

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102023\
 Data File : VX038397.D
 Acq On : 20 Oct 2023 13:10
 Operator : JC/MD
 Sample : 04985-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-101823

Quant Time: Oct 21 01:29:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

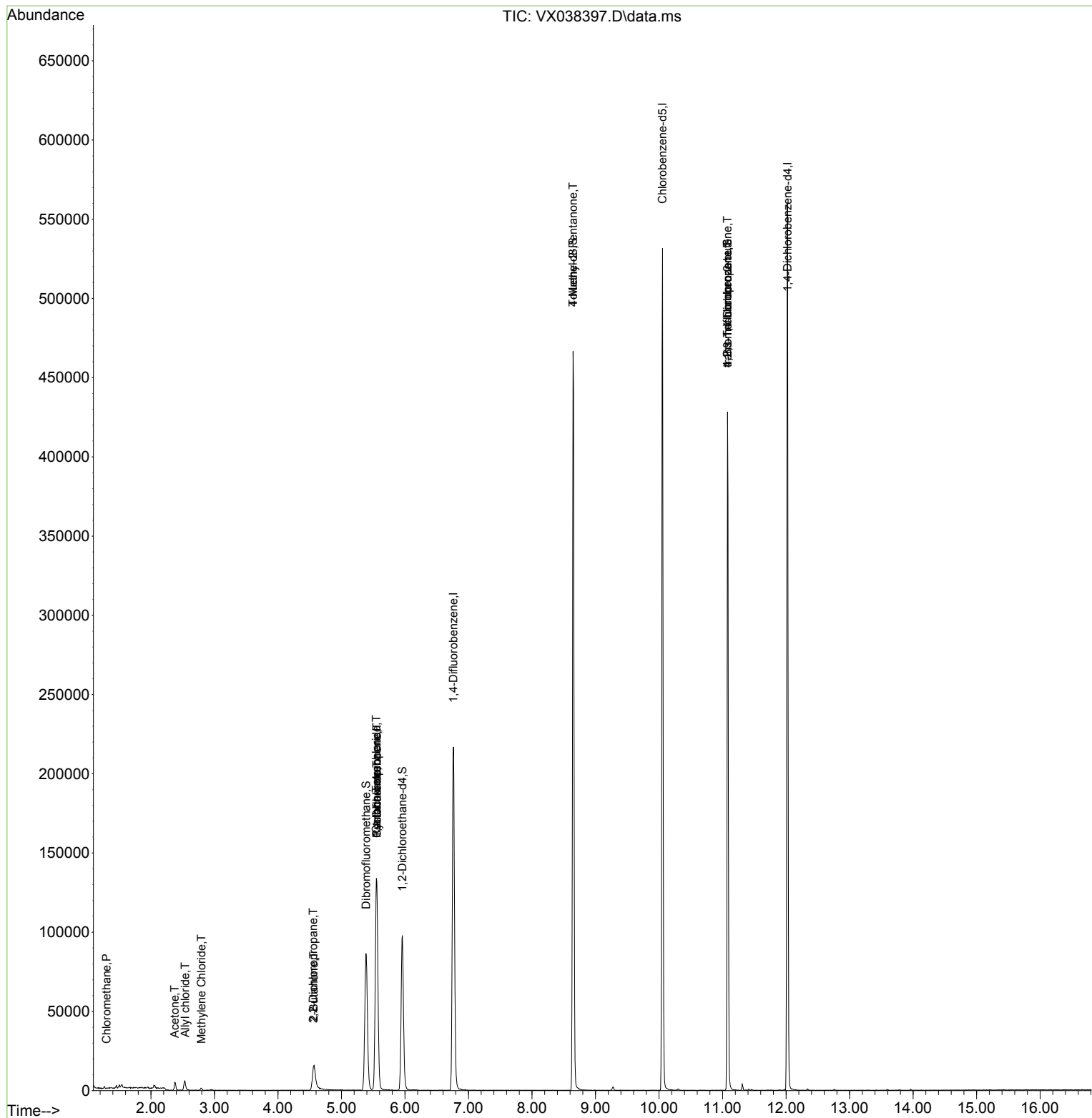
Internal Standards						
1) Pentafluorobenzene	5.556	168	128114	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	228460	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232955	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	90978	44.151	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.300%
35) Dibromofluoromethane	5.385	113	75300	45.742	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.480%
50) Toluene-d8	8.647	98	285581	45.399	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.800%#
62) 4-Bromofluorobenzene	11.079	95	107730	45.173	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.340%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	387	0.307	ug/l	# 86
5) Bromomethane	1.605	94	41	Below Cal	#	3
6) Chloroethane	1.691	64	77	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	659	Below Cal	#	78
14) Allyl chloride	2.538	41	712	0.340	ug/l	# 70
16) Acetone	2.373	43	5543	6.445	ug/l	98
20) Methylene Chloride	2.794	84	677	0.419	ug/l	# 92
25) 2-Butanone	4.562	43	761	0.548	ug/l	# 81
26) 2,2-Dichloropropane	4.556	77	1288	0.619	ug/l	# 54
31) Cyclohexane	5.556	56	3078	1.379	ug/l	# 1
36) 1,1-Dichloropropene	5.556	75	11548	5.087	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	13426	6.012	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.647	43	1297	0.467	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	58429	21.451	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	58429	61.616	ug/l	# 5

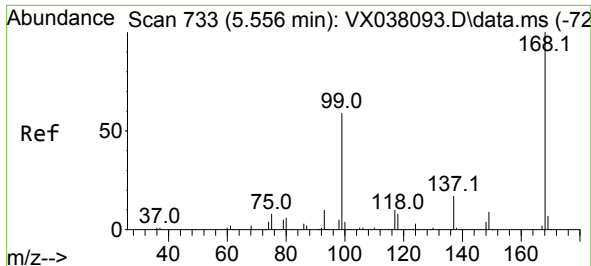
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
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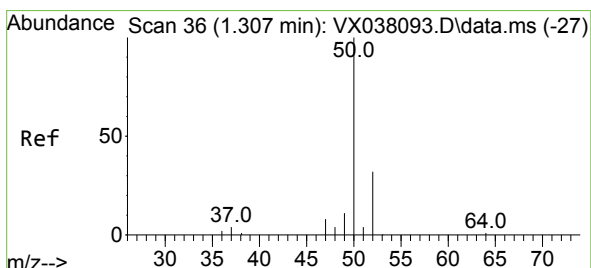
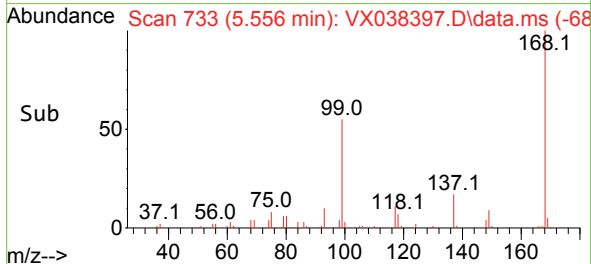
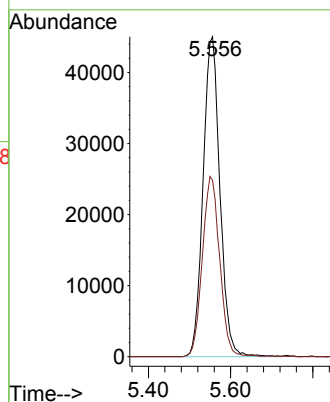
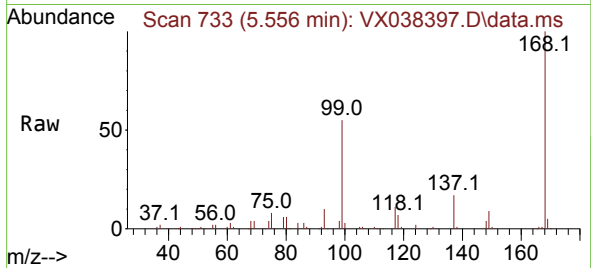




