

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037013.D
 Acq On : 16 Aug 2023 13:24
 Operator : JC/MD
 Sample : 04024-08 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20230815

Quant Time: Aug 17 04:14:15 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)

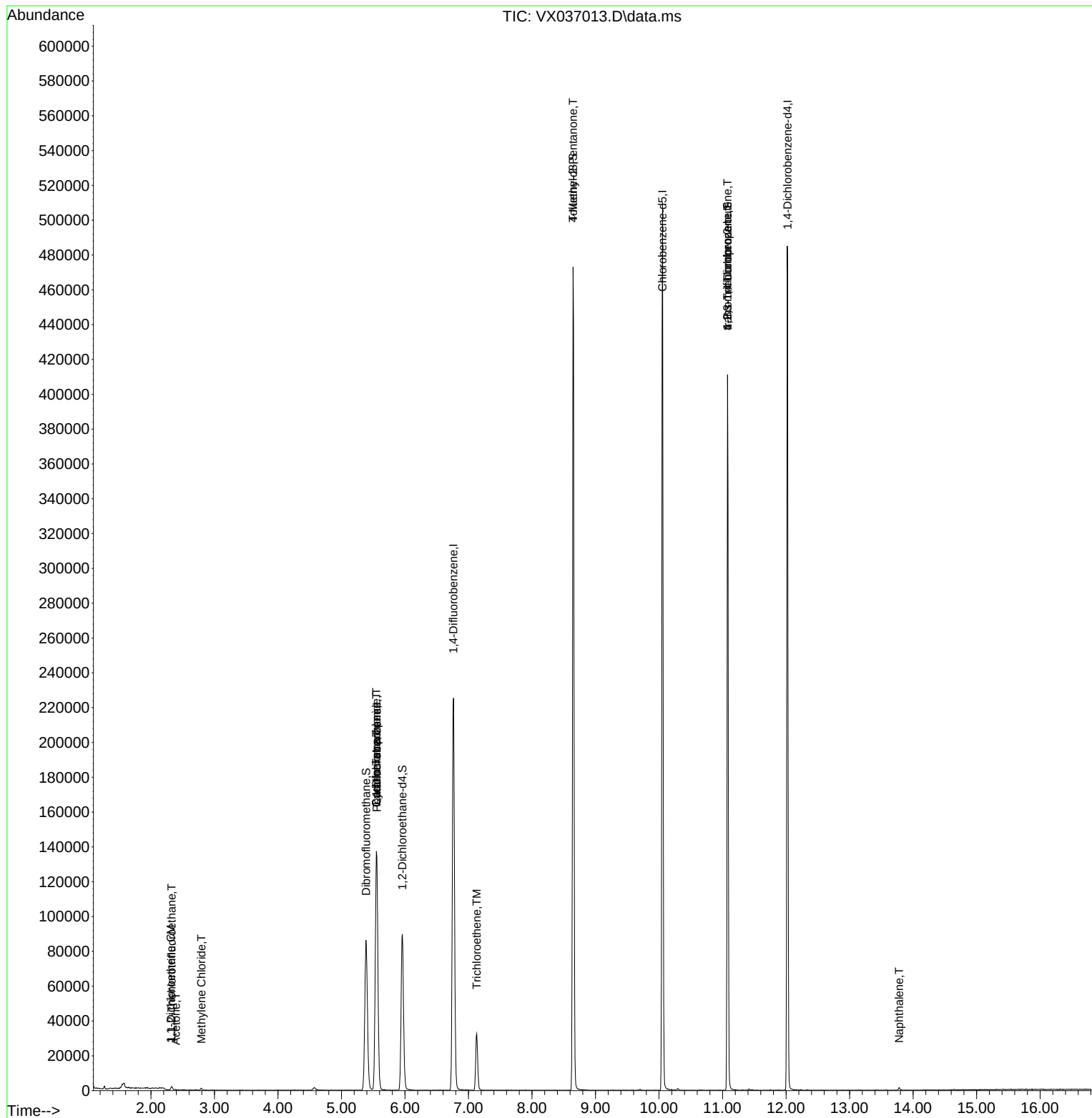
Internal Standards						
1) Pentafluorobenzene	5.556	168	127645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	235969	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90632	47.987	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.980%		
35) Dibromofluoromethane	5.385	113	74909	46.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	8.647	98	282548	49.124	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.240%		
62) 4-Bromofluorobenzene	11.079	95	111301	51.290	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.580%		
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	710	0.490	ug/l #	86
12) 1,1-Dichloroethene	2.313	96	291	0.204	ug/l #	74
16) Acetone	2.392	43	563	0.718	ug/l	98
20) Methylene Chloride	2.794	84	636	0.365	ug/l #	90
31) Cyclohexane	5.550	56	2836	1.084	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10389	4.297	ug/l #	51
38) Carbon Tetrachloride	5.550	117	13932	5.421	ug/l #	15
44) Trichloroethene	7.129	130	12996	7.069	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	1131	0.434	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	58296	24.780	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	58296	56.166	ug/l #	5
95) Naphthalene	13.780	128	1590	0.220	ug/l	97

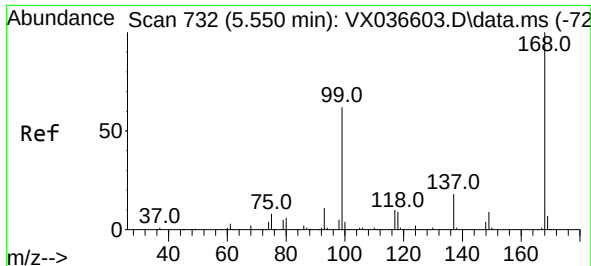
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
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QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

