

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090322\
 Data File : VX031091.D
 Acq On : 03 Sep 2022 18:37
 Operator : JC/MD
 Sample : N4357-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220823

Quant Time: Sep 06 00:15:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 02:49:21 2022
 Response via : Initial Calibration

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

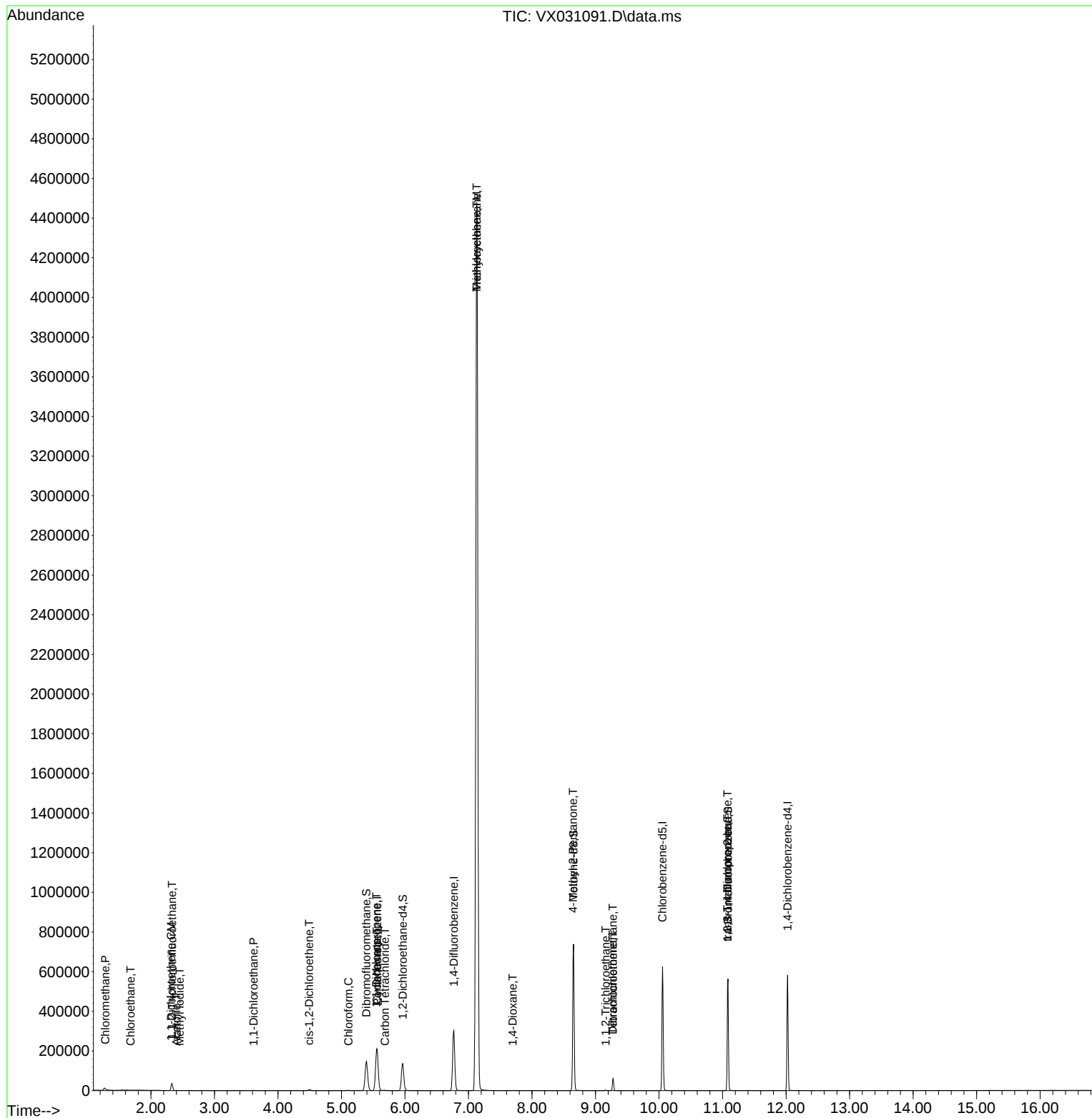
Internal Standards						
1) Pentafluorobenzene	5.562	168	217135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	340472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	305265	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	133064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	135871	48.632	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.260%
35) Dibromofluoromethane	5.391	113	130227	52.413	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.820%
50) Toluene-d8	8.653	98	465304	50.884	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.760%
62) 4-Bromofluorobenzene	11.085	95	153830	47.629	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.260%
Target Compounds						Qvalue
3) Chloromethane	1.282	50	507	0.935	ug/l #	42
6) Chloroethane	1.678	64	424	1.978	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.331	101	11743	4.496	ug/l	91
10) Methyl Iodide	2.453	142	633	3.145	ug/l #	88
11) Tert butyl alcohol	2.934	59	80	Below Cal	#	74
12) 1,1-Dichloroethene	2.319	96	2905	1.152	ug/l	92
16) Acetone	2.398	43	381	0.353	ug/l #	79
20) Methylene Chloride	2.788	84	299	Below Cal	#	40
24) 1,1-Dichloroethane	3.617	63	1519	0.334	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	3906	1.242	ug/l	81
30) Chloroform	5.111	83	1825	0.366	ug/l #	80
31) Cyclohexane	5.556	56	3304	0.866	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14370	4.129	ug/l #	49
38) Carbon Tetrachloride	5.684	117	1624	0.450	ug/l #	67
39) Methylcyclohexane	7.129	83	19988	4.634	ug/l #	1
44) Trichloroethene	7.129	130	1906623	602.859	ug/l	99
49) 1,4-Dioxane	7.696	88	583	8.034	ug/l #	71
51) 4-Methyl-2-Pentanone	8.647	43	1319	0.434	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	919	0.334	ug/l #	62
60) Dibromochloromethane	9.275	129	10837	3.789	ug/l #	11
64) Tetrachloroethene	9.275	164	11661	3.826	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	71584	22.757	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	71584	71.521	ug/l #	12

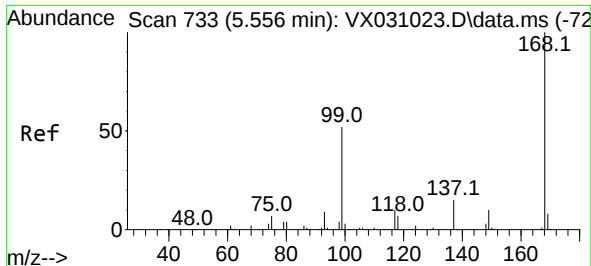
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 02 02:49:21 2022
Response via : Initial Calibration

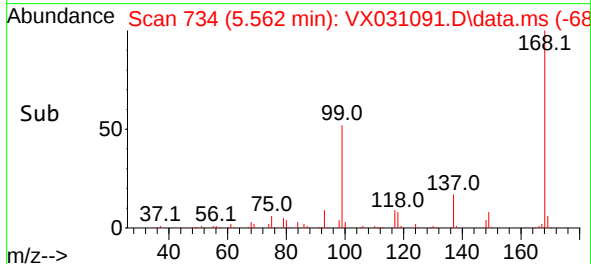
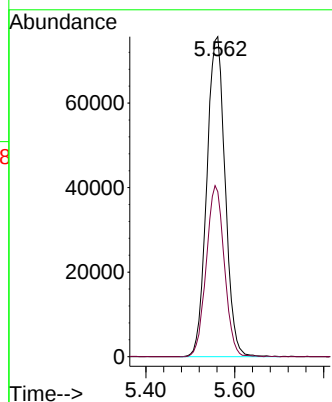
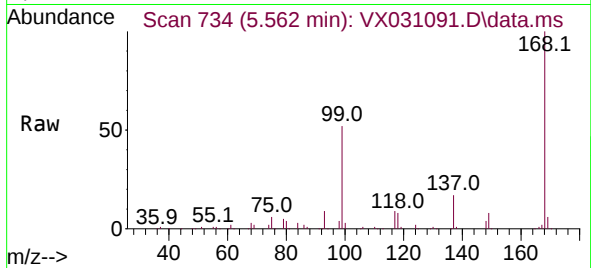




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

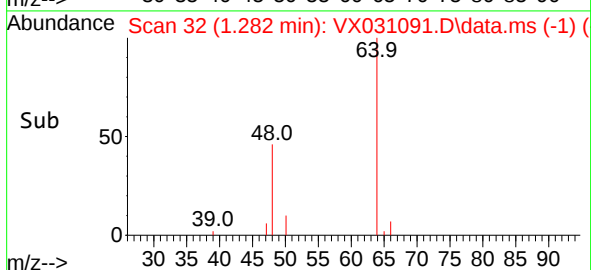
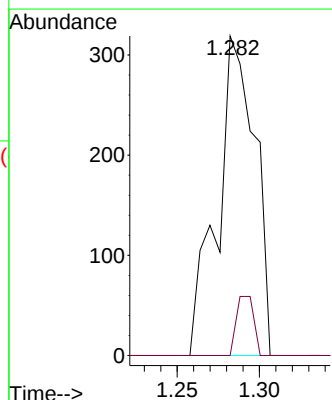
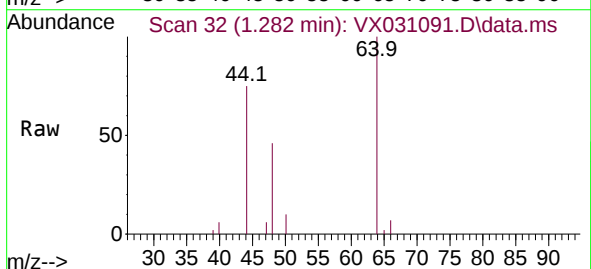
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

