

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121824\
 Data File : VX044402.D
 Acq On : 19 Dec 2024 00:37
 Operator : JC/MD
 Sample : P5317-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW4-20241216

Quant Time: Dec 19 05:07:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121124W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 12 04:28:14 2024
 Response via : Initial Calibration

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

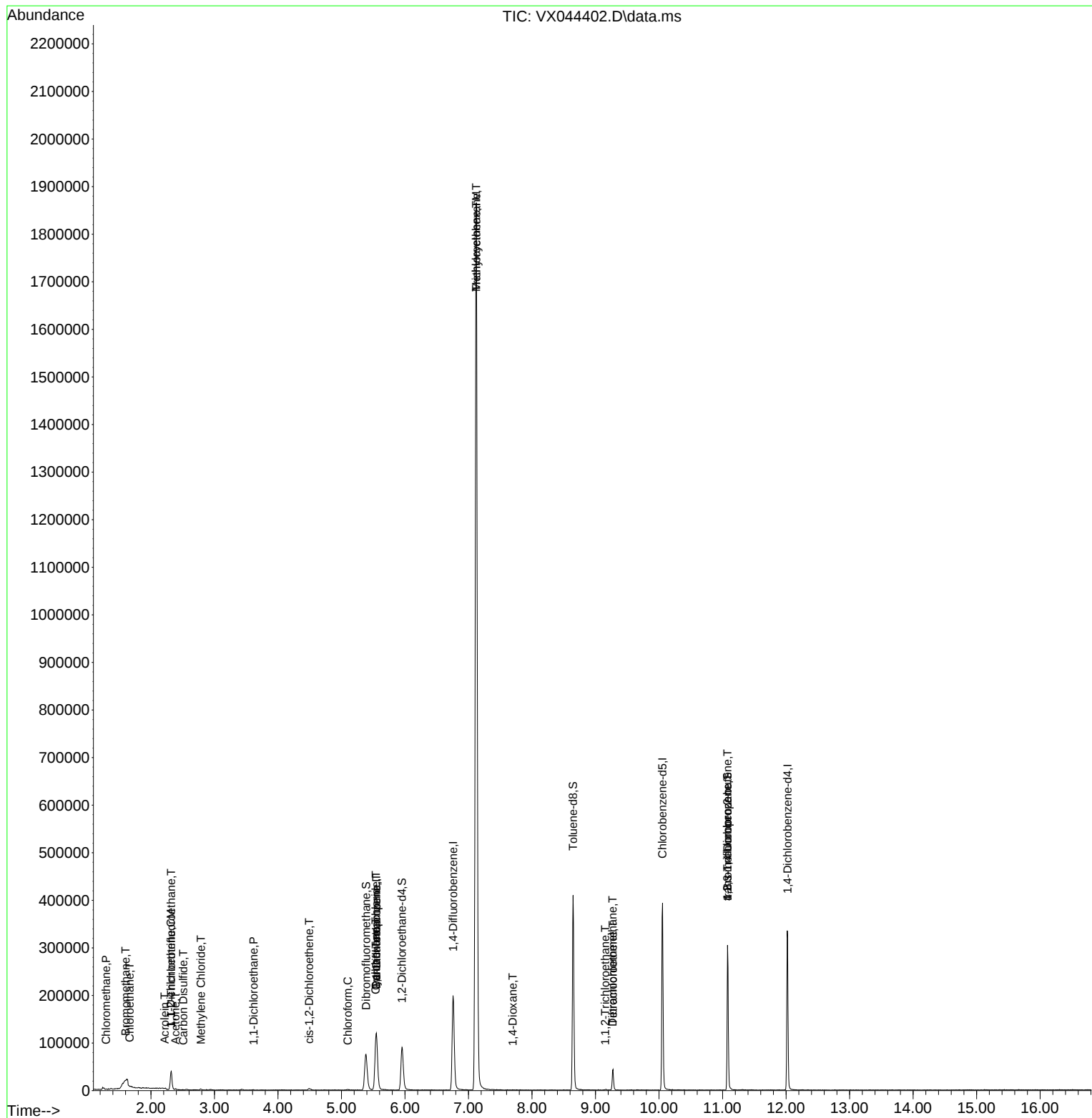
Internal Standards						
1) Pentafluorobenzene	5.550	168	108595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	199832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	88339	46.396	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.800%
35) Dibromofluoromethane	5.385	113	65937	47.642	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.280%
50) Toluene-d8	8.647	98	239168	51.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.440%
62) 4-Bromofluorobenzene	11.079	95	75829	46.476	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.960%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	501	0.312	ug/l	99
5) Bromomethane	1.599	94	434	0.366	ug/l #	29
6) Chloroethane	1.666	64	284	0.273	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	2.319	101	13698	10.336	ug/l	98
12) 1,1-Dichloroethene	2.313	96	1397	1.148	ug/l	82
13) Acrolein	2.215	56	159	0.409	ug/l #	49
16) Acetone	2.386	43	1776	2.288	ug/l #	86
17) Carbon Disulfide	2.508	76	616	0.266	ug/l #	75
20) Methylene Chloride	2.788	84	800	0.549	ug/l #	81
24) 1,1-Dichloroethane	3.617	63	611	0.240	ug/l #	82
27) cis-1,2-Dichloroethene	4.489	96	2032	1.237	ug/l	74
30) Chloroform	5.099	83	968	0.339	ug/l #	57
31) Cyclohexane	5.538	56	3022	1.471	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	9517	5.320	ug/l #	51
38) Carbon Tetrachloride	5.544	117	12862	6.678	ug/l #	17
39) Methylcyclohexane	7.123	83	9617	4.497	ug/l #	1
44) Trichloroethene	7.123	130	694778	512.923	ug/l	100
49) 1,4-Dioxane	7.696	88	24	0.863	ug/l #	1
55) 1,1,2-Trichloroethane	9.153	97	465	0.343	ug/l #	58
60) Dibromochloromethane	9.269	129	7099	6.254	ug/l #	11
64) Tetrachloroethene	9.275	164	7782	6.795	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	42093	26.865	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	42093	73.970	ug/l #	4

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

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QLast Update : Thu Dec 12 04:28:14 2024
Response via : Initial Calibration

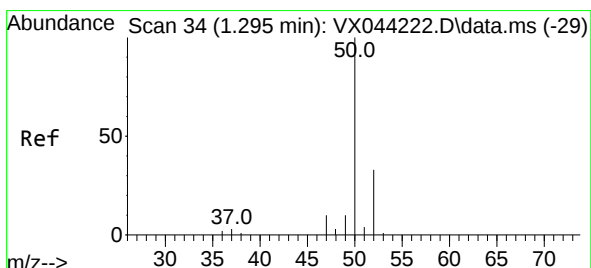
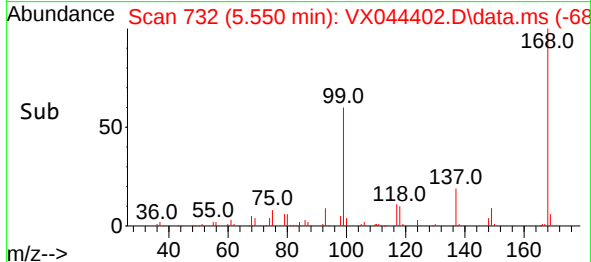
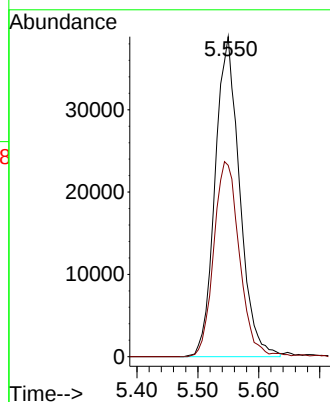
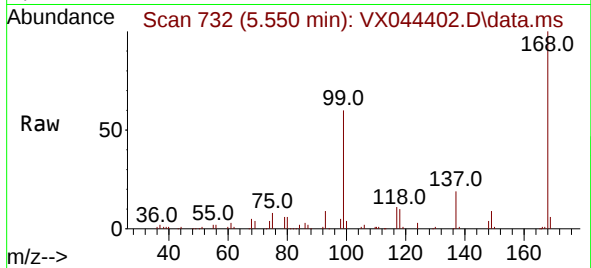




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

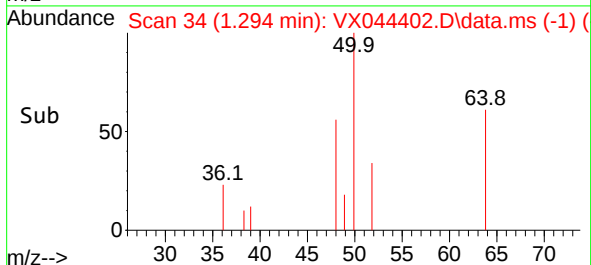
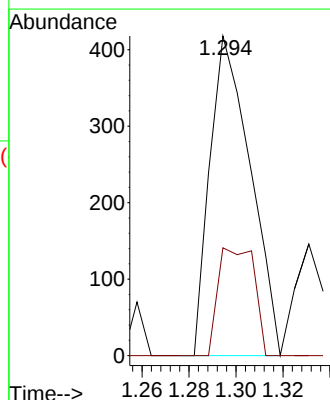
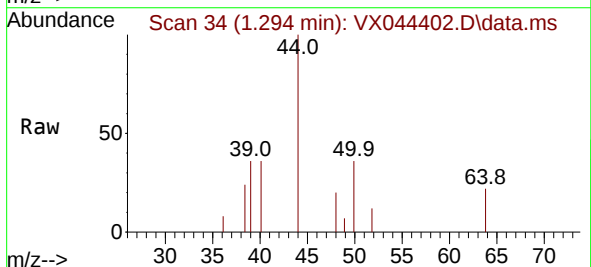
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

