

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071024\
 Data File : VX042272.D
 Acq On : 10 Jul 2024 17:07
 Operator : JC/MD
 Sample : P3183-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

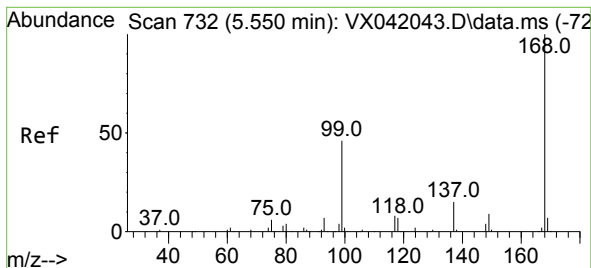
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 11 01:00:27 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	167958	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	264847	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	237877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	107975	55.750	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	111.500%
35) Dibromofluoromethane	5.385	113	102105	54.334	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.660%
50) Toluene-d8	8.647	98	322746	48.887	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.780%
62) 4-Bromofluorobenzene	11.079	95	113140	46.491	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.980%
Target Compounds						
						Qvalue
6) Chloroethane	1.654	64	141	Below Cal	#	43
11) Tert butyl alcohol	2.977	59	608	1.654	ug/l #	78
13) Acrolein	2.239	56	155	0.376	ug/l #	68
16) Acetone	2.386	43	58655	68.970	ug/l	90
18) Methyl Acetate	2.709	43	2987	1.288	ug/l	92
20) Methylene Chloride	2.788	84	8200	4.403	ug/l	86
23) Vinyl Acetate	3.580	43	1113	0.268	ug/l #	73
25) 2-Butanone	4.593	43	5693	4.303	ug/l	98
31) Cyclohexane	5.544	56	2169	0.958	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9604	4.813	ug/l #	51
37) Ethyl Acetate	4.739	43	2168	0.834	ug/l #	95
38) Carbon Tetrachloride	5.550	117	14251	6.463	ug/l #	14
43) Isopropyl Acetate	6.342	43	91547	22.943	ug/l #	93
48) Methyl methacrylate	7.799	41	80343	42.191	ug/l #	45
49) 1,4-Dioxane	7.793	88	123	22.324	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	68064	24.763	ug/l #	55
53) t-1,3-Dichloropropene	8.994	75	42	0.909	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35068	14.469	ug/l #	51
57) 1,3-Dichloropropane	9.482	76	4583	1.589	ug/l #	42
59) 2-Hexanone	9.482	43	54091	25.694	ug/l #	57
74) N-amyl acetate	10.787	43	677	0.236	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	51328	26.608	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51328	75.563	ug/l #	5
95) Naphthalene	13.780	128	610	0.827	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: VX042272.D

Acq: 10 Jul 2024 17:07

Instrument :

MSVOA_X

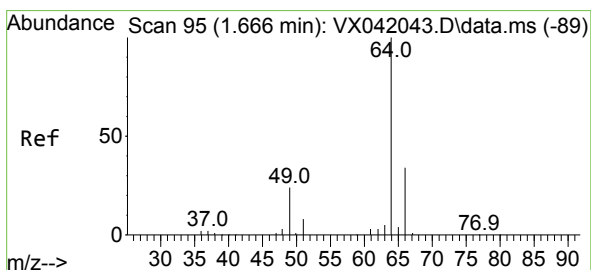
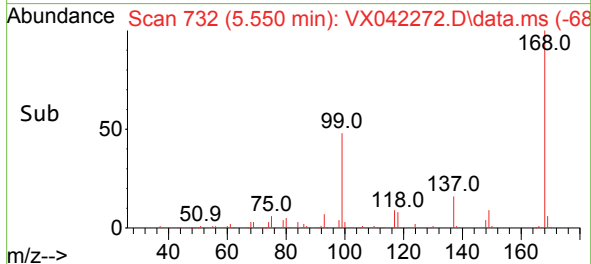
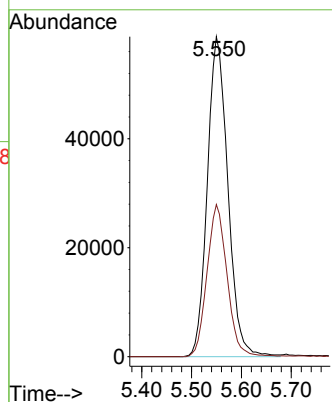
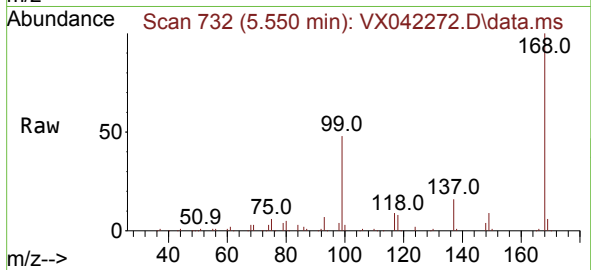
ClientSampleId :

Tgt Ion:168 Resp: 167958

Ion Ratio Lower Upper

168 100

99 47.5 56.6 85.0#



#6

Chloroethane

Concen: Below Cal

RT: 1.654 min Scan# 93

Delta R.T. -0.006 min

Lab File: VX042272.D

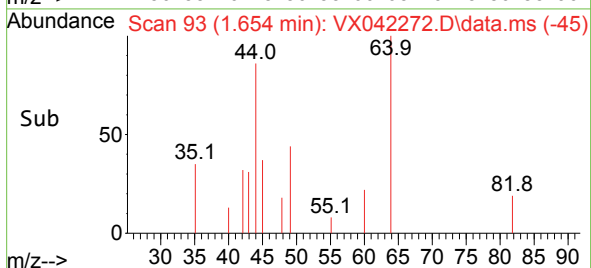
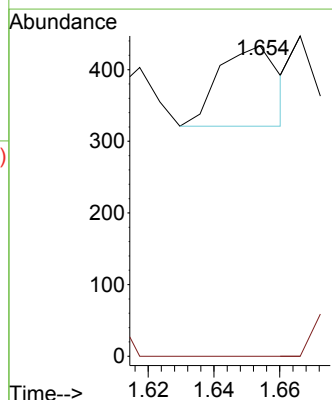
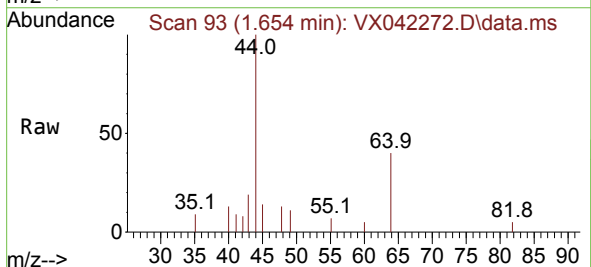
Acq: 10 Jul 2024 17:07

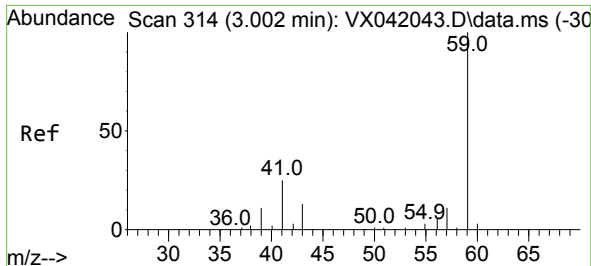
Tgt Ion: 64 Resp: 141

Ion Ratio Lower Upper

64 100

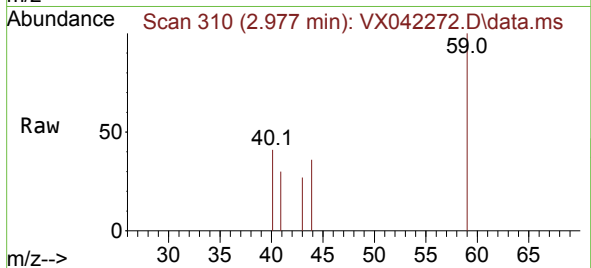
66 0.0 25.1 37.7#



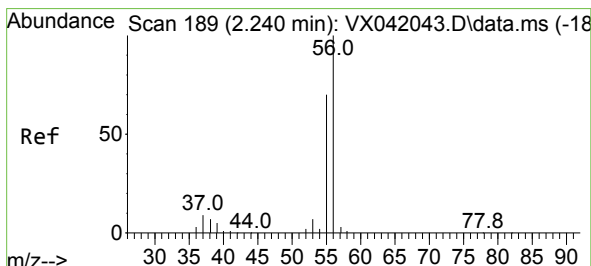
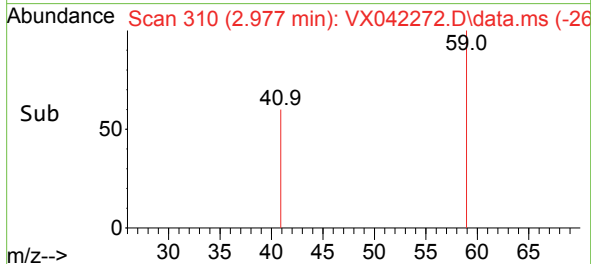
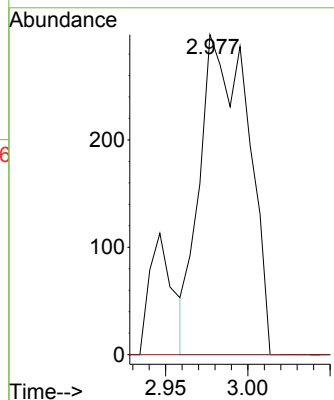


