

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042269.D
 Acq On : 10 Jul 2024 15:57
 Operator : JC/MD
 Sample : PB161974TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

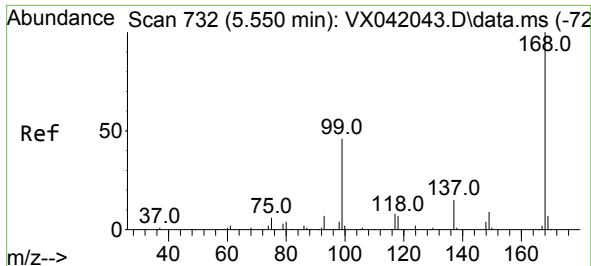
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 00:58:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

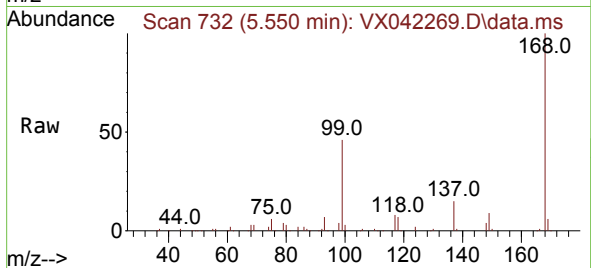
Internal Standards						
1) Pentafluorobenzene	5.550	168	163374	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	265421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	108143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	115183	61.140	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 122.280%#		
35) Dibromofluoromethane	5.385	113	106847	56.734	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 113.460%		
50) Toluene-d8	8.647	98	328564	49.661	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 99.320%		
62) 4-Bromofluorobenzene	11.079	95	119846	49.140	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.280%		
Target Compounds						
						Qvalue
6) Chloroethane	1.666	64	102	Below Cal	#	43
11) Tert butyl alcohol	2.989	59	149	0.417	ug/l #	78
13) Acrolein	2.252	56	91	0.227	ug/l #	14
16) Acetone	2.392	43	45850	55.426	ug/l	90
18) Methyl Acetate	2.715	43	4262	1.889	ug/l	97
20) Methylene Chloride	2.788	84	7892	4.357	ug/l #	85
25) 2-Butanone	4.586	43	4991	3.878	ug/l	96
29) Tetrahydrofuran	5.044	42	175	0.211	ug/l #	34
31) Cyclohexane	5.550	56	2122	0.963	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9131	4.566	ug/l #	51
37) Ethyl Acetate	4.739	43	2189	0.840	ug/l #	90
38) Carbon Tetrachloride	5.550	117	13588	6.149	ug/l #	15
43) Isopropyl Acetate	6.348	43	98937	24.742	ug/l #	94
48) Methyl methacrylate	7.799	41	86577	45.366	ug/l #	45
49) 1,4-Dioxane	7.799	88	148	22.804	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	73932	26.840	ug/l #	48
53) t-1,3-Dichloropropene	8.952	75	683	1.185	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39072	16.086	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	5381	1.861	ug/l #	42
59) 2-Hexanone	9.482	43	63467	30.083	ug/l #	57
74) N-amyl acetate	10.817	43	640	0.219	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	55381	28.209	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55381	80.111	ug/l #	5
95) Naphthalene	13.786	128	198	0.773	ug/l #	69

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

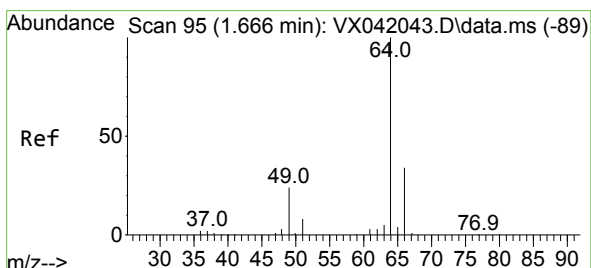
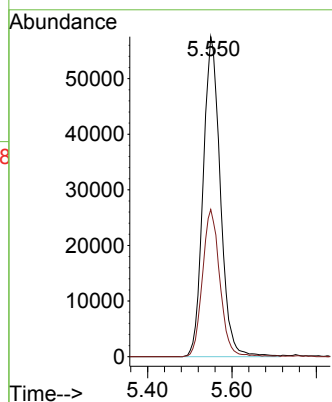
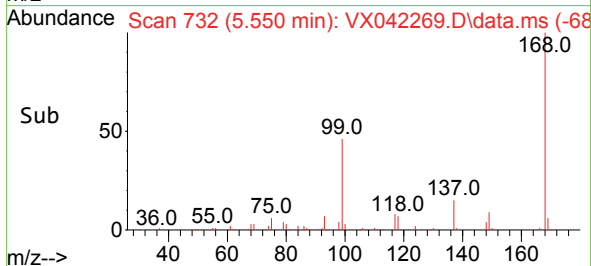


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

Instrument :
MSVOA_X
ClientSampleId :

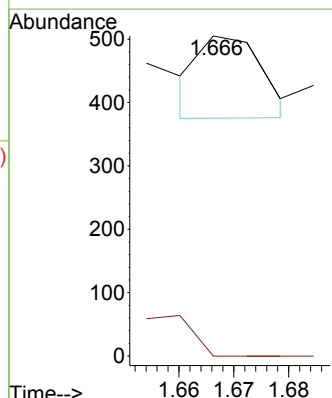
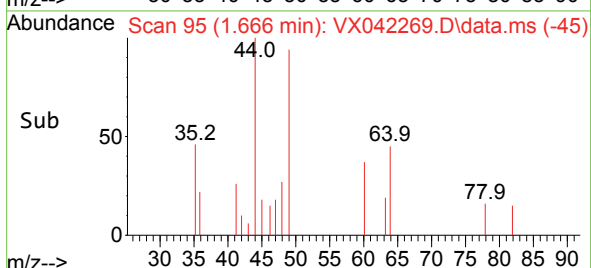
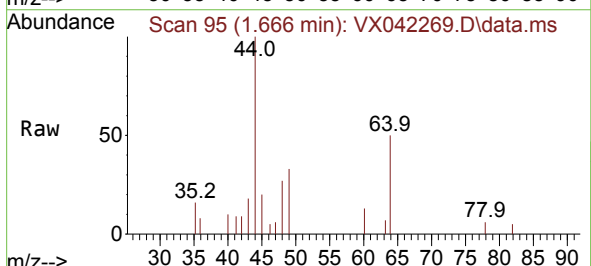


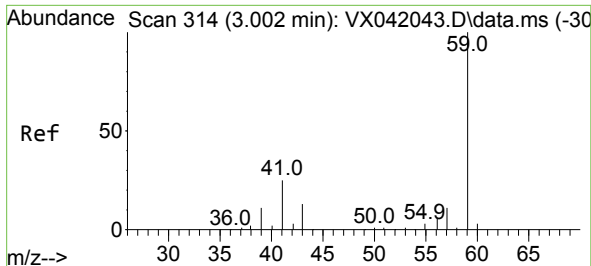
Tgt Ion:168 Resp: 163374
Ion Ratio Lower Upper
168 100
99 46.0 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. 0.006 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

Tgt Ion: 64 Resp: 102
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.417 ug/l

RT: 2.989 min Scan# 314

Delta R.T. -0.018 min

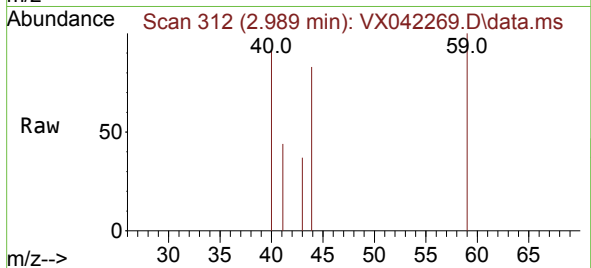
Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

Instrument :

MSVOA_X

ClientSampleId :

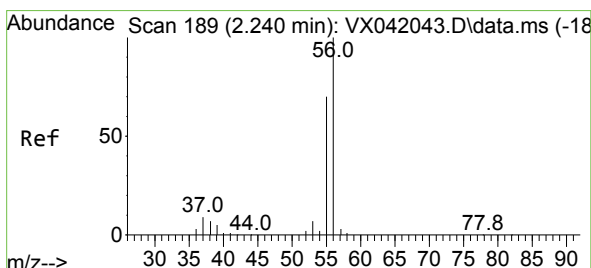
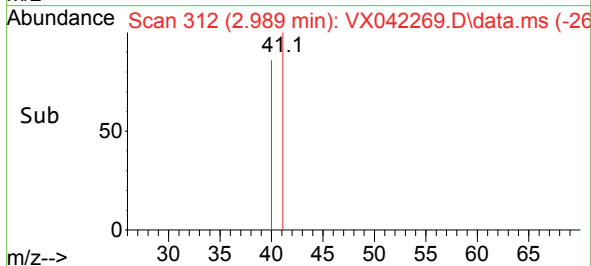
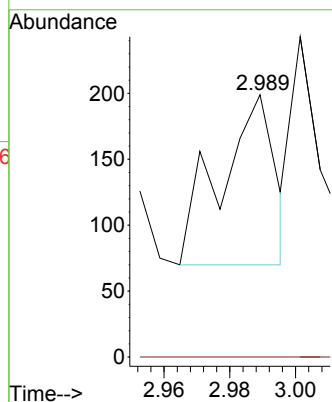


