

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050624\
 Data File : VX041386.D
 Acq On : 06 May 2024 17:58
 Operator : JC/MD
 Sample : P2393-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 07 02:02:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

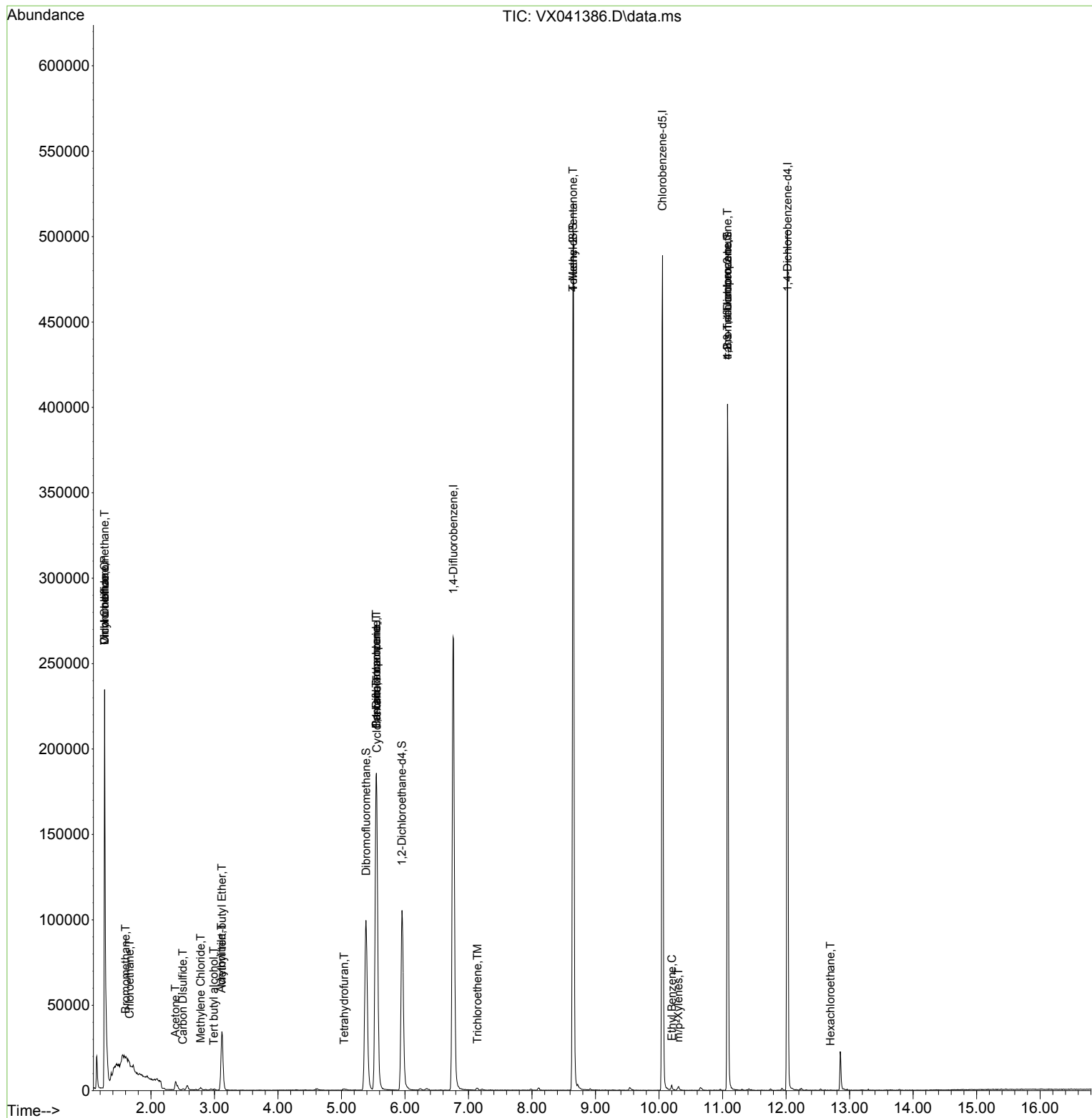
Internal Standards						
1) Pentafluorobenzene	5.550	168	201335	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	289823	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104330	47.600	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.200%
35) Dibromofluoromethane	5.385	113	84777	43.164	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.320%
50) Toluene-d8	8.647	98	312030	50.195	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.380%
62) 4-Bromofluorobenzene	11.079	95	98179	40.799	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.600%#
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.270	85	22912	13.849	ug/l	99
3) Chloromethane	1.270	50	2980	1.741	ug/l	# 43
4) Vinyl Chloride	1.270	62	954	0.585	ug/l	# 1
5) Bromomethane	1.599	94	278	0.272	ug/l	89
6) Chloroethane	1.666	64	3206	4.231	ug/l	# 58
11) Tert butyl alcohol	2.989	59	943	2.150	ug/l	# 78
15) Acrylonitrile	3.111	53	461	0.460	ug/l	# 23
16) Acetone	2.386	43	5588	1.908	ug/l	97
17) Carbon Disulfide	2.501	76	1049	0.286	ug/l	# 76
19) Methyl tert-butyl Ether	3.117	73	37930	6.669	ug/l	97
20) Methylene Chloride	2.782	84	420	0.221	ug/l	# 82
29) Tetrahydrofuran	5.044	42	774	0.834	ug/l	# 66
31) Cyclohexane	5.556	56	3356	1.269	ug/l	# 8
36) 1,1-Dichloropropene	5.550	75	12769	5.437	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	17846	6.633	ug/l	# 16
44) Trichloroethene	7.141	130	548	0.287	ug/l	86
51) 4-Methyl-2-Pentanone	8.647	43	1589	0.601	ug/l	# 1
67) Ethyl Benzene	10.201	91	1997	0.259	ug/l	# 88
68) m/p-Xylenes	10.305	106	803	0.260	ug/l	78
76) 1,2,3-Trichloropropane	11.079	75	51553	26.912	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	51553	73.305	ug/l	# 5
90) Hexachloroethane	12.701	117	219	0.203	ug/l	# 17

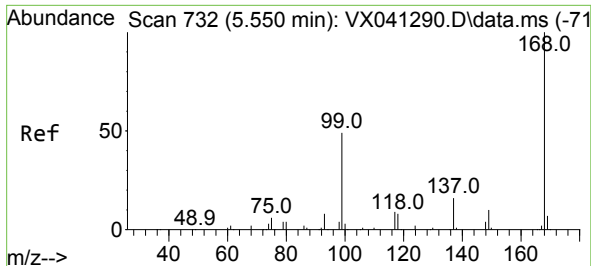
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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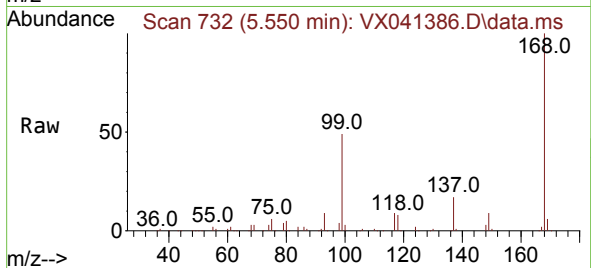
Quant Time: May 07 02:02:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
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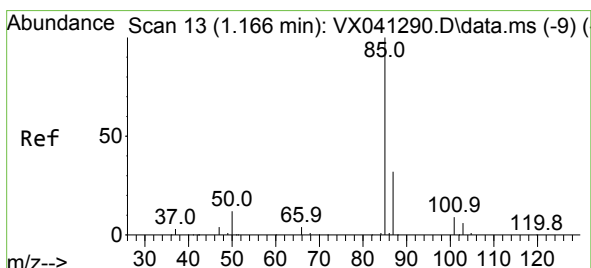
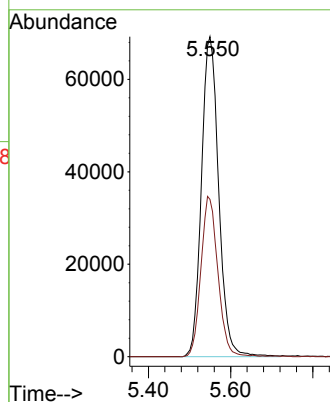
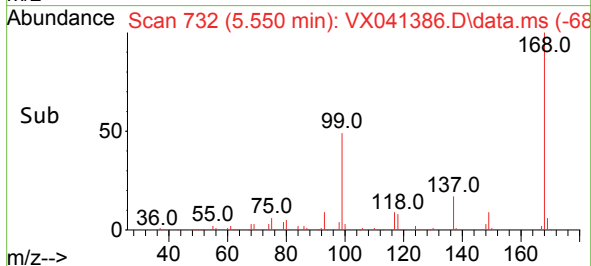


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Instrument :
MSVOA_X
ClientSampleId :

