

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080723\
 Data File : VX036842.D
 Acq On : 07 Aug 2023 17:17
 Operator : JC/MD
 Sample : 03891-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

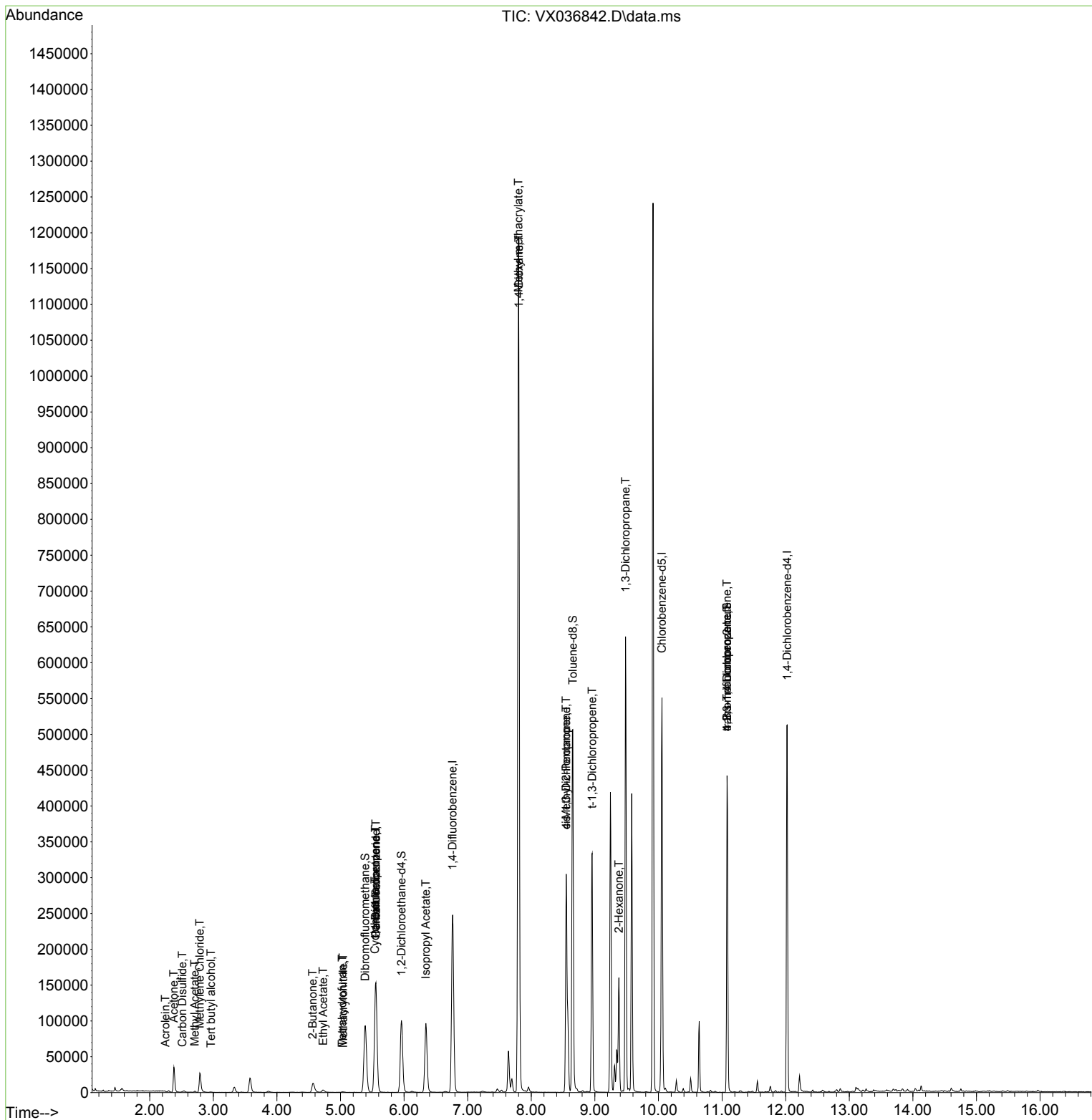
Quant Time: Aug 08 01:38:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

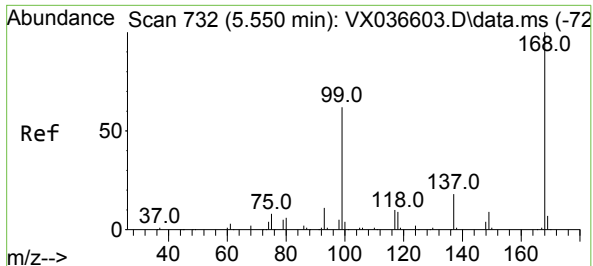
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	141187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	238979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	109496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99420	47.591	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.180%		
35) Dibromofluoromethane	5.385	113	83804	47.149	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.300%		
50) Toluene-d8	8.653	98	308575	48.955	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.920%		
62) 4-Bromofluorobenzene	11.079	95	118763	49.940	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.880%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	549	1.110	ug/l #	78
13) Acrolein	2.245	56	219	0.776	ug/l	83
16) Acetone	2.380	43	36680	42.312	ug/l #	88
17) Carbon Disulfide	2.514	76	1017	0.233	ug/l #	76
18) Methyl Acetate	2.709	43	1790	0.491	ug/l	92
20) Methylene Chloride	2.788	84	13796	7.156	ug/l #	94
25) 2-Butanone	4.562	43	17628	12.534	ug/l	91
29) Tetrahydrofuran	5.025	42	759	0.837	ug/l #	60
31) Cyclohexane	5.544	56	3187	1.102	ug/l #	10
36) 1,1-Dichloropropene	5.550	75	11632	4.391	ug/l #	51
37) Ethyl Acetate	4.727	43	7028	2.344	ug/l	98
38) Carbon Tetrachloride	5.556	117	15212	5.401	ug/l #	15
41) Methacrylonitrile	5.044	41	451	0.281	ug/l #	36
43) Isopropyl Acetate	6.342	43	131443	25.465	ug/l #	94
48) Methyl methacrylate	7.799	41	100893	42.031	ug/l #	48
49) 1,4-Dioxane	7.805	88	194	4.001	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	147289	51.564	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	873	0.261	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	50034	14.190	ug/l #	54
57) 1,3-Dichloropropane	9.482	76	5680	1.680	ug/l #	42
59) 2-Hexanone	9.378	43	114344	53.938	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	60876	23.637	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	60876	53.574	ug/l #	5

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

Quant Time: Aug 08 01:38:52 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

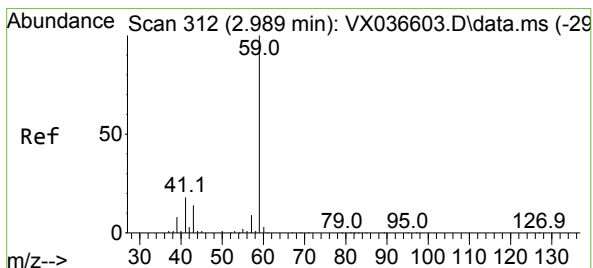
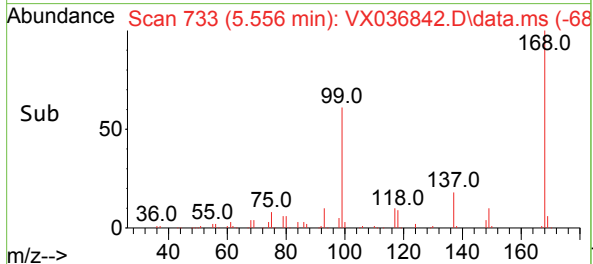
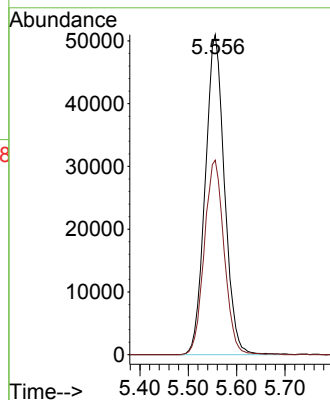
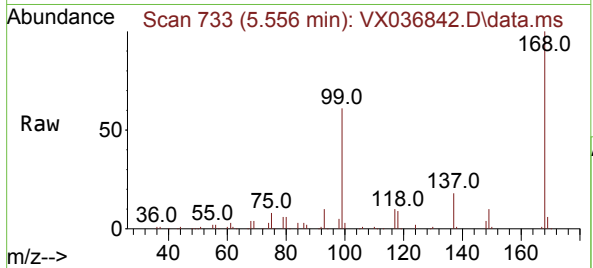




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

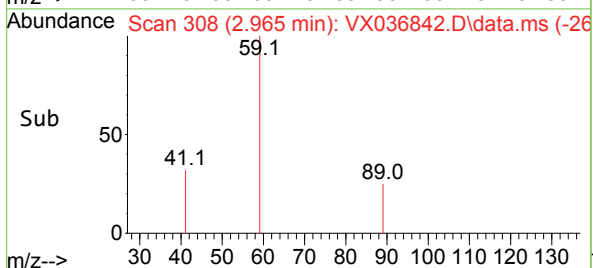
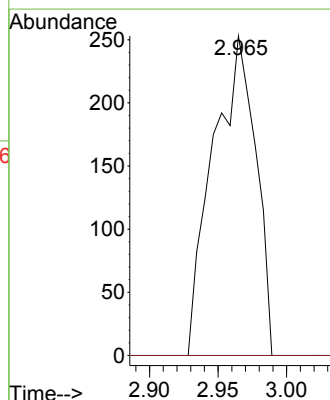
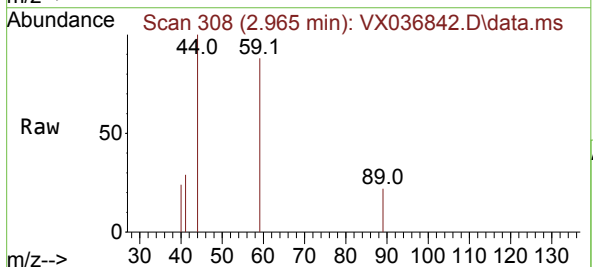
Instrument :
MSVOA_X
ClientSampleId :
TP-1