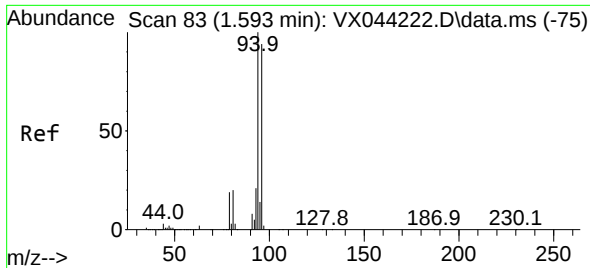
Tgt Ion:168 Resp: 108595
Ion Ratio Lower Upper
168 100
99 59.8 53.4 80.0



#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 33.7 26.5 39.7

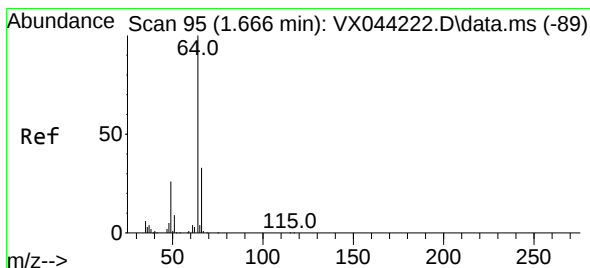
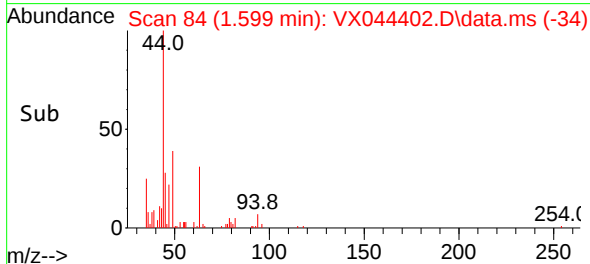
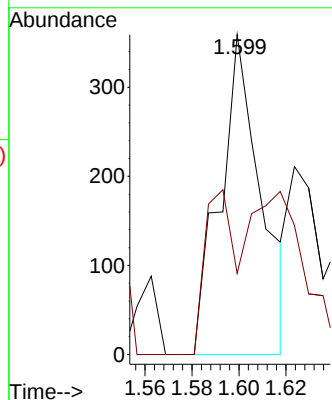
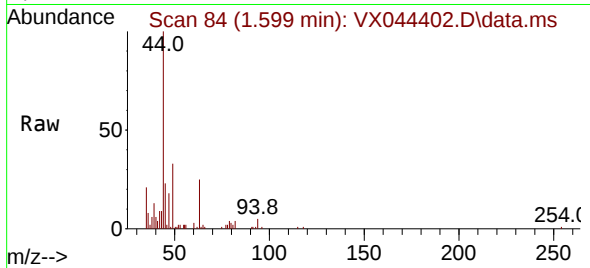




#5
Bromomethane
Concen: 0.366 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

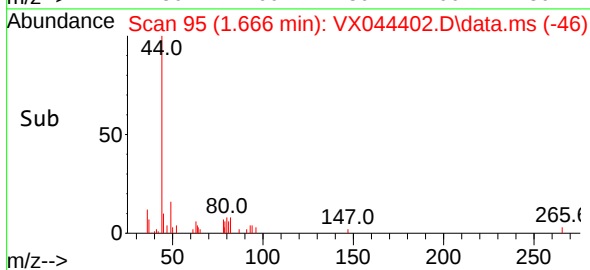
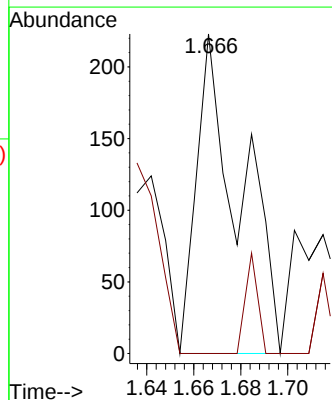
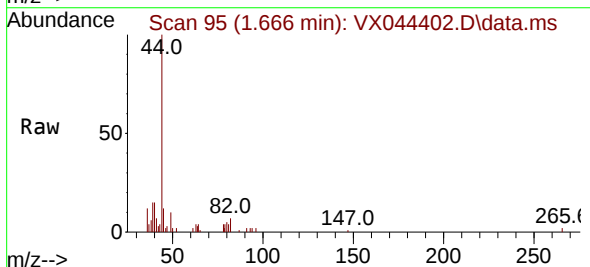
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

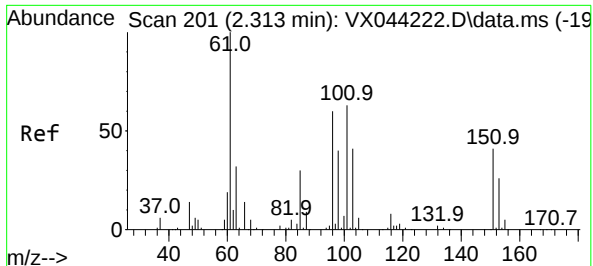
Tgt Ion: 94 Resp: 434
Ion Ratio Lower Upper
94 100
96 25.3 74.9 112.3#



#6
Chloroethane
Concen: 0.273 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 64 Resp: 284
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#

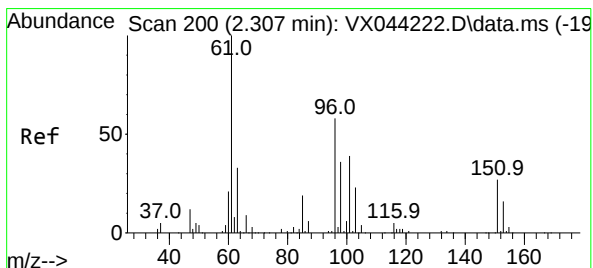
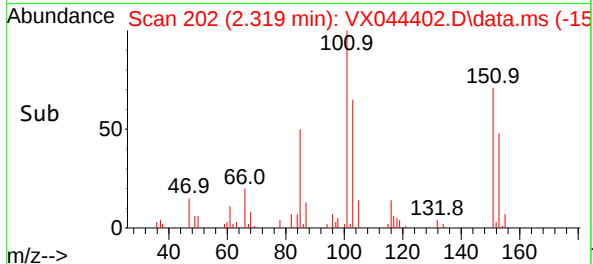
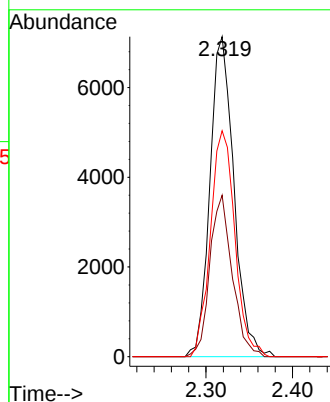
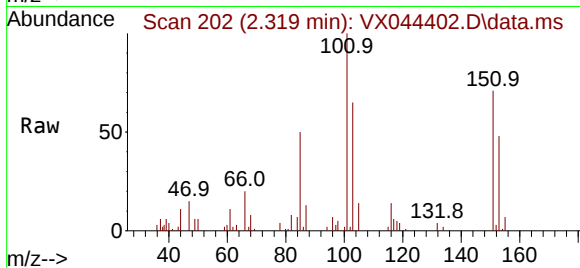




#9
1,1,2-Trichlorotrifluoroethane
Concen: 10.336 ug/l
RT: 2.319 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

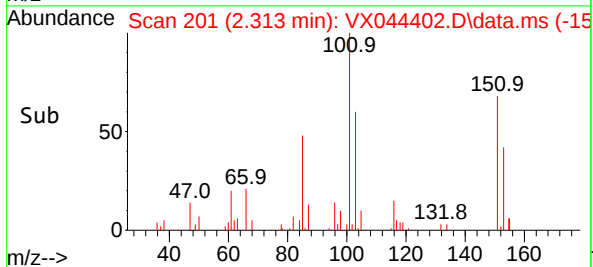
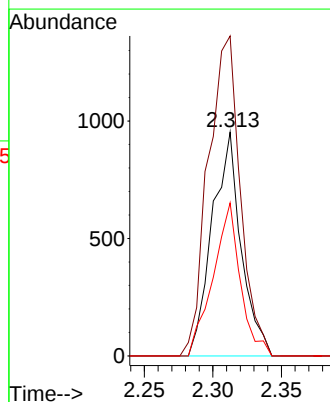
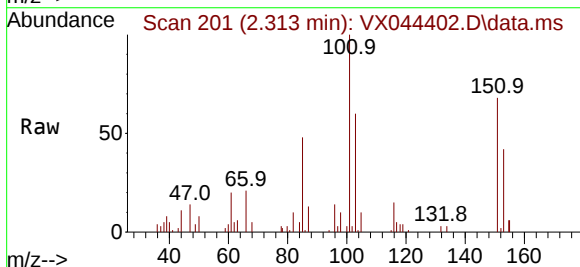
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

