

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071224\
 Data File : VX042310.D
 Acq On : 12 Jul 2024 18:08
 Operator : JC/MD
 Sample : PB162021ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

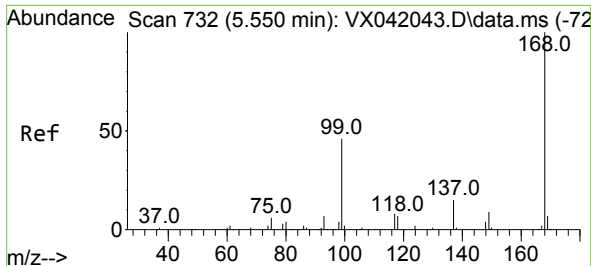
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 15 04:47:03 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)

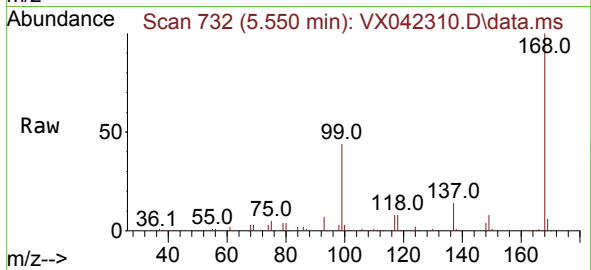
Internal Standards						
1) Pentafluorobenzene	5.550	168	146081	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	238055	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109681	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85802	50.936	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.880%	
35) Dibromofluoromethane	5.385	113	82908	49.083	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	98.160%	
50) Toluene-d8	8.646	98	266139	44.850	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	89.700%#	
62) 4-Bromofluorobenzene	11.079	95	101656	46.473	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	92.940%	
Target Compounds						
						Qvalue
6) Chloroethane	1.654	64	443	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	3148	9.847	ug/l	# 78
16) Acetone	2.385	43	26182	35.397	ug/l	90
18) Methyl Acetate	2.709	43	3889	1.927	ug/l	92
20) Methylene Chloride	2.788	84	7090	4.378	ug/l	88
25) 2-Butanone	4.592	43	2453	2.132	ug/l	95
29) Tetrahydrofuran	5.031	42	332	0.447	ug/l	# 34
31) Cyclohexane	5.550	56	1925	0.977	ug/l	# 1
36) 1,1-Dichloropropene	5.543	75	8294	4.624	ug/l	# 51
37) Ethyl Acetate	4.739	43	2026	0.867	ug/l	# 88
38) Carbon Tetrachloride	5.550	117	12163	6.137	ug/l	# 16
43) Isopropyl Acetate	6.342	43	108076	30.134	ug/l	# 93
48) Methyl methacrylate	7.799	41	92391	53.978	ug/l	# 44
49) 1,4-Dioxane	7.805	88	178	23.783	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	80872	32.735	ug/l	# 52
53) t-1,3-Dichloropropene	8.951	75	756	1.253	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	43742	20.079	ug/l	# 49
57) 1,3-Dichloropropane	9.482	76	5630	2.171	ug/l	# 42
59) 2-Hexanone	9.482	43	70724	37.377	ug/l	# 55
74) N-amyl acetate	10.817	43	795	0.268	ug/l	# 48
76) 1,2,3-Trichloropropane	11.079	75	46541	23.374	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	46541	66.380	ug/l	# 5
95) Naphthalene	13.786	128	119	0.763	ug/l	# 69

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

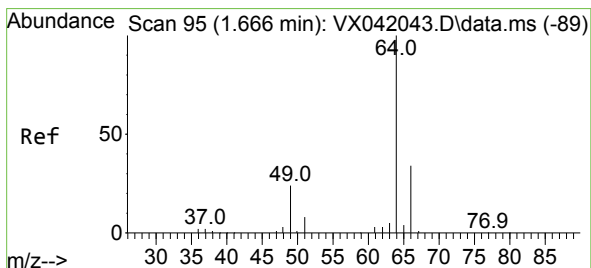
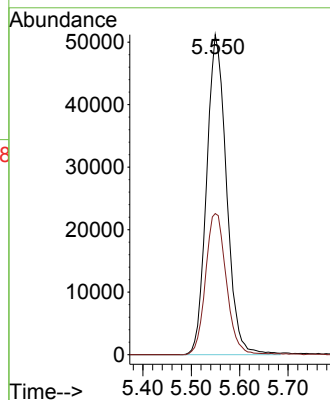
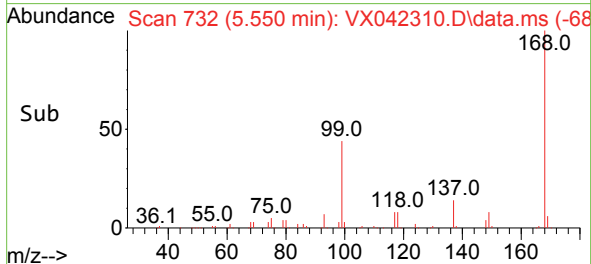


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

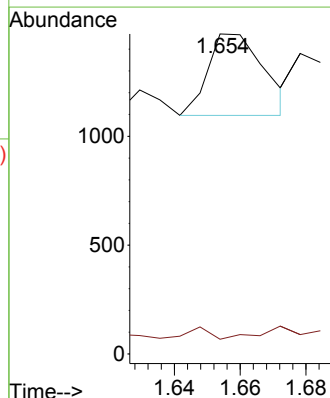
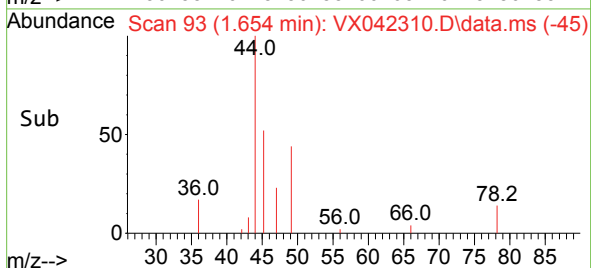
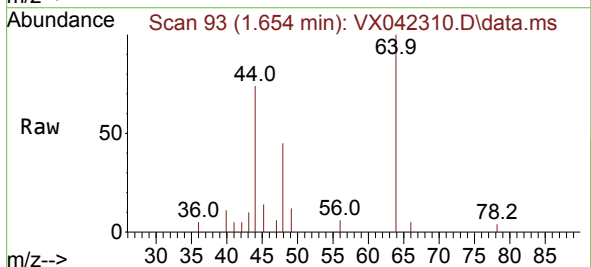


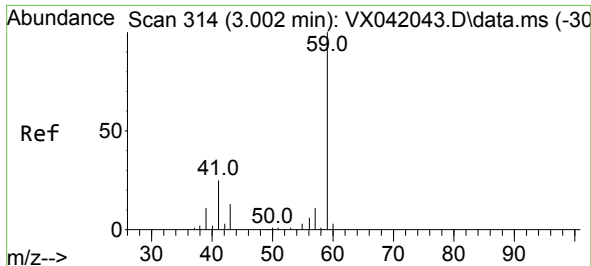
Tgt Ion:168 Resp: 146081
Ion Ratio Lower Upper
168 100
99 44.1 56.6 85.0#



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Tgt Ion: 64 Resp: 443
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 9.847 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.061 min

Lab File: VX042310.D

Acq: 12 Jul 2024 18:08

Instrument :

MSVOA_X

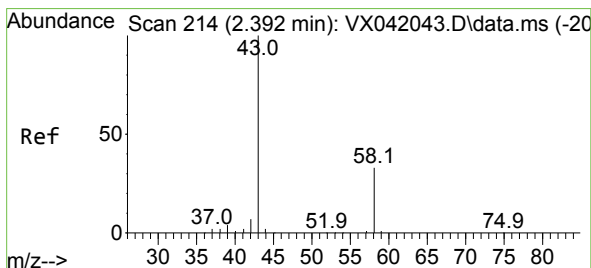
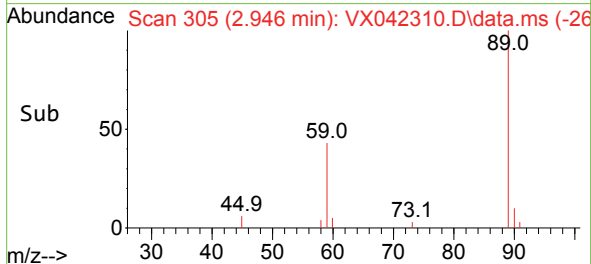
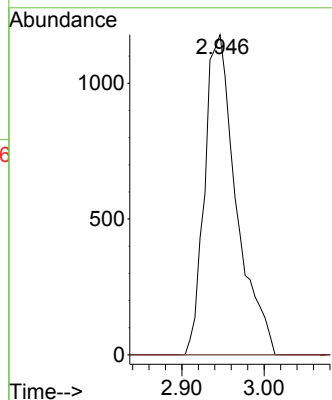
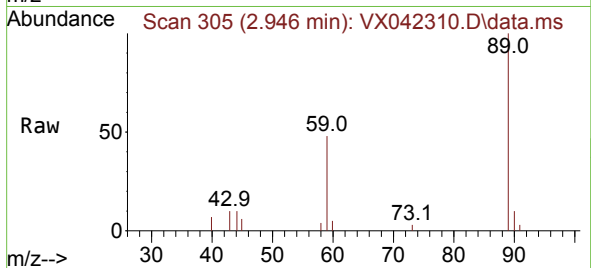
ClientSampleId :

