

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041824\
 Data File : VX041162.D
 Acq On : 18 Apr 2024 14:30
 Operator : JC/MD
 Sample : P2151-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 19 03:32:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 02:04:44 2024
 Response via : Initial Calibration

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

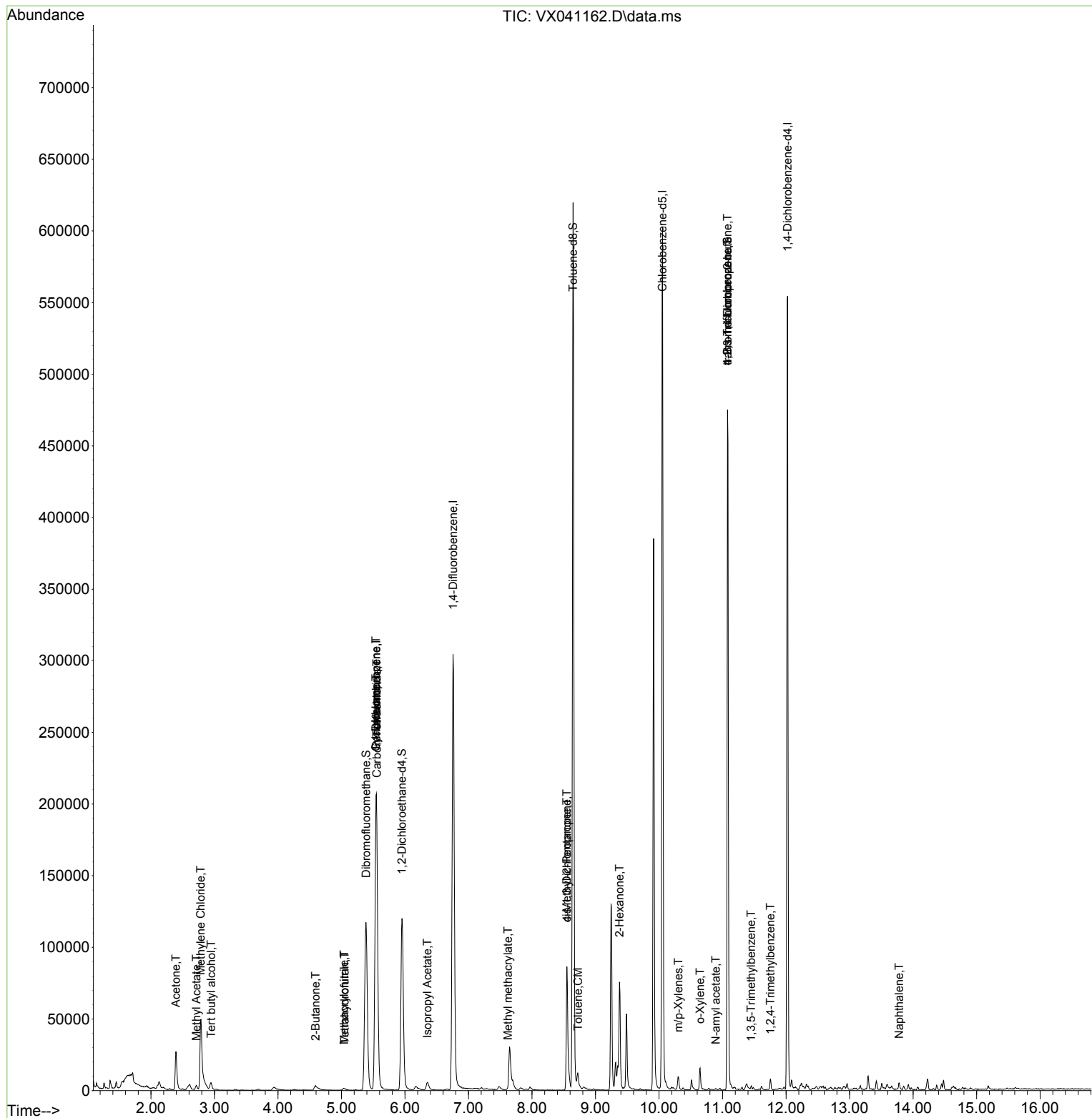
Internal Standards						
1) Pentafluorobenzene	5.550	168	232772	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	339142	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	296201	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	132521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	120709	48.032	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.060%		
35) Dibromofluoromethane	5.385	113	104637	46.187	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.380%		
50) Toluene-d8	8.647	98	382943	48.257	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.520%		
62) 4-Bromofluorobenzene	11.079	95	122877	40.790	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.580%#		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.947	59	3268	6.647	ug/l	# 78
16) Acetone	2.392	43	32619	30.880	ug/l	94
18) Methyl Acetate	2.715	43	4238	1.607	ug/l	100
20) Methylene Chloride	2.782	84	33523	14.873	ug/l	# 89
25) 2-Butanone	4.593	43	7281	4.387	ug/l	# 76
29) Tetrahydrofuran	5.050	42	1206	1.098	ug/l	95
31) Cyclohexane	5.544	56	3392	1.090	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	13791	4.808	ug/l	# 50
38) Carbon Tetrachloride	5.556	117	19747	5.938	ug/l	# 15
41) Methacrylonitrile	5.044	41	822	0.458	ug/l	# 34
43) Isopropyl Acetate	6.355	43	7945	1.562	ug/l	95
48) Methyl methacrylate	7.623	41	3066	1.235	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.549	43	35601	10.303	ug/l	# 46
52) Toluene	8.726	92	3295	0.577	ug/l	95
54) cis-1,3-Dichloropropene	8.549	75	15036	4.485	ug/l	# 59
59) 2-Hexanone	9.378	43	57295	21.435	ug/l	# 26
68) m/p-Xylenes	10.305	106	2429	0.599	ug/l	90
69) o-Xylene	10.646	106	926	0.234	ug/l	99
74) N-amyl acetate	10.896	43	1128	0.364	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	59256	27.438	ug/l	# 38
80) 1,3,5-Trimethylbenzene	11.451	105	1414	0.217	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	59256	69.877	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	3681	0.566	ug/l	94
95) Naphthalene	13.780	128	3749	0.430	ug/l	100

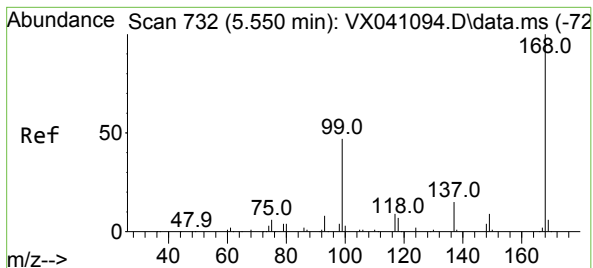
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 02:04:44 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

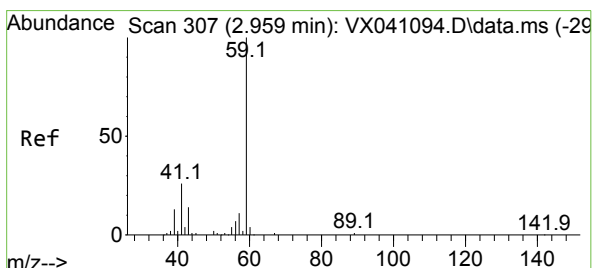
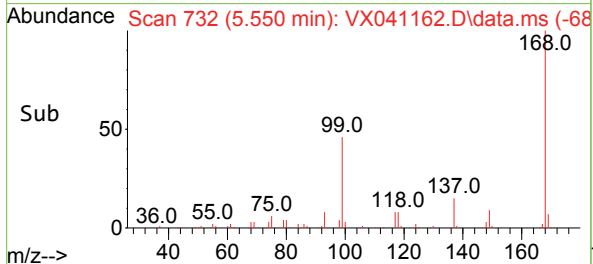
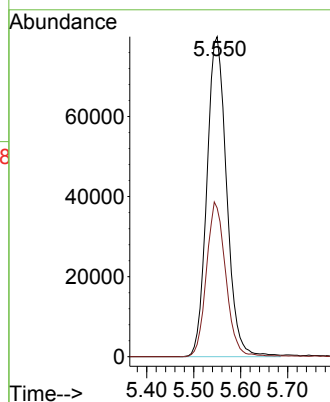
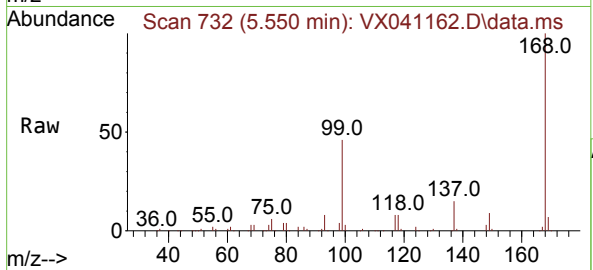
ClientSampleId :

Tgt Ion:168 Resp: 232772

Ion Ratio Lower Upper

168 100

99 46.5 56.6 85.0#



#11

Tert butyl alcohol

Concen: 6.647 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX041162.D

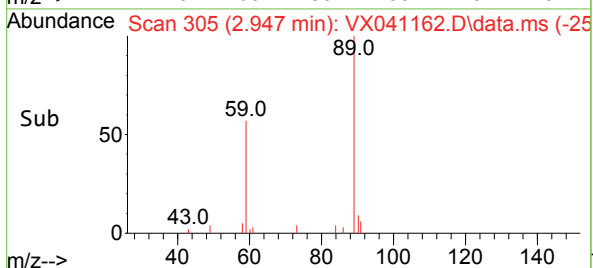
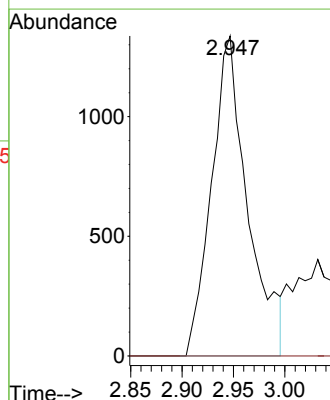
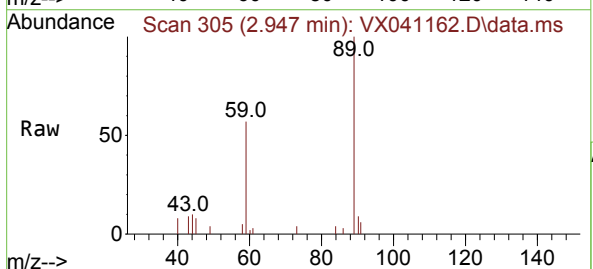
Acq: 18 Apr 2024 14:30

