

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050624\
 Data File : VX041387.D
 Acq On : 06 May 2024 18:21
 Operator : JC/MD
 Sample : P2393-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 07 02:04:05 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)

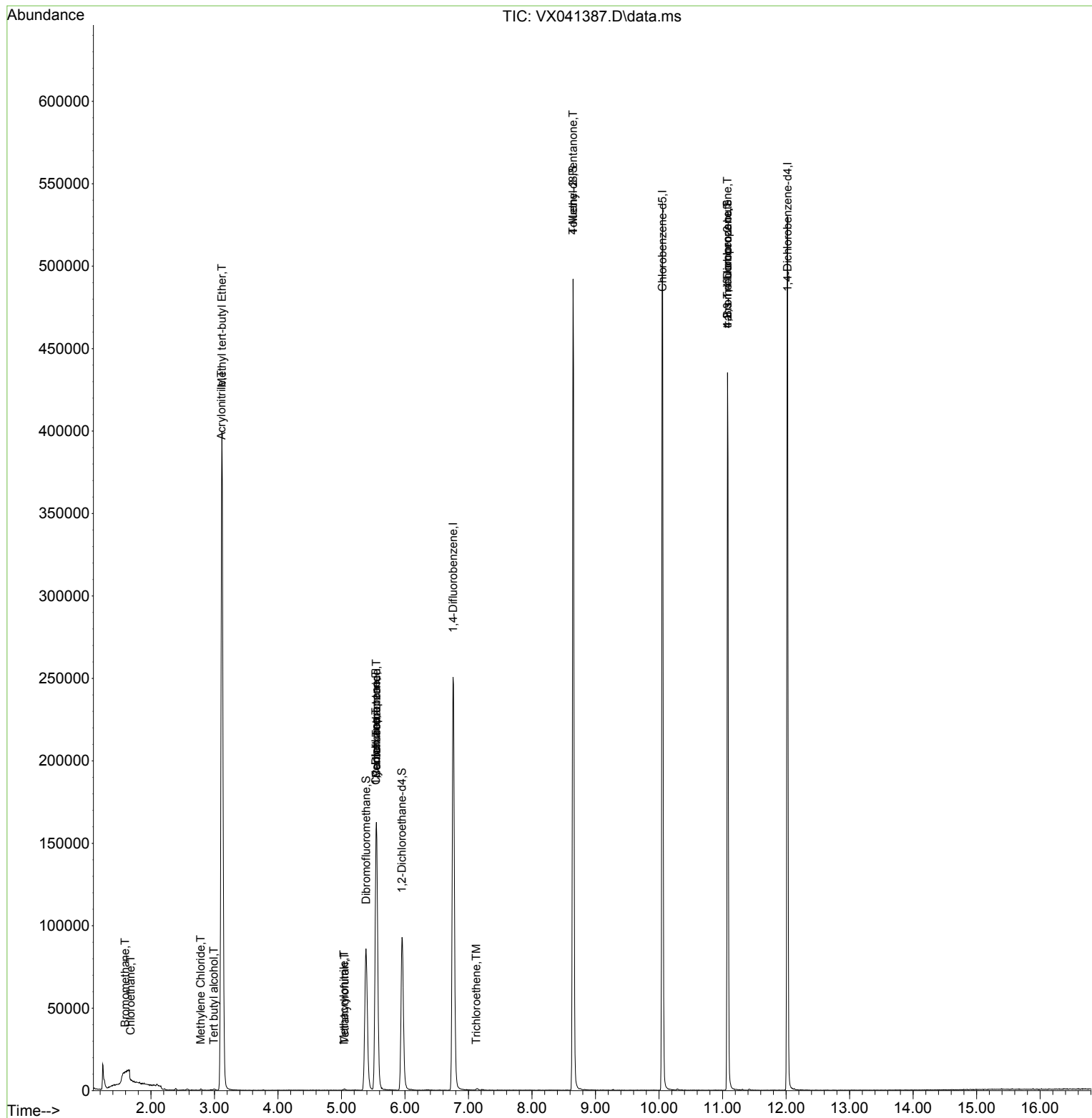
Internal Standards						
1) Pentafluorobenzene	5.549	168	173095	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	269595	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252109	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93972	49.869	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.740%
35) Dibromofluoromethane	5.385	113	74064	40.539	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	81.080%
50) Toluene-d8	8.646	98	296717	51.313	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.620%
62) 4-Bromofluorobenzene	11.079	95	108868	48.636	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.280%
Target Compounds						
						Qvalue
5) Bromomethane	1.593	94	227	0.258	ug/l	# 79
6) Chloroethane	1.678	64	1364	2.094	ug/l	# 53
11) Tert butyl alcohol	2.989	59	1118	2.964	ug/l	# 78
15) Acrylonitrile	3.111	53	4707	5.468	ug/l	# 29
16) Acetone	2.391	43	1032	Below Cal	#	87
19) Methyl tert-butyl Ether	3.117	73	429026	87.740	ug/l	99
20) Methylene Chloride	2.782	84	404	0.247	ug/l	# 62
29) Tetrahydrofuran	5.050	42	665	0.834	ug/l	# 69
31) Cyclohexane	5.543	56	2972	1.307	ug/l	# 1
36) 1,1-Dichloropropene	5.543	75	11052	5.059	ug/l	# 51
38) Carbon Tetrachloride	5.549	117	15444	6.171	ug/l	# 15
41) Methacrylonitrile	5.037	41	392	0.279	ug/l	# 52
44) Trichloroethene	7.122	130	465	0.261	ug/l	64
51) 4-Methyl-2-Pentanone	8.646	43	1245	0.506	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	54536	27.073	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	54536	73.744	ug/l	# 5

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

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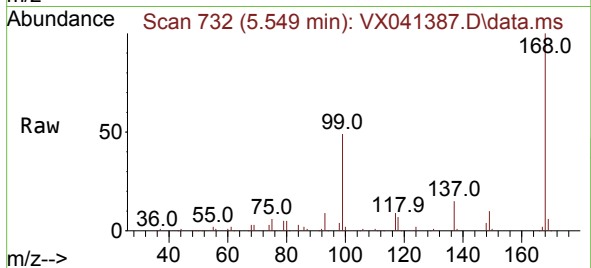
Quant Time: May 07 02:04:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
Quant Title : SW846 8260
QLast Update : Wed May 01 02:38:17 2024
Response via : Initial Calibration



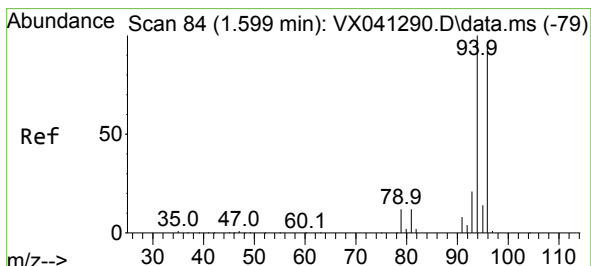
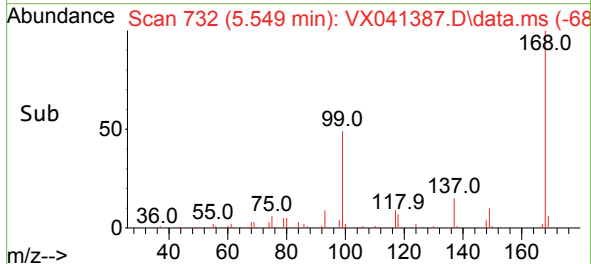
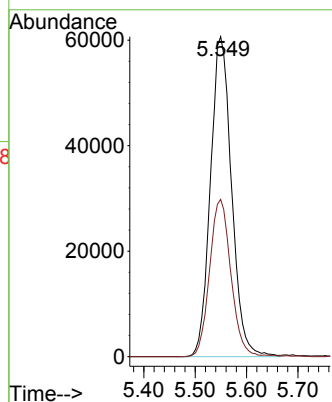


