

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091323\
 Data File : VX037716.D
 Acq On : 14 Sep 2023 07:24
 Operator : JC/MD
 Sample : 04400-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 14 08:46:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

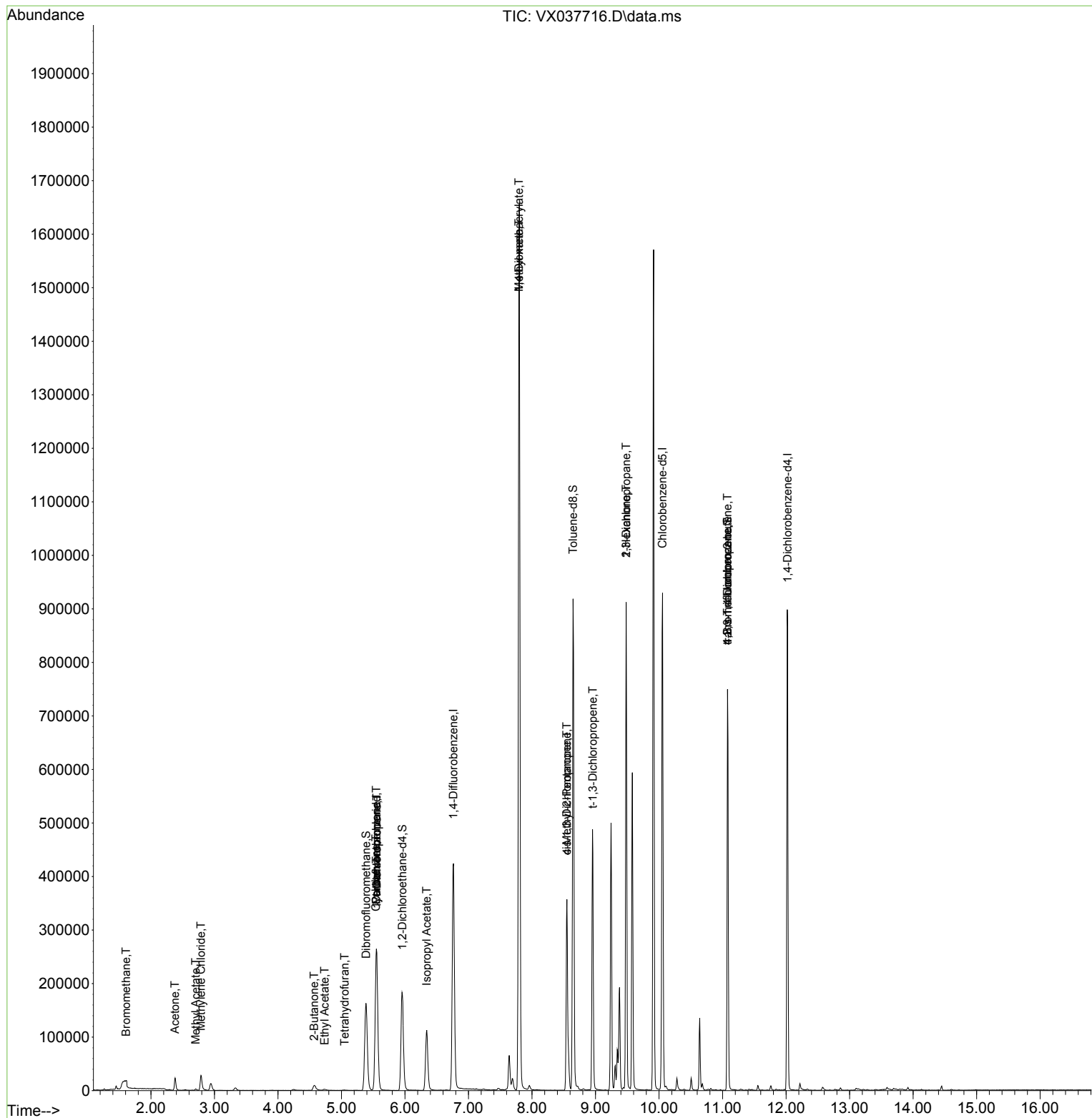
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	252171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	443535	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	188814	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	178827	43.831	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.660%
35) Dibromofluoromethane	5.385	113	143341	45.594	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.180%
50) Toluene-d8	8.647	98	546539	46.095	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.200%
62) 4-Bromofluorobenzene	11.079	95	195087	45.607	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.220%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	600	0.202	ug/l #	41
11) Tert butyl alcohol	2.941	59	8345	Below Cal	#	83
16) Acetone	2.380	43	23484	14.237	ug/l	93
18) Methyl Acetate	2.703	43	3278	0.471	ug/l	98
20) Methylene Chloride	2.788	84	15254	3.601	ug/l	92
25) 2-Butanone	4.568	43	13379	4.975	ug/l	98
29) Tetrahydrofuran	5.050	42	777	0.454	ug/l #	70
31) Cyclohexane	5.544	56	5608	1.194	ug/l #	8
36) 1,1-Dichloropropene	5.556	75	19736	4.615	ug/l #	52
37) Ethyl Acetate	4.733	43	3832	0.783	ug/l	95
38) Carbon Tetrachloride	5.550	117	26149	5.985	ug/l #	15
43) Isopropyl Acetate	6.342	43	153245	19.629	ug/l	97
48) Methyl methacrylate	7.793	41	141753	37.562	ug/l #	49
49) 1,4-Dioxane	7.793	88	247	2.642	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	144109	28.111	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	1205	0.264	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	57802	11.562	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	7733	1.313	ug/l #	42
59) 2-Hexanone	9.482	43	99059	25.034	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	99914	24.070	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	99914	73.165	ug/l #	5

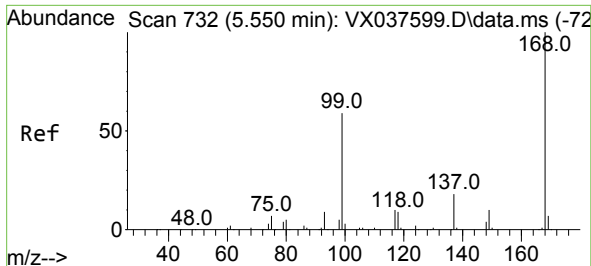
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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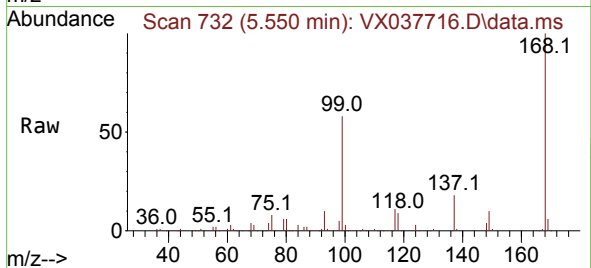
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 10:10:04 2023
Response via : Initial Calibration



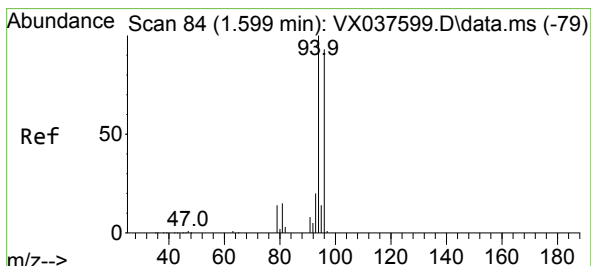
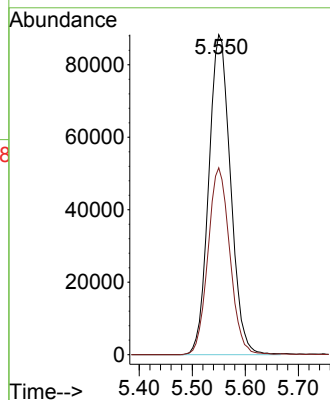
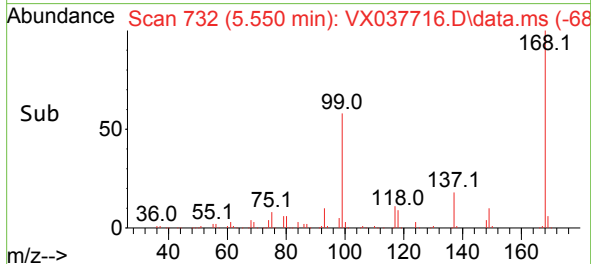


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Instrument :
MSVOA_X
ClientSampleId :