Tgt Ion: 59 Resp: 149

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.227 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.012 min

Lab File: VX042269.D

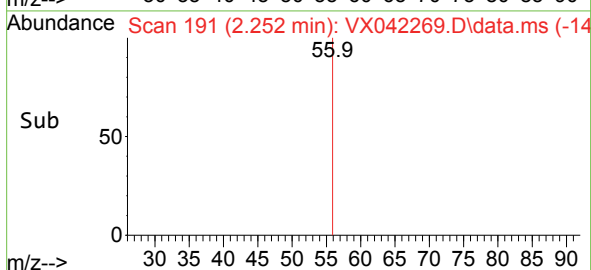
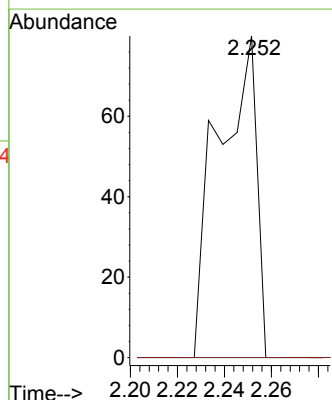
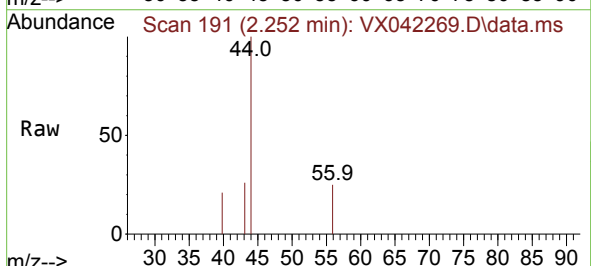
Acq: 10 Jul 2024 15:57

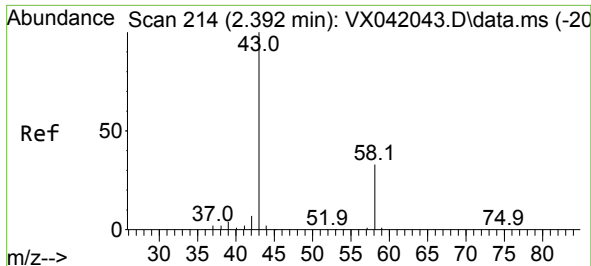
Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#





#16

Acetone

Concen: 55.426 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

Instrument :

MSVOA_X

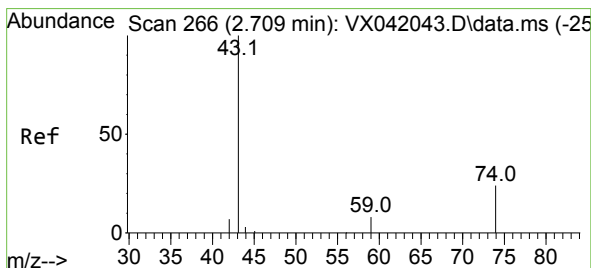
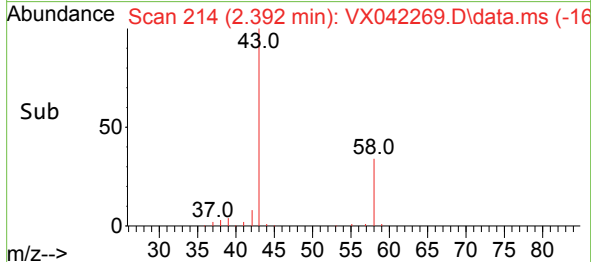
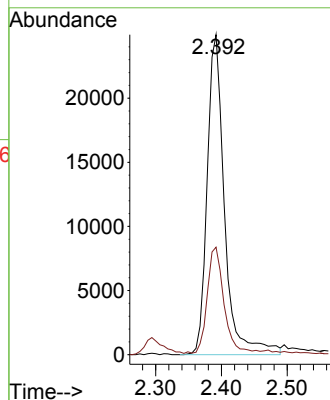
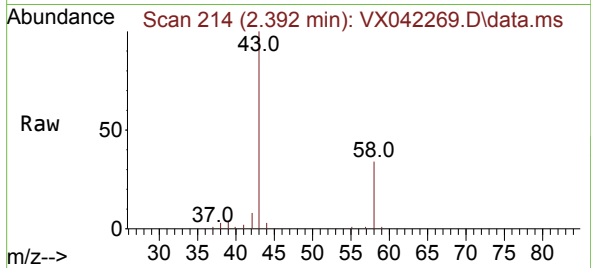
ClientSampleId :

Tgt Ion: 43 Resp: 45850

Ion Ratio Lower Upper

43 100

58 32.8 21.9 32.9



#18

Methyl Acetate

Concen: 1.889 ug/l

RT: 2.715 min Scan# 267

Delta R.T. 0.006 min

Lab File: VX042269.D

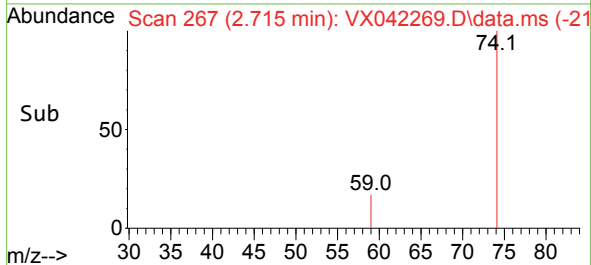
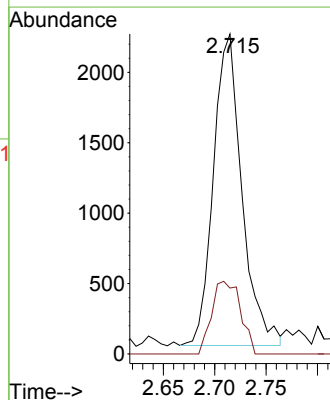
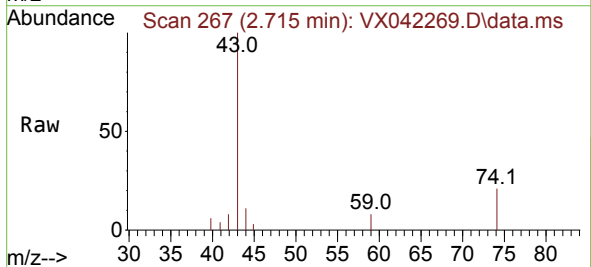
Acq: 10 Jul 2024 15:57

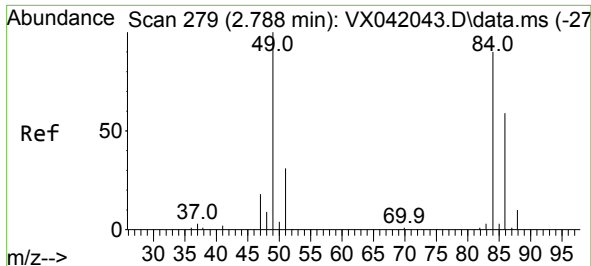
Tgt Ion: 43 Resp: 4262

Ion Ratio Lower Upper

43 100

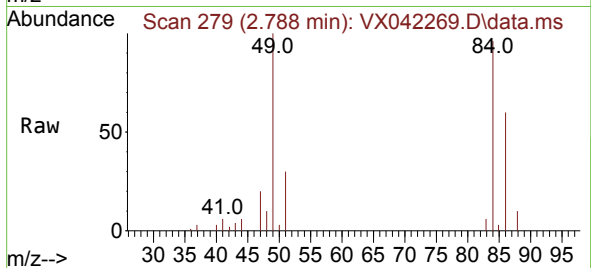
74 23.5 17.8 26.8



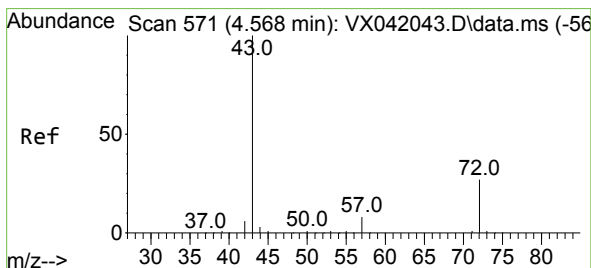
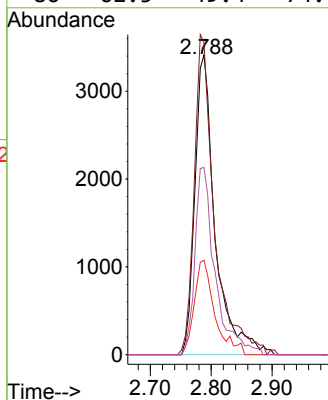


#20
Methylene Chloride
Concen: 4.357 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

Instrument :
MSVOA_X
ClientSampleId :

