

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037028.D
 Acq On : 16 Aug 2023 19:24
 Operator : JC/MD
 Sample : 04024-22
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20230815

Quant Time: Aug 17 04:19:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

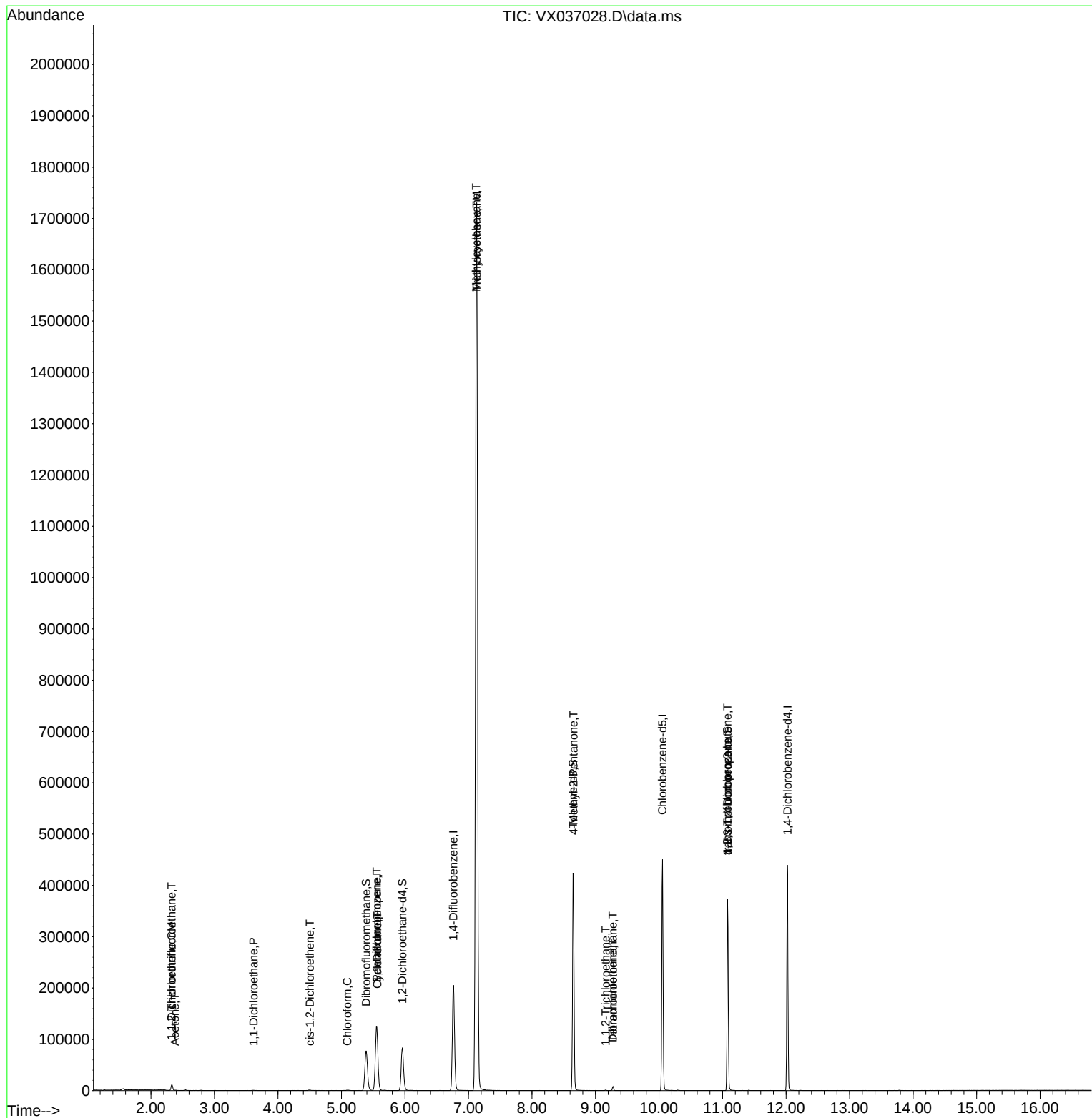
Internal Standards						
1) Pentafluorobenzene	5.556	168	115219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	213864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83435	48.940	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.880%
35) Dibromofluoromethane	5.385	113	68479	46.585	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.160%
50) Toluene-d8	8.647	98	257362	49.370	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.740%
62) 4-Bromofluorobenzene	11.079	95	101526	51.622	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.240%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	4244	3.245	ug/l	97
12) 1,1-Dichloroethene	2.325	96	530	0.411	ug/l #	73
16) Acetone	2.380	43	738	1.043	ug/l	98
24) 1,1-Dichloroethane	3.617	63	850	0.314	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	801	0.468	ug/l	75
30) Chloroform	5.092	83	1083	0.391	ug/l #	79
31) Cyclohexane	5.562	56	2551	1.081	ug/l #	21
36) 1,1-Dichloropropene	5.556	75	9625	4.393	ug/l #	51
39) Methylcyclohexane	7.123	83	8303	3.048	ug/l #	1
44) Trichloroethene	7.129	130	685827	411.600	ug/l	98
51) 4-Methyl-2-Pentanone	8.653	43	1088	0.461	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	391	0.233	ug/l #	77
60) Dibromochloromethane	9.275	129	1371	0.743	ug/l #	11
64) Tetrachloroethene	9.275	164	1439	0.947	ug/l	89
76) 1,2,3-Trichloropropane	11.079	75	52921	25.253	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	52921	57.237	ug/l #	5

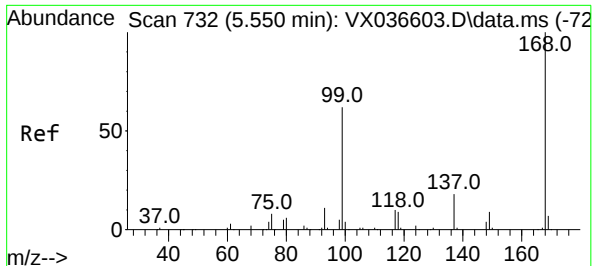
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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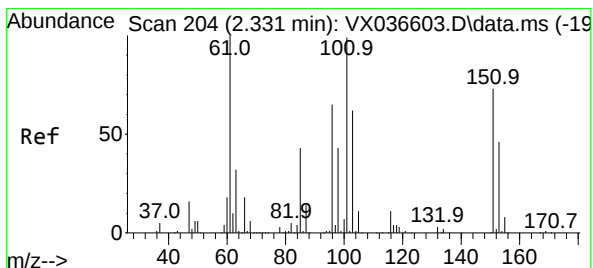
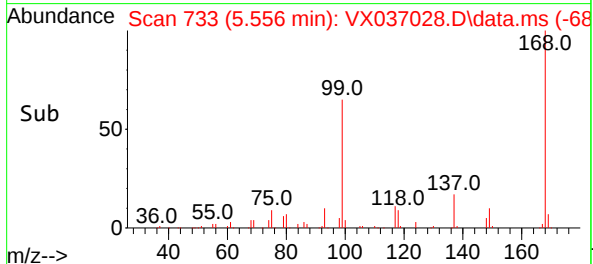
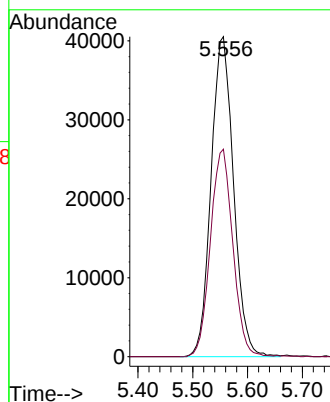
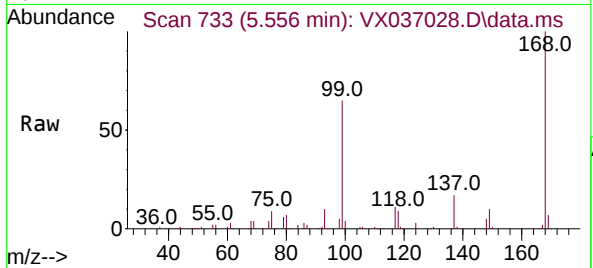