#11
Tert butyl alcohol
Concen: 1.654 ug/l
RT: 2.977 min Scan# 31
Delta R.T. -0.031 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :

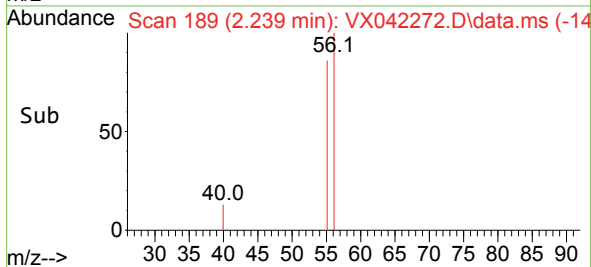
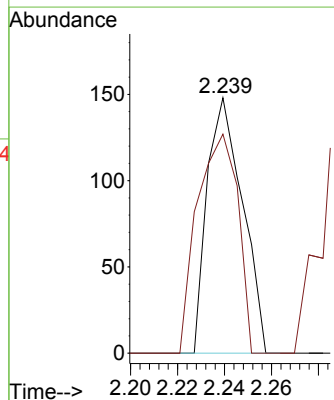
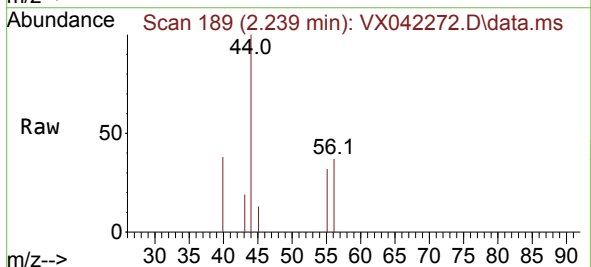


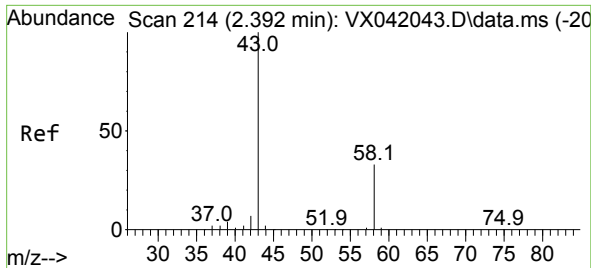
Tgt Ion: 59 Resp: 608
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.376 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.000 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Tgt Ion: 56 Resp: 155
Ion Ratio Lower Upper
56 100
55 98.1 57.1 85.7#





#16

Acetone

Concen: 68.970 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.012 min

Lab File: VX042272.D

Acq: 10 Jul 2024 17:07

Instrument :

MSVOA_X

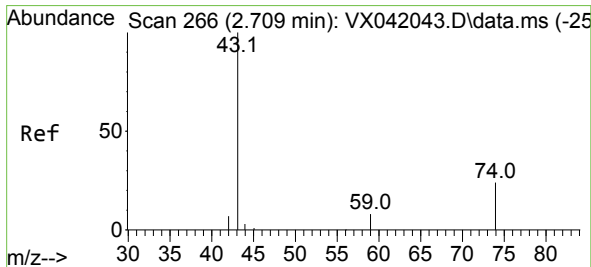
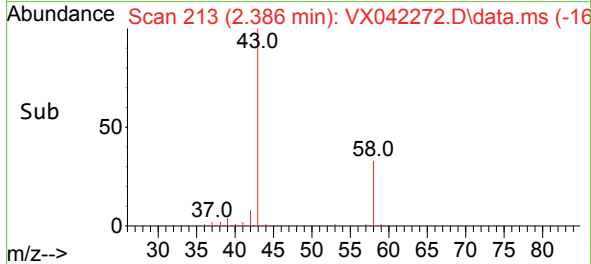
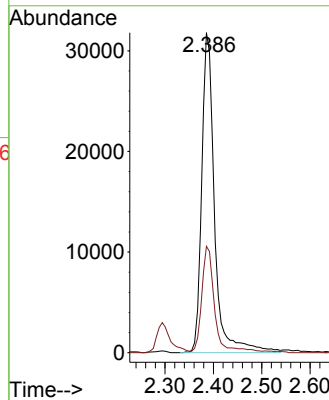
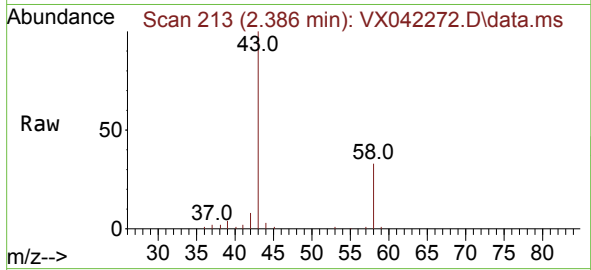
ClientSampleId :

Tgt Ion: 43 Resp: 58655

Ion Ratio Lower Upper

43 100

58 32.9 21.9 32.9



#18

Methyl Acetate

Concen: 1.288 ug/l

RT: 2.709 min Scan# 266

Delta R.T. -0.000 min

Lab File: VX042272.D

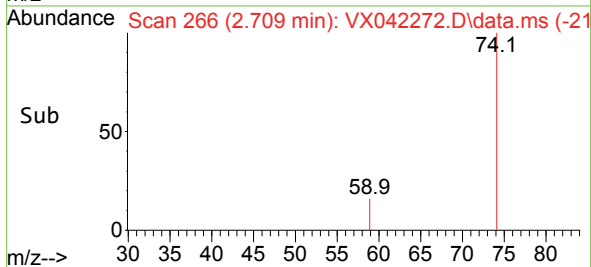
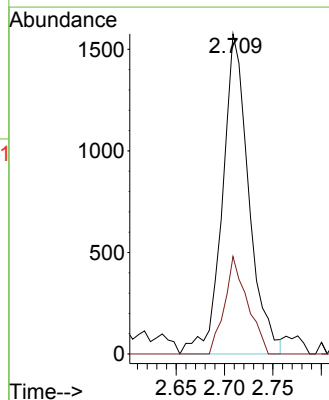
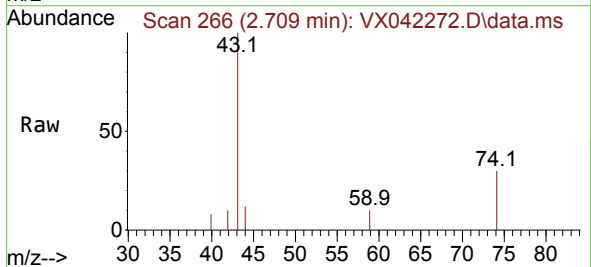
Acq: 10 Jul 2024 17:07

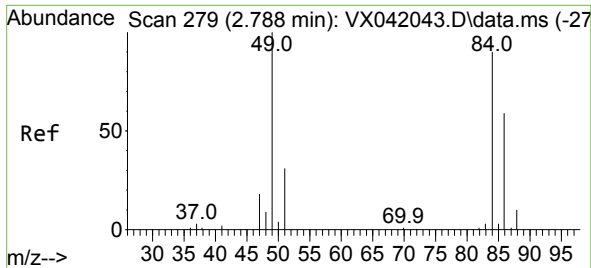
Tgt Ion: 43 Resp: 2987

Ion Ratio Lower Upper

43 100

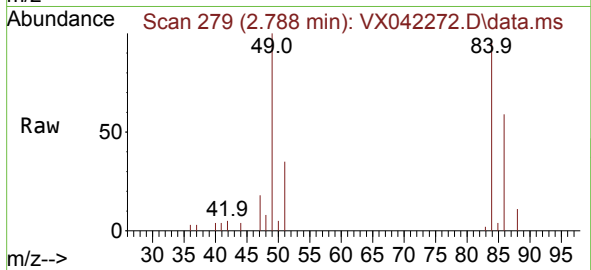
74 26.3 17.8 26.8



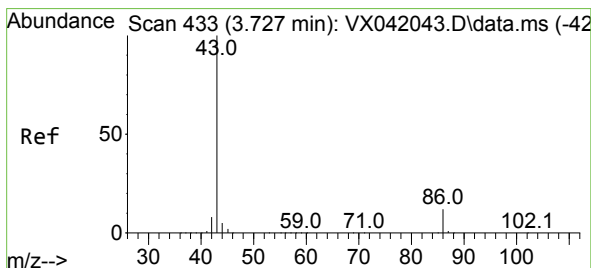
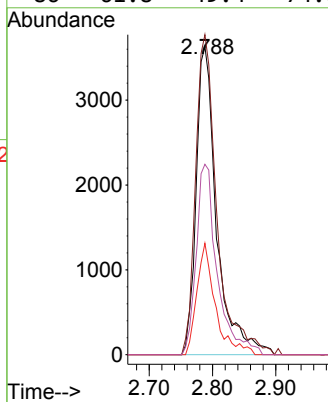
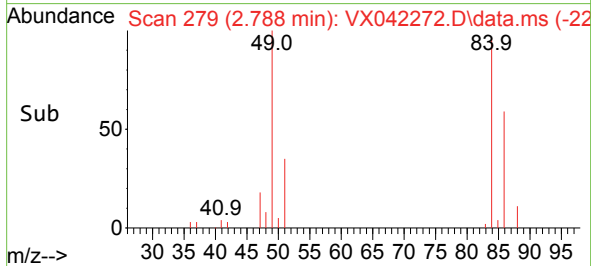