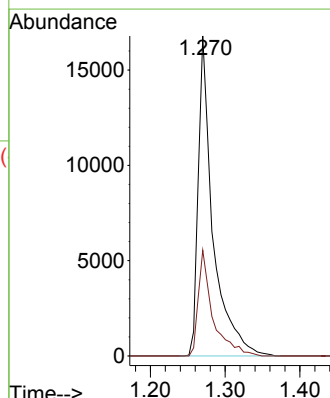
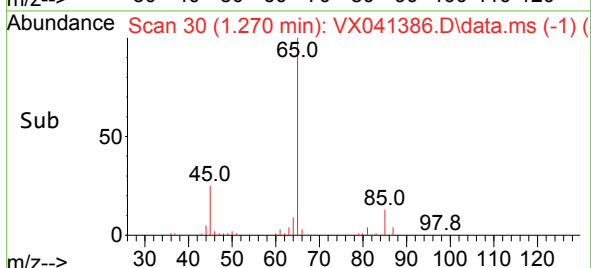
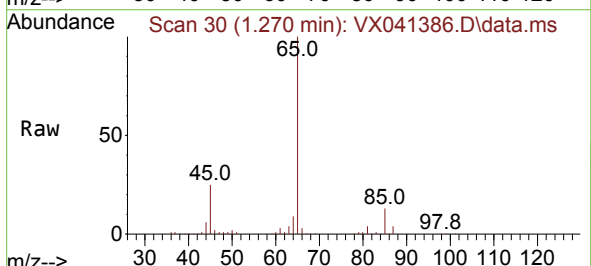


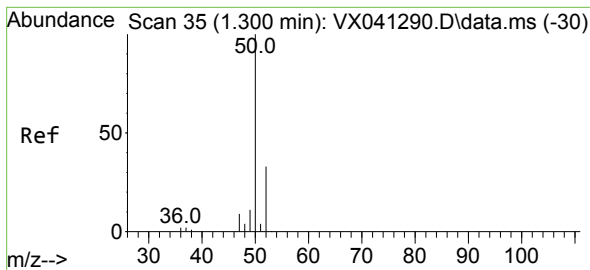
Tgt Ion:168 Resp: 201335
Ion Ratio Lower Upper
168 100
99 49.1 56.6 85.0#



#2
Dichlorodifluoromethane
Concen: 13.849 ug/l
RT: 1.270 min Scan# 30
Delta R.T. 0.104 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Tgt Ion: 85 Resp: 22912
Ion Ratio Lower Upper
85 100
87 33.1 16.7 50.1





#3

Chloromethane

Concen: 1.741 ug/l

RT: 1.270 min Scan# 30

Delta R.T. -0.031 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

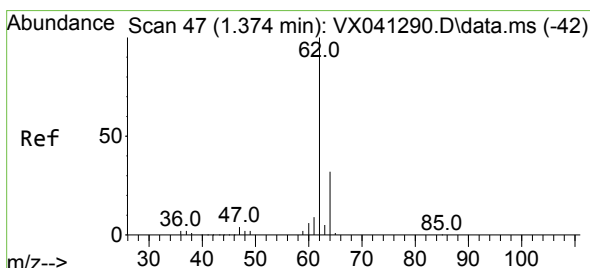
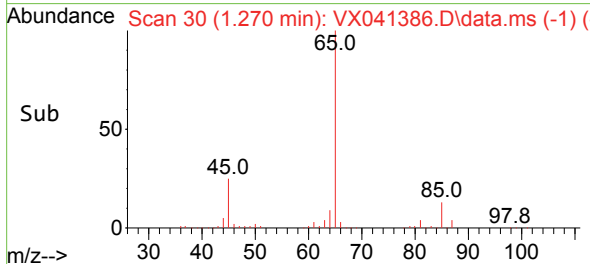
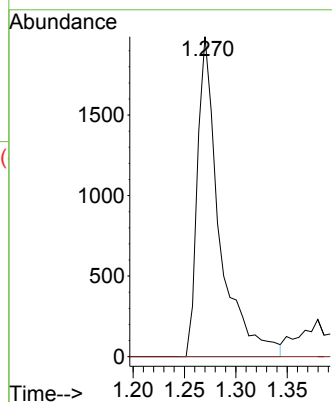
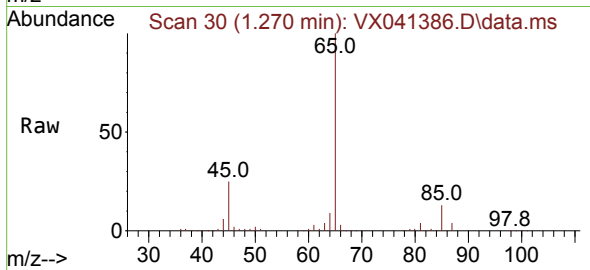
ClientSampleId :

Tgt Ion: 50 Resp: 2980

Ion Ratio Lower Upper

50 100

52 0.0 25.5 38.3#



#4

Vinyl Chloride

Concen: 0.585 ug/l

RT: 1.270 min Scan# 30

Delta R.T. -0.104 min

Lab File: VX041386.D

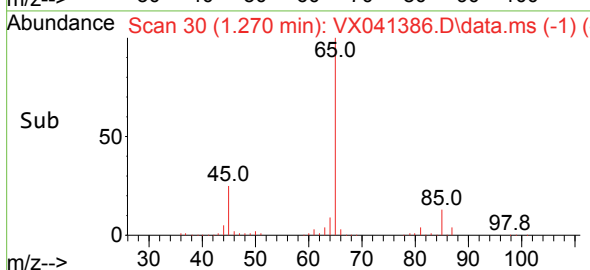
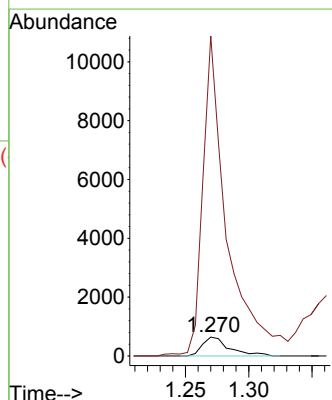
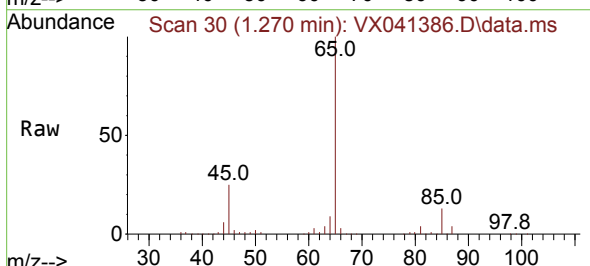
Acq: 06 May 2024 17:58

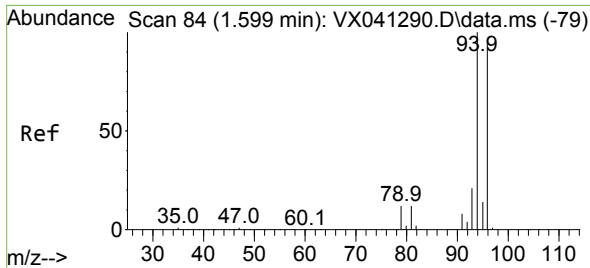
Tgt Ion: 62 Resp: 954

Ion Ratio Lower Upper

62 100

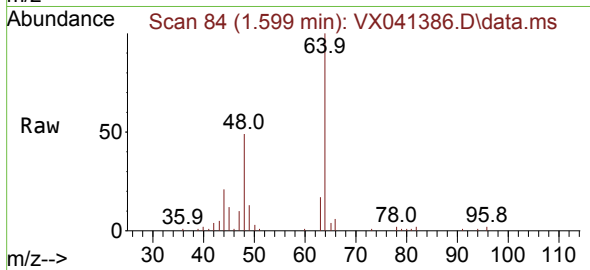
64 1679.2 25.4 38.0#



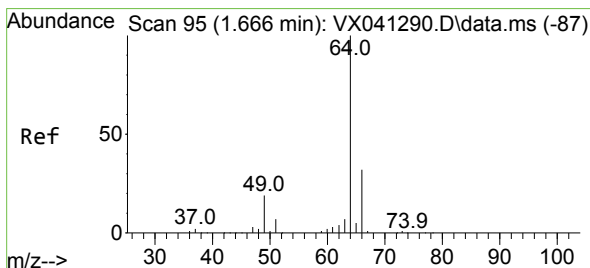
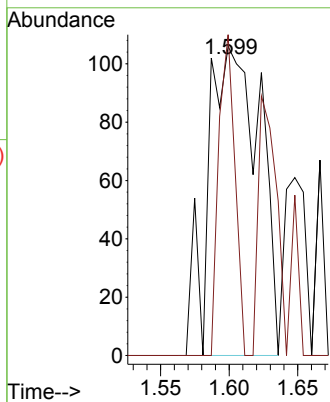
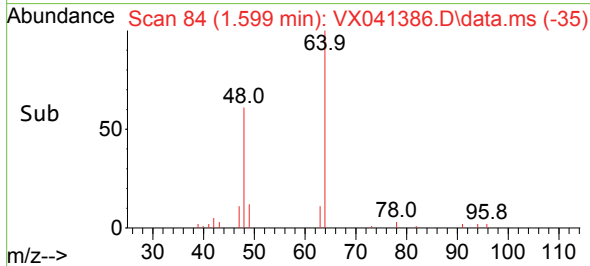


#5
Bromomethane
Concen: 0.272 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Instrument :
MSVOA_X
ClientSampleId :