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

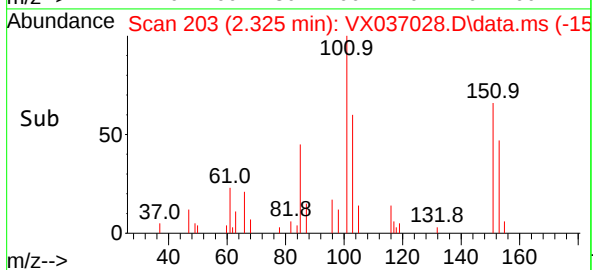
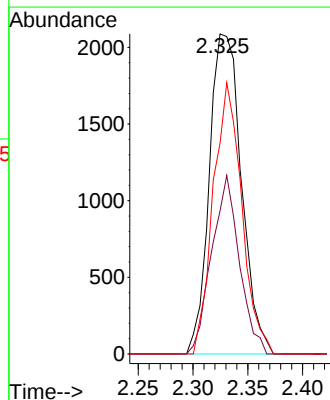
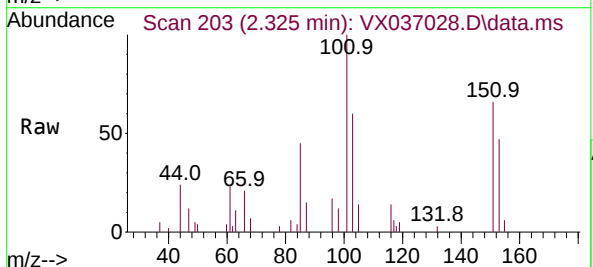
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230815

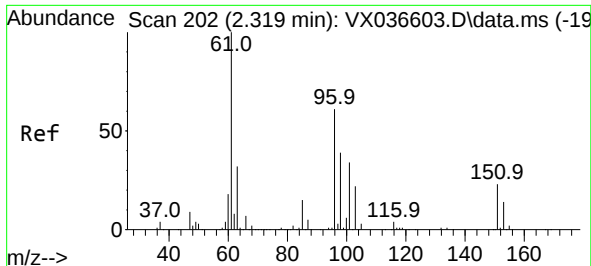
Tgt Ion:168 Resp: 115219
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.245 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

Tgt Ion:101 Resp: 4244
Ion Ratio Lower Upper
101 100
85 48.2 37.0 55.6
151 75.5 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.411 ug/l

RT: 2.325 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20230815

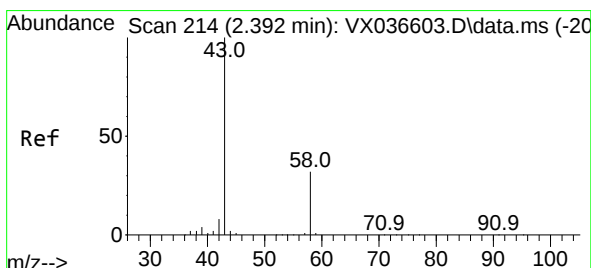
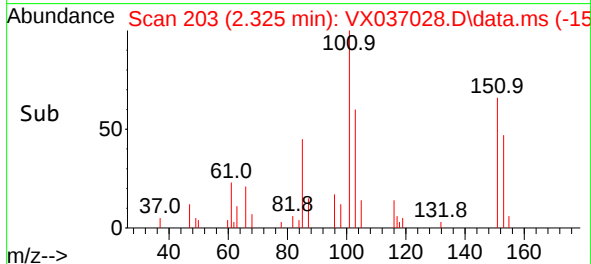
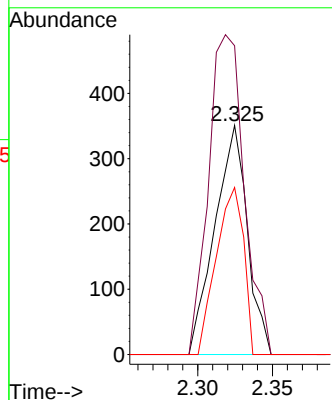
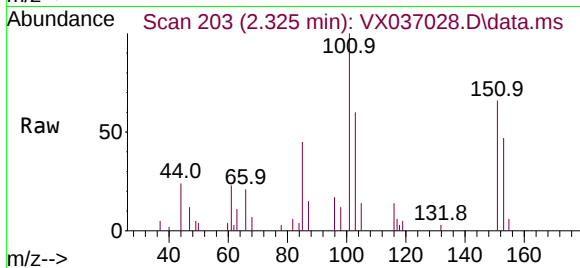
Tgt Ion: 96 Resp: 530

Ion Ratio Lower Upper

96 100

61 134.8 144.6 216.8#

98 72.9 50.4 75.6



#16

Acetone

Concen: 1.043 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX037028.D

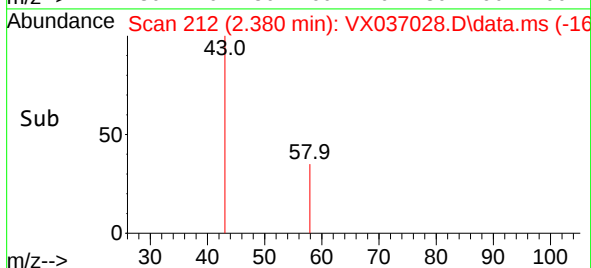
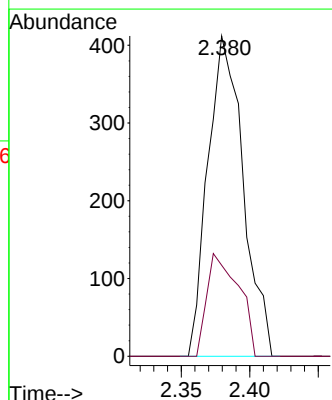
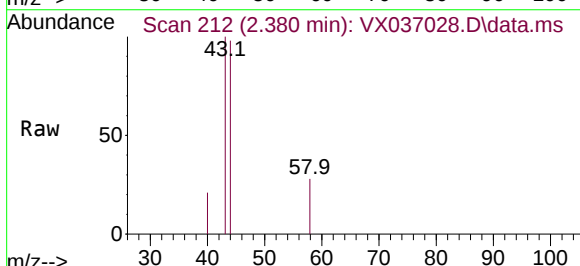
Acq: 16 Aug 2023 19:24

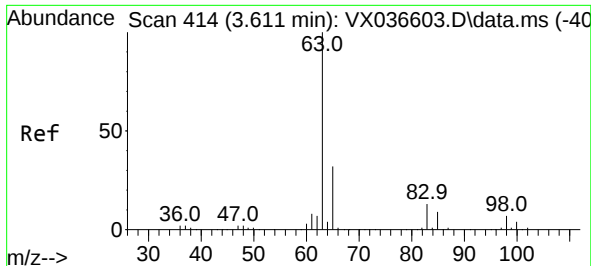
Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

