

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061924\
 Data File : VX041942.D
 Acq On : 19 Jun 2024 12:44
 Operator : JC/MD
 Sample : P2928-06RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 00:58:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 19 07:57:22 2024
 Response via : Initial Calibration

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

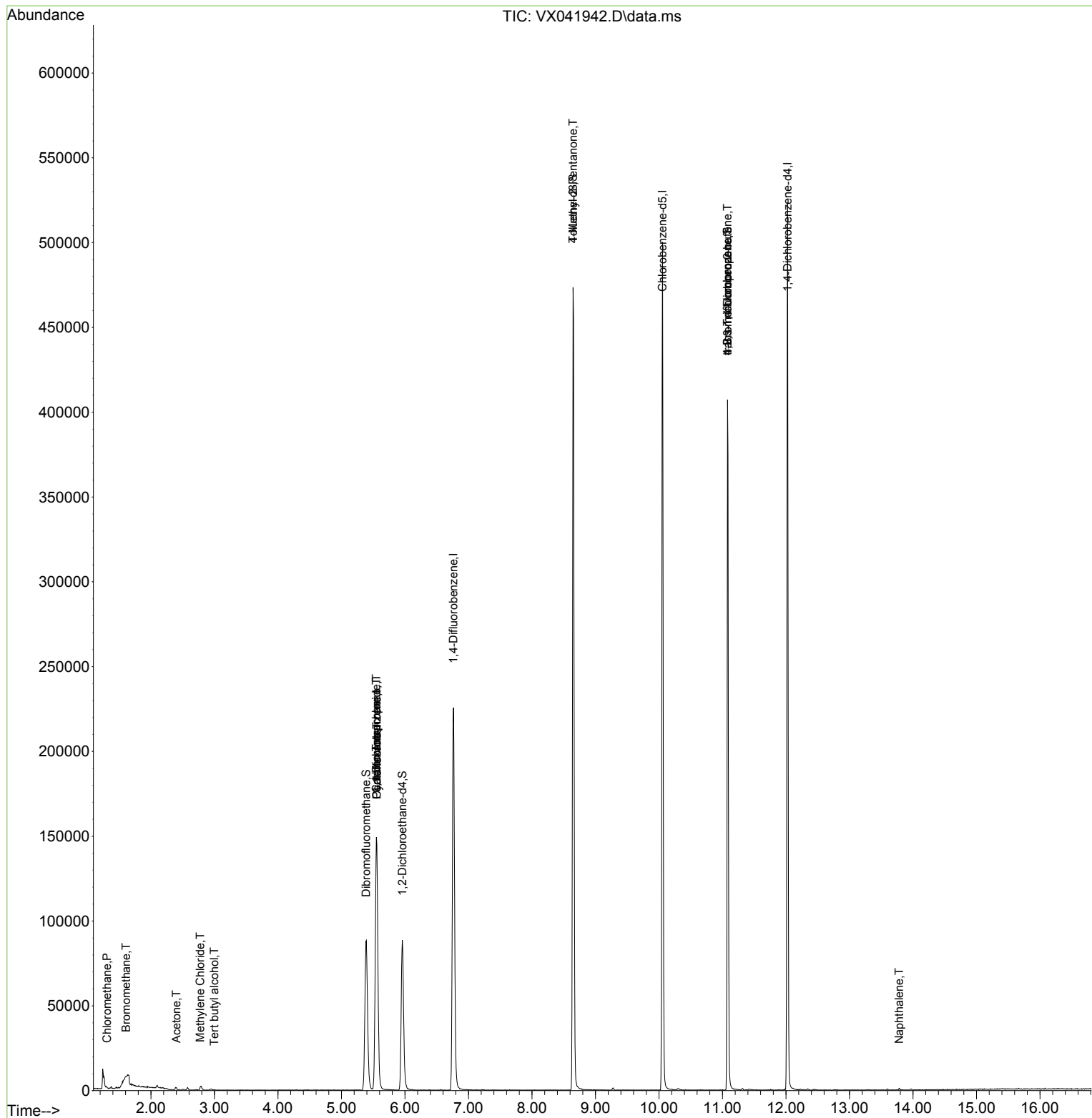
Internal Standards						
1) Pentafluorobenzene	5.556	168	165399	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	251454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	121939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84604	44.359	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.720%
35) Dibromofluoromethane	5.385	113	79572	44.598	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.200%
50) Toluene-d8	8.647	98	297511	47.465	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.940%
62) 4-Bromofluorobenzene	11.079	95	109836	47.537	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.080%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	516	0.326	ug/l	95
5) Bromomethane	1.605	94	397	0.507	ug/l	# 79
6) Chloroethane	1.685	64	306	Below Cal	#	43
11) Tert butyl alcohol	2.995	59	189	0.522	ug/l	# 78
16) Acetone	2.398	43	1688	2.016	ug/l	98
20) Methylene Chloride	2.776	84	1400	0.763	ug/l	# 72
31) Cyclohexane	5.556	56	2325	1.042	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	9618	5.076	ug/l	# 50
38) Carbon Tetrachloride	5.550	117	14137	6.753	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.647	43	1161	0.445	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	49892	22.538	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	49892	64.006	ug/l	# 5
95) Naphthalene	13.780	128	1017	0.862	ug/l	# 83

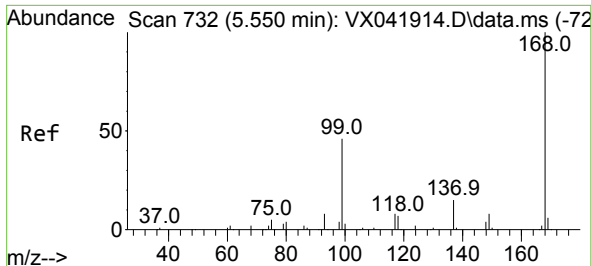
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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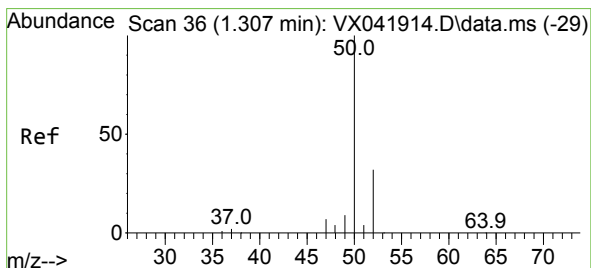
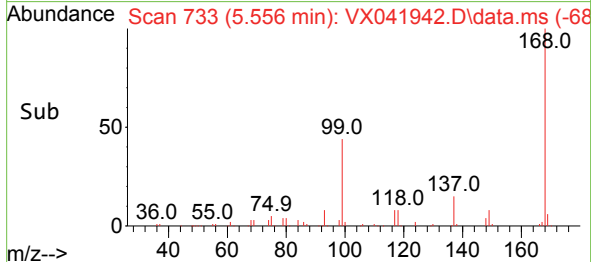
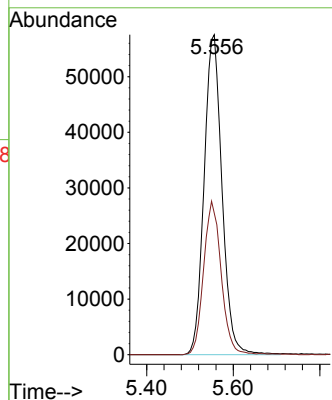
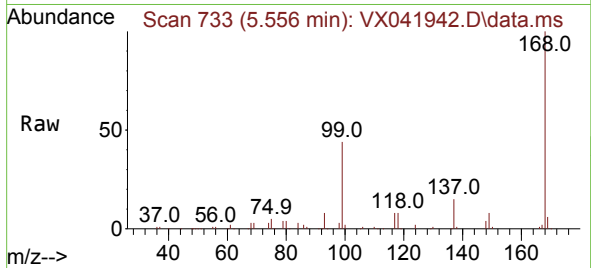




