

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112222\
 Data File : VX033001.D
 Acq On : 23 Nov 2022 00:08
 Operator : JC/MD
 Sample : N5730-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20221117

Quant Time: Nov 23 05:52:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

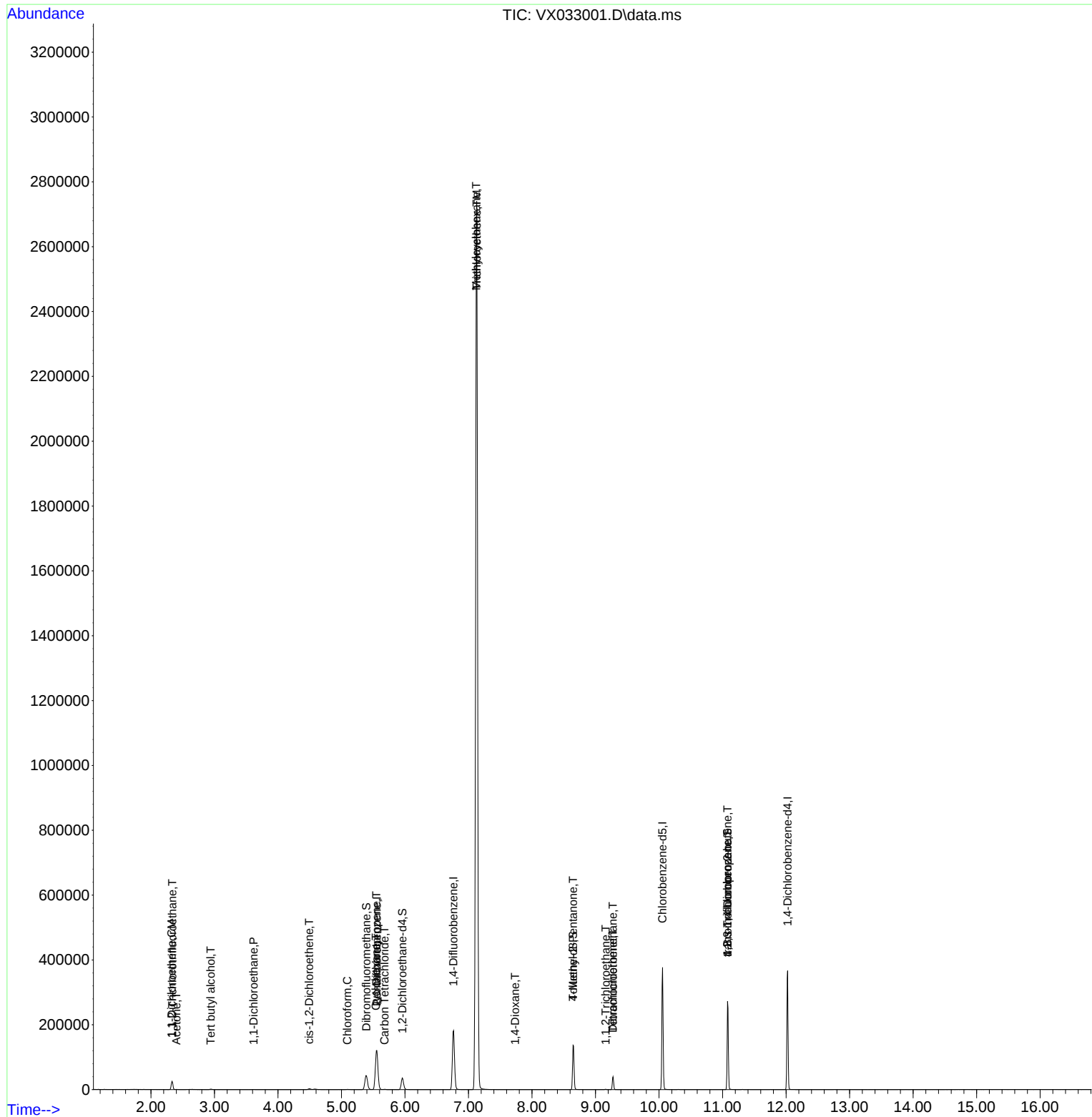
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	116636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	164848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	36136	30.483	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	60.960%#
35) Dibromofluoromethane	5.391	113	38516	36.513	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	73.020%#
50) Toluene-d8	8.647	98	83122	25.116	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	50.240%#
62) 4-Bromofluorobenzene	11.079	95	68158	49.188	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.380%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	8507	7.786	ug/l	98
11) Tert butyl alcohol	2.940	59	1071	5.948	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	1585	1.557	ug/l	88
16) Acetone	2.398	43	703	1.325	ug/l	96
20) Methylene Chloride	2.788	84	24	Below Cal	#	67
24) 1,1-Dichloroethane	3.617	63	754	0.368	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	2109	1.594	ug/l	83
30) Chloroform	5.092	83	1031	0.450	ug/l	95
31) Cyclohexane	5.544	56	2427	1.319	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	9129	5.412	ug/l #	50
38) Carbon Tetrachloride	5.678	117	726	0.388	ug/l #	73
39) Methylcyclohexane	7.123	83	12276	6.379	ug/l #	1
44) Trichloroethene	7.129	130	1039410	783.274	ug/l	97
49) 1,4-Dioxane	7.732	88	95	4.120	ug/l #	26
51) 4-Methyl-2-Pentanone	8.647	43	358	0.238	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	418	0.330	ug/l #	70
60) Dibromochloromethane	9.275	129	6745	4.946	ug/l #	11
64) Tetrachloroethene	9.275	164	6727	5.765	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	37647	26.685	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37647	86.737	ug/l #	6

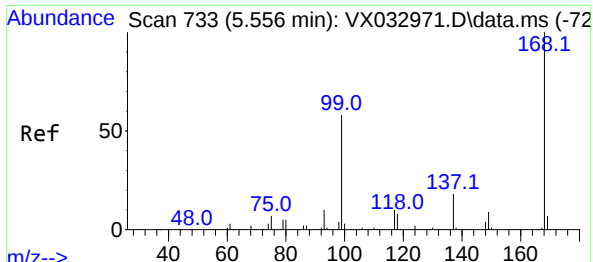
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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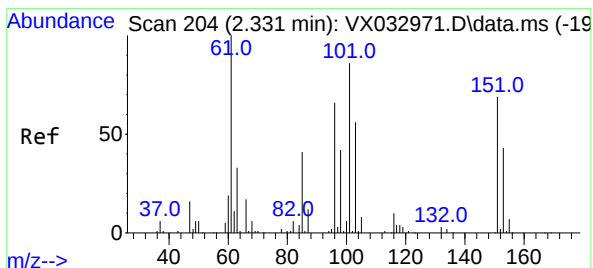
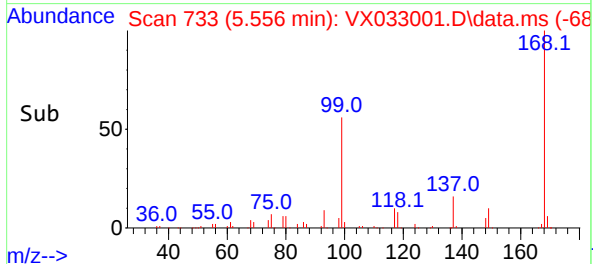
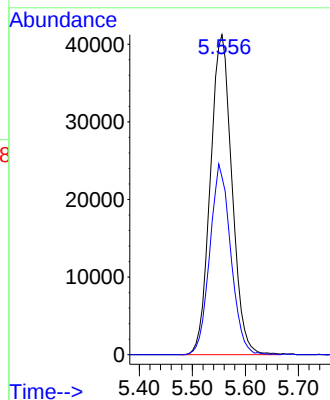
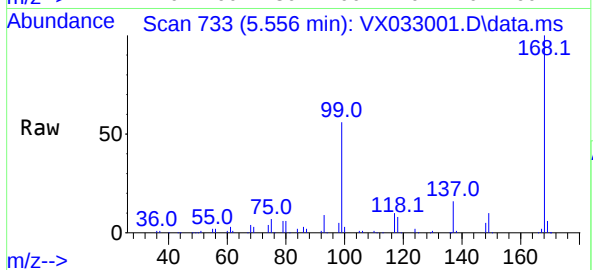




