

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX038003.D
 Acq On : 30 Sep 2023 14:54
 Operator : JC/MD
 Sample : 04666-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 02:11:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

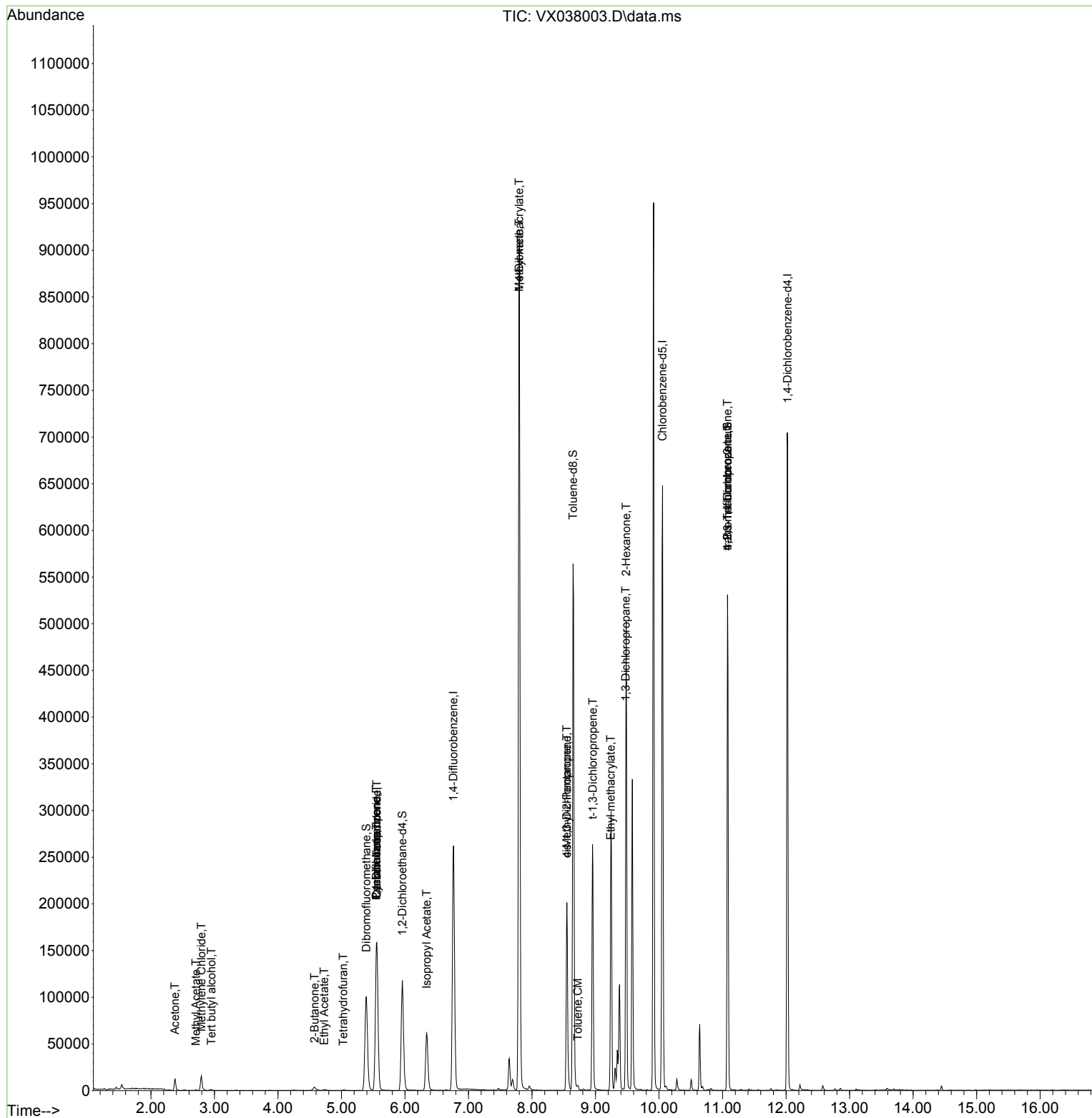
Internal Standards						
1) Pentafluorobenzene	5.550	168	147184	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263937	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	272952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	139243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109399	56.573	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.140%	
35) Dibromofluoromethane	5.391	113	85670	48.510	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.020%	
50) Toluene-d8	8.647	98	330449	50.359	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.720%	
62) 4-Bromofluorobenzene	11.079	95	130037	54.535	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	869	2.094	ug/l #	78
16) Acetone	2.380	43	12933	13.903	ug/l	91
18) Methyl Acetate	2.709	43	798	0.238	ug/l #	72
20) Methylene Chloride	2.794	84	7323	4.235	ug/l	91
25) 2-Butanone	4.574	43	4087	3.113	ug/l	98
29) Tetrahydrofuran	5.026	42	230	0.282	ug/l #	34
31) Cyclohexane	5.550	56	3830	1.543	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	12840	5.278	ug/l #	50
37) Ethyl Acetate	4.727	43	2430	0.909	ug/l #	72
38) Carbon Tetrachloride	5.556	117	15405	6.052	ug/l #	15
43) Isopropyl Acetate	6.342	43	83834	19.603	ug/l	99
48) Methyl methacrylate	7.799	41	80291	39.274	ug/l #	52
49) 1,4-Dioxane	7.799	88	89	1.661	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70402	25.947	ug/l #	48
52) Toluene	8.720	92	1407	0.292	ug/l	97
53) t-1,3-Dichloropropene	8.958	75	685	0.255	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31125	10.450	ug/l #	61
56) Ethyl methacrylate	9.238	69	727	0.240	ug/l #	1
57) 1,3-Dichloropropane	9.476	76	4058	1.234	ug/l #	42
59) 2-Hexanone	9.482	43	56819	26.896	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	73599	22.853	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	73599	73.206	ug/l #	5

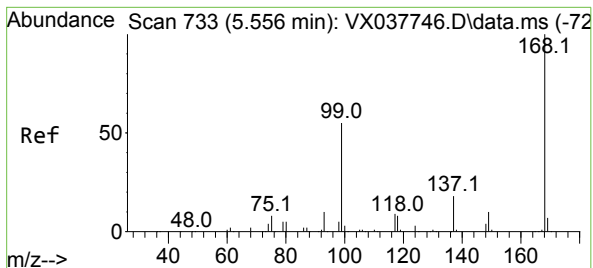
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

