 158945
Ion Ratio Lower Upper
95 100
174 75.6 0.0 149.0
176 73.7 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

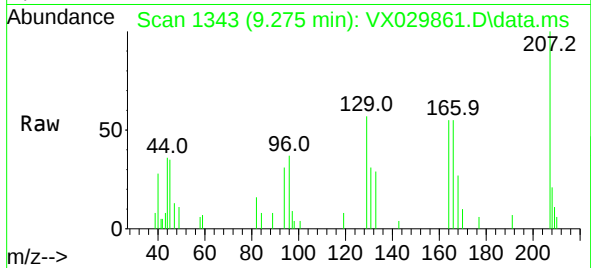
Tgt Ion: 117 Resp: 358509
Ion Ratio Lower Upper
117 100
82 54.0 42.7 64.1
119 32.8 25.4 38.2





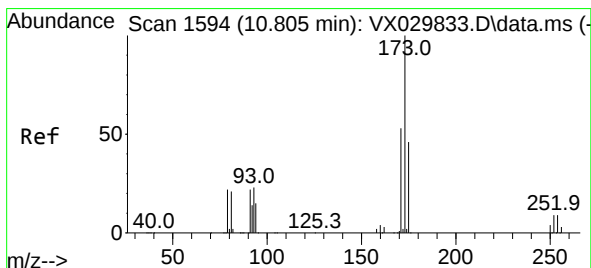
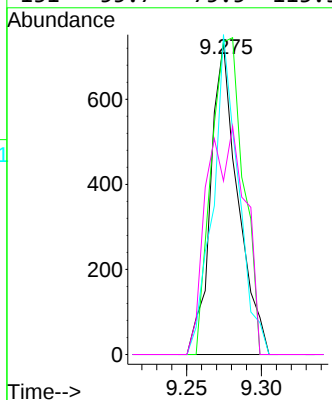
#64
Tetrachloroethene
Concen: 0.429 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624



Tgt Ion:164 Resp: 927

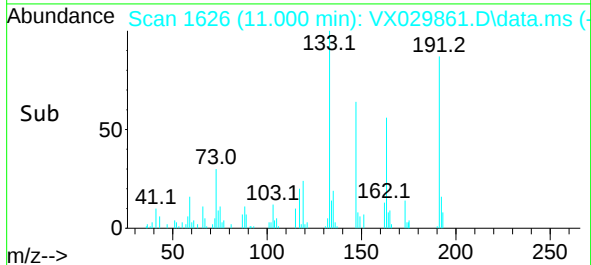
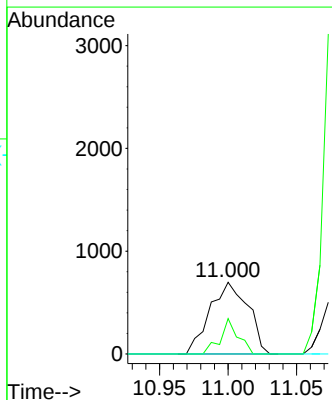
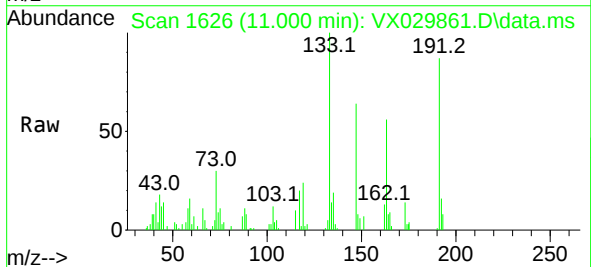
Ion	Ratio	Lower	Upper
164	100		
166	100.4	98.2	147.4
129	102.7	80.8	121.2
131	55.7	75.5	113.3