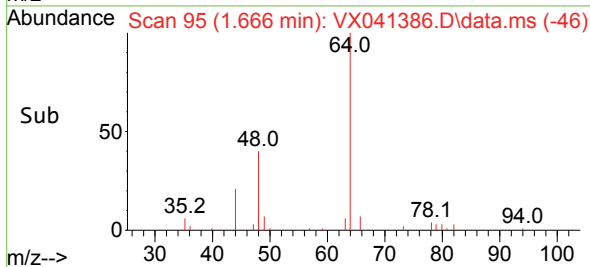
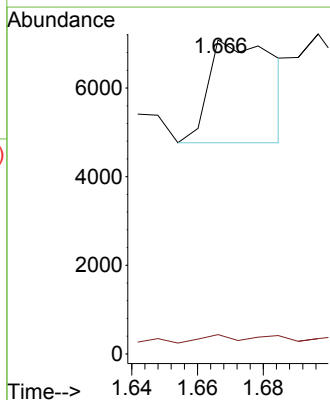
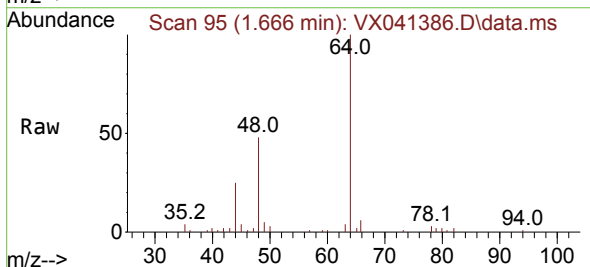


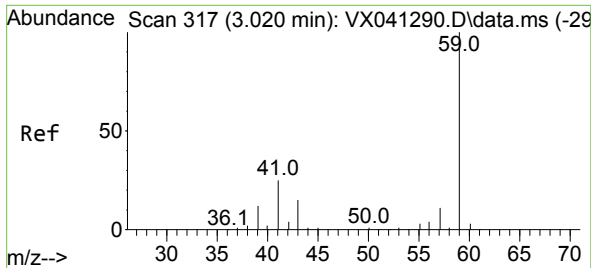
Tgt Ion: 94 Resp: 278
Ion Ratio Lower Upper
94 100
96 103.8 74.6 111.8



#6
Chloroethane
Concen: 4.231 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Tgt Ion: 64 Resp: 3206
Ion Ratio Lower Upper
64 100
66 8.2 25.1 37.7#





#11

Tert butyl alcohol

Concen: 2.150 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.031 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

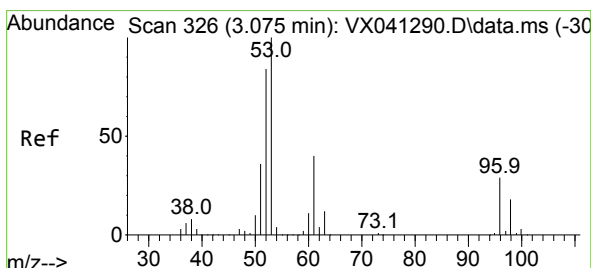
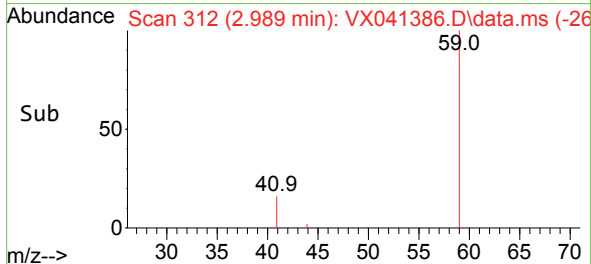
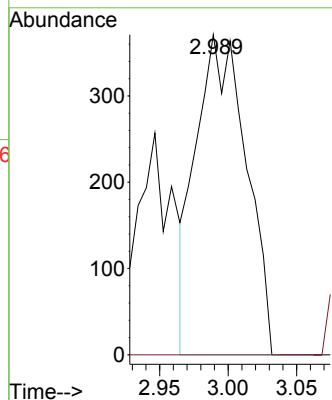
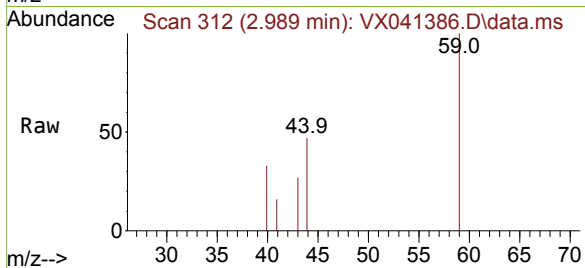
ClientSampleId :

Tgt Ion: 59 Resp: 943

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#15

Acrylonitrile

Concen: 0.460 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.037 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

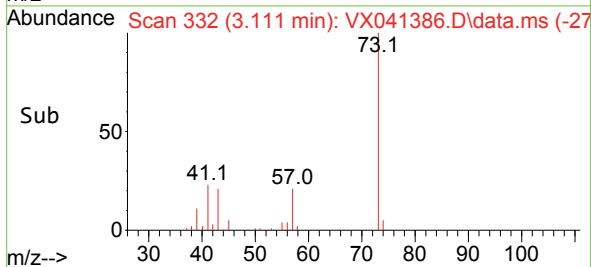
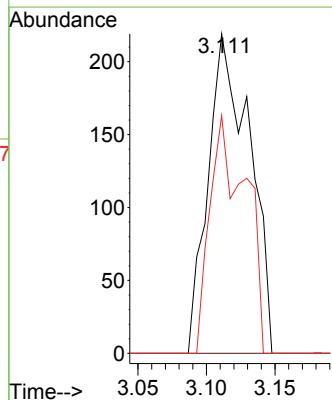
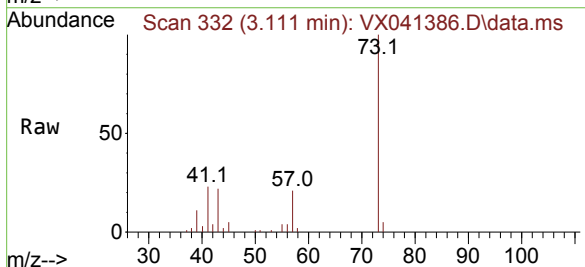
Tgt Ion: 53 Resp: 461

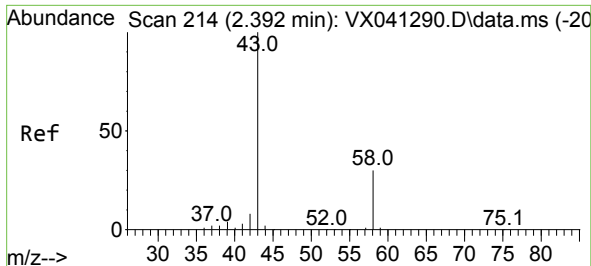
Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 64.2 29.8 44.6#





#16

Acetone

Concen: 1.908 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

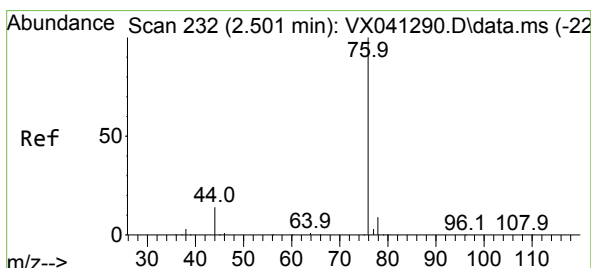
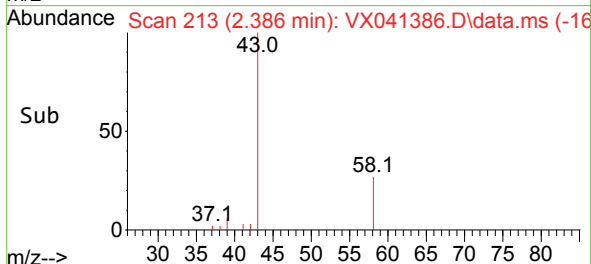
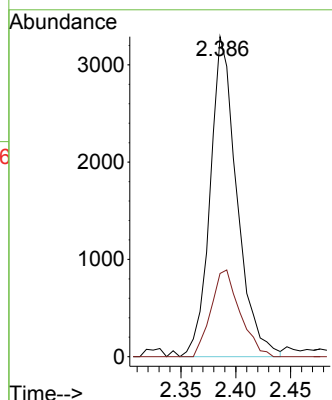
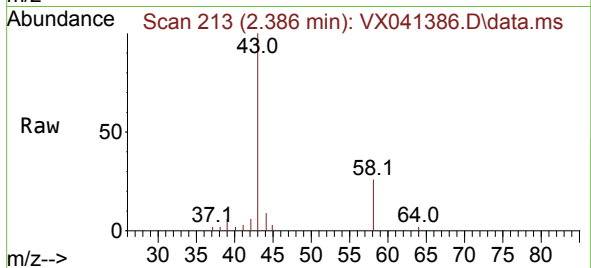
ClientSampleId :