Tgt Ion: 59 Resp: 3148

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 35.397 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.012 min

Lab File: VX042310.D

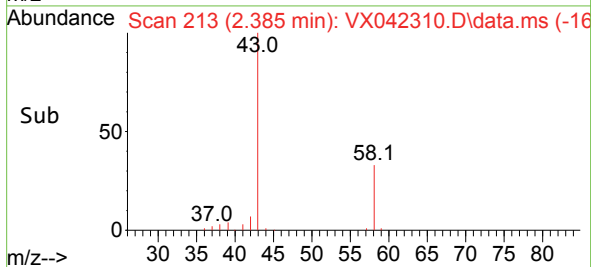
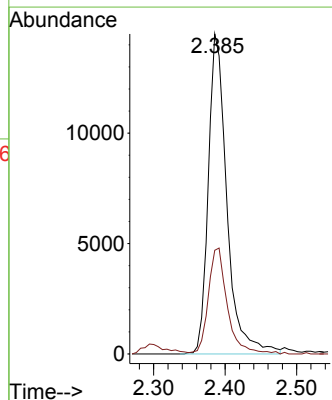
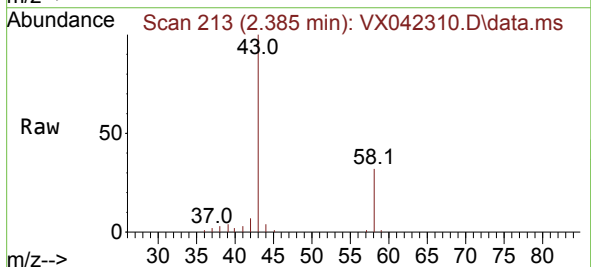
Acq: 12 Jul 2024 18:08

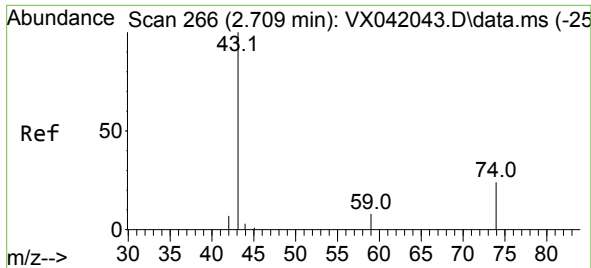
Tgt Ion: 43 Resp: 26182

Ion Ratio Lower Upper

43 100

58 32.4 21.9 32.9

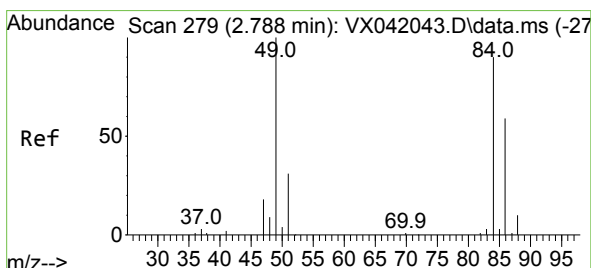
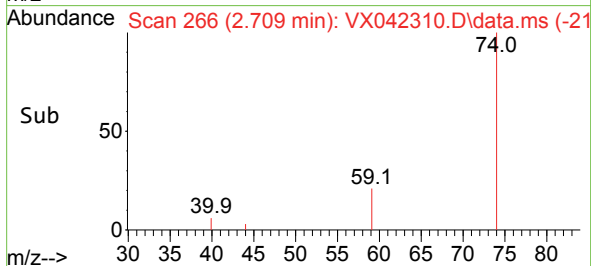
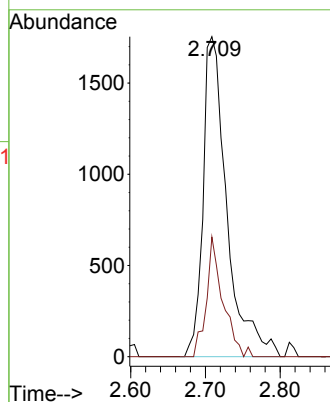
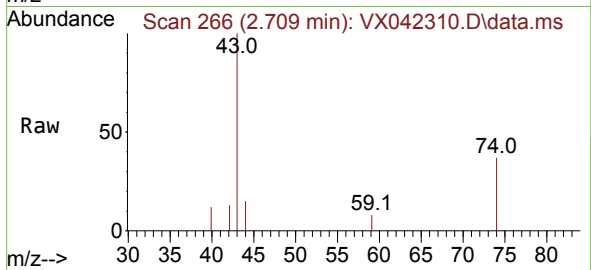




#18
Methyl Acetate
Concen: 1.927 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

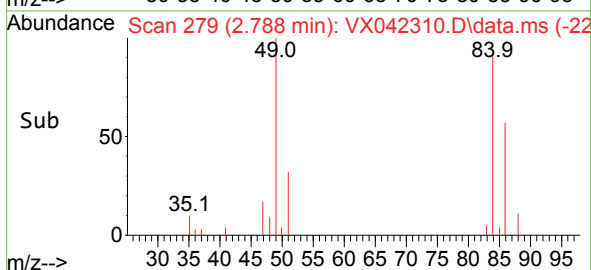
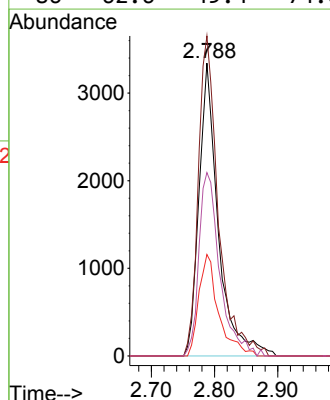
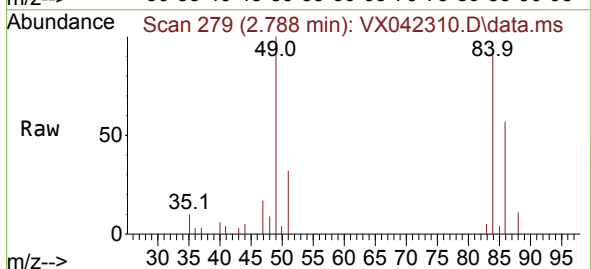
Instrument :
MSVOA_X
ClientSampleId :

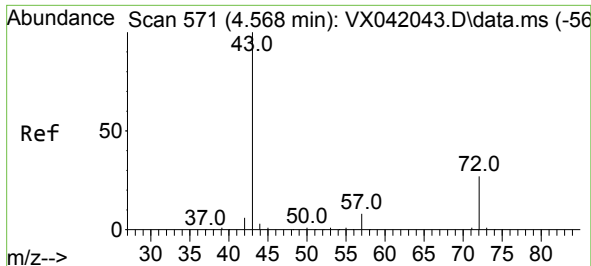
Tgt Ion: 43 Resp: 3889
Ion Ratio Lower Upper
43 100
74 25.9 17.8 26.8



#20
Methylene Chloride
Concen: 4.378 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Tgt Ion: 84 Resp: 7090
Ion Ratio Lower Upper
84 100
49 109.3 103.6 155.4
51 34.6 33.8 50.6
86 62.6 49.4 74.0

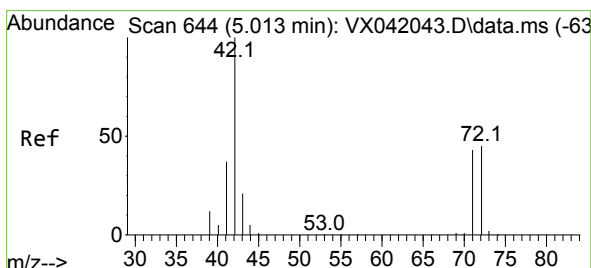
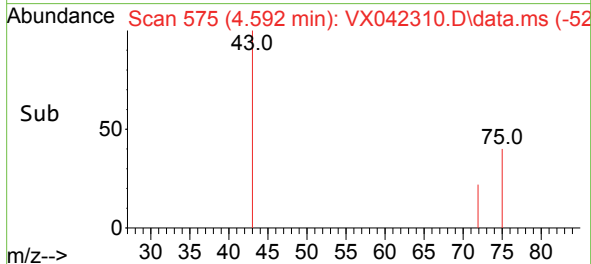
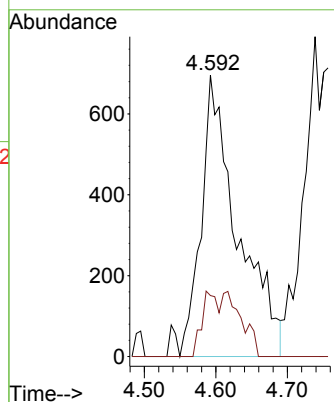
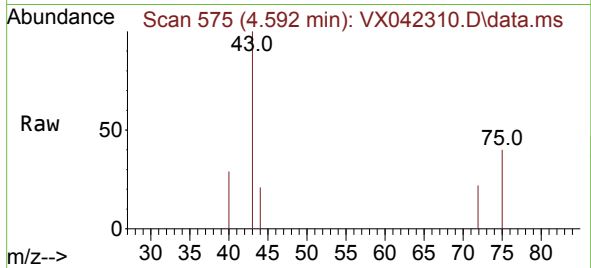