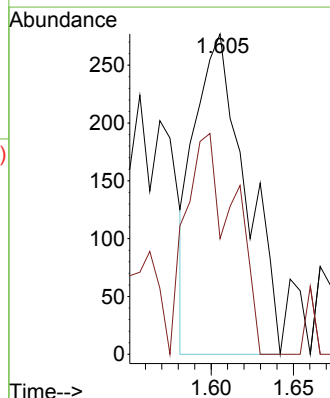
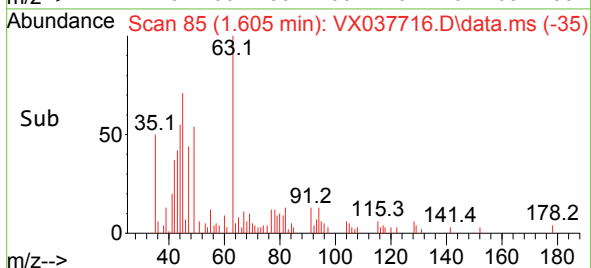
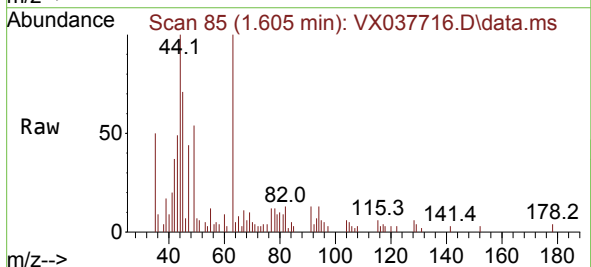


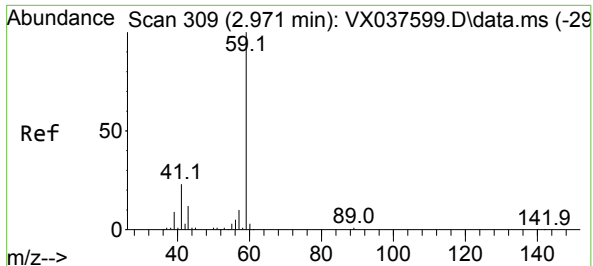
Tgt Ion:168 Resp: 252171
Ion Ratio Lower Upper
168 100
99 58.4 56.6 85.0



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 36.1 74.6 111.8#

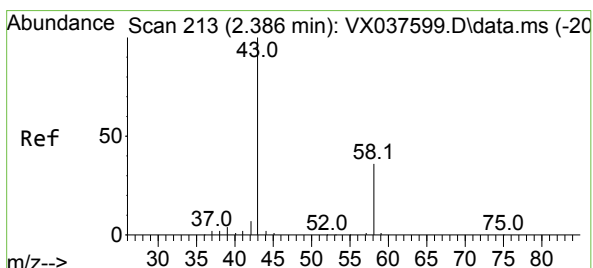
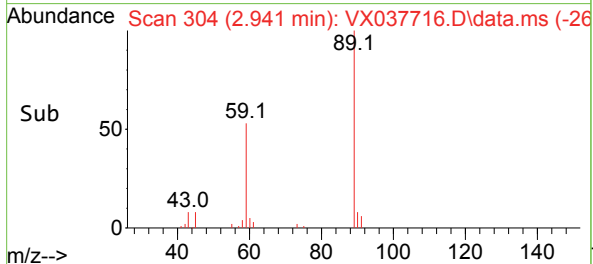
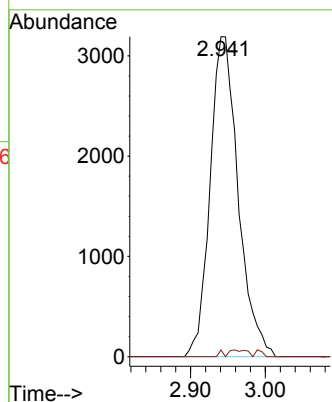
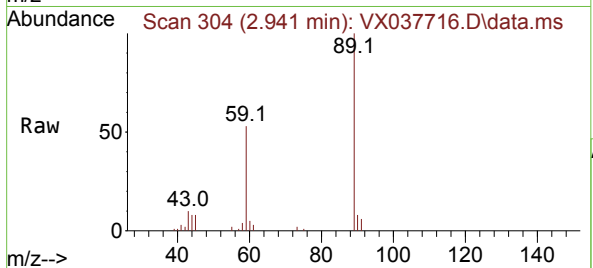




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 309
Delta R.T. -0.030 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

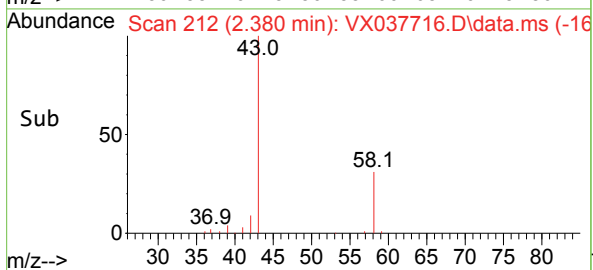
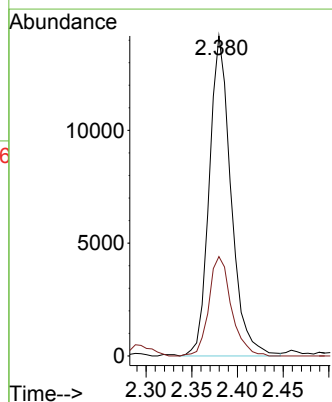
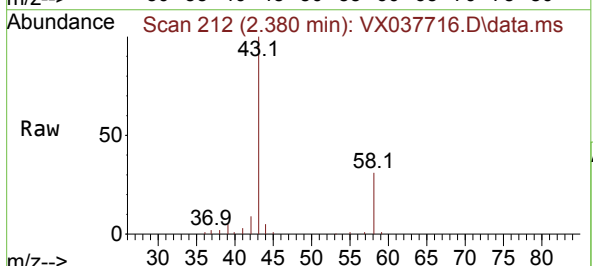
Instrument :
MSVOA_X
ClientSampleId :

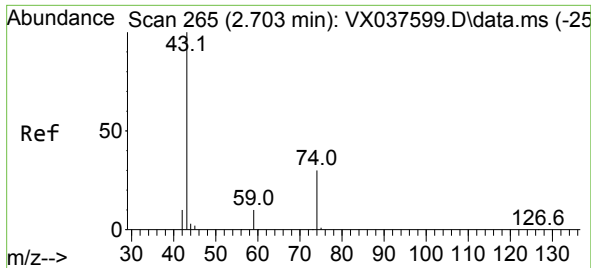
Tgt Ion: 59 Resp: 8345
Ion Ratio Lower Upper
59 100
57 1.6 6.0 9.0#



#16
Acetone
Concen: 14.237 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion: 43 Resp: 23484
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9

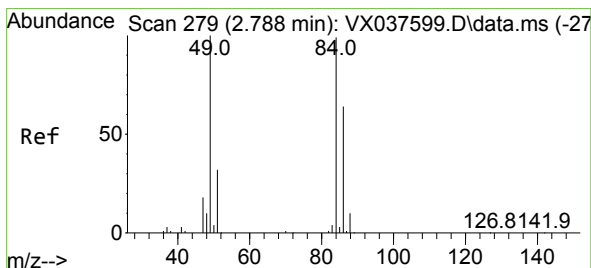
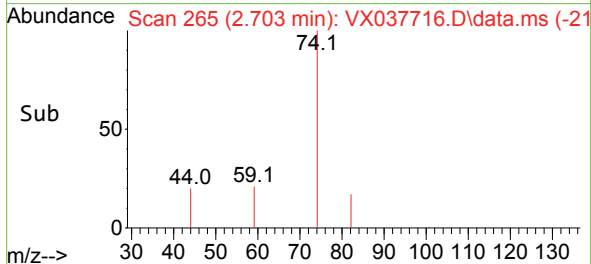
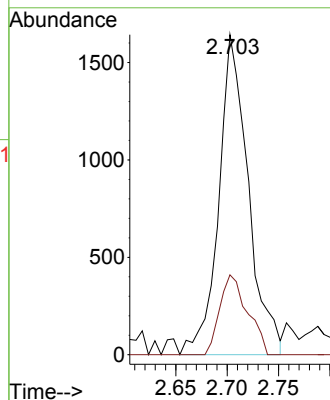
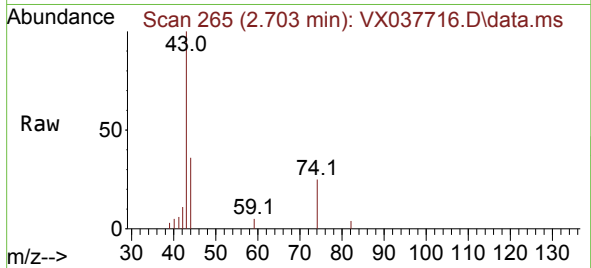




#18
Methyl Acetate
Concen: 0.471 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

