

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036844.D
 Acq On : 07 Aug 2023 18:05
 Operator : JC/MD
 Sample : 03891-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

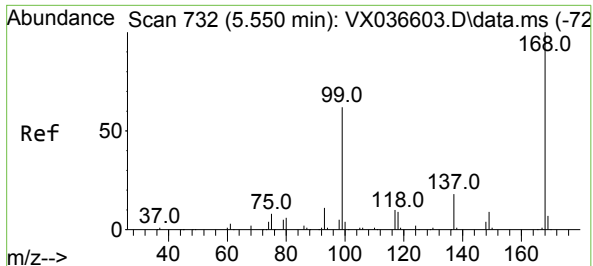
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Quant Time: Aug 08 01:39:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	138878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	255319	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	240501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	111705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	97407	47.402	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.800%		
35) Dibromofluoromethane	5.385	113	81922	46.681	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.360%		
50) Toluene-d8	8.647	98	307315	49.381	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.760%		
62) 4-Bromofluorobenzene	11.079	95	119150	50.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.500%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1644	3.379	ug/l #	78
13) Acrolein	2.233	56	104	0.375	ug/l #	1
16) Acetone	2.379	43	41042	48.131	ug/l	92
18) Methyl Acetate	2.709	43	2157	0.601	ug/l	97
20) Methylene Chloride	2.794	84	11997	6.326	ug/l	91
25) 2-Butanone	4.568	43	16551	11.963	ug/l	99
29) Tetrahydrofuran	5.044	42	691	0.775	ug/l #	59
31) Cyclohexane	5.550	56	3217	1.131	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	11497	4.395	ug/l #	51
37) Ethyl Acetate	4.720	43	4988	1.685	ug/l	100
38) Carbon Tetrachloride	5.550	117	14974	5.385	ug/l #	15
43) Isopropyl Acetate	6.342	43	116909	22.940	ug/l	95
48) Methyl methacrylate	7.799	41	85496	36.074	ug/l #	48
49) 1,4-Dioxane	7.799	88	173	3.613	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	132152	46.859	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	660	0.200	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	44304	12.726	ug/l #	53
57) 1,3-Dichloropropane	9.482	76	4732	1.417	ug/l #	42
59) 2-Hexanone	9.378	43	101614	48.548	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	62113	23.640	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	62113	53.582	ug/l #	5

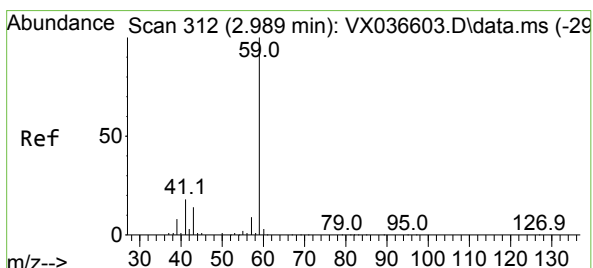
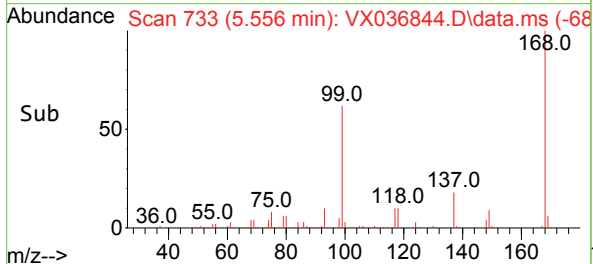
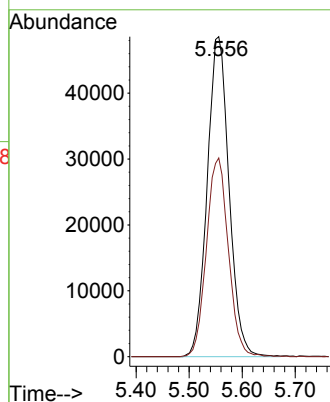
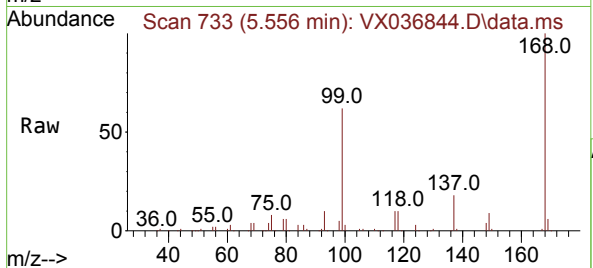
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

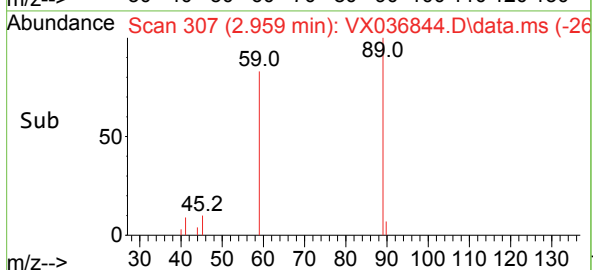
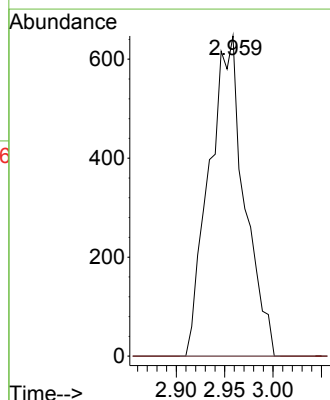
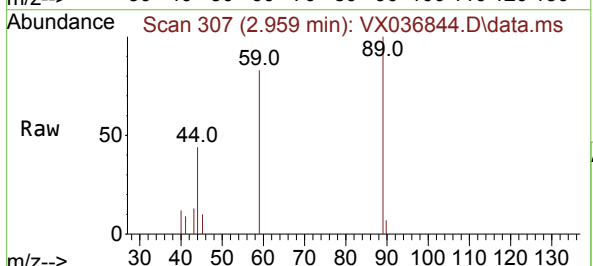
Instrument :
MSVOA_X
ClientSampleId :
TP-3

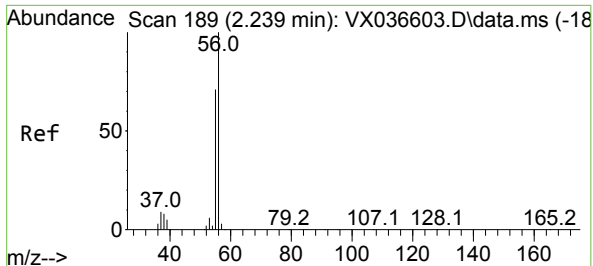
Tgt Ion:168 Resp: 138878
Ion Ratio Lower Upper
168 100
99 62.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.379 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.031 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion: 59 Resp: 1644
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

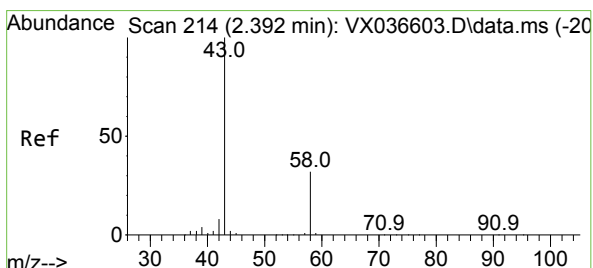
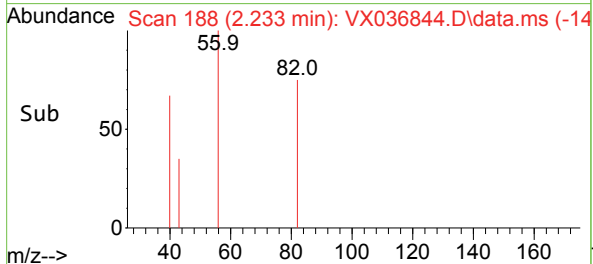
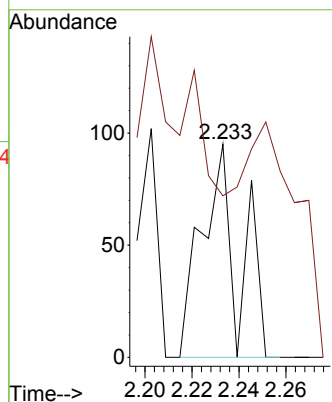
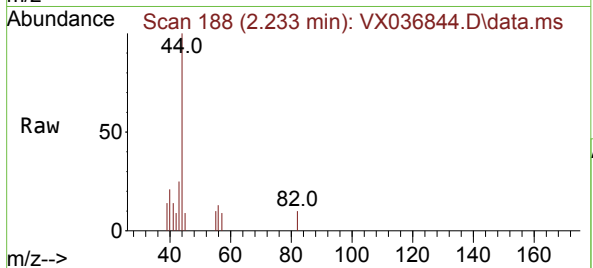