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

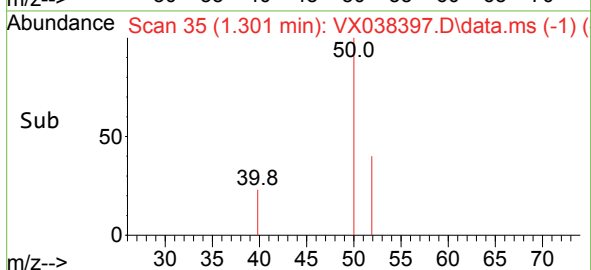
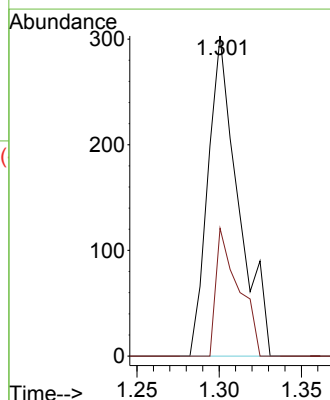
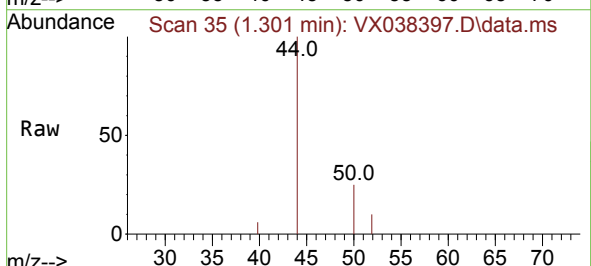
Instrument :
MSVOA_X
ClientSampleId :
FB-101823

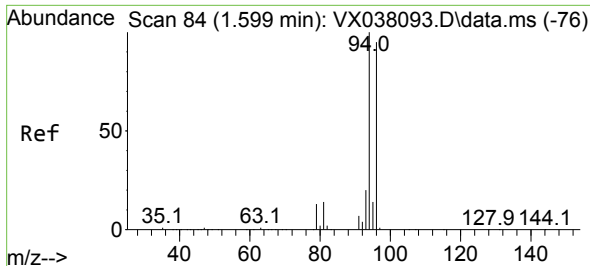
Tgt Ion:168 Resp: 128114
Ion Ratio Lower Upper
168 100
99 55.2 56.6 85.0#



#3
Chloromethane
Concen: 0.307 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

Tgt Ion: 50 Resp: 387
Ion Ratio Lower Upper
50 100
52 39.9 25.5 38.3#

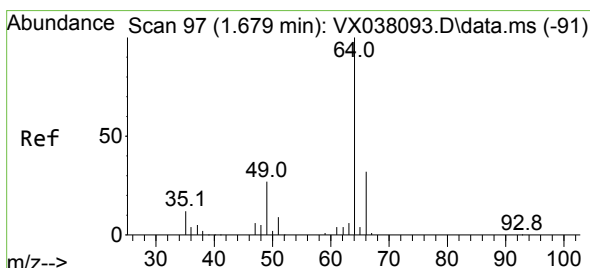
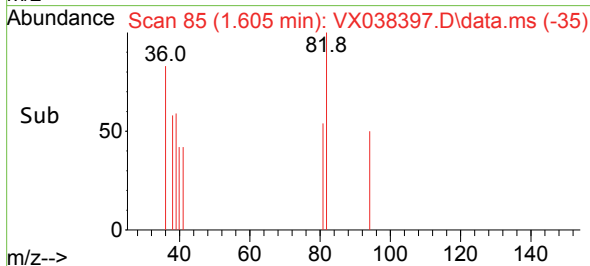
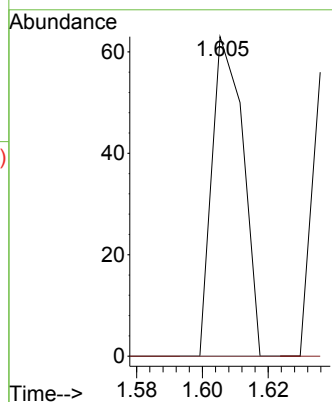
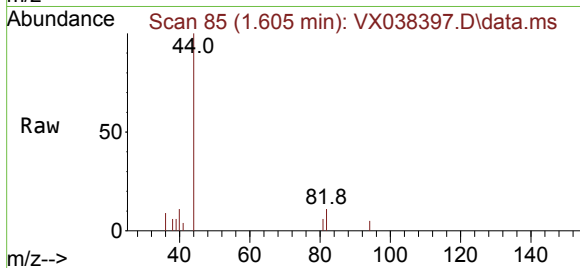




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

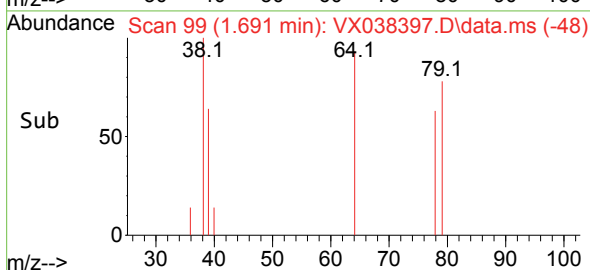
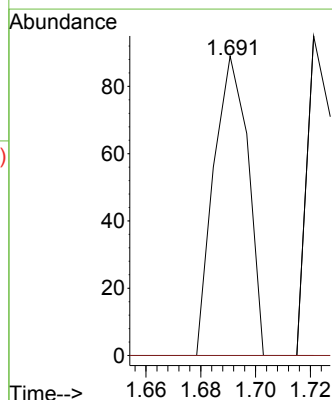
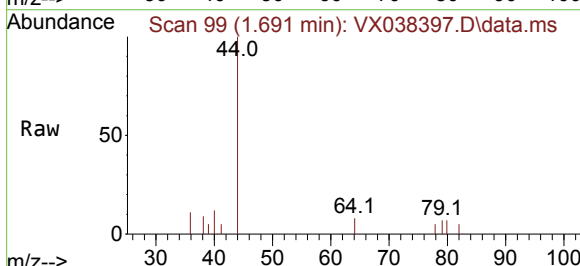
Instrument :
MSVOA_X
ClientSampleId :
FB-101823