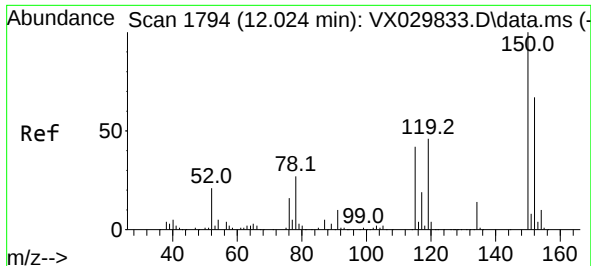


#71
Bromoform
Concen: 0.787 ug/l
RT: 11.000 min Scan# 1626
Delta R.T. 0.195 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion:173 Resp: 1350

Ion	Ratio	Lower	Upper
173	100		
175	23.0	23.8	71.2
254	0.0	0.1	0.1

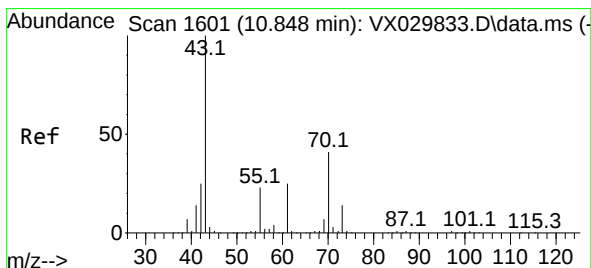
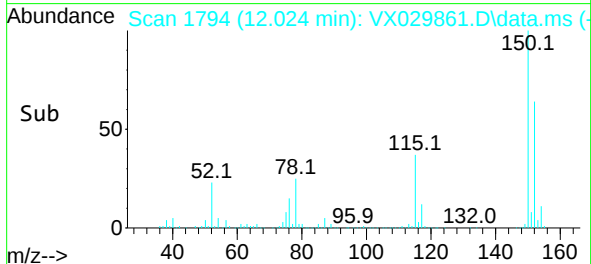
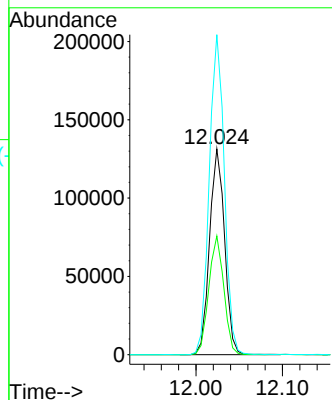
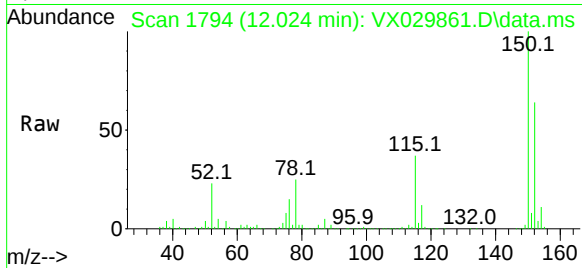




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

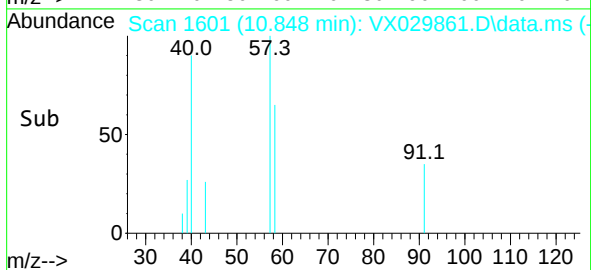
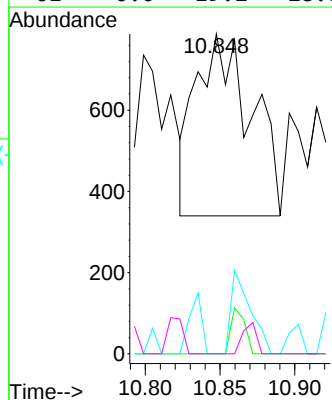
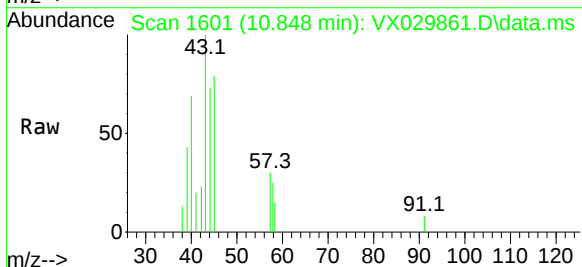
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