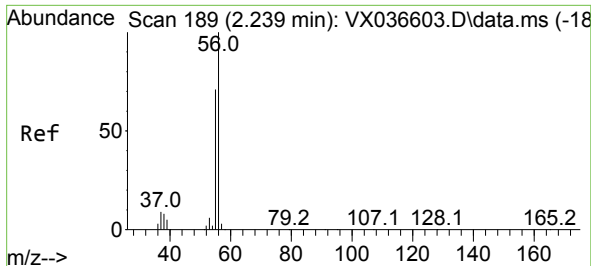
Tgt Ion:168 Resp: 141187
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.110 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.024 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion: 59 Resp: 549
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

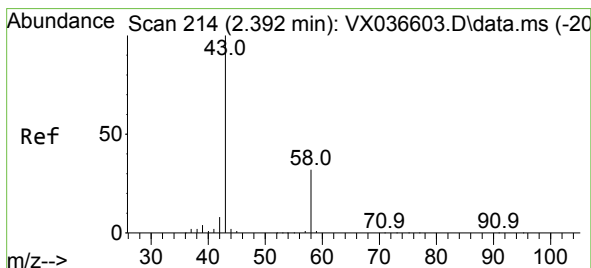
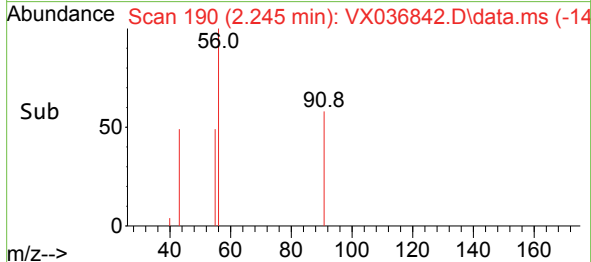
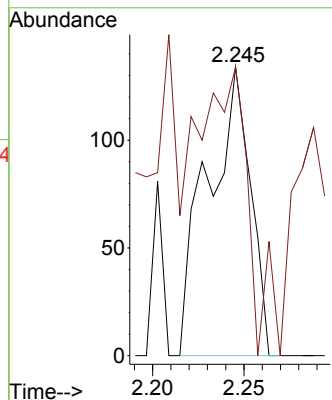
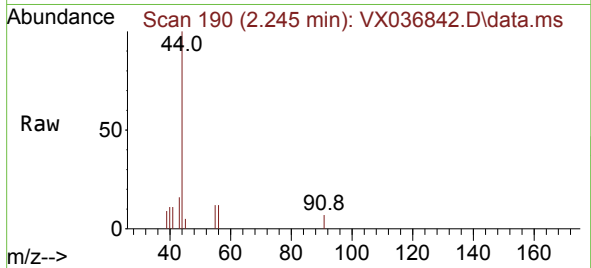




#13
Acrolein
Concen: 0.776 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

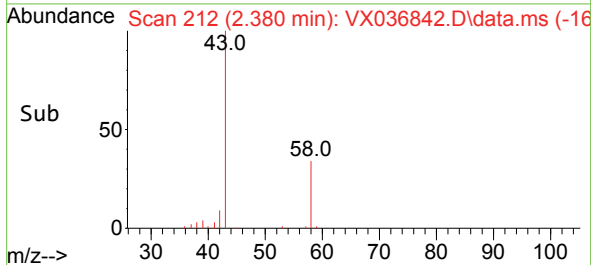
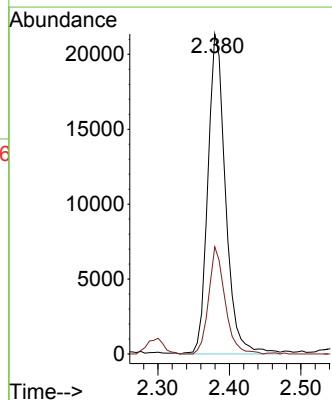
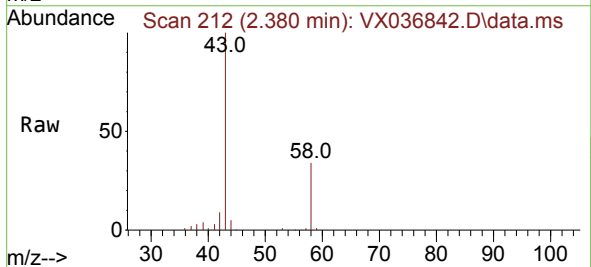
Instrument :
MSVOA_X
ClientSampleId :
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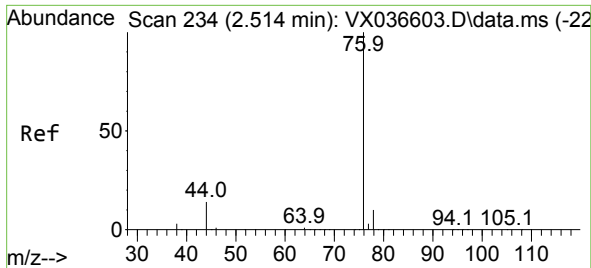
Tgt Ion: 56 Resp: 219
Ion Ratio Lower Upper
56 100
55 85.4 57.1 85.7



#16
Acetone
Concen: 42.312 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion: 43 Resp: 36680
Ion Ratio Lower Upper
43 100
58 33.5 21.9 32.9#

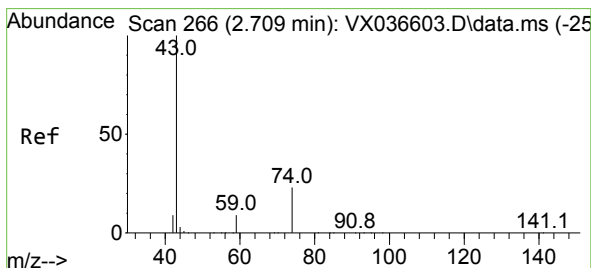
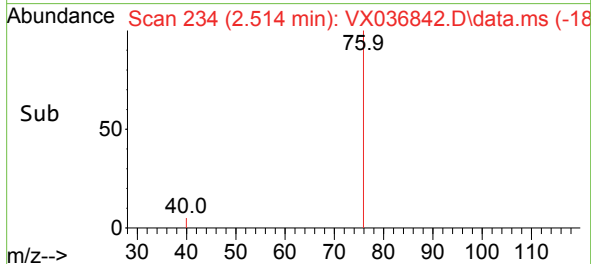
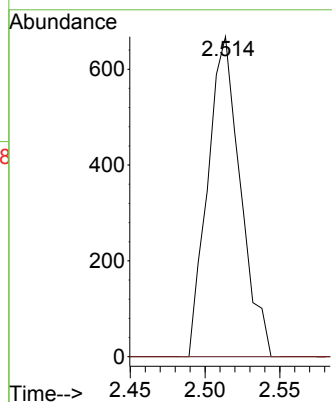
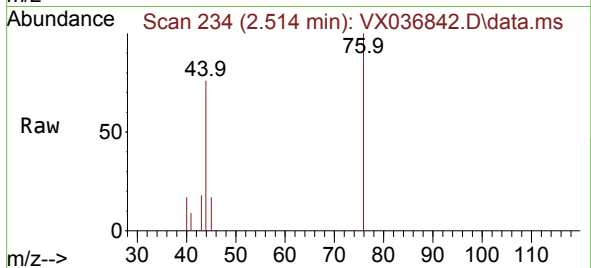




#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 2.514 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

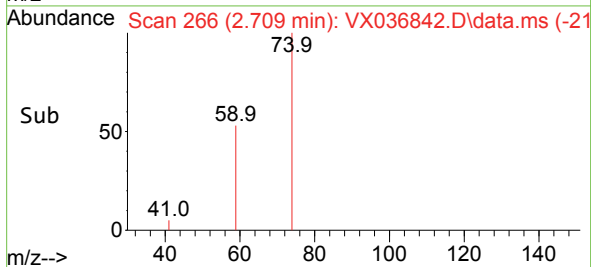
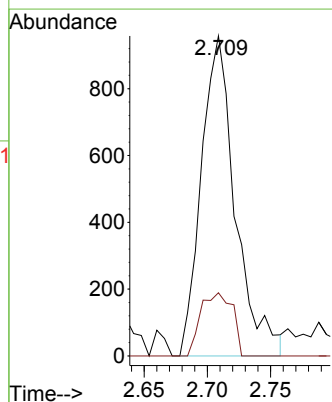
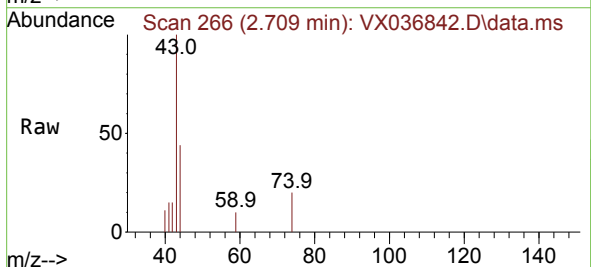
Instrument :
MSVOA_X
ClientSampleId :
TP-1