#25
2-Butanone
Concen: 2.132 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

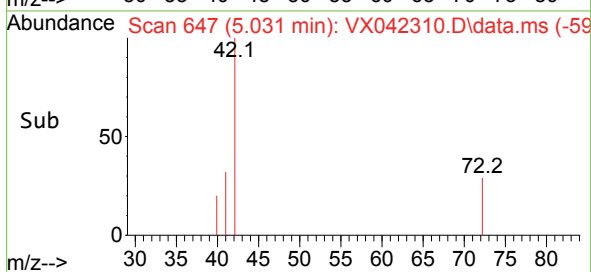
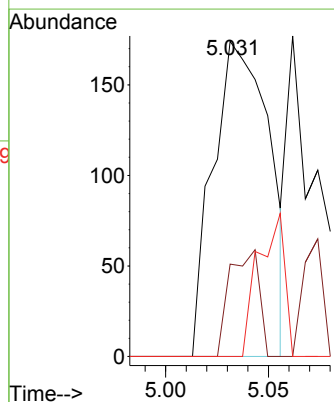
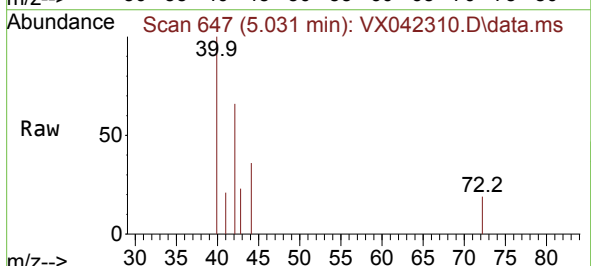
Instrument :
MSVOA_X
ClientSampleId :

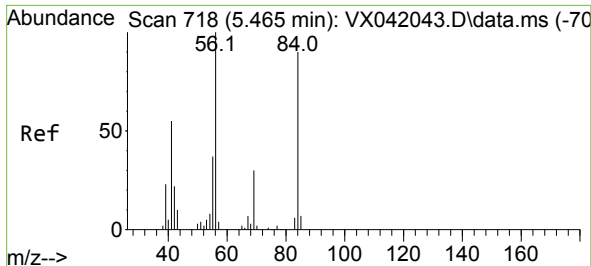
Tgt Ion: 43 Resp: 2453
Ion Ratio Lower Upper
43 100
72 21.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.447 ug/l
RT: 5.031 min Scan# 647
Delta R.T. 0.012 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

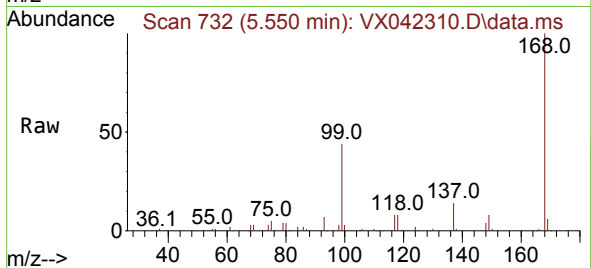
Tgt Ion: 42 Resp: 332
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.4#
71 0.0 32.2 48.2#



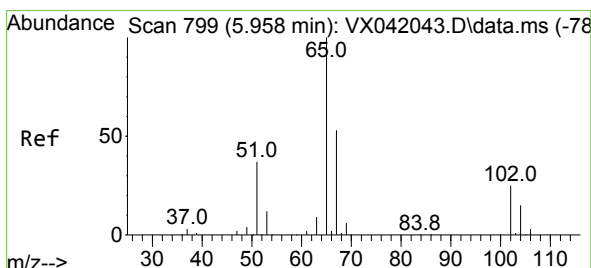
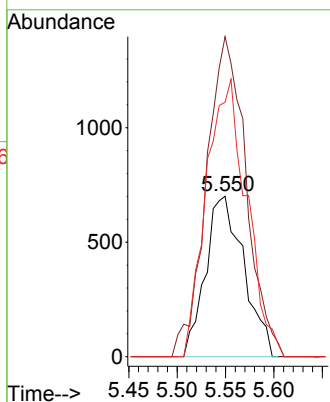
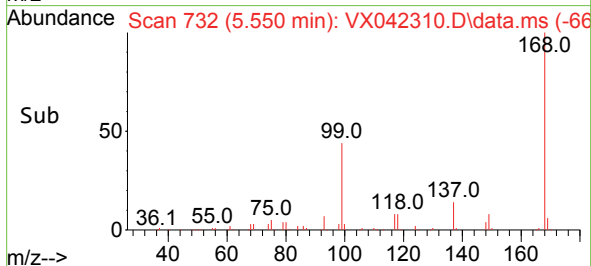


#31
Cyclohexane
Concen: 0.977 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

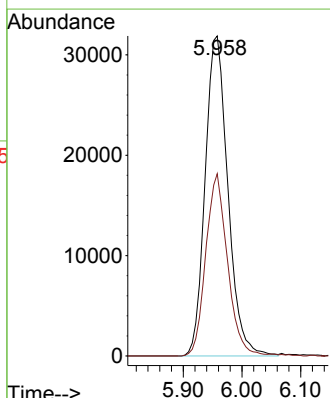
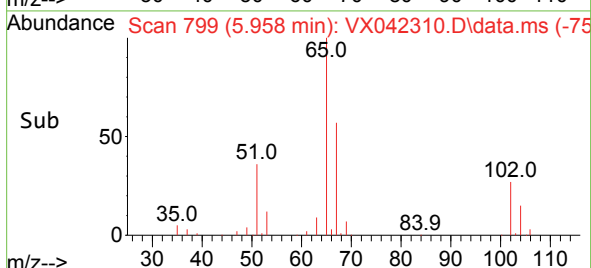
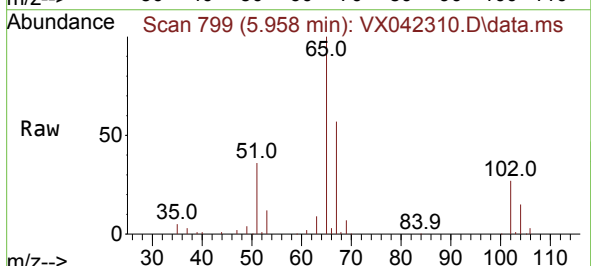


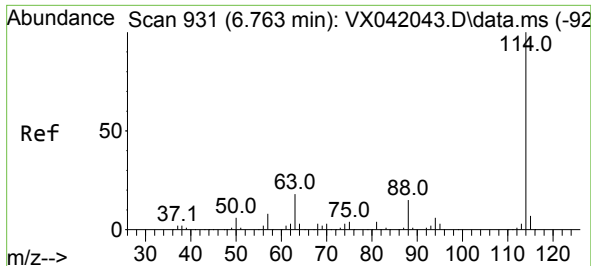
Tgt Ion: 56 Resp: 1925
Ion Ratio Lower Upper
56 100
69 190.9 23.4 35.2#
84 158.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 50.936 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

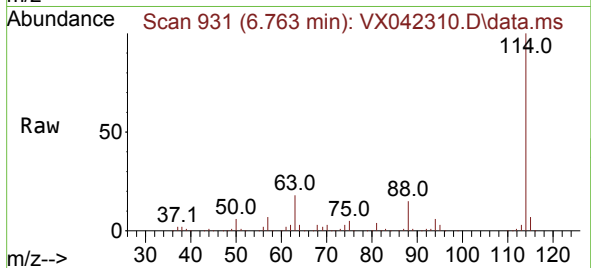
Tgt Ion: 65 Resp: 85802
Ion Ratio Lower Upper
65 100
67 54.3 0.0 100.2



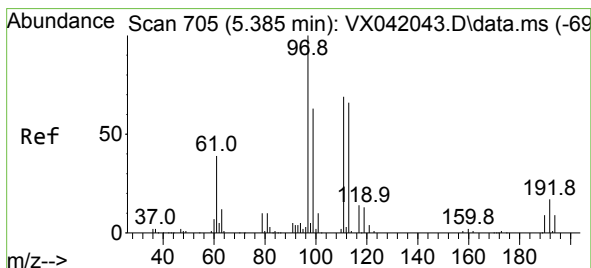
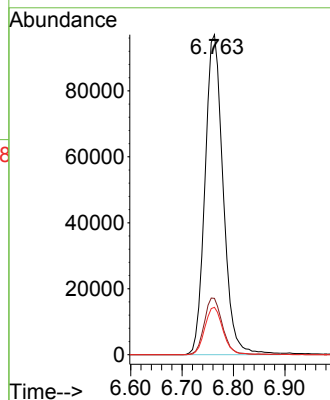
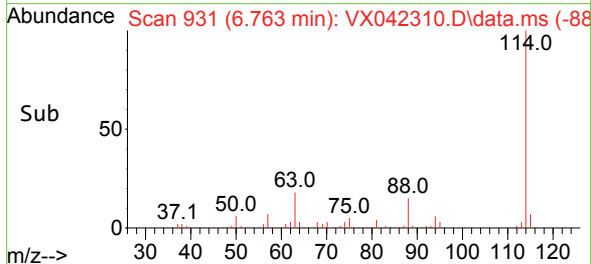


