

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063022\
 Data File : VX029906.D
 Acq On : 30 Jun 2022 12:57
 Operator : JC/MD
 Sample : N3485-01DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623DL

Quant Time: Jul 01 04:47:57 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)

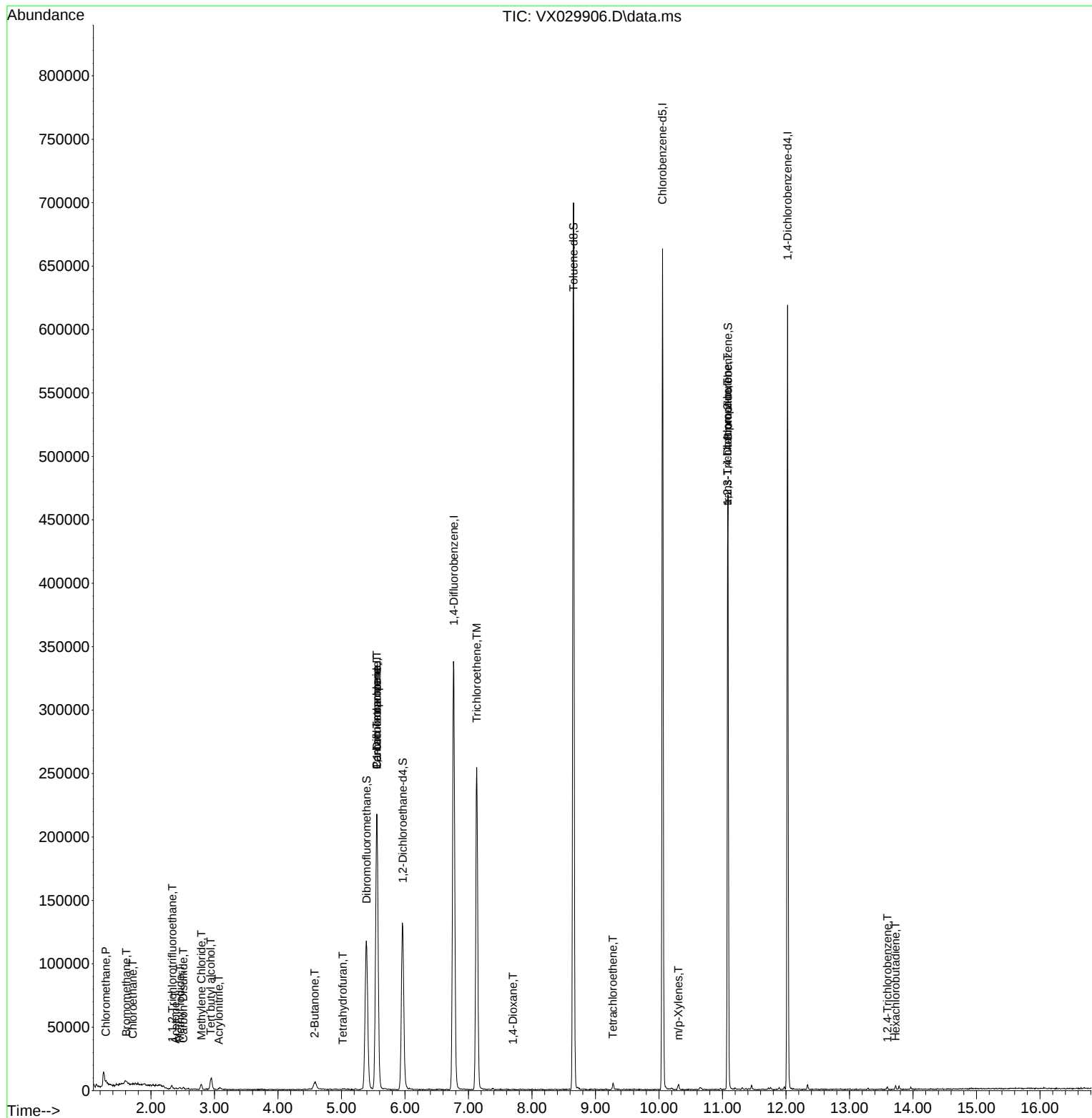
Internal Standards						
1) Pentafluorobenzene	5.556	168	213609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	366601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	306347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	116874	43.224	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.440%		
35) Dibromofluoromethane	5.398	113	103562	45.203	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.400%		
50) Toluene-d8	8.653	98	410519	47.763	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.520%		
62) 4-Bromofluorobenzene	11.086	95	130555	42.972	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.940%		
Target Compounds					Qvalue	
3) Chloromethane	1.289	50	544	0.227	ug/l	92
5) Bromomethane	1.612	94	474	0.360	ug/l	98
6) Chloroethane	1.715	64	701	1.427	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.337	101	817	0.381	ug/l #	90
10) Methyl Iodide	2.459	142	1528	2.374	ug/l #	91
11) Tert butyl alcohol	2.941	59	5226	7.390	ug/l #	76
13) Acrolein	2.240	56	64	Below Cal	#	1
15) Acrylonitrile	3.069	53	380	0.230	ug/l #	84
16) Acetone	2.386	43	876	0.662	ug/l	94
17) Carbon Disulfide	2.508	76	1967	0.360	ug/l	95
20) Methylene Chloride	2.794	84	1877	0.672	ug/l #	93
25) 2-Butanone	4.574	43	619	0.270	ug/l #	48
29) Tetrahydrofuran	5.020	42	306	0.203	ug/l #	48
36) 1,1-Dichloropropene	5.556	75	16154	5.301	ug/l #	50
38) Carbon Tetrachloride	5.556	117	19227	7.282	ug/l #	18
44) Trichloroethene	7.129	130	101060	38.085	ug/l	99
49) 1,4-Dioxane	7.702	88	46	0.653	ug/l #	25
64) Tetrachloroethene	9.275	164	835	0.452	ug/l #	81
68) m/p-Xylenes	10.305	106	862	0.210	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	61117	20.637	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	61117	65.539	ug/l #	12
93) 1,2,4-Trichlorobenzene	13.597	180	617	0.251	ug/l	95
94) Hexachlorobutadiene	13.725	225	474	0.521	ug/l	83

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

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RW4-20220623DL

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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

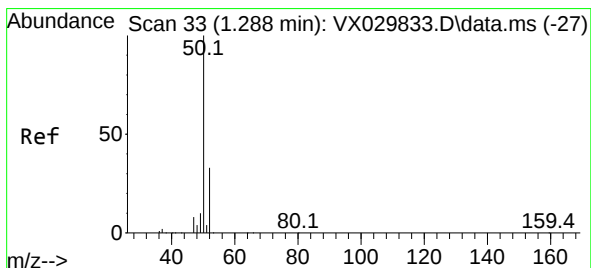
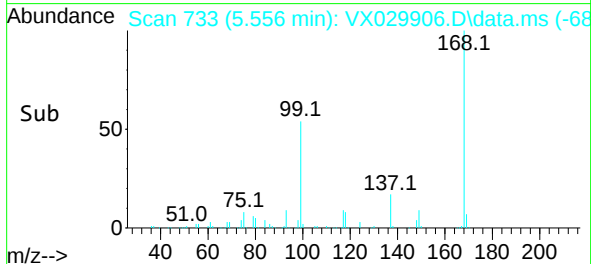
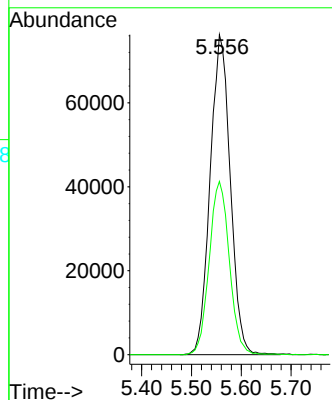
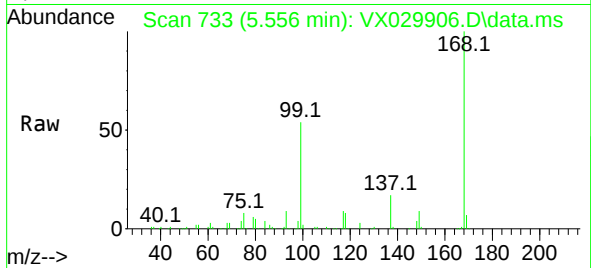




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

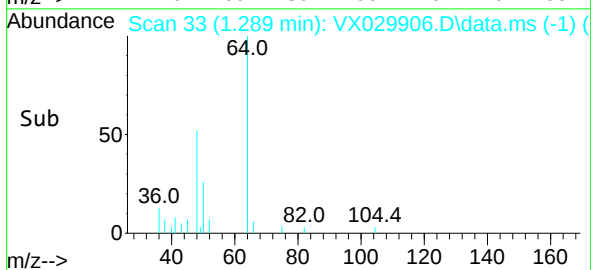
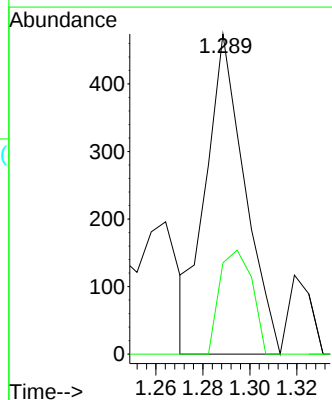
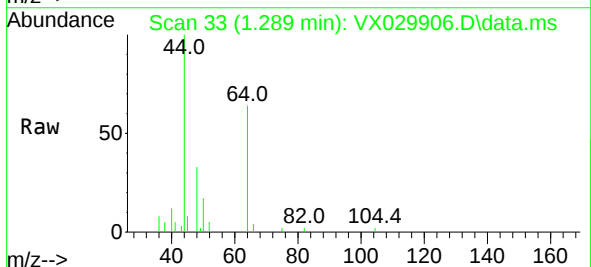
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623DL