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

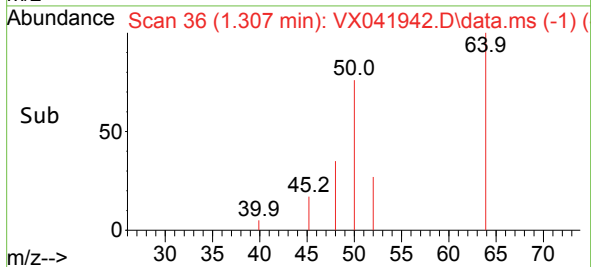
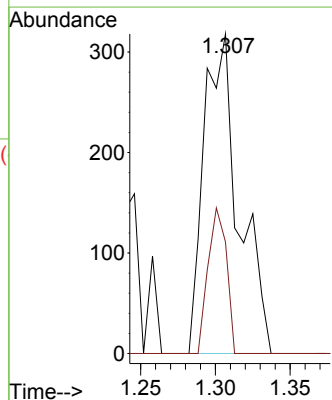
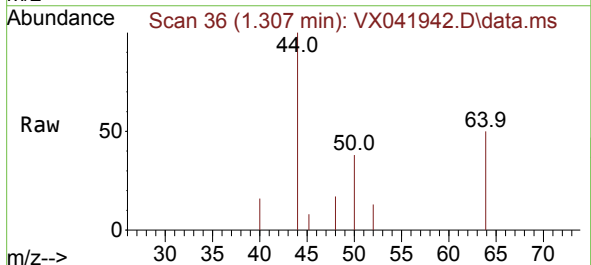
Instrument :
MSVOA_X
ClientSampleId :

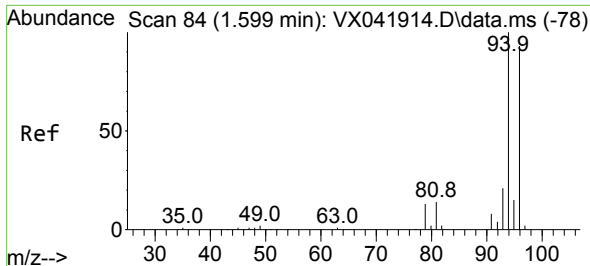
Tgt Ion:168 Resp: 165399
Ion Ratio Lower Upper
168 100
99 44.2 56.6 85.0#



#3
Chloromethane
Concen: 0.326 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 34.9 25.5 38.3

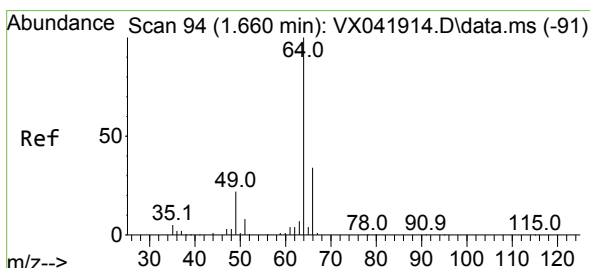
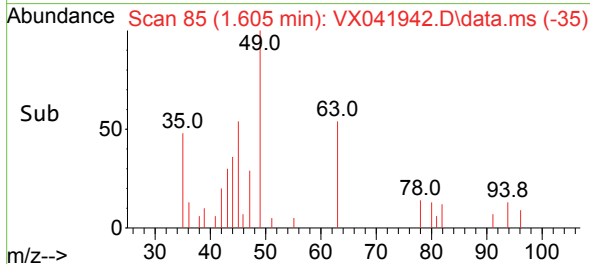
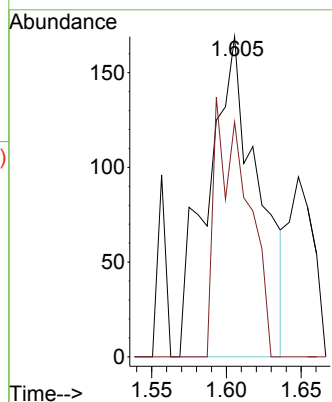
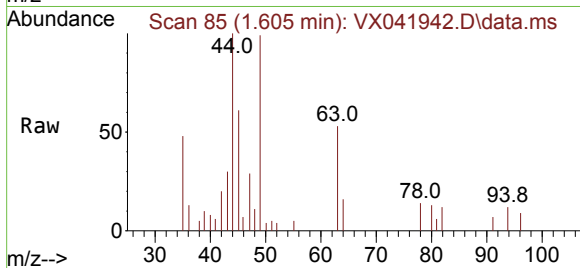




#5
Bromomethane
Concen: 0.507 ug/l
RT: 1.605 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