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

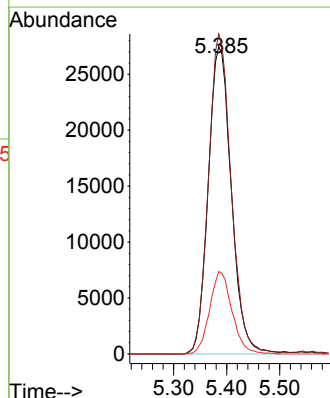
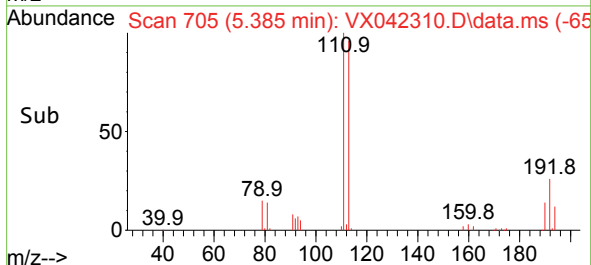
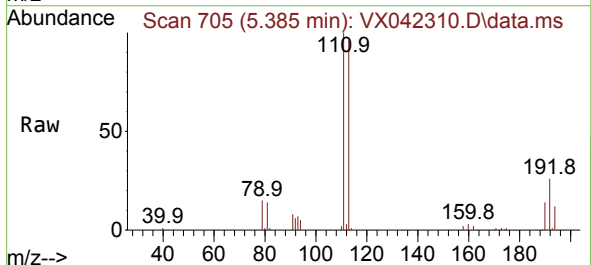


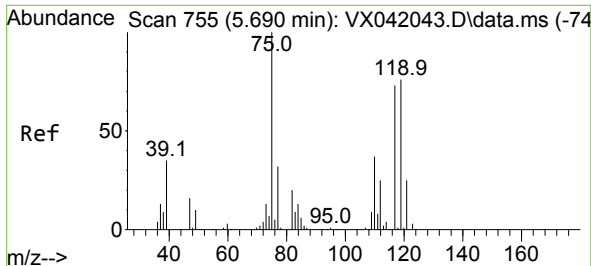
Tgt Ion:114 Resp: 238055
Ion Ratio Lower Upper
114 100
63 17.6 0.0 45.0
88 14.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.083 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

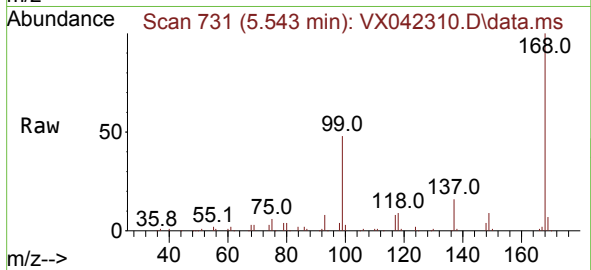
Tgt Ion:113 Resp: 82908
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 26.0 13.3 19.9#



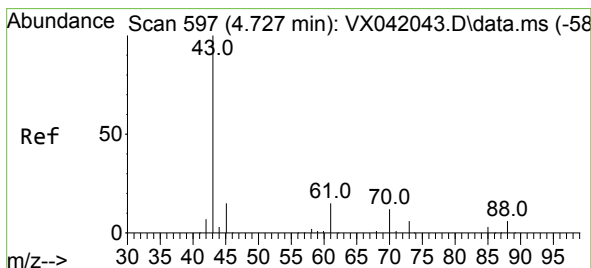
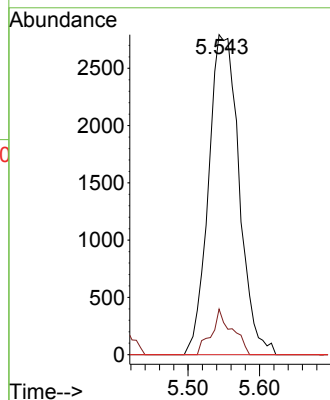
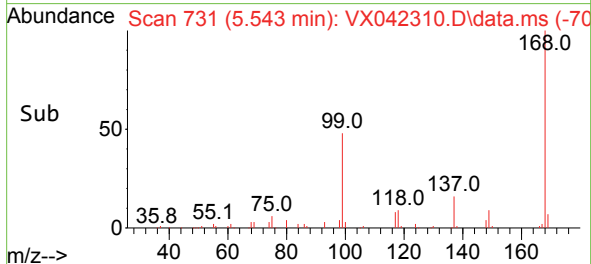


#36
1,1-Dichloropropene
Concen: 4.624 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

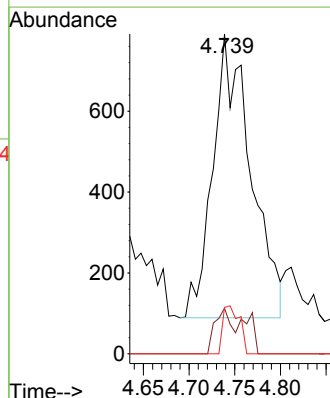
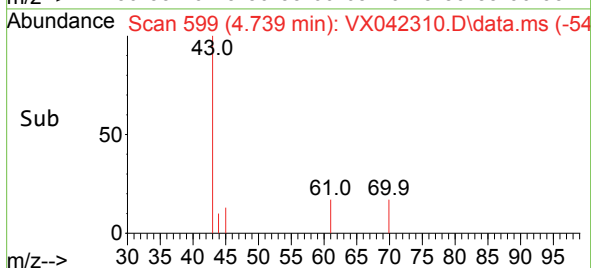
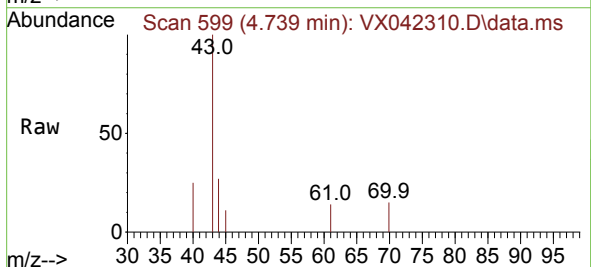


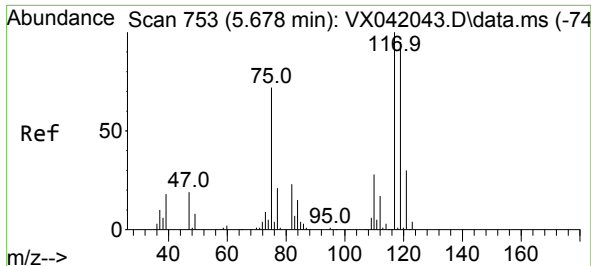
Tgt Ion: 75 Resp: 8294
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.867 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.012 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

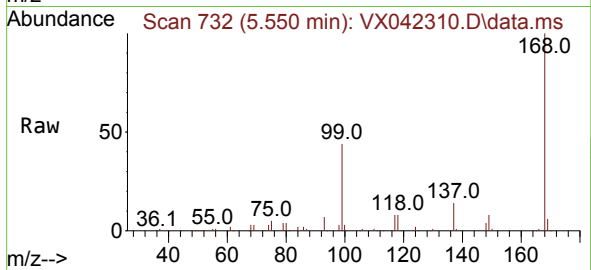
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Ion Ratio Lower Upper
43 100
61 7.3 10.6 16.0#
70 7.5 8.3 12.5#



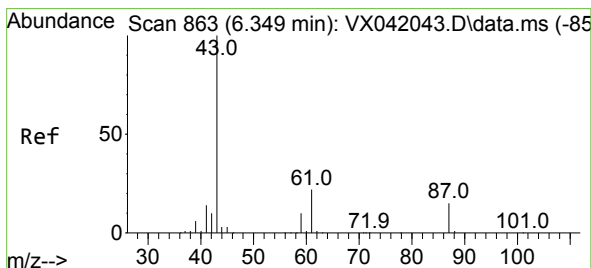
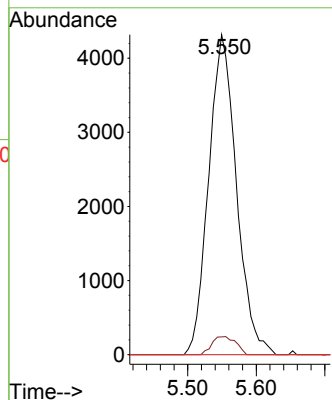
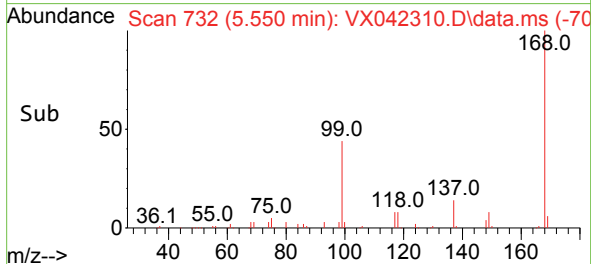


