

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037409.D
 Acq On : 31 Aug 2023 06:15
 Operator : JC/MD
 Sample : 04128-11 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20230822

Quant Time: Aug 31 07:41:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

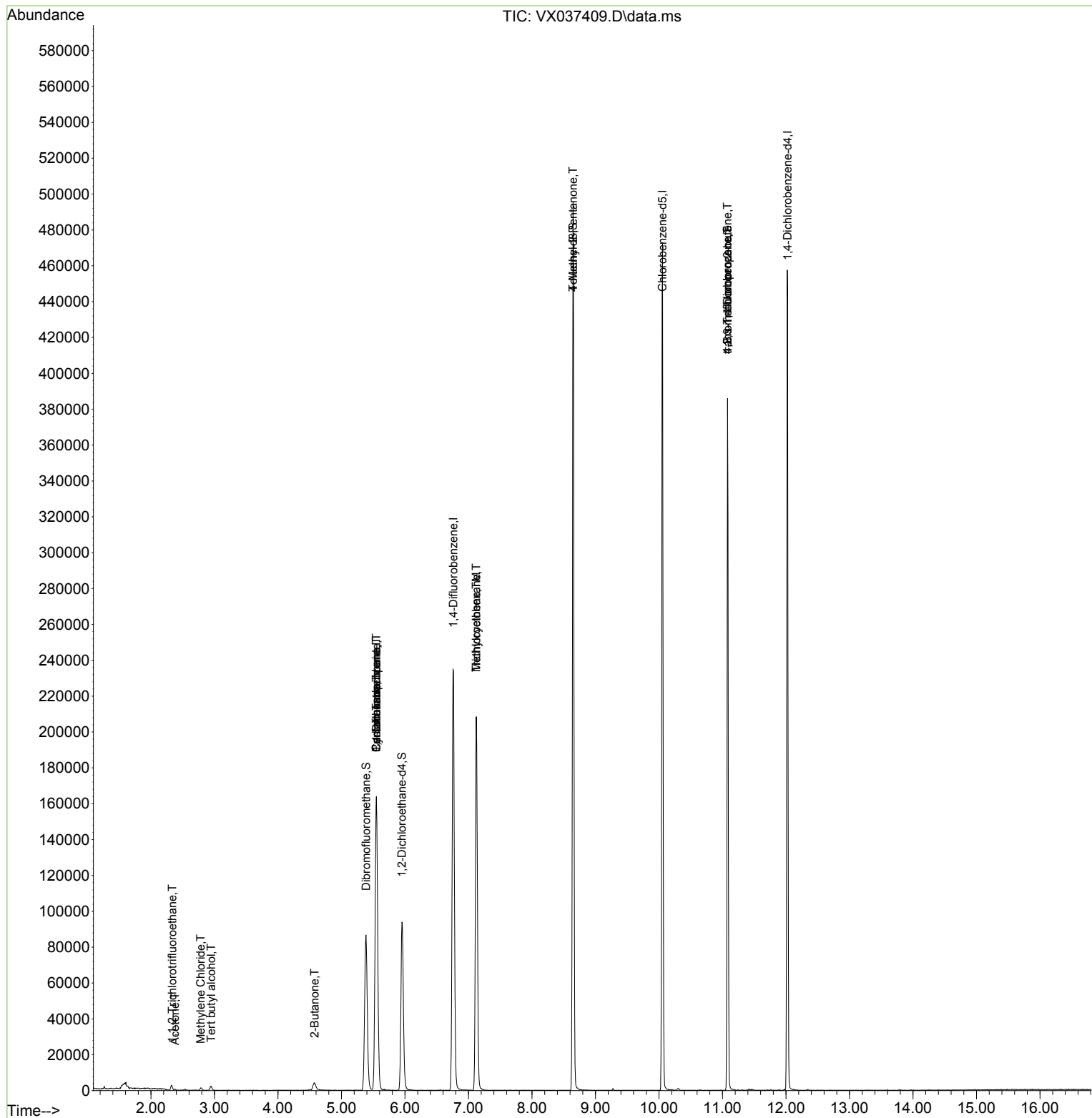
Internal Standards						
1) Pentafluorobenzene	5.550	168	155696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	257233	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95532	42.560	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.120%		
35) Dibromofluoromethane	5.385	113	77495	45.489	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.980%		
50) Toluene-d8	8.647	98	299067	48.396	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.800%		
62) 4-Bromofluorobenzene	11.079	95	107315	44.190	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.380%		
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	2.337	101	1016	0.617	ug/l	94
11) Tert butyl alcohol	2.947	59	1484	2.818	ug/l #	78
16) Acetone	2.380	43	675	0.769	ug/l	94
20) Methylene Chloride	2.782	84	807	0.411	ug/l #	72
25) 2-Butanone	4.574	43	278	0.210	ug/l #	51
31) Cyclohexane	5.550	56	2955	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12047	4.977	ug/l #	51
38) Carbon Tetrachloride	5.550	117	16513	6.281	ug/l #	14
39) Methylcyclohexane	7.123	83	993	0.390	ug/l #	1
44) Trichloroethene	7.123	130	84490	42.925	ug/l	96
51) 4-Methyl-2-Pentanone	8.647	43	1104	0.463	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	52308	24.670	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52308	68.905	ug/l #	5