43 100

58 28.4 21.9 32.9

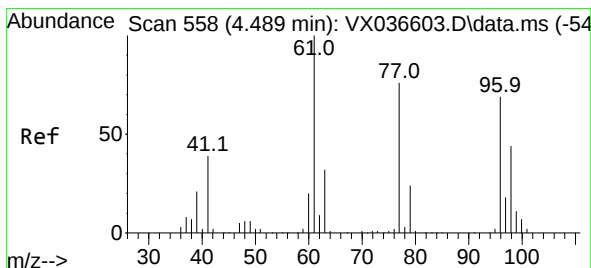
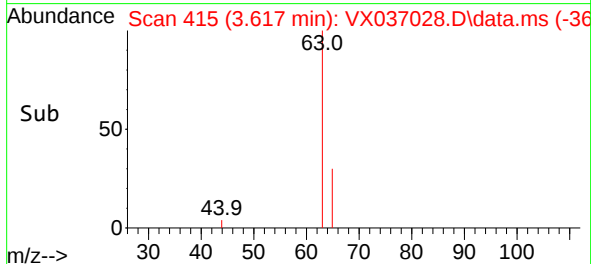
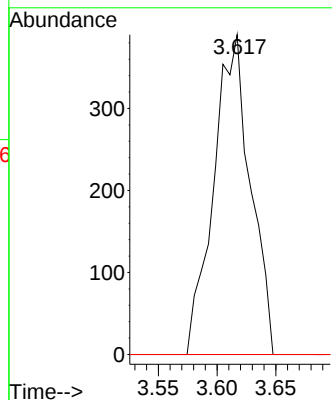
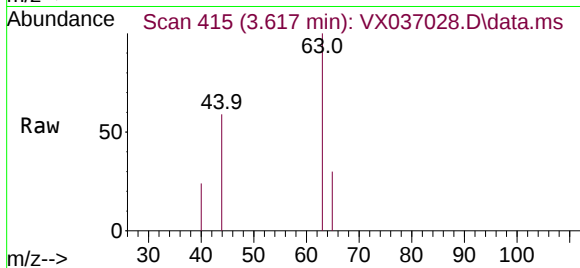




#24
 1,1-Dichloroethane
 Concen: 0.314 ug/l
 RT: 3.617 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX037028.D
 Acq: 16 Aug 2023 19:24

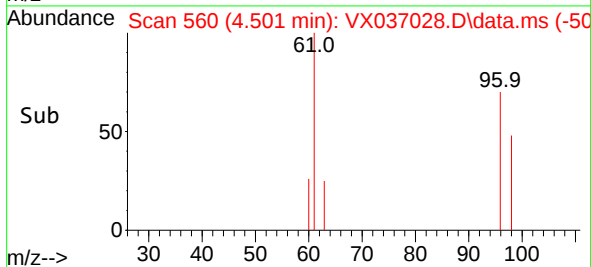
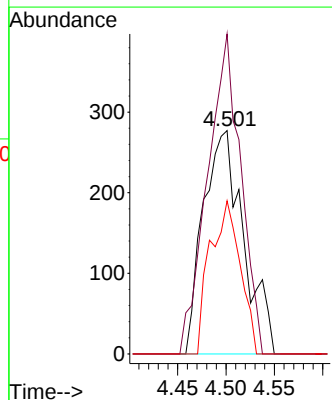
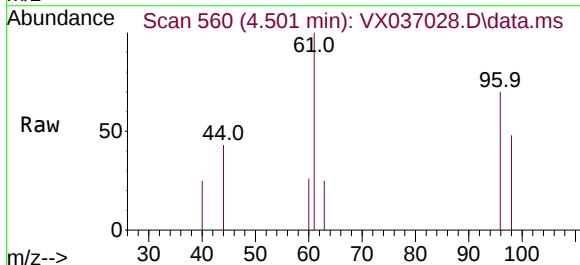
Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20230815

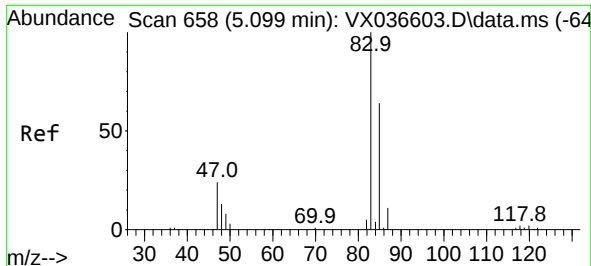
Tgt Ion: 63 Resp: 850
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.468 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.012 min
 Lab File: VX037028.D
 Acq: 16 Aug 2023 19:24

Tgt Ion: 96 Resp: 801
 Ion Ratio Lower Upper
 96 100
 61 118.7 0.0 312.2
 98 51.2 0.0 129.0





#30

Chloroform

Concen: 0.391 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

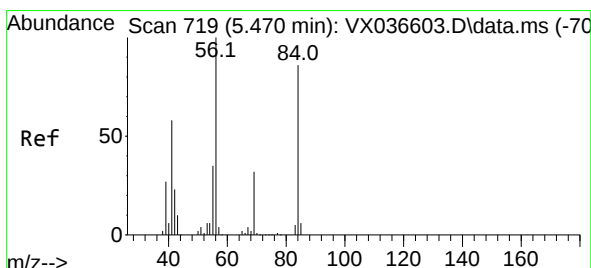
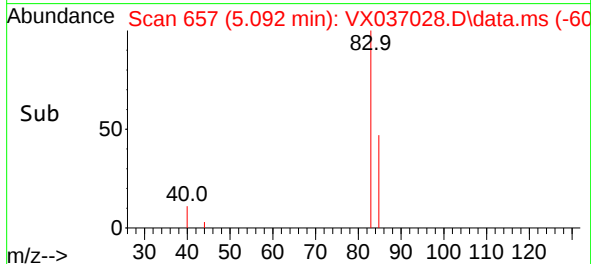
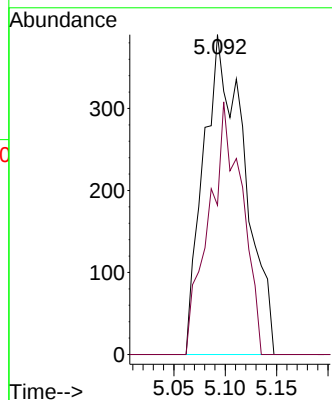
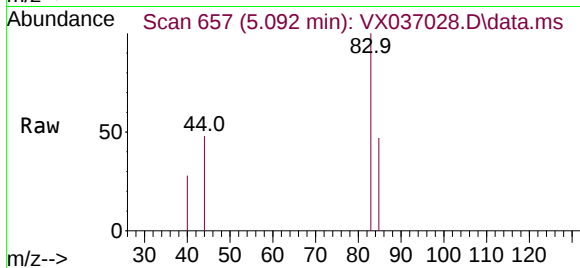
RE103D2-20230815

Tgt Ion: 83 Resp: 1083

Ion Ratio Lower Upper

83 100

85 46.7 50.3 75.5#



#31

Cyclohexane

Concen: 1.081 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.091 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

