

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037222.D
 Acq On : 24 Aug 2023 17:31
 Operator : JC/MD
 Sample : 04088-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-081823

Quant Time: Aug 24 23:39:55 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)

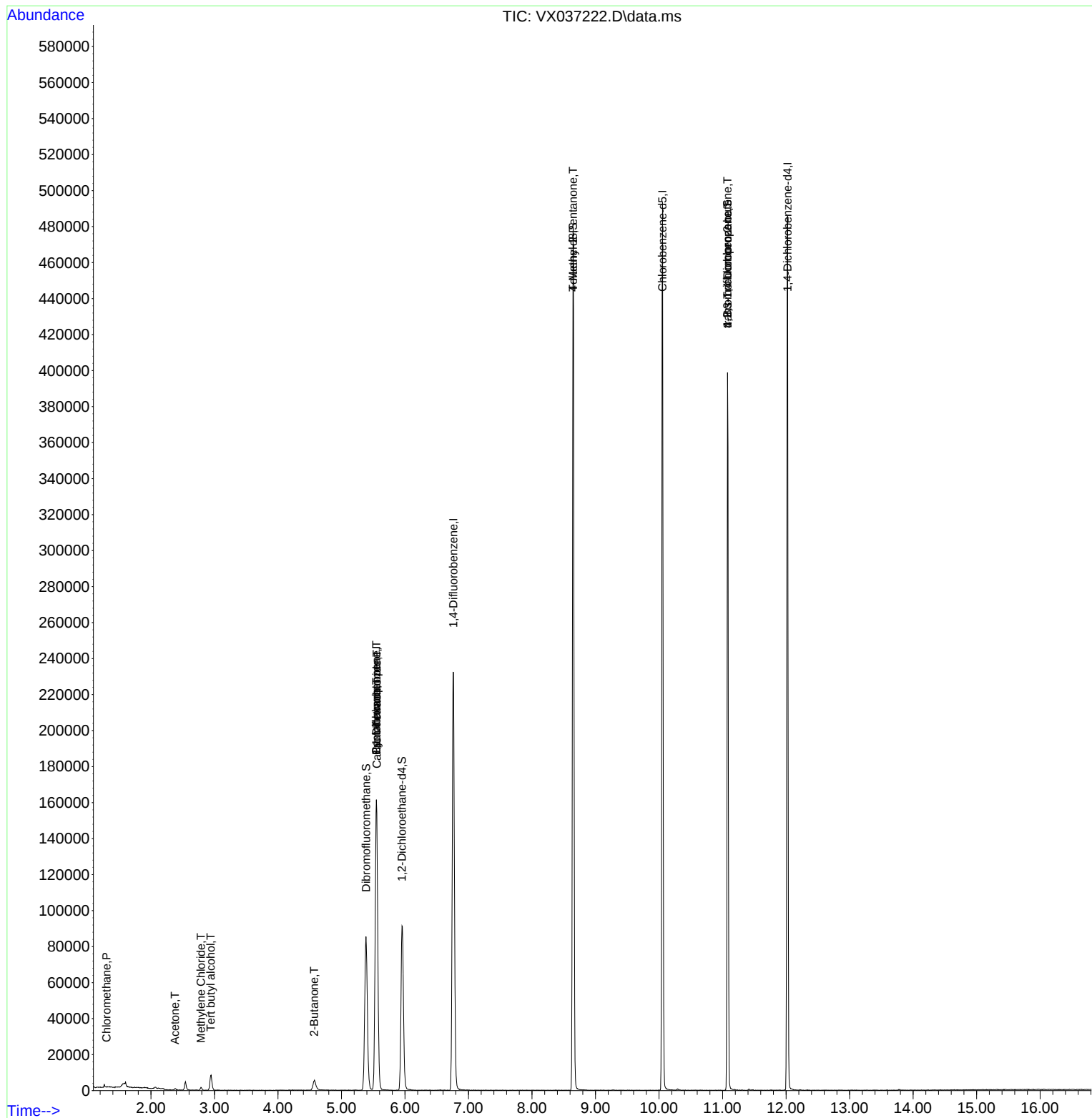
Internal Standards						
1) Pentafluorobenzene	5.550	168	150222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	247948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93998	43.403	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.800%
35) Dibromofluoromethane	5.385	113	75428	45.934	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.860%
50) Toluene-d8	8.647	98	289045	48.526	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.060%
62) 4-Bromofluorobenzene	11.079	95	111389	47.585	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	385	0.252	ug/l #	43
11) Tert butyl alcohol	2.940	59	5183	10.202	ug/l #	78
16) Acetone	2.380	43	1064	1.256	ug/l	91
20) Methylene Chloride	2.788	84	911	0.481	ug/l #	76
25) 2-Butanone	4.568	43	279	0.219	ug/l #	51
31) Cyclohexane	5.550	56	2947	1.210	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	12296	5.271	ug/l #	51
38) Carbon Tetrachloride	5.556	117	15935	6.288	ug/l #	14
51) 4-Methyl-2-Pentanone	8.647	43	1079	0.470	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	56220	25.383	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	56220	70.897	ug/l #	5

