

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050224\
 Data File : VX041361.D
 Acq On : 02 May 2024 18:05
 Operator : JC/MD
 Sample : P2323-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

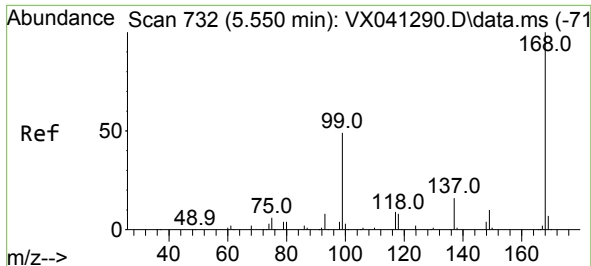
Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 03 01:42:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X043024W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 02:38:17 2024
 Response via : Initial Calibration

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

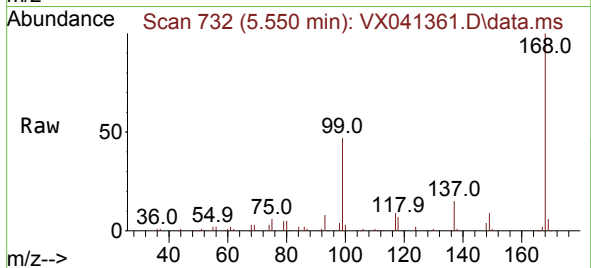
Internal Standards						
1) Pentafluorobenzene	5.550	168	149756	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	220951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	105462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	76530	46.942	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.880%		
35) Dibromofluoromethane	5.385	113	63025	42.092	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.180%		
50) Toluene-d8	8.647	98	237762	50.170	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.340%		
62) 4-Bromofluorobenzene	11.079	95	88558	48.272	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.540%		
Target Compounds						
						Qvalue
5) Bromomethane	1.599	94	421	0.553	ug/l	# 62
6) Chloroethane	1.666	64	185	0.328	ug/l	# 81
11) Tert butyl alcohol	3.007	59	589	1.805	ug/l	# 78
13) Acrolein	2.233	56	190	0.734	ug/l	# 74
16) Acetone	2.392	43	53971	72.398	ug/l	98
18) Methyl Acetate	2.709	43	2378	1.426	ug/l	97
20) Methylene Chloride	2.788	84	8865	6.264	ug/l	# 90
23) Vinyl Acetate	3.581	43	755	0.204	ug/l	# 73
25) 2-Butanone	4.586	43	7112	6.740	ug/l	99
29) Tetrahydrofuran	5.062	42	515	0.746	ug/l	# 57
31) Cyclohexane	5.550	56	2720	1.382	ug/l	# 9
36) 1,1-Dichloropropene	5.550	75	9408	5.255	ug/l	# 51
37) Ethyl Acetate	4.757	43	1307	0.585	ug/l	# 74
38) Carbon Tetrachloride	5.550	117	13565	6.614	ug/l	# 15
43) Isopropyl Acetate	6.348	43	87866	26.159	ug/l	99
48) Methyl methacrylate	7.799	41	70046	45.491	ug/l	# 49
49) 1,4-Dioxane	7.793	88	74	2.223	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	68997	34.233	ug/l	# 51
54) cis-1,3-Dichloropropene	8.549	75	30267	15.738	ug/l	# 61
57) 1,3-Dichloropropane	9.488	76	3845	1.772	ug/l	# 42
59) 2-Hexanone	9.482	43	51953	32.235	ug/l	# 52
74) N-amyl acetate	10.787	43	594	0.211	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	45540	26.497	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	45540	72.174	ug/l	# 5

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

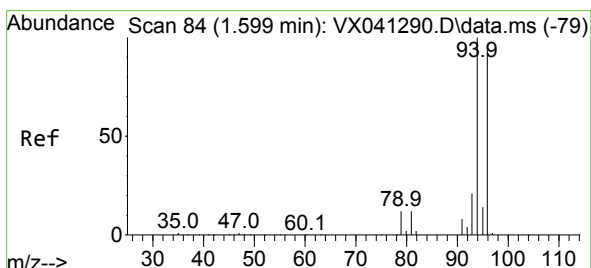
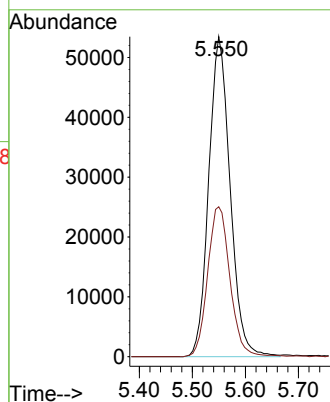
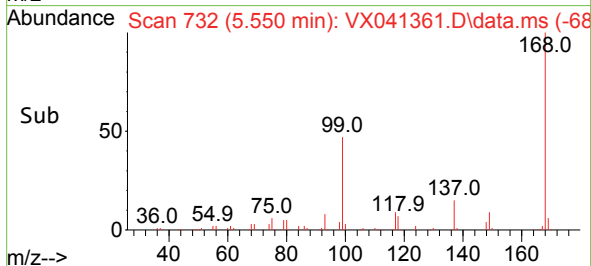


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :

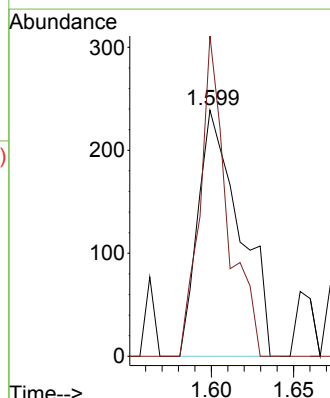
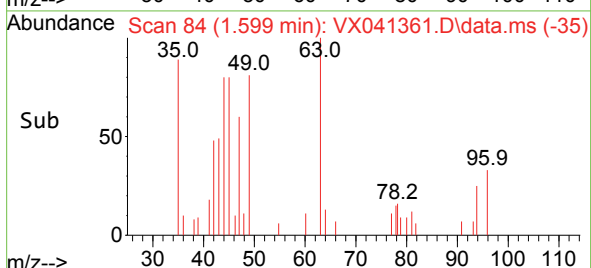
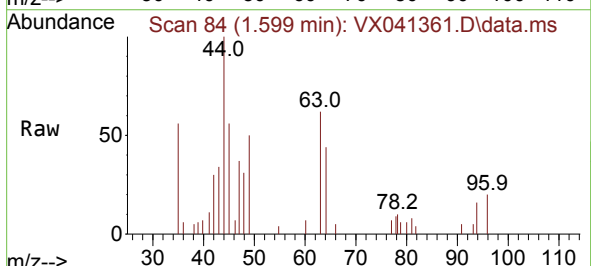


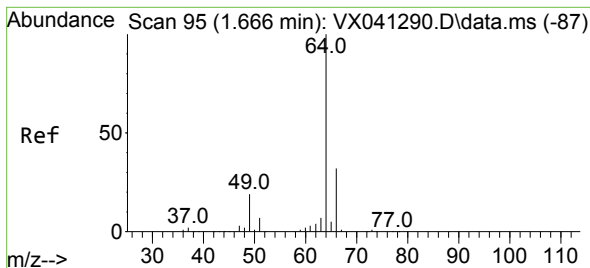
Tgt Ion:168 Resp: 149756
Ion Ratio Lower Upper
168 100
99 46.8 56.6 85.0#



#5
Bromomethane
Concen: 0.553 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

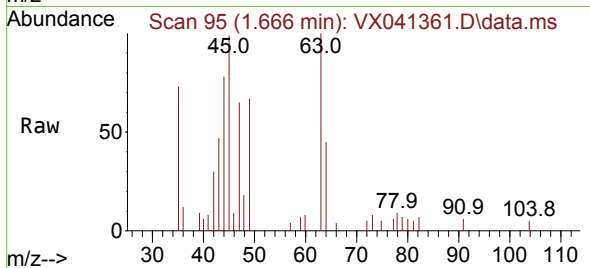
Tgt Ion: 94 Resp: 421
Ion Ratio Lower Upper
94 100
96 130.1 74.6 111.8#



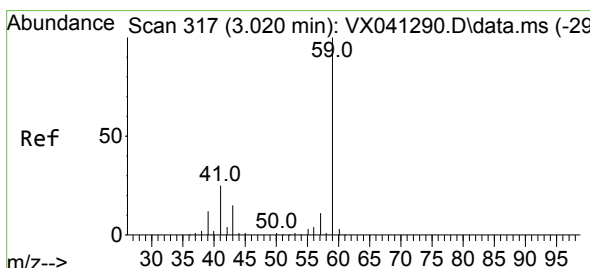
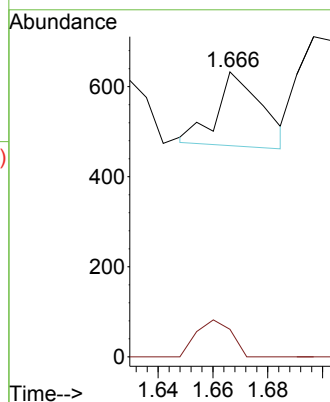
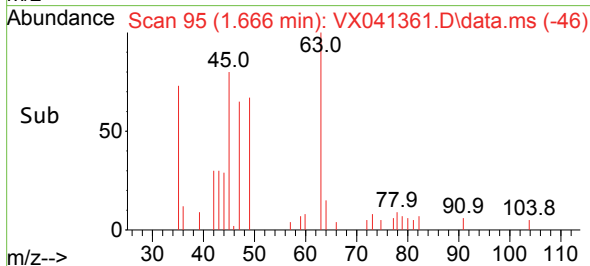