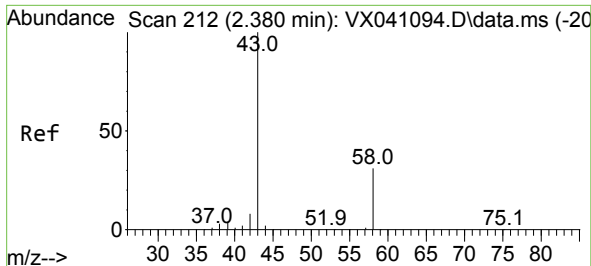
Tgt Ion: 59 Resp: 3268

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

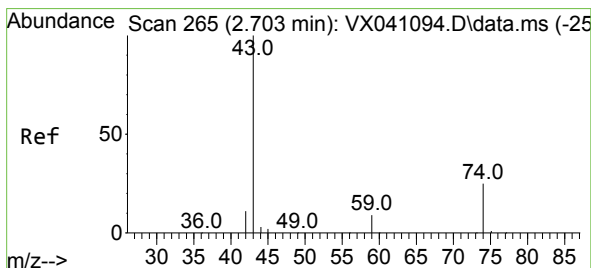
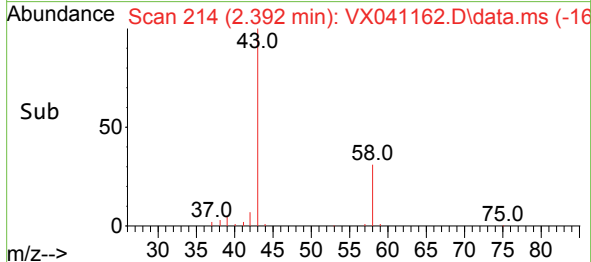
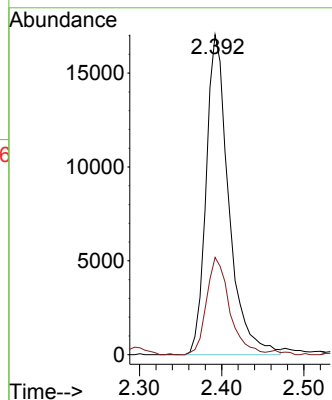
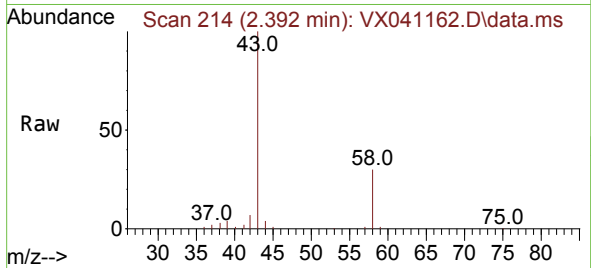




#16
Acetone
Concen: 30.880 ug/l
RT: 2.392 min Scan# 212
Delta R.T. 0.012 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

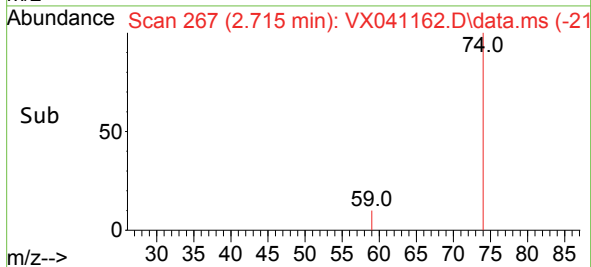
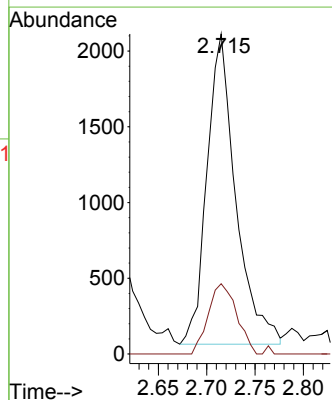
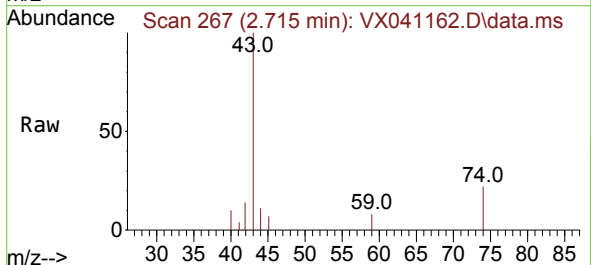
Instrument :
MSVOA_X
ClientSampleId :

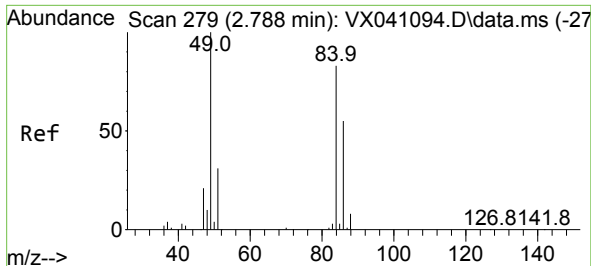
Tgt Ion: 43 Resp: 32619
Ion Ratio Lower Upper
43 100
58 30.4 21.9 32.9



#18
Methyl Acetate
Concen: 1.607 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

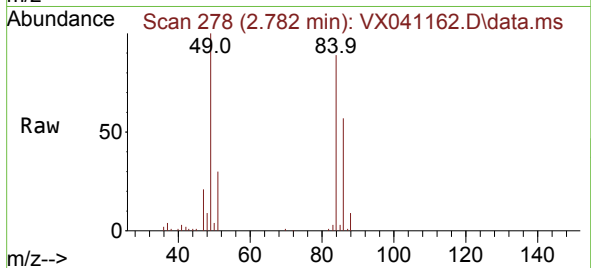
Tgt Ion: 43 Resp: 4238
Ion Ratio Lower Upper
43 100
74 22.3 17.8 26.8



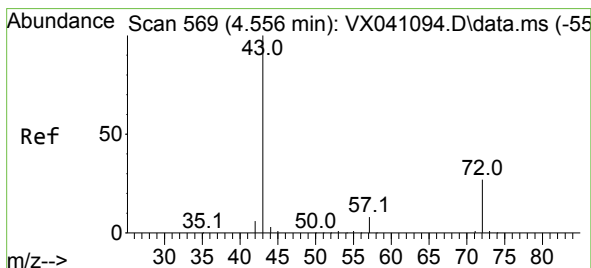
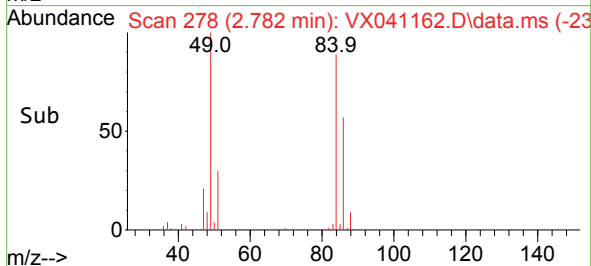
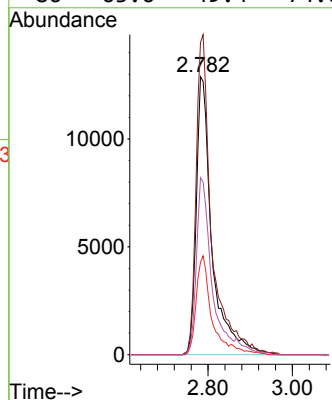


#20
Methylene Chloride
Concen: 14.873 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :

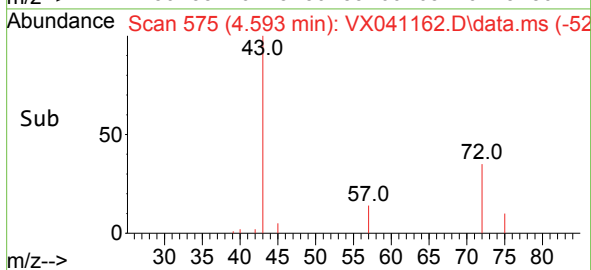
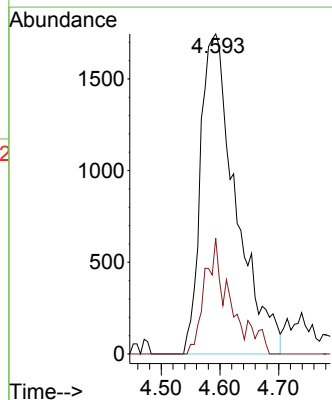
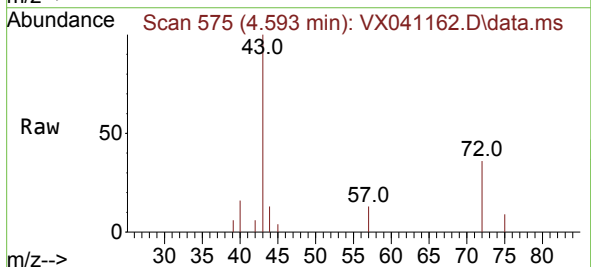


