

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042308.D
 Acq On : 12 Jul 2024 17:21
 Operator : JC/MD
 Sample : PB162021ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

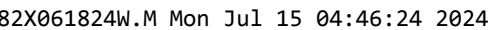
Quant Time: Jul 15 04:46:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

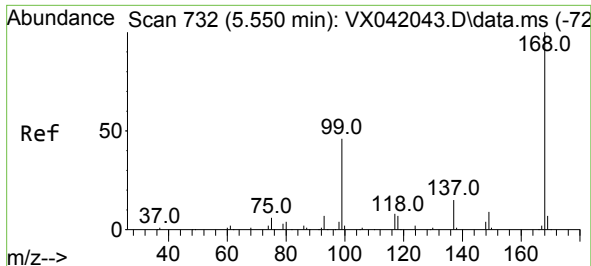
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	136989	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	214110	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196579	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78757	49.857	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.720%
35) Dibromofluoromethane	5.385	113	75321	49.579	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.160%
50) Toluene-d8	8.647	98	238428	44.674	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.340%#
62) 4-Bromofluorobenzene	11.079	95	81082	41.213	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.420%#
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	373	0.285	ug/l	# 43
5) Bromomethane	1.599	94	226	0.349	ug/l	98
6) Chloroethane	1.654	64	395	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	3056	10.194	ug/l	# 78
16) Acetone	2.386	43	24141	34.804	ug/l	# 88
17) Carbon Disulfide	2.502	76	550	0.228	ug/l	# 76
18) Methyl Acetate	2.709	43	3429	1.812	ug/l	97
20) Methylene Chloride	2.788	84	10241	6.743	ug/l	# 84
25) 2-Butanone	4.599	43	2024	1.876	ug/l	# 81
29) Tetrahydrofuran	5.044	42	518	0.743	ug/l	# 43
31) Cyclohexane	5.556	56	1861	1.007	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	7515	4.658	ug/l	# 51
37) Ethyl Acetate	4.739	43	1515	0.721	ug/l	# 77
38) Carbon Tetrachloride	5.550	117	11450	6.424	ug/l	# 15
43) Isopropyl Acetate	6.342	43	102501	31.776	ug/l	# 93
48) Methyl methacrylate	7.799	41	89677	58.252	ug/l	# 45
49) 1,4-Dioxane	7.799	88	177	24.190	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	76586	34.467	ug/l	# 52
53) t-1,3-Dichloropropene	8.958	75	781	1.307	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	40704	20.774	ug/l	# 51
57) 1,3-Dichloropropane	9.482	76	5419	2.324	ug/l	# 42
59) 2-Hexanone	9.482	43	66797	39.249	ug/l	# 55
74) N-amyl acetate	10.817	43	811	0.359	ug/l	# 44
76) 1,2,3-Trichloropropane	11.079	75	36878	24.280	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	36878	68.953	ug/l	# 5
95) Naphthalene	13.786	128	152	0.773	ug/l	# 69

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

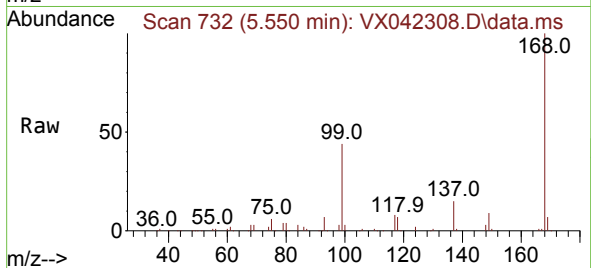
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 21 23:51:58 2024
Response via : Initial Calibration



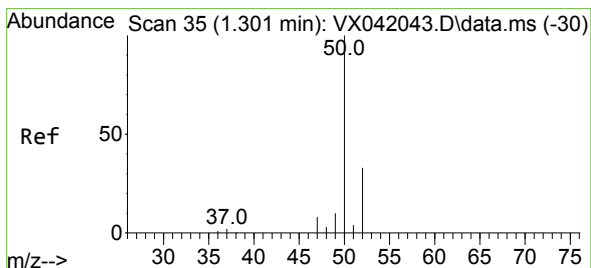
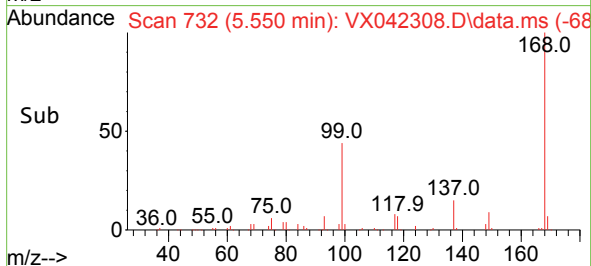
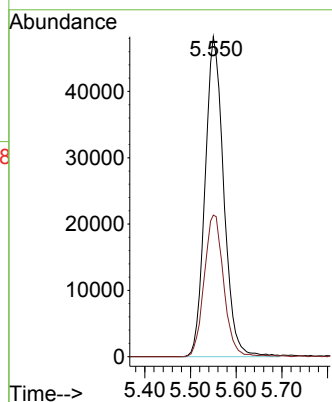


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :

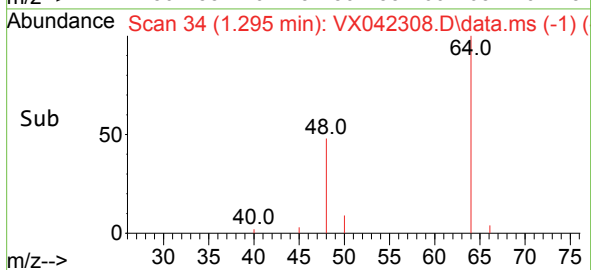
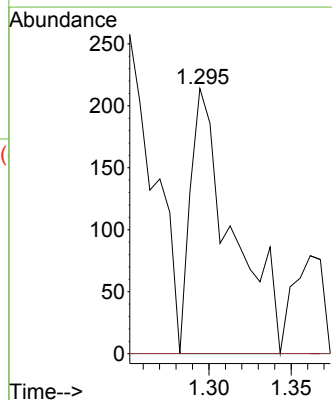
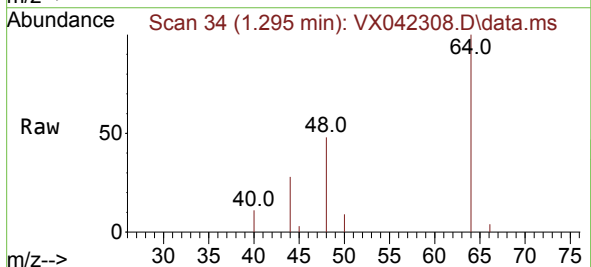


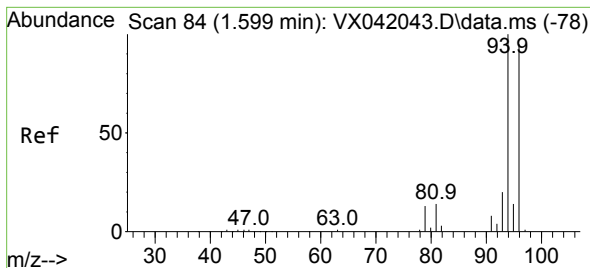
Tgt Ion:168 Resp: 136989
Ion Ratio Lower Upper
168 100
99 44.2 56.6 85.0#



#3
Chloromethane
Concen: 0.285 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.012 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

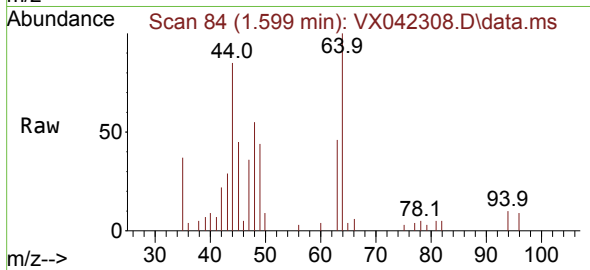
Tgt Ion: 50 Resp: 373
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



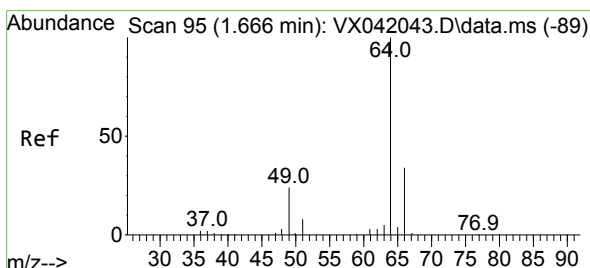
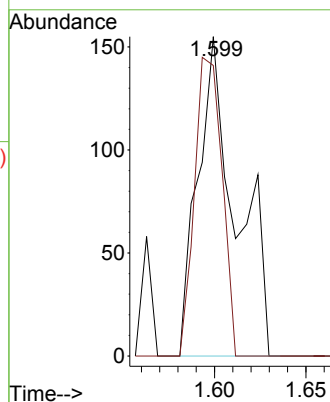
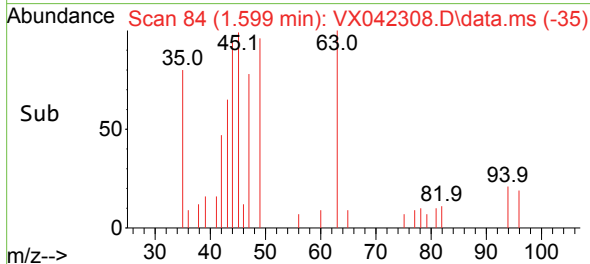


#5
Bromomethane
Concen: 0.349 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :