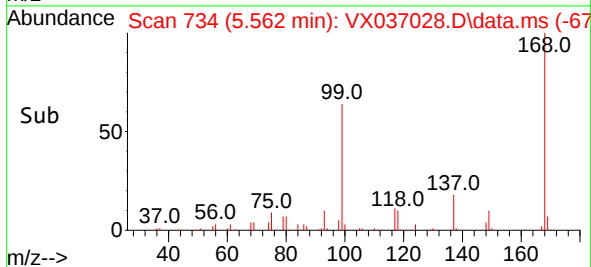
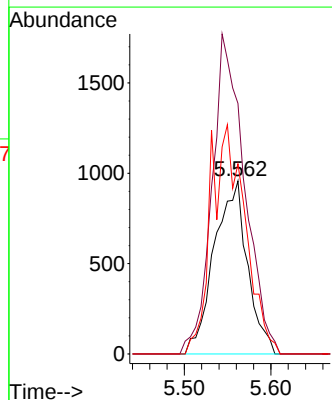
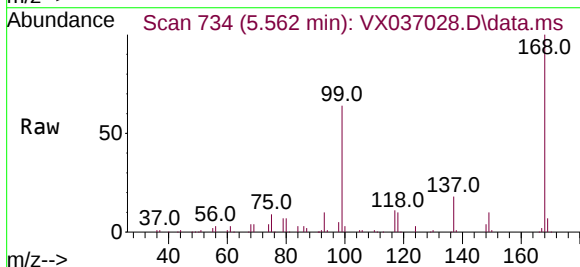
Tgt Ion: 56 Resp: 2551

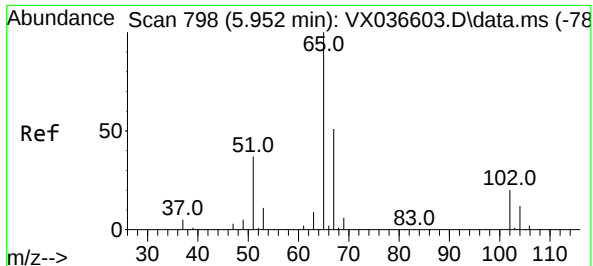
Ion Ratio Lower Upper

56 100

69 144.9 23.4 35.2#

84 109.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.940 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

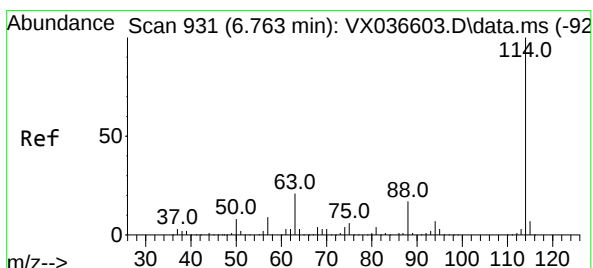
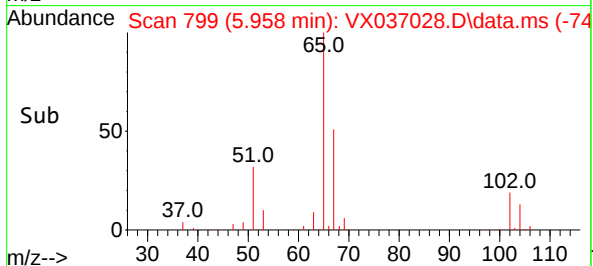
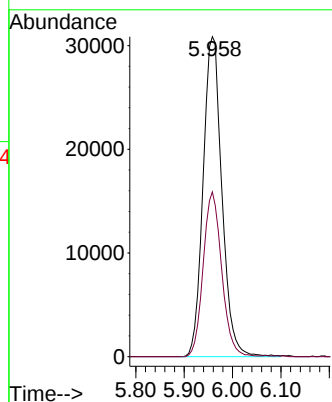
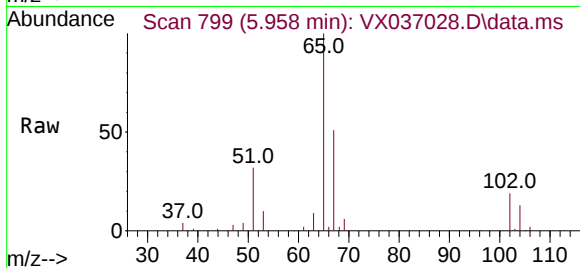
RE103D2-20230815

Tgt Ion: 65 Resp: 83435

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

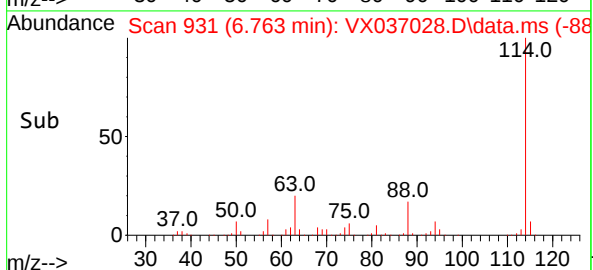
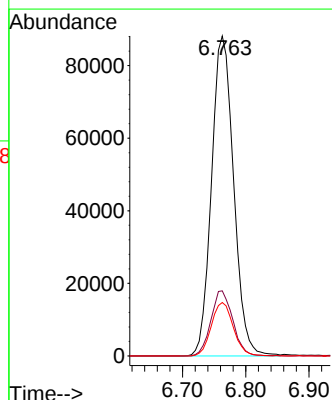
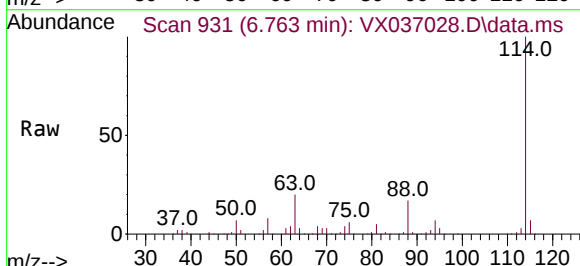
Tgt Ion: 114 Resp: 213864

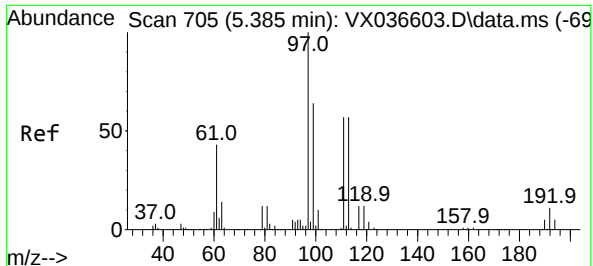
Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.0

88 16.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.585 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037028.D

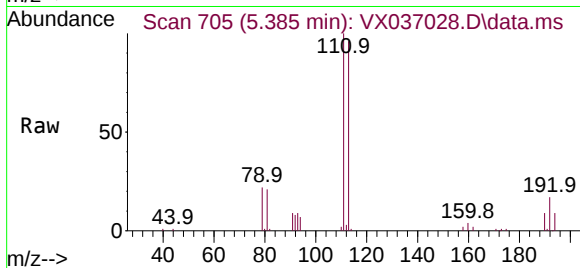
Acq: 16 Aug 2023 19:24

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MSVOA_X

ClientSampleId :

