

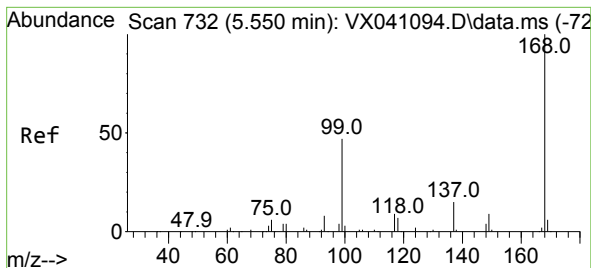
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041824\
 Data File : VX041160.D
 Acq On : 18 Apr 2024 13:44
 Operator : JC/MD
 Sample : PB160339TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 19 03:32:03 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	231928	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	340776	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	120249	48.023	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.040%		
35) Dibromofluoromethane	5.385	113	105084	46.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.320%		
50) Toluene-d8	8.647	98	392299	49.199	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.400%		
62) 4-Bromofluorobenzene	11.079	95	136558	45.115	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.220%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	432	0.294	ug/l	83
6) Chloroethane	1.703	64	405	0.262	ug/l	# 43
11) Tert butyl alcohol	2.946	59	1307	2.668	ug/l	# 78
16) Acetone	2.398	43	37235	35.378	ug/l	# 89
18) Methyl Acetate	2.709	43	3031	1.154	ug/l	94
20) Methylene Chloride	2.788	84	6854	3.052	ug/l	85
25) 2-Butanone	4.605	43	3873	2.342	ug/l	98
29) Tetrahydrofuran	5.050	42	376	0.343	ug/l	# 57
31) Cyclohexane	5.544	56	3448	1.112	ug/l	# 1
36) 1,1-Dichloropropene	5.544	75	13269	4.604	ug/l	# 51
37) Ethyl Acetate	4.757	43	2643	0.768	ug/l	# 90
38) Carbon Tetrachloride	5.544	117	19301	5.776	ug/l	# 16
43) Isopropyl Acetate	6.348	43	128433	25.129	ug/l	97
48) Methyl methacrylate	7.799	41	110379	44.245	ug/l	# 47
49) 1,4-Dioxane	7.799	88	206	3.534	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	98985	28.509	ug/l	# 50
52) Toluene	8.720	92	1349	0.235	ug/l	88
53) t-1,3-Dichloropropene	8.958	75	841	0.274	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	46734	13.872	ug/l	# 57
57) 1,3-Dichloropropane	9.482	76	6028	1.604	ug/l	# 42
59) 2-Hexanone	9.378	43	128774	47.945	ug/l	# 26
74) N-amyl acetate	10.640	43	25327	7.045	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	65417	26.129	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	65417	66.664	ug/l	# 5

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Instrument :

MSVOA_X

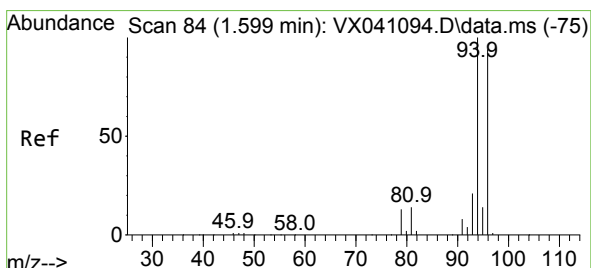
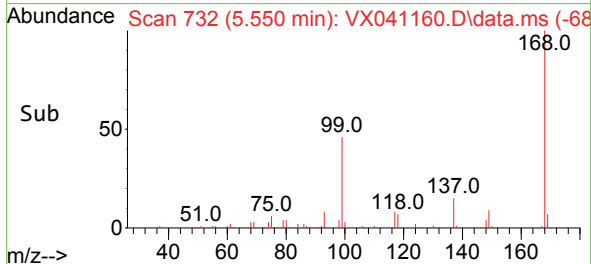
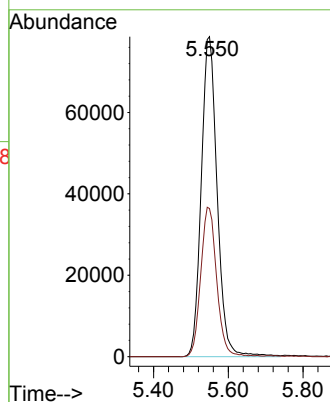
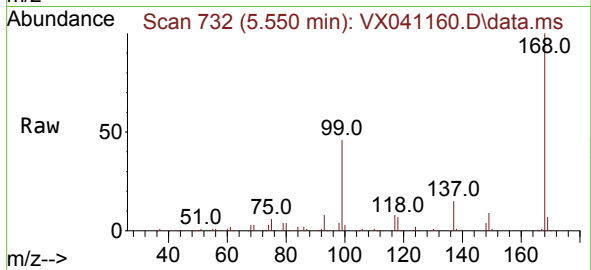
ClientSampleId :

Tgt Ion:168 Resp: 231928

Ion Ratio Lower Upper

168 100

99 46.3 56.6 85.0#



#5

Bromomethane

Concen: 0.294 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX041160.D

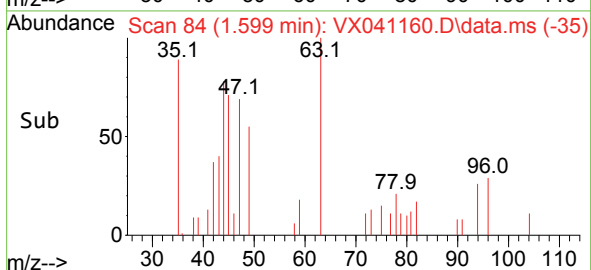
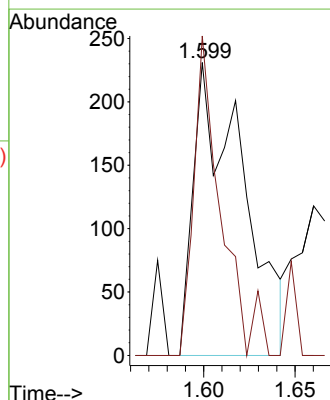
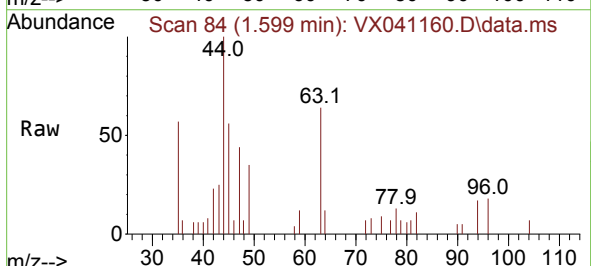
Acq: 18 Apr 2024 13:44

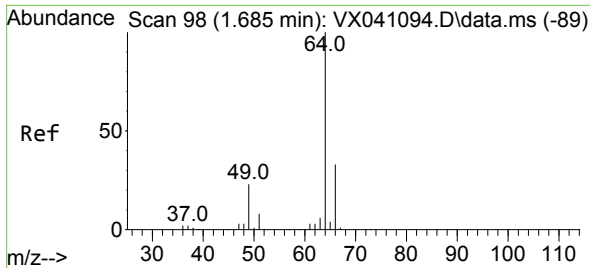
Tgt Ion: 94 Resp: 432

Ion Ratio Lower Upper

94 100

96 109.1 74.6 111.8

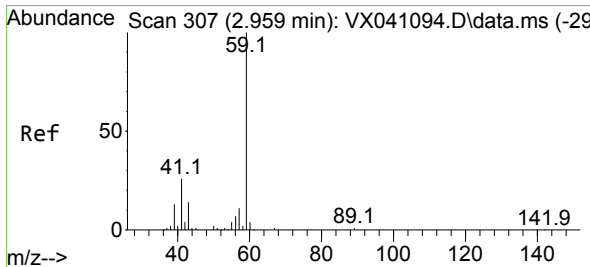
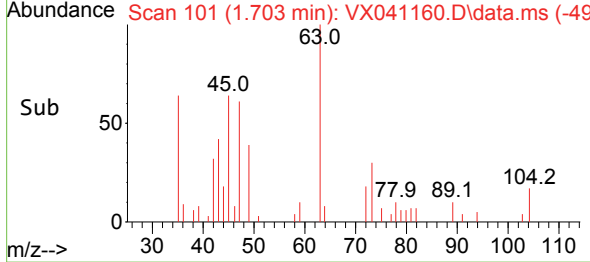
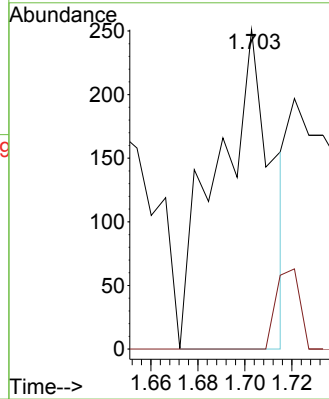
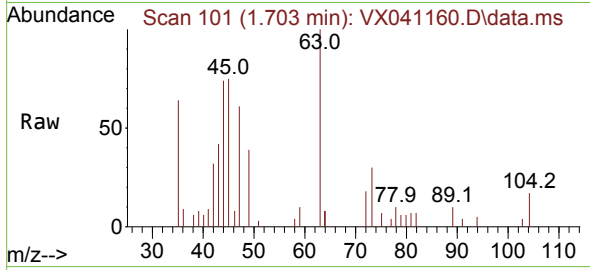