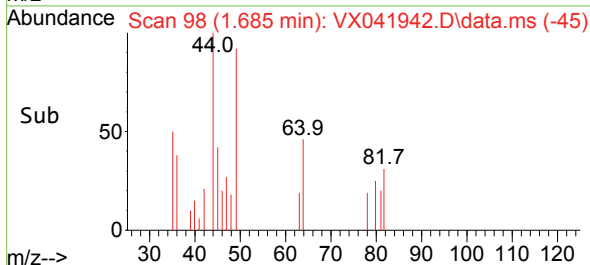
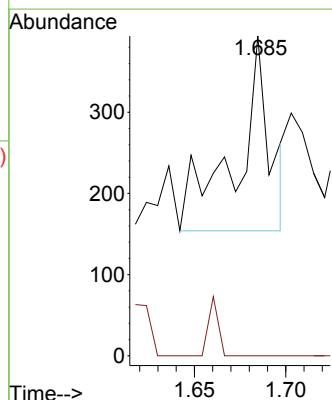
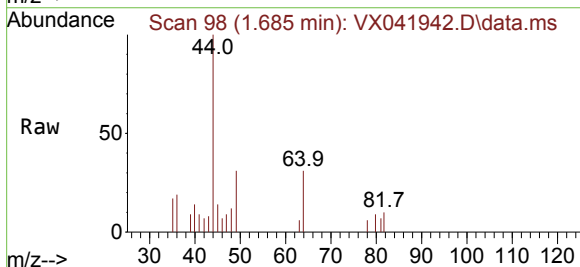
Instrument :
MSVOA_X
ClientSampleId :

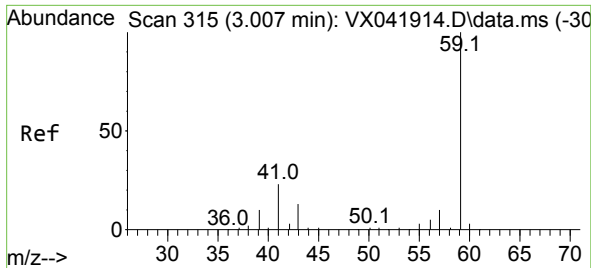
Tgt Ion: 94 Resp: 397
Ion Ratio Lower Upper
94 100
96 73.4 74.6 111.8#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.025 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.522 ug/l

RT: 2.995 min Scan# 31

Delta R.T. -0.012 min

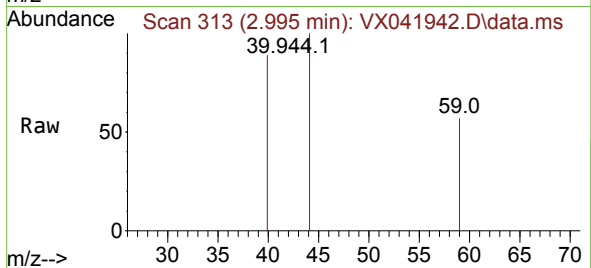
Lab File: VX041942.D

Acq: 19 Jun 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

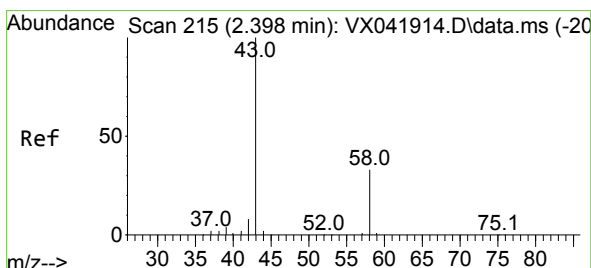
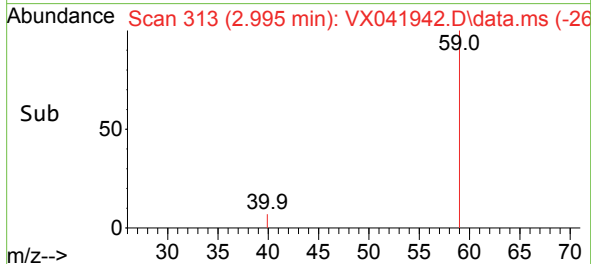
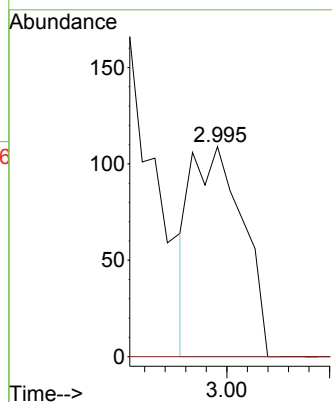


Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 2.016 ug/l

RT: 2.398 min Scan# 215

Delta R.T. 0.000 min

Lab File: VX041942.D

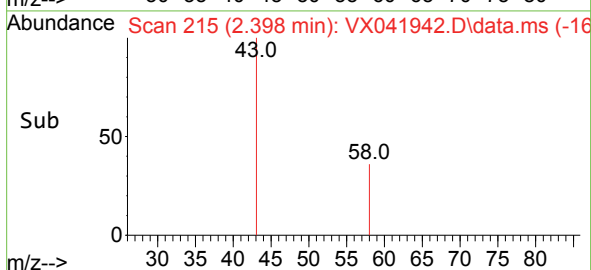
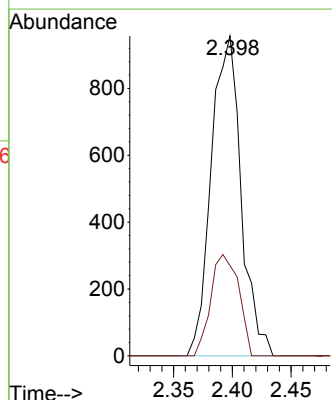
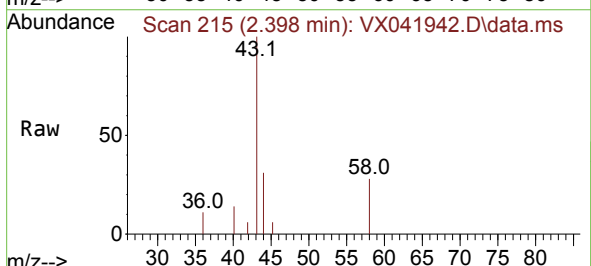
Acq: 19 Jun 2024 12:44