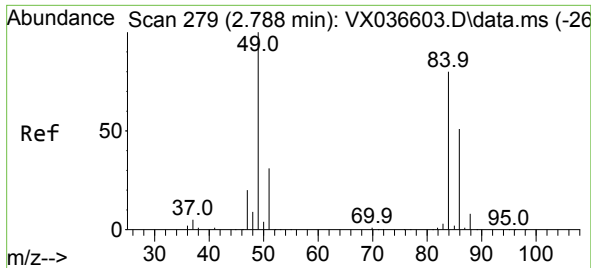
Tgt Ion: 76 Resp: 1017
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.491 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
74 18.4 17.8 26.8

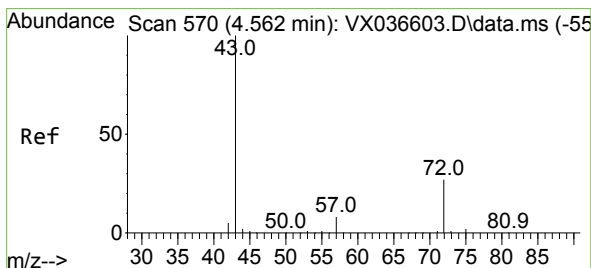
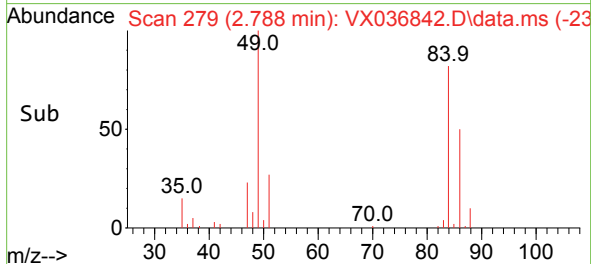
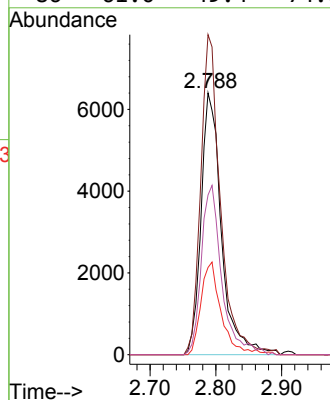
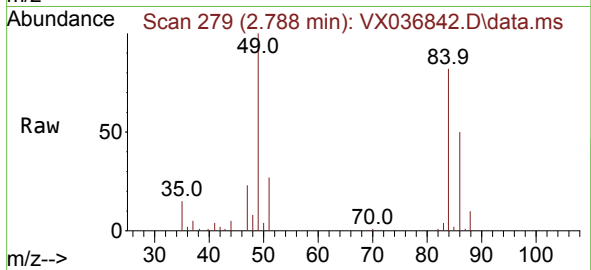




#20
Methylene Chloride
Concen: 7.156 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

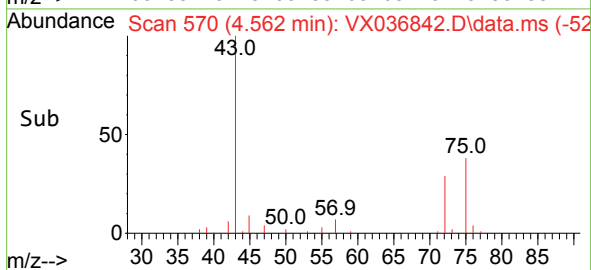
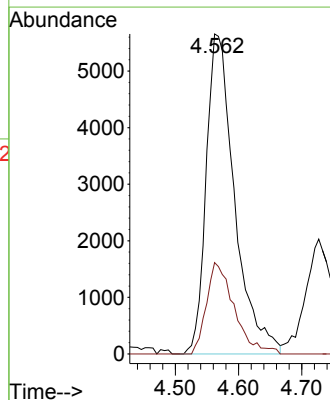
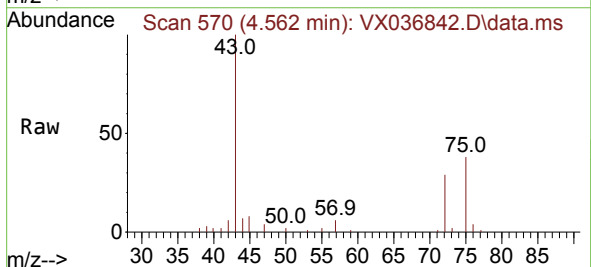
Instrument :
MSVOA_X
ClientSampleId :
TP-1

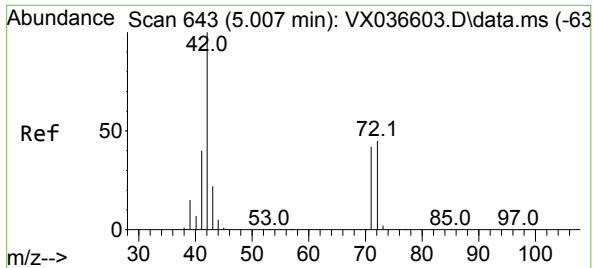
Tgt Ion:	84	Resp:	13796
Ion	Ratio	Lower	Upper
84	100		
49	122.2	103.6	155.4
51	33.3	33.8	50.6#
86	61.0	49.4	74.0



#25
2-Butanone
Concen: 12.534 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion:	43	Resp:	17628
Ion	Ratio	Lower	Upper
43	100		
72	28.5	19.4	29.2





#29

Tetrahydrofuran

Concen: 0.837 ug/l

RT: 5.025 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX036842.D

Acq: 07 Aug 2023 17:17

Instrument :

MSVOA_X

ClientSampleId :

TP-1

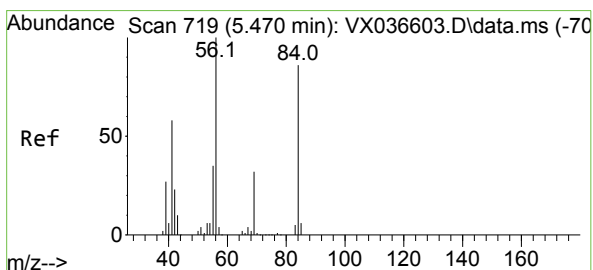
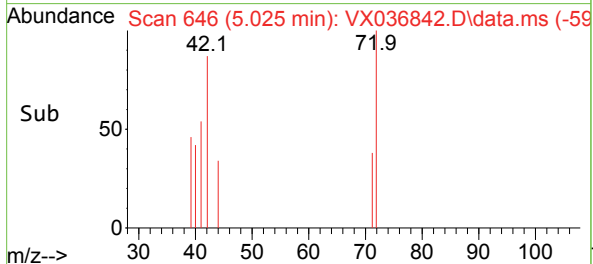
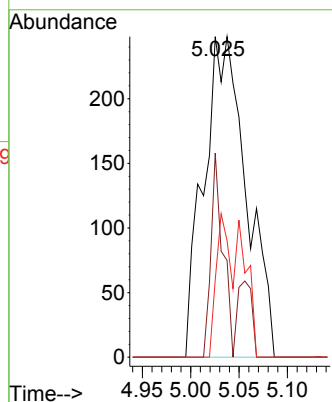
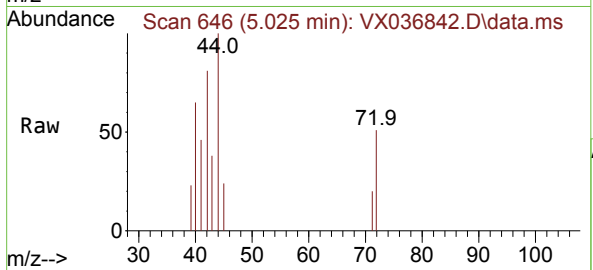
Tgt Ion: 42 Resp: 759

Ion Ratio Lower Upper

42 100

72 17.9 34.2 51.4#

71 15.2 32.2 48.2#



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX036842.D

Acq: 07 Aug 2023 17:17

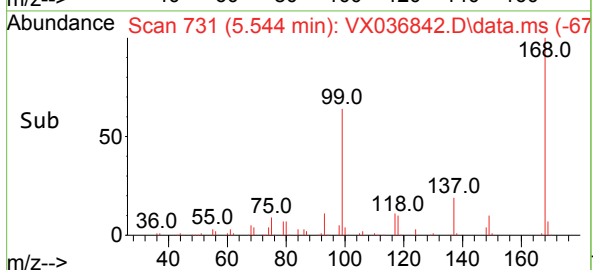
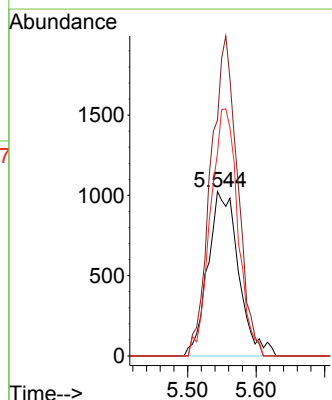
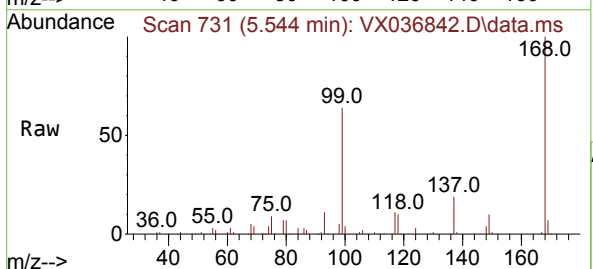
Tgt Ion: 56 Resp: 3187

