

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037015.D
 Acq On : 16 Aug 2023 14:11
 Operator : JC/MD
 Sample : 04024-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230815

Quant Time: Aug 17 04:14:54 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)

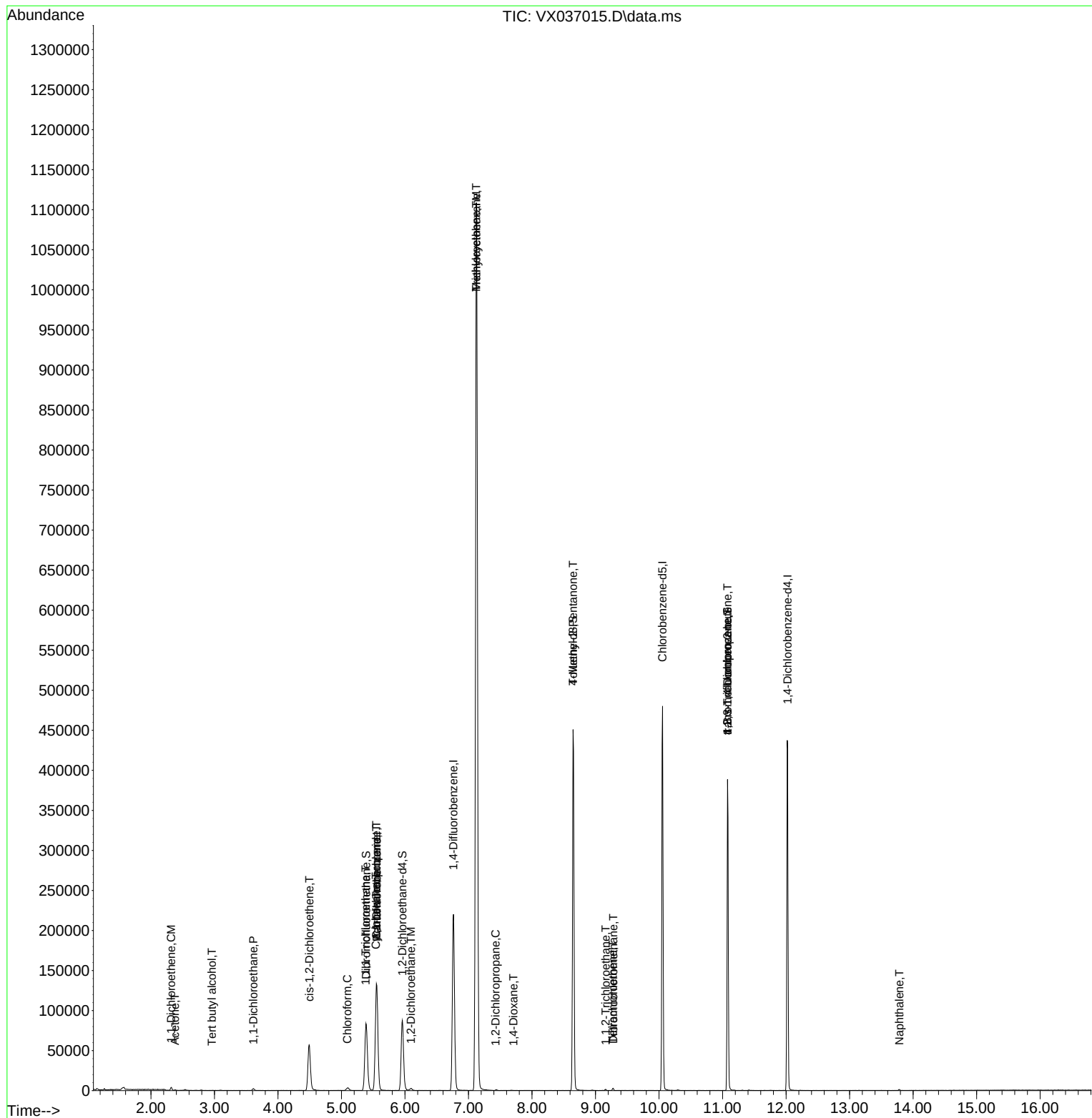
Internal Standards						
1) Pentafluorobenzene	5.556	168	123964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228623	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92376	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88936	48.487	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.980%
35) Dibromofluoromethane	5.385	113	73422	46.723	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.440%
50) Toluene-d8	8.647	98	274598	49.276	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.560%
62) 4-Bromofluorobenzene	11.079	95	105896	50.368	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.740%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	131	0.302	ug/l #	78
12) 1,1-Dichloroethene	2.319	96	1389	1.001	ug/l #	65
16) Acetone	2.380	43	875	1.150	ug/l #	83
24) 1,1-Dichloroethane	3.611	63	2673	0.919	ug/l #	92
27) cis-1,2-Dichloroethene	4.495	96	37965	20.604	ug/l	81
30) Chloroform	5.092	83	4432	1.489	ug/l	94
31) Cyclohexane	5.544	56	2603	1.025	ug/l #	1
32) 1,1,1-Trichloroethane	5.379	97	598	0.219	ug/l #	39
36) 1,1-Dichloropropene	5.550	75	9978	4.260	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13195	5.299	ug/l #	15
39) Methylcyclohexane	7.123	83	5284	1.814	ug/l #	1
42) 1,2-Dichloroethane	6.092	62	3019	1.212	ug/l	94
44) Trichloroethene	7.123	130	429686	241.229	ug/l	99
45) 1,2-Dichloropropane	7.427	63	484	0.266	ug/l #	44
49) 1,4-Dioxane	7.708	88	23	0.536	ug/l #	12
51) 4-Methyl-2-Pentanone	8.647	43	1074	0.425	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	463	0.258	ug/l #	81
60) Dibromochloromethane	9.281	129	448	0.227	ug/l #	11
64) Tetrachloroethene	9.275	164	502	0.312	ug/l #	71
76) 1,2,3-Trichloropropane	11.079	75	54354	25.016	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	54354	56.700	ug/l #	5
95) Naphthalene	13.786	128	1404	0.210	ug/l #	85

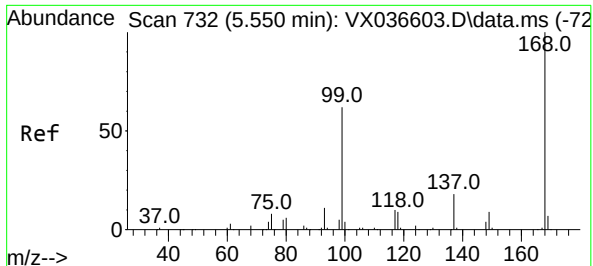
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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RE104D2-20230815

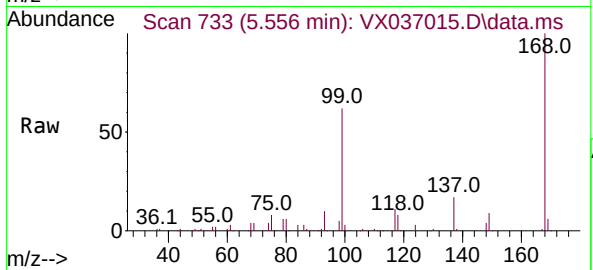
Quant Time: Aug 17 04:14:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
Quant Title : SW846 8260
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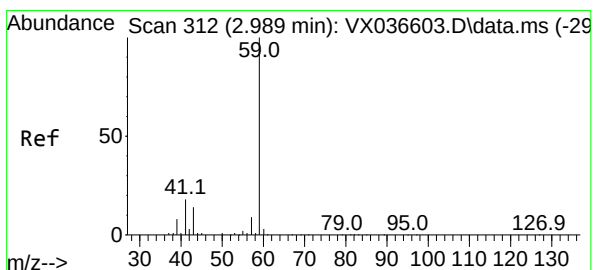
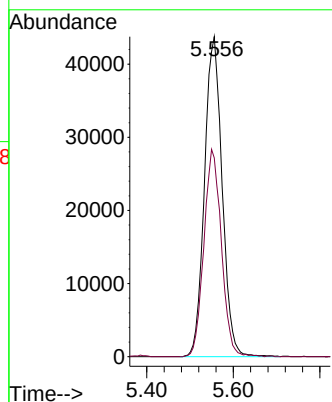
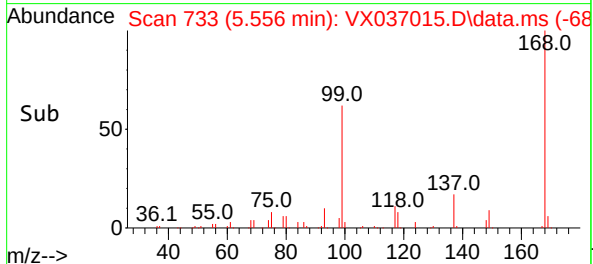