#6
Chloroethane
Concen: 0.328 ug/l
RT: 1.666 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :

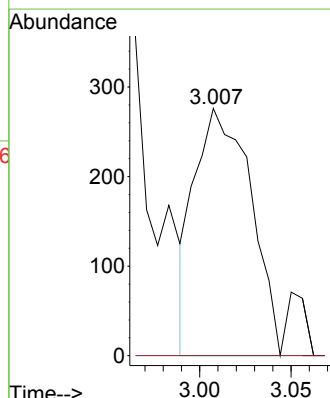
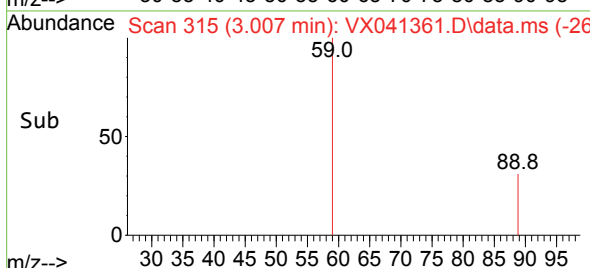
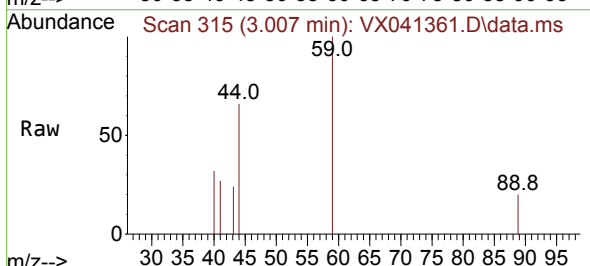


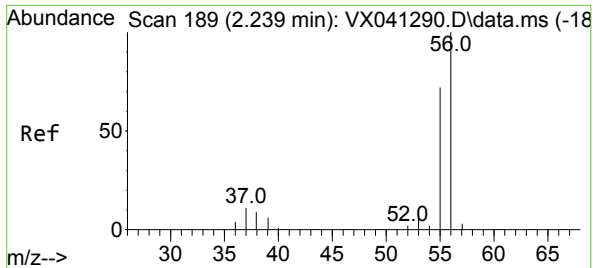
Tgt Ion: 64 Resp: 185
Ion Ratio Lower Upper
64 100
66 42.1 25.1 37.7#



#11
Tert butyl alcohol
Concen: 1.805 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.012 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

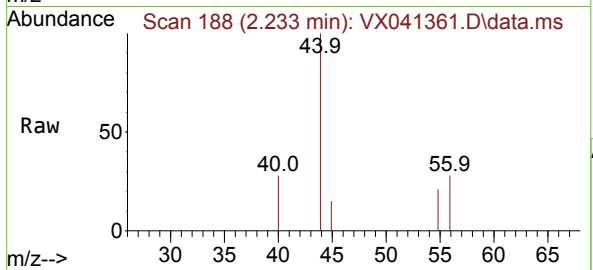
Tgt Ion: 59 Resp: 589
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



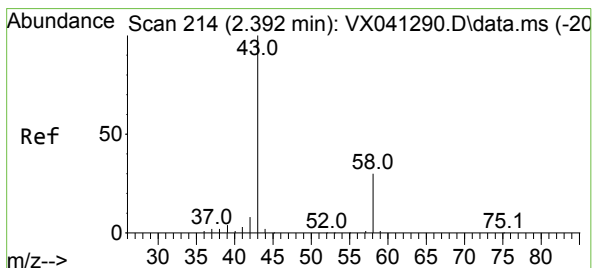
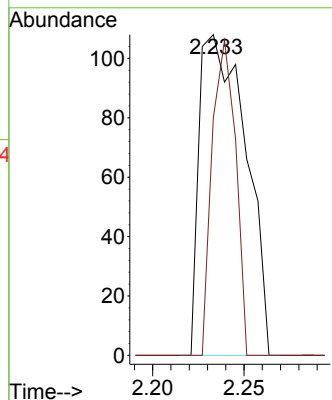
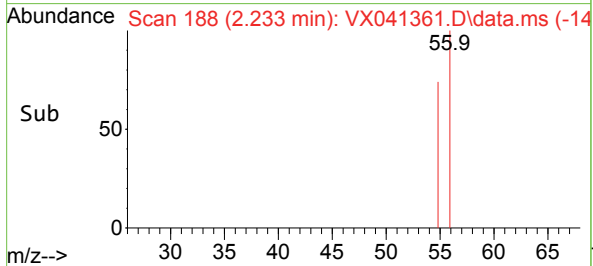


#13
Acrolein
Concen: 0.734 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :

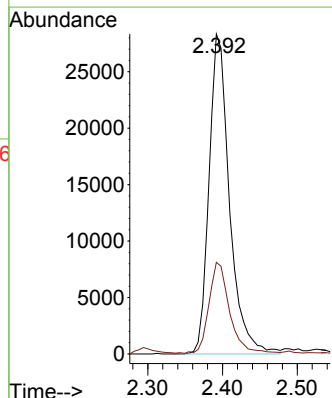
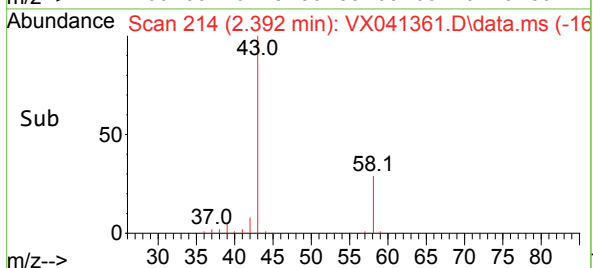
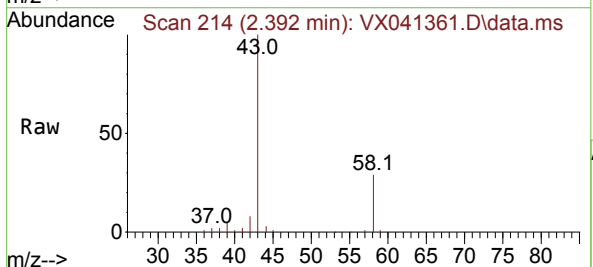


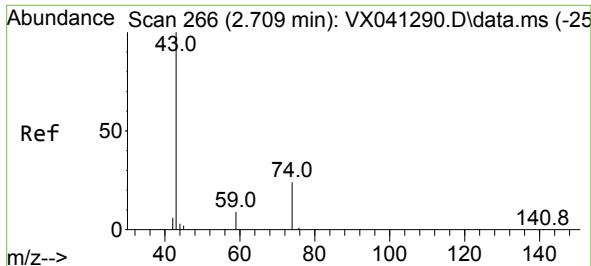
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 50.0 57.1 85.7#



#16
Acetone
Concen: 72.398 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

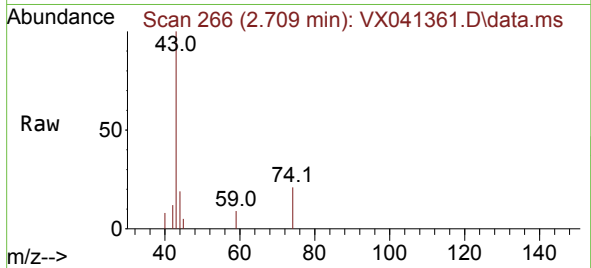
Tgt Ion: 43 Resp: 53971
Ion Ratio Lower Upper
43 100
58 28.3 21.9 32.9



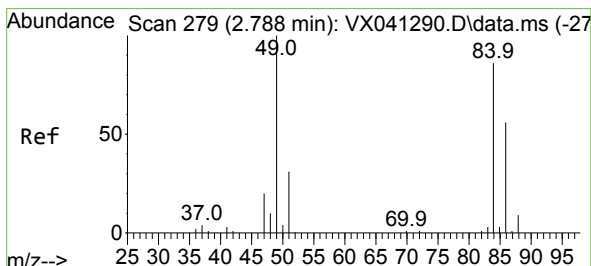
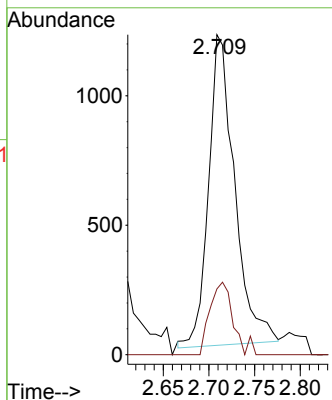
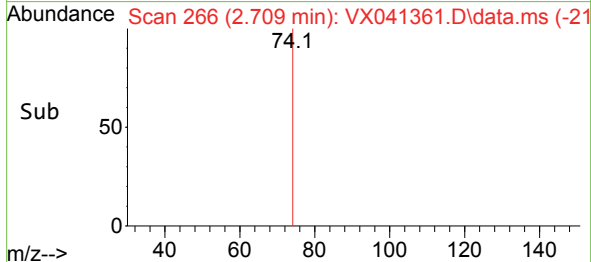


#18
Methyl Acetate
Concen: 1.426 ug/l
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :