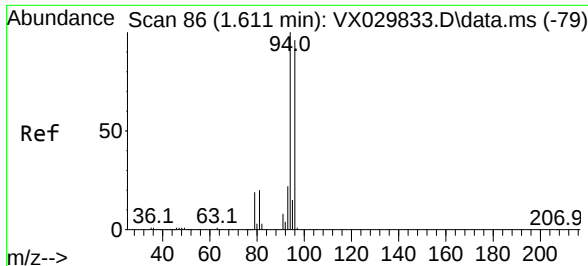
Tgt Ion:168 Resp: 213609
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#3
Chloromethane
Concen: 0.227 ug/l
RT: 1.289 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion: 50 Resp: 544
Ion Ratio Lower Upper
50 100
52 28.5 26.3 39.5

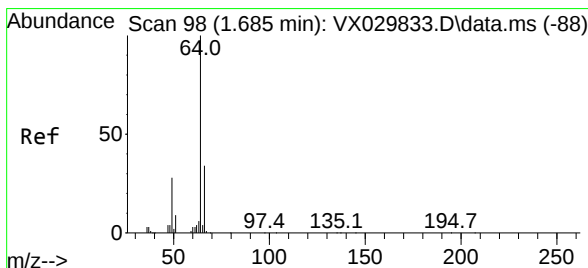
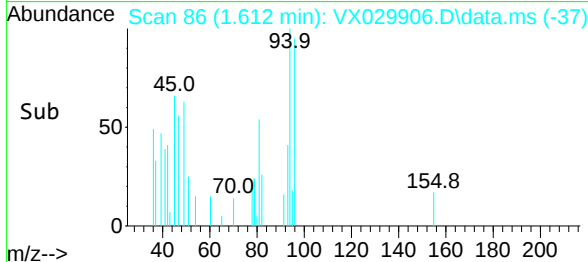
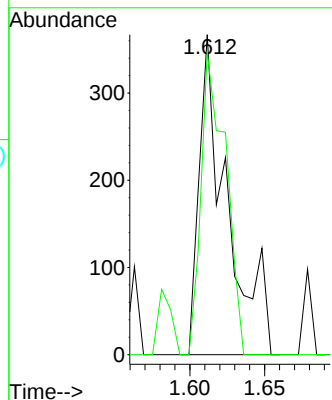
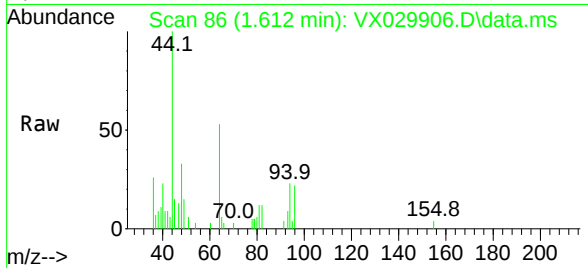




#5
 Bromomethane
 Concen: 0.360 ug/l
 RT: 1.612 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VX029906.D
 Acq: 30 Jun 2022 12:57

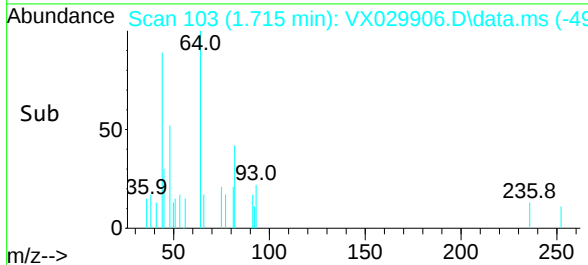
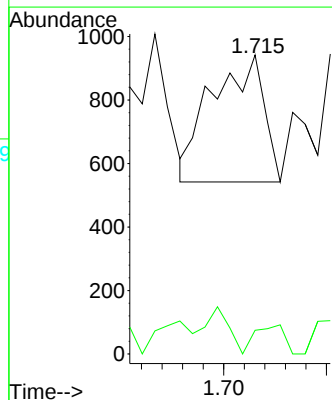
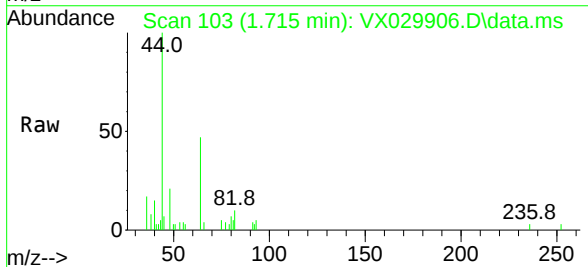
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623DL

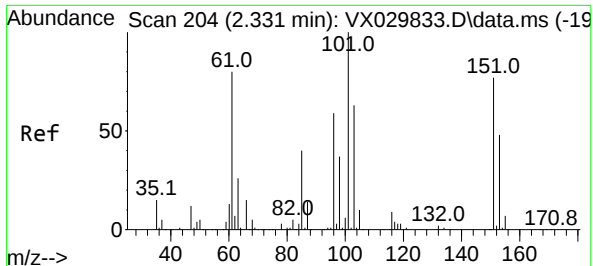
Tgt Ion: 94 Resp: 474
 Ion Ratio Lower Upper
 94 100
 96 94.6 76.9 115.3



#6
 Chloroethane
 Concen: 1.427 ug/l
 RT: 1.715 min Scan# 103
 Delta R.T. 0.030 min
 Lab File: VX029906.D
 Acq: 30 Jun 2022 12:57

Tgt Ion: 64 Resp: 701
 Ion Ratio Lower Upper
 64 100
 66 0.0 27.2 40.8#

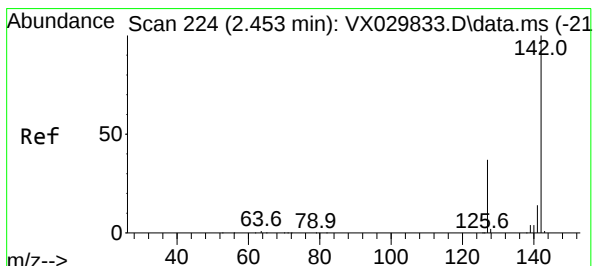
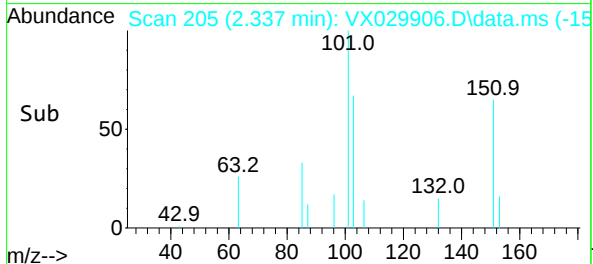
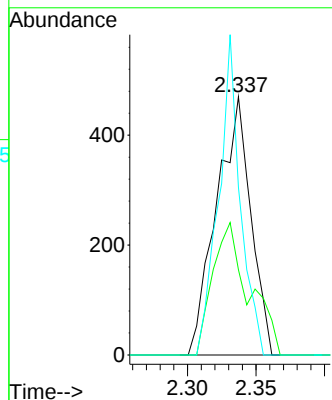
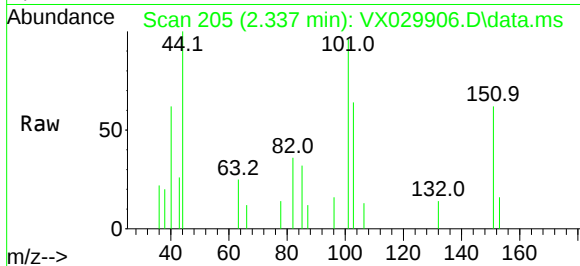




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.381 ug/l
RT: 2.337 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

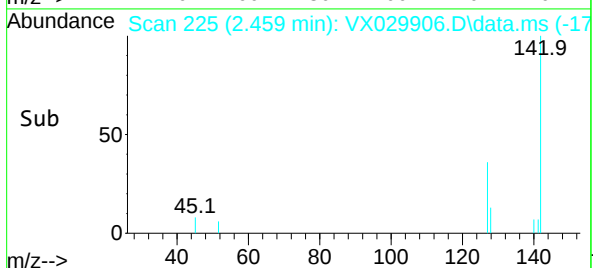
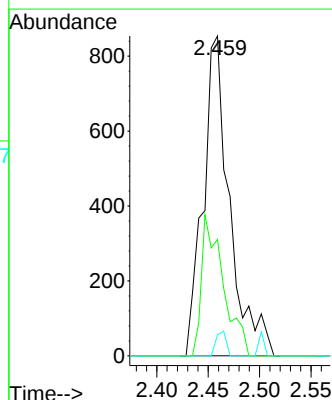
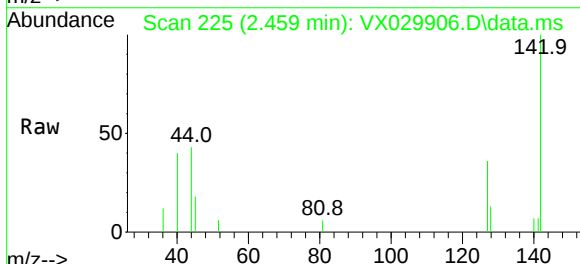
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623DL