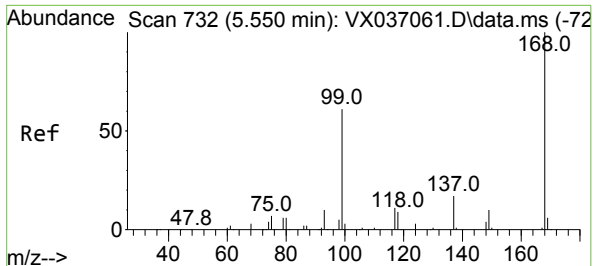
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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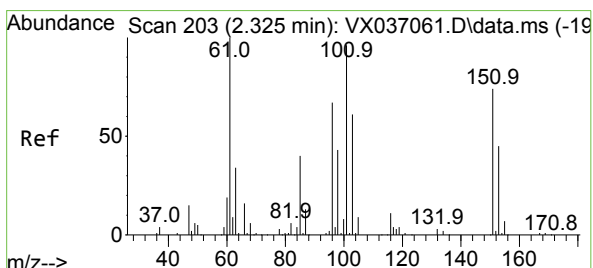
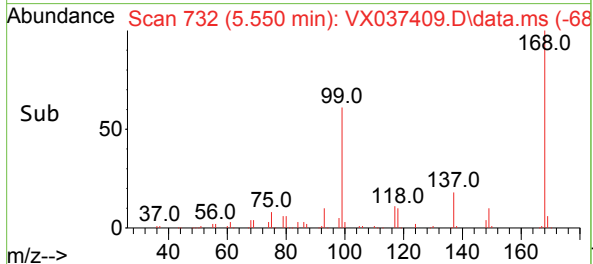
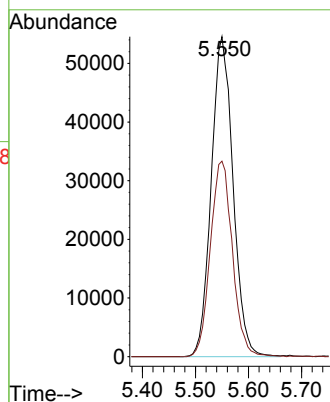
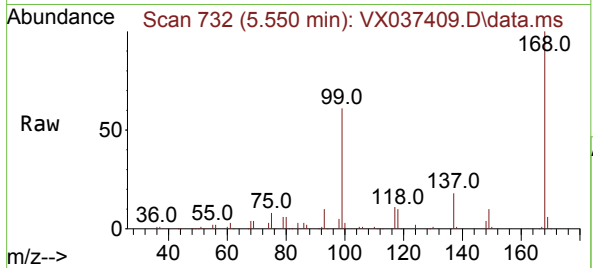




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

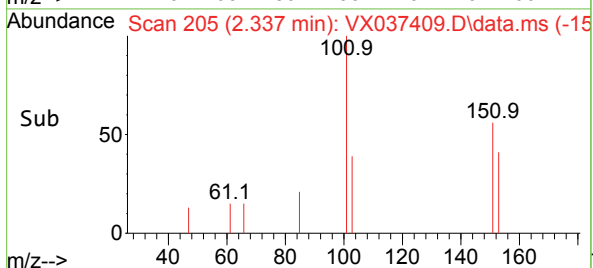
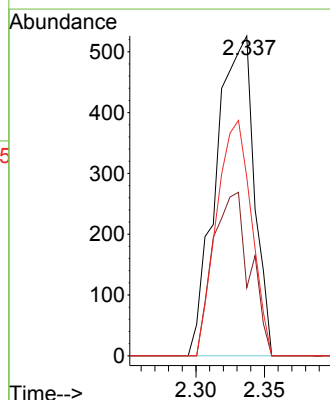
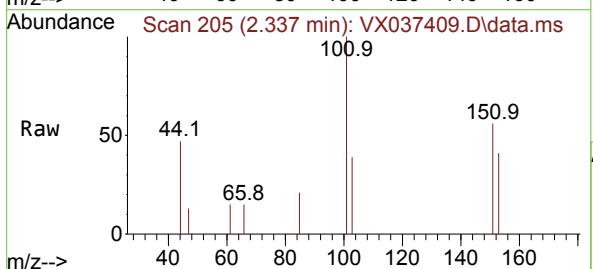
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20230822

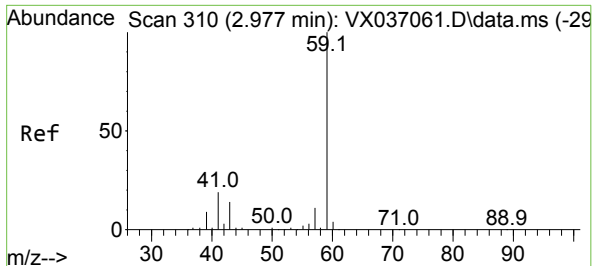
Tgt Ion:168 Resp: 155696
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.617 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.012 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion:101 Resp: 1016
Ion Ratio Lower Upper
101 100
85 49.3 37.0 55.6
151 67.2 58.6 87.8





#11

Tert butyl alcohol

Concen: 2.818 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.030 min

Lab File: VX037409.D

Acq: 31 Aug 2023 06:15

Instrument :

MSVOA_X

ClientSampleId :

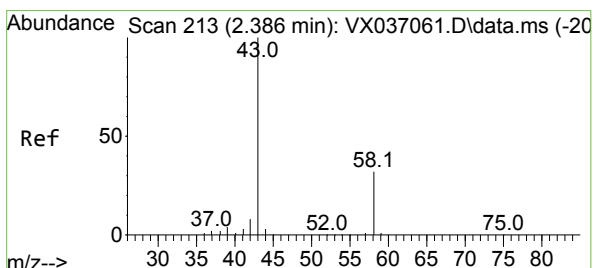
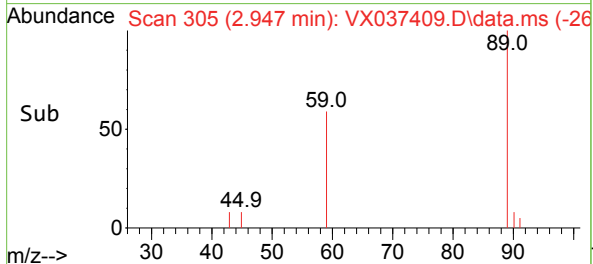
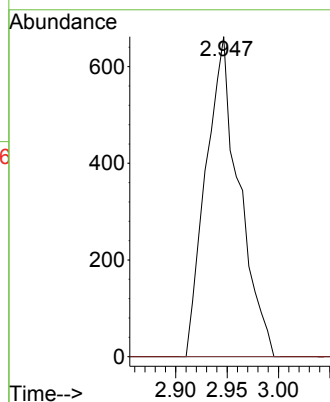
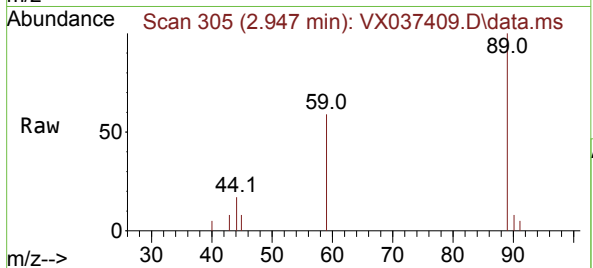
DUP08-20230822

Tgt Ion: 59 Resp: 1484

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 0.769 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037409.D