#13
Acrolein
Concen: 0.375 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

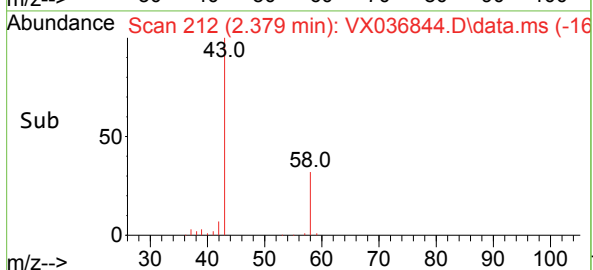
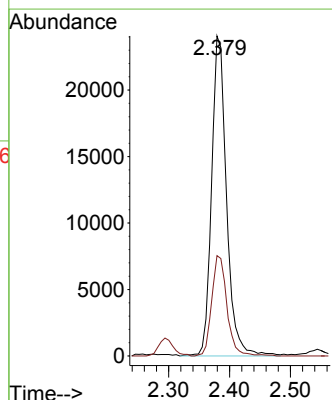
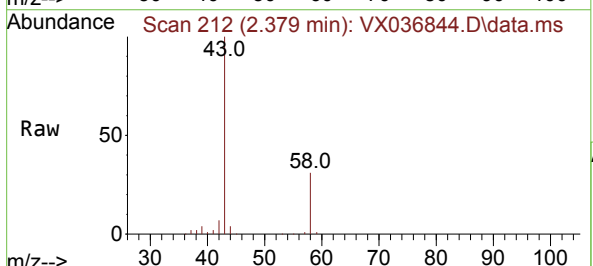
Instrument :
MSVOA_X
ClientSampleId :
TP-3

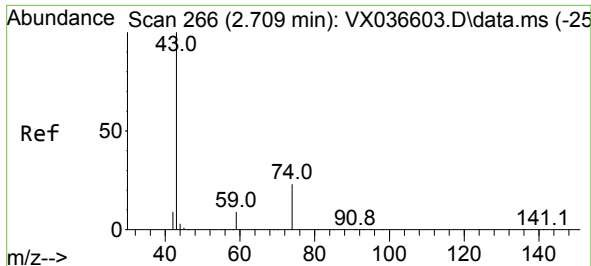
Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 174.0 57.1 85.7#



#16
Acetone
Concen: 48.131 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion: 43 Resp: 41042
Ion Ratio Lower Upper
43 100
58 31.3 21.9 32.9





#18

Methyl Acetate

Concen: 0.601 ug/l

RT: 2.709 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX036844.D

Acq: 07 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

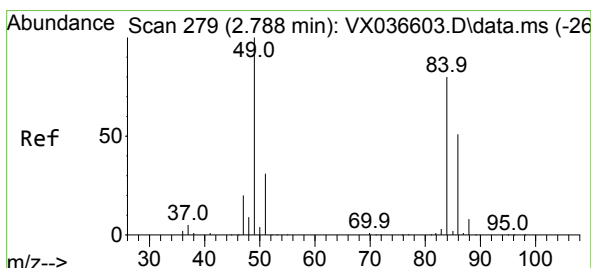
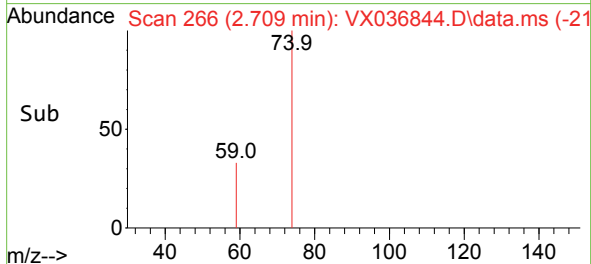
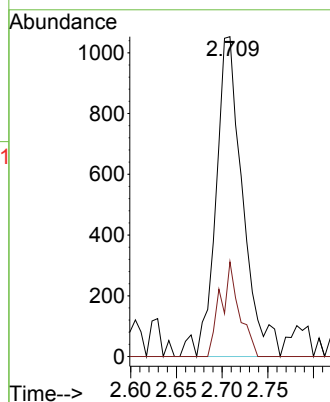
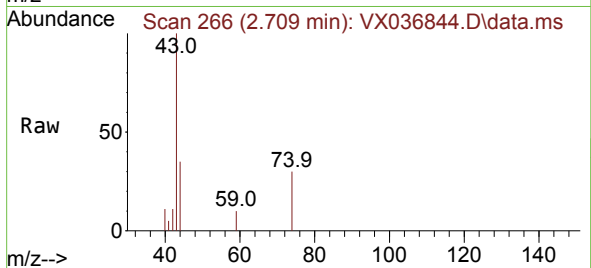
TP-3

Tgt Ion: 43 Resp: 2157

Ion Ratio Lower Upper

43 100

74 20.7 17.8 26.8



#20

Methylene Chloride

Concen: 6.326 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX036844.D

Acq: 07 Aug 2023 18:05

Tgt Ion: 84 Resp: 11997

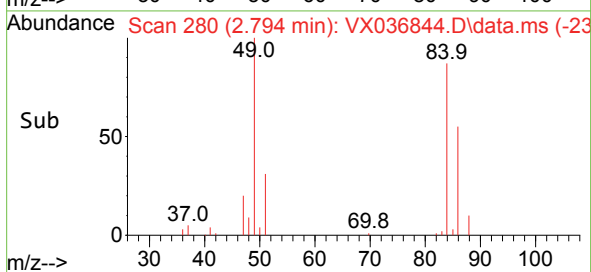
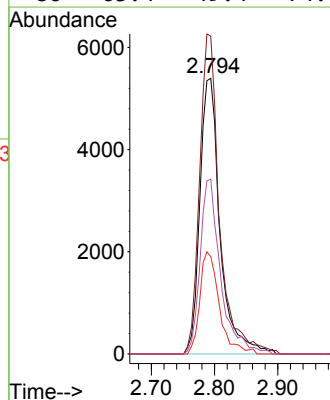
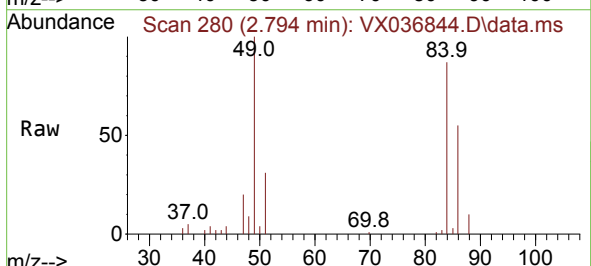
Ion Ratio Lower Upper