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Instrument :
MSVOA_X
ClientSampleId :

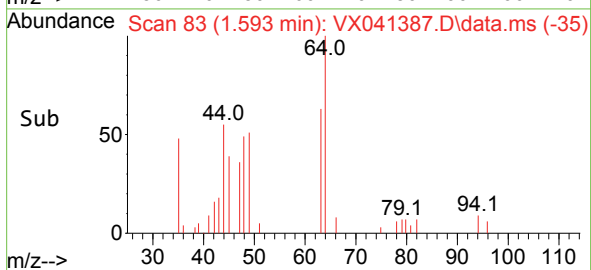
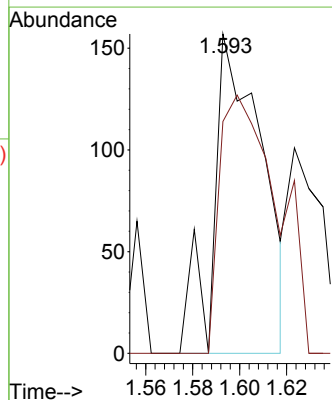
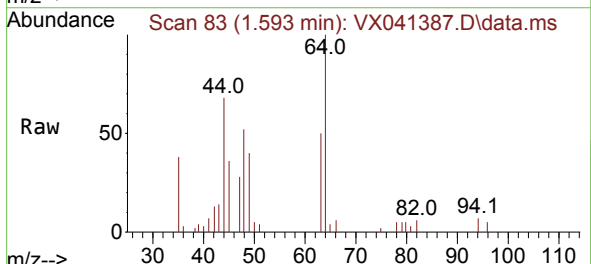


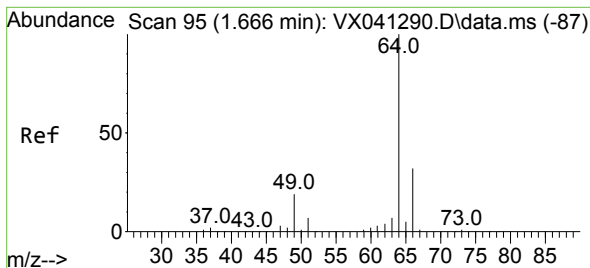
Tgt Ion:168 Resp: 173095
Ion Ratio Lower Upper
168 100
99 49.1 56.6 85.0#



#5
Bromomethane
Concen: 0.258 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Tgt Ion: 94 Resp: 227
Ion Ratio Lower Upper
94 100
96 72.6 74.6 111.8#





#6

Chloroethane

Concen: 2.094 ug/l

RT: 1.678 min Scan# 91

Delta R.T. 0.012 min

Lab File: VX041387.D

Acq: 06 May 2024 18:21

Instrument :

MSVOA_X

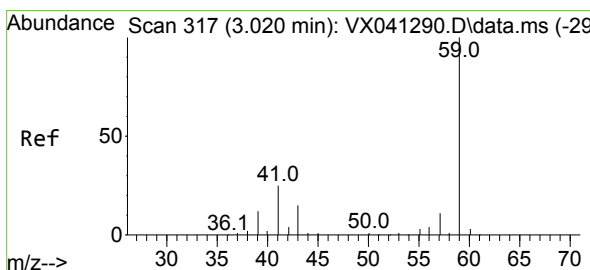
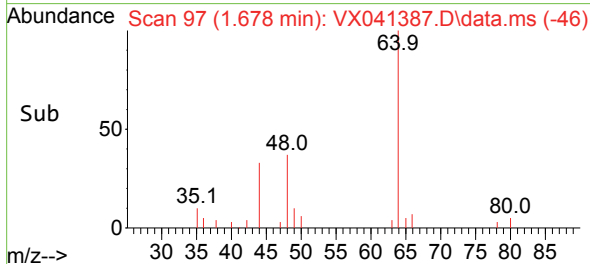
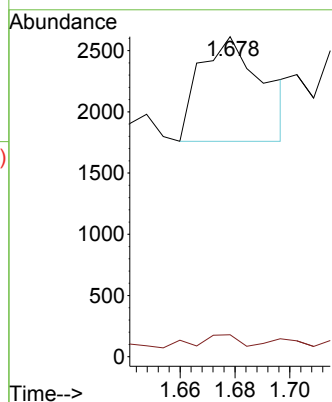
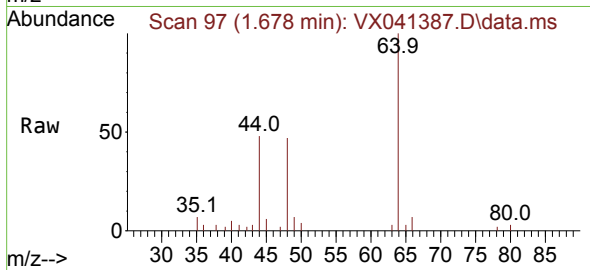
ClientSampleId :

Tgt Ion: 64 Resp: 1364

Ion Ratio Lower Upper

64 100

66 5.1 25.1 37.7#



#11

Tert butyl alcohol

Concen: 2.964 ug/l

RT: 2.989 min Scan# 312

Delta R.T. -0.031 min

Lab File: VX041387.D

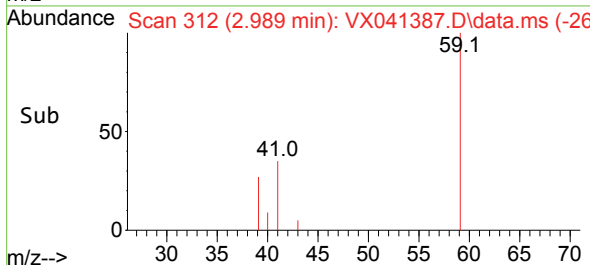
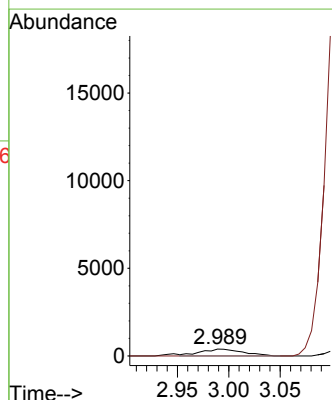
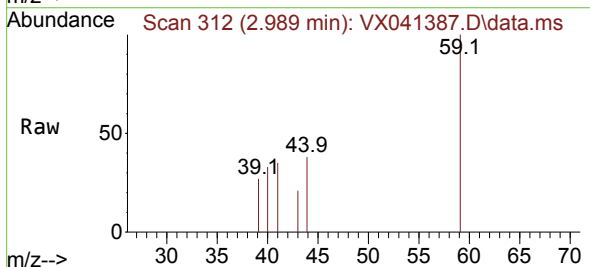
Acq: 06 May 2024 18:21