RE103D2-20230815



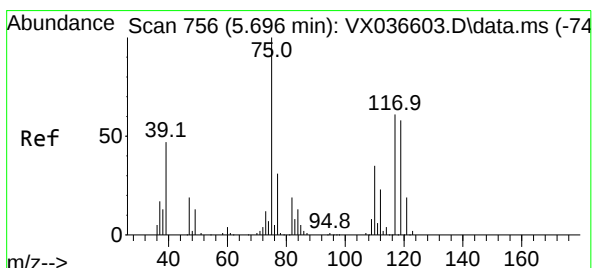
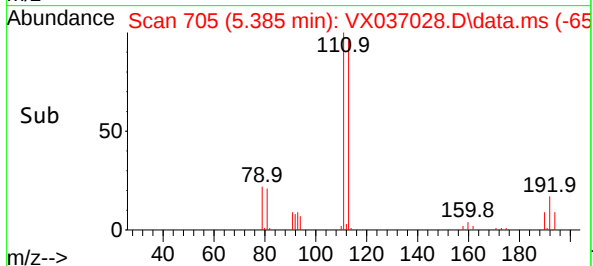
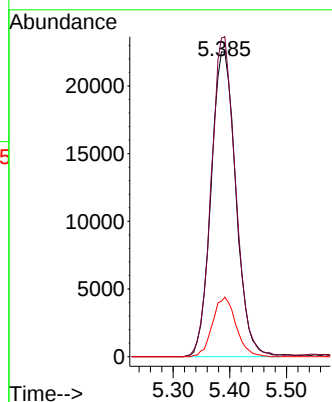
Tgt Ion:113 Resp: 68479

Ion Ratio Lower Upper

113 100

111 102.6 82.9 124.3

192 18.5 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.393 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

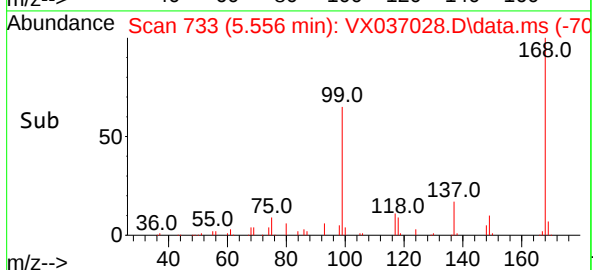
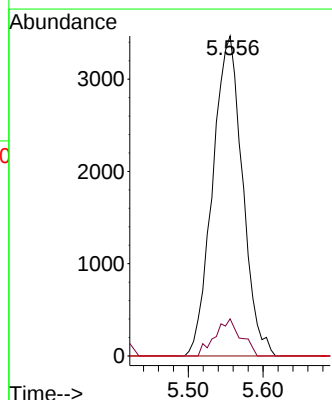
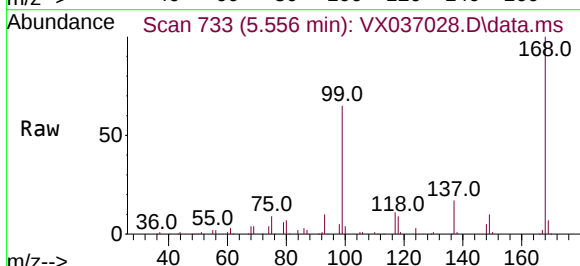
Tgt Ion: 75 Resp: 9625

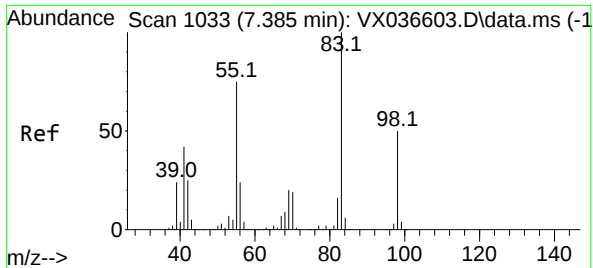
Ion Ratio Lower Upper

75 100

110 10.0 17.0 50.9#

77 0.0 24.7 37.1#

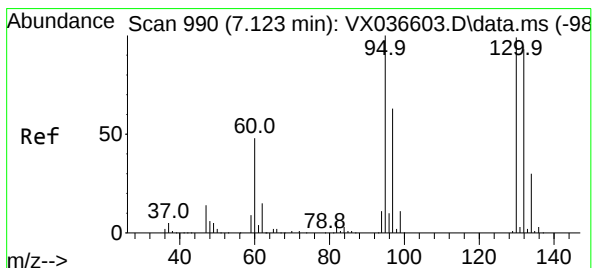
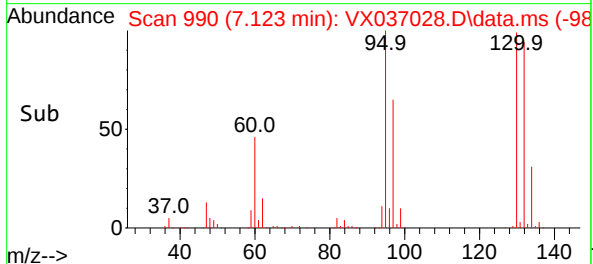
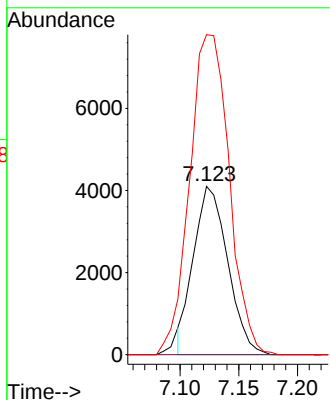
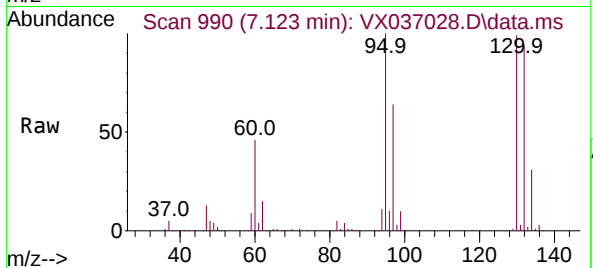




#39
Methylcyclohexane
Concen: 3.048 ug/l
RT: 7.123 min Scan# 991
Delta R.T. -0.262 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

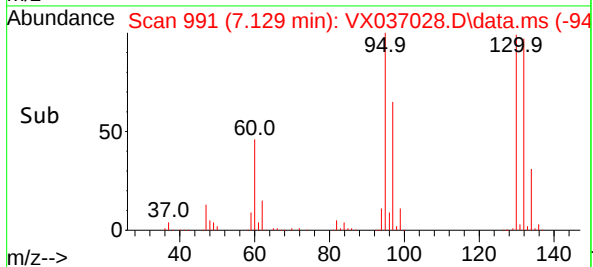
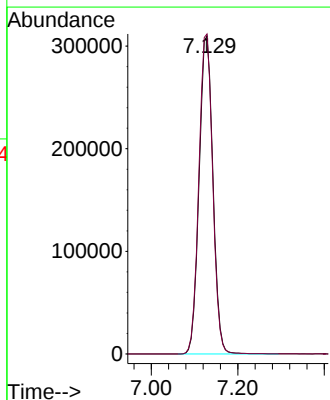
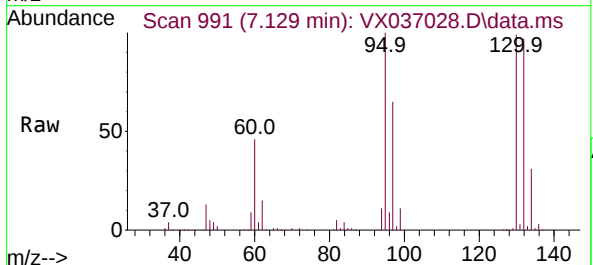
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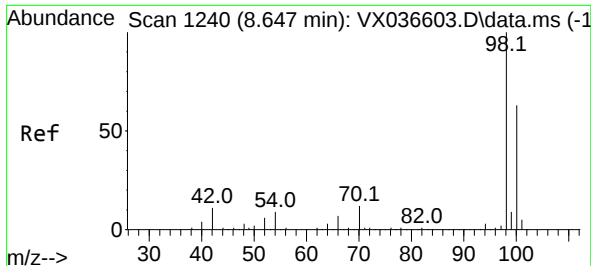
Tgt Ion: 83 Resp: 8303
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 190.1 36.7 55.1#