#20
Methylene Chloride
Concen: 4.403 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :

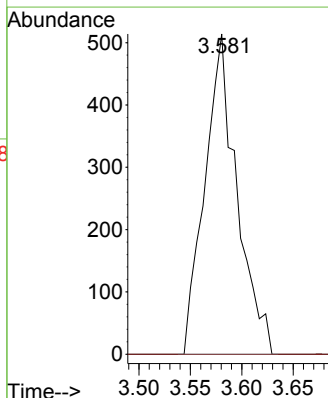
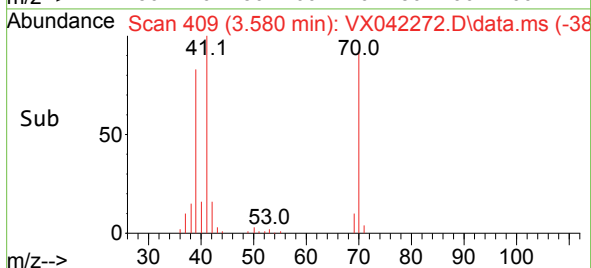
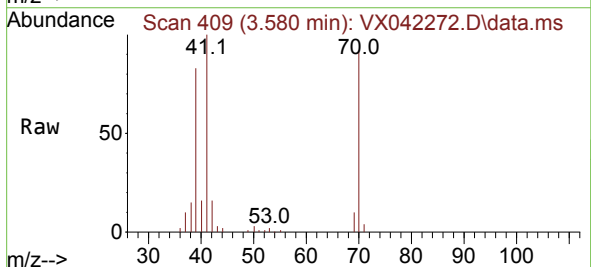


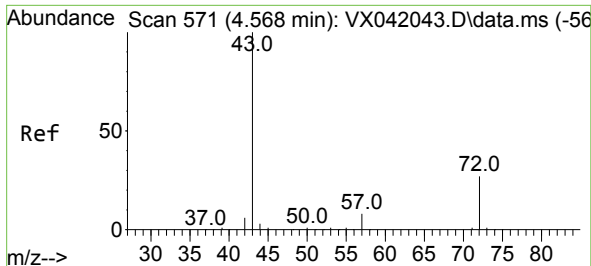
Tgt Ion: 84	Resp: 8200
Ion Ratio	Lower Upper
84 100	
49 103.8	103.6 155.4
51 36.1	33.8 50.6
86 61.8	49.4 74.0



#23
Vinyl Acetate
Concen: 0.268 ug/l
RT: 3.580 min Scan# 409
Delta R.T. -0.146 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Tgt Ion: 43	Resp: 1113
Ion Ratio	Lower Upper
43 100	
86 0.0	7.8 11.8#

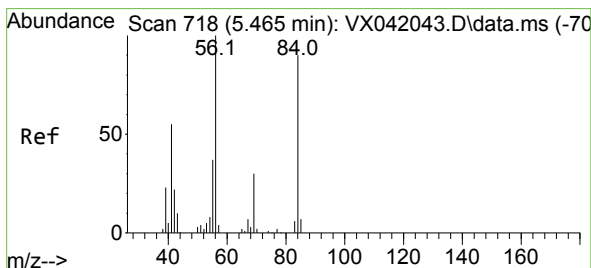
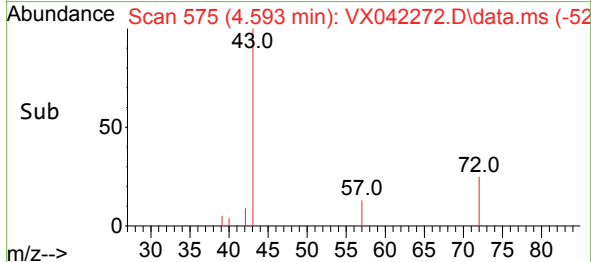
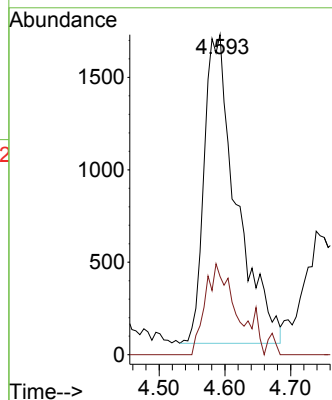
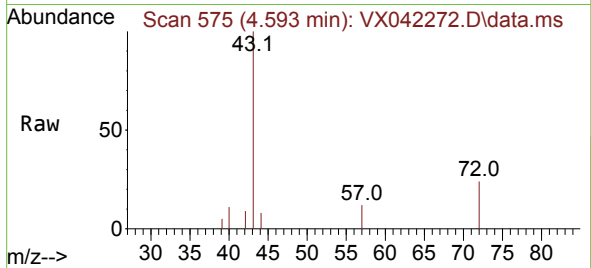




#25
2-Butanone
Concen: 4.303 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

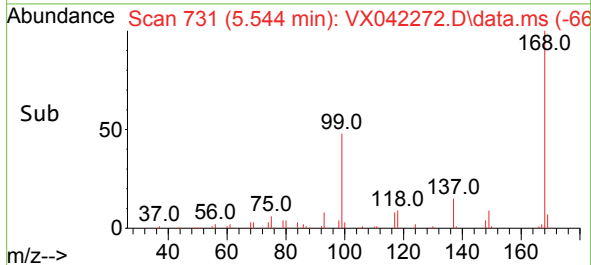
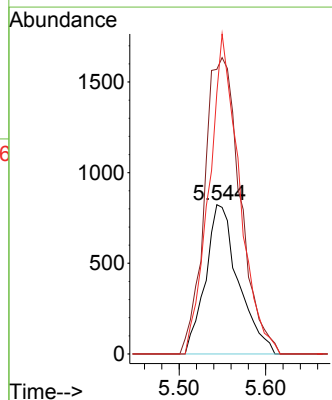
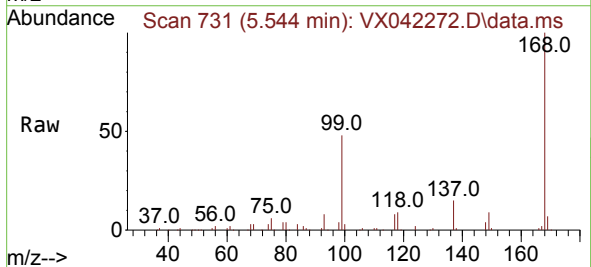
Instrument :
MSVOA_X
ClientSampleId :

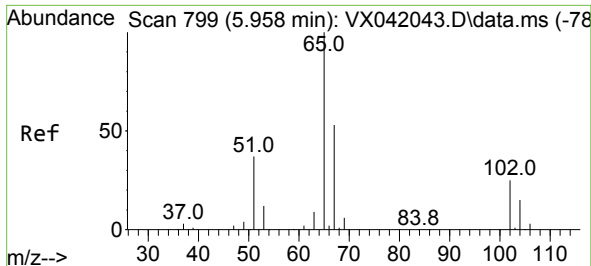
Tgt Ion: 43 Resp: 5693
Ion Ratio Lower Upper
43 100
72 25.3 19.4 29.2



#31
Cyclohexane
Concen: 0.958 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.079 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Tgt Ion: 56 Resp: 2169
Ion Ratio Lower Upper
56 100
69 190.8 23.4 35.2#
84 175.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 55.750 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX042272.D

Acq: 10 Jul 2024 17:07

Instrument :

MSVOA_X

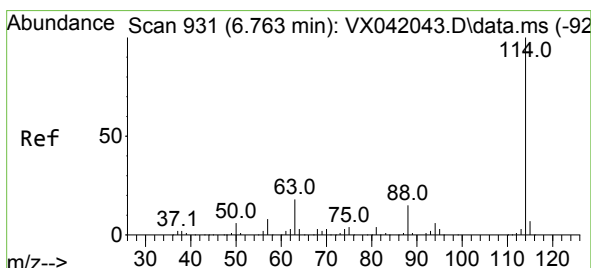
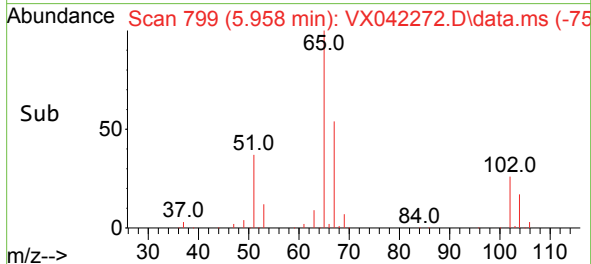
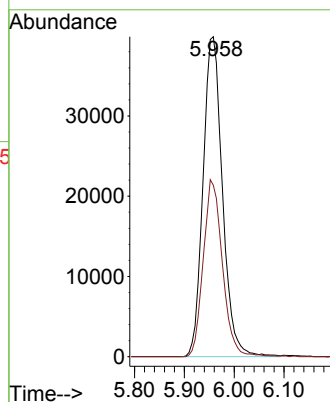
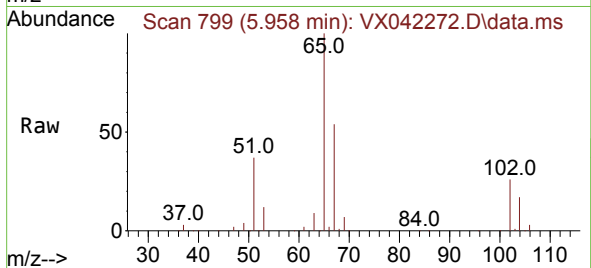
ClientSampleId :