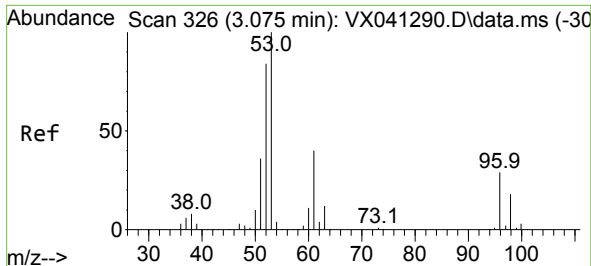
Tgt Ion: 59 Resp: 1118

Ion Ratio Lower Upper

59 100

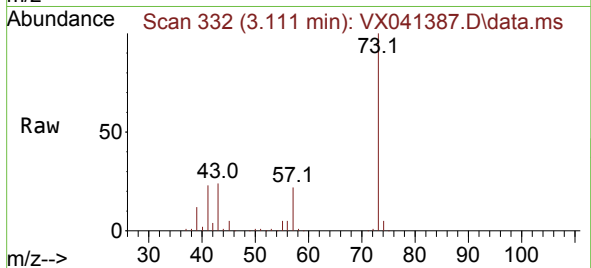
57 0.0 6.0 9.0#



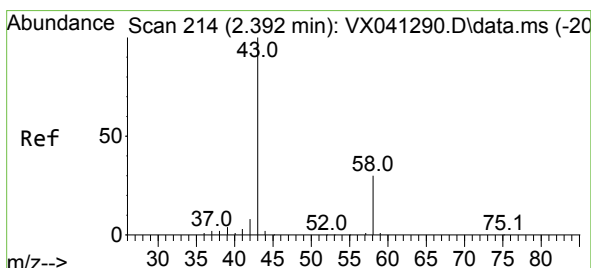
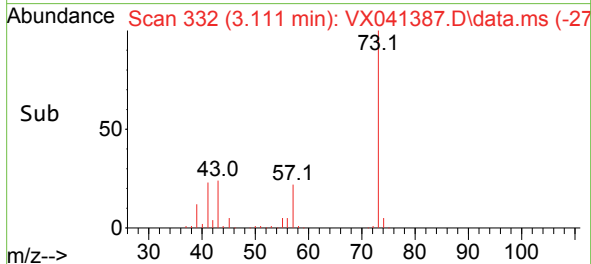
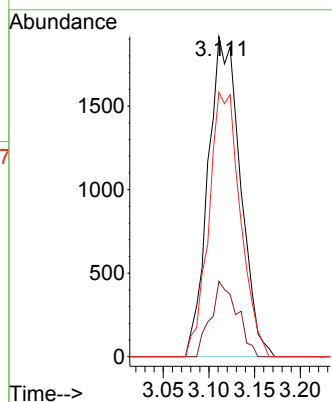


#15
Acrylonitrile
Concen: 5.468 ug/l
RT: 3.111 min Scan# 31
Delta R.T. 0.036 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Instrument :
MSVOA_X
ClientSampleId :

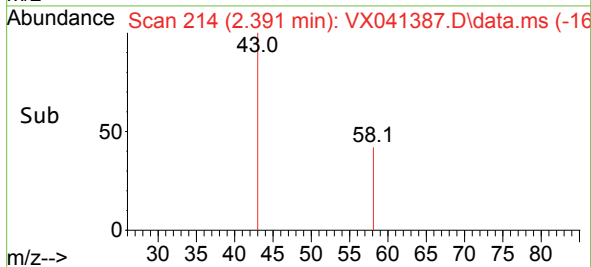
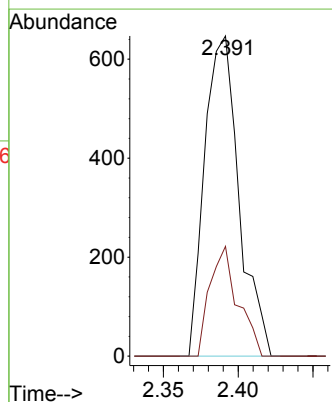
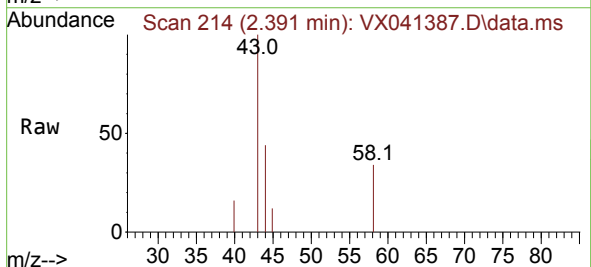


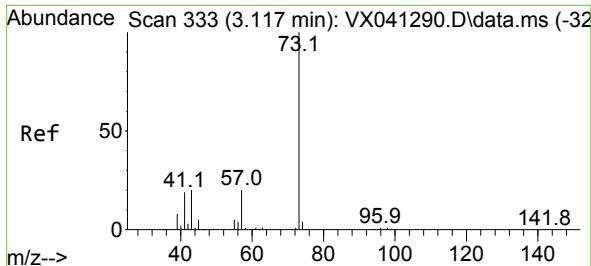
Tgt Ion: 53 Resp: 4707
Ion Ratio Lower Upper
53 100
52 19.4 66.0 99.0#
51 80.6 29.8 44.6#



#16
Acetone
Concen: Below Cal
RT: 2.391 min Scan# 214
Delta R.T. -0.001 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Tgt Ion: 43 Resp: 1032
Ion Ratio Lower Upper
43 100
58 34.3 21.9 32.9#

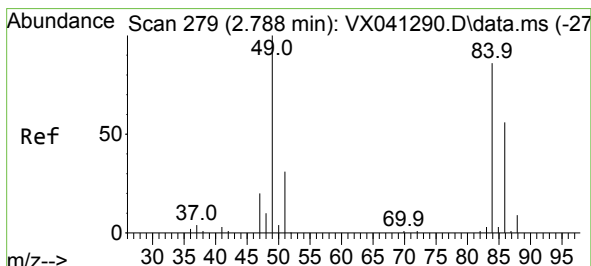
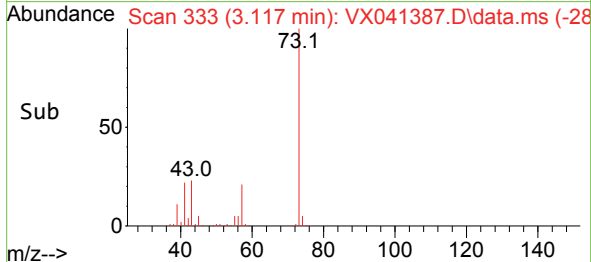
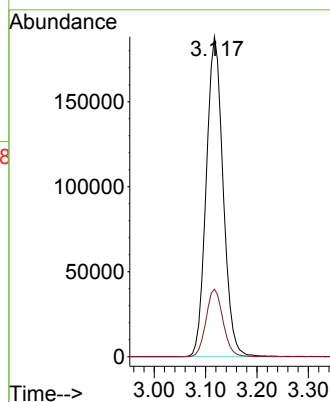
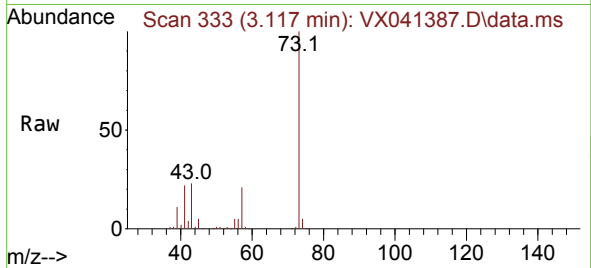




#19
Methyl tert-butyl Ether
Concen: 87.740 ug/l
RT: 3.117 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