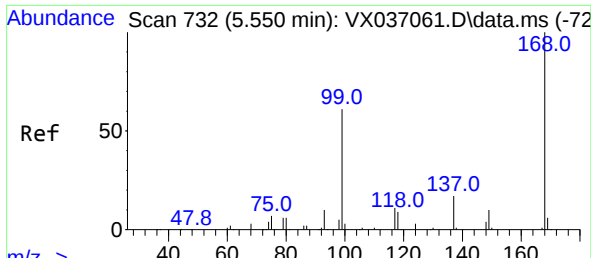
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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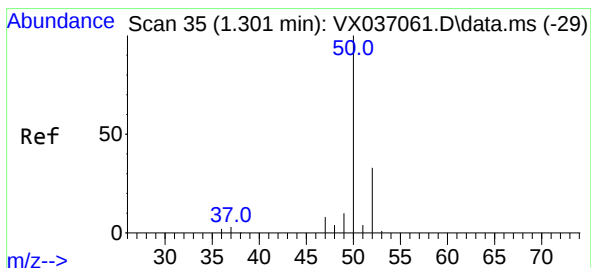
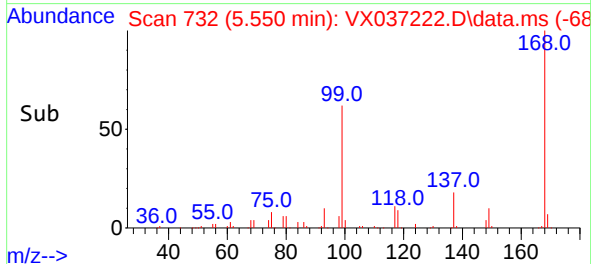
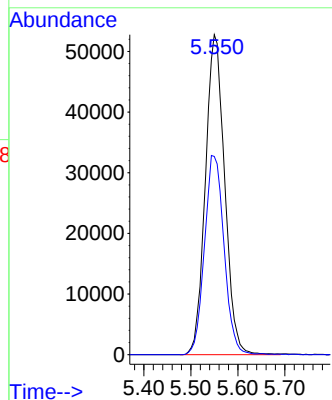
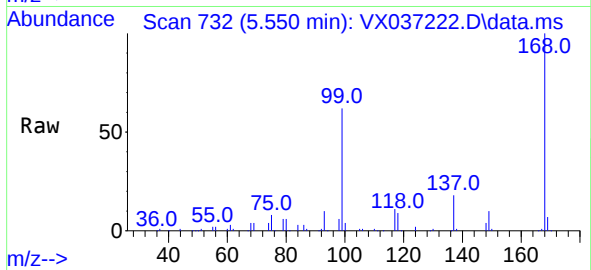




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

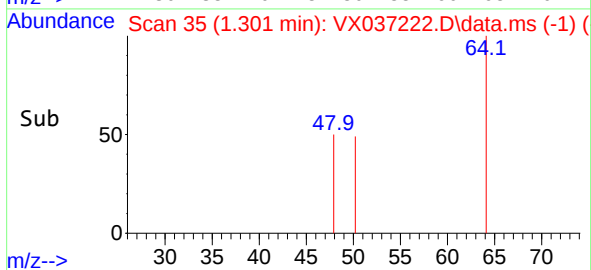
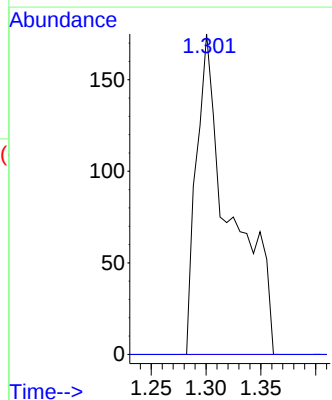
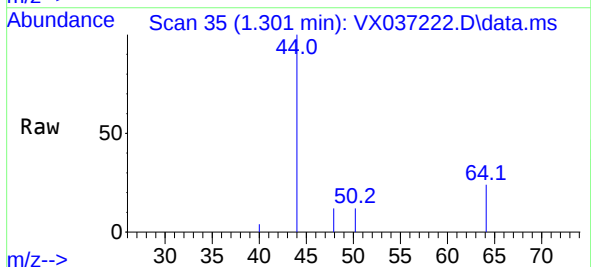
Instrument :
MSVOA_X
ClientSampleId :
FB-081823

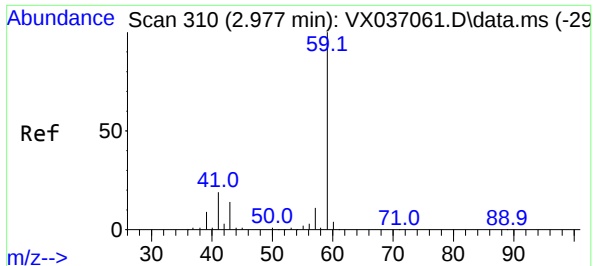
Tgt Ion:168 Resp: 150222
Ion Ratio Lower Upper
168 100
99 62.0 56.6 85.0



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Tgt Ion: 50 Resp: 385
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 10.202 ug/l

RT: 2.940 min Scan# 30

Delta R.T. -0.037 min

Lab File: VX037222.D

Acq: 24 Aug 2023 17:31

Instrument :

MSVOA_X

ClientSampleId :

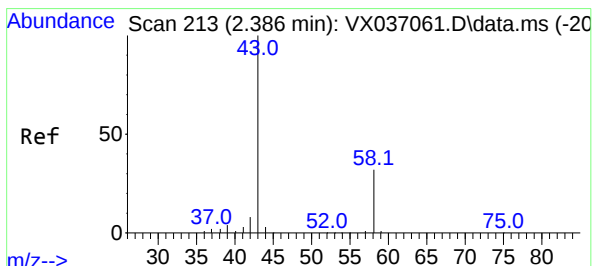
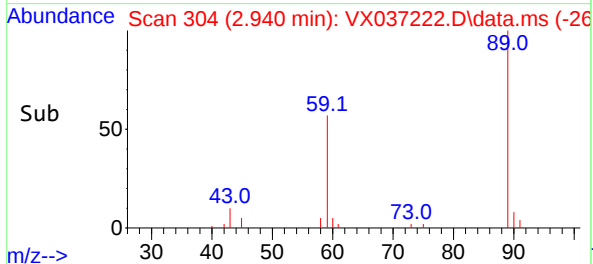
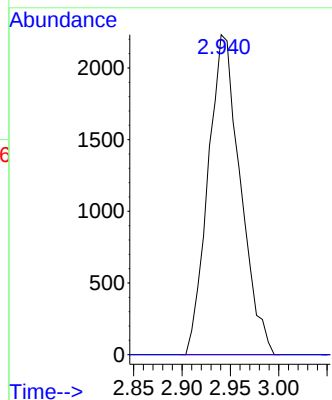
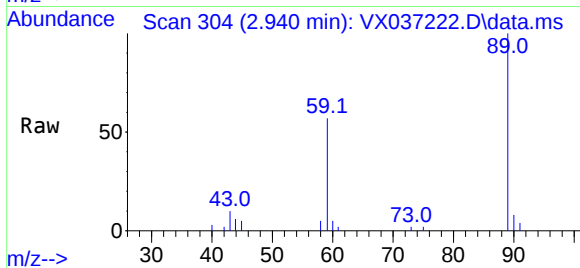
FB-081823