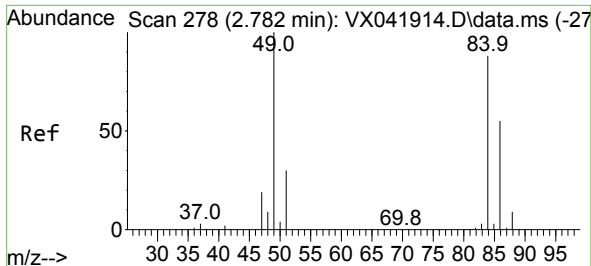
Tgt Ion: 43 Resp: 1688

Ion Ratio Lower Upper

43 100

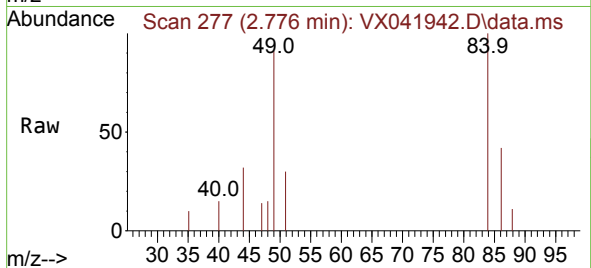
58 28.2 21.9 32.9



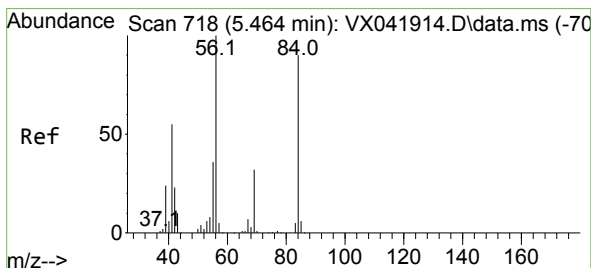
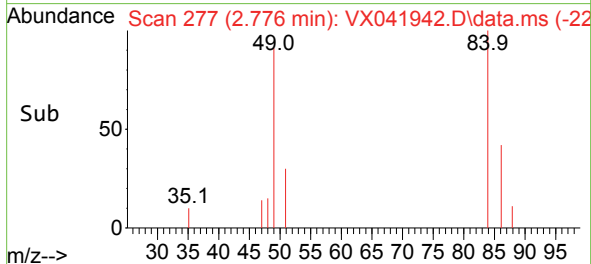
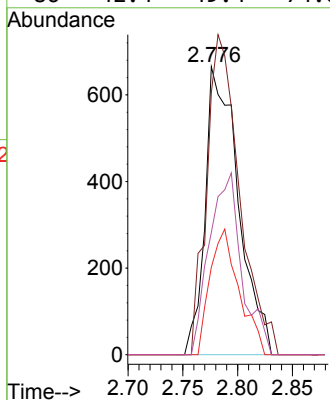


#20
Methylene Chloride
Concen: 0.763 ug/l
RT: 2.776 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

Instrument :
MSVOA_X
ClientSampleId :

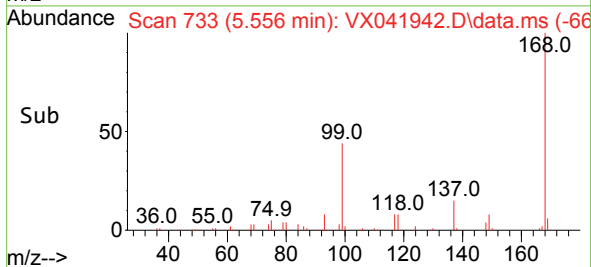
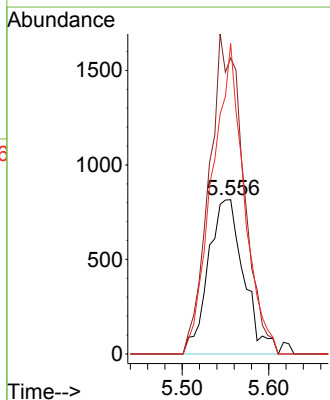
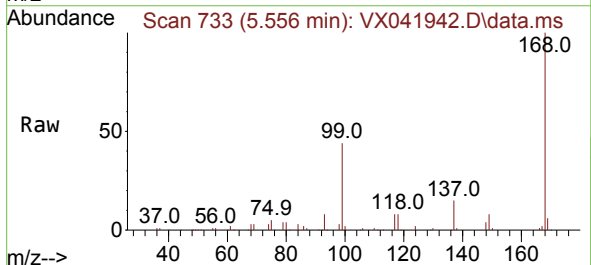


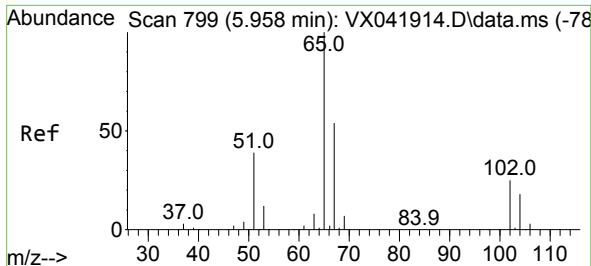
Tgt Ion:	84	Resp:	1400
Ion	Ratio	Lower	Upper
84	100		
49	91.0	103.6	155.4#
51	30.4	33.8	50.6#
86	42.4	49.4	74.0#



#31
Cyclohexane
Concen: 1.042 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.092 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

Tgt Ion:	56	Resp:	2325
Ion	Ratio	Lower	Upper
56	100		
69	191.9	23.4	35.2#
84	201.2	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.359 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX041942.D

Acq: 19 Jun 2024 12:44

Instrument :

MSVOA_X

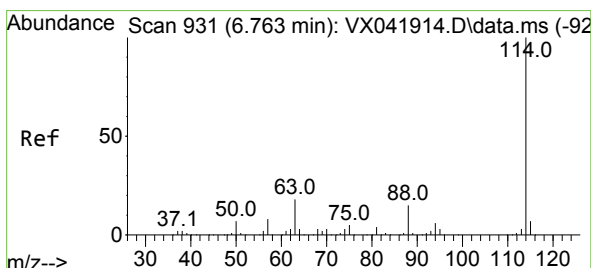
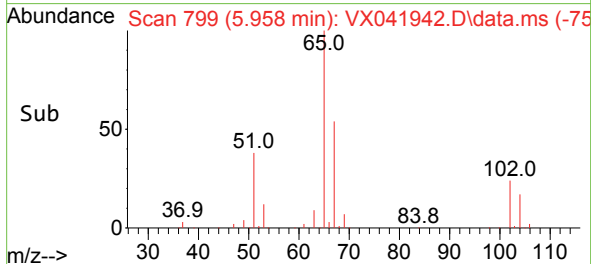
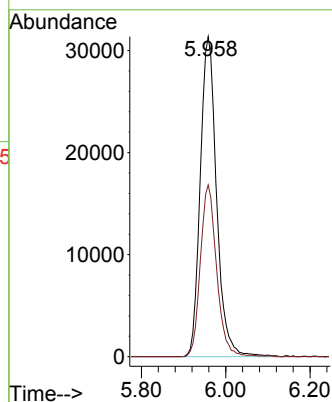
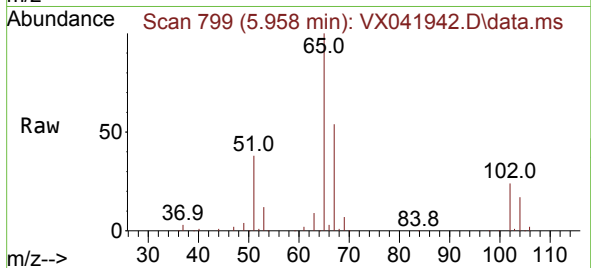
ClientSampleId :