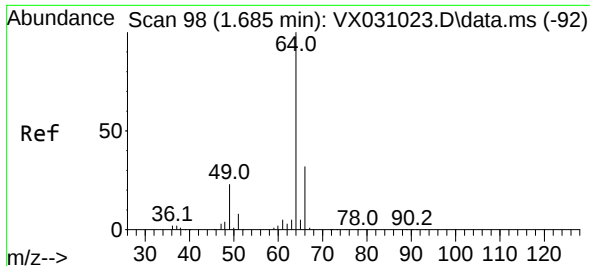
Tgt Ion:168 Resp: 217135
Ion Ratio Lower Upper
168 100
99 51.6 44.0 66.0



#3
Chloromethane
Concen: 0.935 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion: 50 Resp: 507
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#

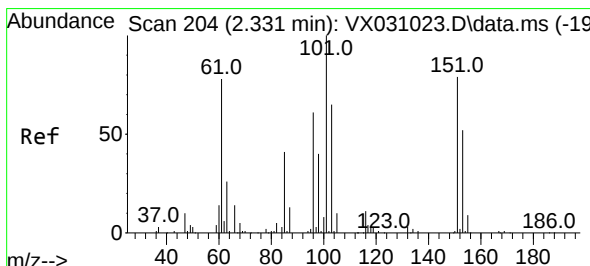
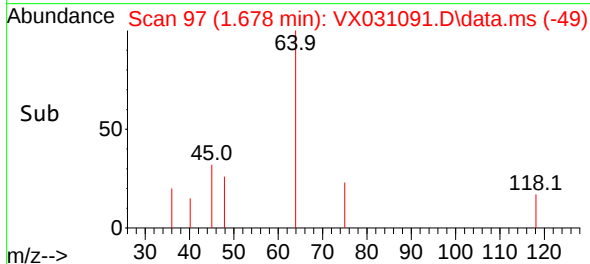
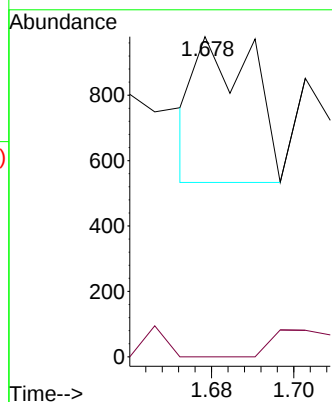
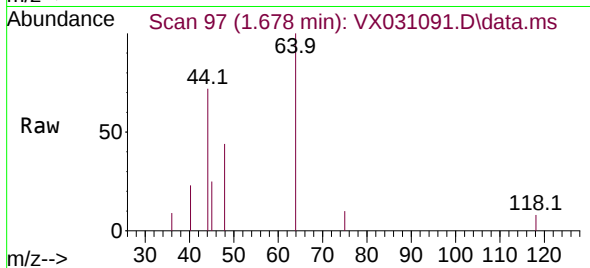




#6
Chloroethane
Concen: 1.978 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

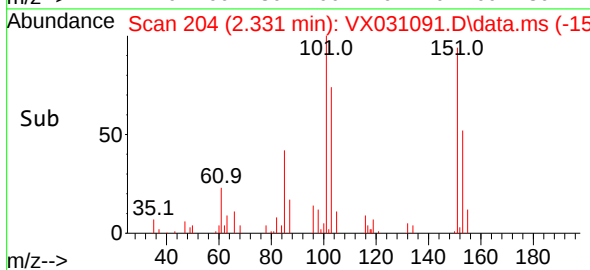
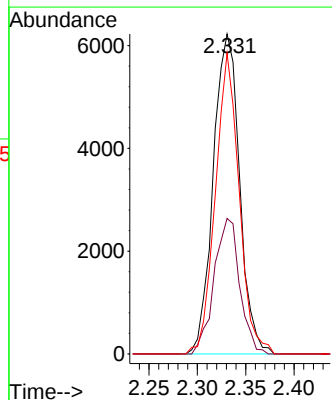
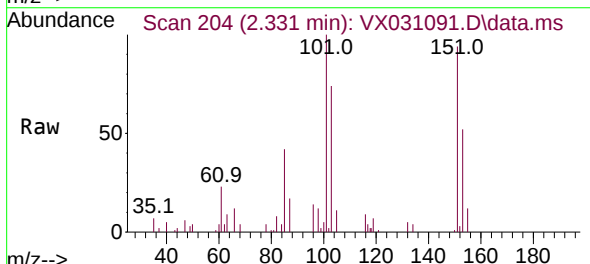
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

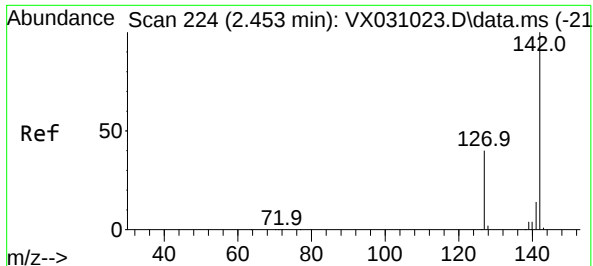
Tgt Ion: 64 Resp: 424
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.496 ug/l
RT: 2.331 min Scan# 204
Delta R.T. 0.006 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion: 101 Resp: 11743
Ion Ratio Lower Upper
101 100
85 41.3 34.0 51.0
151 85.0 59.4 89.0

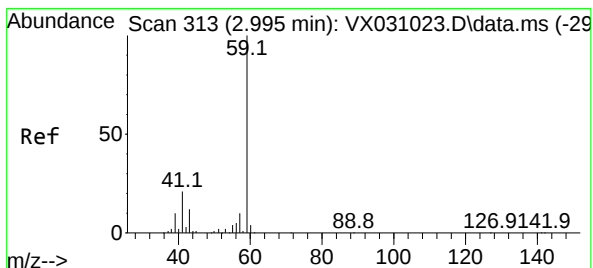
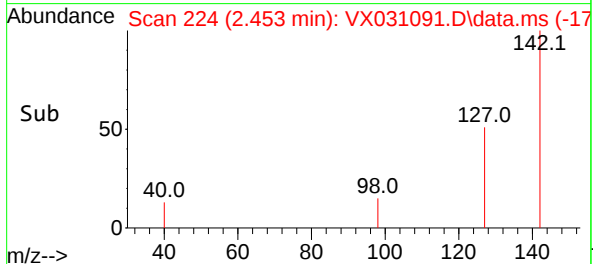
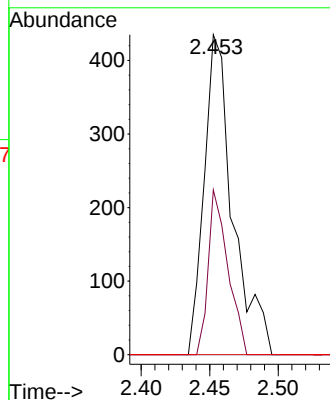
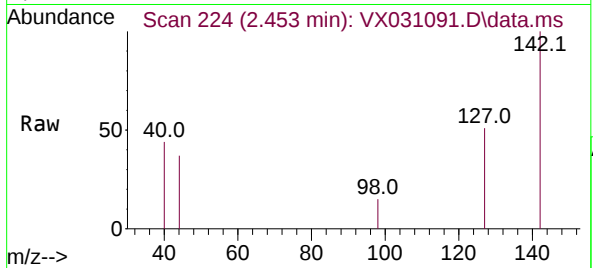




#10
Methyl Iodide
Concen: 3.145 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

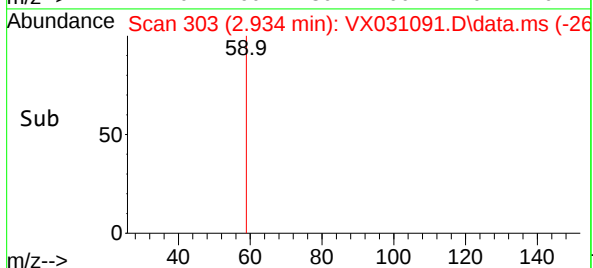
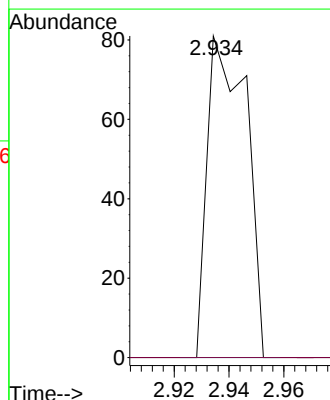
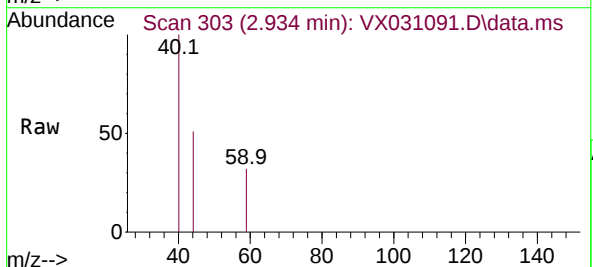
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