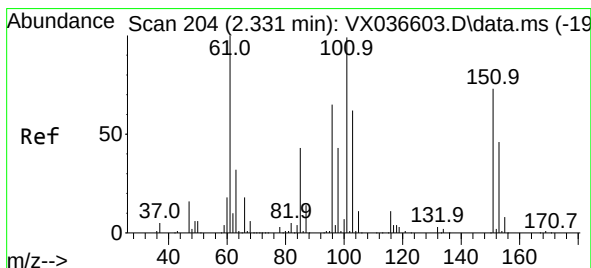
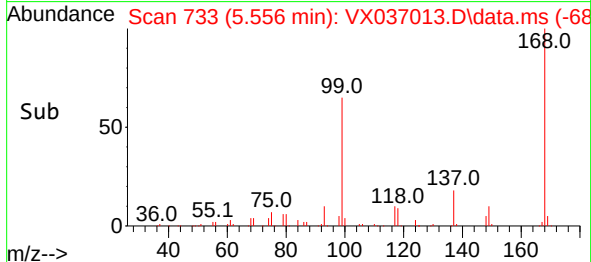
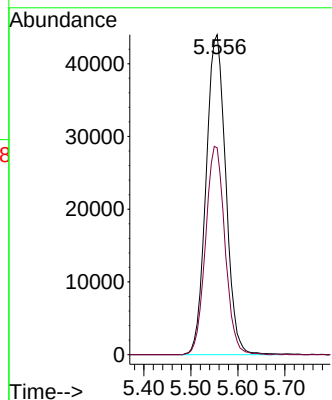
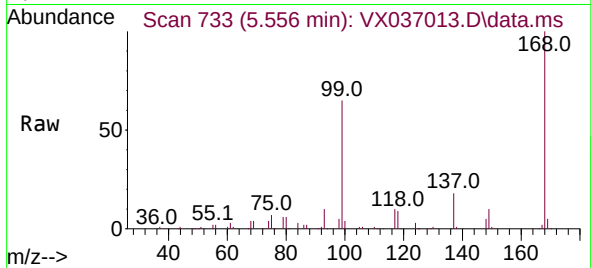




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

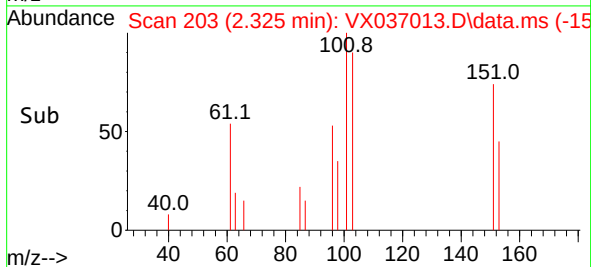
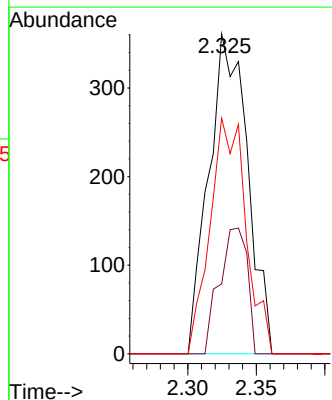
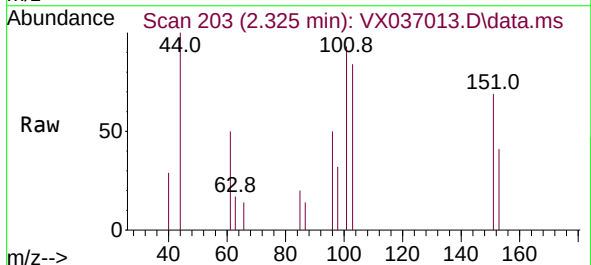
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815

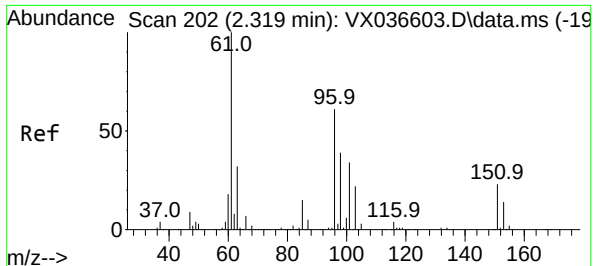
Tgt Ion:168 Resp: 127645
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.490 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Tgt Ion:101 Resp: 710
Ion Ratio Lower Upper
101 100
85 28.2 37.0 55.6#
151 67.9 58.6 87.8





#12

1,1-Dichloroethene

Concen: 0.204 ug/l

RT: 2.313 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX037013.D

Acq: 16 Aug 2023 13:24

Instrument :

MSVOA_X

ClientSampleId :

DUP05-20230815

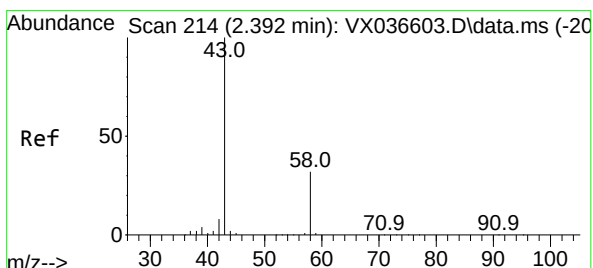
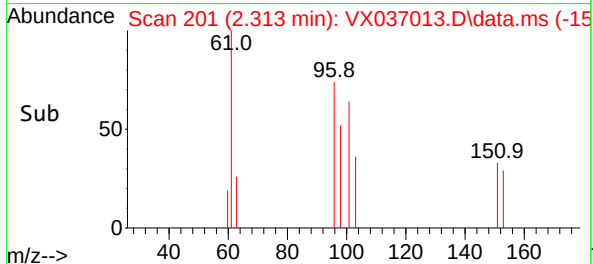
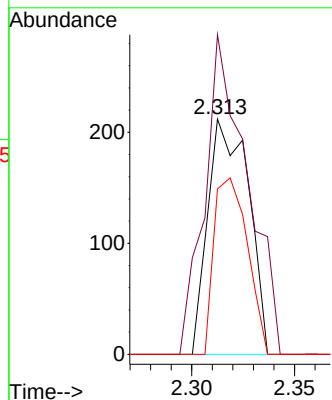
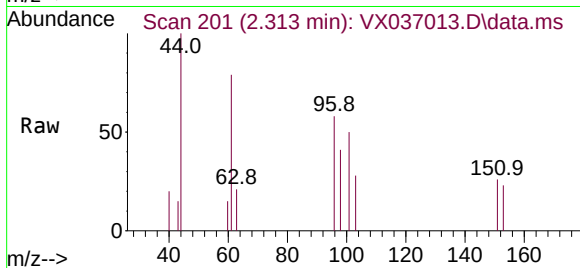
Tgt Ion: 96 Resp: 291

