

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011224\
 Data File : VX039740.D
 Acq On : 12 Jan 2024 16:23
 Operator : JC/MD
 Sample : P1117-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

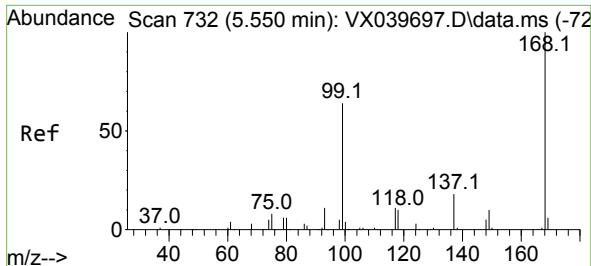
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 12 22:40:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

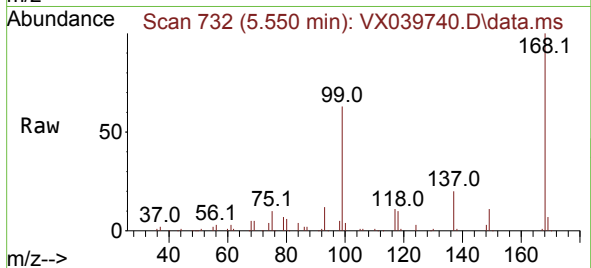
Internal Standards						
1) Pentafluorobenzene	5.550	168	96123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	184387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	178511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73394	45.581	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.160%
35) Dibromofluoromethane	5.385	113	57771	46.517	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.040%
50) Toluene-d8	8.647	98	228094	48.696	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.400%
62) 4-Bromofluorobenzene	11.079	95	89719	48.982	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.960%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	285	0.373	ug/l #	3
11) Tert butyl alcohol	2.934	59	1437	3.428	ug/l #	78
13) Acrolein	2.240	56	39	Below Cal	#	76
16) Acetone	2.380	43	20840	23.013	ug/l	93
18) Methyl Acetate	2.703	43	9965	5.260	ug/l	100
20) Methylene Chloride	2.788	84	4663	3.404	ug/l	92
25) 2-Butanone	4.587	43	1849	1.421	ug/l #	86
29) Tetrahydrofuran	5.032	42	417	0.498	ug/l #	46
31) Cyclohexane	5.544	56	2697	1.269	ug/l #	35
36) 1,1-Dichloropropene	5.550	75	8886	4.597	ug/l #	50
37) Ethyl Acetate	4.733	43	2690	1.043	ug/l #	89
38) Carbon Tetrachloride	5.550	117	10512	5.937	ug/l #	15
43) Isopropyl Acetate	6.342	43	89101	23.552	ug/l	100
48) Methyl methacrylate	7.629	41	2405	1.293	ug/l #	43
49) 1,4-Dioxane	7.799	88	55	1.529	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	65628	25.188	ug/l #	52
53) t-1,3-Dichloropropene	8.946	75	409	0.205	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28235	12.883	ug/l #	59
56) Ethyl methacrylate	9.238	69	597	0.265	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3435	1.456	ug/l #	42
59) 2-Hexanone	9.378	43	83354	40.422	ug/l #	26
74) N-amyl acetate	10.640	43	13211	4.066	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	47785	23.539	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	47785	67.795	ug/l #	5

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

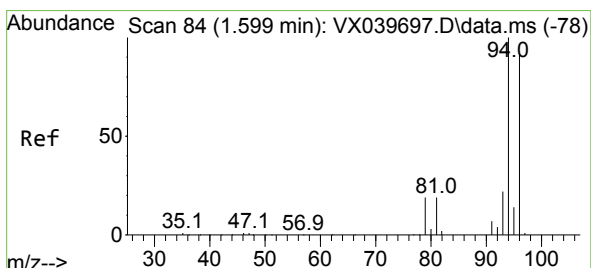
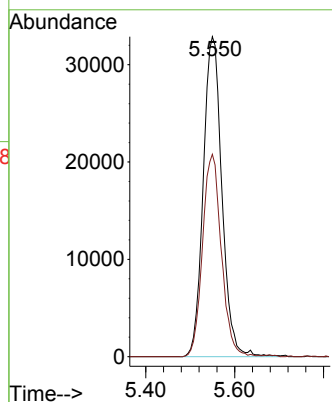
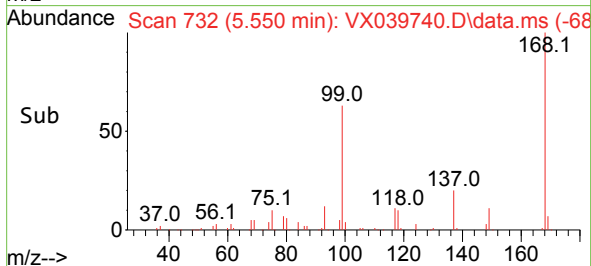


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Instrument :
MSVOA_X
ClientSampleId :

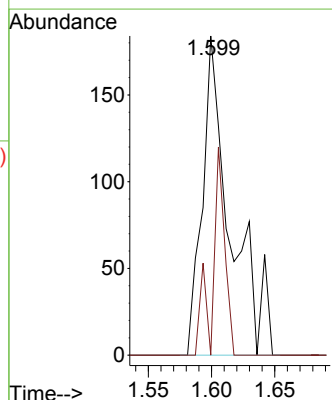
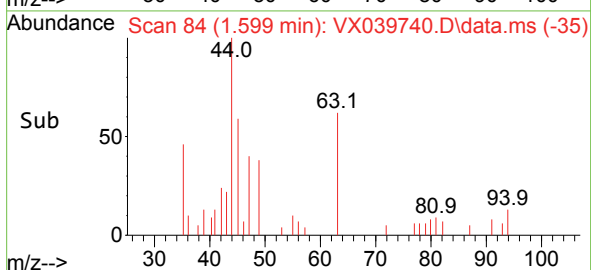
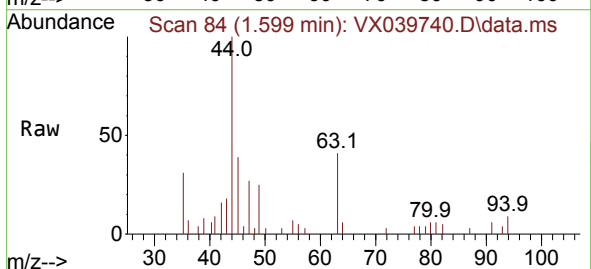


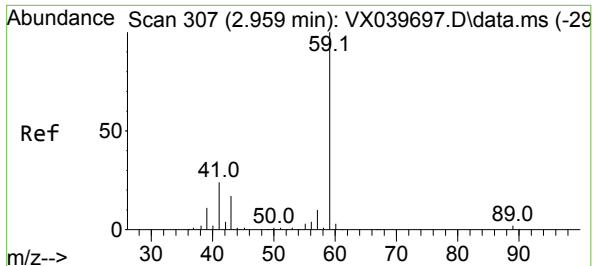
Tgt Ion:168 Resp: 96123
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#5
Bromomethane
Concen: 0.373 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Tgt Ion: 94 Resp: 285
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#





#11

Tert butyl alcohol

Concen: 3.428 ug/l

RT: 2.934 min Scan# 30

Delta R.T. -0.024 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

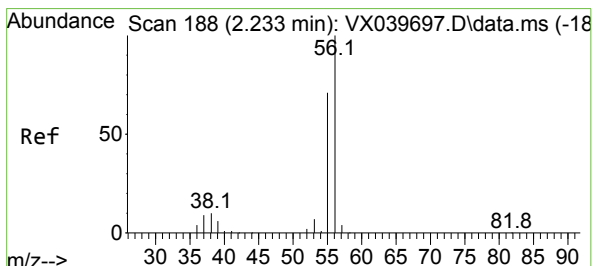
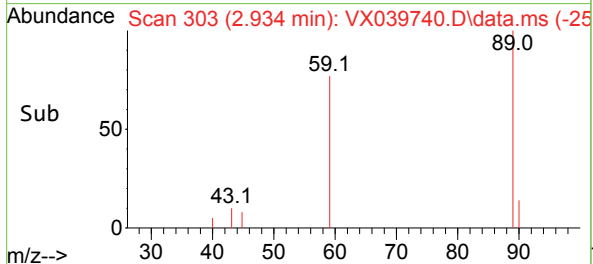
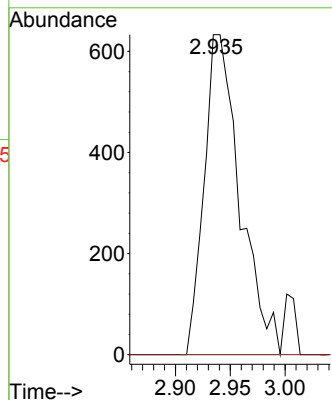
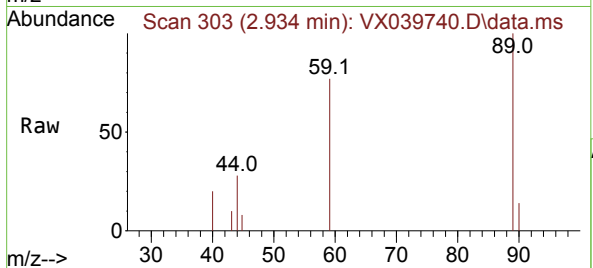
ClientSampleId :