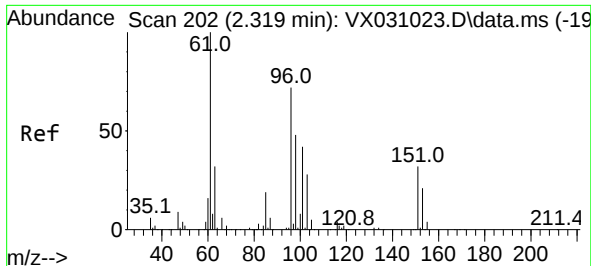
Tgt Ion:142 Resp: 633
Ion Ratio Lower Upper
142 100
127 35.2 30.2 45.2
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.934 min Scan# 303
Delta R.T. -0.055 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion: 59 Resp: 80
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 1.152 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX031091.D

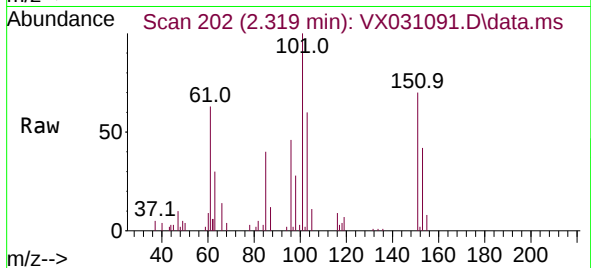
Acq: 03 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220823



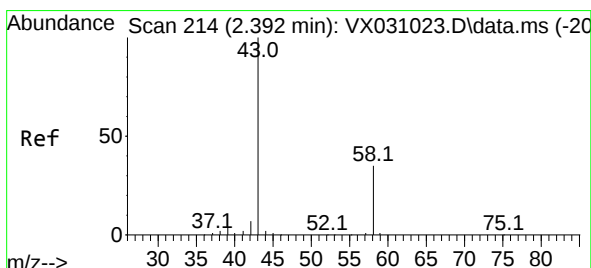
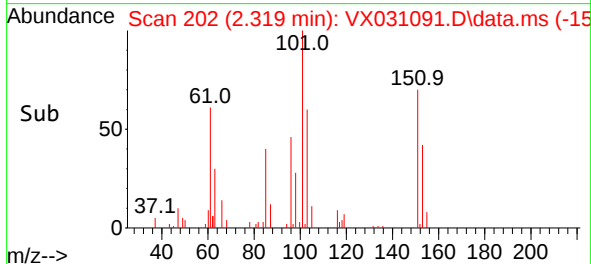
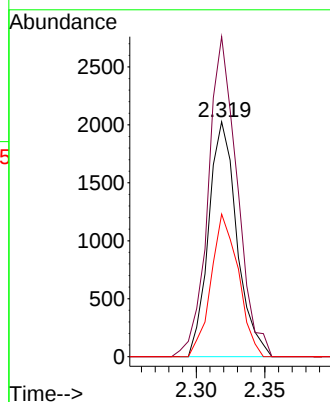
Tgt Ion: 96 Resp: 2905

Ion Ratio Lower Upper

96 100

61 136.3 117.4 176.0

98 60.7 52.2 78.4



#16

Acetone

Concen: 0.353 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX031091.D

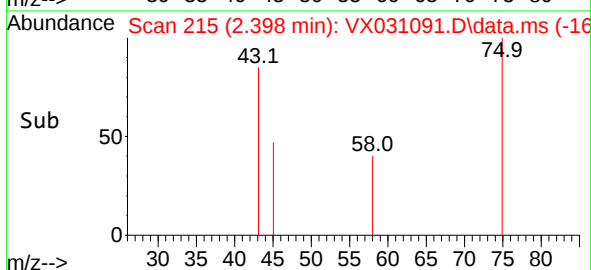
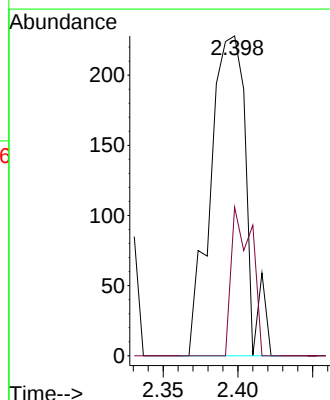
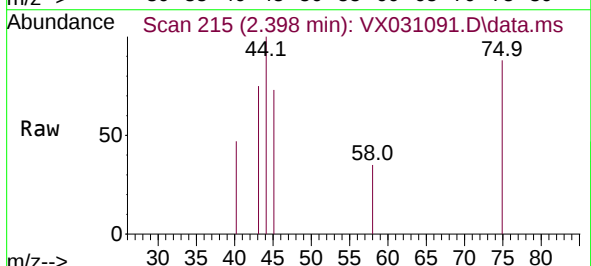
Acq: 03 Sep 2022 18:37

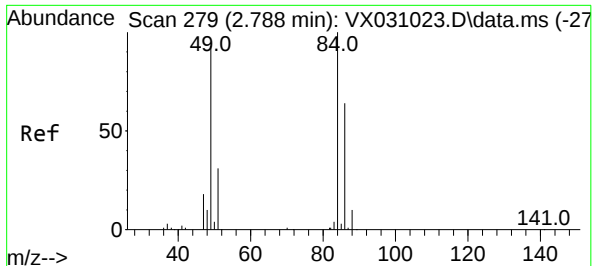
Tgt Ion: 43 Resp: 381

Ion Ratio Lower Upper

43 100

58 46.5 27.7 41.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX031091.D

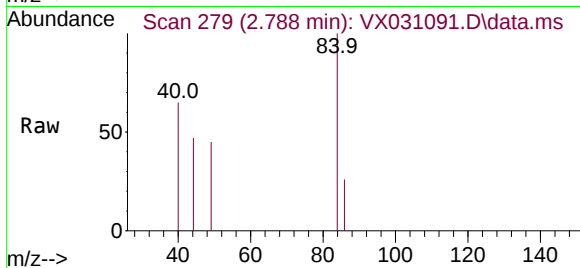
Acq: 03 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220823



Tgt Ion: 84 Resp: 299

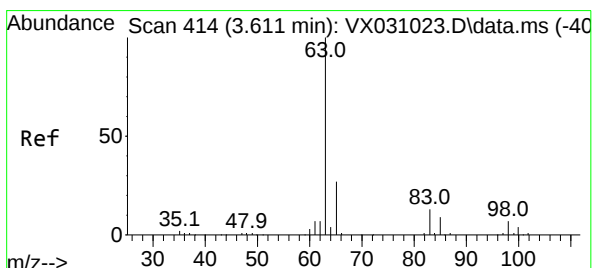
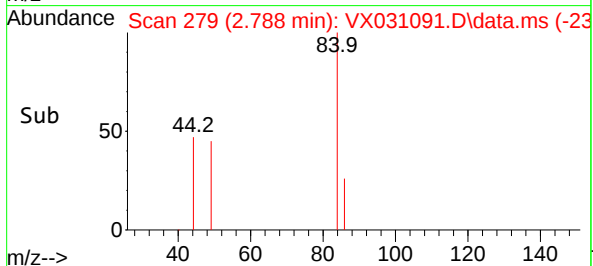
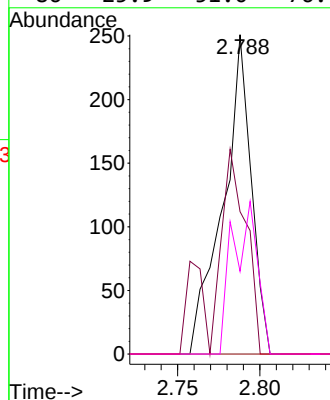
Ion Ratio Lower Upper

84 100

49 44.6 93.8 140.6#

51 0.0 29.4 44.0#

86 25.9 51.0 76.4#



#24

1,1-Dichloroethane

Concen: 0.334 ug/l

RT: 3.617 min Scan# 415

Delta R.T. 0.006 min

Lab File: VX031091.D

Acq: 03 Sep 2022 18:37

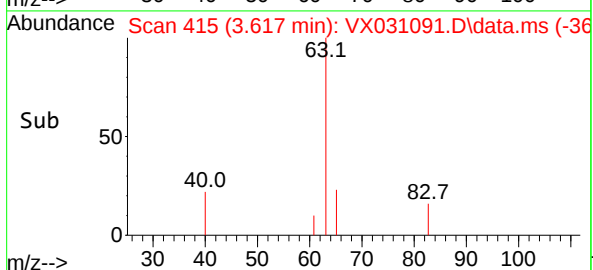
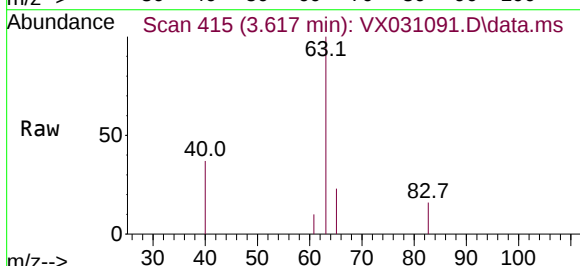
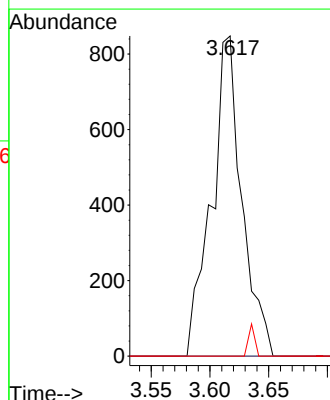
Tgt Ion: 63 Resp: 1519