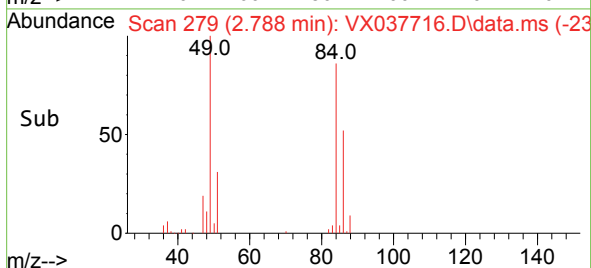
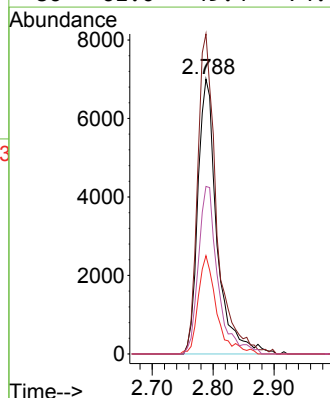
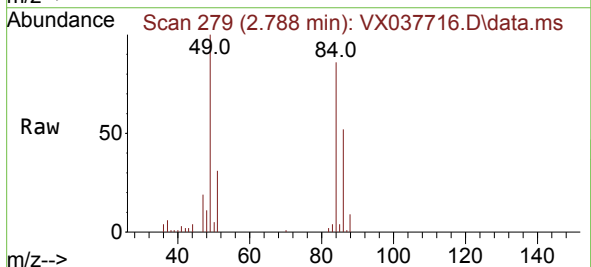
Instrument :
MSVOA_X
ClientSampleId :

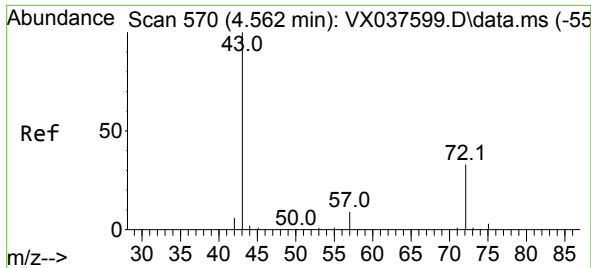
Tgt Ion: 43 Resp: 3278
Ion Ratio Lower Upper
43 100
74 23.5 17.8 26.8



#20
Methylene Chloride
Concen: 3.601 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion: 84 Resp: 15254
Ion Ratio Lower Upper
84 100
49 116.4 103.6 155.4
51 35.8 33.8 50.6
86 61.0 49.4 74.0

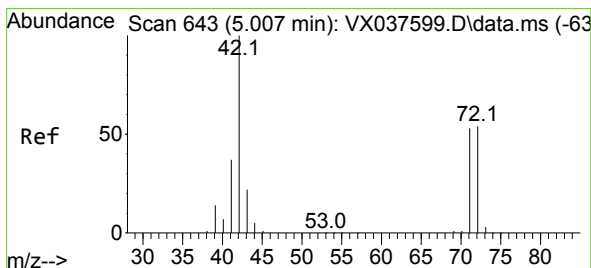
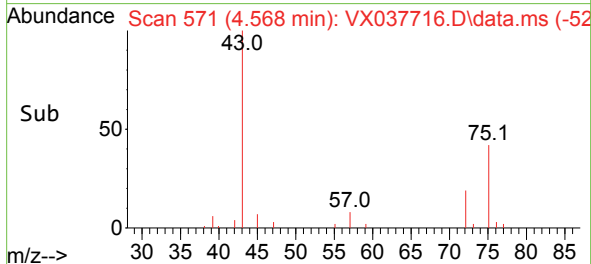
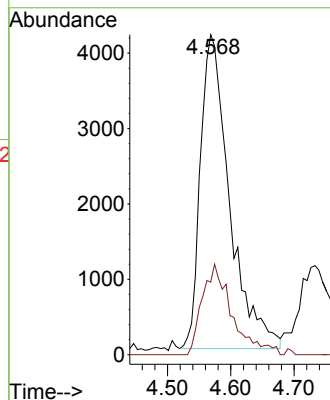
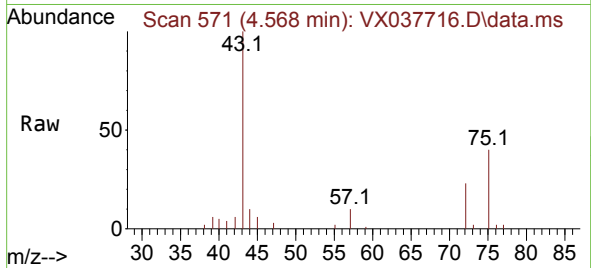




#25
2-Butanone
Concen: 4.975 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

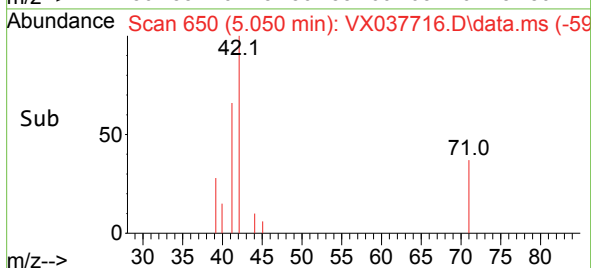
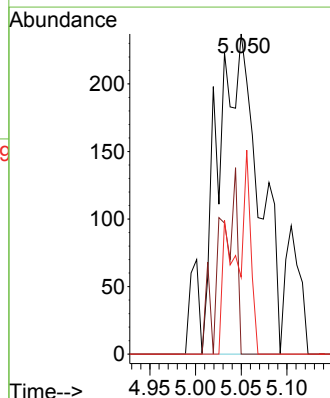
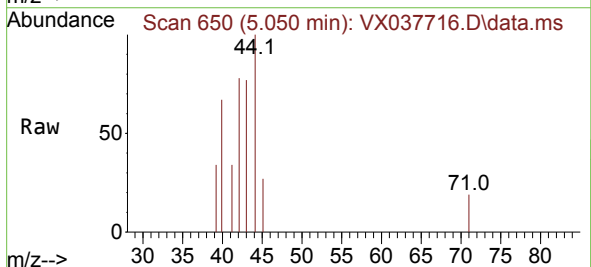
Instrument :
MSVOA_X
ClientSampleId :

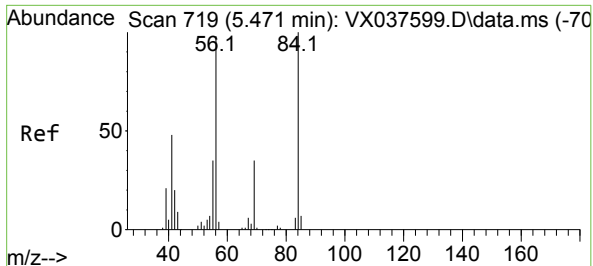
Tgt Ion: 43 Resp: 13379
Ion Ratio Lower Upper
43 100
72 23.1 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.454 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.043 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

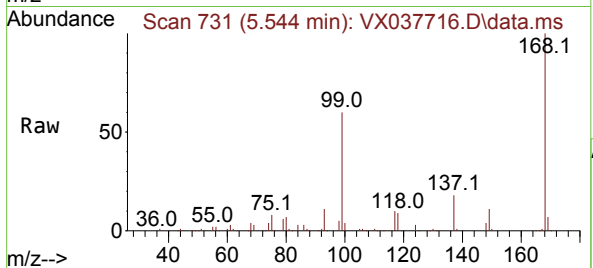
Tgt Ion: 42 Resp: 777
Ion Ratio Lower Upper
42 100
72 22.3 34.2 51.4#
71 23.7 32.2 48.2#



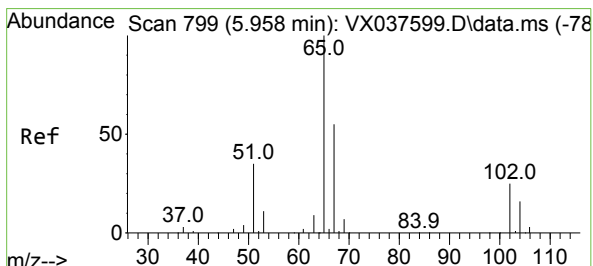
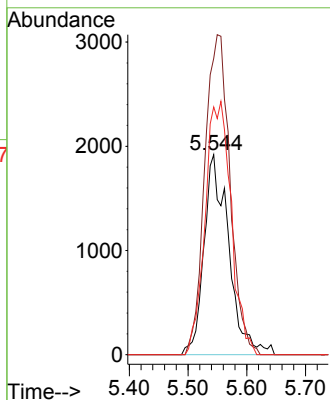
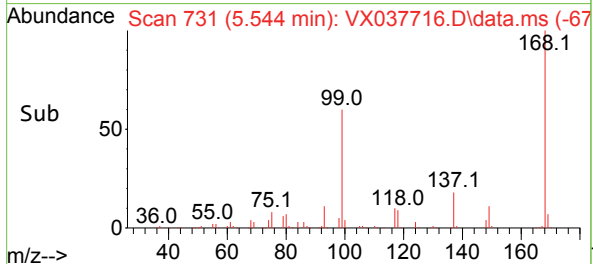


