

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040226.D
 Acq On : 14 Feb 2024 17:27
 Operator : JC/MD
 Sample : P1445-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 15 00:05:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

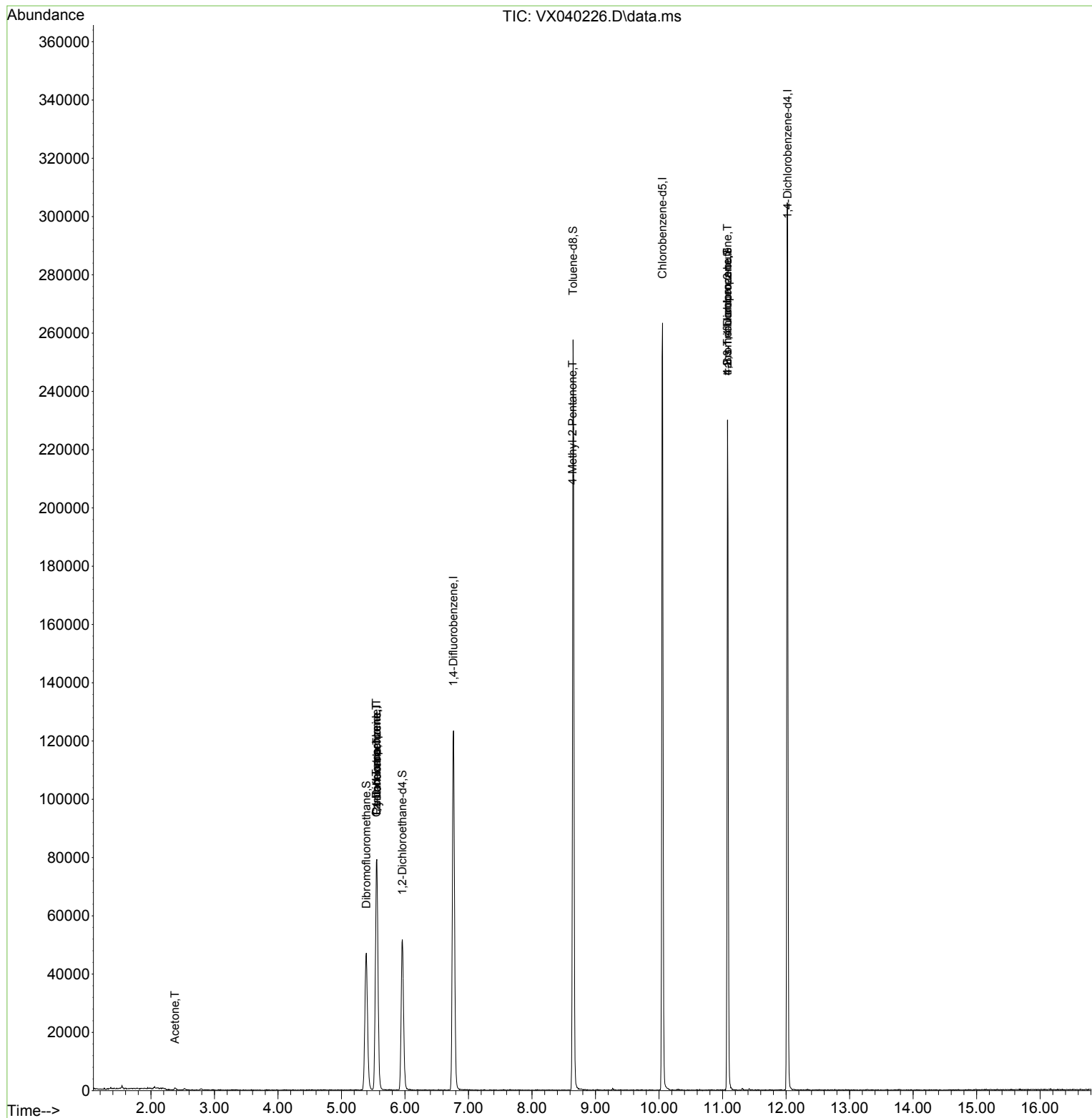
Internal Standards						
1) Pentafluorobenzene	5.556	168	76777	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	128834	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121787	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	63781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	48618	42.565	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.120%
35) Dibromofluoromethane	5.391	113	41337	45.945	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.880%
50) Toluene-d8	8.647	98	152808	45.404	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.800%#
62) 4-Bromofluorobenzene	11.079	95	60341	43.961	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.920%
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	710	1.513	ug/l	99
20) Methylene Chloride	2.800	84	259	Below Cal	#	50
31) Cyclohexane	5.556	56	1643	1.206	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	6155	4.884	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	7657	6.390	ug/l	# 15
51) 4-Methyl-2-Pentanone	8.641	43	654	0.438	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	31525	24.408	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	31525	67.224	ug/l	# 5