Tgt Ion: 59 Resp: 1437

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: Below Cal

RT: 2.240 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX039740.D

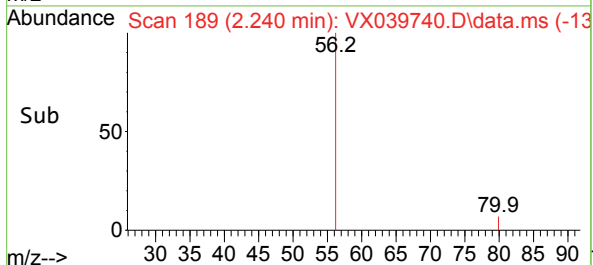
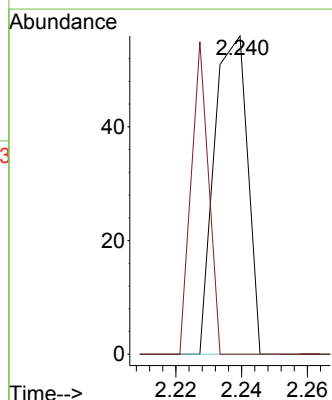
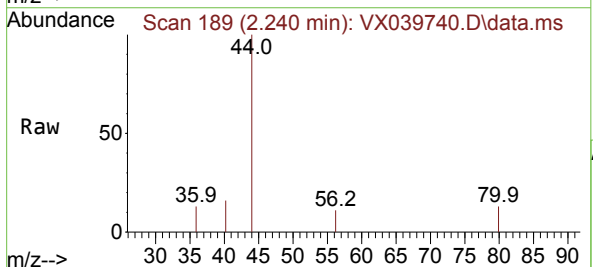
Acq: 12 Jan 2024 16:23

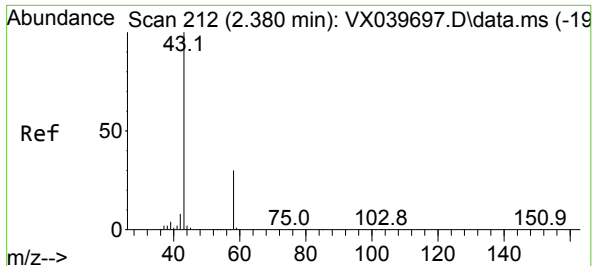
Tgt Ion: 56 Resp: 39

Ion Ratio Lower Upper

56 100

55 51.3 57.1 85.7#

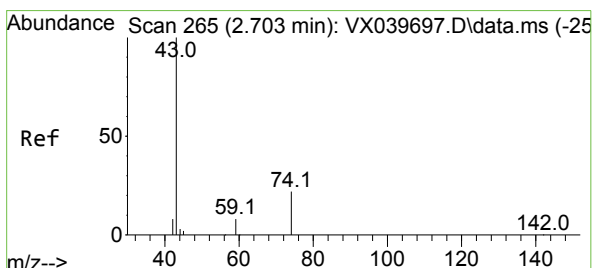
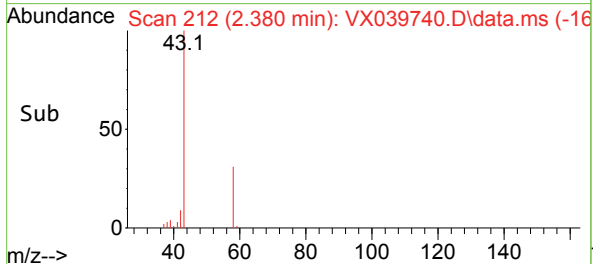
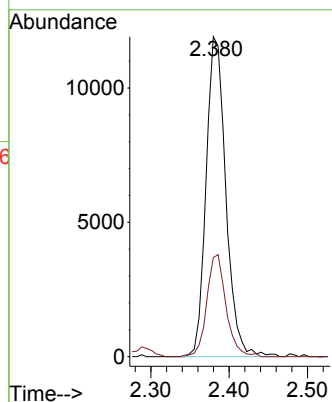
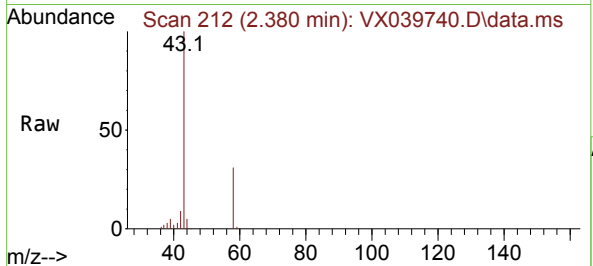




#16
Acetone
Concen: 23.013 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

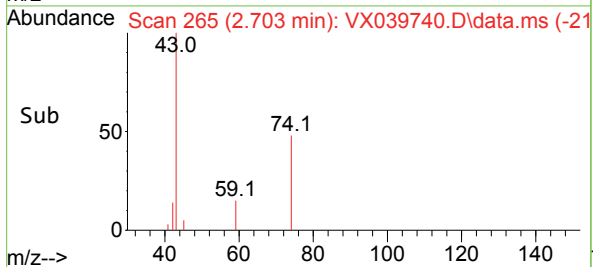
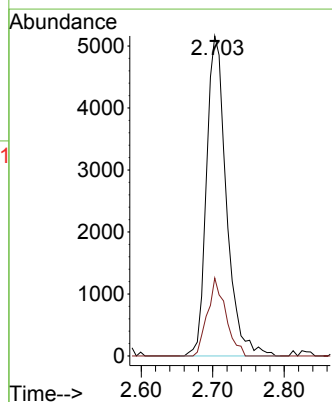
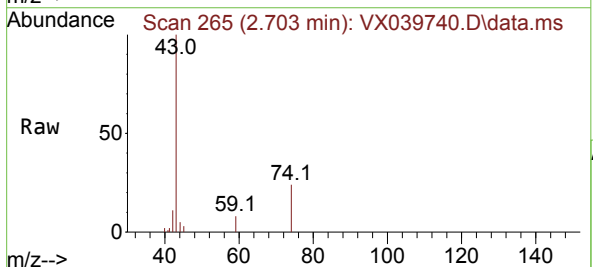
Instrument :
MSVOA_X
ClientSampleId :

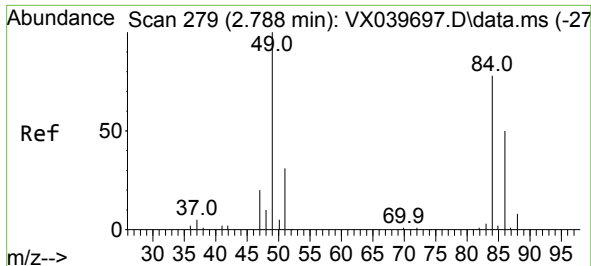
Tgt Ion: 43 Resp: 20840
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9



#18
Methyl Acetate
Concen: 5.260 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

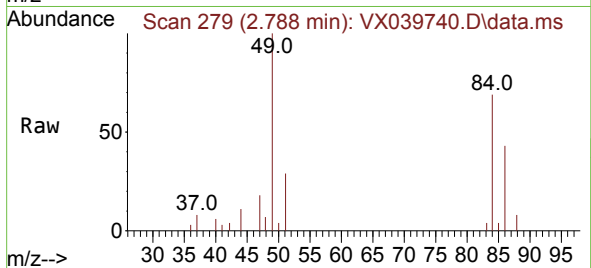
Tgt Ion: 43 Resp: 9965
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



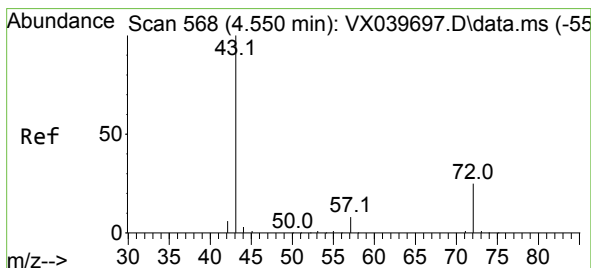
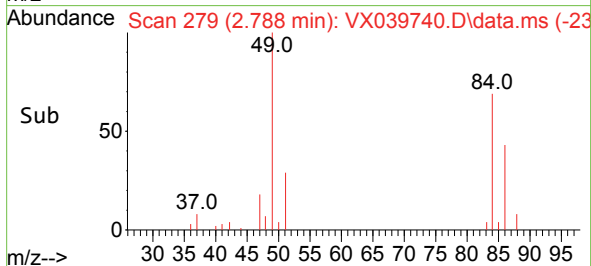
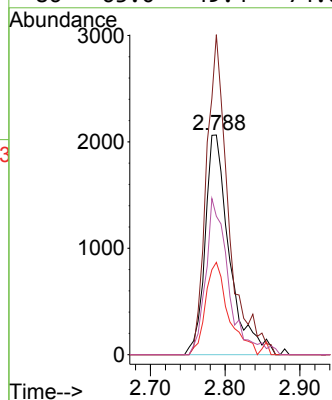


#20
Methylene Chloride
Concen: 3.404 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Instrument :
MSVOA_X
ClientSampleId :