Tgt Ion: 59 Resp: 5183

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 1.256 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037222.D

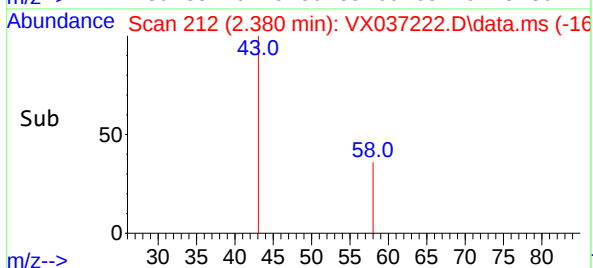
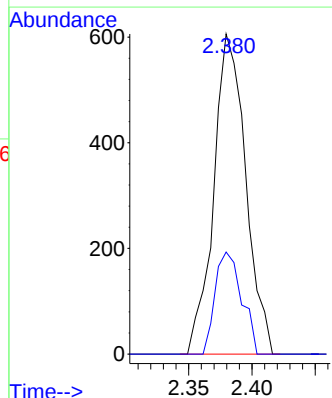
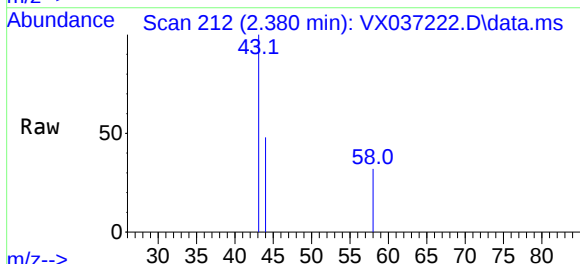
Acq: 24 Aug 2023 17:31

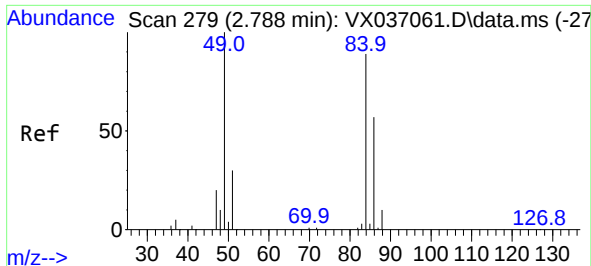
Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

58 31.8 21.9 32.9





#20

Methylene Chloride

Concen: 0.481 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX037222.D

Acq: 24 Aug 2023 17:31

Instrument :

MSVOA_X

ClientSampleId :

FB-081823

Tgt Ion: 84 Resp: 911

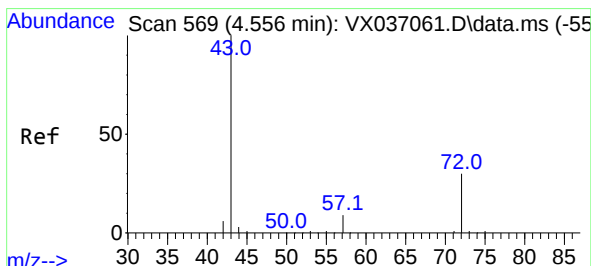
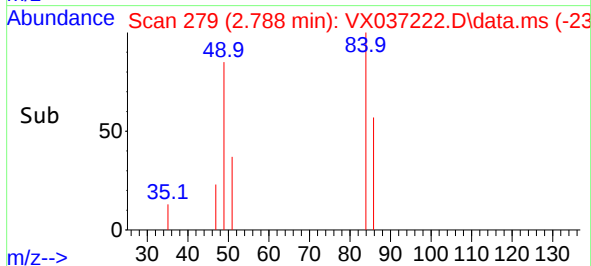
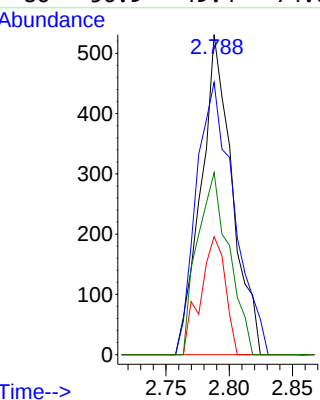
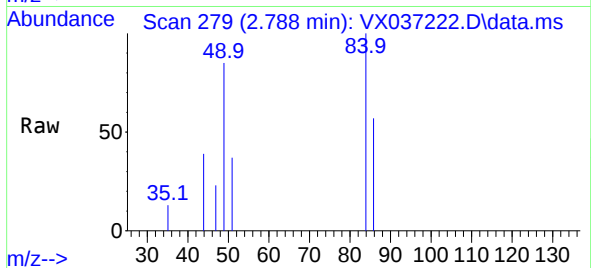
Ion Ratio Lower Upper