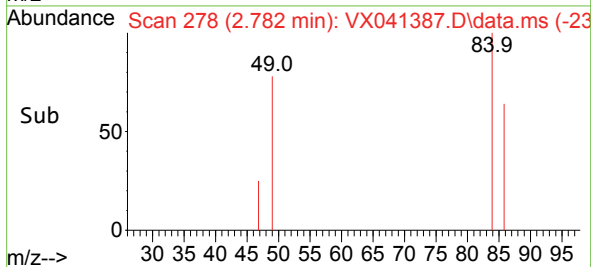
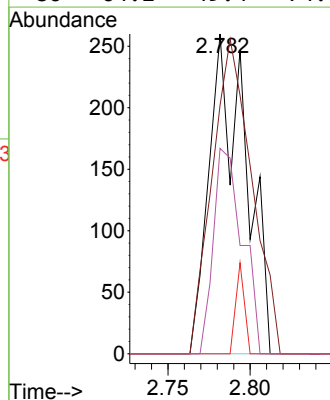
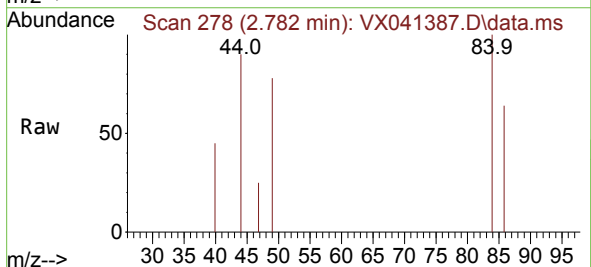
Instrument :
MSVOA_X
ClientSampleId :

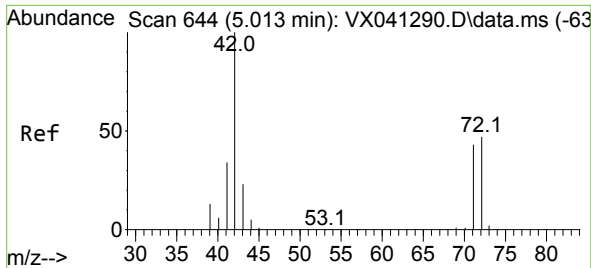
Tgt Ion: 73 Resp: 429026
Ion Ratio Lower Upper
73 100
57 21.1 17.3 25.9



#20
Methylene Chloride
Concen: 0.247 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Tgt Ion: 84 Resp: 404
Ion Ratio Lower Upper
84 100
49 77.7 103.6 155.4#
51 0.0 33.8 50.6#
86 64.2 49.4 74.0





#29

Tetrahydrofuran

Concen: 0.834 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.036 min

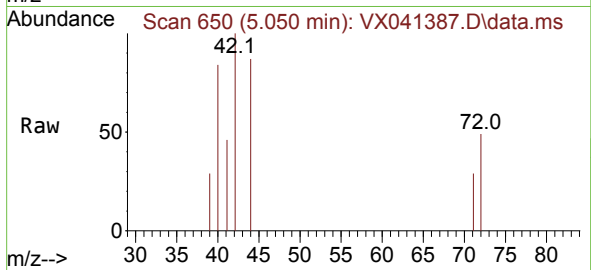
Lab File: VX041387.D

Acq: 06 May 2024 18:21

Instrument :

MSVOA_X

ClientSampleId :



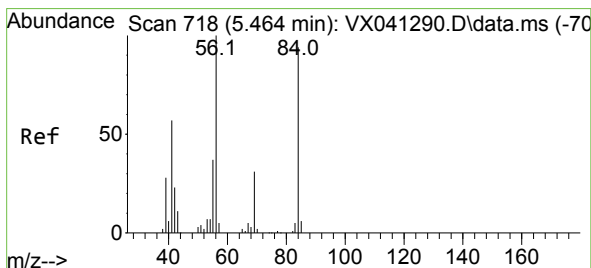
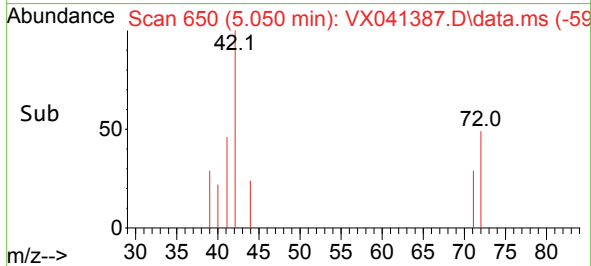
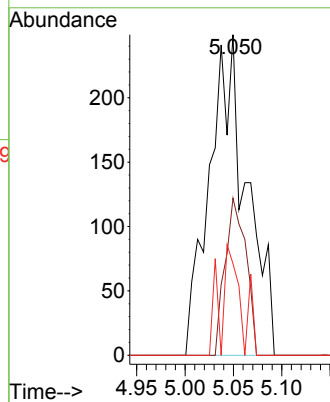
Tgt Ion: 42 Resp: 665

Ion Ratio Lower Upper

42 100

72 27.5 34.2 51.4#

71 15.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.307 ug/l

RT: 5.543 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX041387.D

Acq: 06 May 2024 18:21

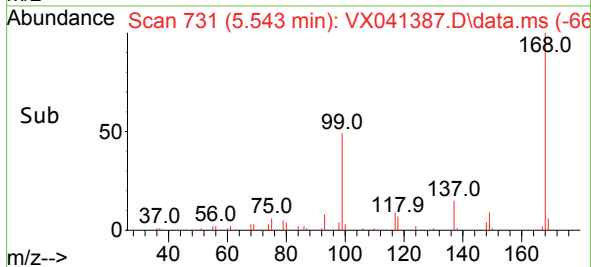
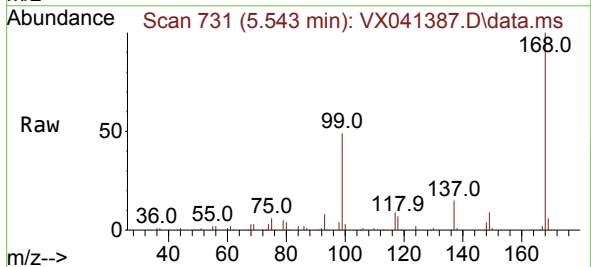
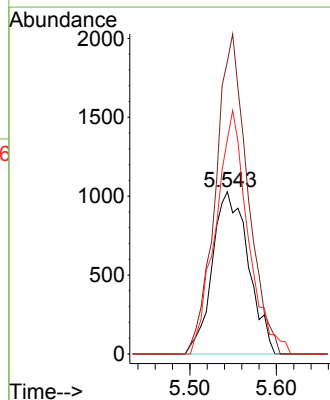
Tgt Ion: 56 Resp: 2972

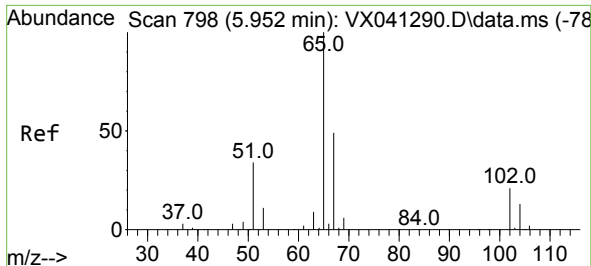
Ion Ratio Lower Upper

56 100

69 180.4 23.4 35.2#

84 132.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.869 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041387.D

Acq: 06 May 2024 18:21

Instrument :