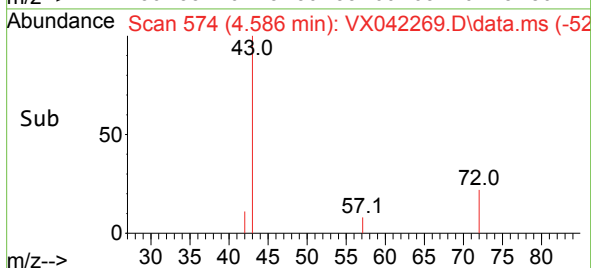
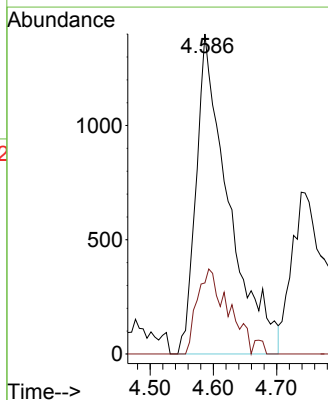
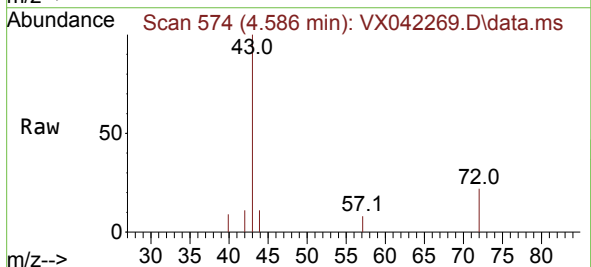


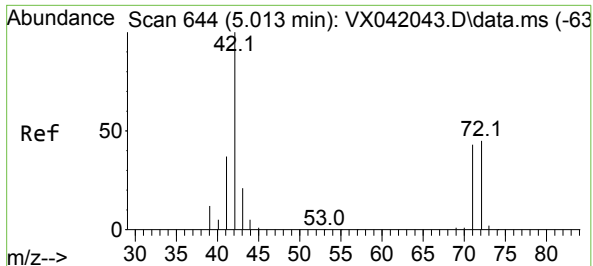
Tgt Ion: 84	Resp: 7892
Ion Ratio	Lower Upper
84 100	
49 104.3	103.6 155.4
51 31.5	33.8 50.6#
86 62.5	49.4 74.0



#25
2-Butanone
Concen: 3.878 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.012 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

Tgt Ion: 43	Resp: 4991
Ion Ratio	Lower Upper
43 100	
72 22.2	19.4 29.2





#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.024 min

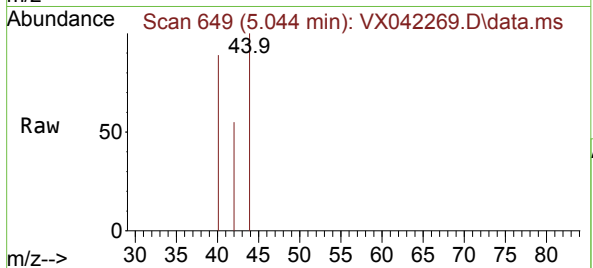
Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

Instrument :

MSVOA_X

ClientSampleId :



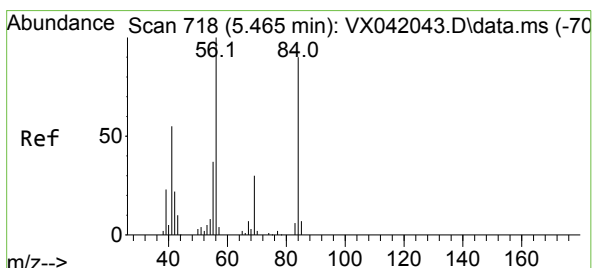
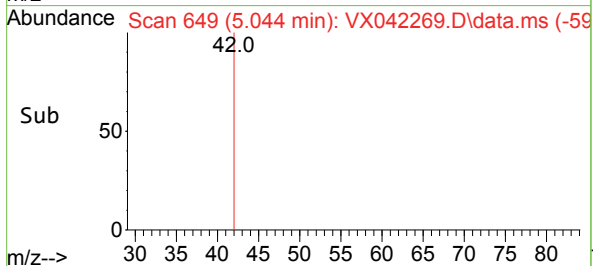
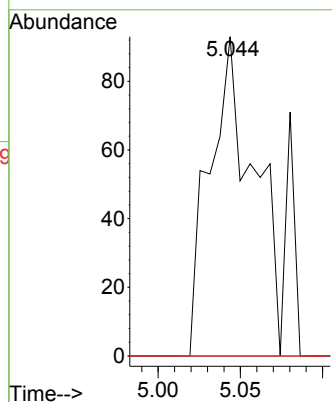
Tgt Ion: 42 Resp: 175

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 0.963 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

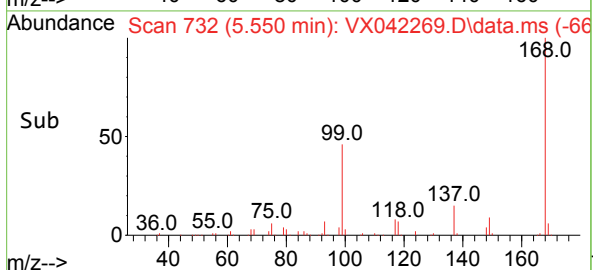
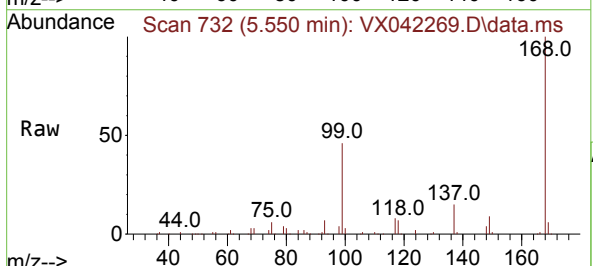
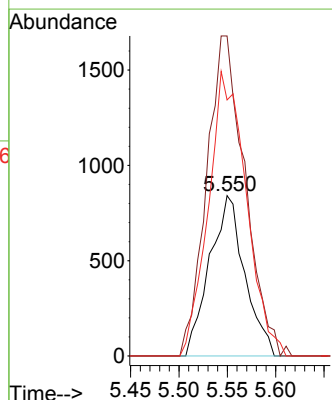
Tgt Ion: 56 Resp: 2122

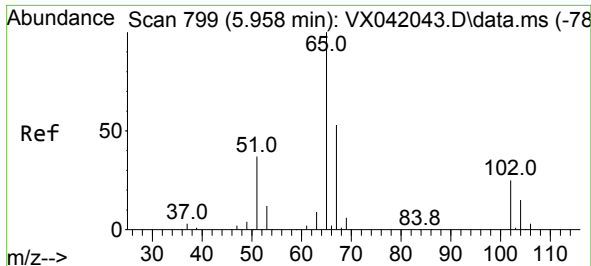
Ion Ratio Lower Upper

56 100

69 199.6 23.4 35.2#

84 159.7 65.9 98.9#

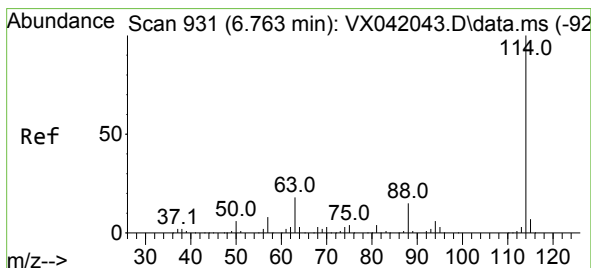
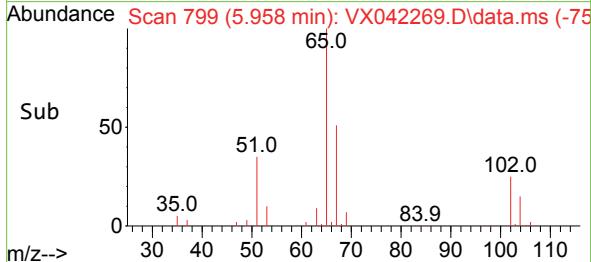
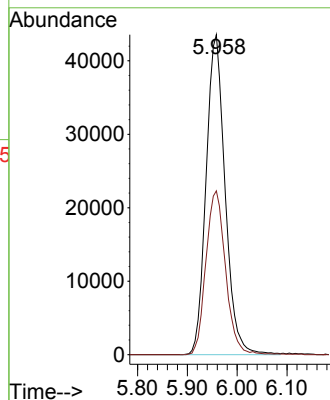
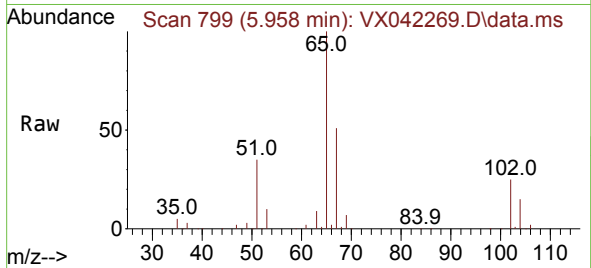




#33
1,2-Dichloroethane-d4
Concen: 61.140 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