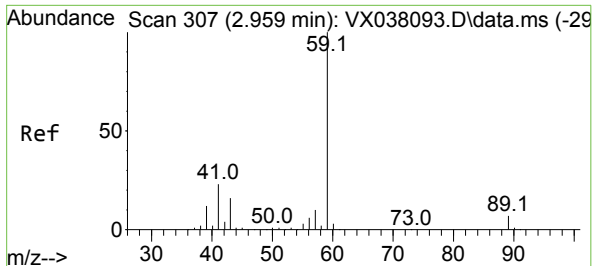
Tgt Ion: 94 Resp: 41
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

Tgt Ion: 64 Resp: 77
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 307

Delta R.T. -0.006 min

Lab File: VX038397.D

Acq: 20 Oct 2023 13:10

Instrument :

MSVOA_X

ClientSampleId :

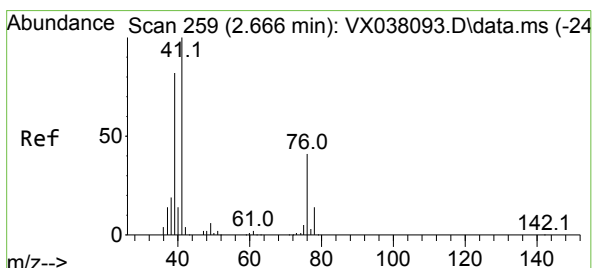
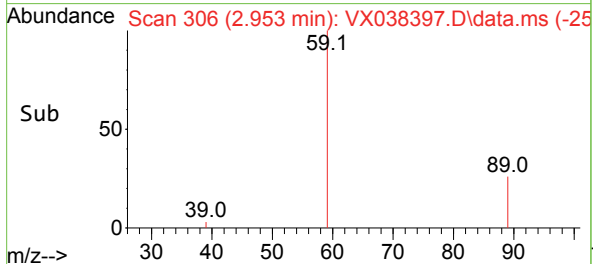
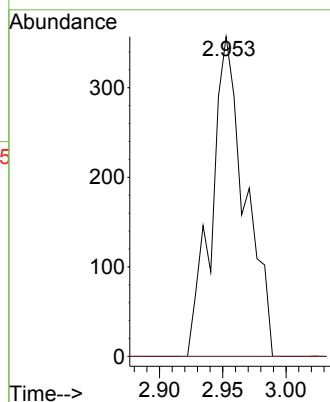
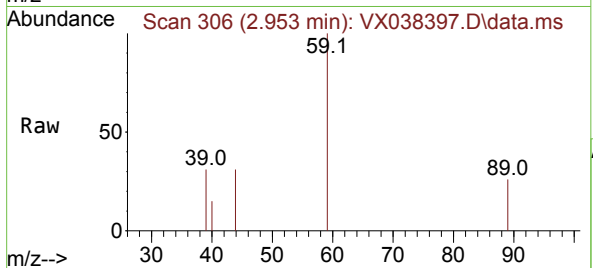
FB-101823

Tgt Ion: 59 Resp: 659

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#14

Allyl chloride

Concen: 0.340 ug/l

RT: 2.538 min Scan# 238

Delta R.T. -0.122 min

Lab File: VX038397.D

Acq: 20 Oct 2023 13:10

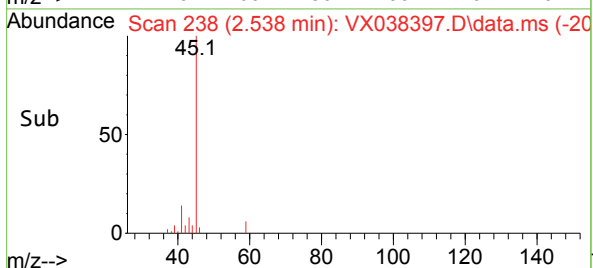
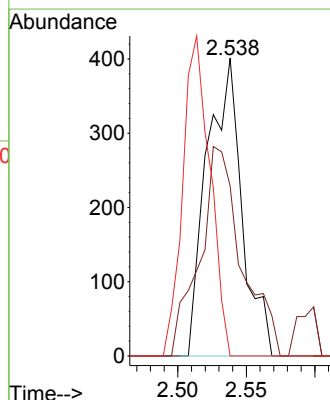
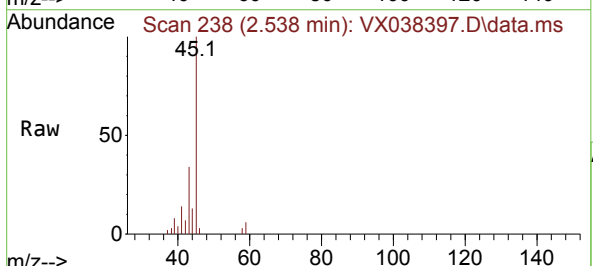
Tgt Ion: 41 Resp: 712

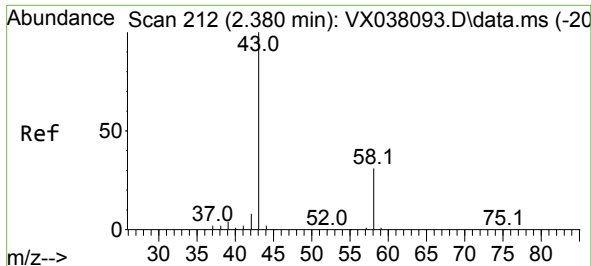
Ion Ratio Lower Upper

41 100

39 84.6 55.8 83.6#

76 0.0 24.3 36.5#





#16

Acetone

Concen: 6.445 ug/l

RT: 2.373 min Scan# 21

Delta R.T. -0.007 min

Lab File: VX038397.D

Acq: 20 Oct 2023 13:10

Instrument :

MSVOA_X

ClientSampleId :

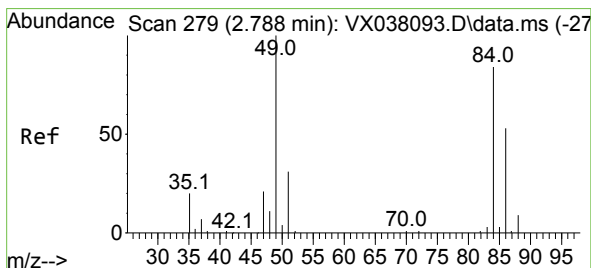
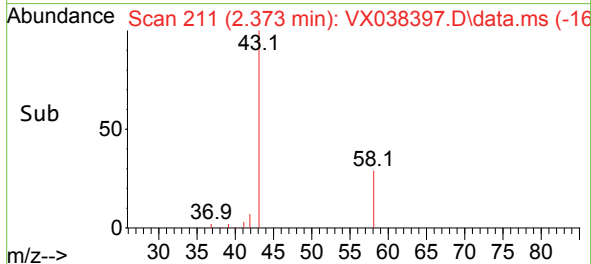
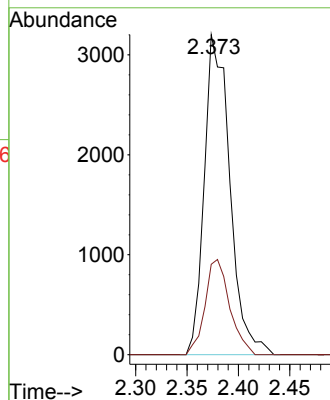
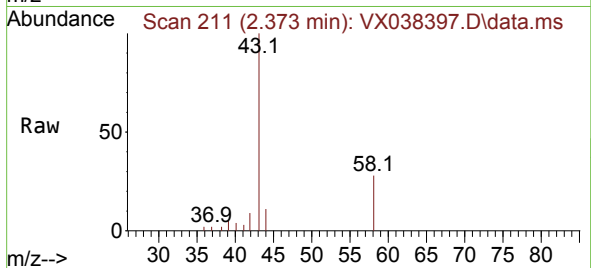
FB-101823