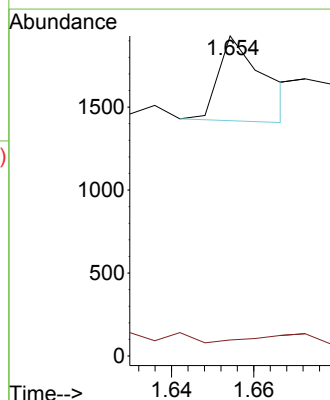
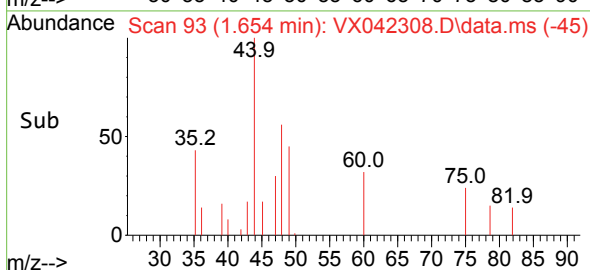
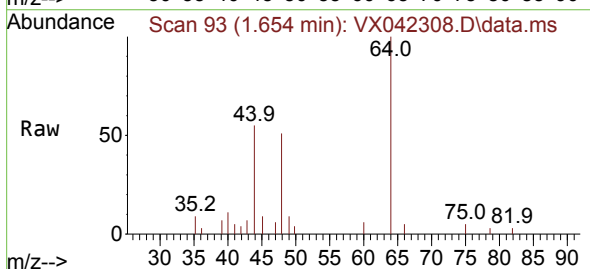


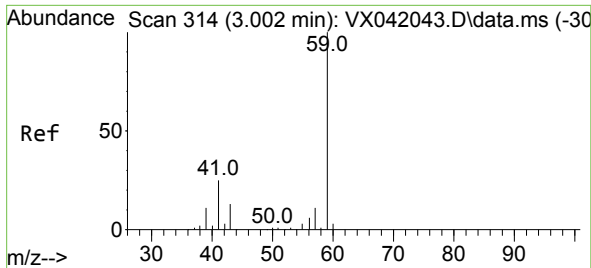
Tgt Ion: 94 Resp: 226
Ion Ratio Lower Upper
94 100
96 91.0 74.6 111.8



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Tgt Ion: 64 Resp: 395
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

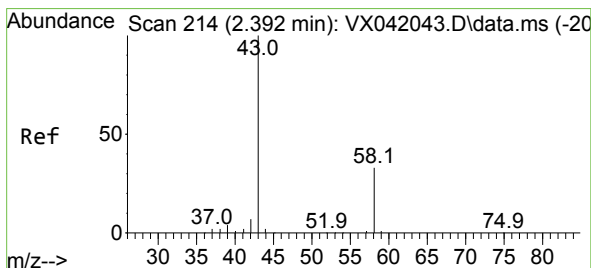
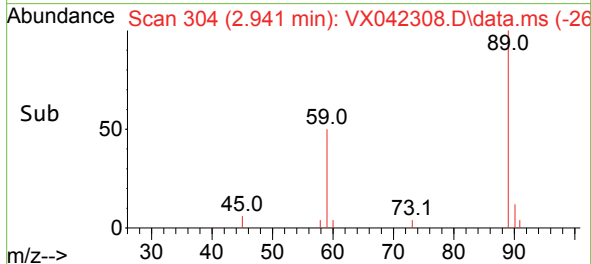
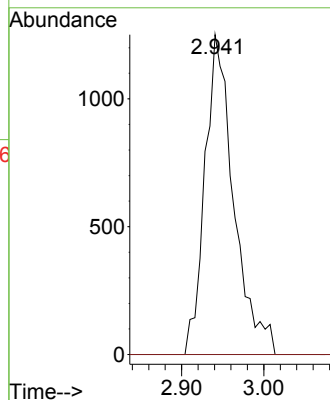
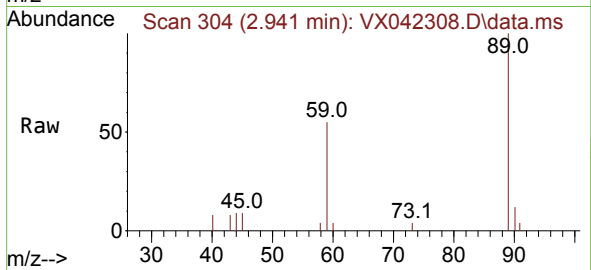




#11
Tert butyl alcohol
Concen: 10.194 ug/l
RT: 2.941 min Scan# 30
Delta R.T. -0.067 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

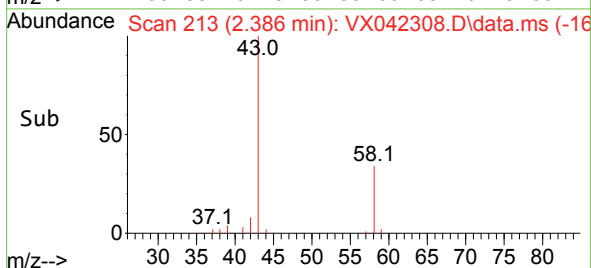
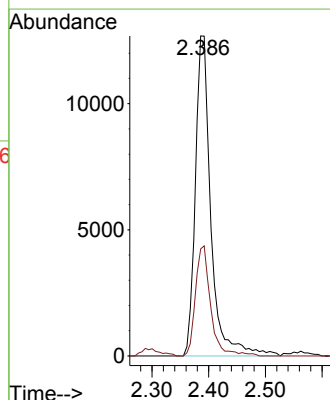
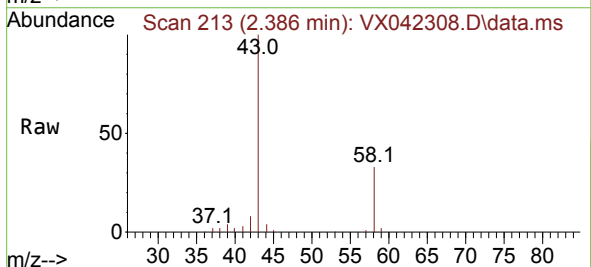
Instrument :
MSVOA_X
ClientSampleId :

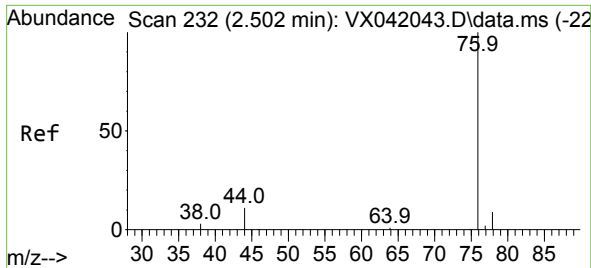
Tgt Ion: 59 Resp: 3056
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 34.804 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.012 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

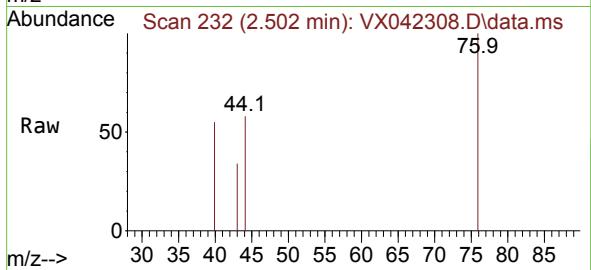
Tgt Ion: 43 Resp: 24141
Ion Ratio Lower Upper
43 100
58 33.5 21.9 32.9#



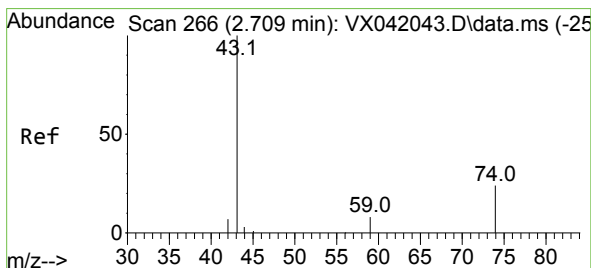
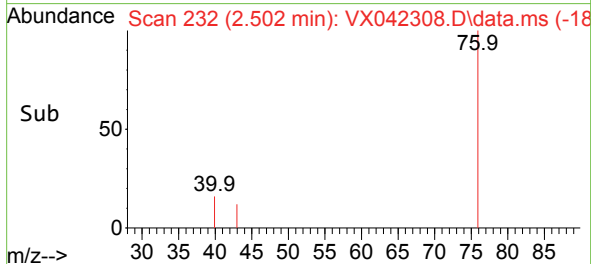
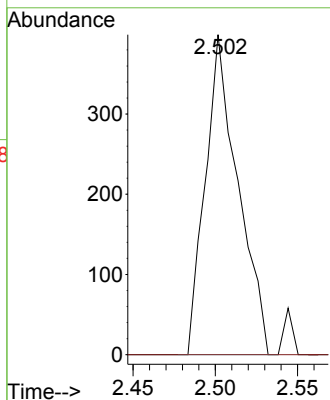


#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 2.502 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :

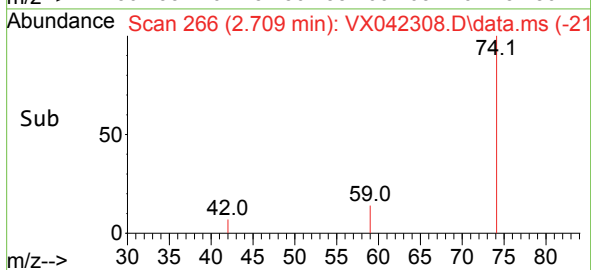
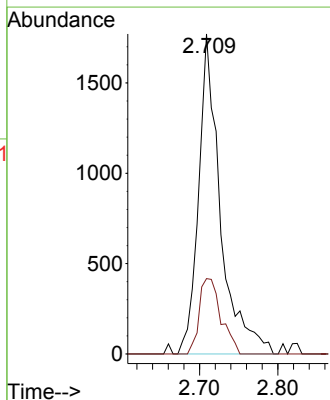
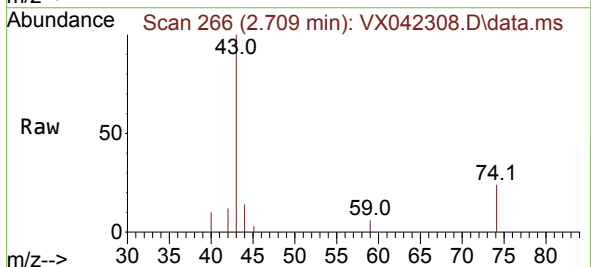