84 100

49 85.1 103.6 155.4#

51 36.9 33.8 50.6

86 56.9 49.4 74.0



#25

2-Butanone

Concen: 0.219 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX037222.D

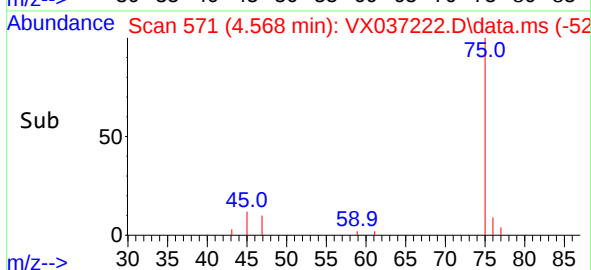
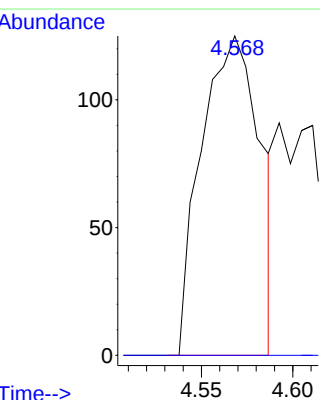
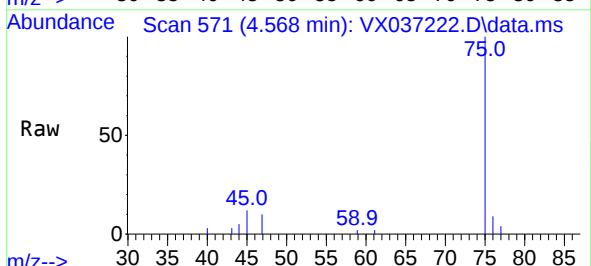
Acq: 24 Aug 2023 17:31

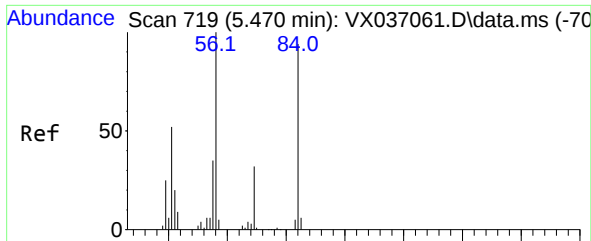
Tgt Ion: 43 Resp: 279

Ion Ratio Lower Upper

43 100

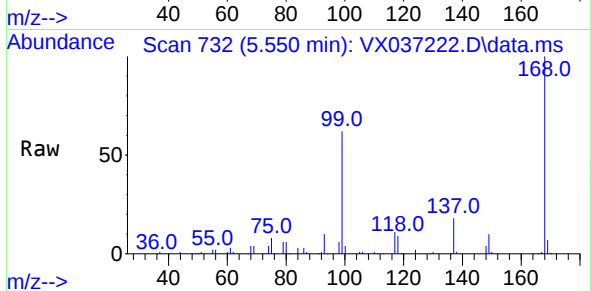
72 0.0 19.4 29.2#



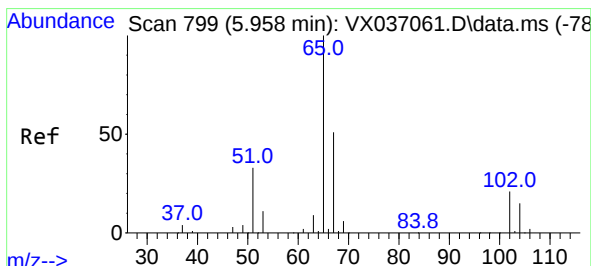
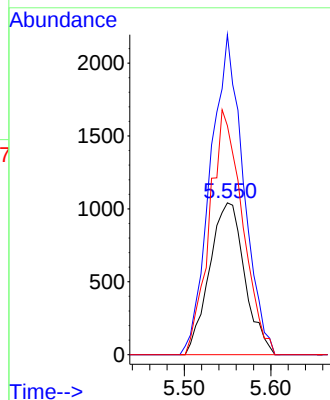
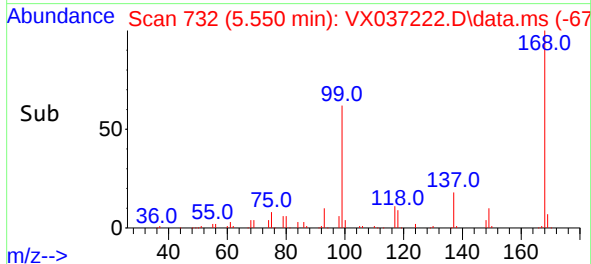


#31
Cyclohexane
Concen: 1.210 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Instrument :
MSVOA_X
ClientSampleId :
FB-081823

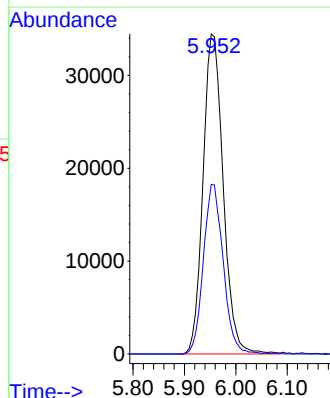
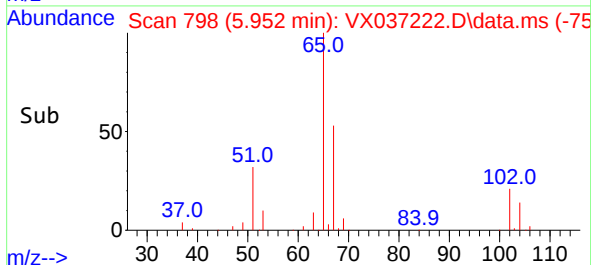
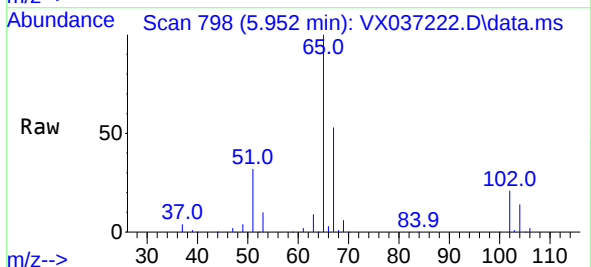