Tgt Ion: 43 Resp: 5543

Ion Ratio Lower Upper

43 100

58 28.2 21.9 32.9



#20

Methylene Chloride

Concen: 0.419 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX038397.D

Acq: 20 Oct 2023 13:10

Tgt Ion: 84 Resp: 677

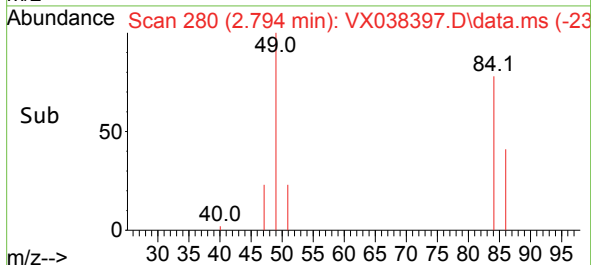
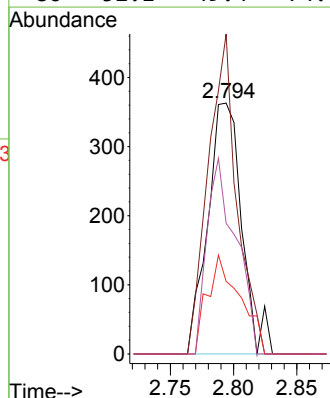
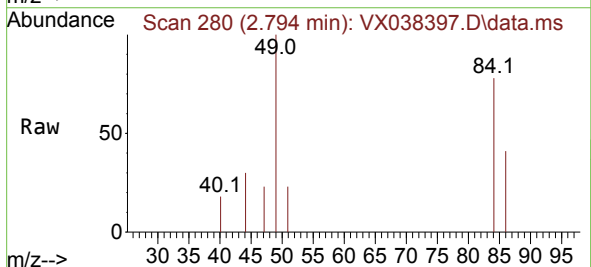
Ion Ratio Lower Upper

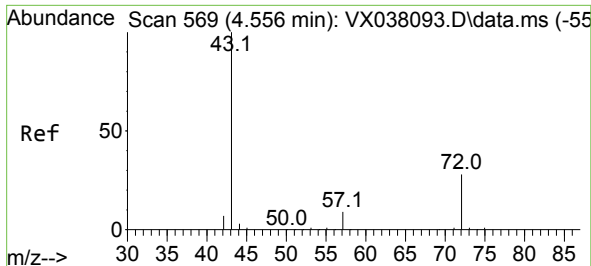
84 100

49 127.5 103.6 155.4

51 28.9 33.8 50.6#

86 52.1 49.4 74.0





#25

2-Butanone

Concen: 0.548 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX038397.D

Acq: 20 Oct 2023 13:10

Instrument :

MSVOA_X

ClientSampleId :

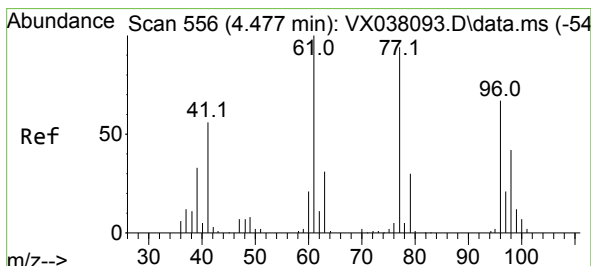
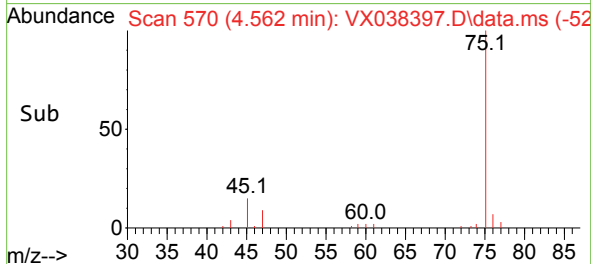
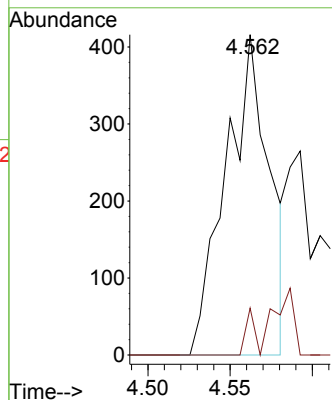
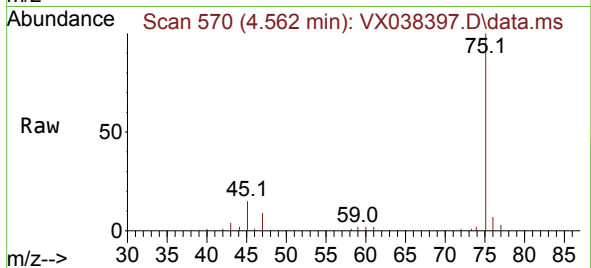
FB-101823

Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

72 14.7 19.4 29.2#



#26

2,2-Dichloropropane

Concen: 0.619 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.079 min

Lab File: VX038397.D

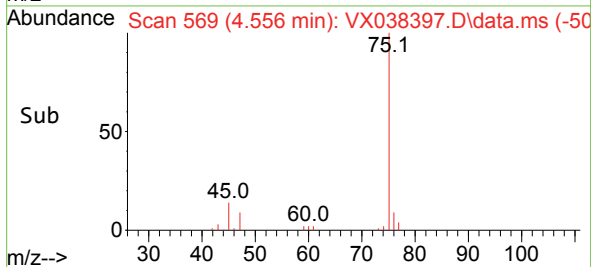
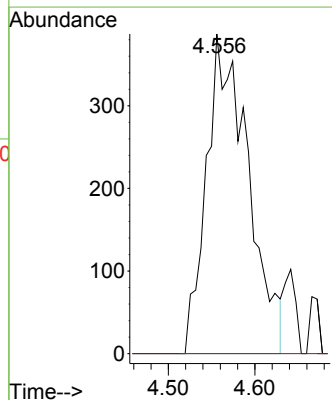
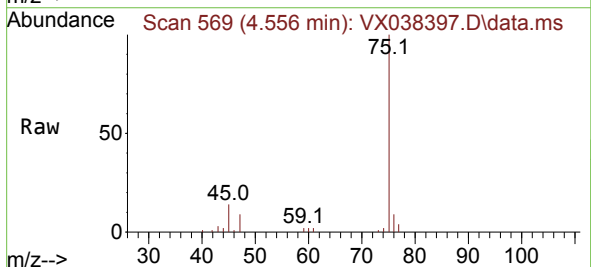
Acq: 20 Oct 2023 13:10