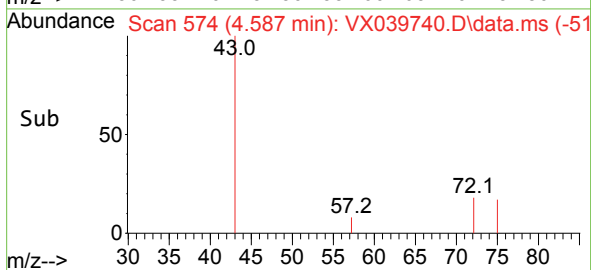
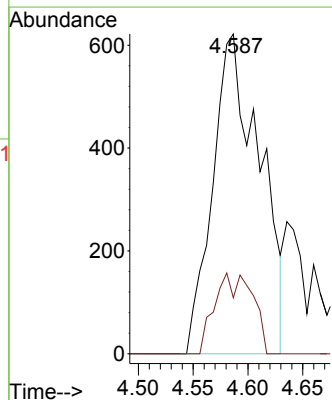
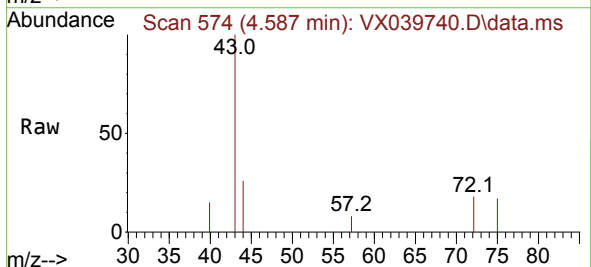


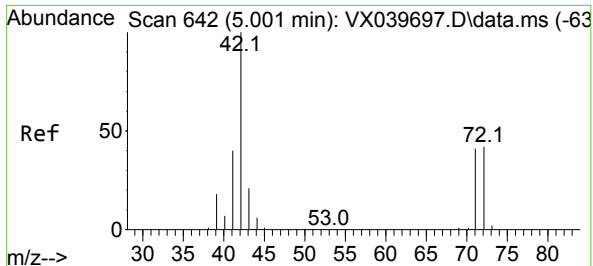
Tgt Ion: 84	Resp: 4663
Ion Ratio	Lower Upper
84 100	
49 145.6	103.6 155.4
51 42.0	33.8 50.6
86 63.0	49.4 74.0



#25
2-Butanone
Concen: 1.421 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.037 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Tgt Ion: 43	Resp: 1849
Ion Ratio	Lower Upper
43 100	
72 17.5	19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.498 ug/l

RT: 5.032 min Scan# 642

Delta R.T. 0.031 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

ClientSampleId :

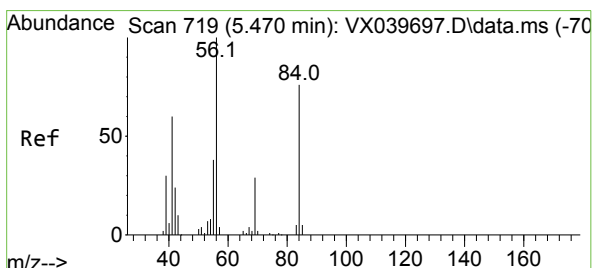
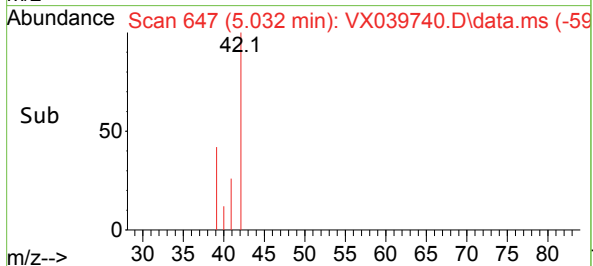
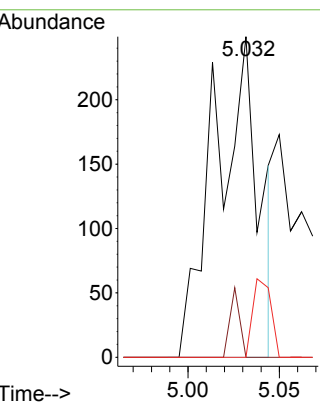
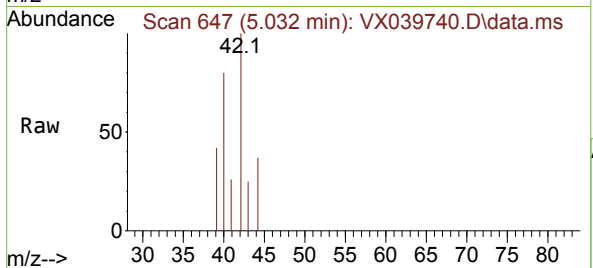
Tgt Ion: 42 Resp: 417

Ion Ratio Lower Upper

42 100

72 4.8 34.2 51.4#

71 10.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.269 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

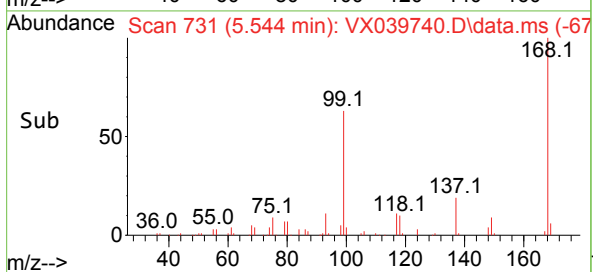
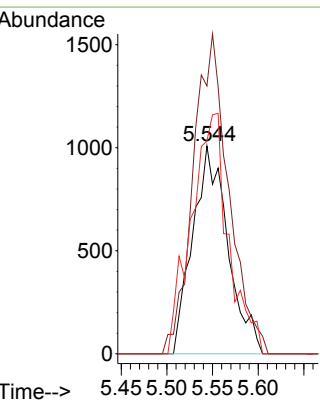
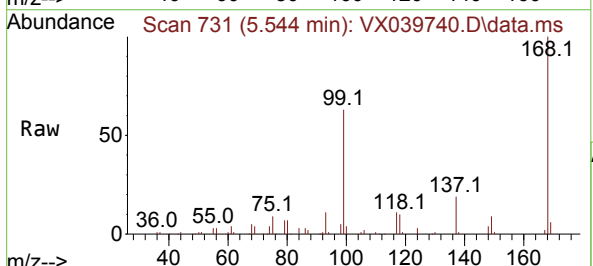
Tgt Ion: 56 Resp: 2697

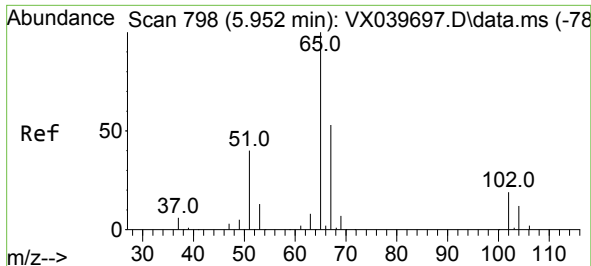
Ion Ratio Lower Upper

56 100

69 128.8 23.4 35.2#

84 102.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 45.581 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

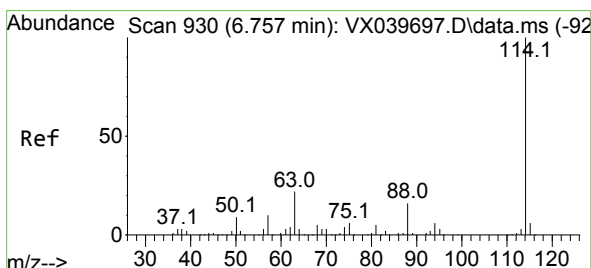
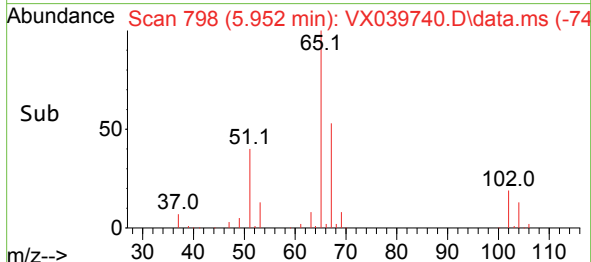
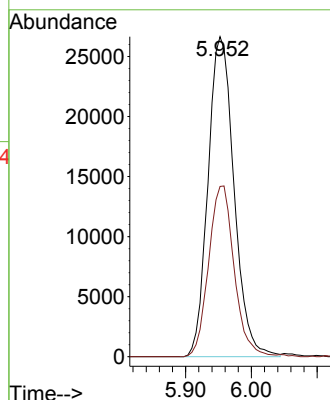
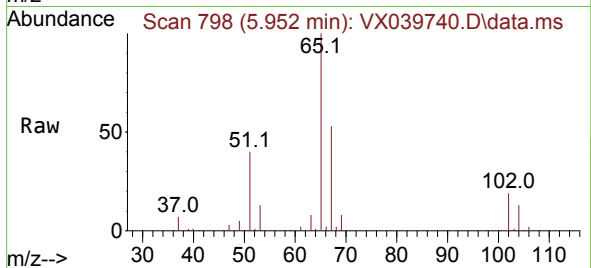
ClientSampleId :