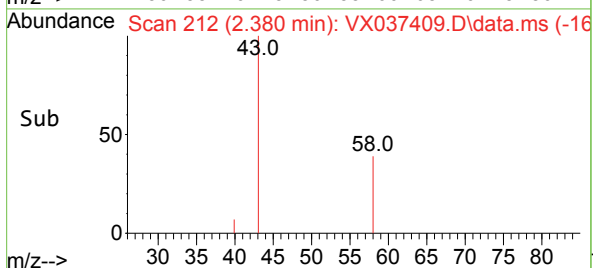
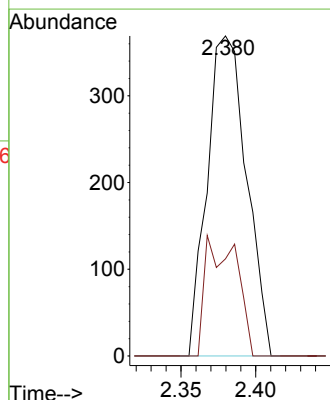
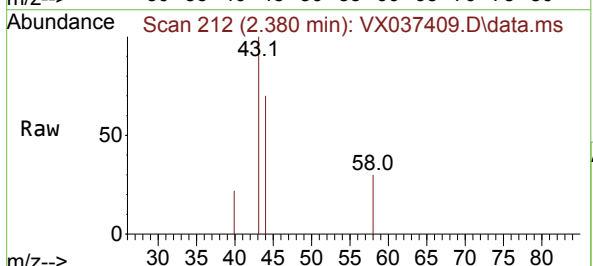
Acq: 31 Aug 2023 06:15

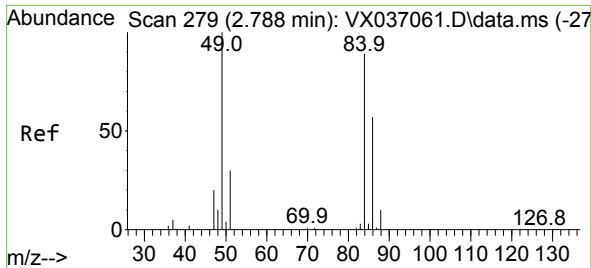
Tgt Ion: 43 Resp: 675

Ion Ratio Lower Upper

43 100

58 30.4 21.9 32.9





#20

Methylene Chloride

Concen: 0.411 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX037409.D

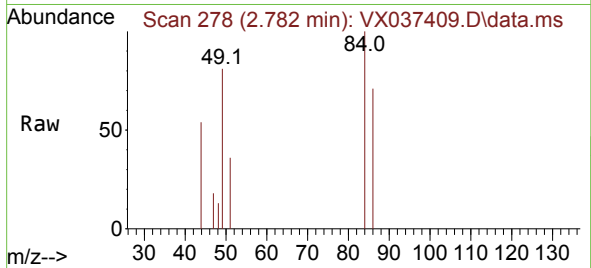
Acq: 31 Aug 2023 06:15

Instrument :

MSVOA_X

ClientSampleId :

DUP08-20230822



Tgt Ion: 84 Resp: 807

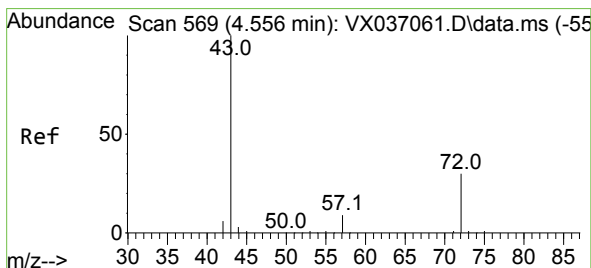
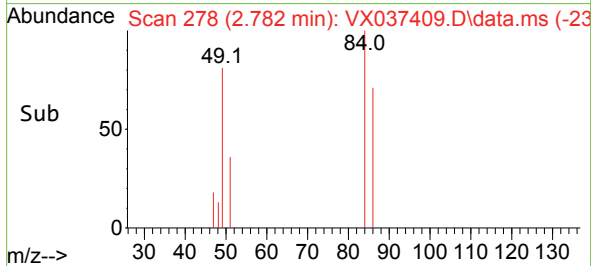
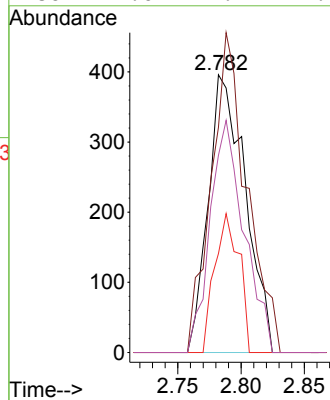
Ion Ratio Lower Upper

84 100

49 81.1 103.6 155.4#

51 35.6 33.8 50.6

86 71.0 49.4 74.0



#25

2-Butanone

Concen: 0.210 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX037409.D

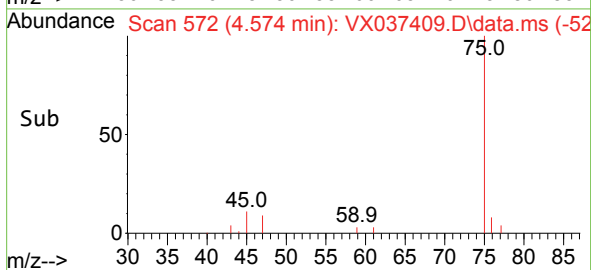
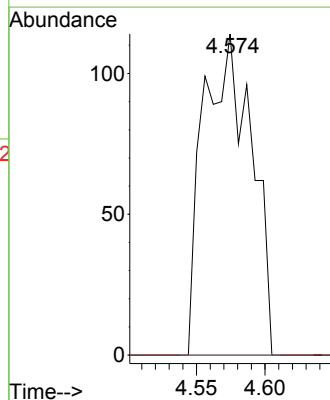
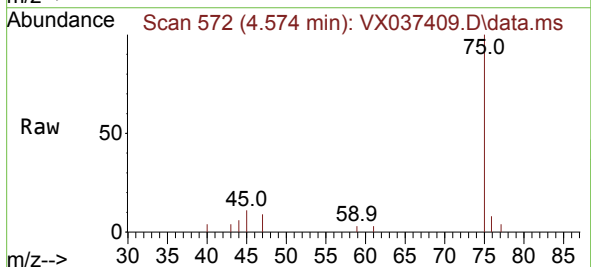
Acq: 31 Aug 2023 06:15