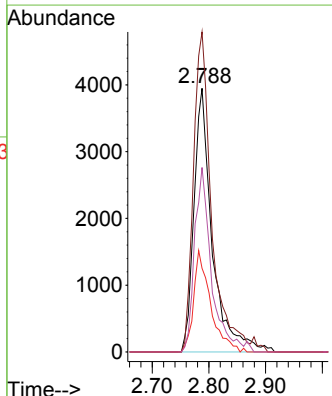
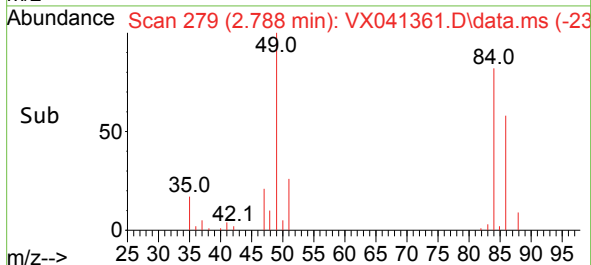
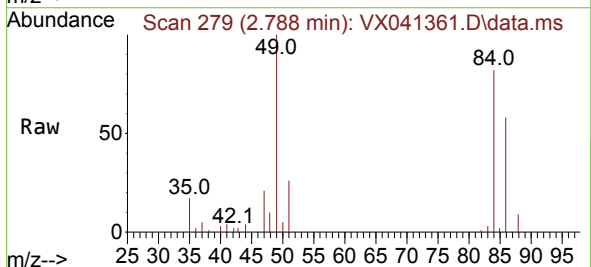


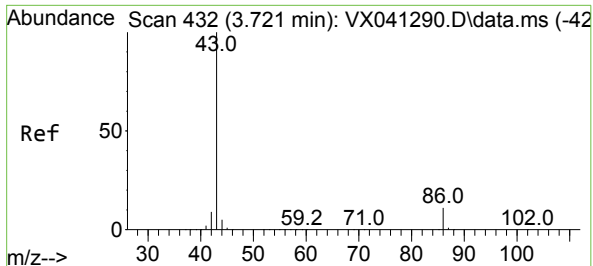
Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
74 20.7 17.8 26.8



#20
Methylene Chloride
Concen: 6.264 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Tgt Ion: 84 Resp: 8865
Ion Ratio Lower Upper
84 100
49 121.4 103.6 155.4
51 31.8 33.8 50.6#
86 69.9 49.4 74.0

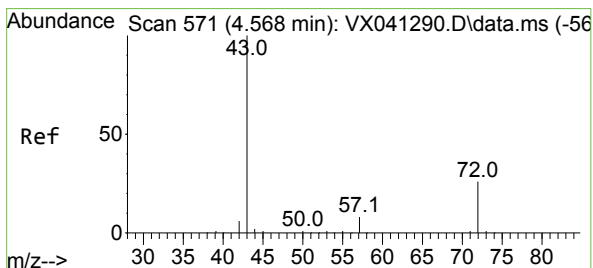
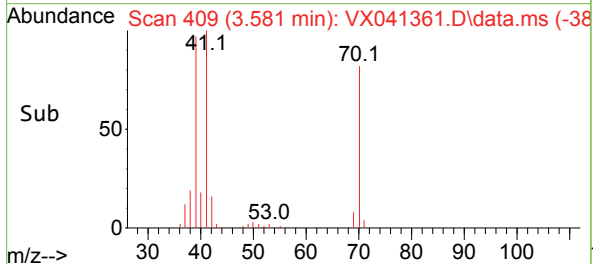
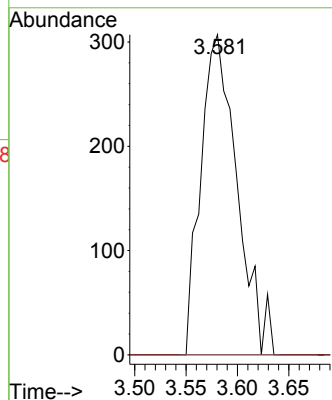
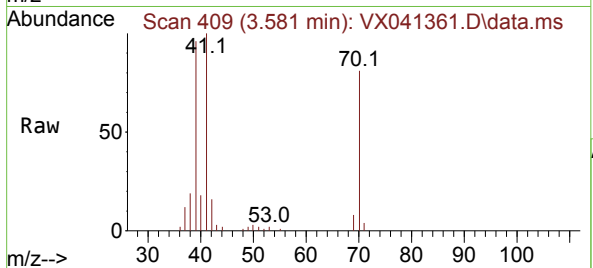




#23
Vinyl Acetate
Concen: 0.204 ug/l
RT: 3.581 min Scan# 409
Delta R.T. -0.140 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

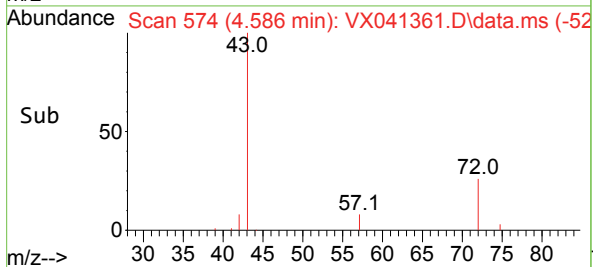
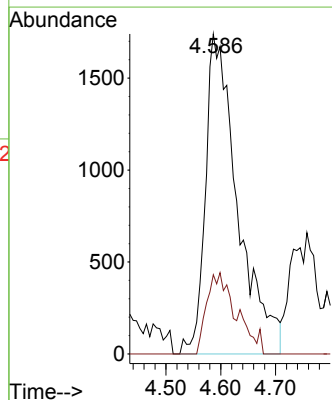
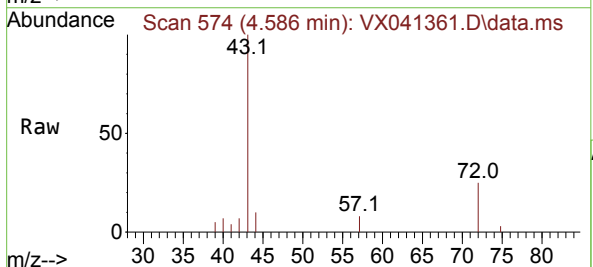
Instrument :
MSVOA_X
ClientSampleId :

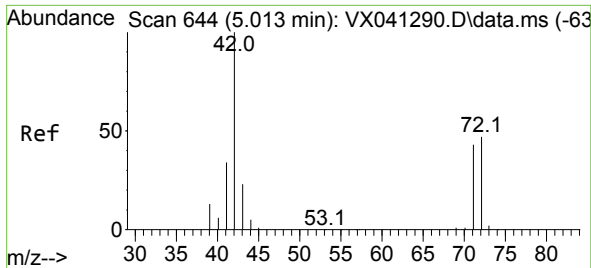
Tgt Ion: 43 Resp: 755
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#



#25
2-Butanone
Concen: 6.740 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Tgt Ion: 43 Resp: 7112
Ion Ratio Lower Upper
43 100
72 24.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.746 ug/l

RT: 5.062 min Scan# 61

Delta R.T. 0.049 min

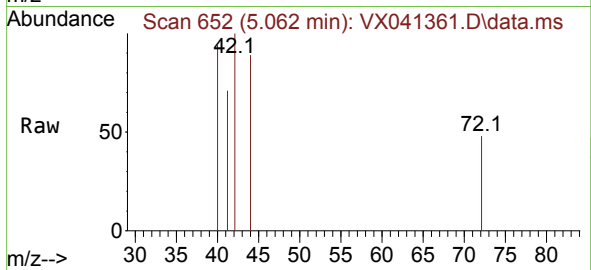
Lab File: VX041361.D

Acq: 02 May 2024 18:05

Instrument :

MSVOA_X

ClientSampleId :



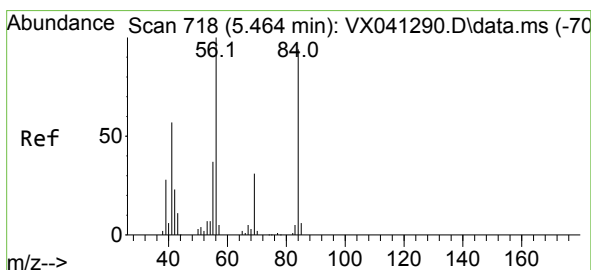
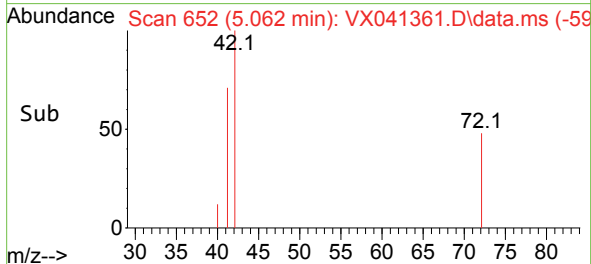
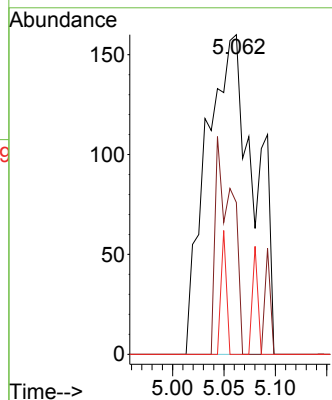
Tgt Ion: 42 Resp: 515