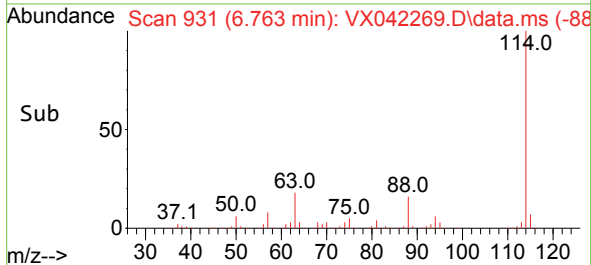
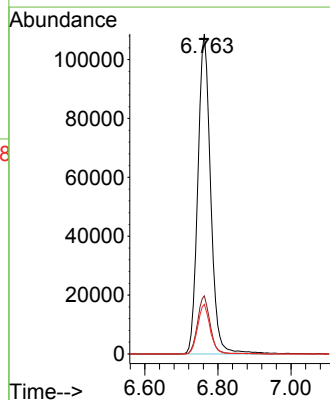
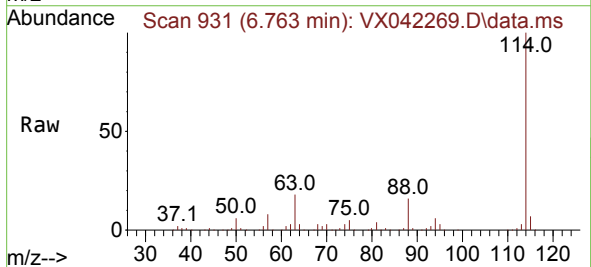
Instrument :
MSVOA_X
ClientSampleId :

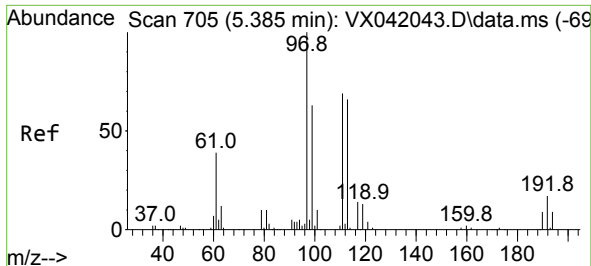
Tgt Ion: 65 Resp: 115183
Ion Ratio Lower Upper
65 100
67 53.1 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

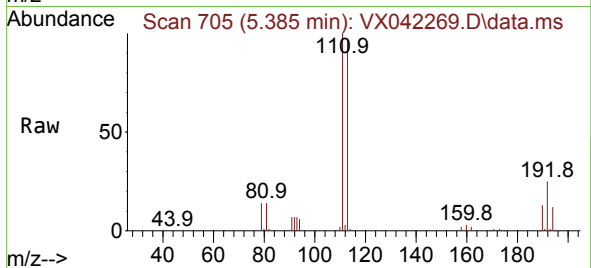
Tgt Ion: 114 Resp: 265421
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 15.5 0.0 36.6



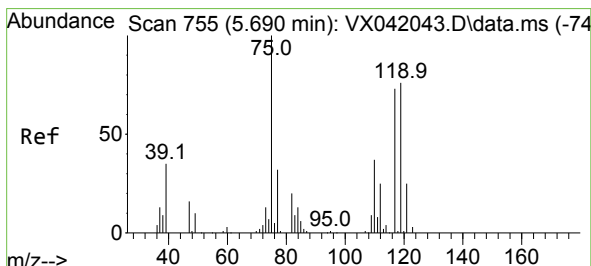
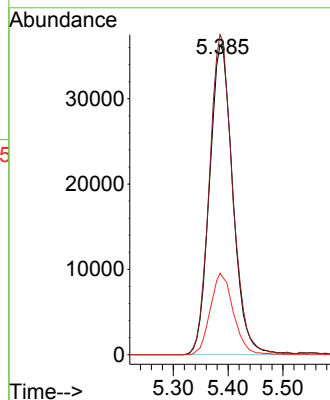
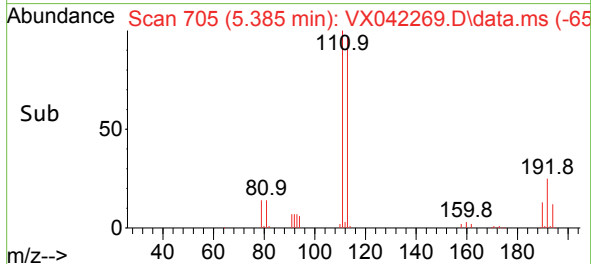


#35
Dibromofluoromethane
Concen: 56.734 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

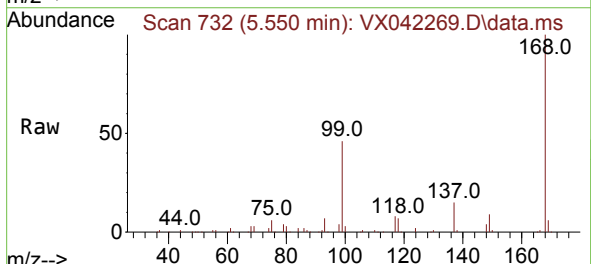
Instrument :
MSVOA_X
ClientSampleId :



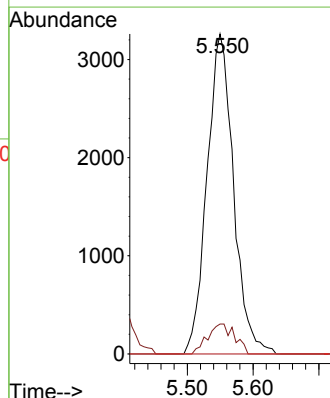
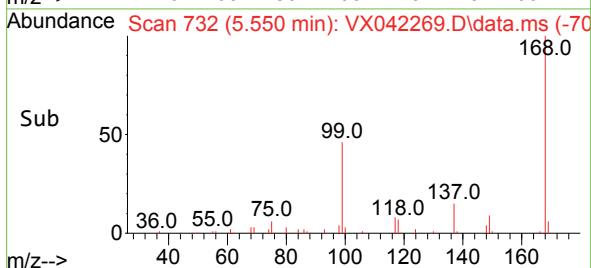
Tgt Ion:113 Resp: 106847
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 26.1 13.3 19.9#

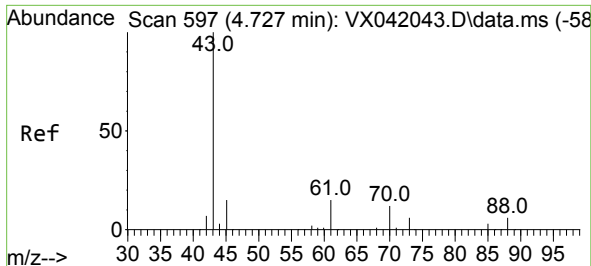


#36
1,1-Dichloropropene
Concen: 4.566 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57



Tgt Ion: 75 Resp: 9131
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.840 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.012 min

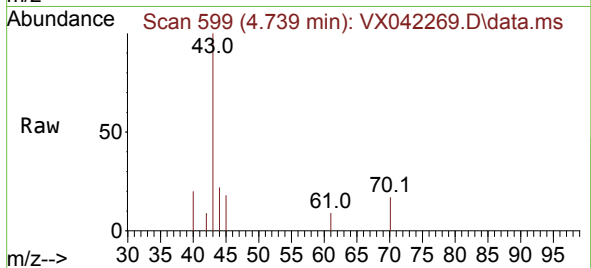
Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

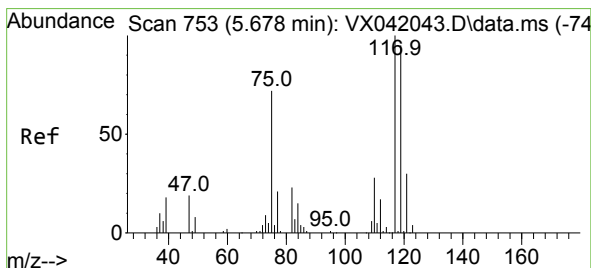
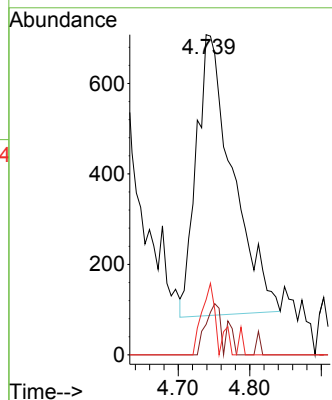
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2189
Ion Ratio	Lower Upper
43	100
61	7.2 10.6 16.0#
70	8.9 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.149 ug/l