#38
Carbon Tetrachloride
Concen: 6.137 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

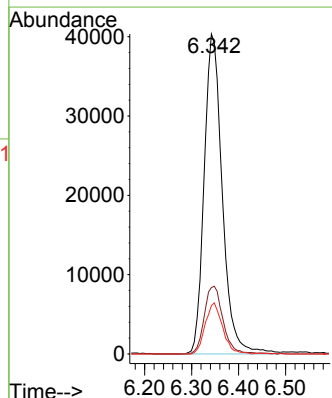
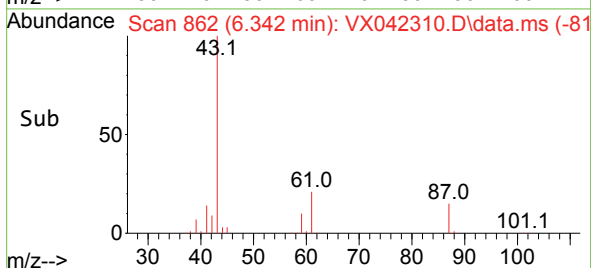
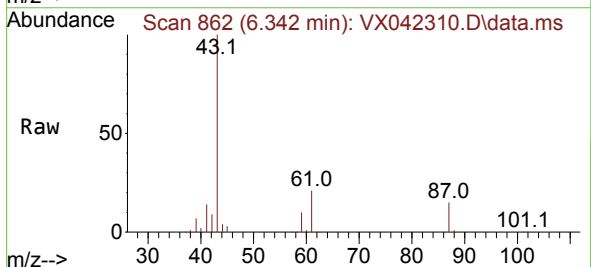


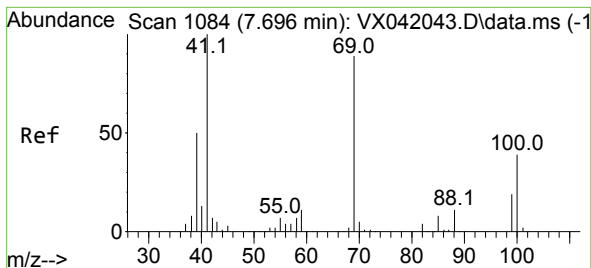
Tgt Ion:117 Resp: 12163
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 30.134 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Tgt Ion: 43 Resp: 108076
Ion Ratio Lower Upper
43 100
61 21.9 15.2 22.8
87 15.2 9.8 14.6#





#48

Methyl methacrylate

Concen: 53.978 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX042310.D

Acq: 12 Jul 2024 18:08

Instrument :

MSVOA_X

ClientSampleId :

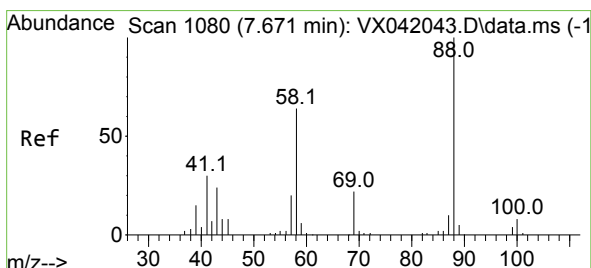
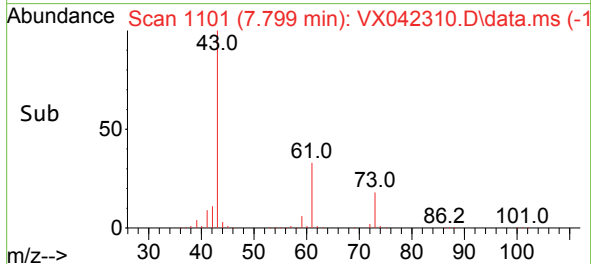
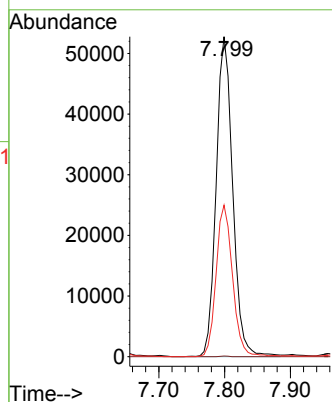
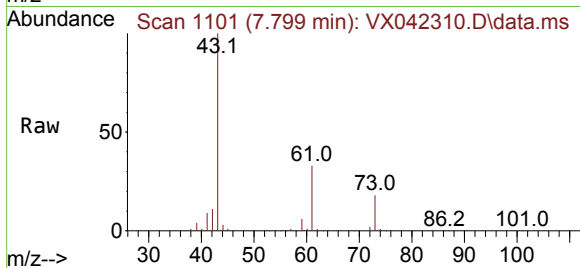
Tgt Ion: 41 Resp: 92391

Ion Ratio Lower Upper

41 100

69 0.1 59.2 88.8#

39 47.5 47.7 71.5#



#49

1,4-Dioxane

Concen: 23.783 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.140 min

Lab File: VX042310.D

Acq: 12 Jul 2024 18:08

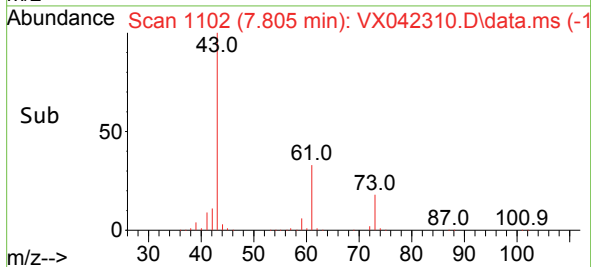
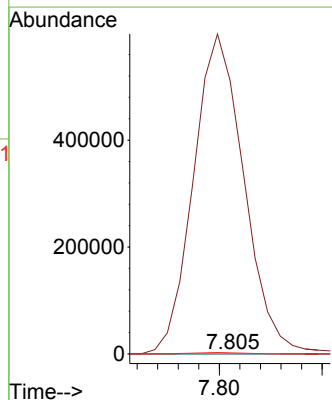
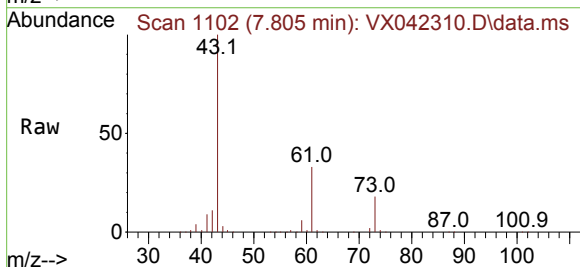
Tgt Ion: 88 Resp: 178

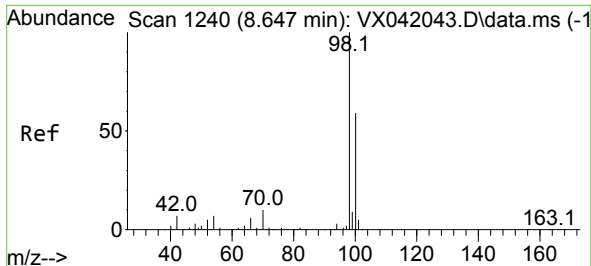
Ion Ratio Lower Upper

88 100

43 582156.7 0.0 0.0#

58 2732.0 60.1 90.1#

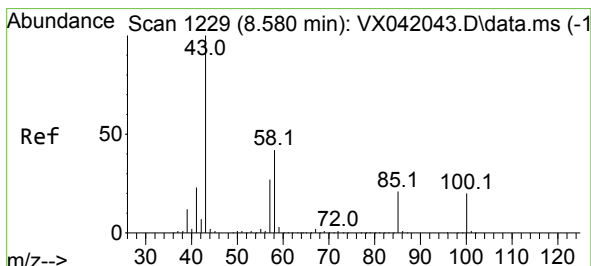
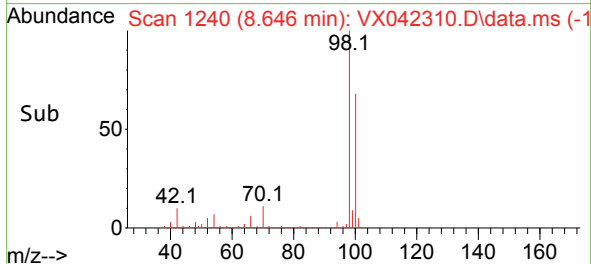
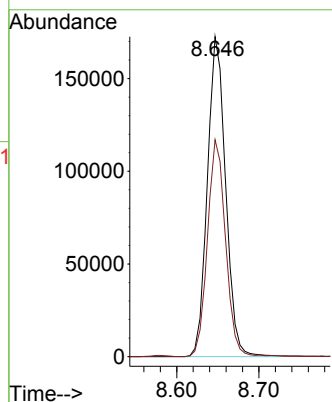
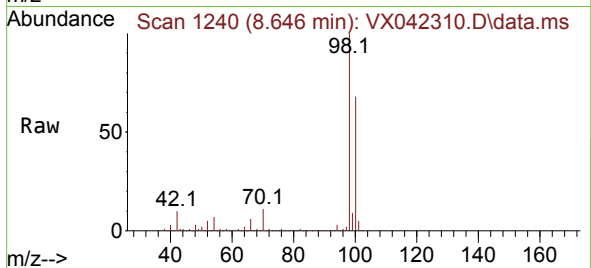