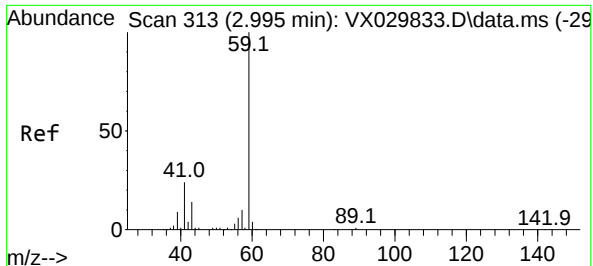
Tgt Ion:101 Resp: 817
Ion Ratio Lower Upper
101 100
85 54.3 34.0 51.0#
151 78.3 59.4 89.0



#10
Methyl Iodide
Concen: 2.374 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion:142 Resp: 1528
Ion Ratio Lower Upper
142 100
127 36.2 30.2 45.2
141 2.9 11.3 16.9#





#11

Tert butyl alcohol

Concen: 7.390 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX029906.D

Acq: 30 Jun 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

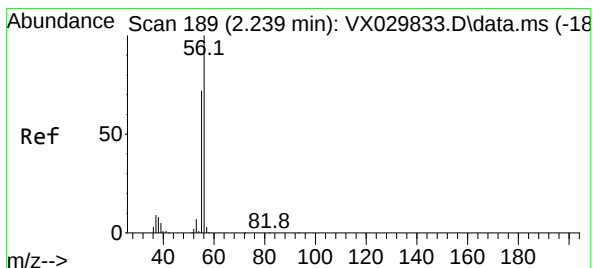
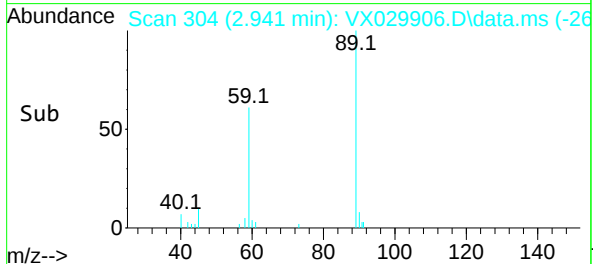
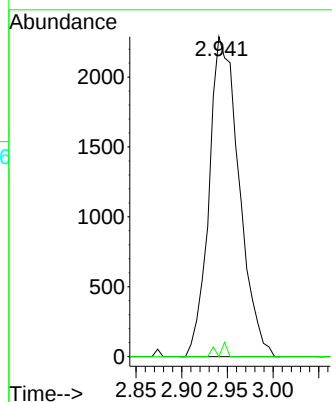
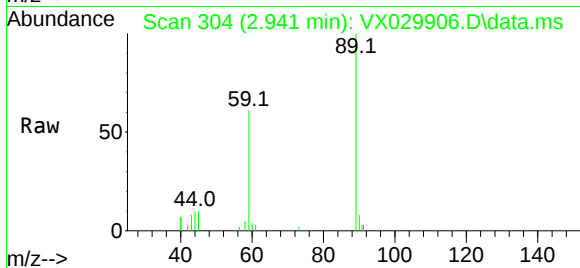
RW4-20220623DL

Tgt Ion: 59 Resp: 5226

Ion Ratio Lower Upper

59 100

57 0.5 7.4 11.2#



#13

Acrolein

Concen: Below Cal

RT: 2.240 min Scan# 189

Delta R.T. 0.001 min

Lab File: VX029906.D

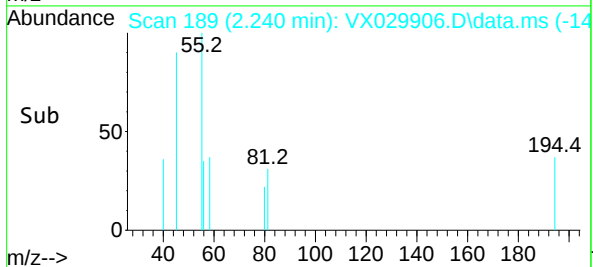
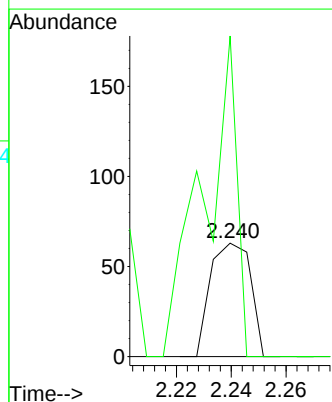
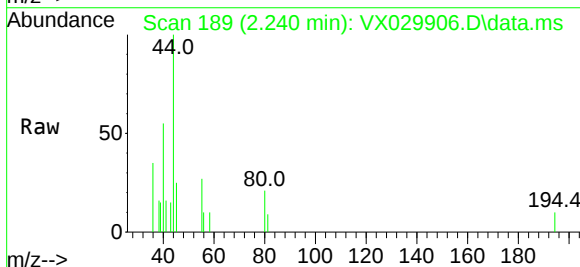
Acq: 30 Jun 2022 12:57

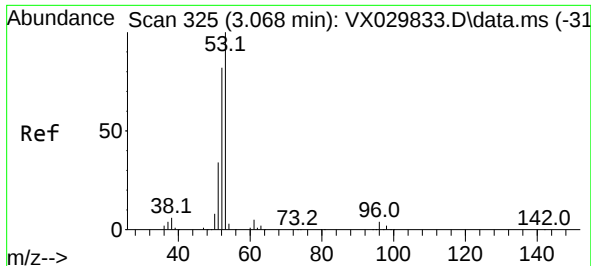
Tgt Ion: 56 Resp: 64

Ion Ratio Lower Upper

56 100

55 232.8 56.6 84.8#





#15

Acrylonitrile

Concen: 0.230 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX029906.D

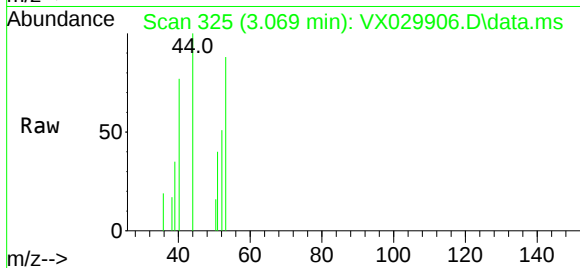
Acq: 30 Jun 2022 12:57

Instrument :

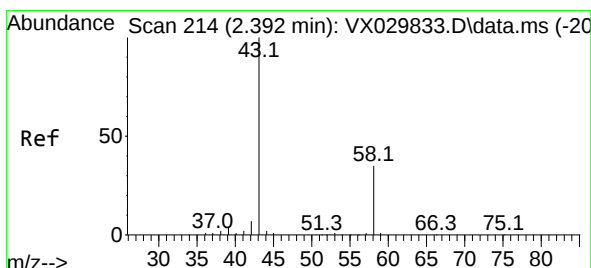
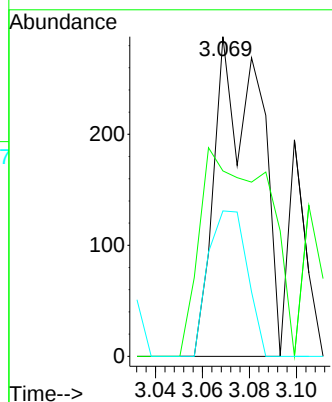
MSVOA_X

ClientSampleId :

RW4-20220623DL



Tgt Ion: 53	Resp:	380
Ion	Ratio	Lower Upper
53	100	
52	98.4	65.4 98.0#
51	39.7	27.7 41.5



#16

Acetone

Concen: 0.662 ug/l

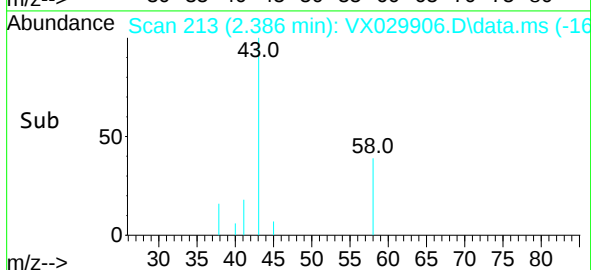
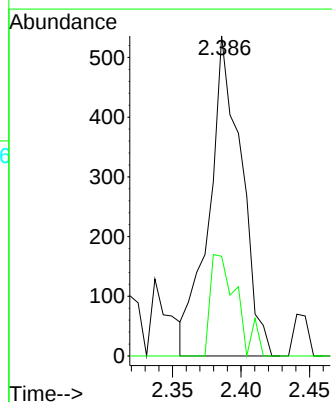
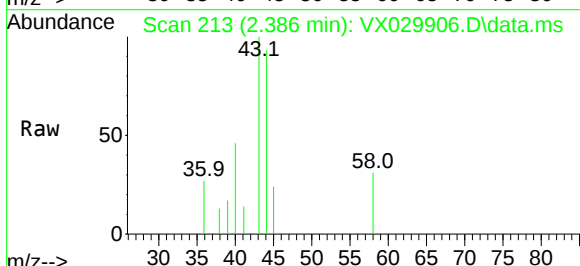
RT: 2.386 min Scan# 213