Ion Ratio Lower Upper

42 100

72 23.7 34.2 51.4#

71 4.5 32.2 48.2#



#31

Cyclohexane

Concen: 1.382 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.085 min

Lab File: VX041361.D

Acq: 02 May 2024 18:05

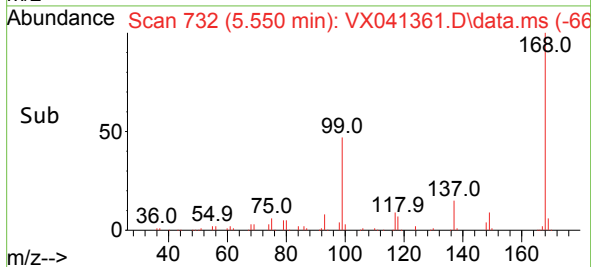
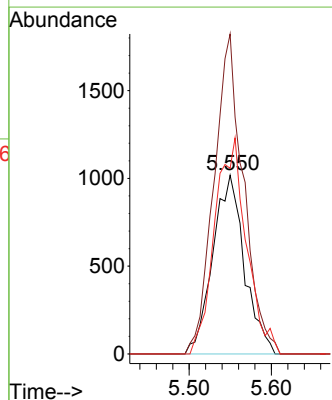
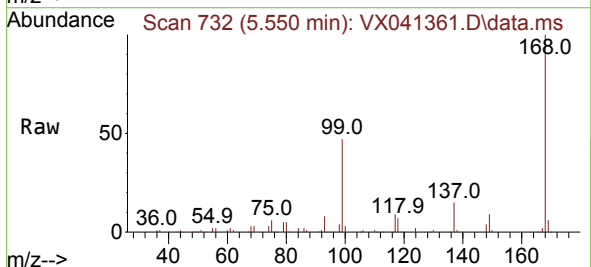
Tgt Ion: 56 Resp: 2720

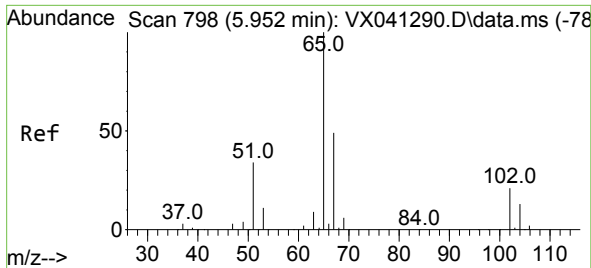
Ion Ratio Lower Upper

56 100

69 179.1 23.4 35.2#

84 103.8 65.9 98.9#

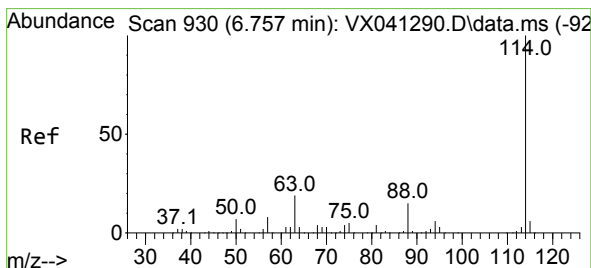
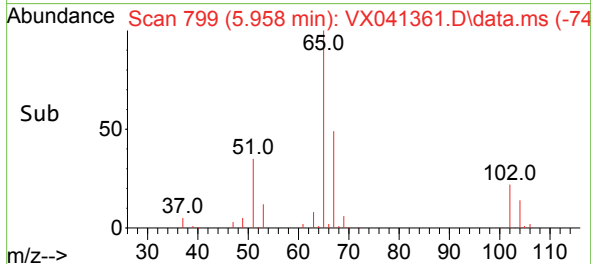
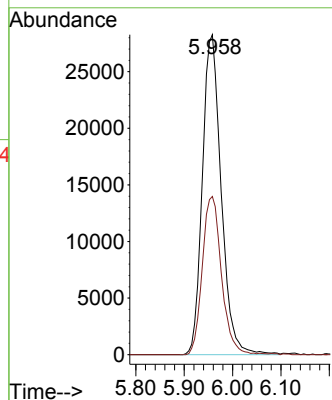
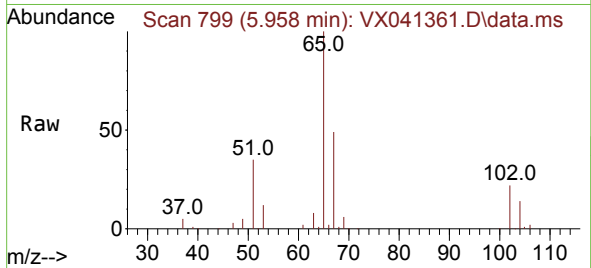




#33
 1,2-Dichloroethane-d4
 Concen: 46.942 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX041361.D
 Acq: 02 May 2024 18:05

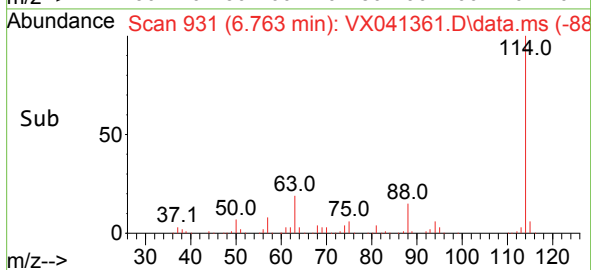
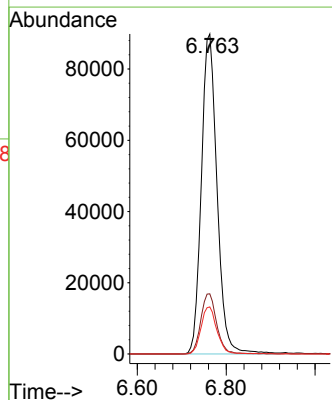
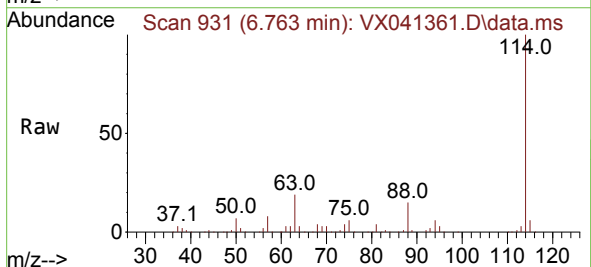
Instrument :
 MSVOA_X
 ClientSampleId :

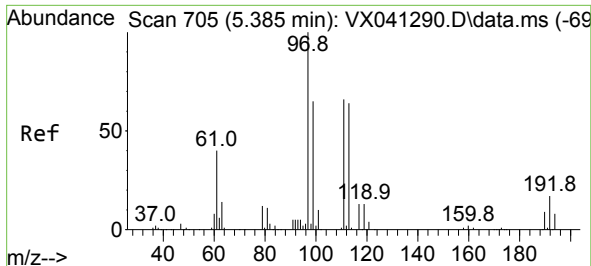
Tgt Ion: 65 Resp: 76530
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX041361.D
 Acq: 02 May 2024 18:05

Tgt Ion: 114 Resp: 220951
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 45.0
 88 14.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 42.092 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

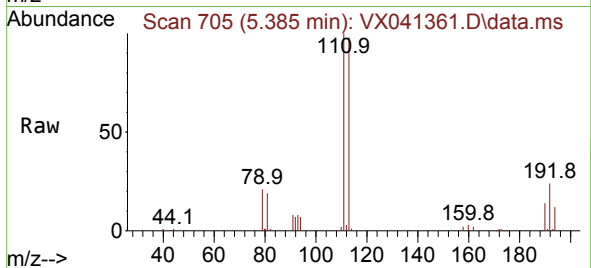
Lab File: VX041361.D

Acq: 02 May 2024 18:05

Instrument :

MSVOA_X

ClientSampleId :



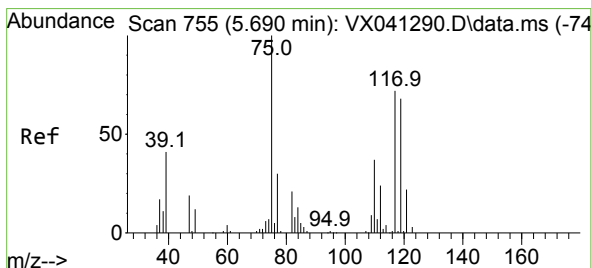
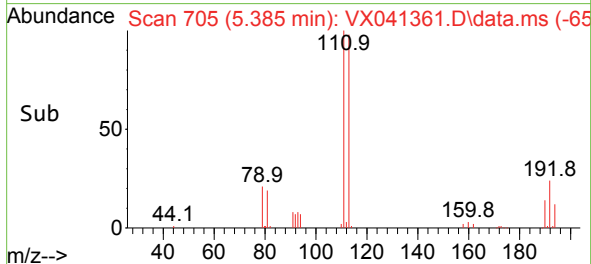
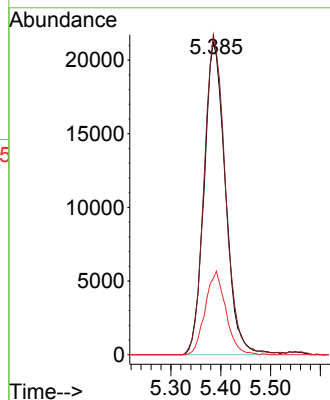
Tgt Ion:113 Resp: 63025