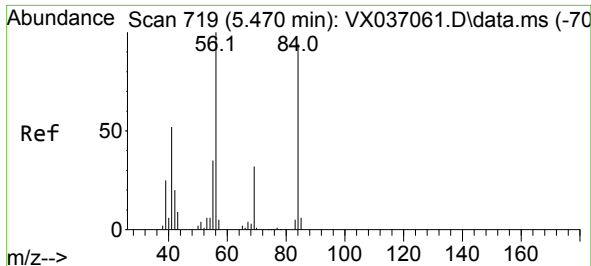
Tgt Ion: 43 Resp: 278

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

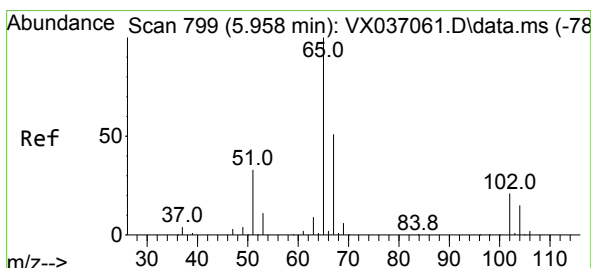
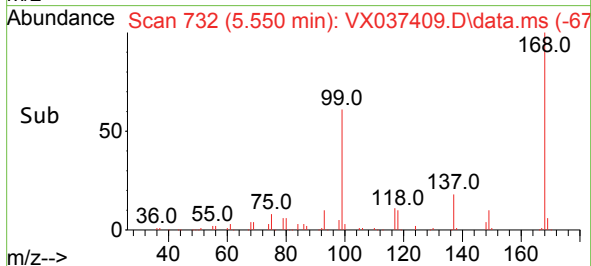
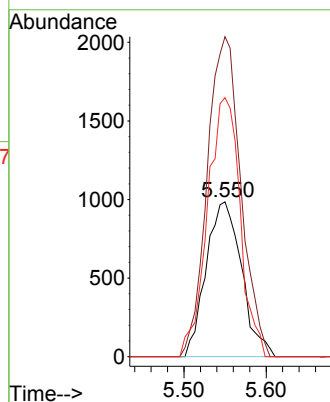
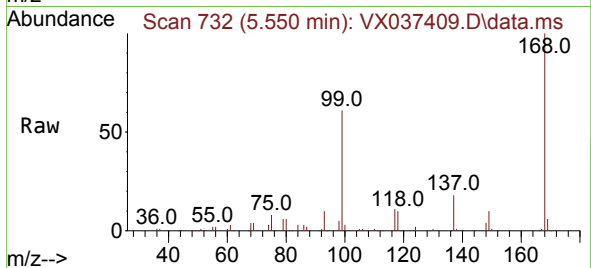




#31
Cyclohexane
Concen: 1.171 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

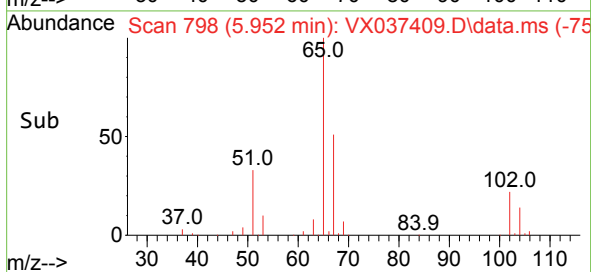
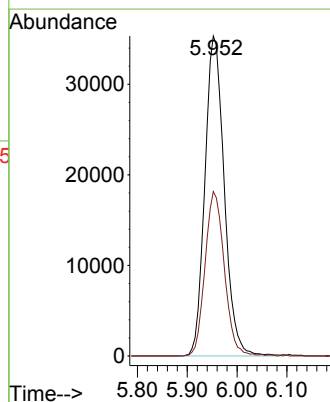
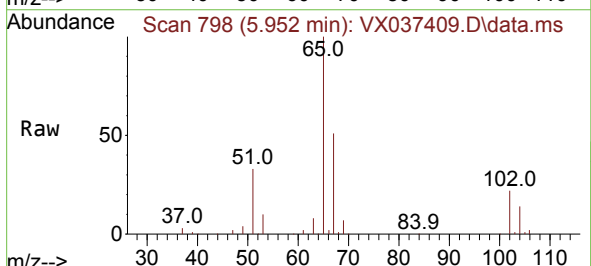
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20230822

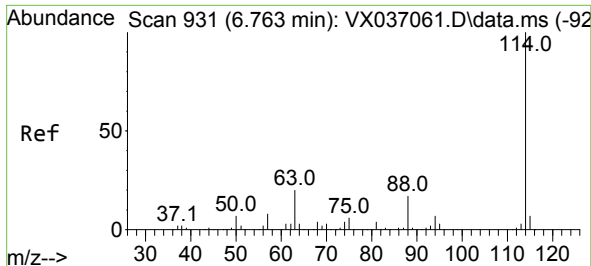
Tgt Ion: 56 Resp: 2955
Ion Ratio Lower Upper
56 100
69 206.5 23.4 35.2#
84 167.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.560 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion: 65 Resp: 95532
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

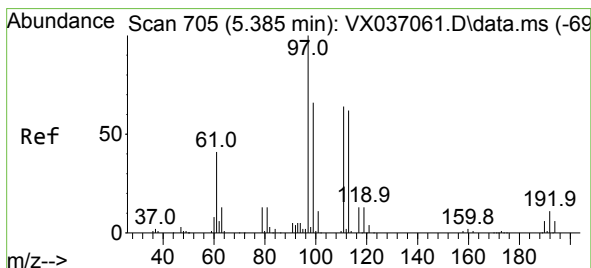
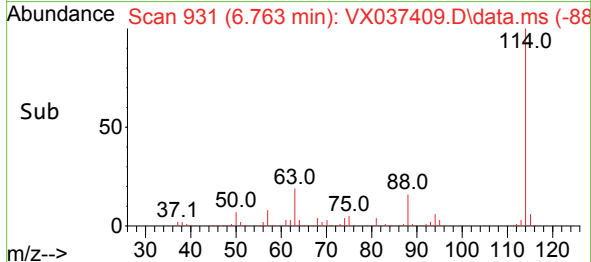
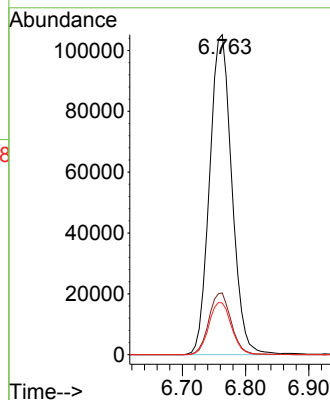
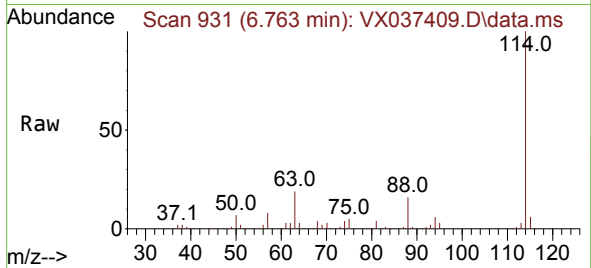