Tgt Ion: 43 Resp: 5588

Ion Ratio Lower Upper

43 100

58 26.0 21.9 32.9



#17

Carbon Disulfide

Concen: 0.286 ug/l

RT: 2.501 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX041386.D

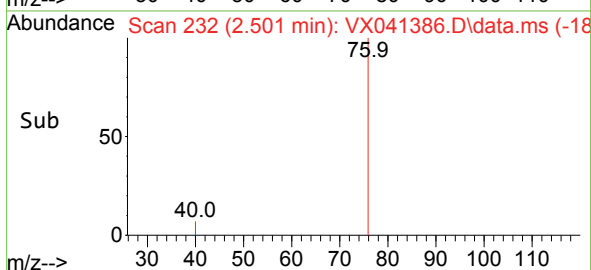
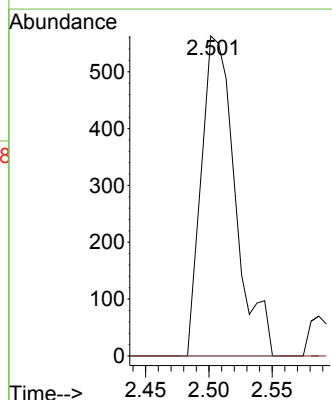
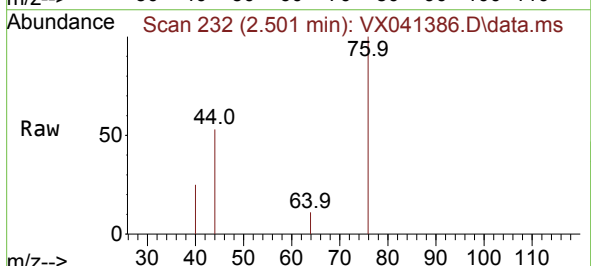
Acq: 06 May 2024 17:58

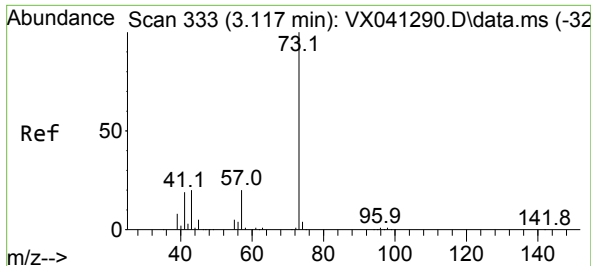
Tgt Ion: 76 Resp: 1049

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#

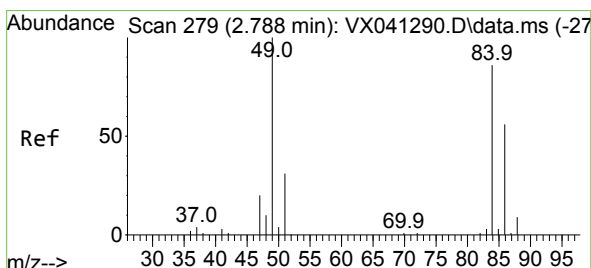
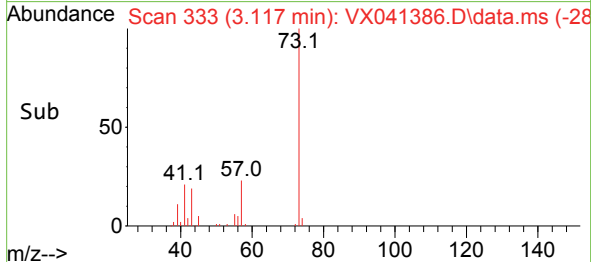
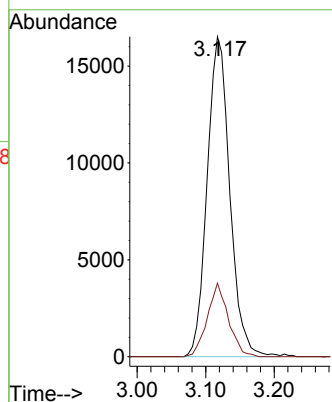
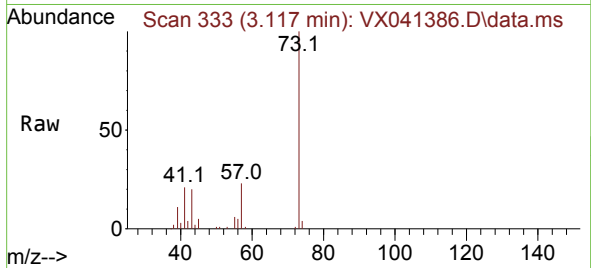




#19
Methyl tert-butyl Ether
Concen: 6.669 ug/l
RT: 3.117 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

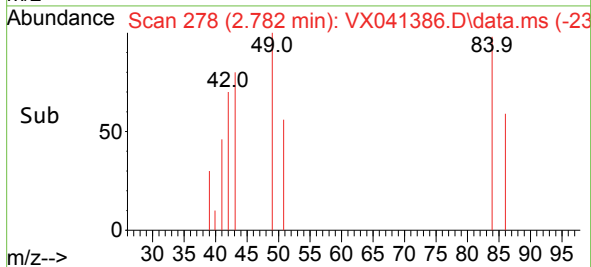
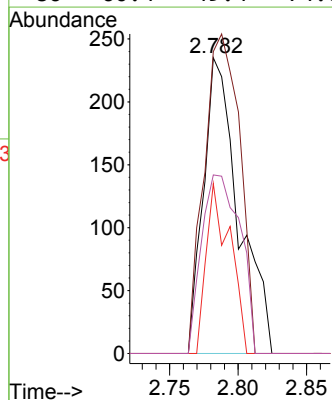
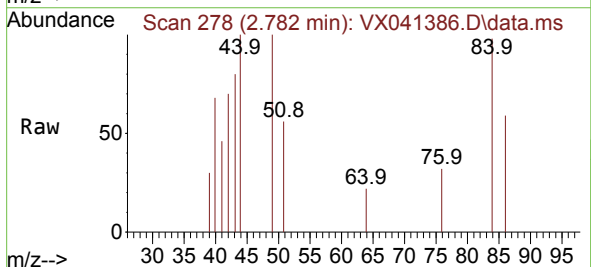
Instrument :
MSVOA_X
ClientSampleId :

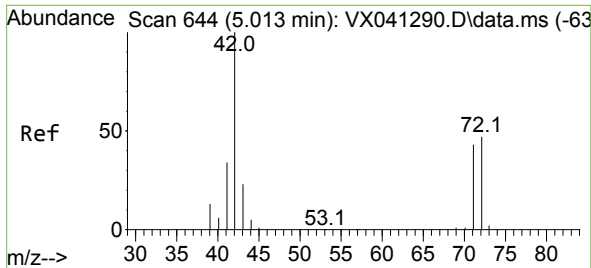
Tgt Ion: 73 Resp: 37930
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9



#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Tgt Ion: 84 Resp: 420
Ion Ratio Lower Upper
84 100
49 102.1 103.6 155.4#
51 57.4 33.8 50.6#
86 60.4 49.4 74.0





#29

Tetrahydrofuran

Concen: 0.834 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.030 min

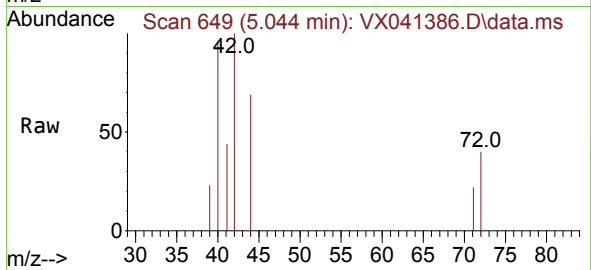
Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :



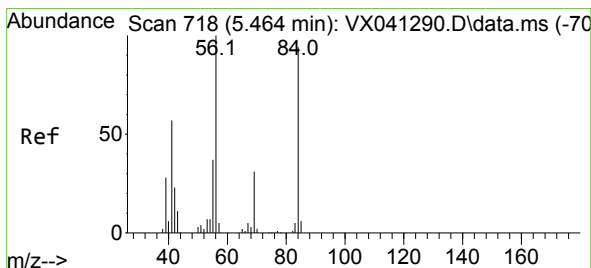
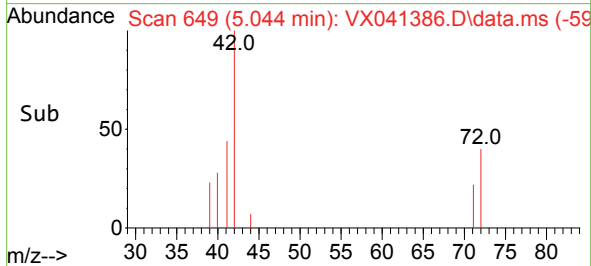
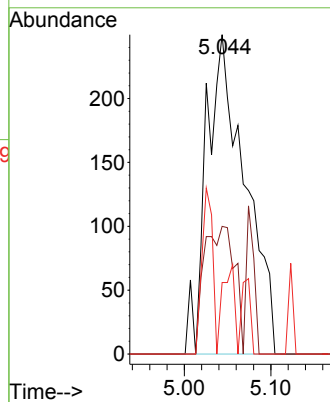
Tgt Ion: 42 Resp: 774