Tgt Ion: 65 Resp: 73394

Ion Ratio Lower Upper

65 100

67 52.6 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: VX039740.D

Acq: 12 Jan 2024 16:23

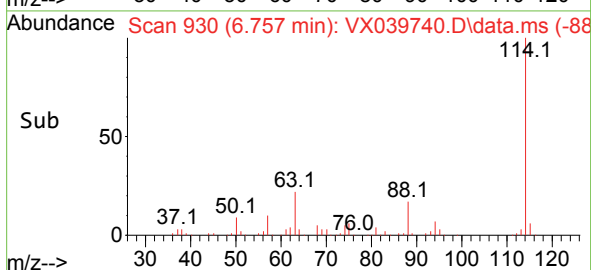
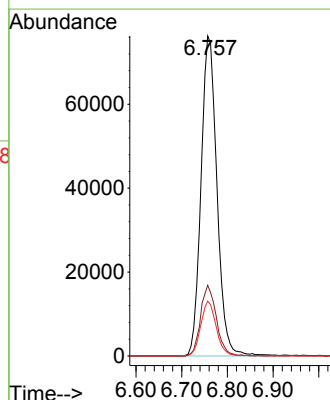
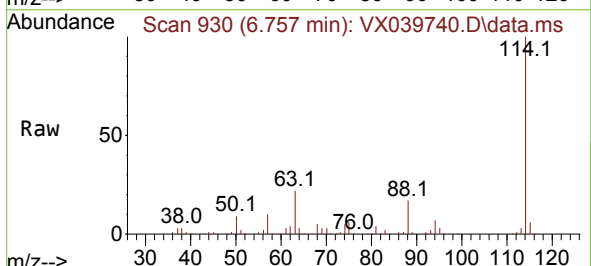
Tgt Ion: 114 Resp: 184387

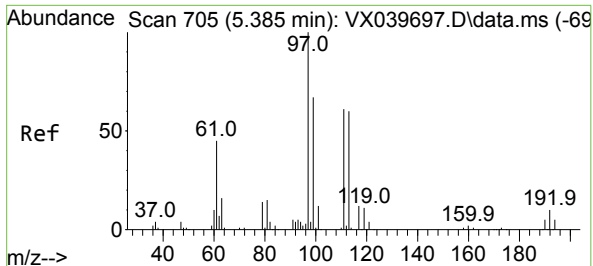
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

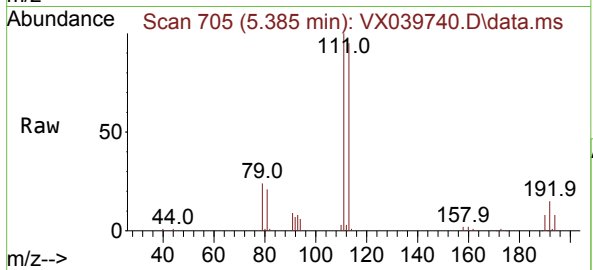
88 17.1 0.0 36.6



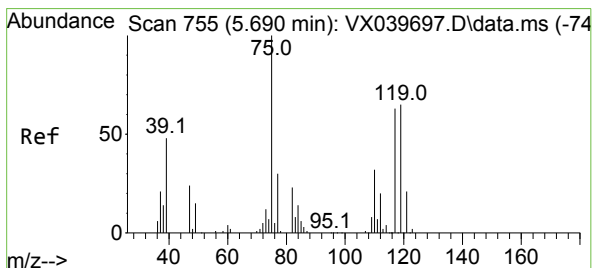
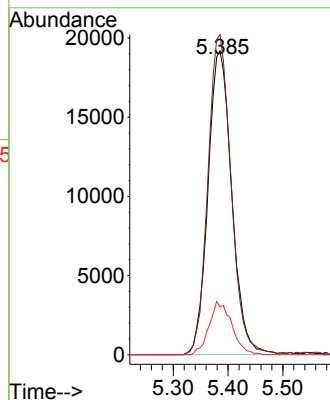
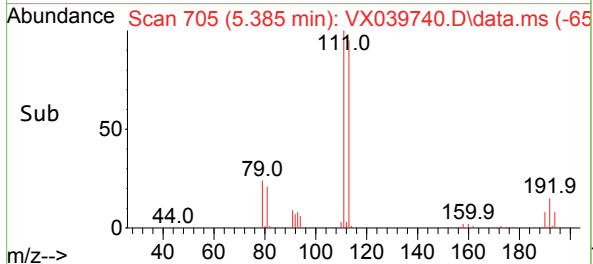


#35
Dibromofluoromethane
Concen: 46.517 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Instrument :
MSVOA_X
ClientSampleId :

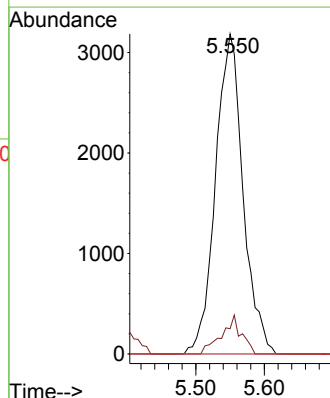
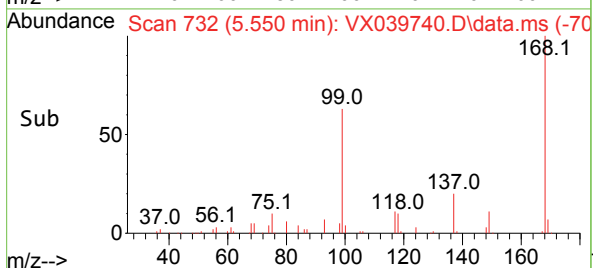
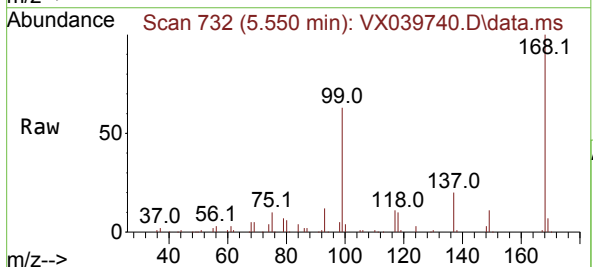


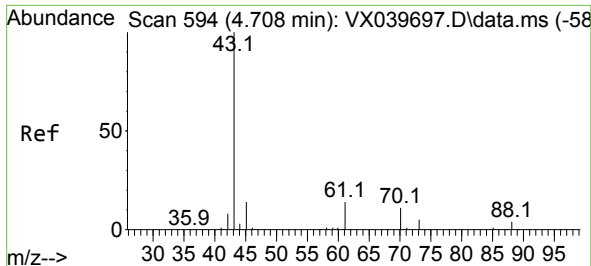
Tgt Ion:113 Resp: 57771
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.597 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Tgt Ion: 75 Resp: 8886
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.043 ug/l

RT: 4.733 min Scan# 594

Delta R.T. 0.025 min

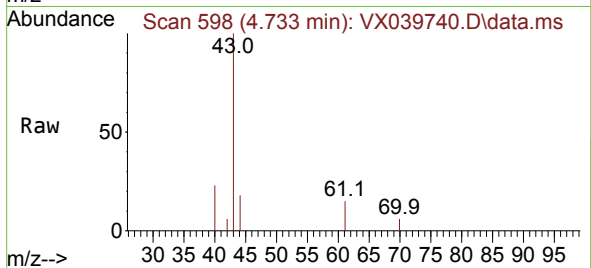
Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

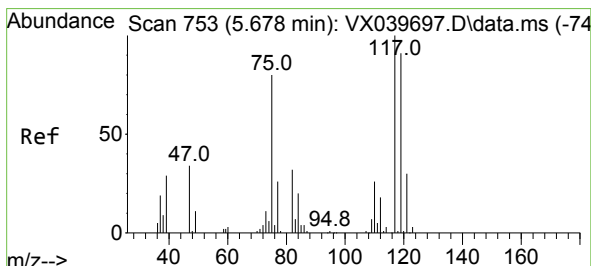
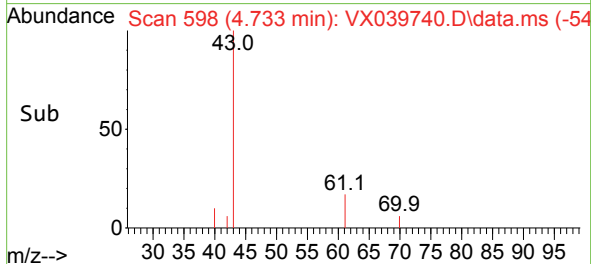
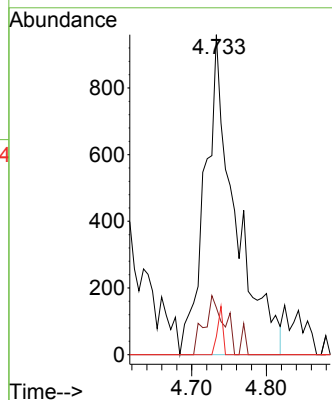
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2690
Ion Ratio	Lower Upper
43	100
61	12.0 10.6 16.0
70	2.7 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.937 ug/l