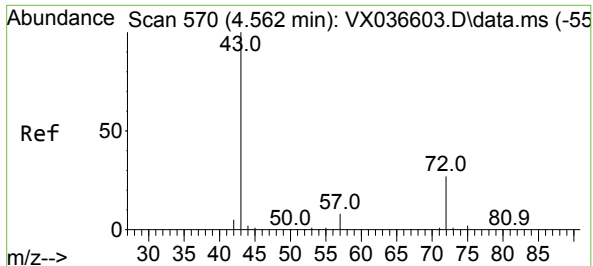
84 100

49 115.3 103.6 155.4

51 35.4 33.8 50.6

86 63.4 49.4 74.0

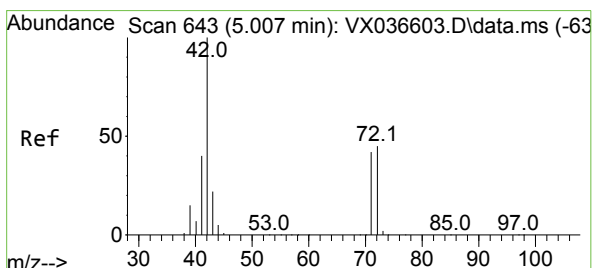
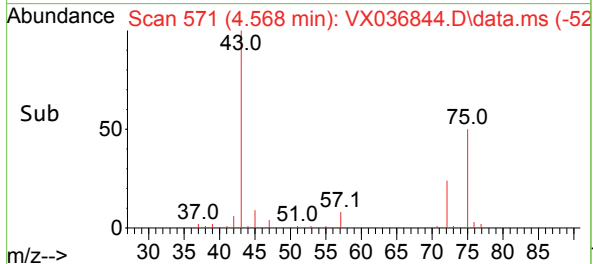
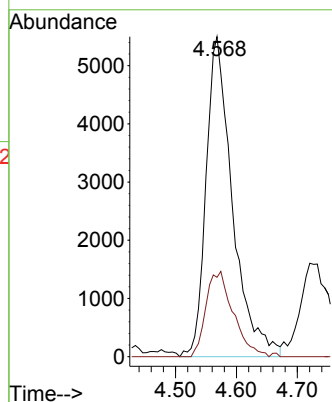
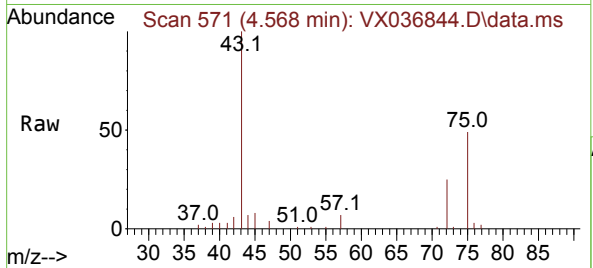




#25
2-Butanone
Concen: 11.963 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

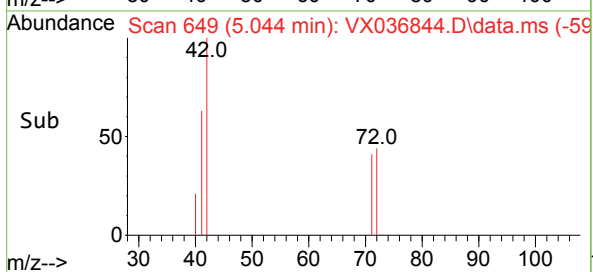
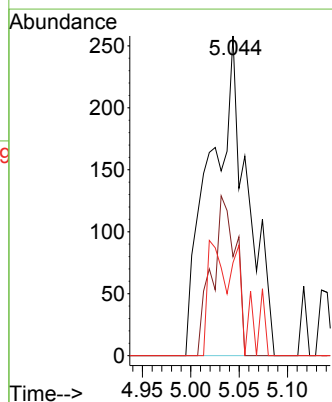
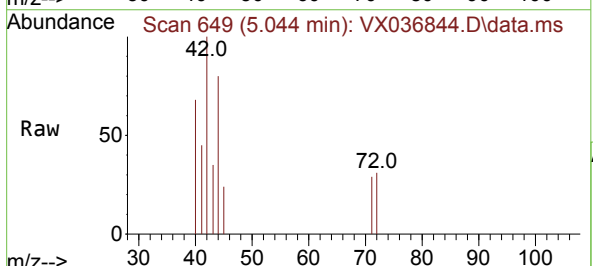
Instrument :
MSVOA_X
ClientSampleId :
TP-3

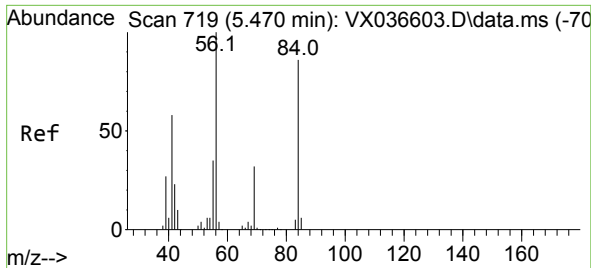
Tgt Ion: 43 Resp: 16551
Ion Ratio Lower Upper
43 100
72 24.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.775 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.036 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion: 42 Resp: 691
Ion Ratio Lower Upper
42 100
72 31.5 34.2 51.4#
71 0.0 32.2 48.2#

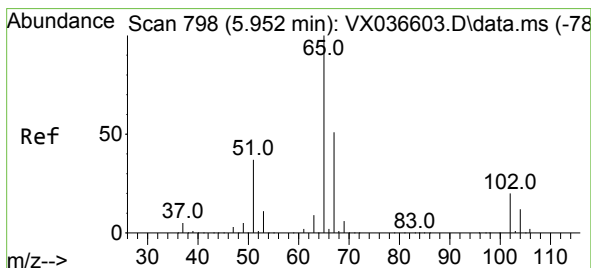
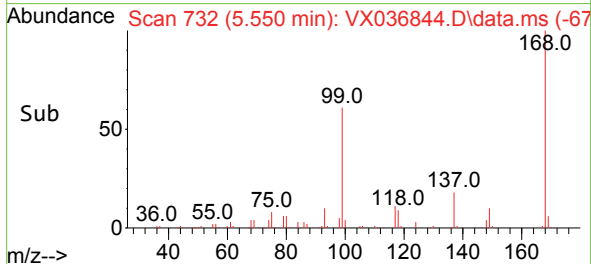
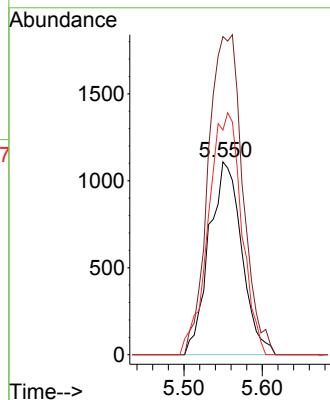
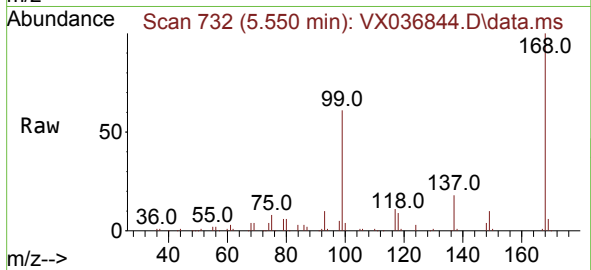




#31
Cyclohexane
Concen: 1.131 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

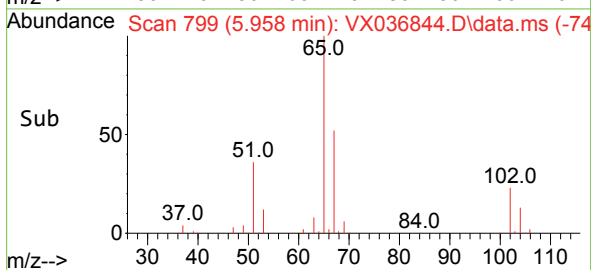
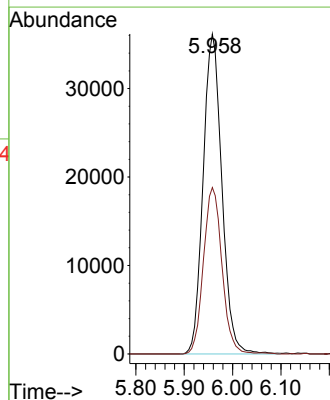
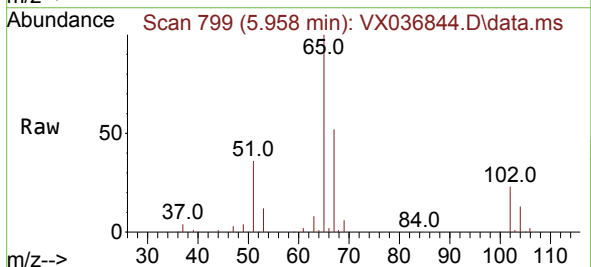
Instrument :
MSVOA_X
ClientSampleId :
TP-3

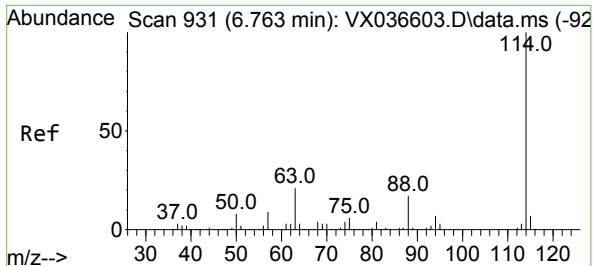
Tgt Ion: 56 Resp: 3217
Ion Ratio Lower Upper
56 100
69 164.9 23.4 35.2#
84 116.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.402 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion: 65 Resp: 97407
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