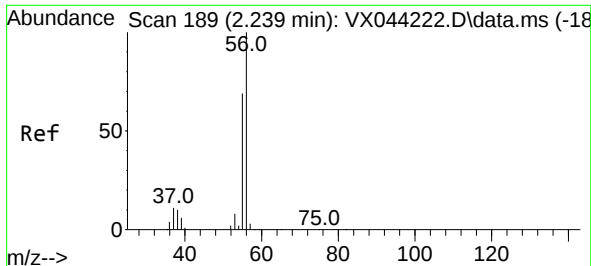
Tgt Ion:101 Resp: 13698
Ion Ratio Lower Upper
101 100
85 47.4 38.5 57.7
151 72.2 55.8 83.6



#12
1,1-Dichloroethene
Concen: 1.148 ug/l
RT: 2.313 min Scan# 201
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 96 Resp: 1397
Ion Ratio Lower Upper
96 100
61 142.9 138.0 207.0
98 68.4 50.0 75.0





#13

Acrolein

Concen: 0.409 ug/l

RT: 2.215 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

Instrument :

MSVOA_X

ClientSampleId :

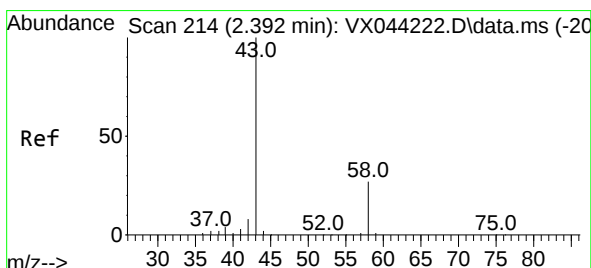
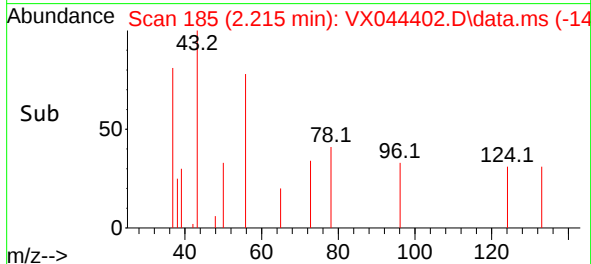
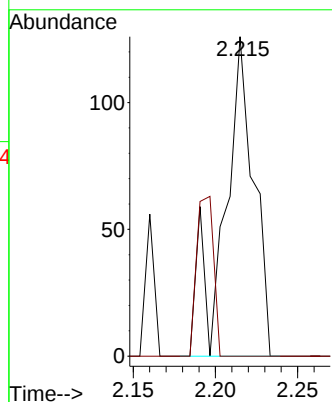
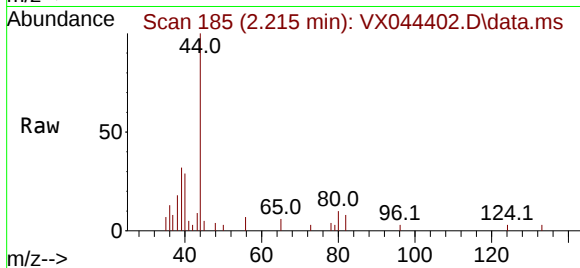
RW4-20241216

Tgt Ion: 56 Resp: 159

Ion Ratio Lower Upper

56 100

55 28.3 56.6 84.8#



#16

Acetone

Concen: 2.288 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX044402.D

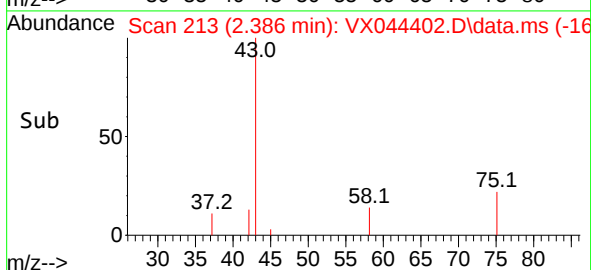
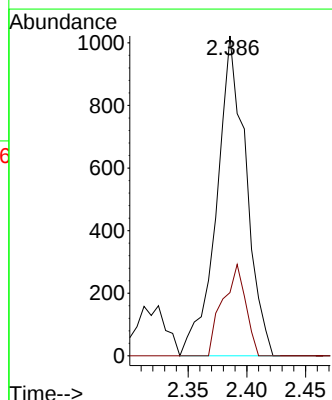
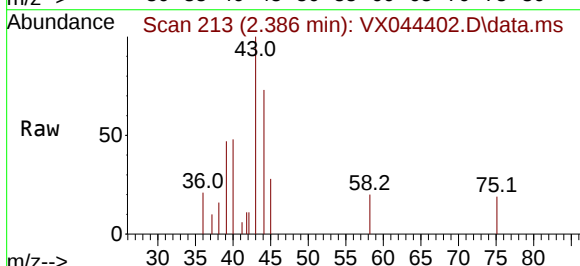
Acq: 19 Dec 2024 00:37

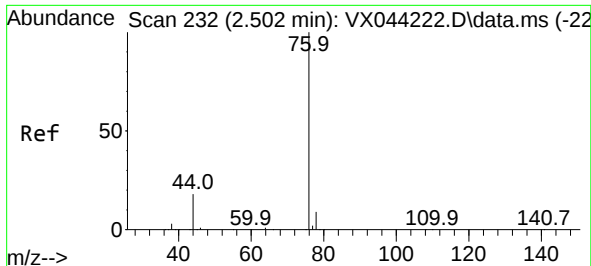
Tgt Ion: 43 Resp: 1776

Ion Ratio Lower Upper

43 100

58 19.8 21.6 32.4#

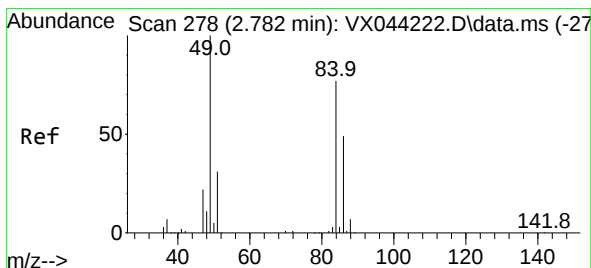
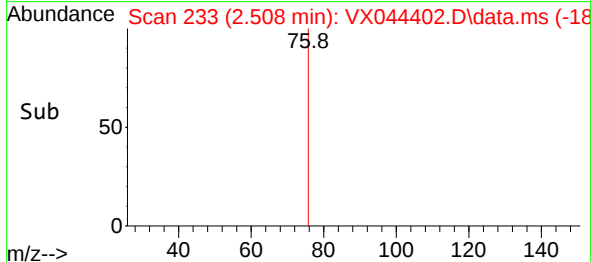
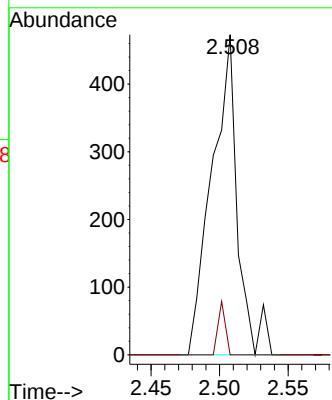
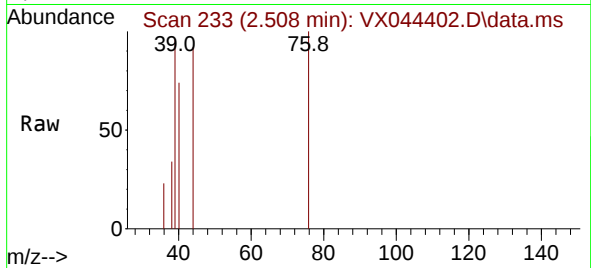




#17
Carbon Disulfide
Concen: 0.266 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

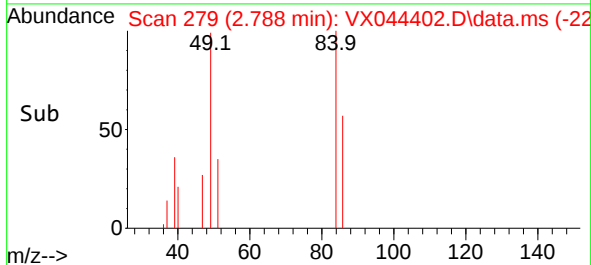
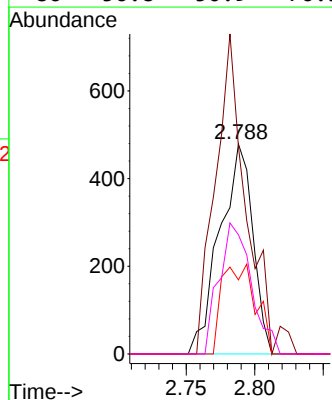
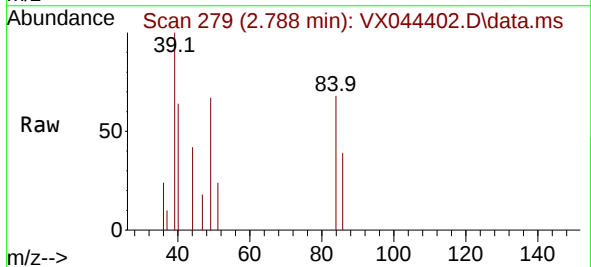
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