Ion Ratio Lower Upper

96 100

61 135.8 144.6 216.8#

98 70.3 50.4 75.6



#16

Acetone

Concen: 0.718 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX037013.D

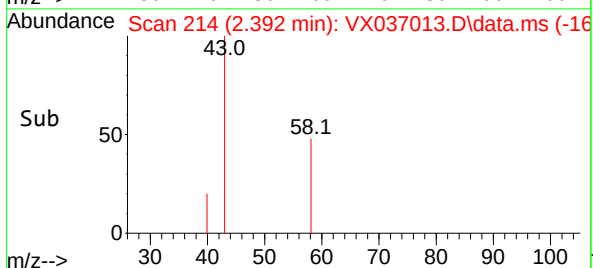
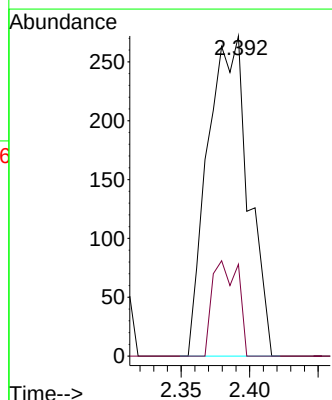
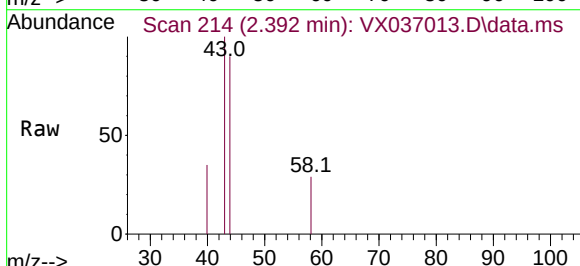
Acq: 16 Aug 2023 13:24

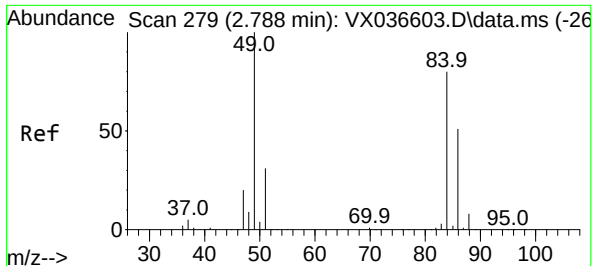
Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

58 28.7 21.9 32.9

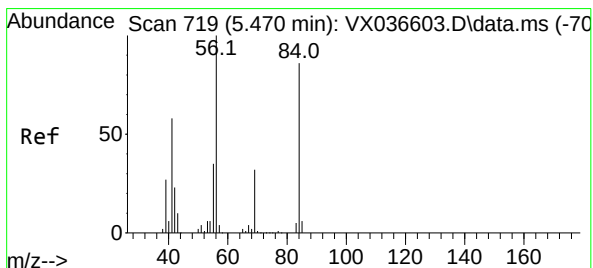
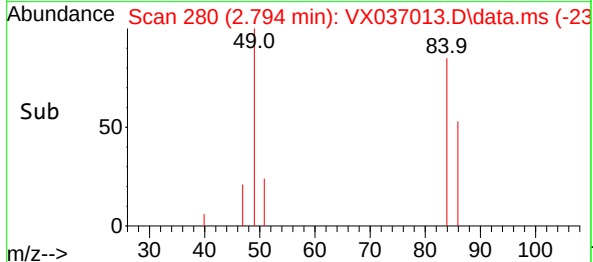
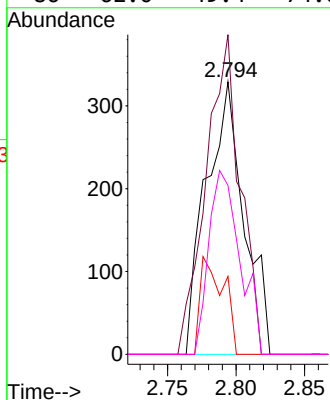
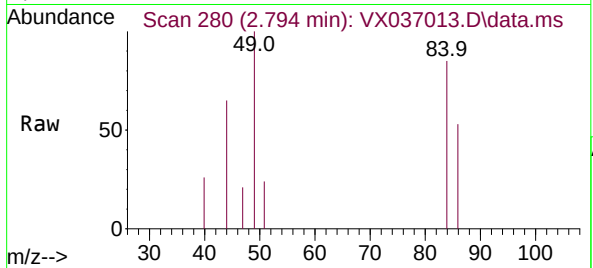




#20
Methylene Chloride
Concen: 0.365 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

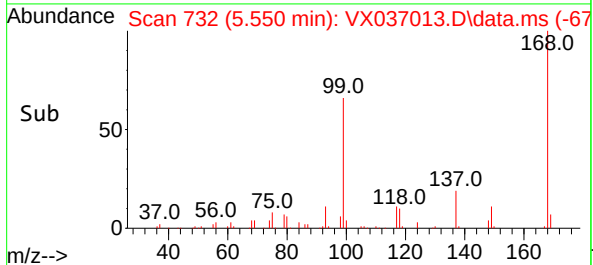
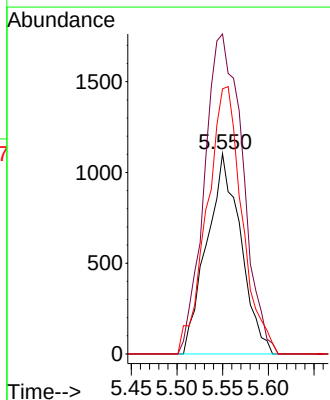
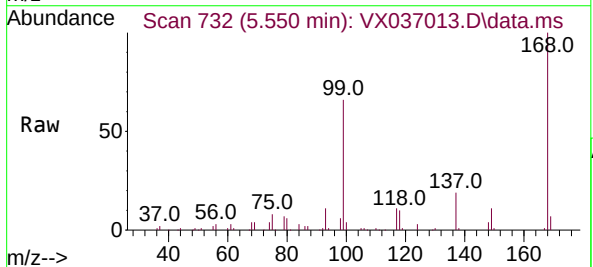
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815