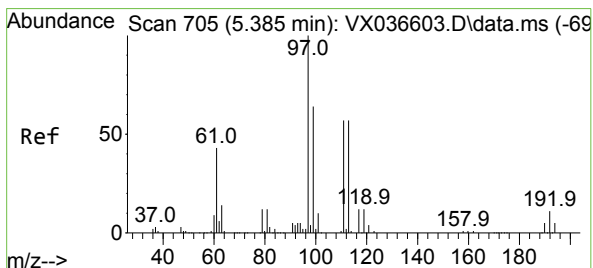
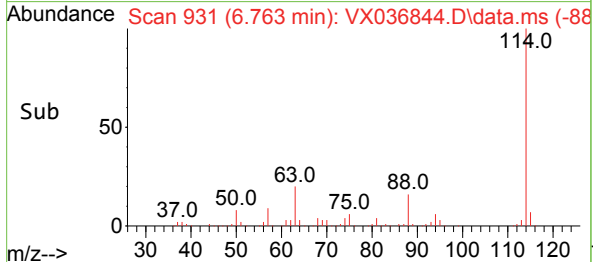
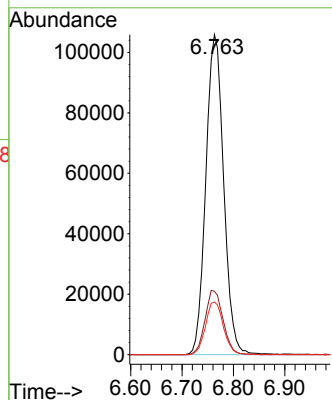
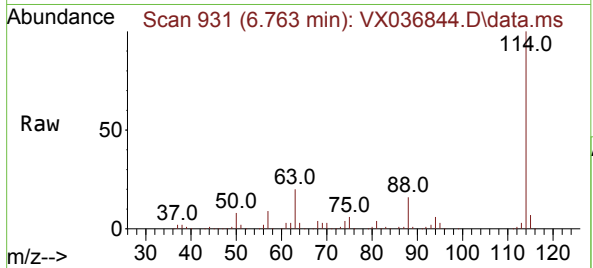




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

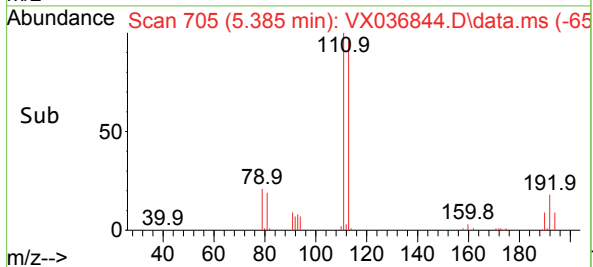
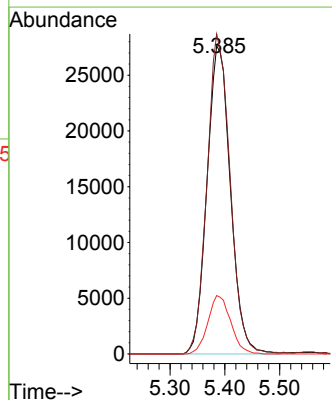
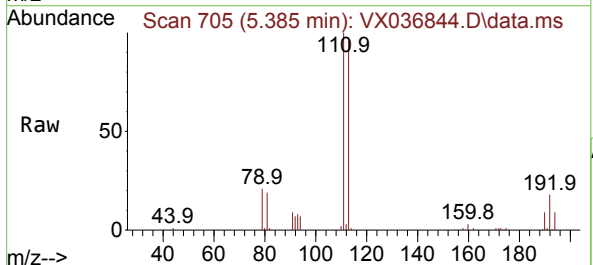
Instrument :
MSVOA_X
ClientSampleId :
TP-3

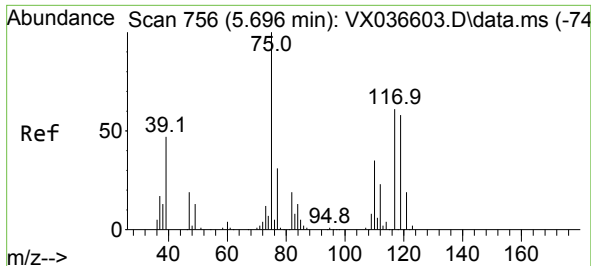
Tgt Ion:114 Resp: 255319
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 16.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.681 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion:113 Resp: 81922
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.5 13.3 19.9

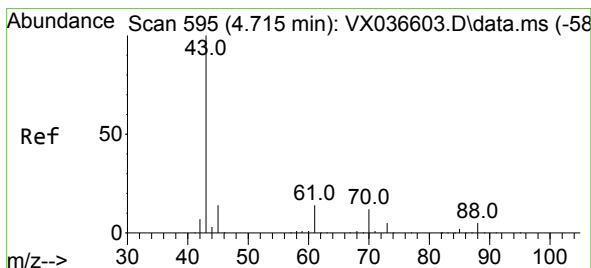
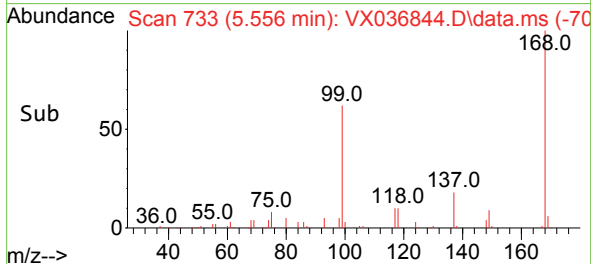
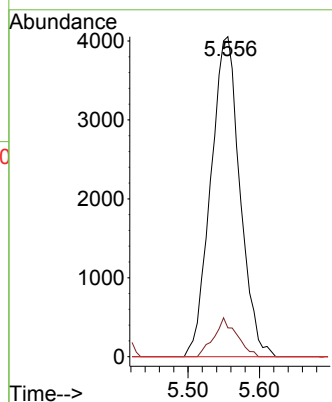
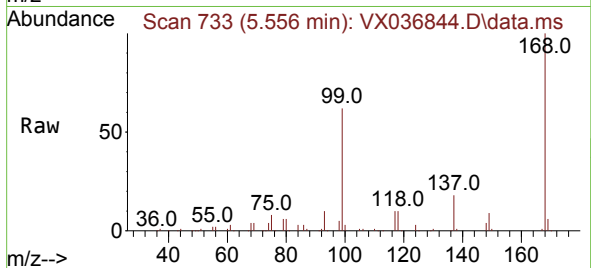




#36
1,1-Dichloropropene
Concen: 4.395 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

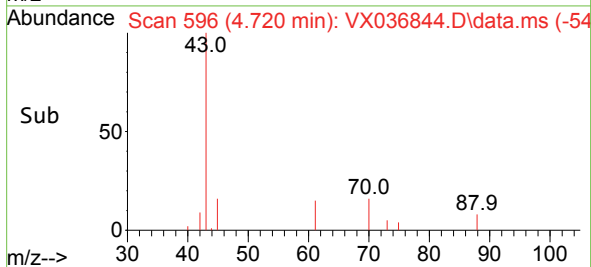
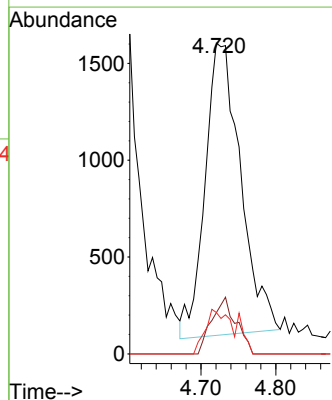
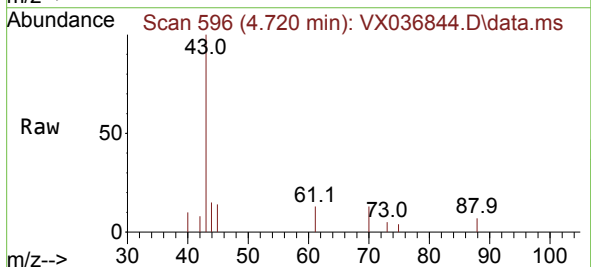
Instrument :
MSVOA_X
ClientSampleId :
TP-3