#6
Chloroethane
Concen: 0.262 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.018 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

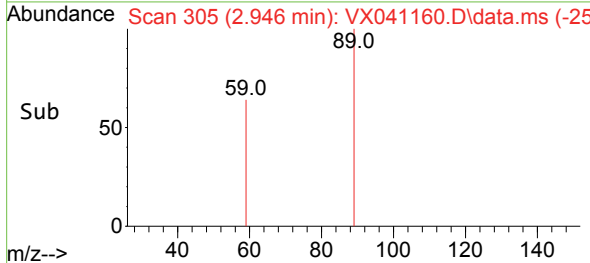
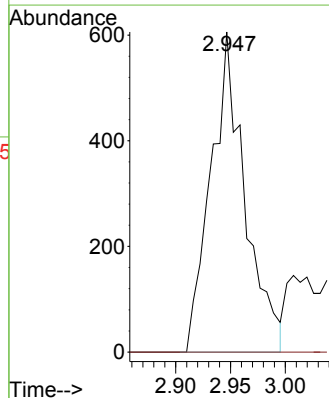
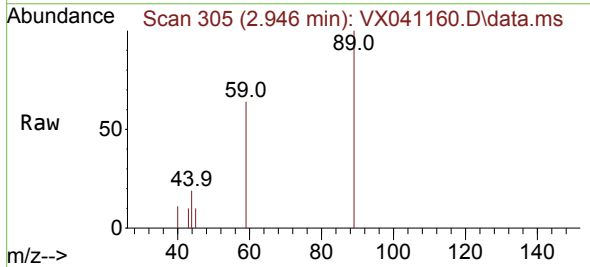
Instrument :
MSVOA_X
ClientSampleId :

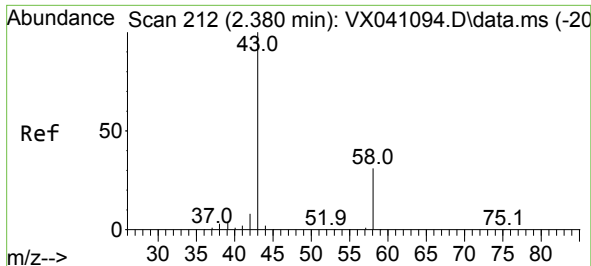
Tgt Ion: 64 Resp: 405
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 2.668 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

Tgt Ion: 59 Resp: 1307
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 35.378 ug/l

RT: 2.398 min Scan# 21

Delta R.T. 0.018 min

Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Instrument :

MSVOA_X

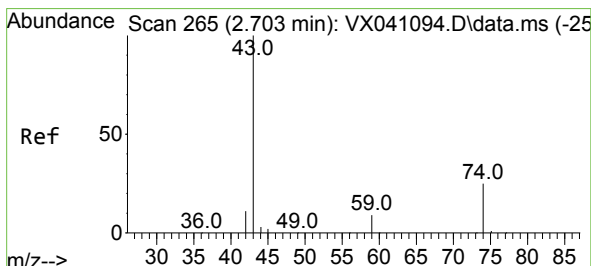
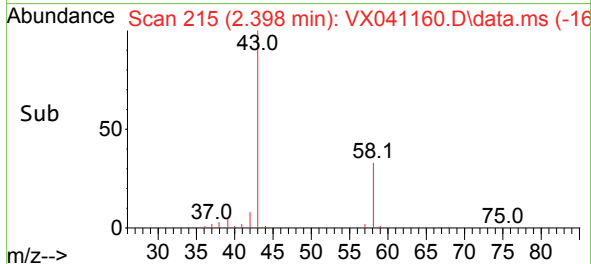
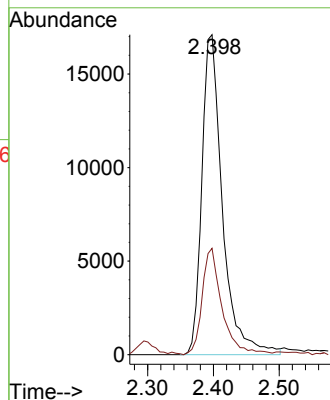
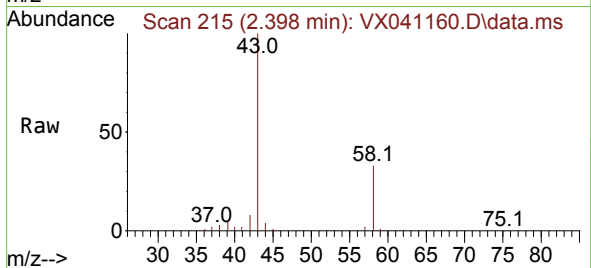
ClientSampleId :

Tgt Ion: 43 Resp: 37235

Ion Ratio Lower Upper

43 100

58 33.0 21.9 32.9#



#18

Methyl Acetate

Concen: 1.154 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX041160.D

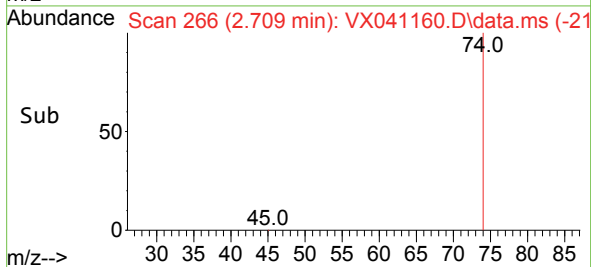
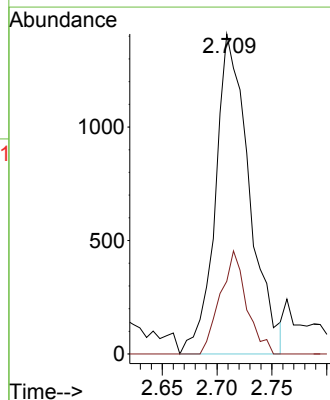
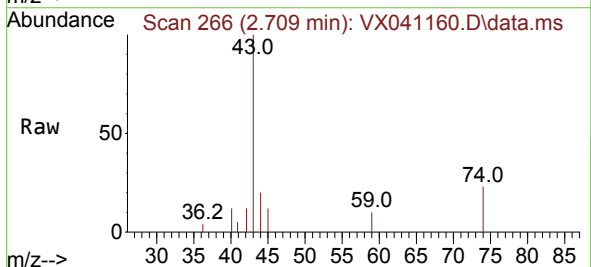
Acq: 18 Apr 2024 13:44

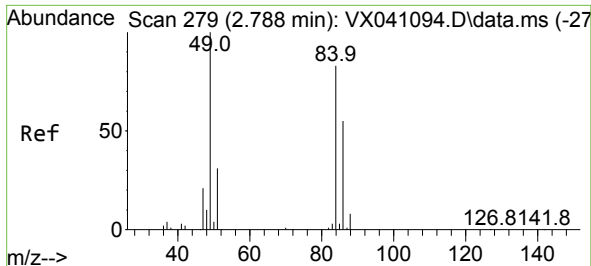
Tgt Ion: 43 Resp: 3031

Ion Ratio Lower Upper

43 100

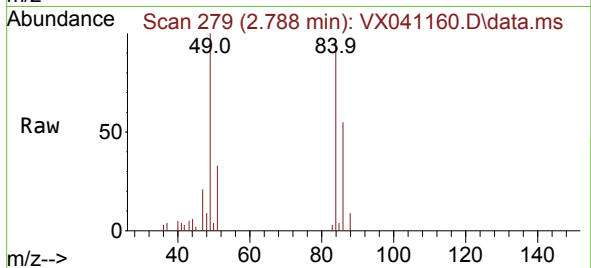
74 25.0 17.8 26.8





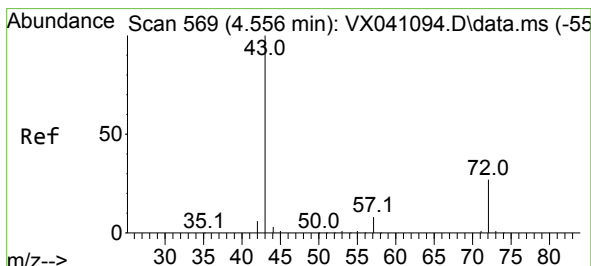
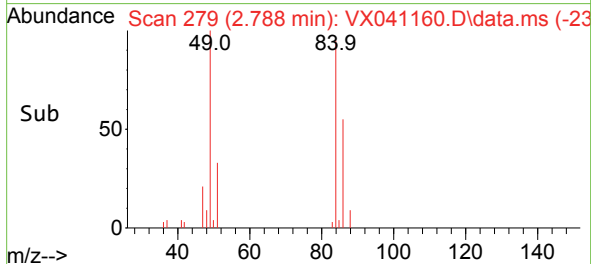
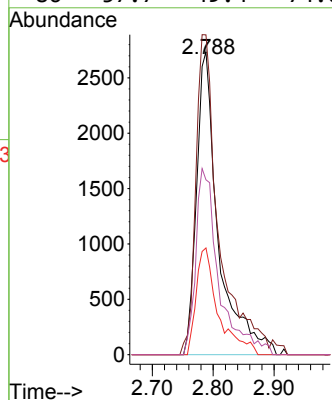
#20
Methylene Chloride
Concen: 3.052 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 6854