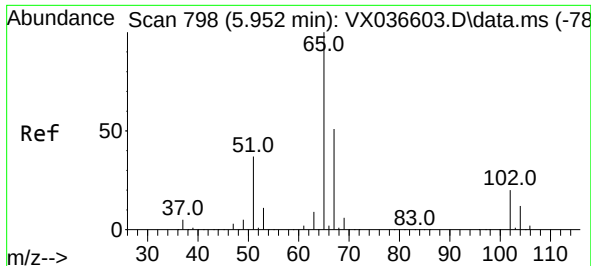
Tgt Ion:	84	Resp:	636
Ion	Ratio	Lower	Upper
84	100		
49	117.3	103.6	155.4
51	28.6	33.8	50.6#
86	62.0	49.4	74.0



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Tgt Ion:	56	Resp:	2836
Ion	Ratio	Lower	Upper
56	100		
69	159.7	23.4	35.2#
84	132.3	65.9	98.9#

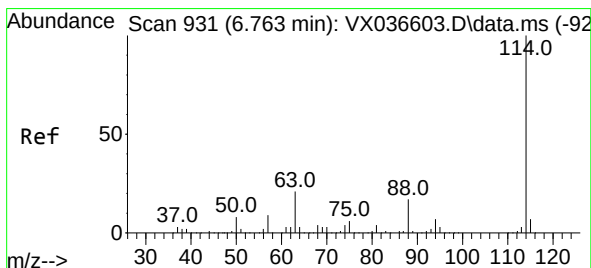
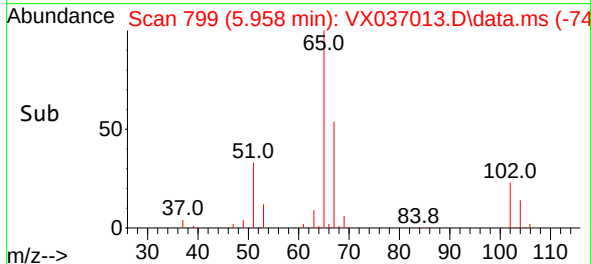
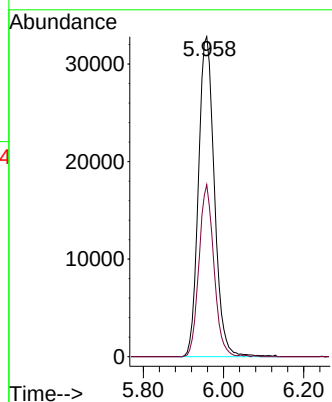
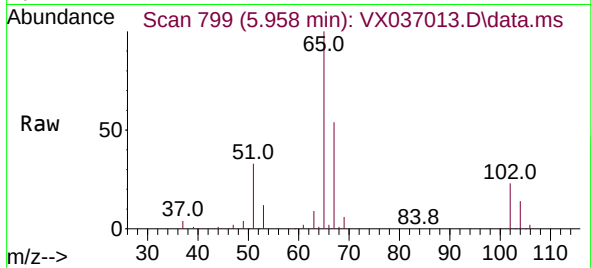




#33
 1,2-Dichloroethane-d4
 Concen: 47.987 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX037013.D
 Acq: 16 Aug 2023 13:24

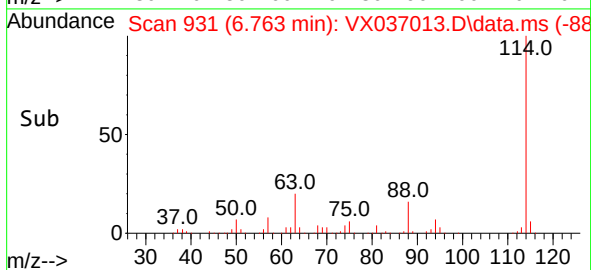
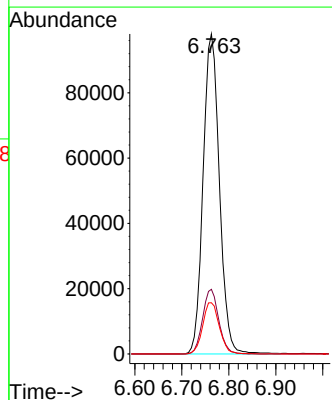
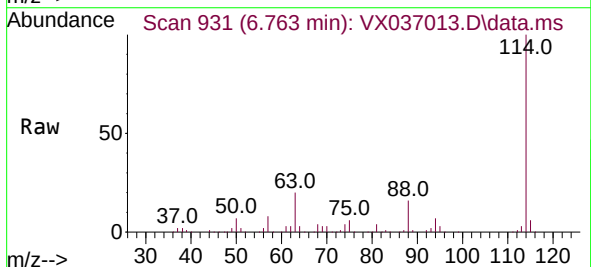
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20230815

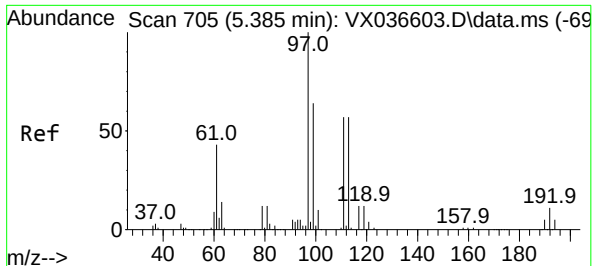
Tgt Ion: 65 Resp: 90632
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX037013.D
 Acq: 16 Aug 2023 13:24

Tgt Ion: 114 Resp: 235969
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 45.0
 88 16.0 0.0 36.6