#44
Trichloroethene
Concen: 411.600 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

Tgt Ion:130 Resp: 685827
Ion Ratio Lower Upper
130 100
95 100.7 0.0 204.4

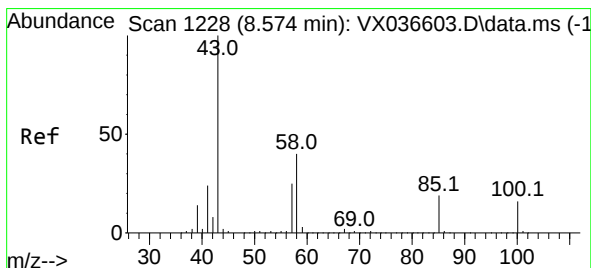
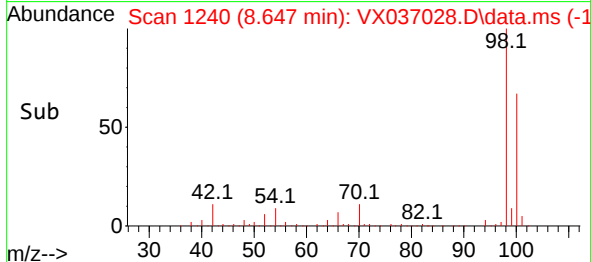
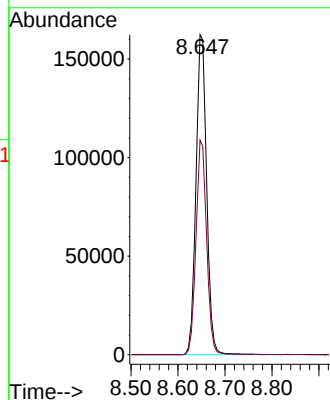
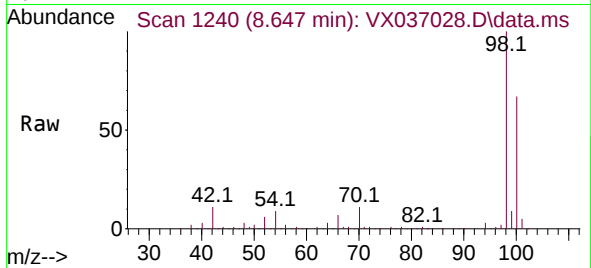




#50
Toluene-d8
Concen: 49.370 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

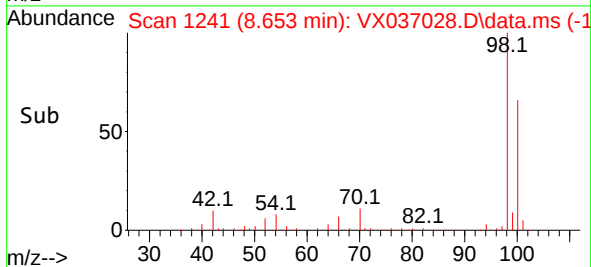
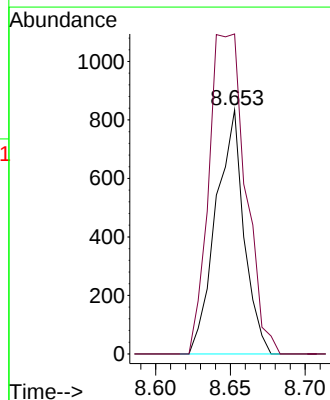
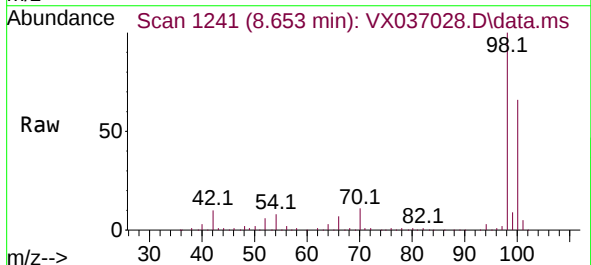
Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230815

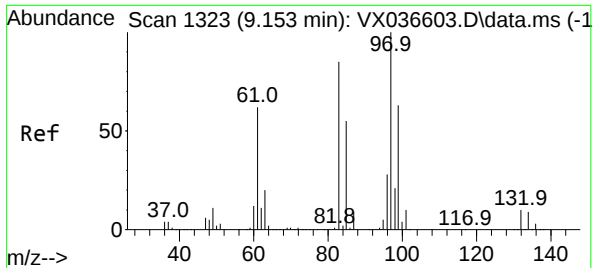
Tgt Ion: 98 Resp: 257362
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.461 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

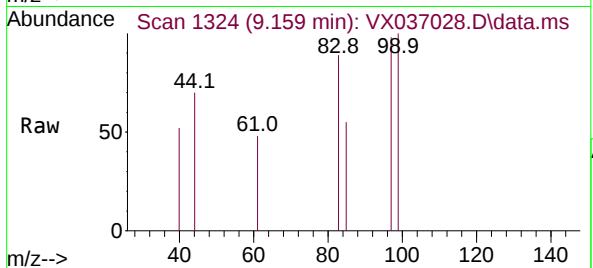
Tgt Ion: 43 Resp: 1088
Ion Ratio Lower Upper
43 100
58 172.0 30.4 45.6#



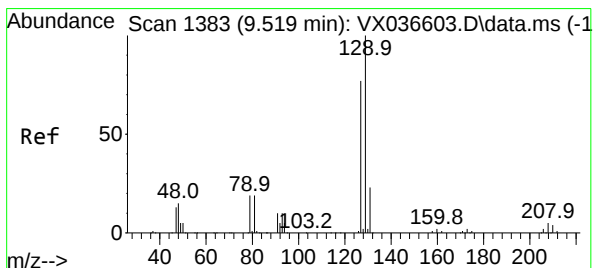
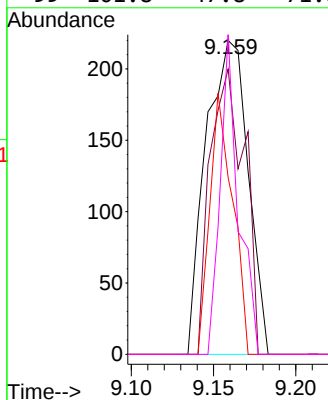
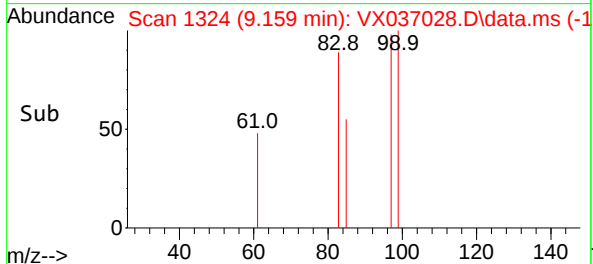