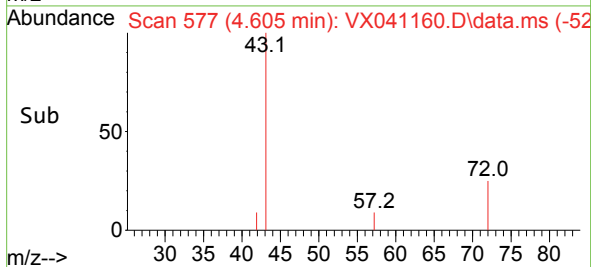
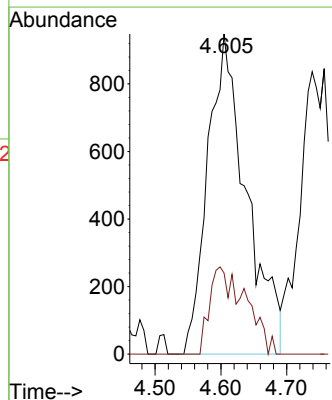
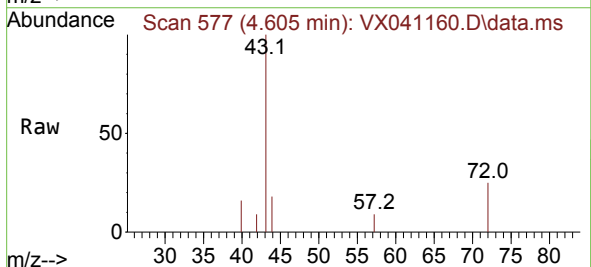
Ion	Ratio	Lower	Upper
84	100		
49	105.6	103.6	155.4
51	35.2	33.8	50.6
86	57.7	49.4	74.0

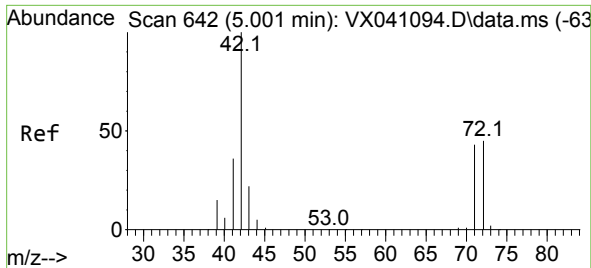


#25
2-Butanone
Concen: 2.342 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

Tgt Ion: 43 Resp: 3873

Ion	Ratio	Lower	Upper
43	100		
72	25.3	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 5.050 min Scan# 610

Delta R.T. 0.049 min

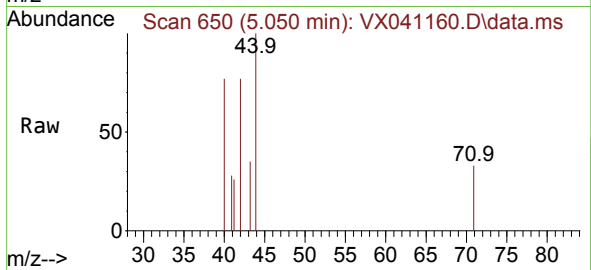
Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :



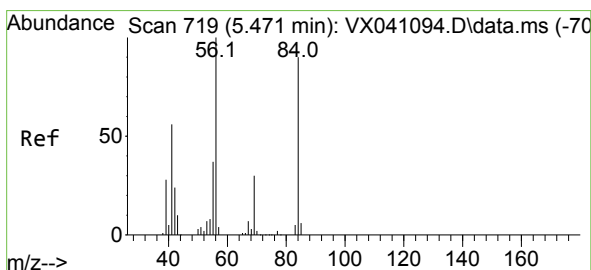
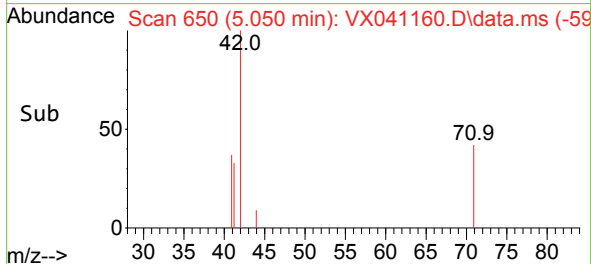
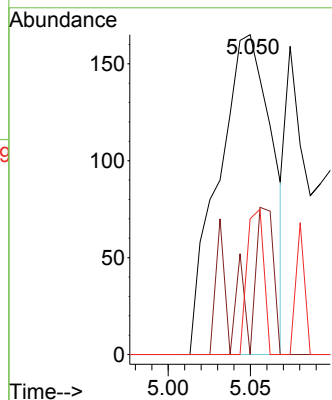
Tgt Ion: 42 Resp: 376

Ion Ratio Lower Upper

42 100

72 14.6 34.2 51.4#

71 14.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.112 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

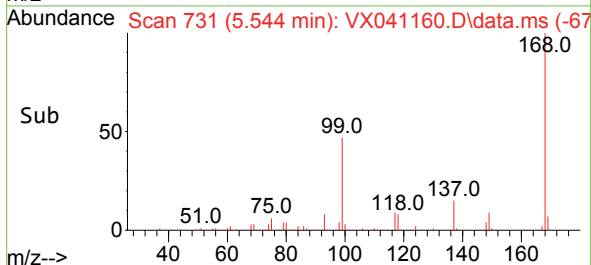
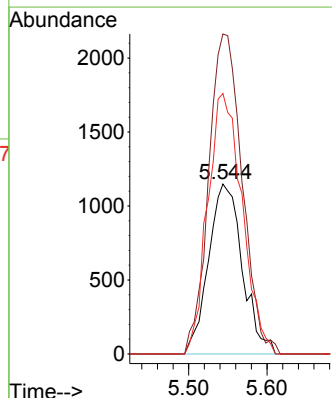
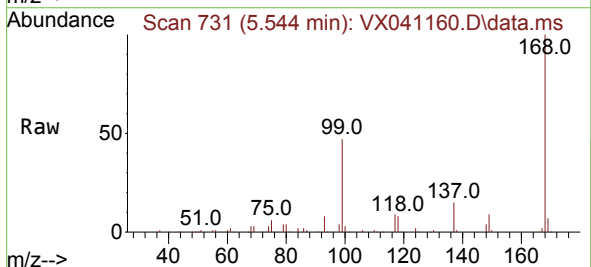
Tgt Ion: 56 Resp: 3448

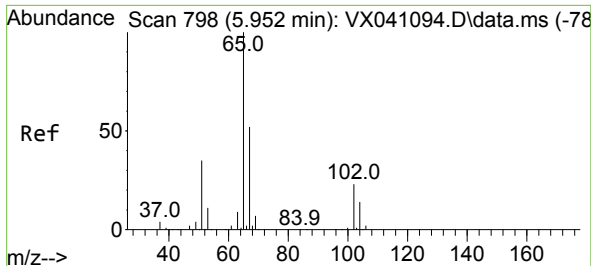
Ion Ratio Lower Upper

56 100

69 188.4 23.4 35.2#

84 153.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.023 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Instrument :

MSVOA_X

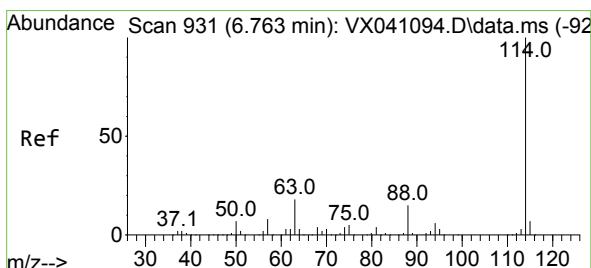
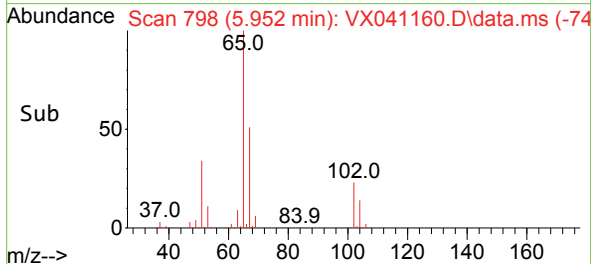
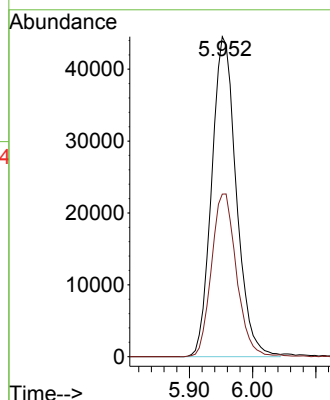
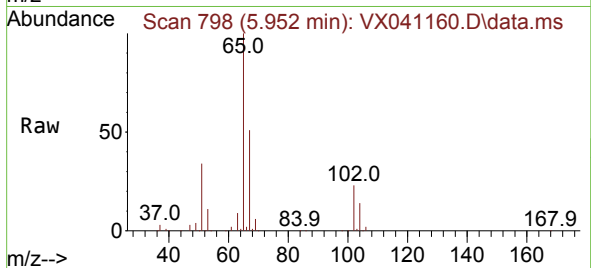
ClientSampleId :