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

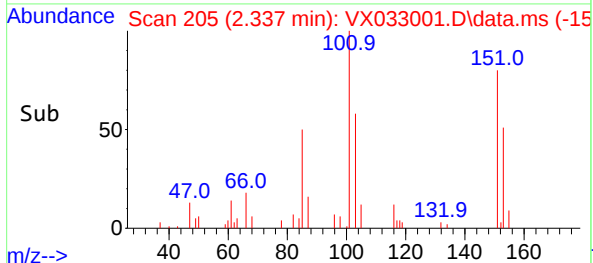
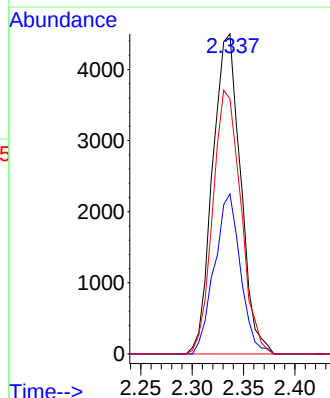
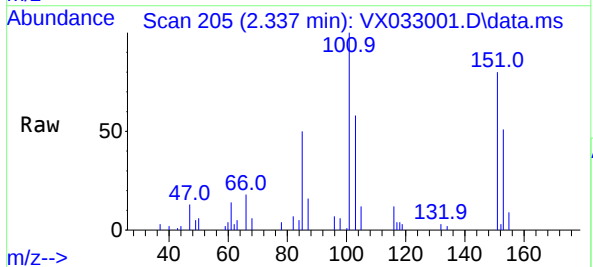
Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

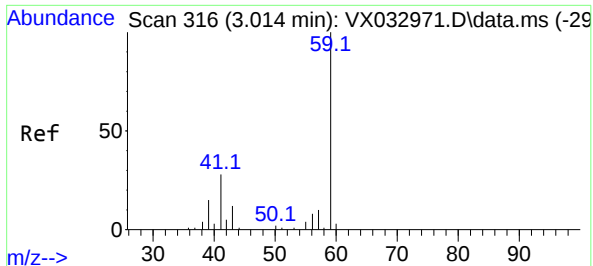
Tgt Ion:168 Resp: 116636
Ion Ratio Lower Upper
168 100
99 55.5 46.1 69.1



#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.786 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.006 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion:101 Resp: 8507
Ion Ratio Lower Upper
101 100
85 46.7 37.0 55.4
151 82.6 64.4 96.6





#11

Tert butyl alcohol

Concen: 5.948 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.025 min

Lab File: VX033001.D

Acq: 23 Nov 2022 00:08

Instrument :

MSVOA_X

ClientSampleId :

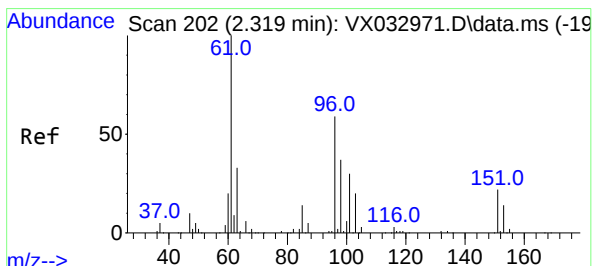
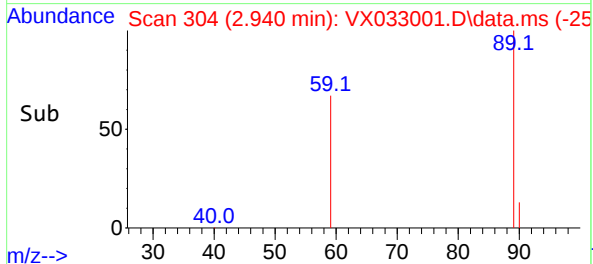
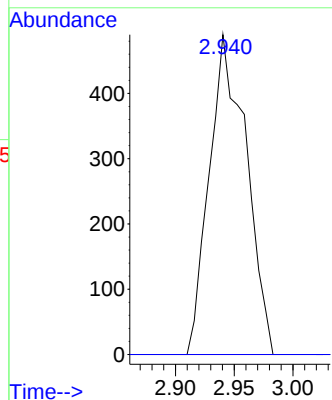
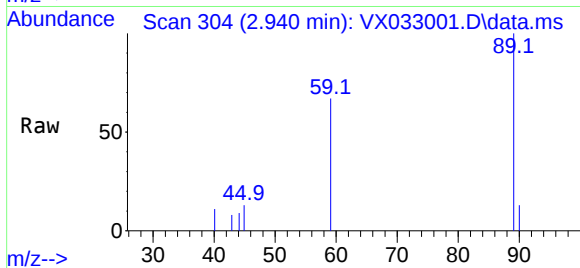
RW4-20221117

Tgt Ion: 59 Resp: 1071

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#12

1,1-Dichloroethene

Concen: 1.557 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX033001.D

Acq: 23 Nov 2022 00:08

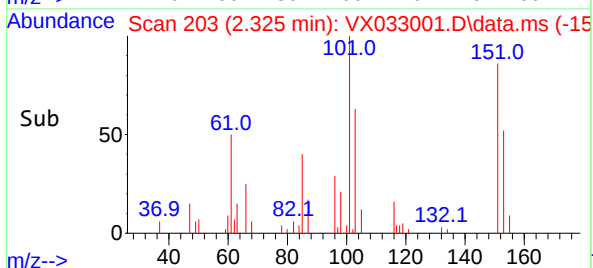
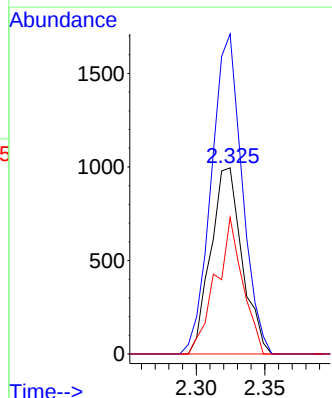
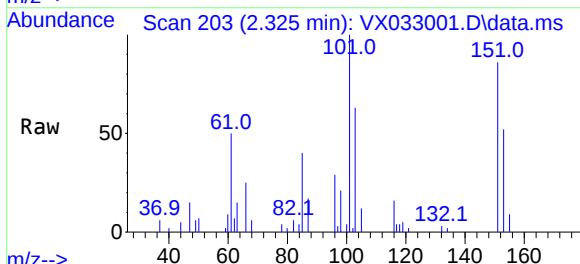
Tgt Ion: 96 Resp: 1585

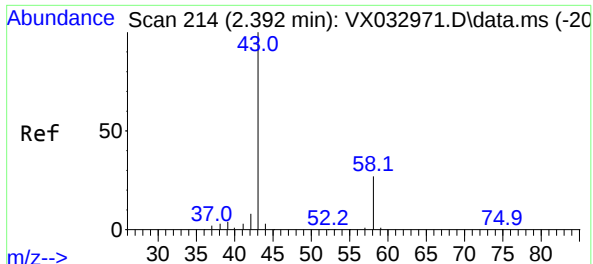
Ion Ratio Lower Upper

96 100

61 172.0 125.1 187.7

98 73.4 50.6 76.0

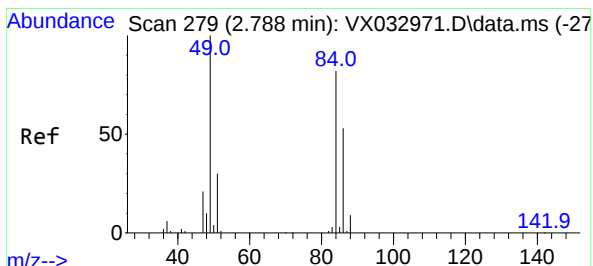
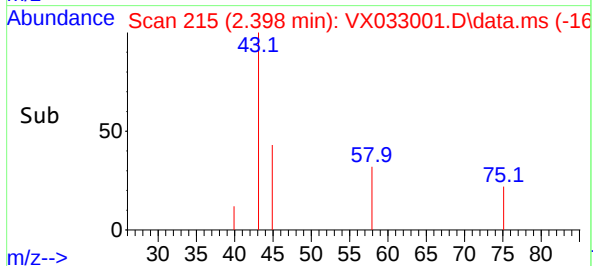
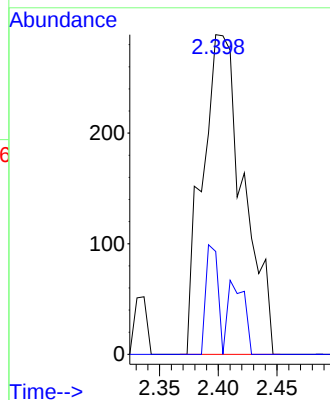
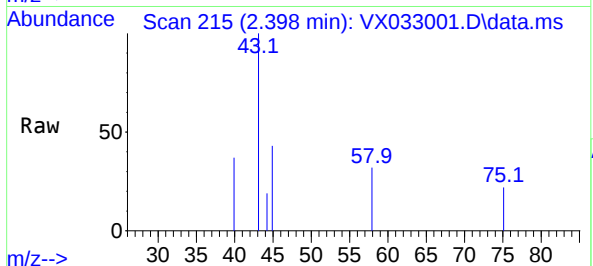