Tgt Ion: 65 Resp: 107975

Ion Ratio Lower Upper

65 100

67 54.6 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: VX042272.D

Acq: 10 Jul 2024 17:07

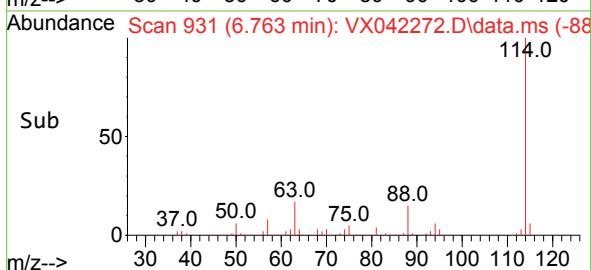
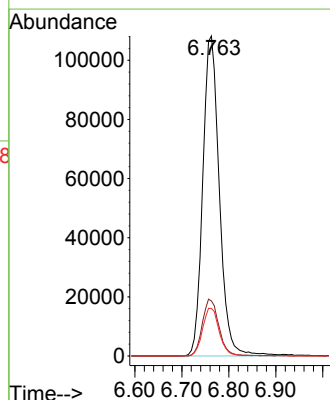
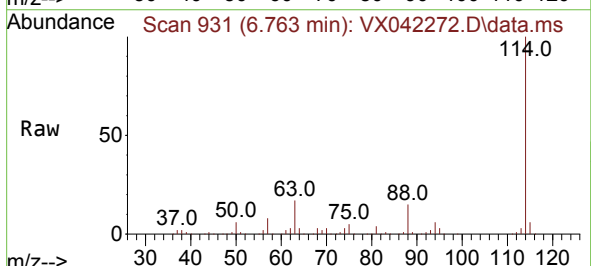
Tgt Ion: 114 Resp: 264847

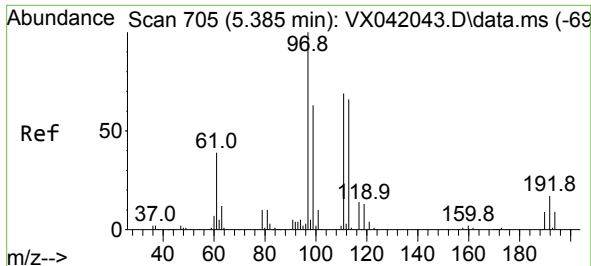
Ion Ratio Lower Upper

114 100

63 17.2 0.0 45.0

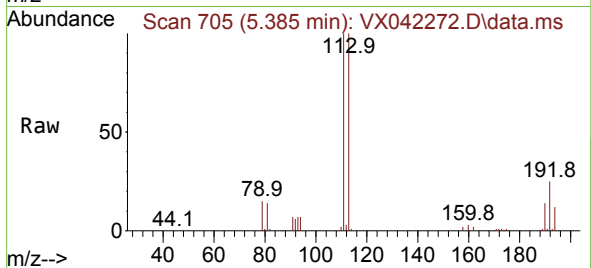
88 14.9 0.0 36.6



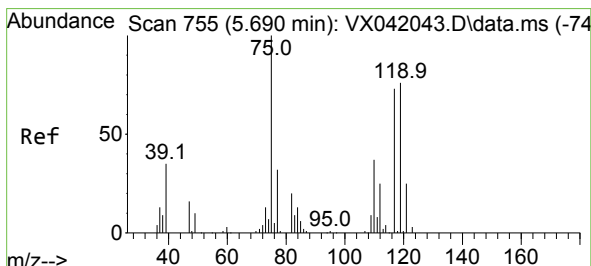
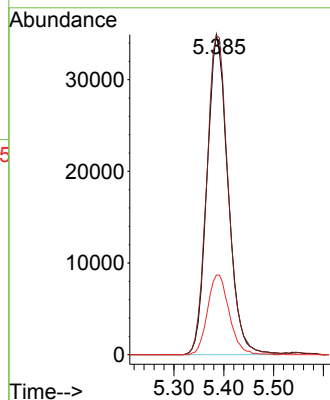
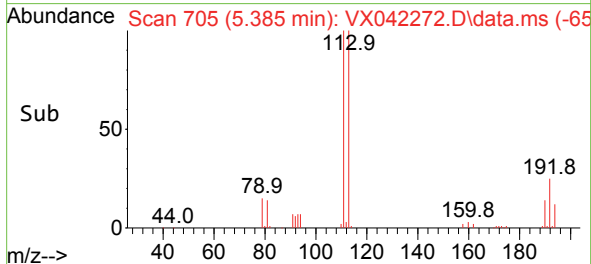


#35
Dibromofluoromethane
Concen: 54.334 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Instrument :
MSVOA_X
ClientSampleId :

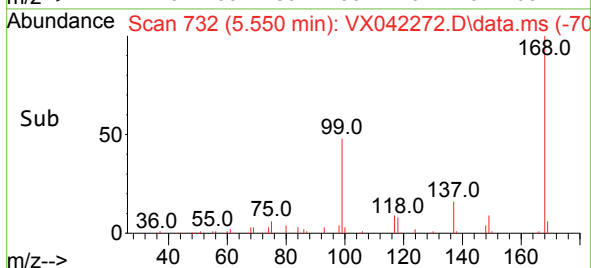
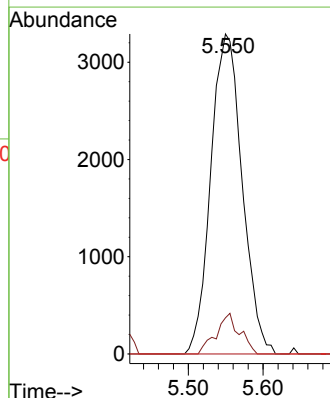
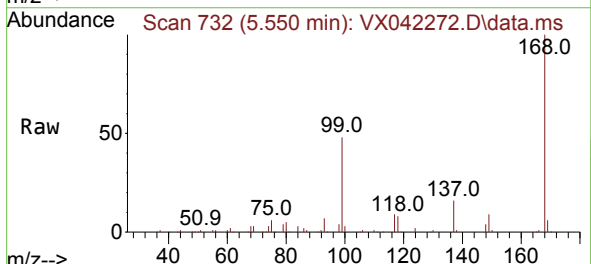


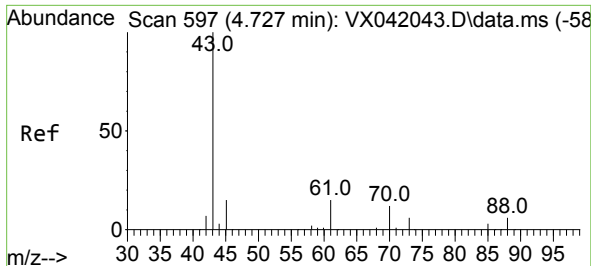
Tgt Ion:113 Resp: 102105
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 25.7 13.3 19.9#



#36
1,1-Dichloropropene
Concen: 4.813 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Tgt Ion: 75 Resp: 9604
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.834 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.012 min

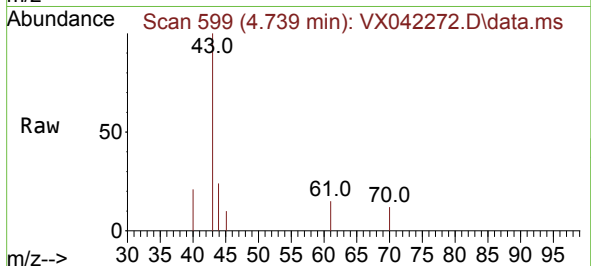
Lab File: VX042272.D

Acq: 10 Jul 2024 17:07

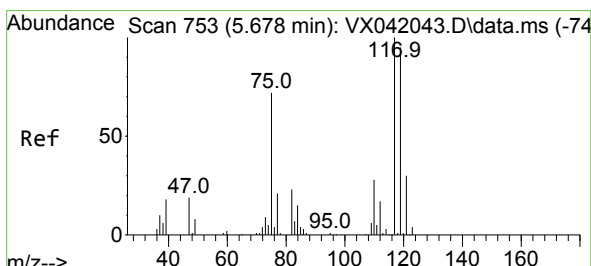
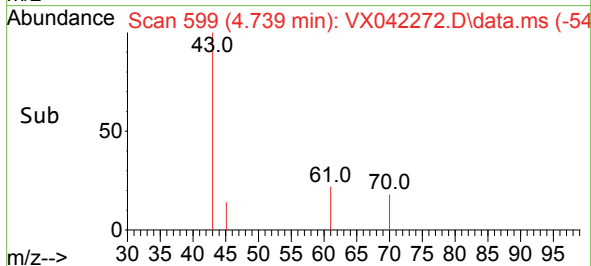
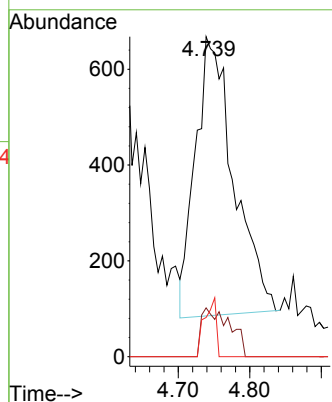
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2168
Ion Ratio	Lower Upper
43	100
61	12.9 10.6 16.0
70	6.4 8.3 12.5