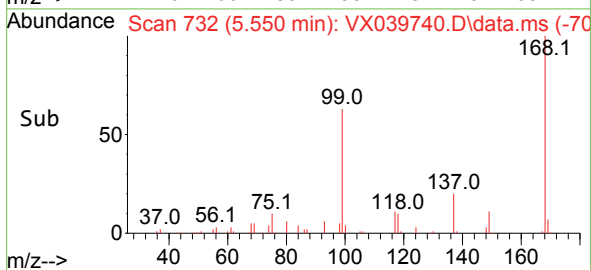
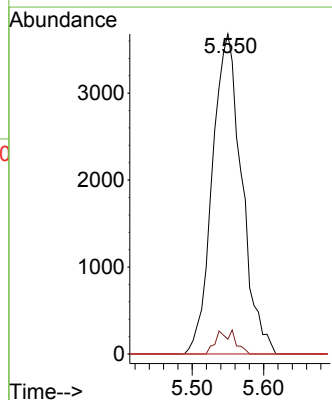
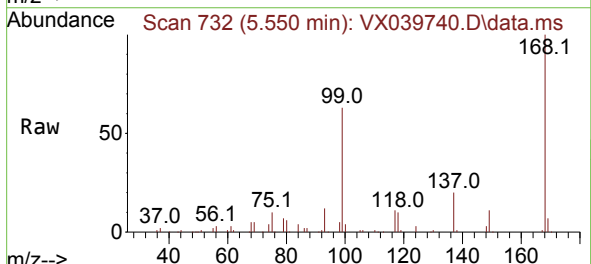
RT: 5.550 min Scan# 732

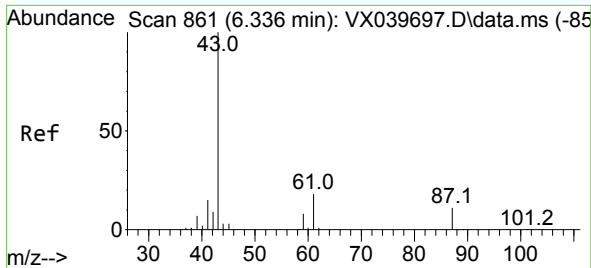
Delta R.T. -0.128 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Tgt Ion: 117	Resp: 10512
Ion Ratio	Lower Upper
117	100
119	4.6 78.2 117.2
121	0.0 24.4 36.6

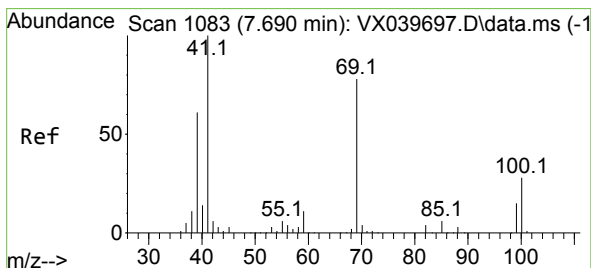
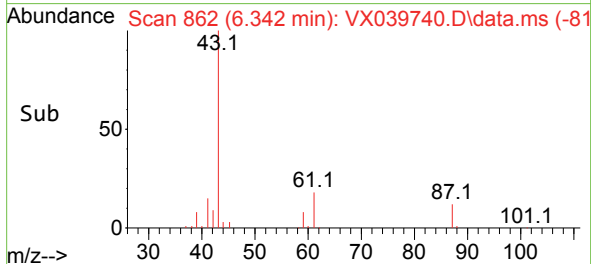
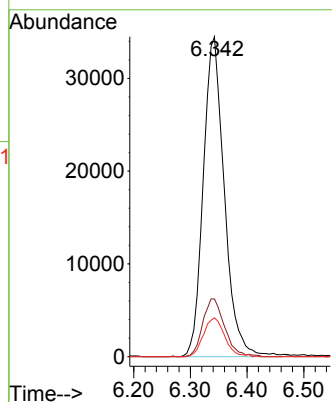
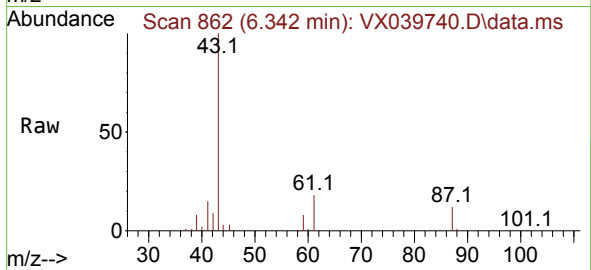




#43
Isopropyl Acetate
Concen: 23.552 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

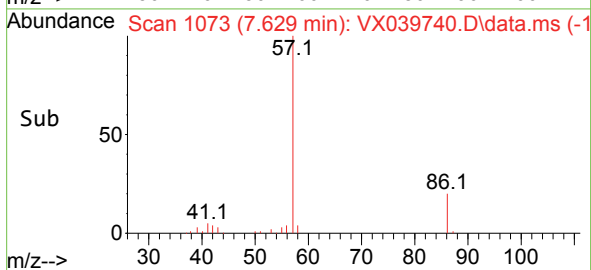
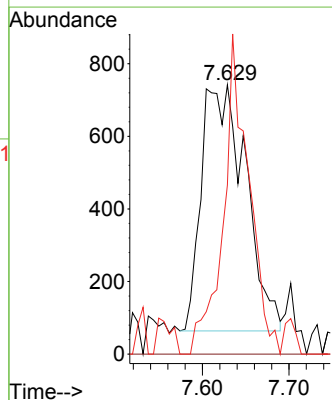
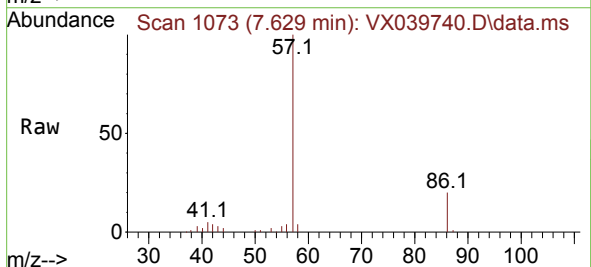
Instrument :
MSVOA_X
ClientSampleId :

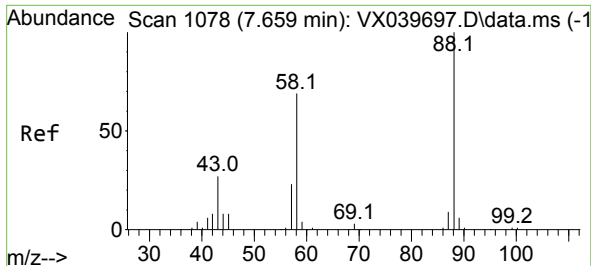
Tgt Ion: 43 Resp: 89101
Ion Ratio Lower Upper
43 100
61 18.8 15.2 22.8
87 12.3 9.8 14.6



#48
Methyl methacrylate
Concen: 1.293 ug/l
RT: 7.629 min Scan# 1073
Delta R.T. -0.061 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Tgt Ion: 41 Resp: 2405
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 74.8 47.7 71.5#





#49

1,4-Dioxane

Concen: 1.529 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

ClientSampleId :

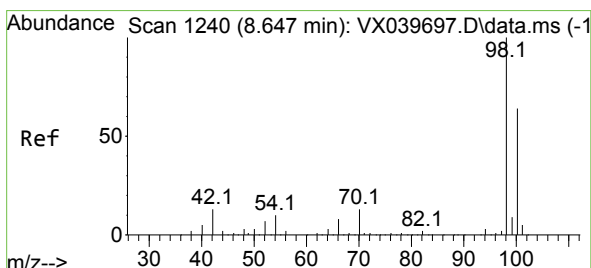
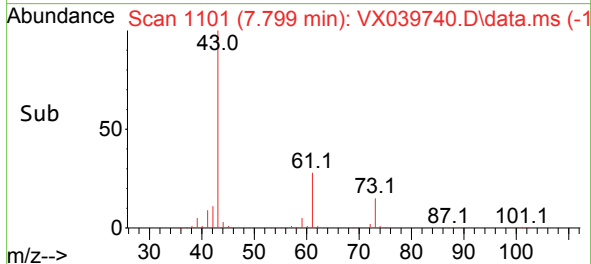
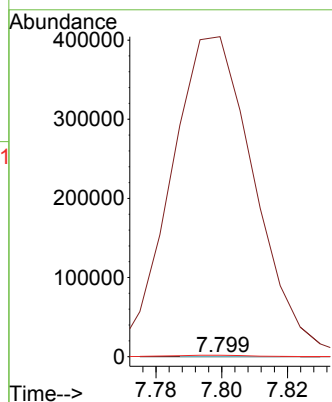
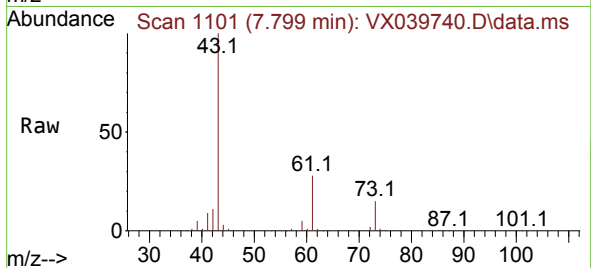
Tgt Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 1328189.1 0.0 0.0#