#50
Toluene-d8
Concen: 44.850 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

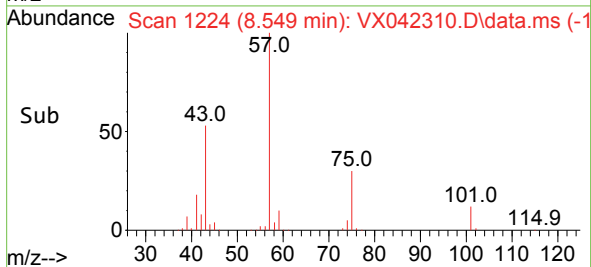
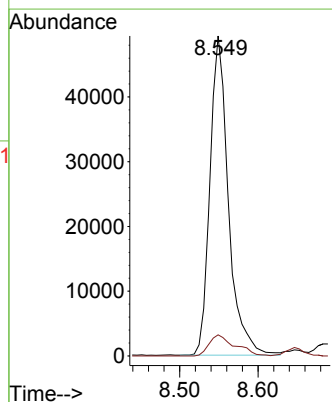
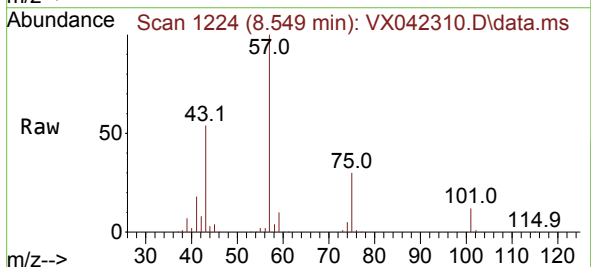
Instrument :
MSVOA_X
ClientSampleId :

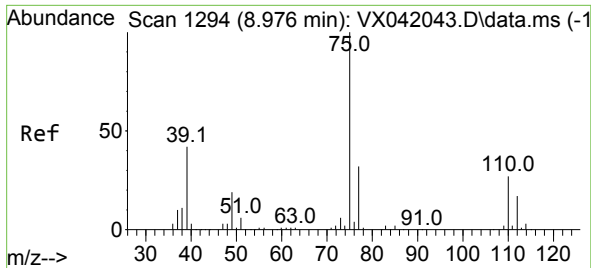
Tgt Ion: 98 Resp: 266139
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 32.735 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Tgt Ion: 43 Resp: 80872
Ion Ratio Lower Upper
43 100
58 9.3 30.4 45.6#

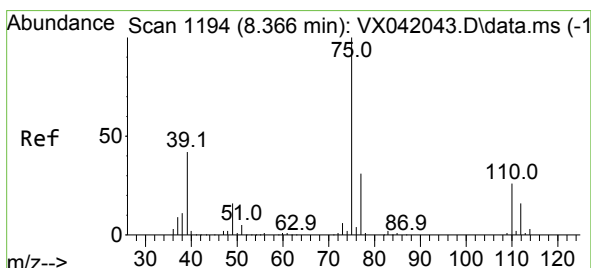
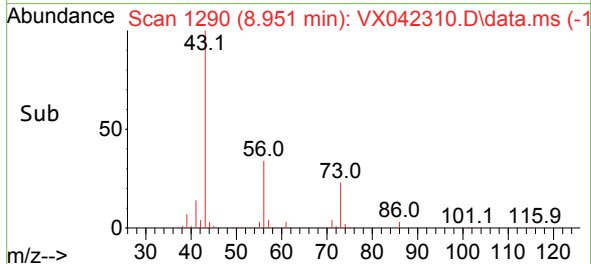
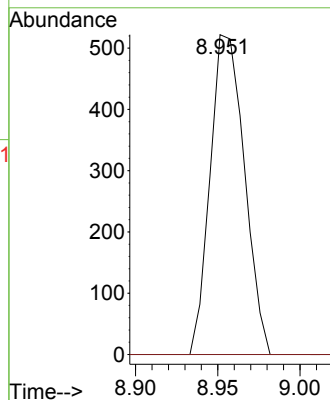
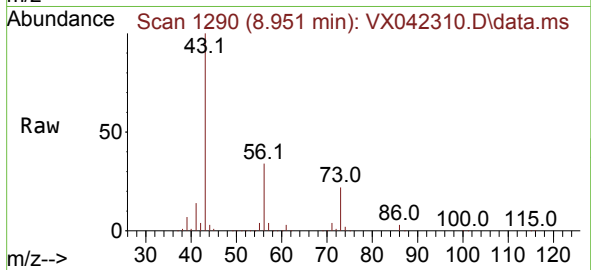




#53
 t-1,3-Dichloropropene
 Concen: 1.253 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.031 min
 Lab File: VX042310.D
 Acq: 12 Jul 2024 18:08

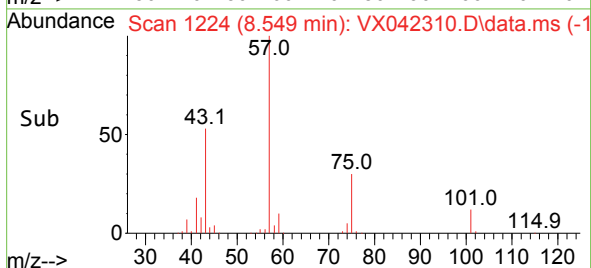
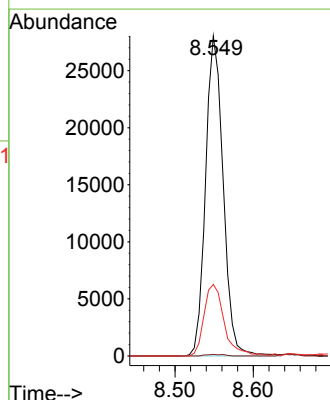
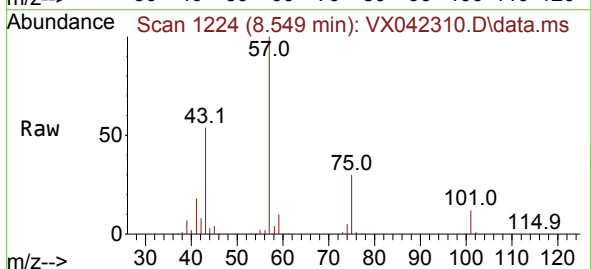
Instrument :
 MSVOA_X
 ClientSampleId :

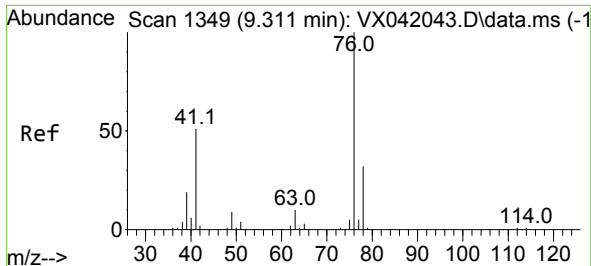
Tgt Ion: 75 Resp: 756
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 20.079 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX042310.D
 Acq: 12 Jul 2024 18:08

Tgt Ion: 75 Resp: 43742
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 22.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 2.171 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX042310.D

Acq: 12 Jul 2024 18:08

Instrument :