#38

Carbon Tetrachloride

Concen: 6.463 ug/l

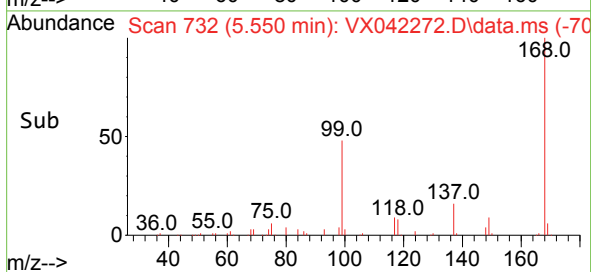
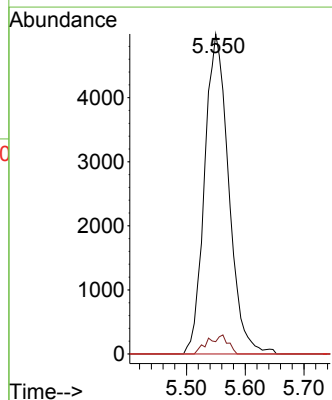
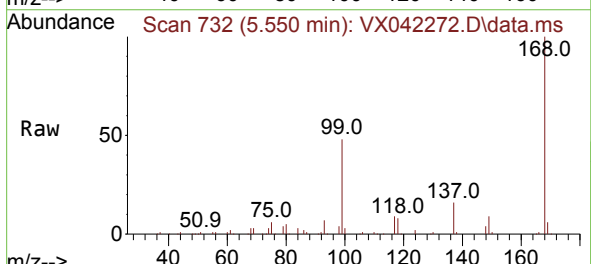
RT: 5.550 min Scan# 732

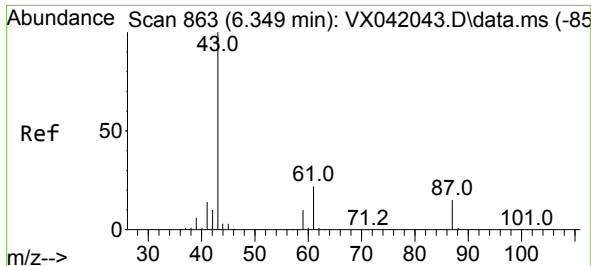
Delta R.T. -0.128 min

Lab File: VX042272.D

Acq: 10 Jul 2024 17:07

Tgt Ion: 117	Resp: 14251
Ion Ratio	Lower Upper
117	100
119	3.9 78.2 117.2
121	0.0 24.4 36.6

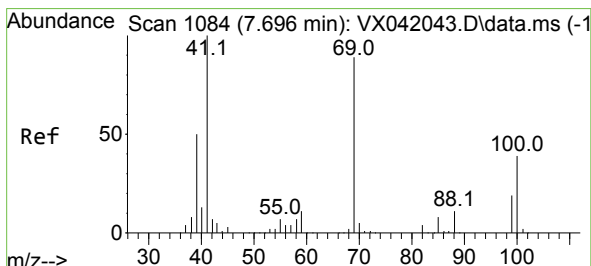
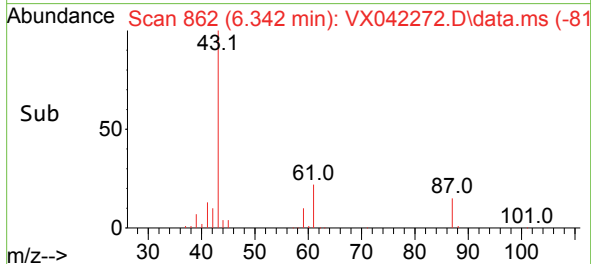
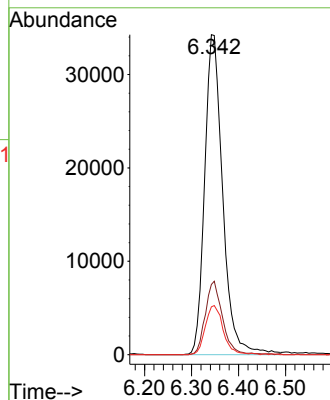
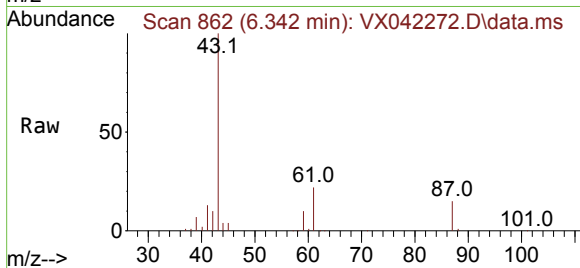




#43
Isopropyl Acetate
Concen: 22.943 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

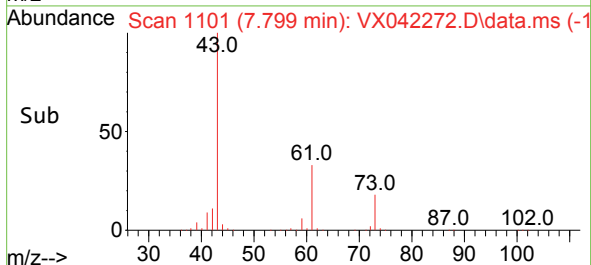
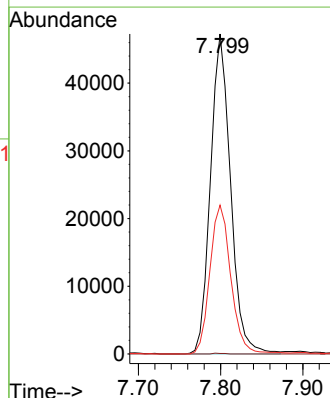
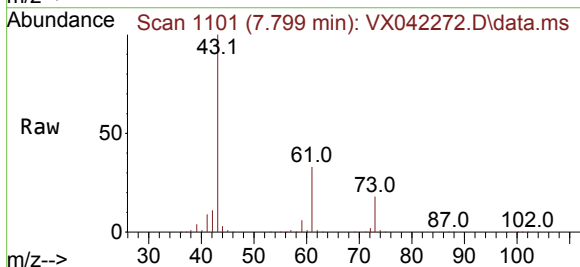
Instrument :
MSVOA_X
ClientSampleId :

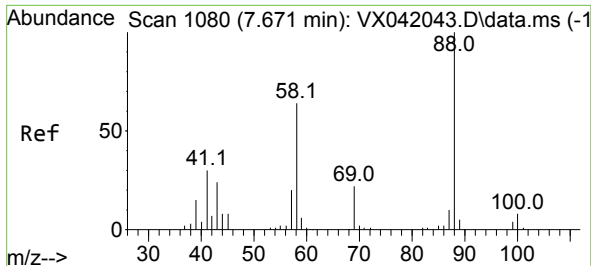
Tgt Ion: 43 Resp: 91547
Ion Ratio Lower Upper
43 100
61 21.8 15.2 22.8
87 15.1 9.8 14.6#



#48
Methyl methacrylate
Concen: 42.191 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Tgt Ion: 41 Resp: 80343
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 48.6 47.7 71.5

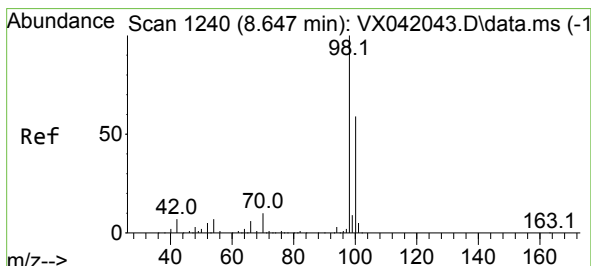
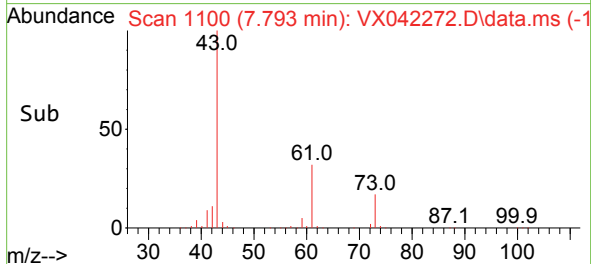
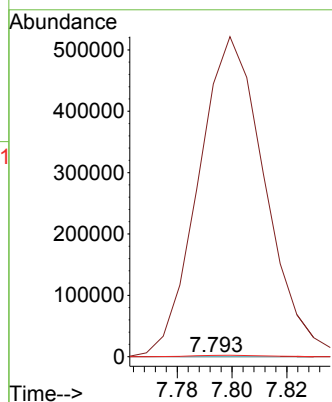
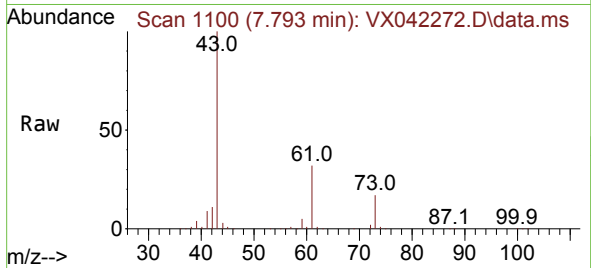




#49
1,4-Dioxane
Concen: 22.324 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