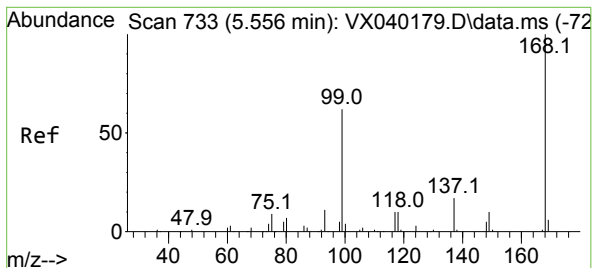
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
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: VX040226.D

Acq: 14 Feb 2024 17:27

Instrument :

MSVOA_X

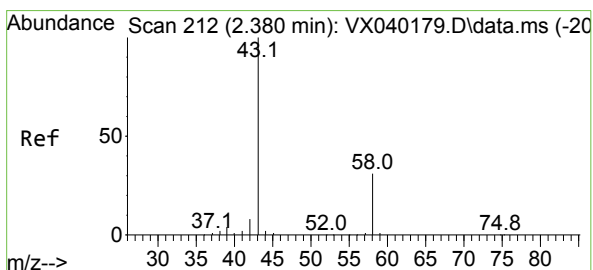
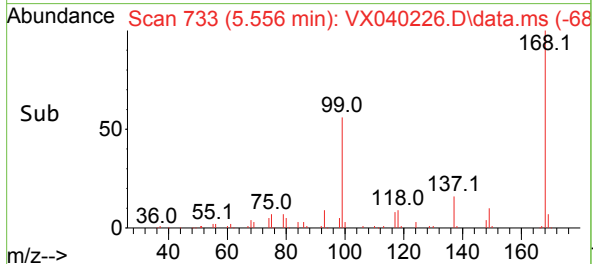
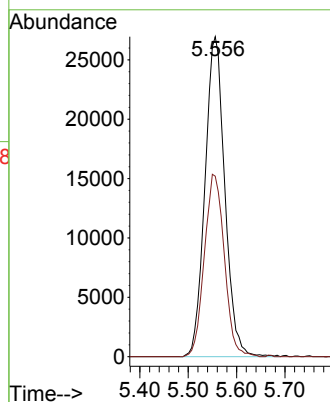
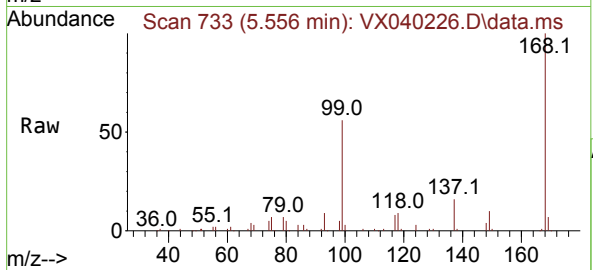
ClientSampleId :

Tgt Ion:168 Resp: 76777

Ion Ratio Lower Upper

168 100

99 56.4 56.6 85.0#



#16

Acetone

Concen: 1.513 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX040226.D

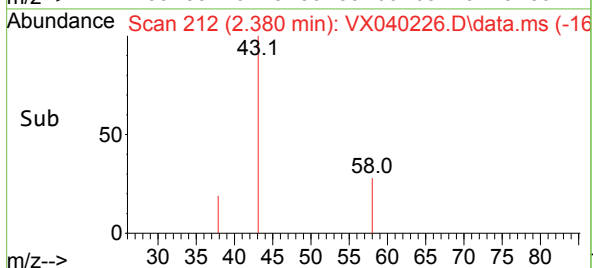
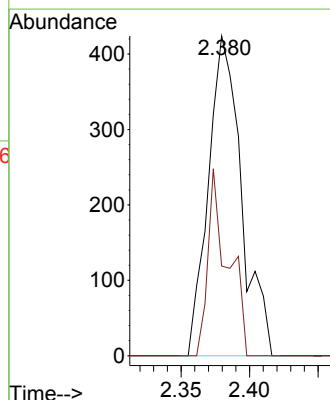
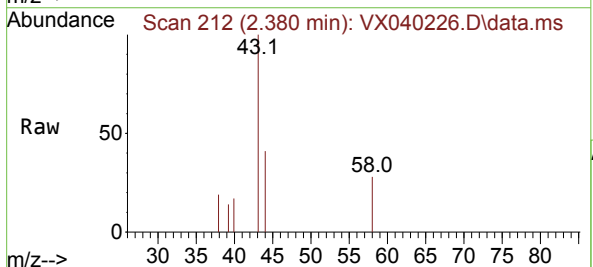
Acq: 14 Feb 2024 17:27