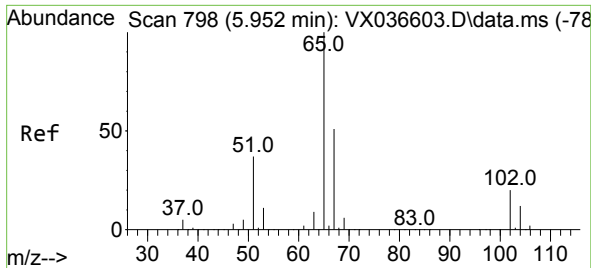
Ion Ratio Lower Upper

56 100

69 143.5 23.4 35.2#

84 123.5 65.9 98.9#

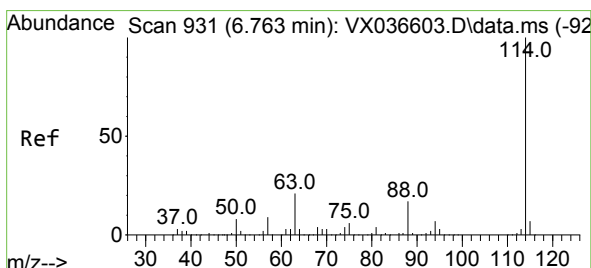
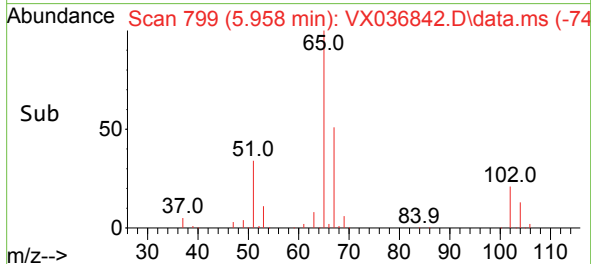
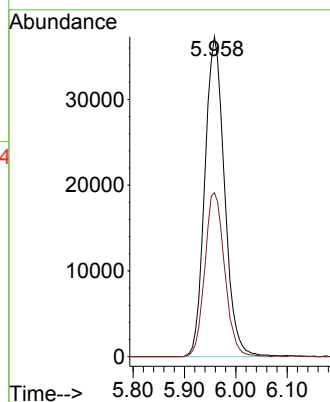
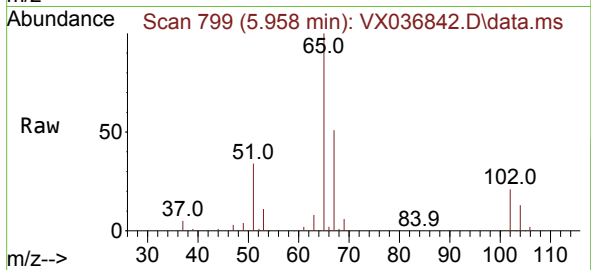




#33
 1,2-Dichloroethane-d4
 Concen: 47.591 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX036842.D
 Acq: 07 Aug 2023 17:17

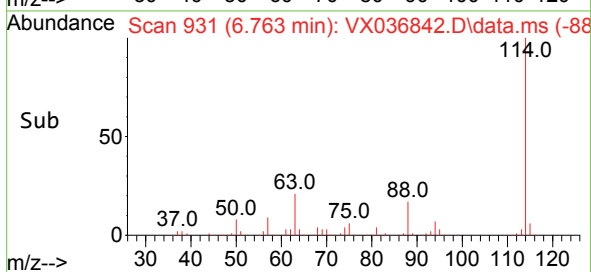
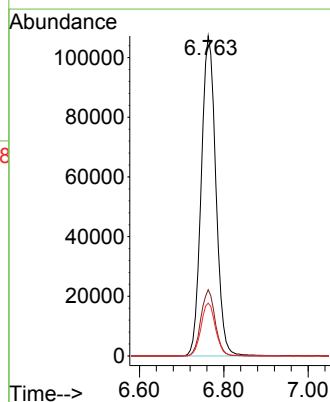
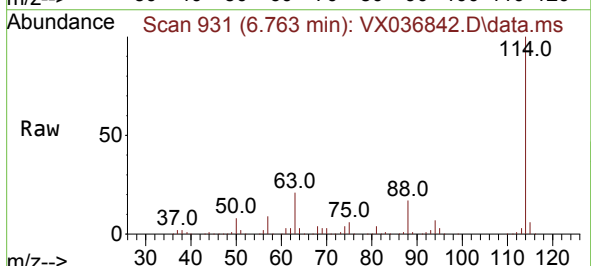
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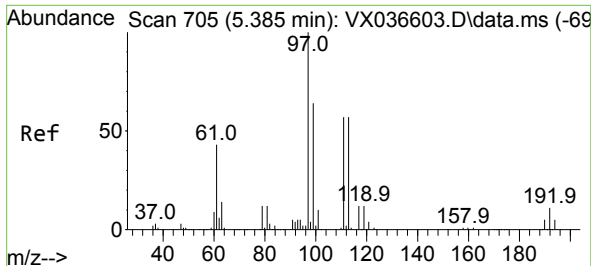
Tgt Ion: 65 Resp: 99420
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036842.D
 Acq: 07 Aug 2023 17:17

Tgt Ion: 114 Resp: 258596
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.0
 88 16.5 0.0 36.6

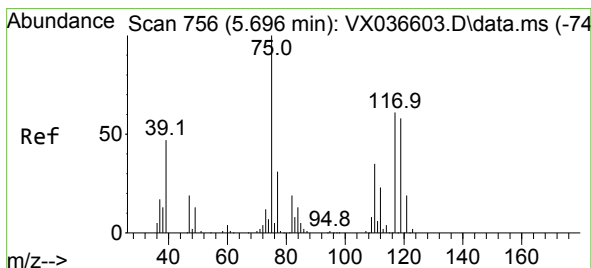
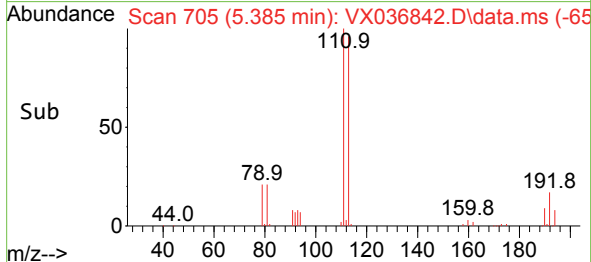
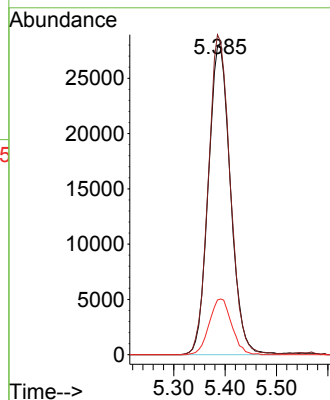
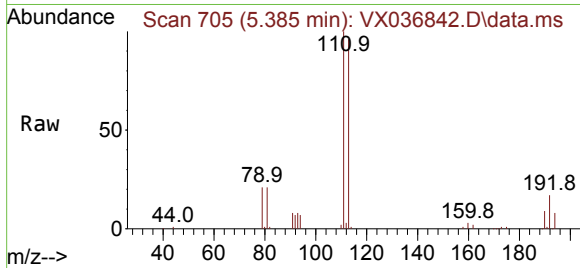




#35
Dibromofluoromethane
Concen: 47.149 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

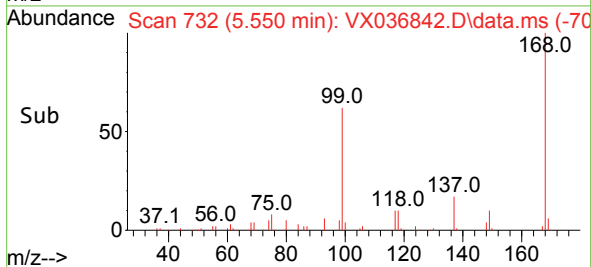
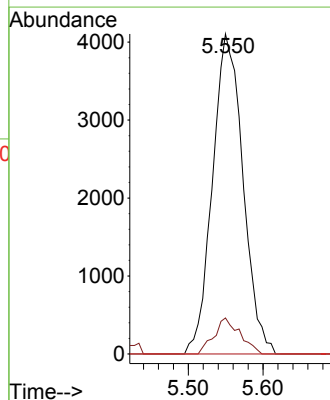
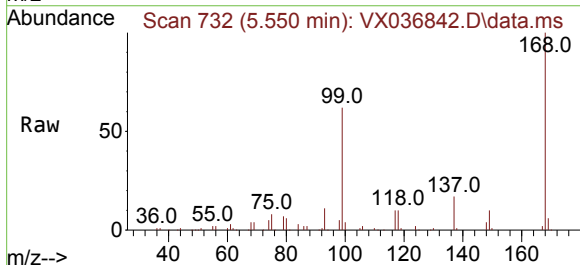
Instrument :
MSVOA_X
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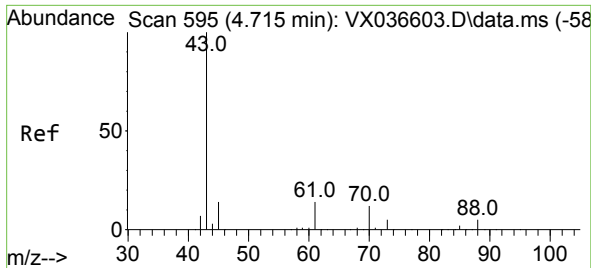
Tgt Ion:113 Resp: 83804
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.391 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion: 75 Resp: 11632
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.344 ug/l