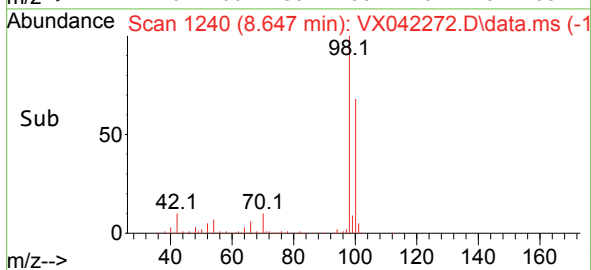
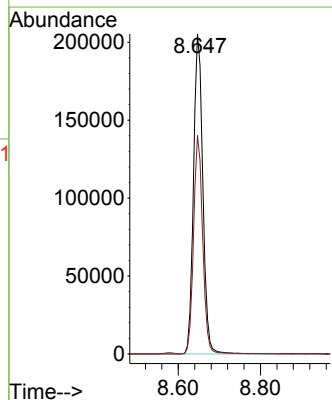
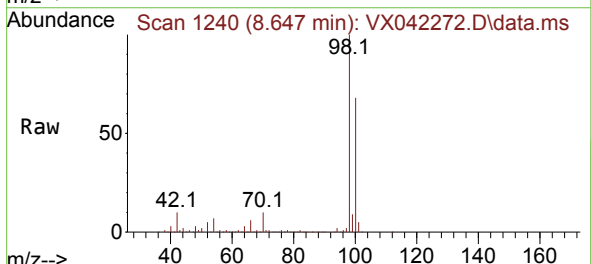
Instrument :
MSVOA_X
ClientSampleId :

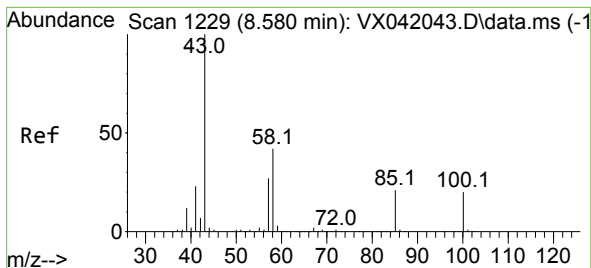
Tgt Ion: 88 Resp: 123
Ion Ratio Lower Upper
88 100
43 732074.8 0.0 0.0#
58 3469.1 60.1 90.1#



#50
Toluene-d8
Concen: 48.887 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Tgt Ion: 98 Resp: 322746
Ion Ratio Lower Upper
98 100
100 66.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 24.763 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX042272.D

Acq: 10 Jul 2024 17:07

Instrument :

MSVOA_X

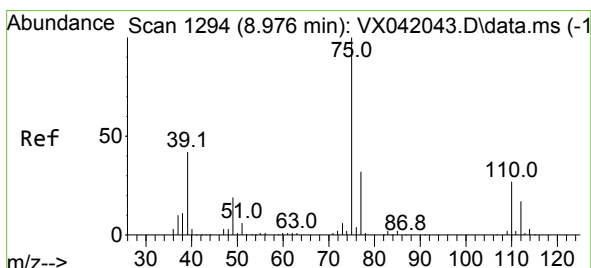
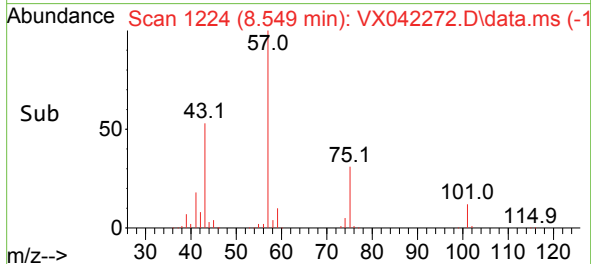
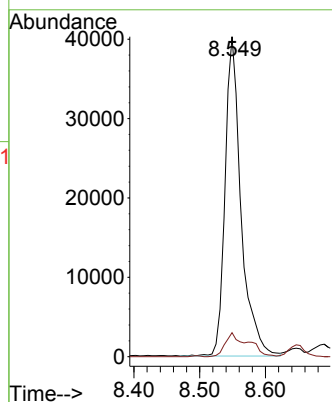
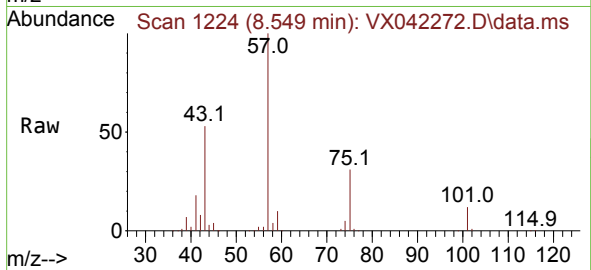
ClientSampleId :

Tgt Ion: 43 Resp: 68064

Ion Ratio Lower Upper

43 100

58 10.8 30.4 45.6#



#53

t-1,3-Dichloropropene

Concen: 0.909 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VX042272.D

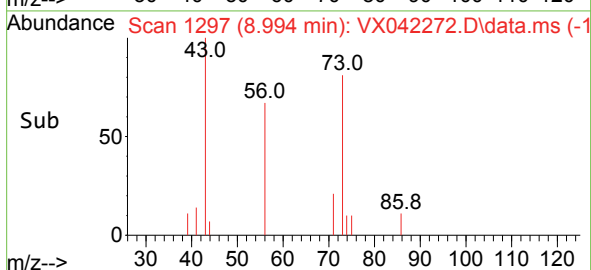
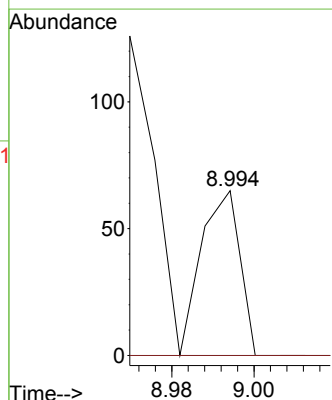
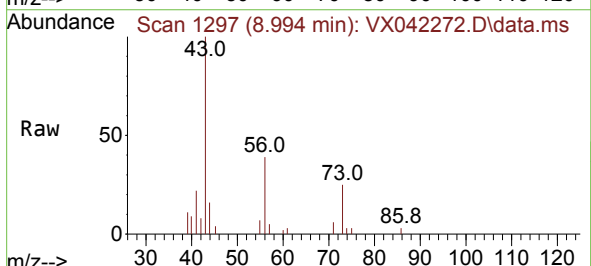
Acq: 10 Jul 2024 17:07

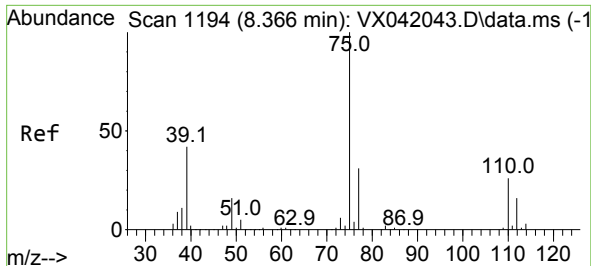
Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

77 0.0 25.7 38.5#

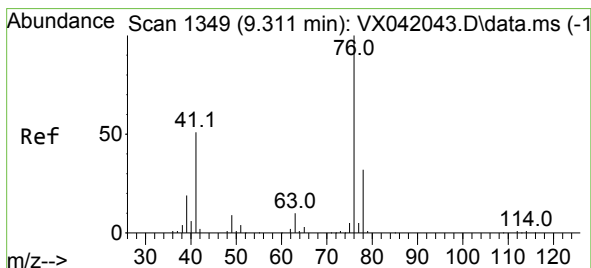
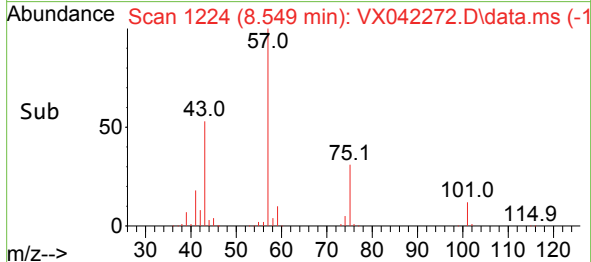
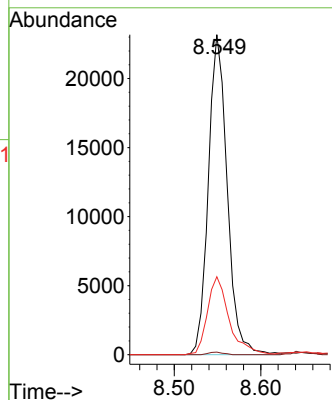
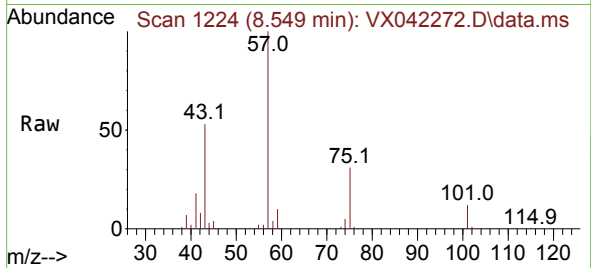




#54
 cis-1,3-Dichloropropene
 Concen: 14.469 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX042272.D
 Acq: 10 Jul 2024 17:07