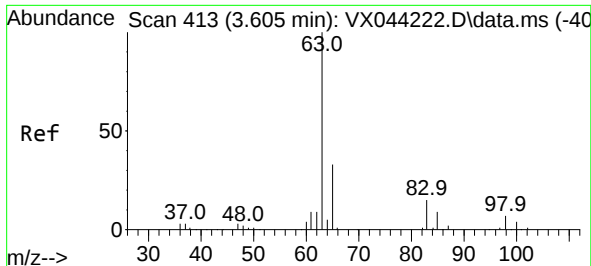
Tgt Ion: 76 Resp: 616
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#20
Methylene Chloride
Concen: 0.549 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 84 Resp: 800
Ion Ratio Lower Upper
84 100
49 98.7 104.2 156.4#
51 35.3 32.2 48.4
86 56.8 50.9 76.3





#24

1,1-Dichloroethane

Concen: 0.240 ug/l

RT: 3.617 min Scan# 41

Delta R.T. 0.012 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

Instrument :

MSVOA_X

ClientSampleId :

RW4-20241216

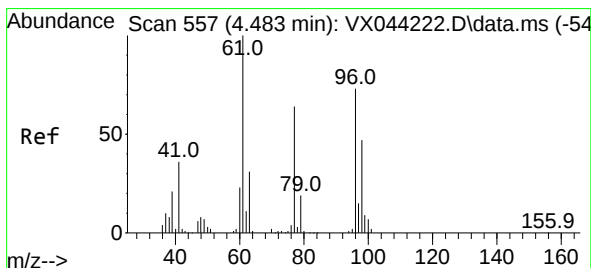
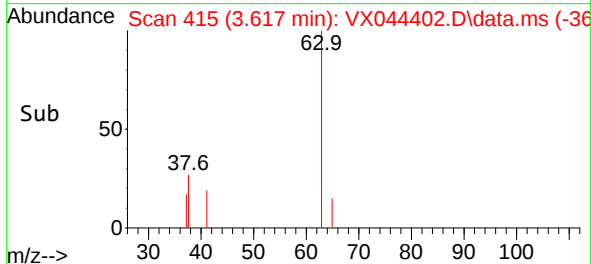
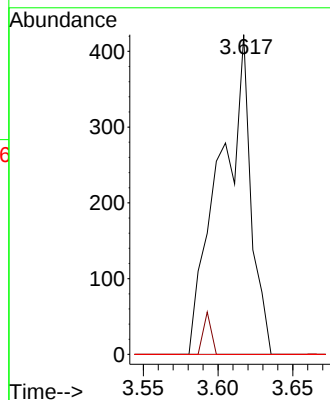
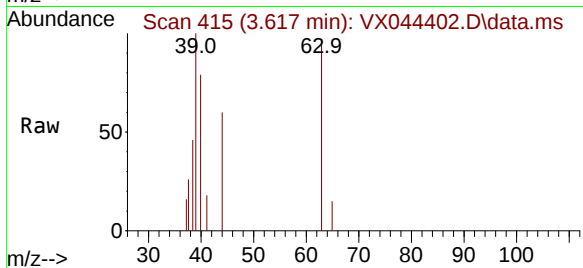
Tgt Ion: 63 Resp: 611

Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.8#

100 0.0 2.1 6.3#



#27

cis-1,2-Dichloroethene

Concen: 1.237 ug/l

RT: 4.489 min Scan# 558

Delta R.T. 0.006 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

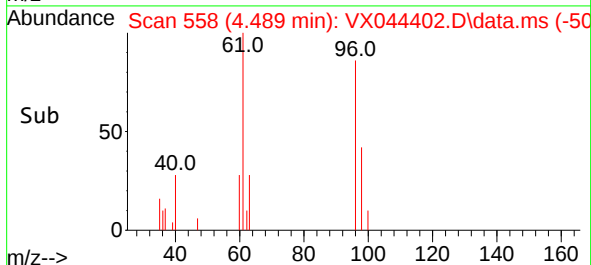
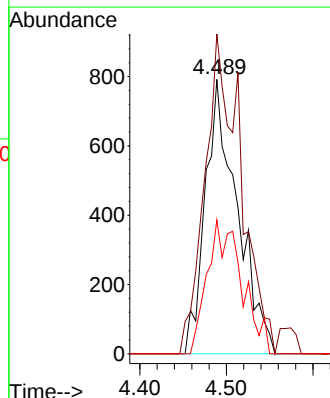
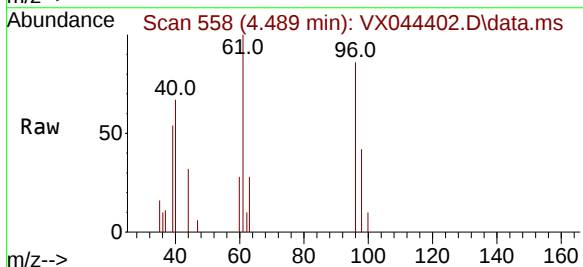
Tgt Ion: 96 Resp: 2032

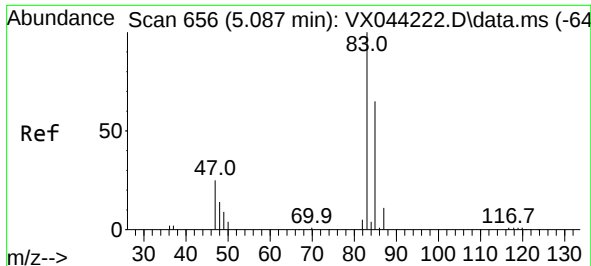
Ion Ratio Lower Upper

96 100

61 130.3 0.0 299.0

98 24.6 0.0 129.0





#30

Chloroform

Concen: 0.339 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

Instrument :

MSVOA_X

ClientSampleId :

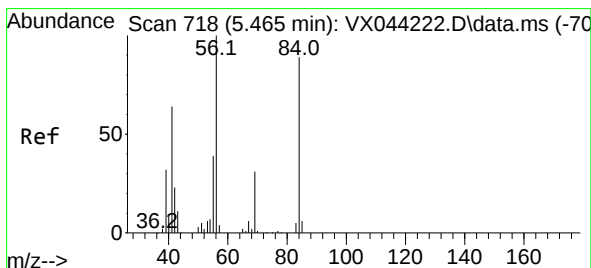
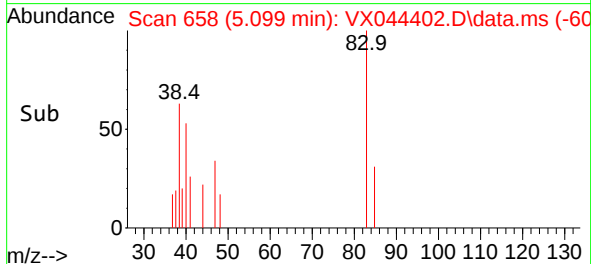
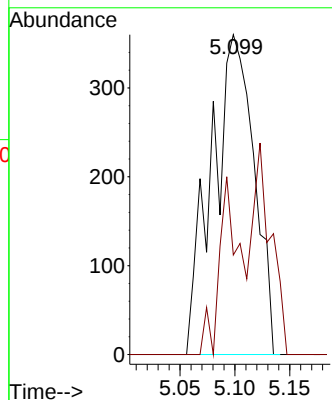
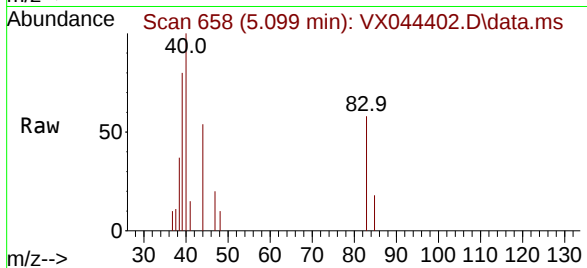
RW4-20241216

Tgt Ion: 83 Resp: 968

Ion Ratio Lower Upper

83 100

85 31.1 51.6 77.4#



#31

Cyclohexane

Concen: 1.471 ug/l

RT: 5.538 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

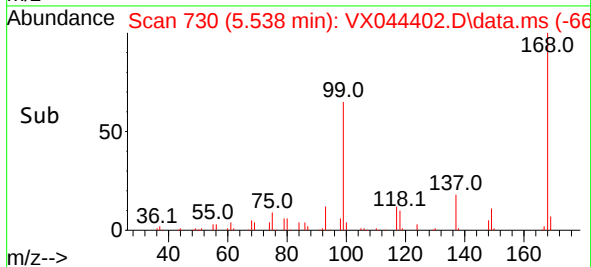
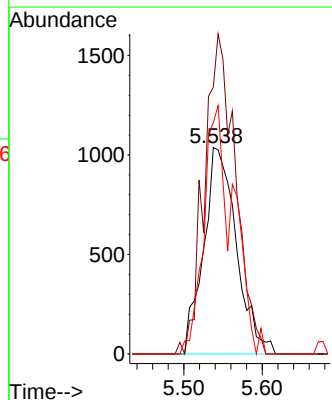
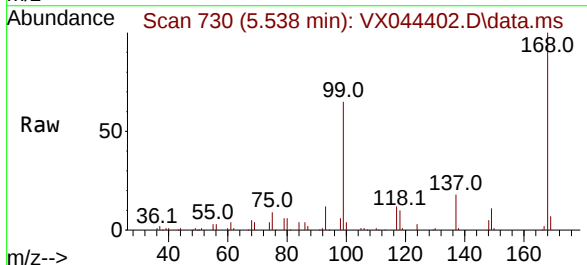
Tgt Ion: 56 Resp: 3022