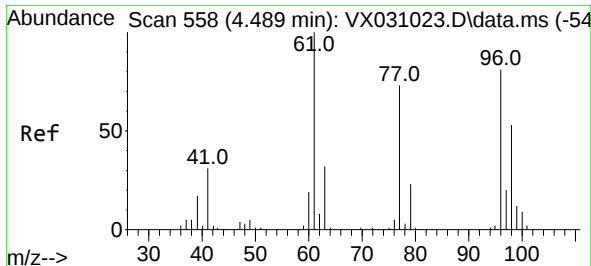
Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.5#

100 0.0 2.3 6.9#





#27

cis-1,2-Dichloroethene

Concen: 1.242 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX031091.D

Acq: 03 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220823

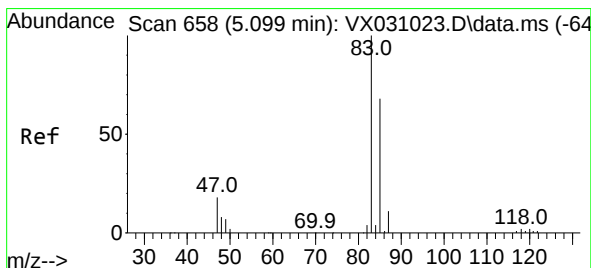
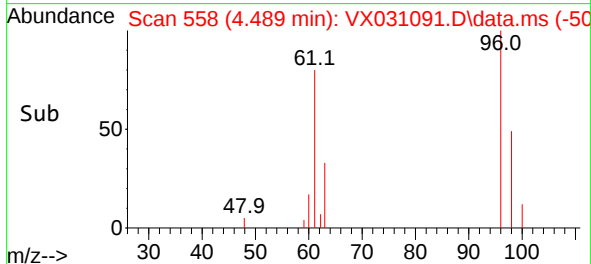
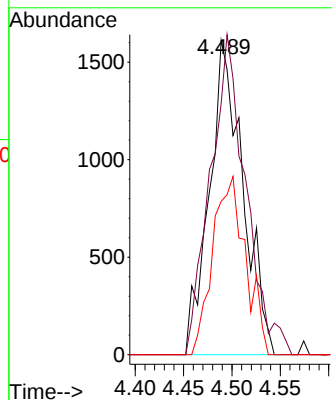
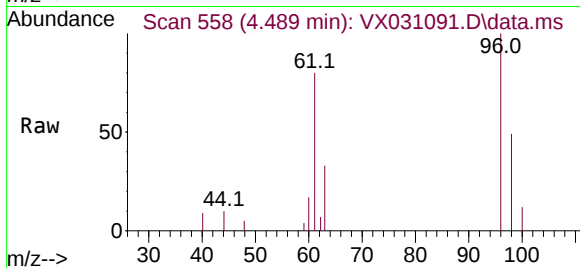
Tgt Ion: 96 Resp: 3906

Ion Ratio Lower Upper

96 100

61 107.2 0.0 270.0

98 55.2 0.0 127.8



#30

Chloroform

Concen: 0.366 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.012 min

Lab File: VX031091.D

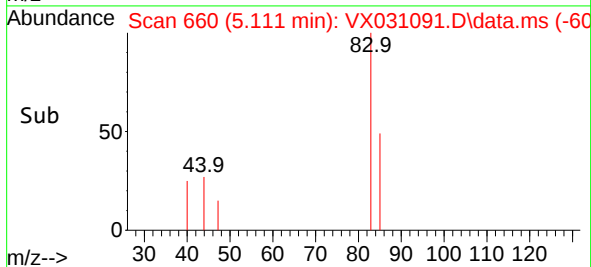
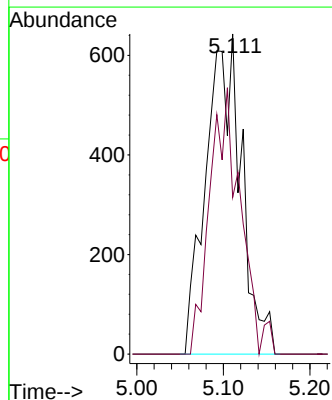
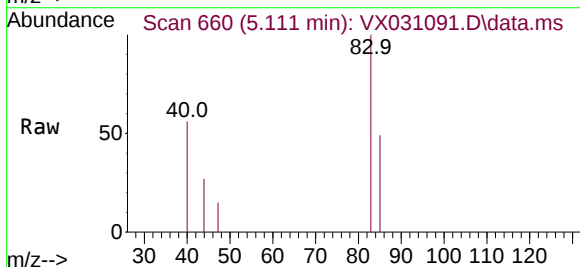
Acq: 03 Sep 2022 18:37

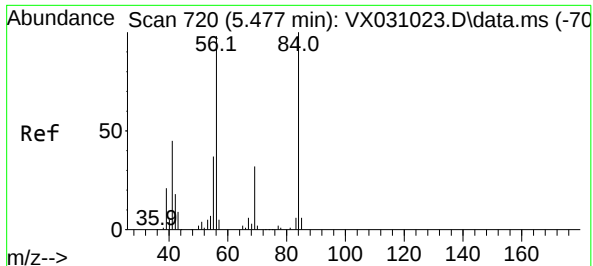
Tgt Ion: 83 Resp: 1825

Ion Ratio Lower Upper

83 100

85 49.0 51.5 77.3#

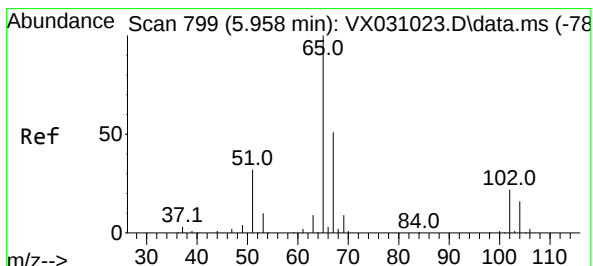
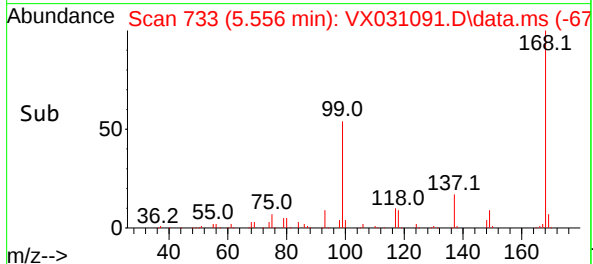
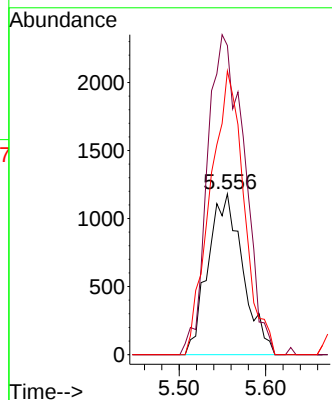
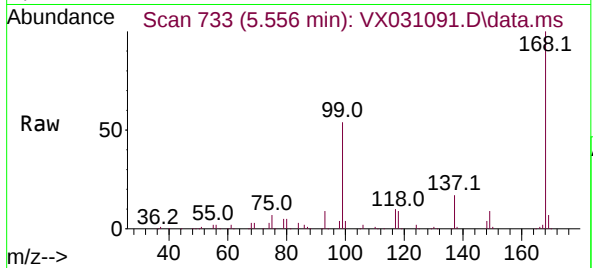




#31
Cyclohexane
Concen: 0.866 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

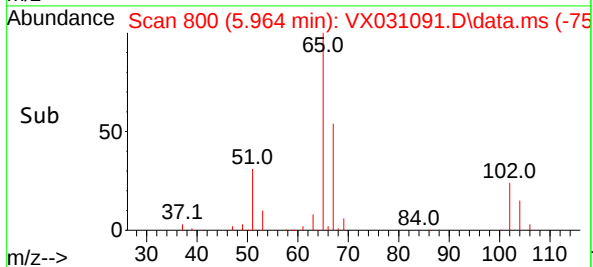
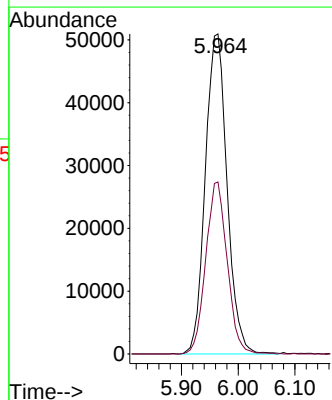
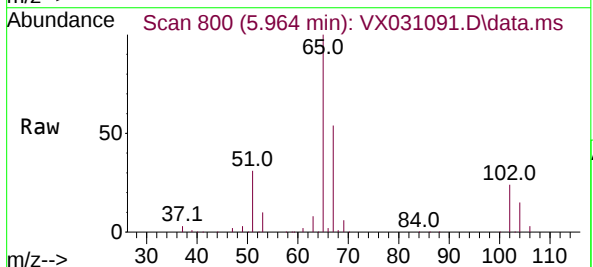
Instrument :
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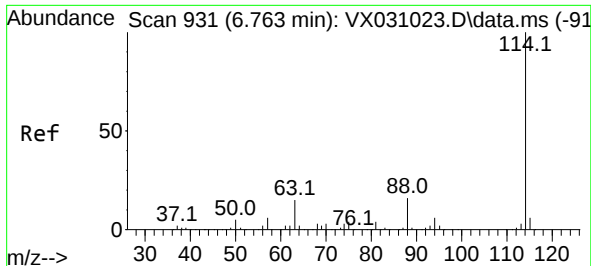
Tgt Ion: 56 Resp: 3304
Ion Ratio Lower Upper
56 100
69 192.3 25.4 38.0#
84 176.5 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 48.632 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion: 65 Resp: 135871
Ion Ratio Lower Upper
65 100
67 52.9 0.0 109.6