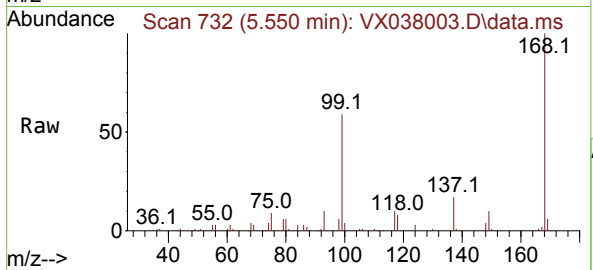
Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

Instrument :

MSVOA_X

ClientSampleId :

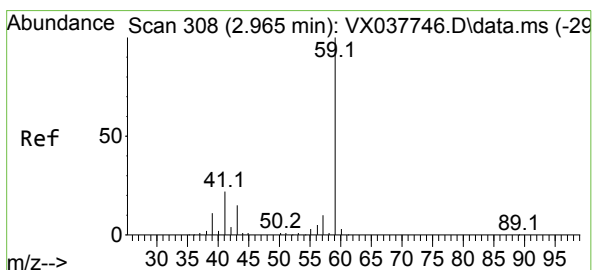
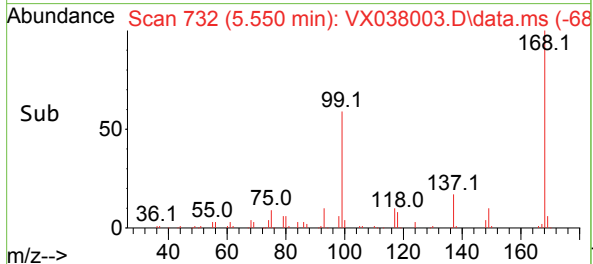
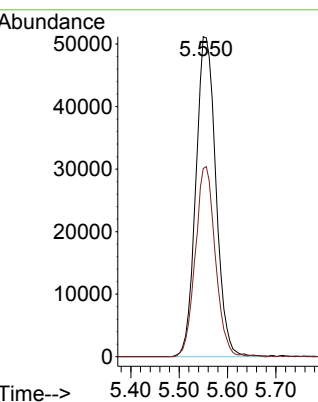


Tgt Ion:168 Resp: 147184

Ion Ratio Lower Upper

168 100

99 58.8 56.6 85.0



#11

Tert butyl alcohol

Concen: 2.094 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX038003.D

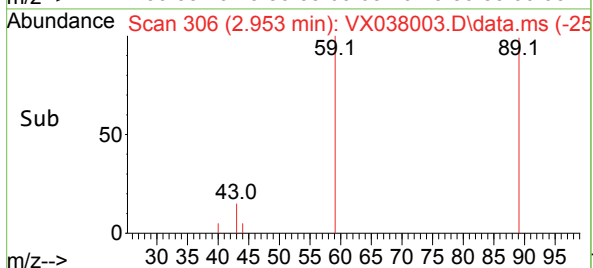
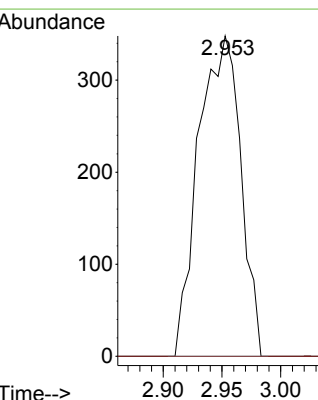
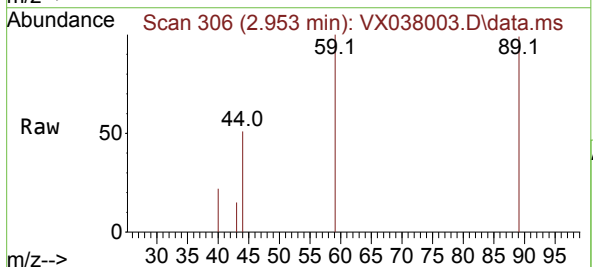
Acq: 30 Sep 2023 14:54

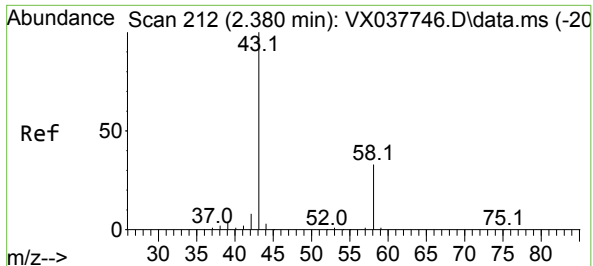
Tgt Ion: 59 Resp: 869

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

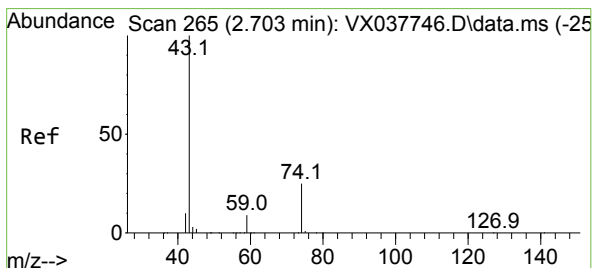
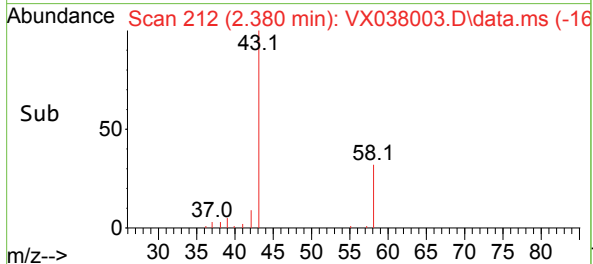
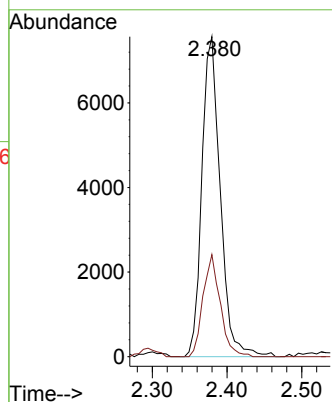
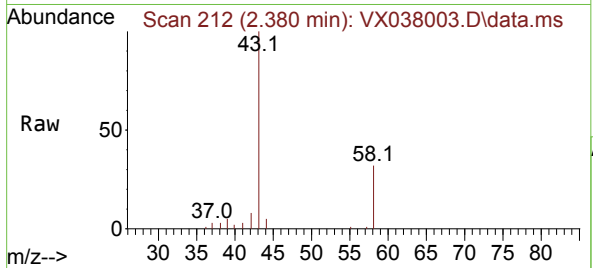