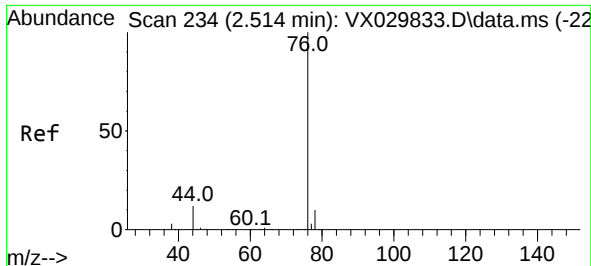
Delta R.T. -0.006 min

Lab File: VX029906.D

Acq: 30 Jun 2022 12:57

Tgt Ion: 43	Resp:	876
Ion	Ratio	Lower Upper
43	100	
58	31.2	27.7 41.5

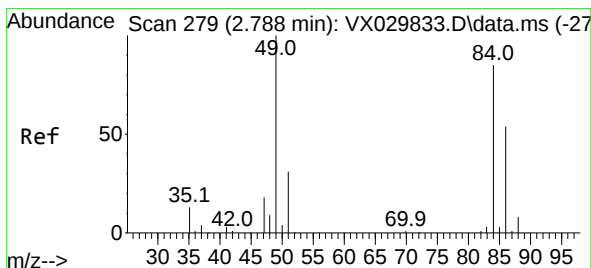
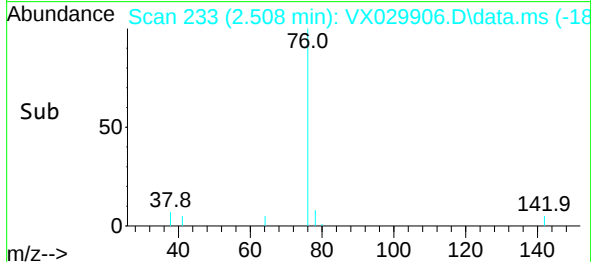
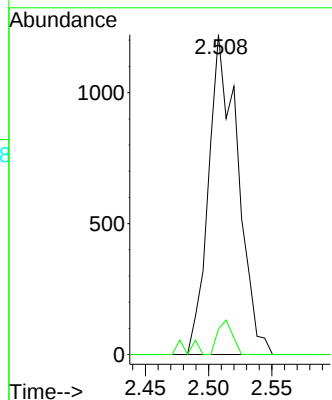
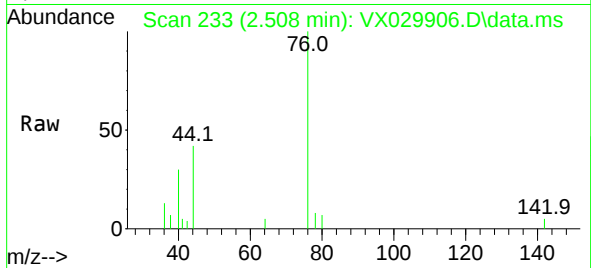




#17
Carbon Disulfide
Concen: 0.360 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

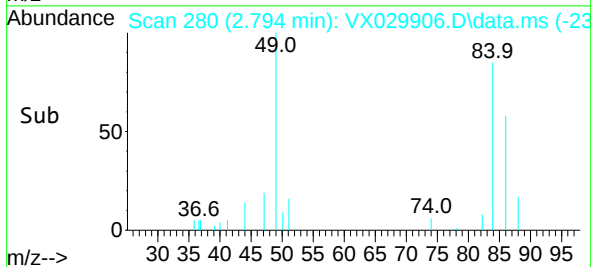
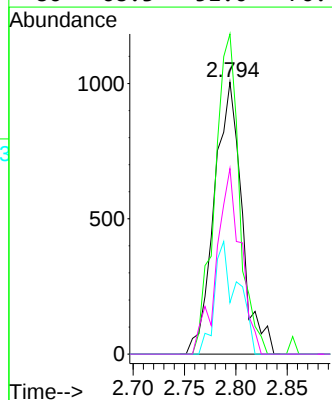
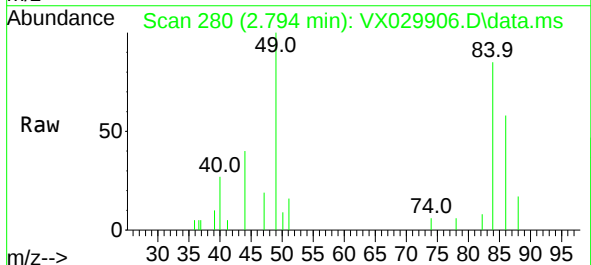
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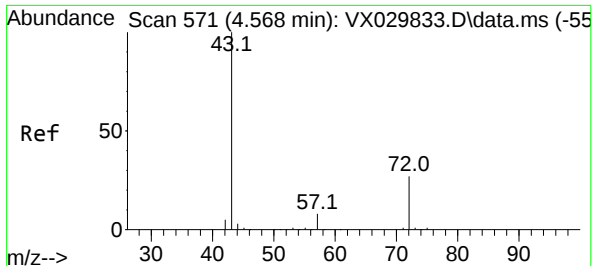
Tgt Ion: 76 Resp: 1967
Ion Ratio Lower Upper
76 100
78 7.9 7.8 11.6



#20
Methylene Chloride
Concen: 0.672 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion: 84 Resp: 1877
Ion Ratio Lower Upper
84 100
49 117.7 93.8 140.6
51 18.9 29.4 44.0#
86 68.3 51.0 76.4

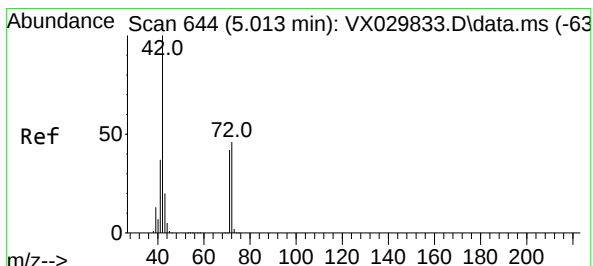
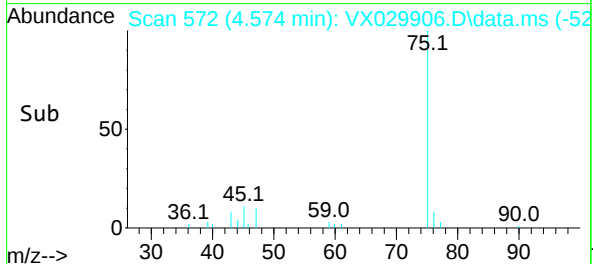
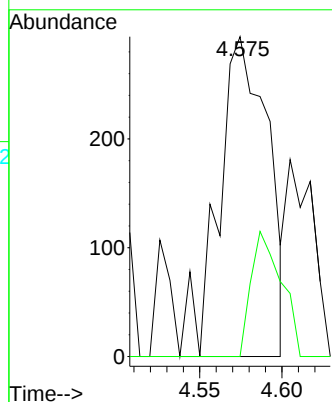
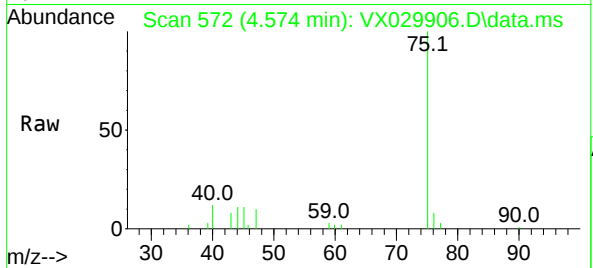




#25
2-Butanone
Concen: 0.270 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

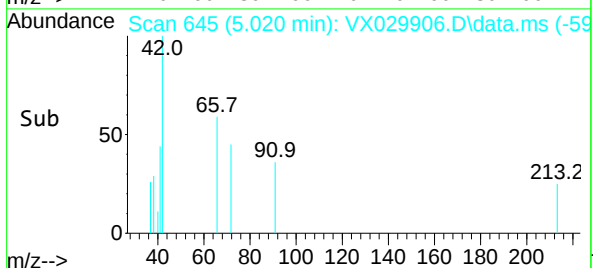
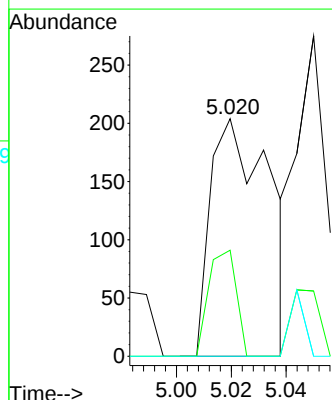
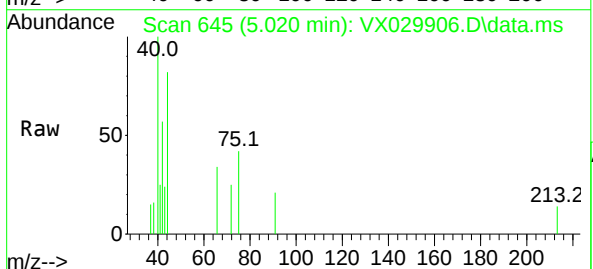
Instrument :
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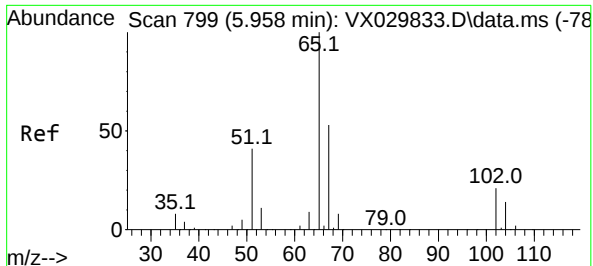
Tgt Ion: 43 Resp: 619
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#29
Tetrahydrofuran
Concen: 0.203 ug/l
RT: 5.020 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion: 42 Resp: 306
Ion Ratio Lower Upper
42 100
72 20.9 36.5 54.7#
71 0.0 33.9 50.9#