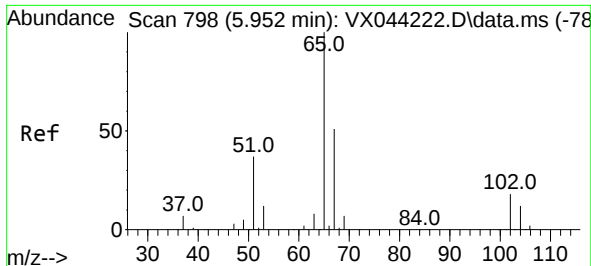
Ion Ratio Lower Upper

56 100

69 129.2 24.7 37.1#

84 112.2 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.396 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

Instrument :

MSVOA_X

ClientSampleId :

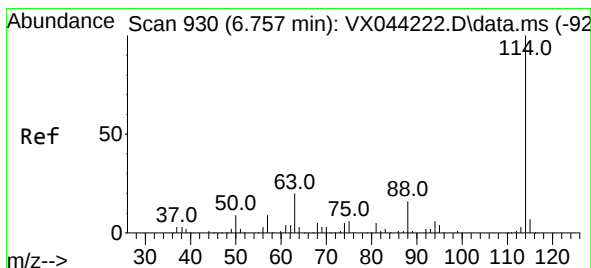
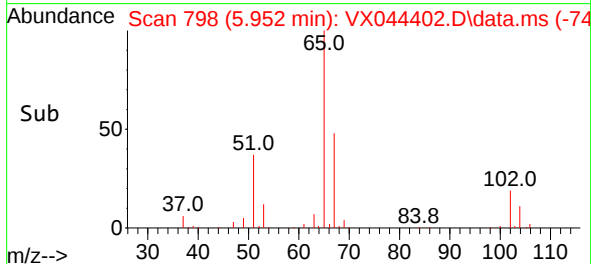
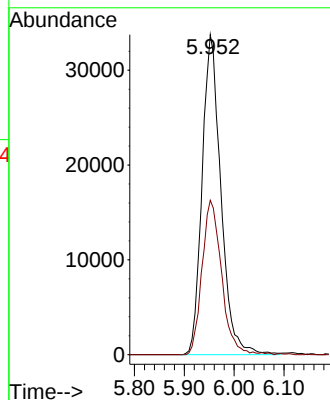
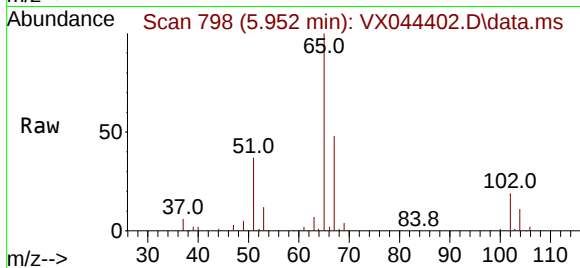
RW4-20241216

Tgt Ion: 65 Resp: 88339

Ion Ratio Lower Upper

65 100

67 49.9 0.0 101.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

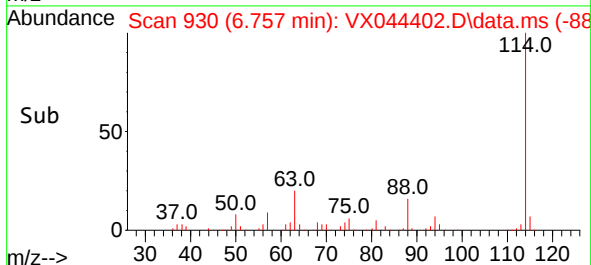
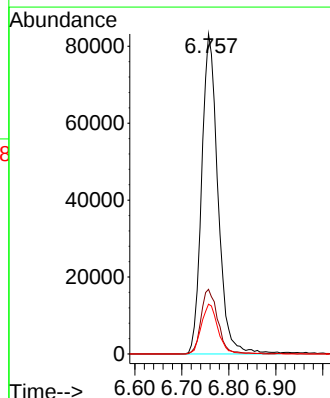
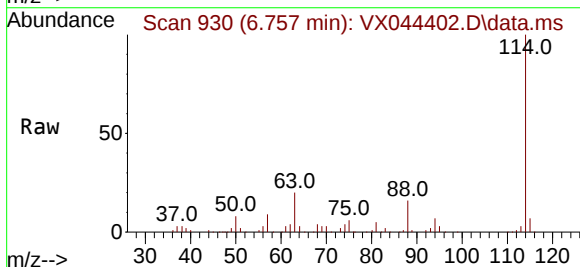
Tgt Ion: 114 Resp: 199832

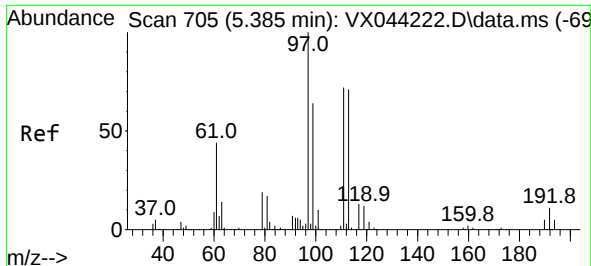
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.6

88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.642 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX044402.D

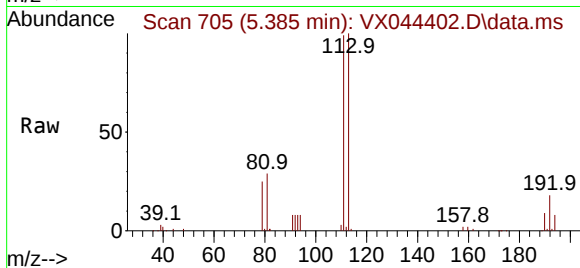
Acq: 19 Dec 2024 00:37

Instrument :

MSVOA_X

ClientSampleId :

RW4-20241216



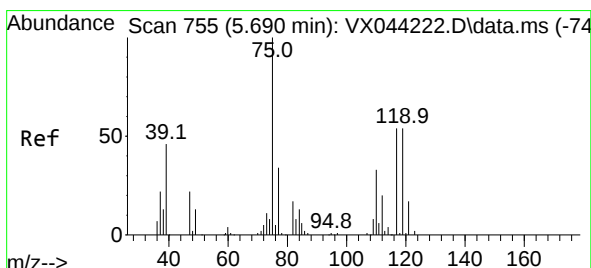
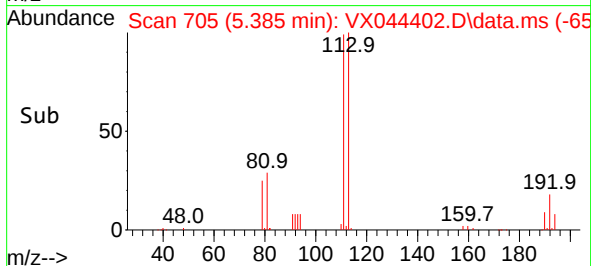
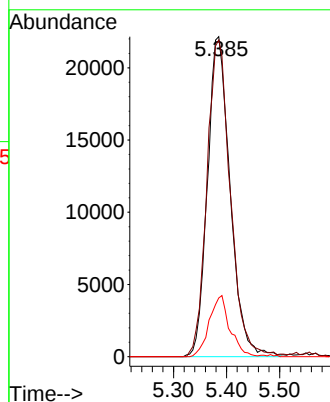
Tgt Ion:113 Resp: 65937

Ion Ratio Lower Upper

113 100

111 101.8 80.4 120.6

192 17.3 13.3 19.9



#36

1,1-Dichloropropene

Concen: 5.320 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

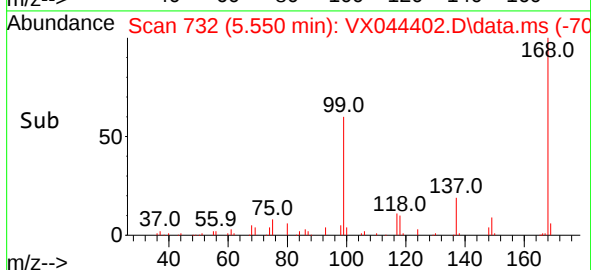
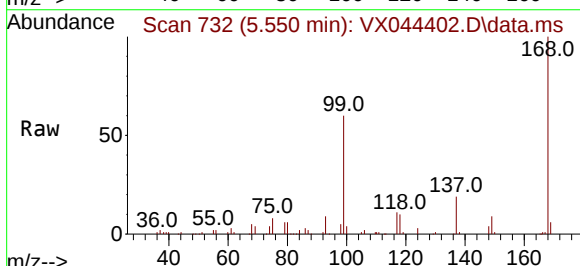
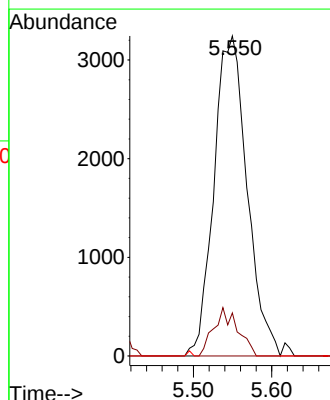
Tgt Ion: 75 Resp: 9517