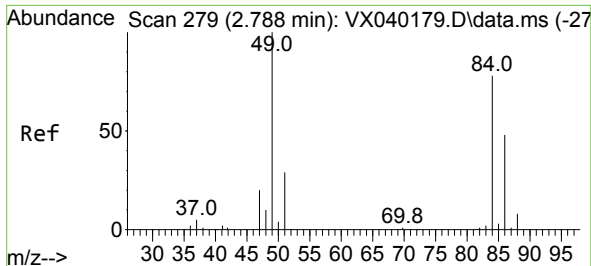
Tgt Ion: 43 Resp: 710

Ion Ratio Lower Upper

43 100

58 28.1 21.9 32.9





#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 21

Delta R.T. 0.012 min

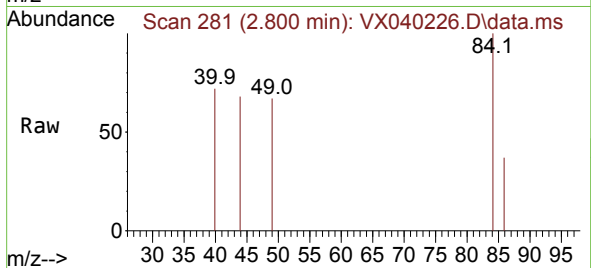
Lab File: VX040226.D

Acq: 14 Feb 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 259

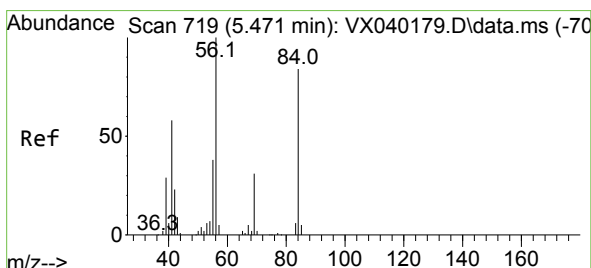
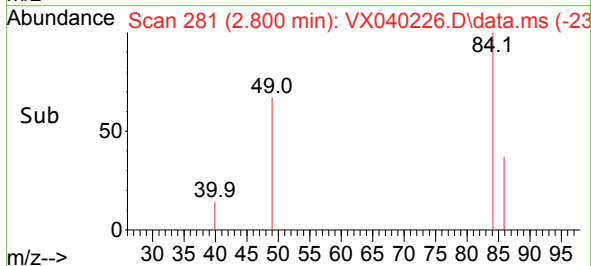
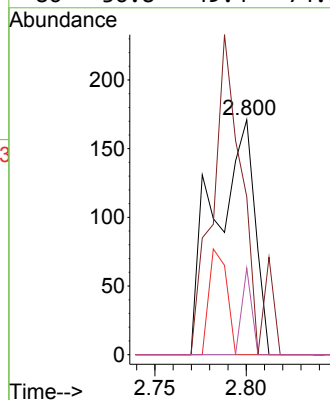
Ion Ratio Lower Upper

84 100

49 67.3 103.6 155.4#

51 0.0 33.8 50.6#

86 36.8 49.4 74.0#



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX040226.D

Acq: 14 Feb 2024 17:27

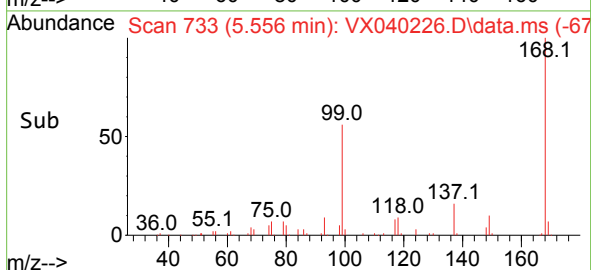
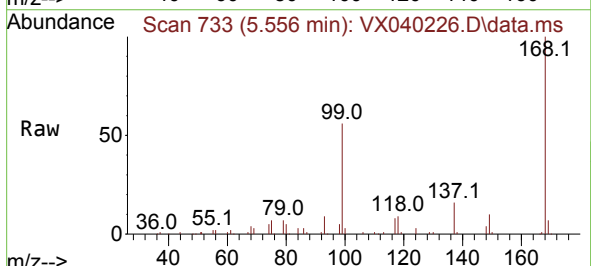
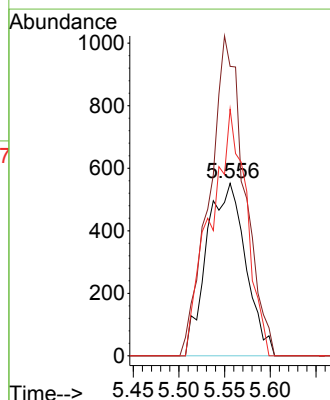
Tgt Ion: 56 Resp: 1643

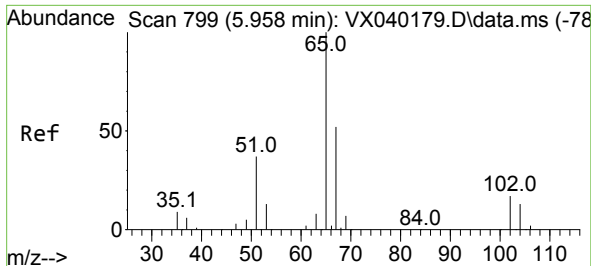
Ion Ratio Lower Upper

56 100

69 167.8 23.4 35.2#

84 142.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.565 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX040226.D

Acq: 14 Feb 2024 17:27

Instrument :