MSVOA_X

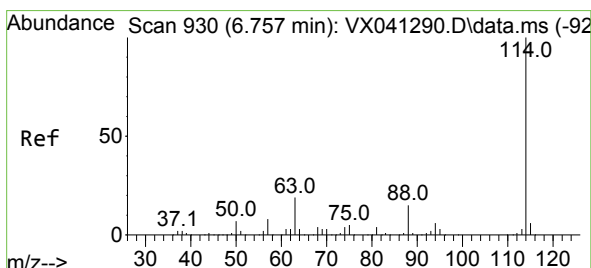
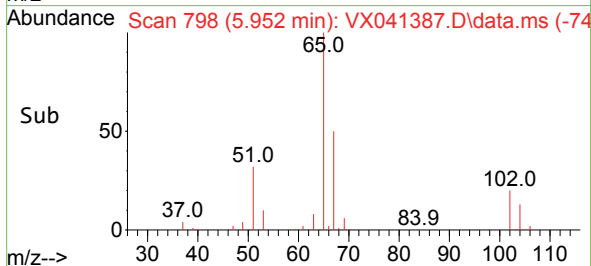
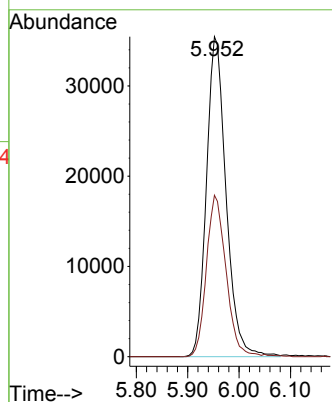
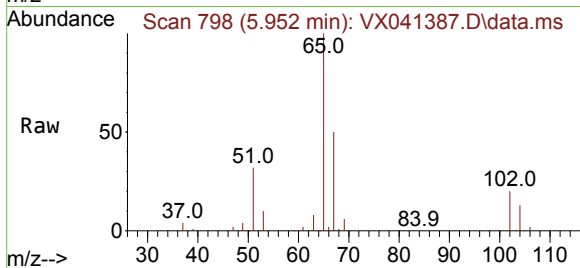
ClientSampleId :

Tgt Ion: 65 Resp: 93972

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX041387.D

Acq: 06 May 2024 18:21

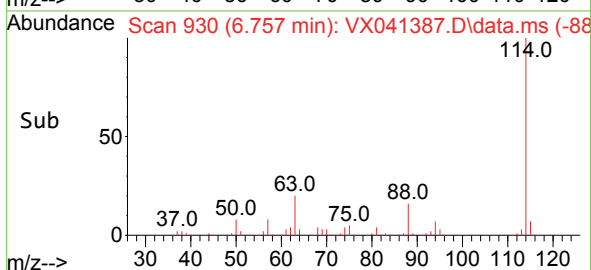
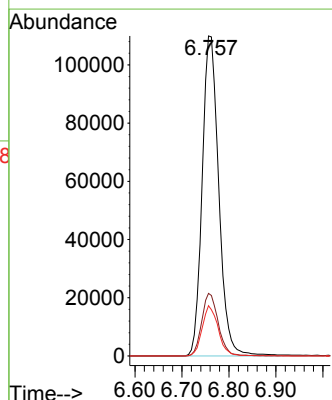
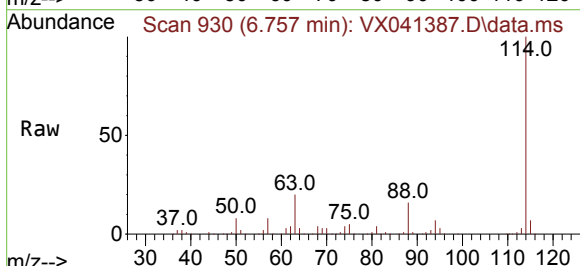
Tgt Ion: 114 Resp: 269595

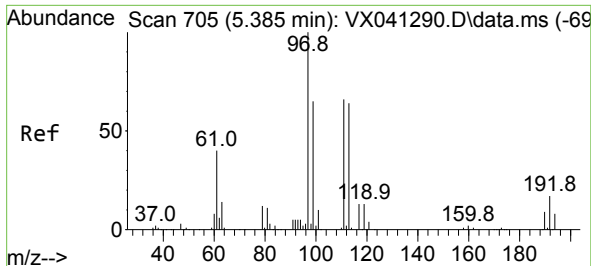
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

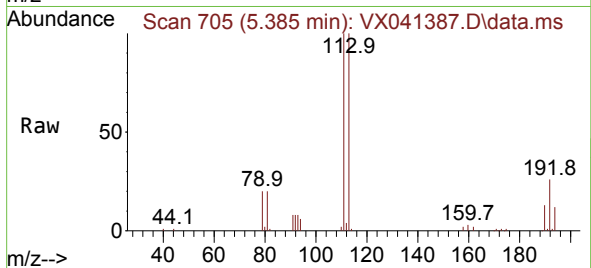
88 15.7 0.0 36.6



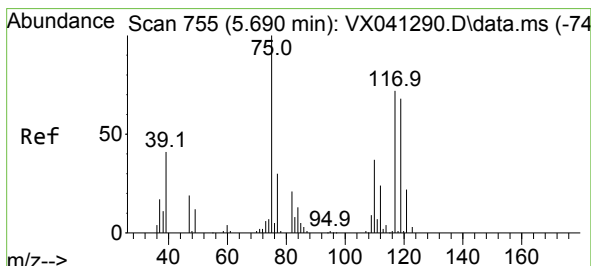
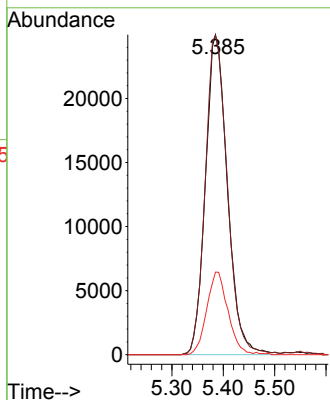
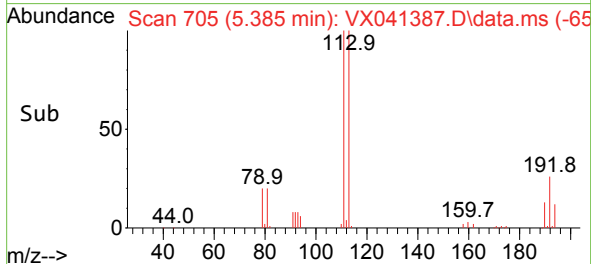


#35
Dibromofluoromethane
Concen: 40.539 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

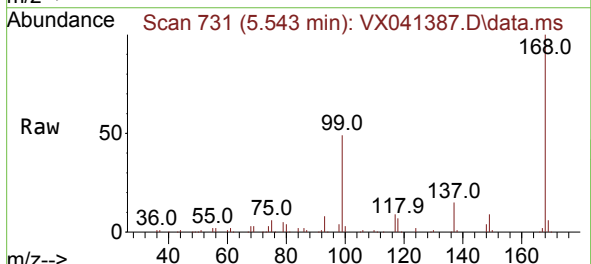
Instrument :
MSVOA_X
ClientSampleId :