#16
Acetone
Concen: 13.903 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

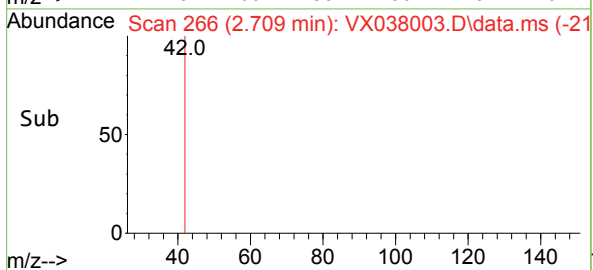
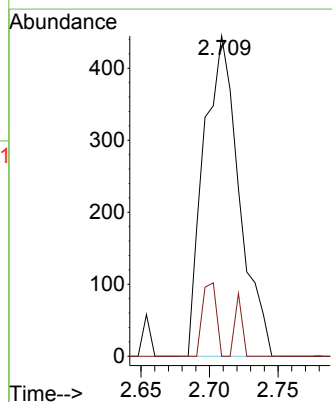
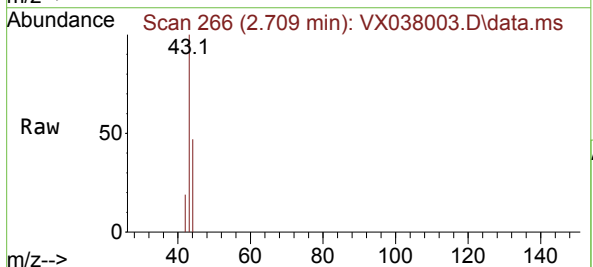
Instrument :
MSVOA_X
ClientSampleId :

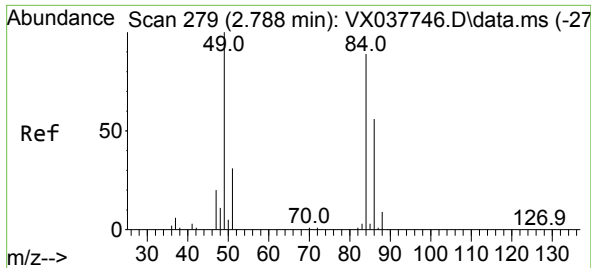
Tgt Ion: 43 Resp: 12933
Ion Ratio Lower Upper
43 100
58 31.9 21.9 32.9



#18
Methyl Acetate
Concen: 0.238 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
74 9.0 17.8 26.8#





#20

Methylene Chloride

Concen: 4.235 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

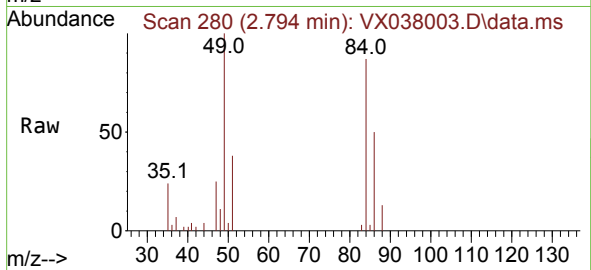
Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 7323

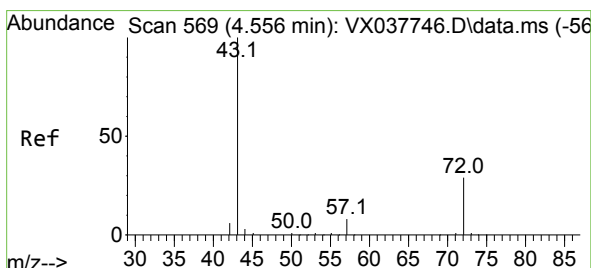
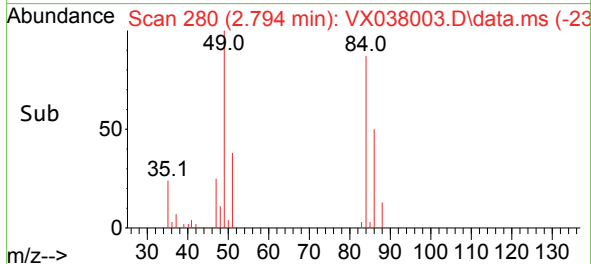
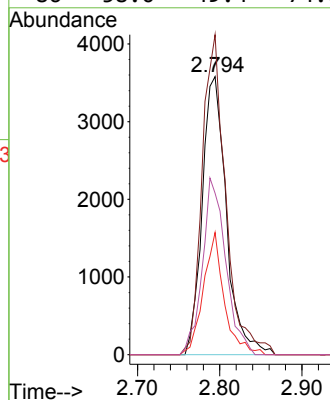
Ion Ratio Lower Upper

84 100

49 115.1 103.6 155.4

51 44.0 33.8 50.6

86 58.0 49.4 74.0



#25

2-Butanone

Concen: 3.113 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX038003.D

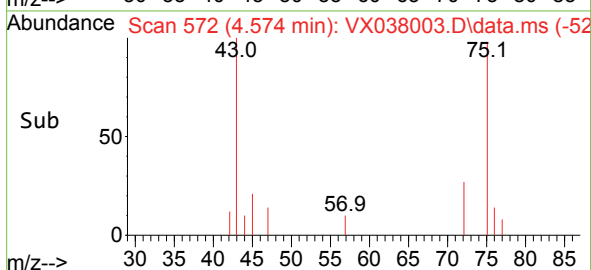
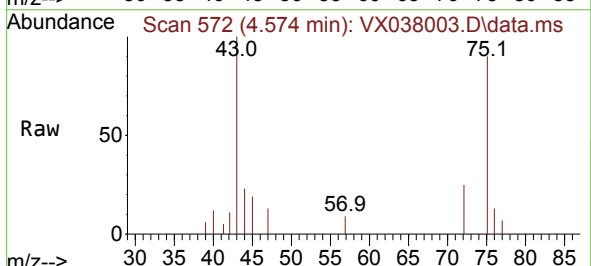
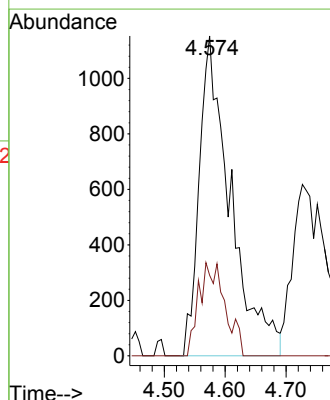
Acq: 30 Sep 2023 14:54