#16
Acetone
Concen: 1.325 ug/l
RT: 2.398 min Scan# 214
Delta R.T. 0.018 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

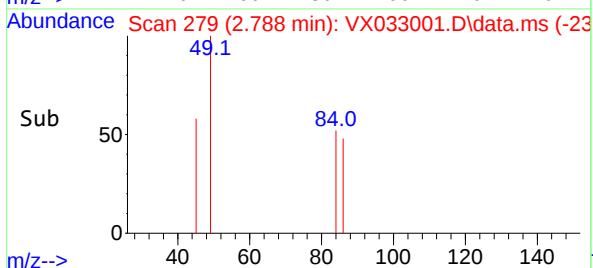
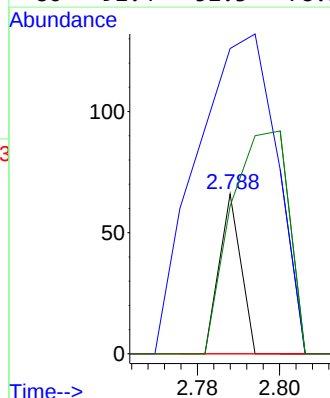
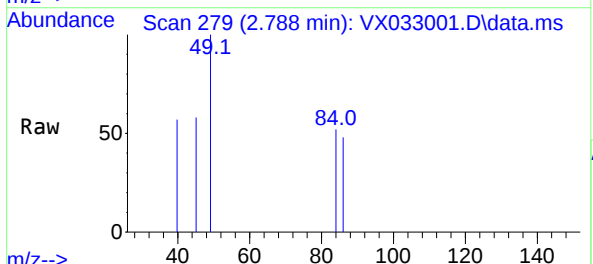
Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

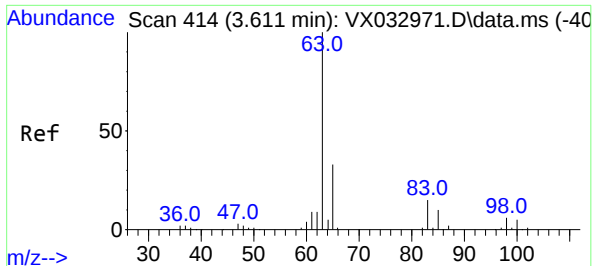
Tgt Ion: 43 Resp: 703
Ion Ratio Lower Upper
43 100
58 32.2 23.8 35.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion: 84 Resp: 24
Ion Ratio Lower Upper
84 100
49 100.0 101.0 151.6#
51 0.0 31.1 46.7#
86 92.4 52.3 78.5#

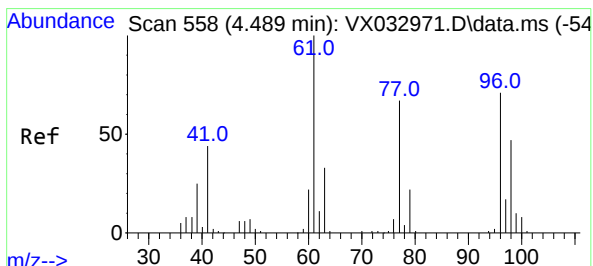
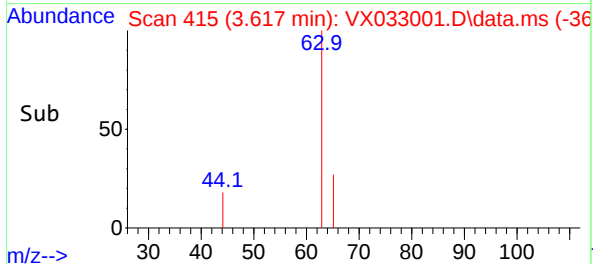
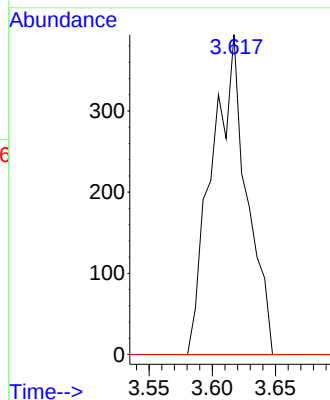
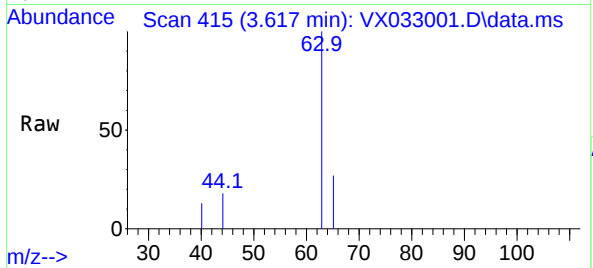




#24
1,1-Dichloroethane
Concen: 0.368 ug/l
RT: 3.617 min Scan# 41
Delta R.T. 0.006 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

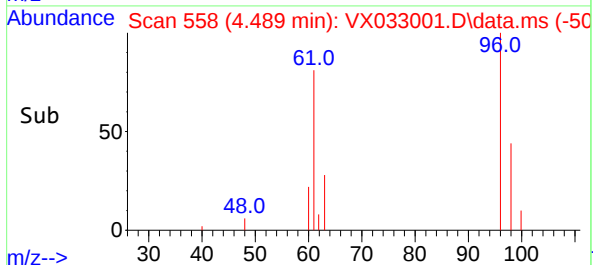
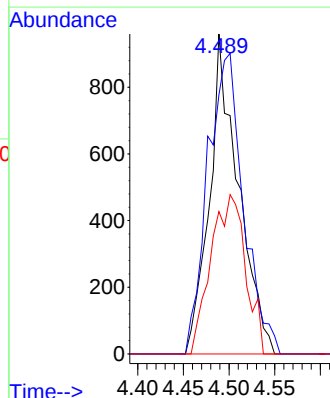
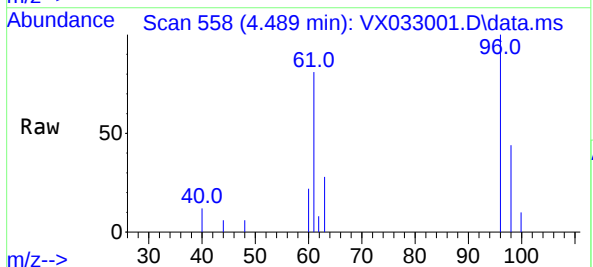
Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

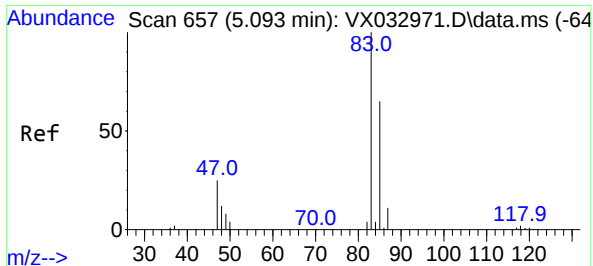
Tgt Ion: 63 Resp: 754
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#27
cis-1,2-Dichloroethene
Concen: 1.594 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion: 96 Resp: 2109
Ion Ratio Lower Upper
96 100
61 116.0 0.0 286.0
98 59.7 0.0 129.6