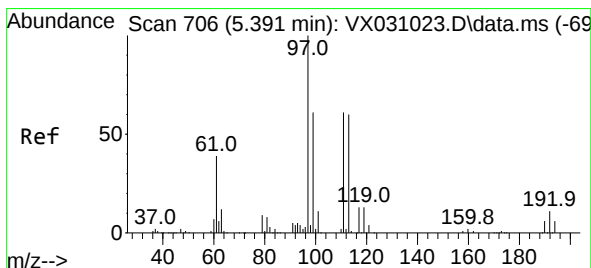
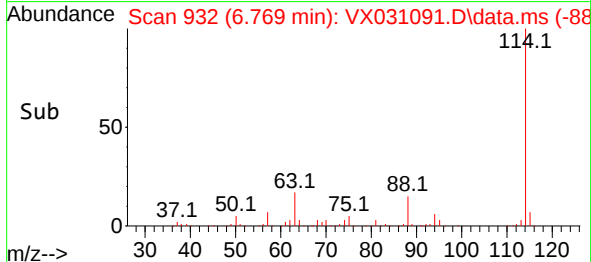
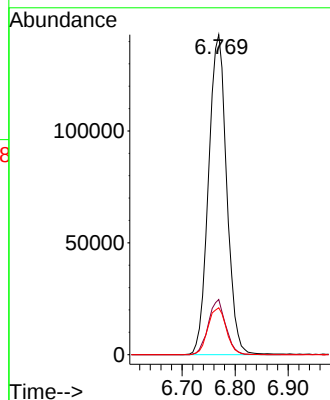
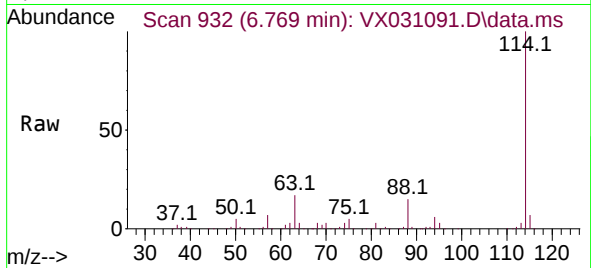




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

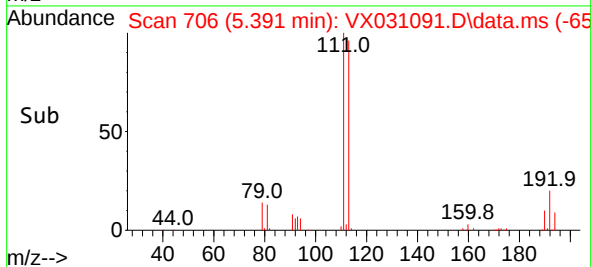
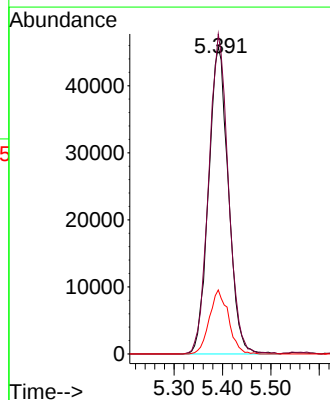
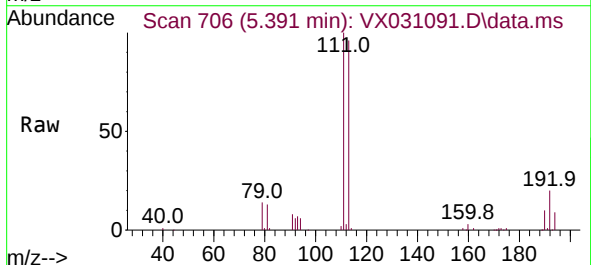
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

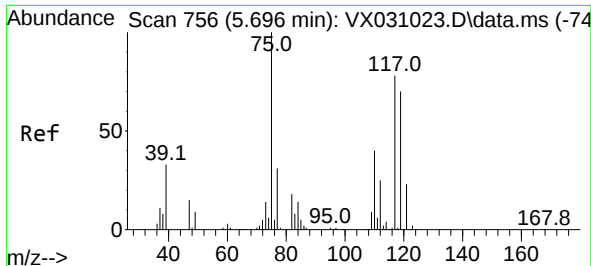
Tgt Ion:114 Resp: 340472
Ion Ratio Lower Upper
114 100
63 17.3 0.0 38.4
88 14.7 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.413 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion:113 Resp: 130227
Ion Ratio Lower Upper
113 100
111 103.6 83.2 124.8
192 20.2 14.8 22.2

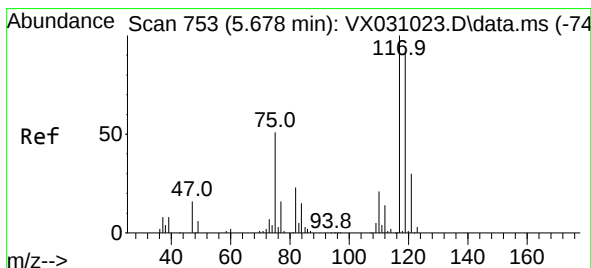
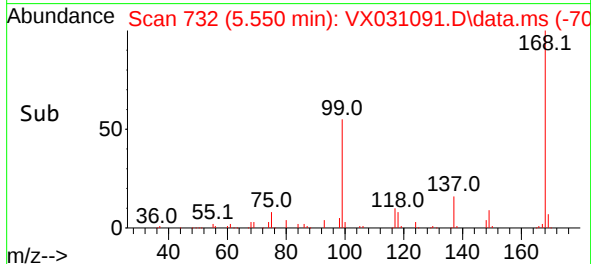
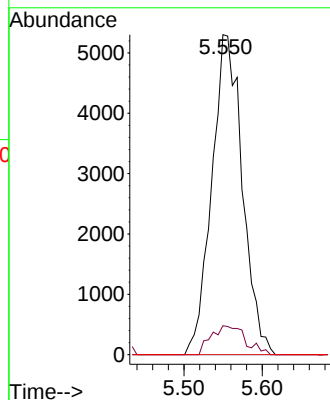
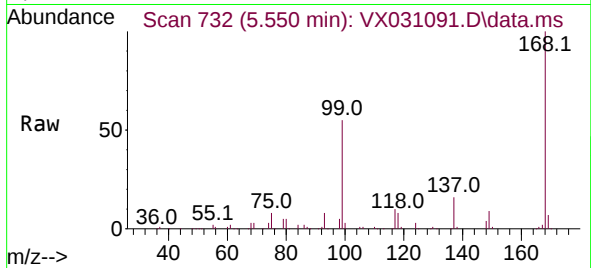




#36
1,1-Dichloropropene
Concen: 4.129 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

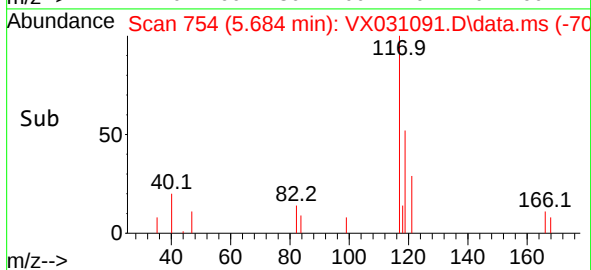
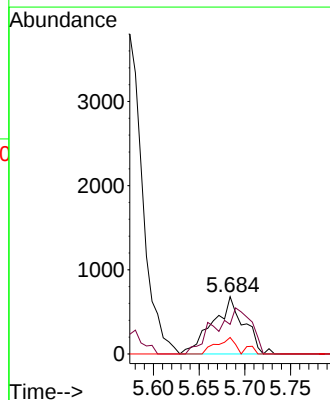
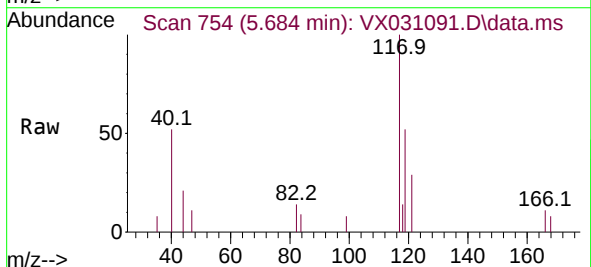
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

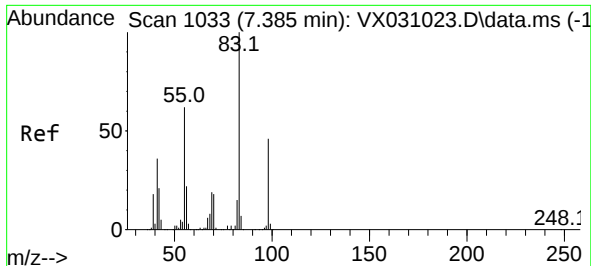
Tgt Ion: 75 Resp: 14370
Ion Ratio Lower Upper
75 100
110 10.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 0.450 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion: 117 Resp: 1624
Ion Ratio Lower Upper
117 100
119 51.6 74.1 111.1#
121 28.8 25.8 38.8