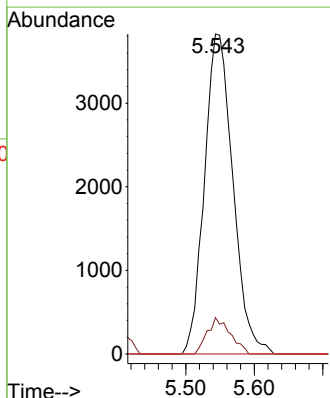
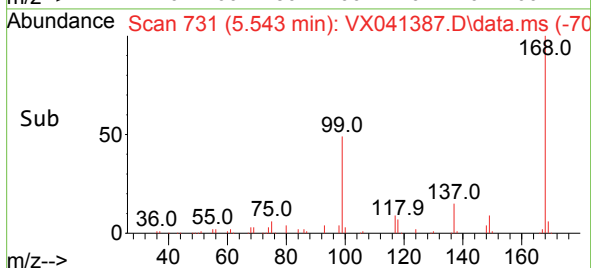
Tgt Ion:113 Resp: 74064
Ion Ratio Lower Upper
113 100
111 100.5 82.9 124.3
192 25.1 13.3 19.9#

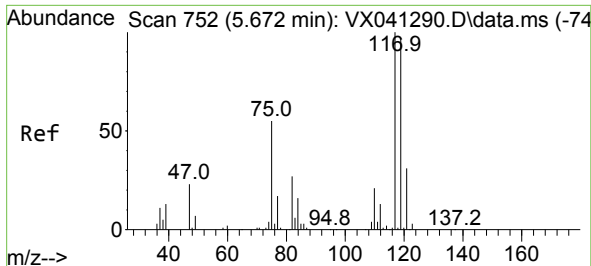


#36
1,1-Dichloropropene
Concen: 5.059 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.147 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21



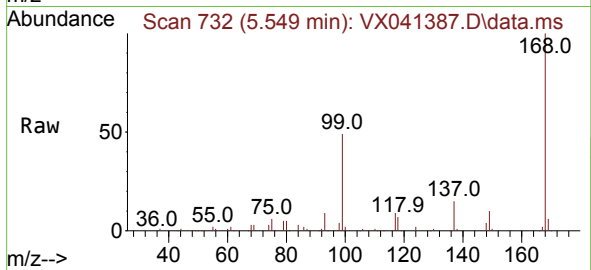
Tgt Ion: 75 Resp: 11052
Ion Ratio Lower Upper
75 100
110 9.2 17.0 50.9#
77 0.0 24.7 37.1#



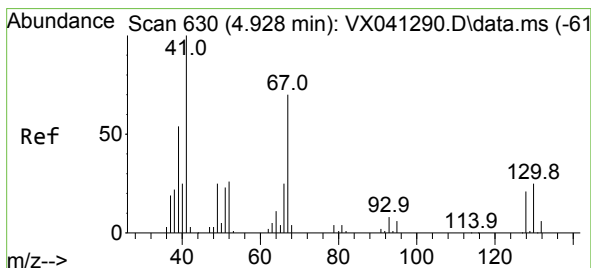
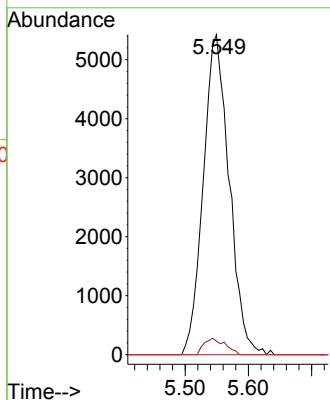
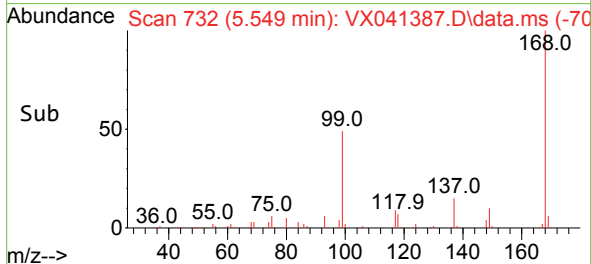


#38
Carbon Tetrachloride
Concen: 6.171 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Instrument :
MSVOA_X
ClientSampleId :

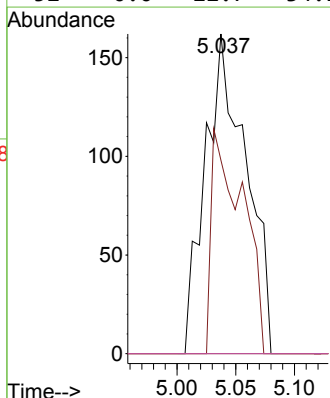
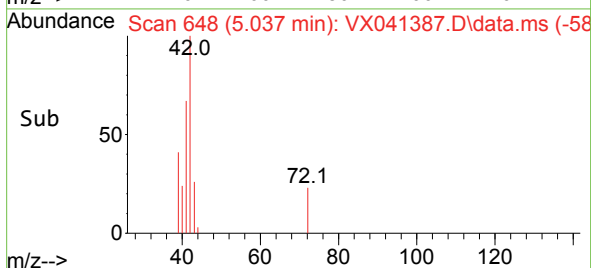
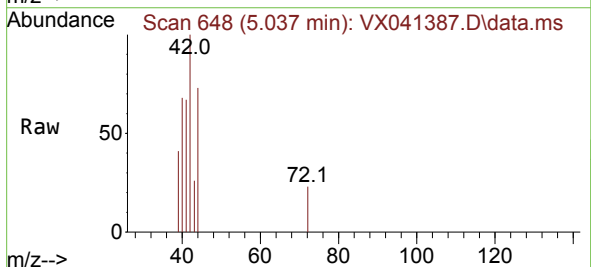


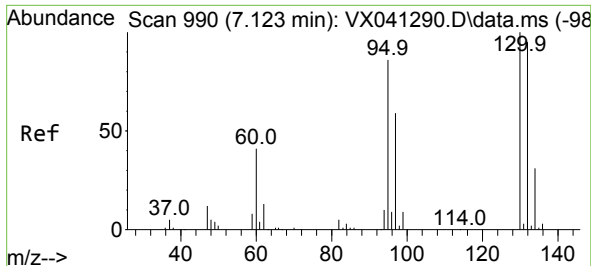
Tgt Ion:117 Resp: 15444
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.279 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.109 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Tgt Ion: 41 Resp: 392
Ion Ratio Lower Upper
41 100
39 53.8 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

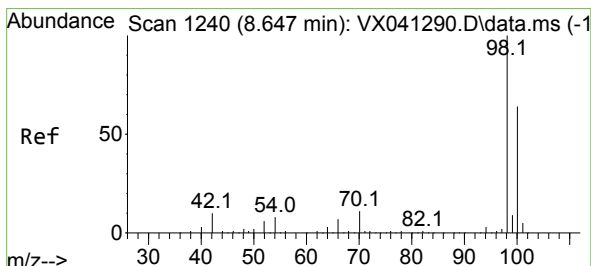
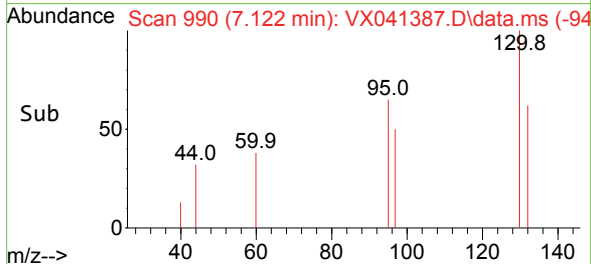
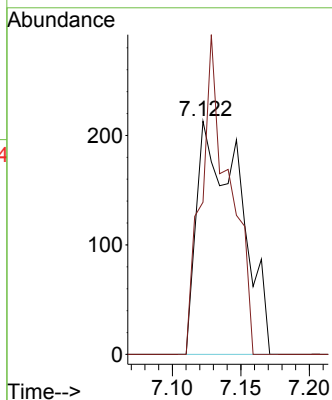
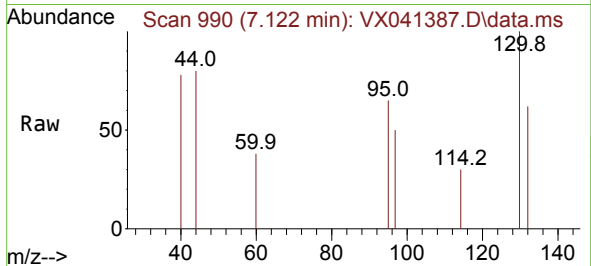