RT: 4.727 min Scan# 595

Delta R.T. 0.012 min

Lab File: VX036842.D

Acq: 07 Aug 2023 17:17

Instrument :

MSVOA_X

ClientSampleId :

TP-1

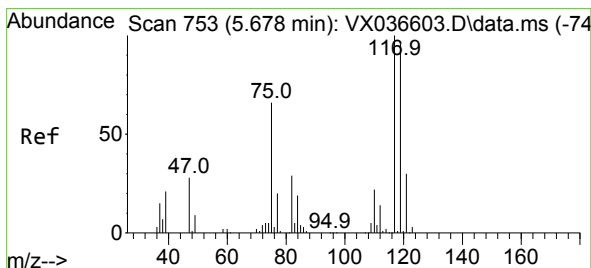
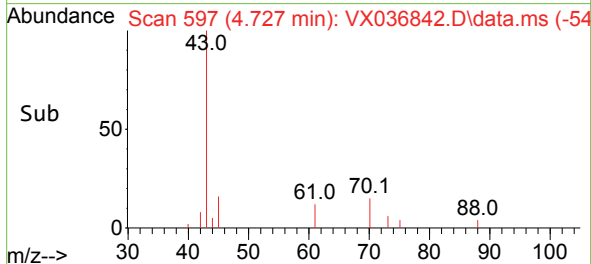
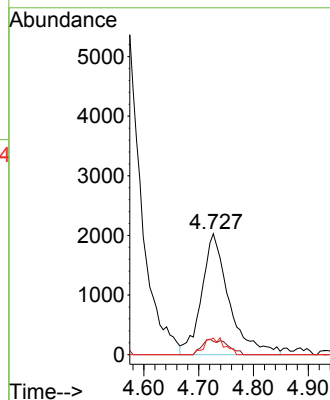
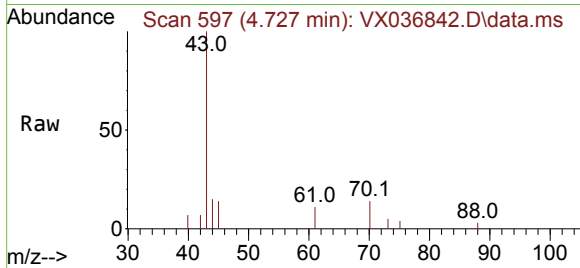
Tgt Ion: 43 Resp: 7028

Ion Ratio Lower Upper

43 100

61 11.7 10.6 16.0

70 10.2 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.401 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX036842.D

Acq: 07 Aug 2023 17:17

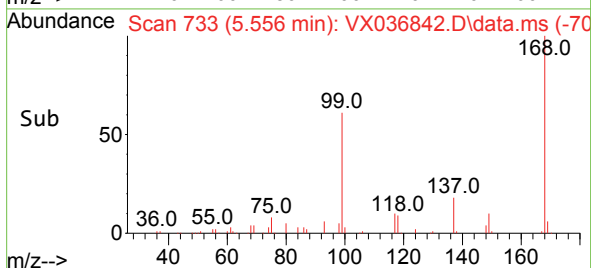
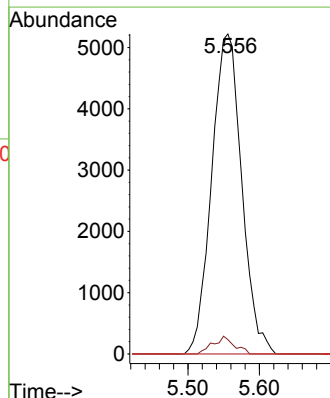
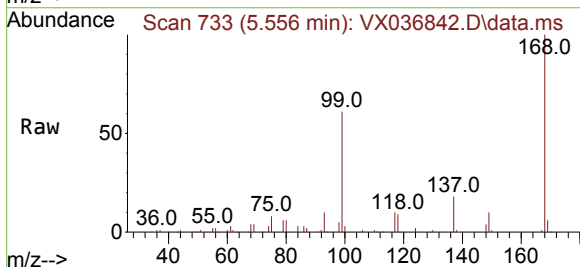
Tgt Ion: 117 Resp: 15212

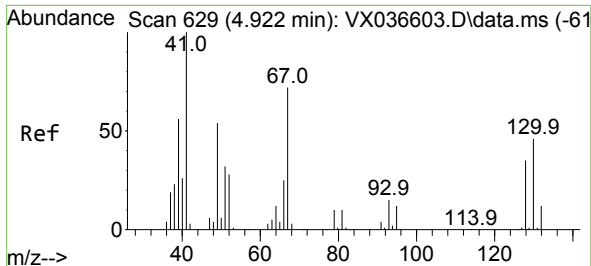
Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.2#

121 0.0 24.4 36.6#

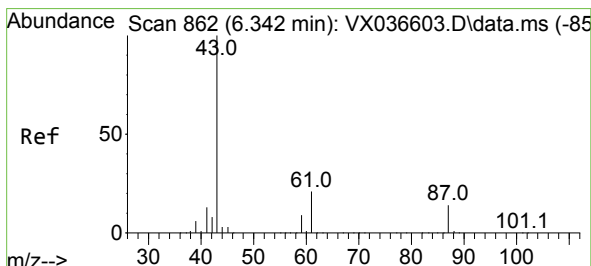
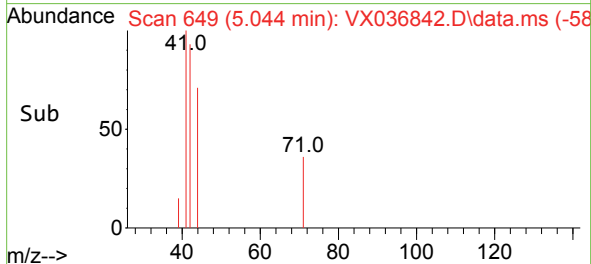
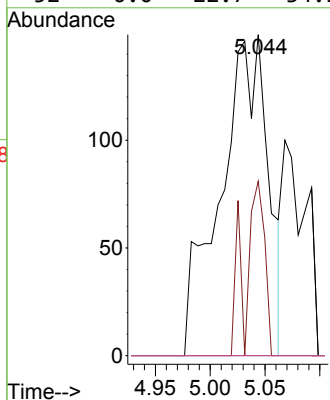
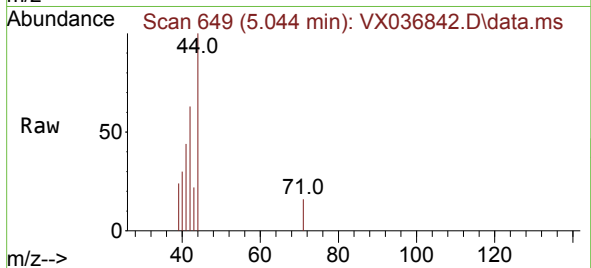




#41
Methacrylonitrile
Concen: 0.281 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.122 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

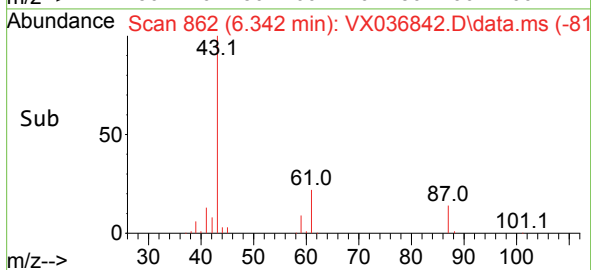
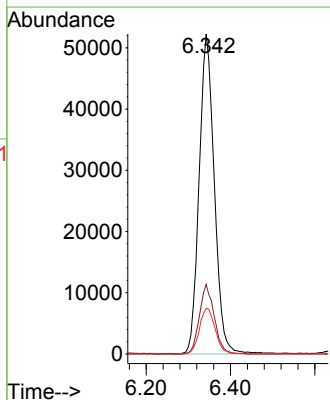
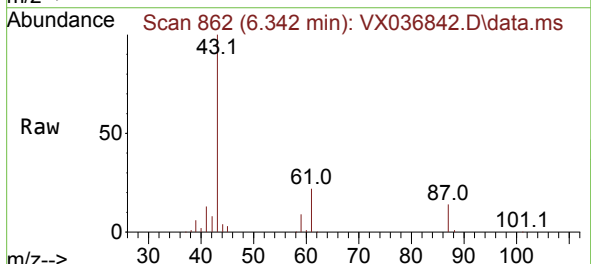
Instrument :
MSVOA_X
ClientSampleId :
TP-1