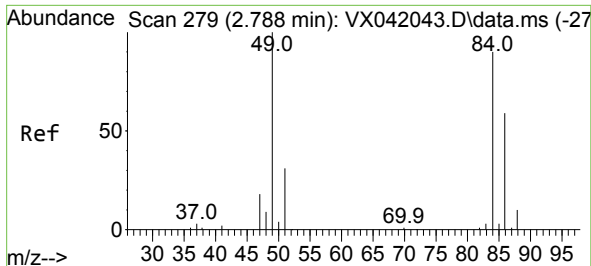
Tgt Ion: 76 Resp: 550
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 1.812 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Tgt Ion: 43 Resp: 3429
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.8





#20

Methylene Chloride

Concen: 6.743 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

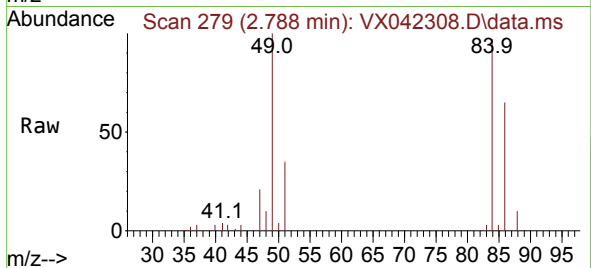
Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 10241

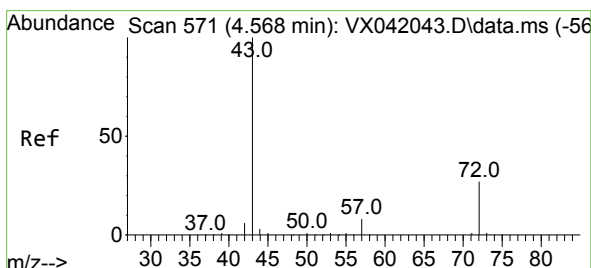
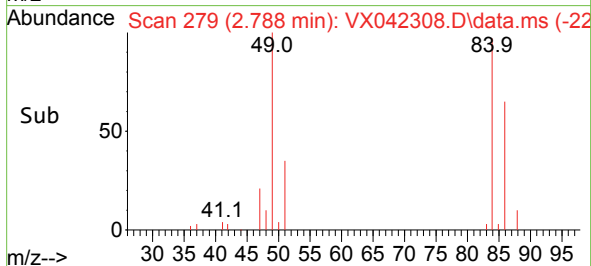
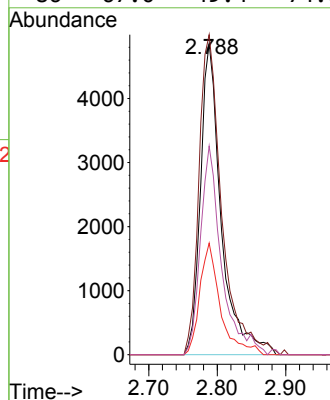
Ion Ratio Lower Upper

84 100

49 102.9 103.6 155.4#

51 35.8 33.8 50.6

86 67.0 49.4 74.0



#25

2-Butanone

Concen: 1.876 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.025 min

Lab File: VX042308.D

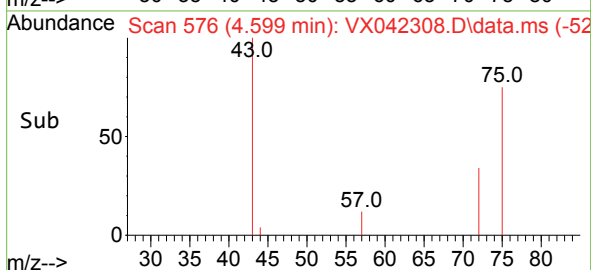
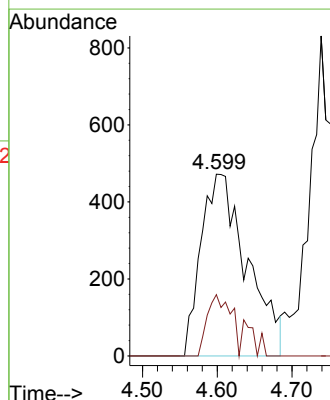
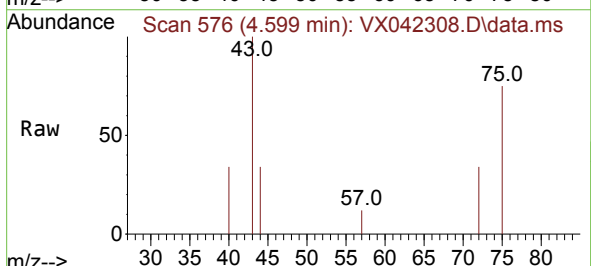
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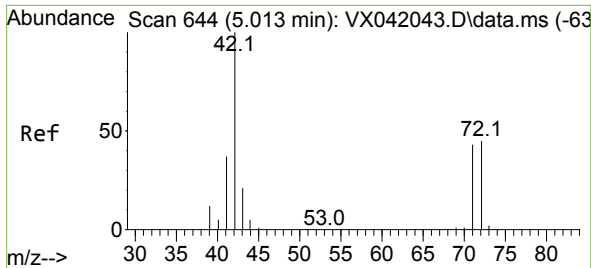
Tgt Ion: 43 Resp: 2024

Ion Ratio Lower Upper

43 100

72 33.7 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.743 ug/l

RT: 5.044 min Scan# 644

Delta R.T. 0.025 min

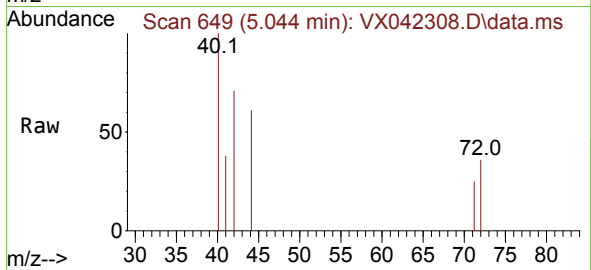
Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :



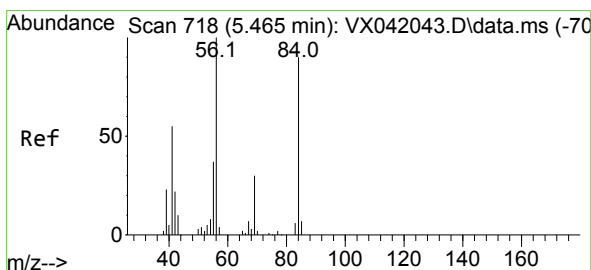
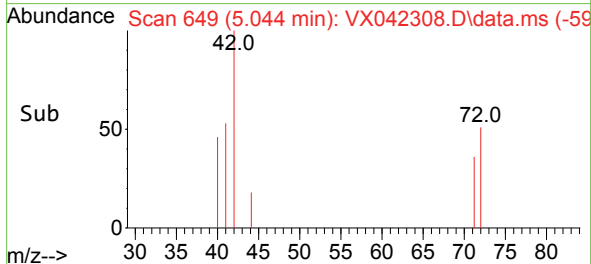
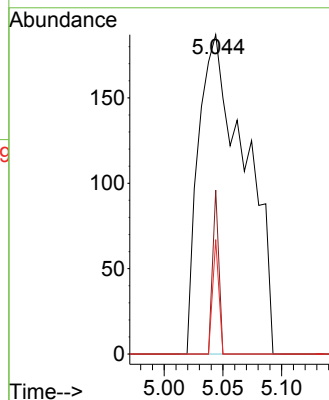
Tgt Ion: 42 Resp: 518

Ion Ratio Lower Upper

42 100

72 6.8 34.2 51.4#

71 4.8 32.2 48.2#



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.092 min

Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

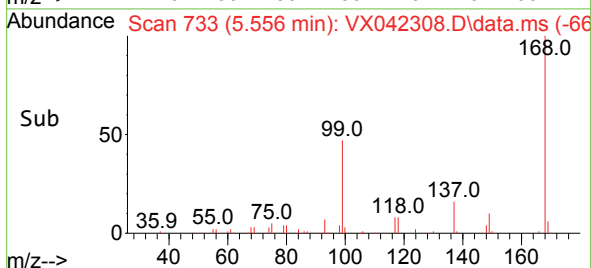
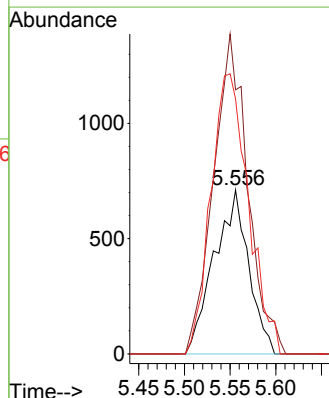
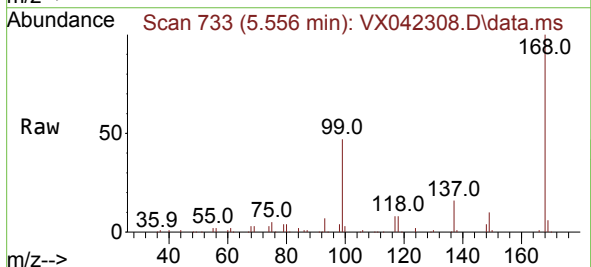
Tgt Ion: 56 Resp: 1861