Tgt Ion: 65 Resp: 120249

Ion Ratio Lower Upper

65 100

67 51.8 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: VX041160.D

Acq: 18 Apr 2024 13:44

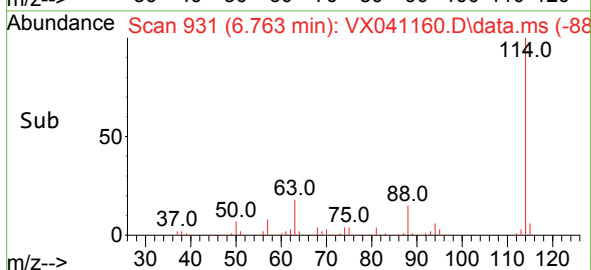
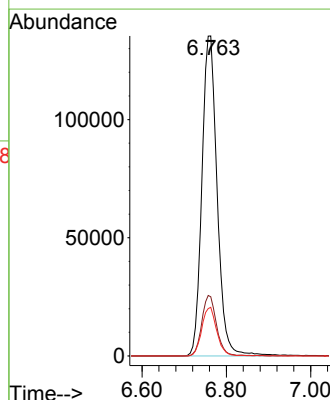
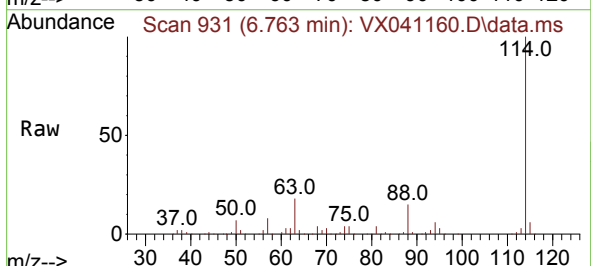
Tgt Ion:114 Resp: 340776

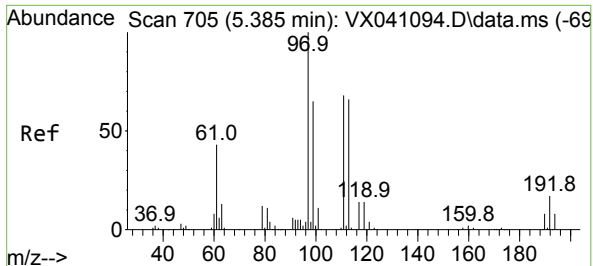
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

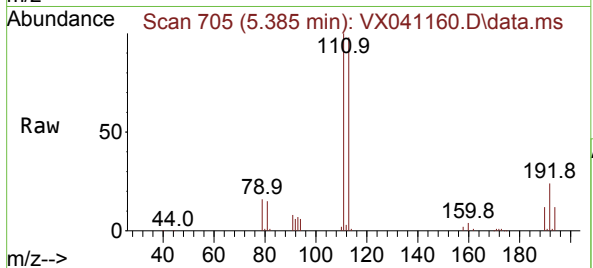
88 15.2 0.0 36.6



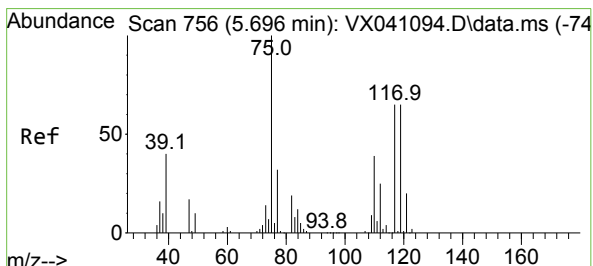
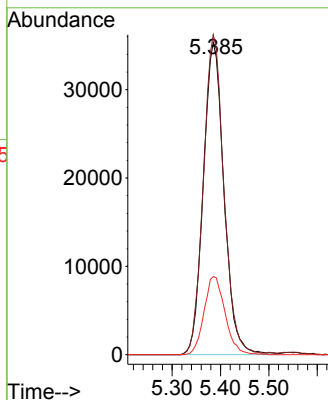
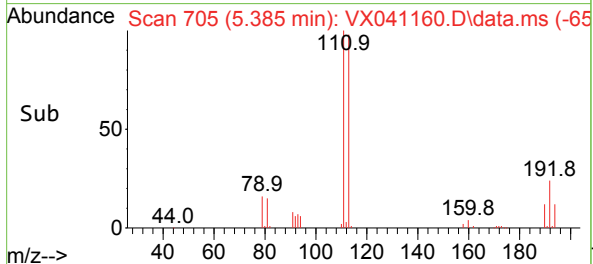


#35
Dibromofluoromethane
Concen: 46.162 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

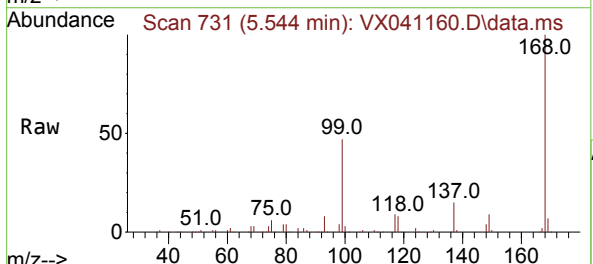
Instrument :
MSVOA_X
ClientSampleId :



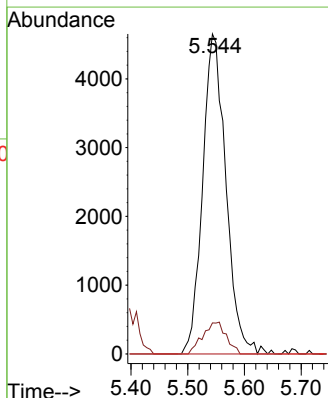
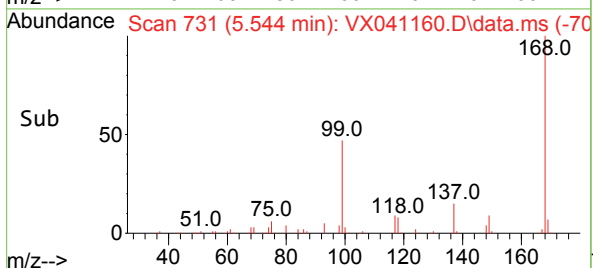
Tgt Ion:113 Resp: 105084
Ion Ratio Lower Upper
113 100
111 101.6 82.9 124.3
192 25.4 13.3 19.9#

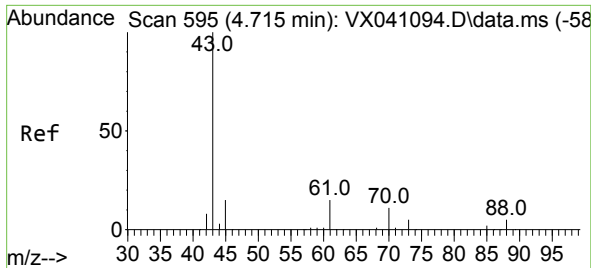


#36
1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.153 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44



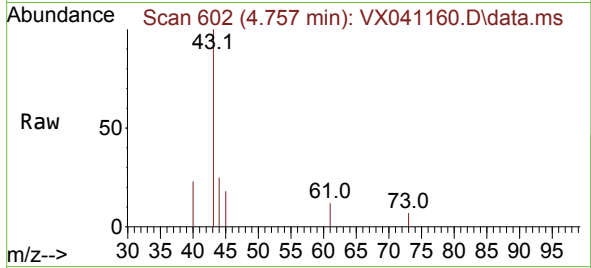
Tgt Ion: 75 Resp: 13269
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



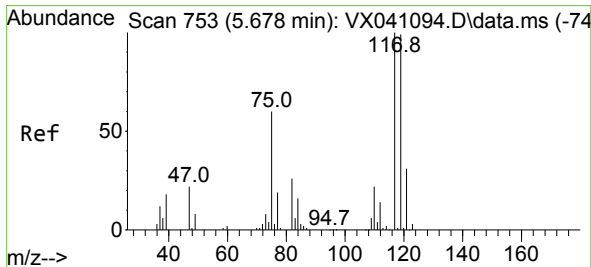
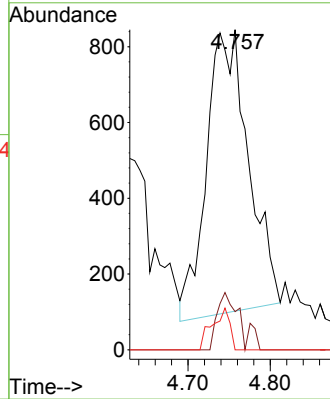
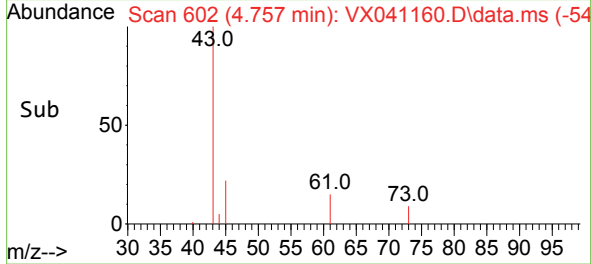


#37
Ethyl Acetate
Concen: 0.768 ug/l
RT: 4.757 min Scan# 60
Delta R.T. 0.043 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