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

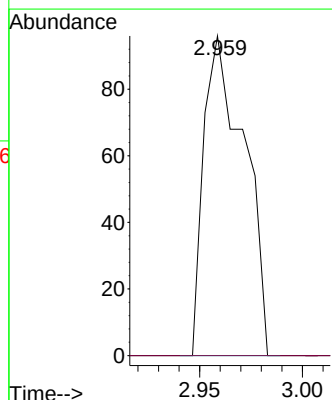
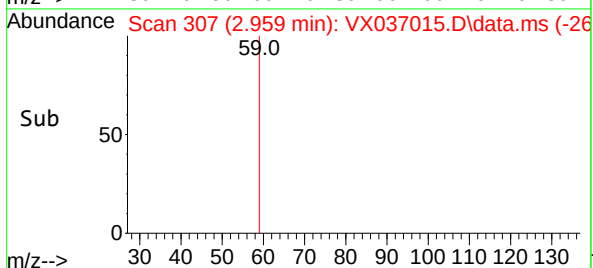
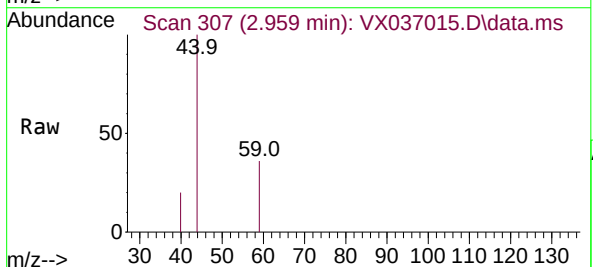


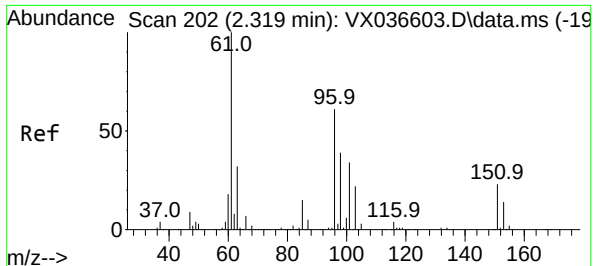
Tgt Ion:168 Resp: 123964
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.302 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.031 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 59 Resp: 131
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

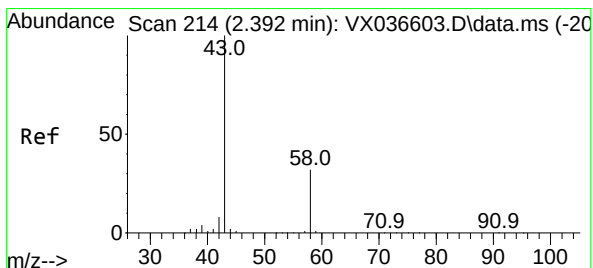
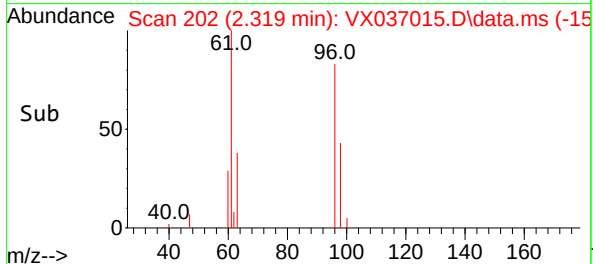
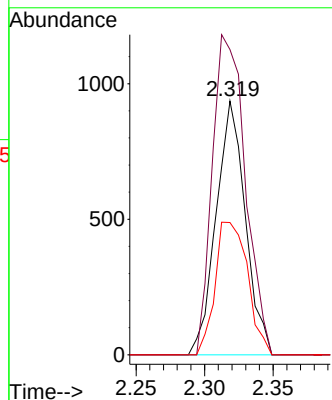
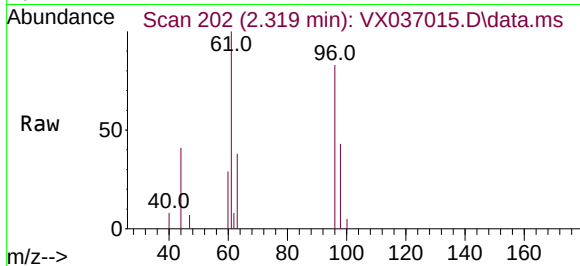




#12
1,1-Dichloroethene
Concen: 1.001 ug/l
RT: 2.319 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

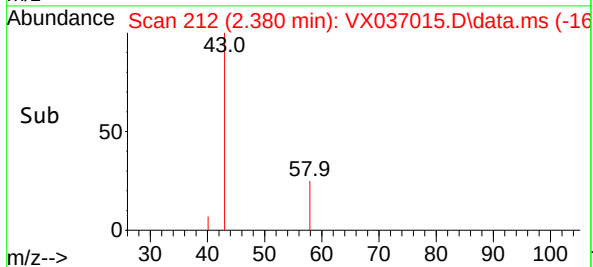
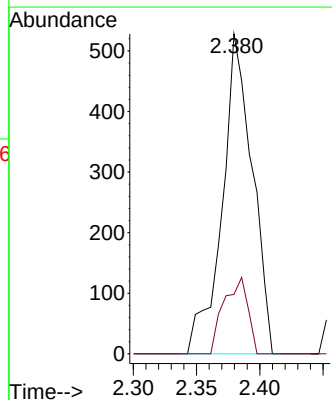
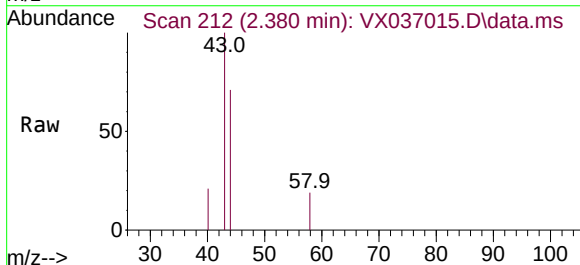
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

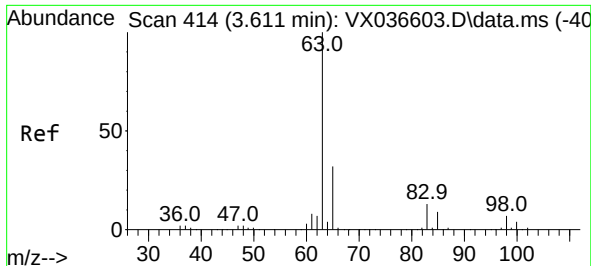
Tgt Ion: 96 Resp: 1389
Ion Ratio Lower Upper
96 100
61 120.3 144.6 216.8#
98 52.1 50.4 75.6



#16
Acetone
Concen: 1.150 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 18.6 21.9 32.9#

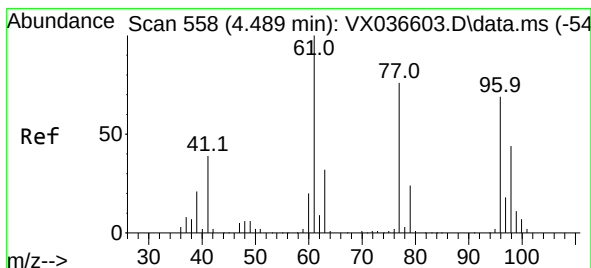
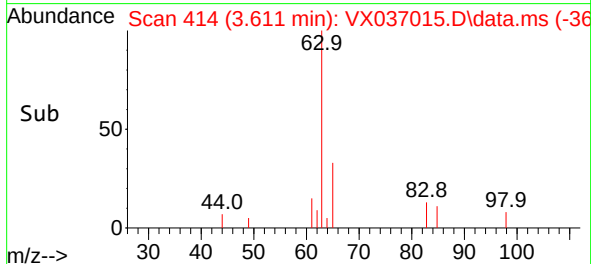
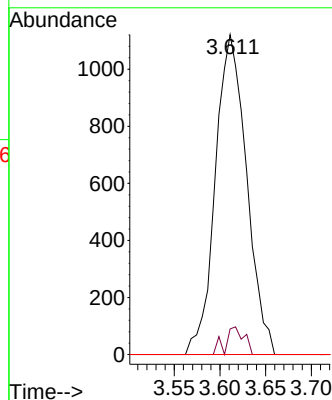
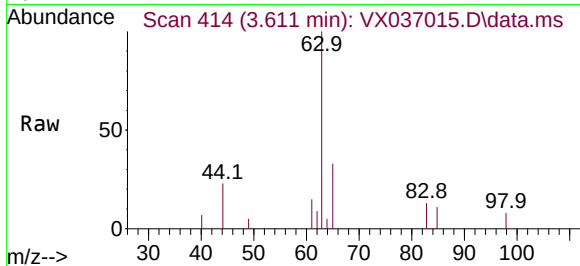




#24
1,1-Dichloroethane
Concen: 0.919 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