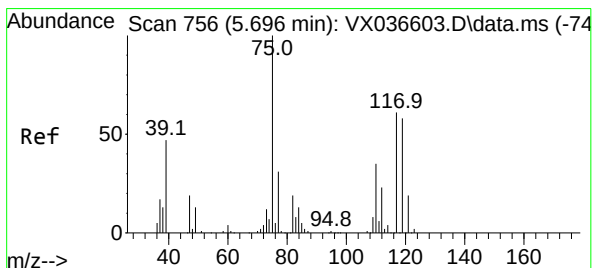
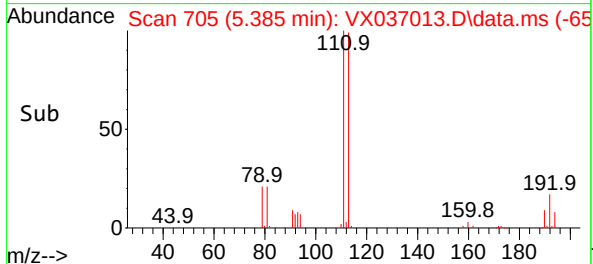
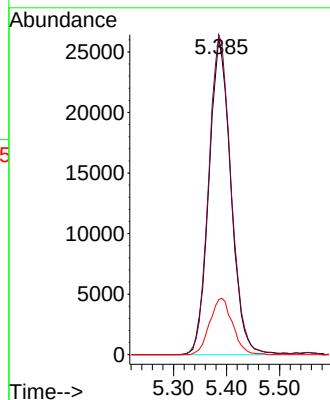
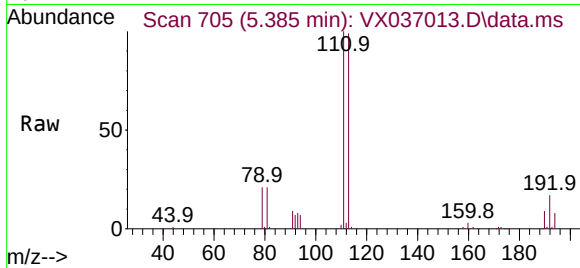




#35
Dibromofluoromethane
Concen: 46.185 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

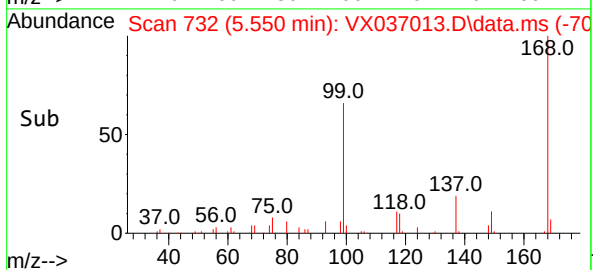
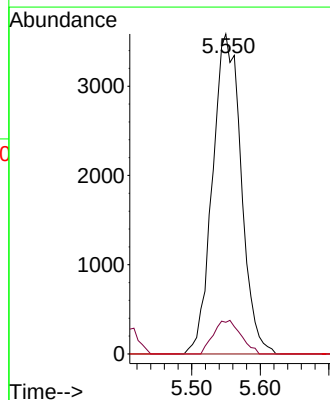
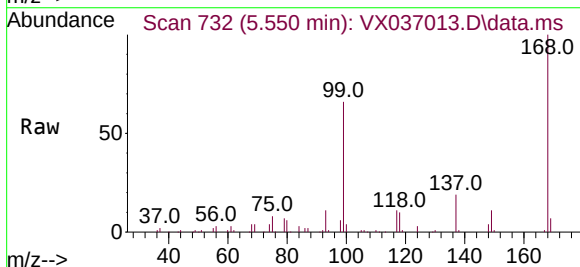
Instrument :
MSVOA_X
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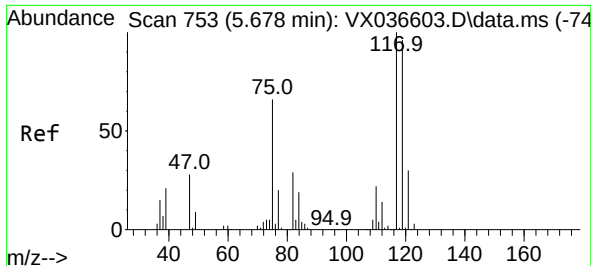
Tgt Ion:113 Resp: 74909
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 18.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.297 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

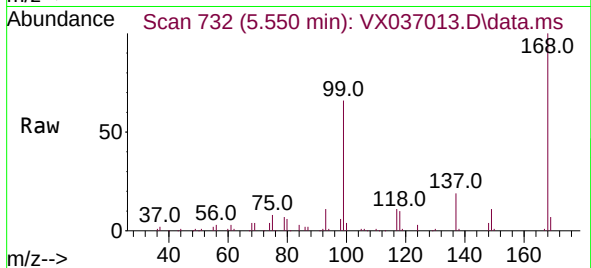
Tgt Ion: 75 Resp: 10389
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



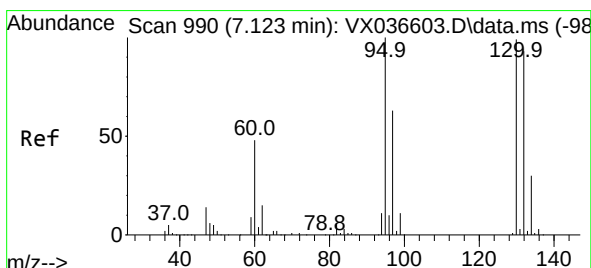
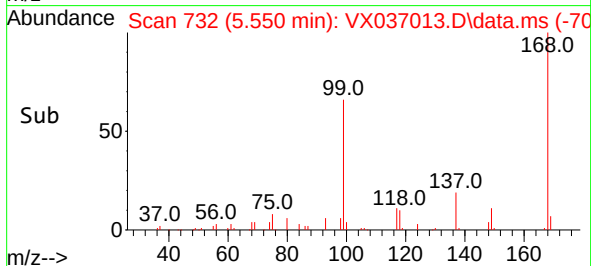
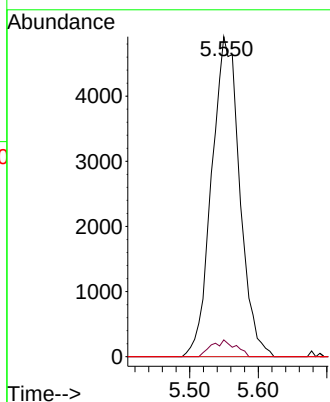