MSVOA_X

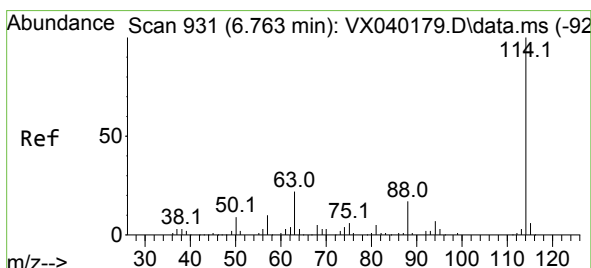
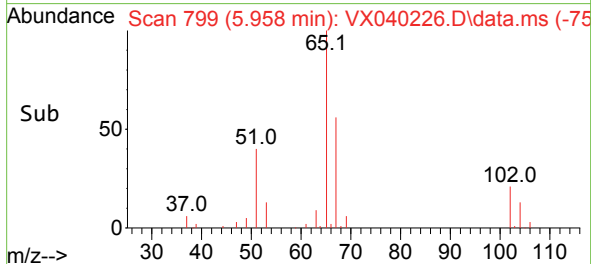
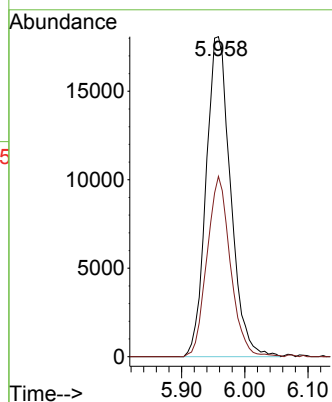
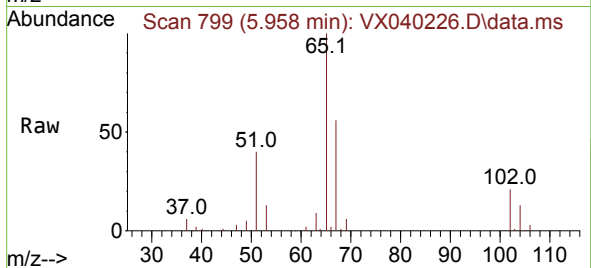
ClientSampleId :

Tgt Ion: 65 Resp: 48618

Ion Ratio Lower Upper

65 100

67 53.9 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: VX040226.D

Acq: 14 Feb 2024 17:27

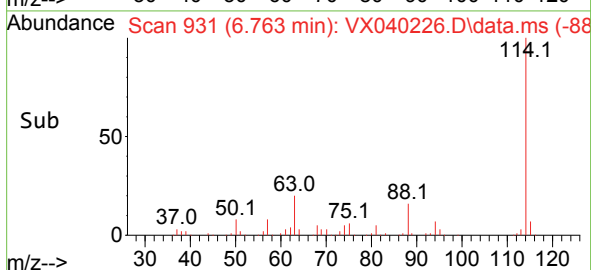
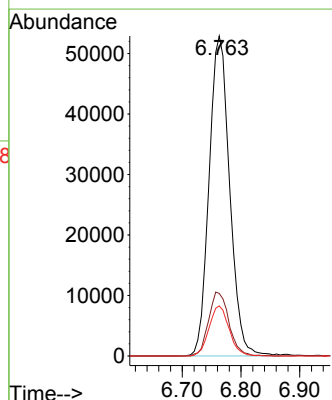
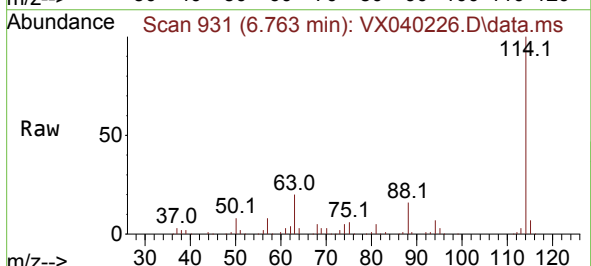
Tgt Ion: 114 Resp: 128834

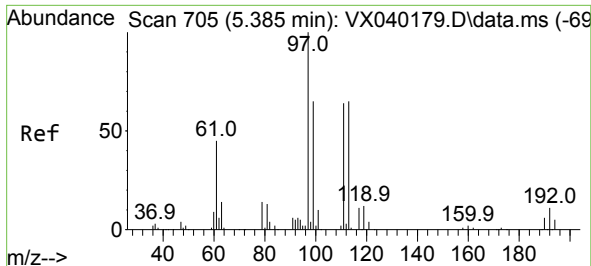
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