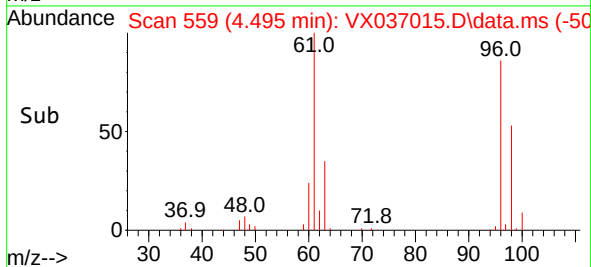
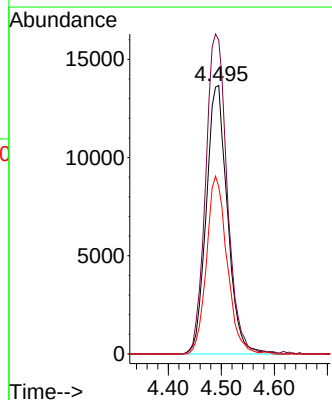
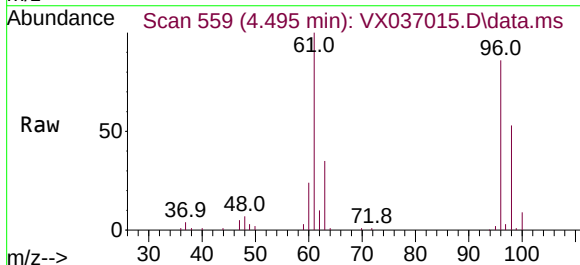
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

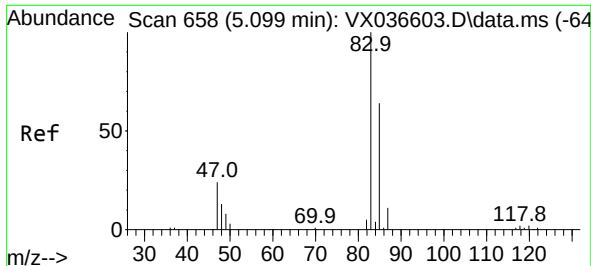
Tgt Ion: 63 Resp: 2673
Ion Ratio Lower Upper
63 100
98 8.0 3.3 9.8
100 0.0 2.1 6.5#



#27
cis-1,2-Dichloroethene
Concen: 20.604 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 96 Resp: 37965
Ion Ratio Lower Upper
96 100
61 121.2 0.0 312.2
98 64.0 0.0 129.0





#30

Chloroform

Concen: 1.489 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX037015.D

Acq: 16 Aug 2023 14:11

Instrument :

MSVOA_X

ClientSampleId :

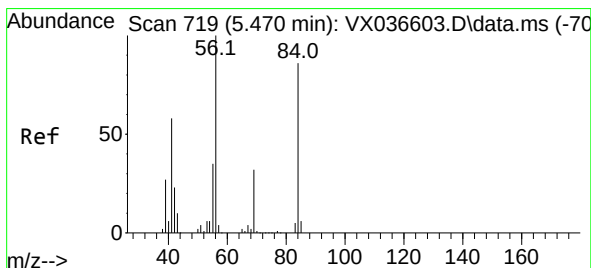
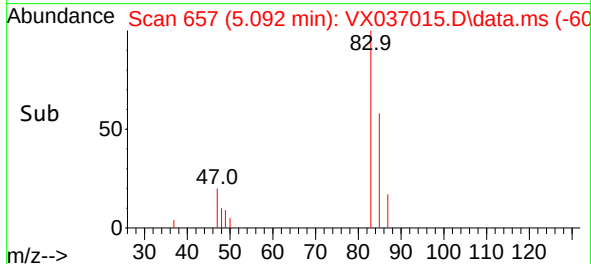
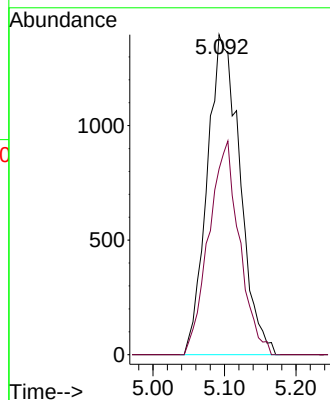
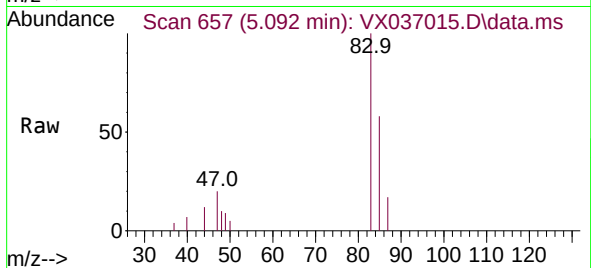
RE104D2-20230815

Tgt Ion: 83 Resp: 4432

Ion Ratio Lower Upper

83 100

85 58.1 50.3 75.5



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037015.D

Acq: 16 Aug 2023 14:11

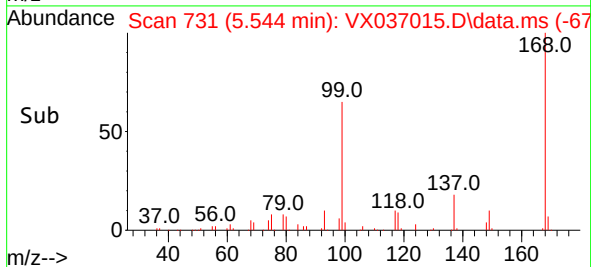
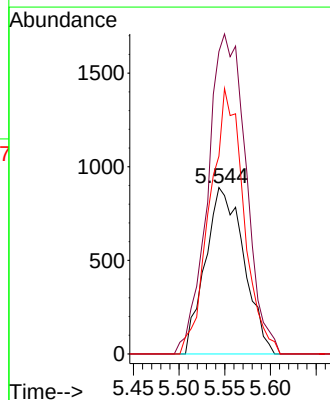
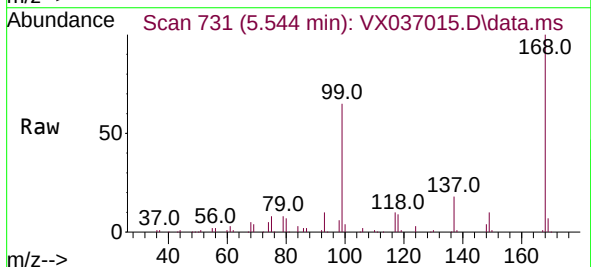
Tgt Ion: 56 Resp: 2603

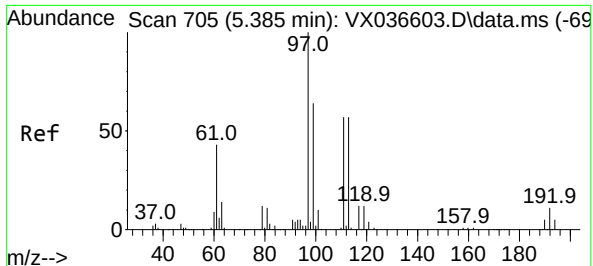
Ion Ratio Lower Upper

56 100

69 181.7 23.4 35.2#

84 118.8 65.9 98.9#

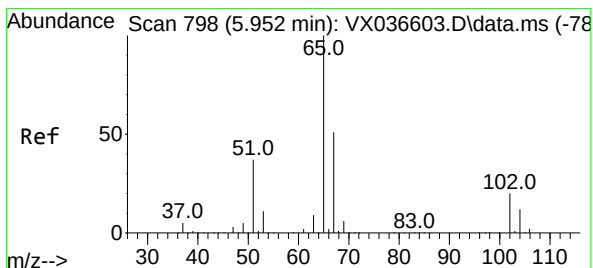
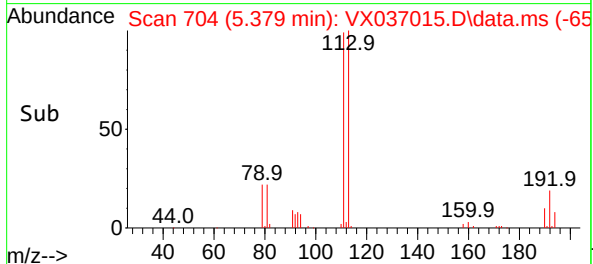
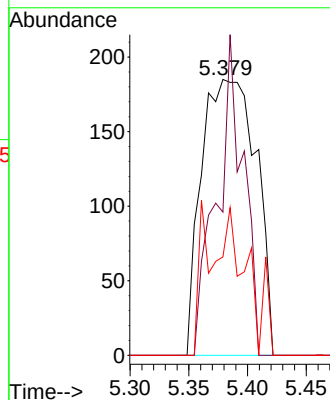
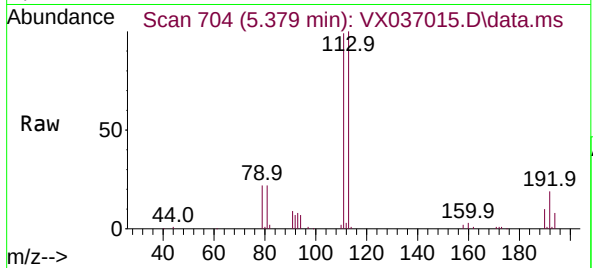




#32
1,1,1-Trichloroethane
Concen: 0.219 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