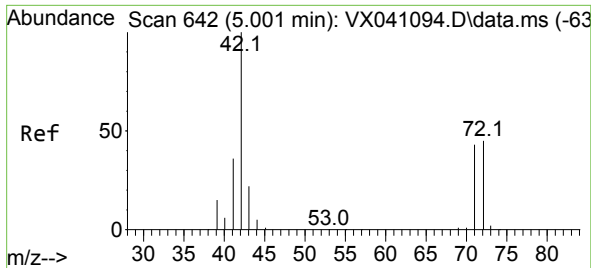
Tgt Ion:	84	Resp:	33523
Ion	Ratio	Lower	Upper
84	100		
49	112.4	103.6	155.4
51	33.3	33.8	50.6#
86	63.6	49.4	74.0



#25
2-Butanone
Concen: 4.387 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Tgt Ion:	43	Resp:	7281
Ion	Ratio	Lower	Upper
43	100		
72	36.3	19.4	29.2#





#29

Tetrahydrofuran

Concen: 1.098 ug/l

RT: 5.050 min Scan# 61

Delta R.T. 0.049 min

Lab File: VX041162.D

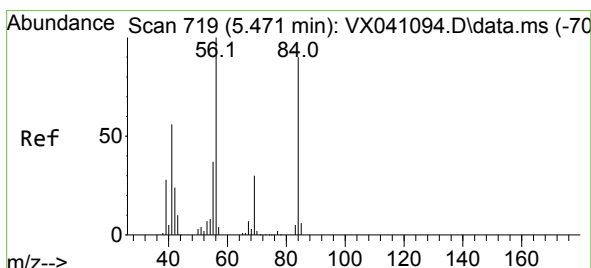
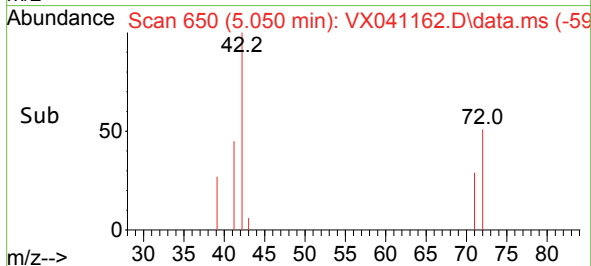
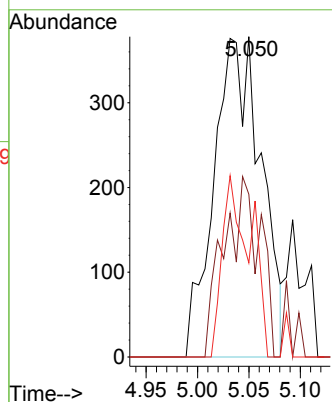
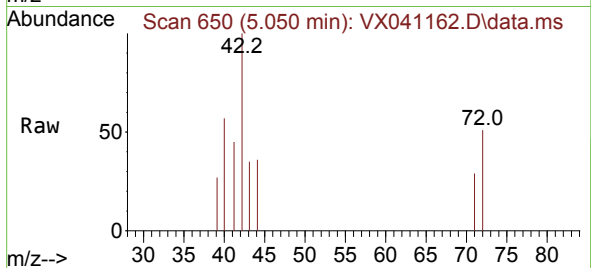
Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	1206
Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.2	51.4
71	33.8	32.2	48.2



#31

Cyclohexane

Concen: 1.090 ug/l

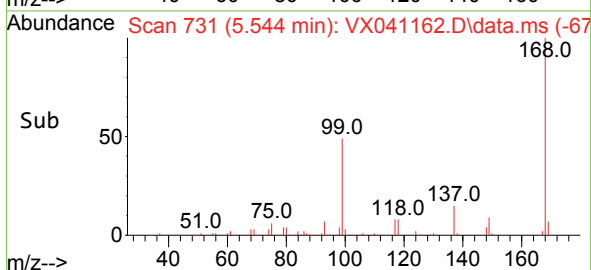
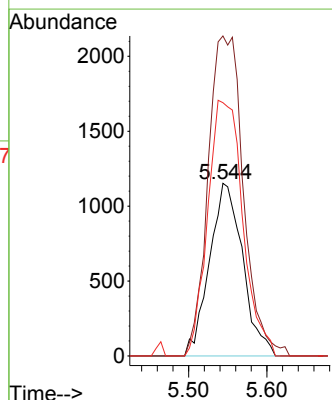
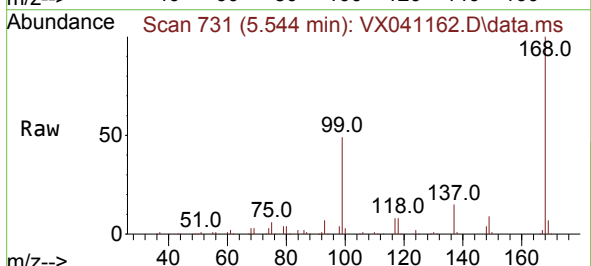
RT: 5.544 min Scan# 731

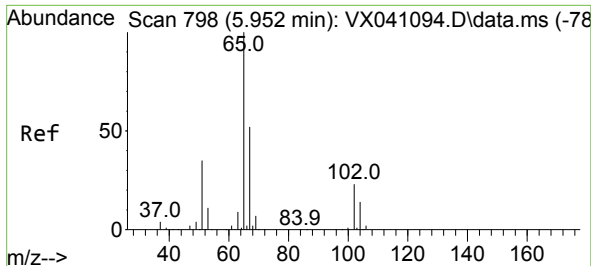
Delta R.T. 0.073 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Tgt Ion:	56	Resp:	3392
Ion	Ratio	Lower	Upper
56	100		
69	185.4	23.4	35.2#
84	146.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.032 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

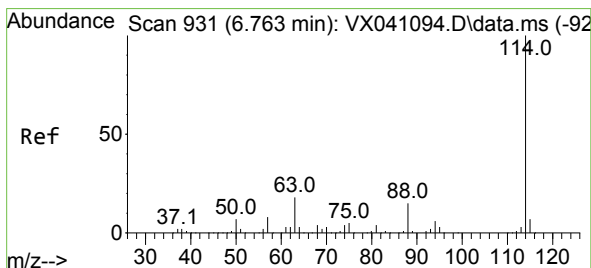
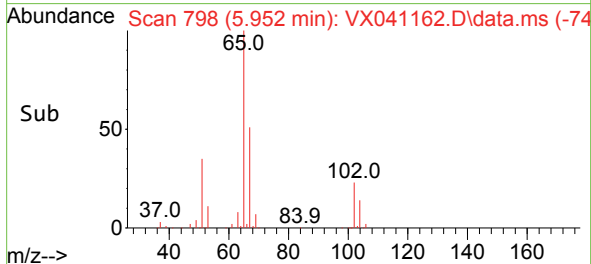
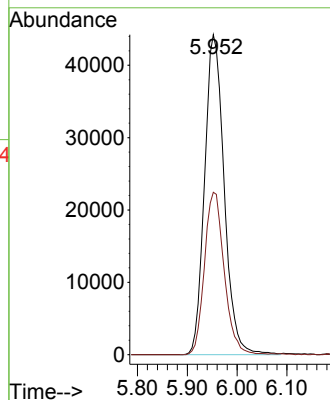
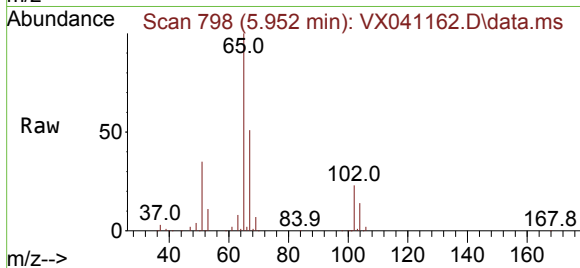
ClientSampleId :

Tgt Ion: 65 Resp: 120709

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

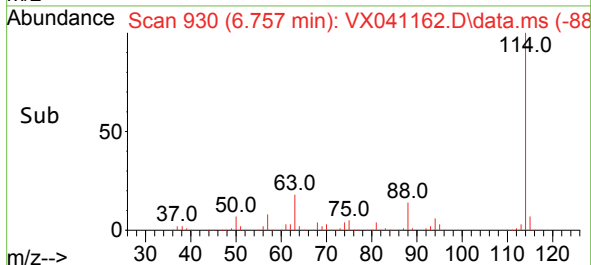
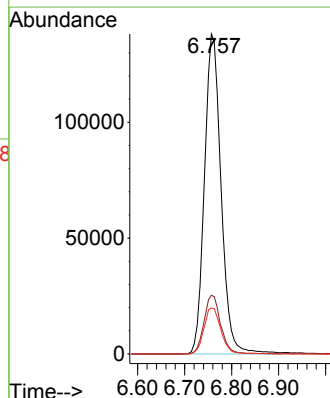
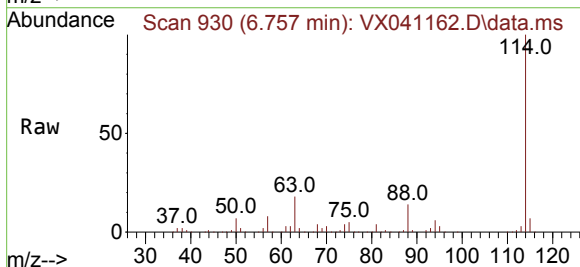
Tgt Ion: 114 Resp: 339142