Tgt Ion: 65 Resp: 84604

Ion Ratio Lower Upper

65 100

67 53.3 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: VX041942.D

Acq: 19 Jun 2024 12:44

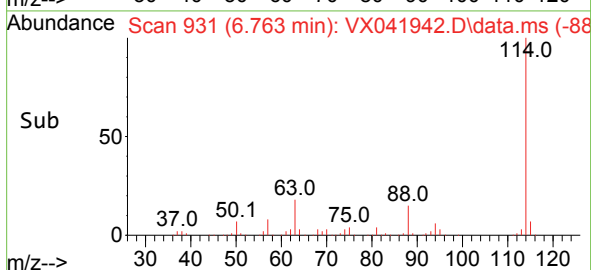
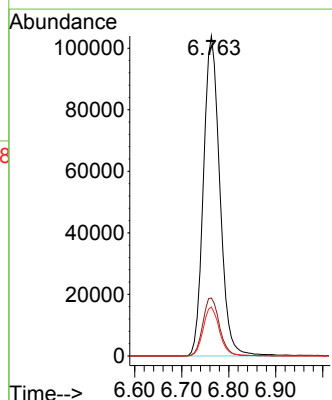
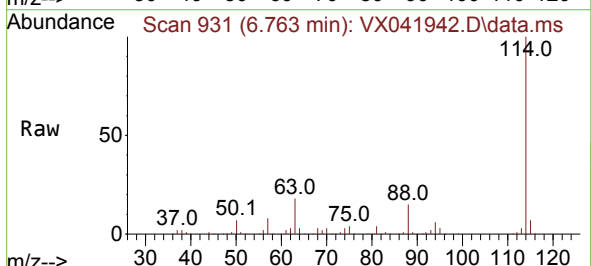
Tgt Ion: 114 Resp: 251454

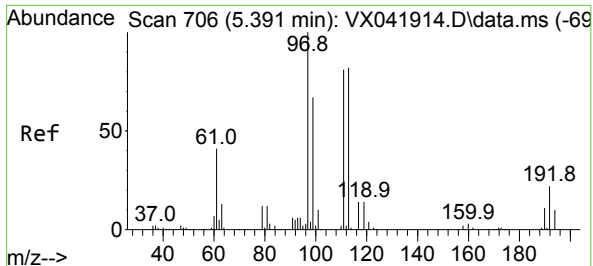
Ion Ratio Lower Upper

114 100

63 18.1 0.0 45.0

88 15.3 0.0 36.6

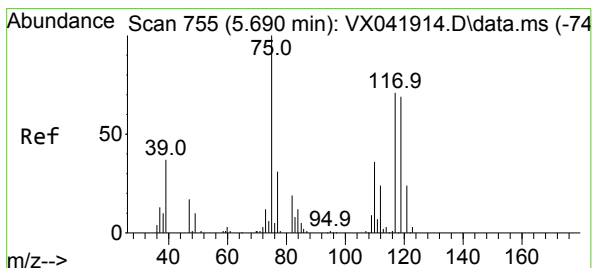
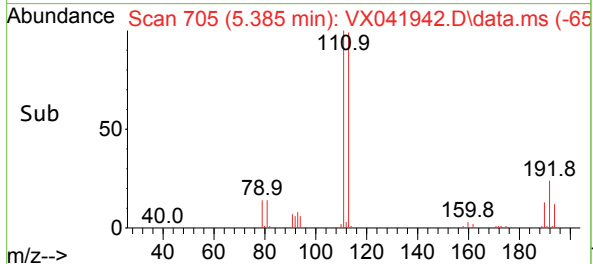
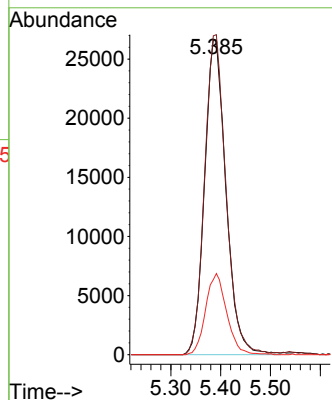
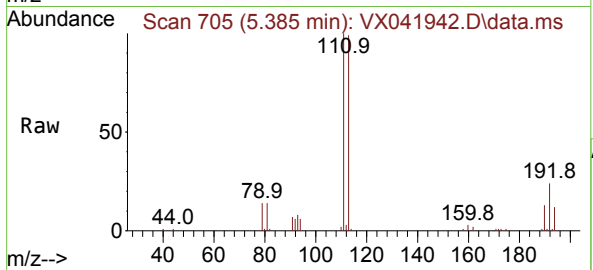




#35
Dibromofluoromethane
Concen: 44.598 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

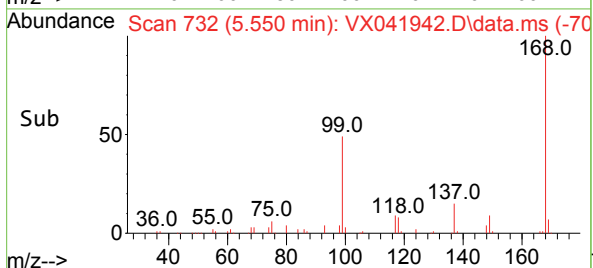
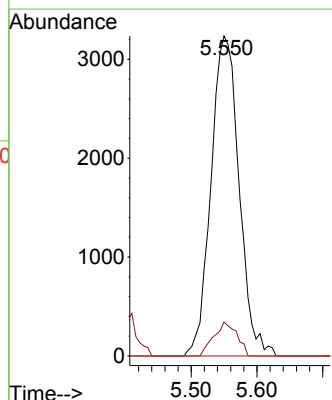
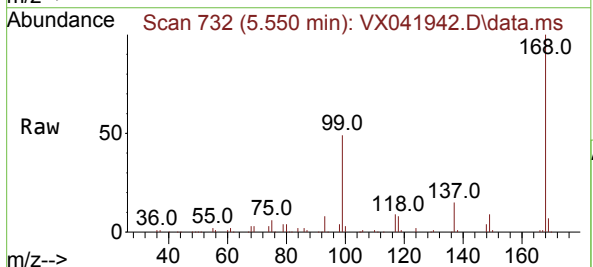
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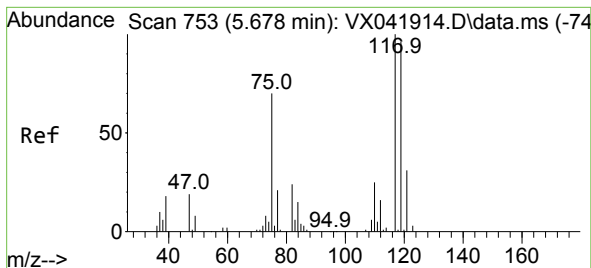
Tgt Ion:113 Resp: 79572
Ion Ratio Lower Upper
113 100
111 101.1 82.9 124.3
192 25.3 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX041942.D
Acq: 19 Jun 2024 12:44

