

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037365.D
 Acq On : 30 Aug 2023 03:09
 Operator : JC/MD
 Sample : 04196-32
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 30 03:49:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

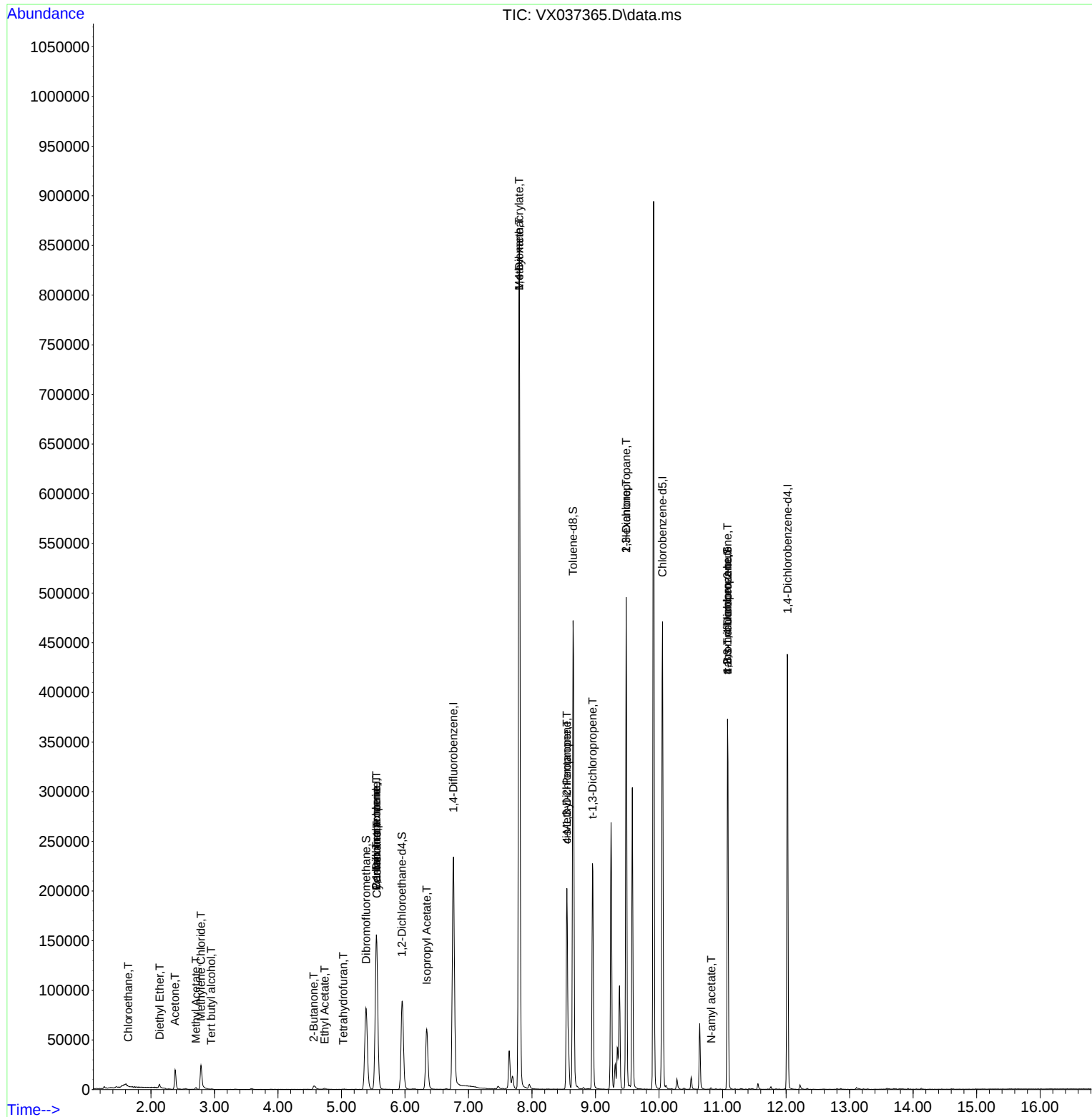
Internal Standards						
1) Pentafluorobenzene	5.550	168	146882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242114	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89770	42.393	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.780%		
35) Dibromofluoromethane	5.385	113	74125	46.228	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.460%		
50) Toluene-d8	8.647	98	288180	49.546	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.100%		
62) 4-Bromofluorobenzene	11.079	95	104111	45.548	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.100%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.642	64	839	0.878	ug/l #	43
8) Diethyl Ether	2.136	74	1021	0.992	ug/l	93
11) Tert butyl alcohol	2.946	59	556	1.119	ug/l #	78
16) Acetone	2.380	43	21217	25.612	ug/l #	88
18) Methyl Acetate	2.709	43	2352	0.754	ug/l	100
20) Methylene Chloride	2.788	84	15021	8.108	ug/l #	84
25) 2-Butanone	4.562	43	7251	5.813	ug/l	93
29) Tetrahydrofuran	5.025	42	481	0.605	ug/l #	37
31) Cyclohexane	5.556	56	2905	1.220	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10906	4.787	ug/l #	52
37) Ethyl Acetate	4.733	43	2512	1.079	ug/l #	91
38) Carbon Tetrachloride	5.550	117	15575	6.294	ug/l #	15
43) Isopropyl Acetate	6.342	43	81620	22.092	ug/l #	90
48) Methyl methacrylate	7.799	41	71587	39.732	ug/l #	47
49) 1,4-Dioxane	7.799	88	85	1.752	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	81254	36.219	ug/l #	37
53) t-1,3-Dichloropropene	8.951	75	572	0.221	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	35705	12.766	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	4697	1.585	ug/l #	42
59) 2-Hexanone	9.482	43	51694	30.221	ug/l #	56
74) N-amyl acetate	10.823	43	1109	0.409	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	51848	25.335	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51848	70.762	ug/l #	5

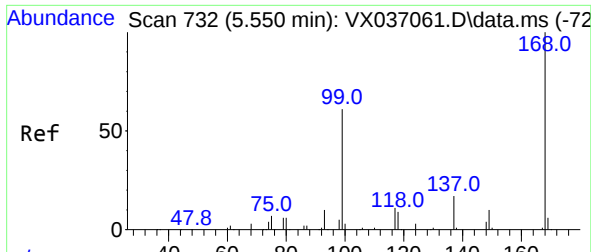
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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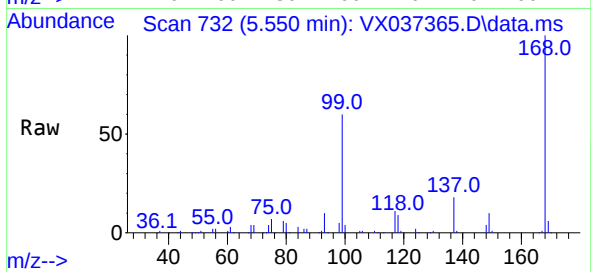
Quant Time: Aug 30 03:49:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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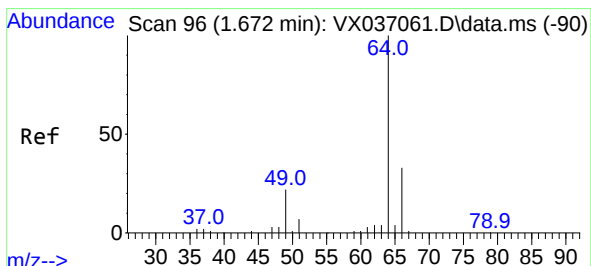
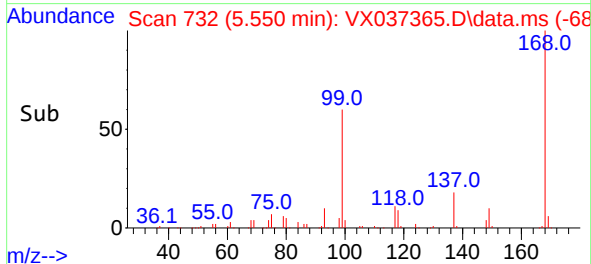
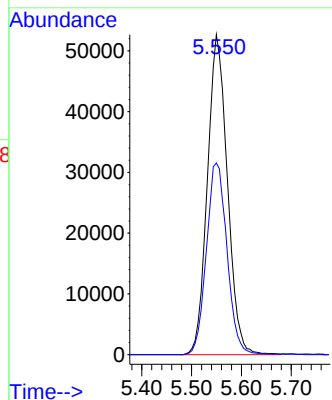


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Instrument :
MSVOA_X
ClientSampleId :

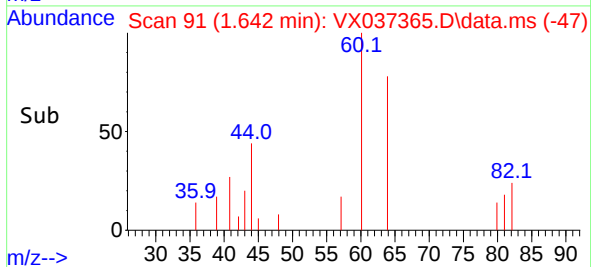
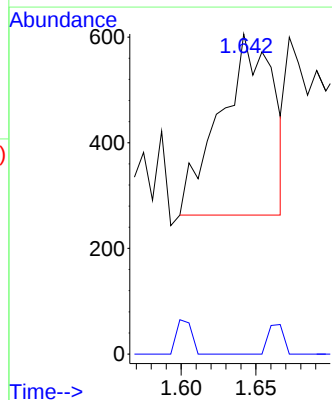
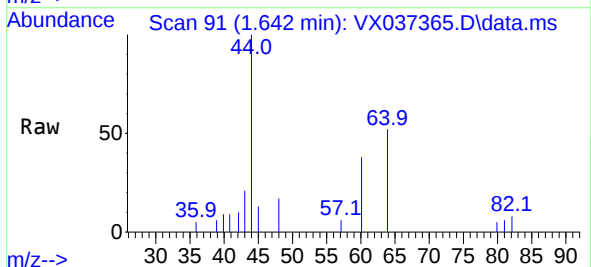