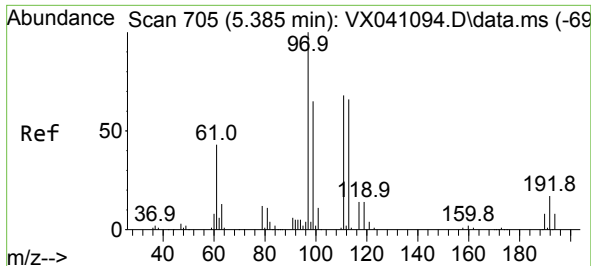
Ion Ratio Lower Upper

114 100

63 18.4 0.0 45.0

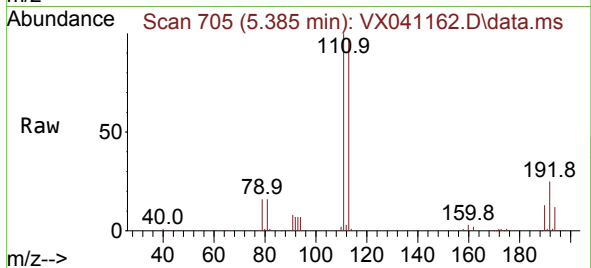
88 14.3 0.0 36.6



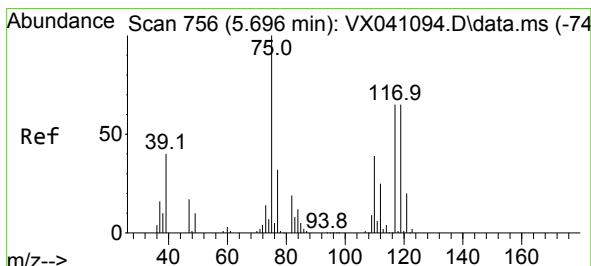
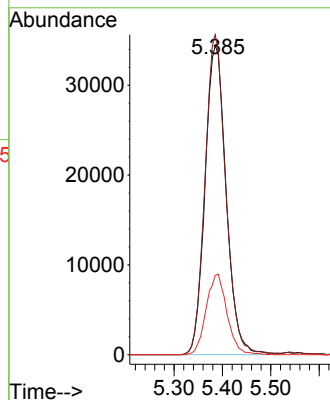
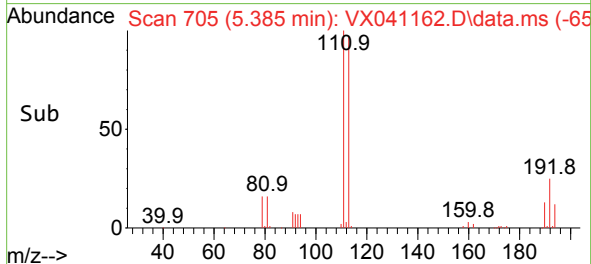


#35
Dibromofluoromethane
Concen: 46.187 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :

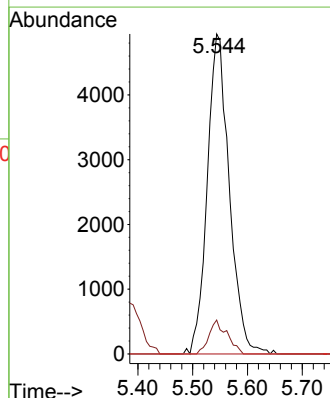
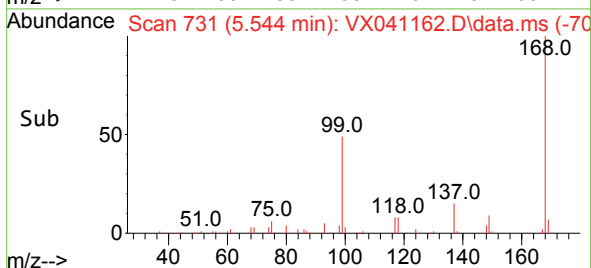
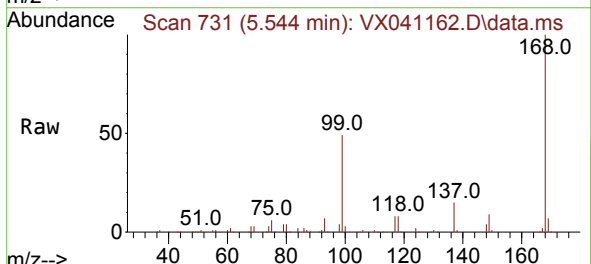


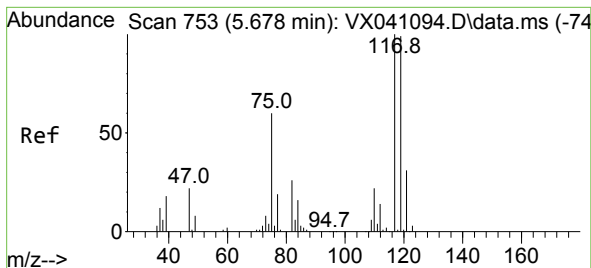
Tgt Ion:113 Resp: 104637
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 25.6 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.808 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.152 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Tgt Ion: 75 Resp: 13791
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

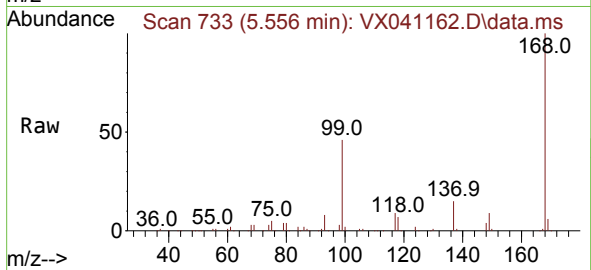
Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

ClientSampleId :



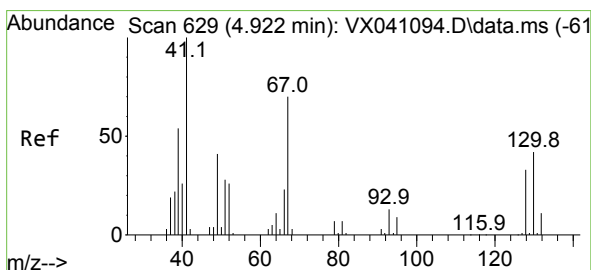
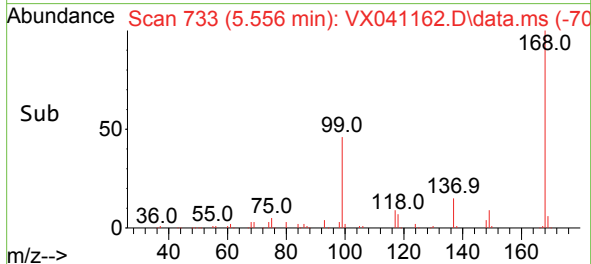
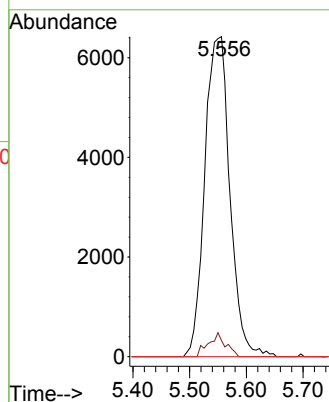
Tgt Ion:117 Resp: 19747

Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

121 0.0 24.4 36.6#



#41

Methacrylonitrile

Concen: 0.458 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.122 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Tgt Ion: 41 Resp: 822

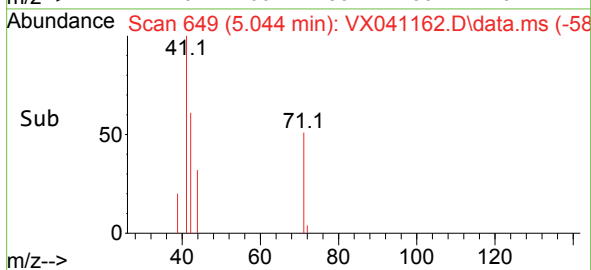
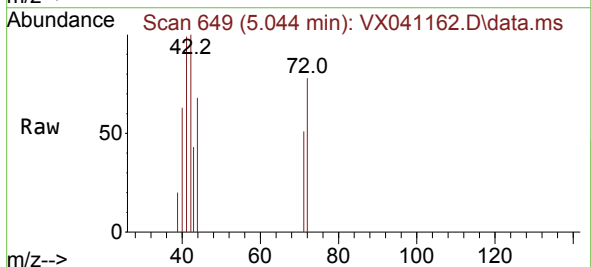
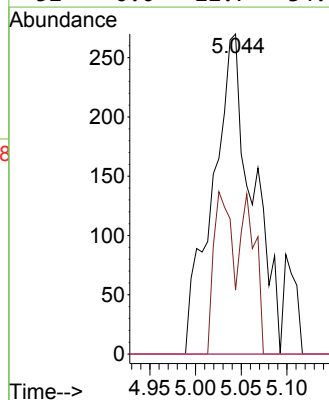
Ion Ratio Lower Upper