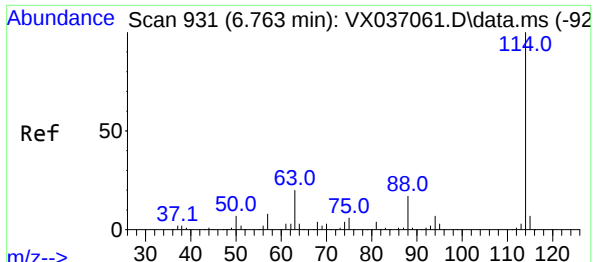
Tgt Ion: 56 Resp: 2947
Ion Ratio Lower Upper
56 100
69 210.7 23.4 35.2#
84 150.7 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.403 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Tgt Ion: 65 Resp: 93998
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

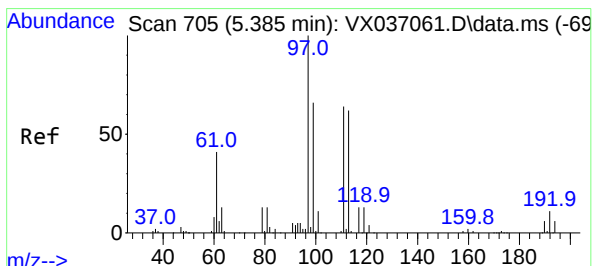
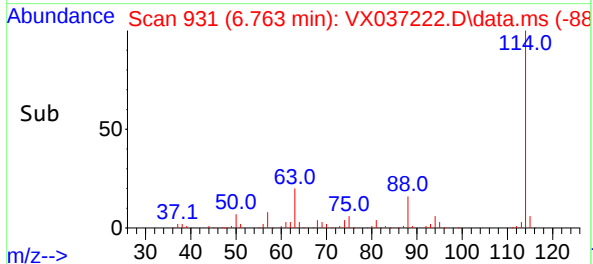
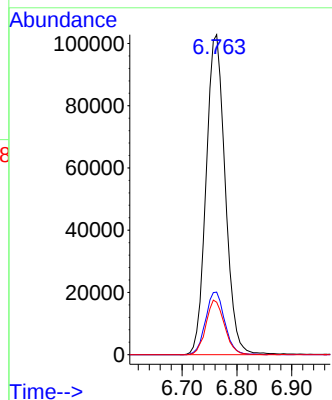
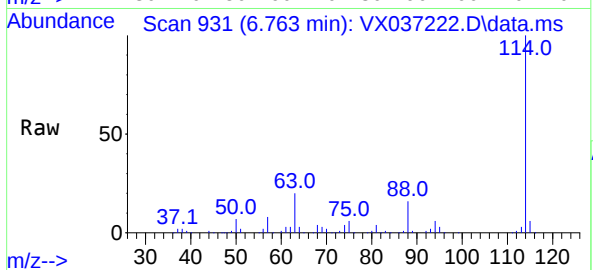




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

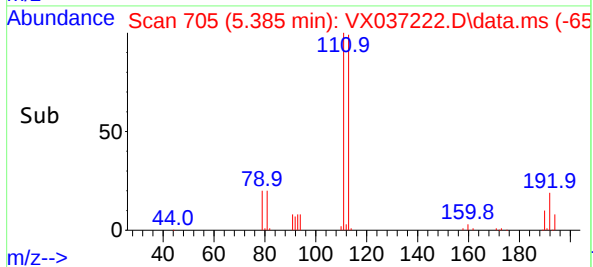
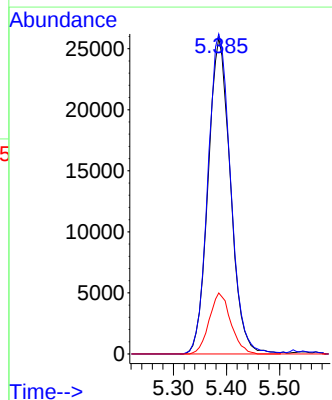
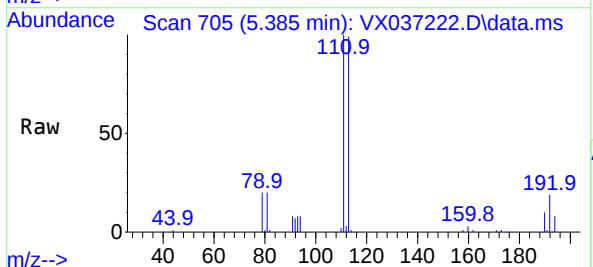
Instrument :
MSVOA_X
ClientSampleId :
FB-081823

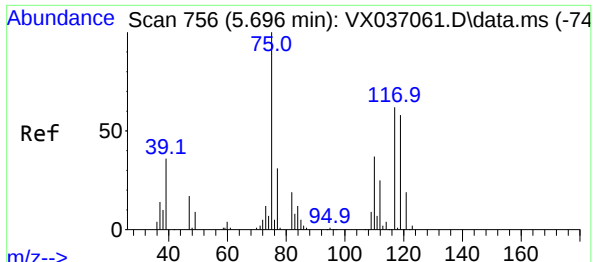
Tgt Ion:114 Resp: 247948
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.934 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Tgt Ion:113 Resp: 75428
Ion Ratio Lower Upper
113 100
111 103.0 82.9 124.3
192 18.7 13.3 19.9