Ion Ratio Lower Upper

42 100

72 31.5 34.2 51.4#

71 8.7 32.2 48.2#



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.091 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

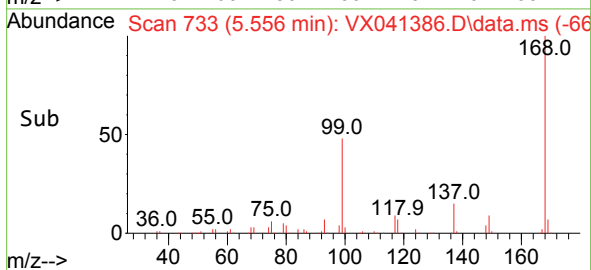
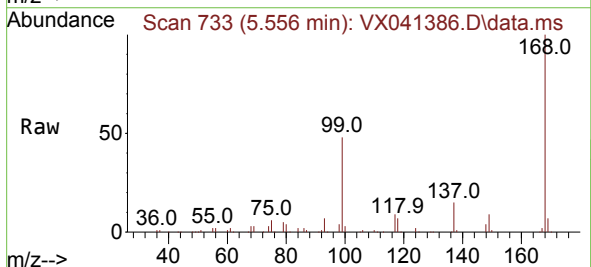
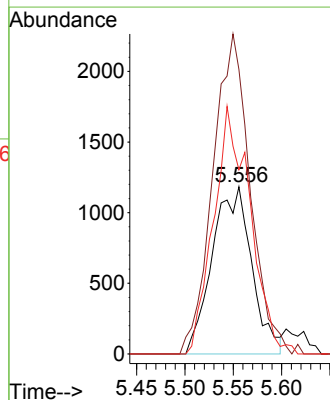
Tgt Ion: 56 Resp: 3356

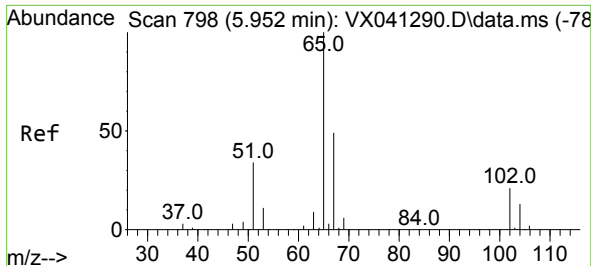
Ion Ratio Lower Upper

56 100

69 170.2 23.4 35.2#

84 110.2 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 47.600 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

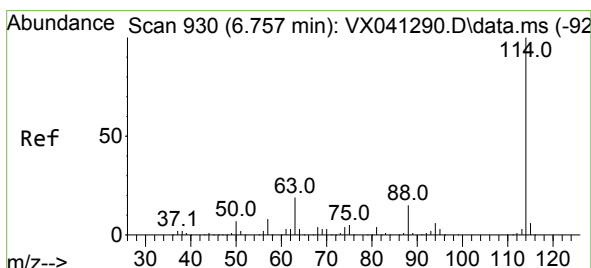
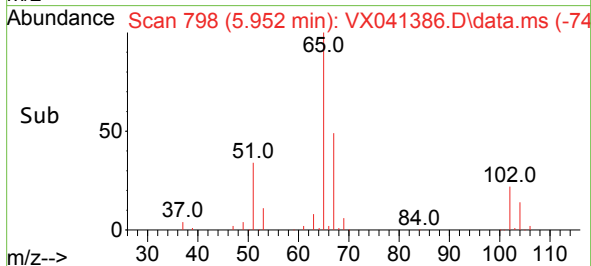
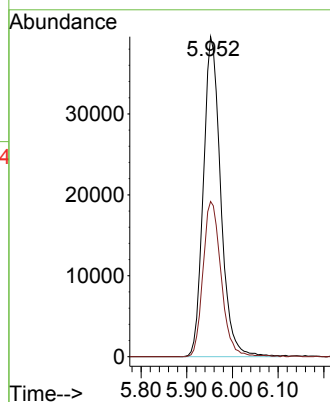
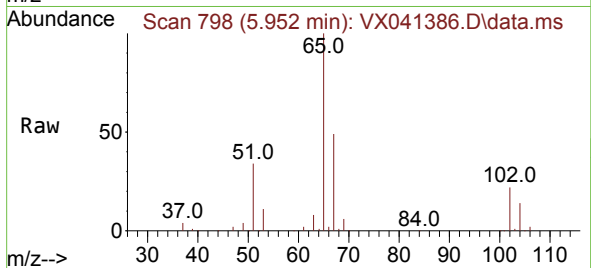
ClientSampleId :

Tgt Ion: 65 Resp: 104330

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

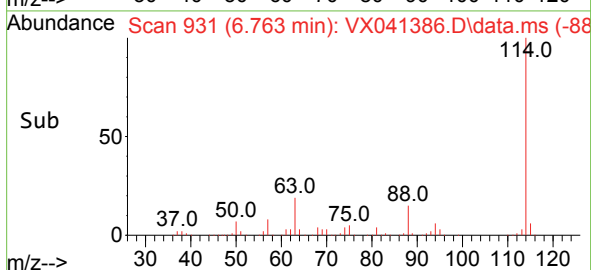
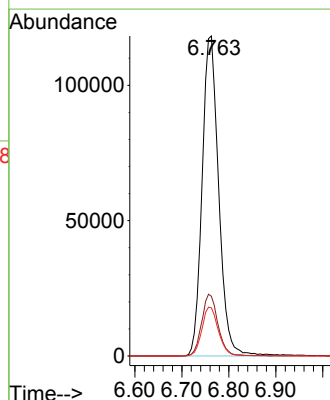
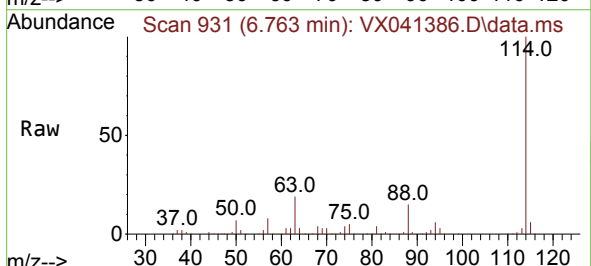
Tgt Ion: 114 Resp: 289823

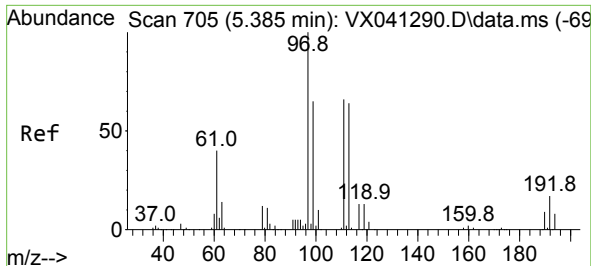
Ion Ratio Lower Upper

114 100

63 18.7 0.0 45.0

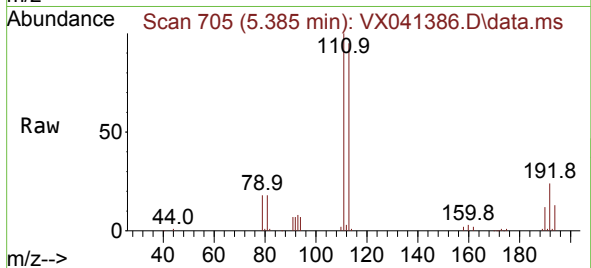
88 15.1 0.0 36.6



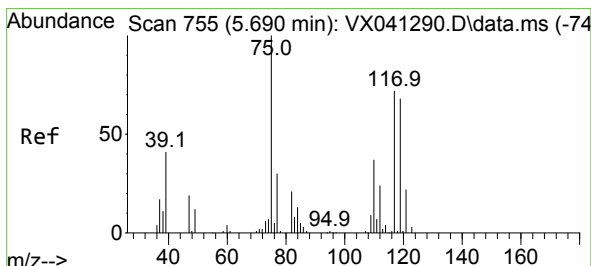
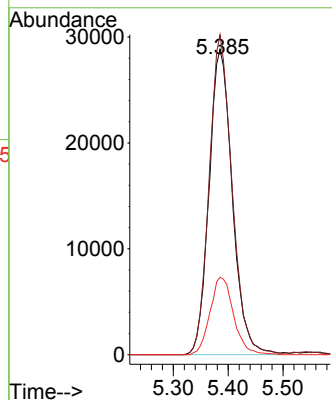
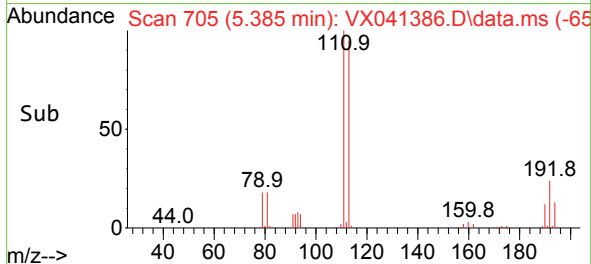


#35
Dibromofluoromethane
Concen: 43.164 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Instrument :
MSVOA_X
ClientSampleId :

