

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
 Data File : VX029866.D
 Acq On : 29 Jun 2022 16:53
 Operator : JC/MD
 Sample : N3485-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623

Quant Time: Jun 29 23:00:30 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)

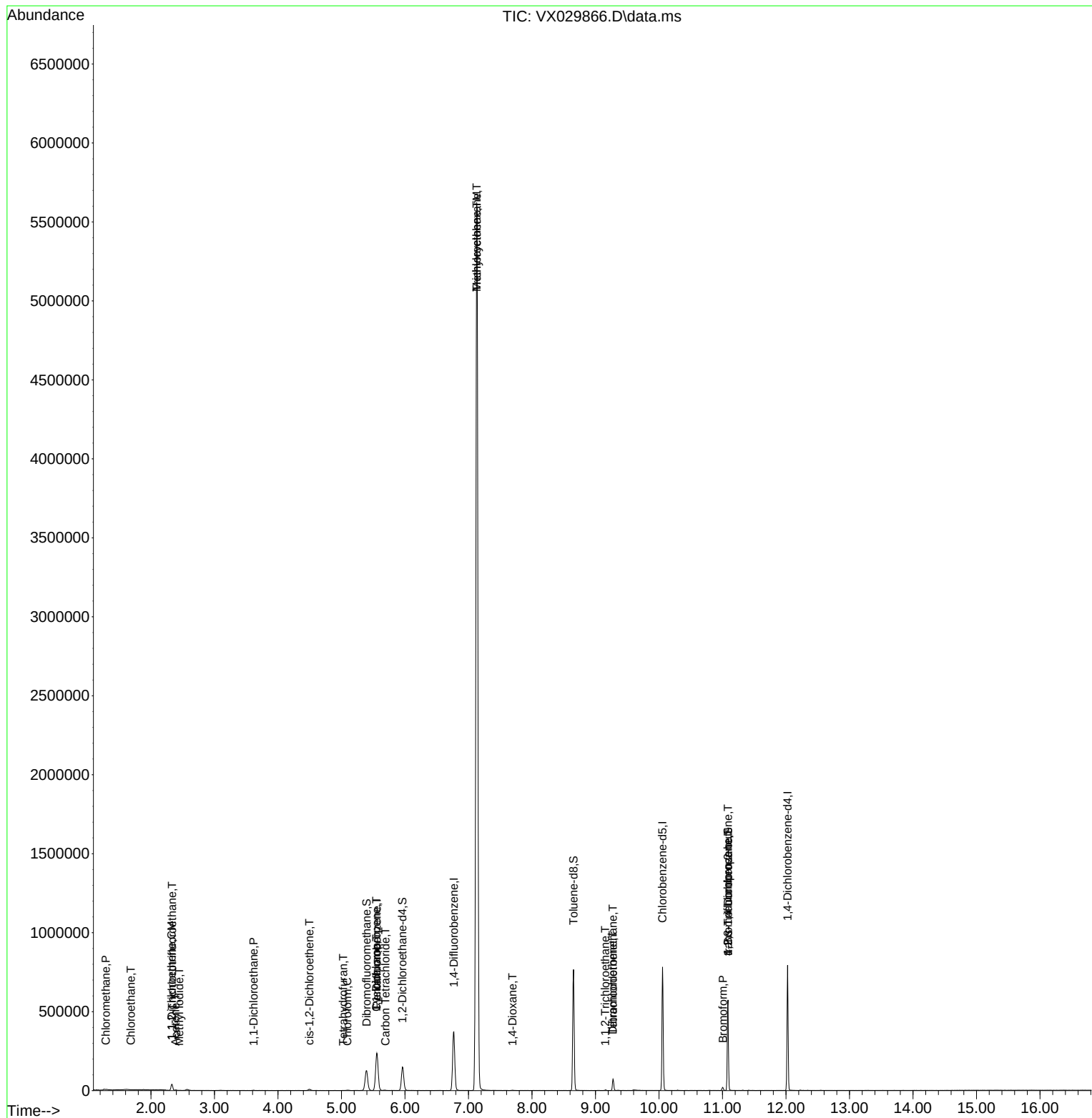
Internal Standards						
1) Pentafluorobenzene	5.556	168	234287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	404514	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	351765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	127599	43.025	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.060%
35) Dibromofluoromethane	5.397	113	113331	44.830	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.660%
50) Toluene-d8	8.653	98	463404	48.863	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.720%
62) 4-Bromofluorobenzene	11.085	95	156696	46.742	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.480%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	822	0.312	ug/l #	71
6) Chloroethane	1.685	64	220	1.148	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	13529	5.758	ug/l	96
10) Methyl Iodide	2.447	142	51	1.888	ug/l #	20
12) 1,1-Dichloroethene	2.325	96	2793	1.158	ug/l	97
13) Acrolein	2.203	56	125	Below	Cal	93
16) Acetone	2.386	43	2390	1.647	ug/l	89
24) 1,1-Dichloroethane	3.617	63	2130	0.449	ug/l #	76
27) cis-1,2-Dichloroethene	4.495	96	5260	1.683	ug/l	81
29) Tetrahydrofuran	5.026	42	338	0.204	ug/l #	73
30) Chloroform	5.093	83	2367	0.509	ug/l #	73
31) Cyclohexane	5.550	56	5010	1.212	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	17170	5.107	ug/l #	49
38) Carbon Tetrachloride	5.690	117	1637	0.562	ug/l #	61
39) Methylcyclohexane	7.129	83	24903	6.126	ug/l #	1
44) Trichloroethene	7.129	130	2225976	760.253	ug/l	97
49) 1,4-Dioxane	7.690	88	1287	16.554	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	1147	0.401	ug/l #	83
60) Dibromochloromethane	9.275	129	12477	4.941	ug/l #	11
64) Tetrachloroethene	9.275	164	12806	6.036	ug/l	94
71) Bromoform	11.006	173	781	0.464	ug/l #	29
76) 1,2,3-Trichloropropane	11.085	75	72832	19.422	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	72832	61.681	ug/l #	13

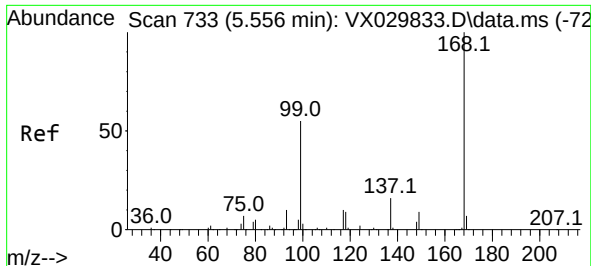
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062922\
Data File : VX029866.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

Quant Time: Jun 29 23:00:30 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

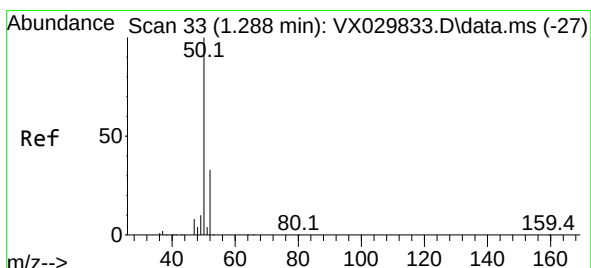
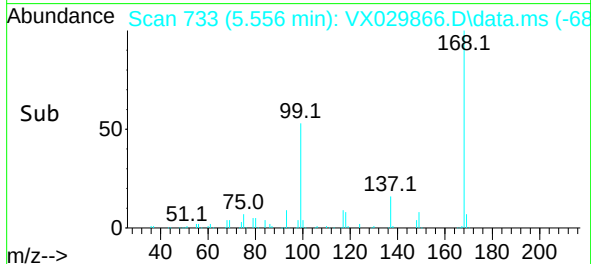
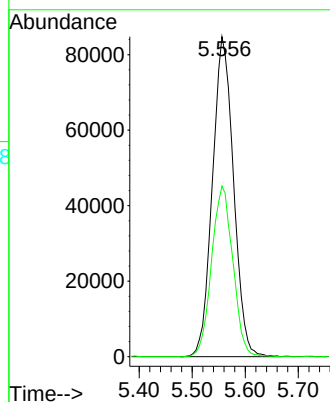
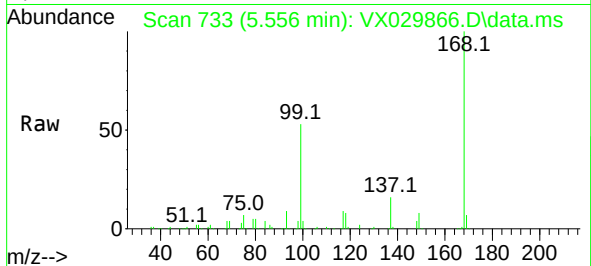




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

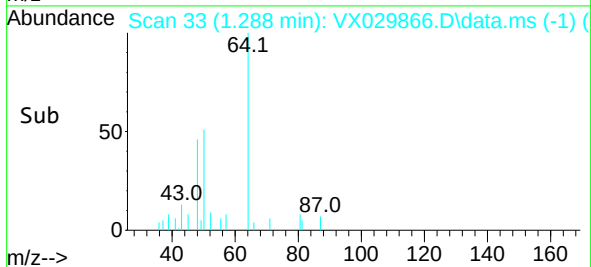
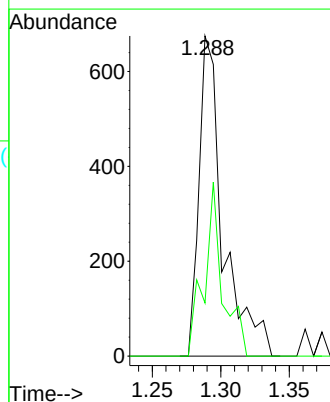
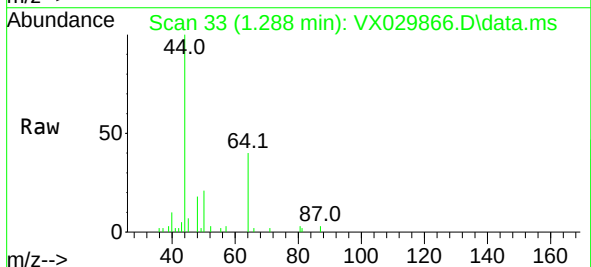
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