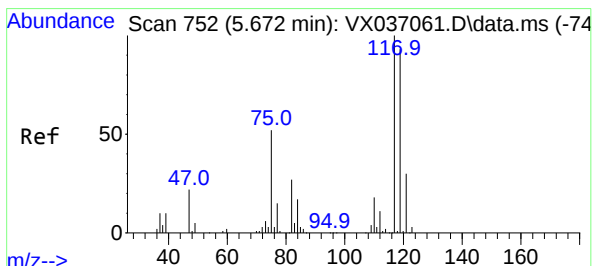
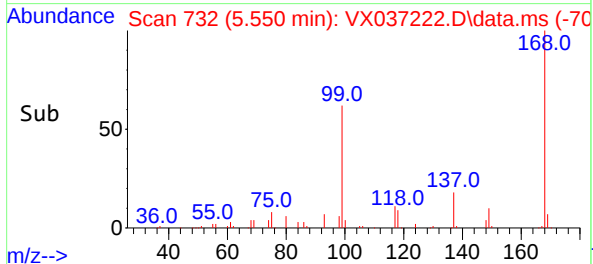
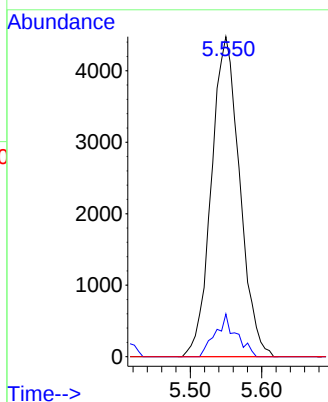
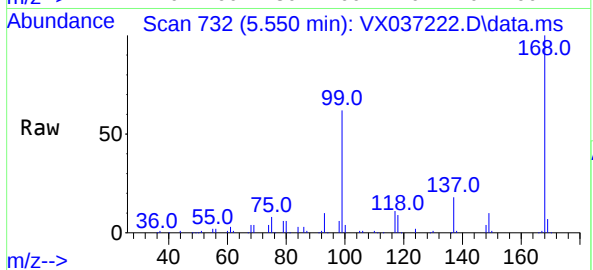




#36
1,1-Dichloropropene
Concen: 5.271 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

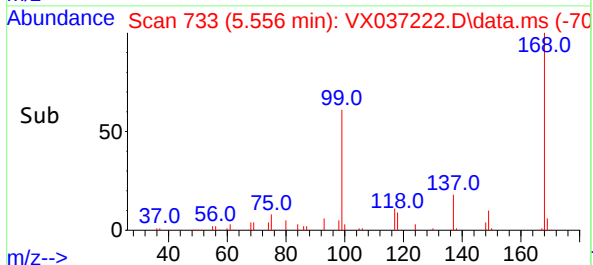
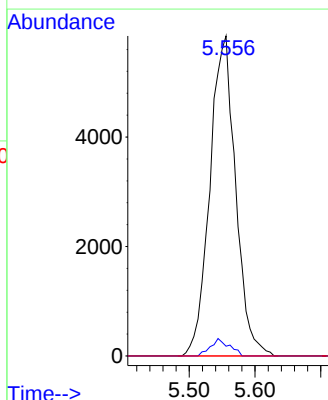
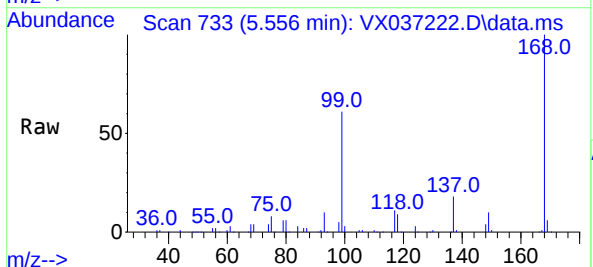
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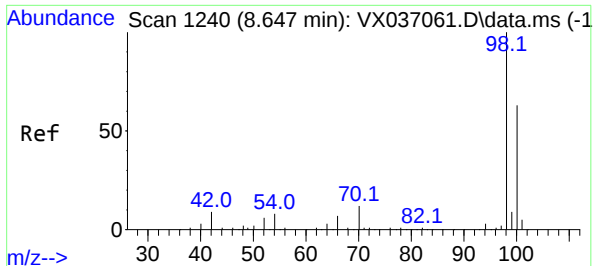
Tgt Ion: 75 Resp: 12296
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.288 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Tgt Ion: 117 Resp: 15935
Ion Ratio Lower Upper
117 100
119 3.1 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 48.526 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037222.D

Acq: 24 Aug 2023 17:31

Instrument :

MSVOA_X

ClientSampleId :

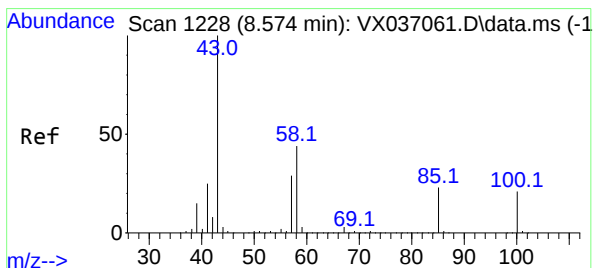
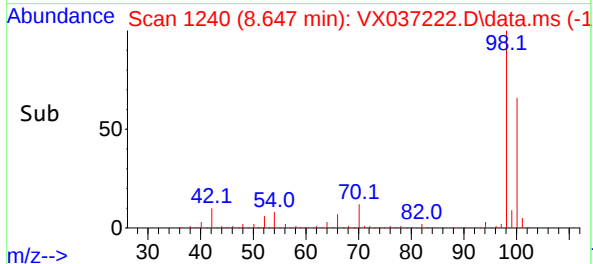
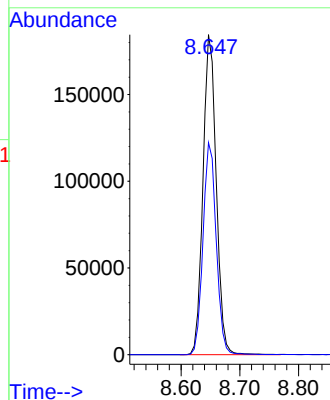
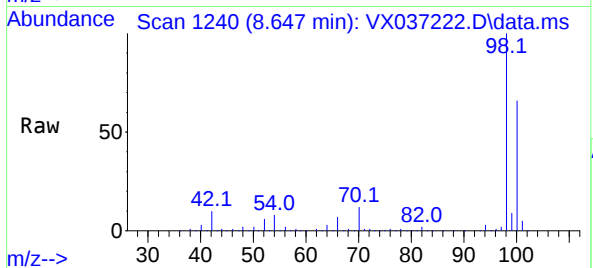
FB-081823