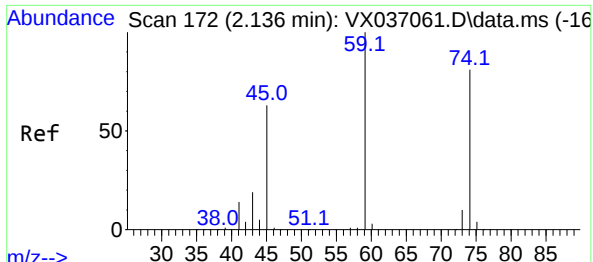
Tgt Ion:168 Resp: 146882
Ion Ratio Lower Upper
168 100
99 59.9 56.6 85.0



#6
Chloroethane
Concen: 0.878 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.030 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

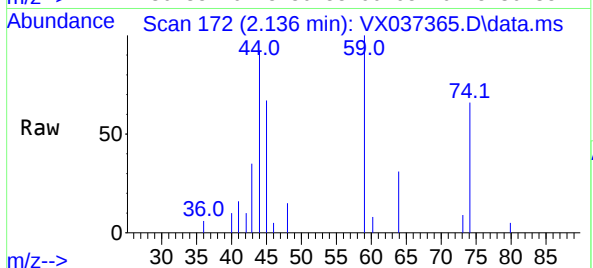
Tgt Ion: 64 Resp: 839
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



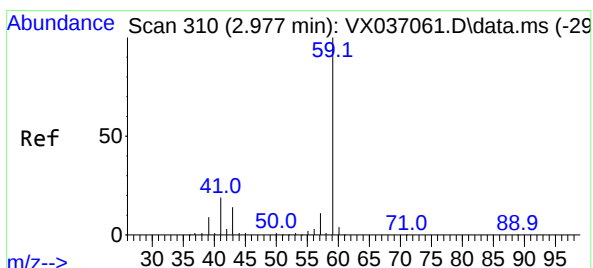
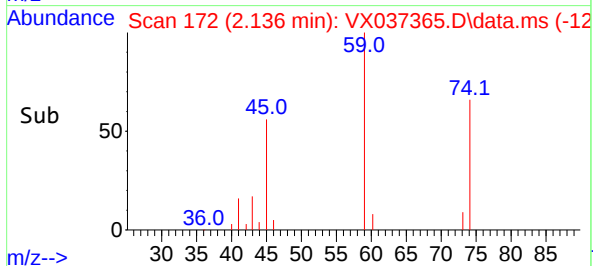
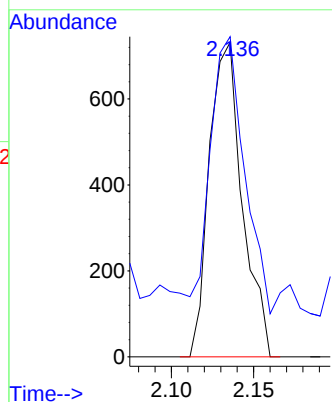


#8
Diethyl Ether
Concen: 0.992 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Instrument :
MSVOA_X
ClientSampleId :

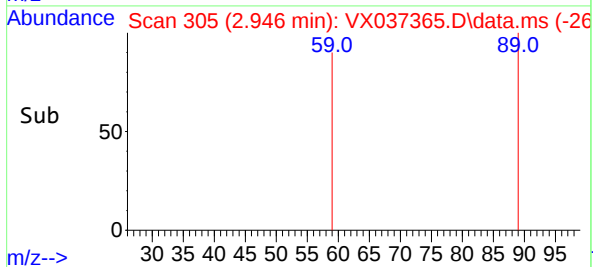
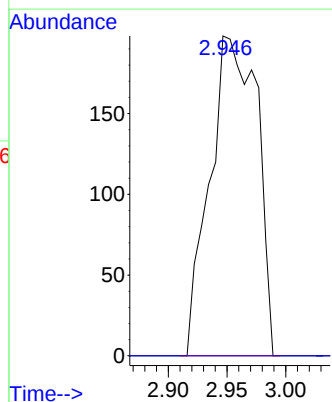
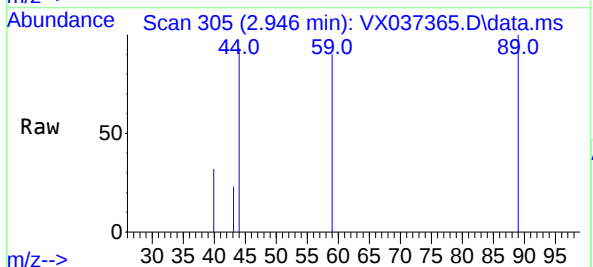


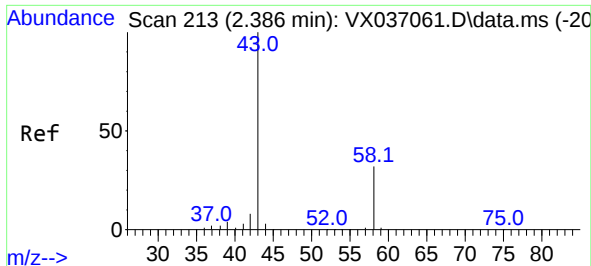
Tgt Ion: 74 Resp: 1021
Ion Ratio Lower Upper
74 100
45 114.0 53.3 159.8



#11
Tert butyl alcohol
Concen: 1.119 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.031 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Tgt Ion: 59 Resp: 556
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

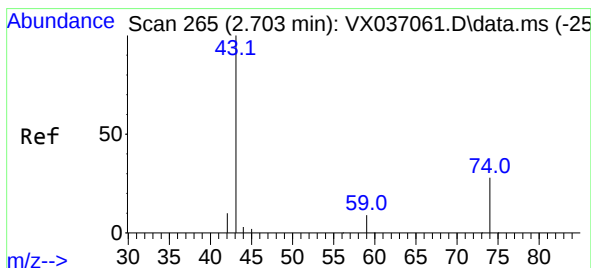
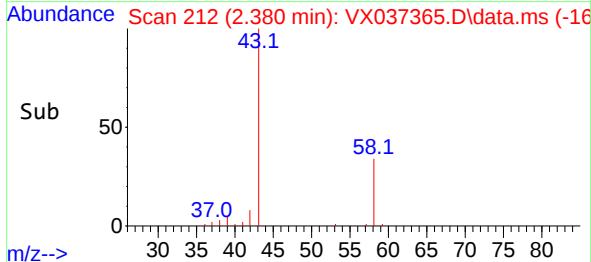
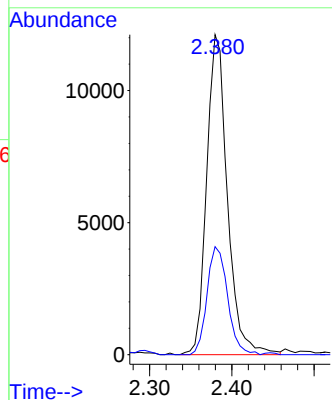
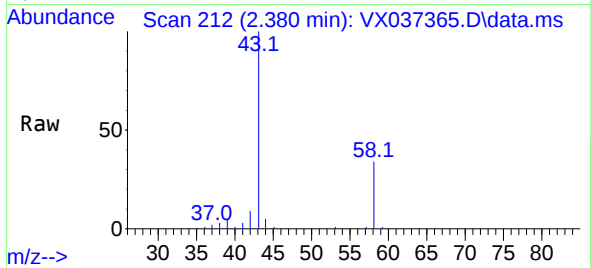




#16
Acetone
Concen: 25.612 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

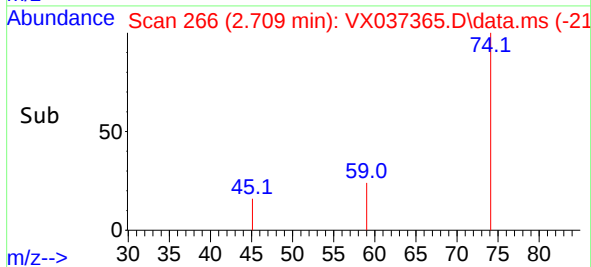
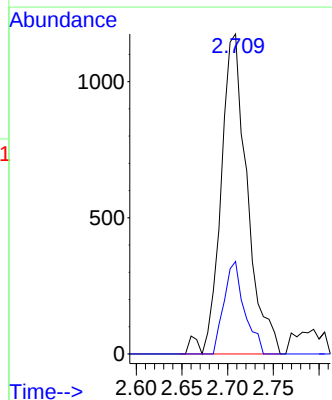
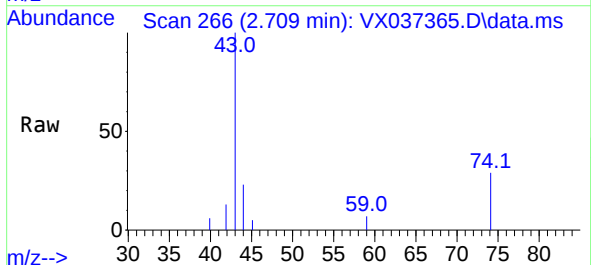
Instrument :
MSVOA_X
ClientSampleId :