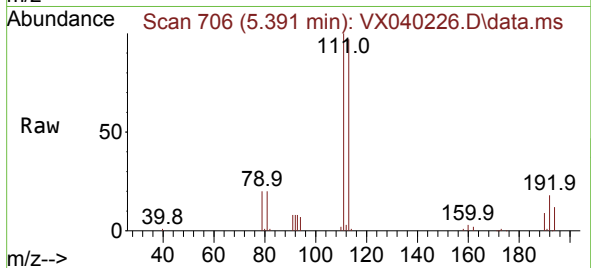
88 15.7 0.0 36.6



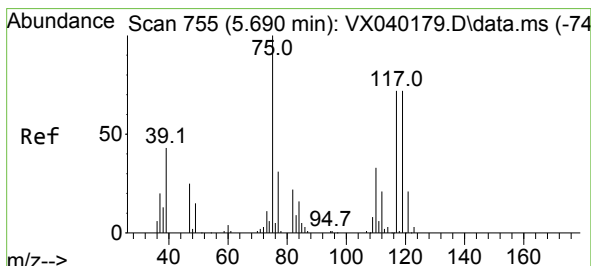
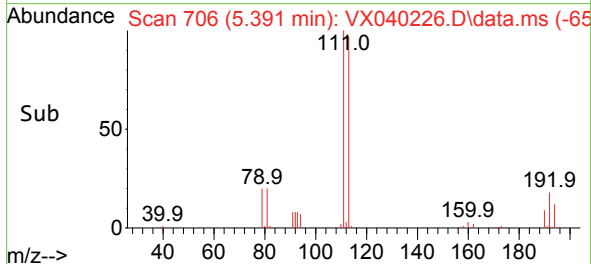
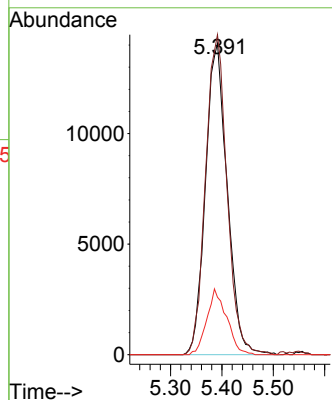


#35
Dibromofluoromethane
Concen: 45.945 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX040226.D
Acq: 14 Feb 2024 17:27

Instrument :
MSVOA_X
ClientSampleId :

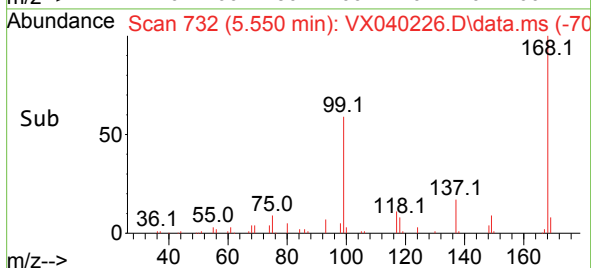
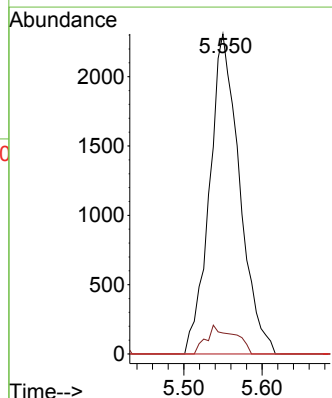
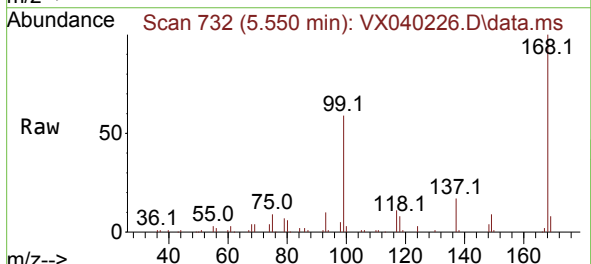


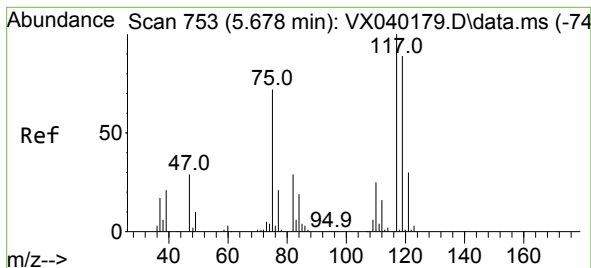
Tgt Ion:113 Resp: 41337
Ion Ratio Lower Upper
113 100
111 101.5 82.9 124.3
192 19.4 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.884 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX040226.D
Acq: 14 Feb 2024 17:27

Tgt Ion: 75 Resp: 6155
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.390 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

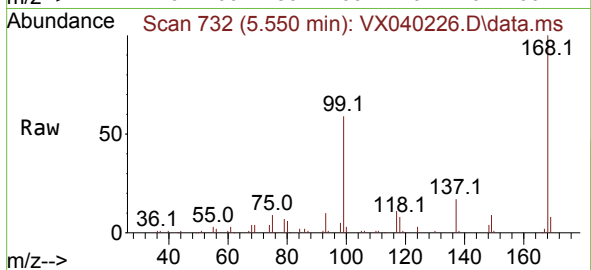
Lab File: VX040226.D

Acq: 14 Feb 2024 17:27

Instrument :

MSVOA_X

ClientSampleId :