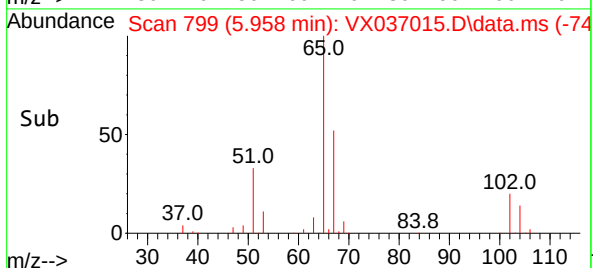
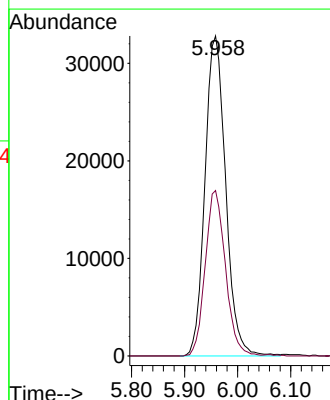
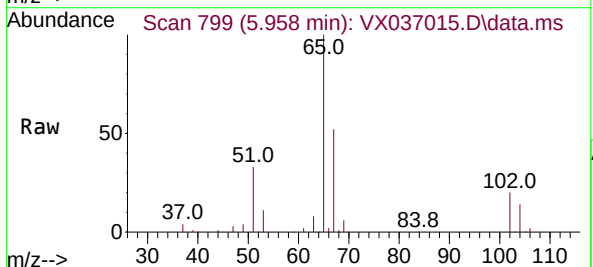
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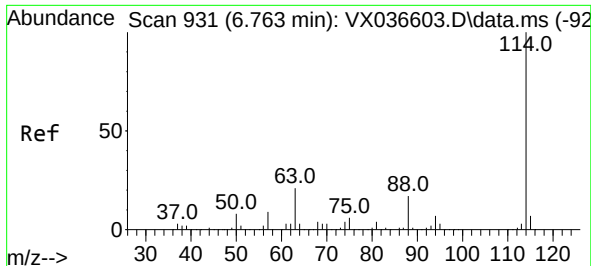
Tgt Ion: 97 Resp: 598
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 25.3 36.4 54.6#



#33
1,2-Dichloroethane-d4
Concen: 48.487 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 65 Resp: 88936
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.2

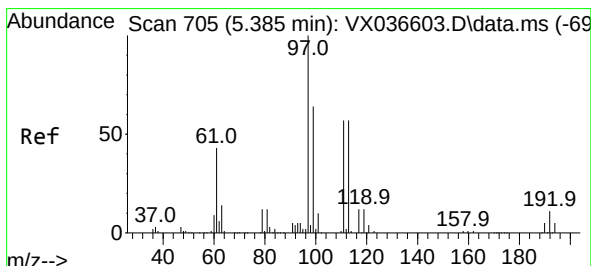
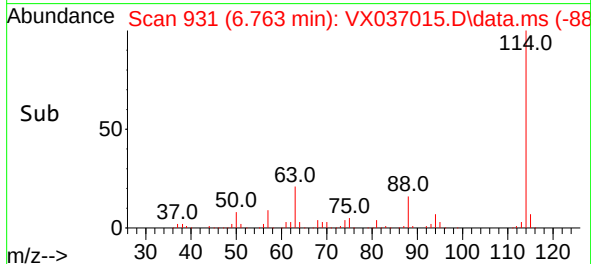
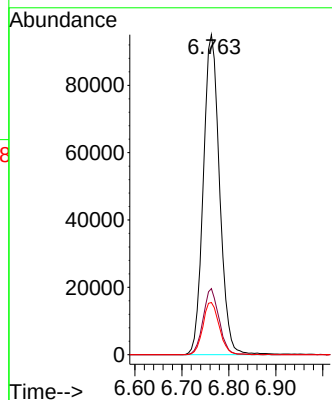
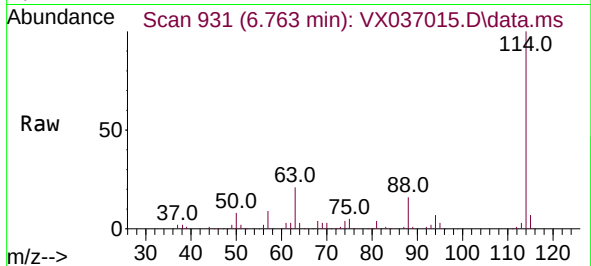




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

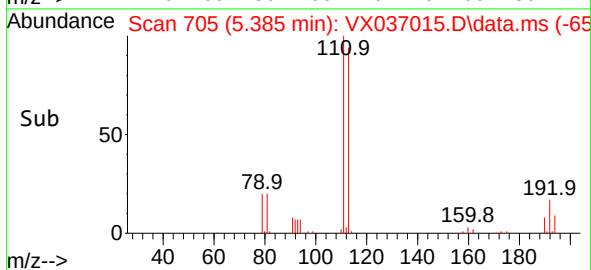
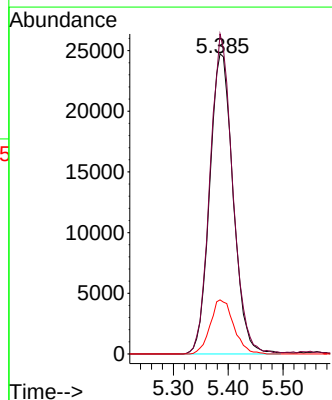
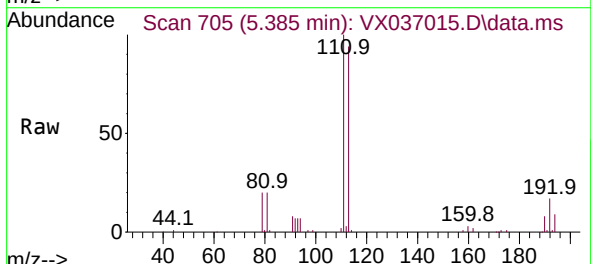
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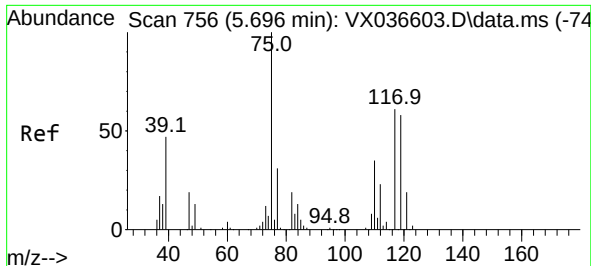
Tgt Ion:114 Resp: 228623
Ion Ratio Lower Upper
114 100
63 20.7 0.0 45.0
88 16.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.723 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion:113 Resp: 73422
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.0 13.3 19.9

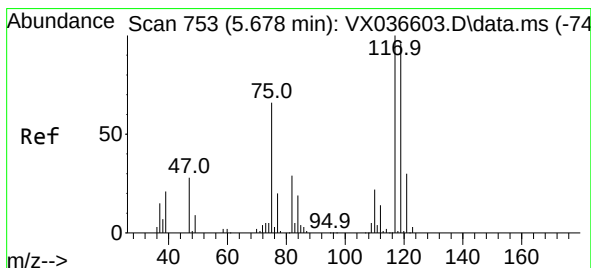
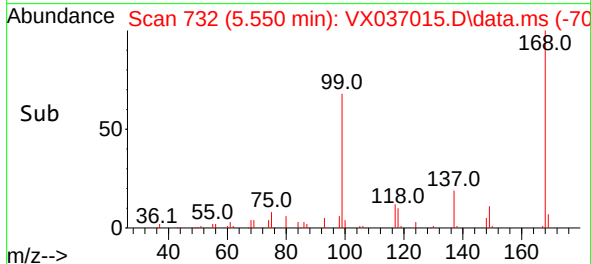
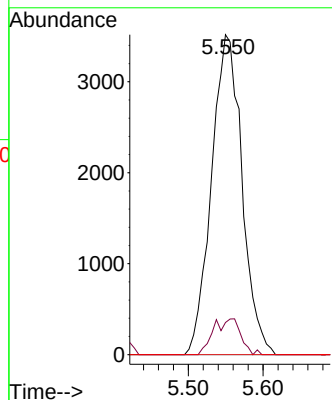
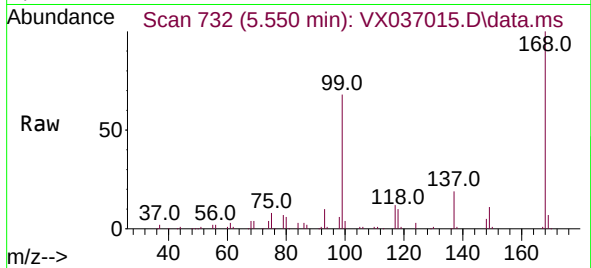




#36
1,1-Dichloropropene
Concen: 4.260 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