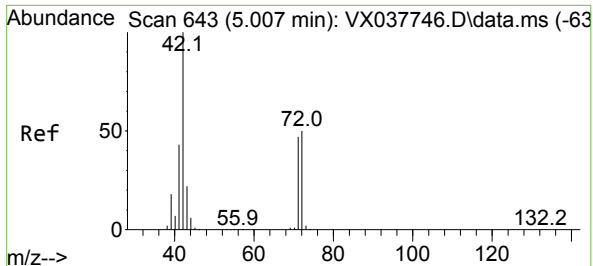
Tgt Ion: 43 Resp: 4087

Ion Ratio Lower Upper

43 100

72 25.2 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.282 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.012 min

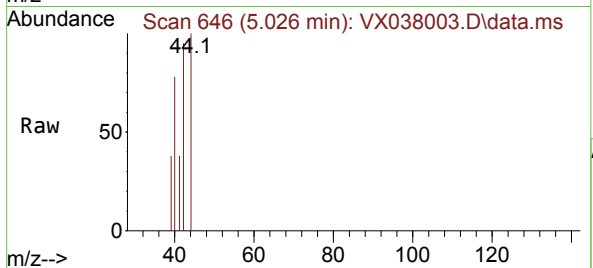
Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

Instrument :

MSVOA_X

ClientSampleId :



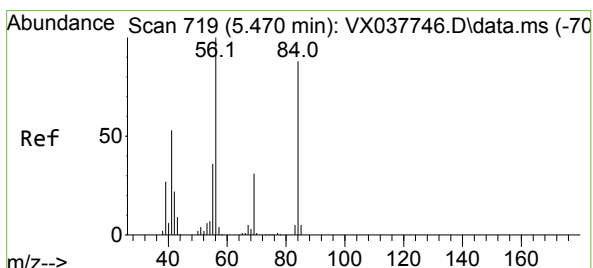
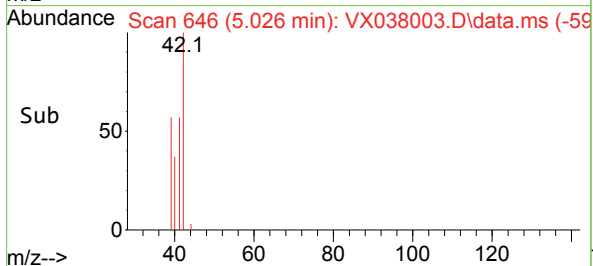
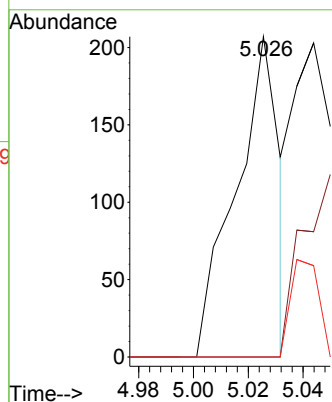
Tgt Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.543 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

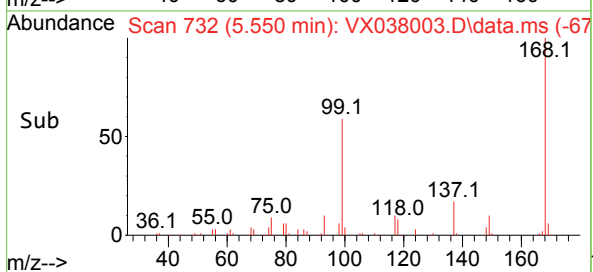
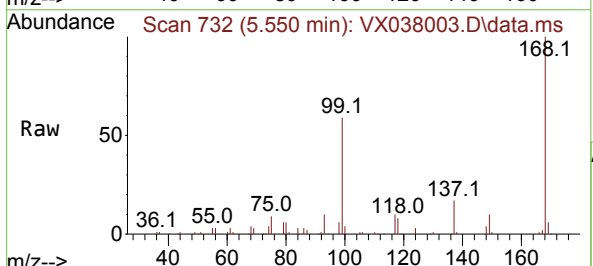
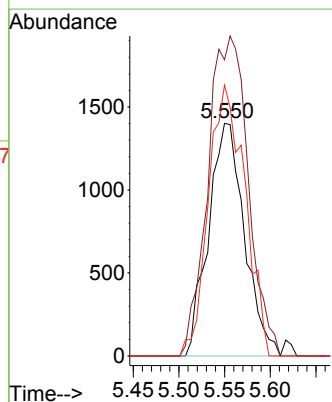
Tgt Ion: 56 Resp: 3830

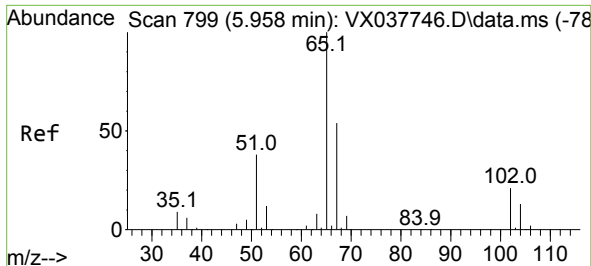
Ion Ratio Lower Upper

56 100

69 127.2 23.4 35.2#

84 116.4 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 56.573 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

Instrument :

MSVOA_X

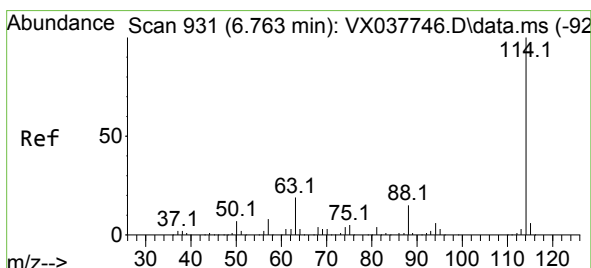
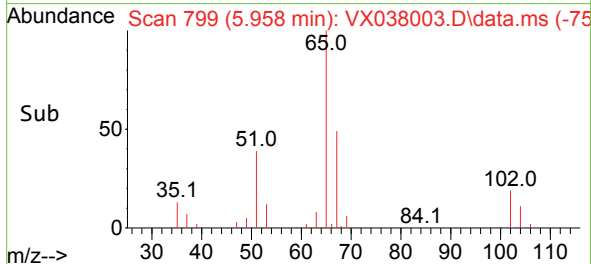
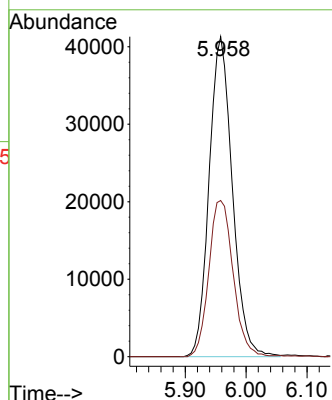
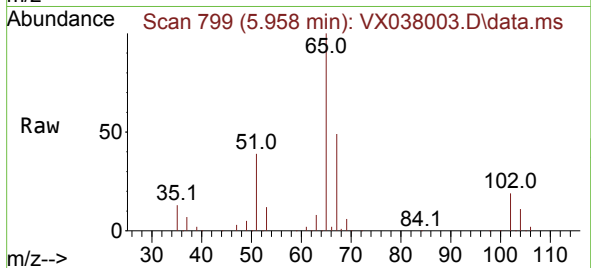
ClientSampleId :