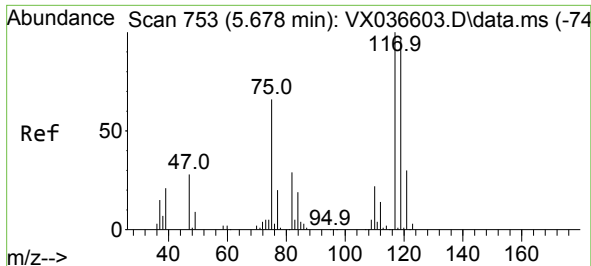
Tgt Ion: 75 Resp: 11497
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.685 ug/l
RT: 4.720 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

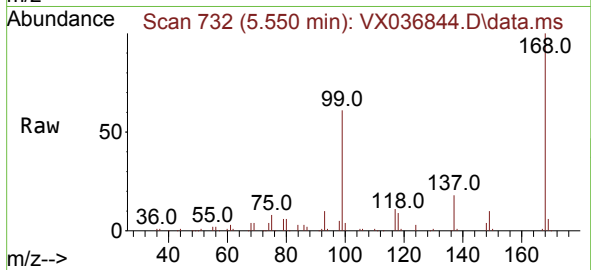
Tgt Ion: 43 Resp: 4988
Ion Ratio Lower Upper
43 100
61 13.3 10.6 16.0
70 10.2 8.3 12.5



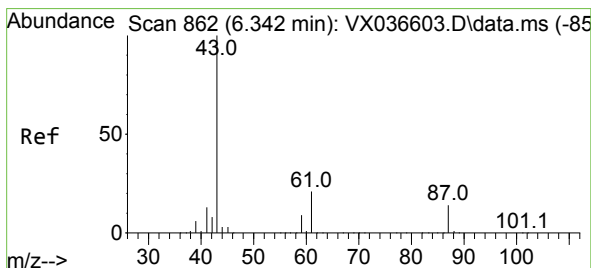
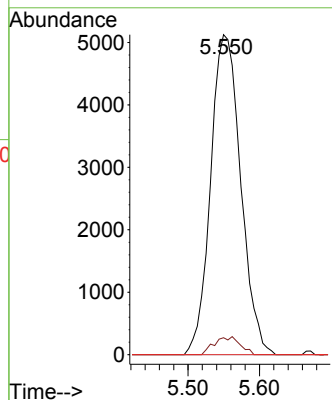
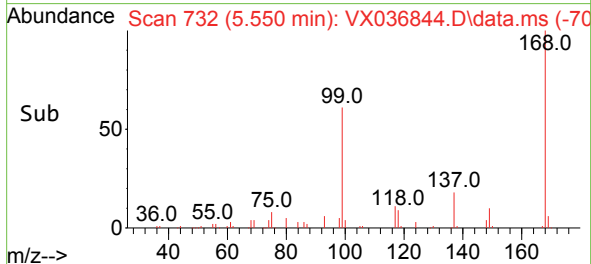


#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Instrument :
MSVOA_X
ClientSampleId :
TP-3

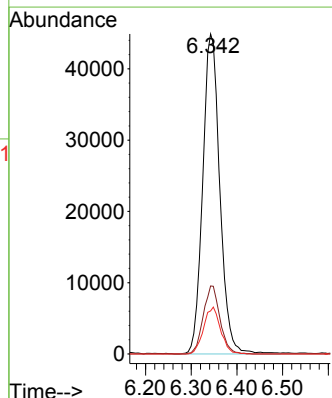
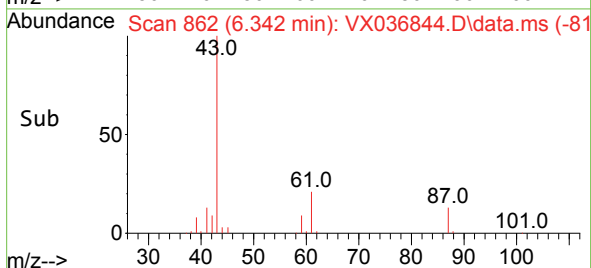
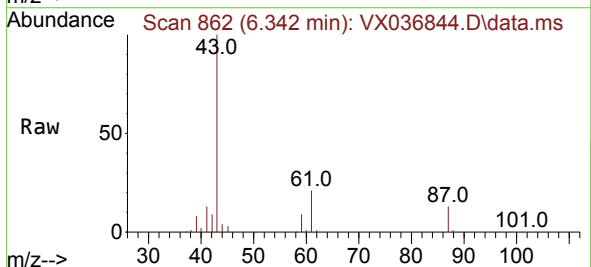


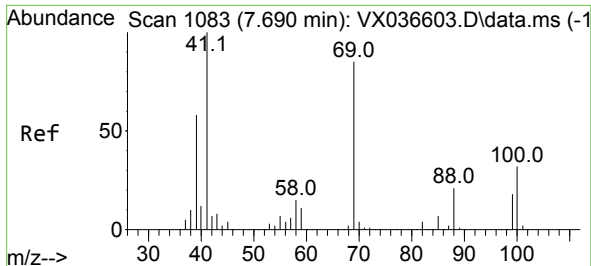
Tgt Ion:117 Resp: 14974
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 22.940 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion: 43 Resp: 116909
Ion Ratio Lower Upper
43 100
61 20.7 15.2 22.8
87 14.5 9.8 14.6





#48

Methyl methacrylate

Concen: 36.074 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036844.D

Acq: 07 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

TP-3

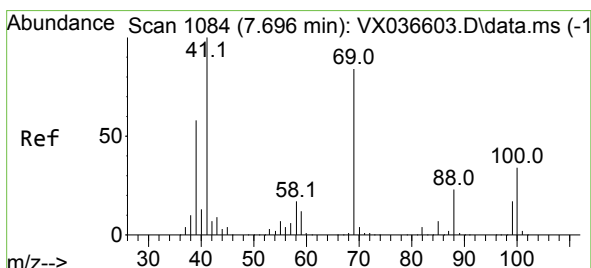
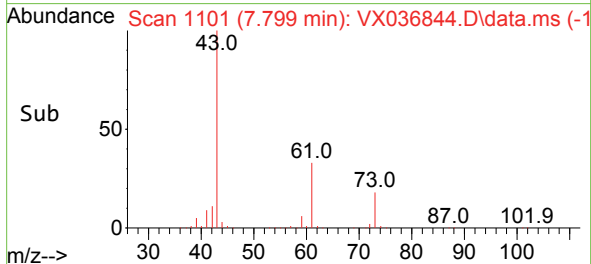
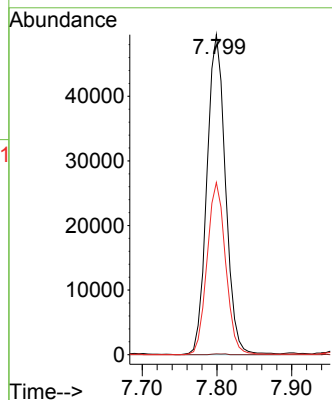
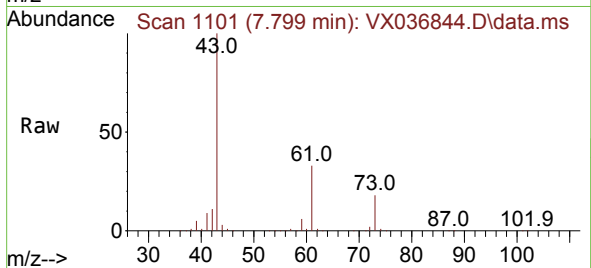
Tgt Ion: 41 Resp: 85496