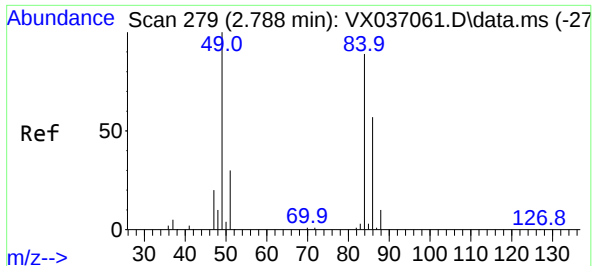
Tgt Ion: 43 Resp: 21217
Ion Ratio Lower Upper
43 100
58 33.8 21.9 32.9#



#18
Methyl Acetate
Concen: 0.754 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Tgt Ion: 43 Resp: 2352
Ion Ratio Lower Upper
43 100
74 22.4 17.8 26.8





#20

Methylene Chloride

Concen: 8.108 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

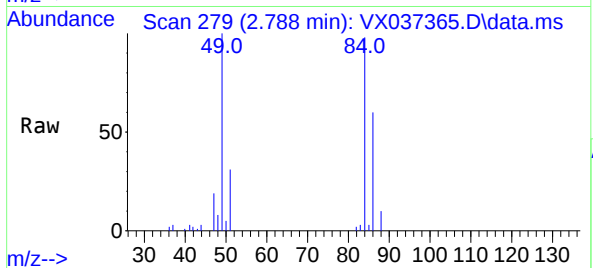
Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 15021

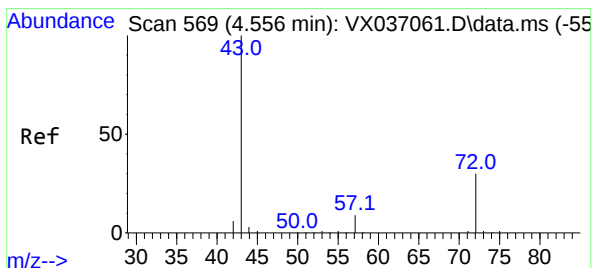
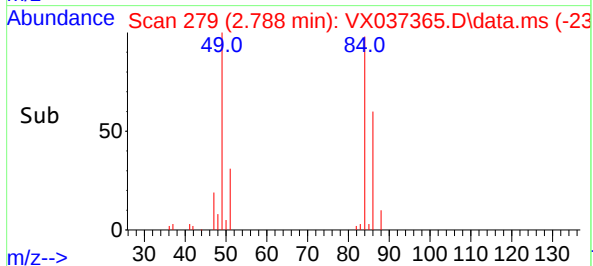
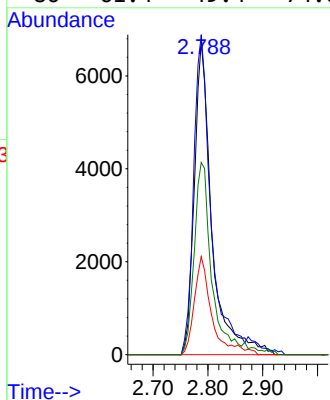
Ion Ratio Lower Upper

84 100

49 102.2 103.6 155.4#

51 31.3 33.8 50.6#

86 61.4 49.4 74.0



#25

2-Butanone

Concen: 5.813 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX037365.D

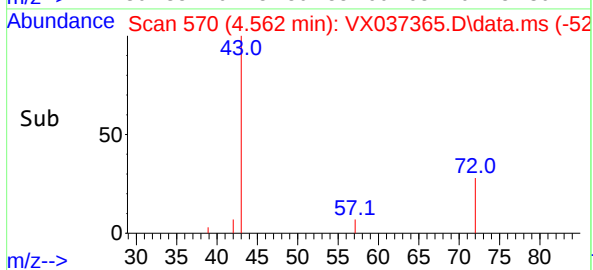
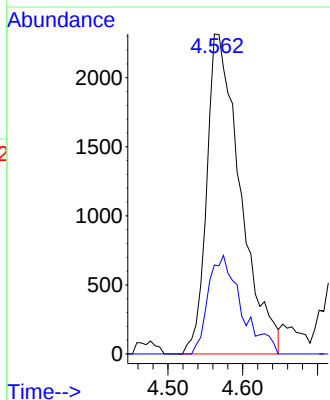
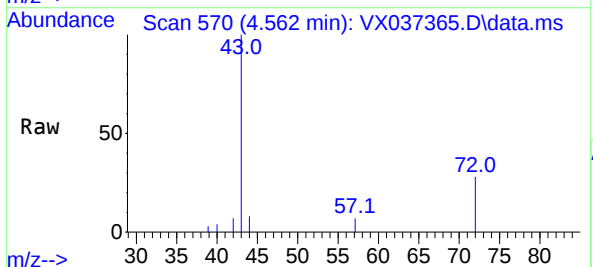
Acq: 30 Aug 2023 03:09

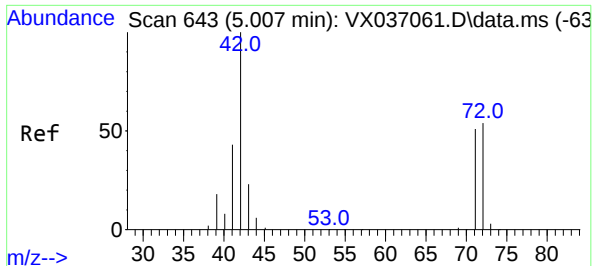
Tgt Ion: 43 Resp: 7251

Ion Ratio Lower Upper

43 100

72 27.8 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.605 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

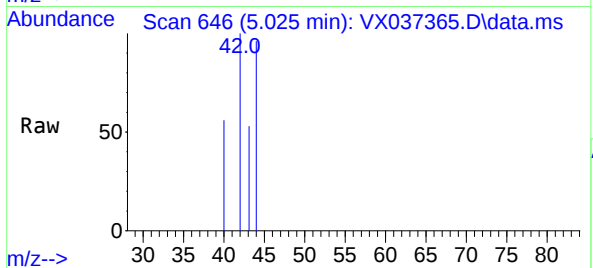
Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

Instrument :

MSVOA_X

ClientSampleId :



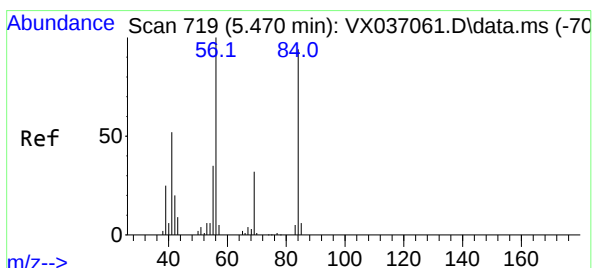
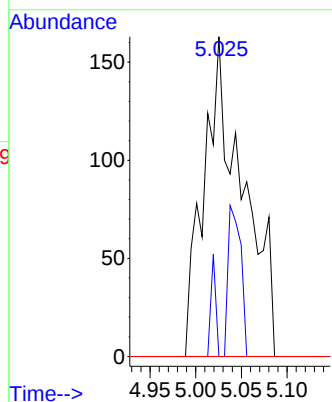
Tgt Ion: 42 Resp: 481

Ion Ratio Lower Upper

42 100

72 4.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

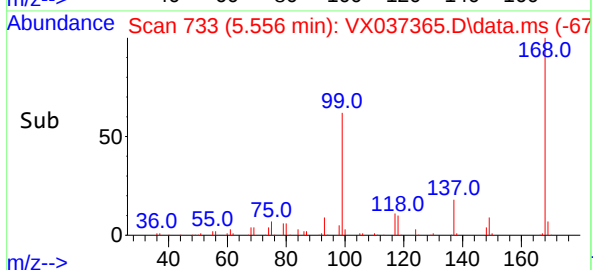
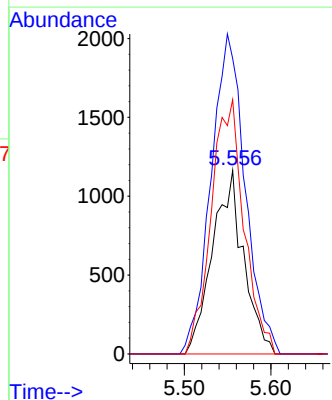
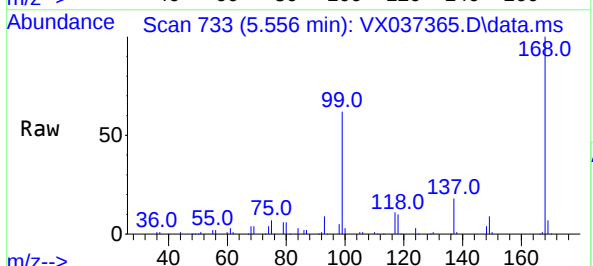
Tgt Ion: 56 Resp: 2905