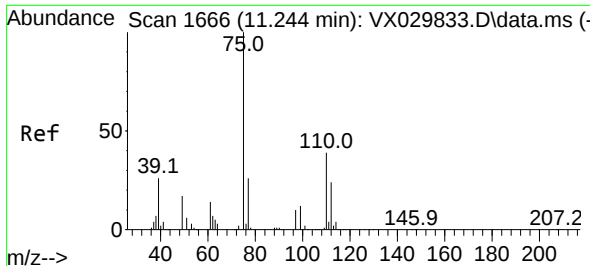
Tgt Ion:152 Resp: 158562
Ion Ratio Lower Upper
152 100
115 57.7 40.5 121.5
150 155.8 0.0 347.0



#74
N-ethyl acetate
Concen: 0.202 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
70 0.0 32.3 48.5#
55 7.6 18.4 27.6#
61 0.0 19.2 28.8#

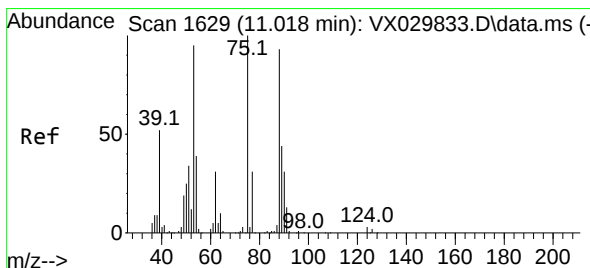
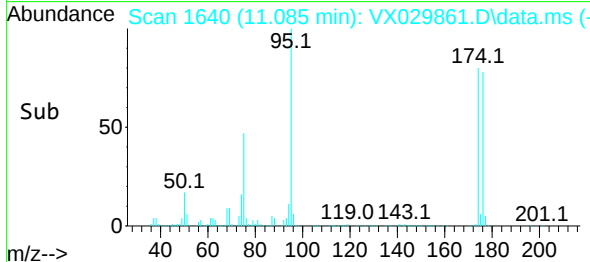
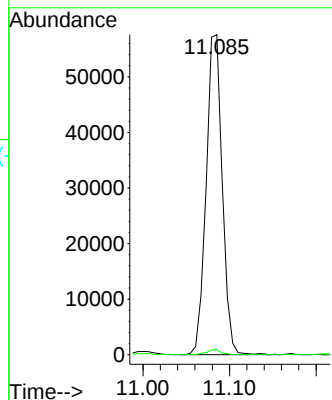
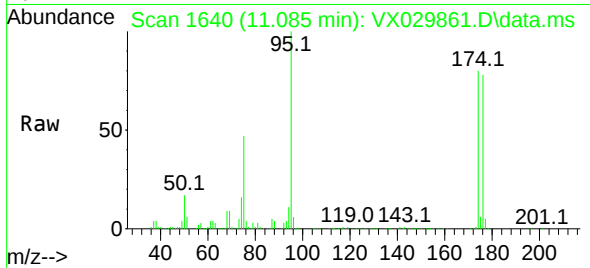




#76
1,2,3-Trichloropropane
Concen: 19.563 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Instrument :
MSVOA_X
ClientSampleId :
MW-1-20220624

Tgt Ion: 75 Resp: 74257
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.128 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029861.D
Acq: 29 Jun 2022 14:56

Tgt Ion: 75 Resp: 74257
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#