Tgt Ion: 98 Resp: 289045

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.470 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037222.D

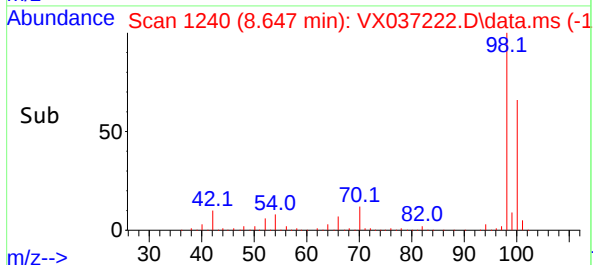
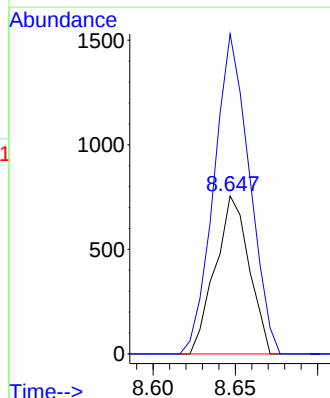
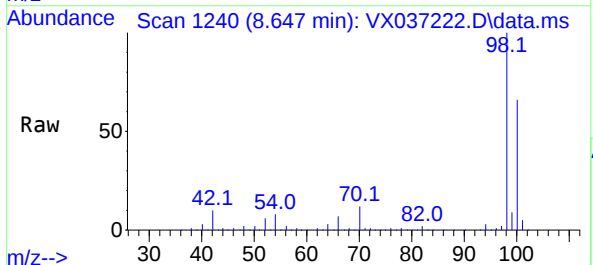
Acq: 24 Aug 2023 17:31

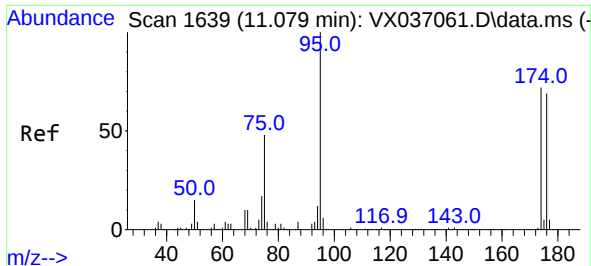
Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43 100

58 212.4 30.4 45.6#

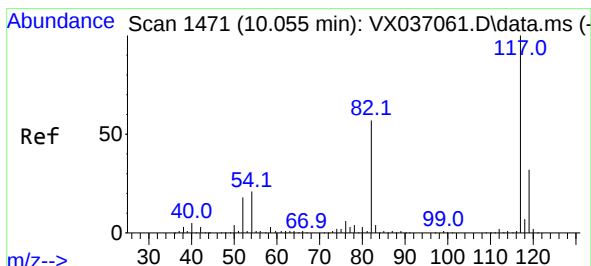
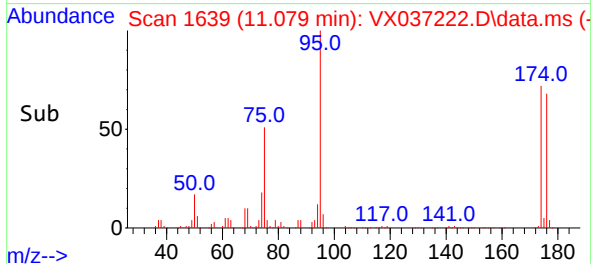
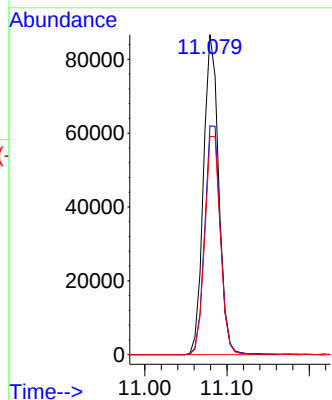
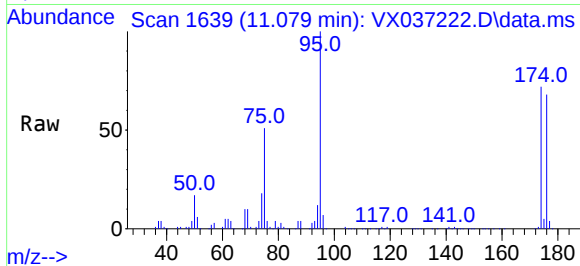




#62
4-Bromofluorobenzene
Concen: 47.585 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

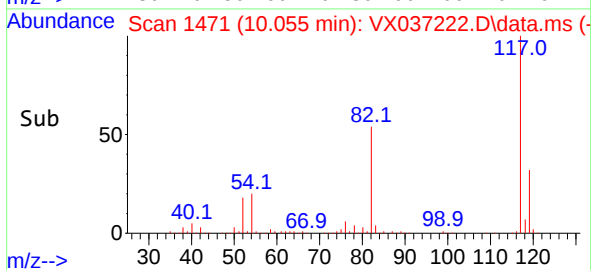
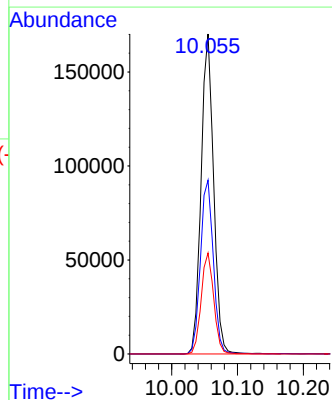
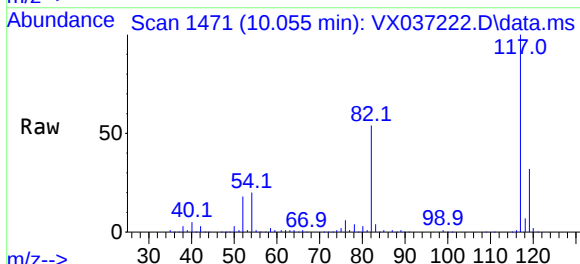
Instrument :
MSVOA_X
ClientSampleId :
FB-081823