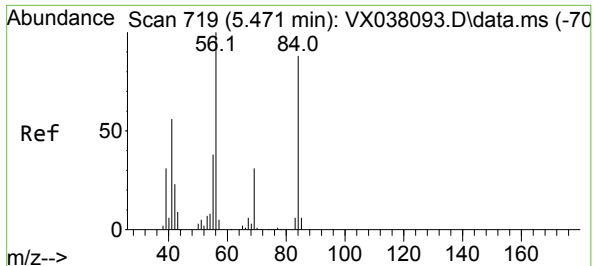
Tgt Ion: 77 Resp: 1288

Ion Ratio Lower Upper

77 100

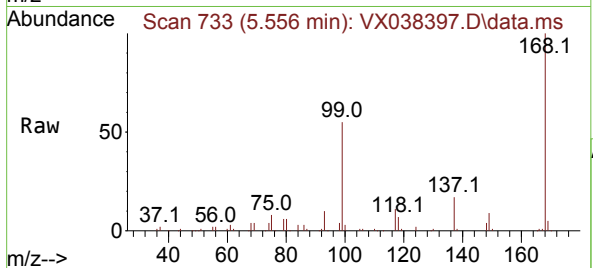
97 0.0 10.8 32.3#



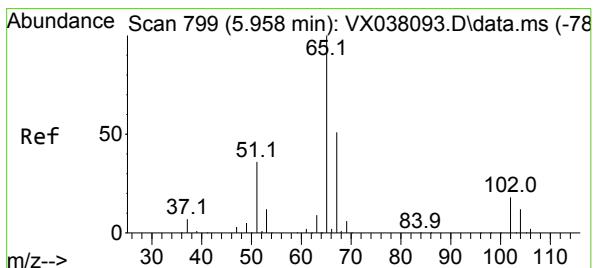
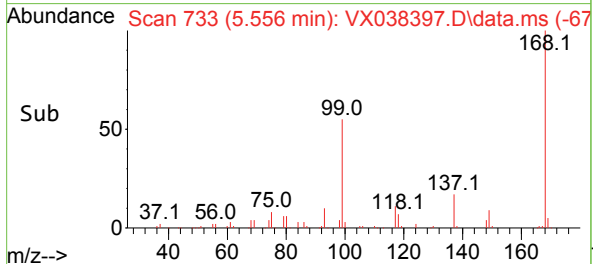
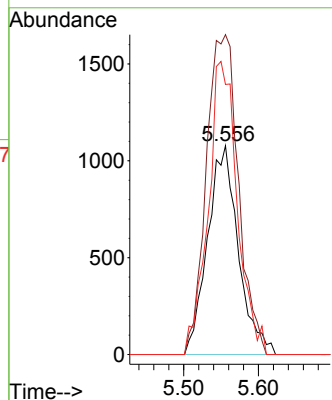


#31
Cyclohexane
Concen: 1.379 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

Instrument :
MSVOA_X
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FB-101823

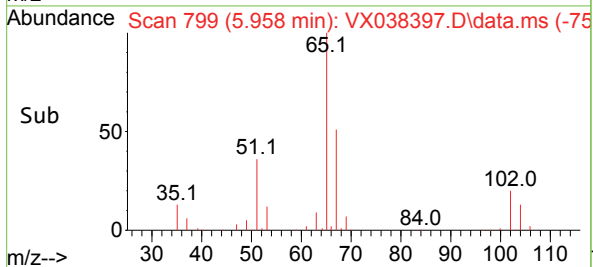
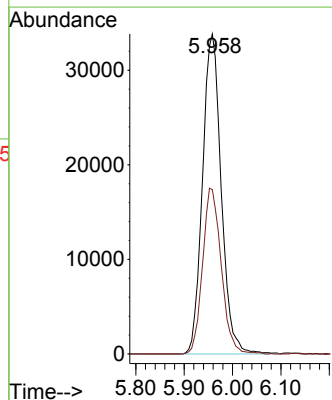
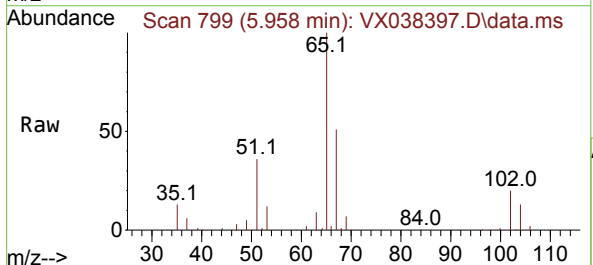


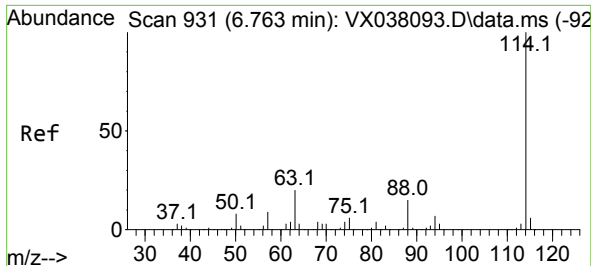
Tgt Ion: 56 Resp: 3078
Ion Ratio Lower Upper
56 100
69 153.2 23.4 35.2#
84 129.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 44.151 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

Tgt Ion: 65 Resp: 90978
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

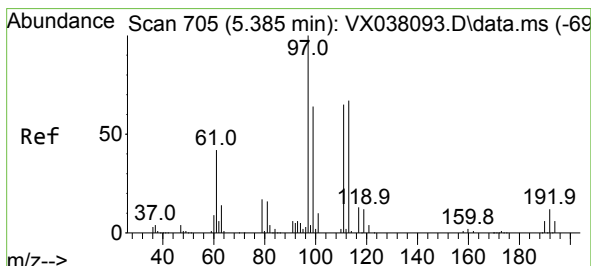
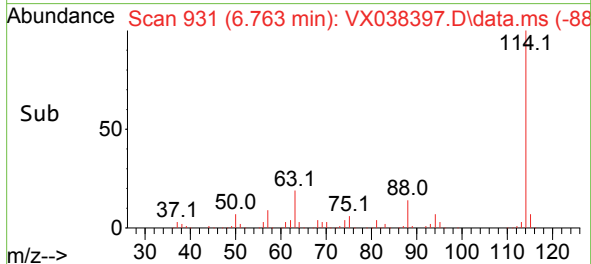
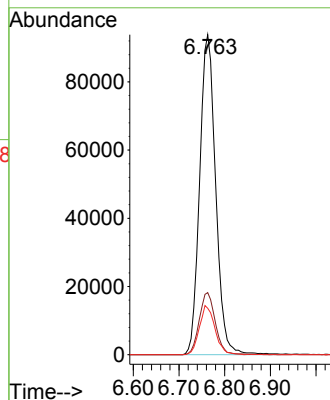
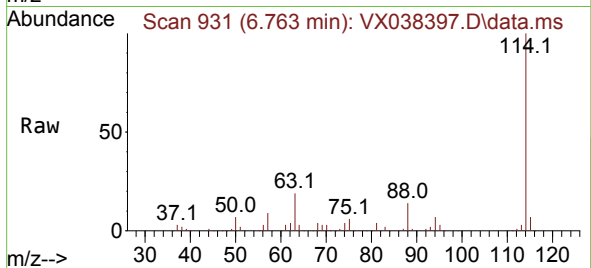