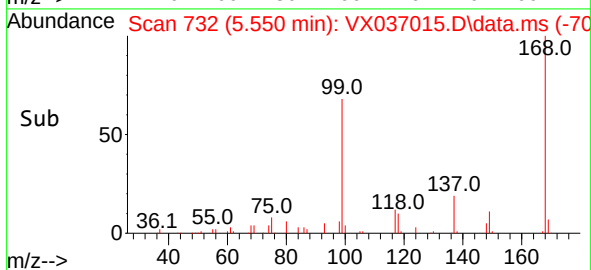
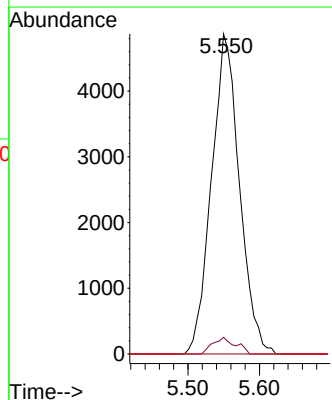
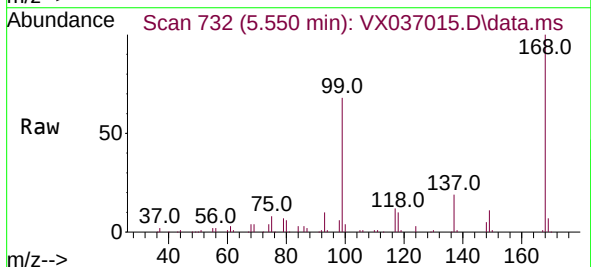
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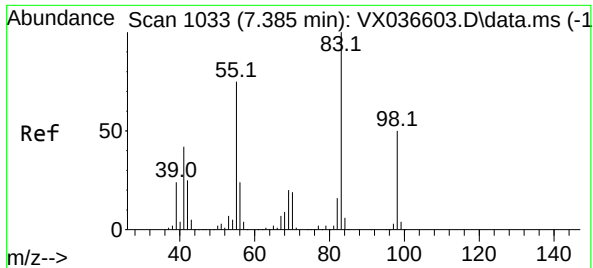
Tgt Ion: 75 Resp: 9978
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.299 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 117 Resp: 13195
Ion Ratio Lower Upper
117 100
119 5.2 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 1.814 ug/l

RT: 7.123 min Scan# 91

Delta R.T. -0.262 min

Lab File: VX037015.D

Acq: 16 Aug 2023 14:11

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230815

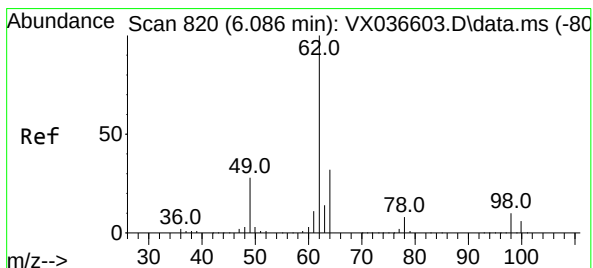
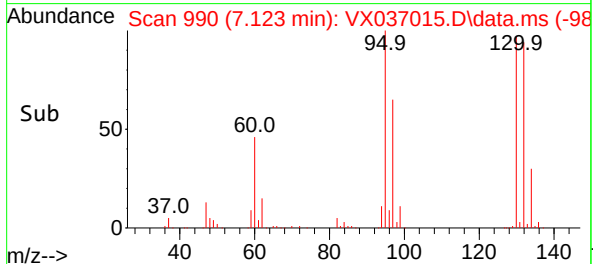
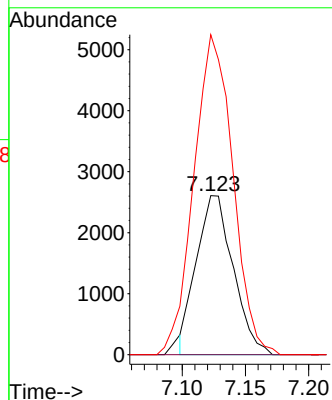
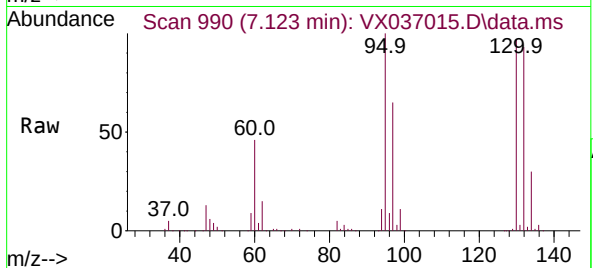
Tgt Ion: 83 Resp: 5284

Ion Ratio Lower Upper

83 100

55 0.0 64.6 97.0#

98 201.2 36.7 55.1#



#42

1,2-Dichloroethane

Concen: 1.212 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX037015.D

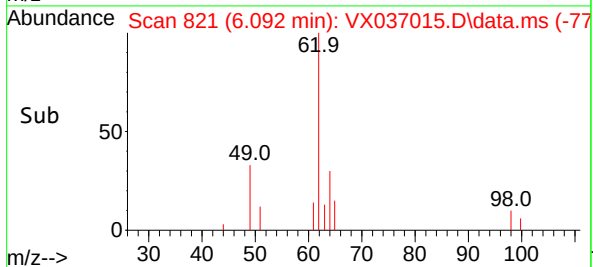
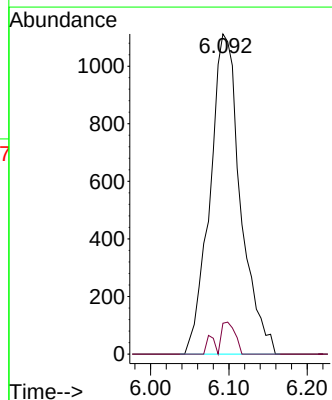
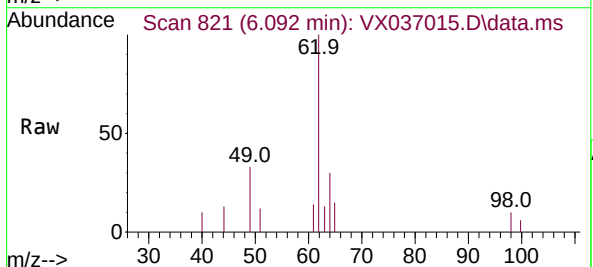
Acq: 16 Aug 2023 14:11

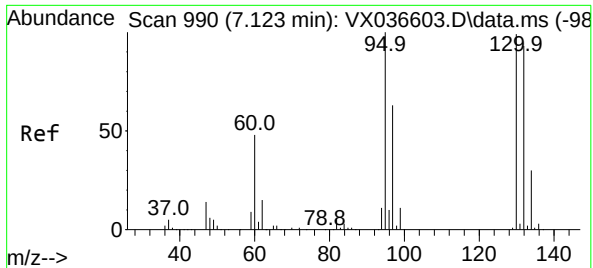
Tgt Ion: 62 Resp: 3019

Ion Ratio Lower Upper

62 100

98 5.9 0.0 16.0

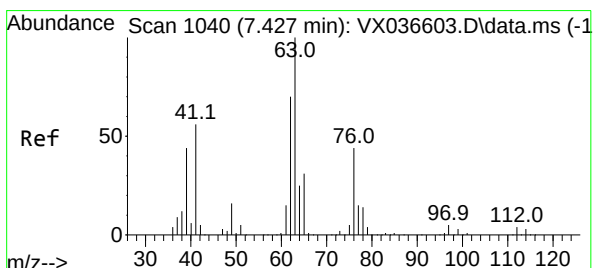
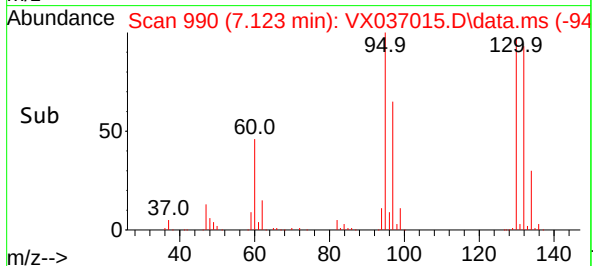
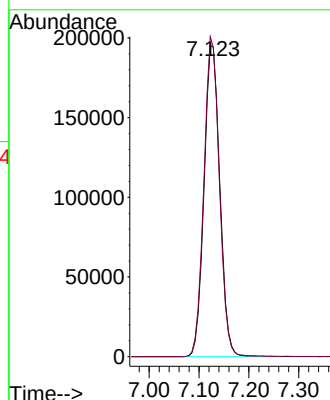
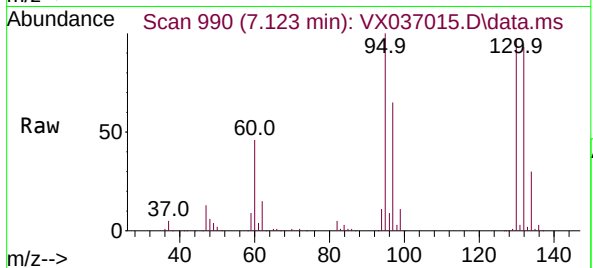




#44
Trichloroethene
Concen: 241.229 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