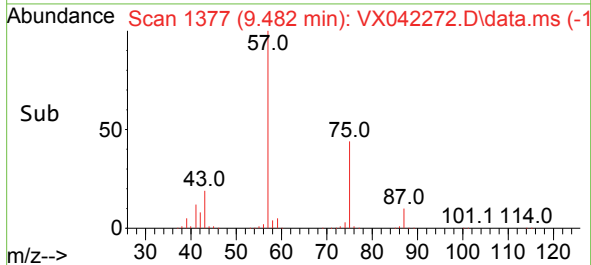
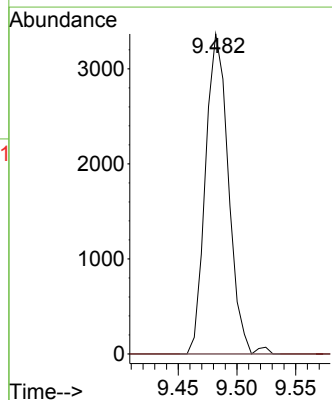
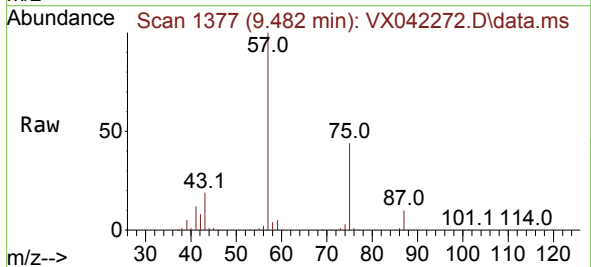
Instrument :
 MSVOA_X
 ClientSampleId :

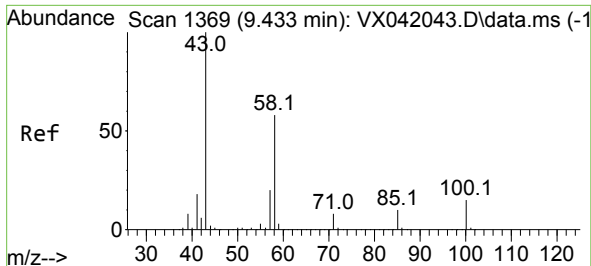
Tgt Ion: 75 Resp: 35068
 Ion Ratio Lower Upper
 75 100
 77 0.8 25.3 37.9#
 39 24.4 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.589 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX042272.D
 Acq: 10 Jul 2024 17:07

Tgt Ion: 76 Resp: 4583
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

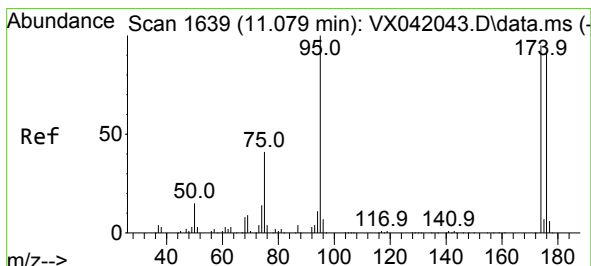
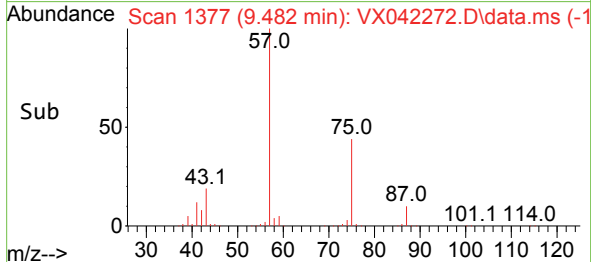
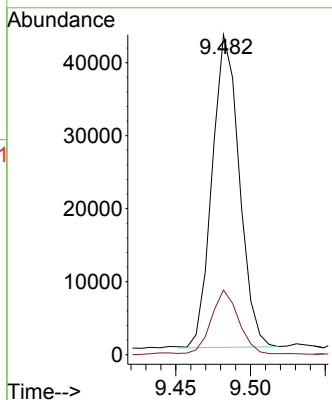
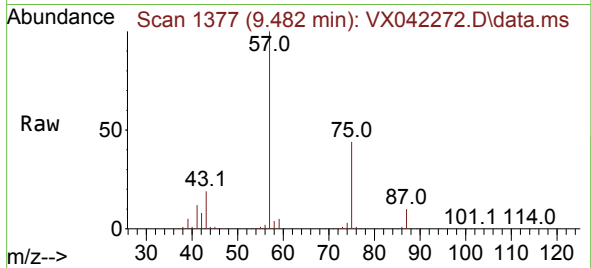




#59
2-Hexanone
Concen: 25.694 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

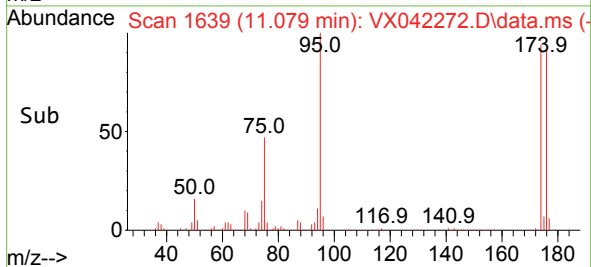
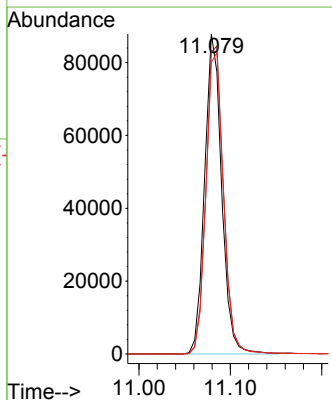
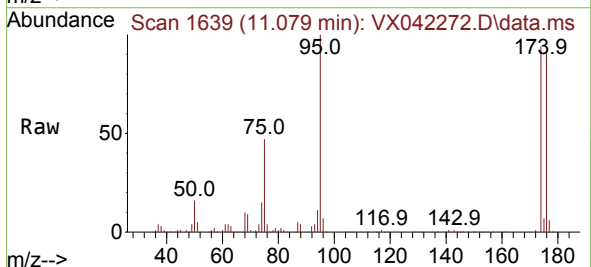
Instrument :
MSVOA_X
ClientSampleId :

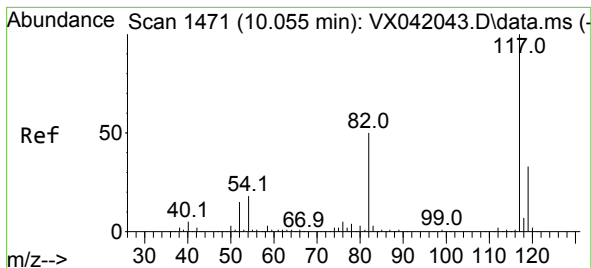
Tgt Ion: 43 Resp: 54091
Ion Ratio Lower Upper
43 100
58 22.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

Tgt Ion: 95 Resp: 113140
Ion Ratio Lower Upper
95 100
174 100.2 0.0 135.6
176 97.4 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: VX042272.D

Acq: 10 Jul 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :

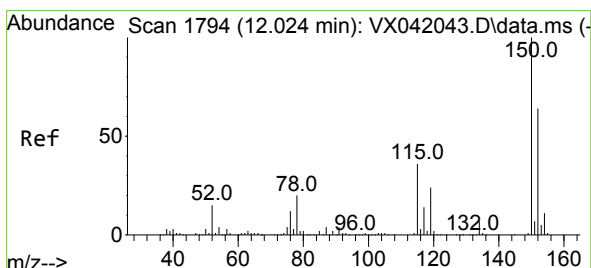
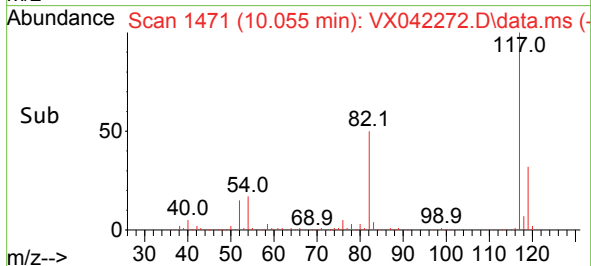
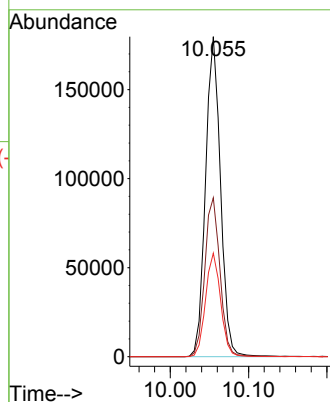
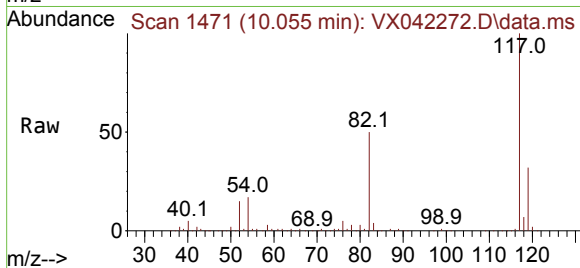
Tgt Ion:117 Resp: 237877