Ion Ratio Lower Upper

113 100

111 102.1 82.9 124.3

192 25.8 13.3 19.9#



#36

1,1-Dichloropropene

Concen: 5.255 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX041361.D

Acq: 02 May 2024 18:05

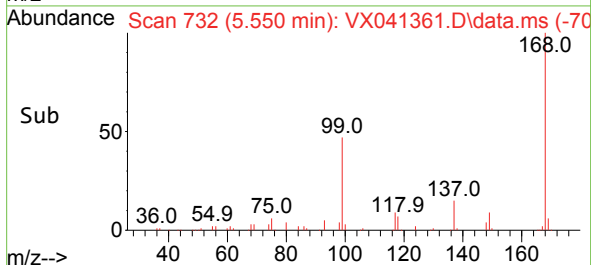
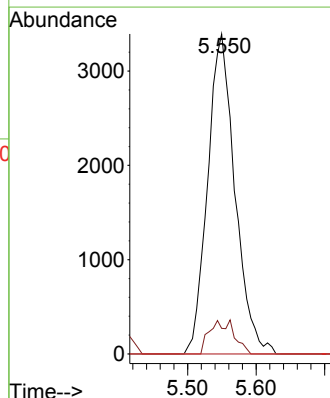
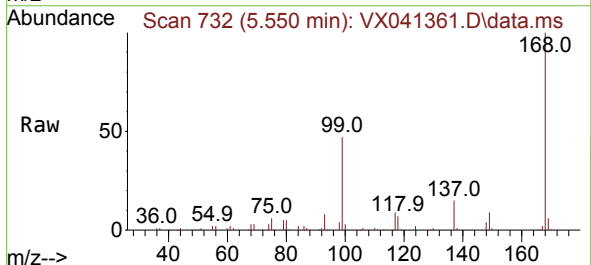
Tgt Ion: 75 Resp: 9408

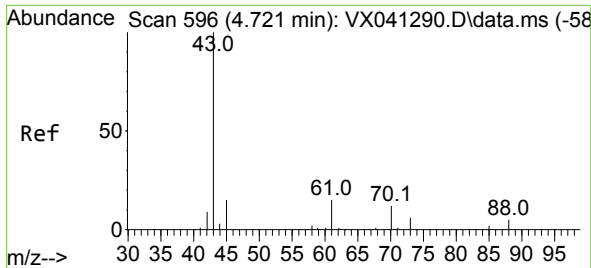
Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

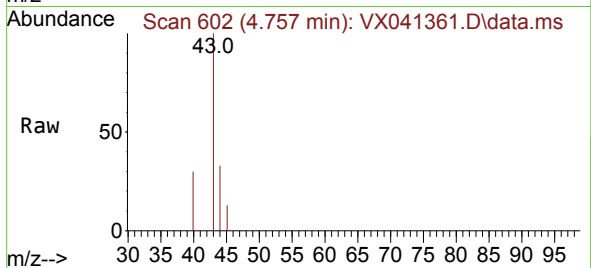
77 0.0 24.7 37.1#



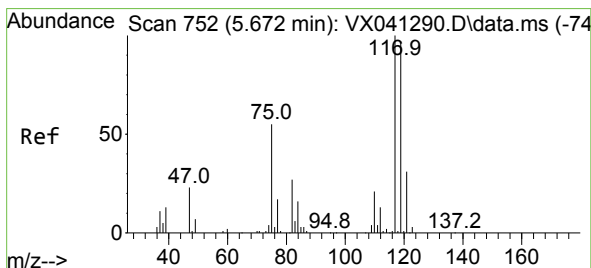
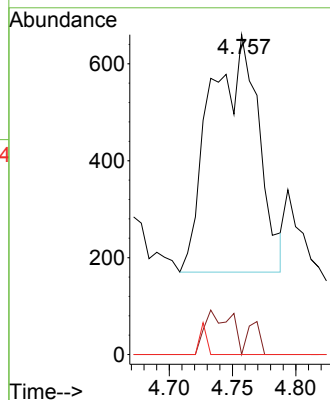
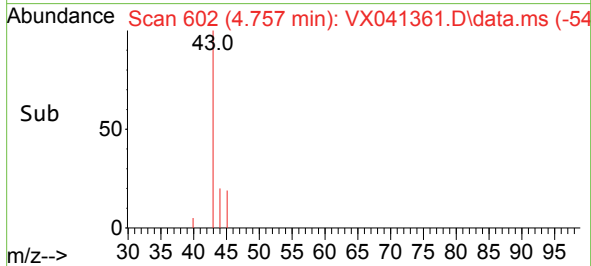


#37
Ethyl Acetate
Concen: 0.585 ug/l
RT: 4.757 min Scan# 602
Delta R.T. 0.037 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Instrument :
MSVOA_X
ClientSampleId :

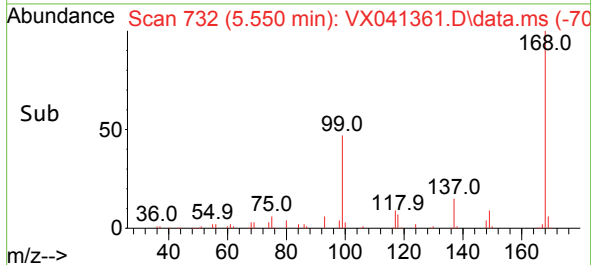
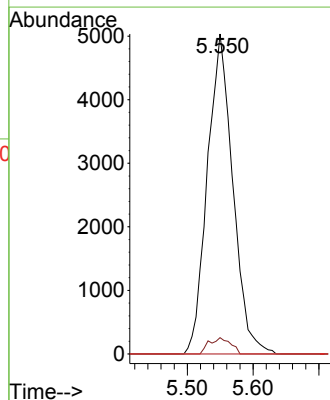
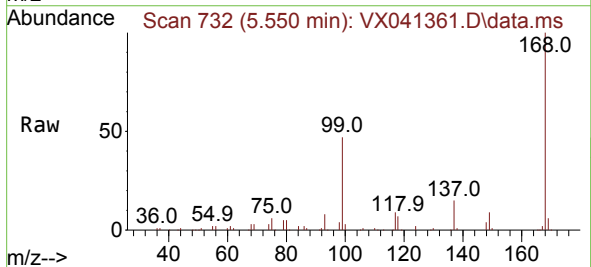


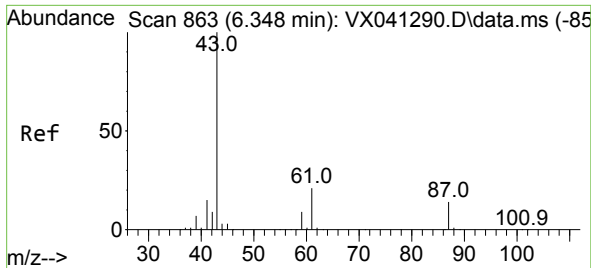
Tgt Ion: 43 Resp: 1307
Ion Ratio Lower Upper
43 100
61 3.5 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.614 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Tgt Ion: 117 Resp: 13565
Ion Ratio Lower Upper
117 100
119 5.1 78.2 117.2#
121 0.0 24.4 36.6#

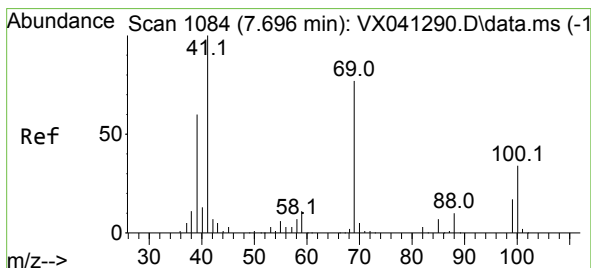
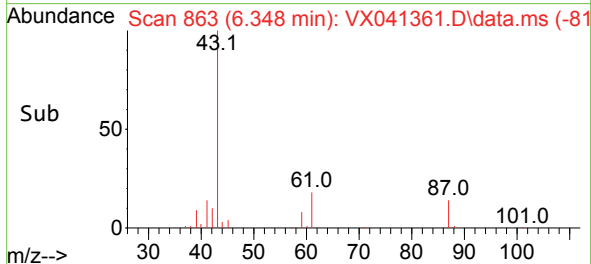
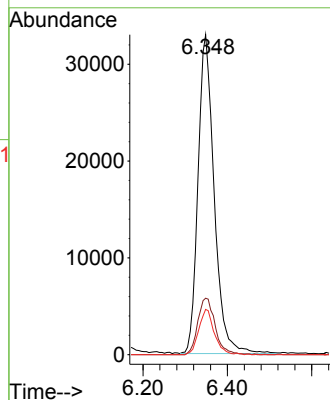
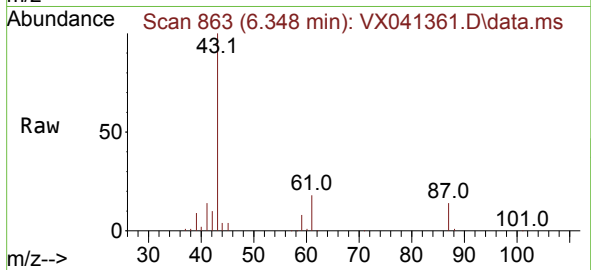




#43
Isopropyl Acetate
Concen: 26.159 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