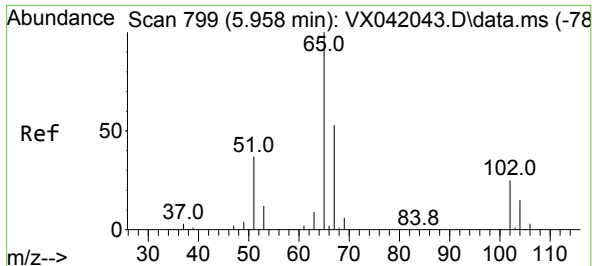
Ion Ratio Lower Upper

56 100

69 161.2 23.4 35.2#

84 155.6 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.857 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

Instrument :

MSVOA_X

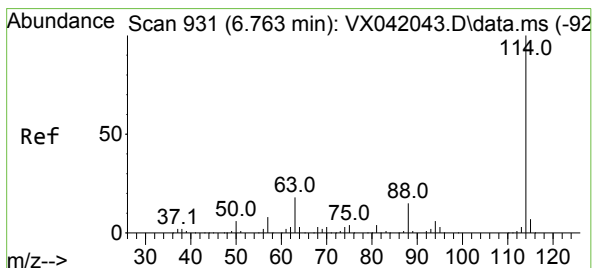
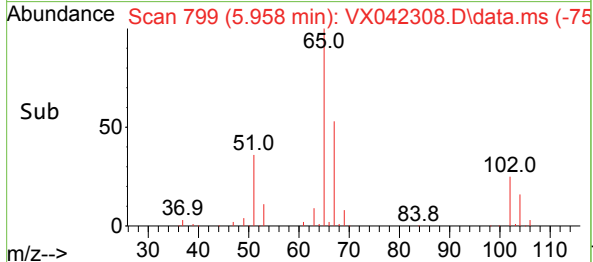
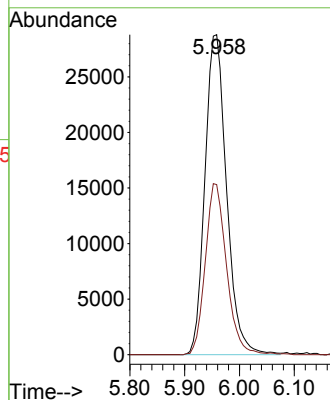
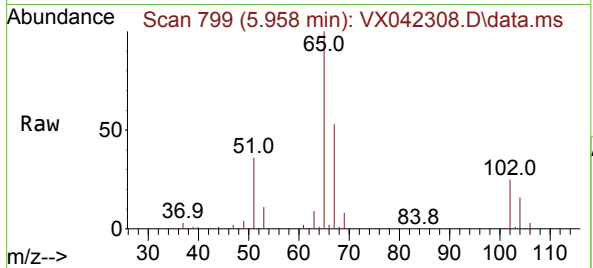
ClientSampleId :

Tgt Ion: 65 Resp: 78757

Ion Ratio Lower Upper

65 100

67 52.7 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: VX042308.D

Acq: 12 Jul 2024 17:21

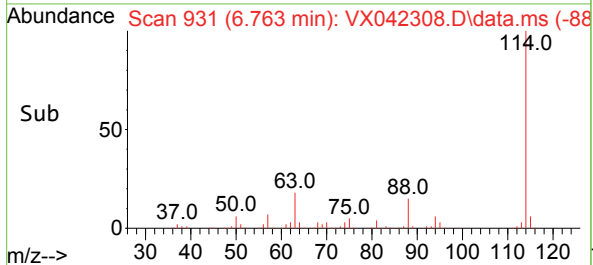
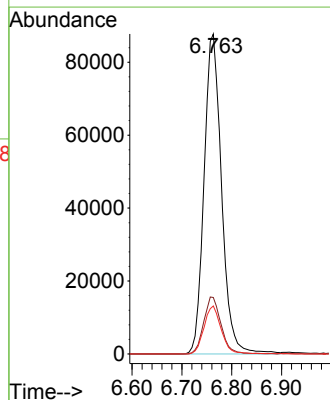
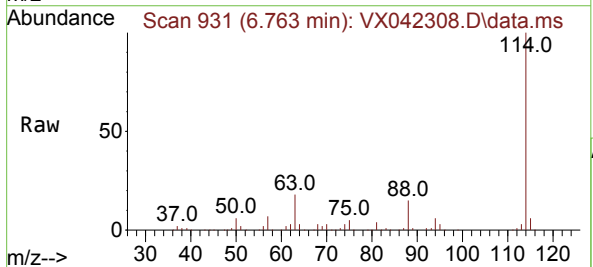
Tgt Ion: 114 Resp: 214110

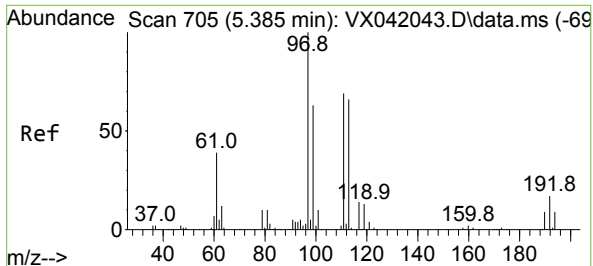
Ion Ratio Lower Upper

114 100

63 17.6 0.0 45.0

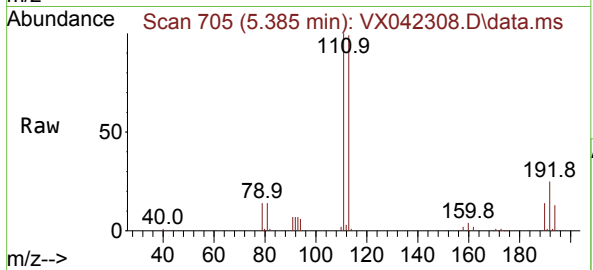
88 15.0 0.0 36.6



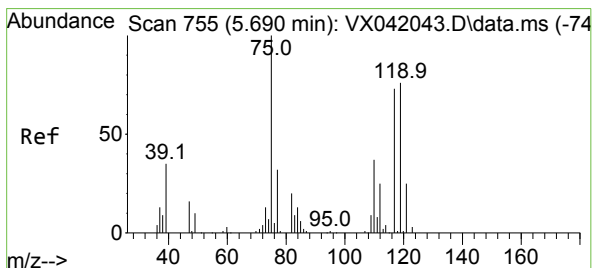
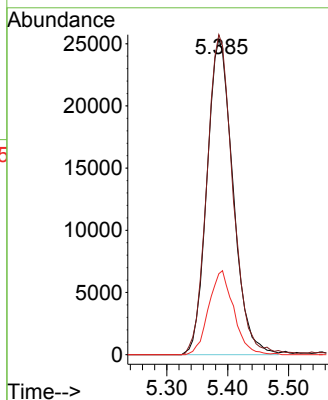
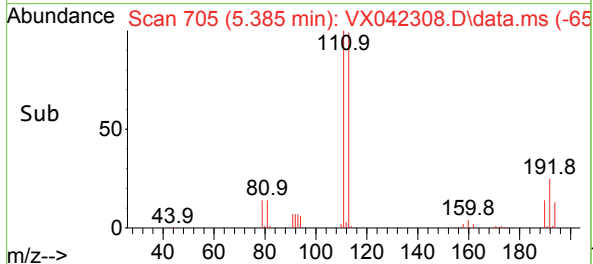


#35
Dibromofluoromethane
Concen: 49.579 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

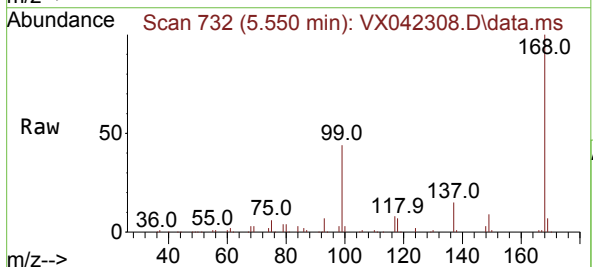
Instrument :
MSVOA_X
ClientSampleId :



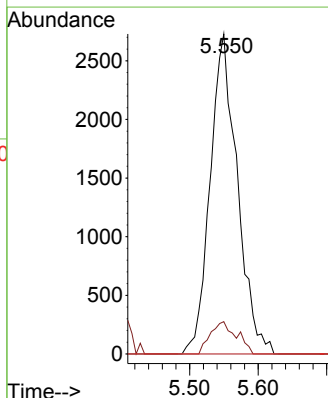
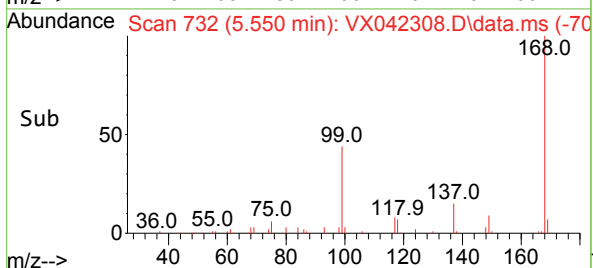
Tgt Ion:113 Resp: 75321
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 25.6 13.3 19.9#

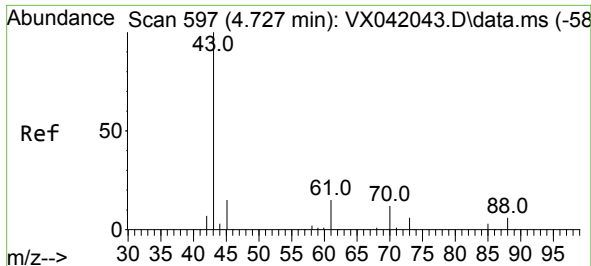


#36
1,1-Dichloropropene
Concen: 4.658 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21



Tgt Ion: 75 Resp: 7515
Ion Ratio Lower Upper
75 100
110 9.8 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.721 ug/l