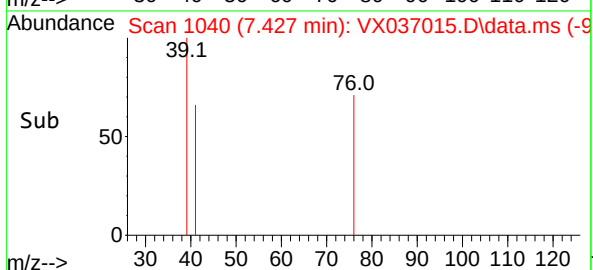
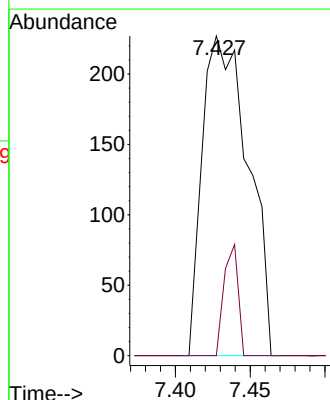
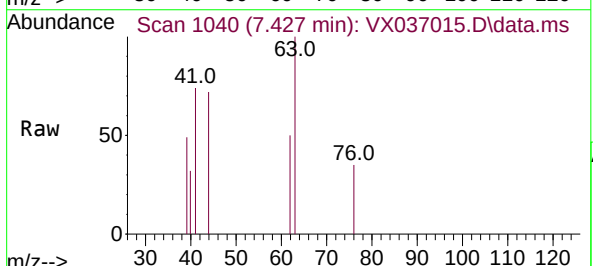
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

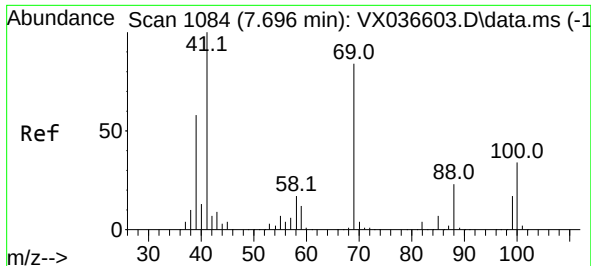
Tgt Ion:130 Resp: 429686
Ion Ratio Lower Upper
130 100
95 102.9 0.0 204.4



#45
1,2-Dichloropropane
Concen: 0.266 ug/l
RT: 7.427 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 63 Resp: 484
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#





#49

1,4-Dioxane

Concen: 0.536 ug/l

RT: 7.708 min Scan# 1084

Delta R.T. 0.012 min

Lab File: VX037015.D

Acq: 16 Aug 2023 14:11

Instrument :

MSVOA_X

ClientSampleId :

RE104D2-20230815

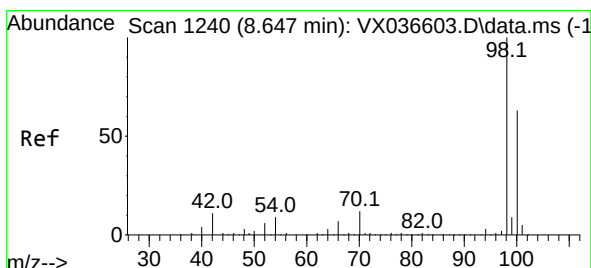
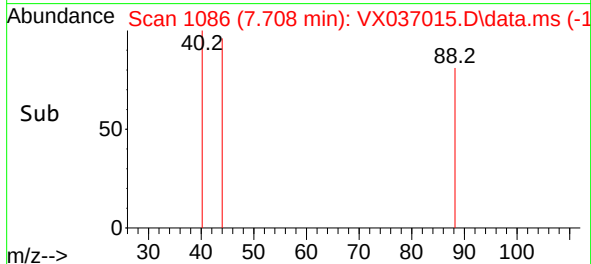
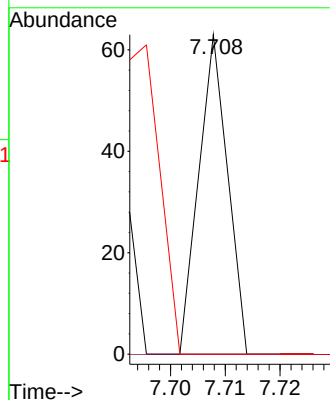
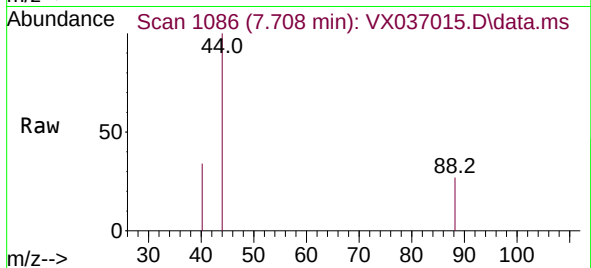
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#



#50

Toluene-d8

Concen: 49.276 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037015.D

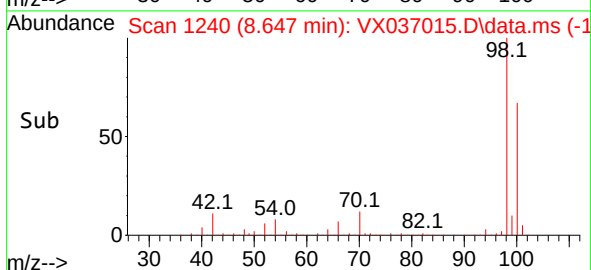
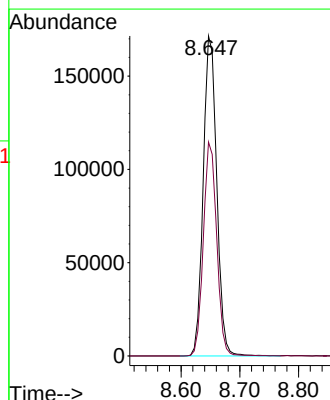
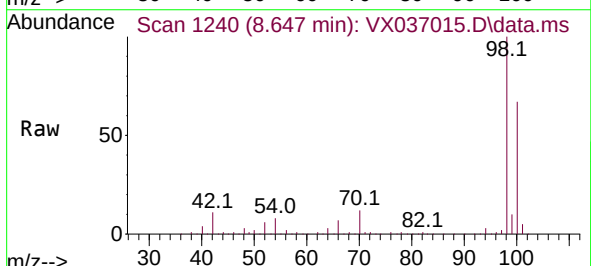
Acq: 16 Aug 2023 14:11

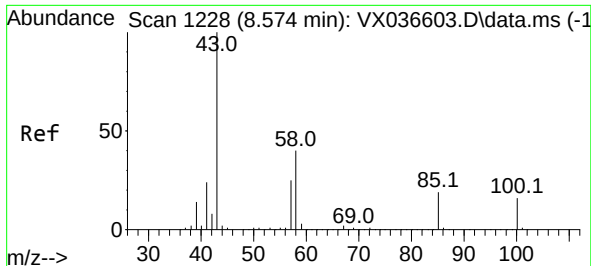
Tgt Ion: 98 Resp: 274598

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7

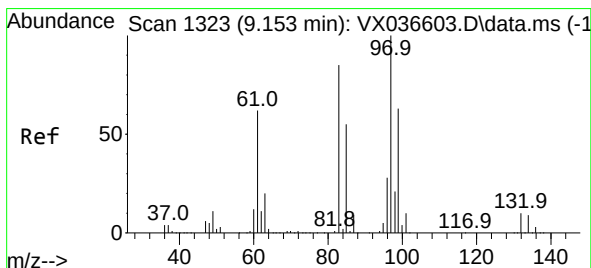
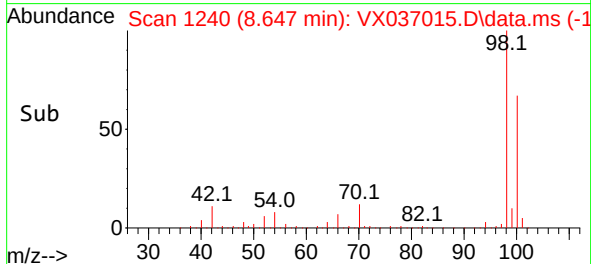
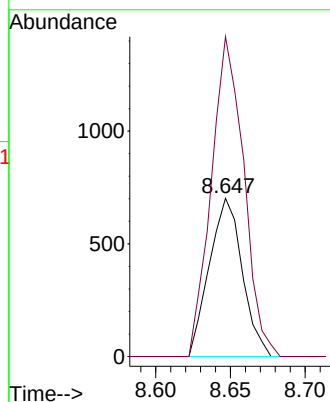
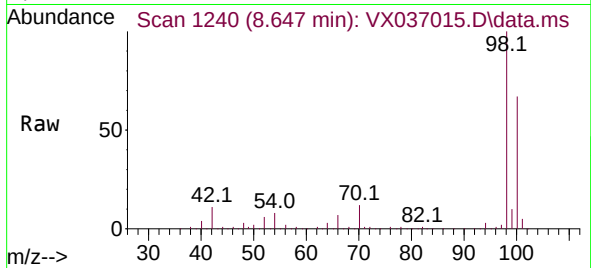