58 6001.8 60.1 90.1#



#50

Toluene-d8

Concen: 48.696 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039740.D

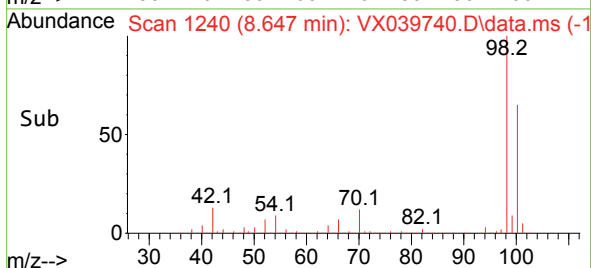
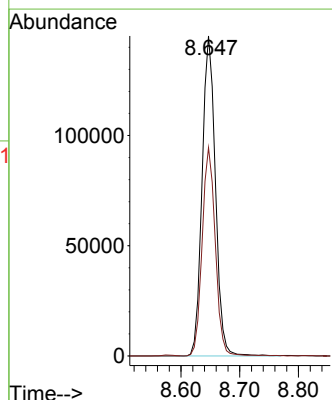
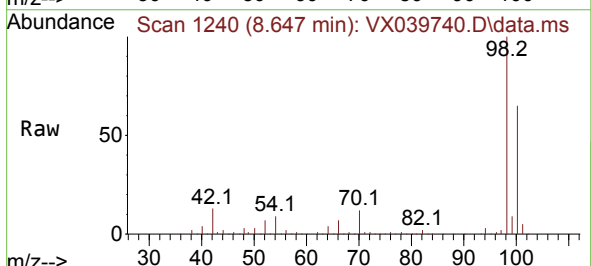
Acq: 12 Jan 2024 16:23

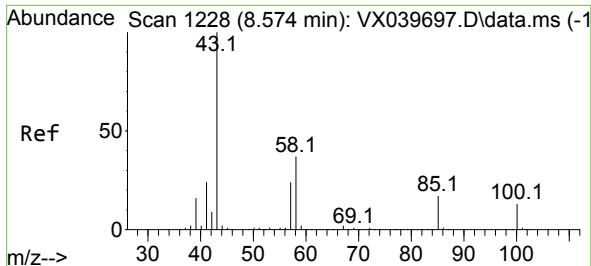
Tgt Ion: 98 Resp: 228094

Ion Ratio Lower Upper

98 100

100 64.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 25.188 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

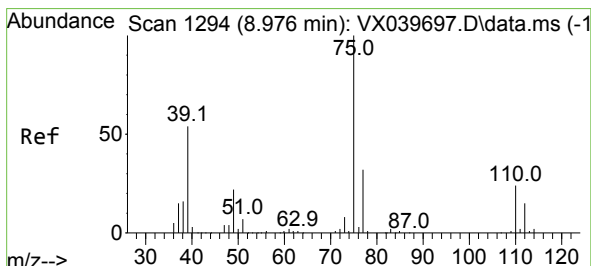
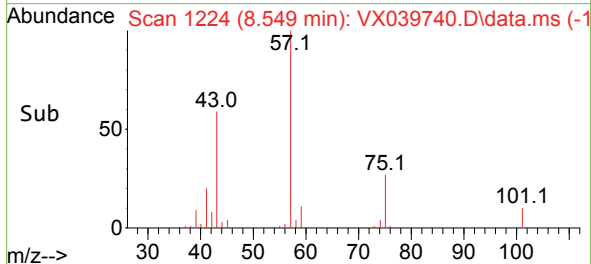
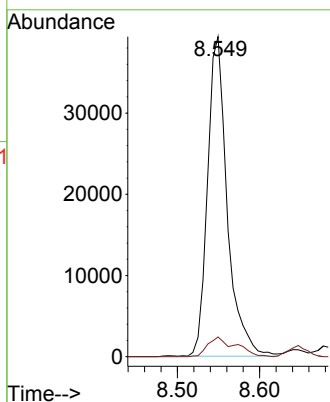
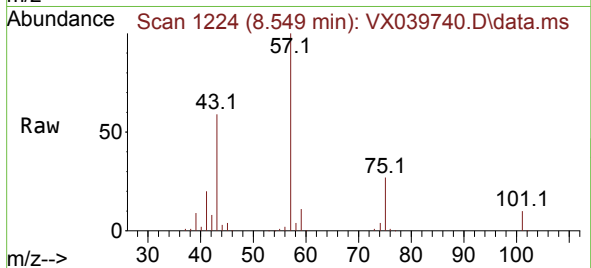
ClientSampleId :

Tgt Ion: 43 Resp: 65628

Ion Ratio Lower Upper

43 100

58 8.8 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.205 ug/l

RT: 8.946 min Scan# 1289

Delta R.T. -0.030 min

Lab File: VX039740.D

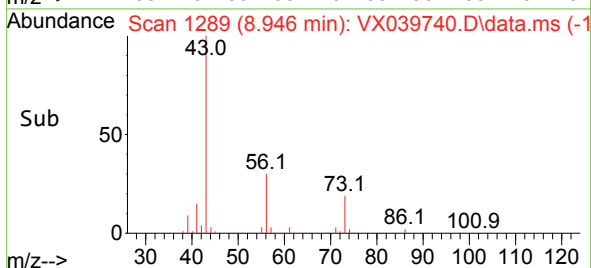
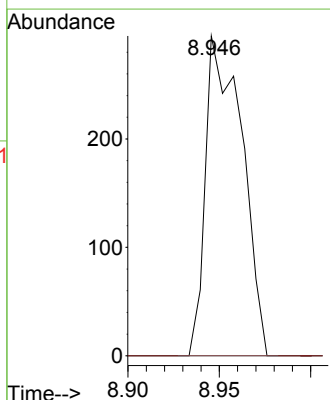
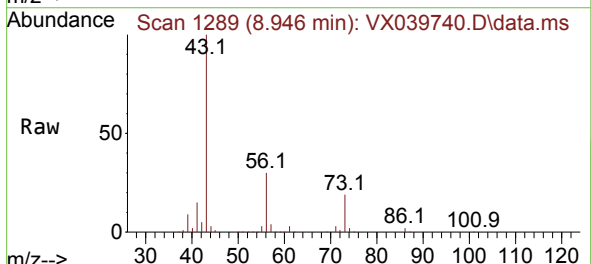
Acq: 12 Jan 2024 16:23

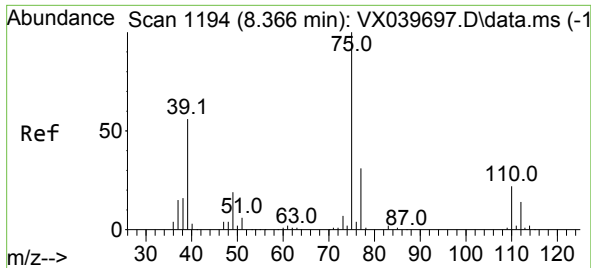
Tgt Ion: 75 Resp: 409

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

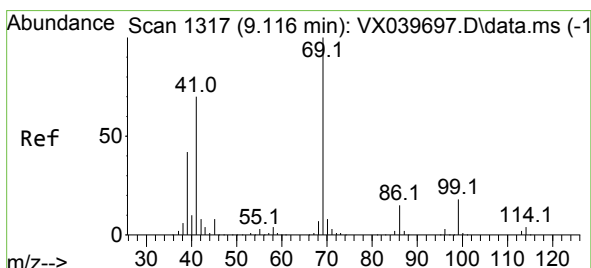
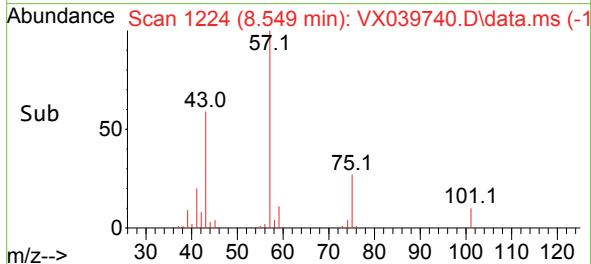
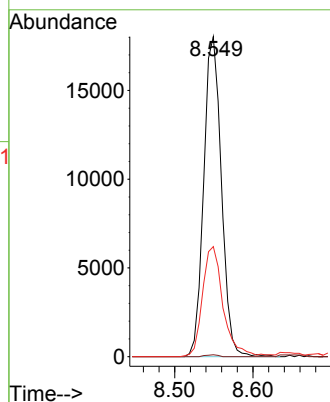
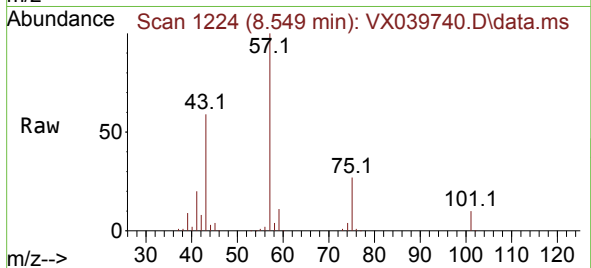




#54
cis-1,3-Dichloropropene
Concen: 12.883 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