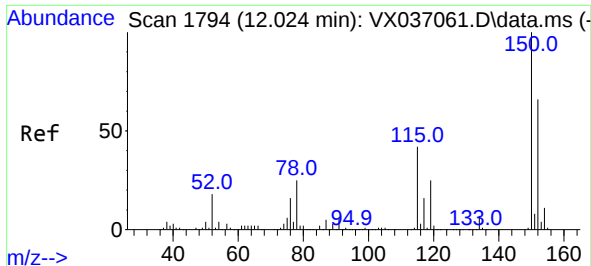
Tgt Ion: 95 Resp: 111389
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 70.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Tgt Ion: 117 Resp: 224782
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 31.6 25.5 38.3

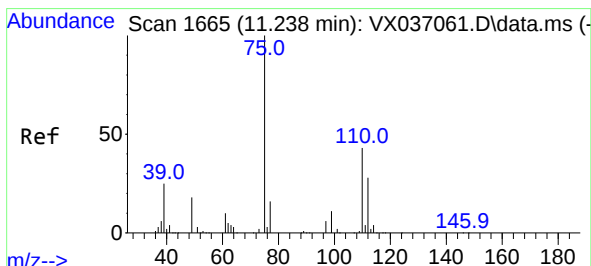
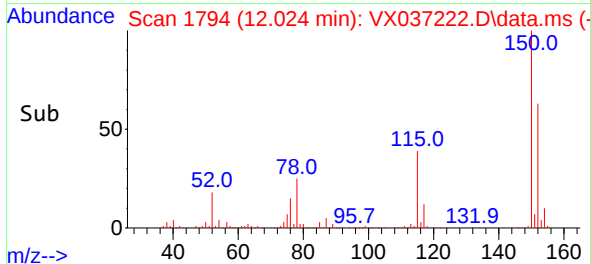
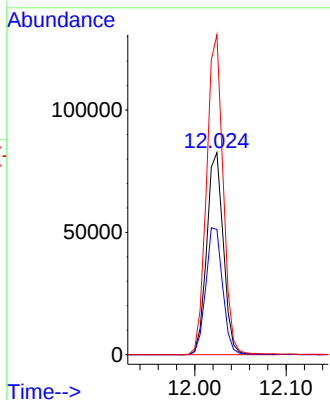
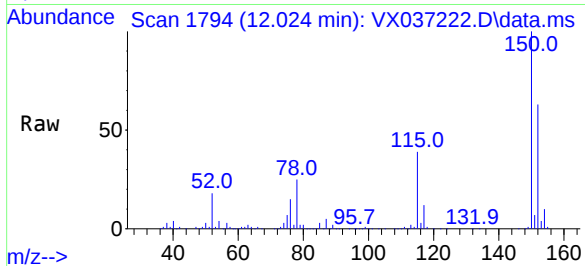




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

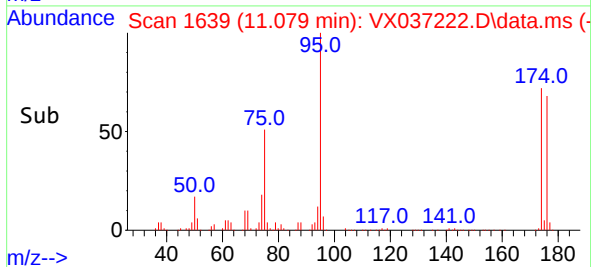
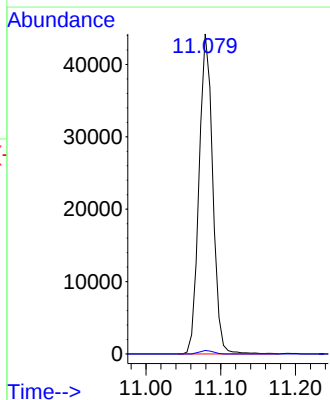
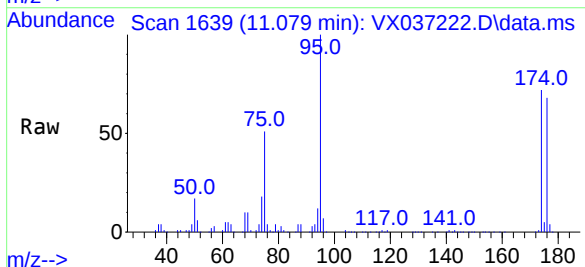
Instrument :
MSVOA_X
ClientSampleId :
FB-081823

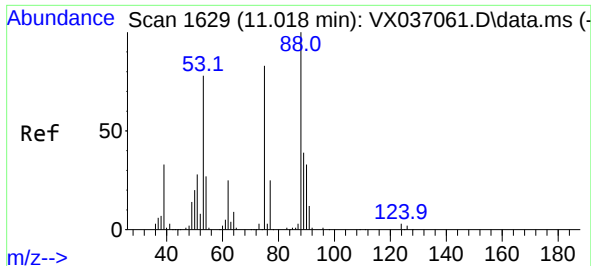
Tgt Ion:152 Resp: 103999
Ion Ratio Lower Upper
152 100
115 64.0 43.3 129.9
150 158.0 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 25.383 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Tgt Ion: 75 Resp: 56220
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.897 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX037222.D
Acq: 24 Aug 2023 17:31

Instrument :
MSVOA_X
ClientSampleId :
FB-081823

Tgt Ion: 75 Resp: 56220
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