Tgt Ion: 65 Resp: 109399

Ion Ratio Lower Upper

65 100

67 51.0 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: VX038003.D

Acq: 30 Sep 2023 14:54

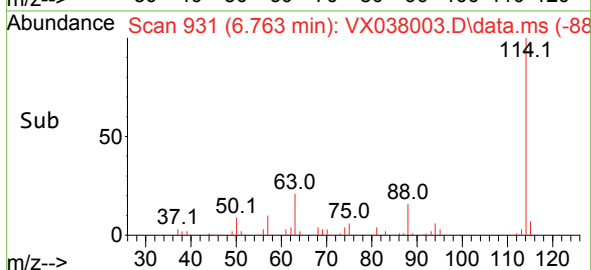
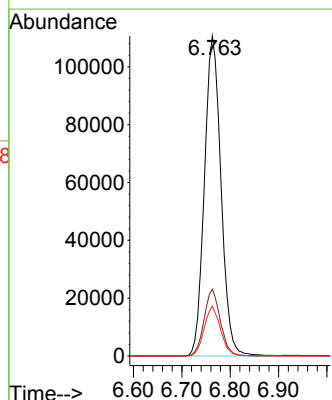
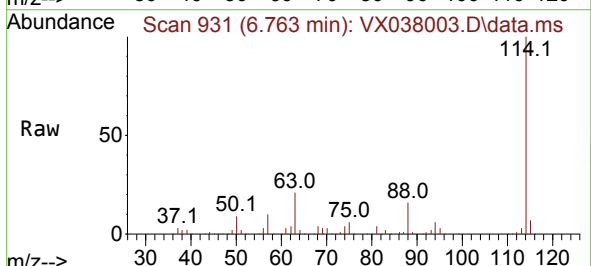
Tgt Ion: 114 Resp: 263937

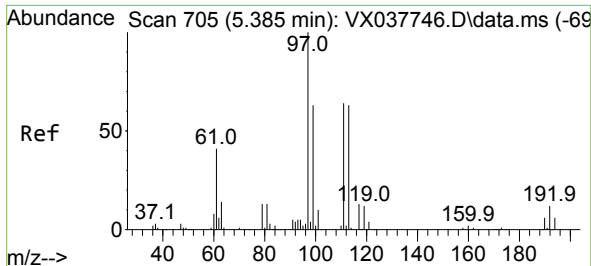
Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.0

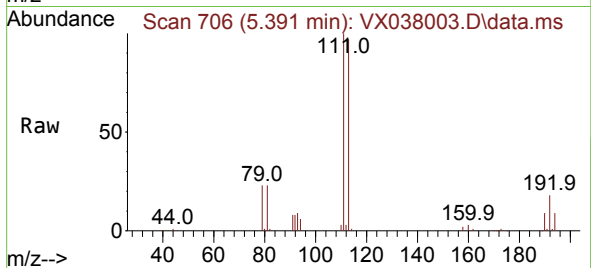
88 15.6 0.0 36.6



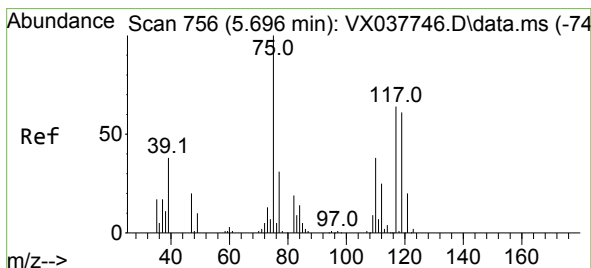
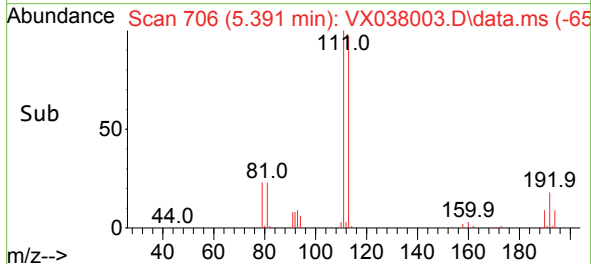
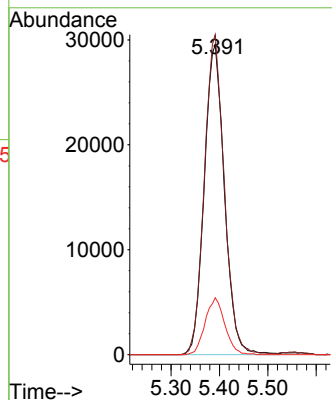


#35
Dibromofluoromethane
Concen: 48.510 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

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ClientSampleId :

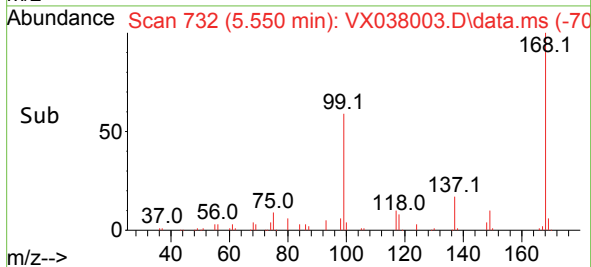
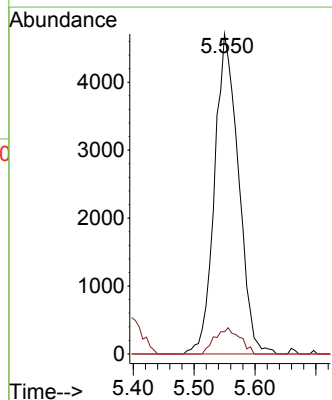
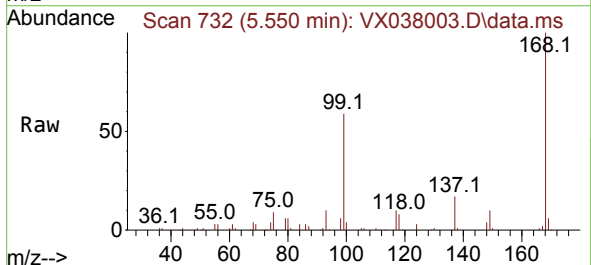