Instrument :
MSVOA_X
ClientSampleId :

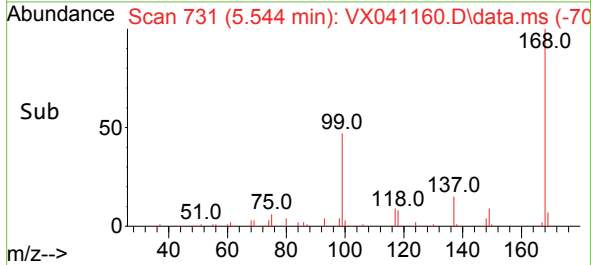
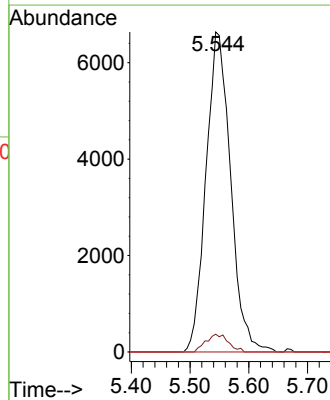
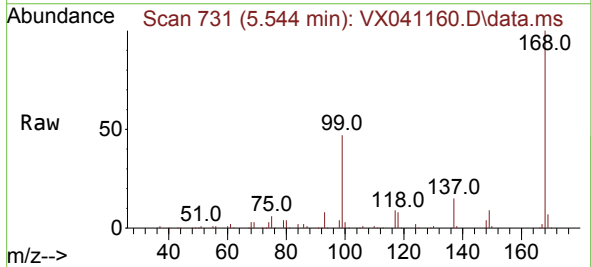


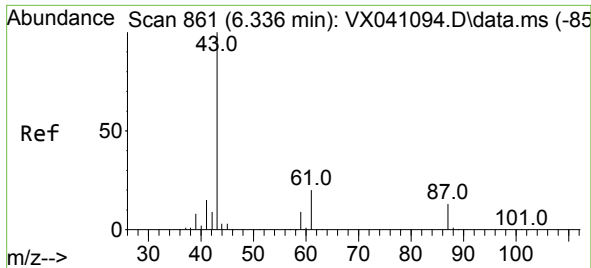
Tgt Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
61 9.5 10.6 16.0#
70 6.2 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 5.776 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

Tgt Ion: 117 Resp: 19301
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 24.4 36.6#

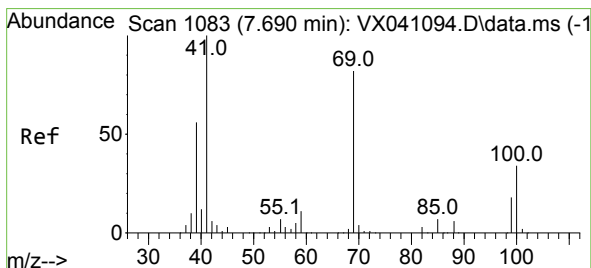
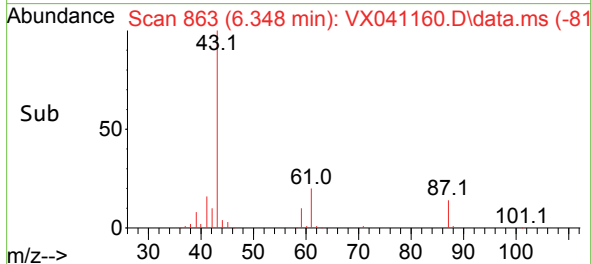
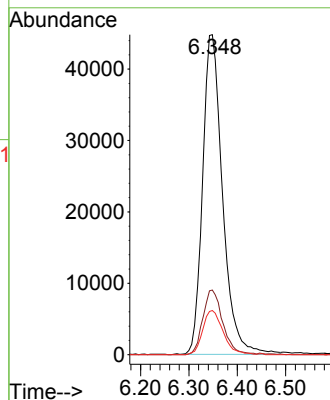
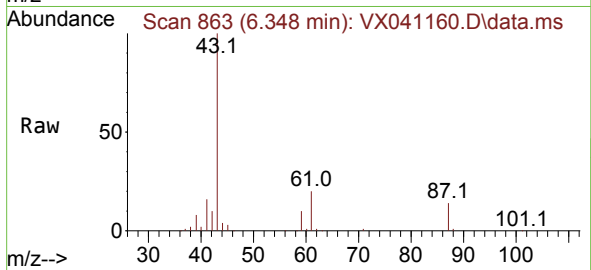




#43
Isopropyl Acetate
Concen: 25.129 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

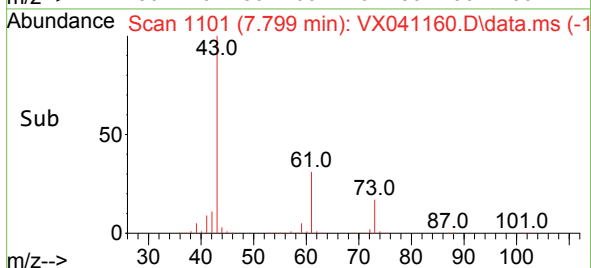
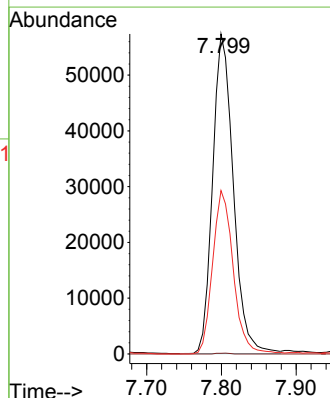
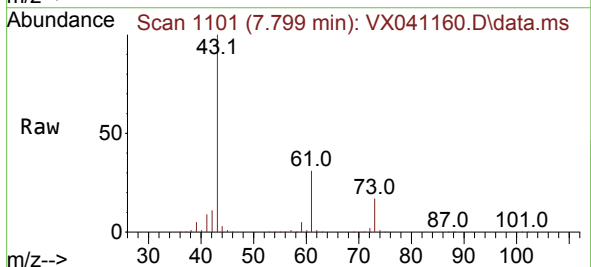
Instrument :
MSVOA_X
ClientSampleId :

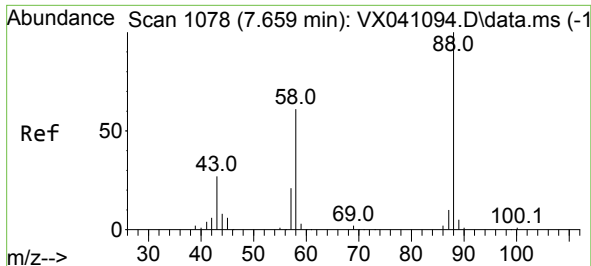
Tgt Ion: 43 Resp: 128433
Ion Ratio Lower Upper
43 100
61 20.1 15.2 22.8
87 14.1 9.8 14.6



#48
Methyl methacrylate
Concen: 44.245 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.110 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

Tgt Ion: 41 Resp: 110379
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 51.1 47.7 71.5





#49

1,4-Dioxane

Concen: 3.534 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

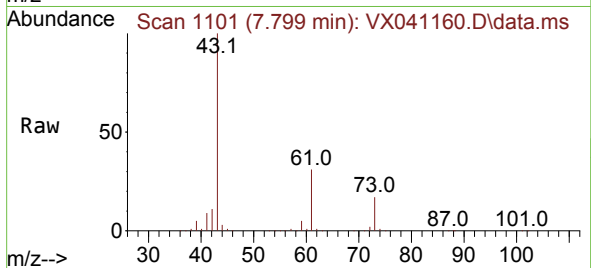
Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Instrument :

MSVOA_X

ClientSampleId :



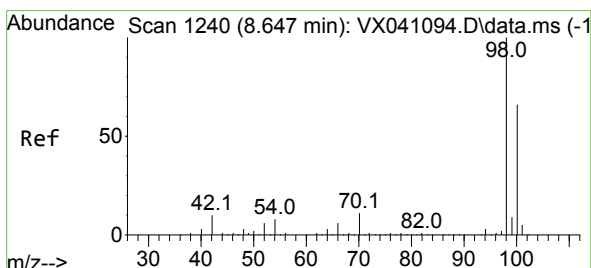
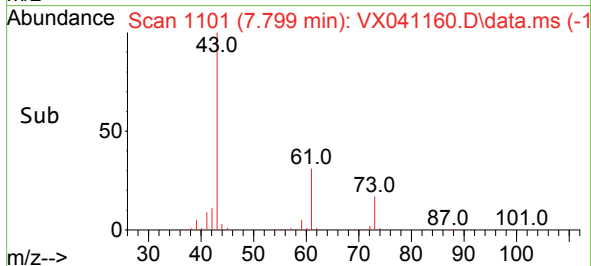
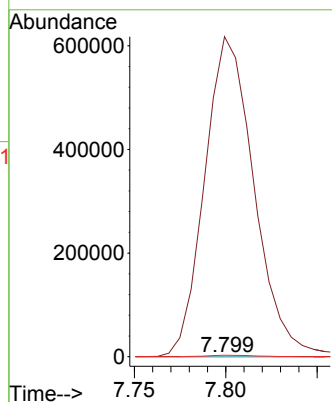
Tgt Ion: 88 Resp: 206