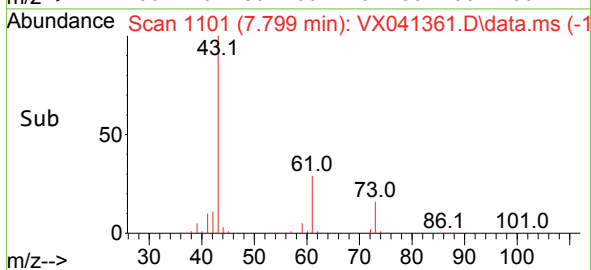
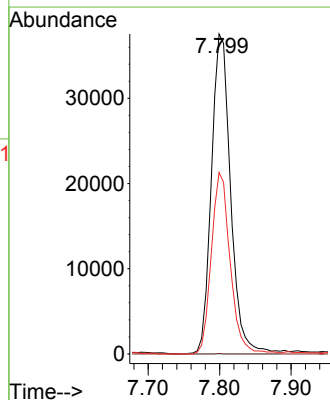
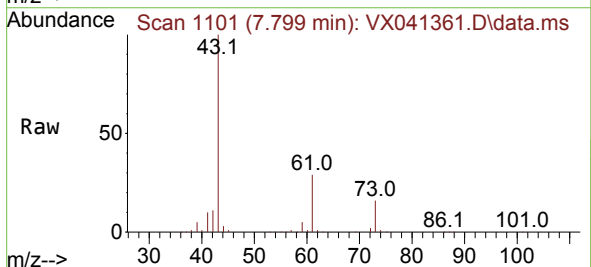
Instrument :
MSVOA_X
ClientSampleId :

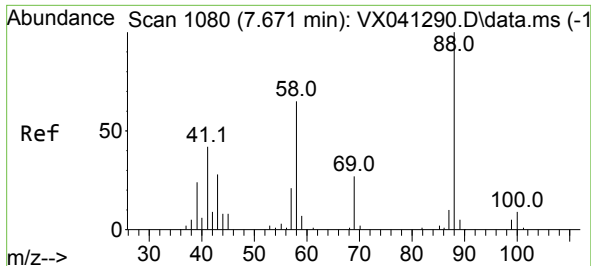
Tgt Ion:	43	Resp:	87866
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.2	22.8
87	13.5	9.8	14.6



#48
Methyl methacrylate
Concen: 45.491 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Tgt Ion:	41	Resp:	70046
Ion	Ratio	Lower	Upper
41	100		
69	0.0	59.2	88.8#
39	55.6	47.7	71.5





#49

1,4-Dioxane

Concen: 2.223 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX041361.D

Acq: 02 May 2024 18:05

Instrument :

MSVOA_X

ClientSampleId :

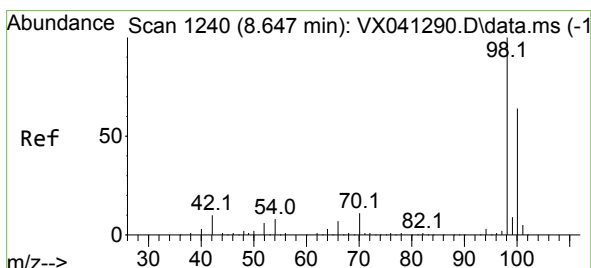
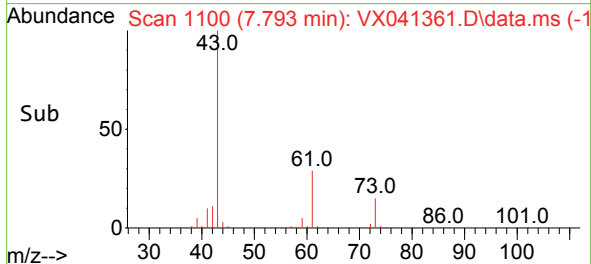
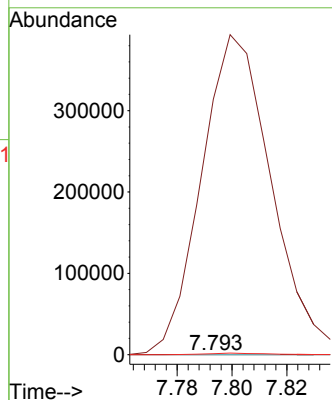
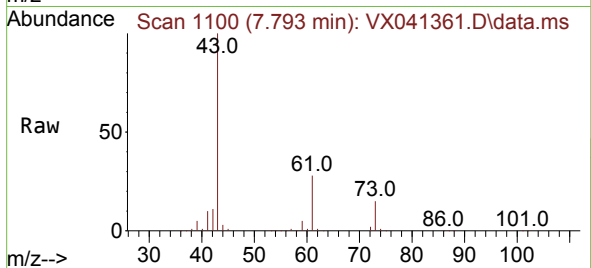
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 967174.3 0.0 0.0#

58 4073.0 60.1 90.1#



#50

Toluene-d8

Concen: 50.170 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX041361.D

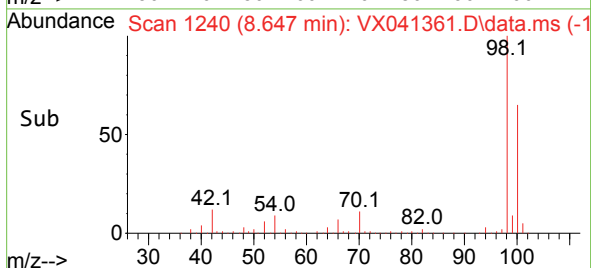
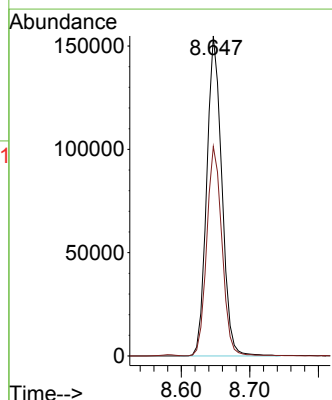
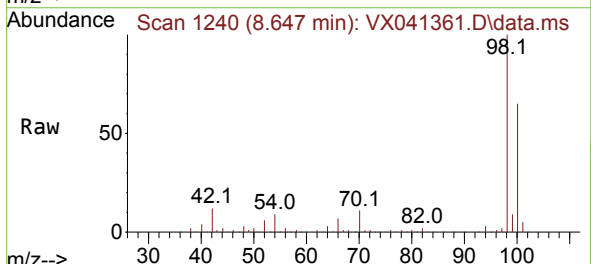
Acq: 02 May 2024 18:05

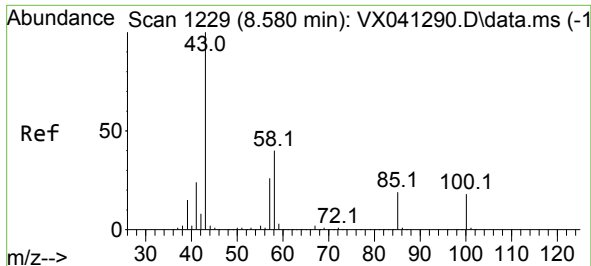
Tgt Ion: 98 Resp: 237762

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7

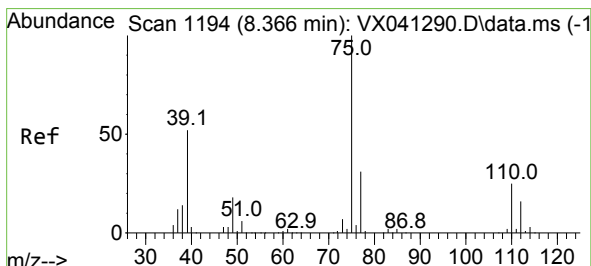
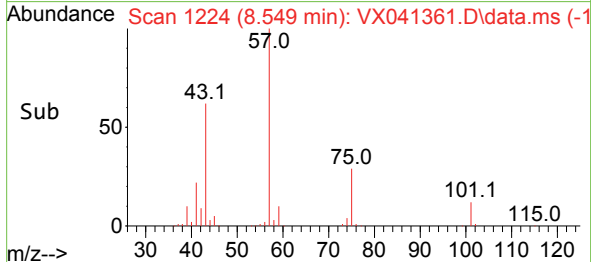
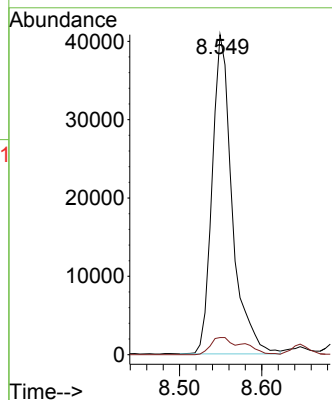
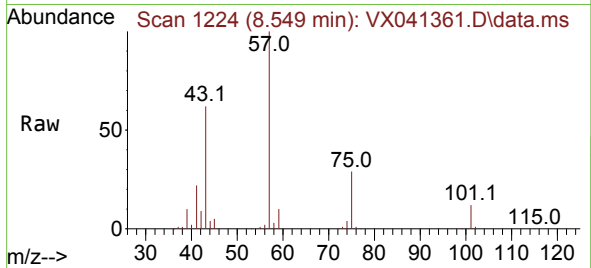




#51
4-Methyl-2-Pentanone
Concen: 34.233 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