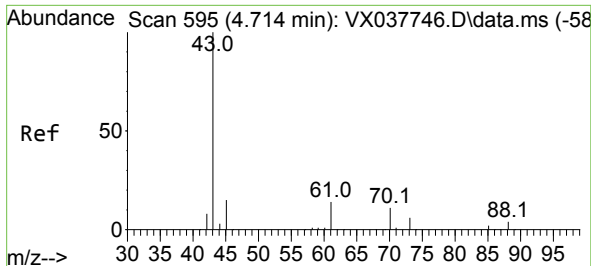
Tgt Ion:113 Resp: 85670
Ion Ratio Lower Upper
113 100
111 102.1 82.9 124.3
192 17.9 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.278 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

Tgt Ion: 75 Resp: 12840
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.909 ug/l

RT: 4.727 min Scan# 595

Delta R.T. -0.006 min

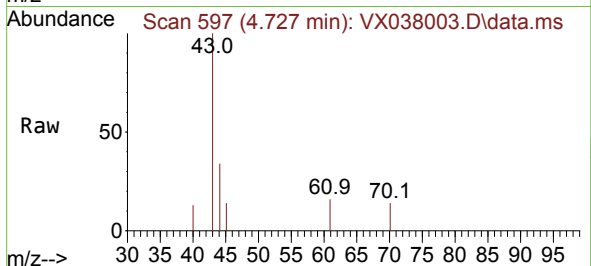
Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

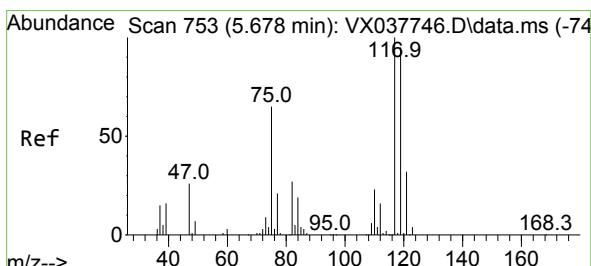
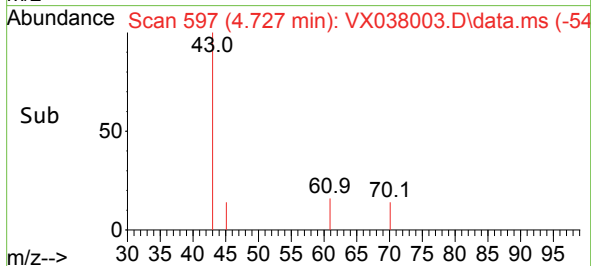
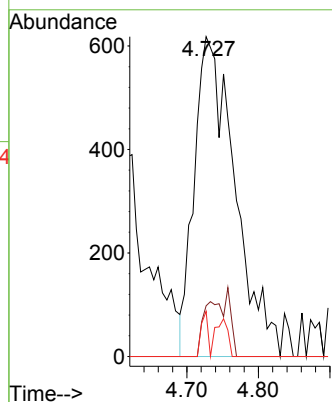
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2430
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	2.3 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.052 ug/l

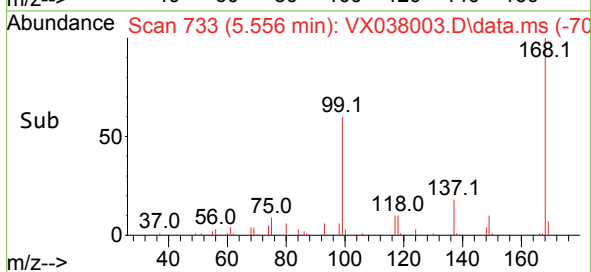
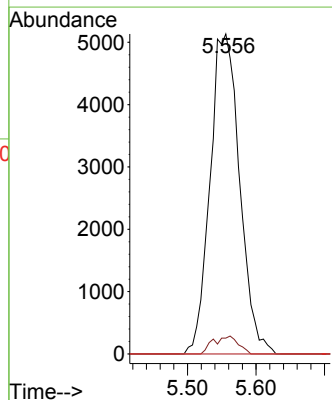
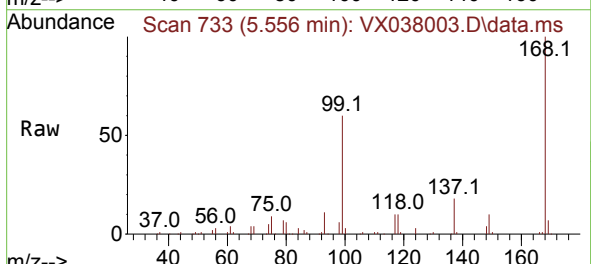
RT: 5.556 min Scan# 733

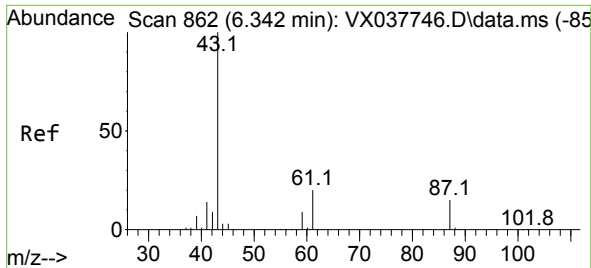
Delta R.T. -0.122 min

Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

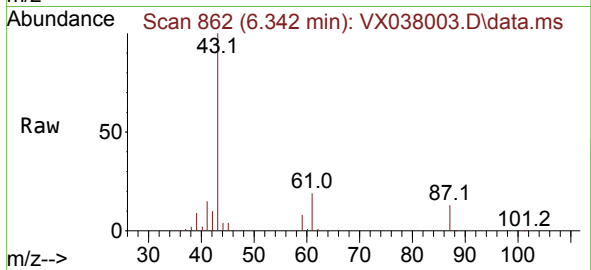
Tgt Ion: 117	Resp: 15405
Ion Ratio	Lower Upper
117	100
119	5.0 78.2 117.2#
121	0.0 24.4 36.6#