Ion Ratio Lower Upper

117 100

82 49.6 46.2 69.4

119 32.4 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: VX042272.D

Acq: 10 Jul 2024 17:07

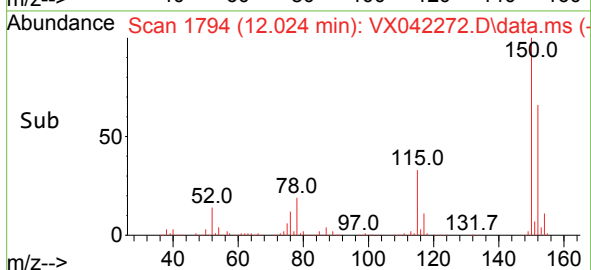
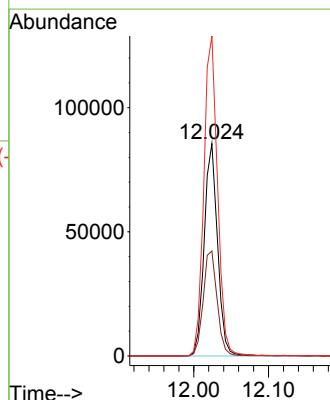
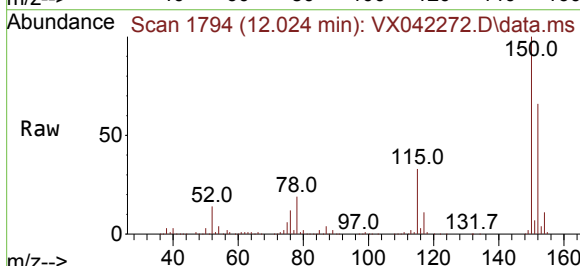
Tgt Ion:152 Resp: 106261

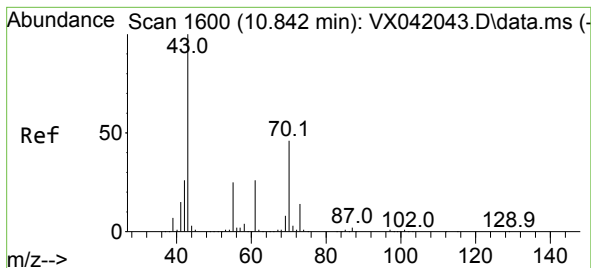
Ion Ratio Lower Upper

152 100

115 51.6 43.3 129.9

150 154.8 0.0 345.0





#74

N-amy1 acetate

Concen: 0.236 ug/l

RT: 10.787 min Scan# 1

Delta R.T. -0.055 min

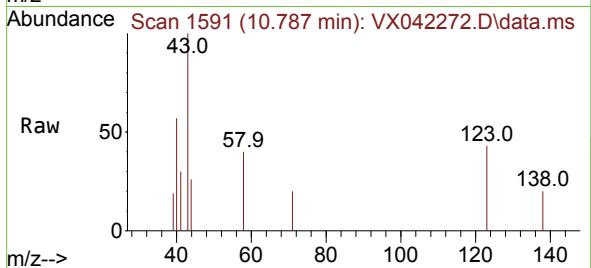
Lab File: VX042272.D

Acq: 10 Jul 2024 17:07

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 677

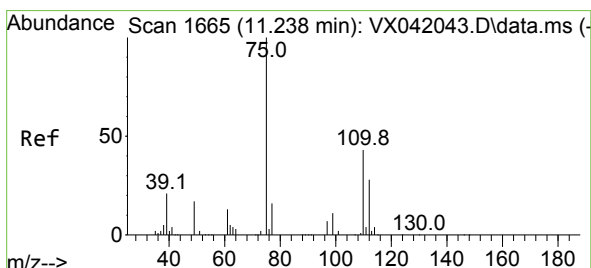
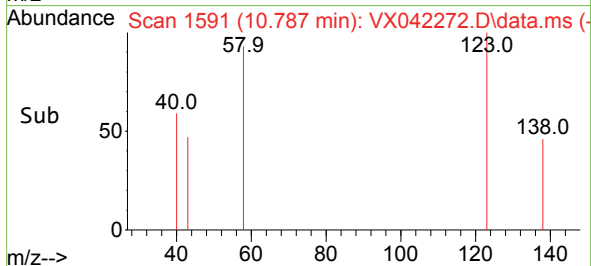
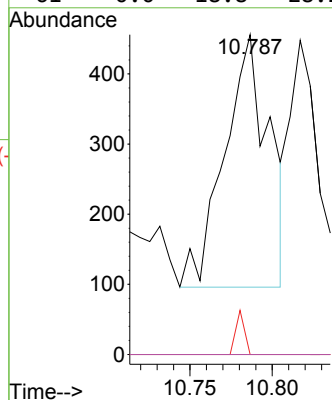
Ion	Ratio	Lower	Upper
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43	100		
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70	0.0	32.9	49.3#
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55	3.4	19.3	28.9#
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61	0.0	18.8	28.2#
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#76

1,2,3-Trichloropropane

Concen: 26.608 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042272.D

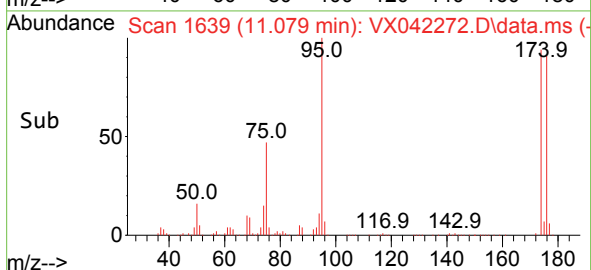
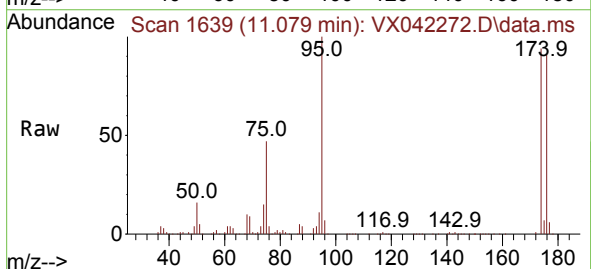
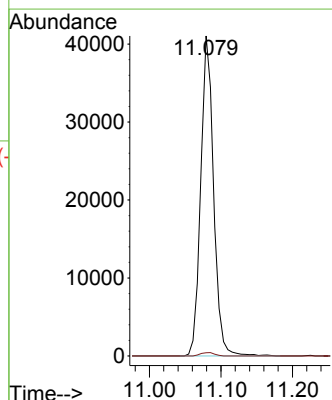
Acq: 10 Jul 2024 17:07

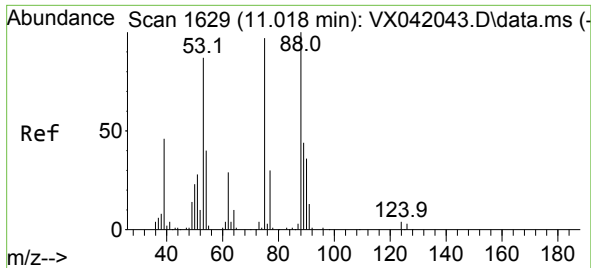
Tgt Ion: 75 Resp: 51328

Ion	Ratio	Lower	Upper
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75	100		
----	-----	--	--

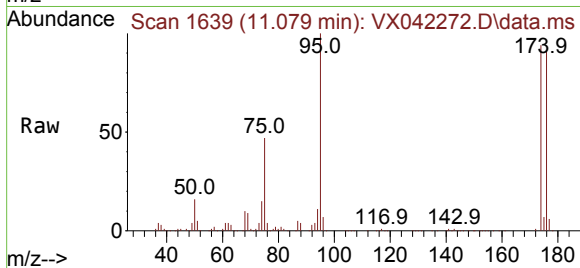
77	1.1	19.1	57.5#
----	-----	------	-------



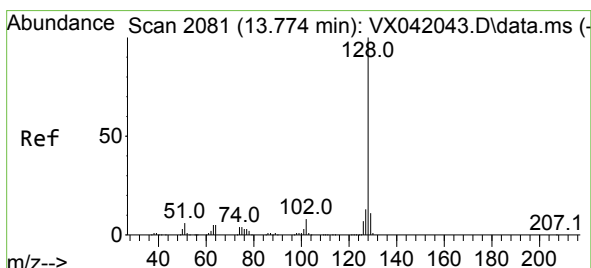
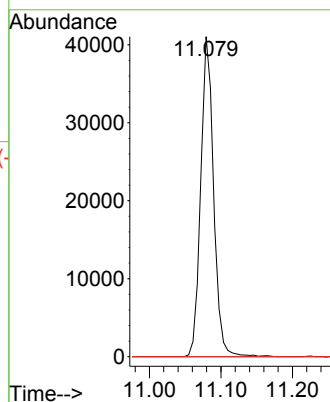
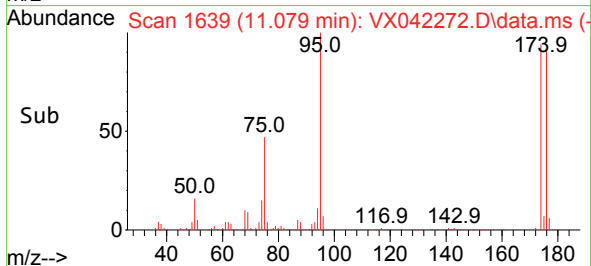


#81
trans-1,4-Dichloro-2-butene
Concen: 75.563 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07

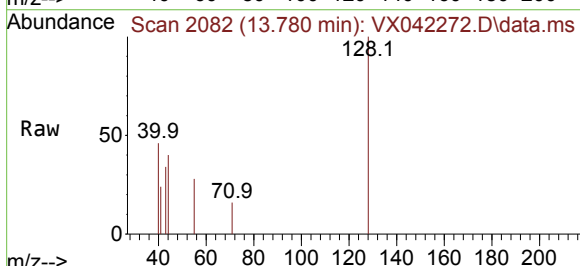
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 51328
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#95
Naphthalene
Concen: 0.827 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042272.D
Acq: 10 Jul 2024 17:07



Tgt Ion: 128 Resp: 610
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