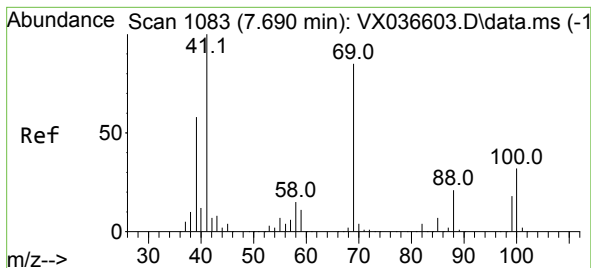
Tgt Ion:	41	Resp:	451
Ion	Ratio	Lower	Upper
41	100		
39	22.4	45.2	67.8#
67	0.0	52.6	78.8#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 25.465 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion:	43	Resp:	131443
Ion	Ratio	Lower	Upper
43	100		
61	21.2	15.2	22.8
87	14.7	9.8	14.6#





#48

Methyl methacrylate

Concen: 42.031 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.110 min

Lab File: VX036842.D

Acq: 07 Aug 2023 17:17

Instrument :

MSVOA_X

ClientSampleId :

TP-1

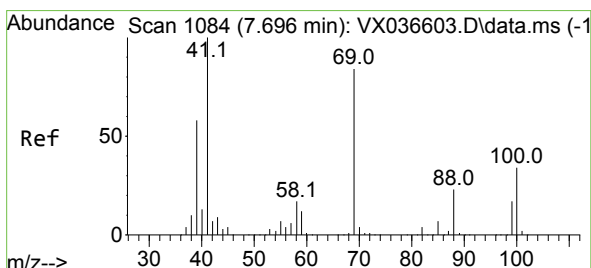
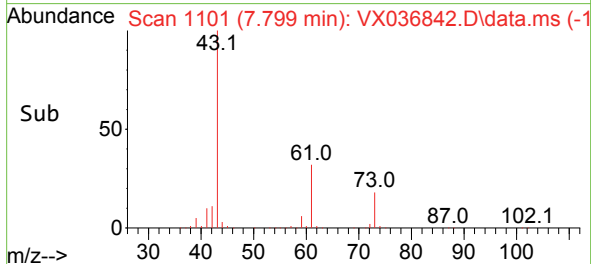
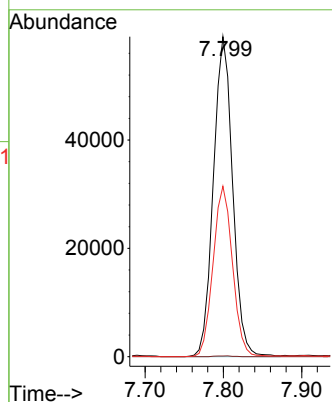
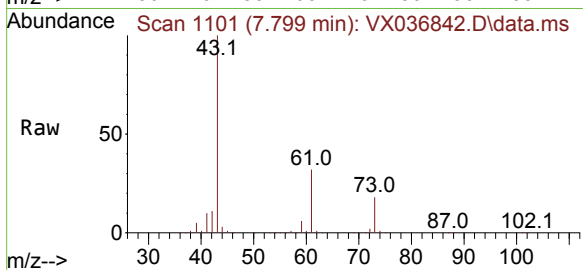
Tgt Ion: 41 Resp: 100893

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 53.8 47.7 71.5



#49

1,4-Dioxane

Concen: 4.001 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX036842.D

Acq: 07 Aug 2023 17:17

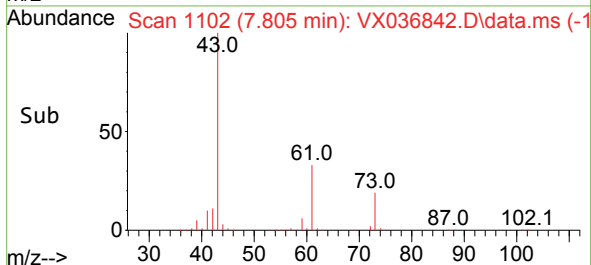
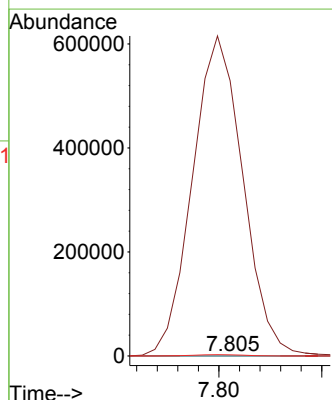
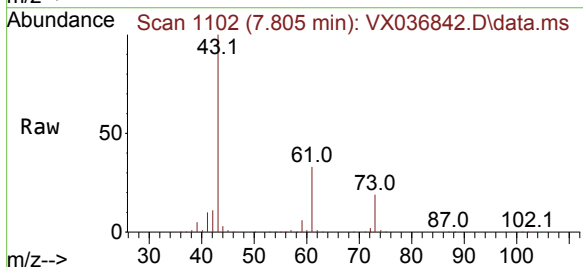
Tgt Ion: 88 Resp: 194

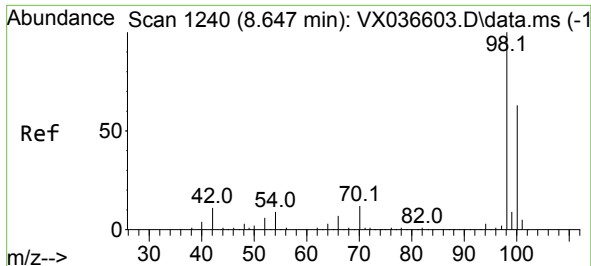
Ion Ratio Lower Upper

88 100

43 546457.7 0.0 0.0#

58 2224.2 60.1 90.1#

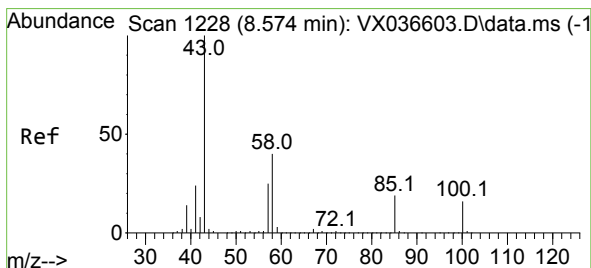
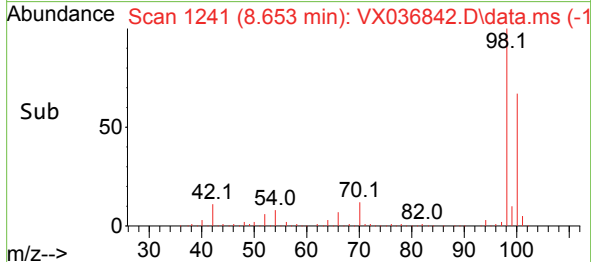
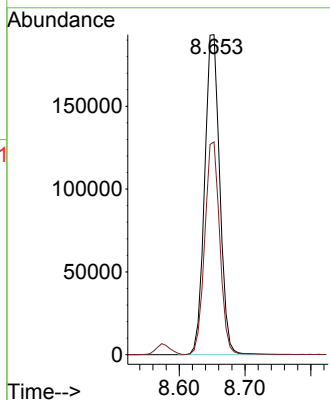
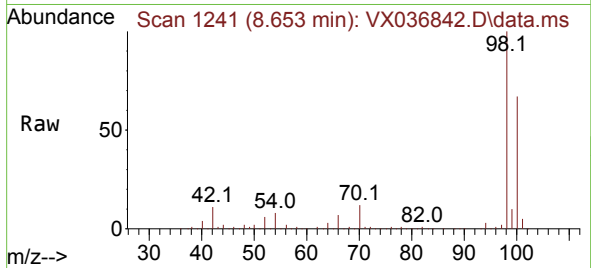




#50
Toluene-d8
Concen: 48.955 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

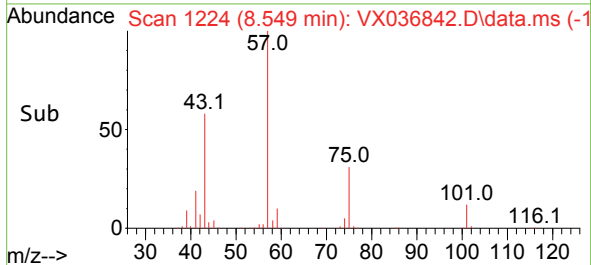
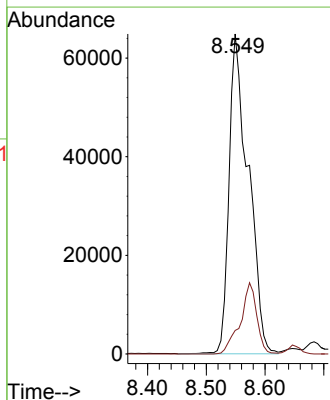
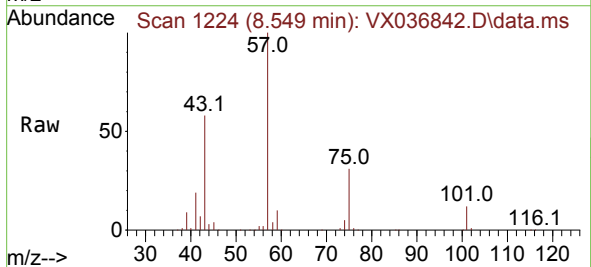
Instrument :
MSVOA_X
ClientSampleId :
TP-1