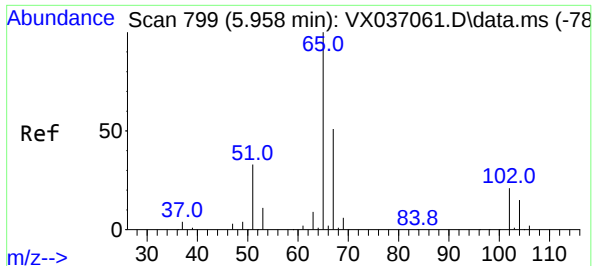
Ion Ratio Lower Upper

56 100

69 160.9 23.4 35.2#

84 138.5 65.9 98.9#

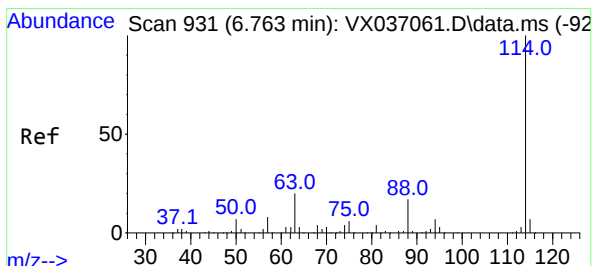
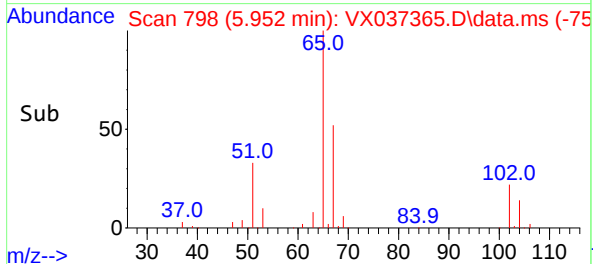
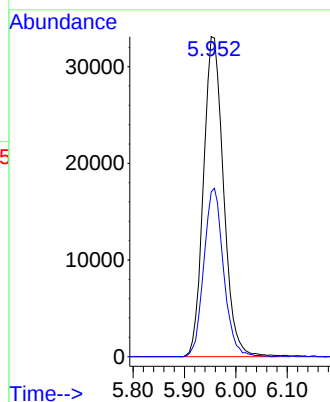
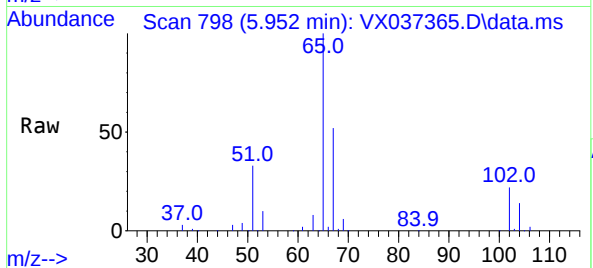




#33
1,2-Dichloroethane-d4
Concen: 42.393 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

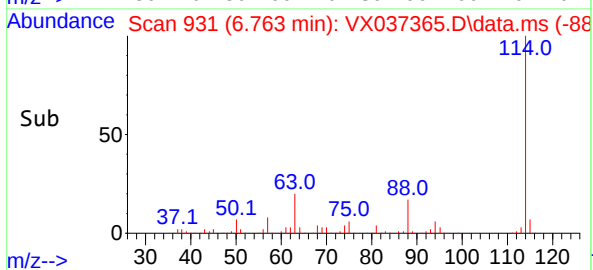
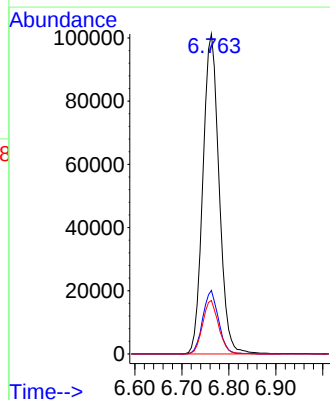
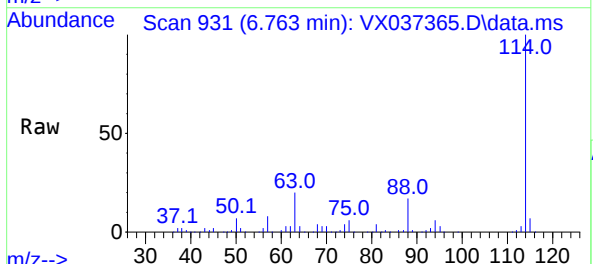
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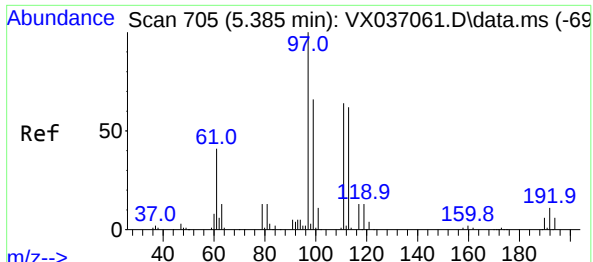
Tgt Ion: 65 Resp: 89770
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Tgt Ion: 114 Resp: 242114
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 16.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.228 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

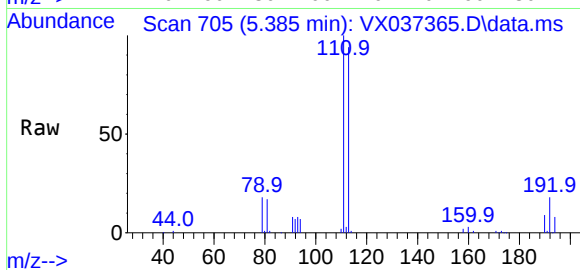
Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

Instrument :

MSVOA_X

ClientSampleId :



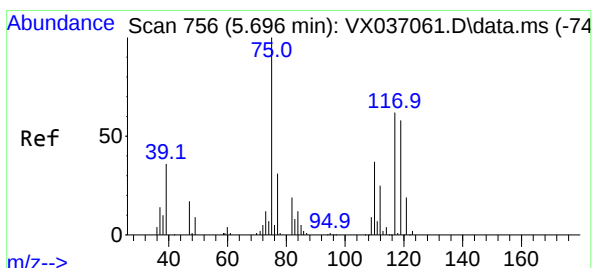
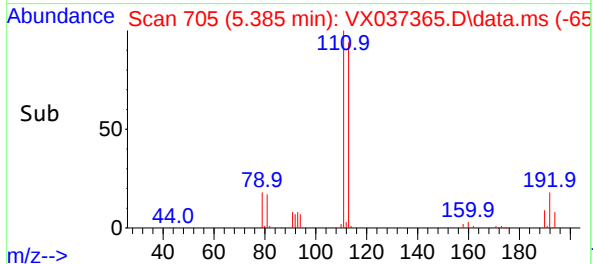
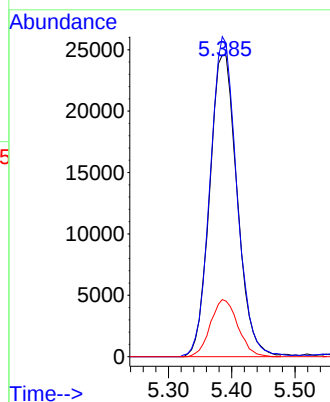
Tgt Ion:113 Resp: 74125

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 18.8 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.787 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

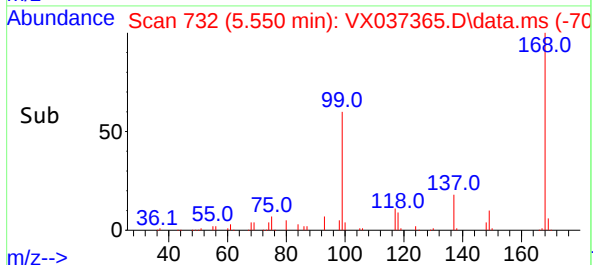
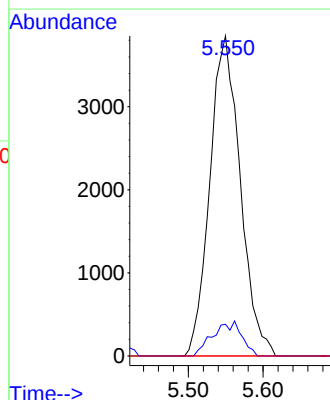
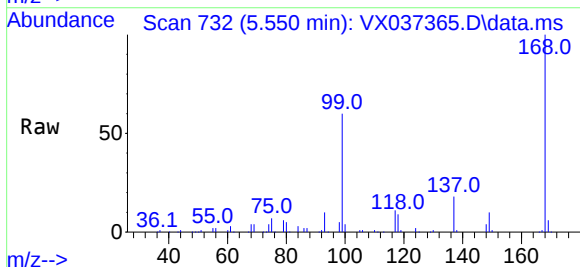
Tgt Ion: 75 Resp: 10906

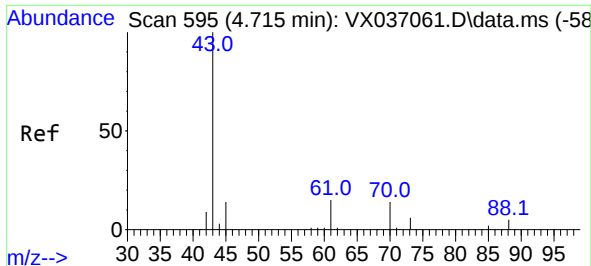
Ion Ratio Lower Upper

75 100

110 10.3 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.079 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