MSVOA_X

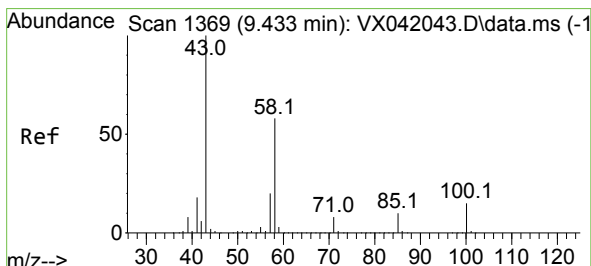
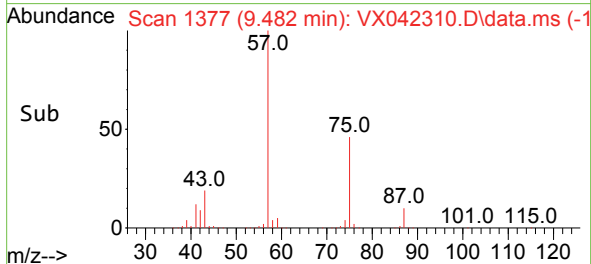
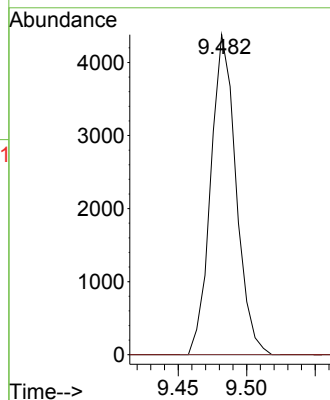
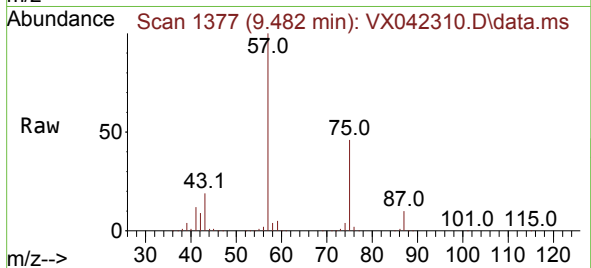
ClientSampleId :

Tgt Ion: 76 Resp: 5630

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 37.377 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX042310.D

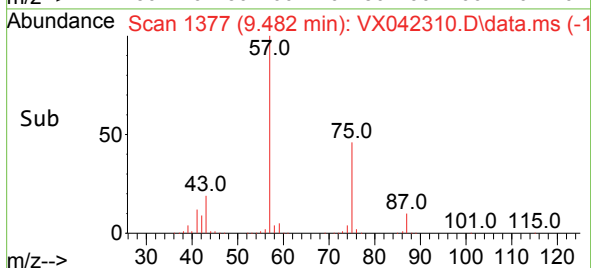
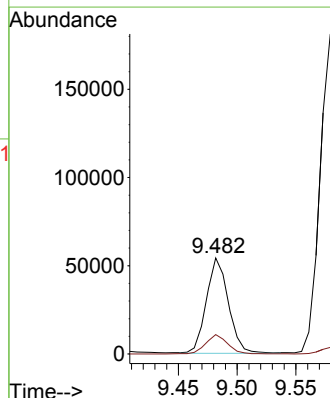
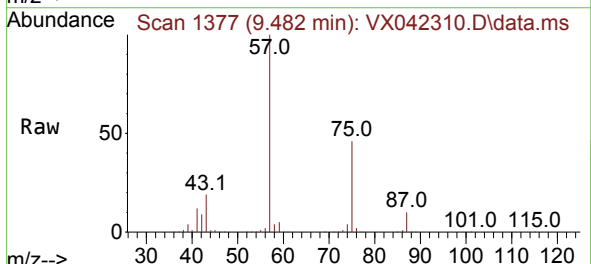
Acq: 12 Jul 2024 18:08

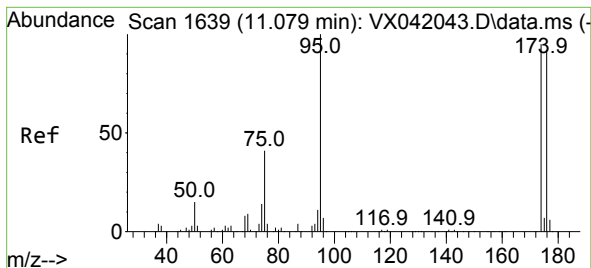
Tgt Ion: 43 Resp: 70724

Ion Ratio Lower Upper

43 100

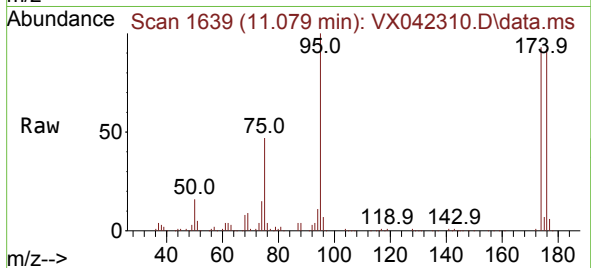
58 20.5 26.2 78.5#



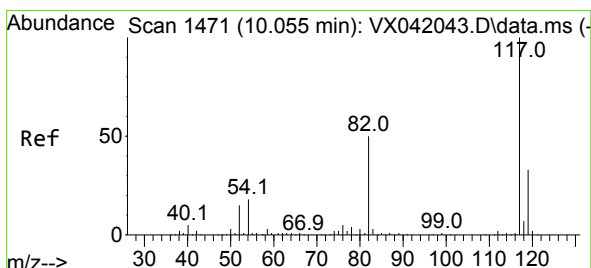
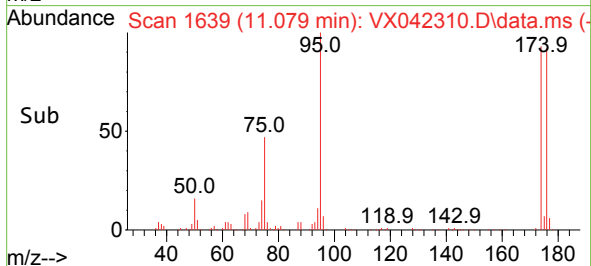
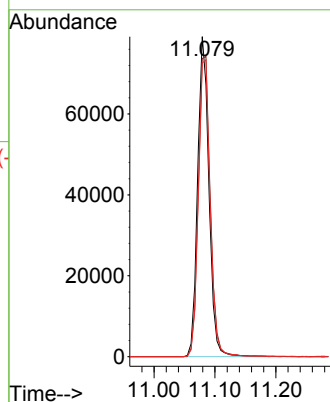


#62
4-Bromofluorobenzene
Concen: 46.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :

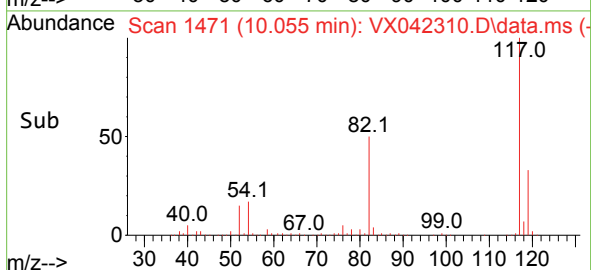
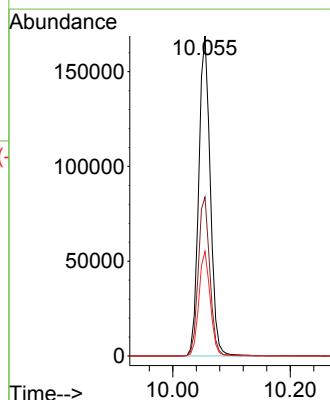
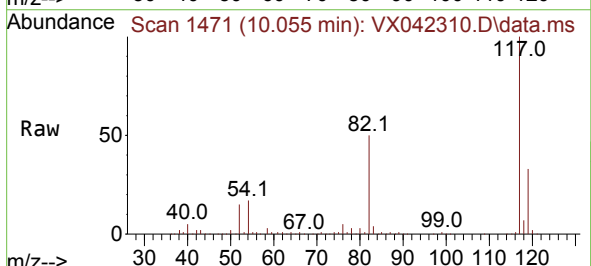


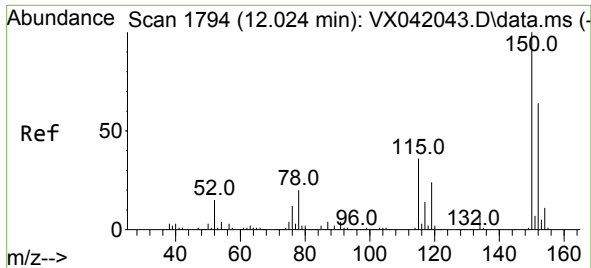
Tgt Ion: 95 Resp: 101656
Ion Ratio Lower Upper
95 100
174 100.0 0.0 135.6
176 97.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

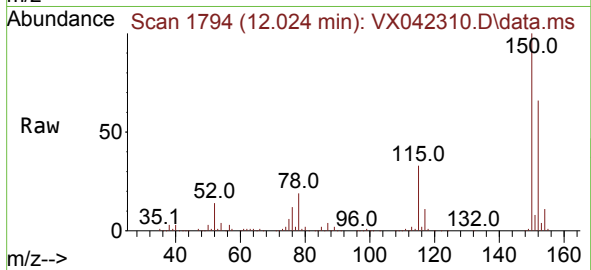
Tgt Ion: 117 Resp: 230536
Ion Ratio Lower Upper
117 100
82 49.6 46.2 69.4
119 32.7 25.5 38.3