Ion Ratio Lower Upper

88 100

43 574014.1 0.0 0.0#

58 2618.0 60.1 90.1#



#50

Toluene-d8

Concen: 49.199 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041160.D

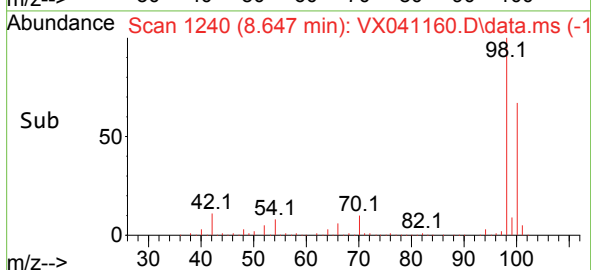
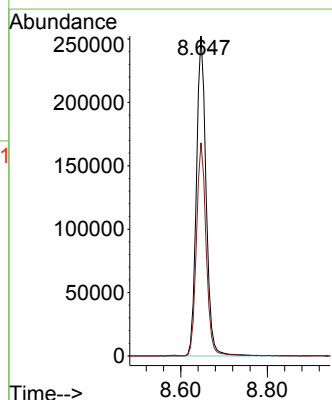
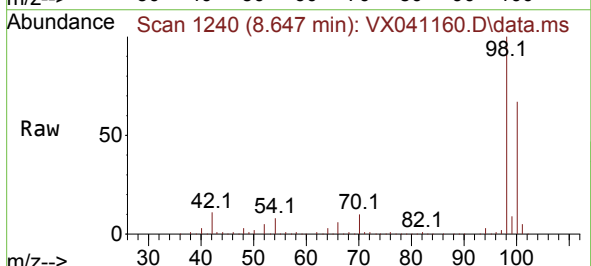
Acq: 18 Apr 2024 13:44

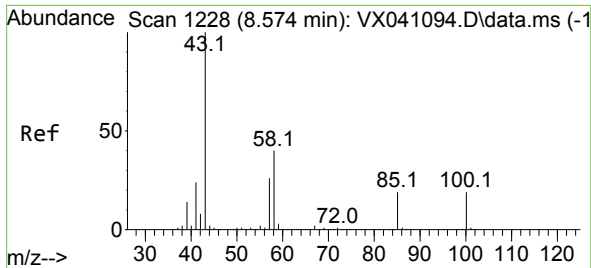
Tgt Ion: 98 Resp: 392299

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7

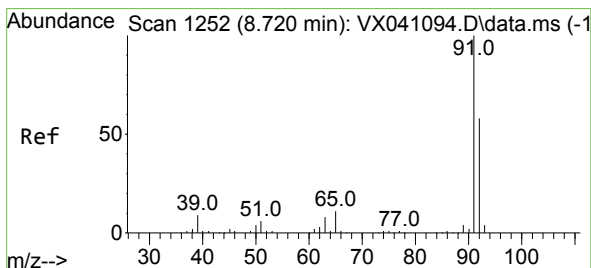
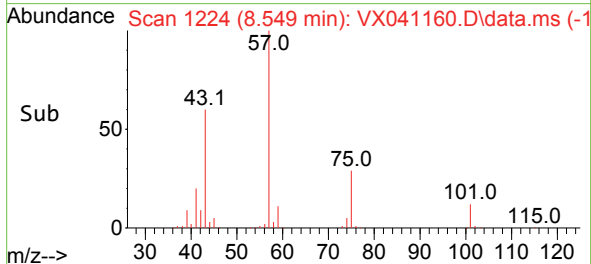
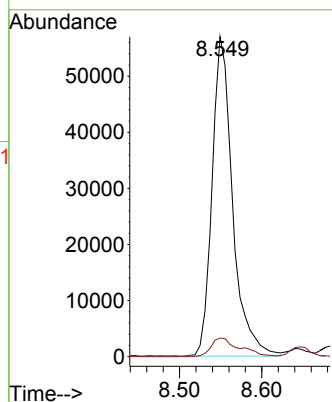
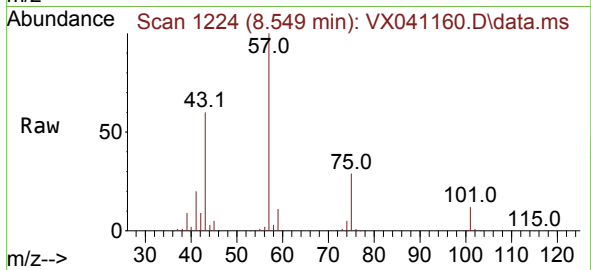




#51
4-Methyl-2-Pentanone
Concen: 28.509 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

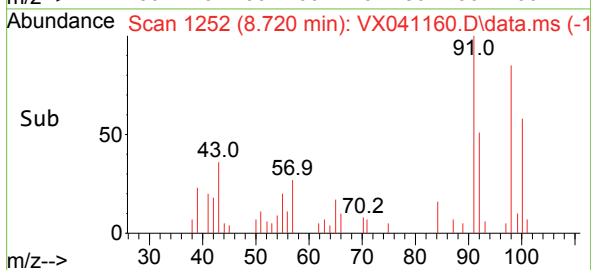
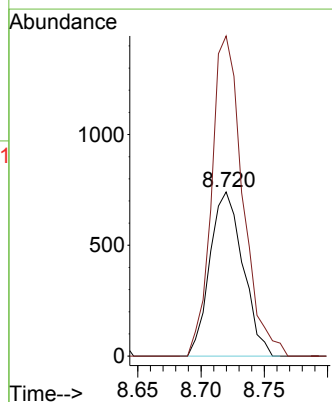
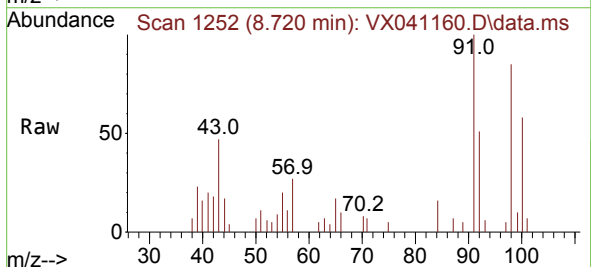
Instrument :
MSVOA_X
ClientSampleId :

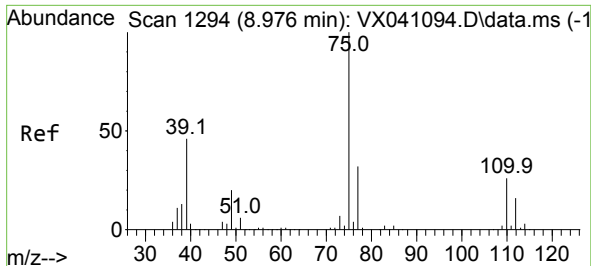
Tgt Ion: 43 Resp: 98985
Ion Ratio Lower Upper
43 100
58 8.1 30.4 45.6#



#52
Toluene
Concen: 0.235 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

Tgt Ion: 92 Resp: 1349
Ion Ratio Lower Upper
92 100
91 183.5 134.2 201.2

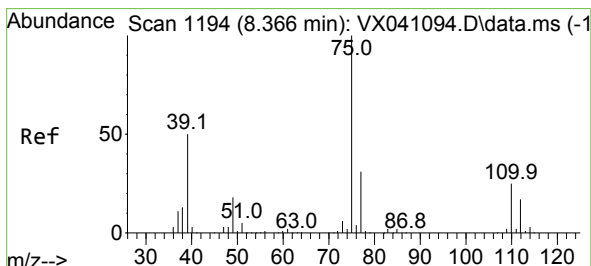
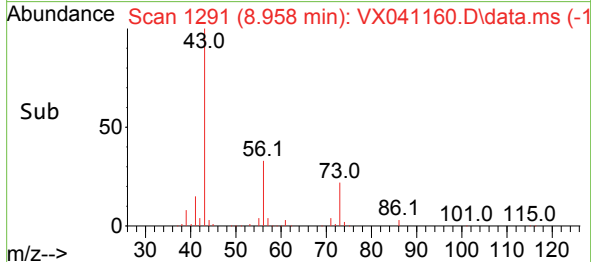
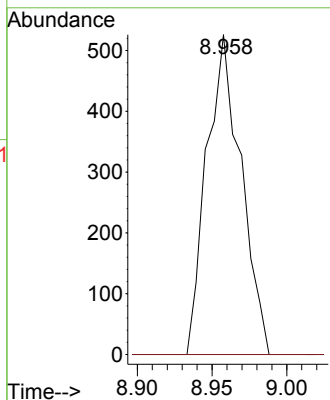
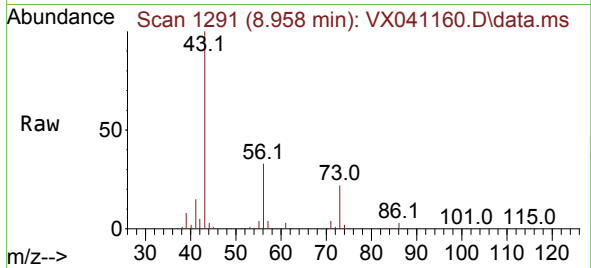




#53
 t-1,3-Dichloropropene
 Concen: 0.274 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX041160.D
 Acq: 18 Apr 2024 13:44