#31
Cyclohexane
Concen: 1.194 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Instrument :
MSVOA_X
ClientSampleId :

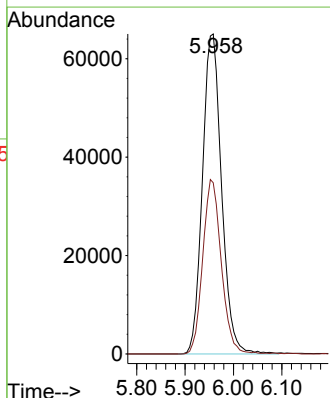
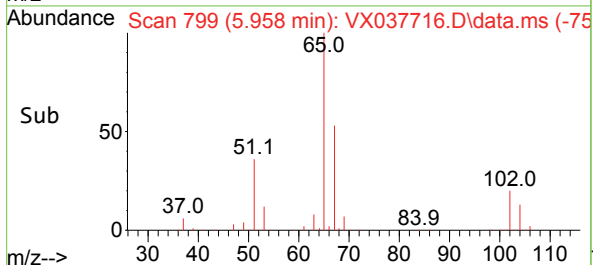
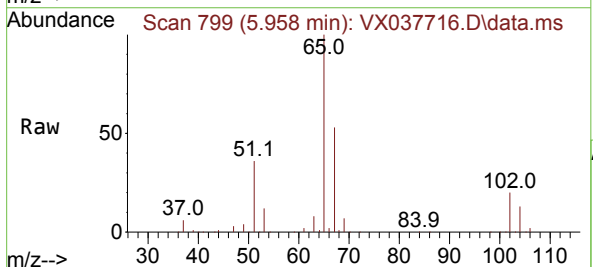


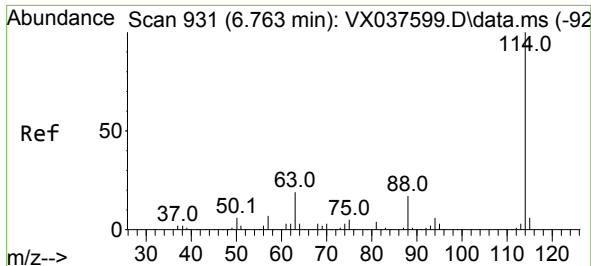
Tgt Ion: 56 Resp: 5608
Ion Ratio Lower Upper
56 100
69 148.2 23.4 35.2#
84 123.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.831 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion: 65 Resp: 178827
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

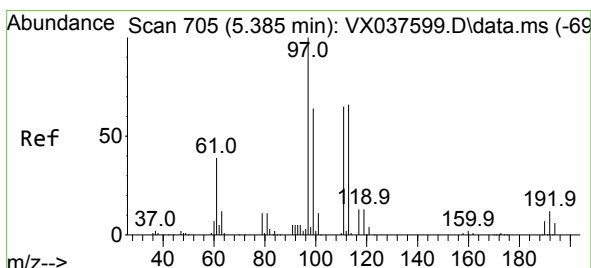
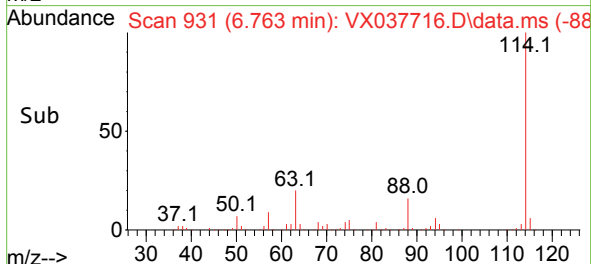
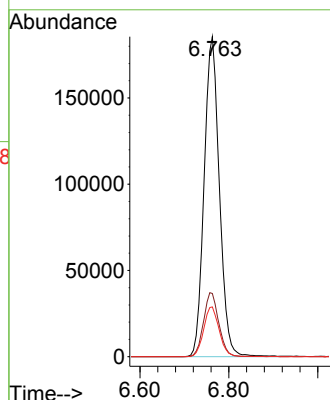
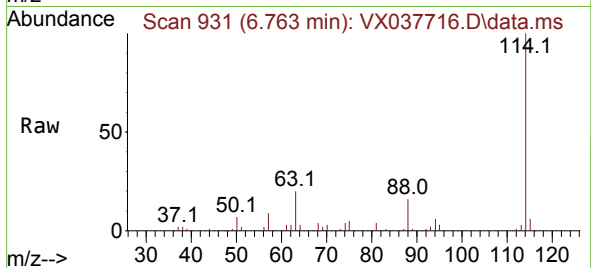




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

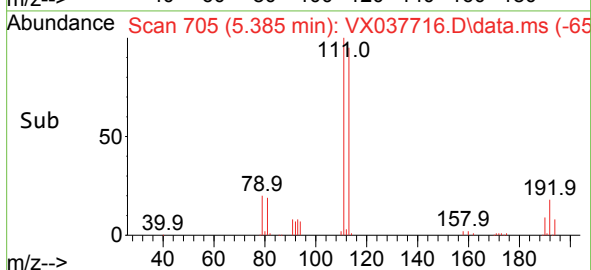
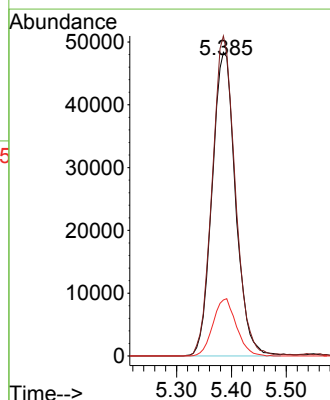
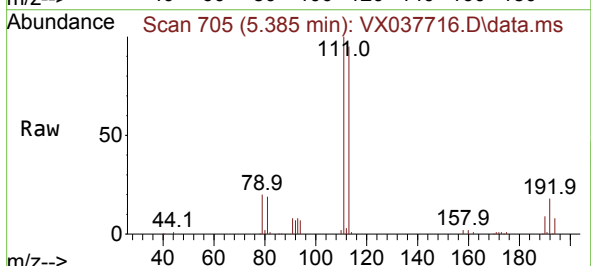
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MSVOA_X
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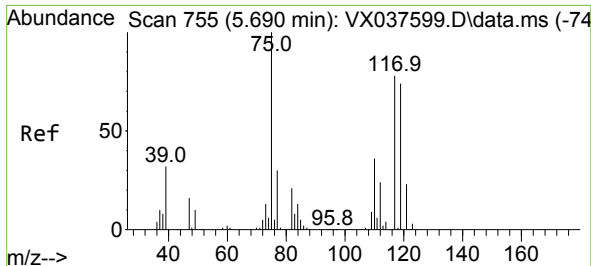
Tgt Ion:114 Resp: 443535
Ion Ratio Lower Upper
114 100
63 19.8 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.594 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion:113 Resp: 143341
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 18.8 13.3 19.9

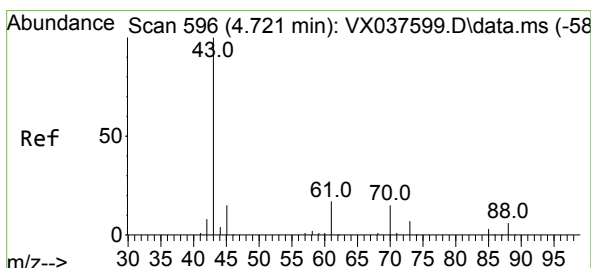
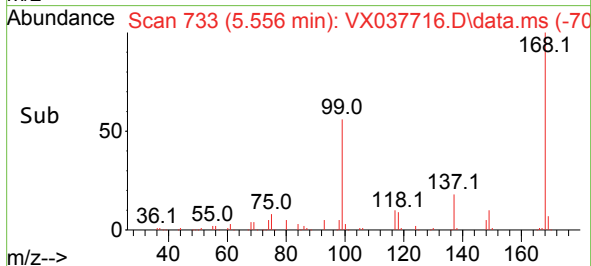
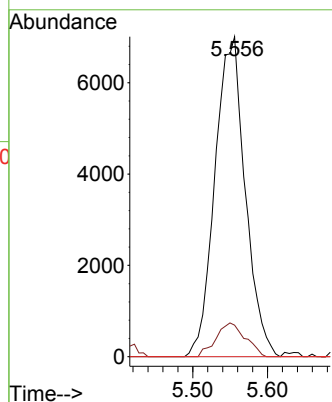
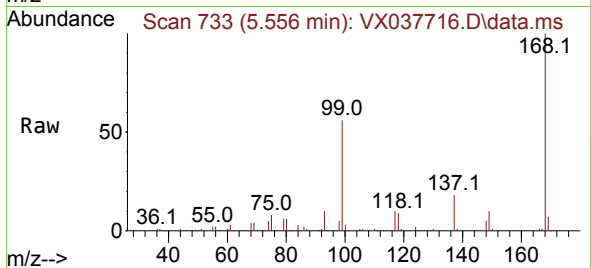