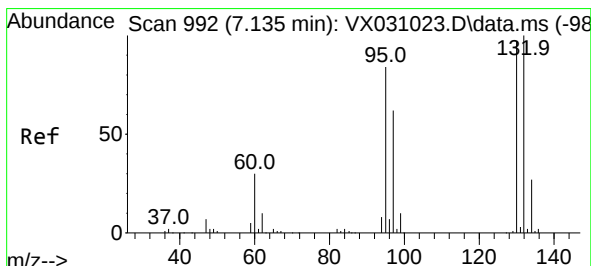
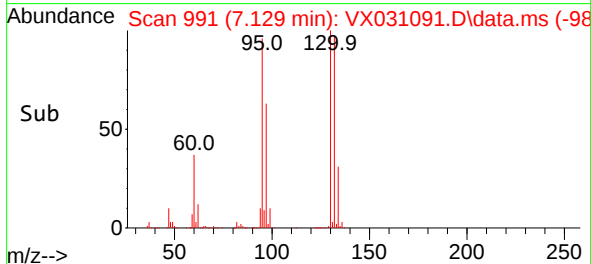
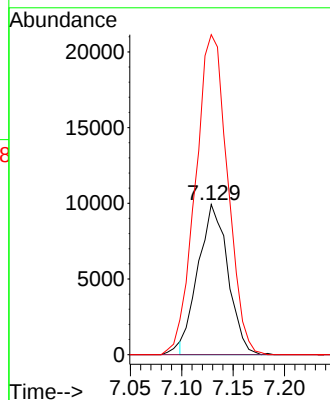
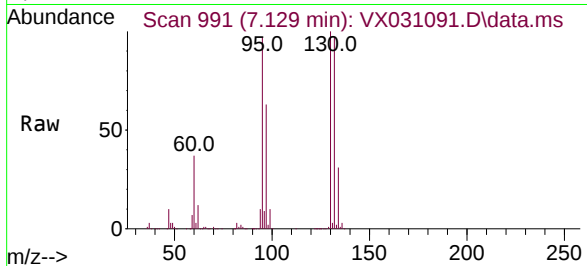




#39
Methylcyclohexane
Concen: 4.634 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.256 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

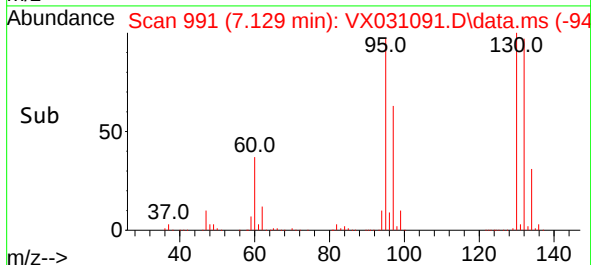
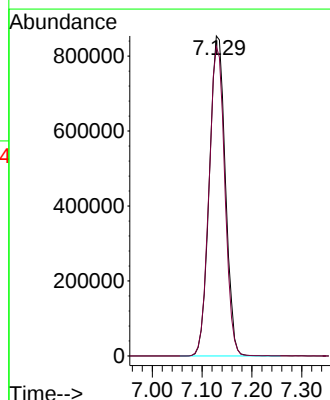
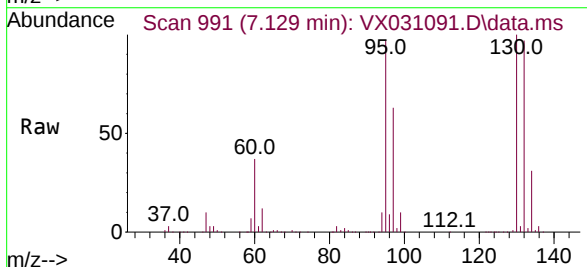
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

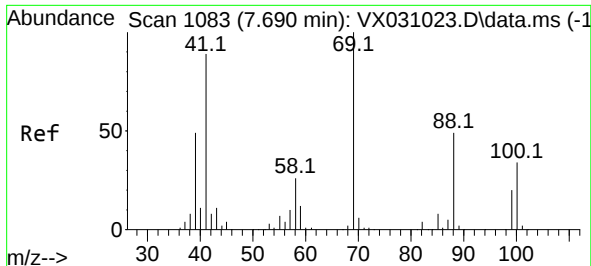
Tgt Ion: 83 Resp: 19988
Ion Ratio Lower Upper
83 100
55 0.0 57.7 86.5#
98 213.0 36.5 54.7#



#44
Trichloroethene
Concen: 602.859 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion:130 Resp: 1906623
Ion Ratio Lower Upper
130 100
95 96.7 0.0 194.8





#49

1,4-Dioxane

Concen: 8.034 ug/l

RT: 7.696 min Scan# 1083

Delta R.T. 0.019 min

Lab File: VX031091.D

Acq: 03 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

RW4-20220823

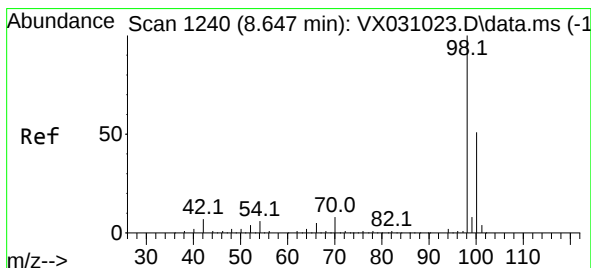
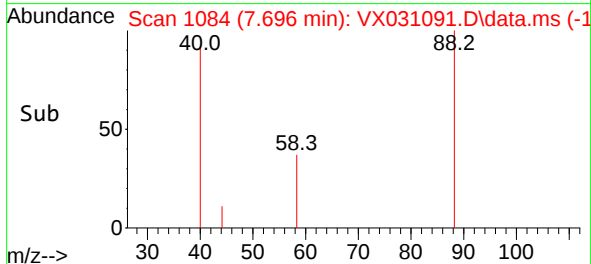
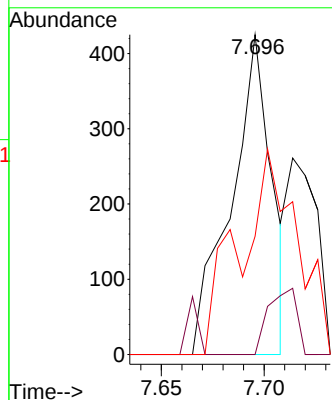
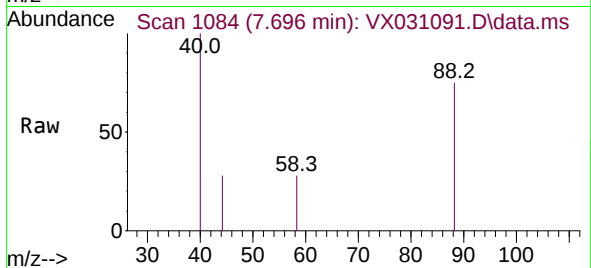
Tgt Ion: 88 Resp: 583

Ion Ratio Lower Upper

88 100

43 14.4 23.8 35.8#

58 90.7 53.8 80.6#



#50

Toluene-d8

Concen: 50.884 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX031091.D

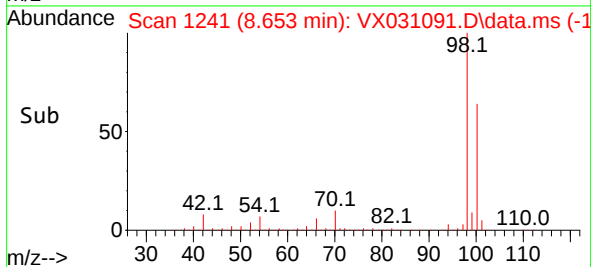
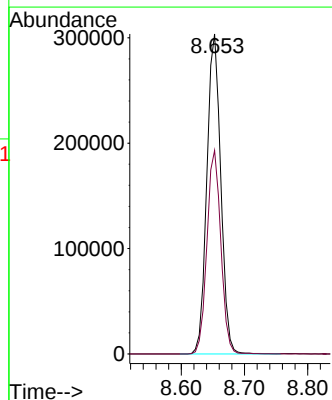
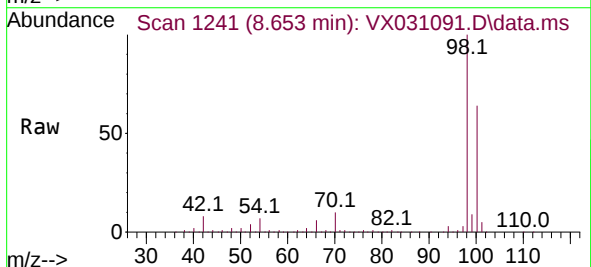
Acq: 03 Sep 2022 18:37

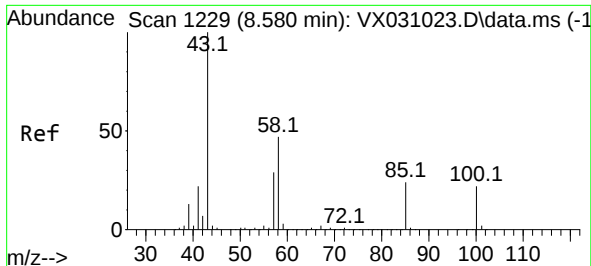
Tgt Ion: 98 Resp: 465304

Ion Ratio Lower Upper

98 100

100 63.4 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.434 ug/l

RT: 8.647 min Scan# 1

Delta R.T. 0.067 min

Lab File: VX031091.D

Acq: 03 Sep 2022 18:37

Instrument :

MSVOA_X

ClientSampleId :