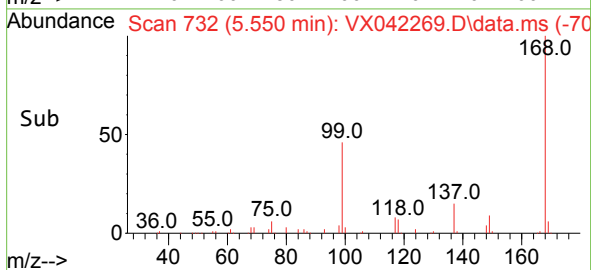
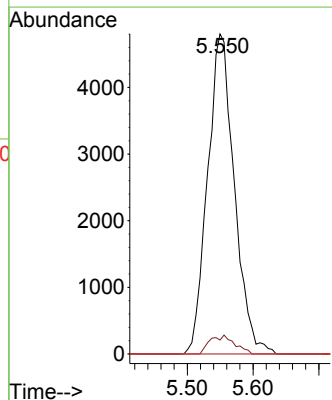
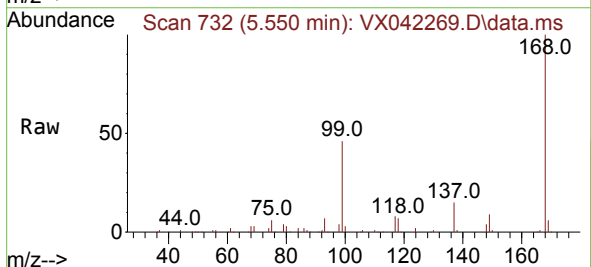
RT: 5.550 min Scan# 732

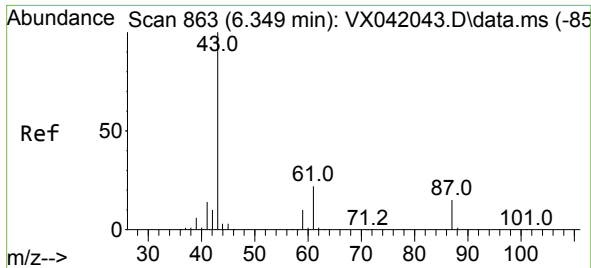
Delta R.T. -0.128 min

Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

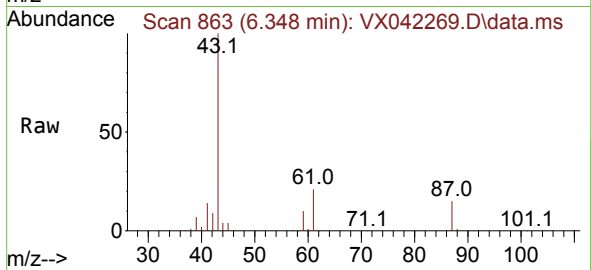
Tgt Ion: 117	Resp: 13588
Ion Ratio	Lower Upper
117	100
119	4.3 78.2 117.2#
121	0.0 24.4 36.6#



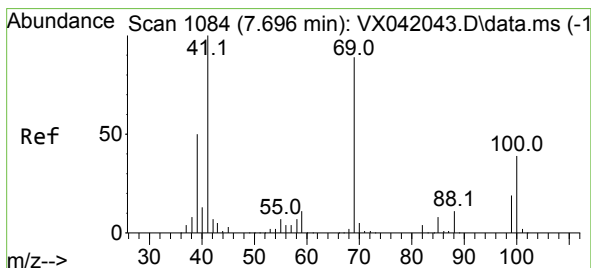
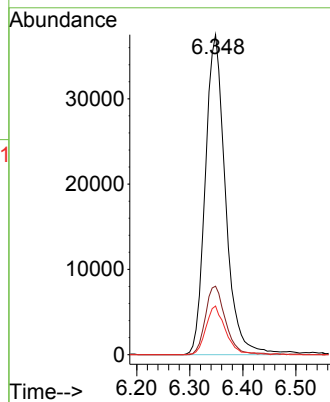
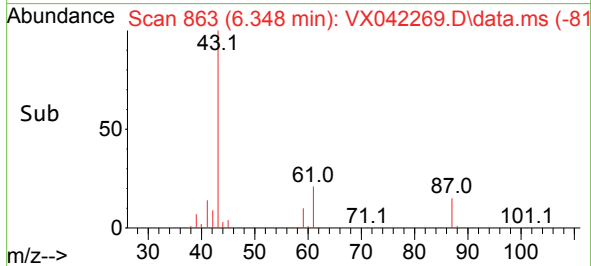


#43
Isopropyl Acetate
Concen: 24.742 ug/l
RT: 6.348 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

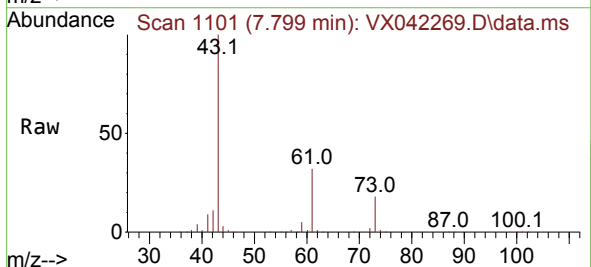
Instrument :
MSVOA_X
ClientSampleId :



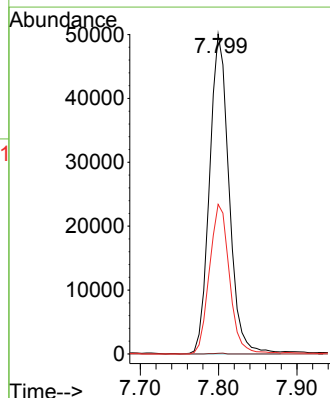
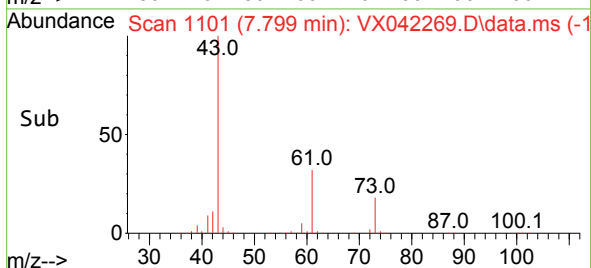
Tgt Ion: 43 Resp: 98937
Ion Ratio Lower Upper
43 100
61 21.5 15.2 22.8
87 14.8 9.8 14.6#

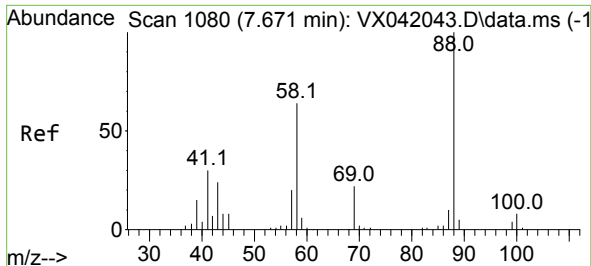


#48
Methyl methacrylate
Concen: 45.366 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57



Tgt Ion: 41 Resp: 86577
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.1 47.7 71.5

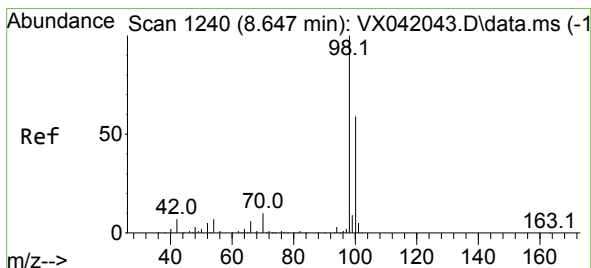
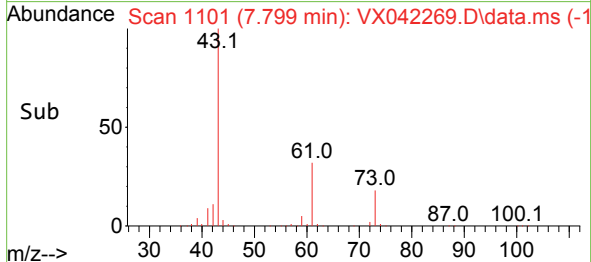
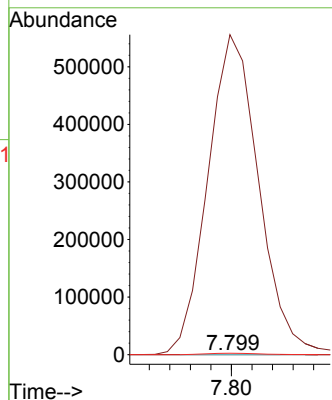
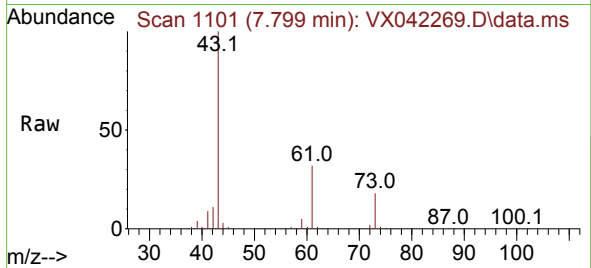




#49
1,4-Dioxane
Concen: 22.804 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