#36
1,1-Dichloropropene
Concen: 4.615 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

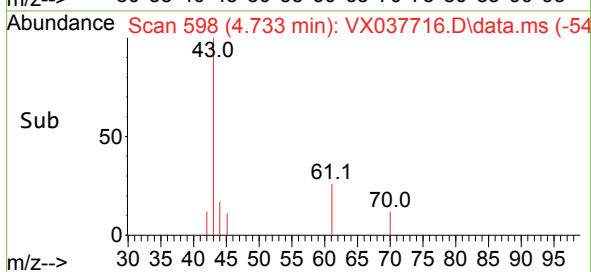
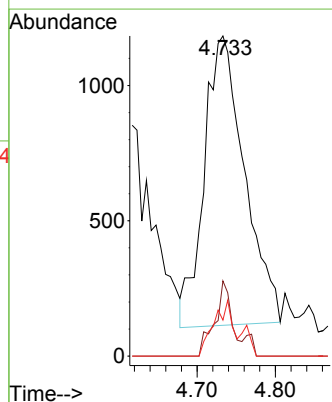
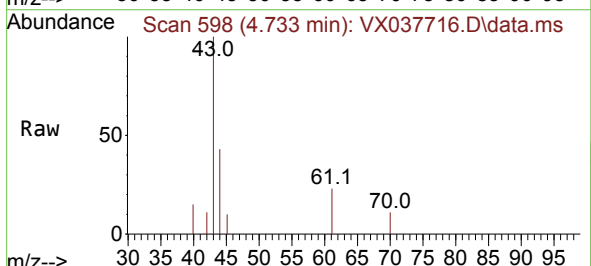
Instrument :
MSVOA_X
ClientSampleId :

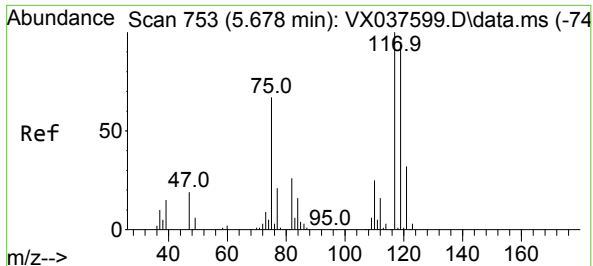
Tgt Ion: 75 Resp: 19736
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.783 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.012 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

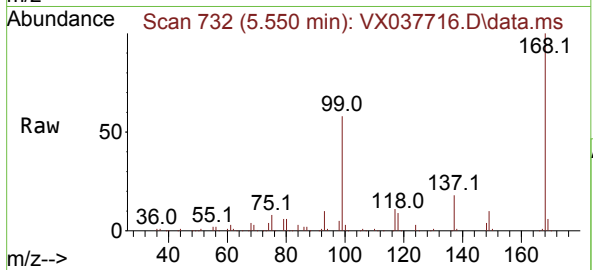
Tgt Ion: 43 Resp: 3832
Ion Ratio Lower Upper
43 100
61 11.0 10.6 16.0
70 8.9 8.3 12.5



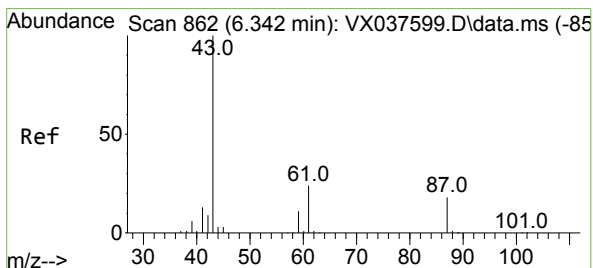
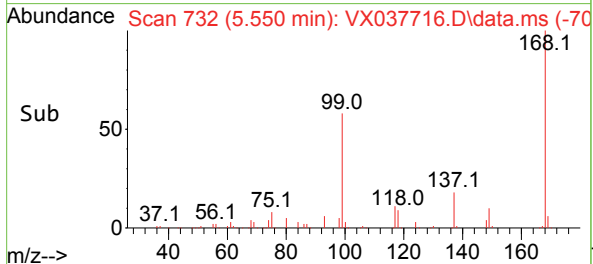
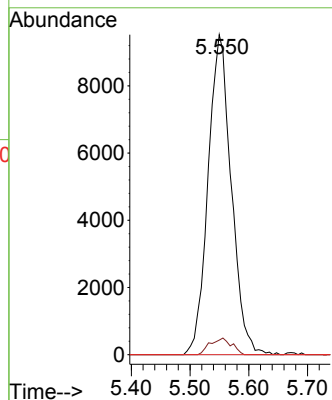


#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Instrument :
MSVOA_X
ClientSampleId :

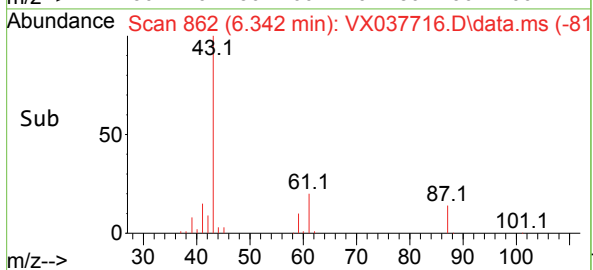
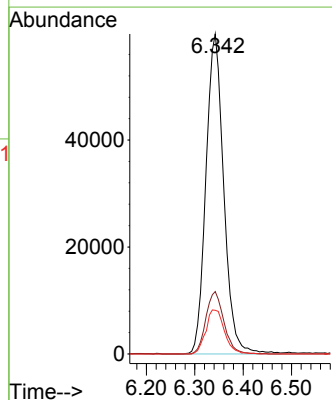
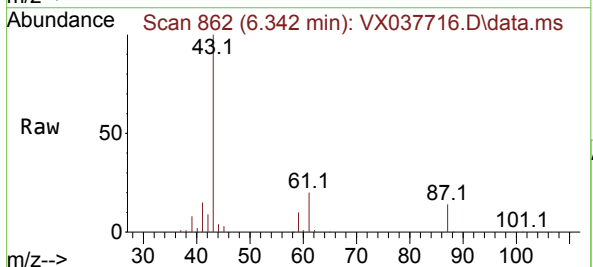


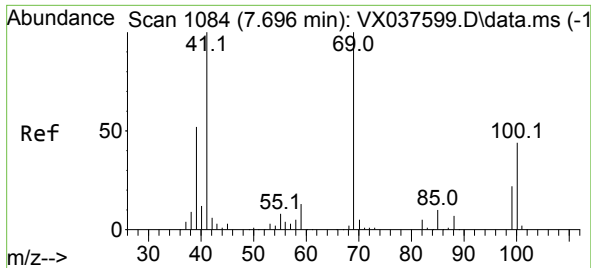
Tgt Ion:117 Resp: 26149
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 19.629 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion: 43 Resp: 153245
Ion Ratio Lower Upper
43 100
61 19.7 15.2 22.8
87 14.4 9.8 14.6

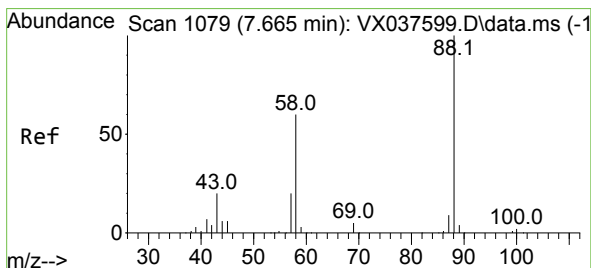
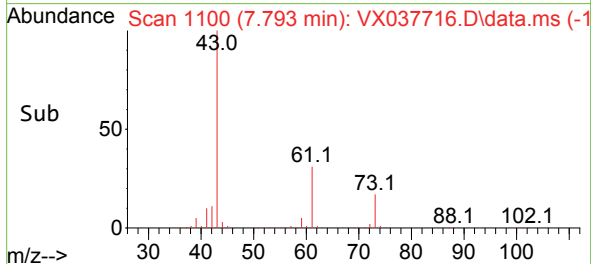
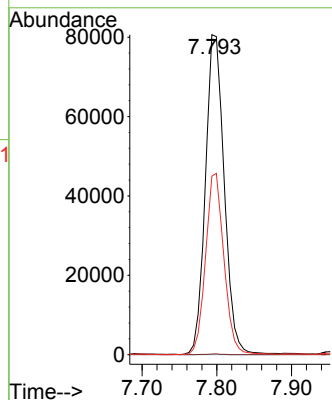
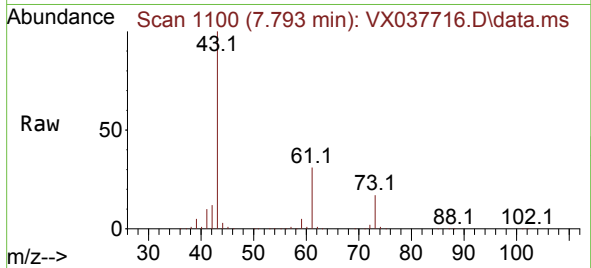