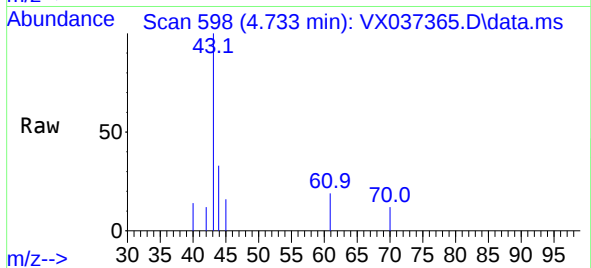
Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

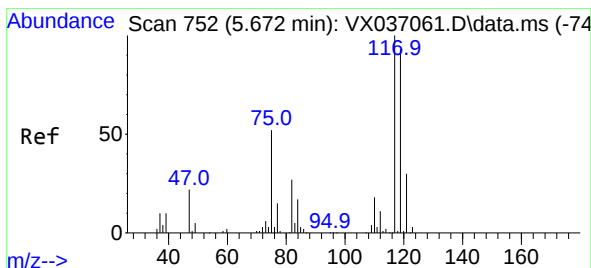
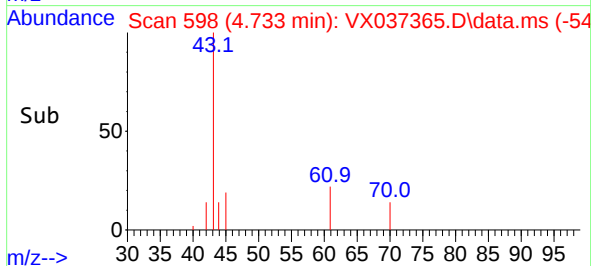
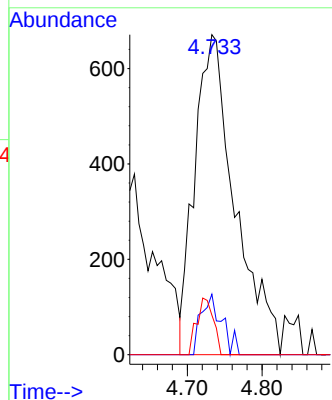
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2512
Ion Ratio	Lower Upper
43	100
61	9.7 10.6 16.0#
70	7.3 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.294 ug/l

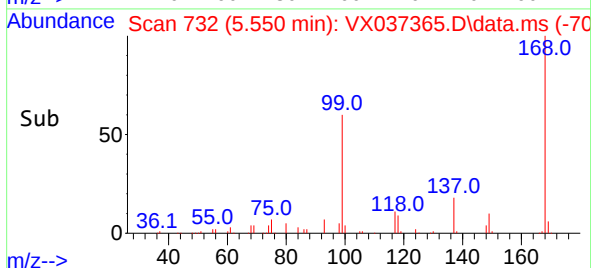
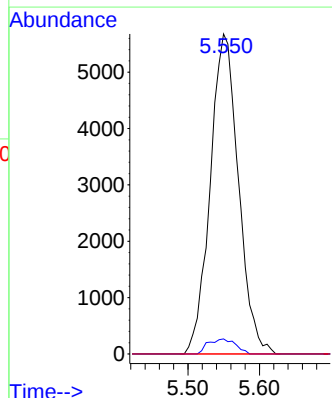
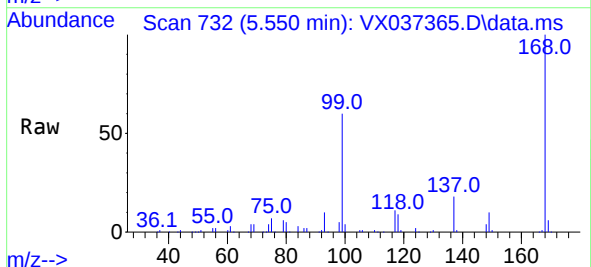
RT: 5.550 min Scan# 732

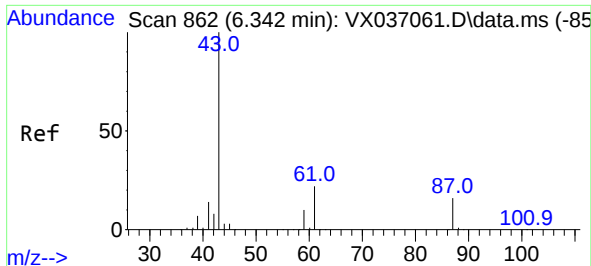
Delta R.T. -0.122 min

Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

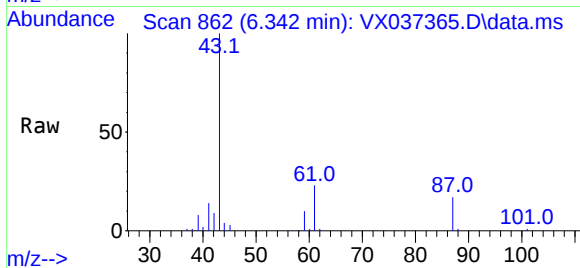
Tgt Ion: 117	Resp: 15575
Ion Ratio	Lower Upper
117	100
119	4.7 78.2 117.2#
121	0.0 24.4 36.6#



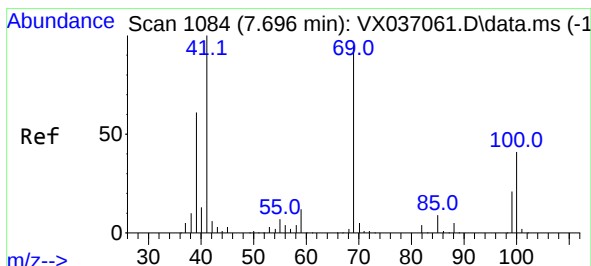
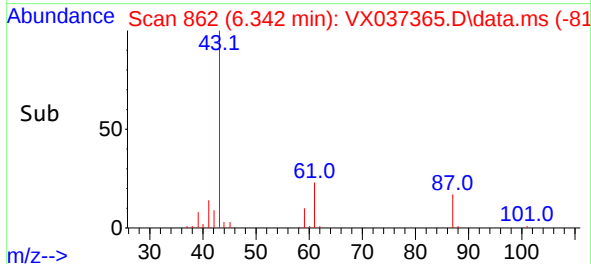
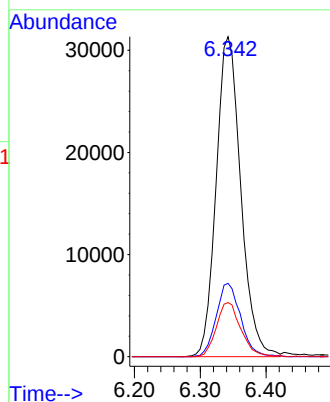


#43
Isopropyl Acetate
Concen: 22.092 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Instrument :
MSVOA_X
ClientSampleId :

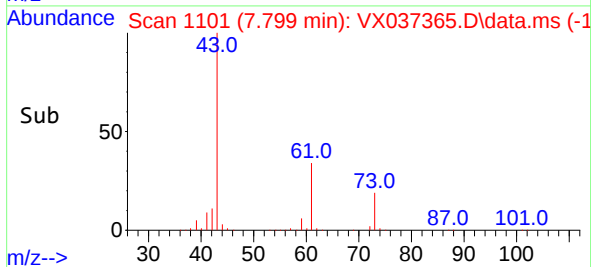
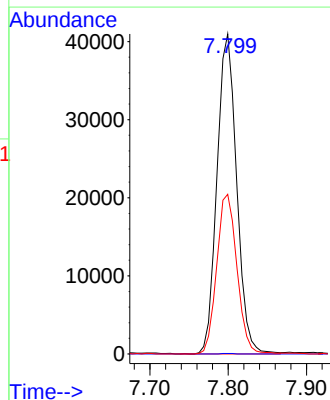
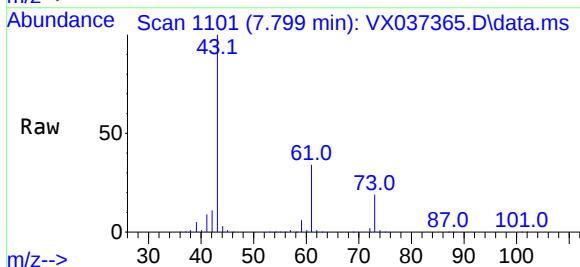


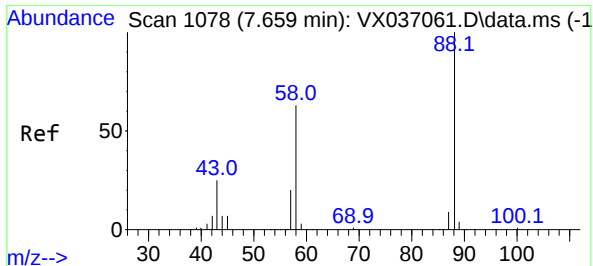
Tgt Ion: 43 Resp: 81620
Ion Ratio Lower Upper
43 100
61 22.7 15.2 22.8
87 16.8 9.8 14.6#



#48
Methyl methacrylate
Concen: 39.732 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Tgt Ion: 41 Resp: 71587
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 51.5 47.7 71.5