Tgt Ion: 75 Resp: 9618
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.753 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

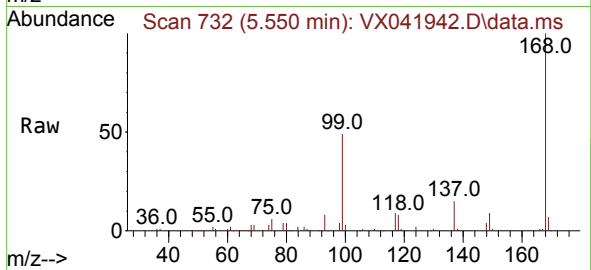
Lab File: VX041942.D

Acq: 19 Jun 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :



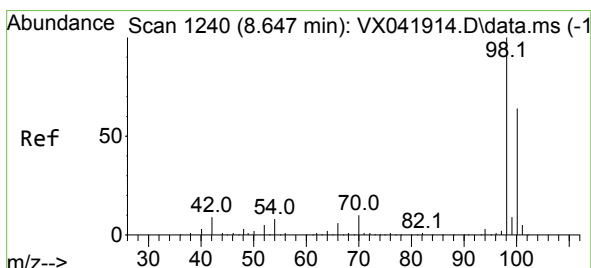
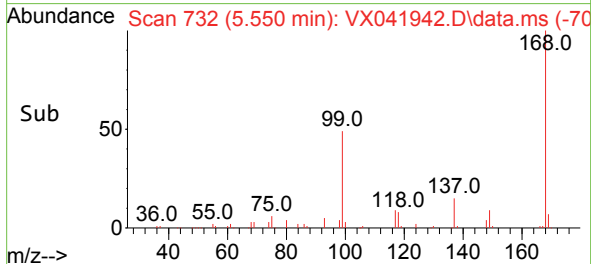
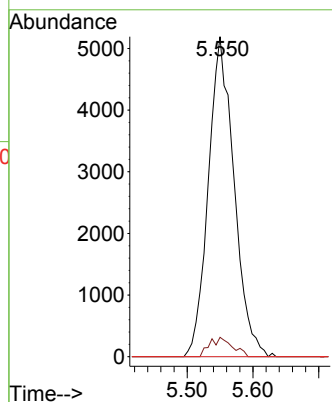
Tgt Ion:117 Resp: 14137

Ion Ratio Lower Upper

117 100

119 6.0 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 47.465 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX041942.D

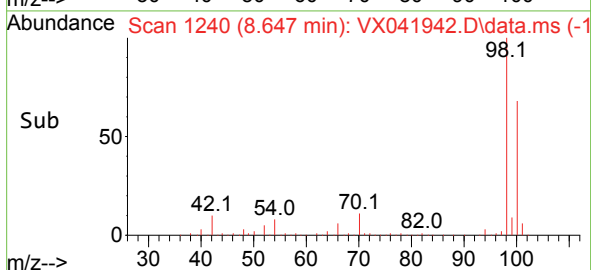
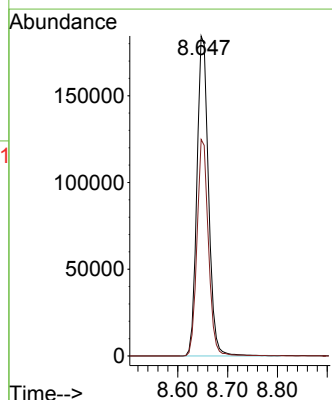
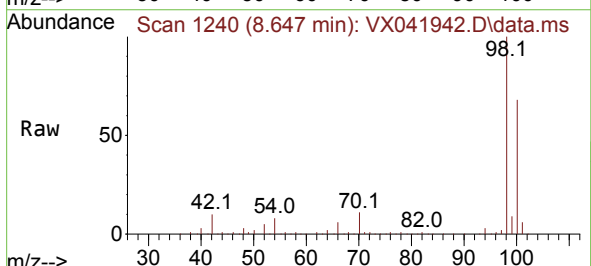
Acq: 19 Jun 2024 12:44

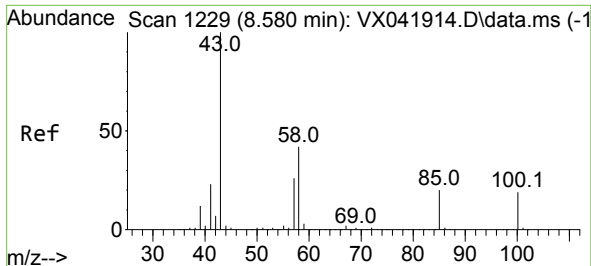
Tgt Ion: 98 Resp: 297511

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.445 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.067 min

Lab File: VX041942.D

Acq: 19 Jun 2024 12:44

Instrument :

MSVOA_X

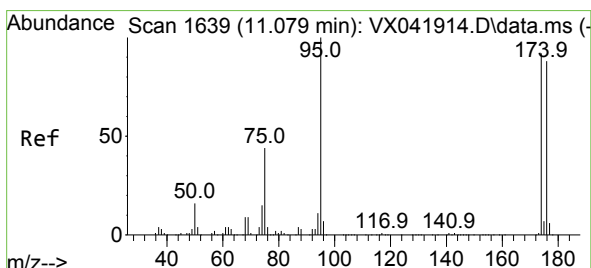
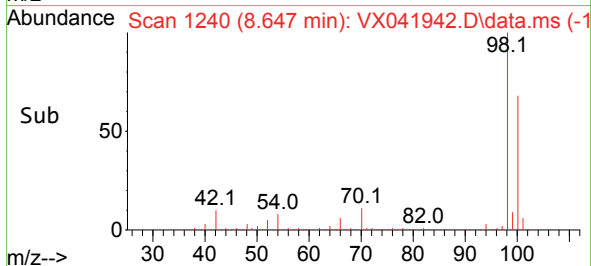
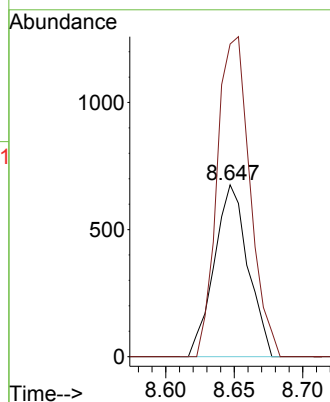
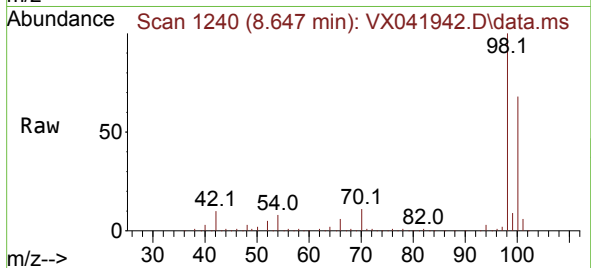
ClientSampleId :