#48
Methyl methacrylate
Concen: 37.562 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.097 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

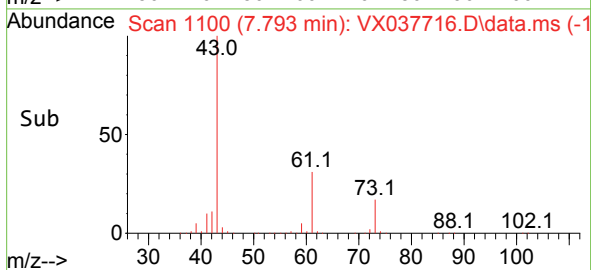
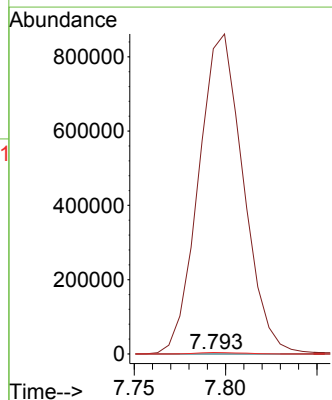
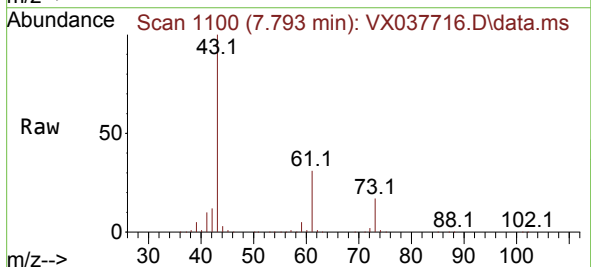
Instrument :
MSVOA_X
ClientSampleId :

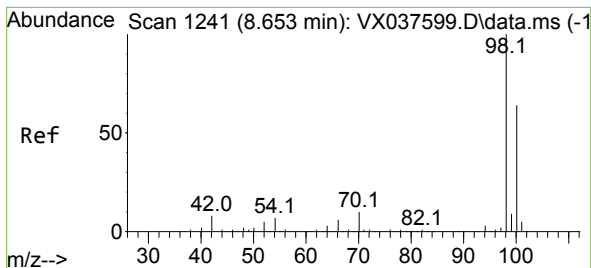
Tgt Ion: 41 Resp: 141753
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 55.3 47.7 71.5



#49
1,4-Dioxane
Concen: 2.642 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion: 88 Resp: 247
Ion Ratio Lower Upper
88 100
43 597478.5 0.0 0.0#
58 2735.6 60.1 90.1#





#50

Toluene-d8

Concen: 46.095 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037716.D

Acq: 14 Sep 2023 07:24

Instrument :

MSVOA_X

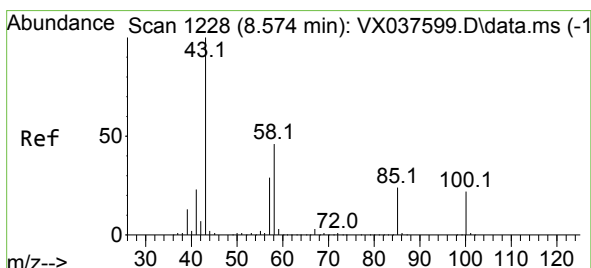
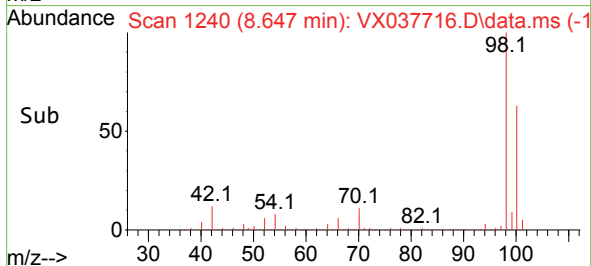
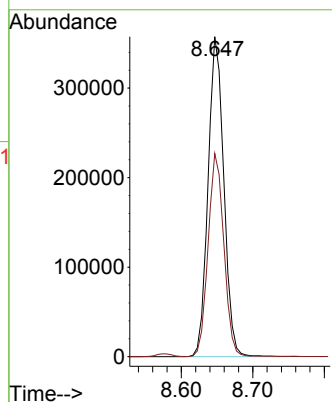
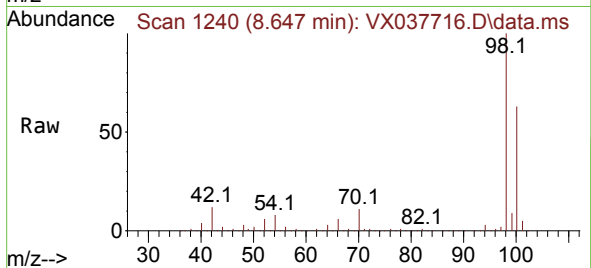
ClientSampleId :

Tgt Ion: 98 Resp: 546539

Ion Ratio Lower Upper

98 100

100 63.4 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 28.111 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX037716.D

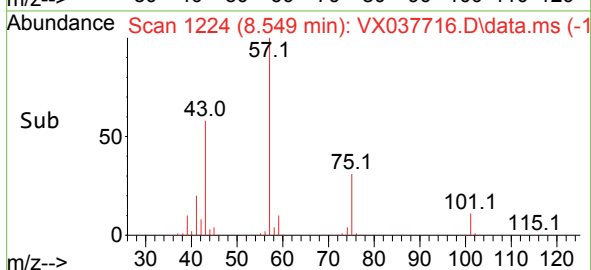
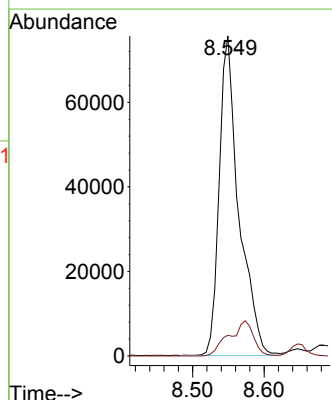
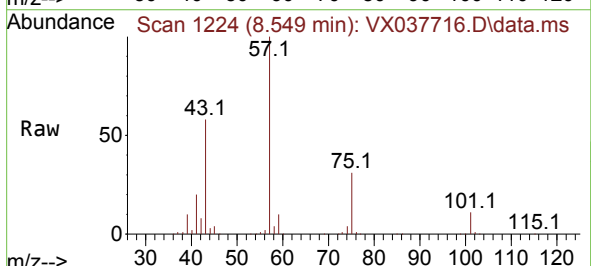
Acq: 14 Sep 2023 07:24

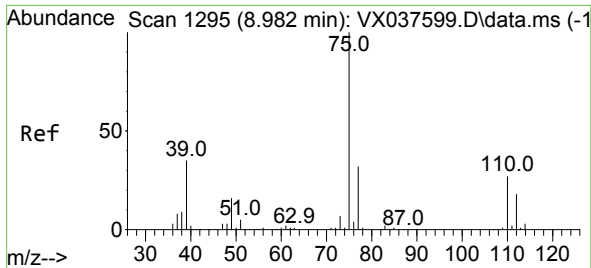
Tgt Ion: 43 Resp: 144109

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

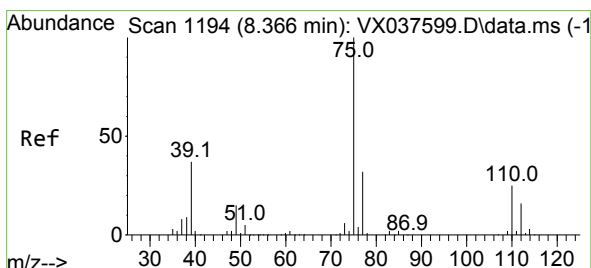
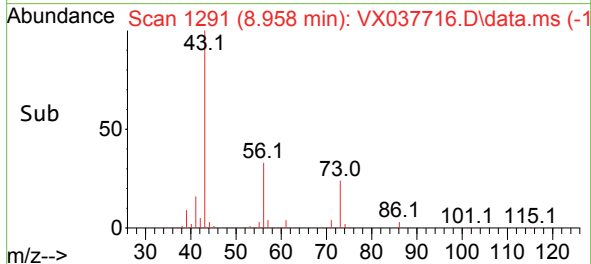
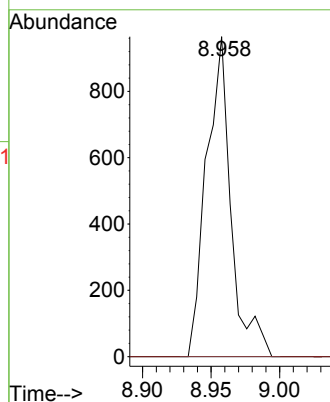
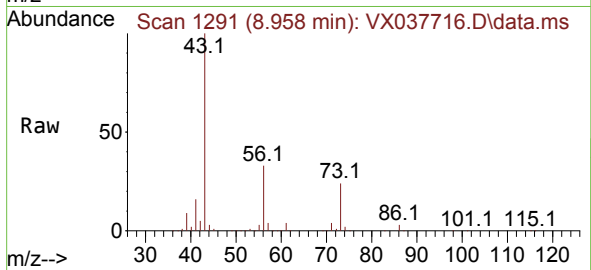