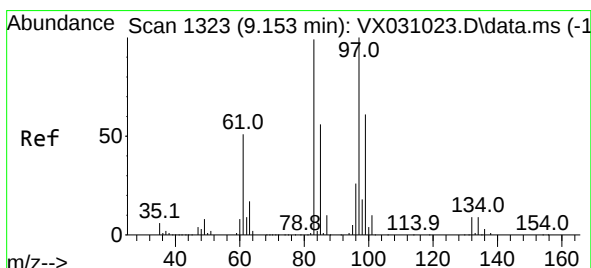
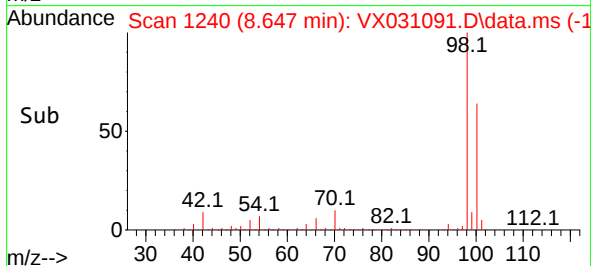
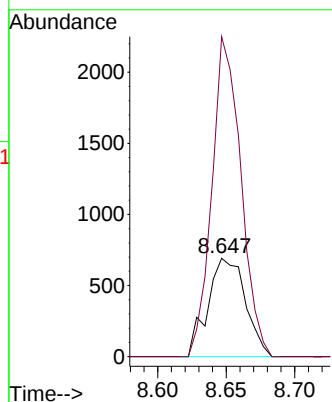
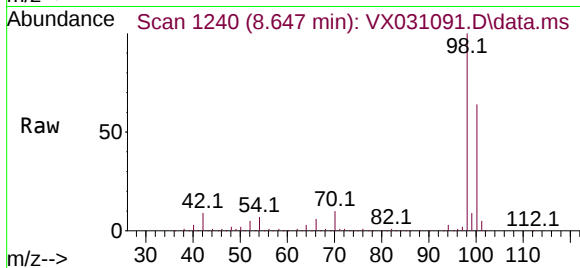
RW4-20220823

Tgt Ion: 43 Resp: 1319

Ion Ratio Lower Upper

43 100

58 251.3 31.4 47.2#



#55

1,1,2-Trichloroethane

Concen: 0.334 ug/l

RT: 9.159 min Scan# 1324

Delta R.T. 0.006 min

Lab File: VX031091.D

Acq: 03 Sep 2022 18:37

Tgt Ion: 97 Resp: 919

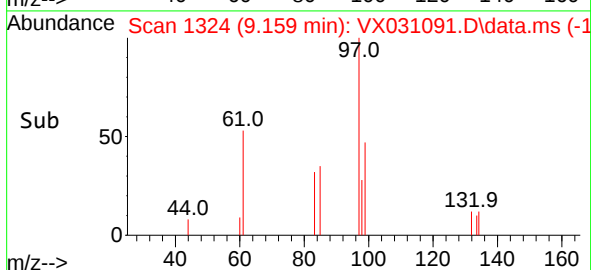
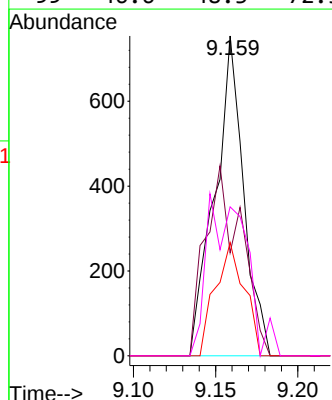
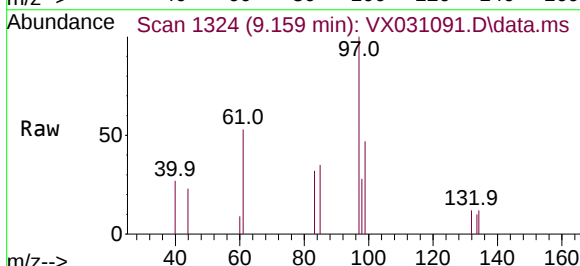
Ion Ratio Lower Upper

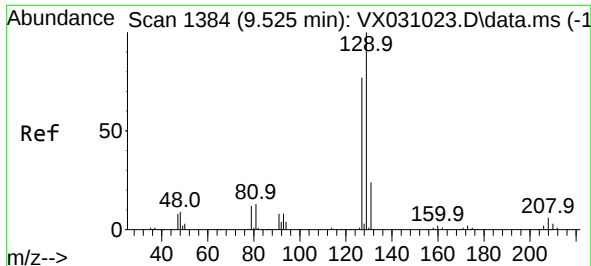
97 100

83 32.2 68.9 103.3#

85 35.4 44.0 66.0#

99 46.6 48.3 72.5#

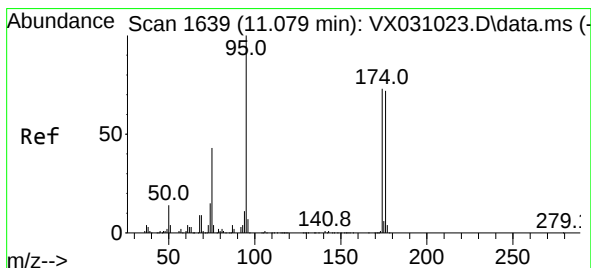
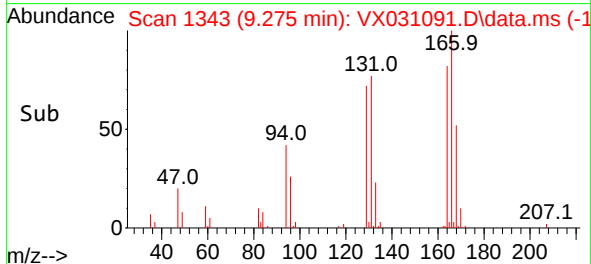
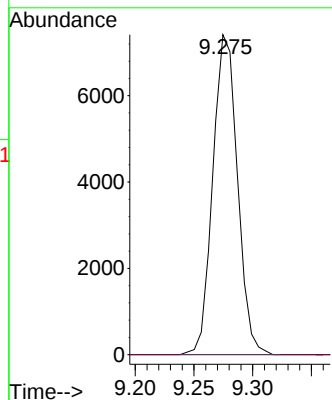
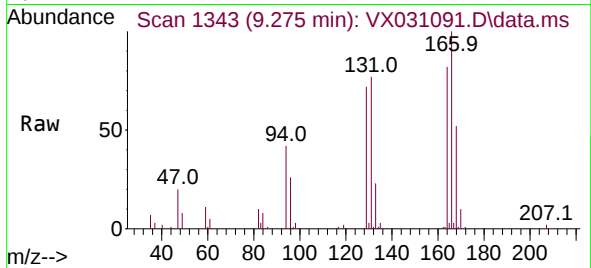




#60
Dibromochloromethane
Concen: 3.789 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

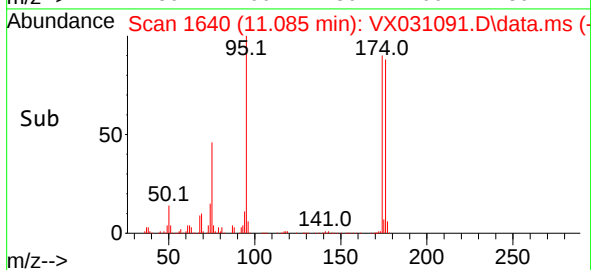
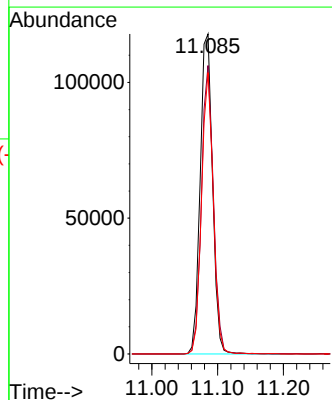
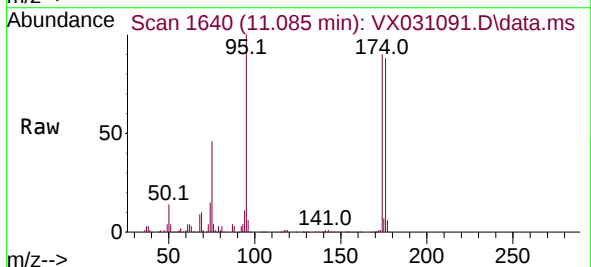
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

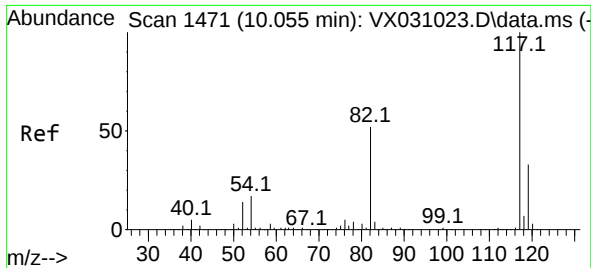
Tgt Ion:129 Resp: 10837
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.629 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion: 95 Resp: 153830
Ion Ratio Lower Upper
95 100
174 87.2 0.0 149.0
176 84.0 0.0 146.0