#33

1,2-Dichloroethane-d4

Concen: 43.224 ug/l

RT: 5.964 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX029906.D

Acq: 30 Jun 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

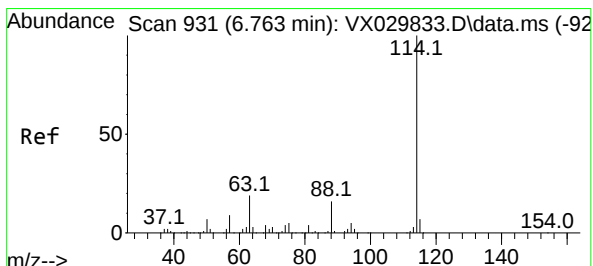
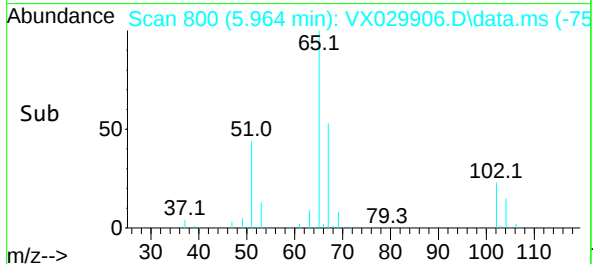
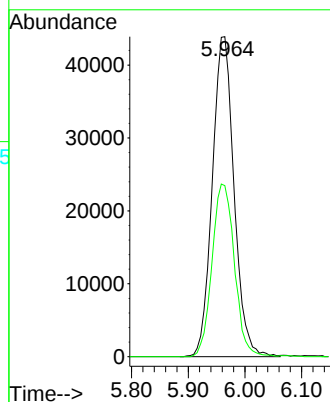
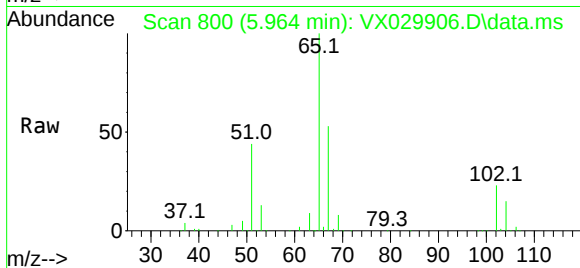
RW4-20220623DL

Tgt Ion: 65 Resp: 116874

Ion Ratio Lower Upper

65 100

67 55.5 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: VX029906.D

Acq: 30 Jun 2022 12:57

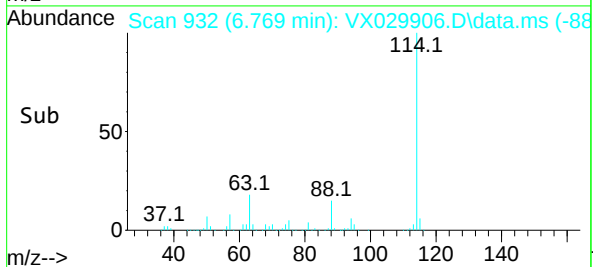
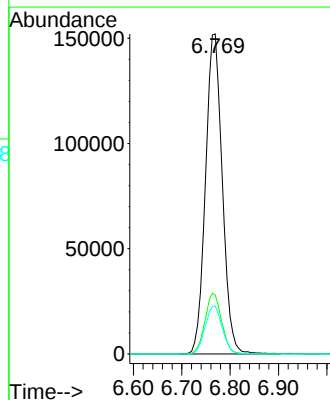
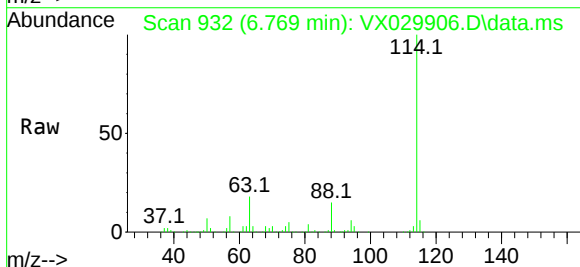
Tgt Ion: 114 Resp: 366601

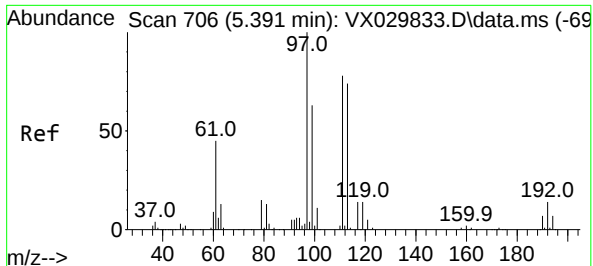
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.203 ug/l

RT: 5.398 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX029906.D

Acq: 30 Jun 2022 12:57

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220623DL

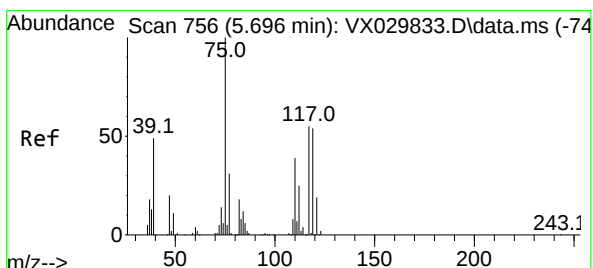
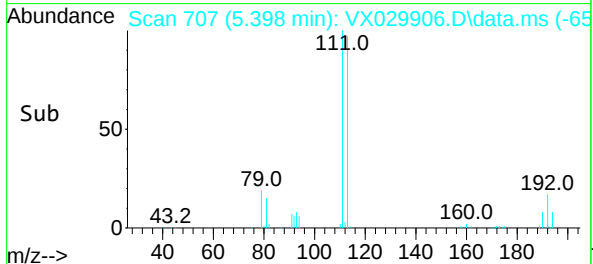
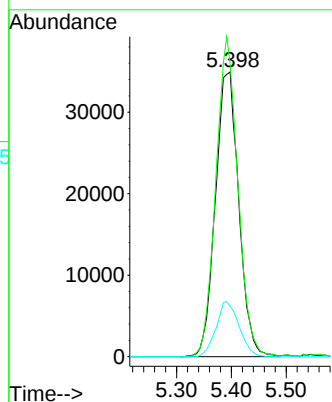
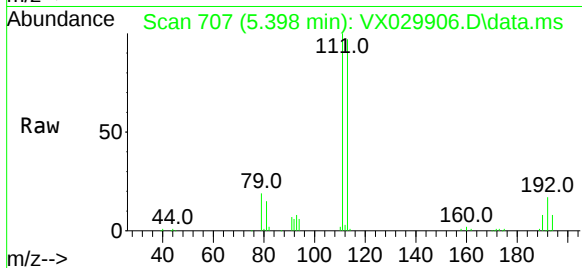
Tgt Ion:113 Resp: 103562

Ion Ratio Lower Upper

113 100

111 105.9 83.2 124.8

192 19.0 14.8 22.2



#36

1,1-Dichloropropene

Concen: 5.301 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029906.D

Acq: 30 Jun 2022 12:57

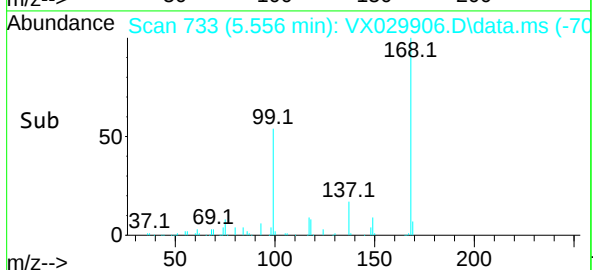
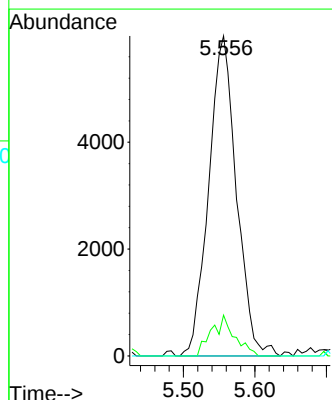
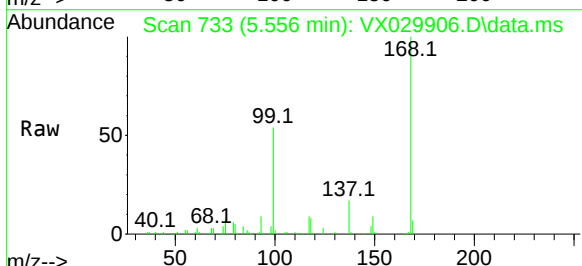
Tgt Ion: 75 Resp: 16154