#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

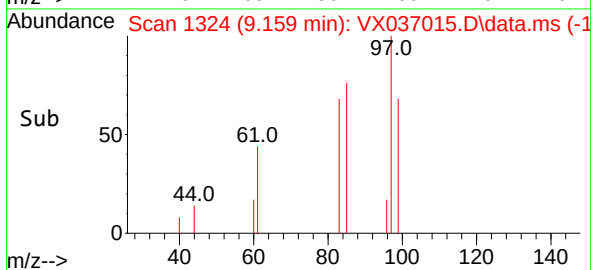
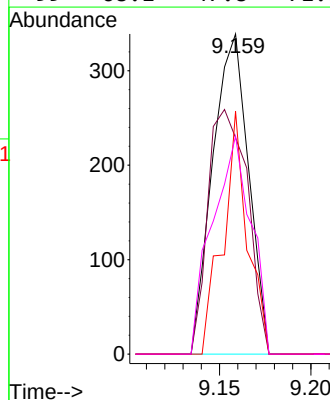
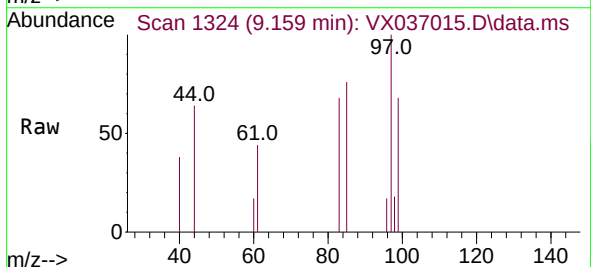
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

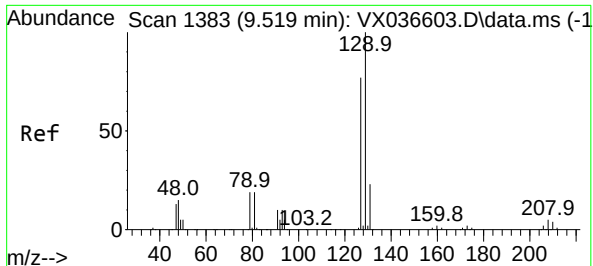
Tgt Ion: 43 Resp: 1074
Ion Ratio Lower Upper
43 100
58 199.7 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.258 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 97 Resp: 463
Ion Ratio Lower Upper
97 100
83 67.6 65.8 98.8
85 75.8 41.6 62.4#
99 68.1 47.8 71.8

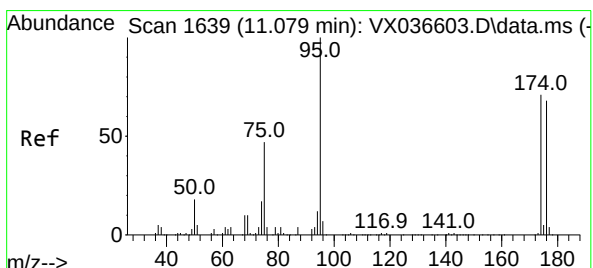
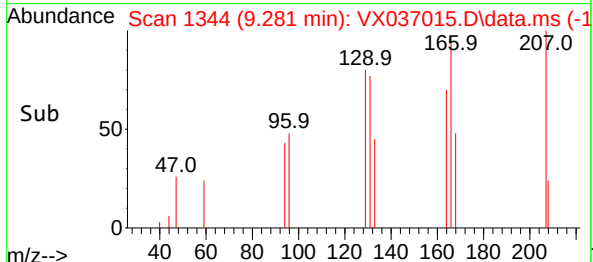
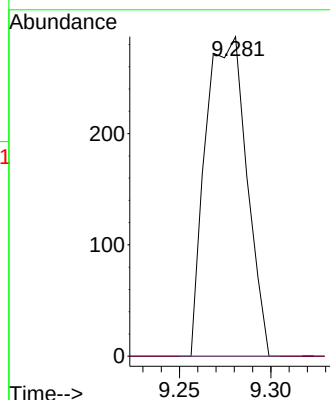
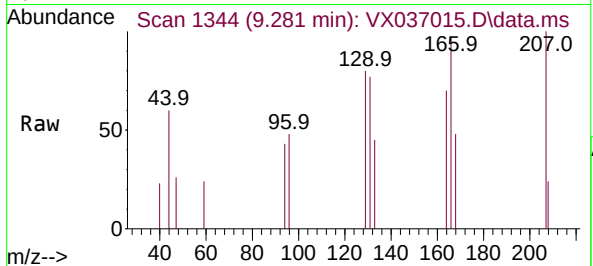




#60
Dibromochloromethane
Concen: 0.227 ug/l
RT: 9.281 min Scan# 11
Delta R.T. -0.238 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

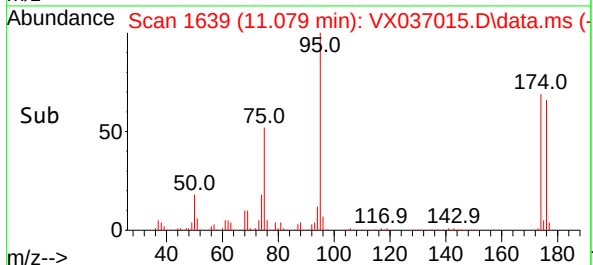
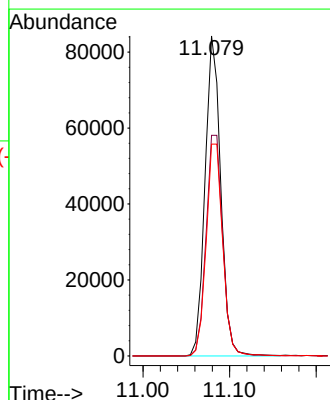
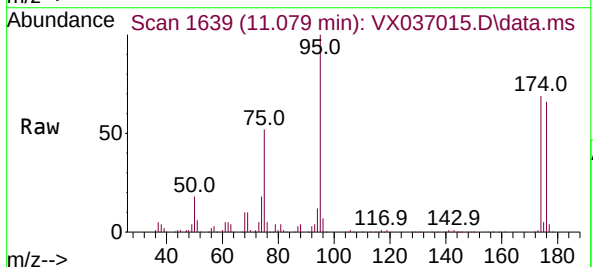
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

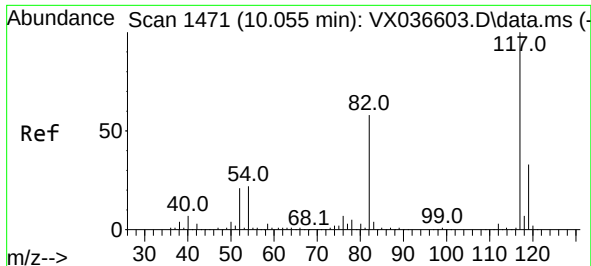
Tgt Ion:129 Resp: 448
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.368 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 95 Resp: 105896
Ion Ratio Lower Upper
95 100
174 73.3 0.0 135.6
176 70.1 0.0 131.0

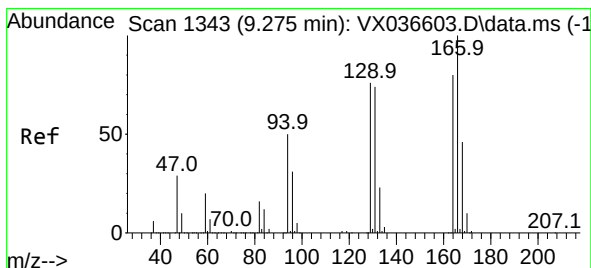
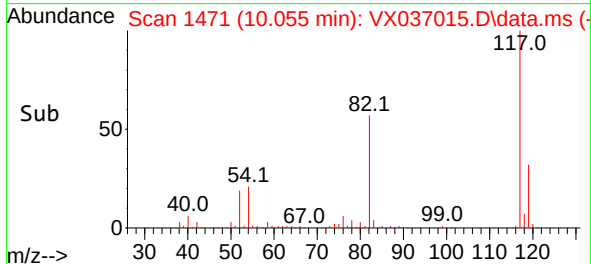
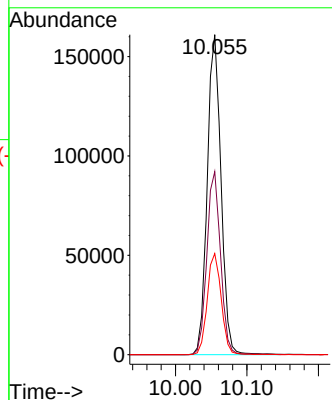
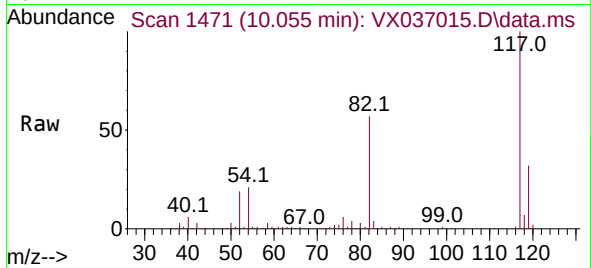