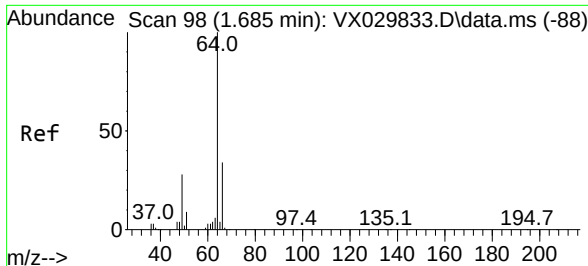
Tgt Ion:168 Resp: 234287
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0



#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion: 50 Resp: 822
Ion Ratio Lower Upper
50 100
52 16.6 26.3 39.5

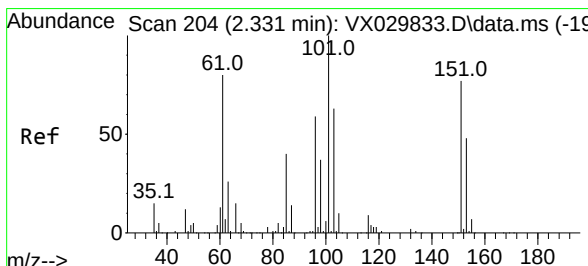
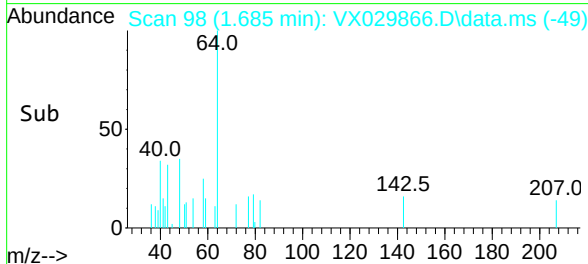
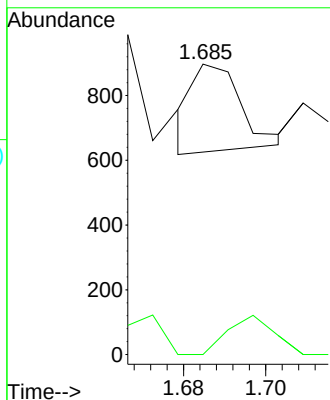
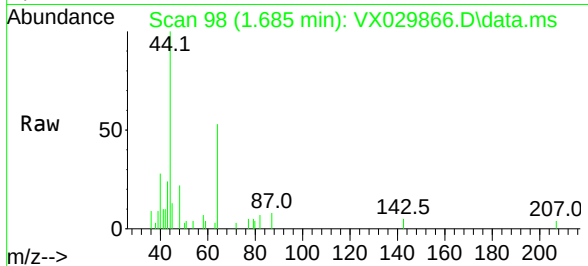




#6
 Chloroethane
 Concen: 1.148 ug/l
 RT: 1.685 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VX029866.D
 Acq: 29 Jun 2022 16:53

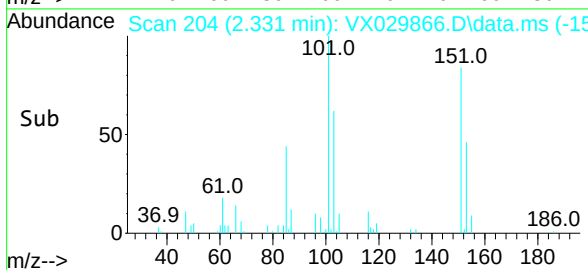
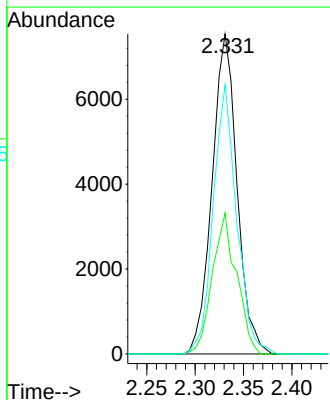
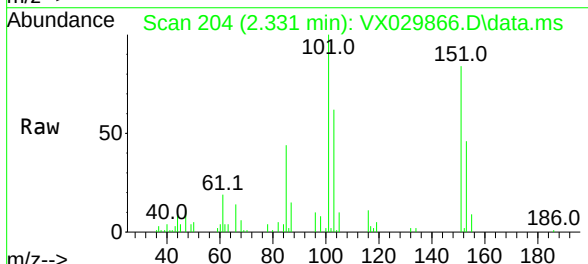
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623

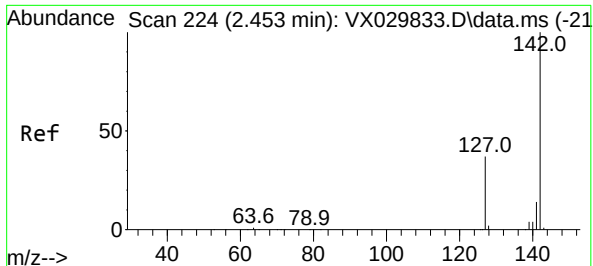
Tgt Ion: 64 Resp: 220
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.758 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX029866.D
 Acq: 29 Jun 2022 16:53

Tgt Ion: 101 Resp: 13529
 Ion Ratio Lower Upper
 101 100
 85 42.7 34.0 51.0
 151 79.3 59.4 89.0

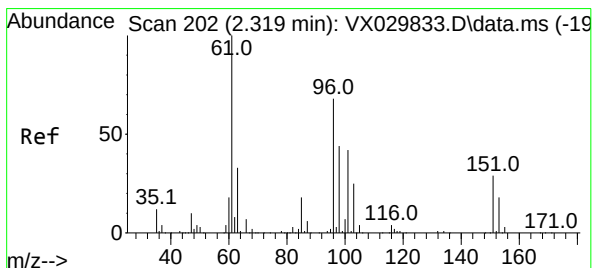
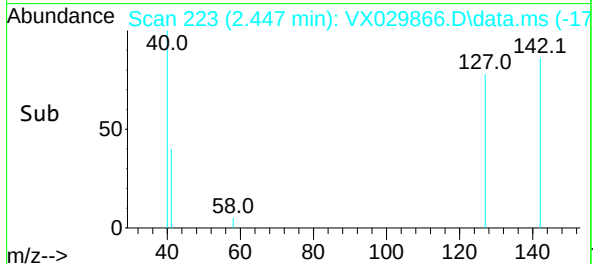
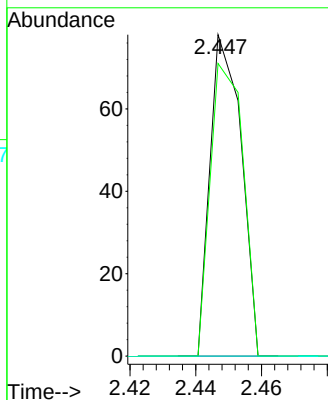
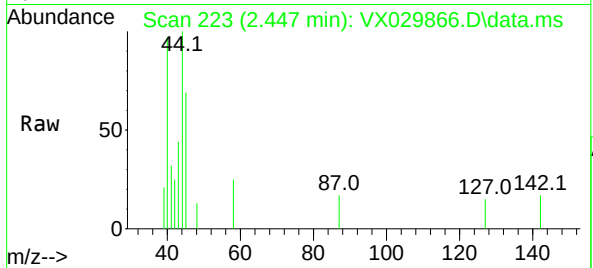




#10
Methyl Iodide
Concen: 1.888 ug/l
RT: 2.447 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

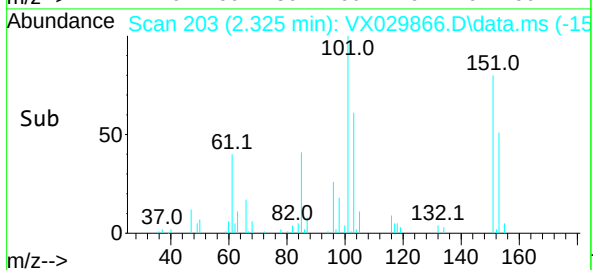
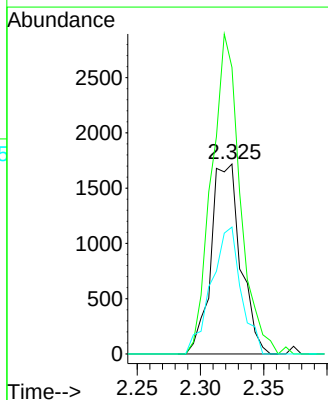
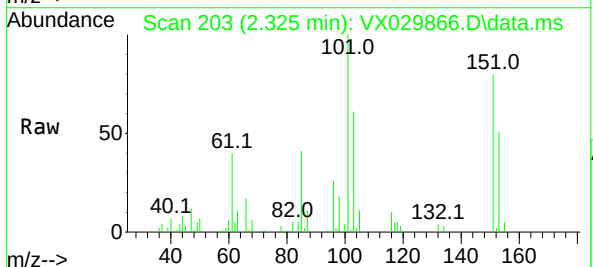
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