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

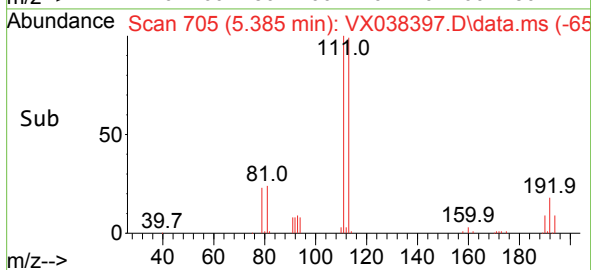
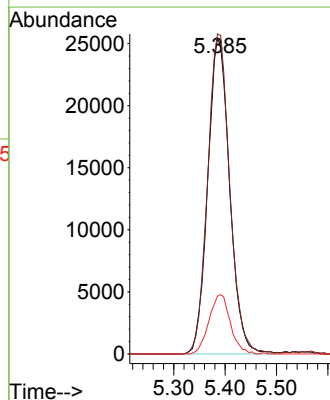
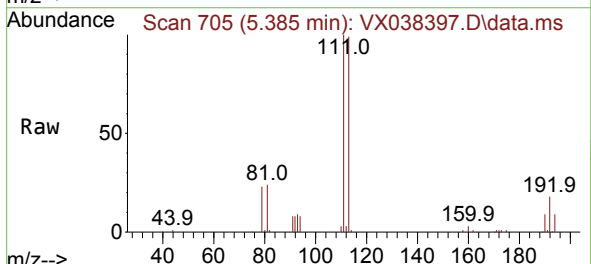
Instrument :
MSVOA_X
ClientSampleId :
FB-101823

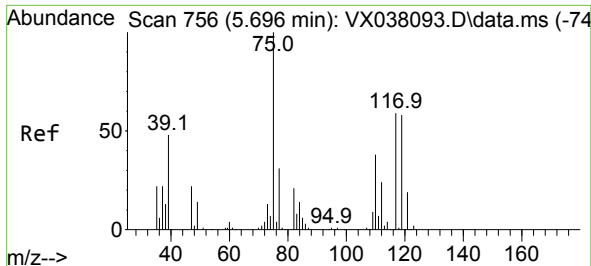
Tgt Ion:114 Resp: 228460
Ion Ratio Lower Upper
114 100
63 19.4 0.0 45.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.742 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

Tgt Ion:113 Resp: 75300
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 18.3 13.3 19.9

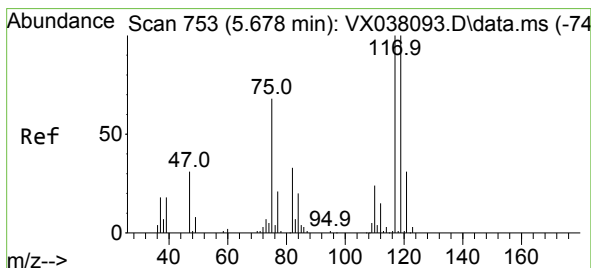
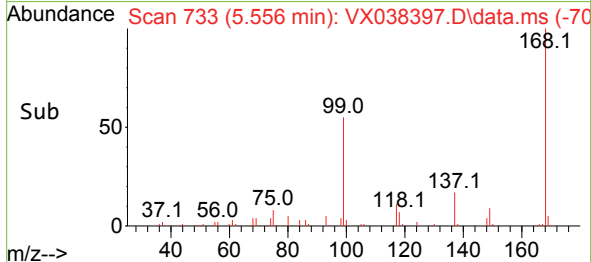
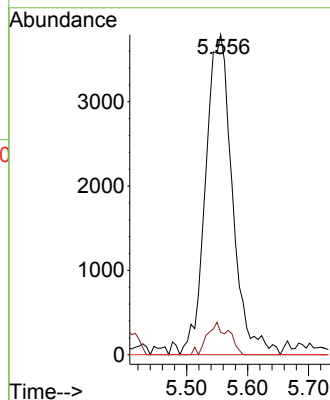
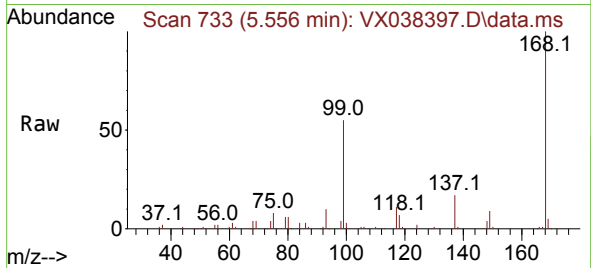




#36
 1,1-Dichloropropene
 Concen: 5.087 ug/l
 RT: 5.556 min Scan# 713
 Delta R.T. -0.134 min
 Lab File: VX038397.D
 Acq: 20 Oct 2023 13:10

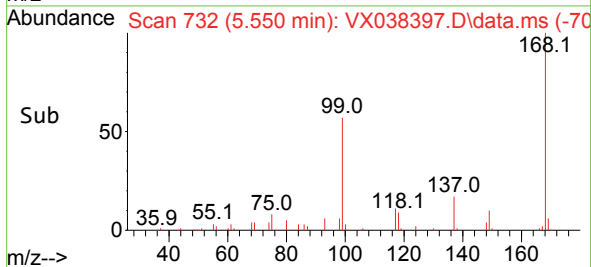
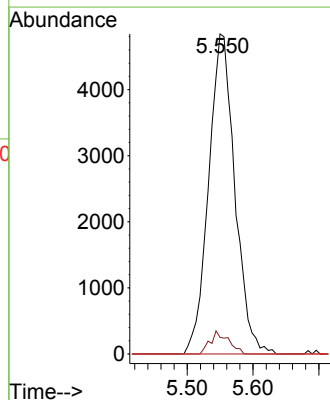
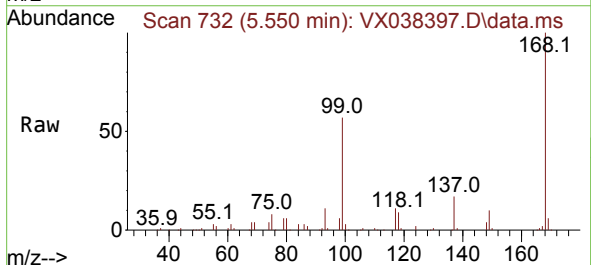
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-101823

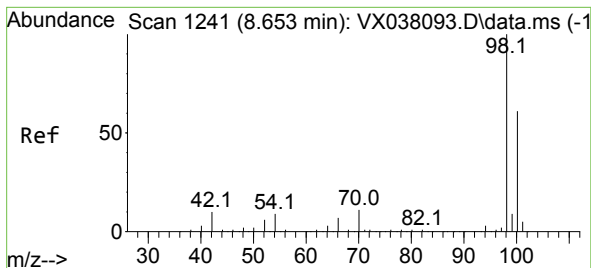
Tgt Ion: 75 Resp: 11548
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 50.9#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.012 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. -0.128 min
 Lab File: VX038397.D
 Acq: 20 Oct 2023 13:10