RT: 4.739 min Scan# 599

Delta R.T. 0.012 min

Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

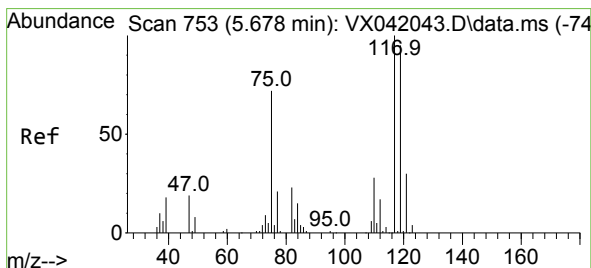
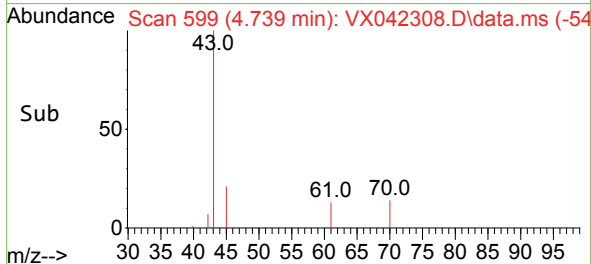
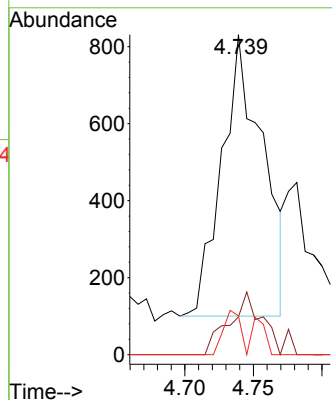
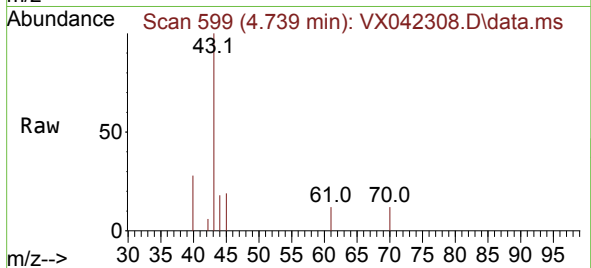
Tgt Ion: 43 Resp: 1515

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 6.5 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.424 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

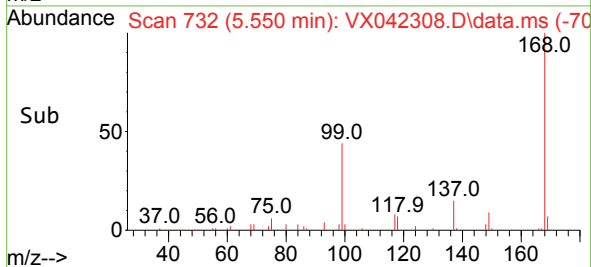
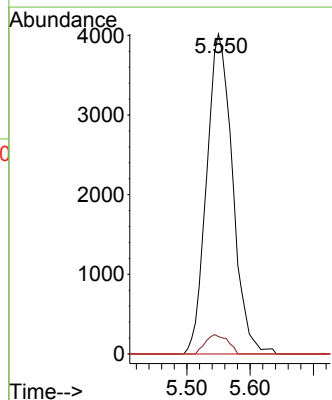
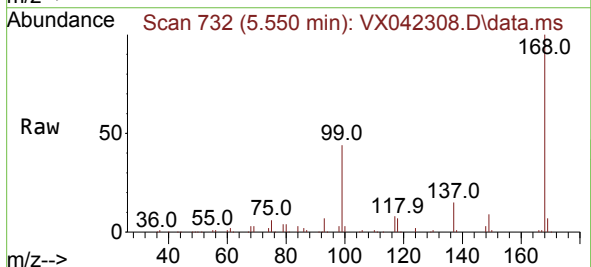
Tgt Ion: 117 Resp: 11450

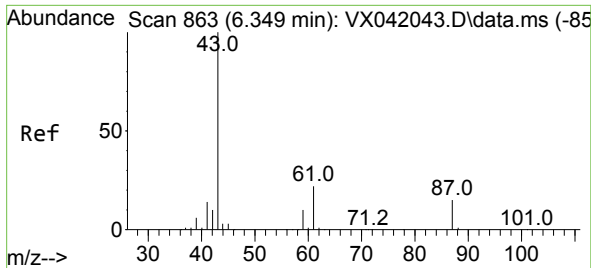
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.2#

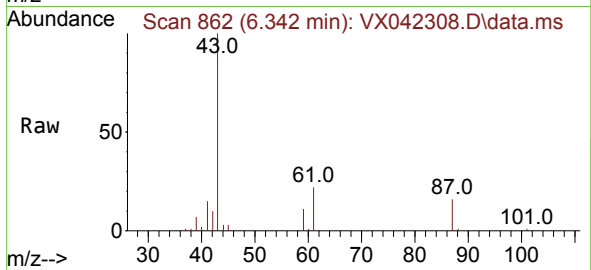
121 0.0 24.4 36.6#



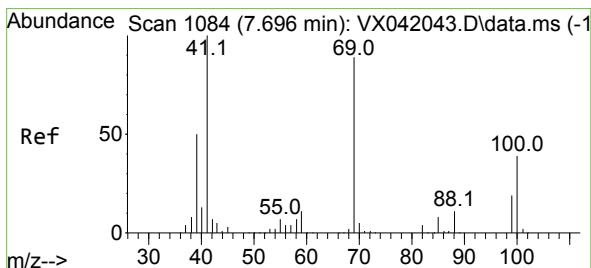
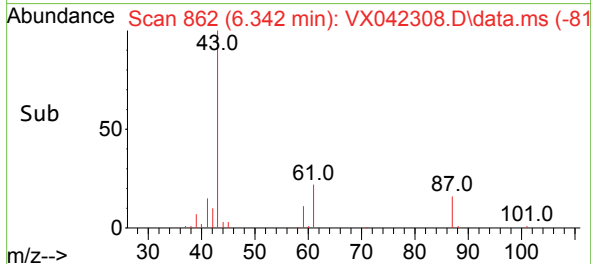
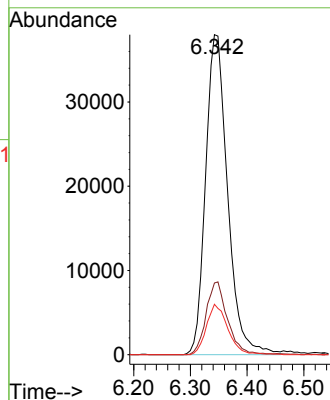


#43
Isopropyl Acetate
Concen: 31.776 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :

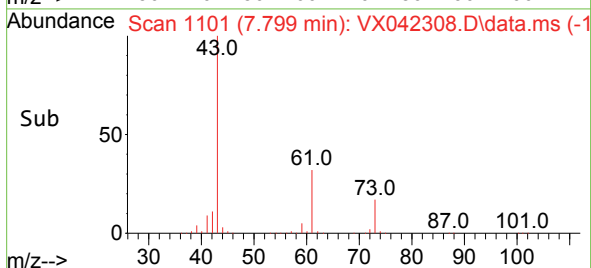
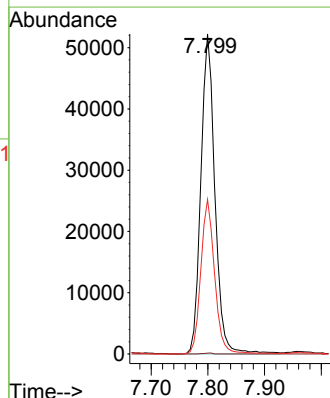
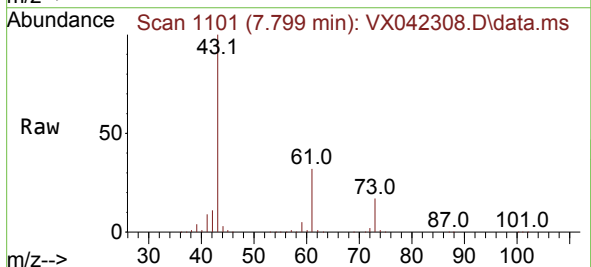


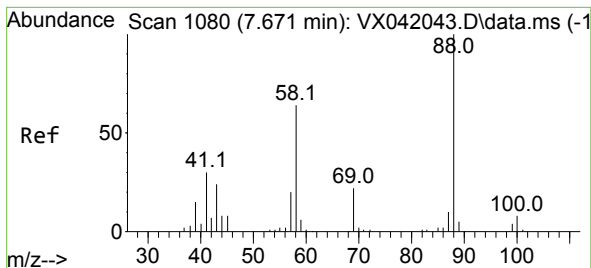
Tgt Ion: 43 Resp: 102501
Ion Ratio Lower Upper
43 100
61 22.1 15.2 22.8
87 15.3 9.8 14.6#



#48
Methyl methacrylate
Concen: 58.252 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Tgt Ion: 41 Resp: 89677
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 47.6 47.7 71.5#





#49

1,4-Dioxane

Concen: 24.190 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.134 min

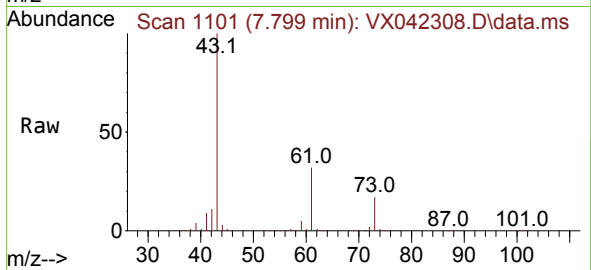
Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :