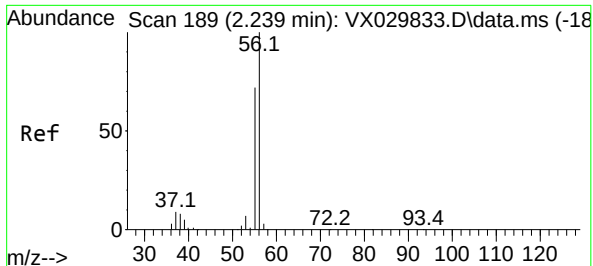
Tgt Ion:142 Resp: 51
Ion Ratio Lower Upper
142 100
127 96.1 30.2 45.2#
141 0.0 11.3 16.9#



#12
1,1-Dichloroethene
Concen: 1.158 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion: 96 Resp: 2793
Ion Ratio Lower Upper
96 100
61 150.9 117.4 176.0
98 66.8 52.2 78.4

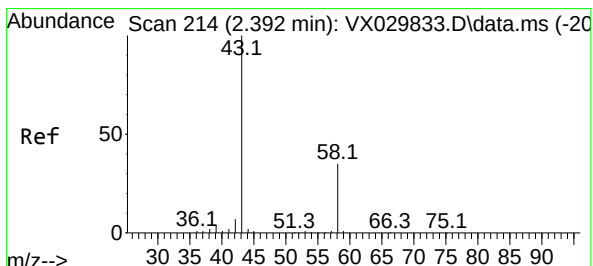
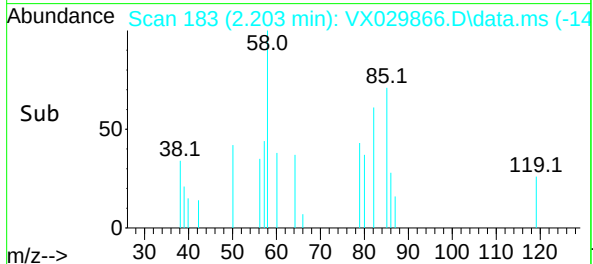
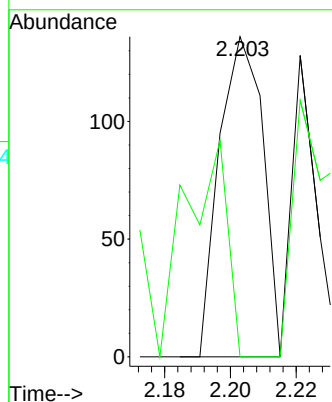
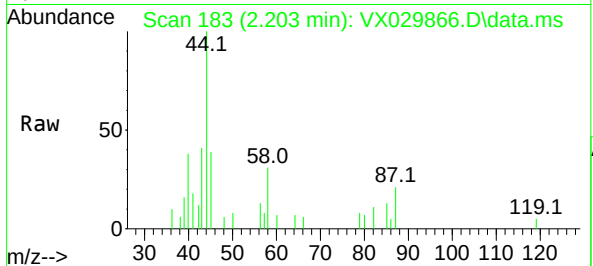




#13
Acrolein
Concen: Below Cal
RT: 2.203 min Scan# 11
Delta R.T. -0.036 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

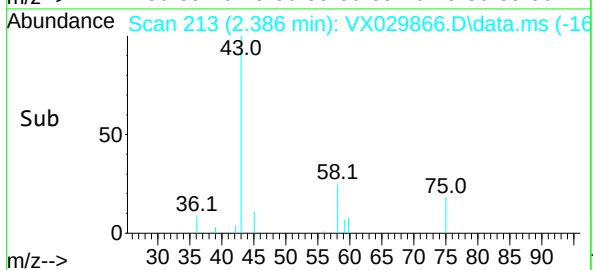
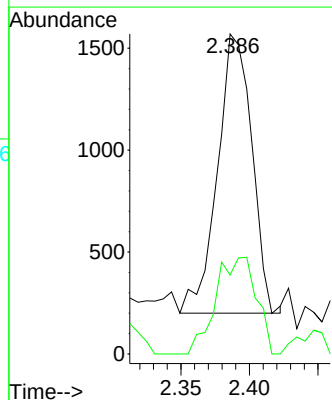
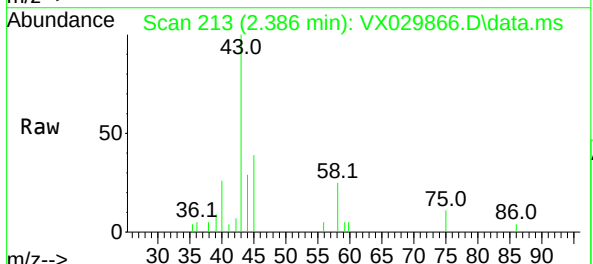
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

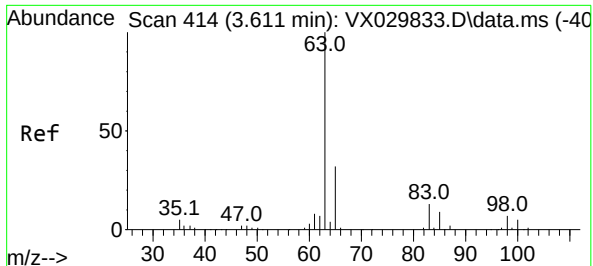
Tgt Ion: 56 Resp: 125
Ion Ratio Lower Upper
56 100
55 64.8 56.6 84.8



#16
Acetone
Concen: 1.647 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion: 43 Resp: 2390
Ion Ratio Lower Upper
43 100
58 28.3 27.7 41.5

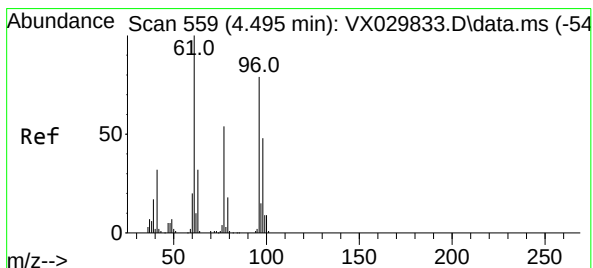
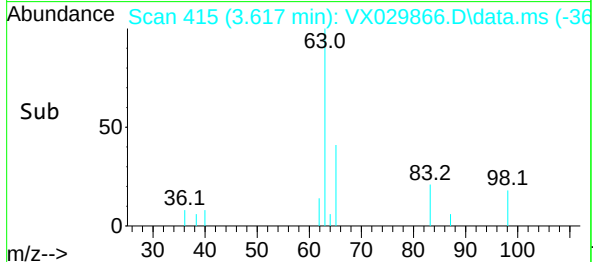
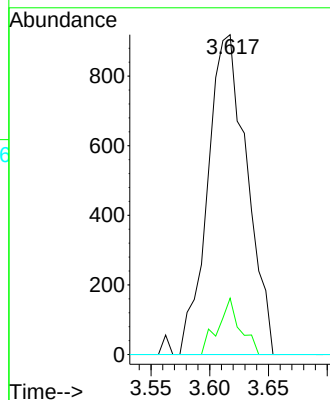
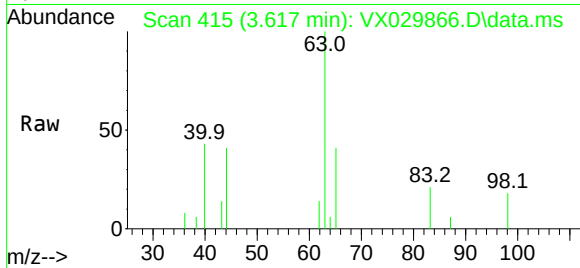




#24
1,1-Dichloroethane
Concen: 0.449 ug/l
RT: 3.617 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

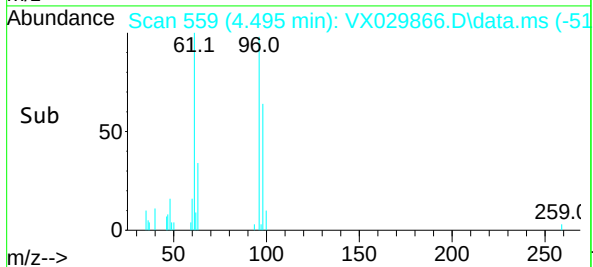
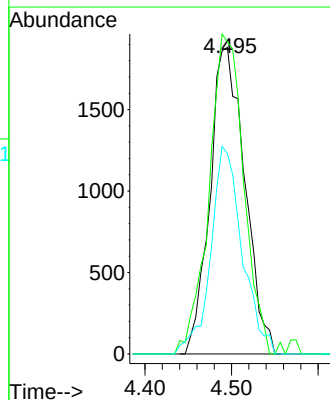
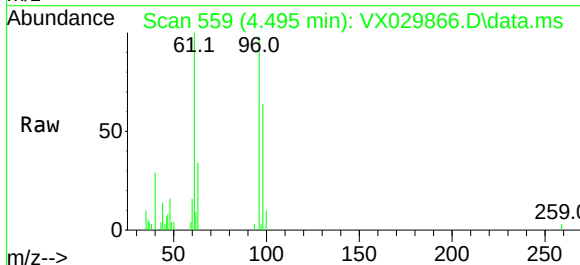
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