Tgt Ion: 117 Resp: 13426
 Ion Ratio Lower Upper
 117 100
 119 5.2 78.2 117.2#
 121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 45.399 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX038397.D

Acq: 20 Oct 2023 13:10

Instrument :

MSVOA_X

ClientSampleId :

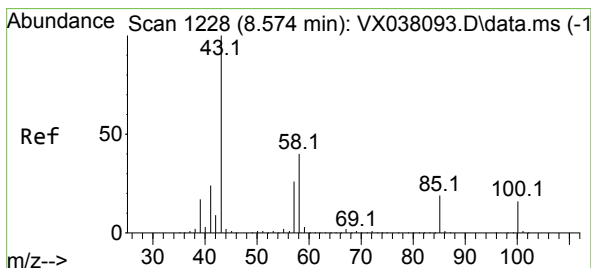
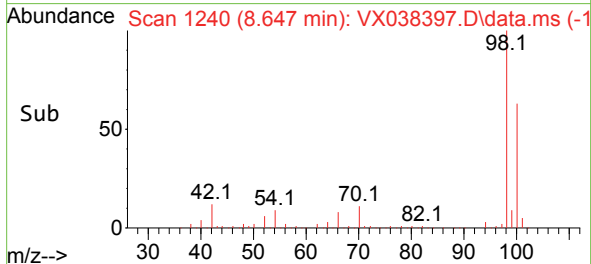
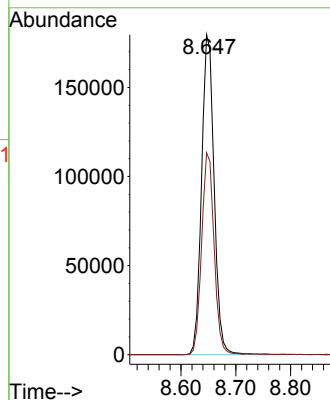
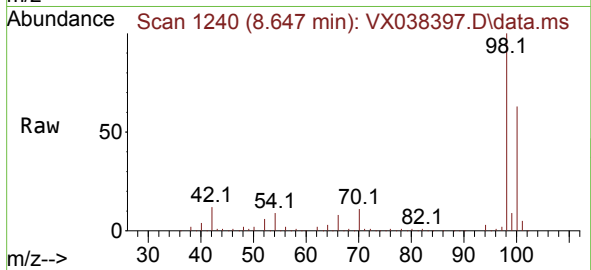
FB-101823

Tgt Ion: 98 Resp: 285581

Ion Ratio Lower Upper

98 100

100 62.8 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.467 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX038397.D

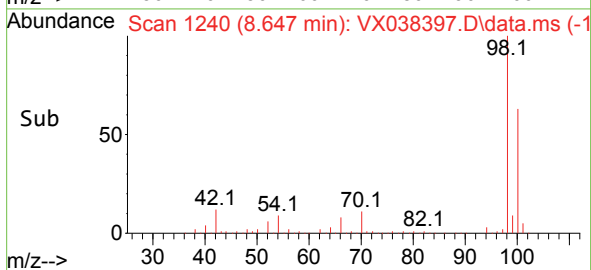
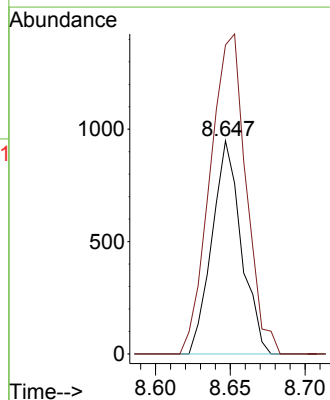
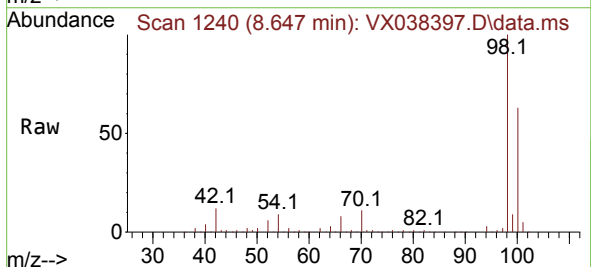
Acq: 20 Oct 2023 13:10

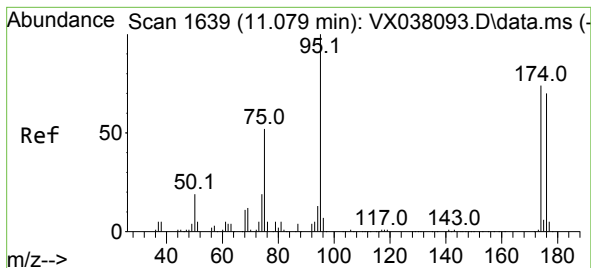
Tgt Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

58 183.7 30.4 45.6#

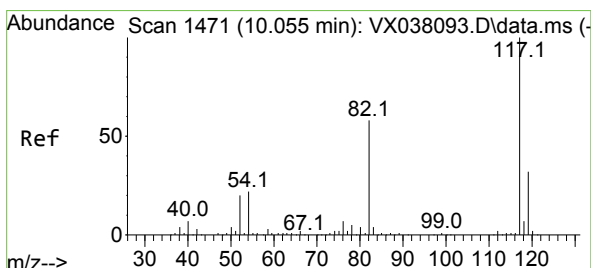
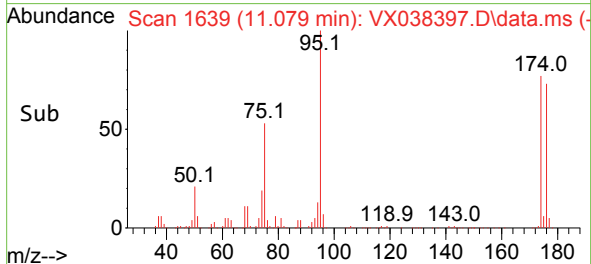
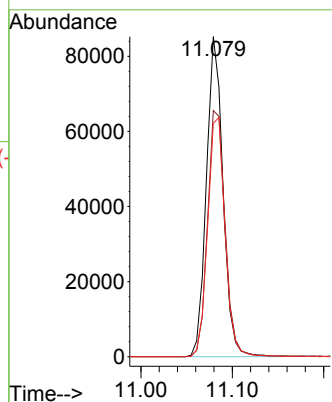
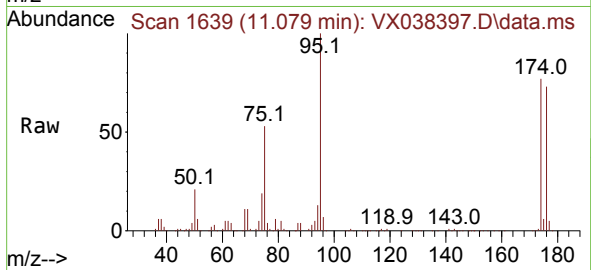




#62
4-Bromofluorobenzene
Concen: 45.173 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