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

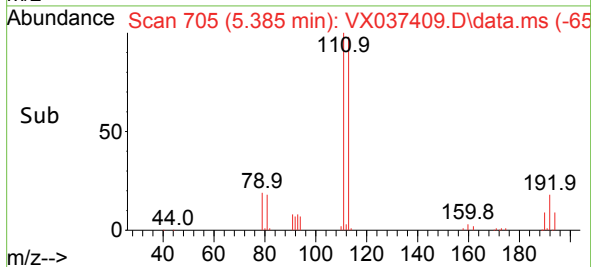
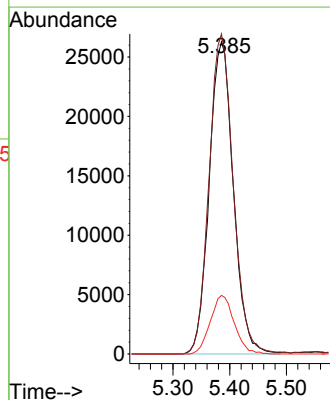
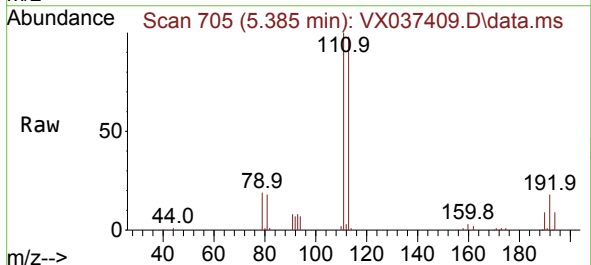
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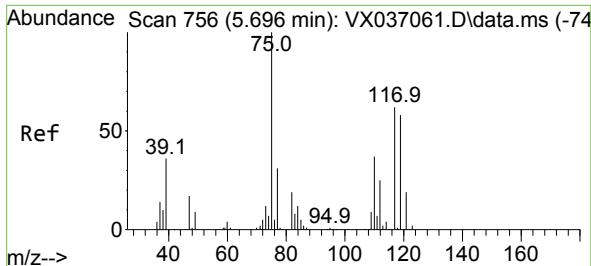
Tgt Ion:114 Resp: 257233
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.489 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion:113 Resp: 77495
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 18.6 13.3 19.9

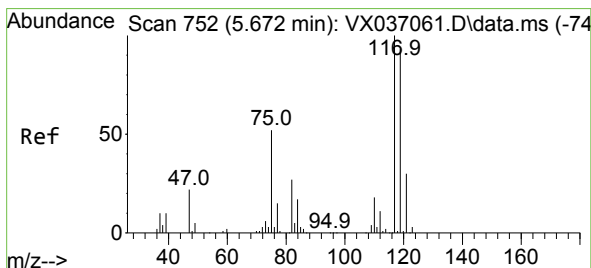
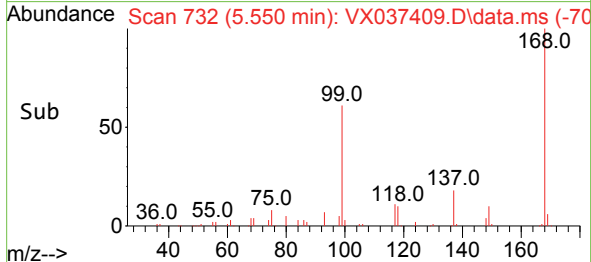
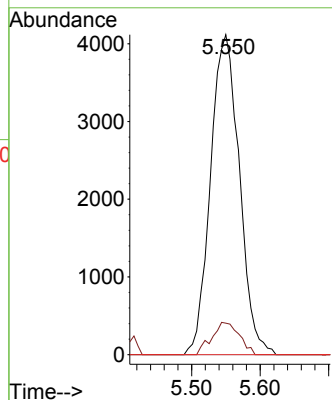
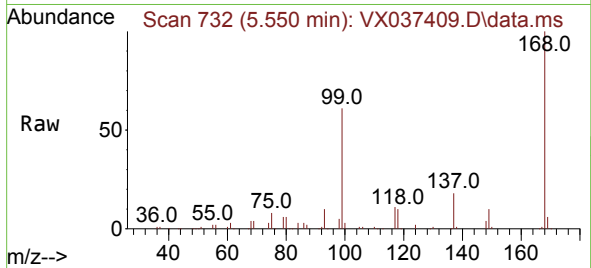




#36
1,1-Dichloropropene
Concen: 4.977 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.146 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

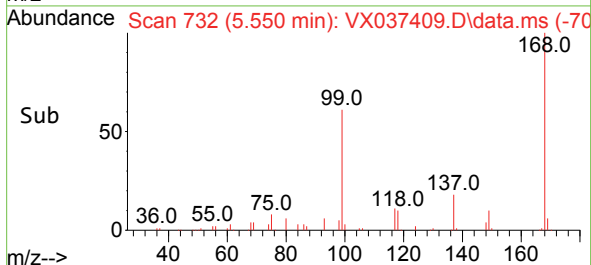
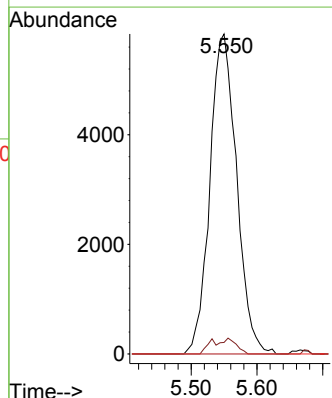
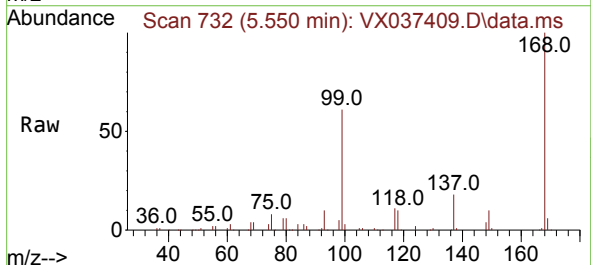
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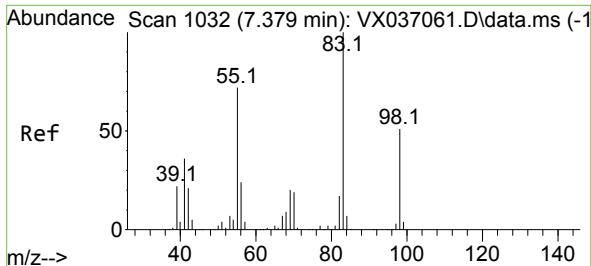
Tgt Ion: 75 Resp: 12047
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.281 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion: 117 Resp: 16513
Ion Ratio Lower Upper
117 100
119 3.6 78.2 117.2#
121 0.0 24.4 36.6#