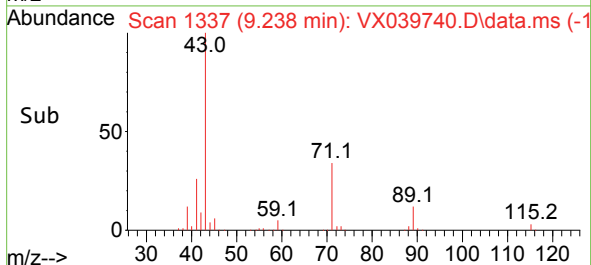
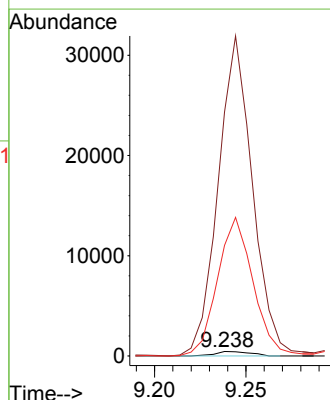
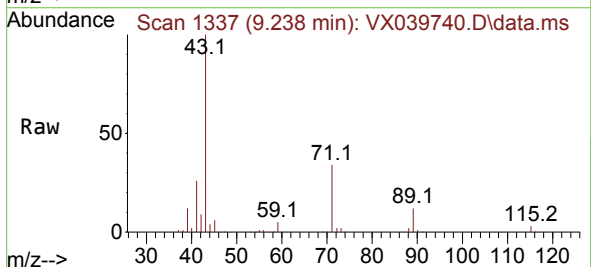
Instrument :
MSVOA_X
ClientSampleId :

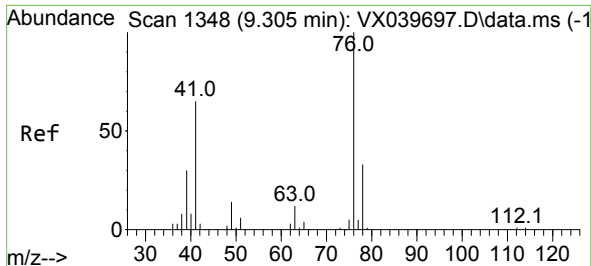
Tgt Ion: 75 Resp: 28235
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 34.4 46.7 70.1#



#56
Ethyl methacrylate
Concen: 0.265 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.122 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Tgt Ion: 69 Resp: 597
Ion Ratio Lower Upper
69 100
41 7020.9 56.8 85.2#
39 3157.3 32.0 48.0#





#57

1,3-Dichloropropane

Concen: 1.456 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.177 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

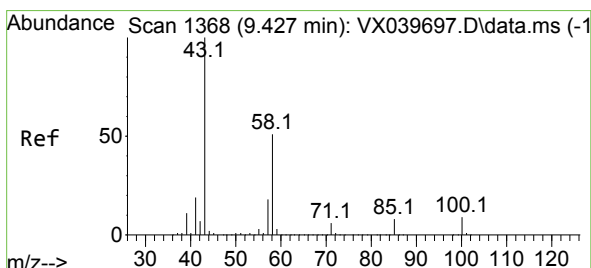
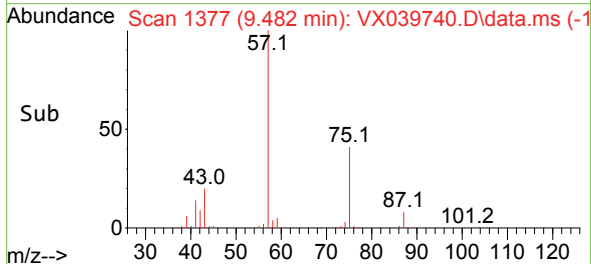
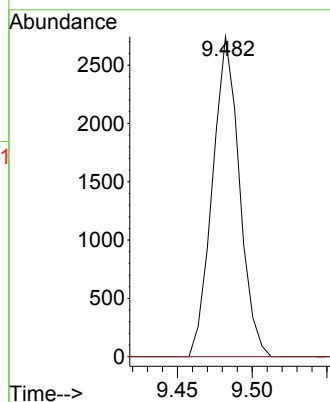
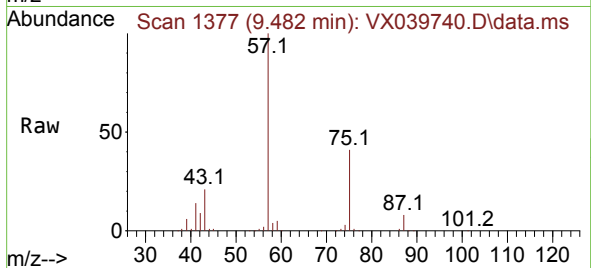
ClientSampleId :

Tgt Ion: 76 Resp: 3435

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 40.422 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX039740.D

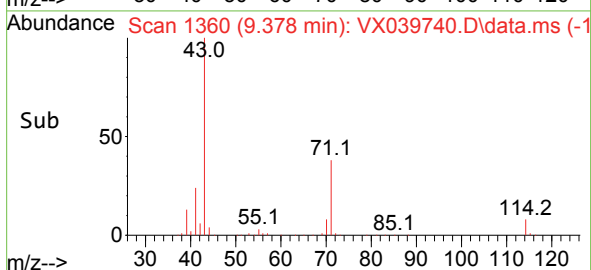
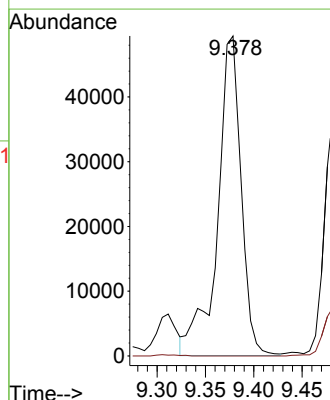
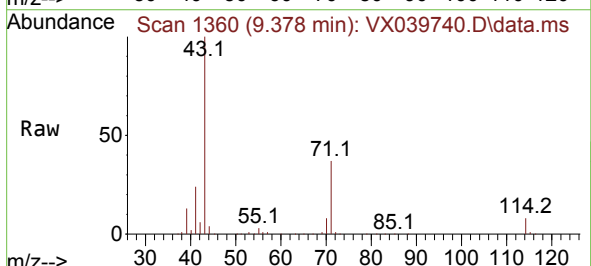
Acq: 12 Jan 2024 16:23

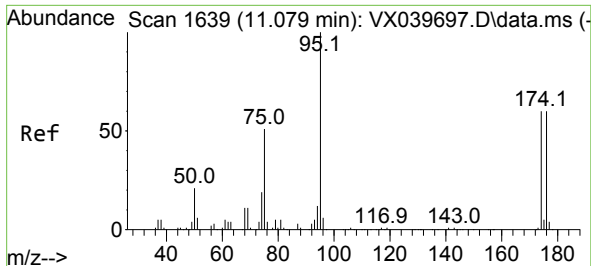
Tgt Ion: 43 Resp: 83354

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

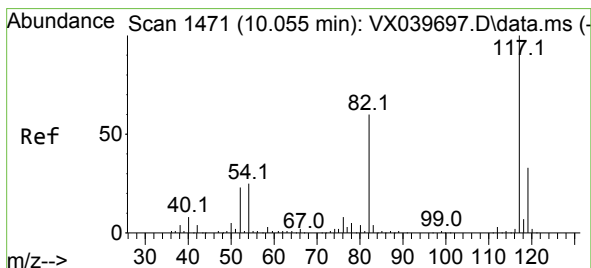
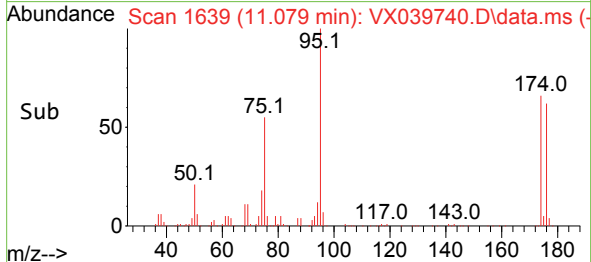
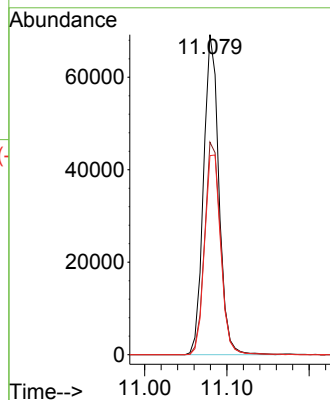
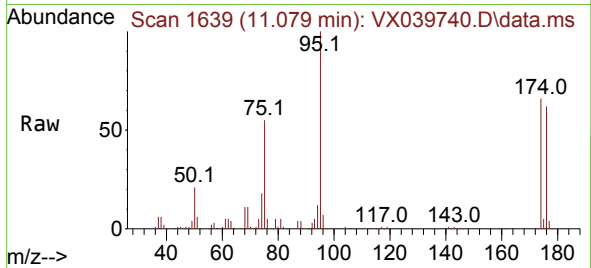




#62
4-Bromofluorobenzene
Concen: 48.982 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