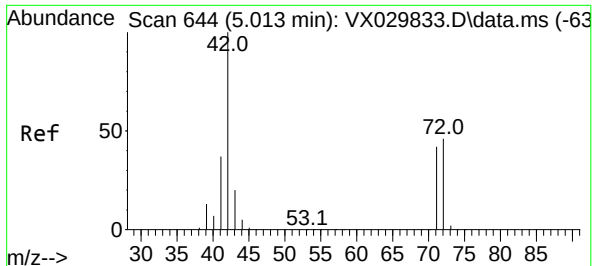
Tgt Ion: 63 Resp: 2130
Ion Ratio Lower Upper
63 100
98 17.6 3.5 10.5#
100 0.0 2.3 6.9#



#27
cis-1,2-Dichloroethene
Concen: 1.683 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion: 96 Resp: 5260
Ion Ratio Lower Upper
96 100
61 103.5 0.0 270.0
98 61.2 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.204 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX029866.D

Acq: 29 Jun 2022 16:53

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220623

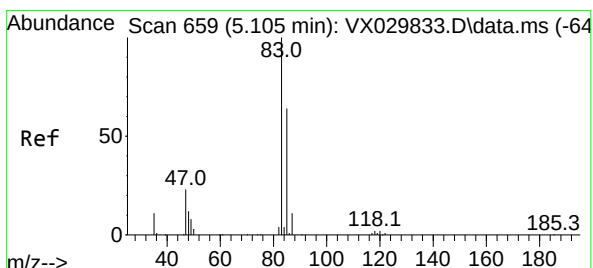
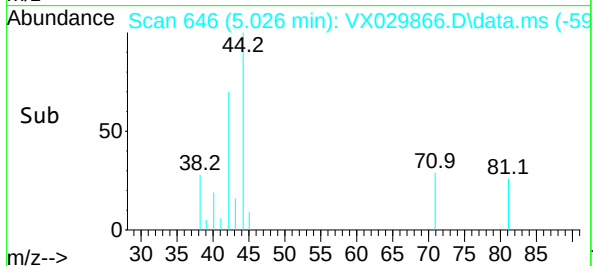
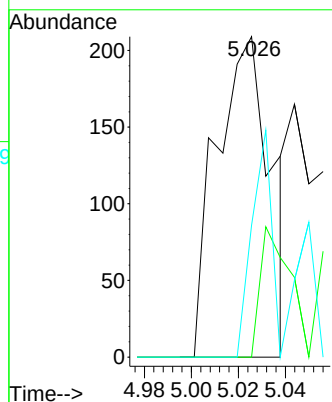
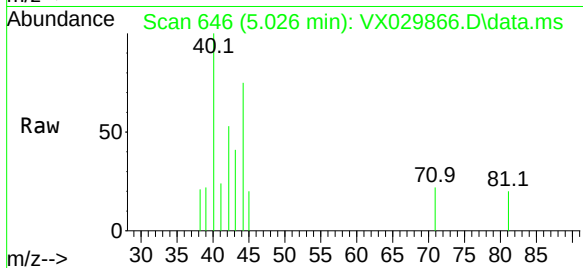
Tgt Ion: 42 Resp: 338

Ion Ratio Lower Upper

42 100

72 21.9 36.5 54.7#

71 30.8 33.9 50.9#



#30

Chloroform

Concen: 0.509 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.012 min

Lab File: VX029866.D

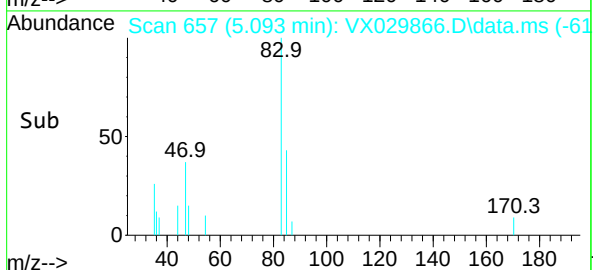
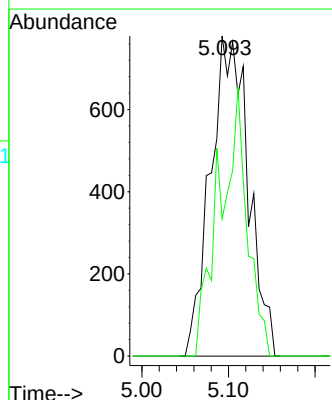
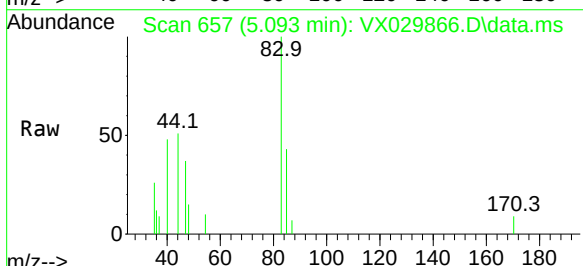
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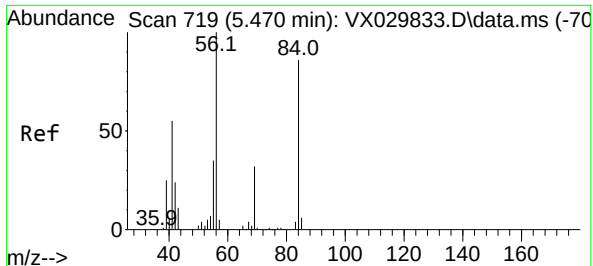
Tgt Ion: 83 Resp: 2367

Ion Ratio Lower Upper

83 100

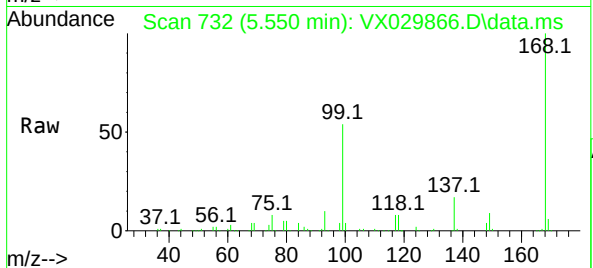
85 42.9 51.5 77.3#



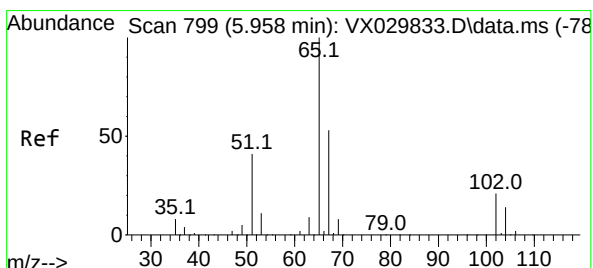
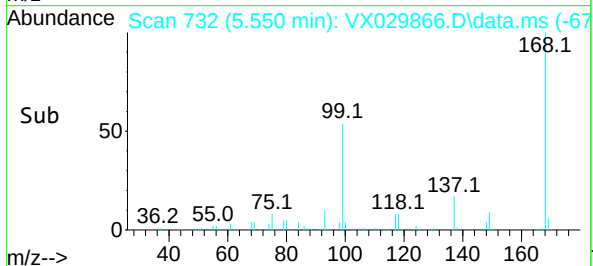
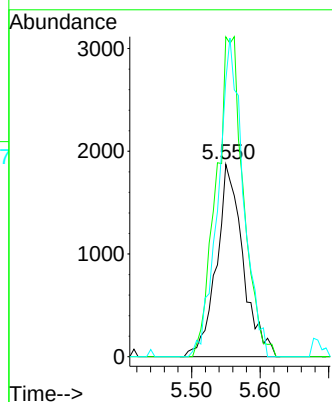


#31
Cyclohexane
Concen: 1.212 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

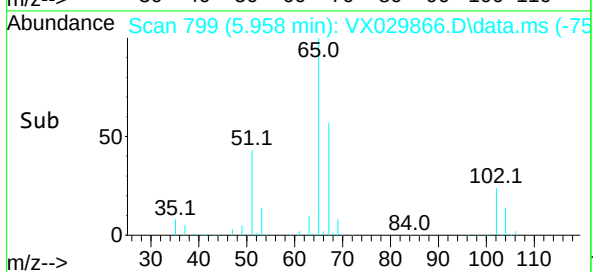
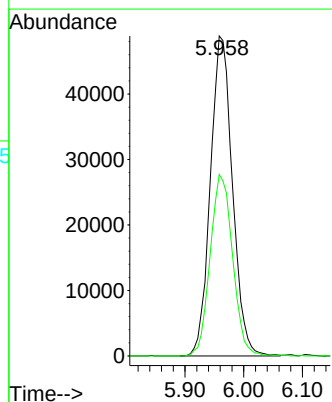
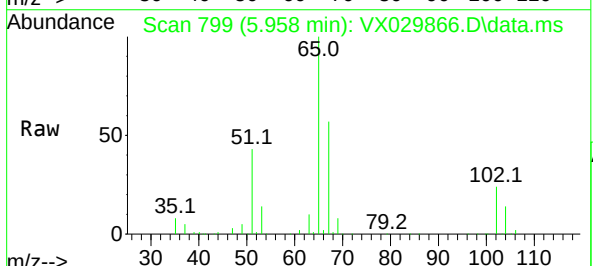