#38
Carbon Tetrachloride
Concen: 5.421 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815

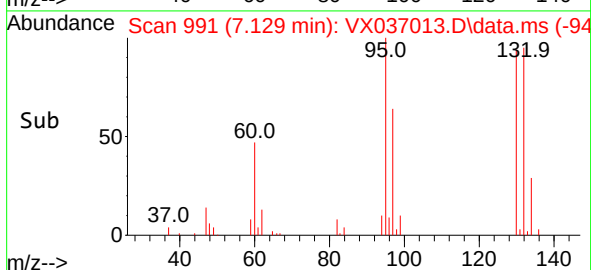
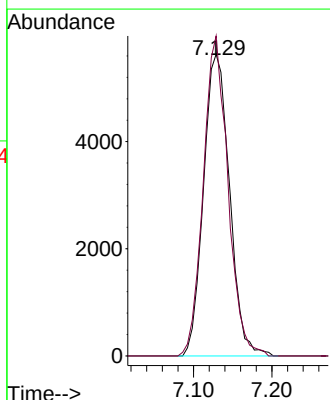
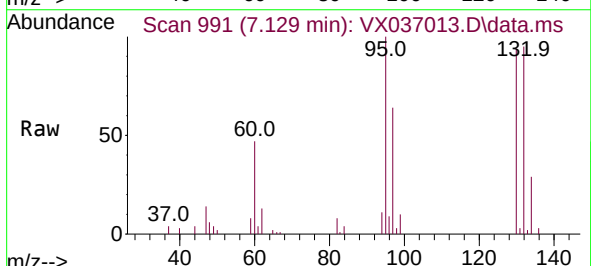


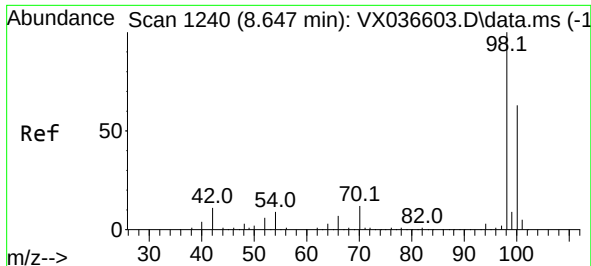
Tgt Ion:117 Resp: 13932
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 7.069 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Tgt Ion:130 Resp: 12996
Ion Ratio Lower Upper
130 100
95 106.1 0.0 204.4

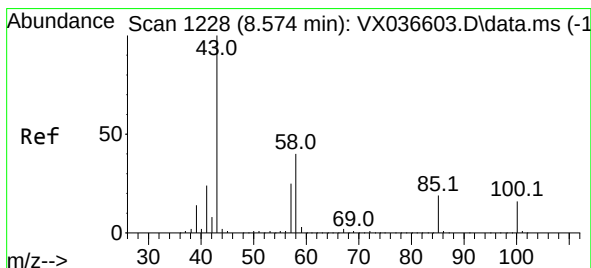
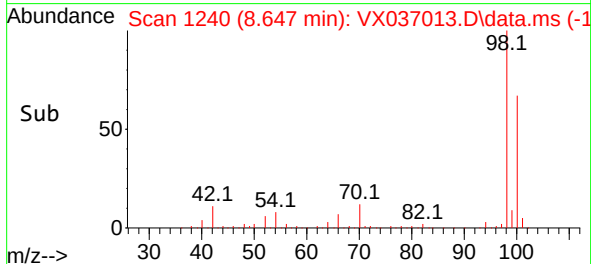
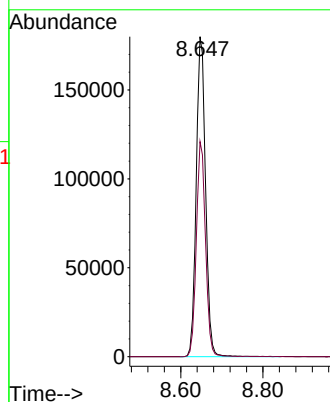
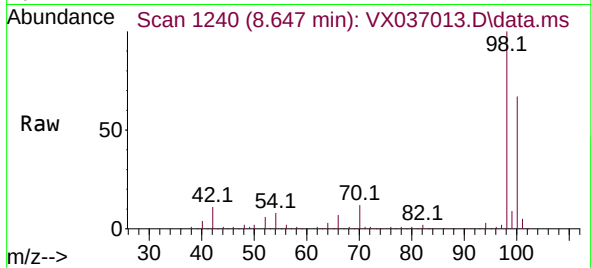




#50
Toluene-d8
Concen: 49.124 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

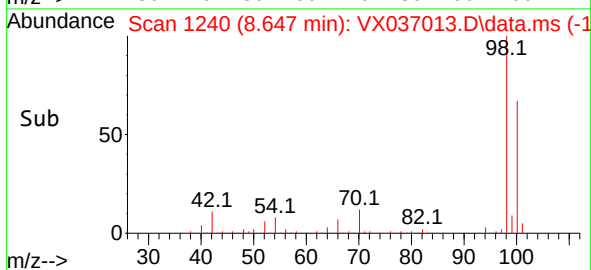
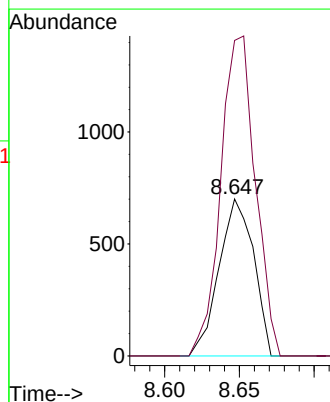
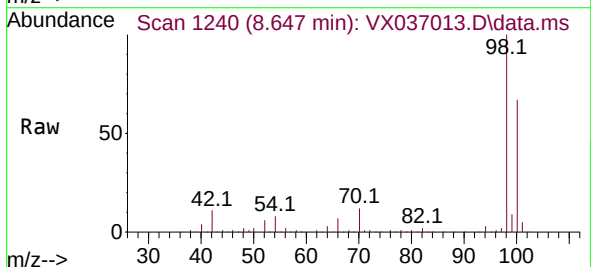
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815