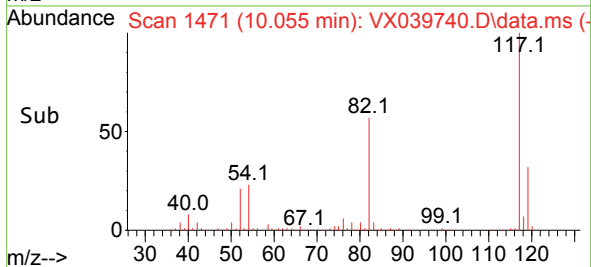
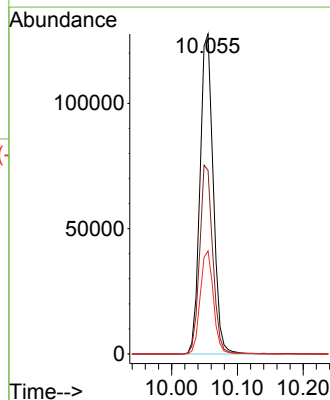
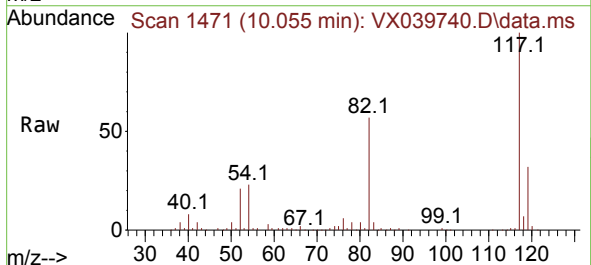
Instrument :
MSVOA_X
ClientSampleId :

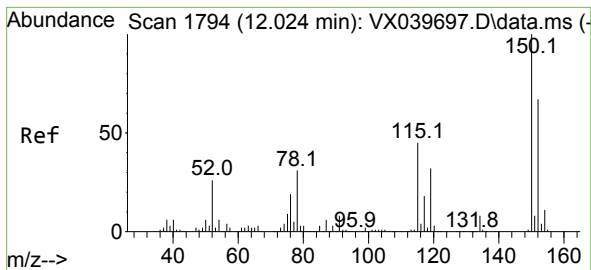
Tgt Ion: 95 Resp: 89719
Ion Ratio Lower Upper
95 100
174 69.3 0.0 135.6
176 66.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039740.D
Acq: 12 Jan 2024 16:23

Tgt Ion: 117 Resp: 178511
Ion Ratio Lower Upper
117 100
82 57.4 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: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

ClientSampleId :

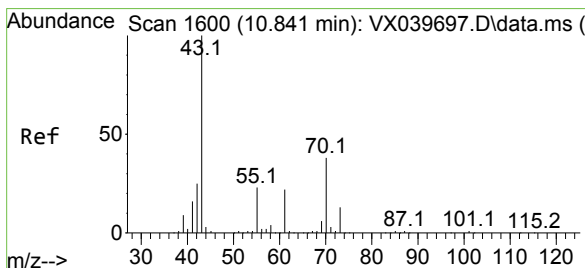
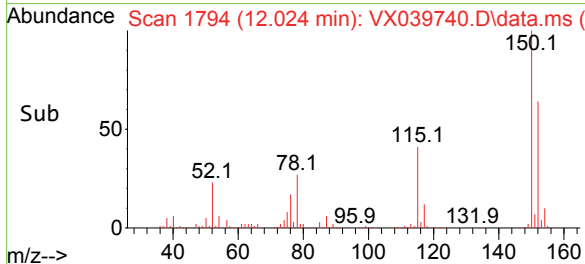
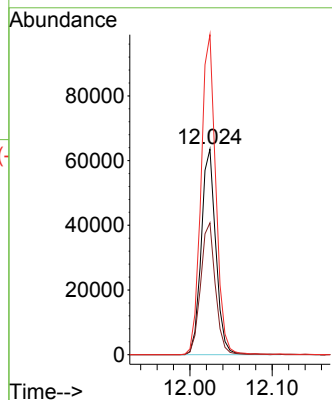
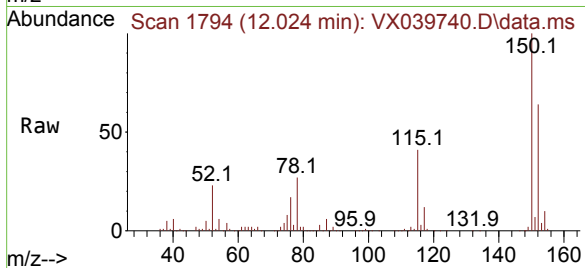
Tgt Ion:152 Resp: 78301

Ion Ratio Lower Upper

152 100

115 65.0 43.3 129.9

150 158.1 0.0 345.0



#74

N-ethyl acetate

Concen: 4.066 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Tgt Ion: 43 Resp: 13211

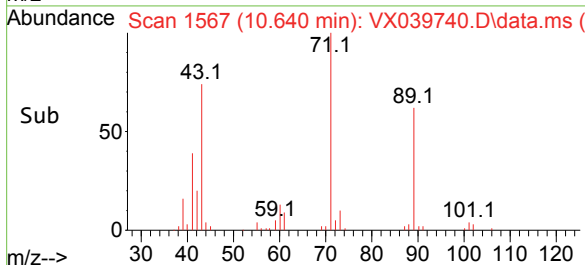
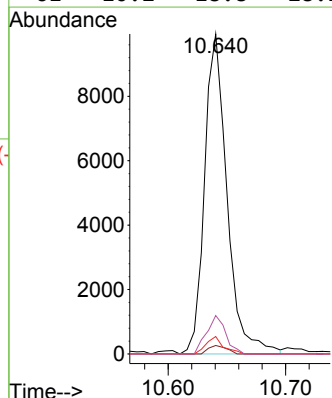
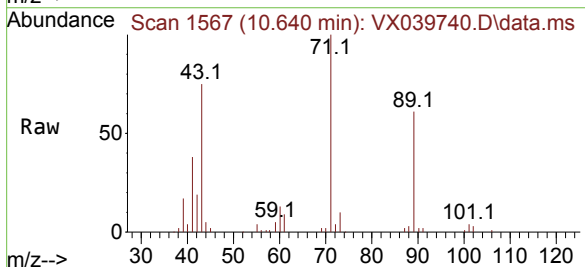
Ion Ratio Lower Upper

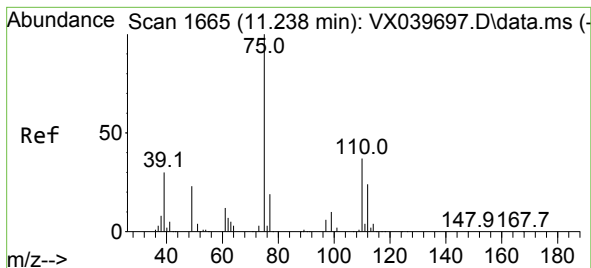
43 100

70 2.1 32.9 49.3#

55 4.2 19.3 28.9#

61 10.2 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.539 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Instrument :

MSVOA_X

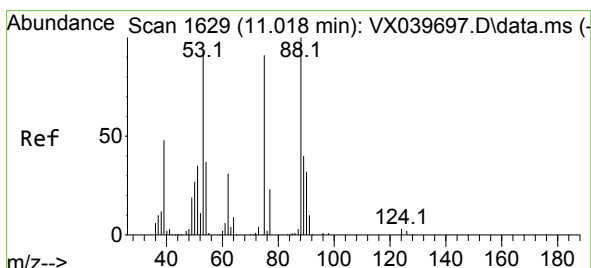
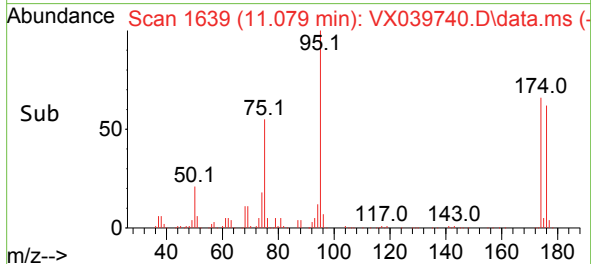
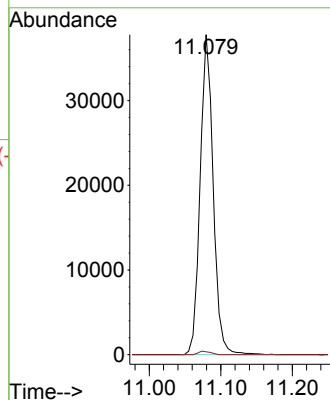
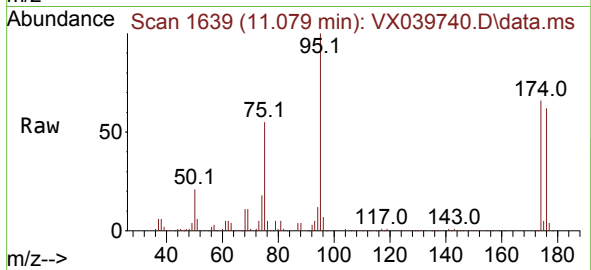
ClientSampleId :

Tgt Ion: 75 Resp: 47785

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.795 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039740.D

Acq: 12 Jan 2024 16:23

Tgt Ion: 75 Resp: 47785

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