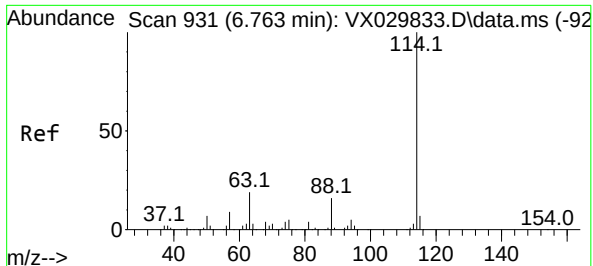
Tgt Ion: 56 Resp: 5010
Ion Ratio Lower Upper
56 100
69 166.3 25.4 38.0#
84 143.6 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 43.025 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion: 65 Resp: 127599
Ion Ratio Lower Upper
65 100
67 57.5 0.0 109.6

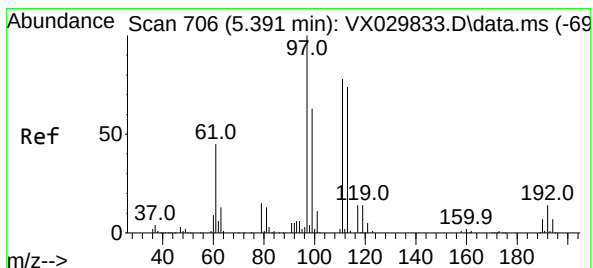
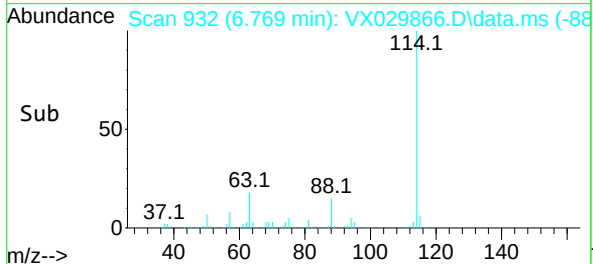
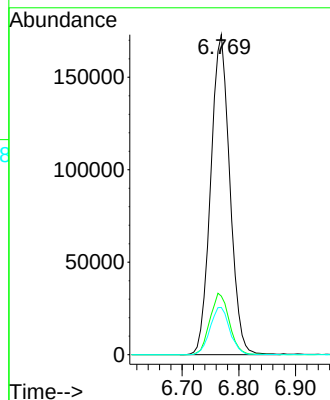
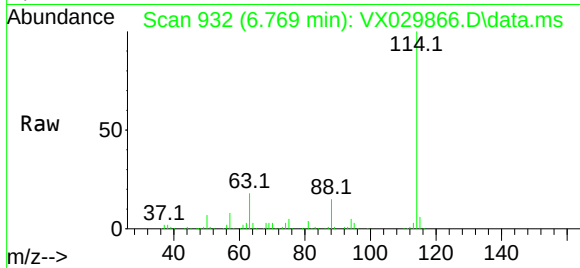




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

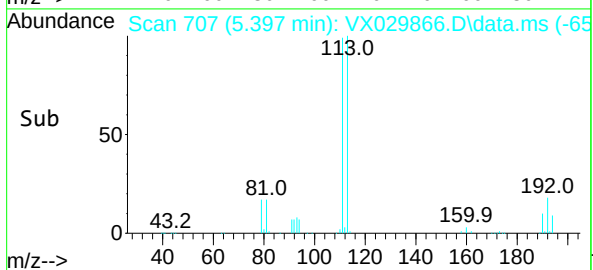
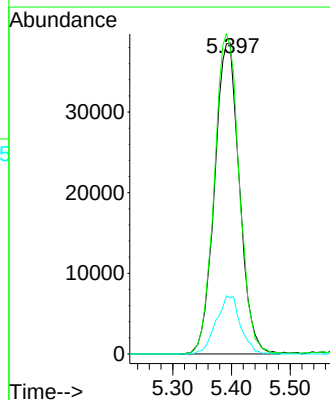
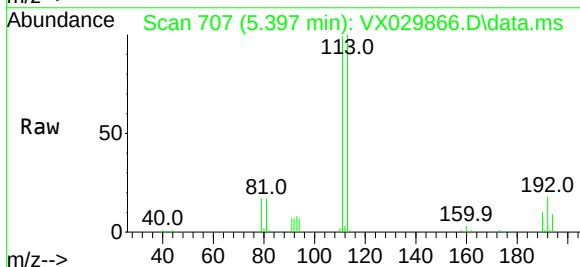
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

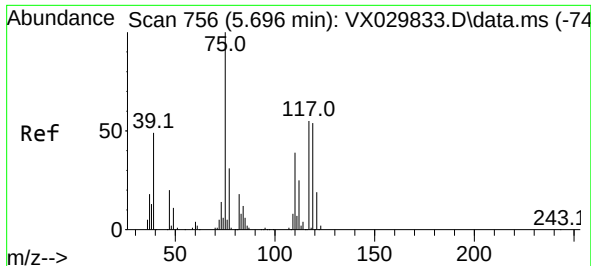
Tgt Ion:114 Resp: 404514
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.830 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion:113 Resp: 113331
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 18.2 14.8 22.2

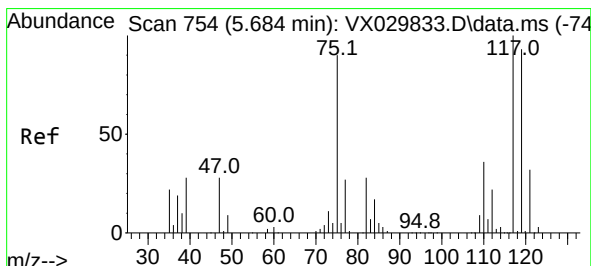
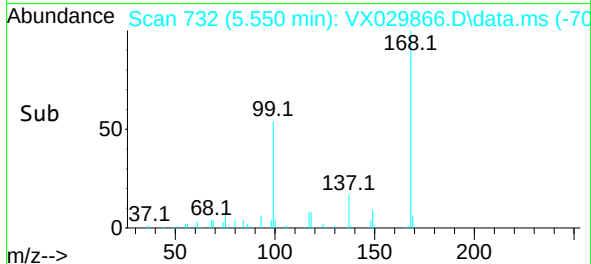
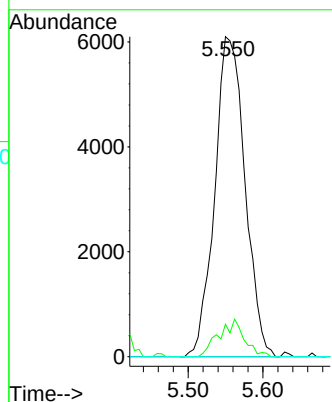
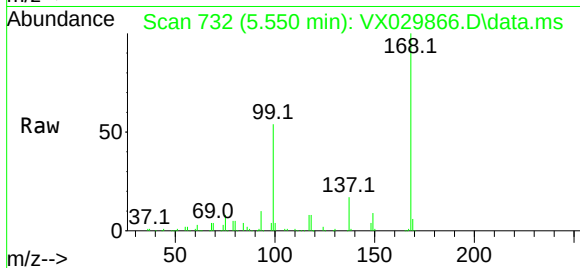




#36
1,1-Dichloropropene
Concen: 5.107 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

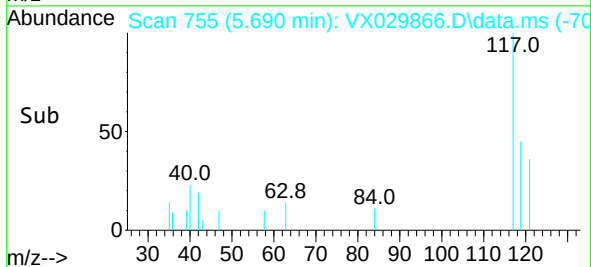
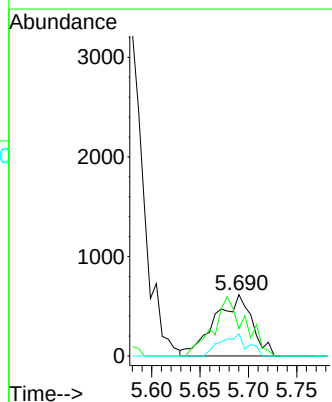
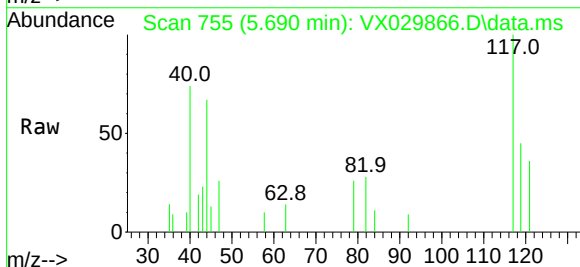
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

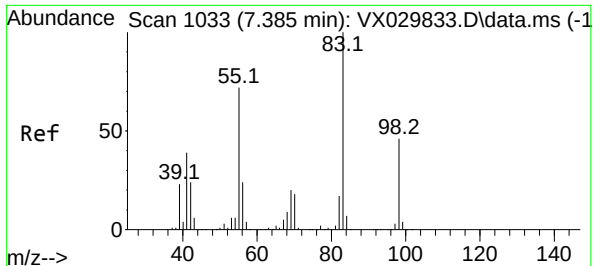
Tgt Ion: 75 Resp: 17170
Ion Ratio Lower Upper
75 100
110 9.9 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.562 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion: 117 Resp: 1637
Ion Ratio Lower Upper
117 100
119 44.8 74.1 111.1#
121 36.0 25.8 38.8