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 53.7 47.7 71.5



#49

1,4-Dioxane

Concen: 3.613 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX036844.D

Acq: 07 Aug 2023 18:05

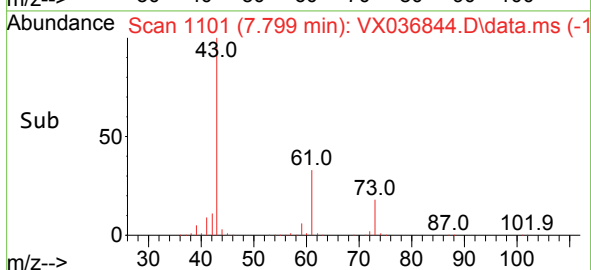
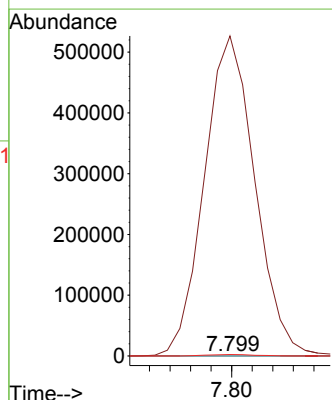
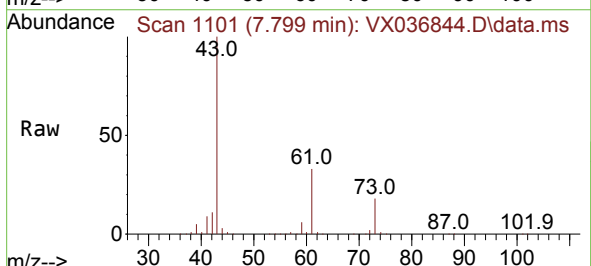
Tgt Ion: 88 Resp: 173

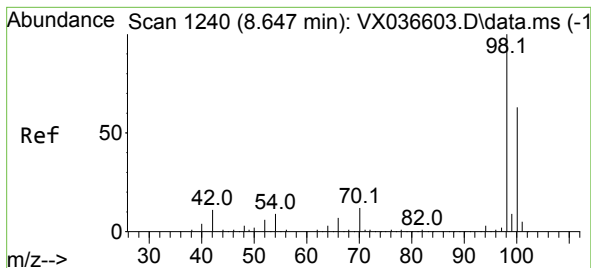
Ion Ratio Lower Upper

88 100

43 524982.7 0.0 0.0#

58 2240.5 60.1 90.1#





#50

Toluene-d8

Concen: 49.381 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX036844.D

Acq: 07 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

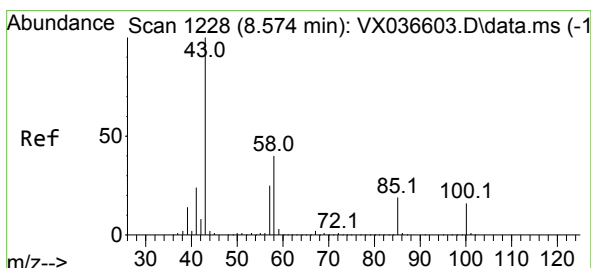
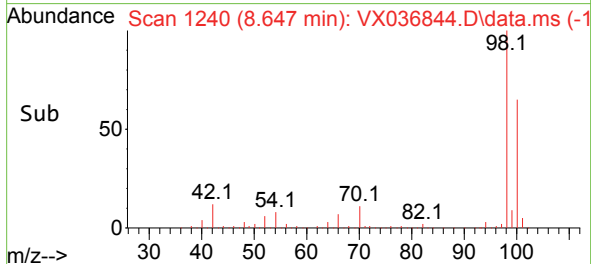
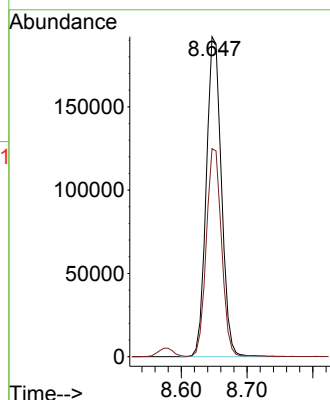
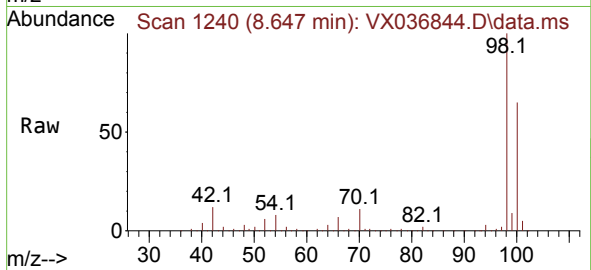
TP-3

Tgt Ion: 98 Resp: 307315

Ion Ratio Lower Upper

98 100

100 65.6 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 46.859 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX036844.D

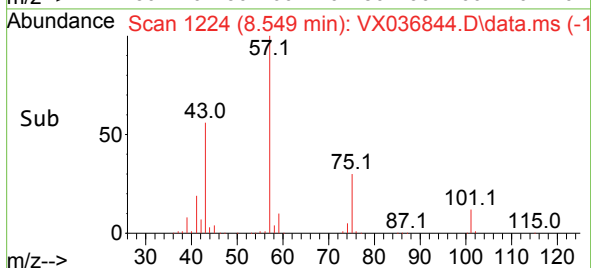
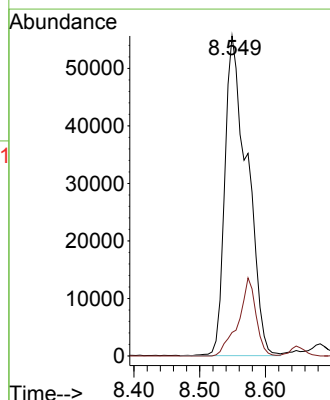
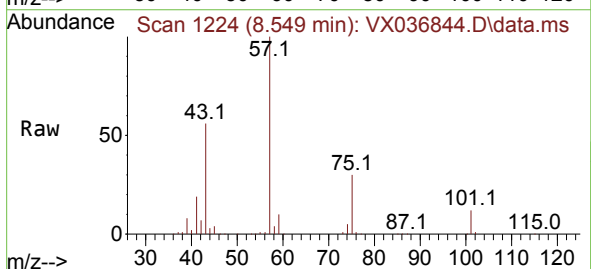
Acq: 07 Aug 2023 18:05

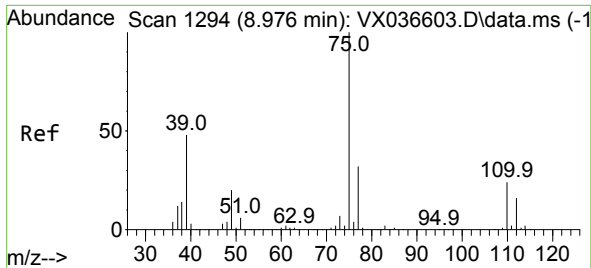
Tgt Ion: 43 Resp: 132152

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

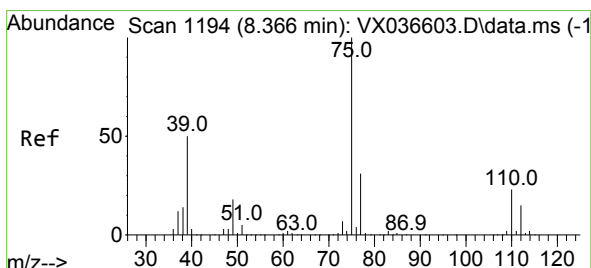
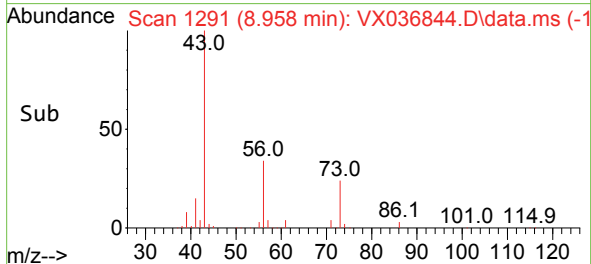
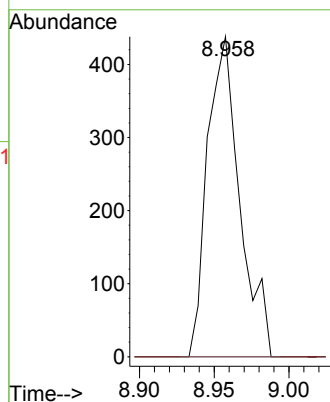
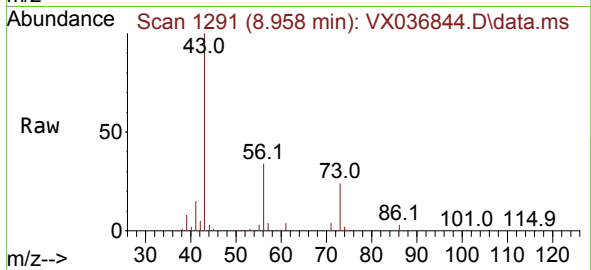