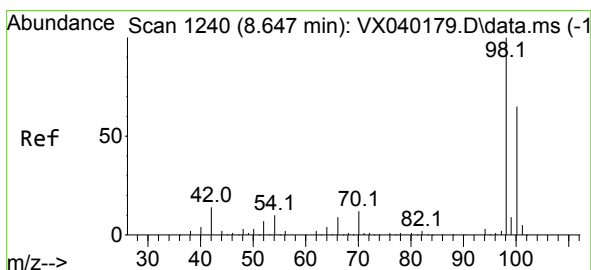
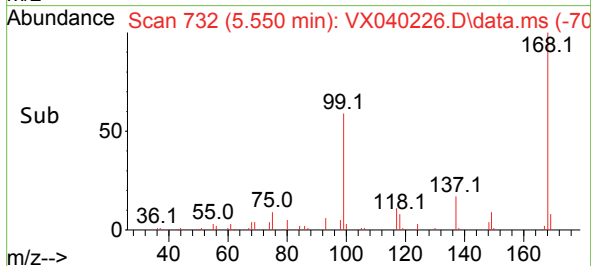
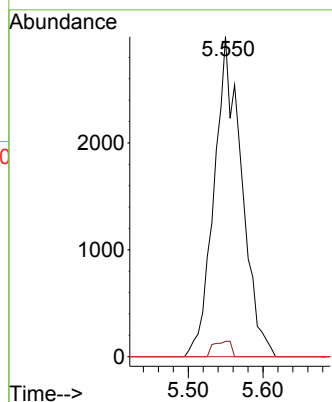
Tgt Ion:117 Resp: 7657

Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 45.404 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040226.D

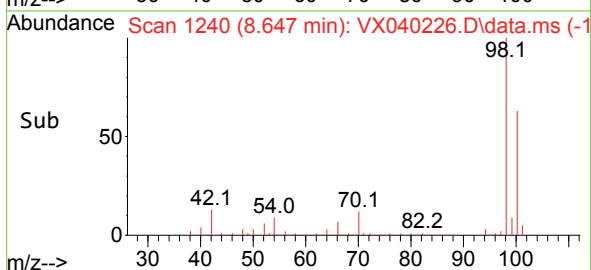
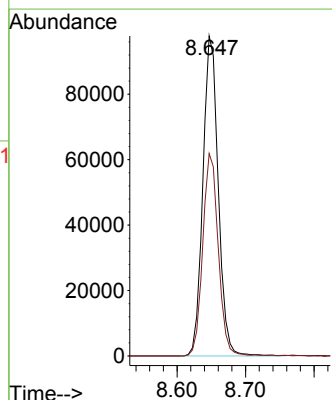
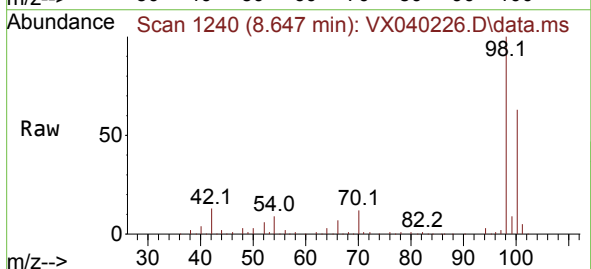
Acq: 14 Feb 2024 17:27

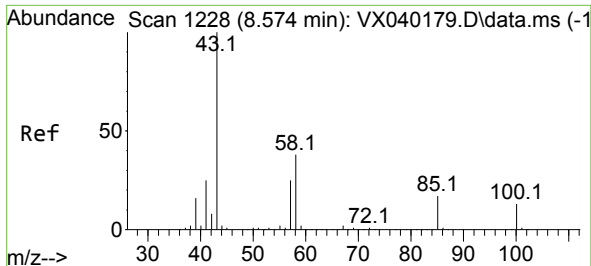
Tgt Ion: 98 Resp: 152808

Ion Ratio Lower Upper

98 100

100 64.0 53.1 79.7

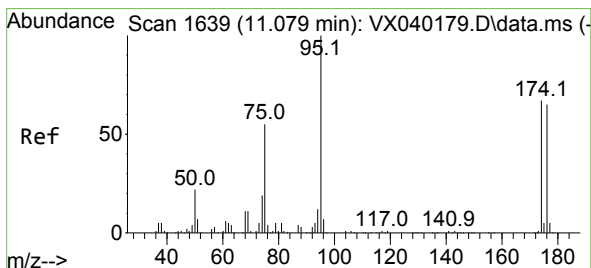
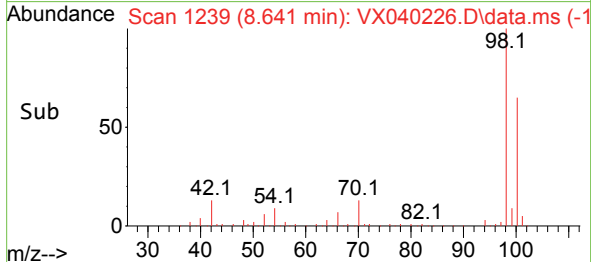
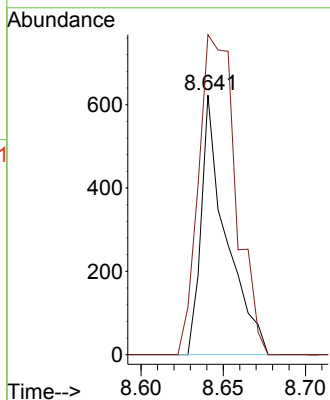
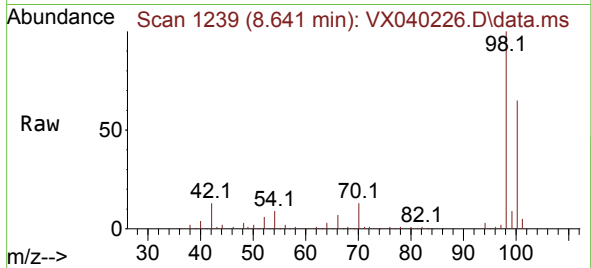