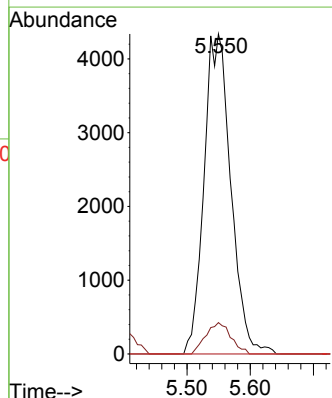
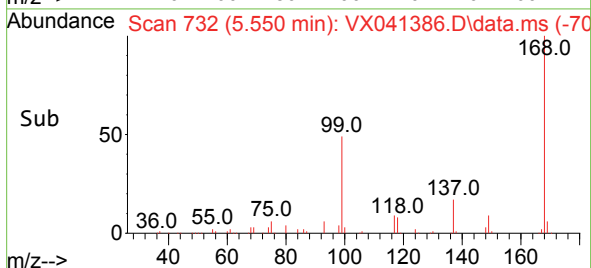
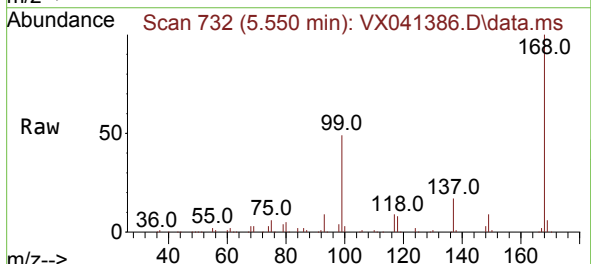


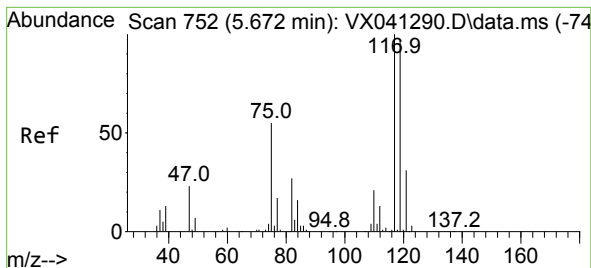
Tgt Ion:113 Resp: 84777
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 25.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.437 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Tgt Ion: 75 Resp: 12769
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.633 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.122 min

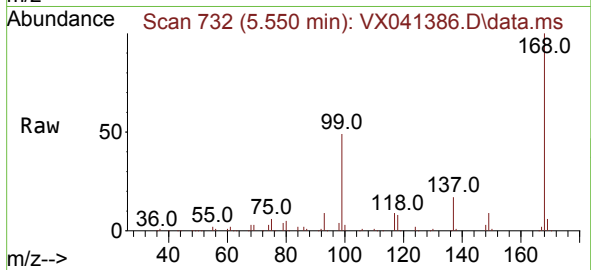
Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :



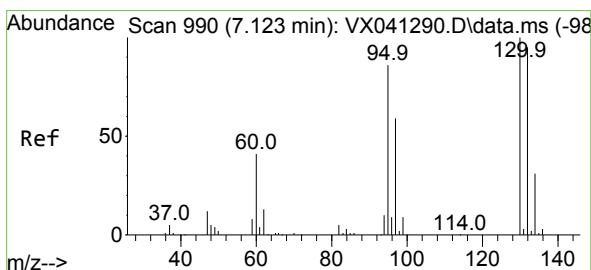
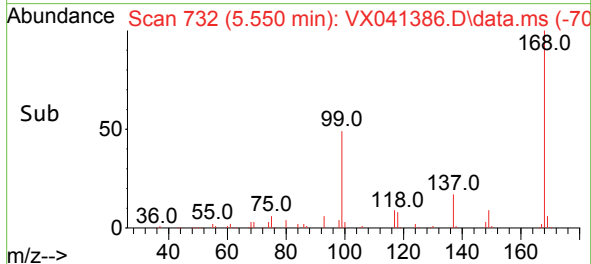
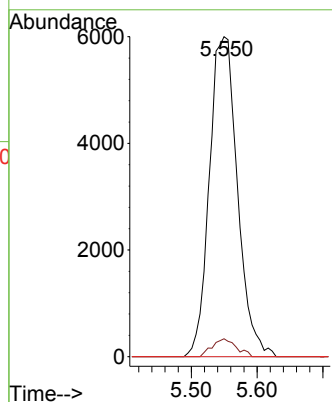
Tgt Ion:117 Resp: 17846

Ion Ratio Lower Upper

117 100

119 5.6 78.2 117.2#

121 0.0 24.4 36.6#



#44

Trichloroethene

Concen: 0.287 ug/l

RT: 7.141 min Scan# 993

Delta R.T. 0.018 min

Lab File: VX041386.D

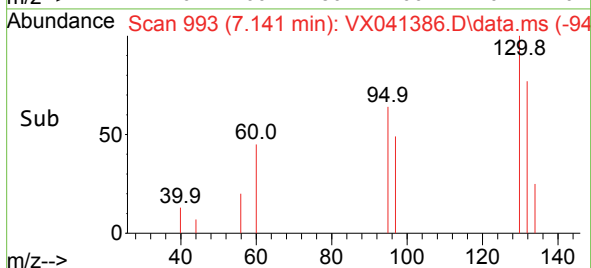
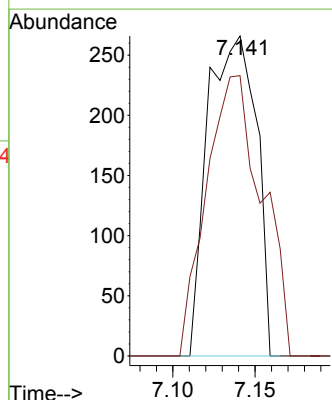
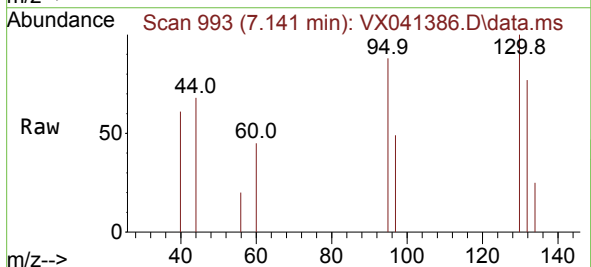
Acq: 06 May 2024 17:58

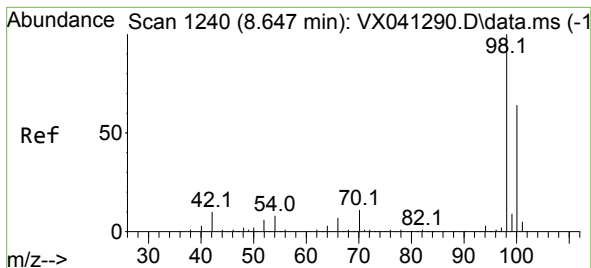
Tgt Ion:130 Resp: 548

Ion Ratio Lower Upper

130 100

95 87.6 0.0 204.4





#50

Toluene-d8

Concen: 50.195 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

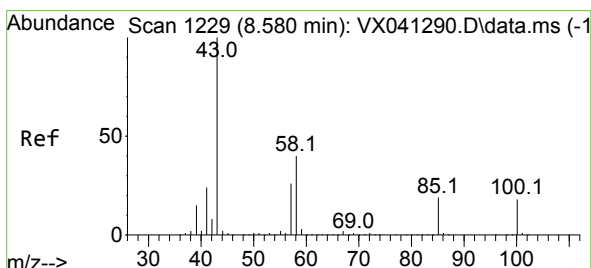
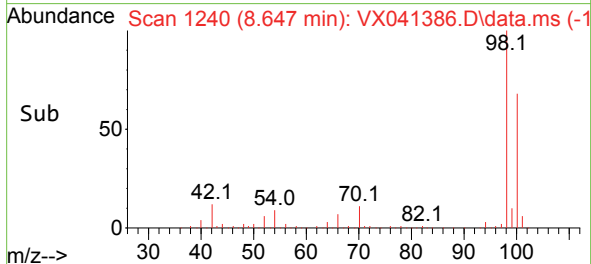
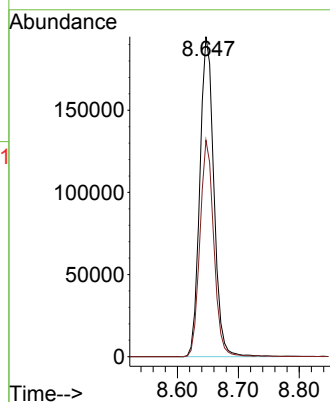
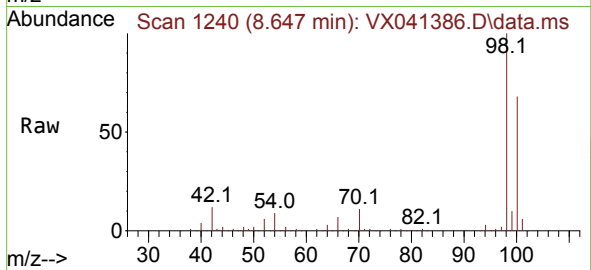
ClientSampleId :

Tgt Ion: 98 Resp: 312030

Ion Ratio Lower Upper

98 100

100 66.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.601 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.067 min