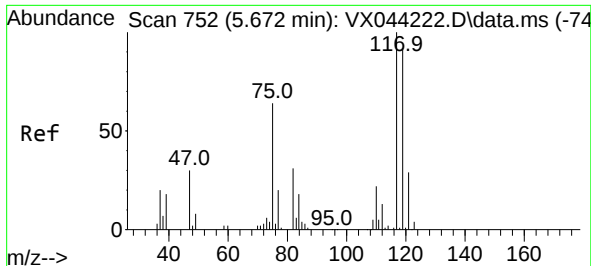
Ion Ratio Lower Upper

75 100

110 11.0 17.3 51.7#

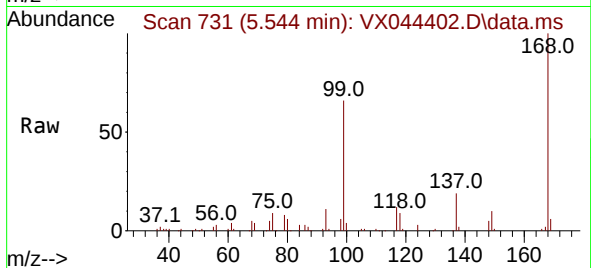
77 0.0 25.4 38.0#



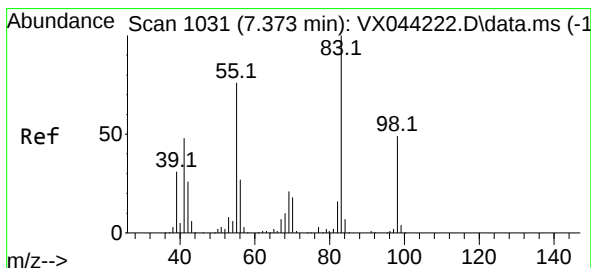
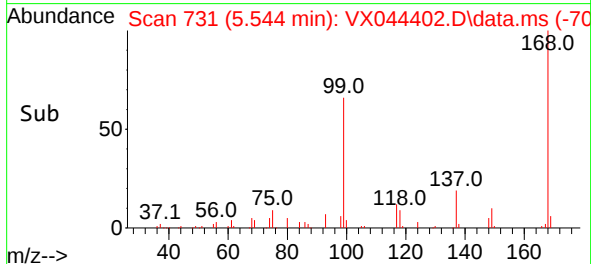
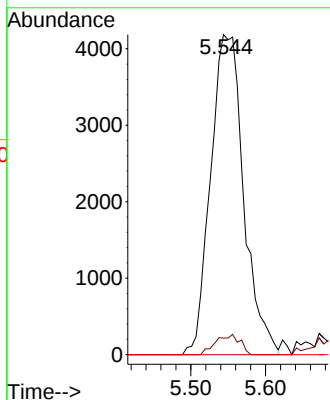


#38
Carbon Tetrachloride
Concen: 6.678 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

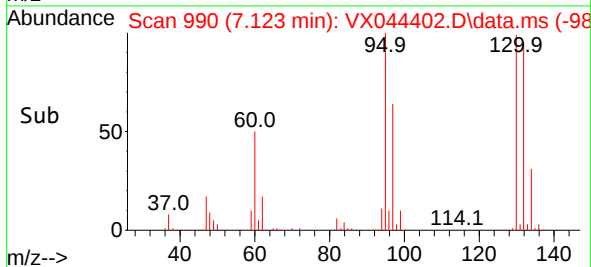
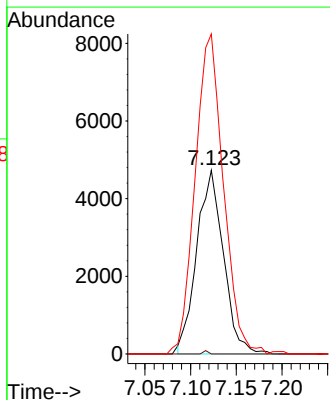
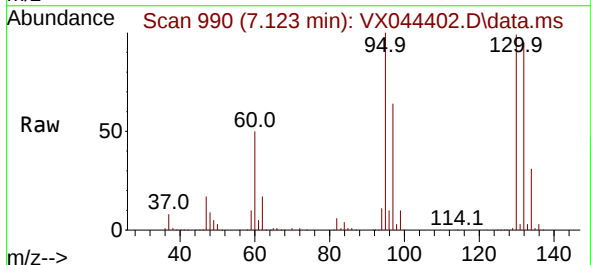


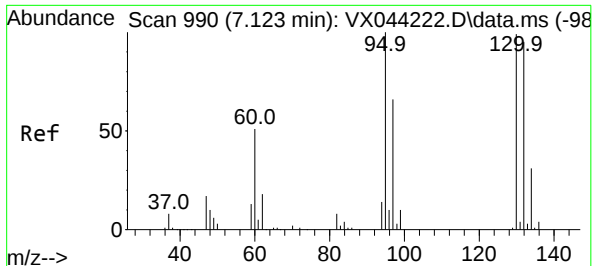
Tgt Ion:117 Resp: 12862
Ion Ratio Lower Upper
117 100
119 5.2 74.2 111.4#
121 0.0 23.0 34.6#



#39
Methylcyclohexane
Concen: 4.497 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.250 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 83 Resp: 9617
Ion Ratio Lower Upper
83 100
55 0.0 60.7 91.1#
98 172.8 38.9 58.3#

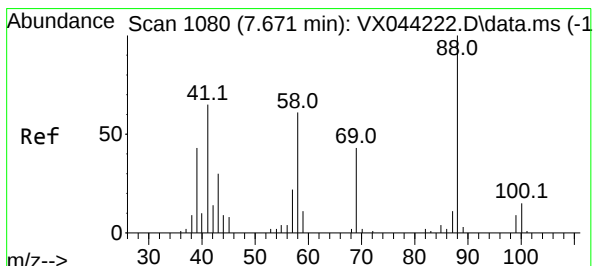
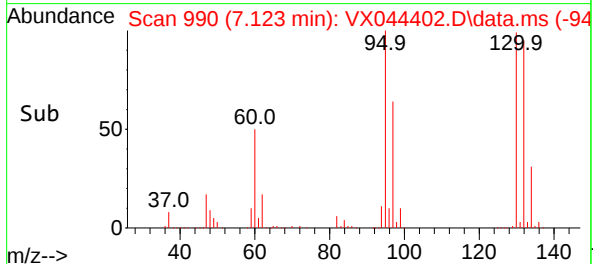
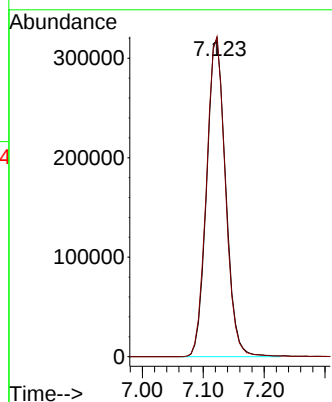
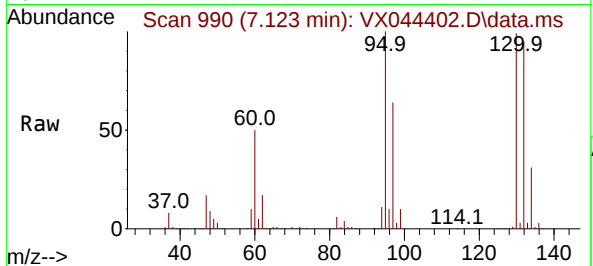




#44
Trichloroethene
Concen: 512.923 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

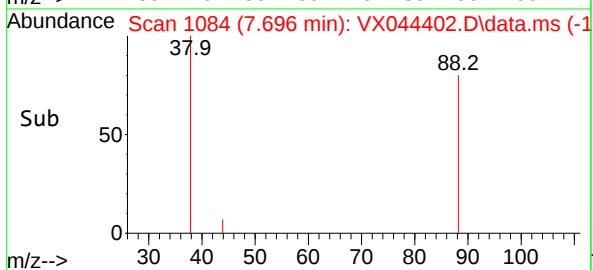
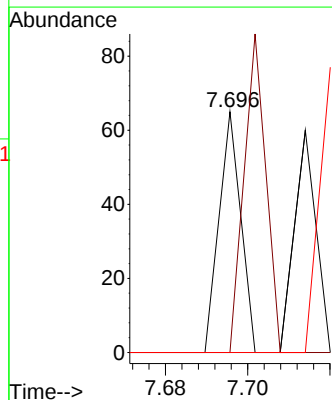
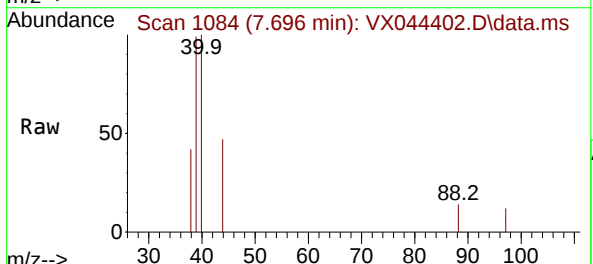
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

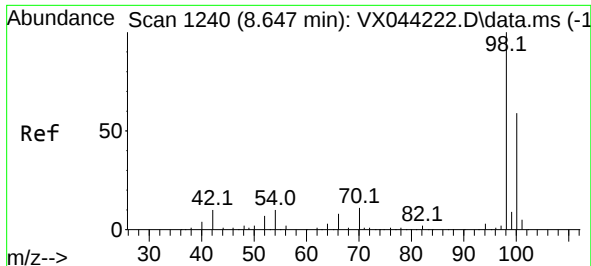
Tgt Ion:130 Resp: 694778
Ion Ratio Lower Upper
130 100
95 100.6 0.0 201.4



#49
1,4-Dioxane
Concen: 0.863 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.024 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 88 Resp: 24
Ion Ratio Lower Upper
88 100
43 129.2 27.1 40.7#
58 0.0 41.0 61.4#