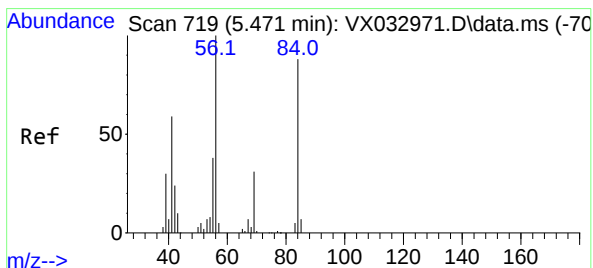
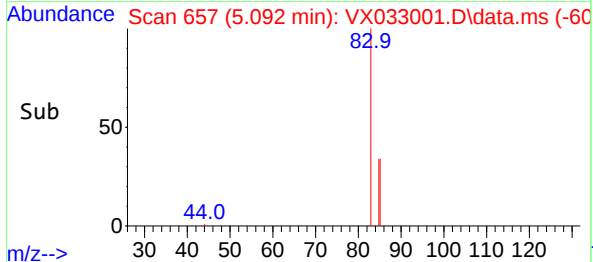
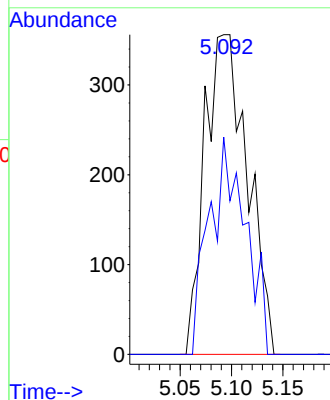
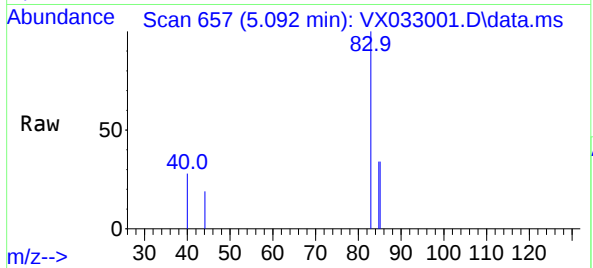




#30
Chloroform
Concen: 0.450 ug/l
RT: 5.092 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

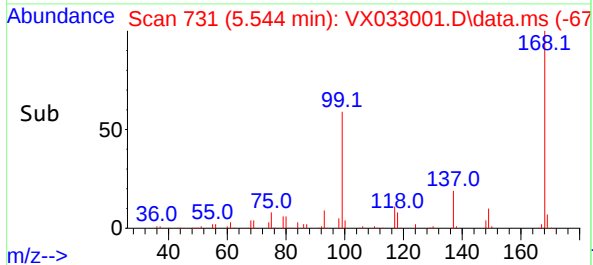
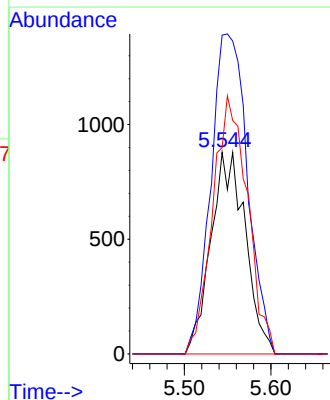
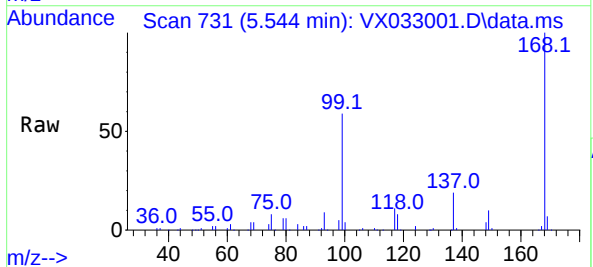
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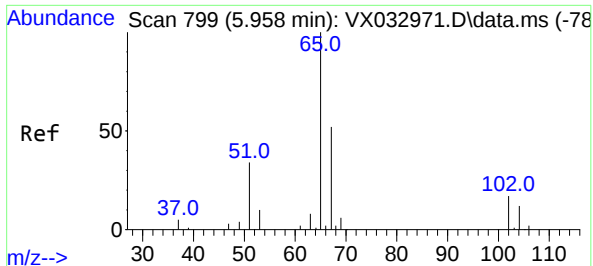
Tgt Ion: 83 Resp: 1031
Ion Ratio Lower Upper
83 100
85 68.0 51.1 76.7



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion: 56 Resp: 2427
Ion Ratio Lower Upper
56 100
69 158.1 24.1 36.1#
84 102.4 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 30.483 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033001.D

Acq: 23 Nov 2022 00:08

Instrument :

MSVOA_X

ClientSampleId :

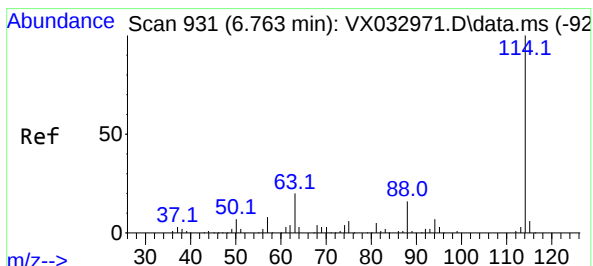
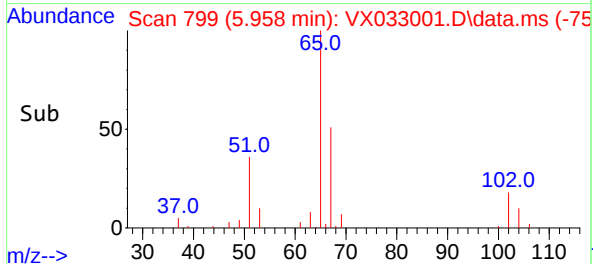
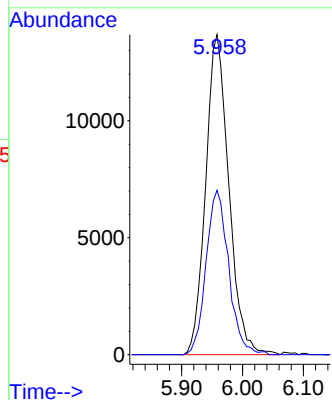
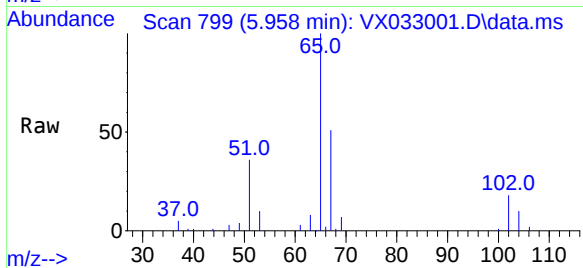
RW4-20221117

Tgt Ion: 65 Resp: 36136

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033001.D

Acq: 23 Nov 2022 00:08

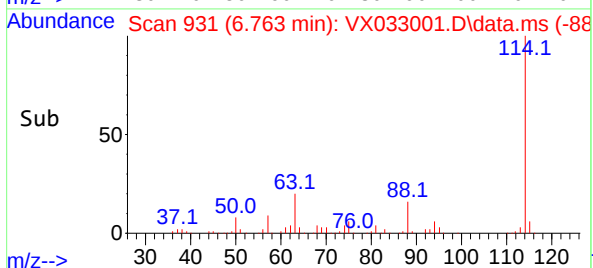
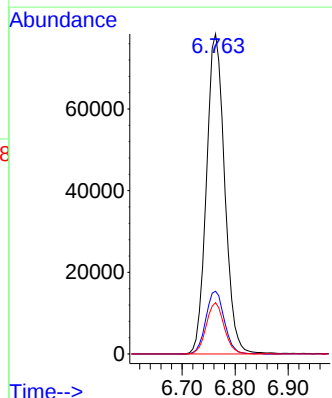
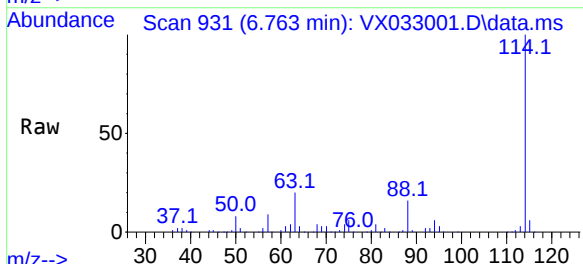
Tgt Ion: 114 Resp: 187110

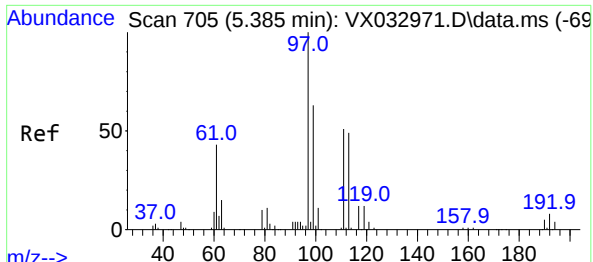
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.6

88 16.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 36.513 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX033001.D