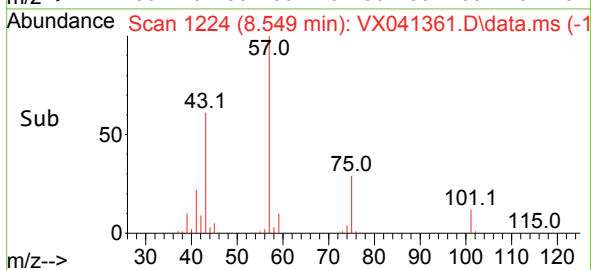
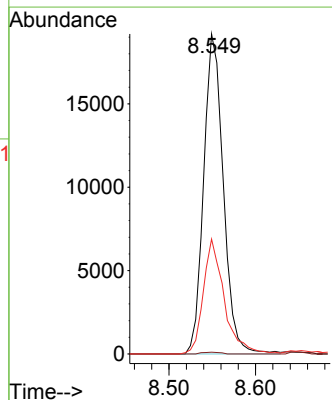
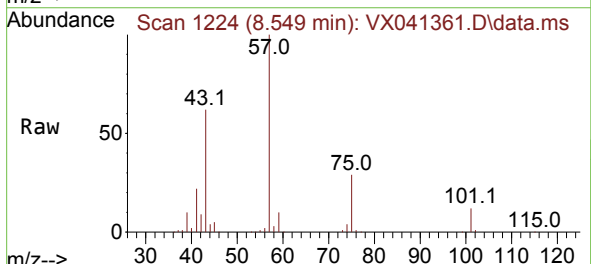
Instrument :
MSVOA_X
ClientSampleId :

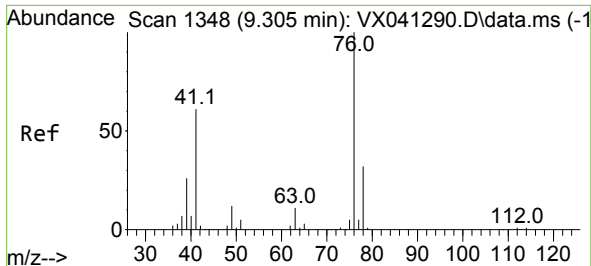
Tgt Ion: 43 Resp: 68997
Ion Ratio Lower Upper
43 100
58 8.7 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 15.738 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

Tgt Ion: 75 Resp: 30267
Ion Ratio Lower Upper
75 100
77 0.5 25.3 37.9#
39 35.9 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.772 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.183 min

Lab File: VX041361.D

Acq: 02 May 2024 18:05

Instrument :

MSVOA_X

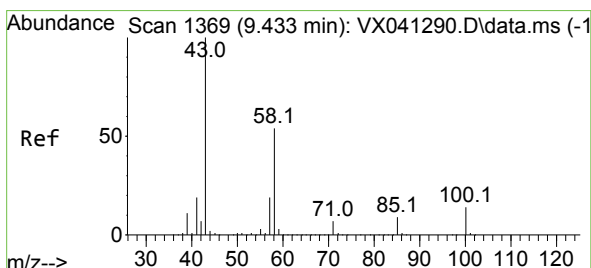
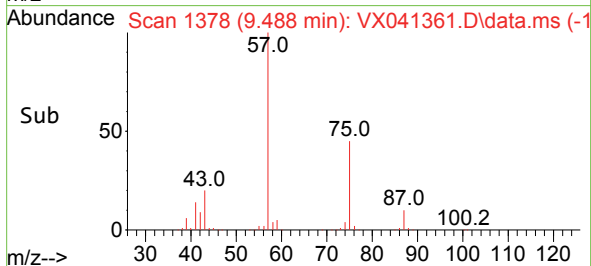
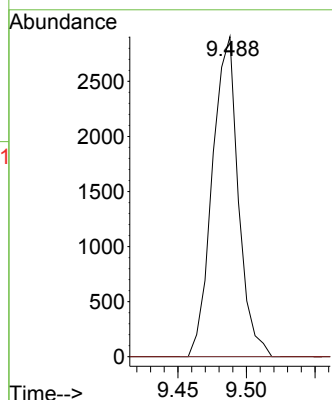
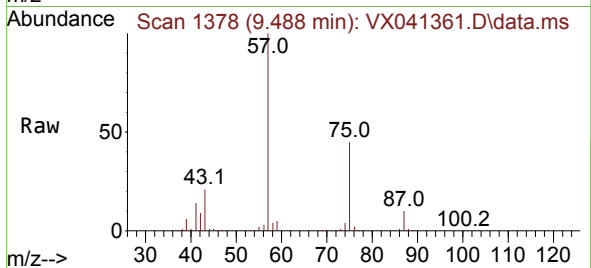
ClientSampleId :

Tgt Ion: 76 Resp: 3845

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 32.235 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX041361.D

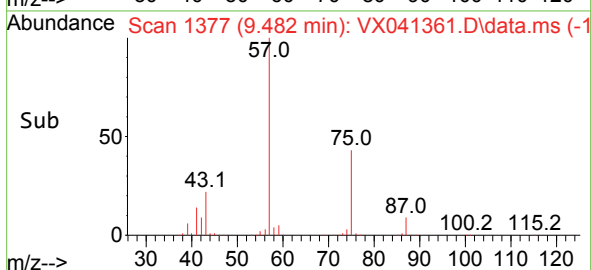
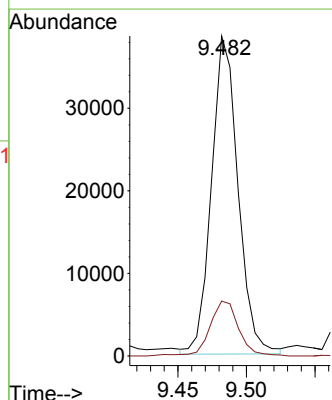
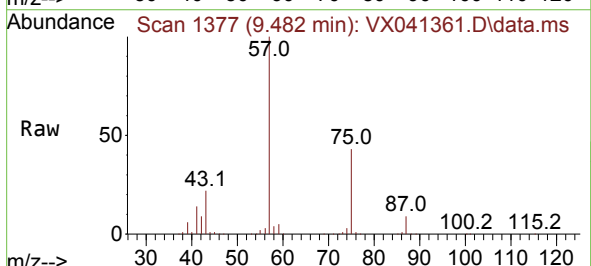
Acq: 02 May 2024 18:05

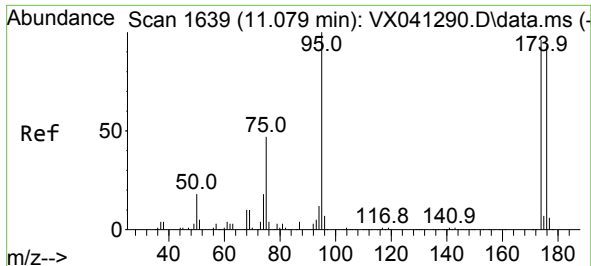
Tgt Ion: 43 Resp: 51953

Ion Ratio Lower Upper

43 100

58 18.7 26.2 78.5#

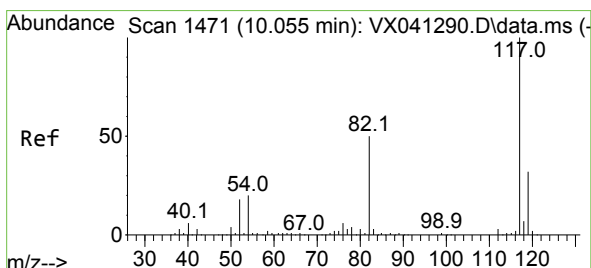
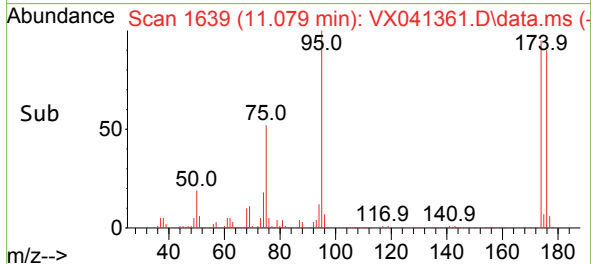
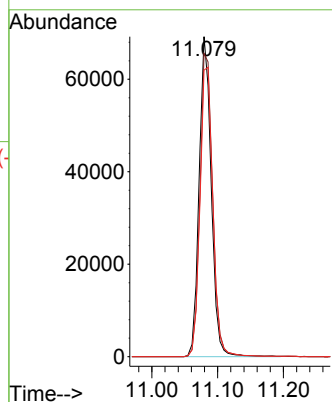
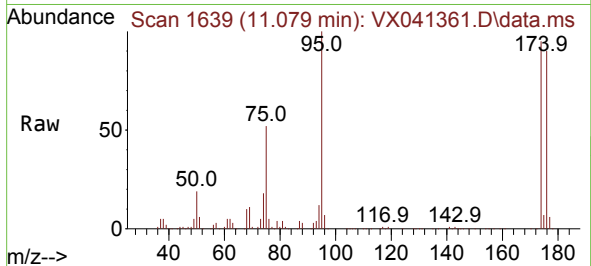




#62
4-Bromofluorobenzene
Concen: 48.272 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