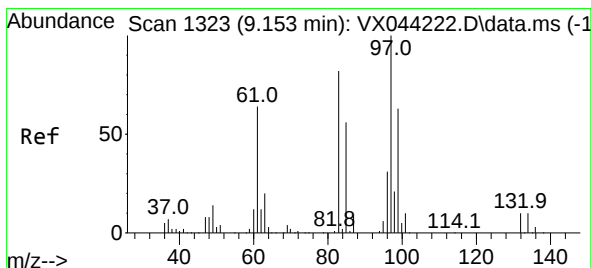
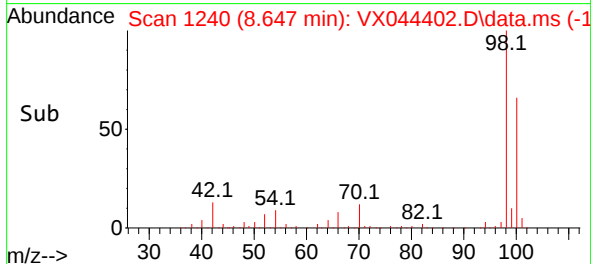
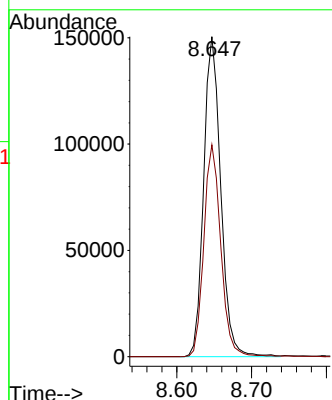
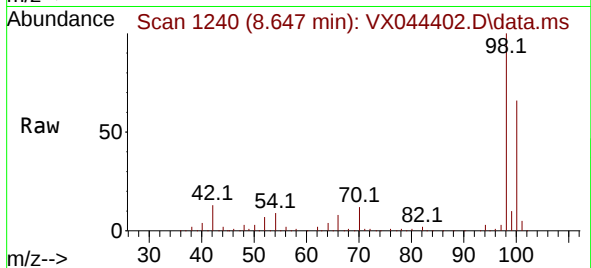




#50
Toluene-d8
Concen: 51.222 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

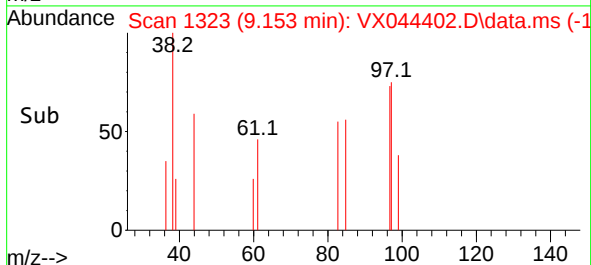
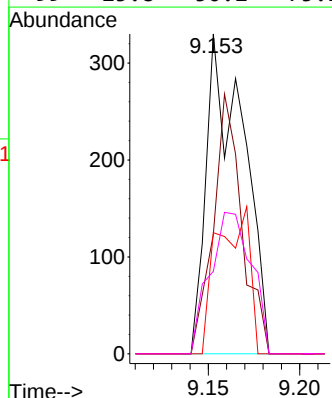
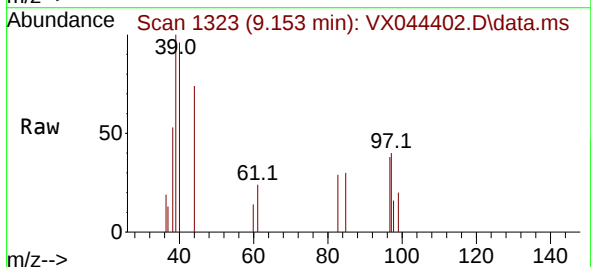
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

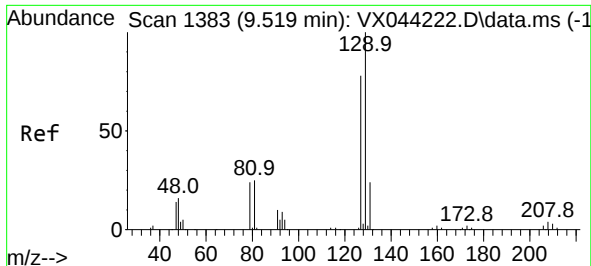
Tgt Ion: 98 Resp: 239168
Ion Ratio Lower Upper
98 100
100 65.6 51.5 77.3



#55
1,1,2-Trichloroethane
Concen: 0.343 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 97 Resp: 465
Ion Ratio Lower Upper
97 100
83 37.3 65.3 97.9#
85 37.9 44.6 67.0#
99 25.8 50.2 75.2#

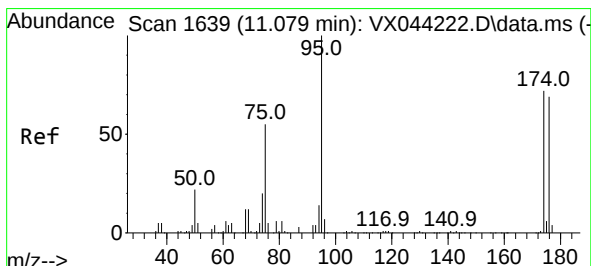
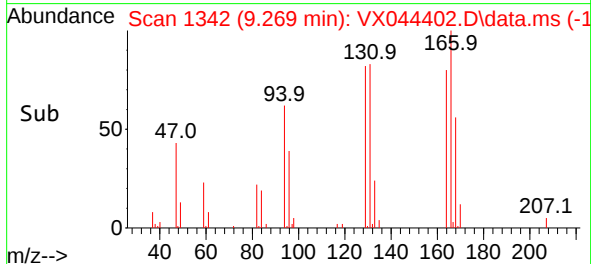
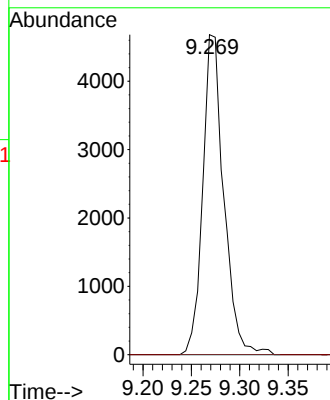
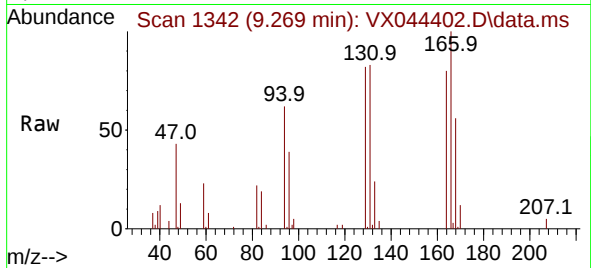




#60
Dibromochloromethane
Concen: 6.254 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

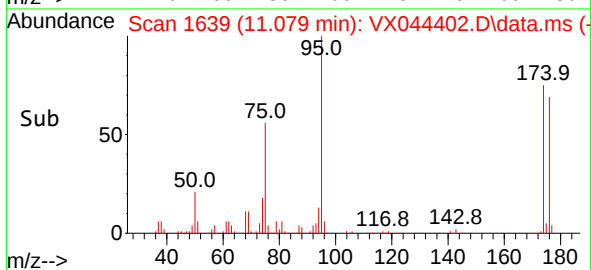
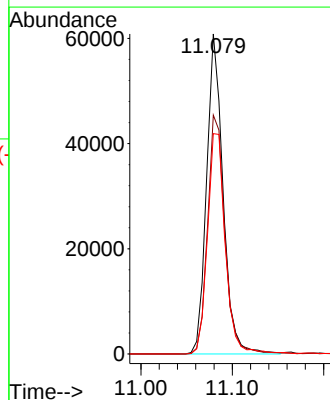
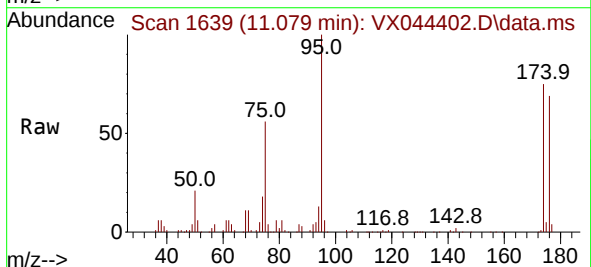
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

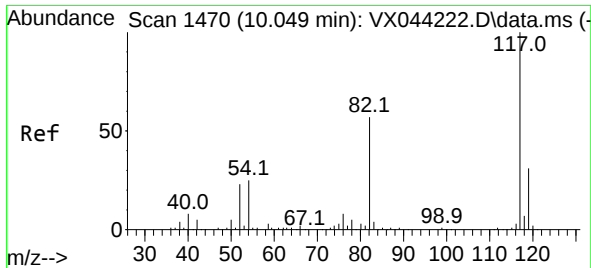
Tgt Ion:129 Resp: 7099
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 46.476 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion: 95 Resp: 75829
Ion Ratio Lower Upper
95 100
174 78.8 0.0 145.8
176 74.9 0.0 137.8