Tgt Ion: 43 Resp: 1161

Ion Ratio Lower Upper

43 100

58 180.6 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 47.537 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041942.D

Acq: 19 Jun 2024 12:44

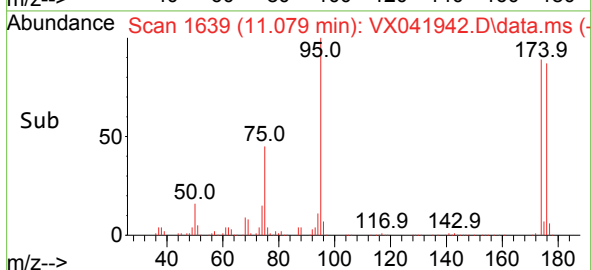
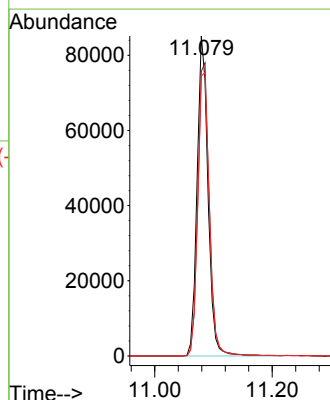
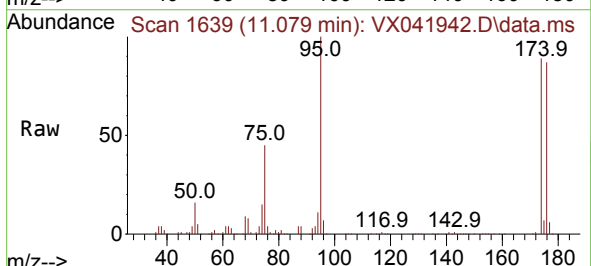
Tgt Ion: 95 Resp: 109836

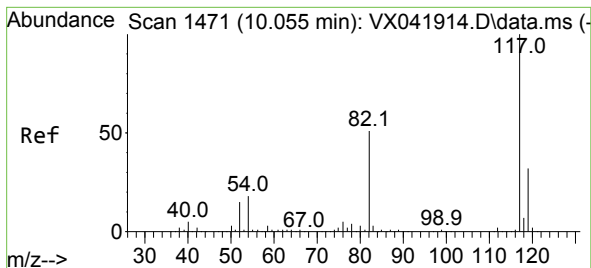
Ion Ratio Lower Upper

95 100

174 96.3 0.0 135.6

176 93.9 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: VX041942.D

Acq: 19 Jun 2024 12:44

Instrument :

MSVOA_X

ClientSampleId :

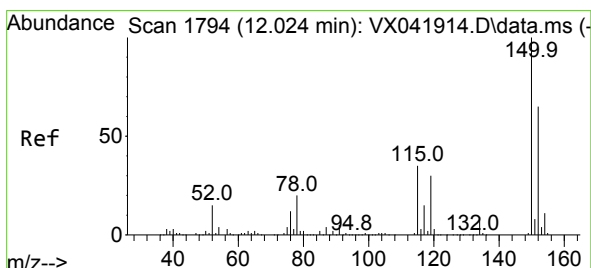
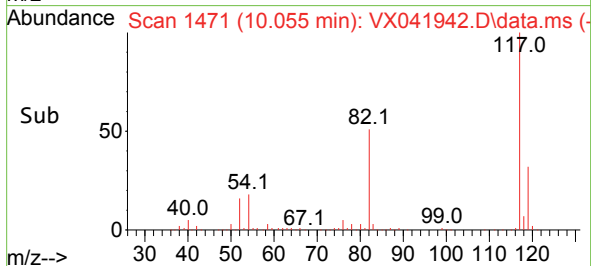
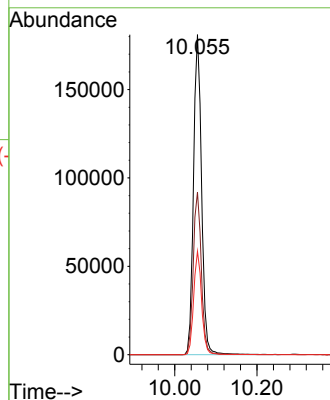
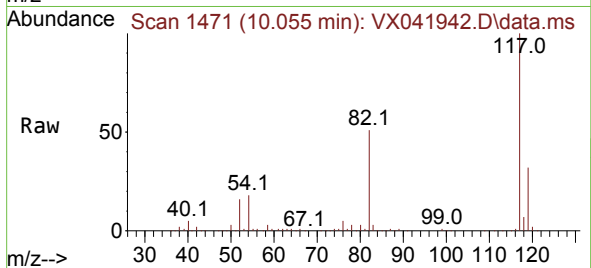
Tgt Ion:117 Resp: 246914

Ion Ratio Lower Upper

117 100

82 50.8 46.2 69.4

119 32.3 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: VX041942.D

Acq: 19 Jun 2024 12:44

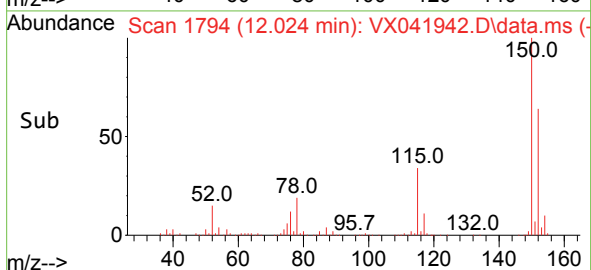
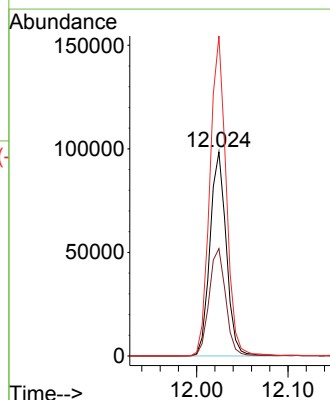
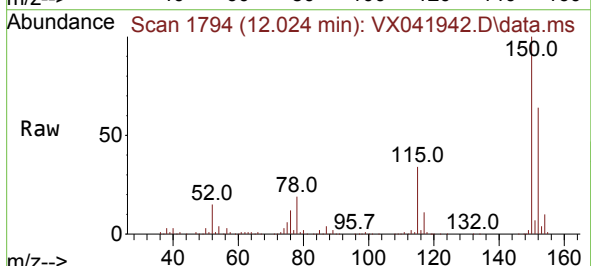
Tgt Ion:152 Resp: 121939