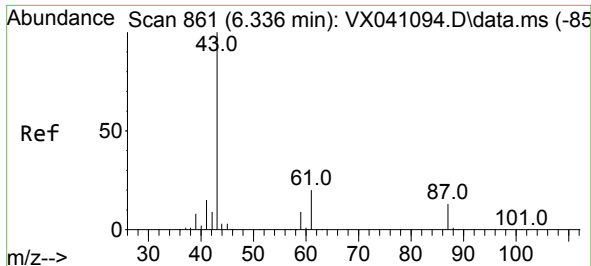
41 100

39 18.9 45.2 67.8#

67 0.0 52.6 78.8#

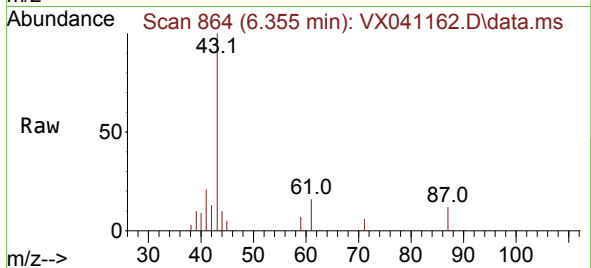
52 0.0 22.7 34.1#



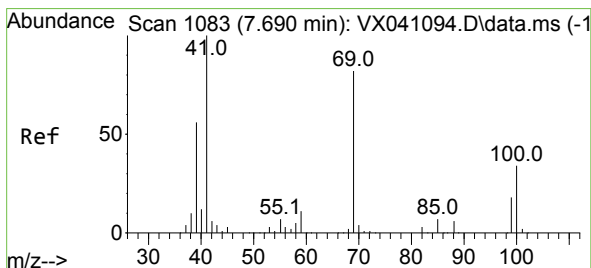
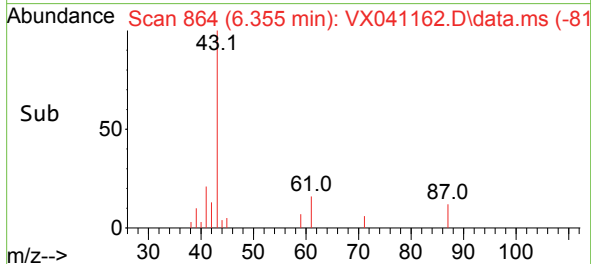
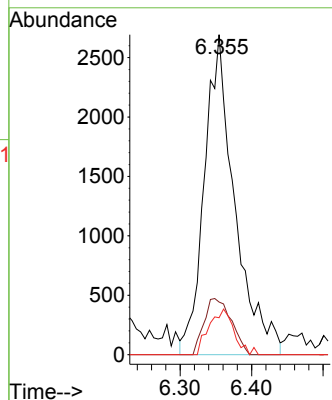


#43
Isopropyl Acetate
Concen: 1.562 ug/l
RT: 6.355 min Scan# 80
Delta R.T. 0.018 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Instrument :
MSVOA_X
ClientSampleId :

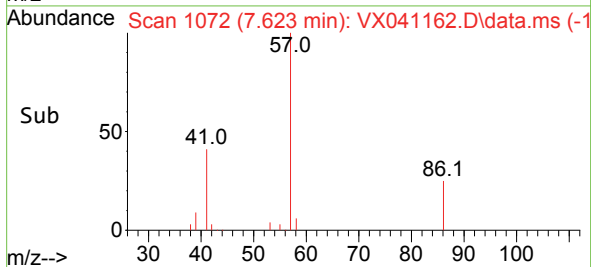
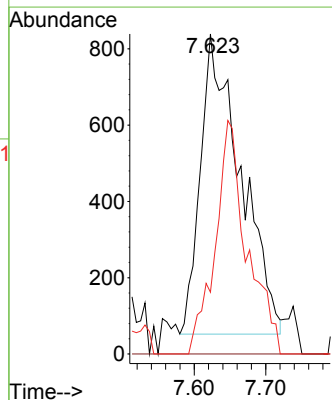
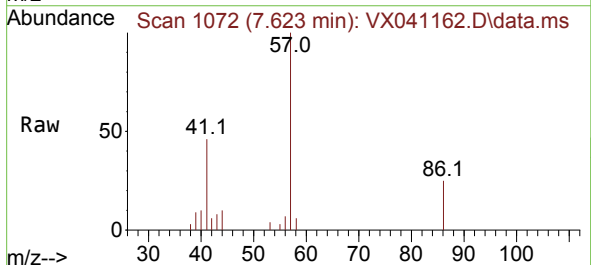


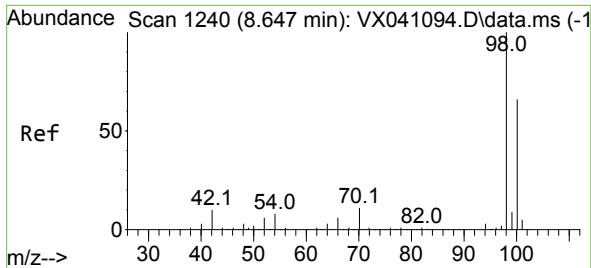
Tgt Ion: 43 Resp: 7945
Ion Ratio Lower Upper
43 100
61 15.8 15.2 22.8
87 11.6 9.8 14.6



#48
Methyl methacrylate
Concen: 1.235 ug/l
RT: 7.623 min Scan# 1072
Delta R.T. -0.067 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Tgt Ion: 41 Resp: 3066
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 0.0 47.7 71.5#

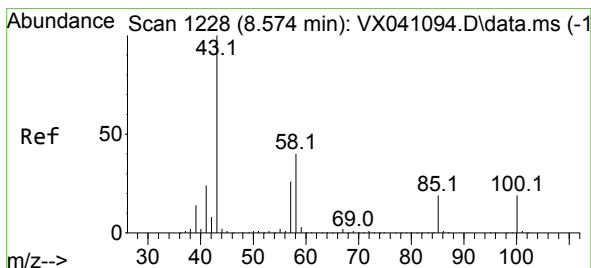
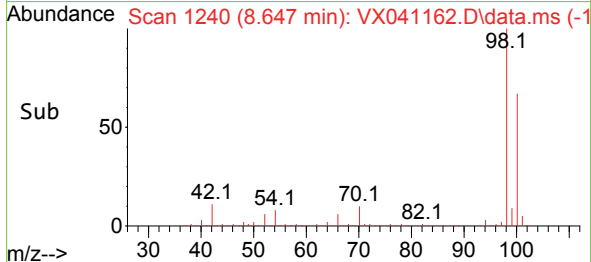
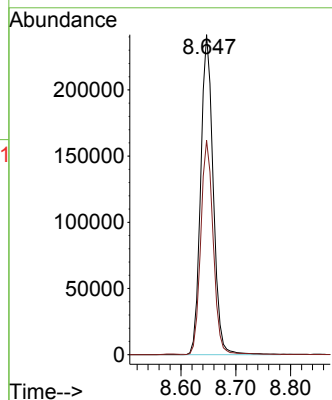
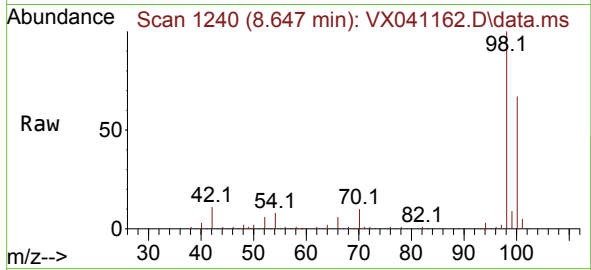




#50
Toluene-d8
Concen: 48.257 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

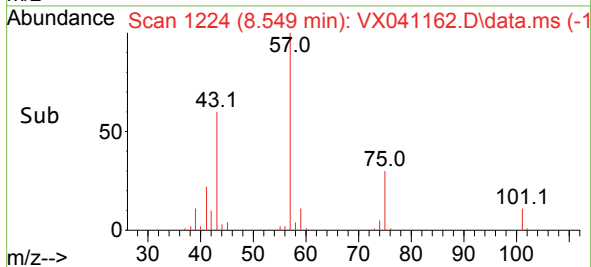
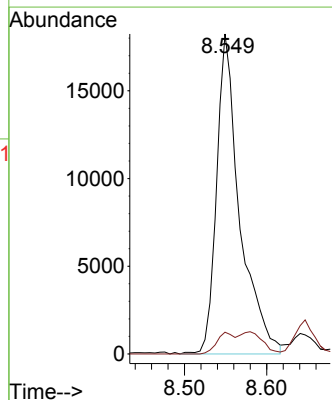
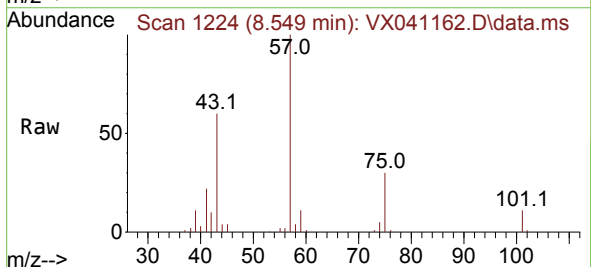
Instrument :
MSVOA_X
ClientSampleId :

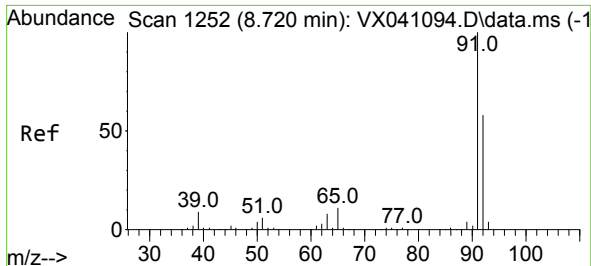
Tgt Ion: 98 Resp: 382943
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 10.303 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Tgt Ion: 43 Resp: 35601
Ion Ratio Lower Upper
43 100
58 5.2 30.4 45.6#