Lab File: VX041386.D

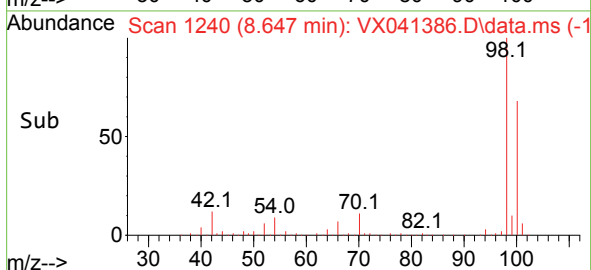
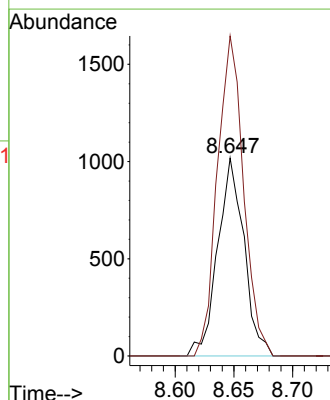
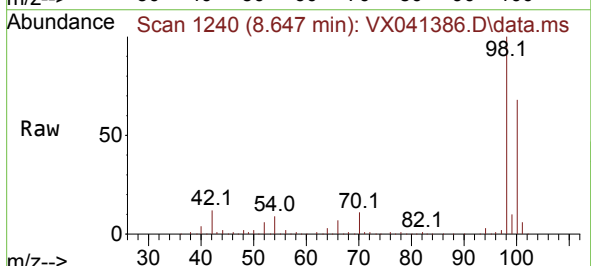
Acq: 06 May 2024 17:58

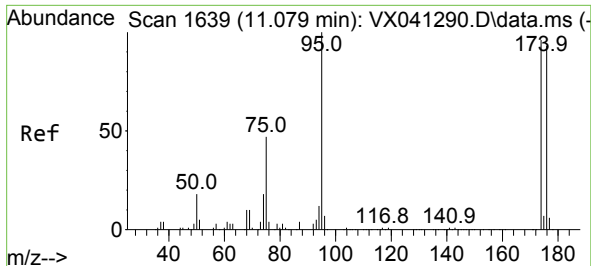
Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

58 160.9 30.4 45.6#

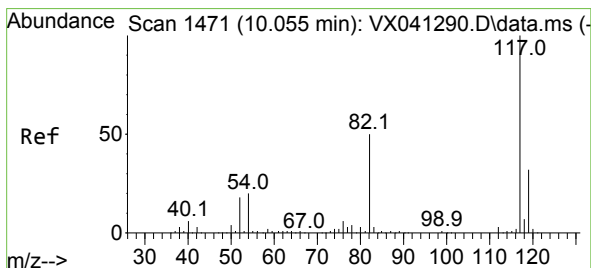
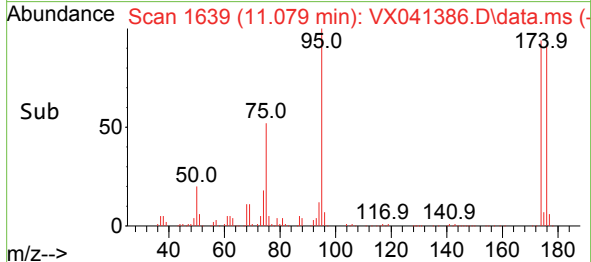
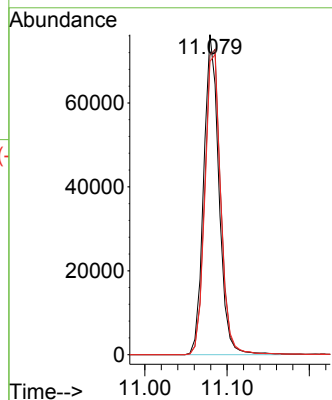
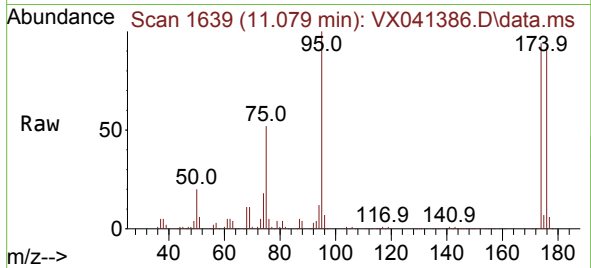




#62
4-Bromofluorobenzene
Concen: 40.799 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

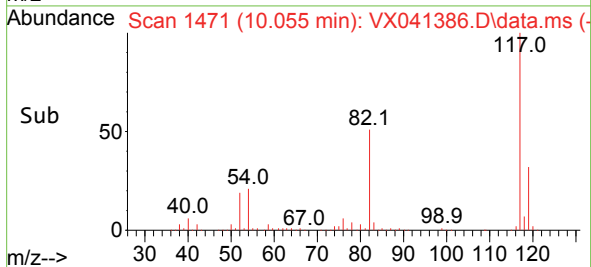
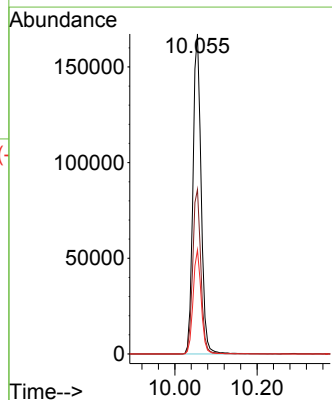
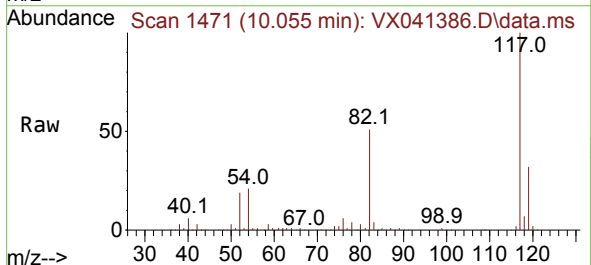
Instrument :
MSVOA_X
ClientSampleId :

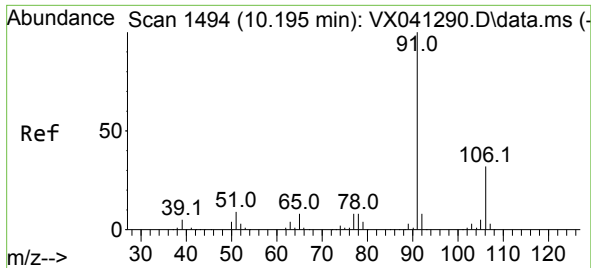
Tgt Ion: 95 Resp: 98179
Ion Ratio Lower Upper
95 100
174 100.2 0.0 135.6
176 97.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Tgt Ion: 117 Resp: 230513
Ion Ratio Lower Upper
117 100
82 51.4 46.2 69.4
119 32.5 25.5 38.3

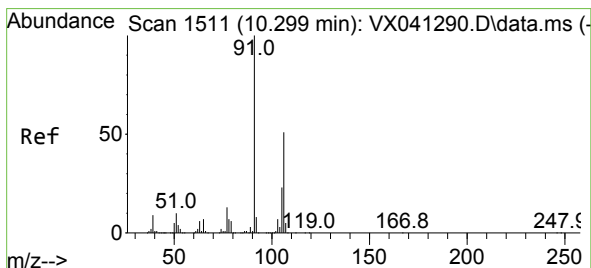
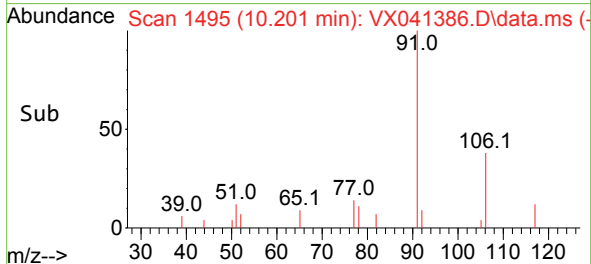
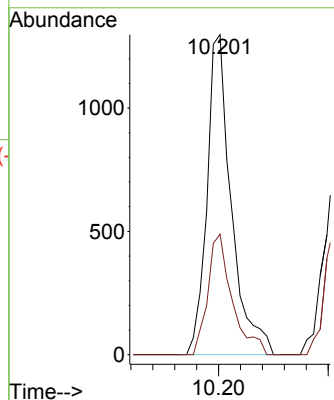
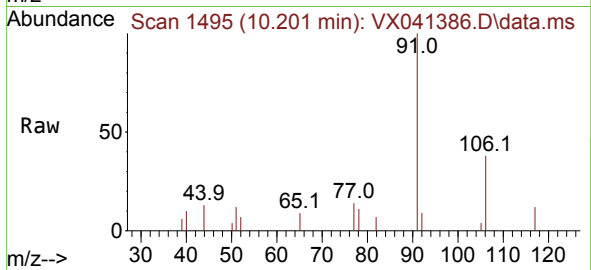




#67
Ethyl Benzene
Concen: 0.259 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