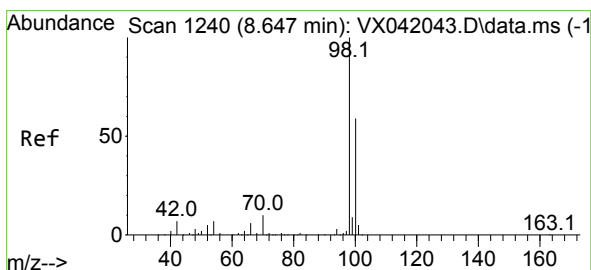
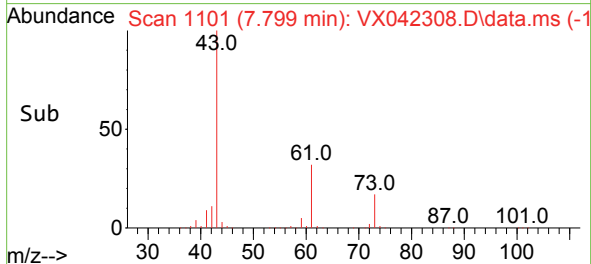
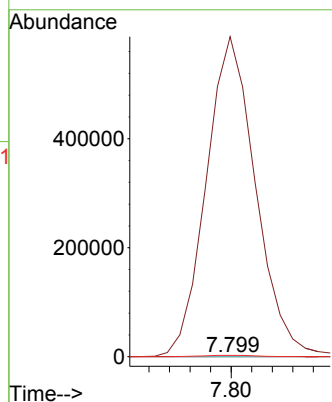
Tgt Ion: 88 Resp: 177

Ion Ratio Lower Upper

88 100

43 563105.6 0.0 0.0#

58 2659.9 60.1 90.1#



#50

Toluene-d8

Concen: 44.674 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX042308.D

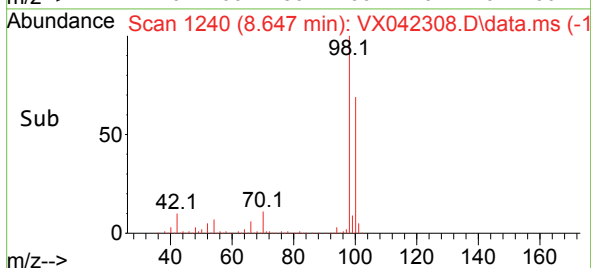
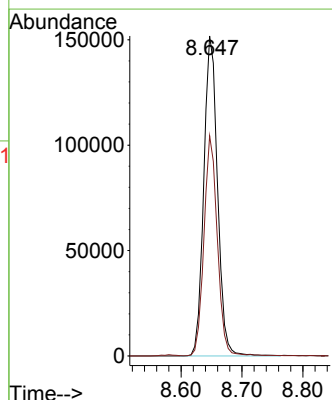
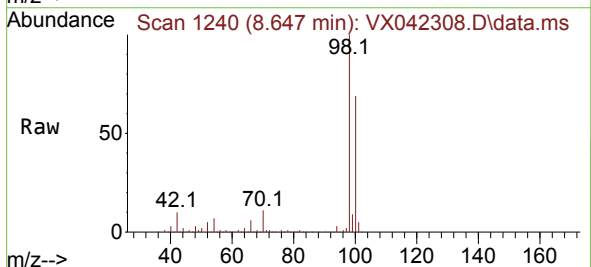
Acq: 12 Jul 2024 17:21

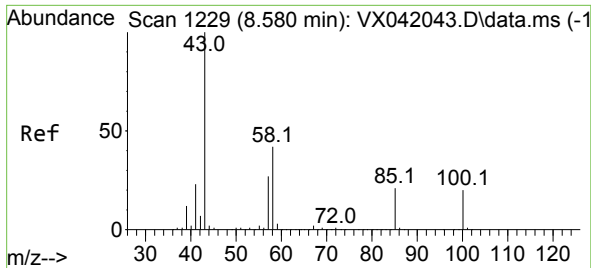
Tgt Ion: 98 Resp: 238428

Ion Ratio Lower Upper

98 100

100 67.0 53.1 79.7

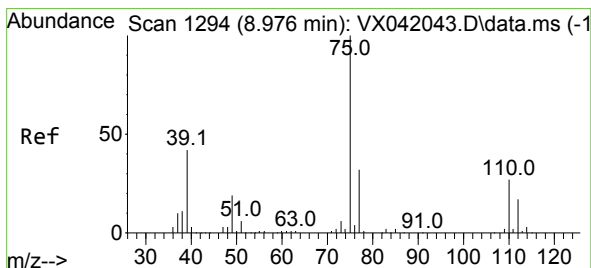
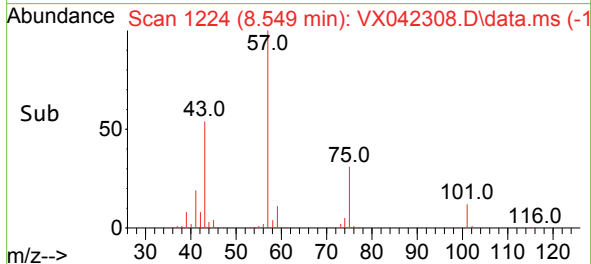
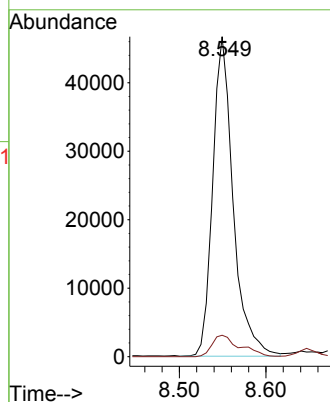
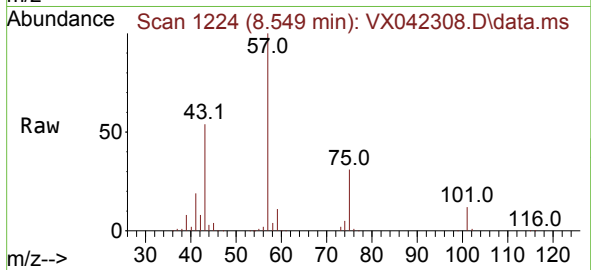




#51
4-Methyl-2-Pentanone
Concen: 34.467 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

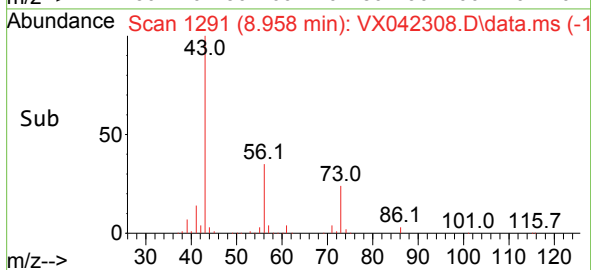
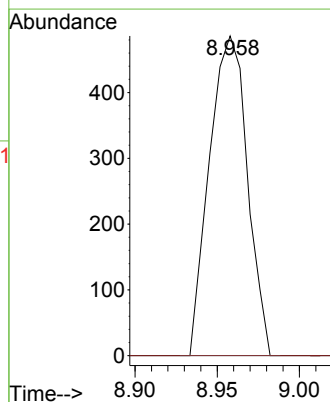
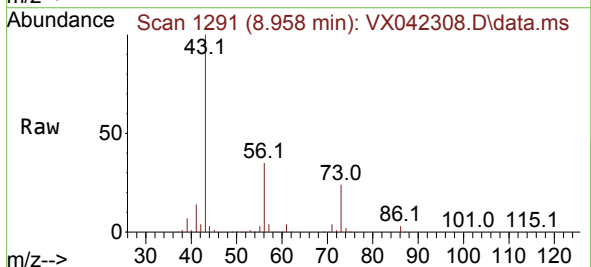
Instrument :
MSVOA_X
ClientSampleId :

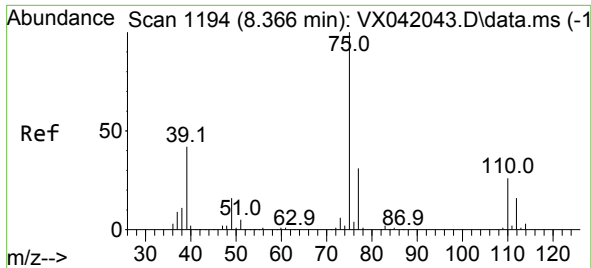
Tgt Ion: 43 Resp: 76586
Ion Ratio Lower Upper
43 100
58 9.2 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 1.307 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.024 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Tgt Ion: 75 Resp: 781
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#

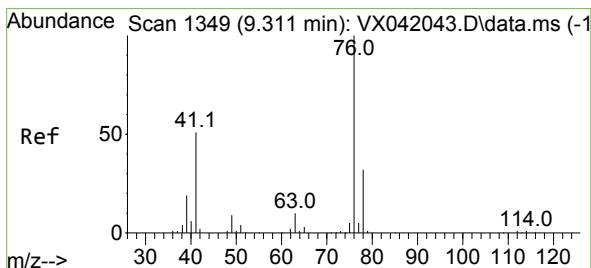
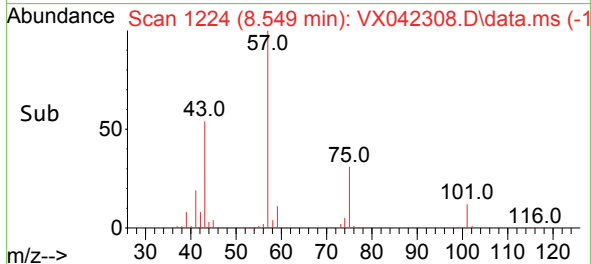
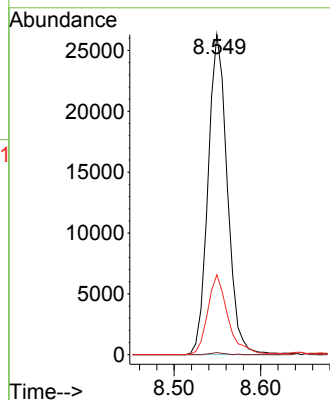
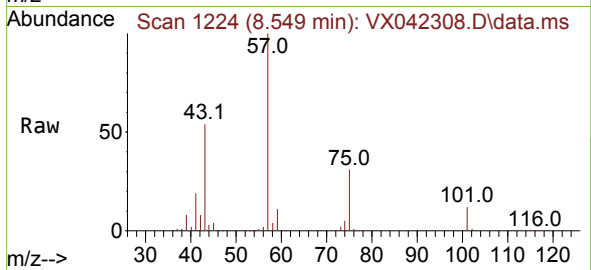