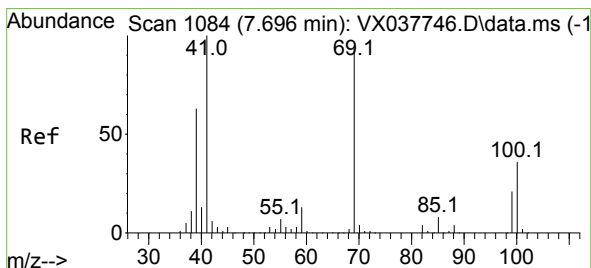
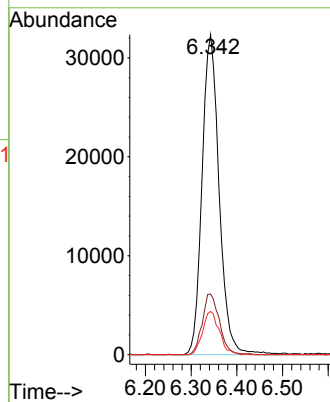
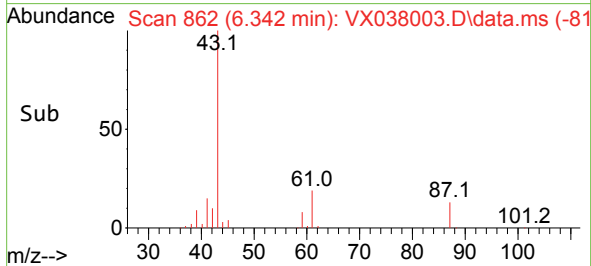


#43
Isopropyl Acetate
Concen: 19.603 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

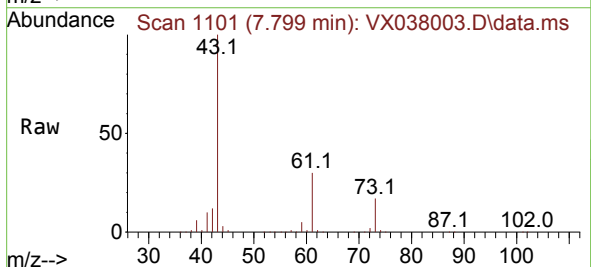
Instrument :
MSVOA_X
ClientSampleId :



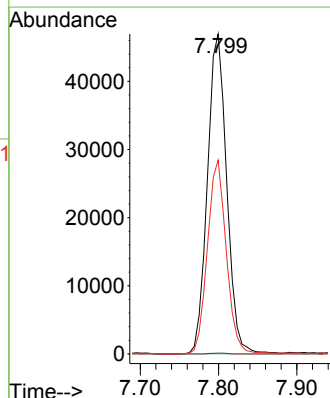
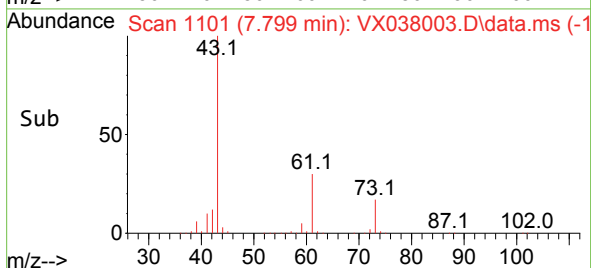
Tgt Ion: 43 Resp: 83834
Ion Ratio Lower Upper
43 100
61 19.1 15.2 22.8
87 13.2 9.8 14.6

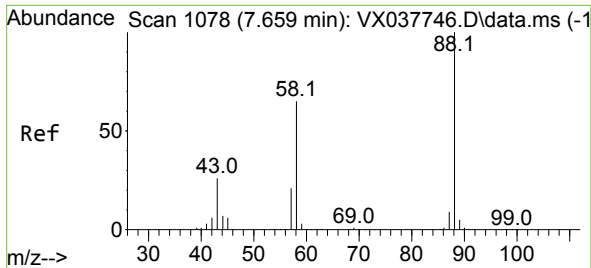


#48
Methyl methacrylate
Concen: 39.274 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54



Tgt Ion: 41 Resp: 80291
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 59.5 47.7 71.5





#49

1,4-Dioxane

Concen: 1.661 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

Instrument :

MSVOA_X

ClientSampleId :

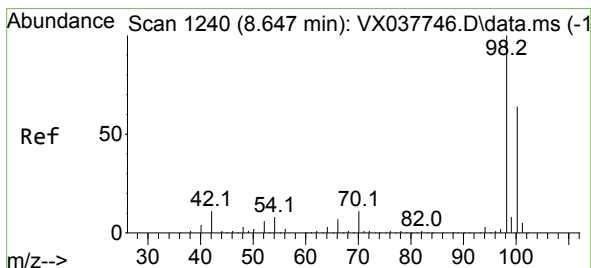
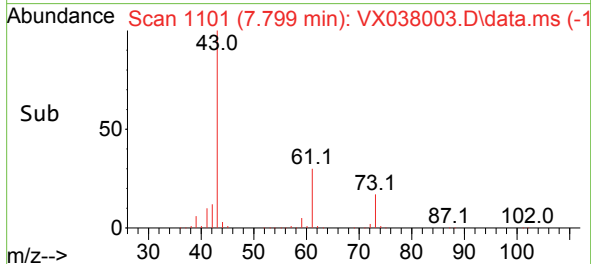
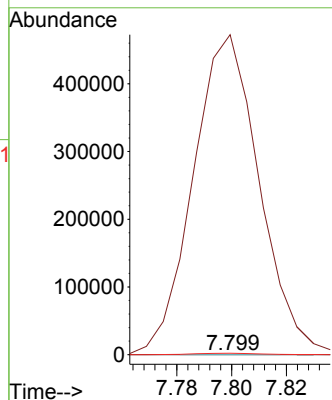
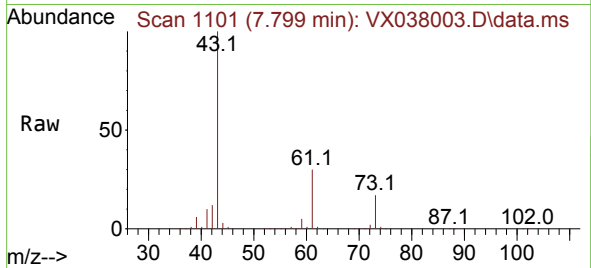
Tgt Ion: 88 Resp: 89