#51
 4-Methyl-2-Pentanone
 Concen: 0.438 ug/l
 RT: 8.641 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX040226.D
 Acq: 14 Feb 2024 17:27

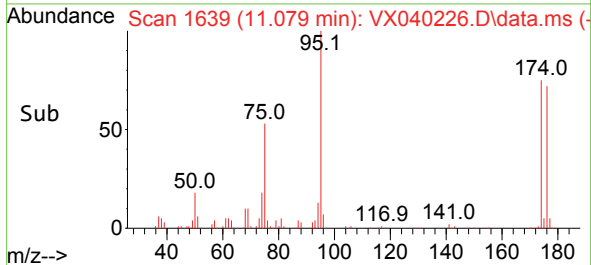
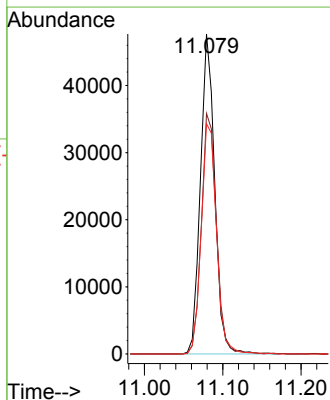
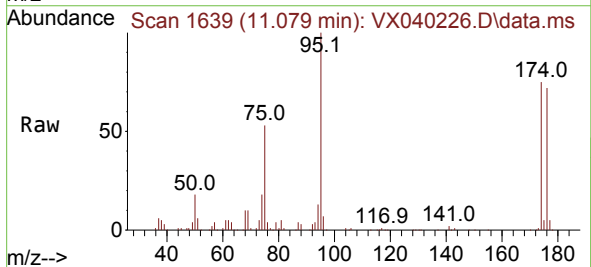
Instrument :
 MSVOA_X
 ClientSampleId :

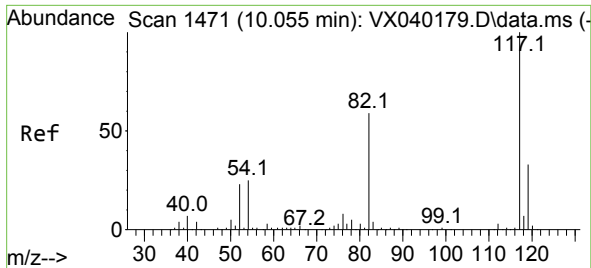
Tgt Ion: 43 Resp: 654
 Ion Ratio Lower Upper
 43 100
 58 184.9 30.4 45.6#



#62
 4-Bromofluorobenzene
 Concen: 43.961 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX040226.D
 Acq: 14 Feb 2024 17:27

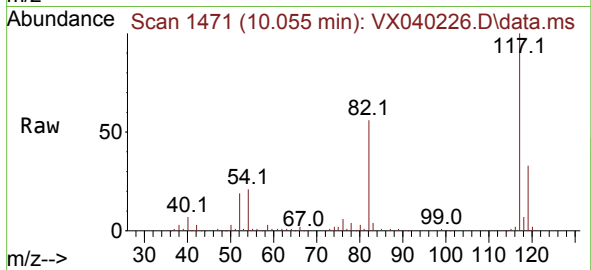
Tgt Ion: 95 Resp: 60341
 Ion Ratio Lower Upper
 95 100
 174 79.2 0.0 135.6
 176 76.6 0.0 131.0



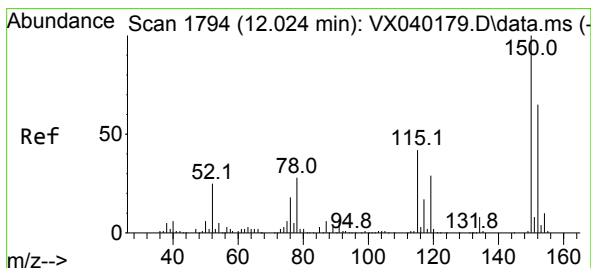
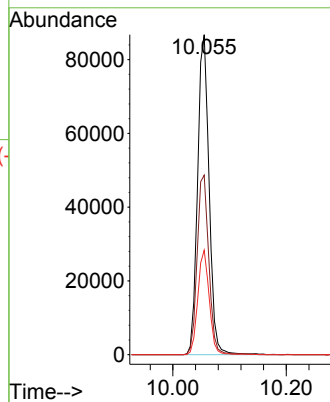
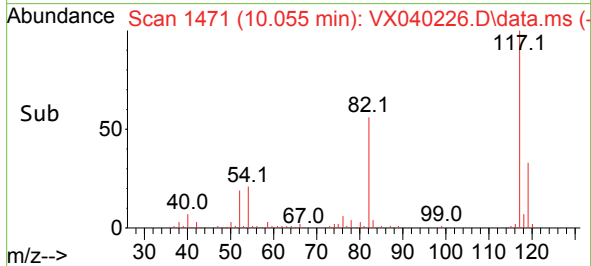