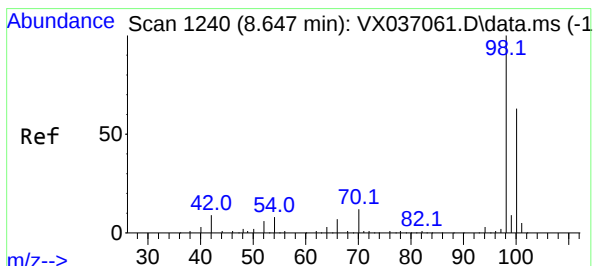
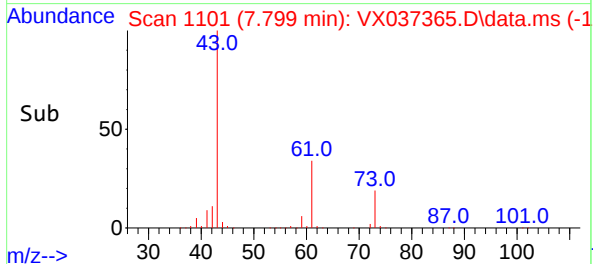
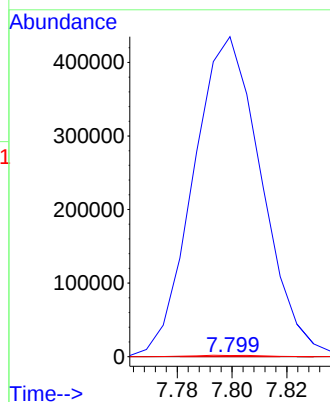
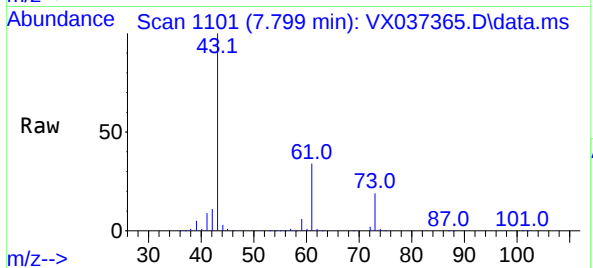




#49
1,4-Dioxane
Concen: 1.752 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

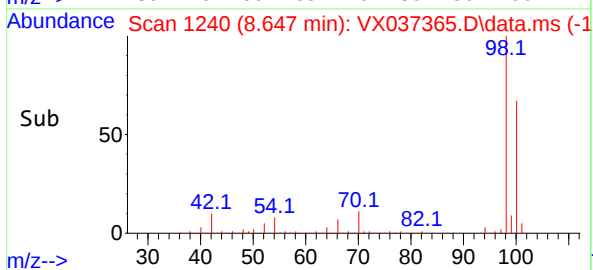
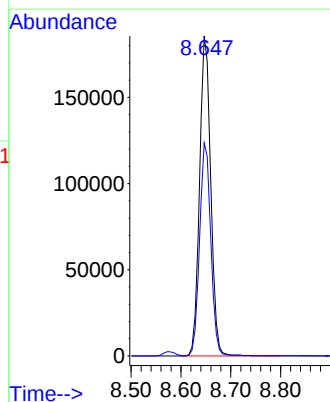
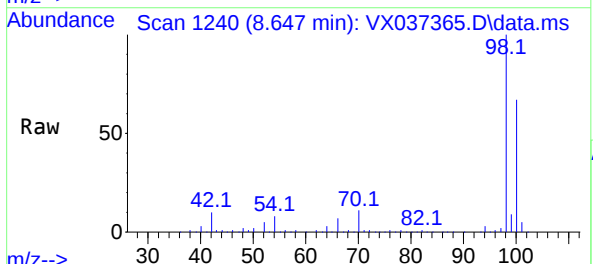
Instrument :
MSVOA_X
ClientSampleId :

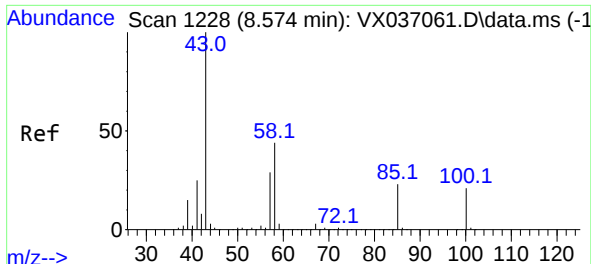
Tgt Ion: 88 Resp: 85
Ion Ratio Lower Upper
88 100
43 896943.5 0.0 0.0#
58 3992.9 60.1 90.1#



#50
Toluene-d8
Concen: 49.546 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Tgt Ion: 98 Resp: 288180
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

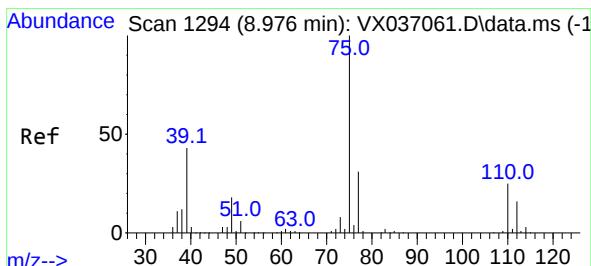
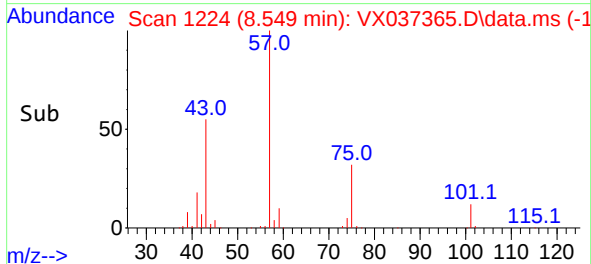
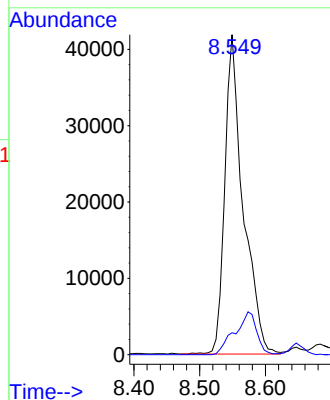
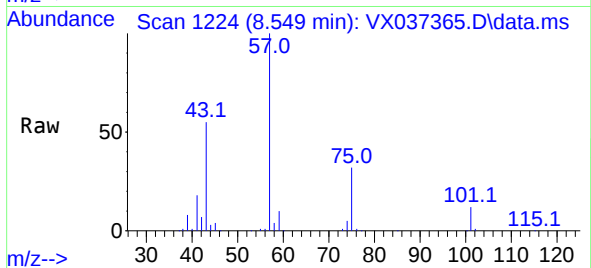




#51
4-Methyl-2-Pentanone
Concen: 36.219 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

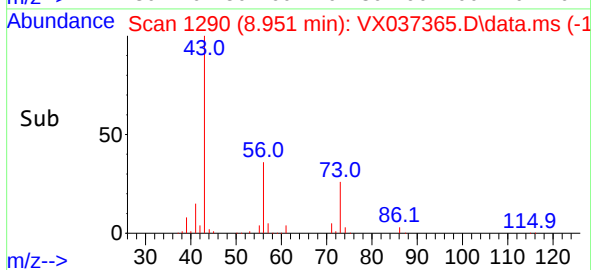
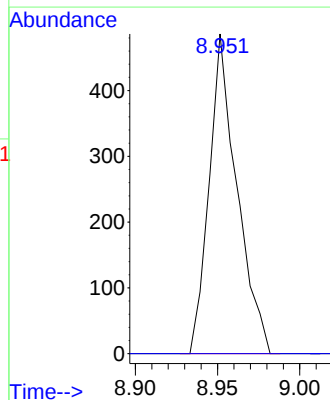
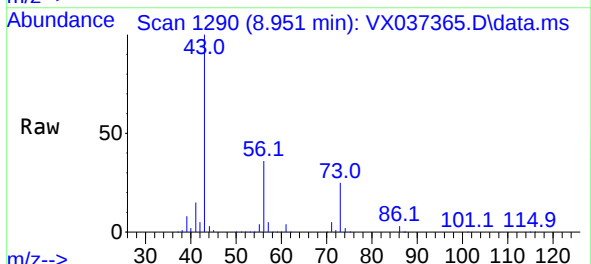
Instrument :
MSVOA_X
ClientSampleId :

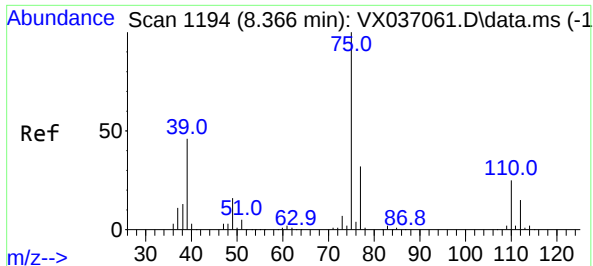
Tgt Ion: 43 Resp: 81254
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 8.951 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Tgt Ion: 75 Resp: 572
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#





#54

cis-1,3-Dichloropropene

Concen: 12.766 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

Instrument :

MSVOA_X

ClientSampleId :