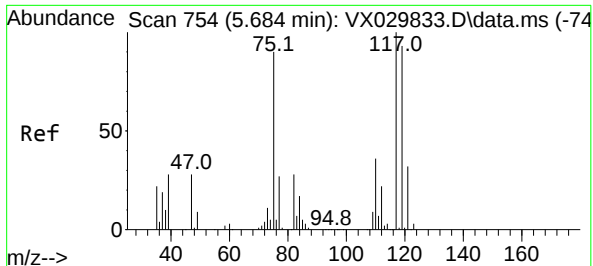
Ion Ratio Lower Upper

75 100

110 10.6 19.3 57.9#

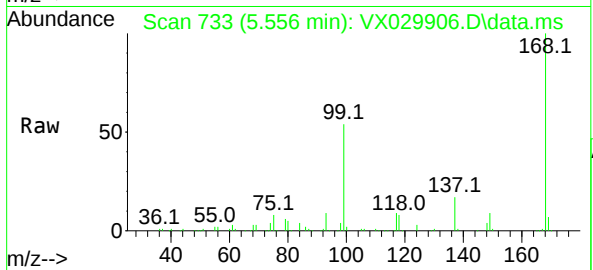
77 0.0 24.4 36.6#



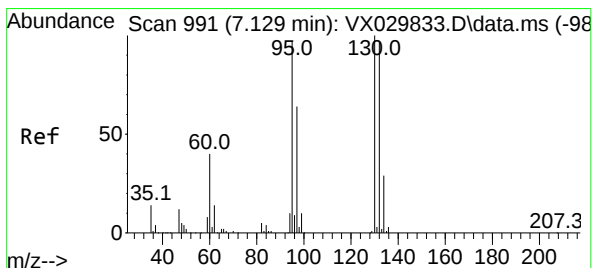
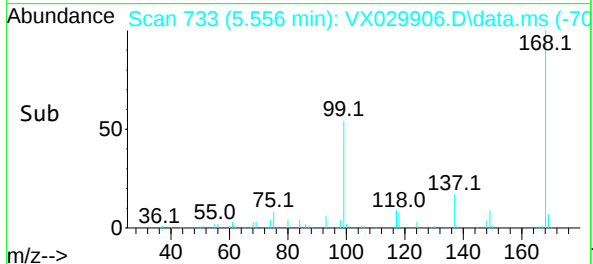
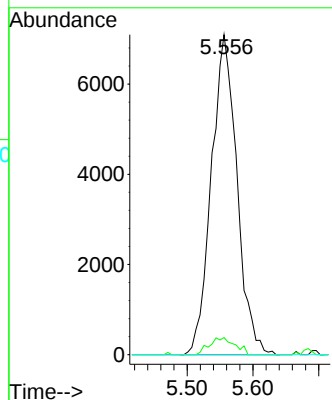


#38
Carbon Tetrachloride
Concen: 7.282 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623DL

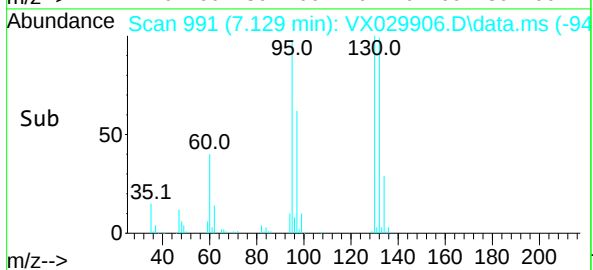
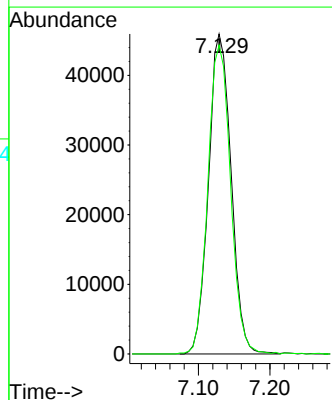
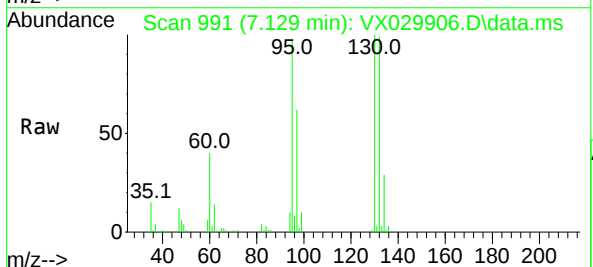


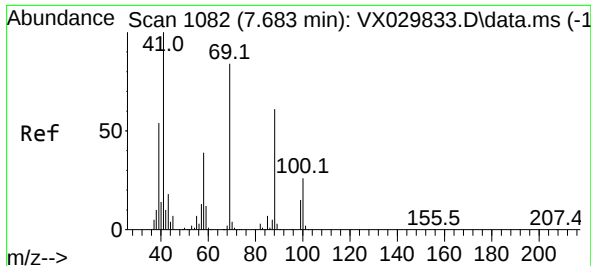
Tgt Ion:117 Resp: 19227
Ion Ratio Lower Upper
117 100
119 5.4 74.1 111.1#
121 0.0 25.8 38.8#



#44
Trichloroethene
Concen: 38.085 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion:130 Resp: 101060
Ion Ratio Lower Upper
130 100
95 96.5 0.0 194.8





#49

1,4-Dioxane

Concen: 0.653 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.019 min

Lab File: VX029906.D

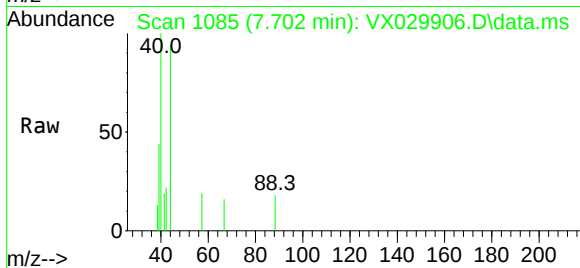
Acq: 30 Jun 2022 12:57

Instrument :

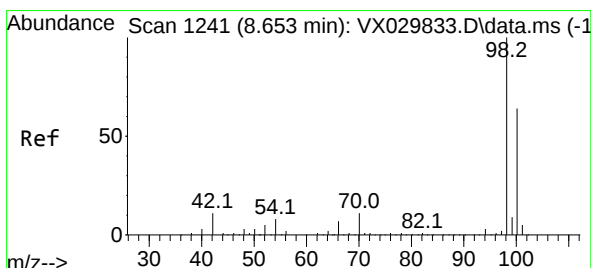
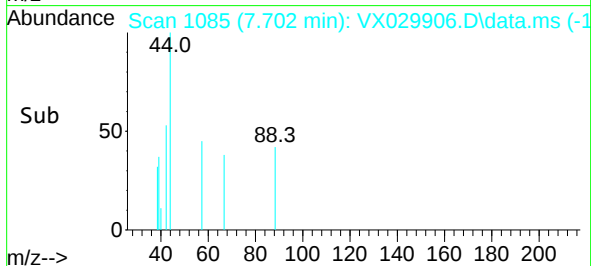
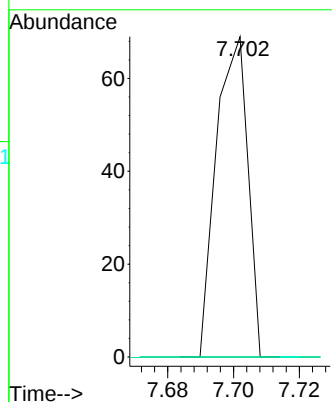
MSVOA_X

ClientSampleId :

RW4-20220623DL



Tgt Ion:	88	Resp:	46
Ion	Ratio	Lower	Upper
88	100		
43	0.0	23.8	35.8#
58	0.0	53.8	80.6#



#50

Toluene-d8

Concen: 47.763 ug/l

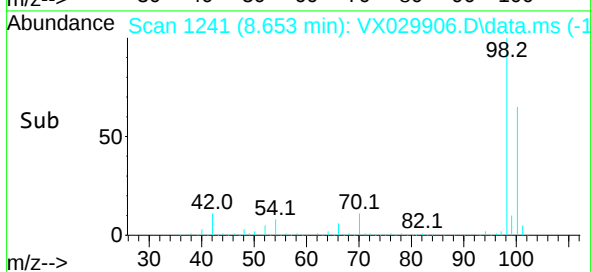
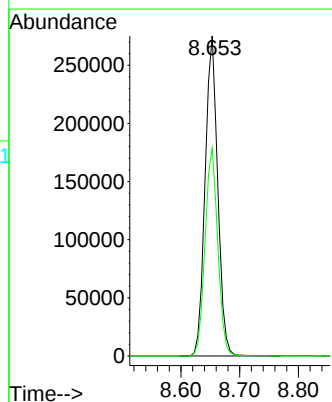
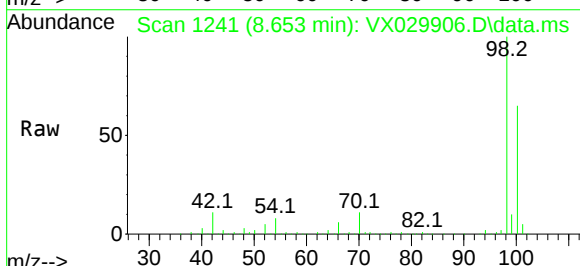
RT: 8.653 min Scan# 1241