#53
 t-1,3-Dichloropropene
 Concen: 0.264 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX037716.D
 Acq: 14 Sep 2023 07:24

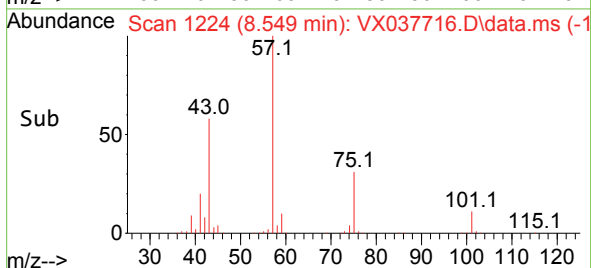
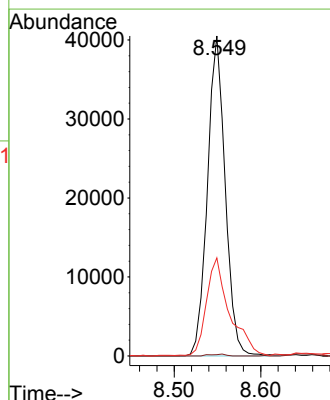
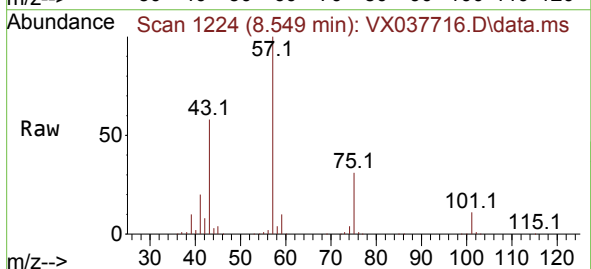
Instrument :
 MSVOA_X
 ClientSampleId :

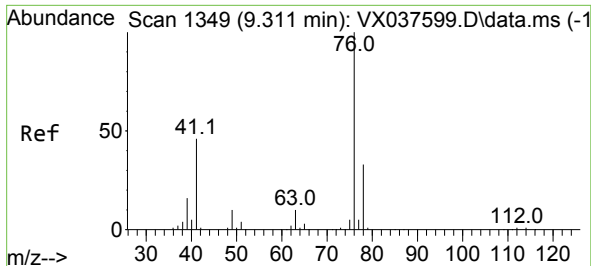
Tgt Ion: 75 Resp: 1205
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 11.562 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX037716.D
 Acq: 14 Sep 2023 07:24

Tgt Ion: 75 Resp: 57802
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 30.4 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.313 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX037716.D

Acq: 14 Sep 2023 07:24

Instrument :

MSVOA_X

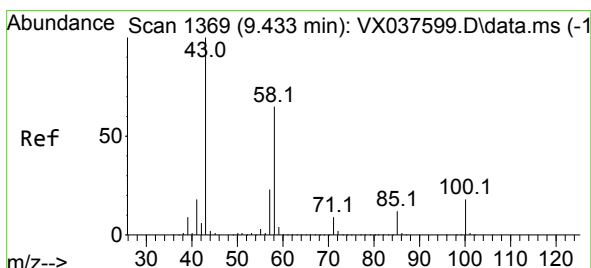
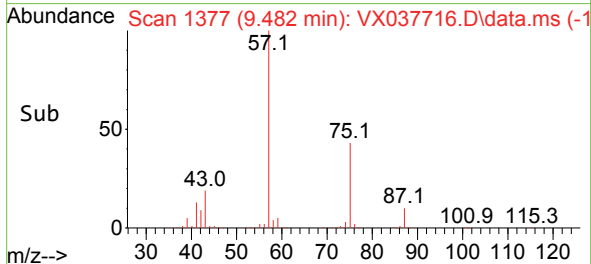
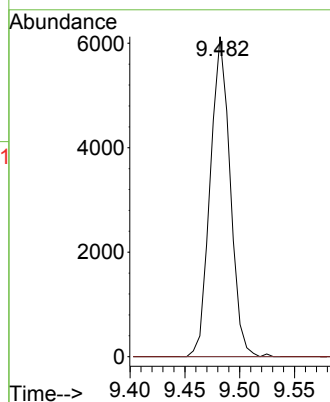
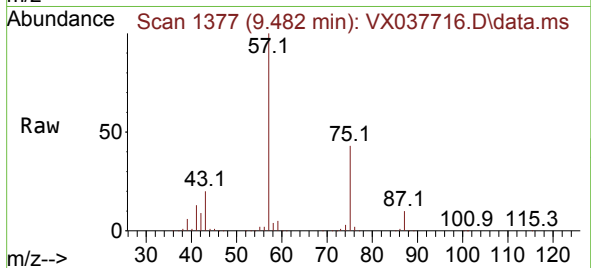
ClientSampleId :

Tgt Ion: 76 Resp: 7733

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 25.034 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX037716.D

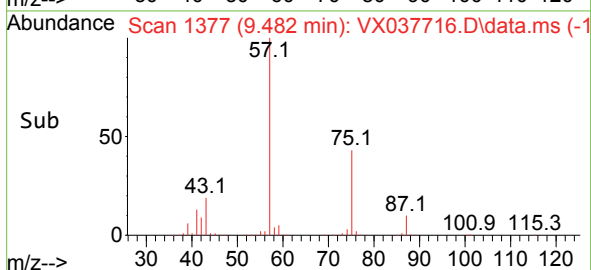
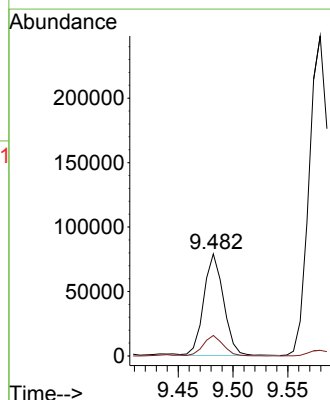
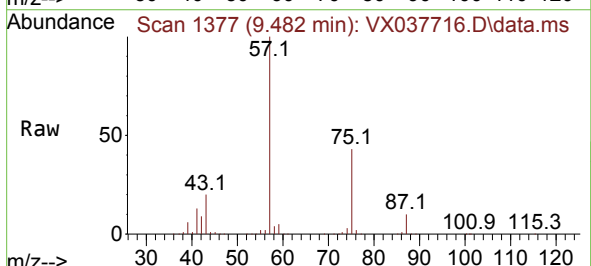
Acq: 14 Sep 2023 07:24

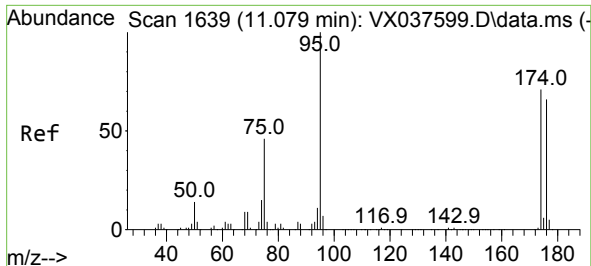
Tgt Ion: 43 Resp: 99059

Ion Ratio Lower Upper

43 100

58 20.3 26.2 78.5#

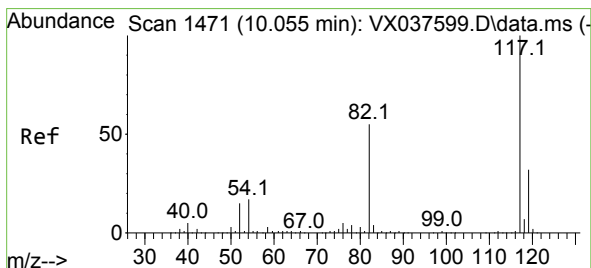
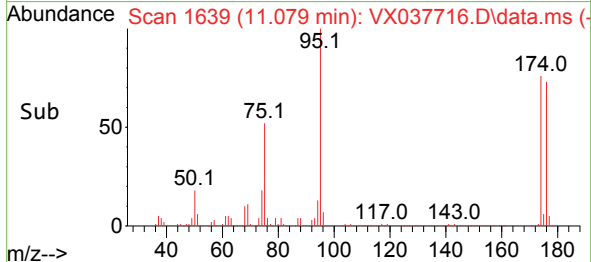
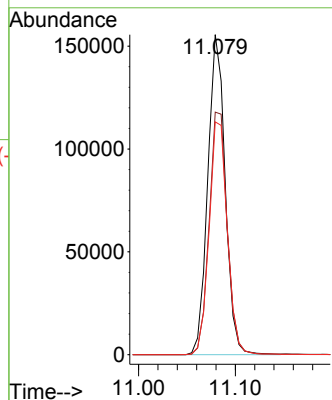
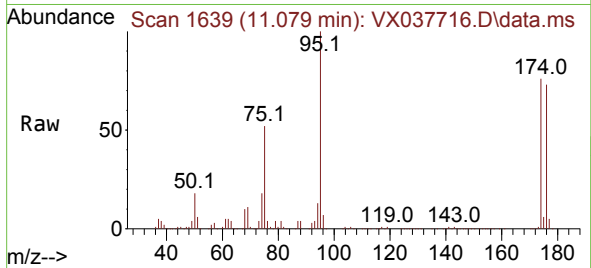