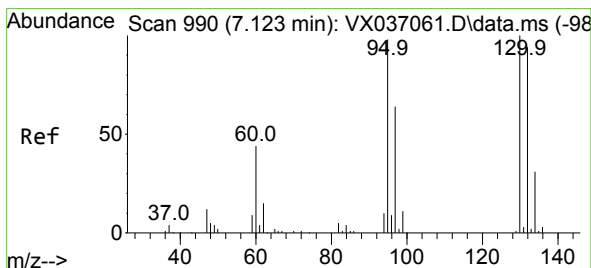
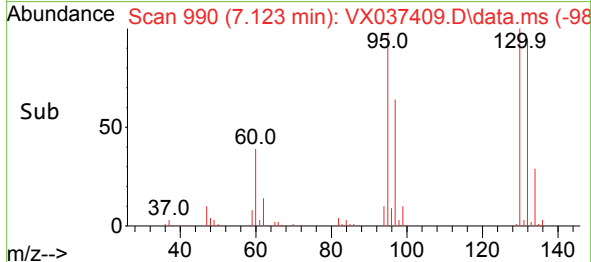
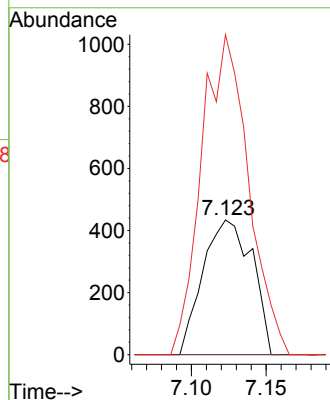
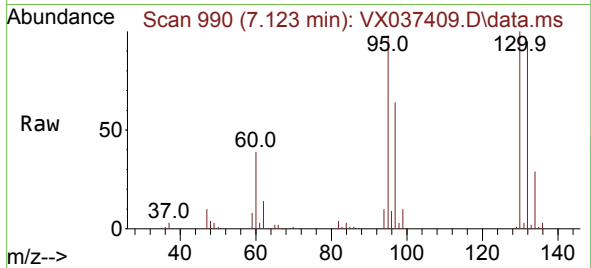




#39
Methylcyclohexane
Concen: 0.390 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.256 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

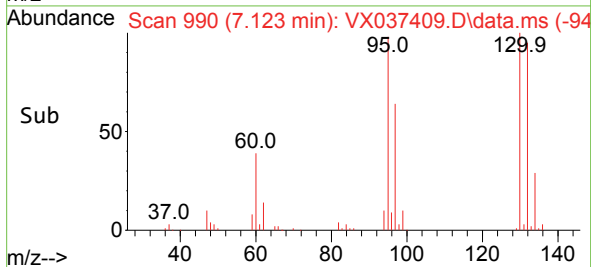
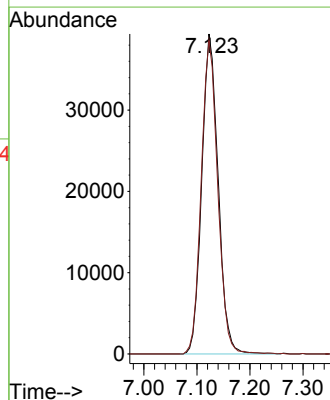
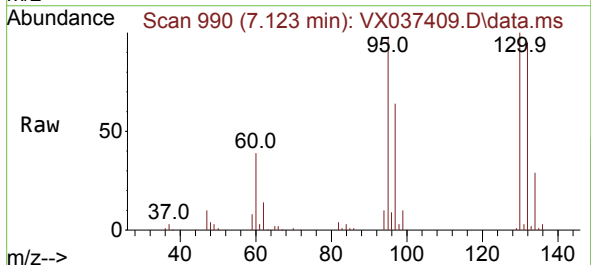
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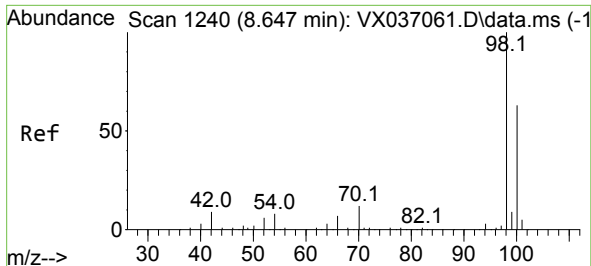
Tgt Ion: 83 Resp: 993
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 222.1 36.7 55.1#



#44
Trichloroethene
Concen: 42.925 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion:130 Resp: 84490
Ion Ratio Lower Upper
130 100
95 97.9 0.0 204.4