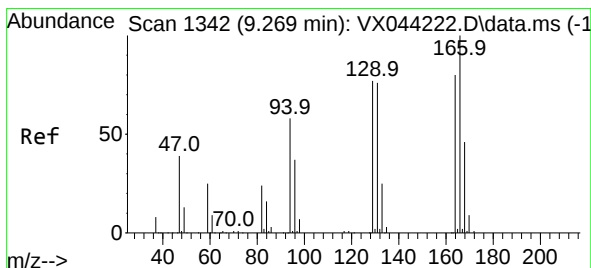
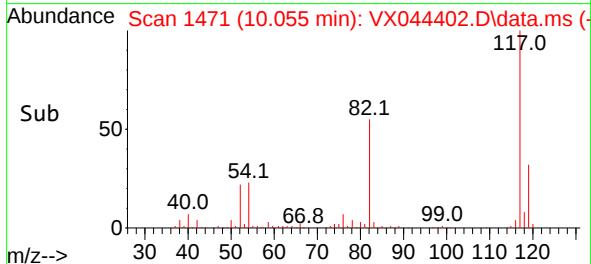
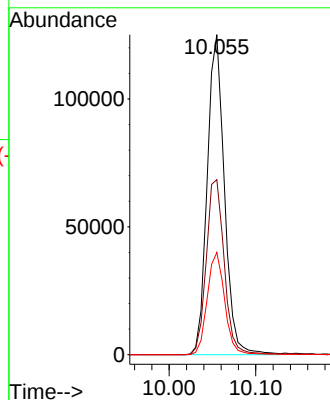
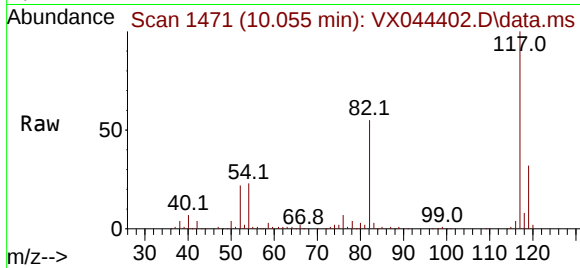




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

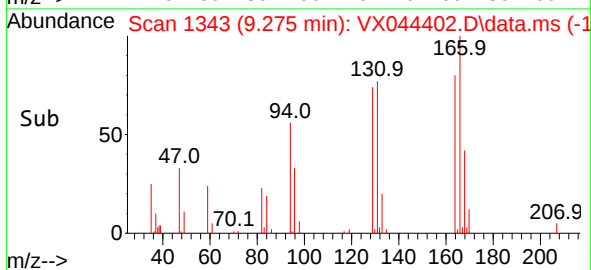
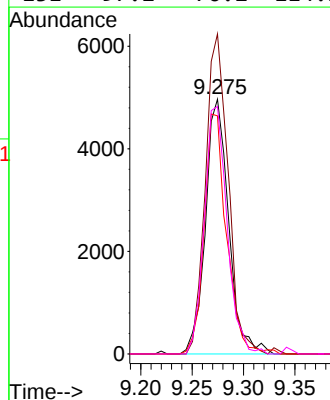
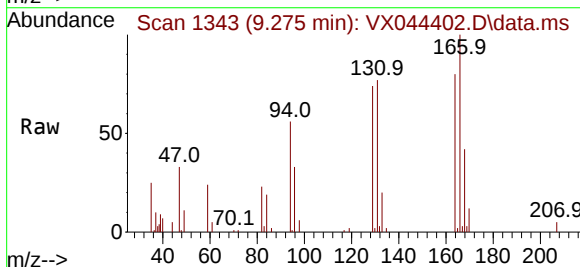
Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216

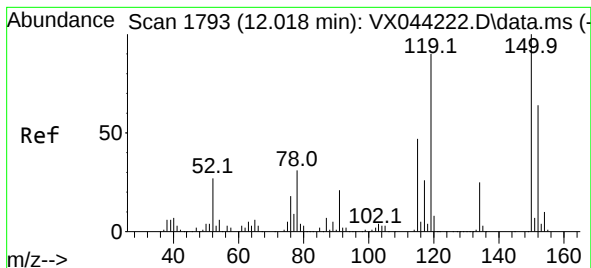
Tgt Ion:117 Resp: 172545
Ion Ratio Lower Upper
117 100
82 54.7 45.8 68.8
119 31.9 25.0 37.4



#64
Tetrachloroethene
Concen: 6.795 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Tgt Ion:164 Resp: 7782
Ion Ratio Lower Upper
164 100
166 125.6 100.4 150.6
129 93.5 77.2 115.8
131 97.2 76.2 114.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044402.D

Acq: 19 Dec 2024 00:37

Instrument :

MSVOA_X

ClientSampleId :

RW4-20241216

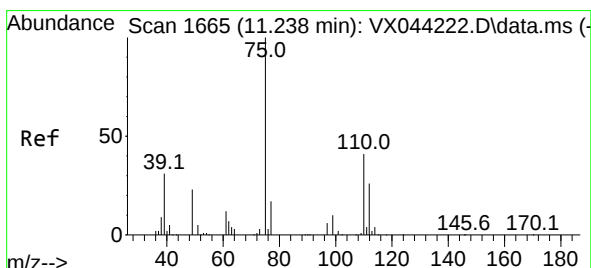
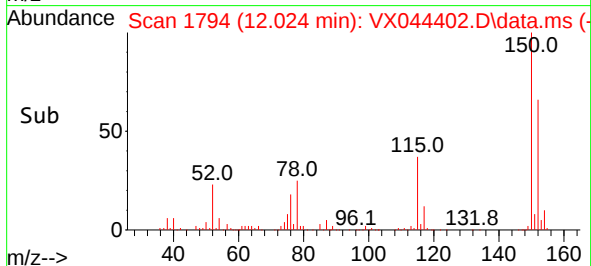
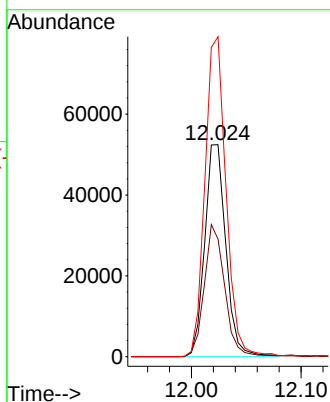
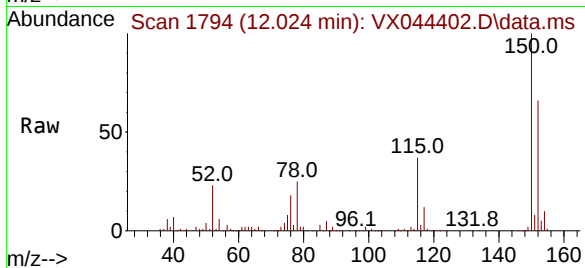
Tgt Ion:152 Resp: 70176

Ion Ratio Lower Upper

152 100

115 60.5 44.5 133.3

150 150.8 0.0 353.8



#76

1,2,3-Trichloropropane

Concen: 26.865 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044402.D

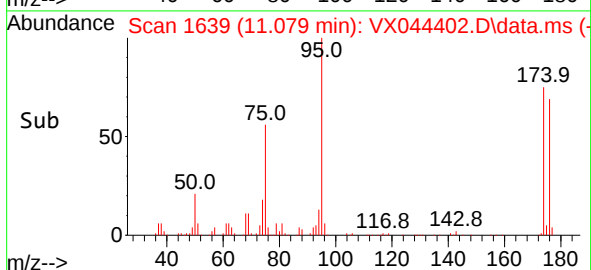
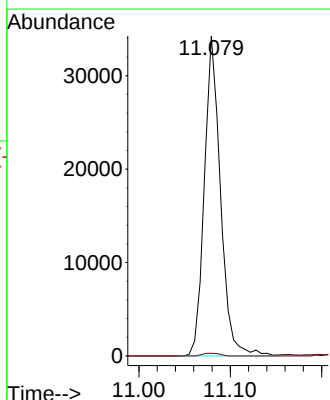
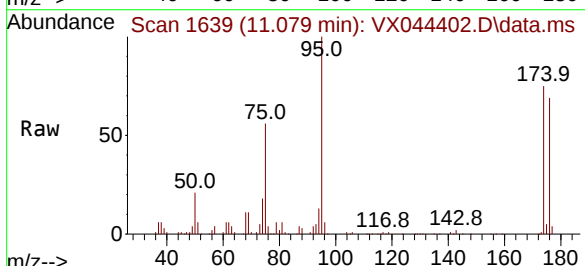
Acq: 19 Dec 2024 00:37

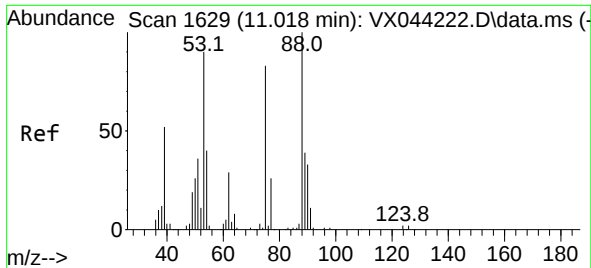
Tgt Ion: 75 Resp: 42093

Ion Ratio Lower Upper

75 100

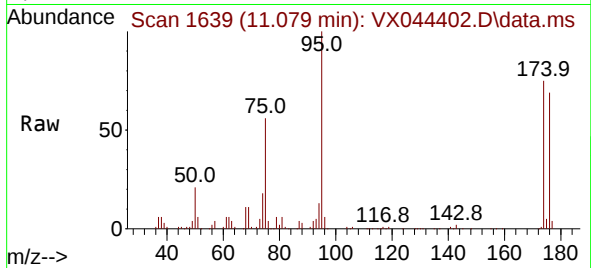
77 0.9 20.9 62.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.970 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX044402.D
Acq: 19 Dec 2024 00:37

Instrument :
MSVOA_X
ClientSampleId :
RW4-20241216



Tgt Ion: 75 Resp: 42093
Ion Ratio Lower Upper
75 100
53 0.0 93.6 140.4#
89 0.0 37.3 55.9#