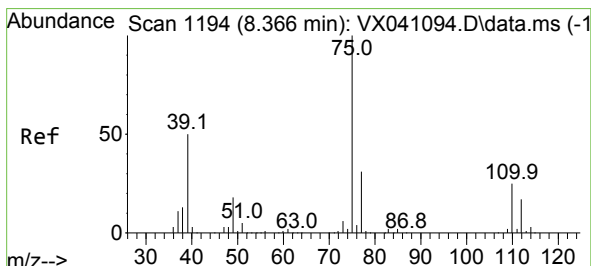
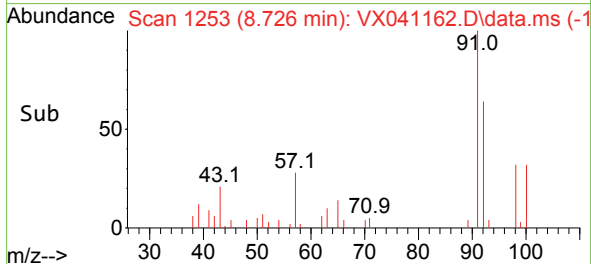
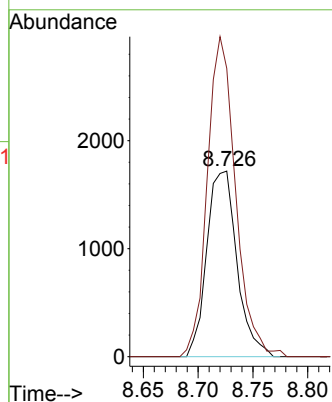
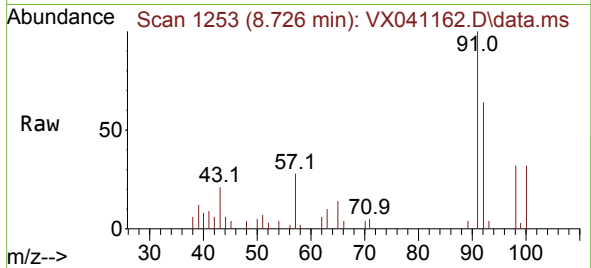




#52
Toluene
Concen: 0.577 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

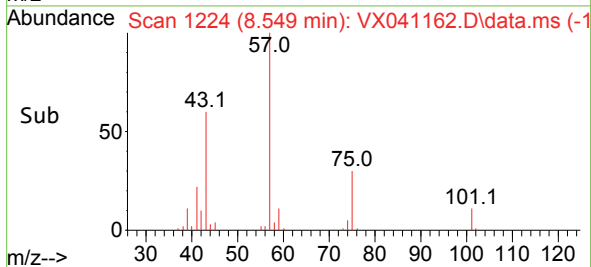
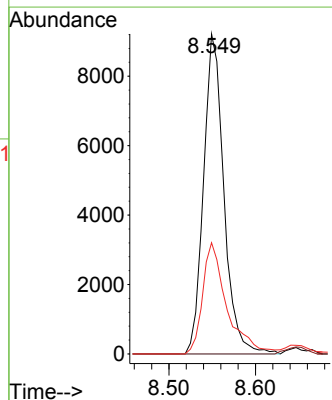
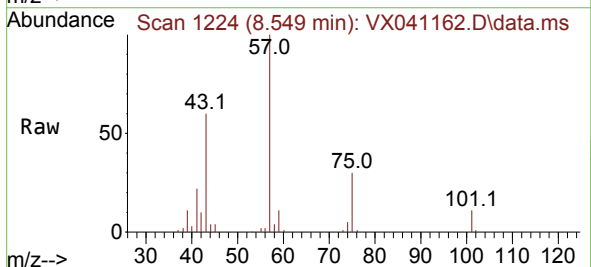
Instrument :
MSVOA_X
ClientSampleId :

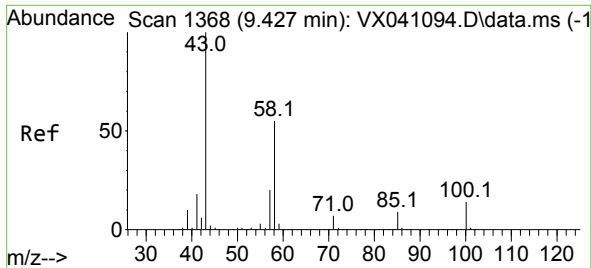
Tgt Ion: 92 Resp: 3295
Ion Ratio Lower Upper
92 100
91 161.4 134.2 201.2



#54
cis-1,3-Dichloropropene
Concen: 4.485 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Tgt Ion: 75 Resp: 15036
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 34.8 46.7 70.1#

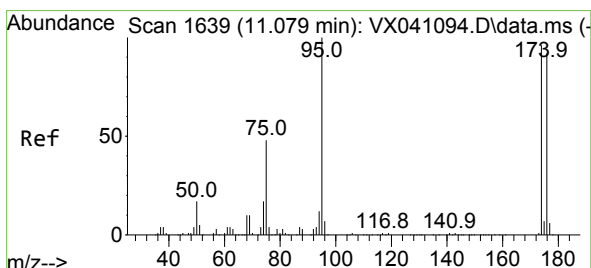
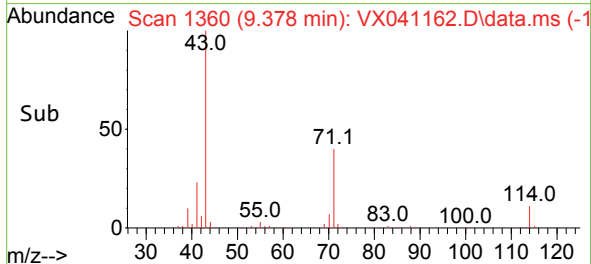
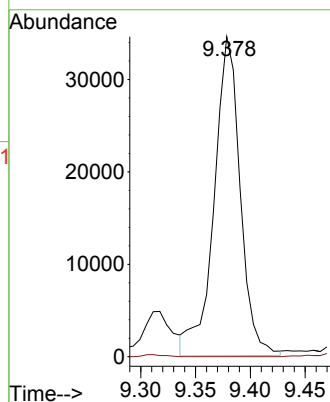
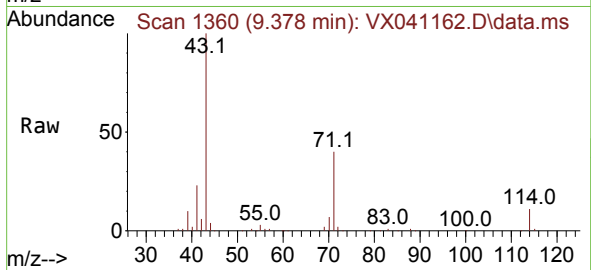




#59
2-Hexanone
Concen: 21.435 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

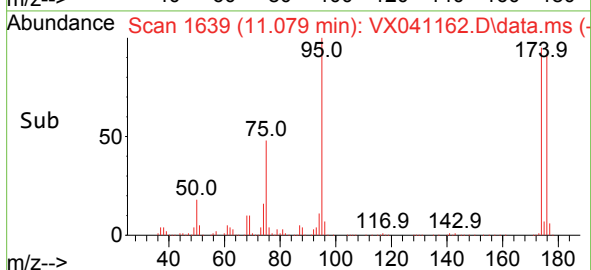
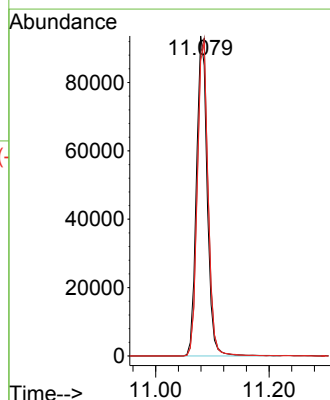
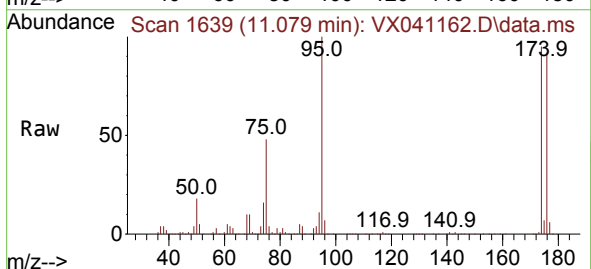
Instrument :
MSVOA_X
ClientSampleId :

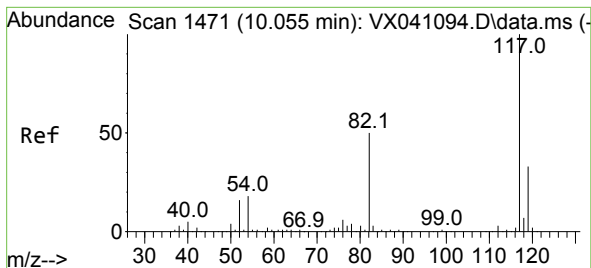
Tgt Ion: 43 Resp: 57295
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 40.790 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041162.D
Acq: 18 Apr 2024 14:30

Tgt Ion: 95 Resp: 122877
Ion Ratio Lower Upper
95 100
174 100.1 0.0 135.6
176 98.2 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: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

ClientSampleId :

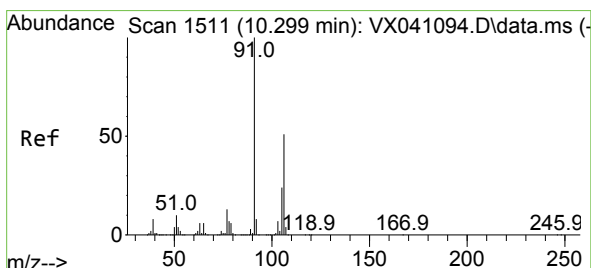
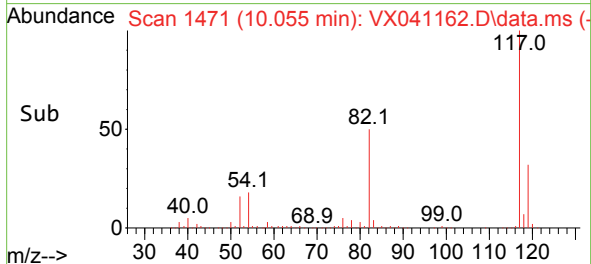
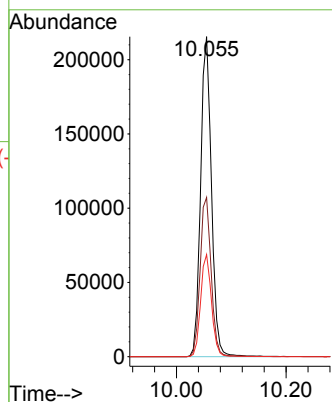
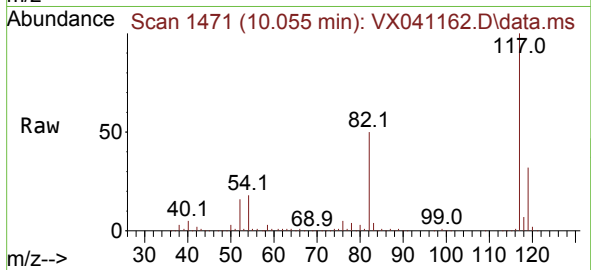
Tgt Ion:117 Resp: 296201