Acq: 23 Nov 2022 00:08

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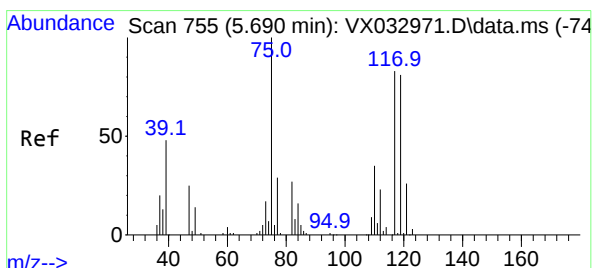
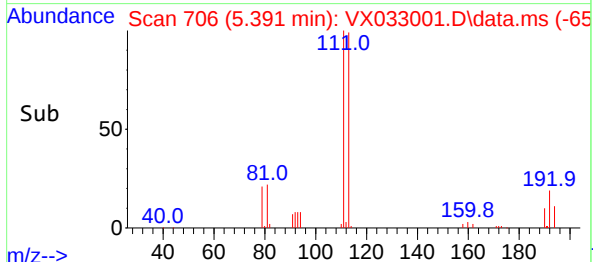
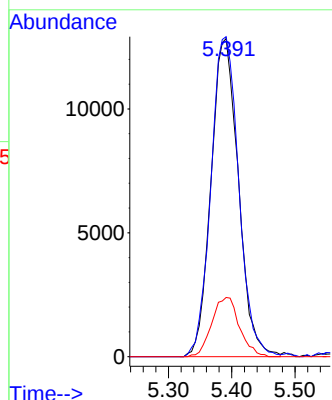
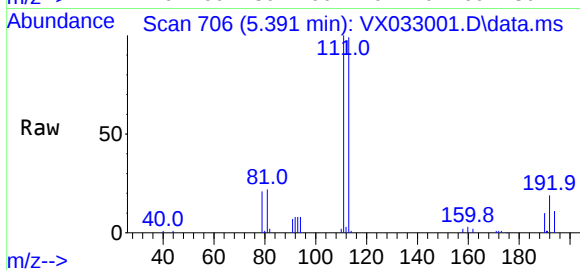
Tgt Ion:113 Resp: 38516

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 18.8 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.412 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033001.D

Acq: 23 Nov 2022 00:08

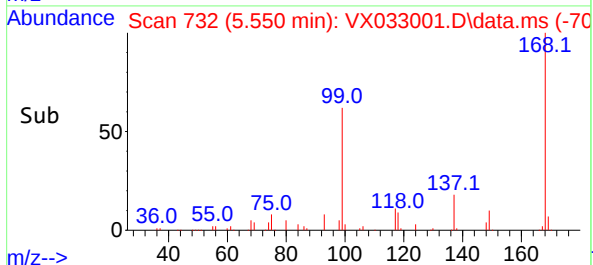
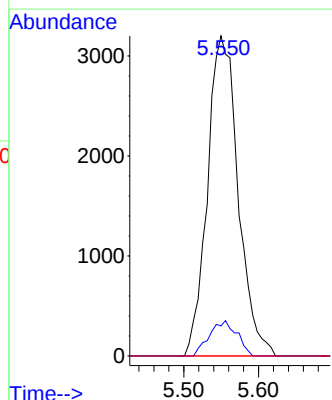
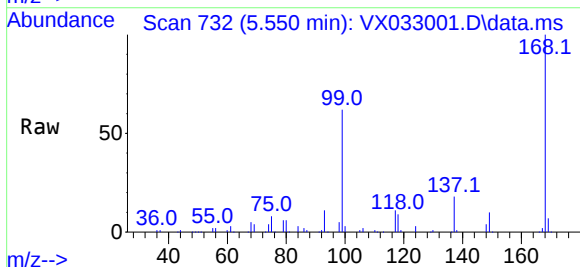
Tgt Ion: 75 Resp: 9129

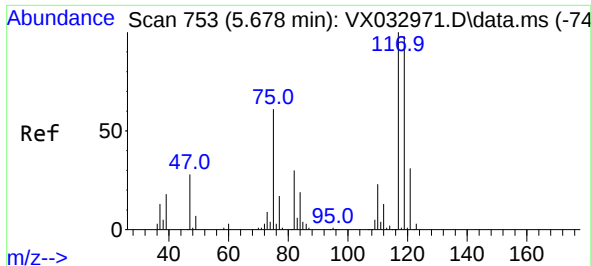
Ion Ratio Lower Upper

75 100

110 9.9 18.4 55.2#

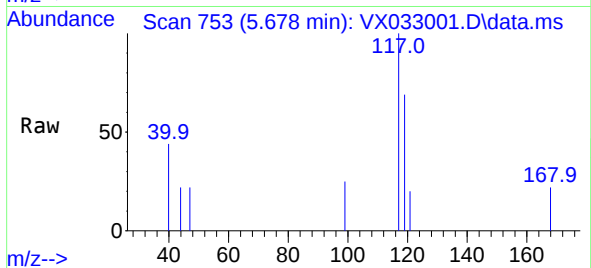
77 0.0 24.5 36.7#



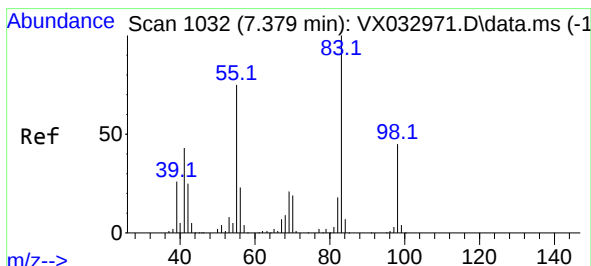
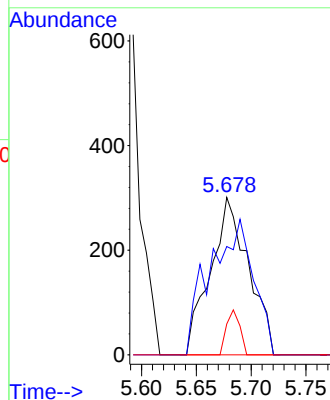
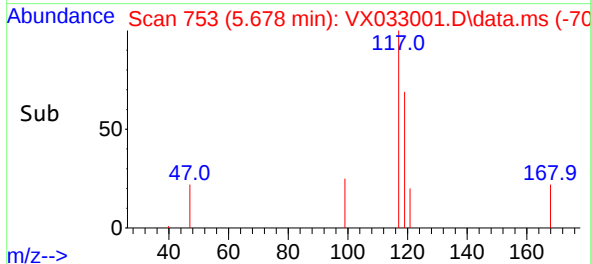


#38
Carbon Tetrachloride
Concen: 0.388 ug/l
RT: 5.678 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

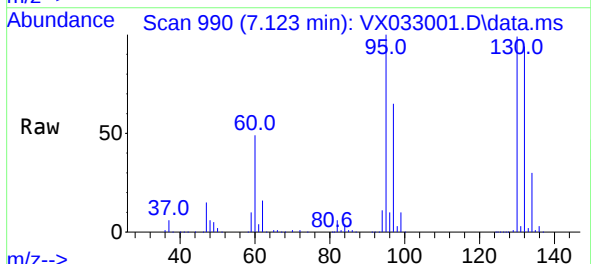
Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117



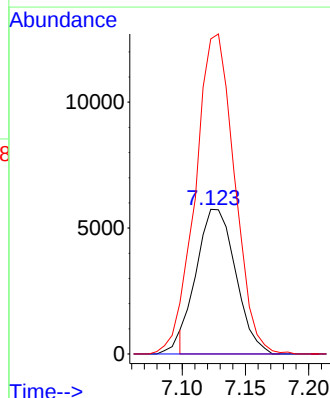
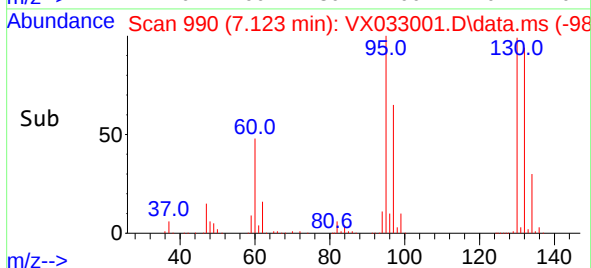
Tgt Ion:117 Resp: 726
Ion Ratio Lower Upper
117 100
119 68.8 77.2 115.8#
121 19.6 25.8 38.6#

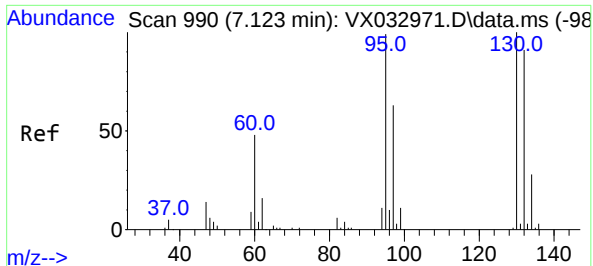


#39
Methylcyclohexane
Concen: 6.379 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.262 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08