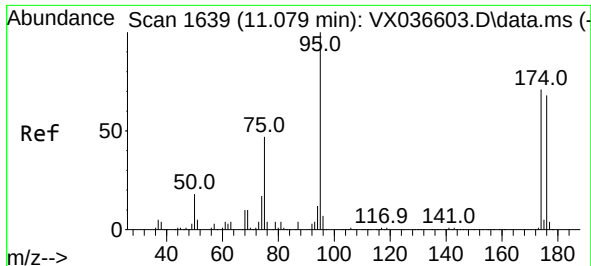
Tgt Ion: 98 Resp: 282548
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.434 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Tgt Ion: 43 Resp: 1131
Ion Ratio Lower Upper
43 100
58 203.4 30.4 45.6#

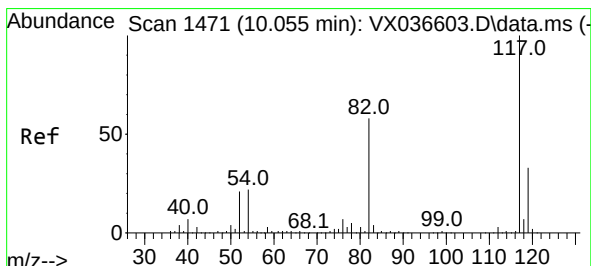
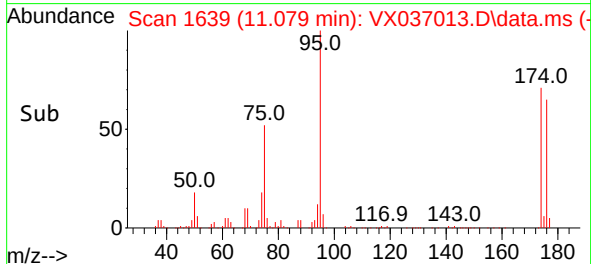
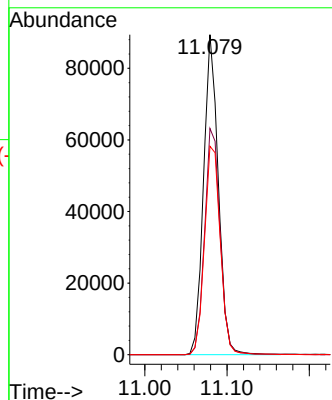
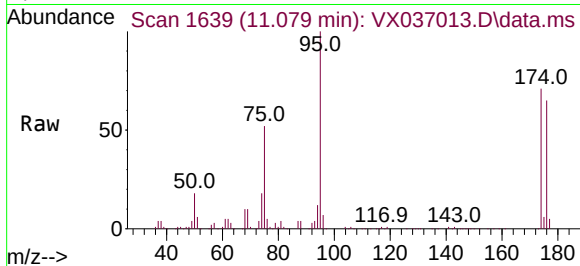




#62
4-Bromofluorobenzene
Concen: 51.290 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

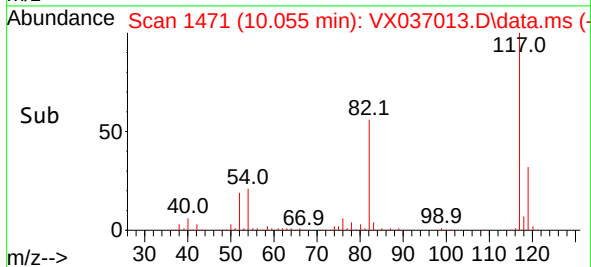
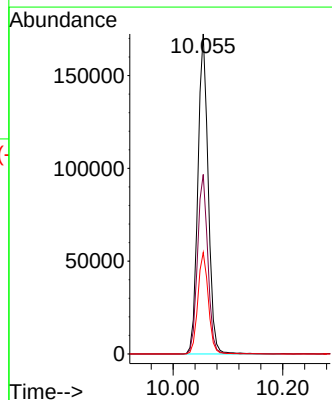
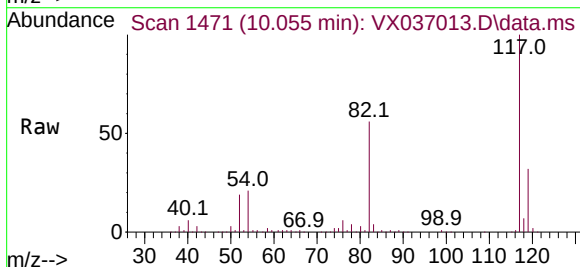
Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815

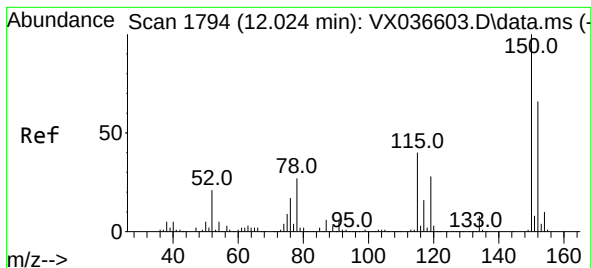
Tgt Ion: 95 Resp: 111301
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 70.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Tgt Ion: 117 Resp: 226361
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 31.7 25.5 38.3