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

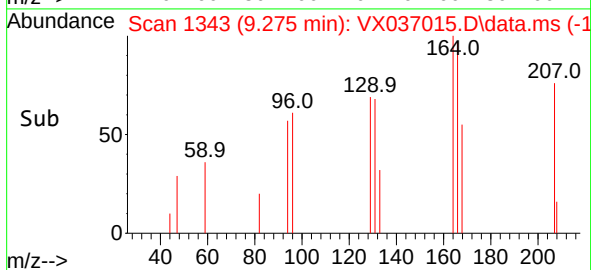
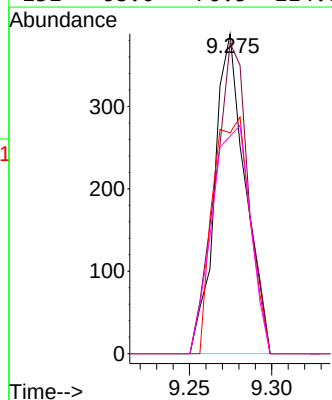
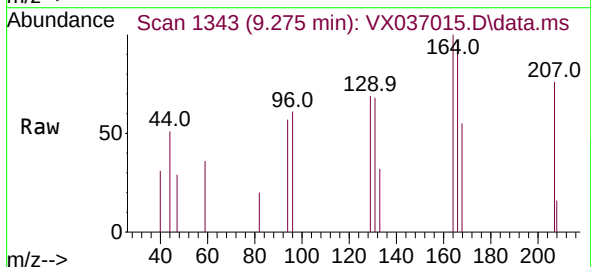
Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

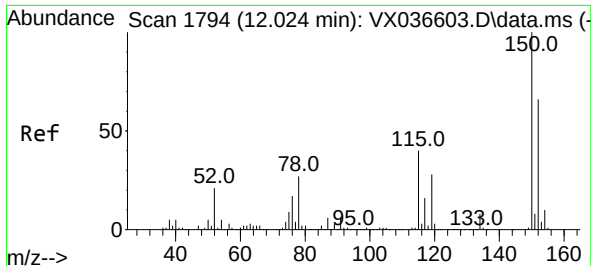
Tgt Ion:117 Resp: 215566
Ion Ratio Lower Upper
117 100
82 57.2 46.2 69.4
119 31.6 25.5 38.3



#64
Tetrachloroethene
Concen: 0.312 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

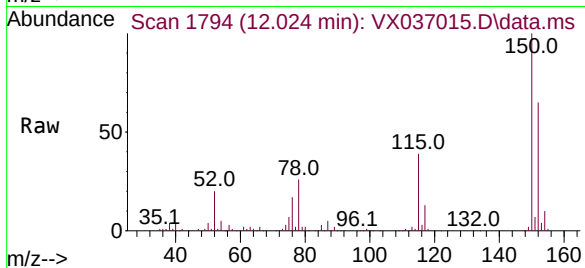
Tgt Ion:164 Resp: 502
Ion Ratio Lower Upper
164 100
166 97.2 102.7 154.1#
129 69.1 80.4 120.6#
131 68.0 76.5 114.7#



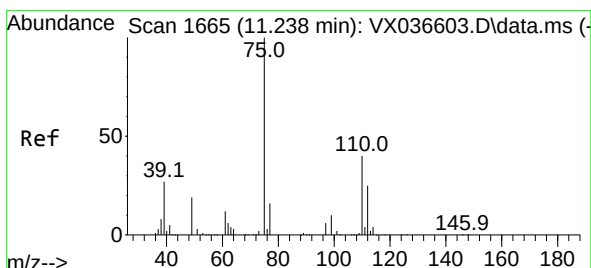
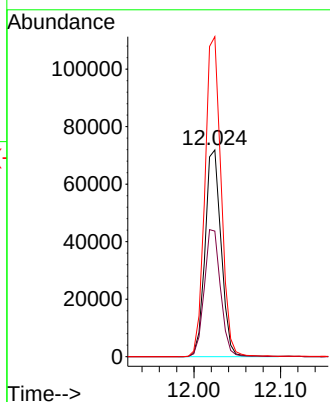
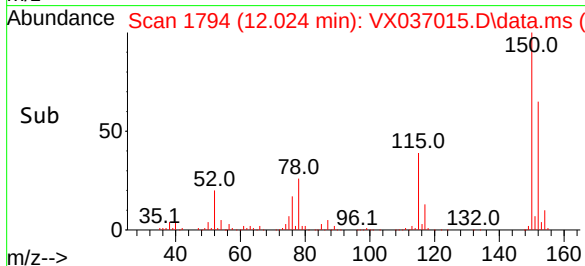


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037015.D
 Acq: 16 Aug 2023 14:11

Instrument :
 MSVOA_X
 ClientSampleId :
 RE104D2-20230815

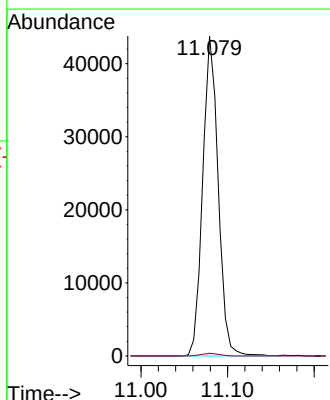
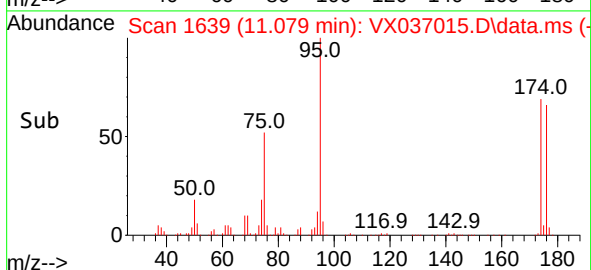
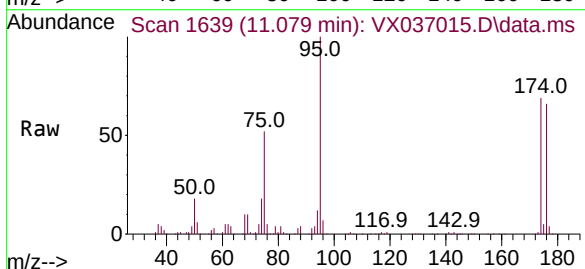


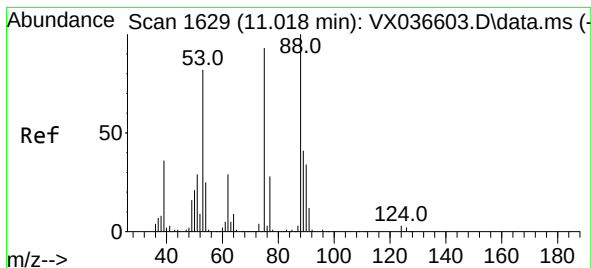
Tgt Ion:152 Resp: 92376
 Ion Ratio Lower Upper
 152 100
 115 62.4 43.3 129.9
 150 156.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 25.016 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037015.D
 Acq: 16 Aug 2023 14:11

Tgt Ion: 75 Resp: 54354
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

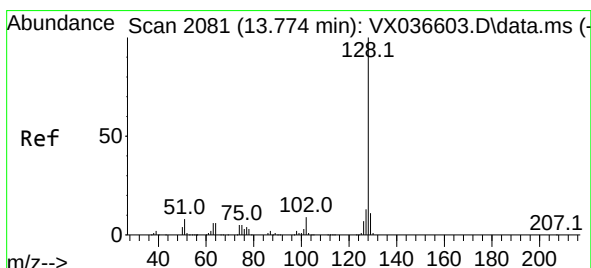
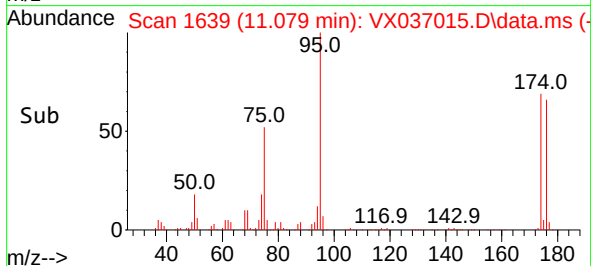
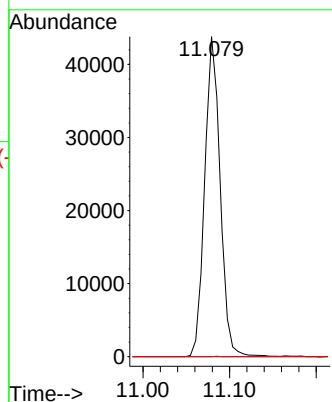
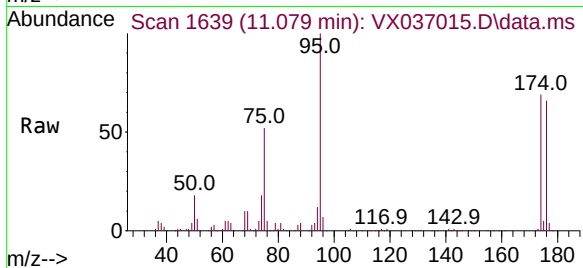




#81
trans-1,4-Dichloro-2-butene
Concen: 56.700 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :
RE104D2-20230815

Tgt Ion: 75 Resp: 54354
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.210 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX037015.D
Acq: 16 Aug 2023 14:11

Tgt Ion: 128 Resp: 1404
Ion Ratio Lower Upper
128 100
127 11.5 10.3 15.5
129 0.0 8.8 13.2#