#62
4-Bromofluorobenzene
Concen: 45.607 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

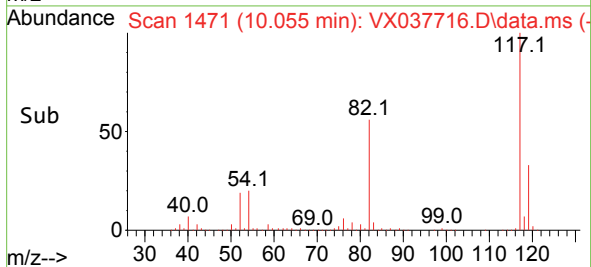
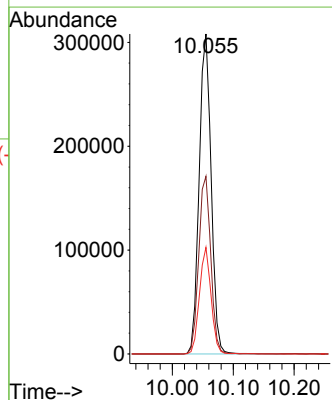
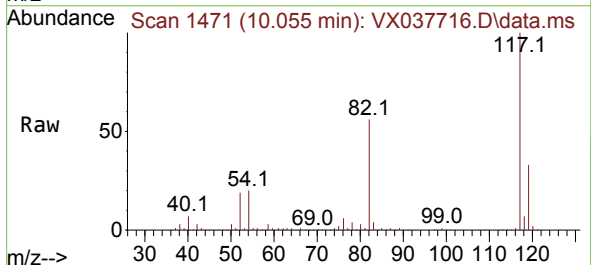
Instrument :
MSVOA_X
ClientSampleId :

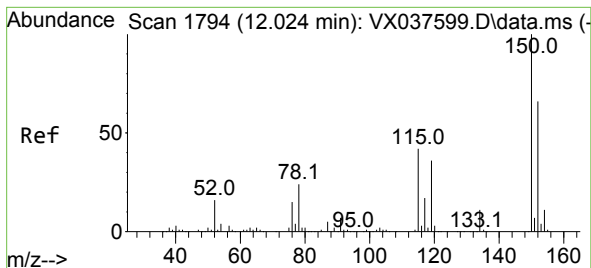
Tgt Ion: 95 Resp: 195087
Ion Ratio Lower Upper
95 100
174 79.2 0.0 135.6
176 76.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Tgt Ion: 117 Resp: 420657
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 33.3 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: VX037716.D

Acq: 14 Sep 2023 07:24

Instrument :

MSVOA_X

ClientSampleId :

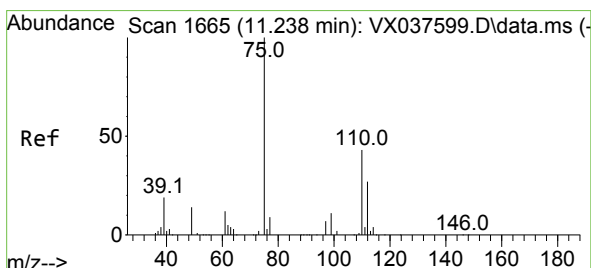
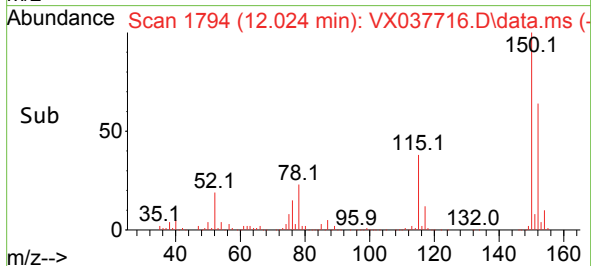
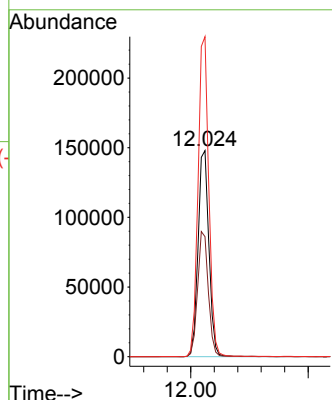
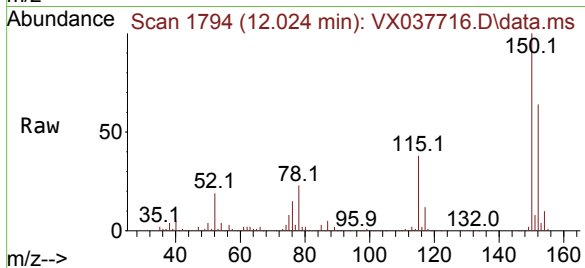
Tgt Ion:152 Resp: 188814

Ion Ratio Lower Upper

152 100

115 60.2 43.3 129.9

150 154.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.070 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037716.D

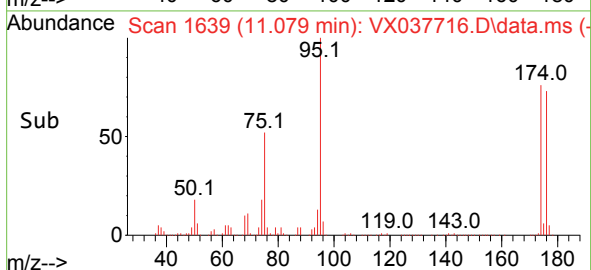
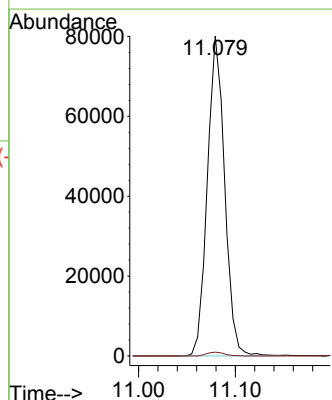
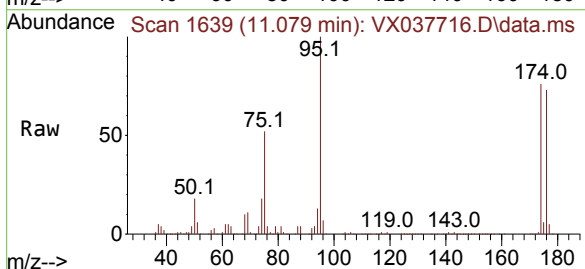
Acq: 14 Sep 2023 07:24

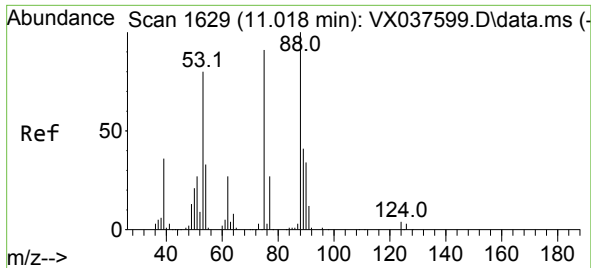
Tgt Ion: 75 Resp: 99914

Ion Ratio Lower Upper

75 100

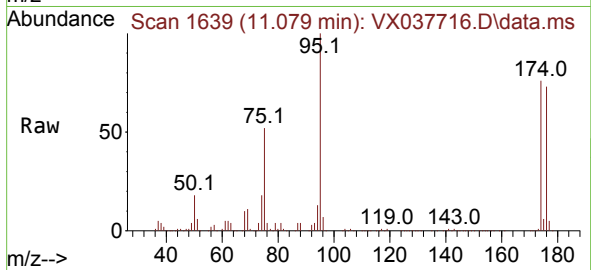
77 1.2 19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 73.165 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037716.D
Acq: 14 Sep 2023 07:24

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 99914
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