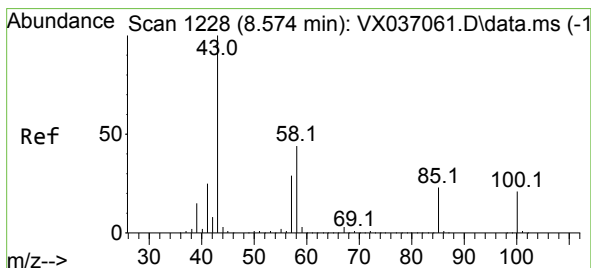
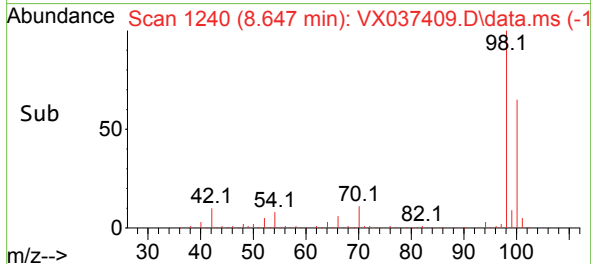
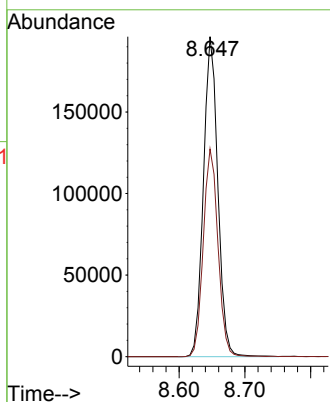
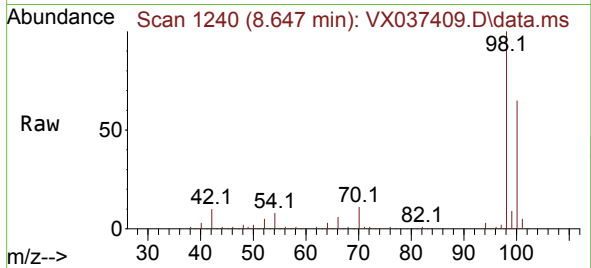




#50
Toluene-d8
Concen: 48.396 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

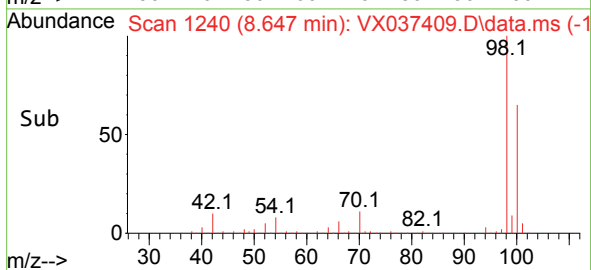
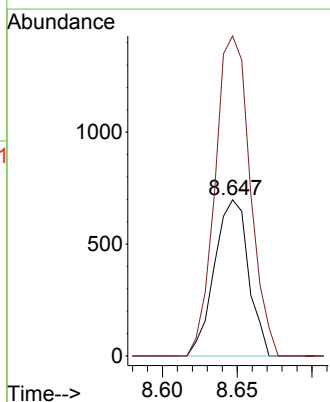
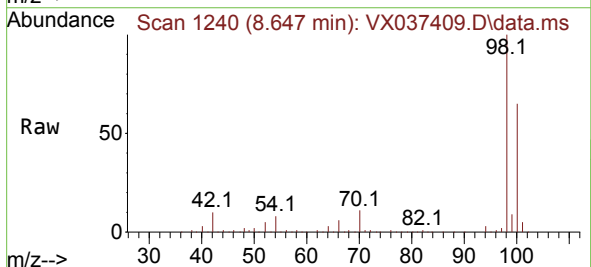
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20230822

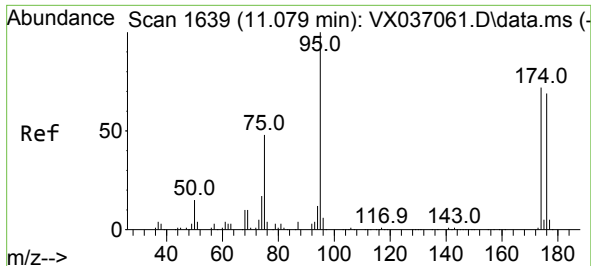
Tgt Ion: 98 Resp: 299067
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.463 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
58 210.5 30.4 45.6#

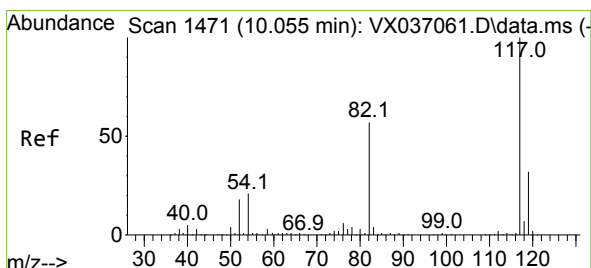
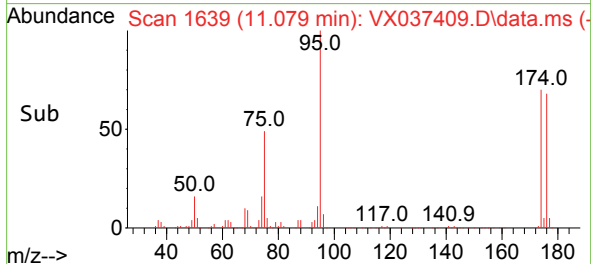
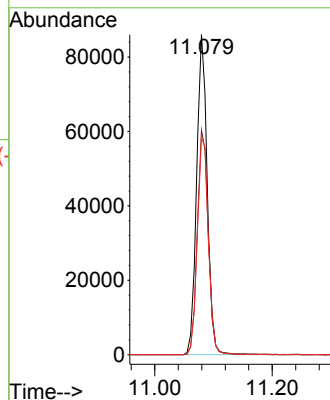
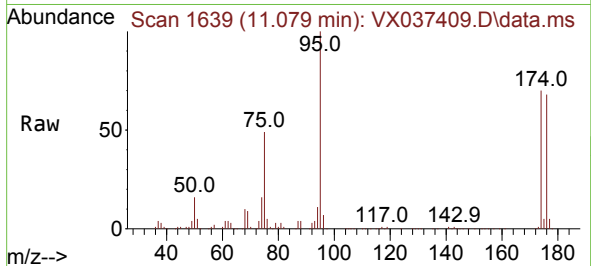




#62
4-Bromofluorobenzene
Concen: 44.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