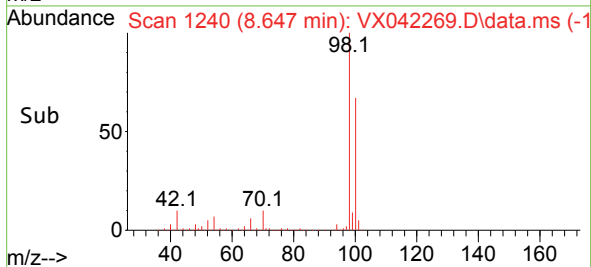
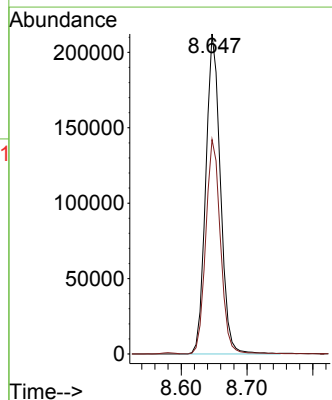
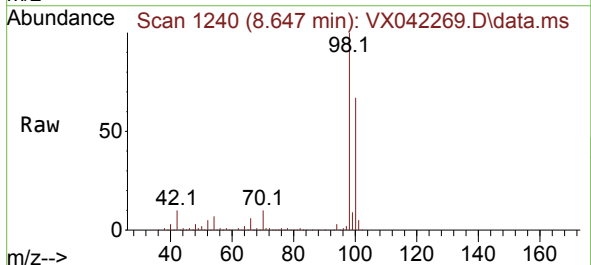
Instrument :
MSVOA_X
ClientSampleId :

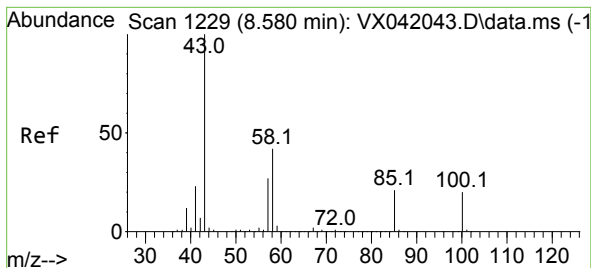
Tgt Ion: 88 Resp: 148
Ion Ratio Lower Upper
88 100
43 656301.4 0.0 0.0#
58 3152.7 60.1 90.1#



#50
Toluene-d8
Concen: 49.661 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

Tgt Ion: 98 Resp: 328564
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 26.840 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

Instrument :

MSVOA_X

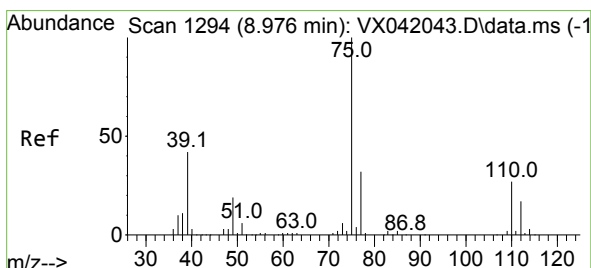
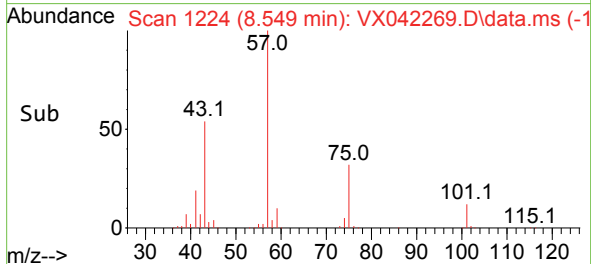
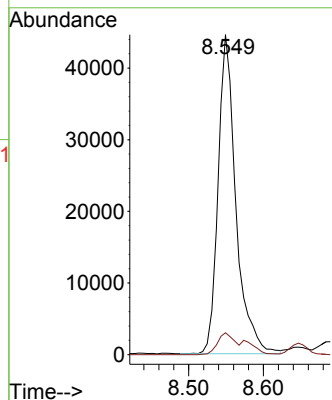
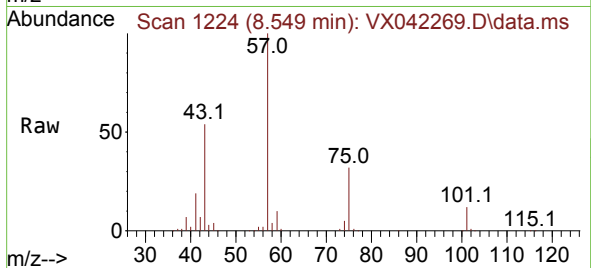
ClientSampleId :

Tgt Ion: 43 Resp: 73932

Ion Ratio Lower Upper

43 100

58 6.7 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 1.185 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.030 min

Lab File: VX042269.D

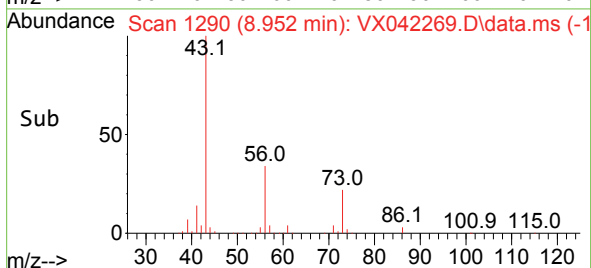
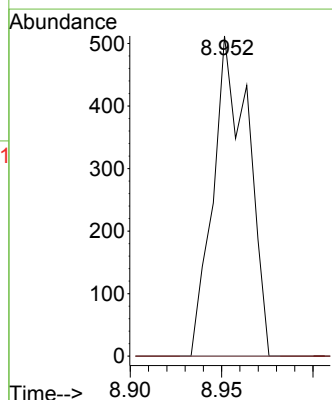
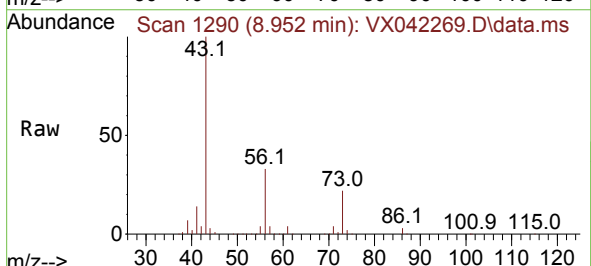
Acq: 10 Jul 2024 15:57

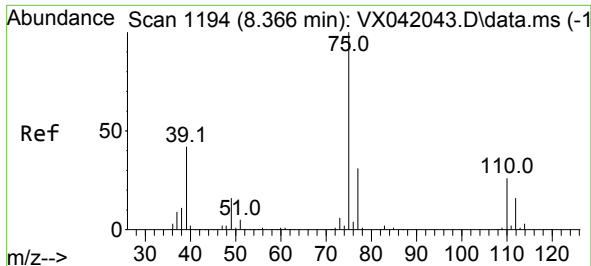
Tgt Ion: 75 Resp: 683

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

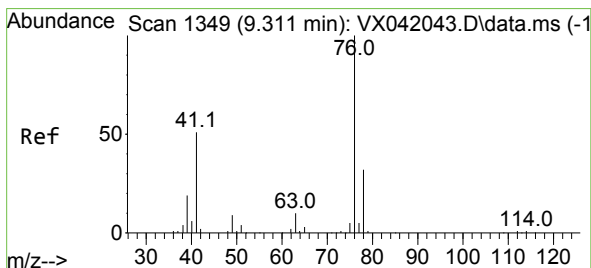
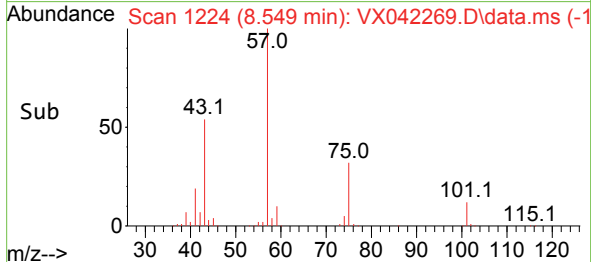
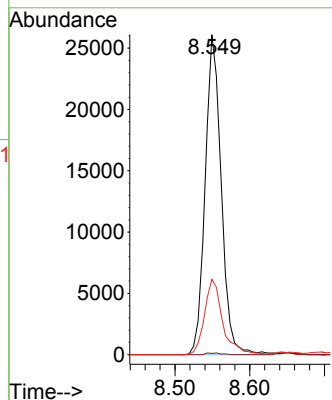
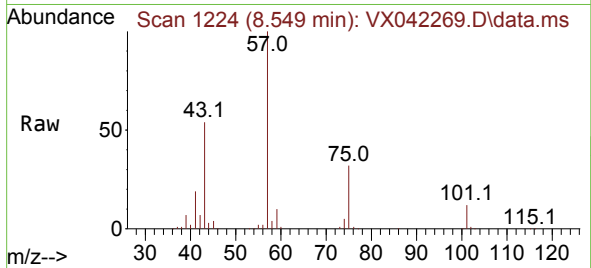




#54
 cis-1,3-Dichloropropene
 Concen: 16.086 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042269.D
 Acq: 10 Jul 2024 15:57