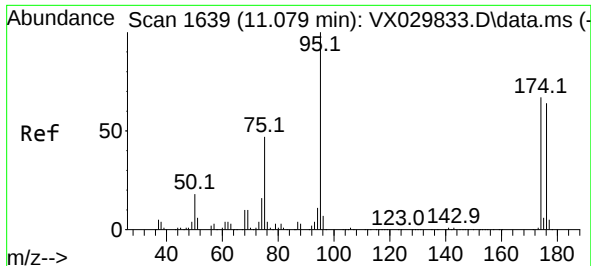
Delta R.T. 0.000 min

Lab File: VX029906.D

Acq: 30 Jun 2022 12:57

Tgt Ion:	98	Resp:	410519
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5

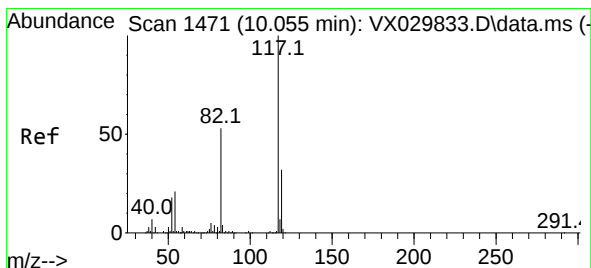
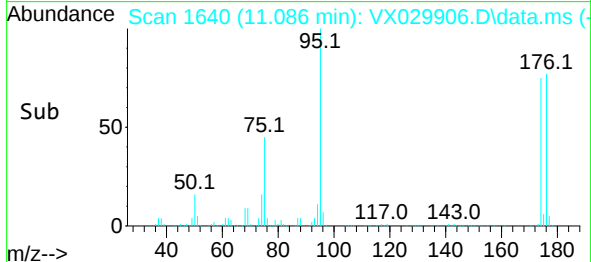
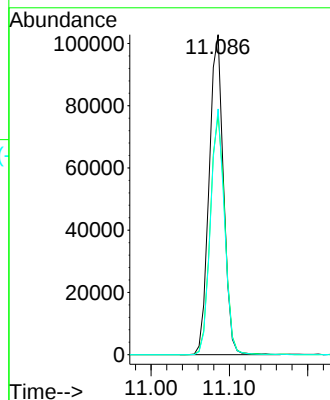
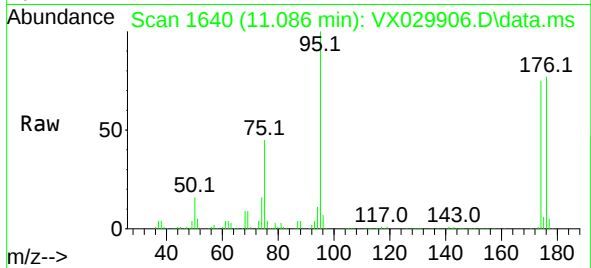




#62
4-Bromofluorobenzene
Concen: 42.972 ug/l
RT: 11.086 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

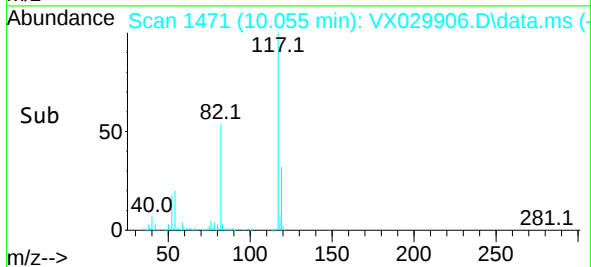
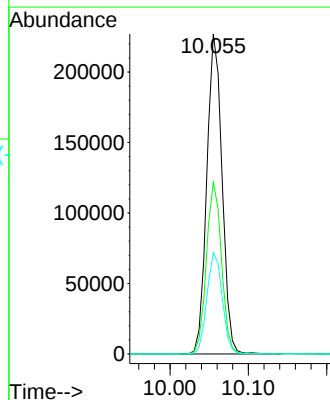
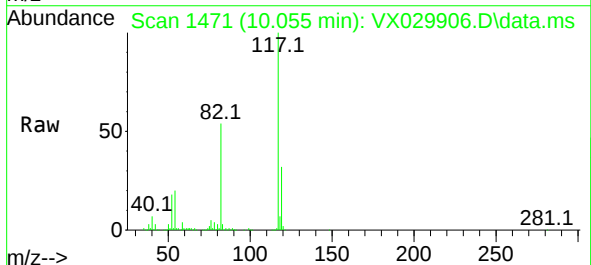
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623DL

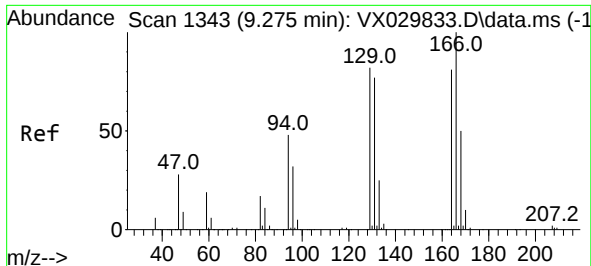
Tgt Ion: 95 Resp: 130555
Ion Ratio Lower Upper
95 100
174 75.7 0.0 149.0
176 74.4 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion: 117 Resp: 306347
Ion Ratio Lower Upper
117 100
82 53.6 42.7 64.1
119 31.7 25.4 38.2

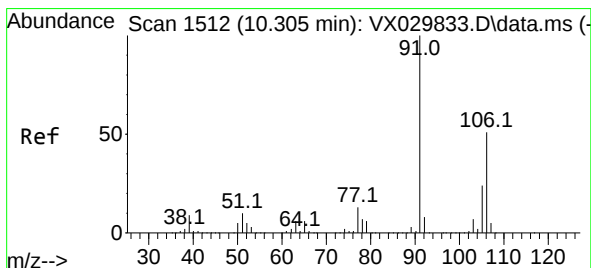
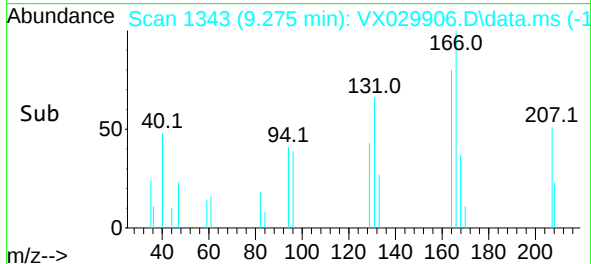
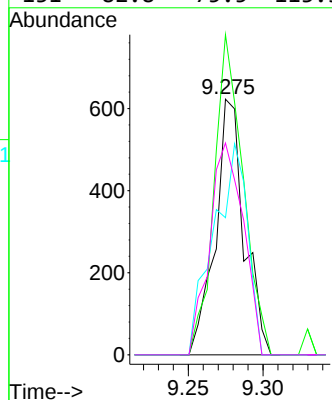
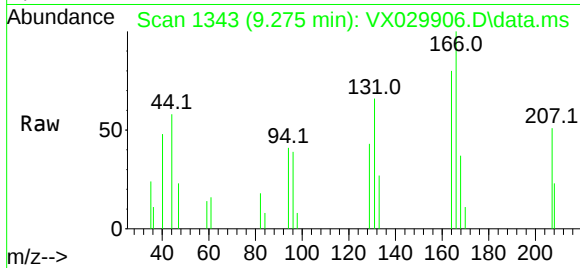




#64
Tetrachloroethene
Concen: 0.452 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

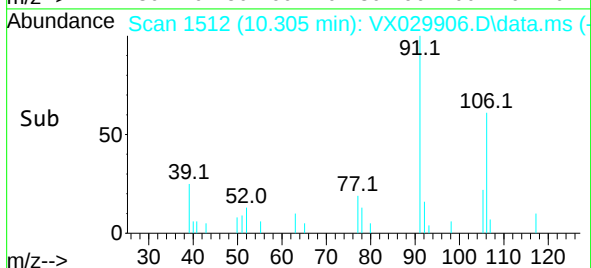
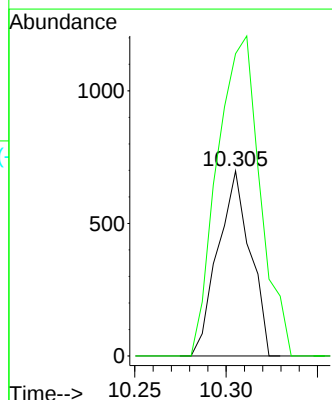
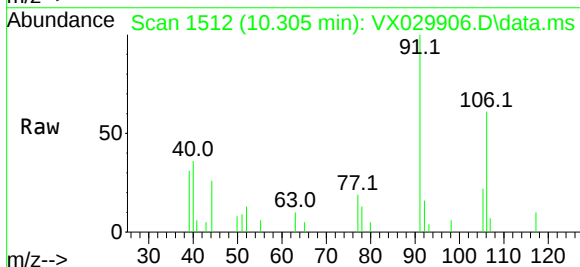
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623DL

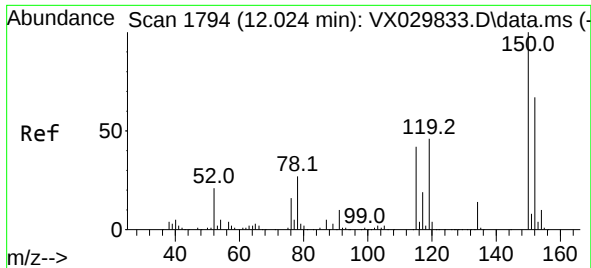
Tgt Ion:164	Resp:	835
Ion	Ratio	Lower Upper
164	100	
166	125.2	98.2 147.4
129	53.6	80.8 121.2#
131	82.8	75.5 113.3



#68
m/p-Xylenes
Concen: 0.210 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion:106	Resp:	862
Ion	Ratio	Lower Upper
106	100	
91	227.6	158.2 237.4