#44
Trichloroethene
Concen: 0.261 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

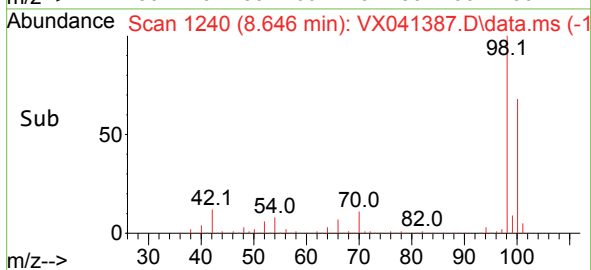
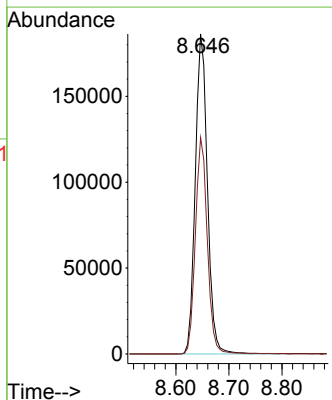
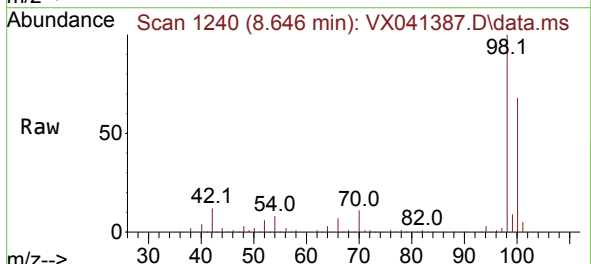
Instrument :
MSVOA_X
ClientSampleId :

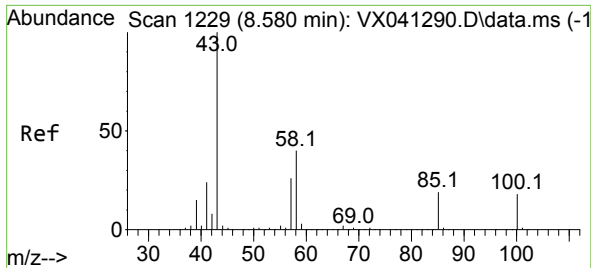
Tgt Ion:130 Resp: 465
Ion Ratio Lower Upper
130 100
95 65.3 0.0 204.4



#50
Toluene-d8
Concen: 51.313 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041387.D
Acq: 06 May 2024 18:21

Tgt Ion: 98 Resp: 296717
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

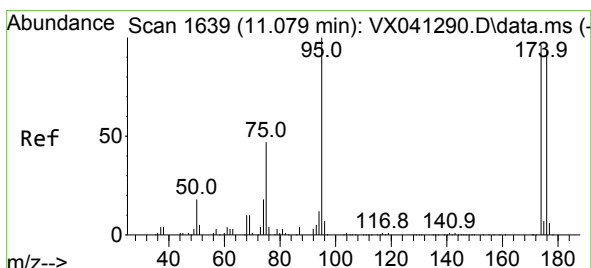
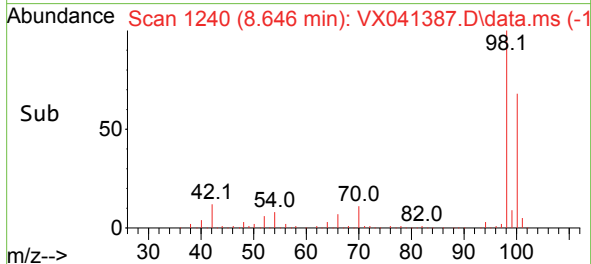
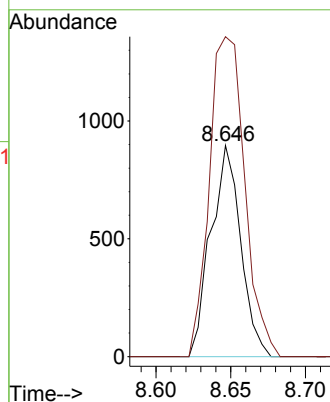
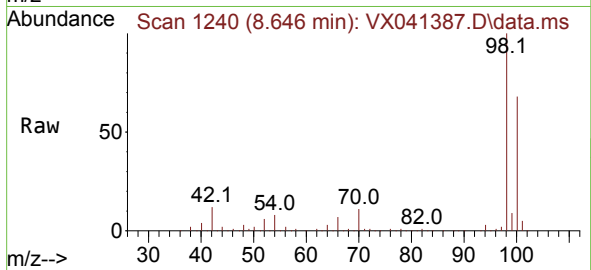




#51
 4-Methyl-2-Pentanone
 Concen: 0.506 ug/l
 RT: 8.646 min Scan# 1240
 Delta R.T. 0.067 min
 Lab File: VX041387.D
 Acq: 06 May 2024 18:21

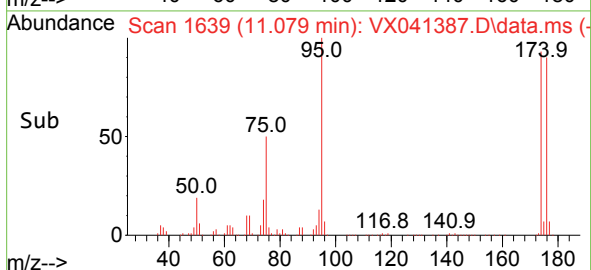
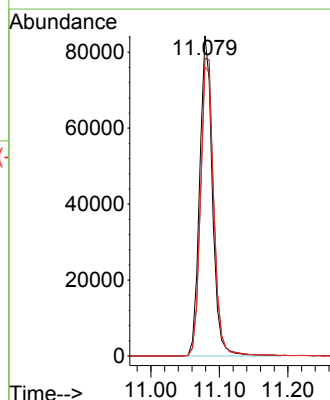
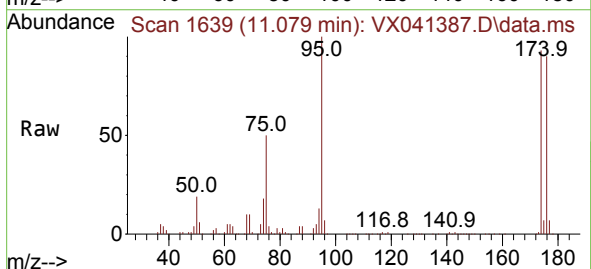
Instrument :
 MSVOA_X
 ClientSampleId :

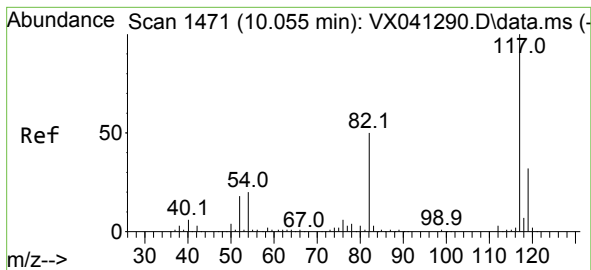
Tgt Ion: 43 Resp: 1245
 Ion Ratio Lower Upper
 43 100
 58 179.6 30.4 45.6#