#53
 t-1,3-Dichloropropene
 Concen: 0.200 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VX036844.D
 Acq: 07 Aug 2023 18:05

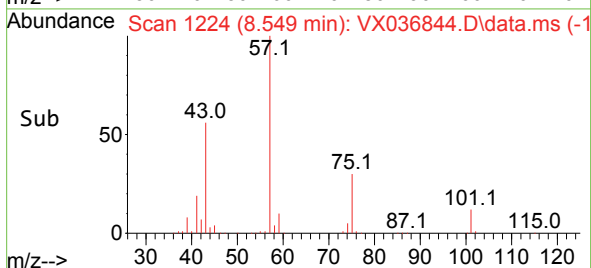
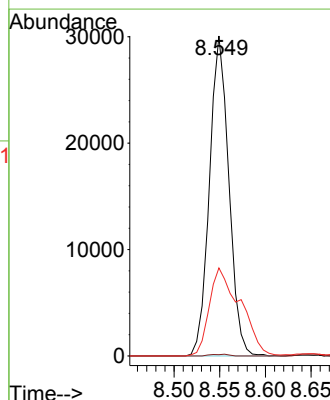
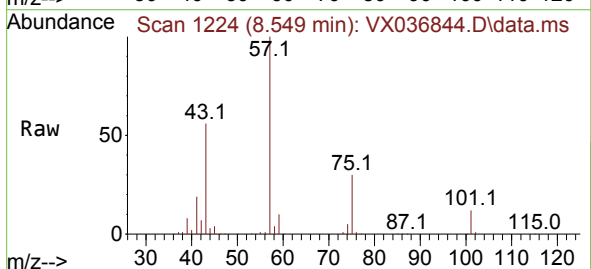
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

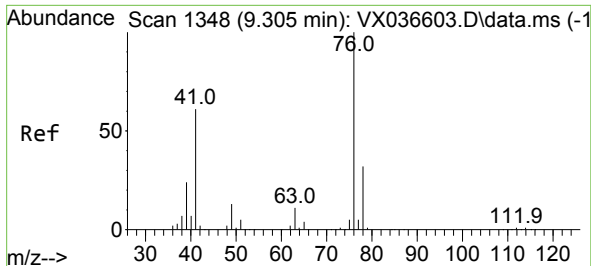
Tgt Ion: 75 Resp: 660
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 12.726 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036844.D
 Acq: 07 Aug 2023 18:05

Tgt Ion: 75 Resp: 44304
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 27.5 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.417 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX036844.D

Acq: 07 Aug 2023 18:05

Instrument :

MSVOA_X

ClientSampleId :

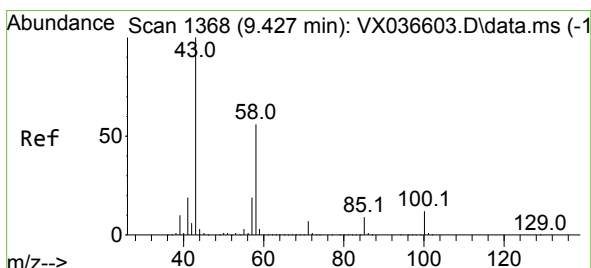
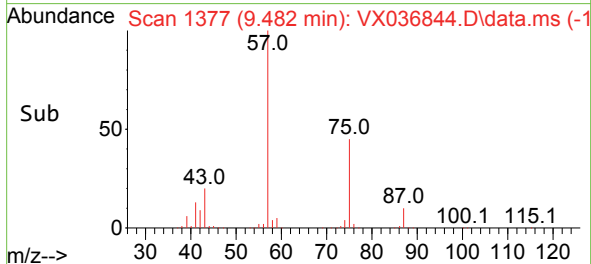
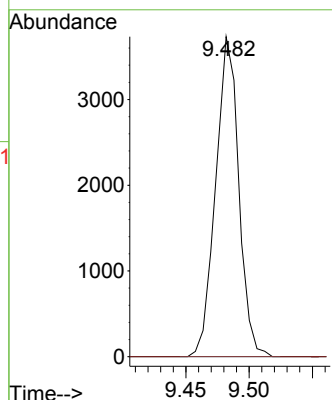
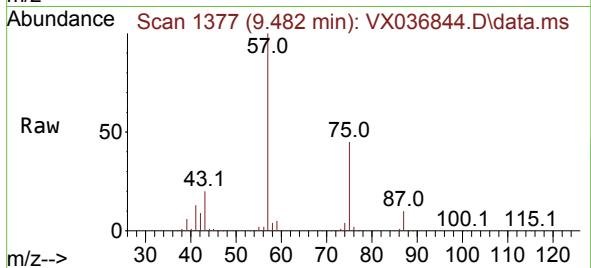
TP-3

Tgt Ion: 76 Resp: 4732

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 48.548 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036844.D

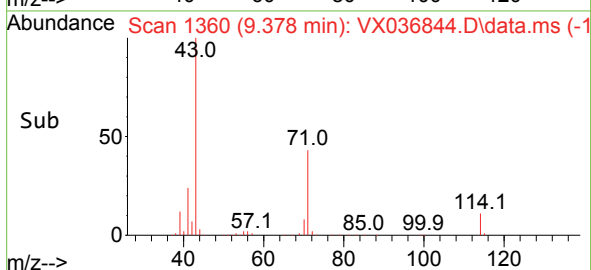
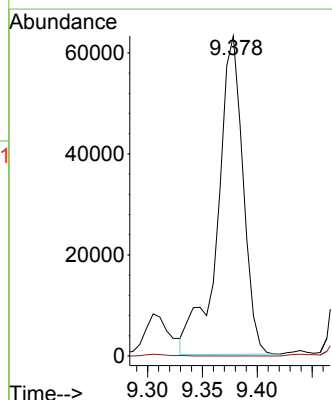
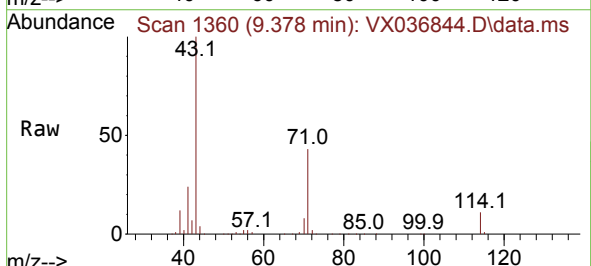
Acq: 07 Aug 2023 18:05

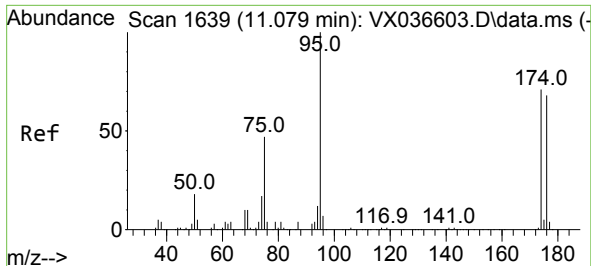
Tgt Ion: 43 Resp: 101614

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

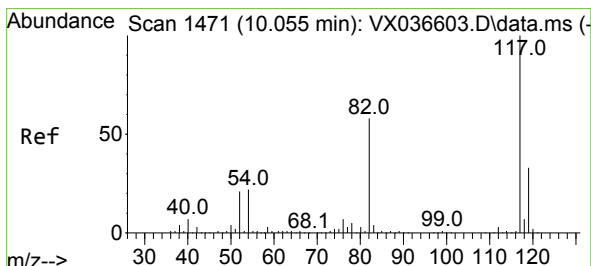
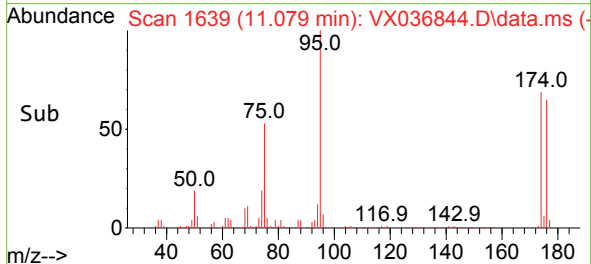
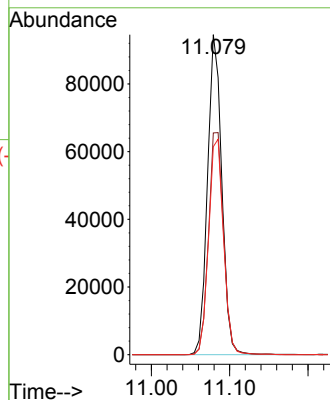
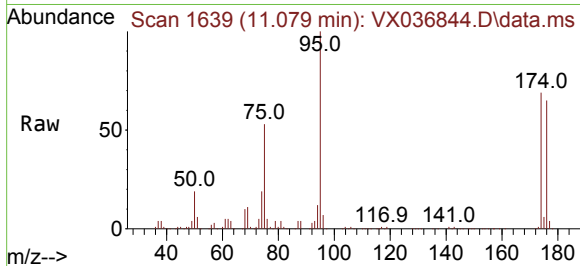