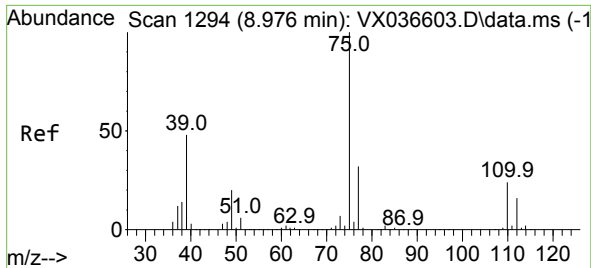
Tgt Ion: 98 Resp: 308575
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 51.564 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion: 43 Resp: 147289
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6

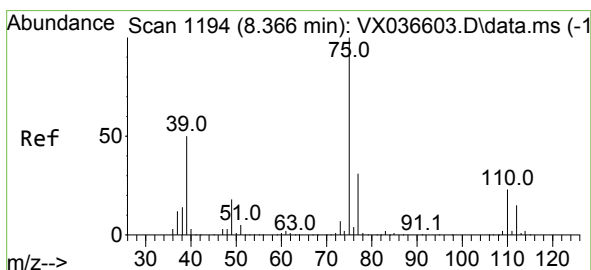
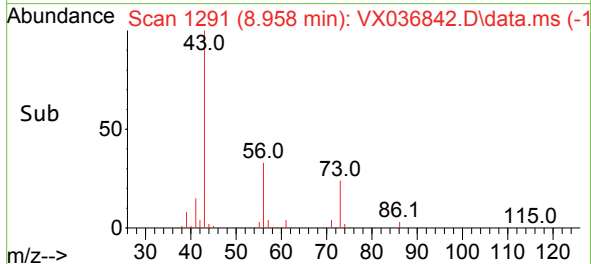
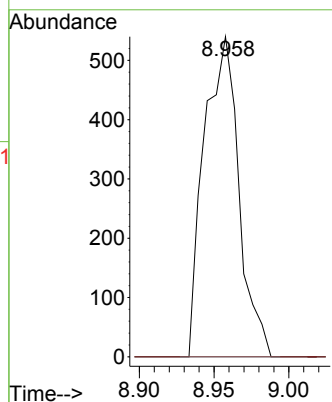
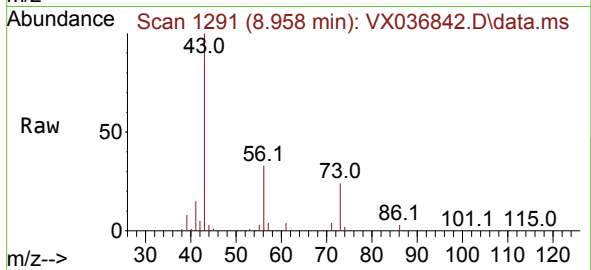




#53
 t-1,3-Dichloropropene
 Concen: 0.261 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VX036842.D
 Acq: 07 Aug 2023 17:17

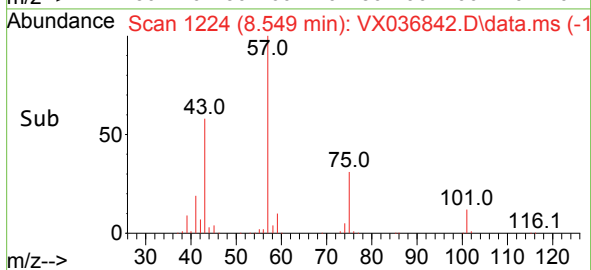
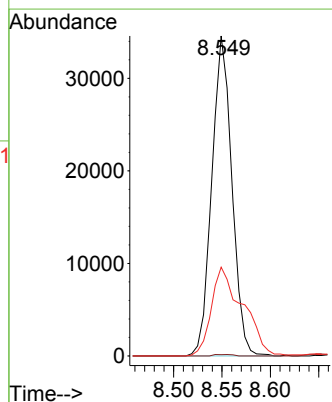
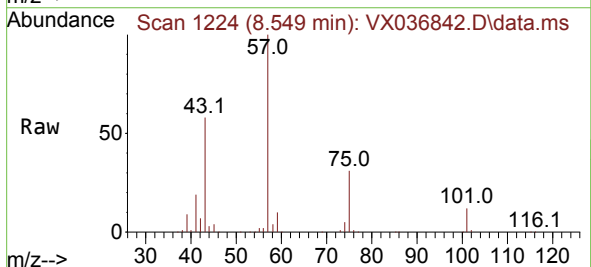
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

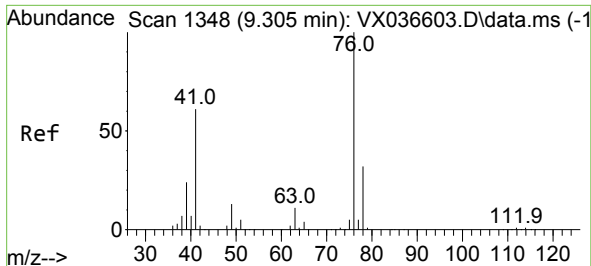
Tgt Ion: 75 Resp: 873
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 14.190 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX036842.D
 Acq: 07 Aug 2023 17:17

Tgt Ion: 75 Resp: 50034
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 27.8 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.680 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX036842.D

Acq: 07 Aug 2023 17:17

Instrument :

MSVOA_X

ClientSampleId :

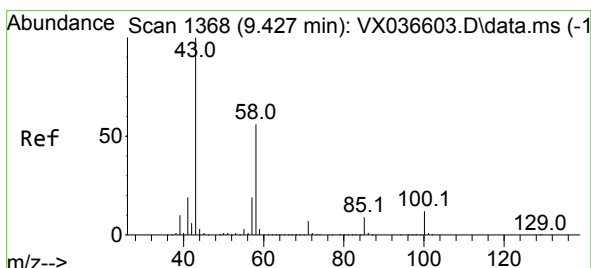
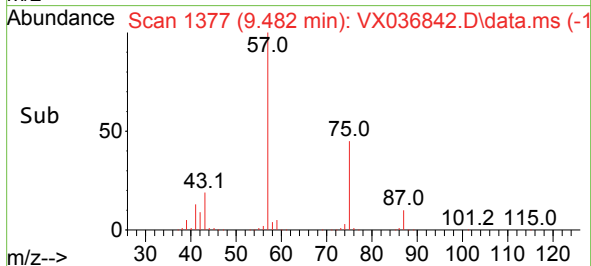
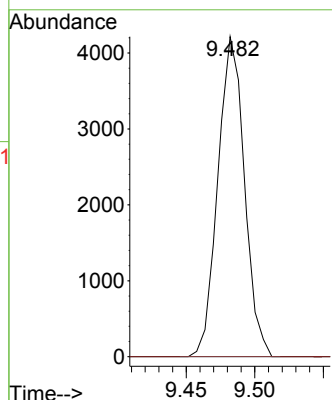
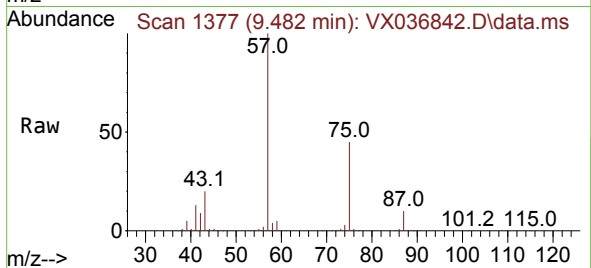
TP-1

Tgt Ion: 76 Resp: 5680

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 53.938 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.049 min

Lab File: VX036842.D

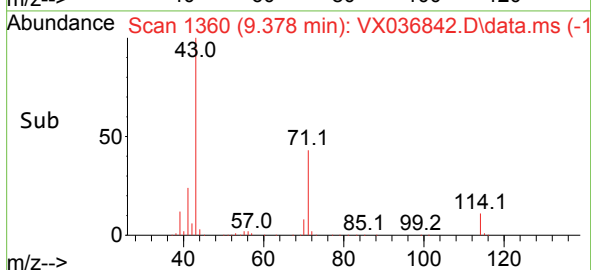
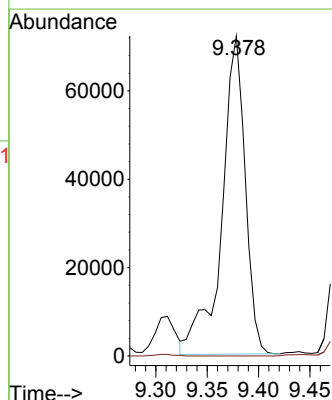
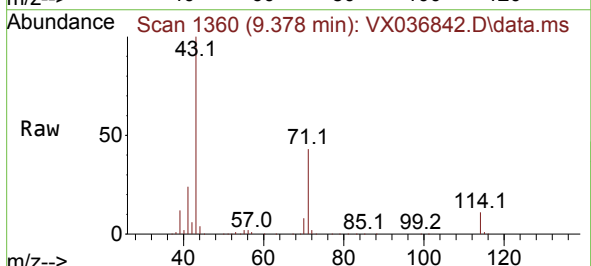
Acq: 07 Aug 2023 17:17