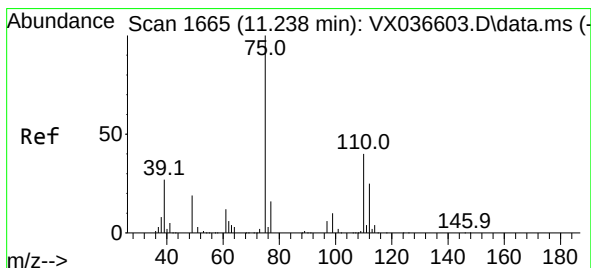
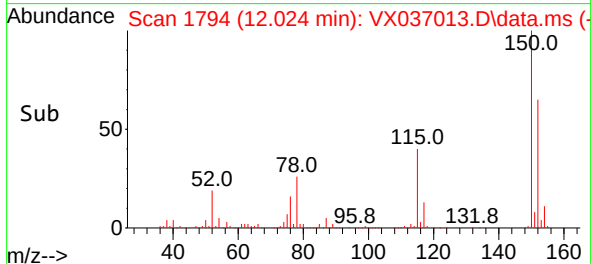
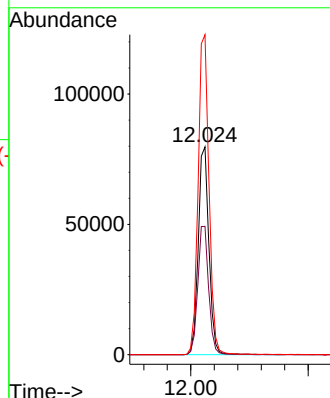
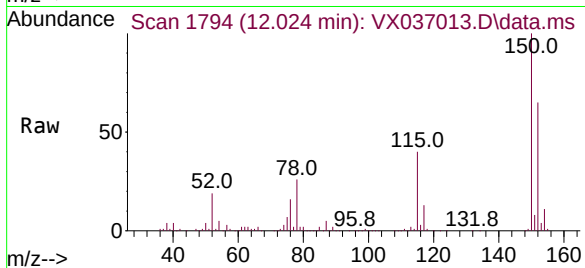




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037013.D
 Acq: 16 Aug 2023 13:24

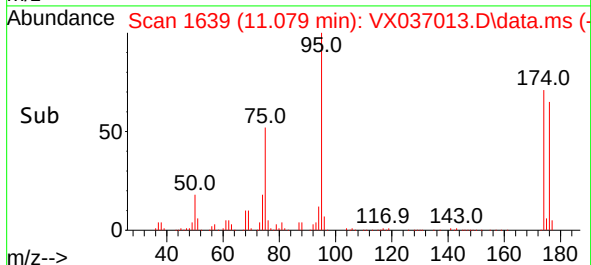
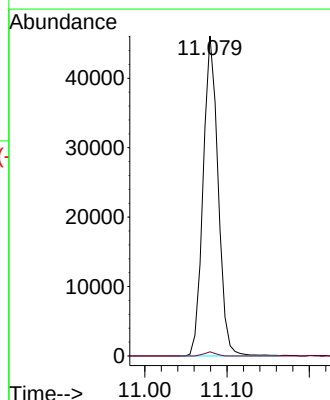
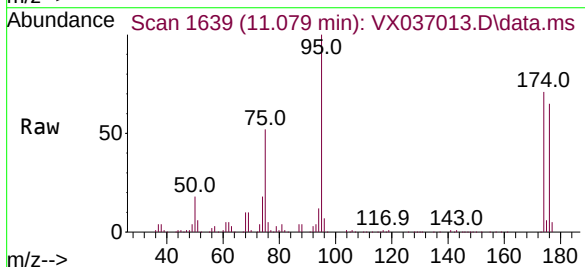
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP05-20230815

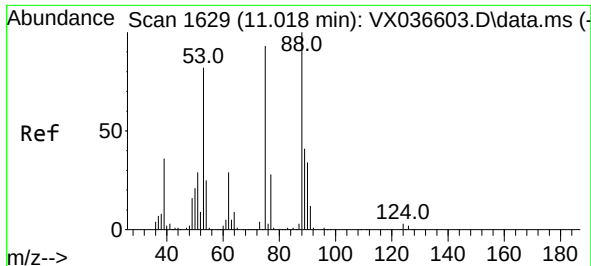
Tgt Ion:152 Resp: 100017
 Ion Ratio Lower Upper
 152 100
 115 63.1 43.3 129.9
 150 156.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.780 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037013.D
 Acq: 16 Aug 2023 13:24

Tgt Ion: 75 Resp: 58296
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

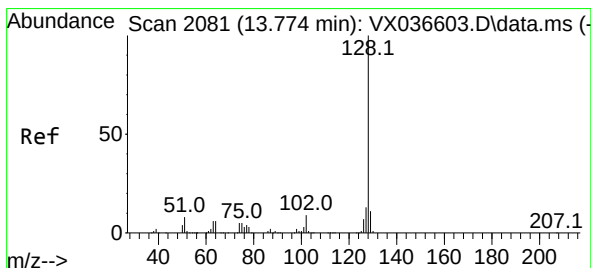
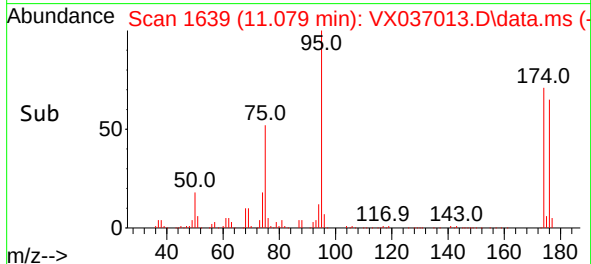
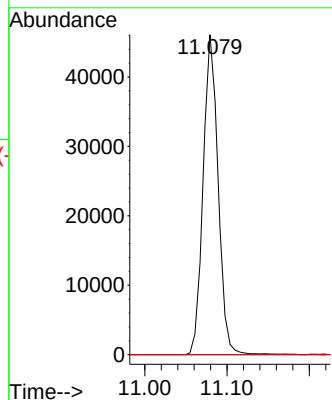
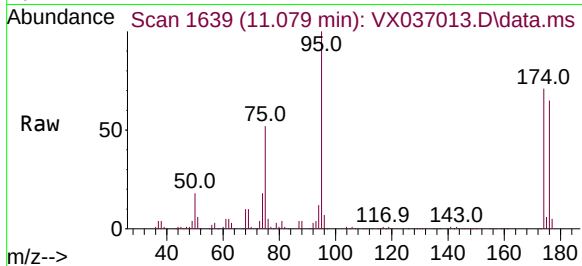




#81
trans-1,4-Dichloro-2-butene
Concen: 56.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Instrument :
MSVOA_X
ClientSampleId :
DUP05-20230815

Tgt Ion: 75 Resp: 58296
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.220 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037013.D
Acq: 16 Aug 2023 13:24

Tgt Ion: 128 Resp: 1590
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 9.6 8.8 13.2