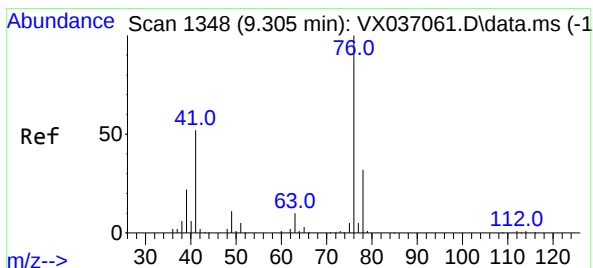
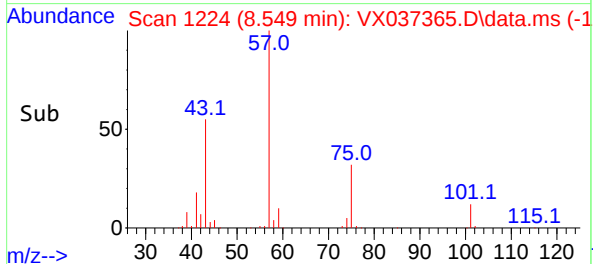
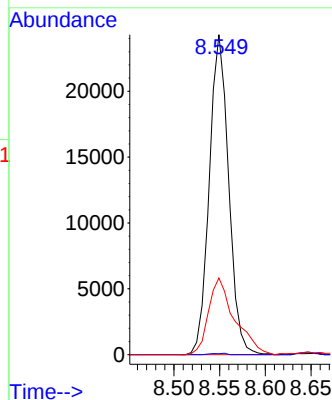
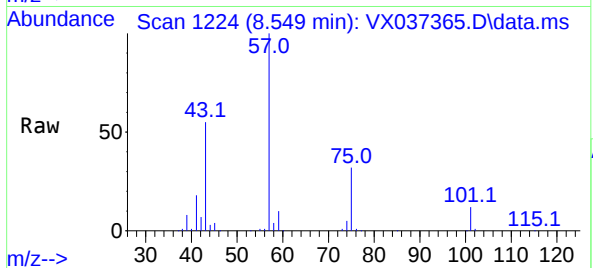
Tgt Ion: 75 Resp: 35705

Ion Ratio Lower Upper

75 100

77 0.3 25.3 37.9#

39 23.9 46.7 70.1#



#57

1,3-Dichloropropane

Concen: 1.585 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX037365.D

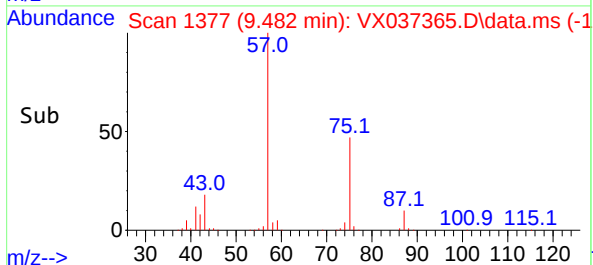
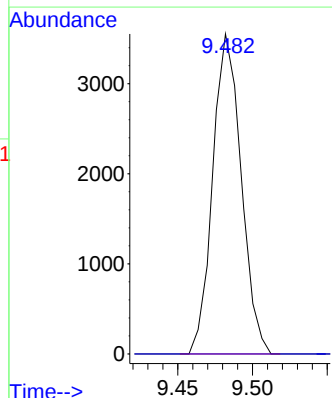
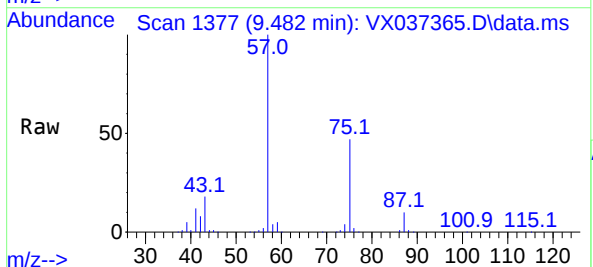
Acq: 30 Aug 2023 03:09

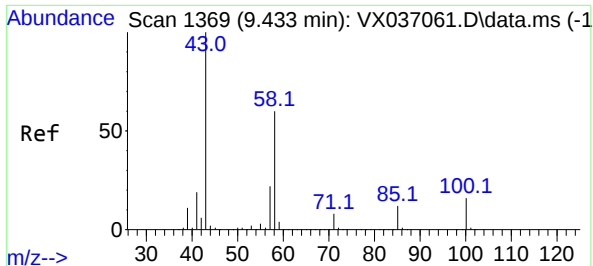
Tgt Ion: 76 Resp: 4697

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 30.221 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

Instrument :

MSVOA_X

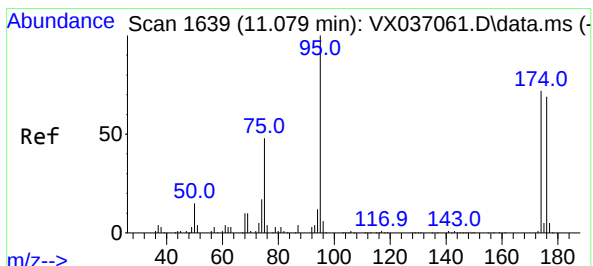
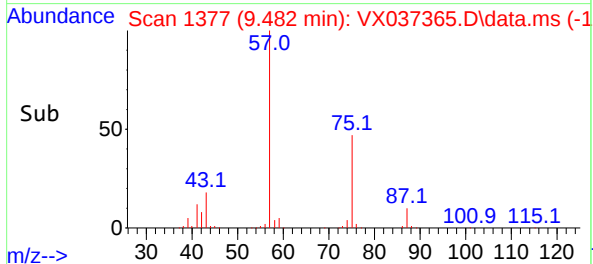
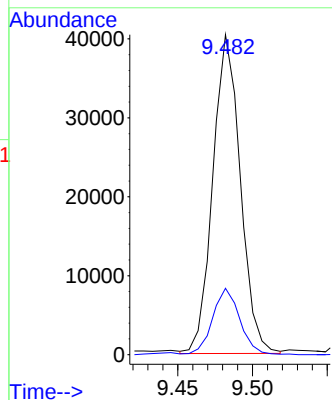
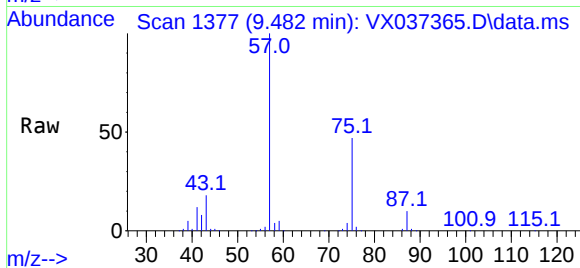
ClientSampleId :

Tgt Ion: 43 Resp: 51694

Ion Ratio Lower Upper

43 100

58 21.2 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 45.548 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037365.D

Acq: 30 Aug 2023 03:09

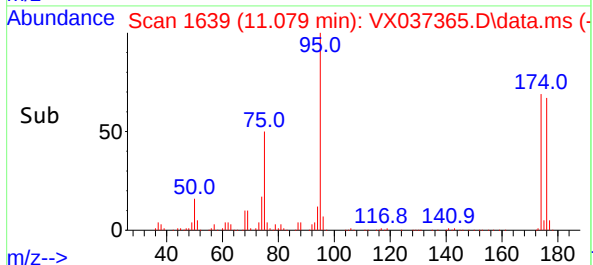
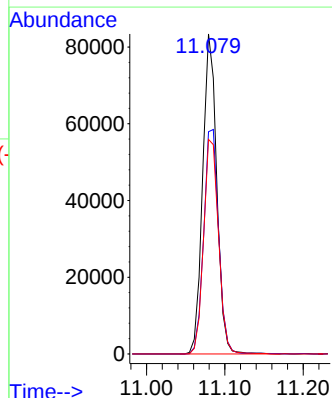
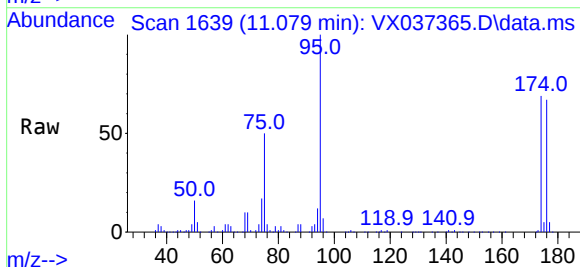
Tgt Ion: 95 Resp: 104111