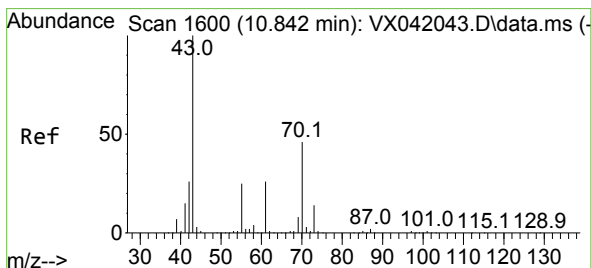
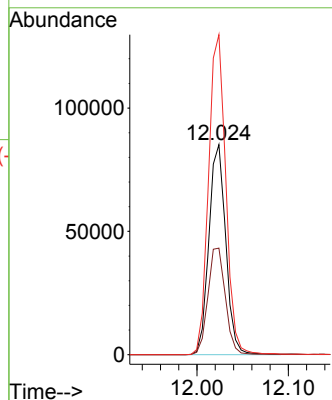
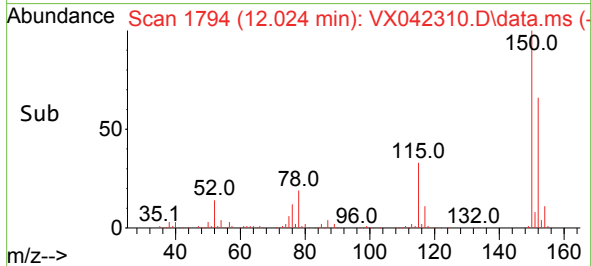


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX042310.D
 Acq: 12 Jul 2024 18:08

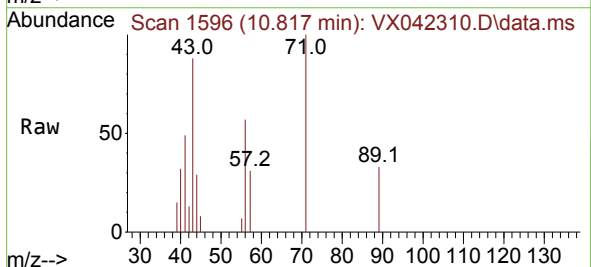
Instrument :
 MSVOA_X
 ClientSampleId :



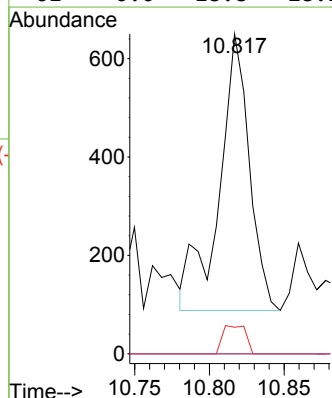
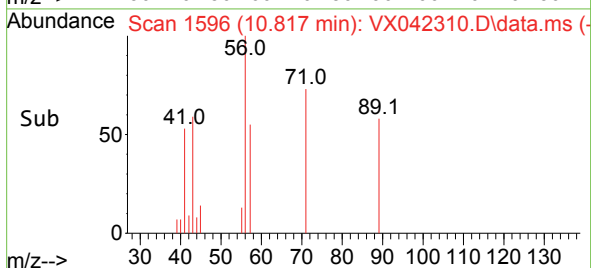
Tgt Ion:152 Resp: 109681
 Ion Ratio Lower Upper
 152 100
 115 52.8 43.3 129.9
 150 155.5 0.0 345.0

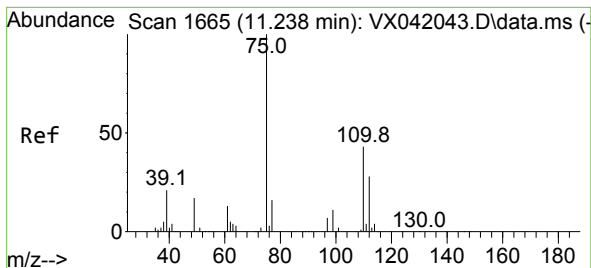


#74
 N-ethyl acetate
 Concen: 0.268 ug/l
 RT: 10.817 min Scan# 1596
 Delta R.T. -0.025 min
 Lab File: VX042310.D
 Acq: 12 Jul 2024 18:08



Tgt Ion: 43 Resp: 795
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 7.7 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 23.374 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX042310.D

Acq: 12 Jul 2024 18:08

Instrument :

MSVOA_X

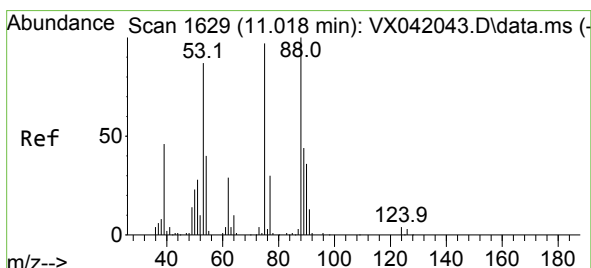
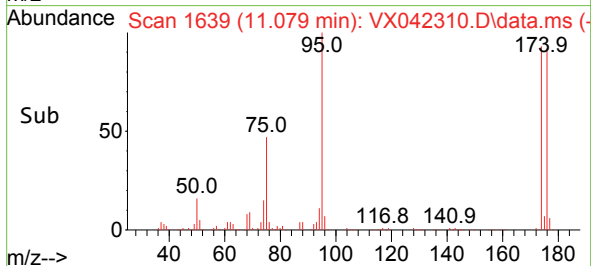
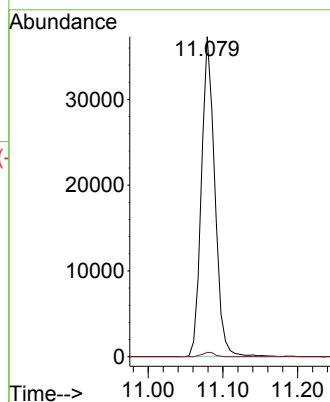
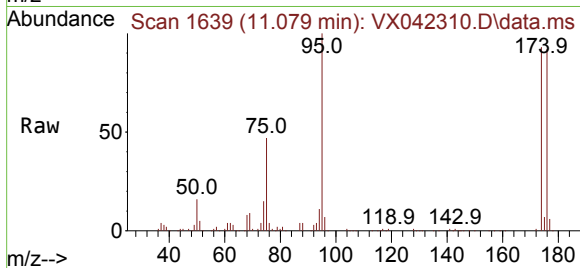
ClientSampleId :

Tgt Ion: 75 Resp: 46541

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.380 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX042310.D

Acq: 12 Jul 2024 18:08

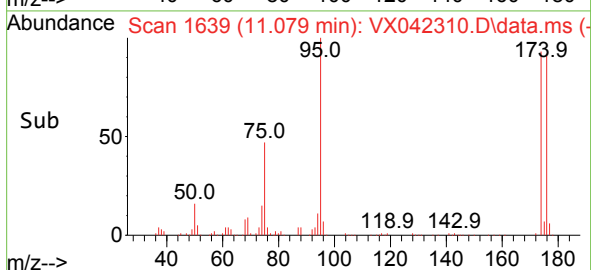
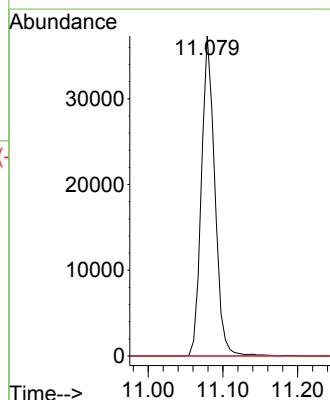
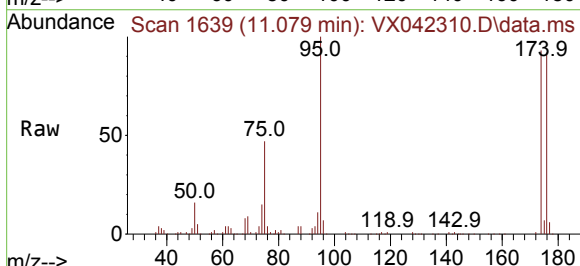
Tgt Ion: 75 Resp: 46541

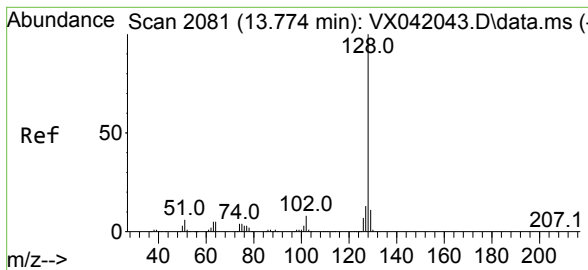
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

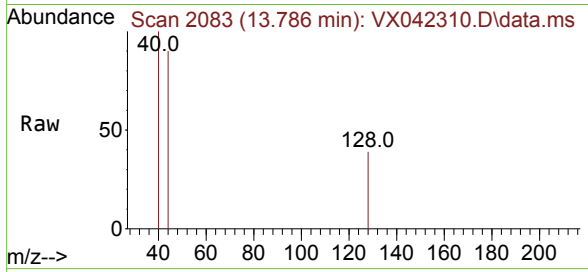
89 0.0 36.9 55.3#





#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX042310.D
Acq: 12 Jul 2024 18:08

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	119
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