#55
 1,1,2-Trichloroethane
 Concen: 0.233 ug/l
 RT: 9.159 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX037028.D
 Acq: 16 Aug 2023 19:24

Instrument :
 MSVOA_X
 ClientSampleId :
 RE103D2-20230815

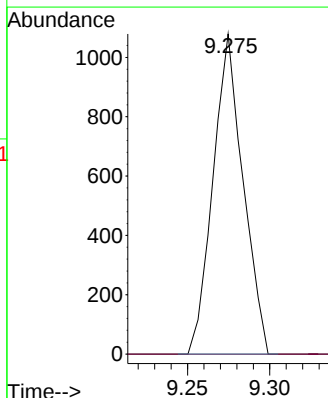
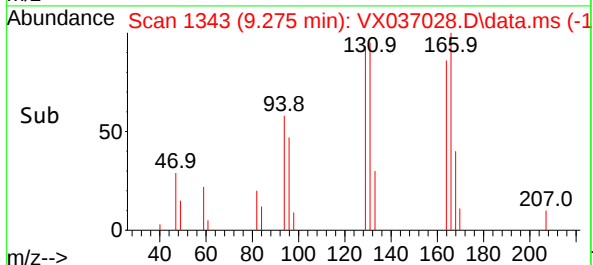
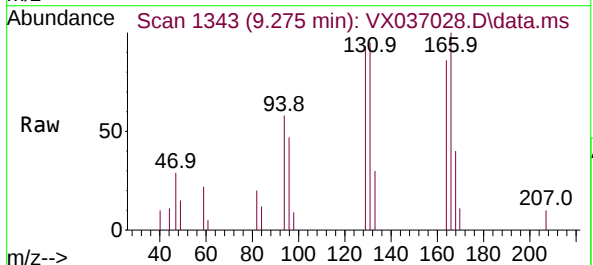


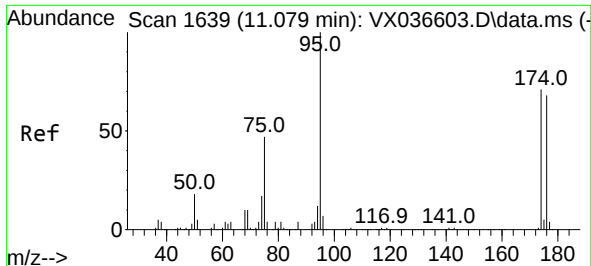
Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.9	65.8	98.8
85	56.4	41.6	62.4
99	101.8	47.8	71.8



#60
 Dibromochloromethane
 Concen: 0.743 ug/l
 RT: 9.275 min Scan# 1343
 Delta R.T. -0.244 min
 Lab File: VX037028.D
 Acq: 16 Aug 2023 19:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.8	116.4





#62

4-Bromofluorobenzene

Concen: 51.622 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

Instrument :

MSVOA_X

ClientSampleId :

RE103D2-20230815

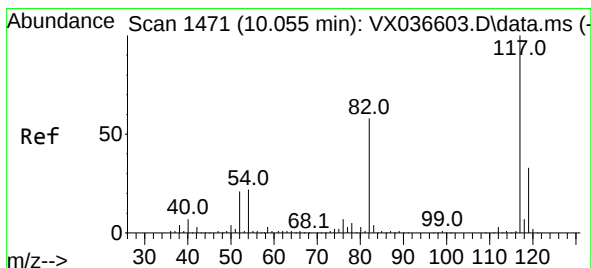
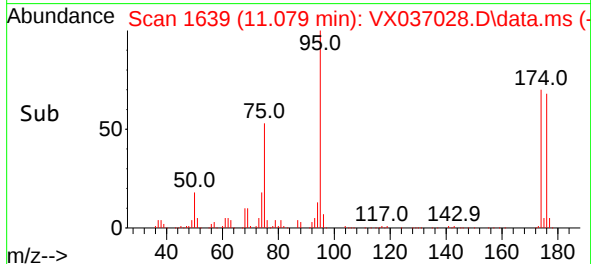
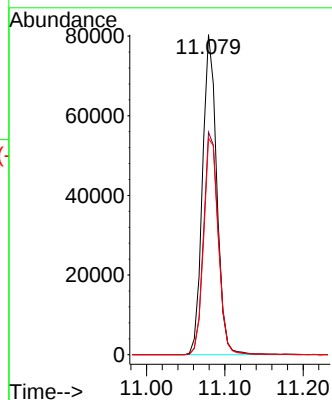
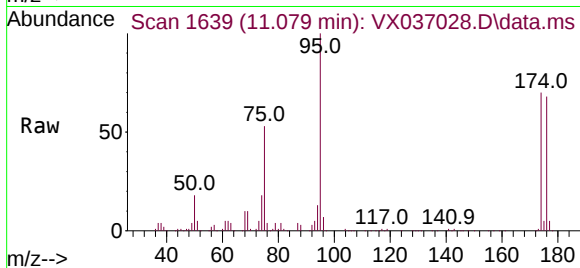
Tgt Ion: 95 Resp: 101526

Ion Ratio Lower Upper

95 100

174 72.1 0.0 135.6

176 69.5 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037028.D

Acq: 16 Aug 2023 19:24

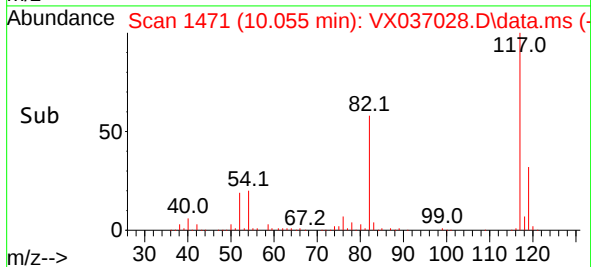
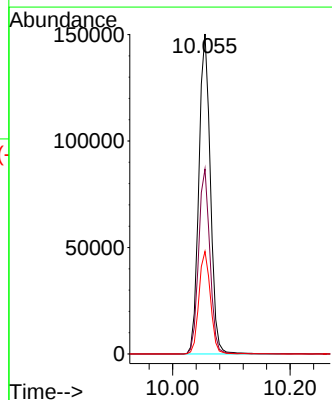
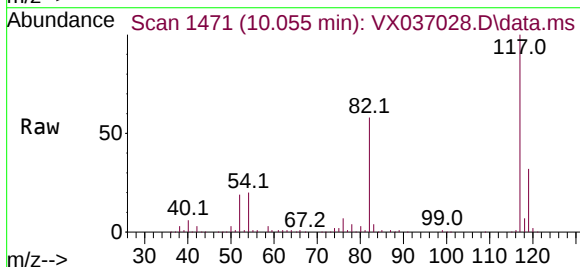
Tgt Ion: 117 Resp: 203800