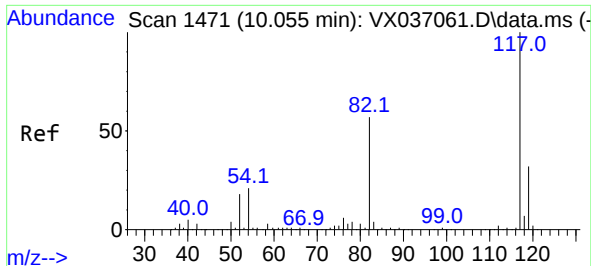
Ion Ratio Lower Upper

95 100

174 74.1 0.0 135.6

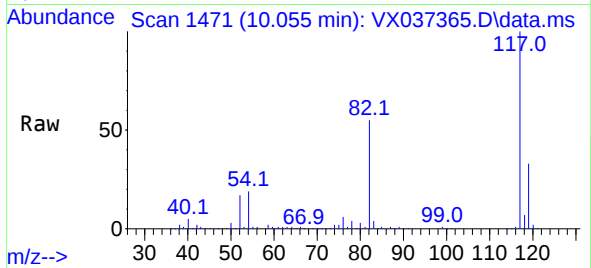
176 71.1 0.0 131.0



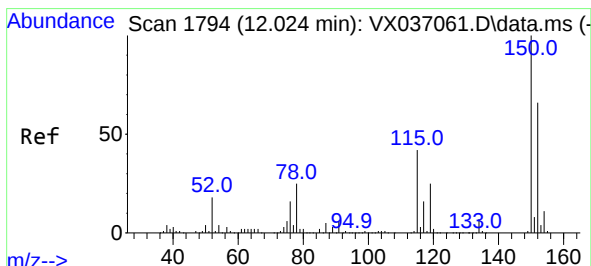
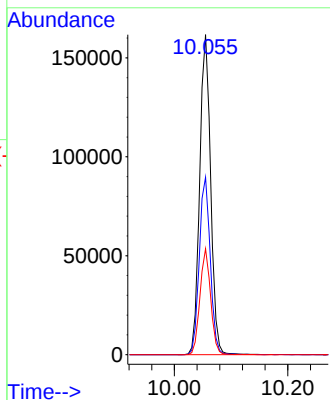
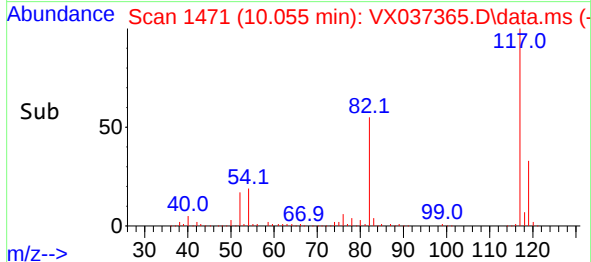


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

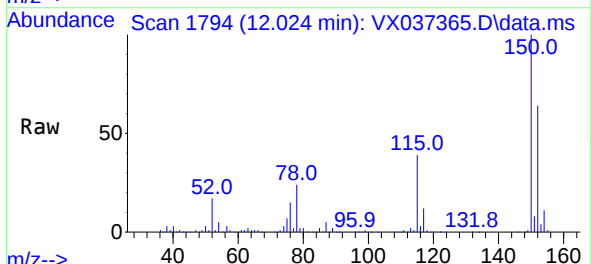
Instrument :
MSVOA_X
ClientSampleId :



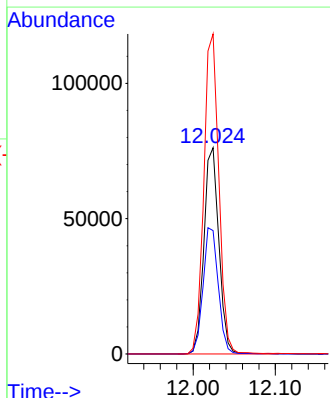
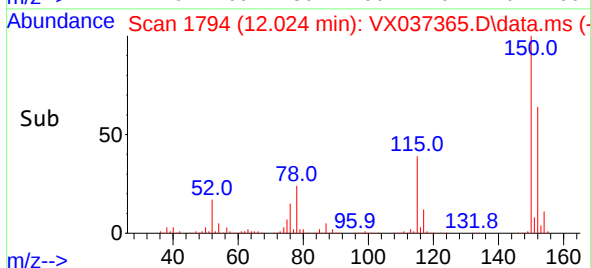
Tgt Ion:117 Resp: 216483
Ion Ratio Lower Upper
117 100
82 55.4 46.2 69.4
119 33.1 25.5 38.3

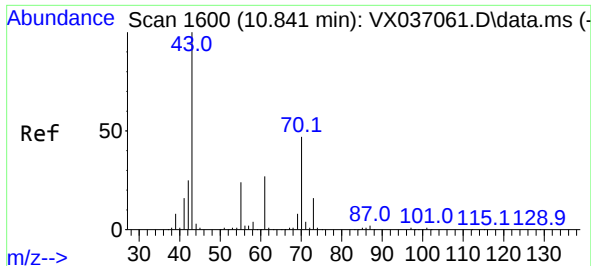


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09



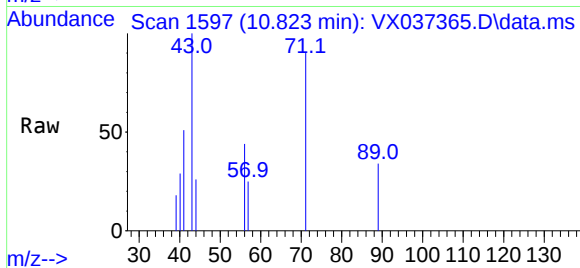
Tgt Ion:152 Resp: 96094
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 156.3 0.0 345.0



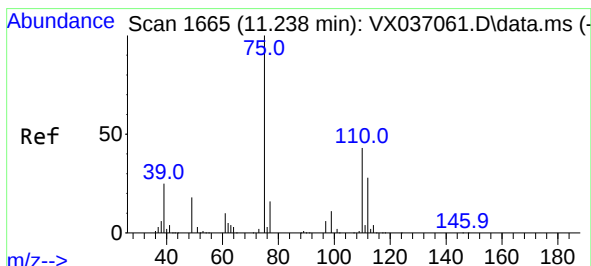
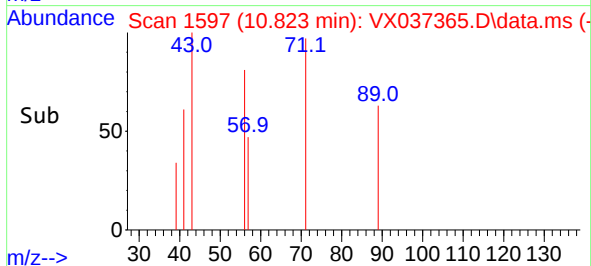
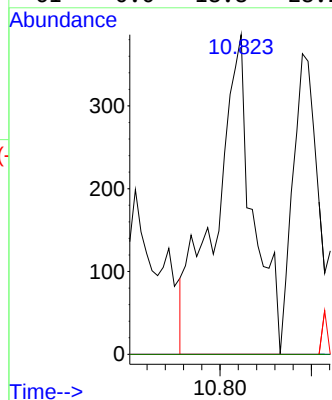


#74
N-amy1 acetate
Concen: 0.409 ug/l
RT: 10.823 min Scan# 1109
Delta R.T. -0.018 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Instrument :
MSVOA_X
ClientSampleId :

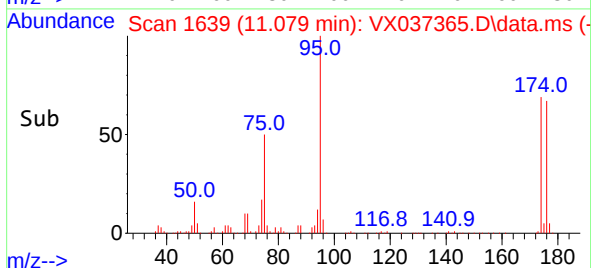
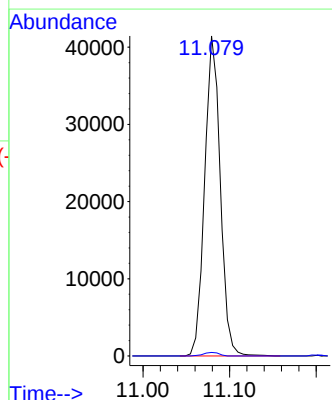
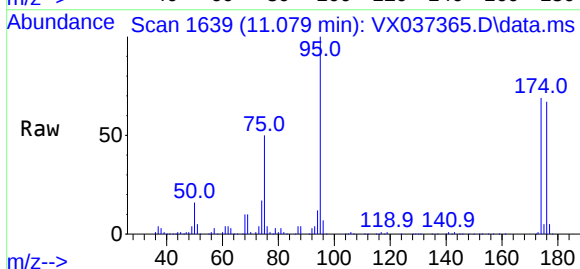


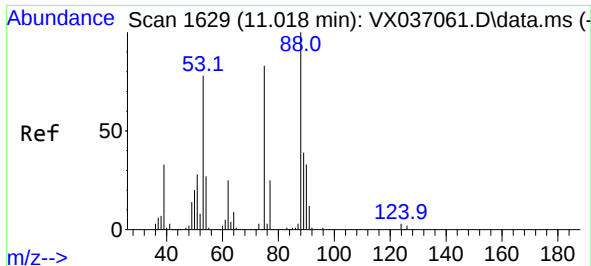
Tgt Ion: 43	Resp: 1109
Ion Ratio	Lower Upper
43 100	
70 0.0	32.9 49.3#
55 0.0	19.3 28.9#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

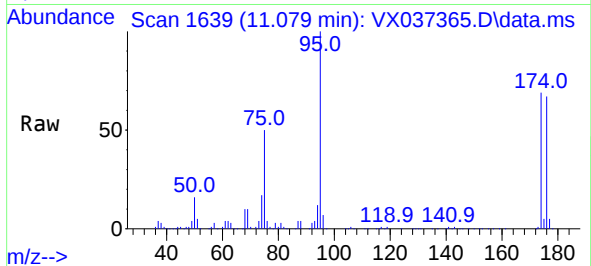
Tgt Ion: 75	Resp: 51848
Ion Ratio	Lower Upper
75 100	
77 1.1	19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.762 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX037365.D
Acq: 30 Aug 2023 03:09

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 51848
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