#62
 4-Bromofluorobenzene
 Concen: 48.636 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VX041387.D
 Acq: 06 May 2024 18:21

Tgt Ion: 95 Resp: 108868
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 135.6
 176 95.6 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: VX041387.D

Acq: 06 May 2024 18:21

Instrument :

MSVOA_X

ClientSampleId :

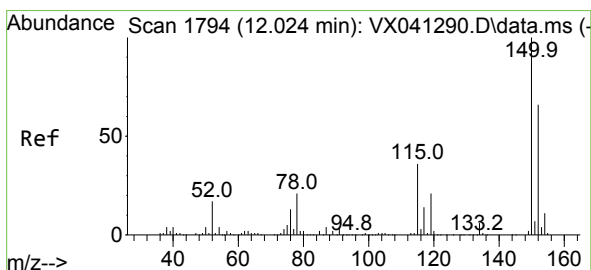
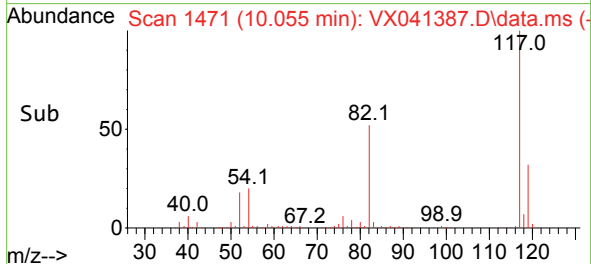
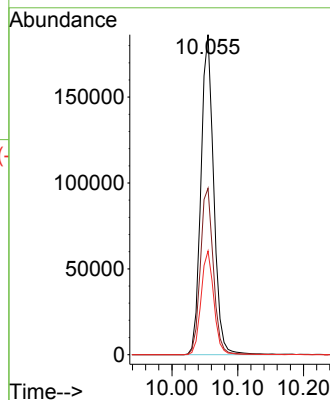
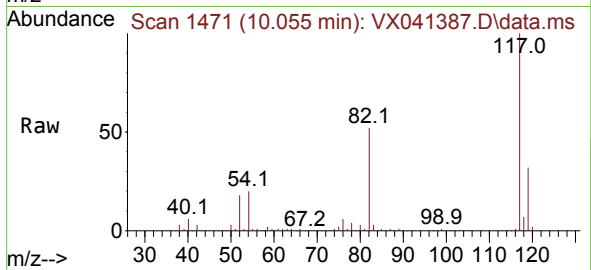
Tgt Ion:117 Resp: 252109

Ion Ratio Lower Upper

117 100

82 52.0 46.2 69.4

119 32.4 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: VX041387.D

Acq: 06 May 2024 18:21

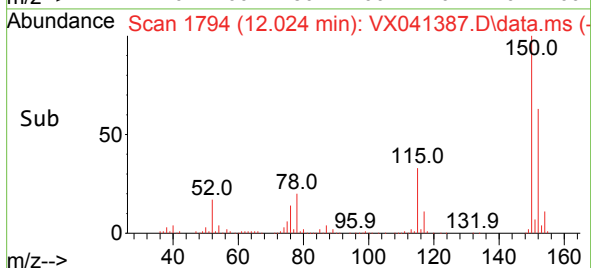
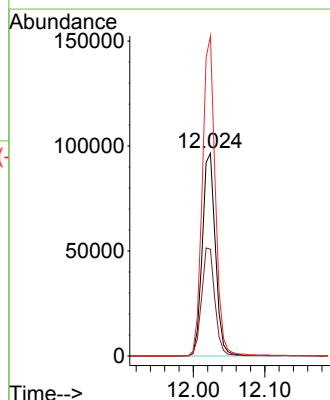
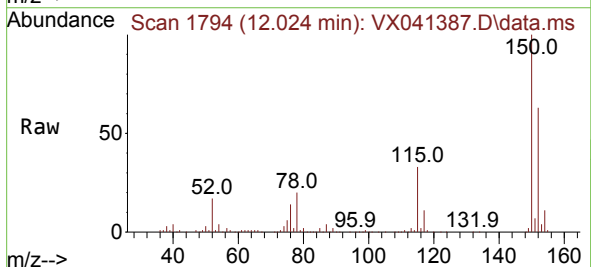
Tgt Ion:152 Resp: 123607

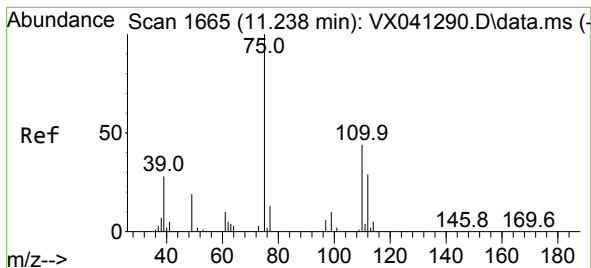
Ion Ratio Lower Upper

152 100

115 53.7 43.3 129.9

150 154.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.073 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041387.D

Acq: 06 May 2024 18:21

Instrument :

MSVOA_X

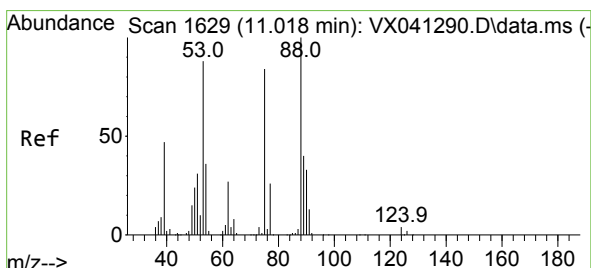
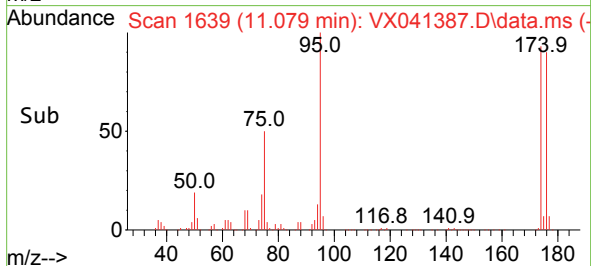
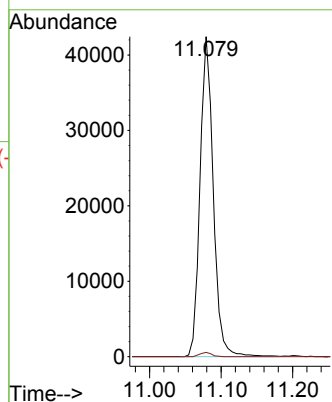
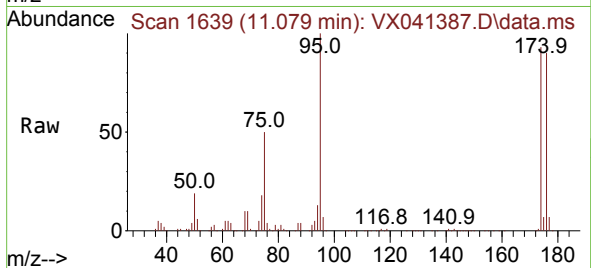
ClientSampleId :

Tgt Ion: 75 Resp: 54536

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.744 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041387.D

Acq: 06 May 2024 18:21

Tgt Ion: 75 Resp: 54536

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