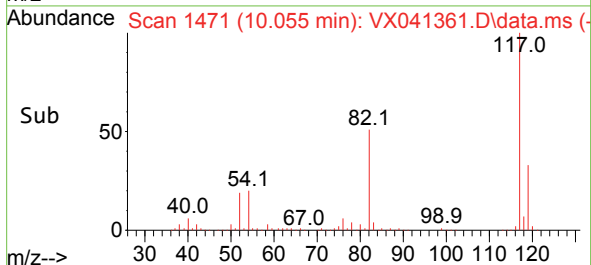
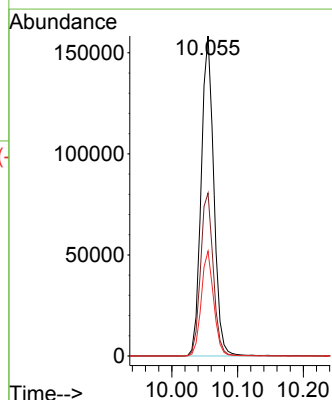
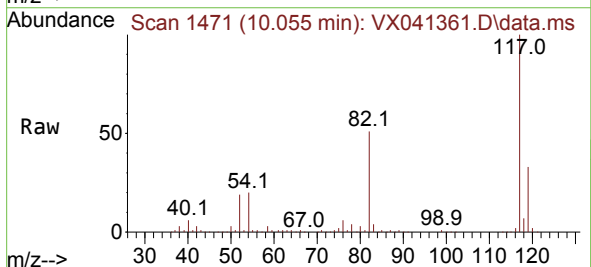
Instrument :
MSVOA_X
ClientSampleId :

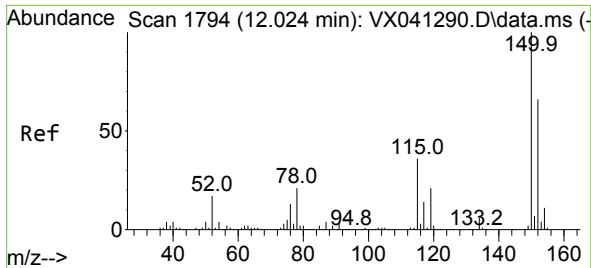
Tgt Ion: 95 Resp: 88558
Ion Ratio Lower Upper
95 100
174 99.7 0.0 135.6
176 96.5 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041361.D
Acq: 02 May 2024 18:05

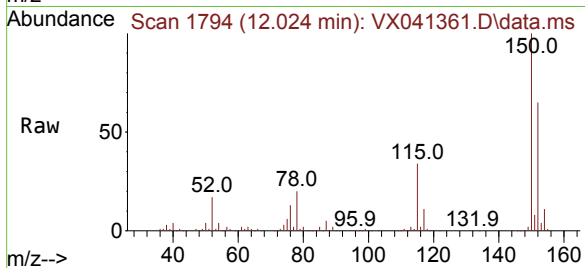
Tgt Ion: 117 Resp: 211286
Ion Ratio Lower Upper
117 100
82 50.9 46.2 69.4
119 32.8 25.5 38.3



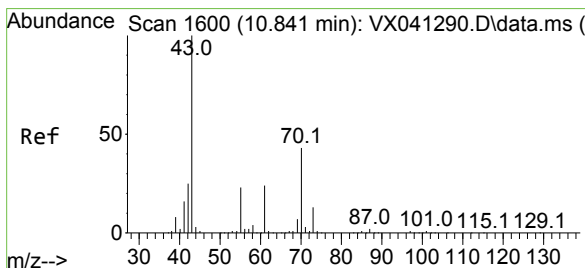
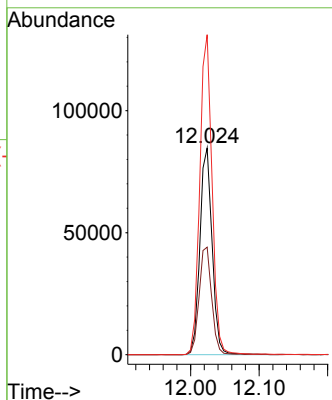
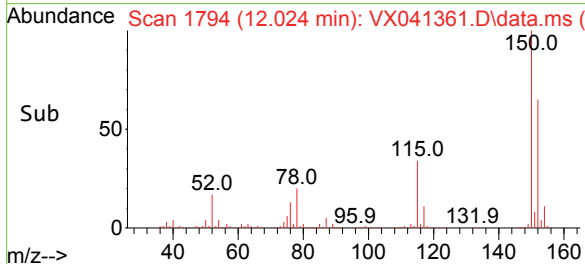


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX041361.D
 Acq: 02 May 2024 18:05

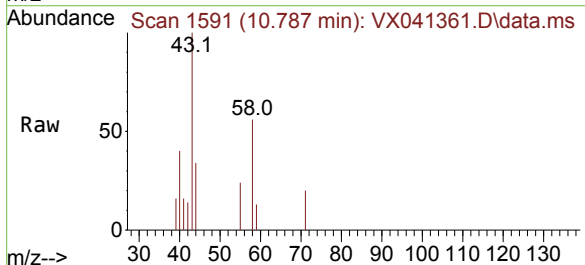
Instrument :
 MSVOA_X
 ClientSampleId :



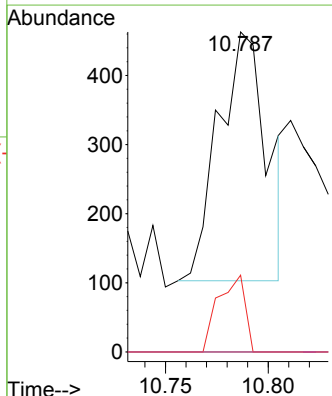
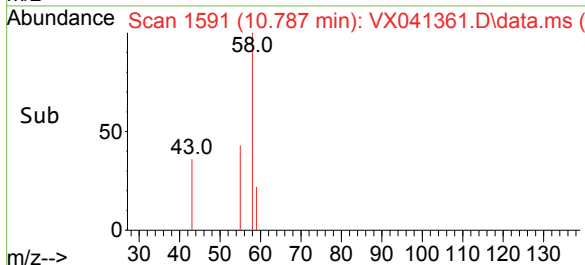
Tgt Ion:152 Resp: 105462
 Ion Ratio Lower Upper
 152 100
 115 53.7 43.3 129.9
 150 155.7 0.0 345.0

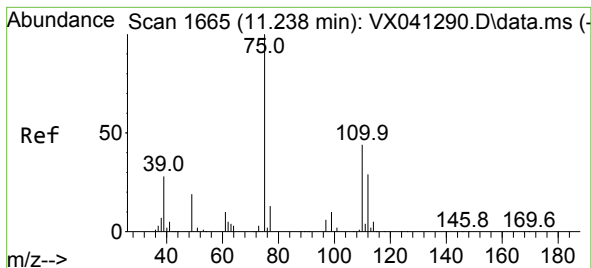


#74
 N-ethyl acetate
 Concen: 0.211 ug/l
 RT: 10.787 min Scan# 1591
 Delta R.T. -0.055 min
 Lab File: VX041361.D
 Acq: 02 May 2024 18:05



Tgt Ion: 43 Resp: 594
 Ion Ratio Lower Upper
 43 100
 70 0.0 32.9 49.3#
 55 17.0 19.3 28.9#
 61 0.0 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 26.497 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX041361.D

Acq: 02 May 2024 18:05

Instrument :

MSVOA_X

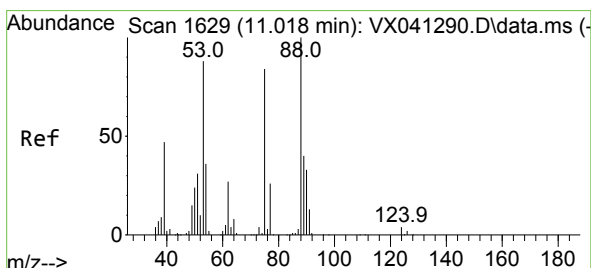
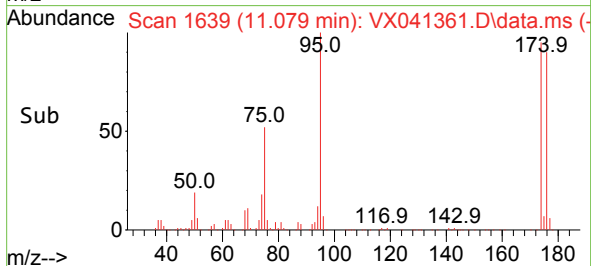
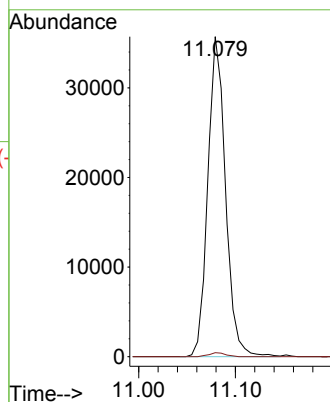
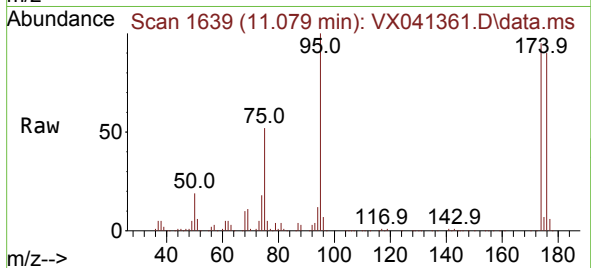
ClientSampleId :

Tgt Ion: 75 Resp: 45540

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.174 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041361.D

Acq: 02 May 2024 18:05

Tgt Ion: 75 Resp: 45540

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