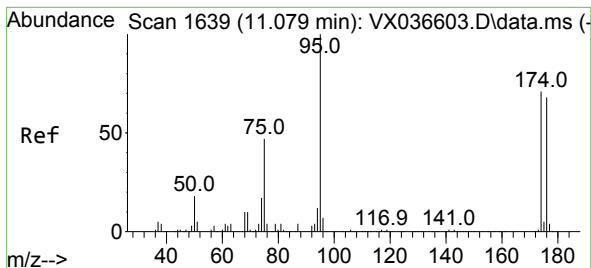
Tgt Ion: 43 Resp: 114344

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

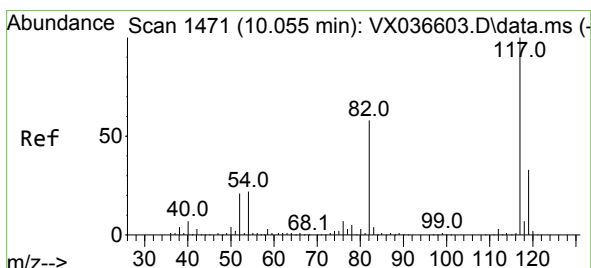
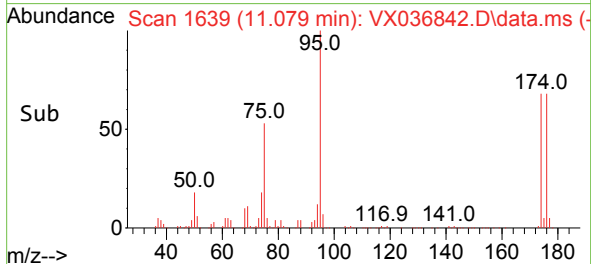
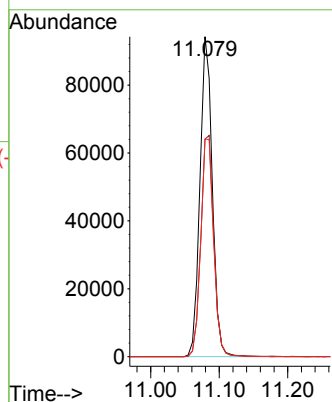
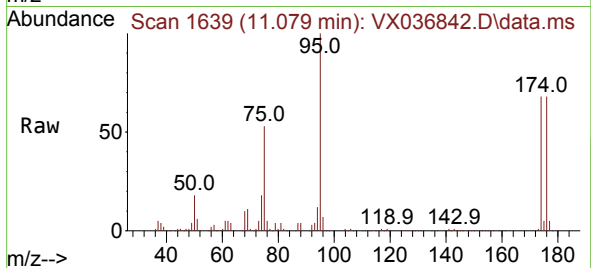




#62
4-Bromofluorobenzene
Concen: 49.940 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

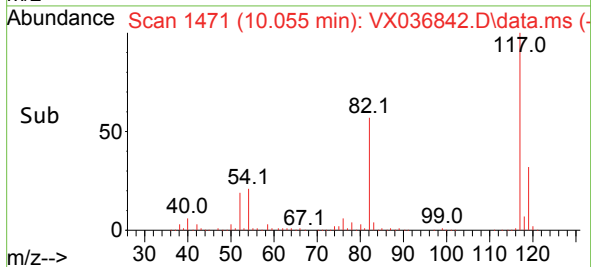
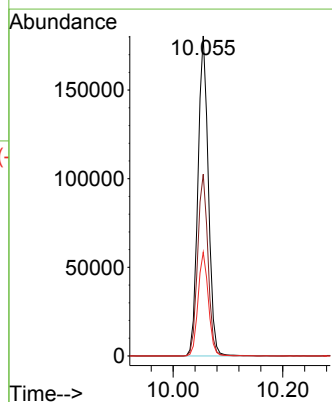
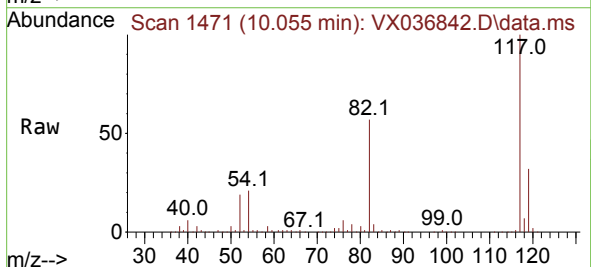
Instrument :
MSVOA_X
ClientSampleId :
TP-1

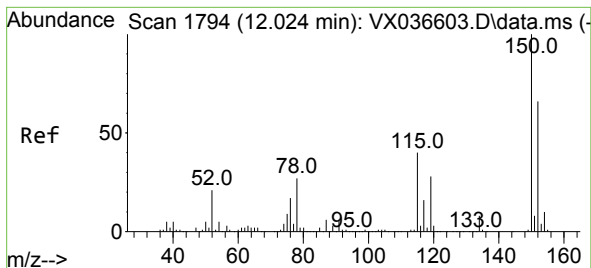
Tgt Ion: 95 Resp: 118763
Ion Ratio Lower Upper
95 100
174 72.0 0.0 135.6
176 70.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036842.D
Acq: 07 Aug 2023 17:17

Tgt Ion: 117 Resp: 238979
Ion Ratio Lower Upper
117 100
82 56.8 46.2 69.4
119 32.4 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: VX036842.D

Acq: 07 Aug 2023 17:17

Instrument :

MSVOA_X

ClientSampleId :

TP-1

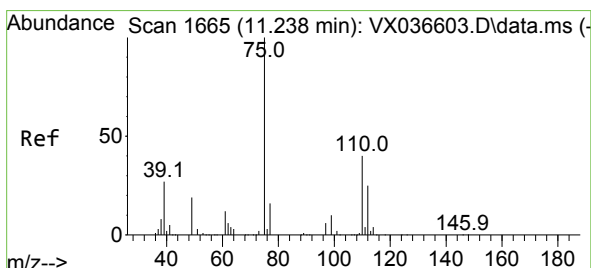
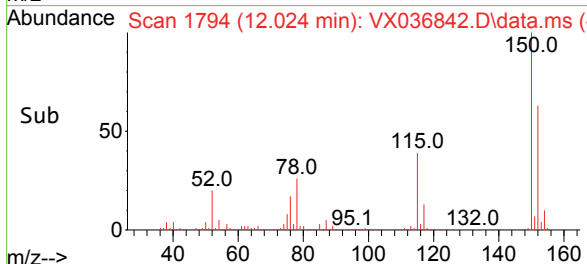
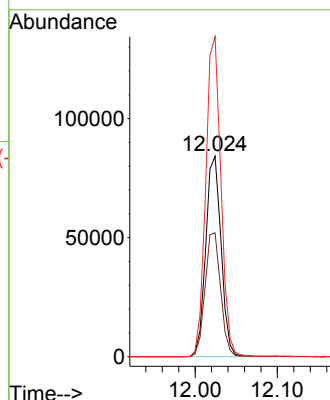
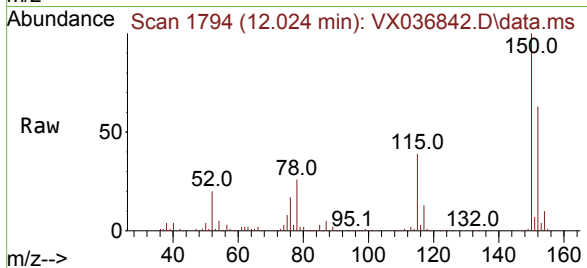
Tgt Ion:152 Resp: 109496

Ion Ratio Lower Upper

152 100

115 62.7 43.3 129.9

150 157.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 23.637 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036842.D

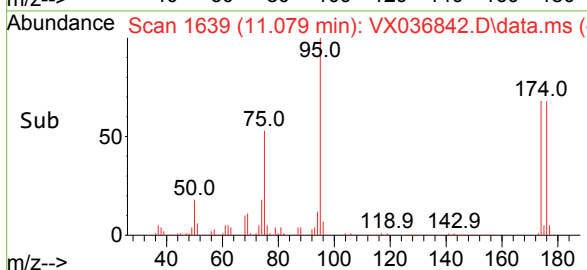
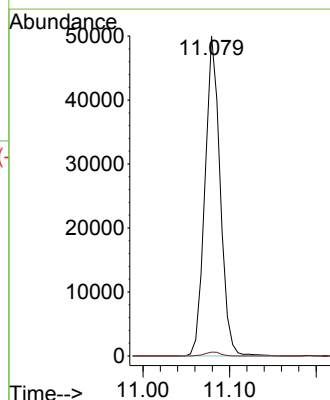
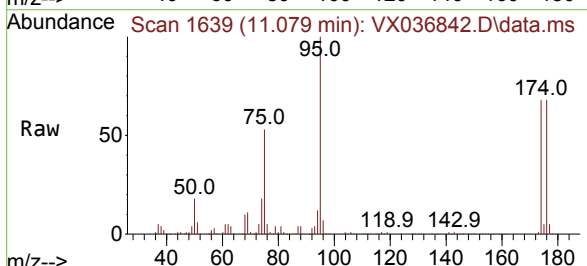
Acq: 07 Aug 2023 17:17

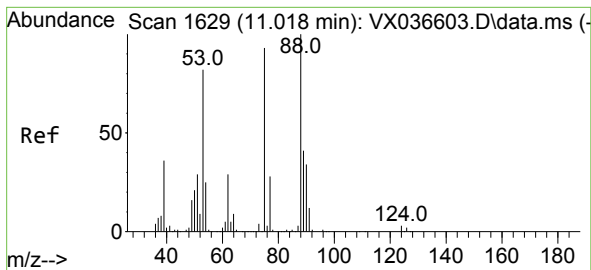
Tgt Ion: 75 Resp: 60876

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.574 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036842.D
 Acq: 07 Aug 2023 17:17

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Tgt Ion: 75 Resp: 60876
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