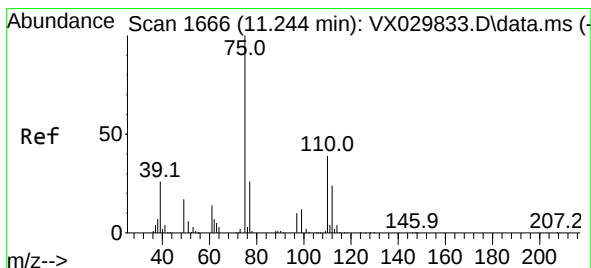
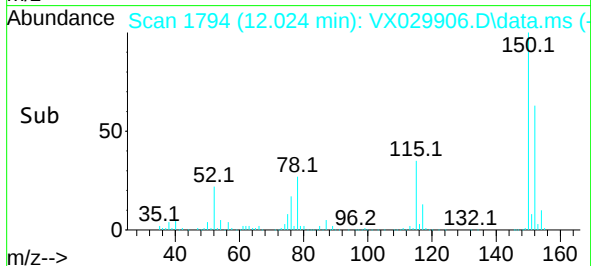
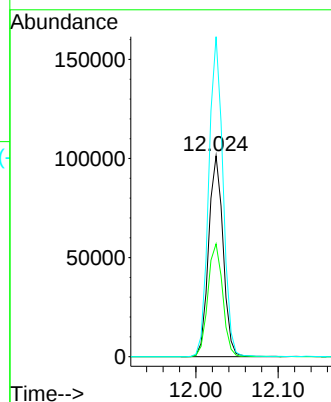
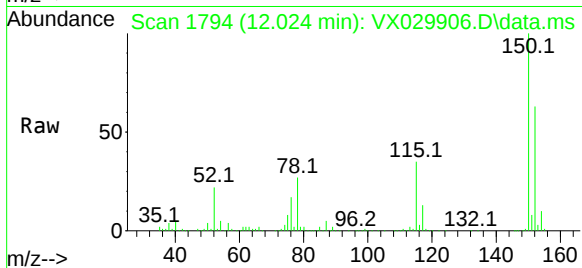




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029906.D
 Acq: 30 Jun 2022 12:57

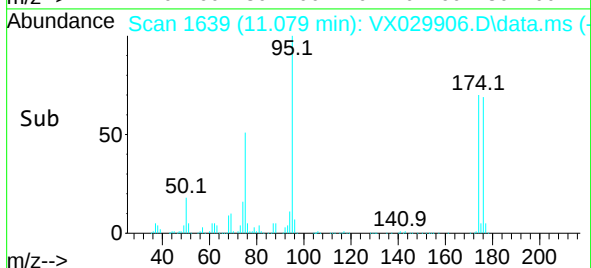
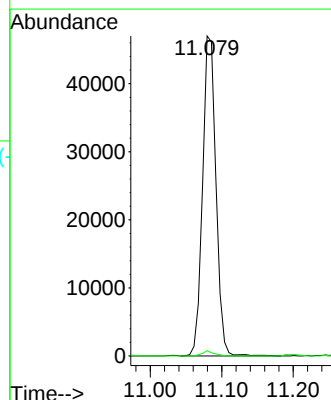
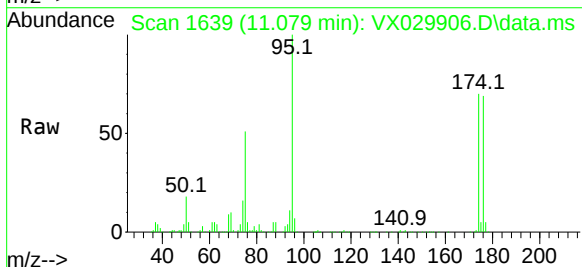
Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623DL

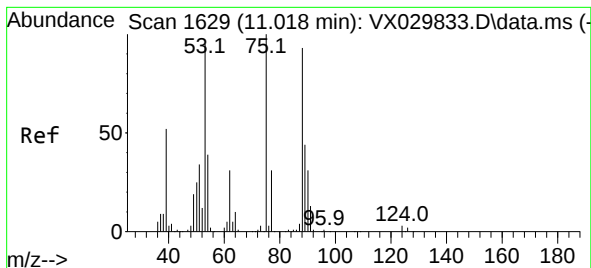
Tgt Ion:152 Resp: 123711
 Ion Ratio Lower Upper
 152 100
 115 57.4 40.5 121.5
 150 156.7 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.637 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX029906.D
 Acq: 30 Jun 2022 12:57

Tgt Ion: 75 Resp: 61117
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#

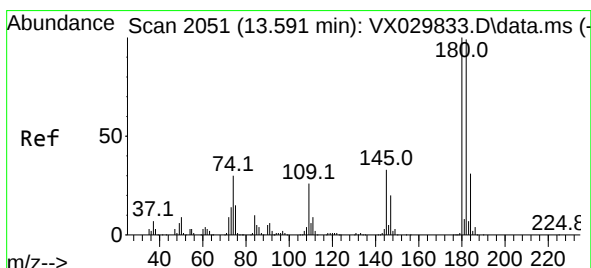
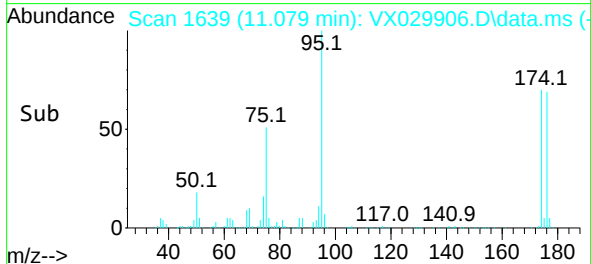
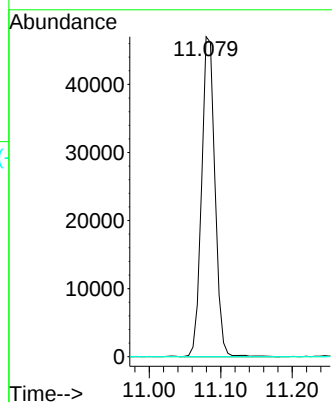
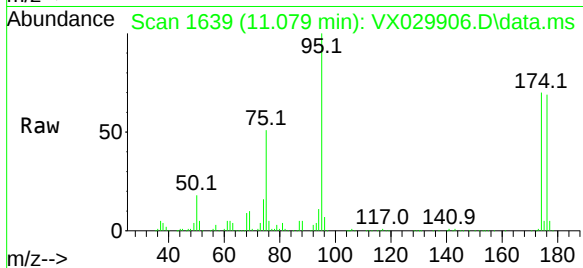




#81
trans-1,4-Dichloro-2-butene
Concen: 65.539 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

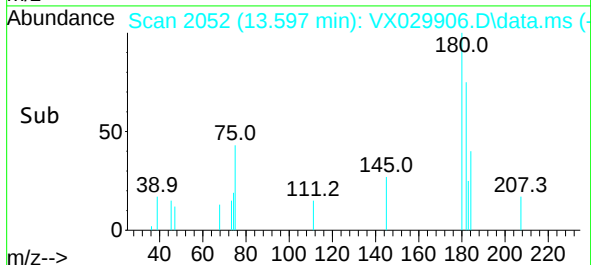
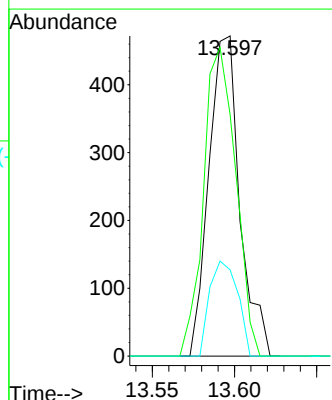
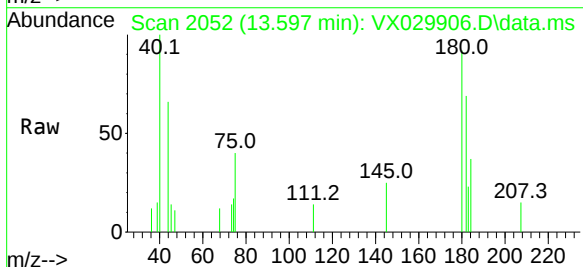
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220623DL

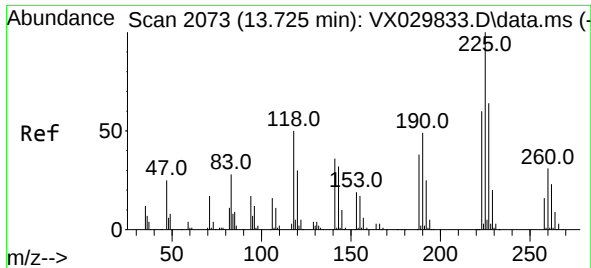
Tgt Ion: 75 Resp: 61117
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.251 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX029906.D
Acq: 30 Jun 2022 12:57

Tgt Ion:180 Resp: 617
Ion Ratio Lower Upper
180 100
182 100.0 48.2 144.6
145 26.9 15.9 47.6





#94
 Hexachlorobutadiene
 Concen: 0.521 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX029906.D
 Acq: 30 Jun 2022 12:57

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220623DL

Tgt Ion:	225	Resp:	474
Ion	Ratio	Lower	Upper
225	100		
223	82.5	30.6	91.6
227	59.1	31.9	95.9