Tgt Ion: 83 Resp: 12276
Ion Ratio Lower Upper
83 100
55 0.0 58.4 87.6#
98 216.9 37.2 55.8#

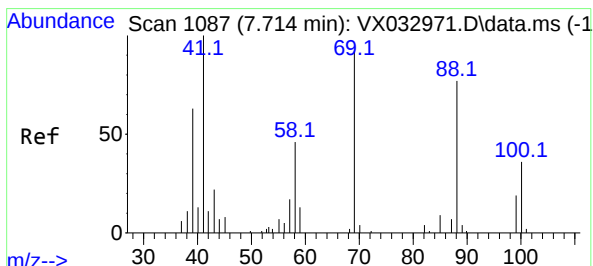
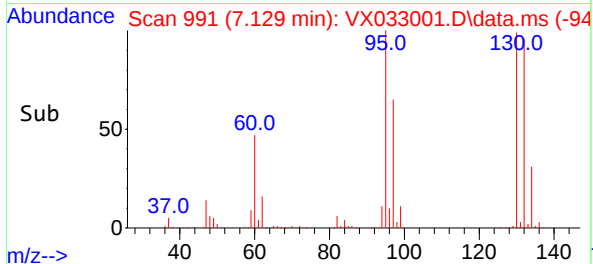
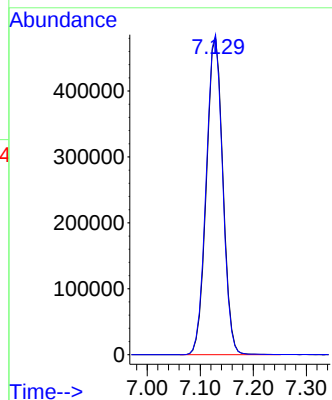
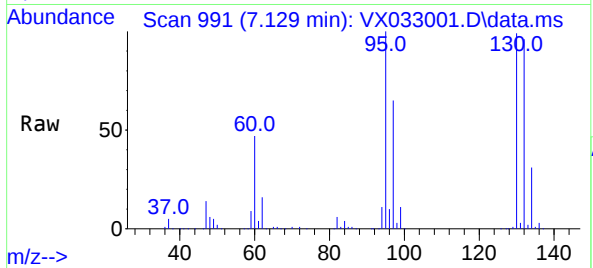




#44
Trichloroethene
Concen: 783.274 ug/l
RT: 7.129 min Scan# 99
Delta R.T. -0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

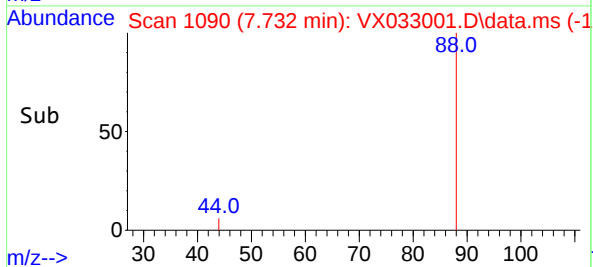
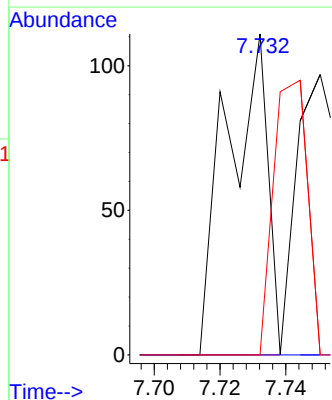
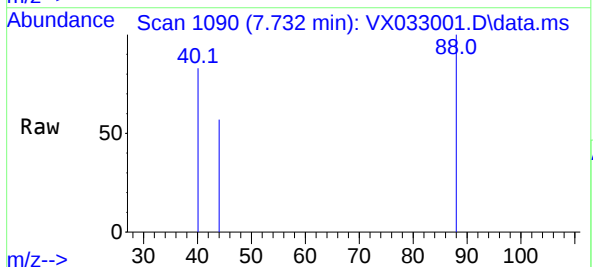
Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

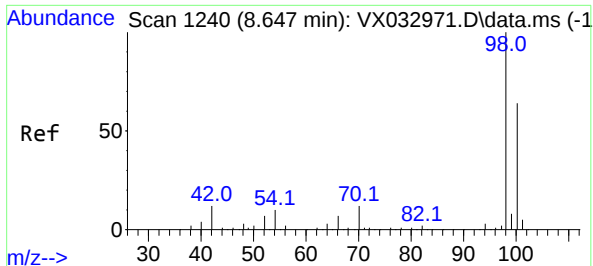
Tgt Ion:130 Resp: 1039410
Ion Ratio Lower Upper
130 100
95 100.7 0.0 195.2



#49
1,4-Dioxane
Concen: 4.120 ug/l
RT: 7.732 min Scan# 1090
Delta R.T. 0.061 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8#
58 0.0 51.7 77.5#





#50

Toluene-d8

Concen: 25.116 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033001.D

Acq: 23 Nov 2022 00:08

Instrument :

MSVOA_X

ClientSampleId :

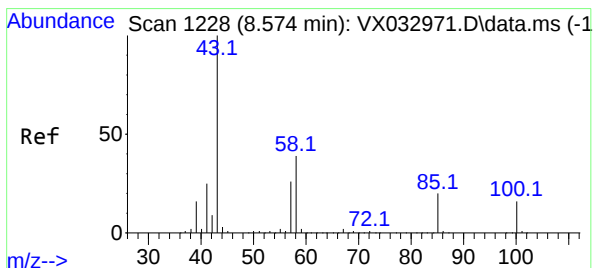
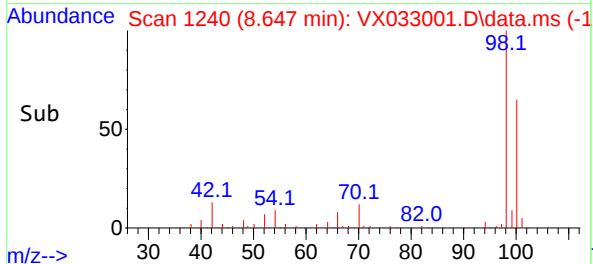
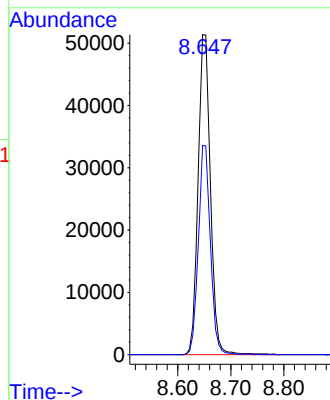
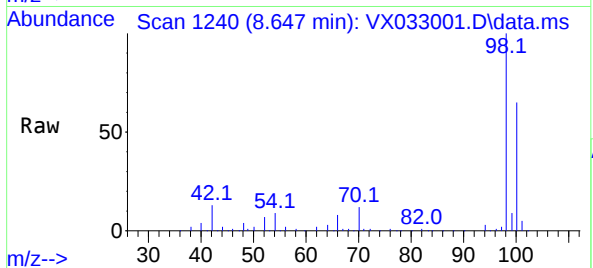
RW4-20221117

Tgt Ion: 98 Resp: 83122

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 0.238 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033001.D

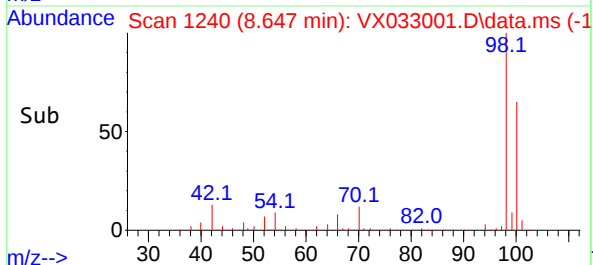
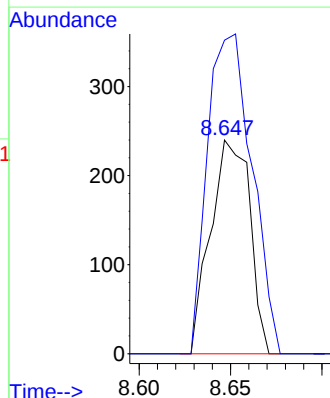
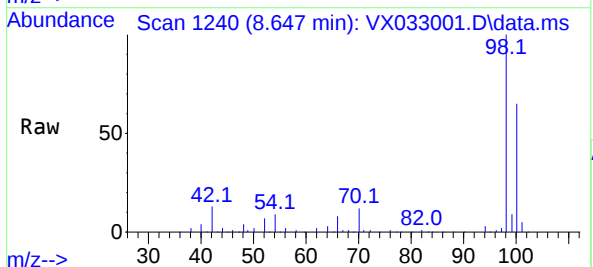
Acq: 23 Nov 2022 00:08