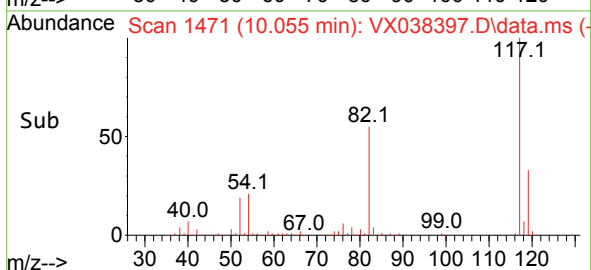
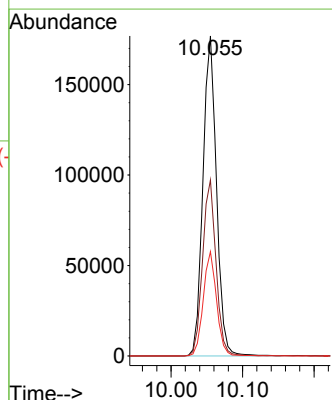
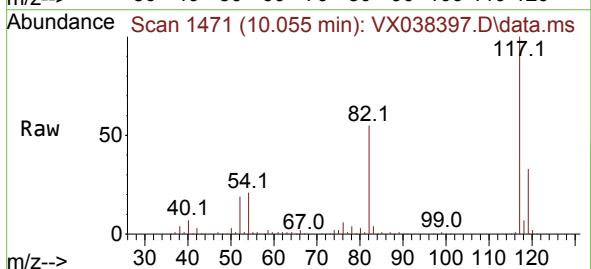
Instrument :
MSVOA_X
ClientSampleId :
FB-101823

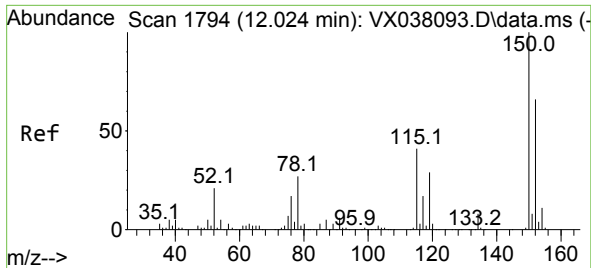
Tgt Ion: 95 Resp: 107730
Ion Ratio Lower Upper
95 100
174 81.6 0.0 135.6
176 78.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038397.D
Acq: 20 Oct 2023 13:10

Tgt Ion: 117 Resp: 232955
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.6 25.5 38.3

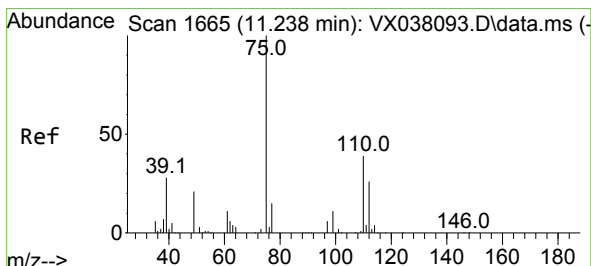
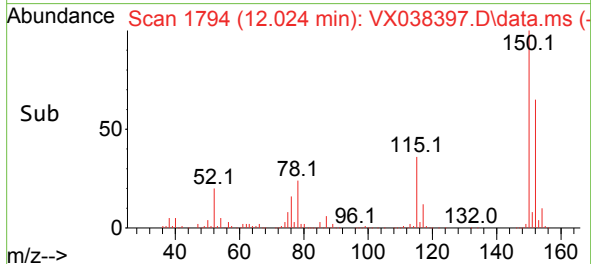
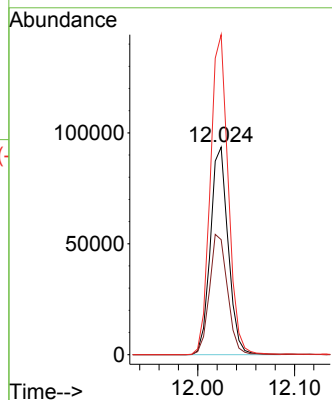
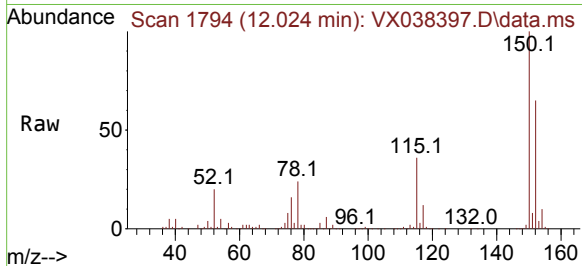




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX038397.D
 Acq: 20 Oct 2023 13:10

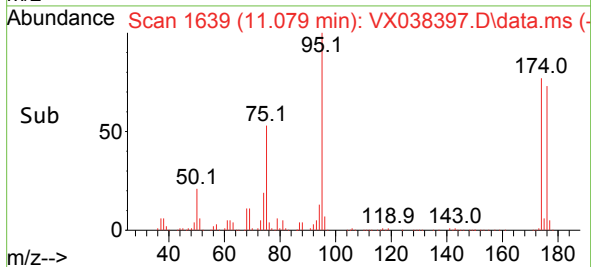
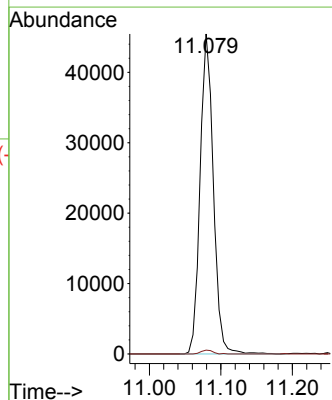
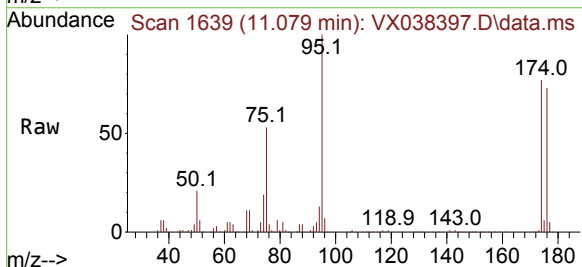
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-101823

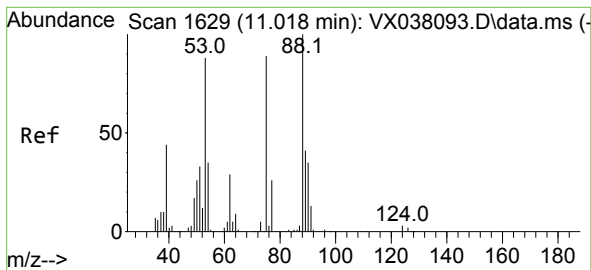
Tgt Ion:152 Resp: 119816
 Ion Ratio Lower Upper
 152 100
 115 58.7 43.3 129.9
 150 155.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.451 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX038397.D
 Acq: 20 Oct 2023 13:10

Tgt Ion: 75 Resp: 58429
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.616 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX038397.D
 Acq: 20 Oct 2023 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-101823

Tgt Ion: 75 Resp: 58429
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