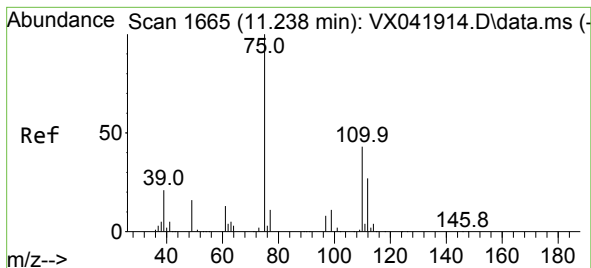
Ion Ratio Lower Upper

152 100

115 53.8 43.3 129.9

150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.538 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX041942.D

Acq: 19 Jun 2024 12:44

Instrument :

MSVOA_X

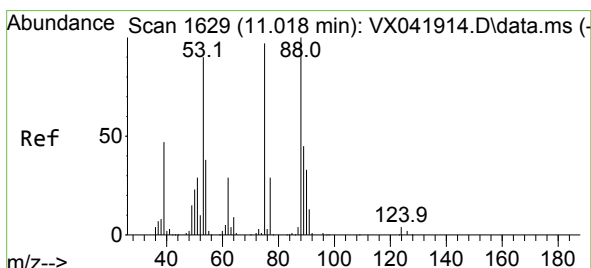
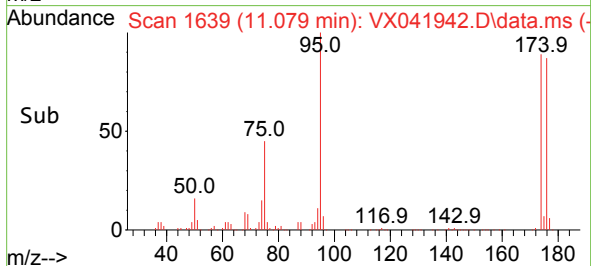
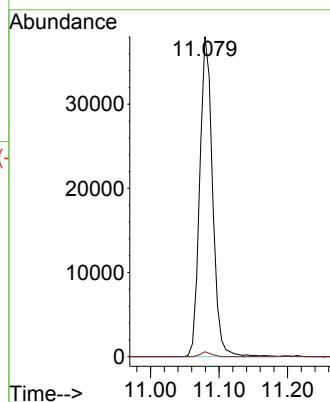
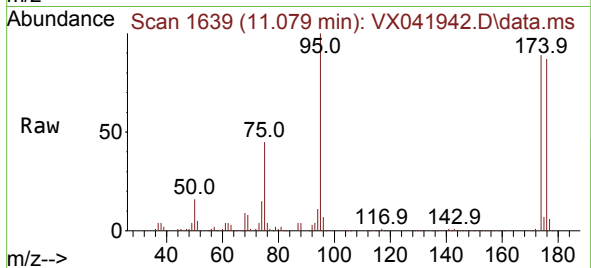
ClientSampleId :

Tgt Ion: 75 Resp: 49892

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.006 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041942.D

Acq: 19 Jun 2024 12:44

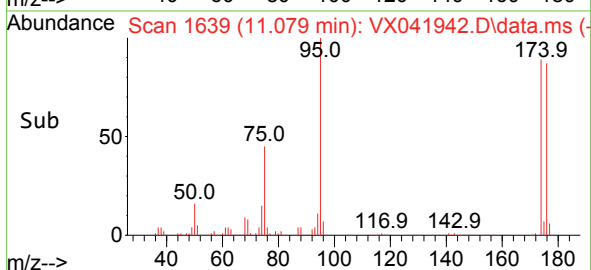
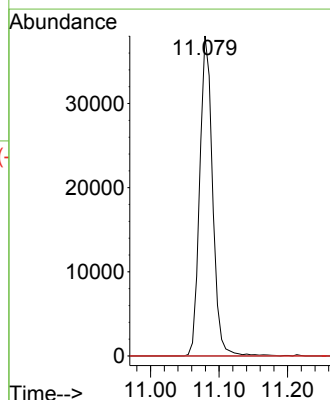
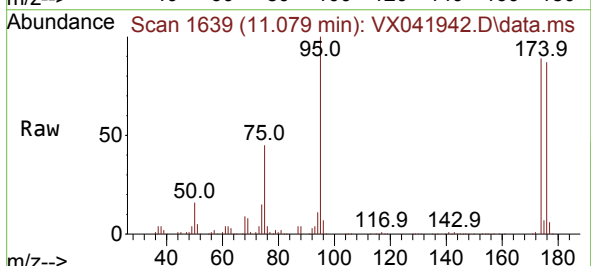
Tgt Ion: 75 Resp: 49892

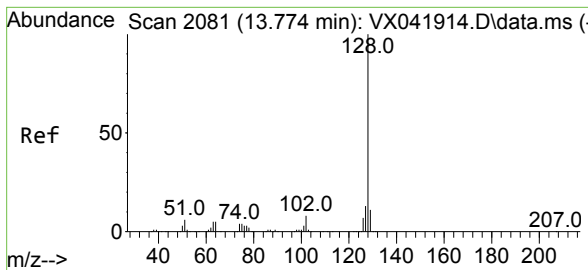
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

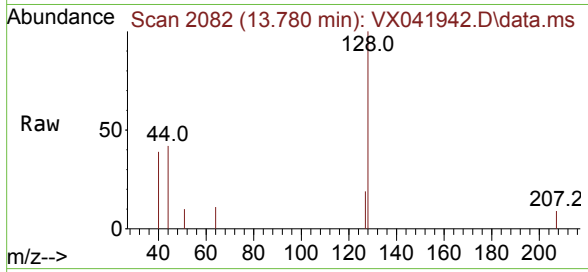
89 0.0 36.9 55.3#





#95
 Naphthalene
 Concen: 0.862 ug/l
 RT: 13.780 min Scan# 2081
 Delta R.T. 0.006 min
 Lab File: VX041942.D
 Acq: 19 Jun 2024 12:44

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	128	Resp:	1017
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.3	15.5
129	0.0	8.8	13.2#