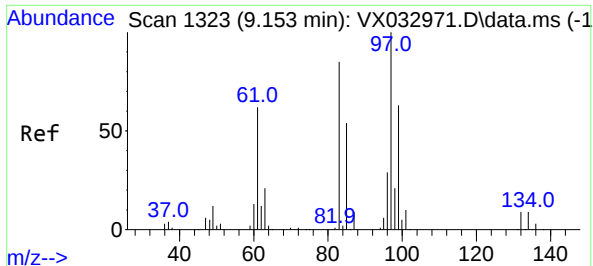
Tgt Ion: 43 Resp: 358

Ion Ratio Lower Upper

43 100

58 169.8 30.9 46.3#



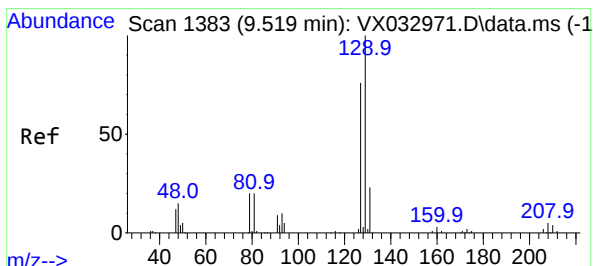
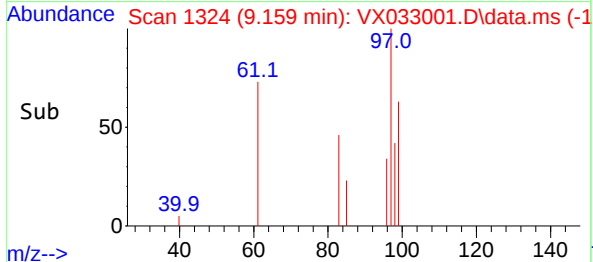
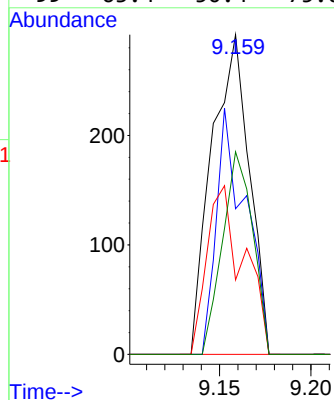
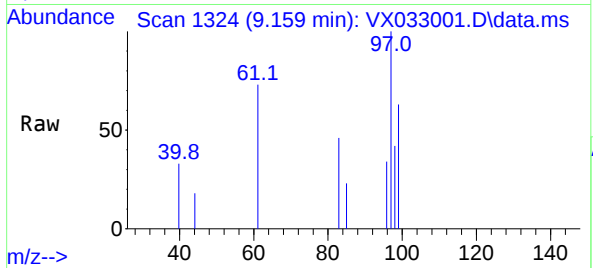


#55
1,1,2-Trichloroethane
Concen: 0.330 ug/l
RT: 9.159 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

Tgt Ion: 97 Resp: 418

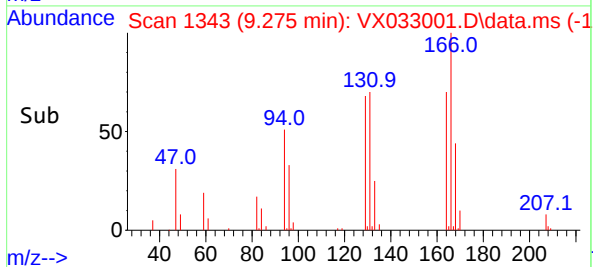
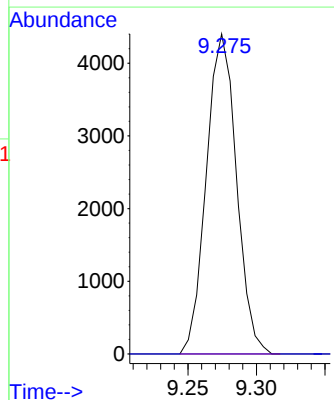
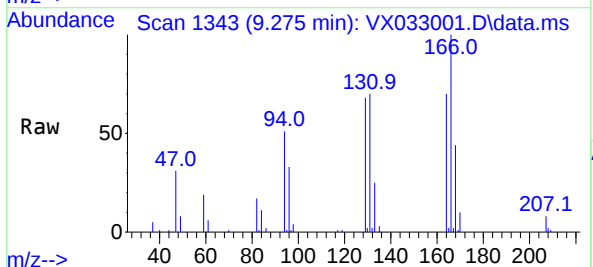
Ion	Ratio	Lower	Upper
97	100		
83	45.5	68.1	102.1#
85	23.3	43.3	64.9#
99	63.4	50.4	75.6

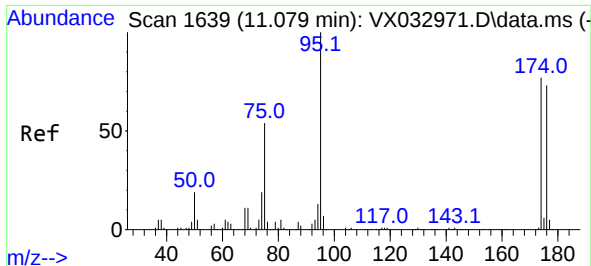


#60
Dibromochloromethane
Concen: 4.946 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion: 129 Resp: 6745

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	115.8#

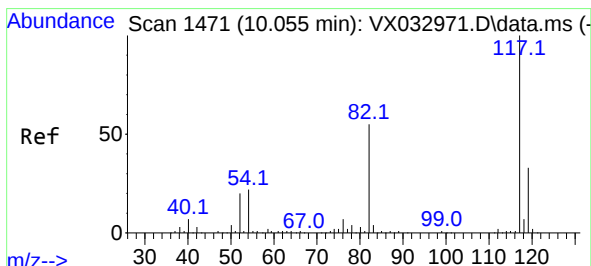
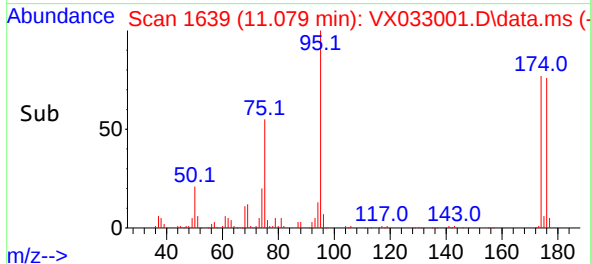
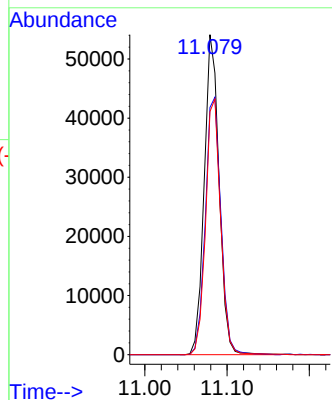
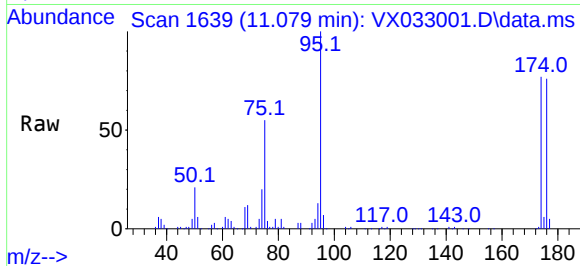




#62
4-Bromofluorobenzene
Concen: 49.188 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

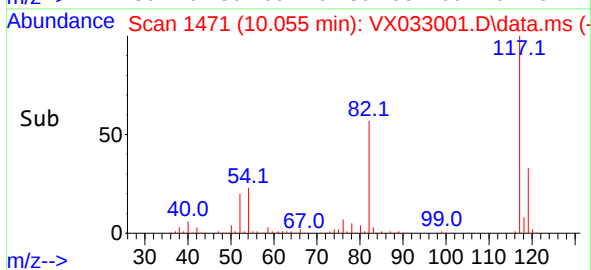
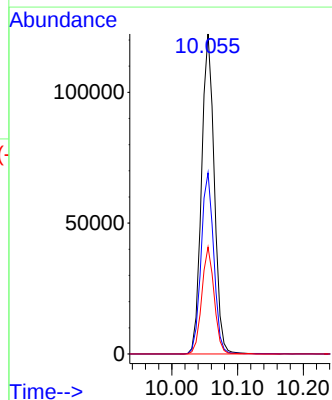
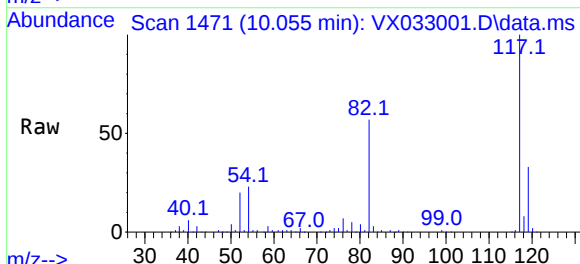
Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