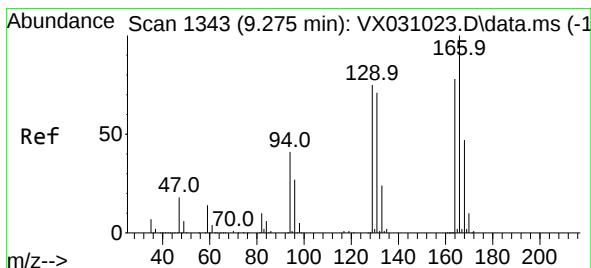
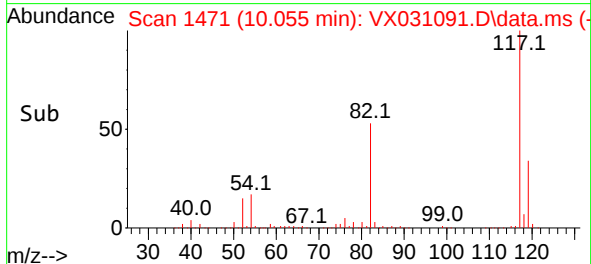
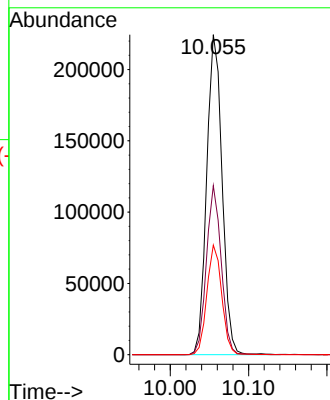
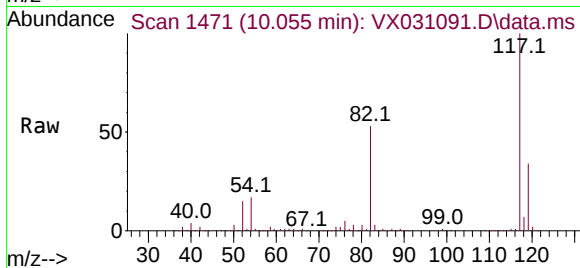




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

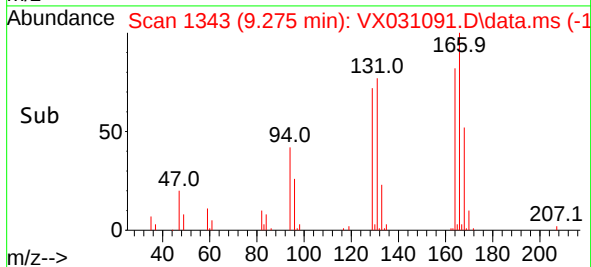
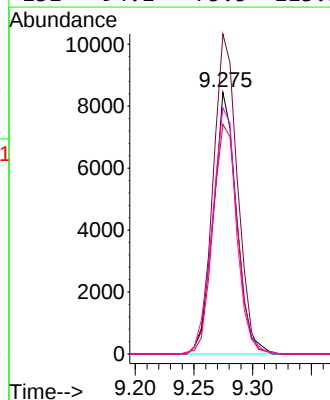
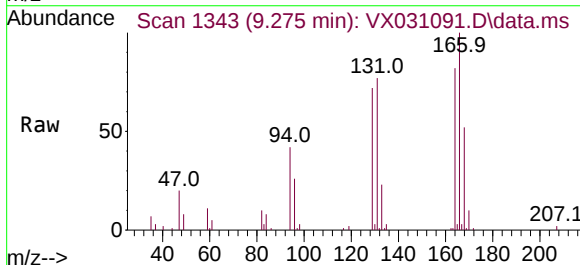
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

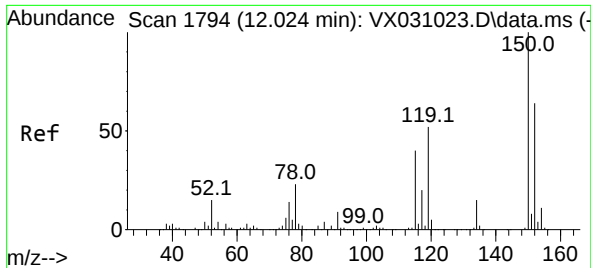
Tgt Ion:117 Resp: 305265
Ion Ratio Lower Upper
117 100
82 52.8 42.7 64.1
119 34.3 25.4 38.2



#64
Tetrachloroethene
Concen: 3.826 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

Tgt Ion:164 Resp: 11661
Ion Ratio Lower Upper
164 100
166 122.3 98.2 147.4
129 87.8 80.8 121.2
131 94.1 75.5 113.3

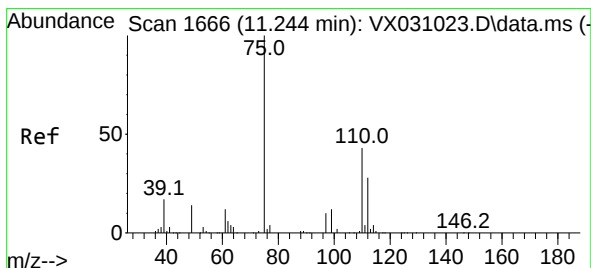
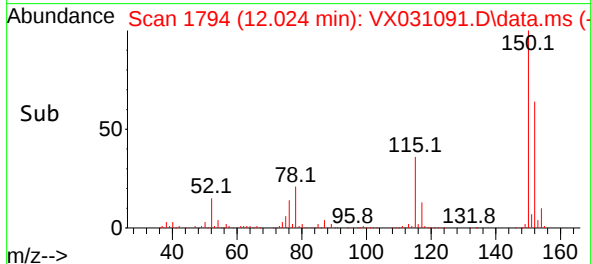
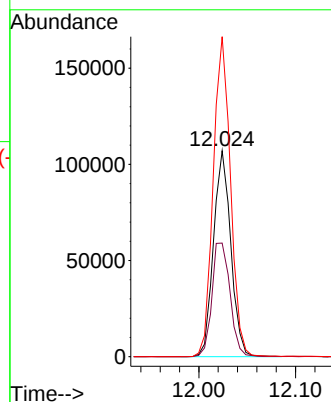
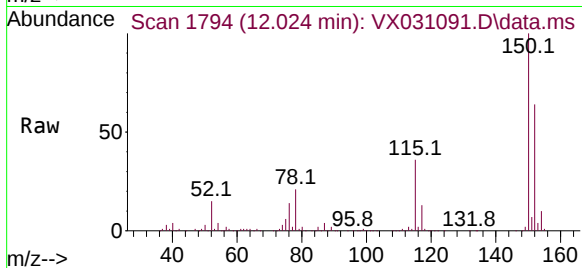




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

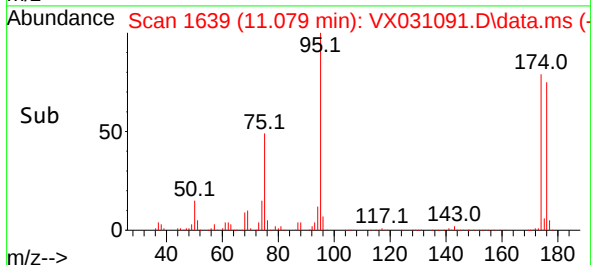
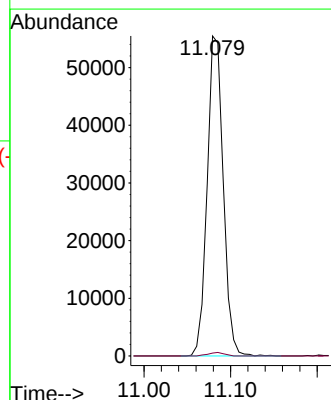
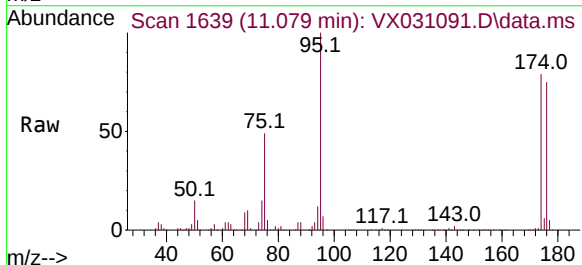
Instrument :
MSVOA_X
ClientSampleId :
RW4-20220823

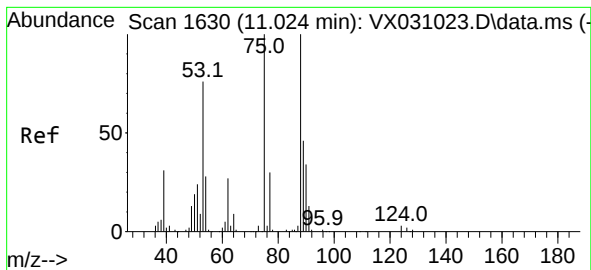
Tgt Ion:152 Resp: 133064
Ion Ratio Lower Upper
152 100
115 57.8 40.5 121.5
150 155.0 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 22.757 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX031091.D
Acq: 03 Sep 2022 18:37

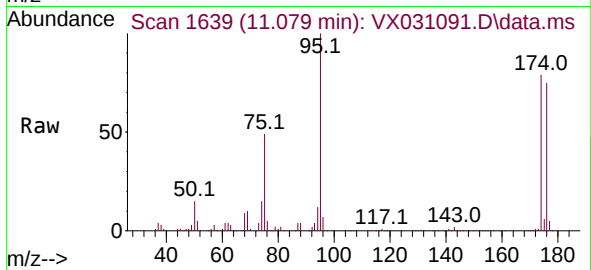
Tgt Ion: 75 Resp: 71584
Ion Ratio Lower Upper
75 100
77 1.1 19.8 59.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.521 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.055 min
 Lab File: VX031091.D
 Acq: 03 Sep 2022 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20220823



Tgt Ion: 75 Resp: 71584
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.2 111.4#
 89 0.0 34.8 52.2#