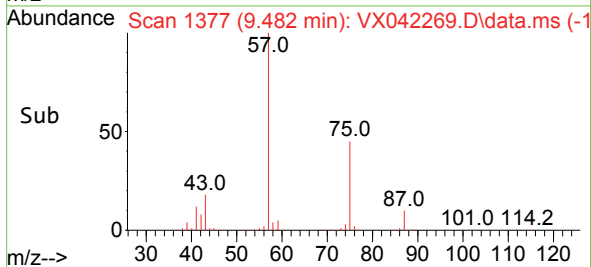
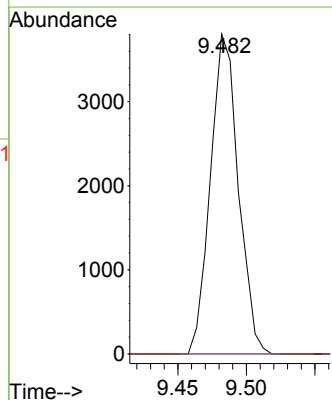
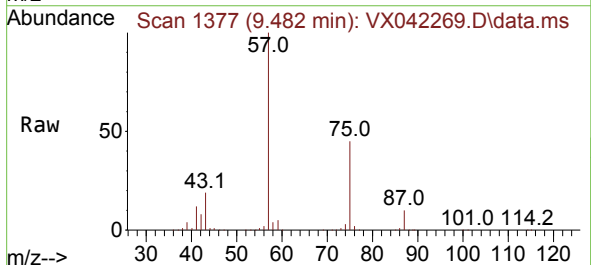
Instrument :
 MSVOA_X
 ClientSampleId :

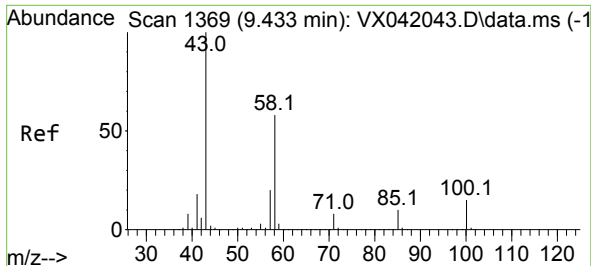
Tgt Ion: 75 Resp: 39072
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 23.6 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.861 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX042269.D
 Acq: 10 Jul 2024 15:57

Tgt Ion: 76 Resp: 5381
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

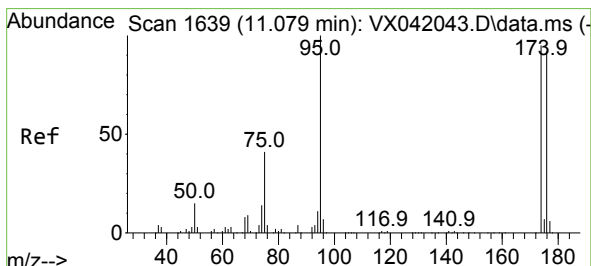
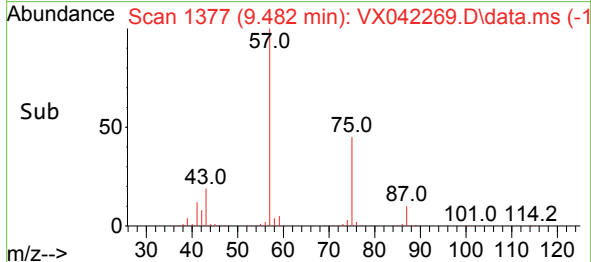
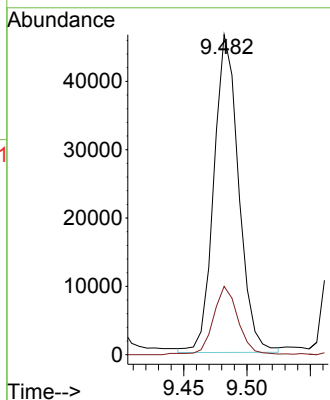
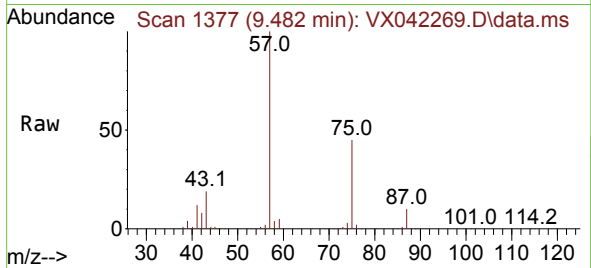




#59
2-Hexanone
Concen: 30.083 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

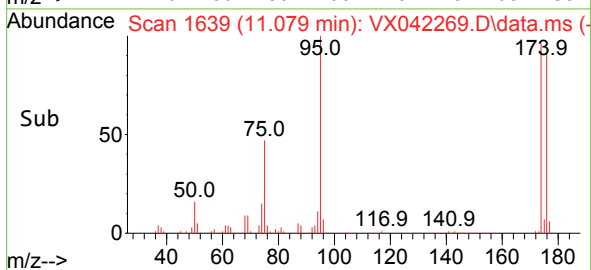
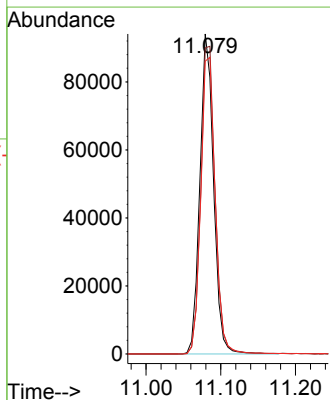
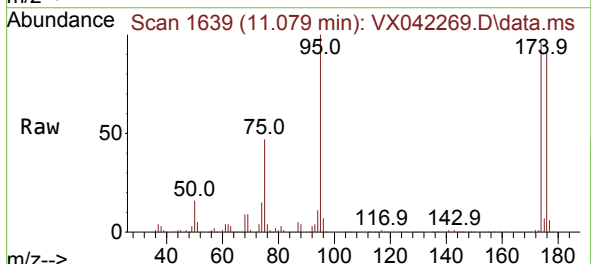
Instrument :
MSVOA_X
ClientSampleId :

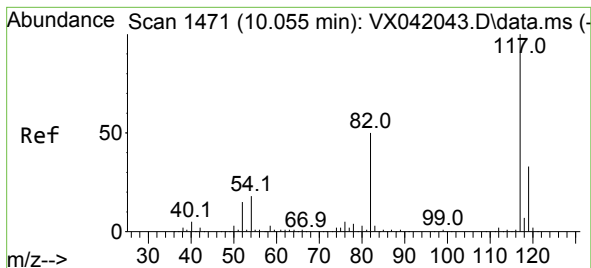
Tgt Ion: 43 Resp: 63467
Ion Ratio Lower Upper
43 100
58 21.7 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 49.140 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

Tgt Ion: 95 Resp: 119846
Ion Ratio Lower Upper
95 100
174 100.7 0.0 135.6
176 97.8 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: VX042269.D

Acq: 10 Jul 2024 15:57

Instrument :

MSVOA_X

ClientSampleId :

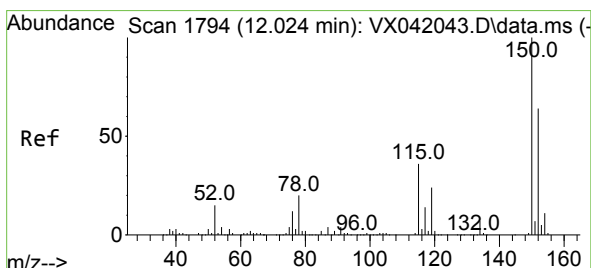
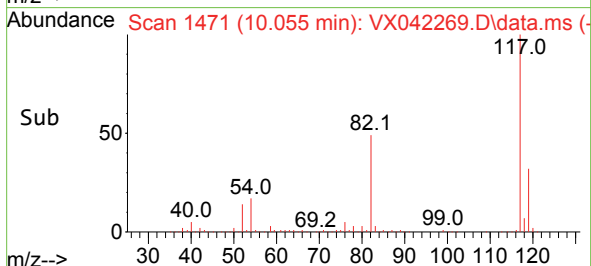
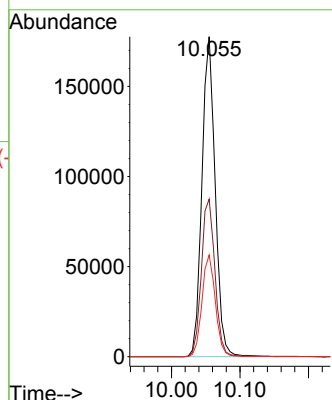
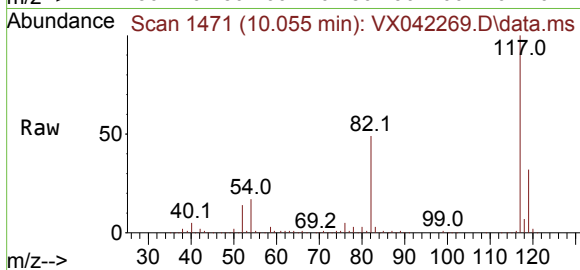
Tgt Ion:117 Resp: 239345