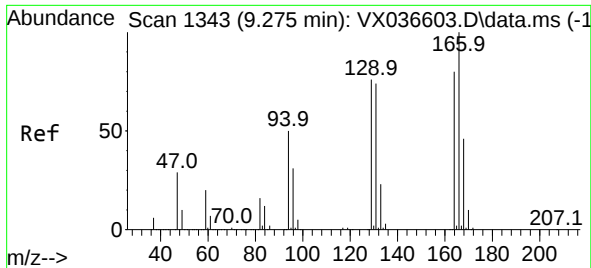
Ion Ratio Lower Upper

117 100

82 57.8 46.2 69.4

119 32.1 25.5 38.3



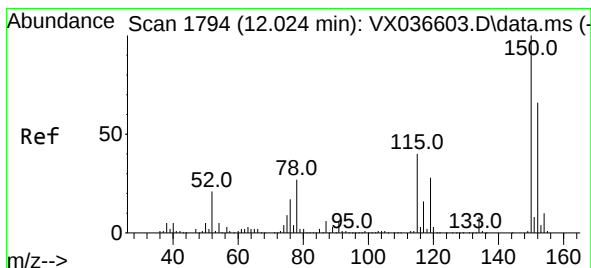
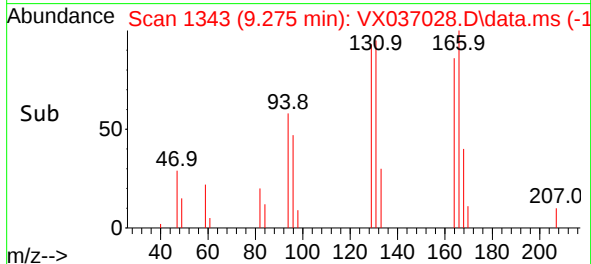
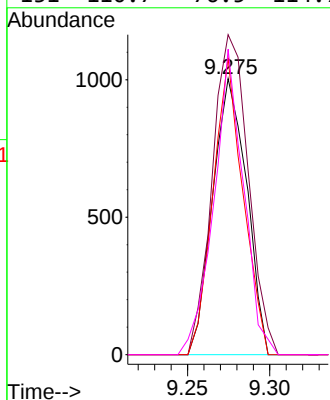
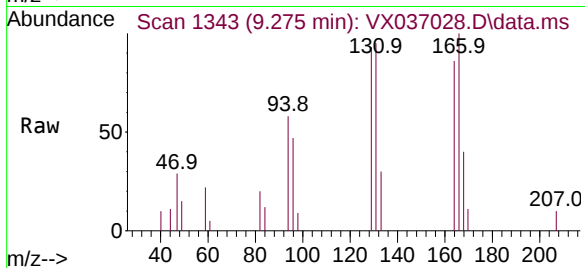


#64
Tetrachloroethene
Concen: 0.947 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230815

Tgt Ion:164 Resp: 1439

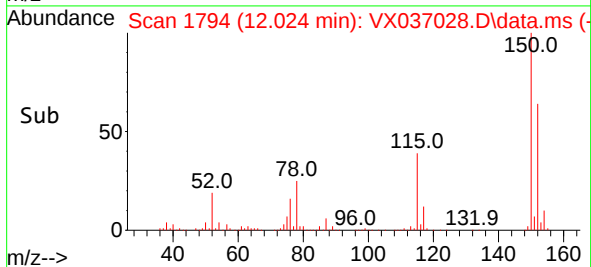
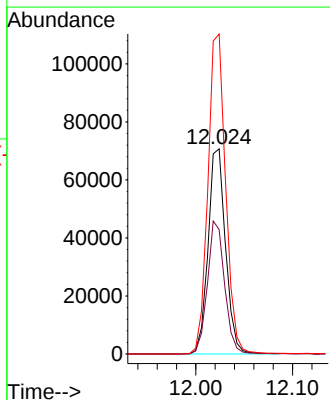
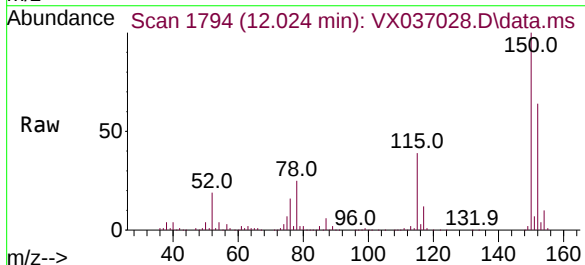
Ion	Ratio	Lower	Upper
164	100		
166	115.9	102.7	154.1
129	107.5	80.4	120.6
131	110.7	76.5	114.7

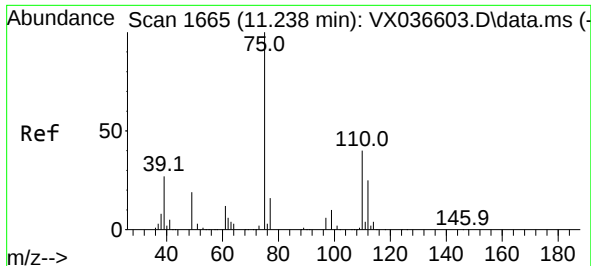


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

Tgt Ion:152 Resp: 89096

Ion	Ratio	Lower	Upper
152	100		
115	63.6	43.3	129.9
150	158.8	0.0	345.0

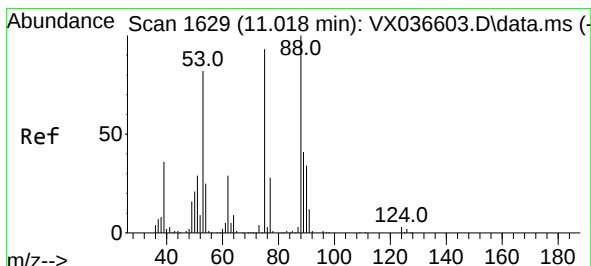
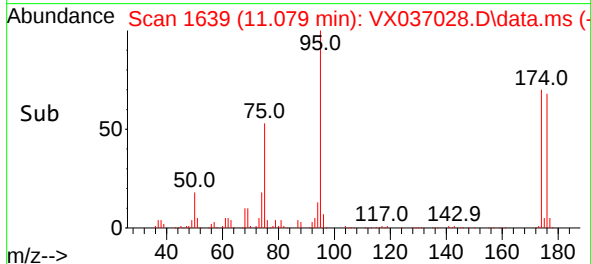
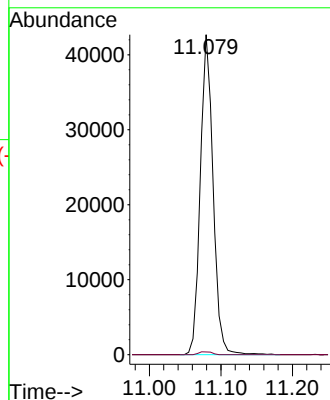
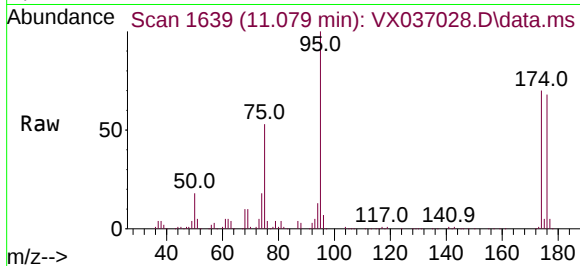




#76
1,2,3-Trichloropropane
Concen: 25.253 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

Instrument :
MSVOA_X
ClientSampleId :
RE103D2-20230815

Tgt Ion: 75 Resp: 52921
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.237 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037028.D
Acq: 16 Aug 2023 19:24

Tgt Ion: 75 Resp: 52921
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