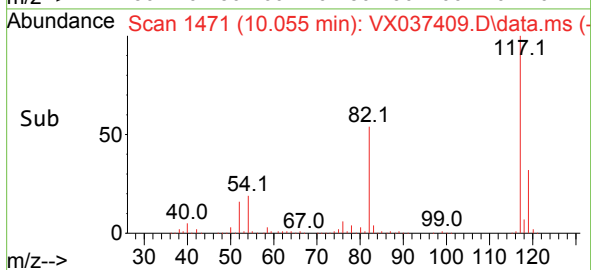
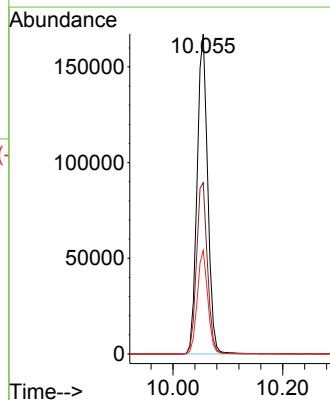
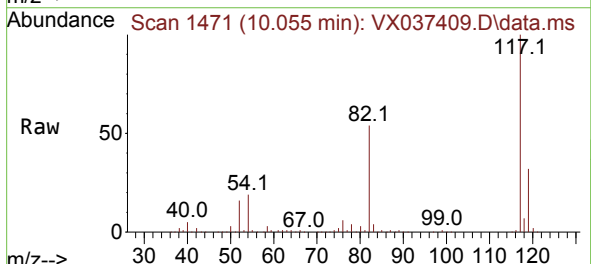
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20230822

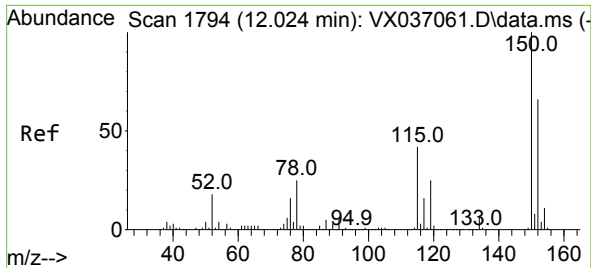
Tgt Ion: 95 Resp: 107315
Ion Ratio Lower Upper
95 100
174 72.8 0.0 135.6
176 71.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion: 117 Resp: 226183
Ion Ratio Lower Upper
117 100
82 53.5 46.2 69.4
119 32.3 25.5 38.3

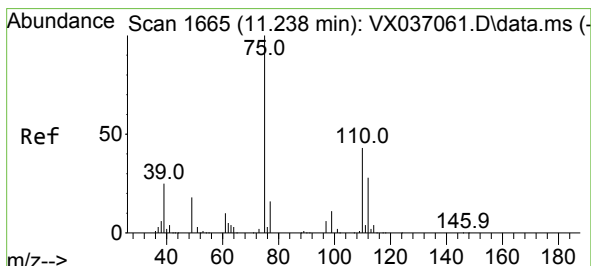
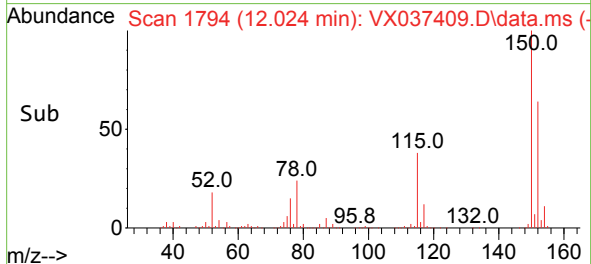
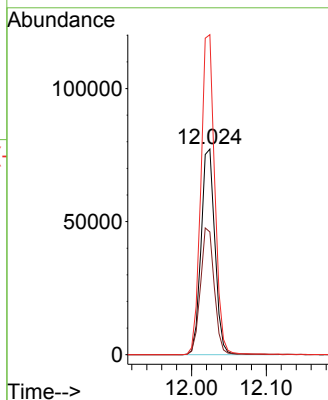
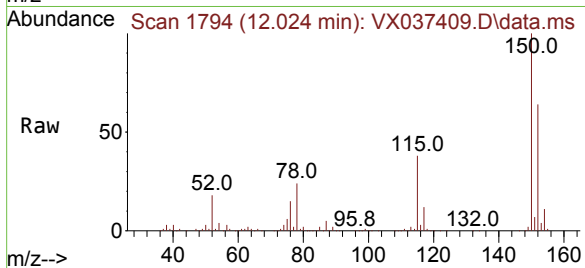




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

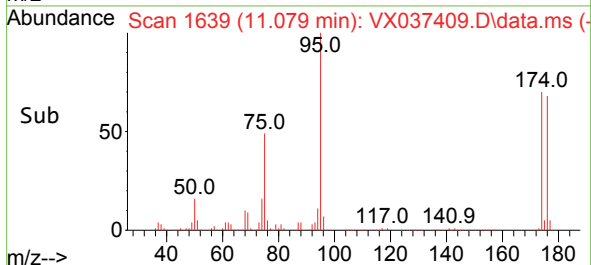
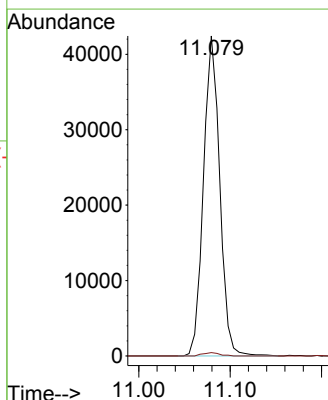
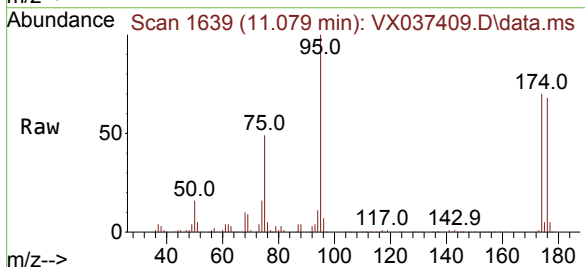
Instrument :
MSVOA_X
ClientSampleId :
DUP08-20230822

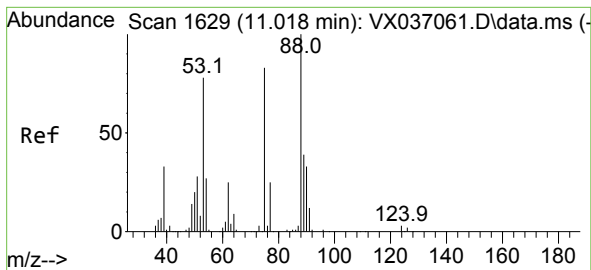
Tgt Ion:152 Resp: 99559
Ion Ratio Lower Upper
152 100
115 61.7 43.3 129.9
150 156.2 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.670 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037409.D
Acq: 31 Aug 2023 06:15

Tgt Ion: 75 Resp: 52308
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.905 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX037409.D
 Acq: 31 Aug 2023 06:15

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP08-20230822

Tgt Ion: 75 Resp: 52308
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