Ion Ratio Lower Upper

117 100

82 49.3 46.2 69.4

119 31.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX042269.D

Acq: 10 Jul 2024 15:57

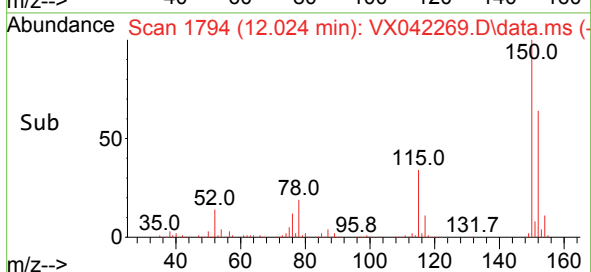
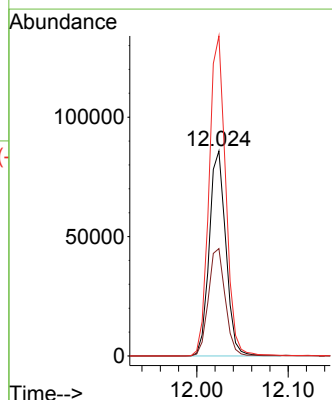
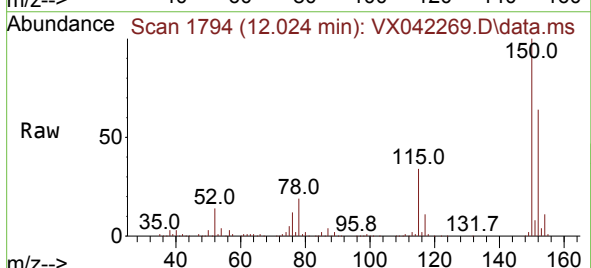
Tgt Ion:152 Resp: 108143

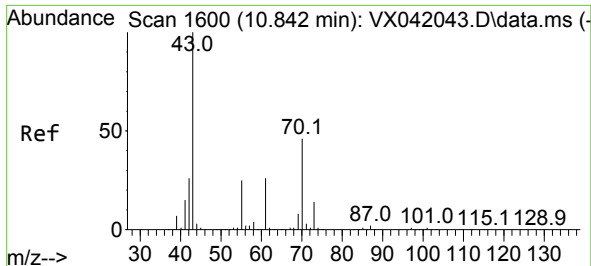
Ion Ratio Lower Upper

152 100

115 53.3 43.3 129.9

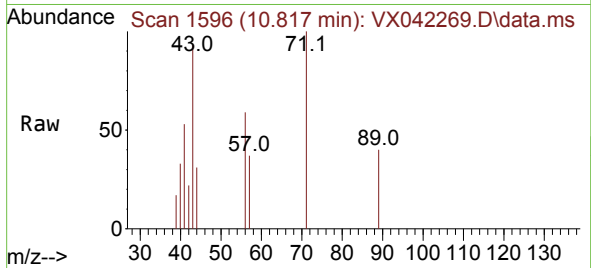
150 156.8 0.0 345.0



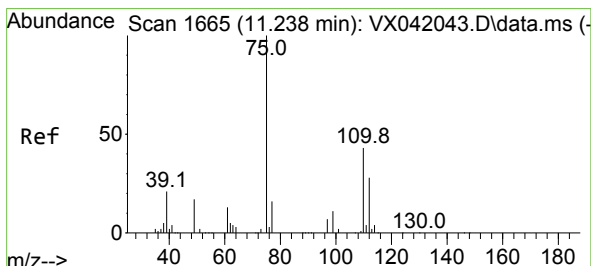
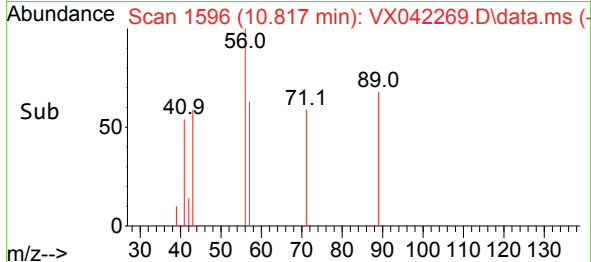
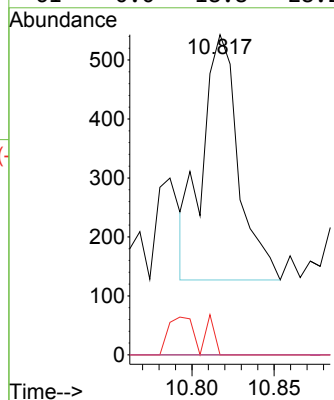


#74
N-amy1 acetate
Concen: 0.219 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

Instrument :
MSVOA_X
ClientSampleId :

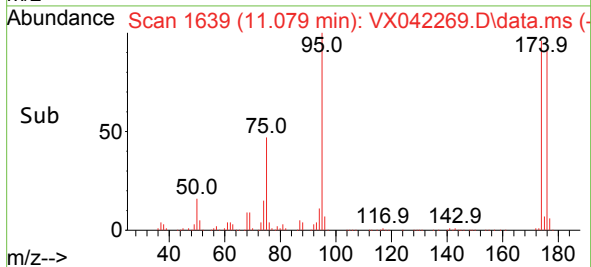
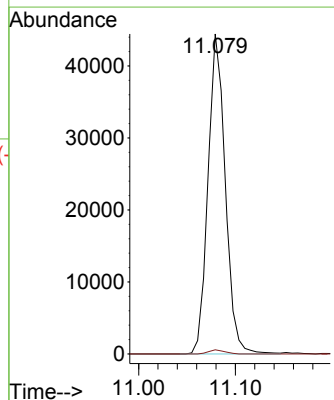
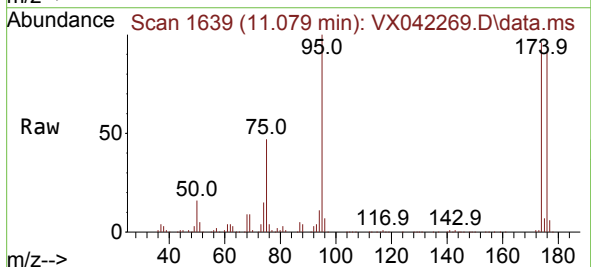


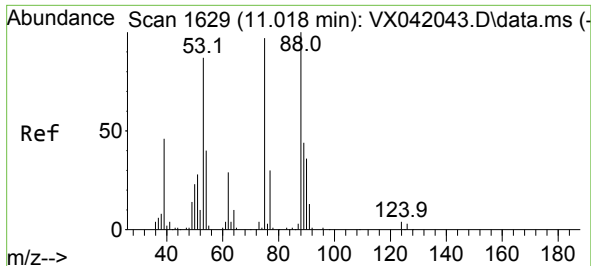
Tgt Ion: 43	Resp: 640
Ion Ratio	Lower Upper
43	100
70	0.0 32.9 49.3#
55	14.2 19.3 28.9#
61	0.0 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 28.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

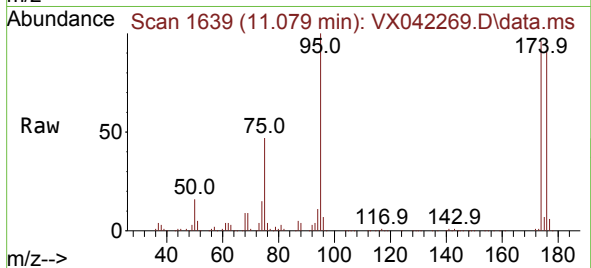
Tgt Ion: 75	Resp: 55381
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#



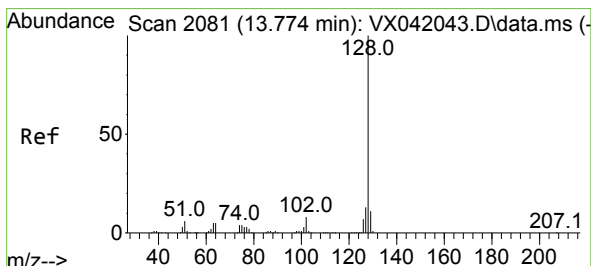
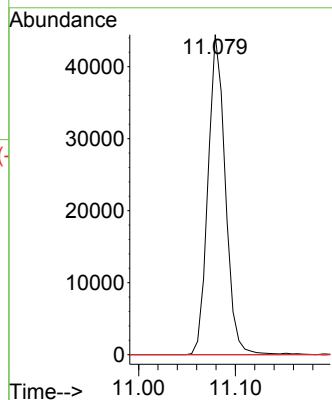
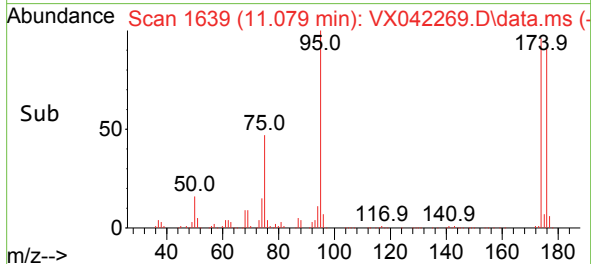


#81
trans-1,4-Dichloro-2-butene
Concen: 80.111 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57

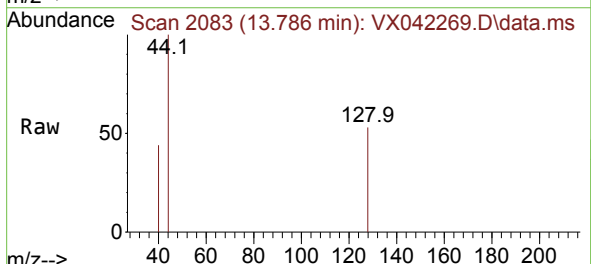
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 55381
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.773 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042269.D
Acq: 10 Jul 2024 15:57



Tgt Ion: 128 Resp: 198
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