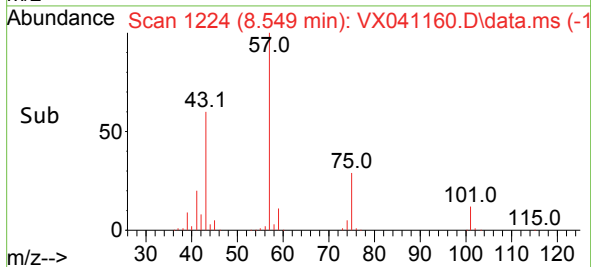
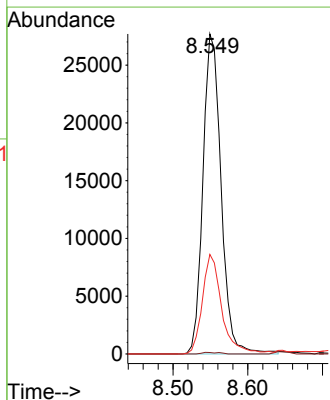
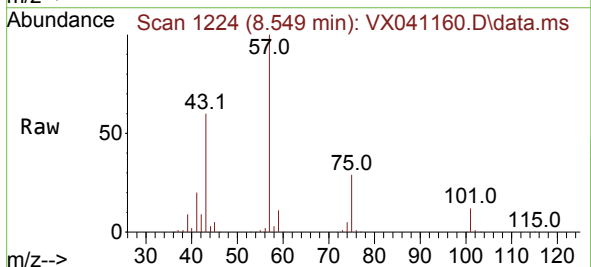
Instrument :
 MSVOA_X
 ClientSampleId :

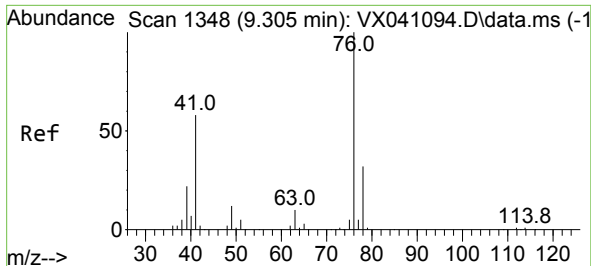
Tgt Ion: 75 Resp: 841
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.872 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX041160.D
 Acq: 18 Apr 2024 13:44

Tgt Ion: 75 Resp: 46734
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 31.1 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.604 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Instrument :

MSVOA_X

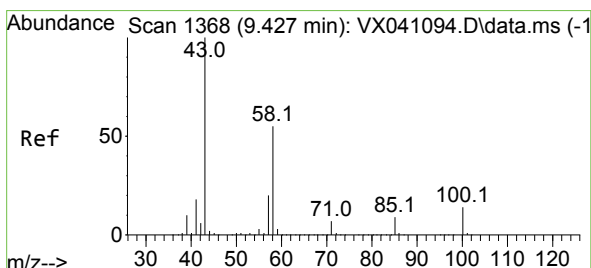
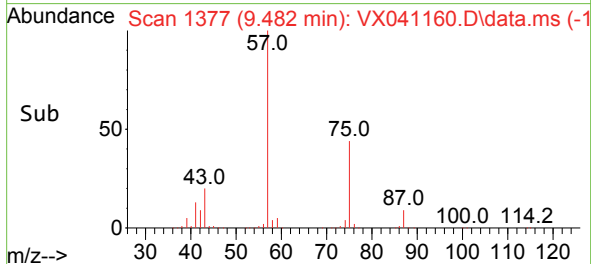
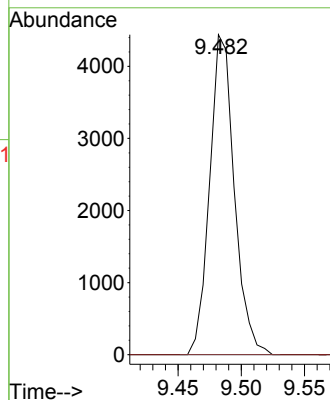
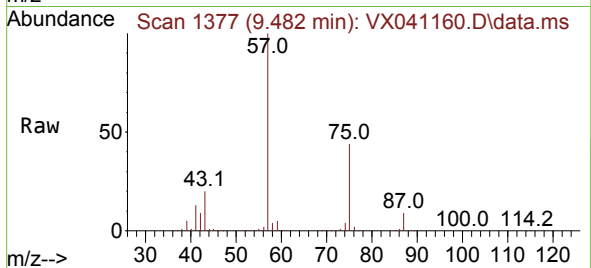
ClientSampleId :

Tgt Ion: 76 Resp: 6028

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 47.945 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX041160.D

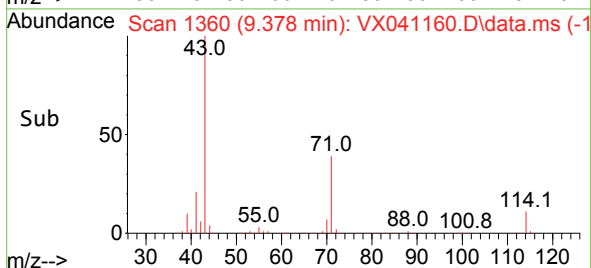
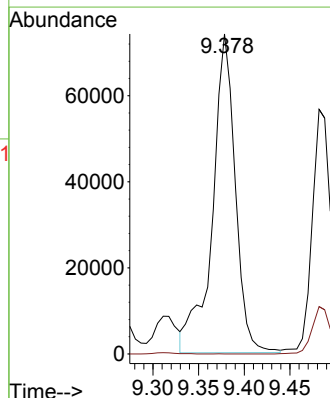
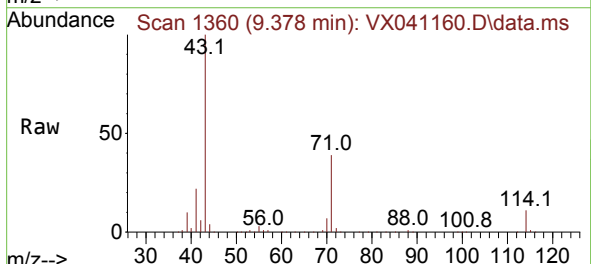
Acq: 18 Apr 2024 13:44

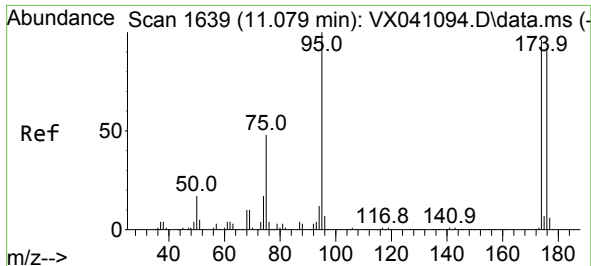
Tgt Ion: 43 Resp: 128774

Ion Ratio Lower Upper

43 100

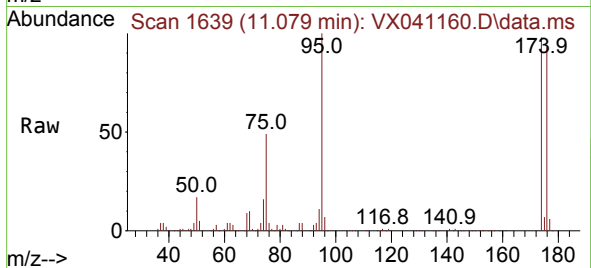
58 0.0 26.2 78.5#



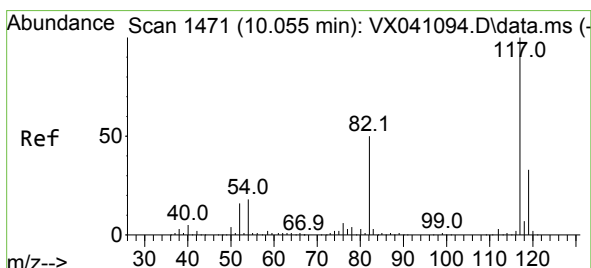
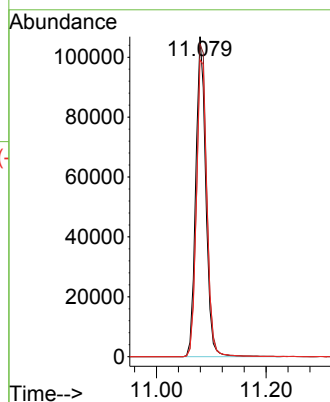
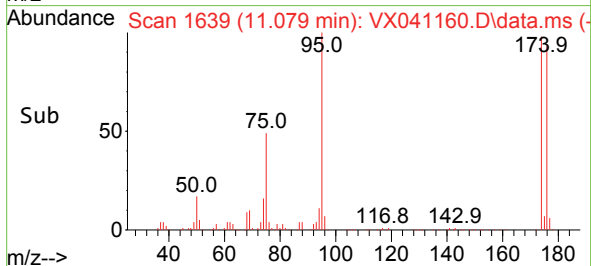


#62
4-Bromofluorobenzene
Concen: 45.115 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