#62
4-Bromofluorobenzene
Concen: 50.746 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

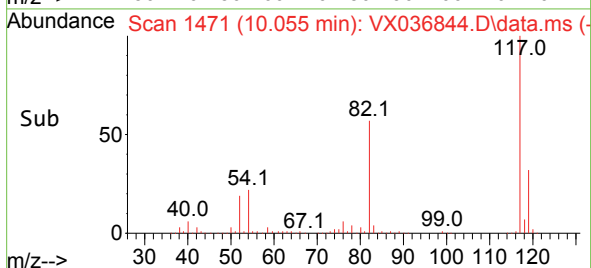
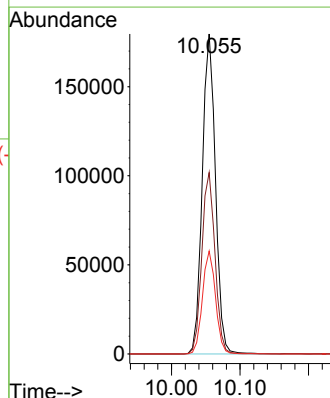
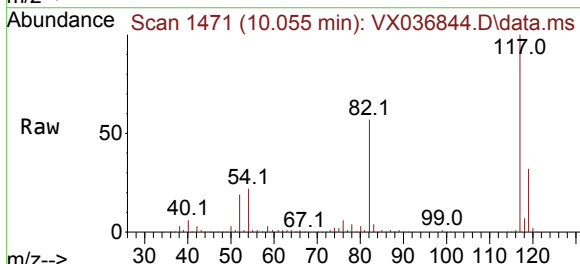
Instrument :
MSVOA_X
ClientSampleId :
TP-3

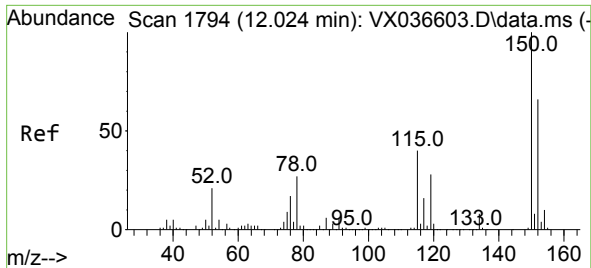
Tgt Ion: 95 Resp: 119150
Ion Ratio Lower Upper
95 100
174 73.5 0.0 135.6
176 70.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion: 117 Resp: 240501
Ion Ratio Lower Upper
117 100
82 56.7 46.2 69.4
119 32.1 25.5 38.3

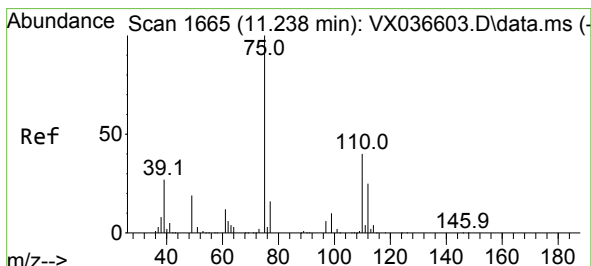
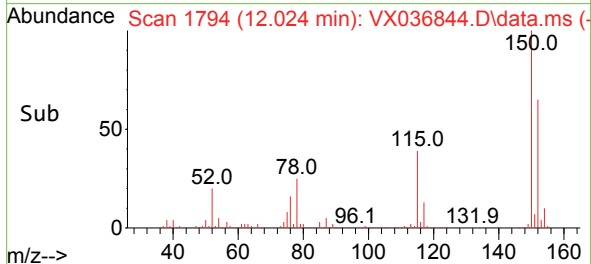
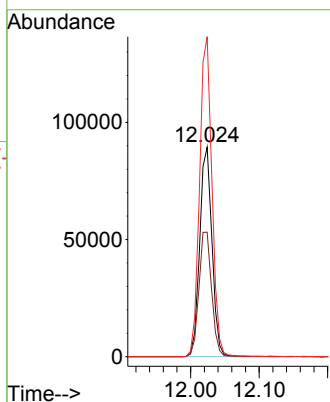
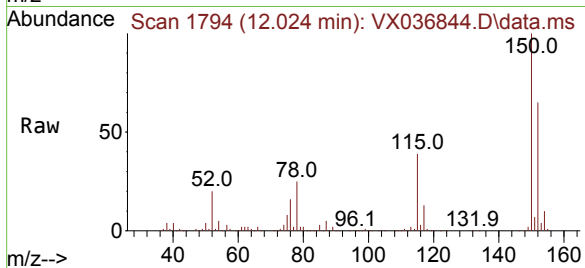




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

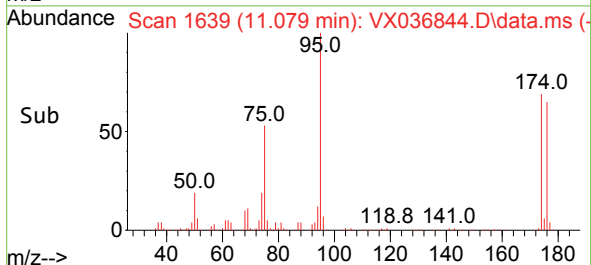
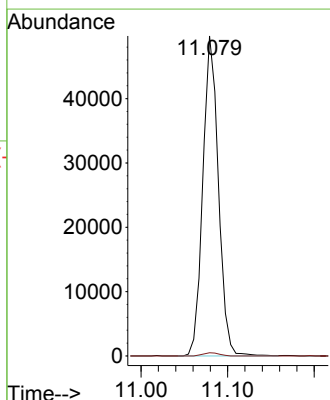
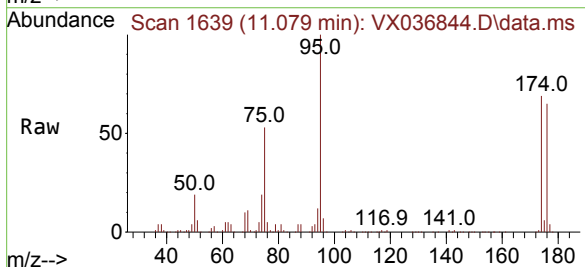
Instrument :
MSVOA_X
ClientSampleId :
TP-3

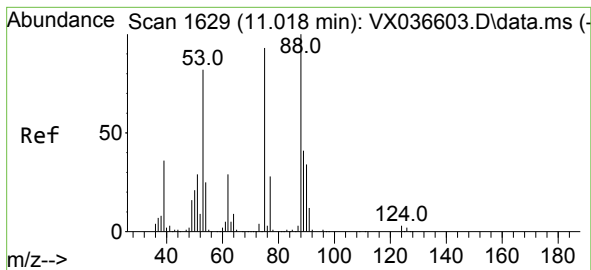
Tgt Ion:152 Resp: 111705
Ion Ratio Lower Upper
152 100
115 61.6 43.3 129.9
150 153.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 23.640 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036844.D
Acq: 07 Aug 2023 18:05

Tgt Ion: 75 Resp: 62113
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.582 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX036844.D
 Acq: 07 Aug 2023 18:05

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-3

Tgt Ion: 75 Resp: 62113
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