#39

Methylcyclohexane

Concen: 6.126 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.256 min

Lab File: VX029866.D

Acq: 29 Jun 2022 16:53

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220623

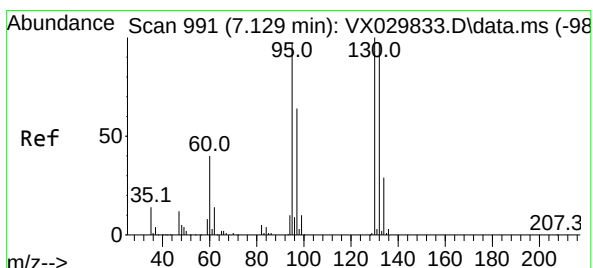
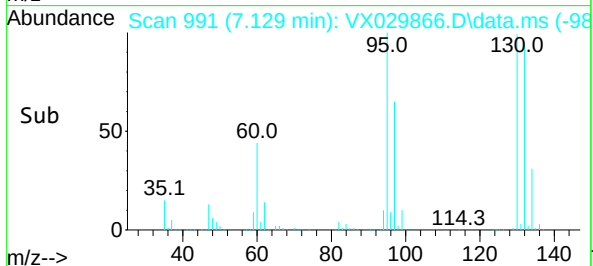
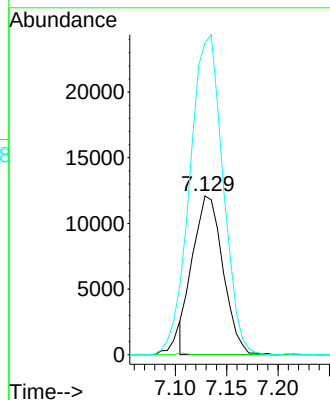
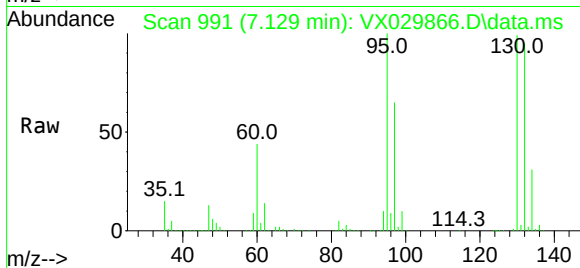
Tgt Ion: 83 Resp: 24903

Ion Ratio Lower Upper

83 100

55 0.0 57.7 86.5#

98 196.4 36.5 54.7#



#44

Trichloroethene

Concen: 760.253 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.000 min

Lab File: VX029866.D

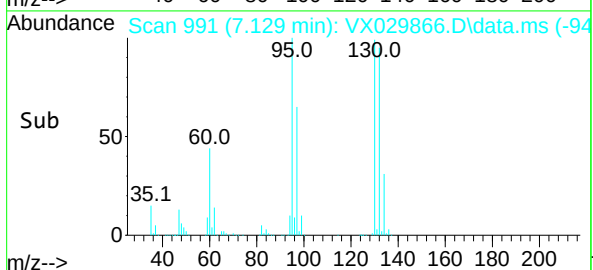
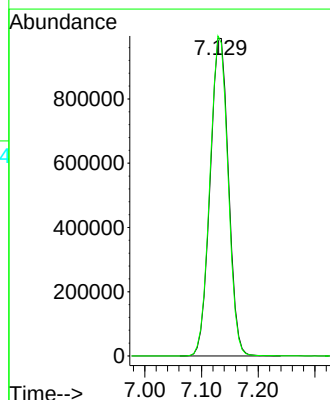
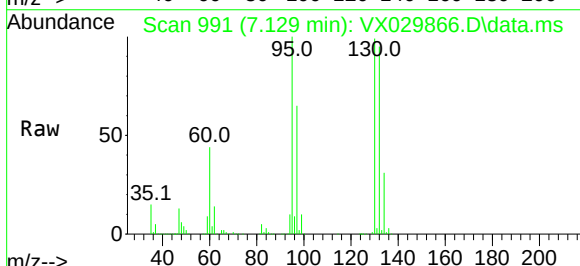
Acq: 29 Jun 2022 16:53

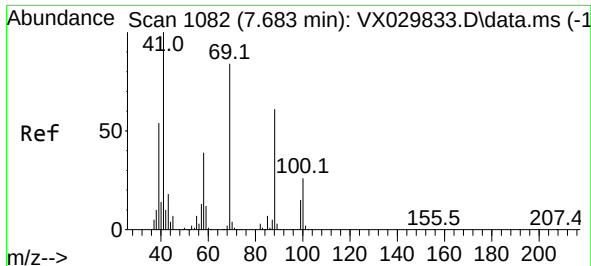
Tgt Ion:130 Resp: 2225976

Ion Ratio Lower Upper

130 100

95 100.7 0.0 194.8





#49

1,4-Dioxane

Concen: 16.554 ug/l

RT: 7.690 min Scan# 1082

Delta R.T. 0.006 min

Lab File: VX029866.D

Acq: 29 Jun 2022 16:53

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220623

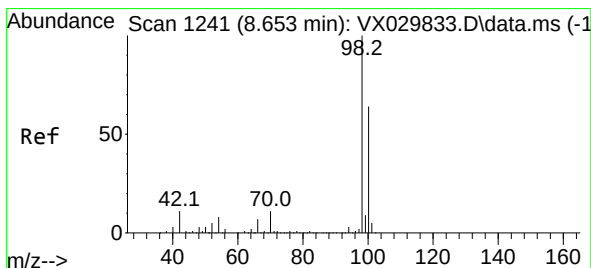
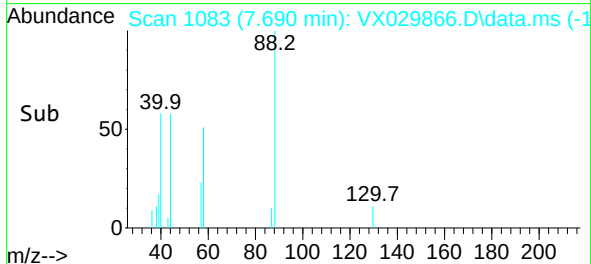
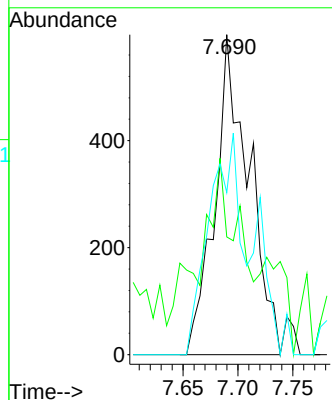
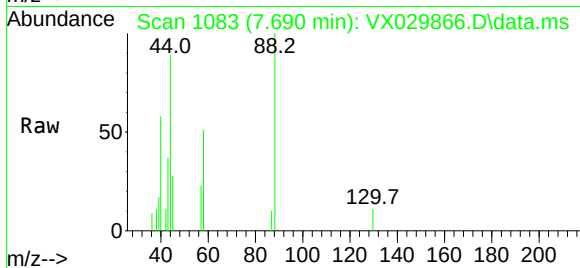
Tgt Ion: 88 Resp: 1287

Ion Ratio Lower Upper

88 100

43 53.6 23.8 35.8#

58 63.3 53.8 80.6



#50

Toluene-d8

Concen: 48.863 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX029866.D

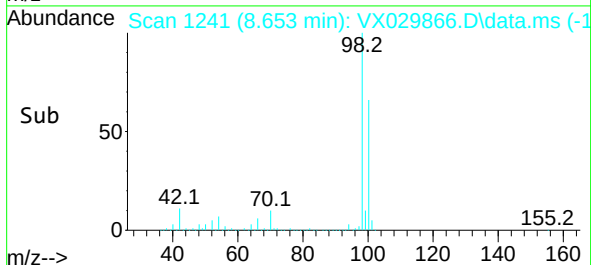
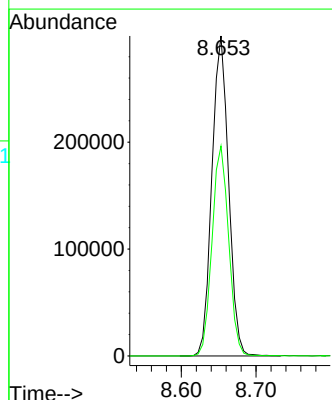
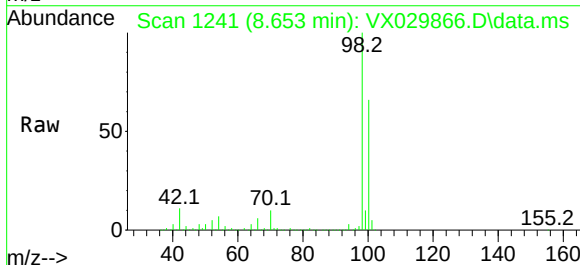
Acq: 29 Jun 2022 16:53