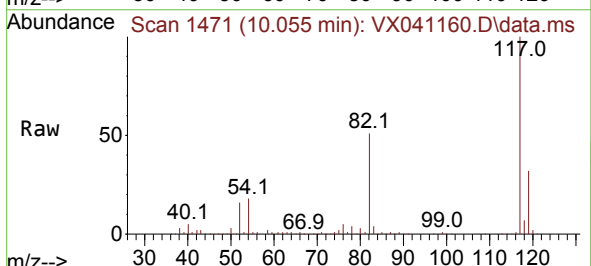
Instrument :
MSVOA_X
ClientSampleId :



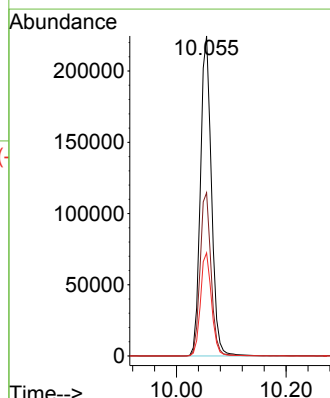
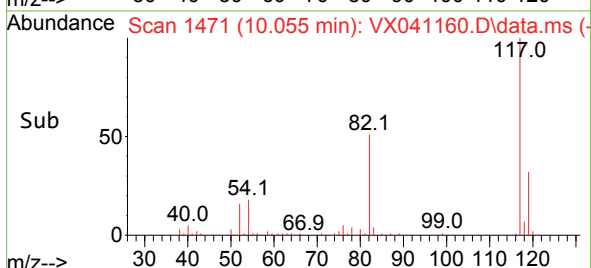
Tgt Ion: 95 Resp: 136558
Ion Ratio Lower Upper
95 100
174 100.5 0.0 135.6
176 96.7 0.0 131.0

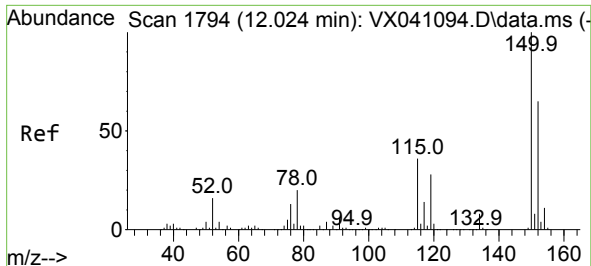


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44



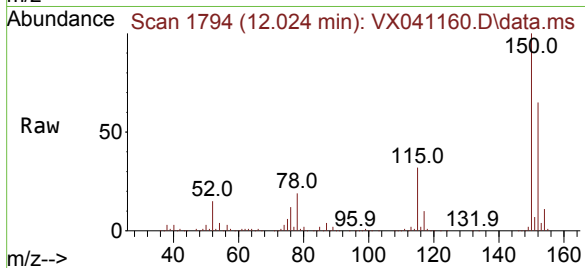
Tgt Ion: 117 Resp: 314047
Ion Ratio Lower Upper
117 100
82 51.0 46.2 69.4
119 32.2 25.5 38.3



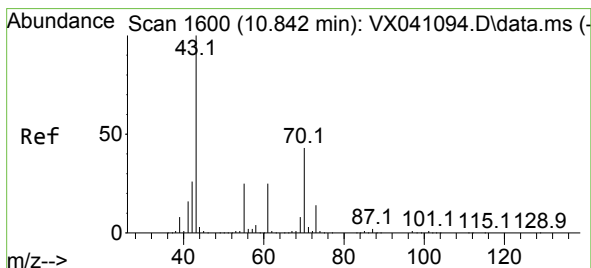
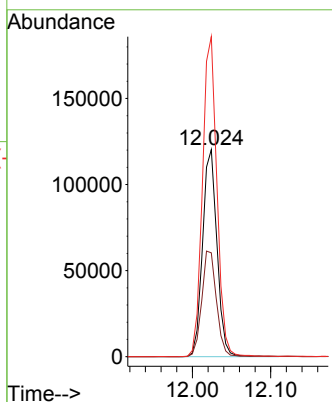
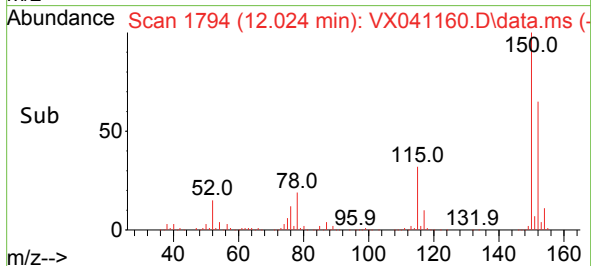


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44

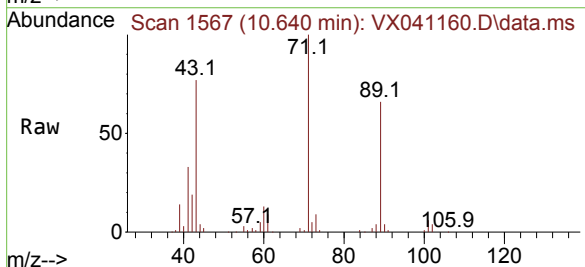
Instrument :
MSVOA_X
ClientSampleId :



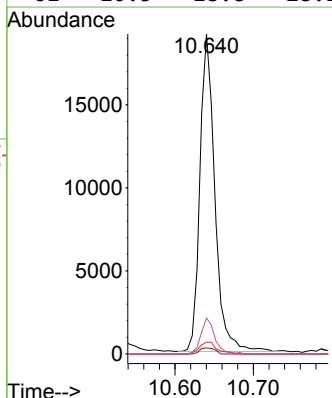
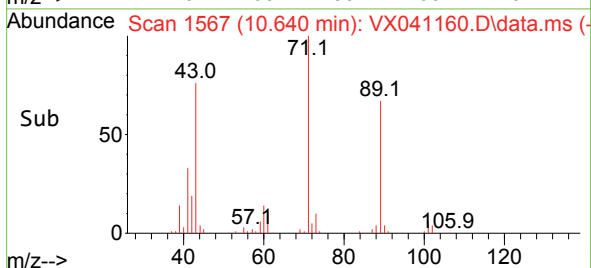
Tgt Ion:152 Resp: 153630
Ion Ratio Lower Upper
152 100
115 52.1 43.3 129.9
150 154.7 0.0 345.0

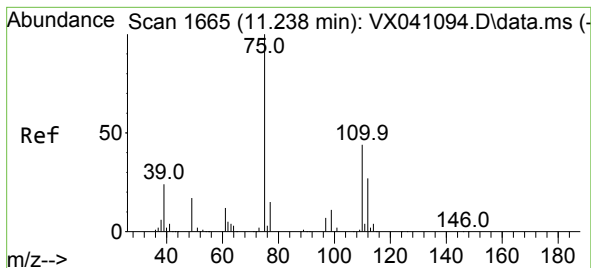


#74
N-ethyl acetate
Concen: 7.045 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX041160.D
Acq: 18 Apr 2024 13:44



Tgt Ion: 43 Resp: 25327
Ion Ratio Lower Upper
43 100
70 1.9 32.9 49.3#
55 4.3 19.3 28.9#
61 10.5 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.129 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Instrument :

MSVOA_X

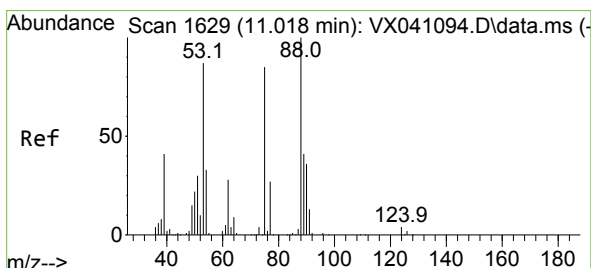
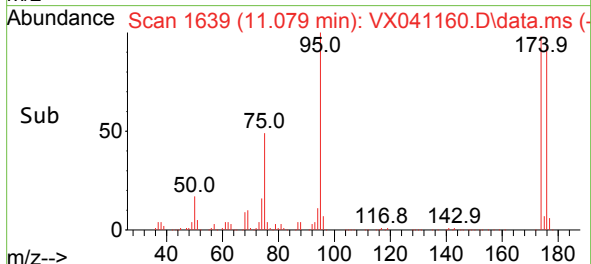
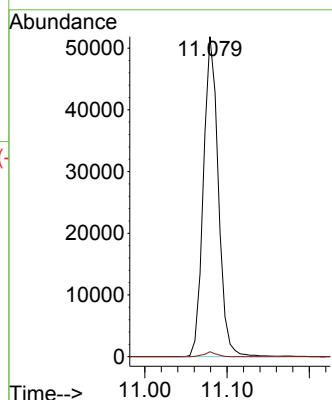
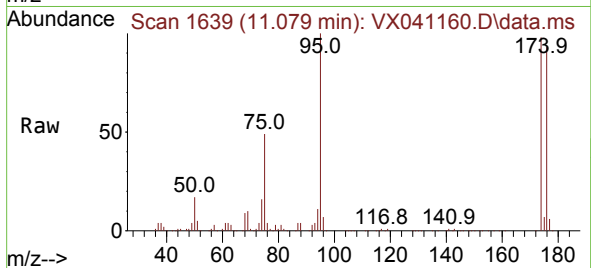
ClientSampleId :

Tgt Ion: 75 Resp: 65417

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.664 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041160.D

Acq: 18 Apr 2024 13:44

Tgt Ion: 75 Resp: 65417

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