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040226.D
Acq: 14 Feb 2024 17:27

Instrument :
MSVOA_X
ClientSampleId :

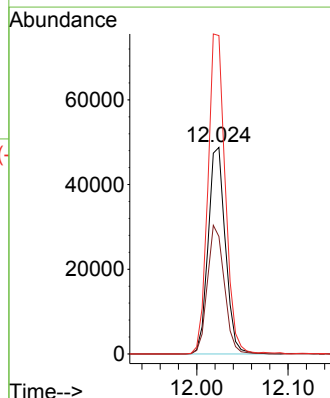
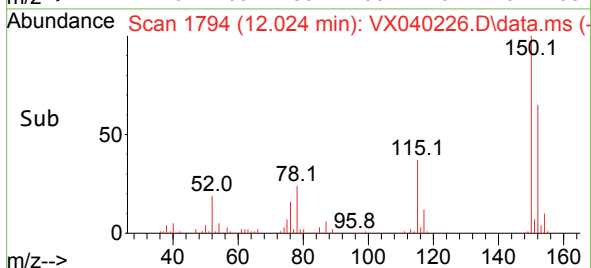
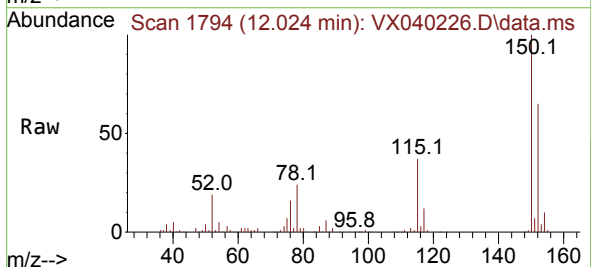


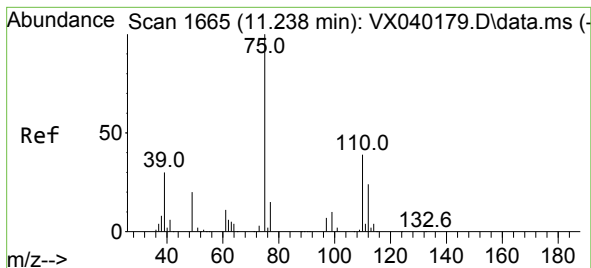
Tgt Ion:117 Resp: 121787
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040226.D
Acq: 14 Feb 2024 17:27

Tgt Ion:152 Resp: 63781
Ion Ratio Lower Upper
152 100
115 61.0 43.3 129.9
150 156.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.408 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040226.D

Acq: 14 Feb 2024 17:27

Instrument :

MSVOA_X

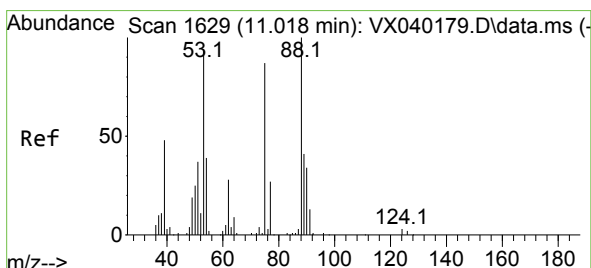
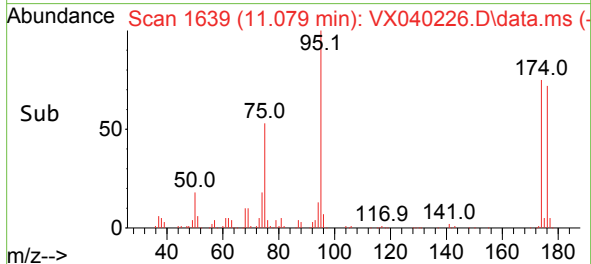
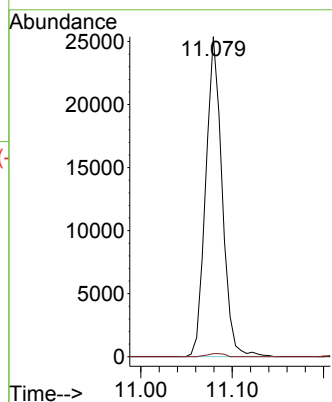
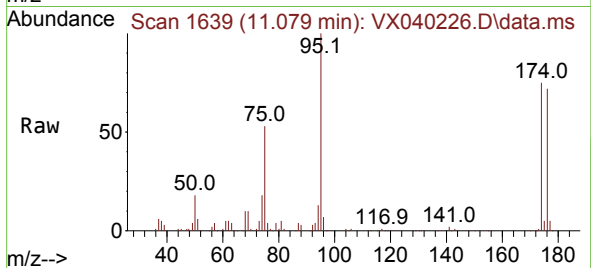
ClientSampleId :

Tgt Ion: 75 Resp: 31525

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.224 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040226.D

Acq: 14 Feb 2024 17:27

Tgt Ion: 75 Resp: 31525

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