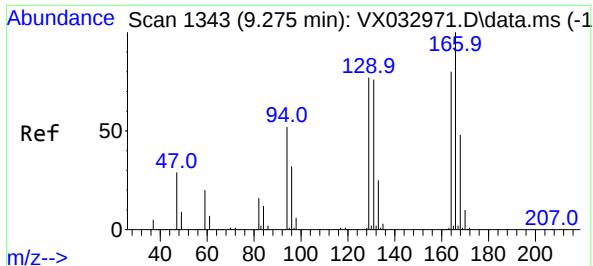
Tgt Ion: 95 Resp: 68158
Ion Ratio Lower Upper
95 100
174 84.0 0.0 164.0
176 80.5 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion: 117 Resp: 164848
Ion Ratio Lower Upper
117 100
82 56.6 44.3 66.5
119 33.4 25.7 38.5

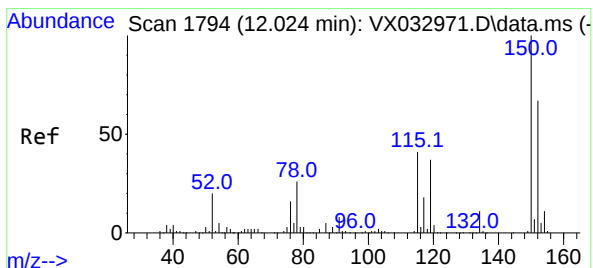
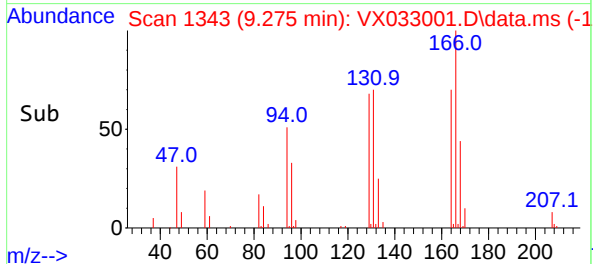
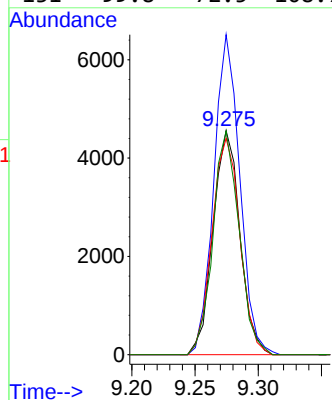
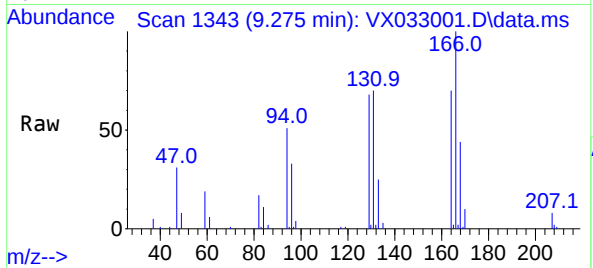




#64
Tetrachloroethene
Concen: 5.765 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

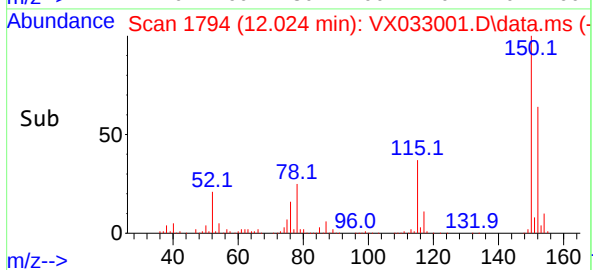
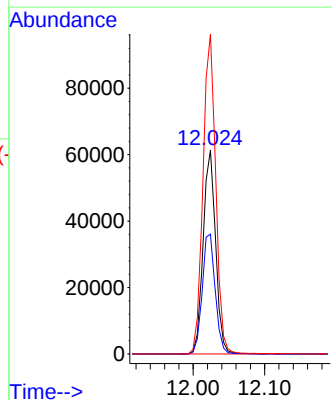
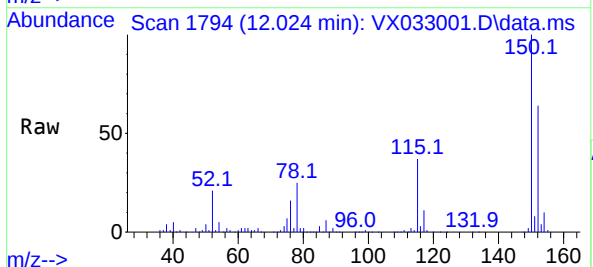
Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

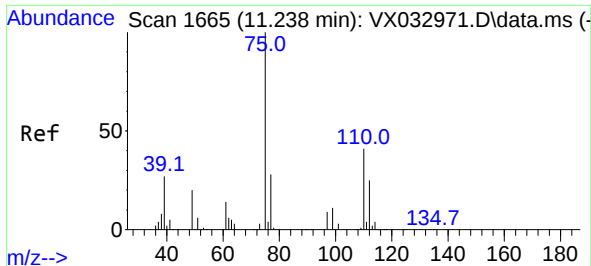
Tgt Ion:164 Resp: 6727
Ion Ratio Lower Upper
164 100
166 142.8 105.4 158.2
129 96.6 78.2 117.2
131 99.8 72.5 108.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion:152 Resp: 74495
Ion Ratio Lower Upper
152 100
115 61.0 44.0 132.0
150 159.9 0.0 351.8

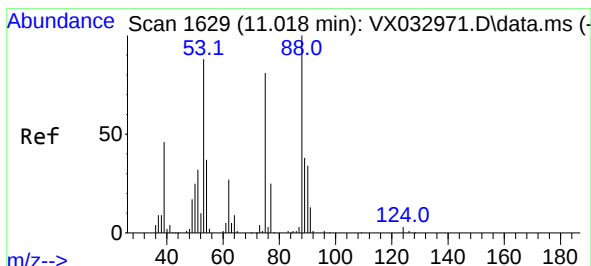
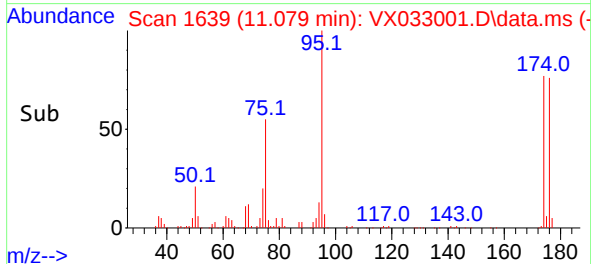
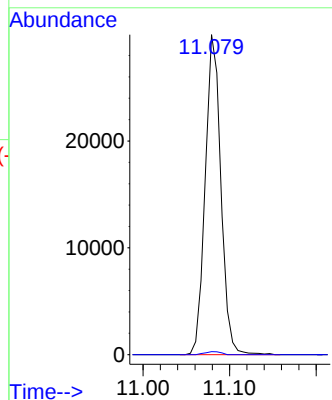
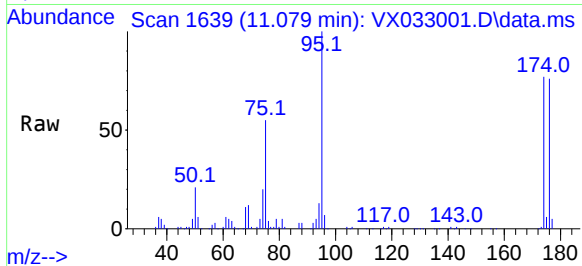




#76
1,2,3-Trichloropropane
Concen: 26.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Instrument :
MSVOA_X
ClientSampleId :
RW4-20221117

Tgt Ion: 75 Resp: 37647
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033001.D
Acq: 23 Nov 2022 00:08

Tgt Ion: 75 Resp: 37647
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