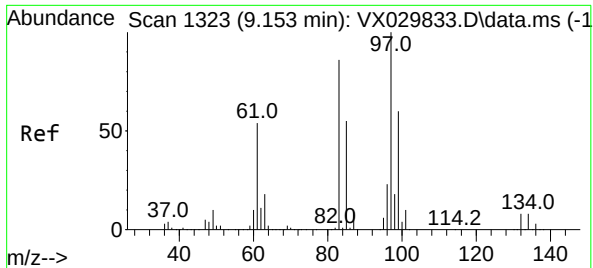
Tgt Ion: 98 Resp: 463404

Ion Ratio Lower Upper

98 100

100 65.4 52.3 78.5

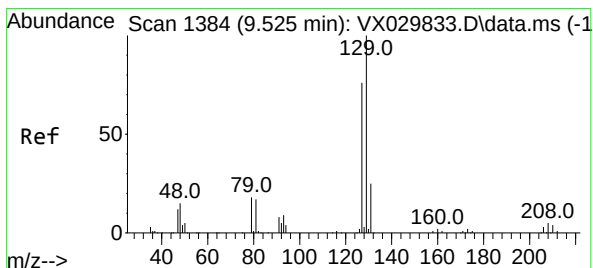
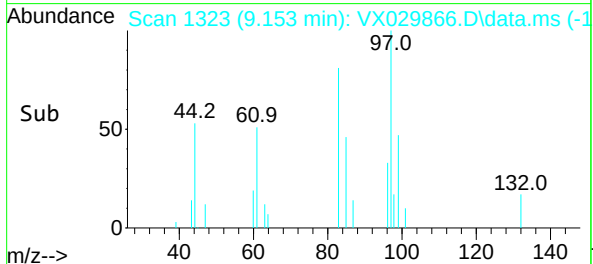
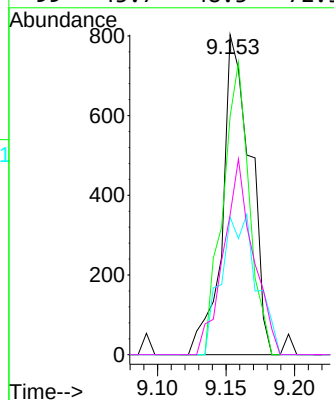
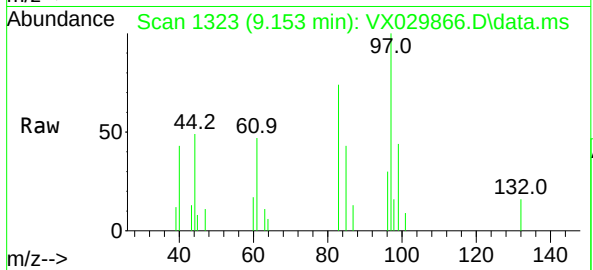




#55
 1,1,2-Trichloroethane
 Concen: 0.401 ug/l
 RT: 9.153 min Scan# 1147
 Delta R.T. 0.000 min
 Lab File: VX029866.D
 Acq: 29 Jun 2022 16:53

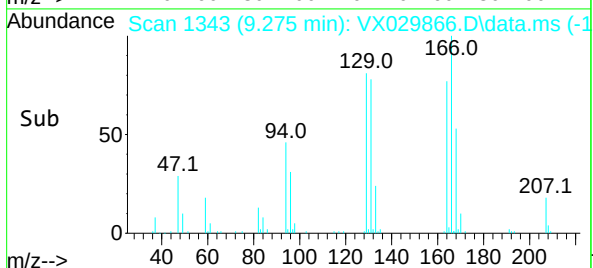
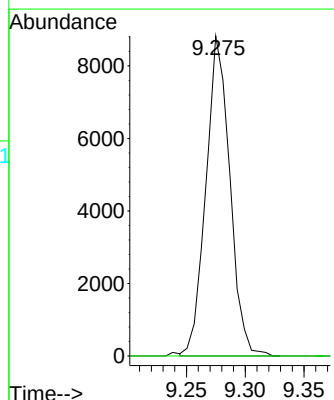
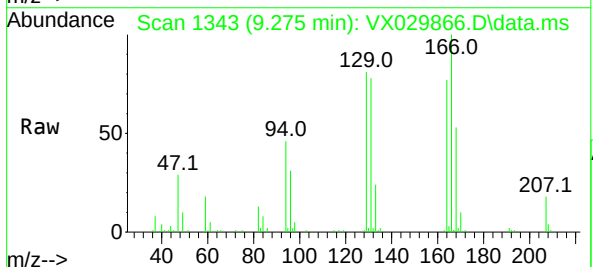
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623

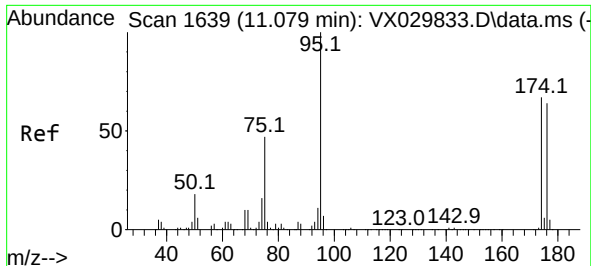
Tgt Ion: 97	Resp: 1147
Ion Ratio	Lower Upper
97 100	
83 74.5	68.9 103.3
85 43.0	44.0 66.0#
99 43.7	48.3 72.5#



#60
 Dibromochloromethane
 Concen: 4.941 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.250 min
 Lab File: VX029866.D
 Acq: 29 Jun 2022 16:53

Tgt Ion:129	Resp:	12477	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.5	115.5#

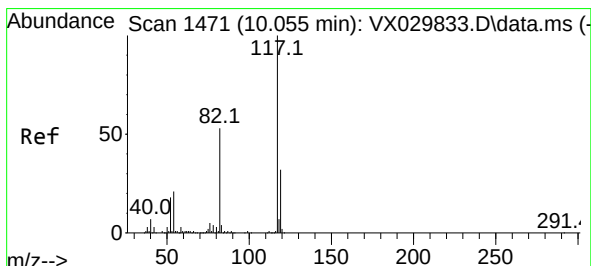
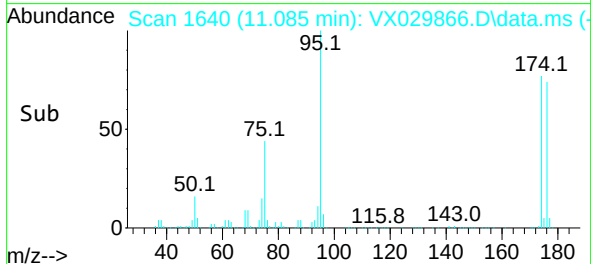
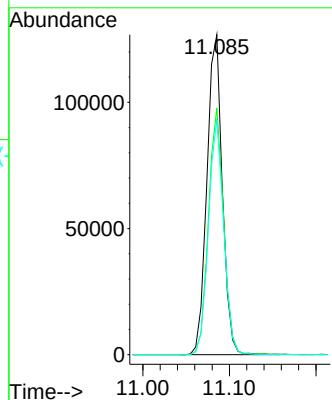
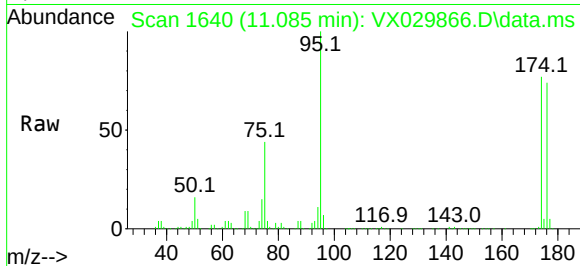




#62
4-Bromofluorobenzene
Concen: 46.742 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

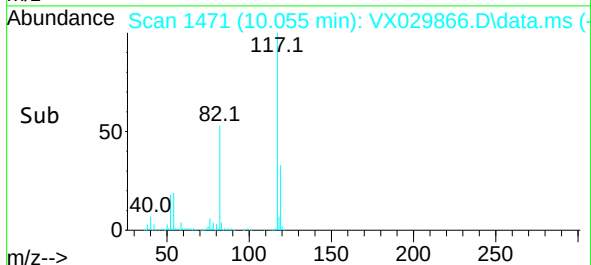
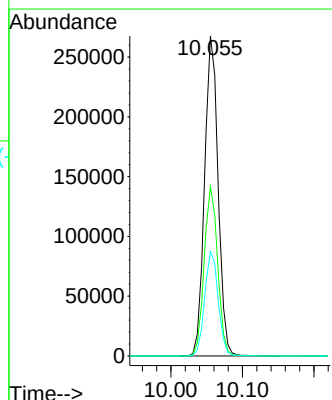
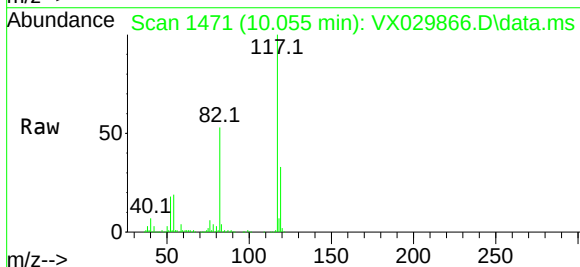
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

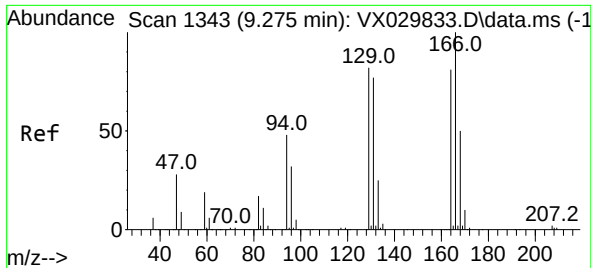
Tgt Ion: 95 Resp: 156696
Ion Ratio Lower Upper
95 100
174 76.4 0.0 149.0
176 72.3 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion: 117 Resp: 351765
Ion Ratio Lower Upper
117 100
82 52.9 42.7 64.1
119 32.7 25.4 38.2