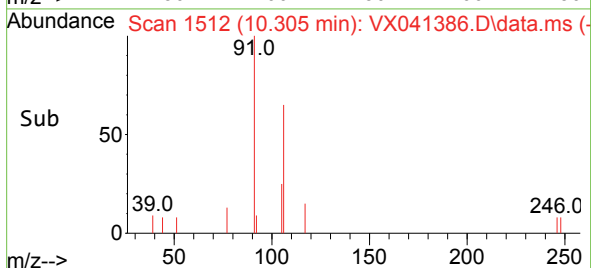
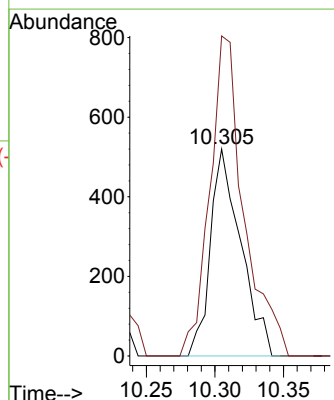
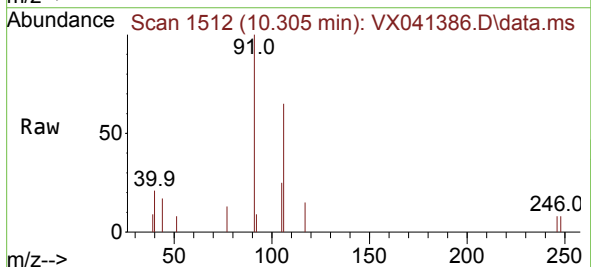
Instrument :
MSVOA_X
ClientSampleId :

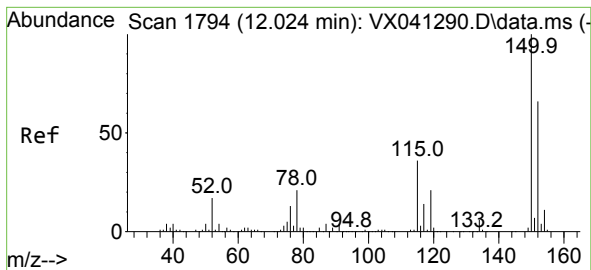
Tgt Ion: 91 Resp: 1997
Ion Ratio Lower Upper
91 100
106 37.7 24.9 37.3#



#68
m/p-Xylenes
Concen: 0.260 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Tgt Ion: 106 Resp: 803
Ion Ratio Lower Upper
106 100
91 172.7 165.5 248.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX041386.D

Acq: 06 May 2024 17:58

Instrument :

MSVOA_X

ClientSampleId :

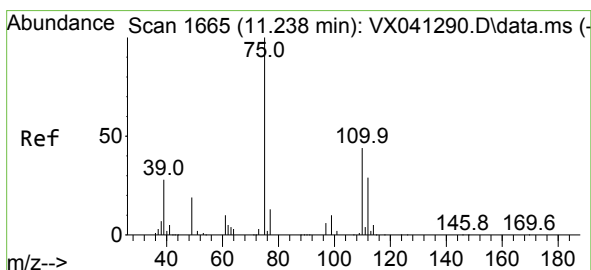
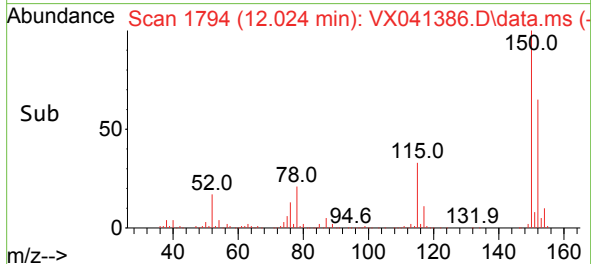
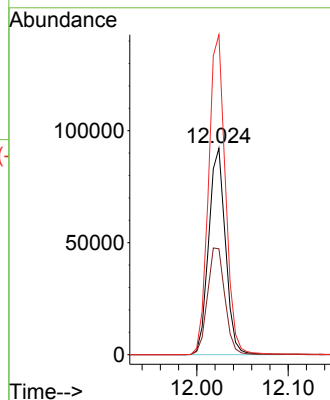
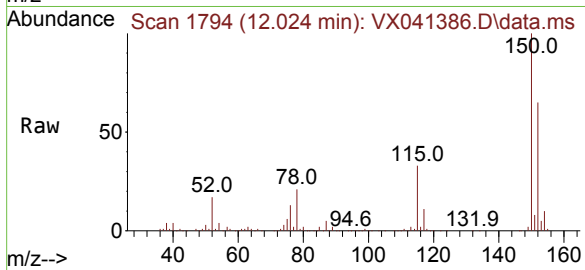
Tgt Ion:152 Resp: 117545

Ion Ratio Lower Upper

152 100

115 53.8 43.3 129.9

150 156.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 26.912 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041386.D

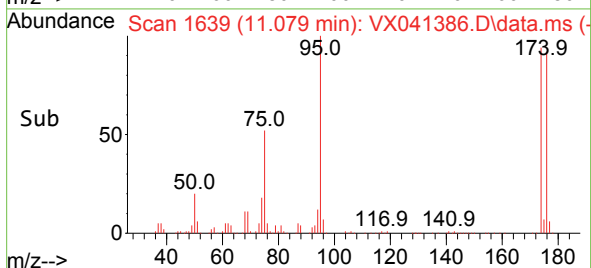
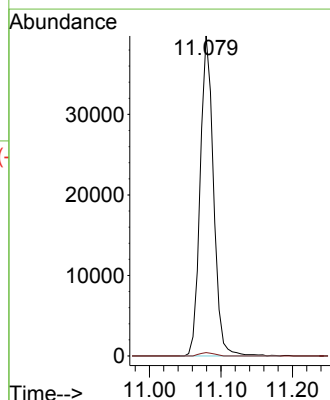
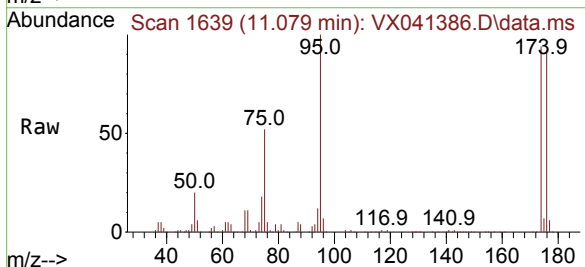
Acq: 06 May 2024 17:58

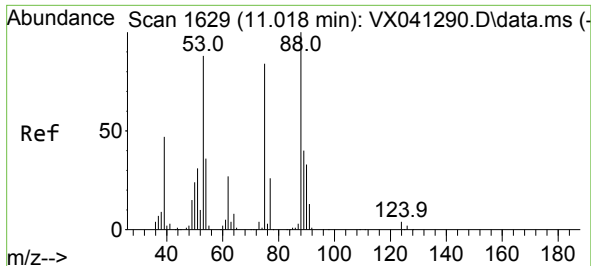
Tgt Ion: 75 Resp: 51553

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#

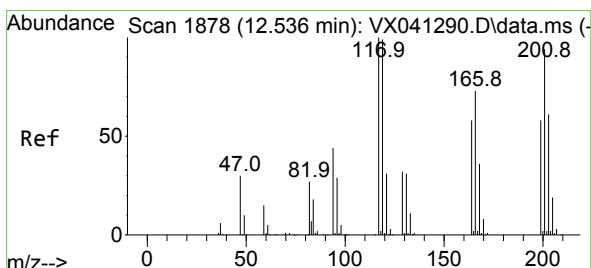
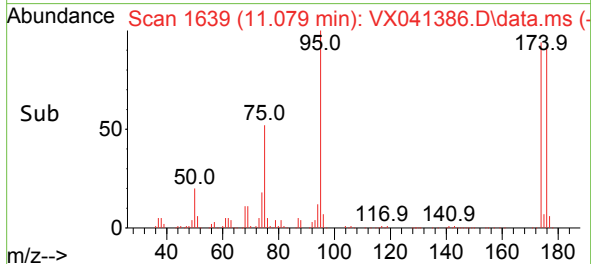
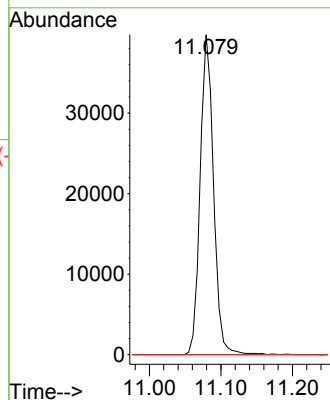
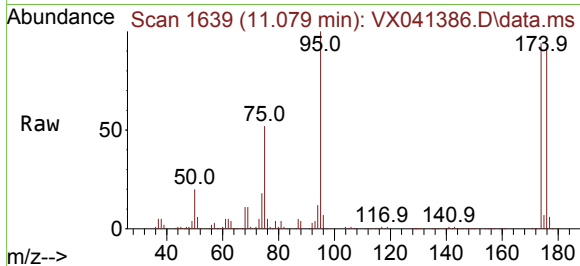




#81
trans-1,4-Dichloro-2-butene
Concen: 73.305 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 51553
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#90
Hexachloroethane
Concen: 0.203 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX041386.D
Acq: 06 May 2024 17:58

Tgt Ion: 117 Resp: 219
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#