Ion Ratio Lower Upper

117 100

82 49.7 46.2 69.4

119 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 0.599 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX041162.D

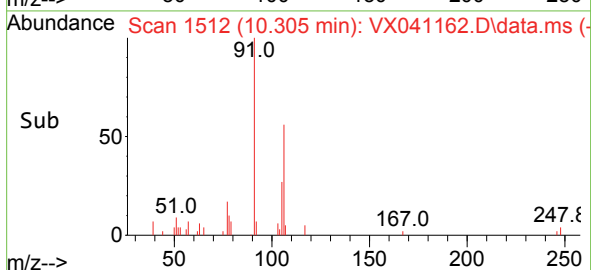
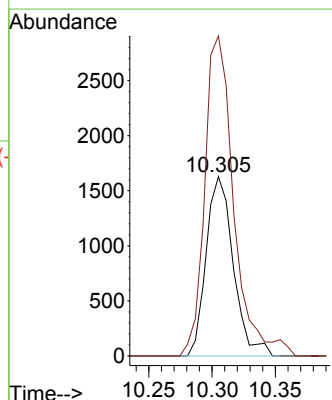
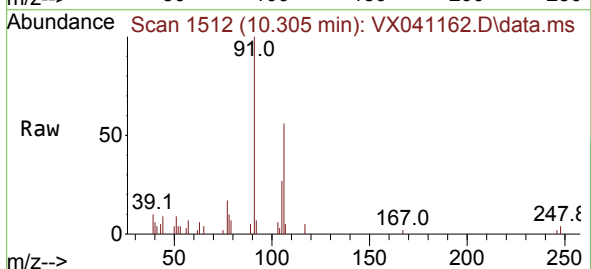
Acq: 18 Apr 2024 14:30

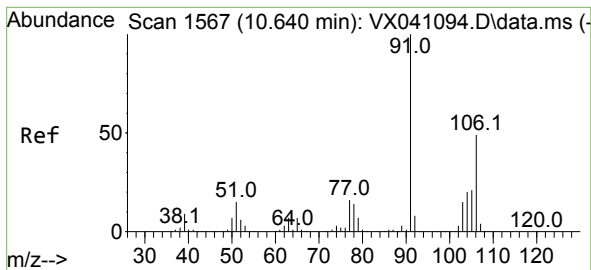
Tgt Ion:106 Resp: 2429

Ion Ratio Lower Upper

106 100

91 190.9 165.5 248.3





#69

o-Xylene

Concen: 0.234 ug/l

RT: 10.646 min Scan# 1568

Delta R.T. 0.006 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

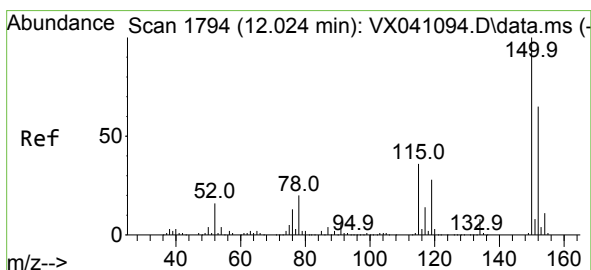
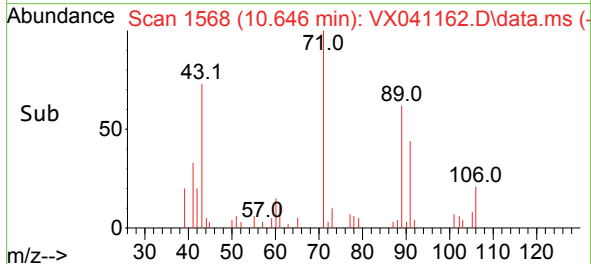
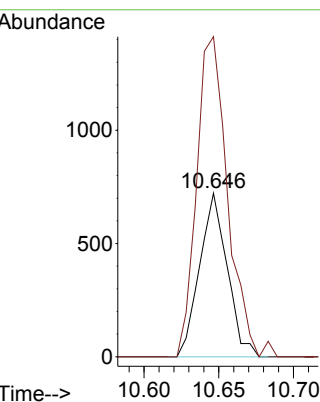
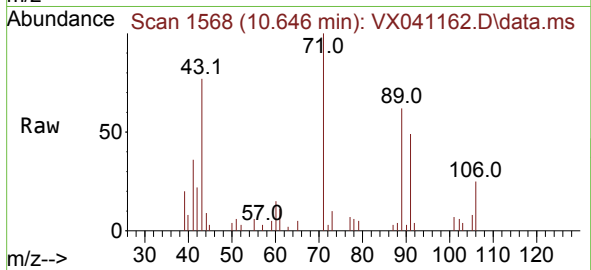
ClientSampleId :

Tgt Ion:106 Resp: 926

Ion Ratio Lower Upper

106 100

91 220.1 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

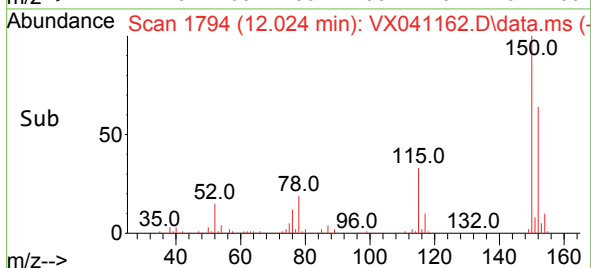
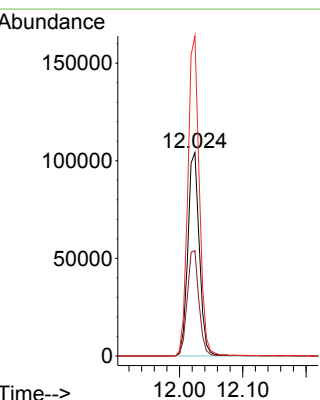
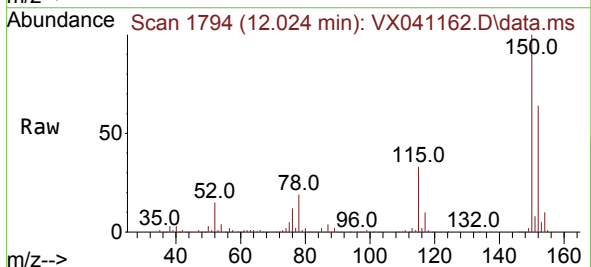
Tgt Ion:152 Resp: 132521

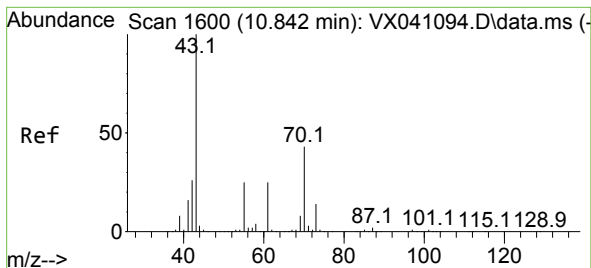
Ion Ratio Lower Upper

152 100

115 52.3 43.3 129.9

150 156.9 0.0 345.0





#74

N-amy1 acetate

Concen: 0.364 ug/l

RT: 10.896 min Scan# 1

Delta R.T. 0.055 min

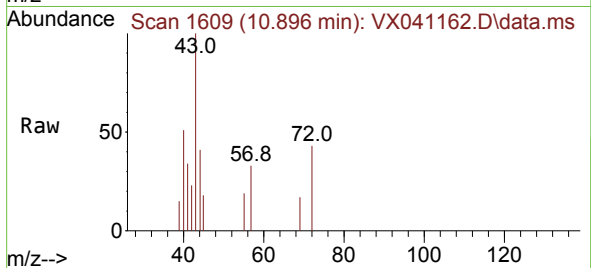
Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 1128

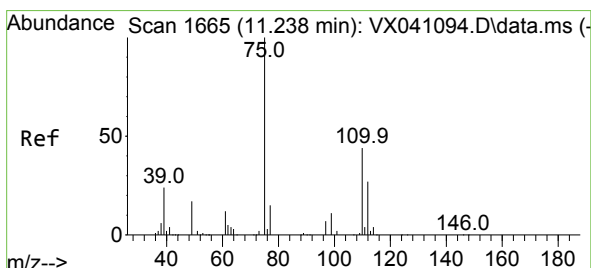
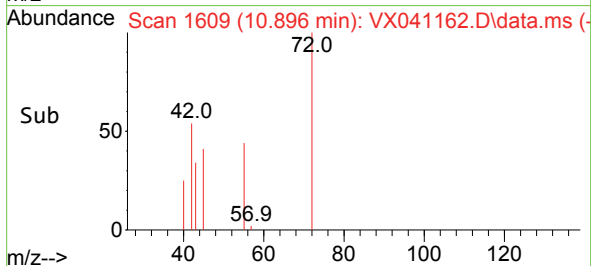
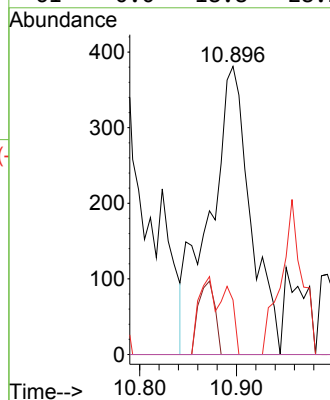
Ion Ratio Lower Upper