#54
cis-1,3-Dichloropropene
Concen: 20.774 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

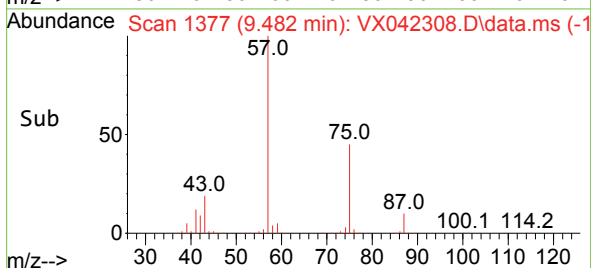
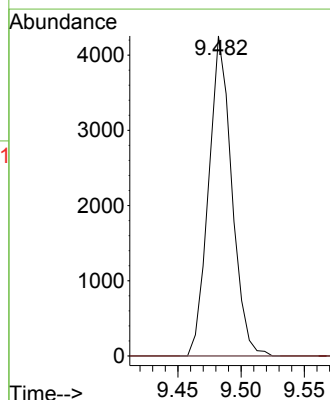
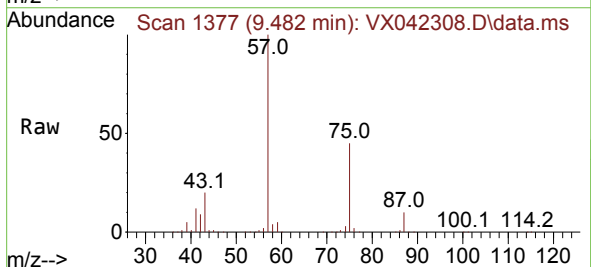
Instrument :
MSVOA_X
ClientSampleId :

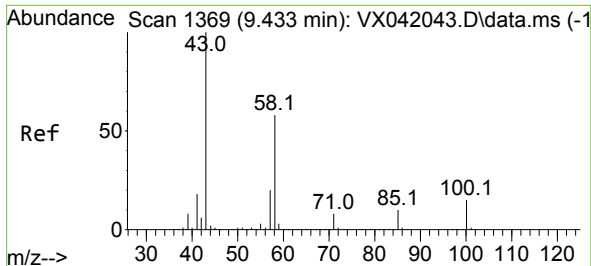
Tgt Ion: 75 Resp: 40704
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 24.9 46.7 70.1#



#57
1,3-Dichloropropane
Concen: 2.324 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Tgt Ion: 76 Resp: 5419
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

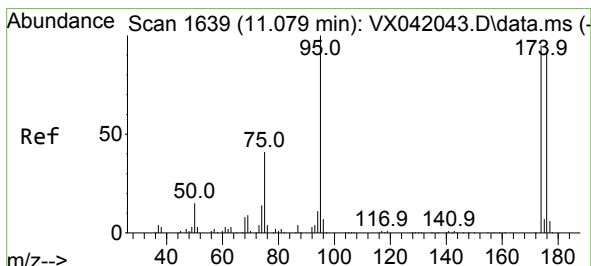
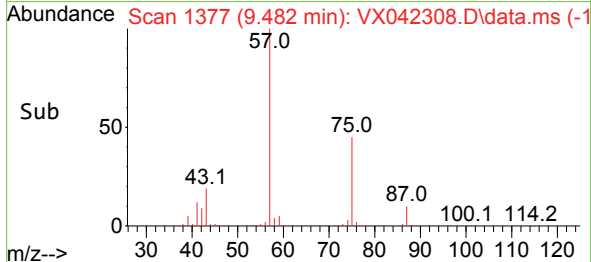
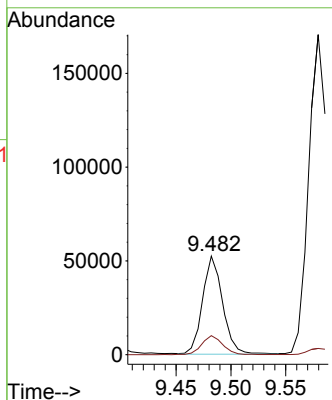
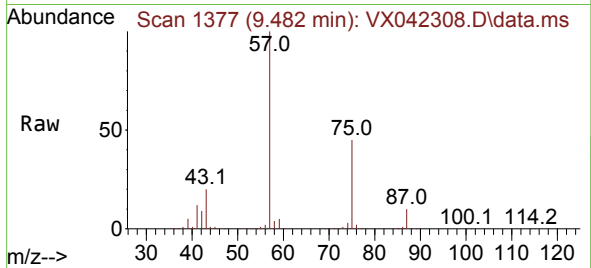




#59
2-Hexanone
Concen: 39.249 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

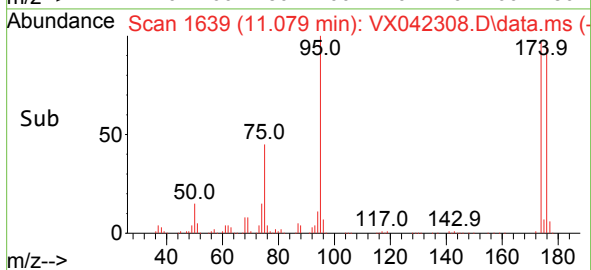
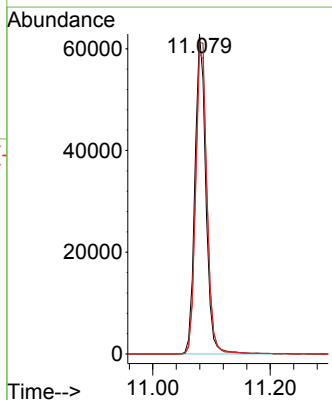
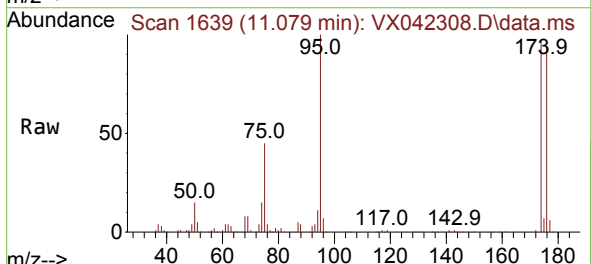
Instrument :
MSVOA_X
ClientSampleId :

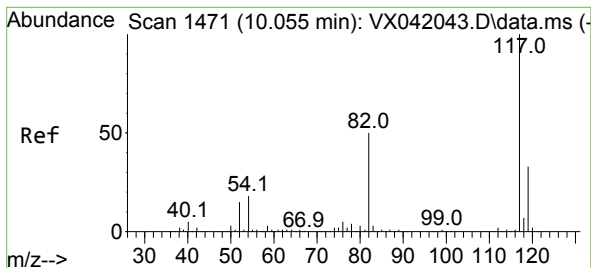
Tgt Ion: 43 Resp: 66797
Ion Ratio Lower Upper
43 100
58 20.5 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 41.213 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Tgt Ion: 95 Resp: 81082
Ion Ratio Lower Upper
95 100
174 102.2 0.0 135.6
176 98.2 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042308.D

Acq: 12 Jul 2024 17:21

Instrument :

MSVOA_X

ClientSampleId :

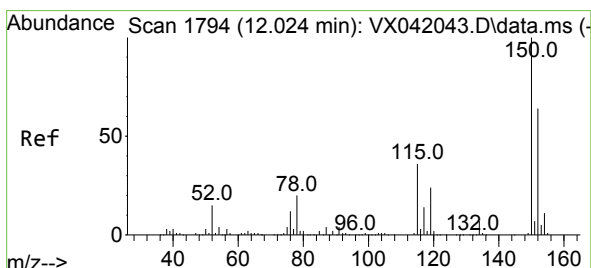
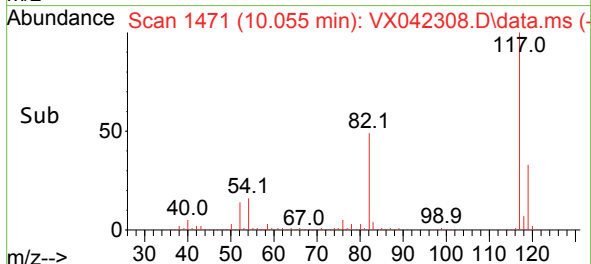
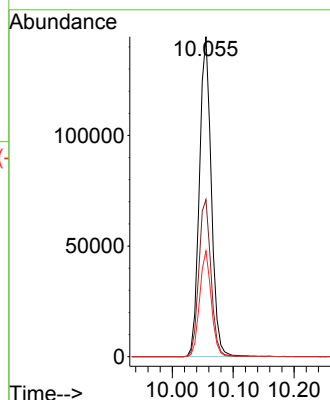
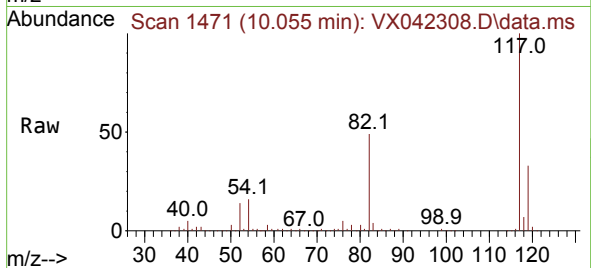
Tgt Ion:117 Resp: 196579