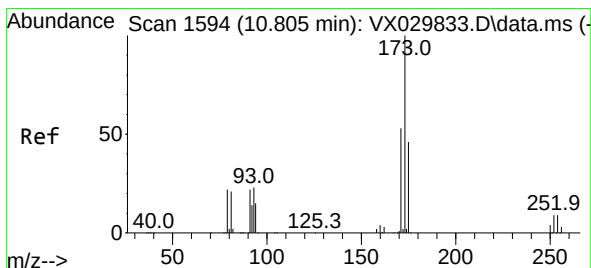
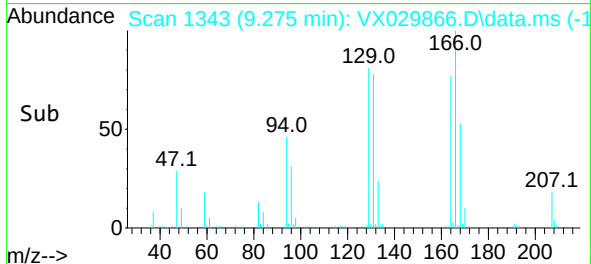
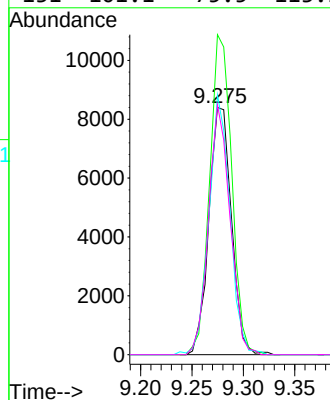
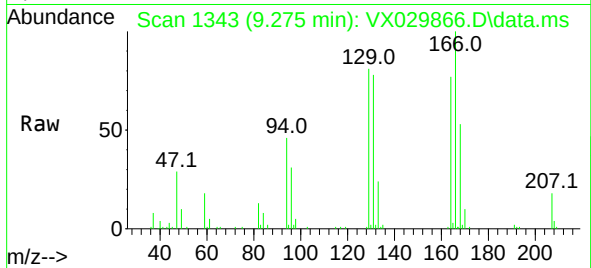




#64
Tetrachloroethene
Concen: 6.036 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

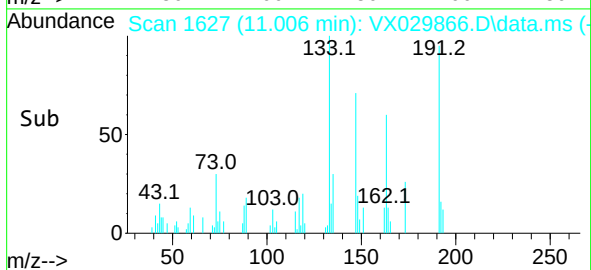
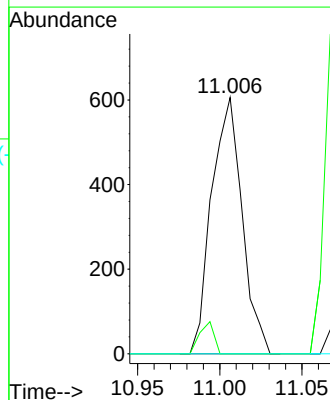
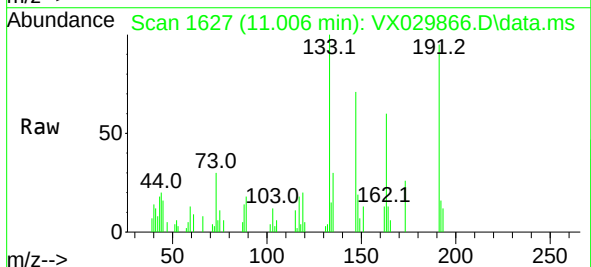
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623

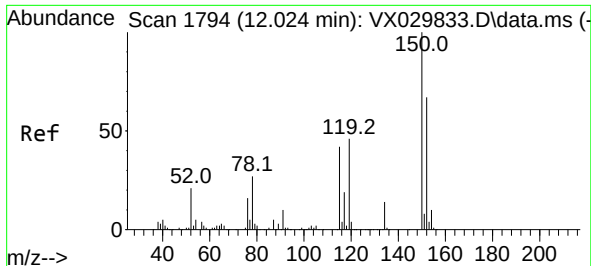
Tgt Ion:164	Resp:	12806
Ion	Ratio	Lower Upper
164	100	
166	129.5	98.2 147.4
129	105.1	80.8 121.2
131	101.1	75.5 113.3



#71
Bromoform
Concen: 0.464 ug/l
RT: 11.006 min Scan# 1627
Delta R.T. 0.201 min
Lab File: VX029866.D
Acq: 29 Jun 2022 16:53

Tgt Ion:173	Resp:	781
Ion	Ratio	Lower Upper
173	100	
175	0.0	23.8 71.2#
254	0.0	0.1 0.1#

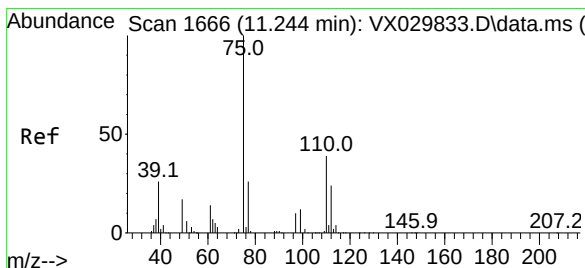
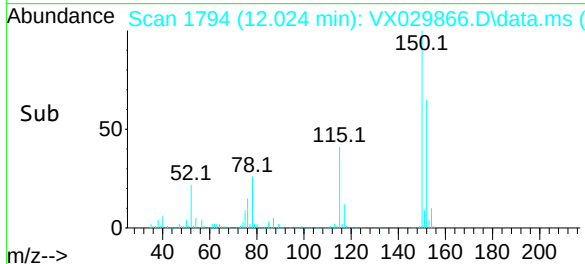
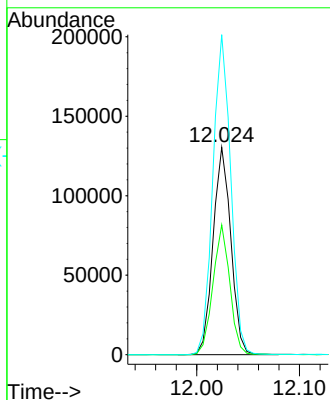
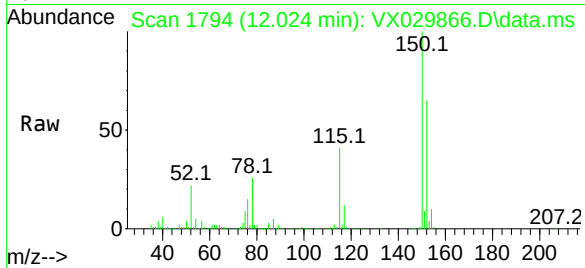




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029866.D
 Acq: 29 Jun 2022 16:53

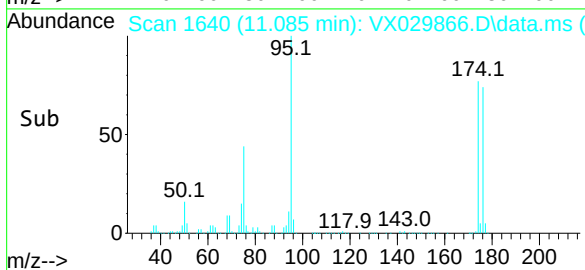
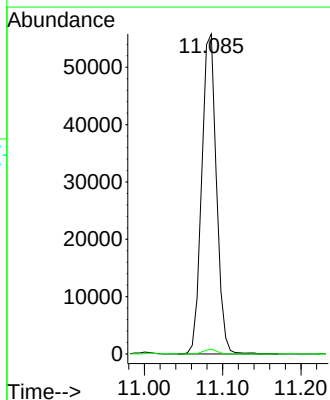
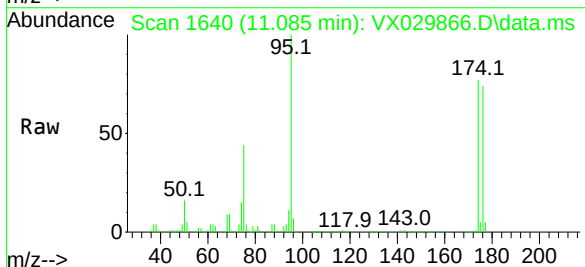
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623

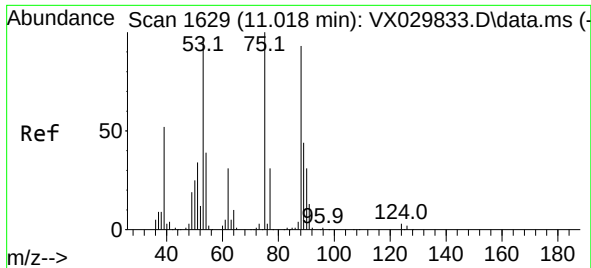
Tgt Ion:152 Resp: 156647
 Ion Ratio Lower Upper
 152 100
 115 59.5 40.5 121.5
 150 154.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 19.422 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX029866.D
 Acq: 29 Jun 2022 16:53

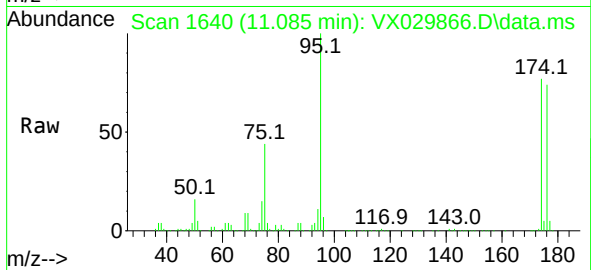
Tgt Ion: 75 Resp: 72832
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.681 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX029866.D
 Acq: 29 Jun 2022 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623



Tgt Ion: 75 Resp: 72832
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.1 34.8 52.2#