43 100

70 0.0 32.9 49.3#

55 0.0 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 27.438 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX041162.D

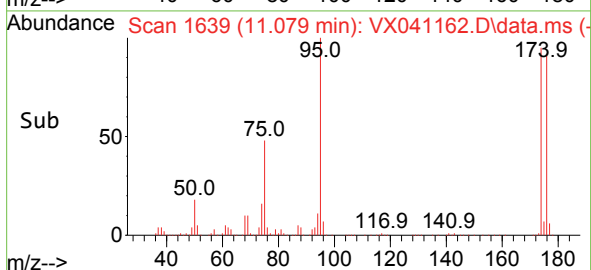
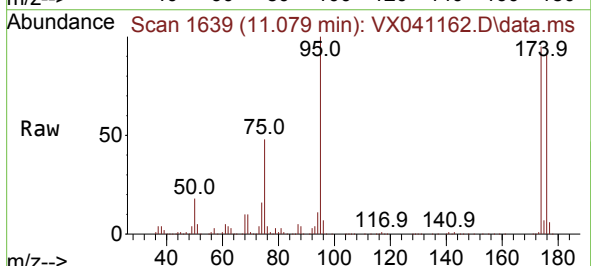
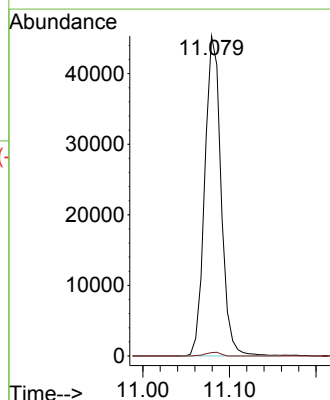
Acq: 18 Apr 2024 14:30

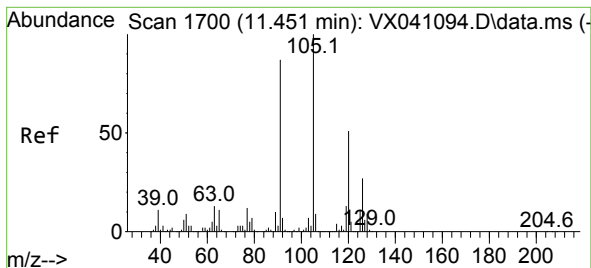
Tgt Ion: 75 Resp: 59256

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.217 ug/l

RT: 11.451 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

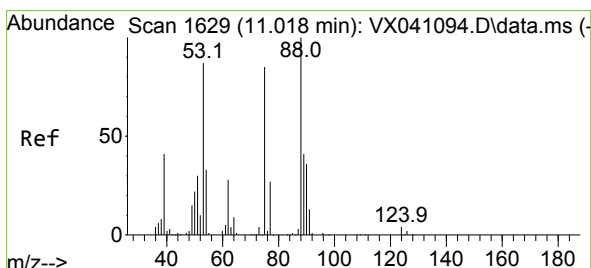
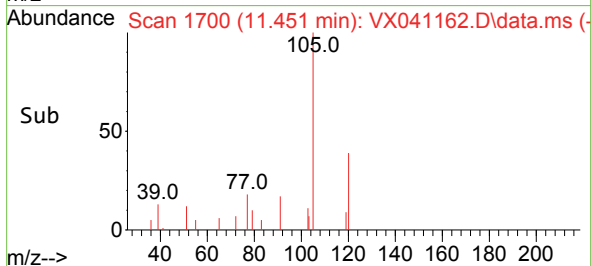
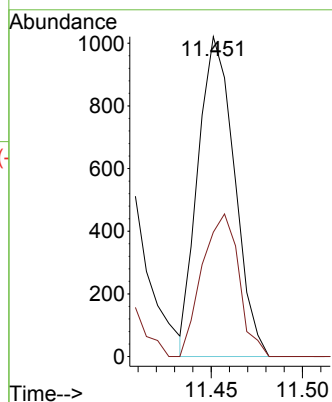
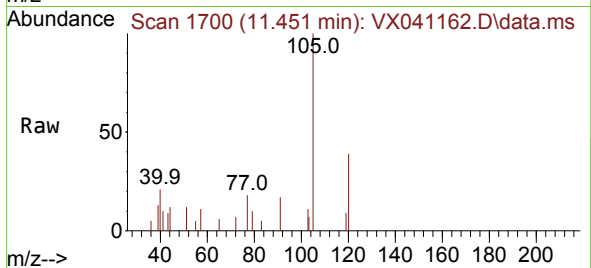
ClientSampleId :

Tgt Ion:105 Resp: 1414

Ion Ratio Lower Upper

105 100

120 45.2 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 69.877 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

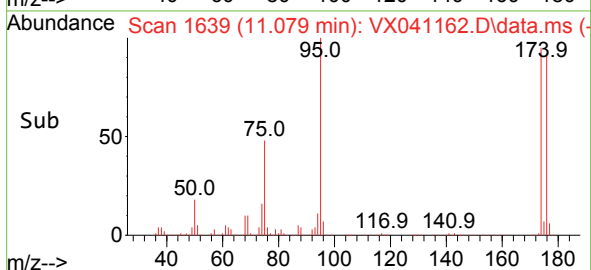
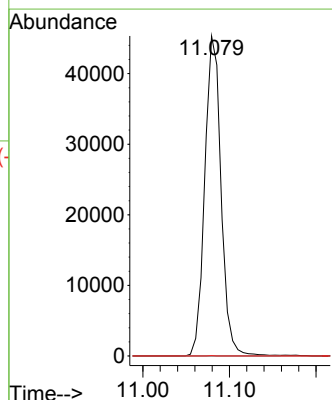
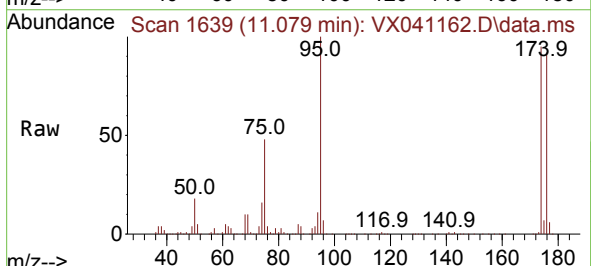
Tgt Ion: 75 Resp: 59256

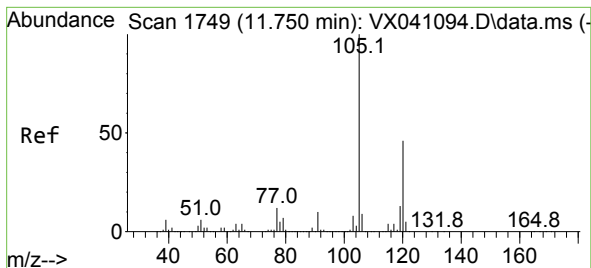
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.566 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Instrument :

MSVOA_X

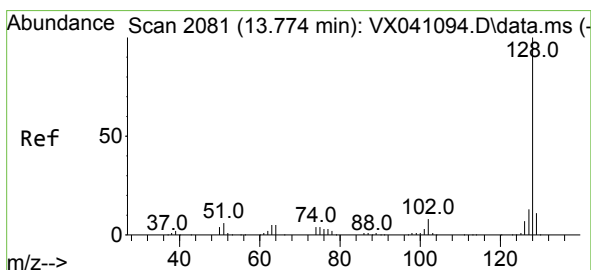
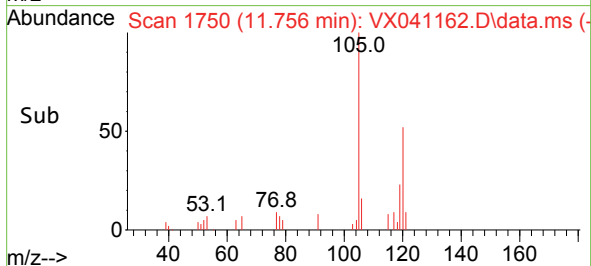
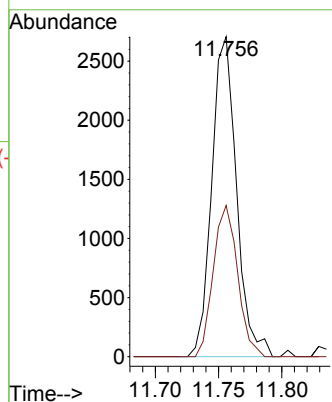
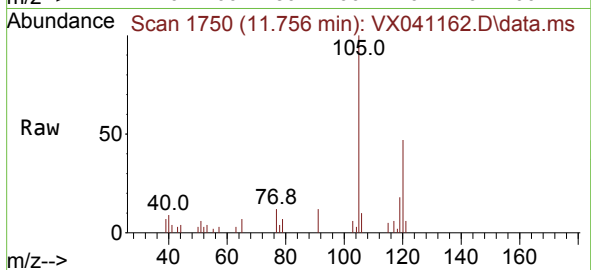
ClientSampleId :

Tgt Ion:105 Resp: 3681

Ion Ratio Lower Upper

105 100

120 46.5 21.2 63.6



#95

Naphthalene

Concen: 0.430 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX041162.D

Acq: 18 Apr 2024 14:30

Tgt Ion:128 Resp: 3749

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 10.7 8.8 13.2