Ion Ratio Lower Upper

117 100

82 49.1 46.2 69.4

119 33.0 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: VX042308.D

Acq: 12 Jul 2024 17:21

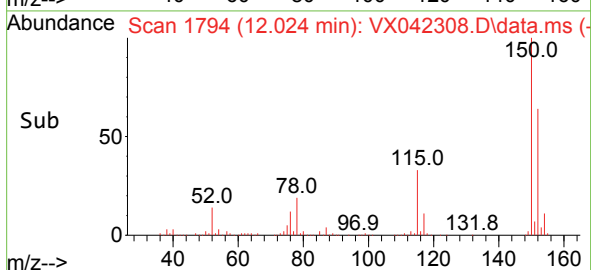
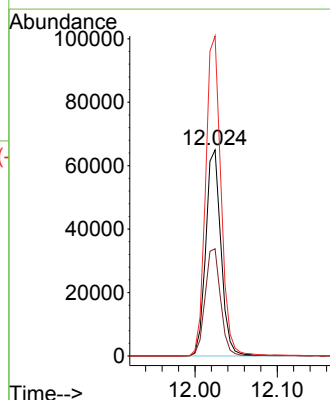
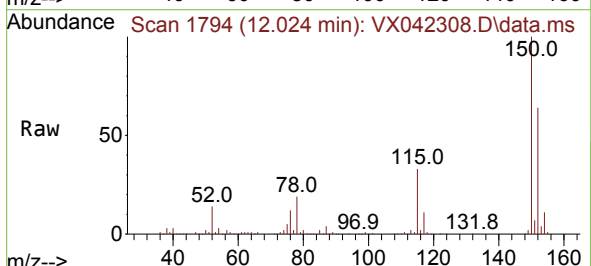
Tgt Ion:152 Resp: 83665

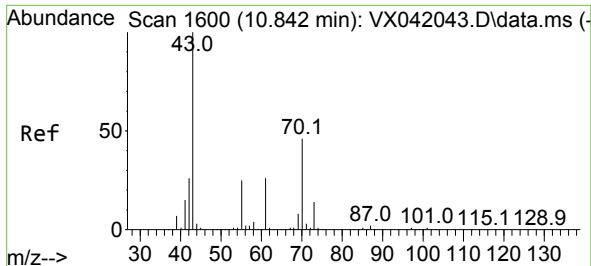
Ion Ratio Lower Upper

152 100

115 53.1 43.3 129.9

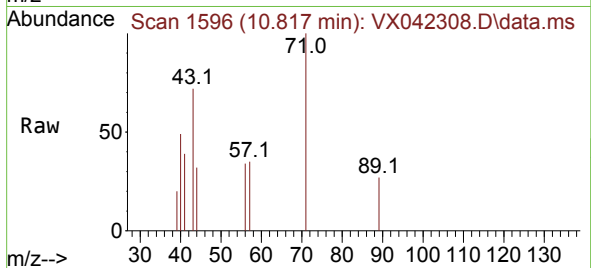
150 156.4 0.0 345.0



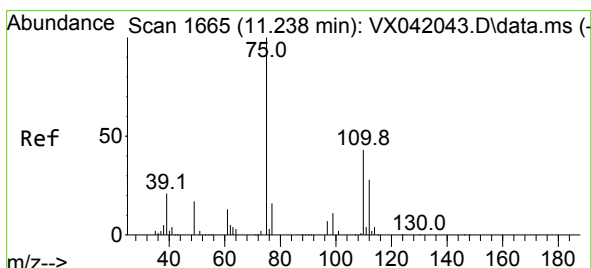
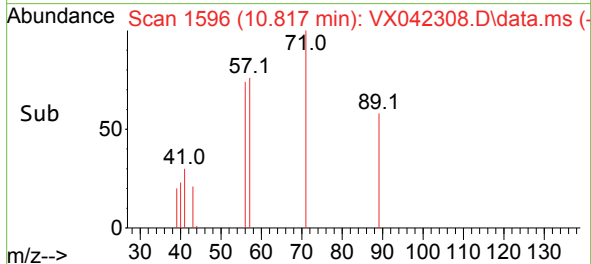
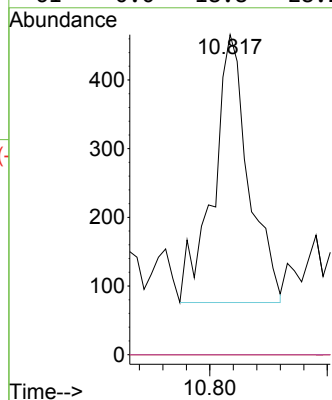


#74
N-amy1 acetate
Concen: 0.359 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

Instrument :
MSVOA_X
ClientSampleId :

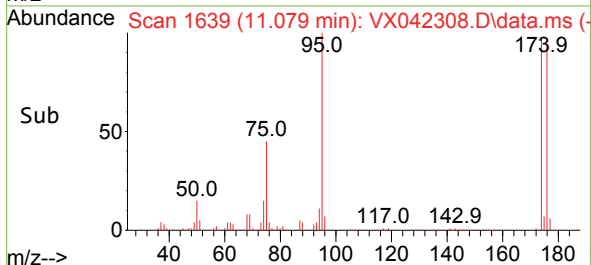
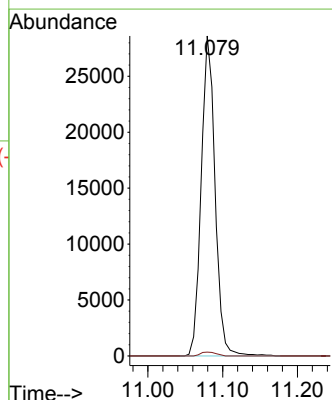
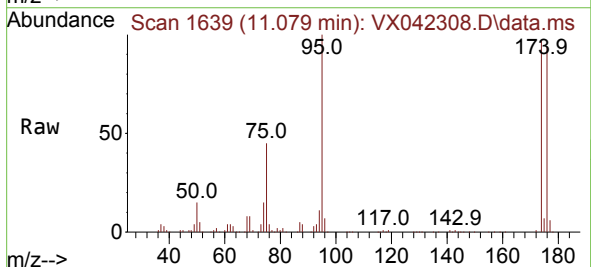


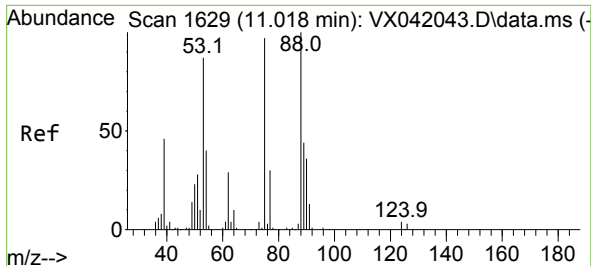
Tgt Ion: 43	Resp: 811
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 0.0	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.280 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

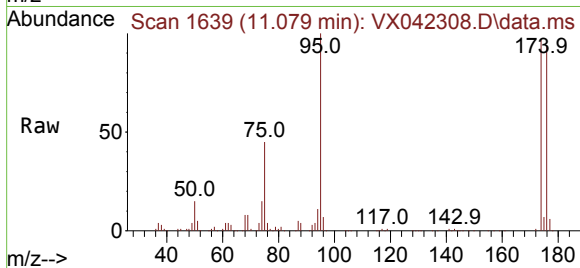
Tgt Ion: 75	Resp: 36878		
Ion Ratio	Lower	Upper	
75 100			
77 1.4	19.1	57.5#	



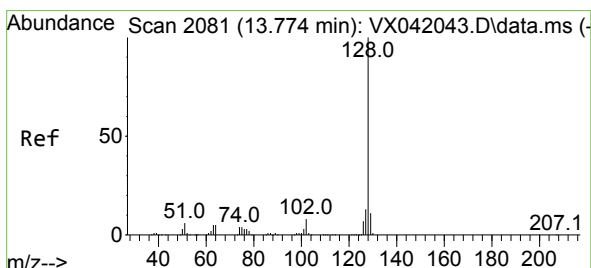
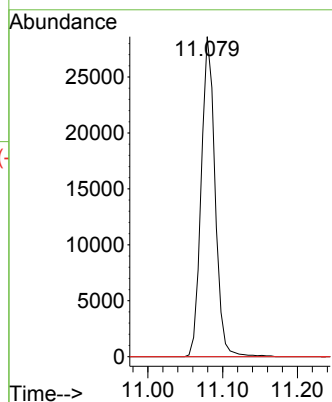
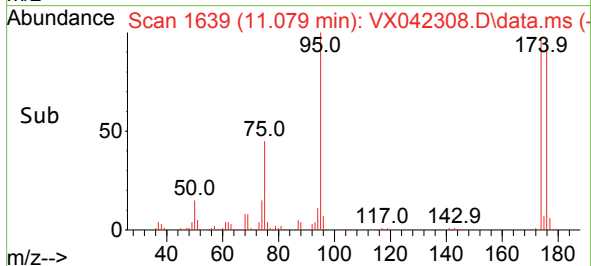


#81
trans-1,4-Dichloro-2-butene
Concen: 68.953 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX042308.D
Acq: 12 Jul 2024 17:21

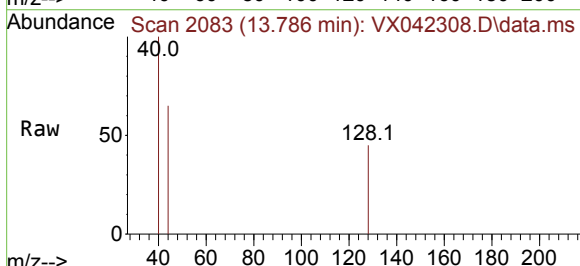
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 36878
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: VX042308.D
Acq: 12 Jul 2024 17:21



Tgt Ion: 128 Resp: 152
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