Ion Ratio Lower Upper

88 100

43 900091.0 0.0 0.0#

58 3949.4 60.1 90.1#



#50

Toluene-d8

Concen: 50.359 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX038003.D

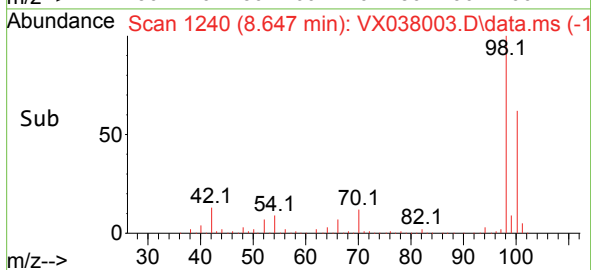
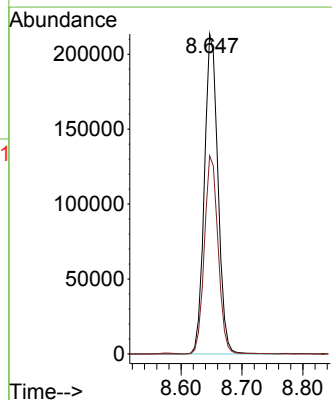
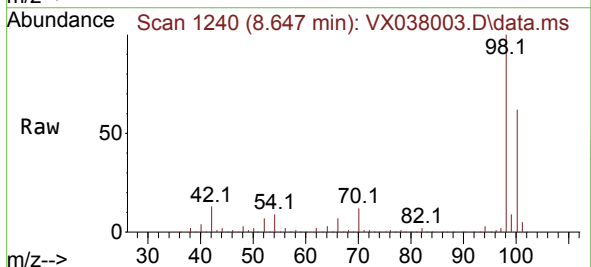
Acq: 30 Sep 2023 14:54

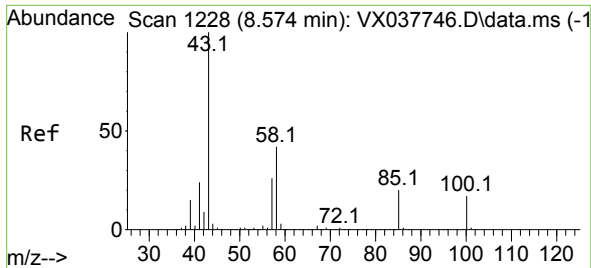
Tgt Ion: 98 Resp: 330449

Ion Ratio Lower Upper

98 100

100 62.6 53.1 79.7

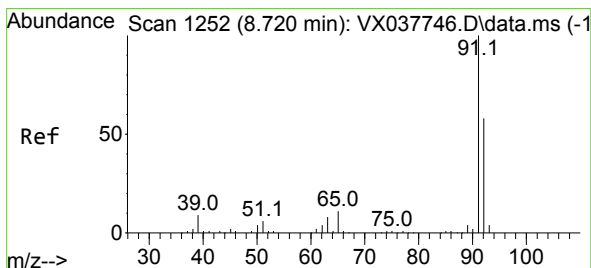
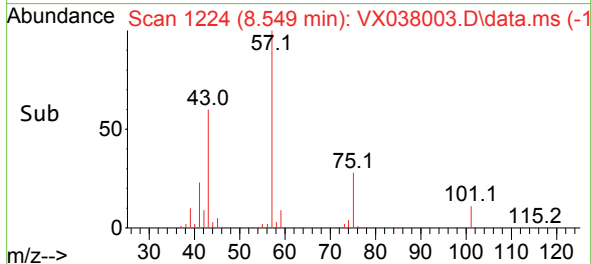
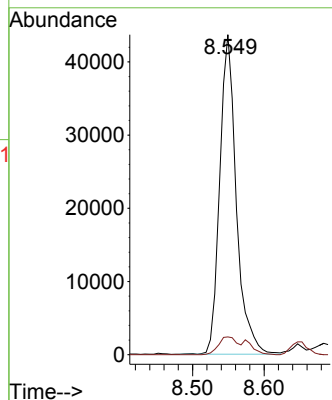
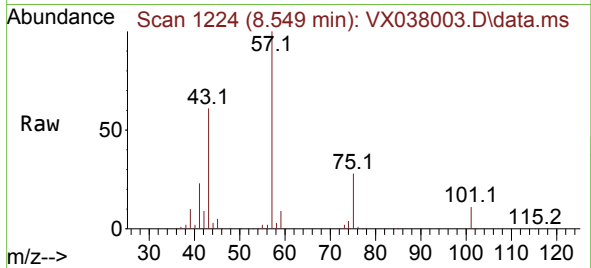




#51
4-Methyl-2-Pentanone
Concen: 25.947 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

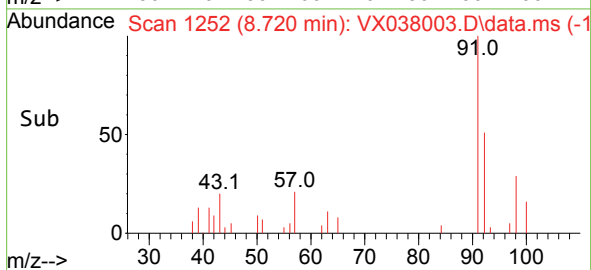
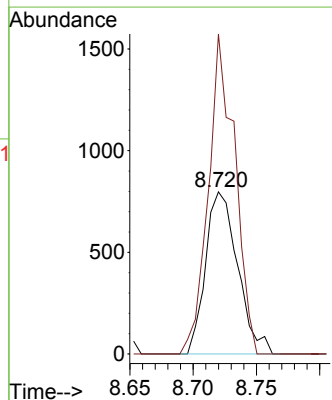
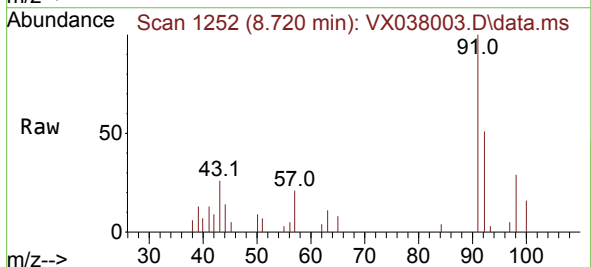
Instrument :
MSVOA_X
ClientSampleId :

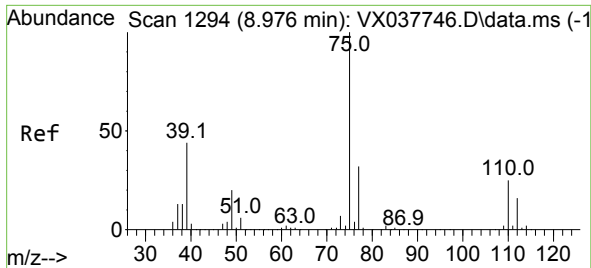
Tgt Ion: 43 Resp: 70402
Ion Ratio Lower Upper
43 100
58 6.5 30.4 45.6#



#52
Toluene
Concen: 0.292 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

Tgt Ion: 92 Resp: 1407
Ion Ratio Lower Upper
92 100
91 163.5 134.2 201.2

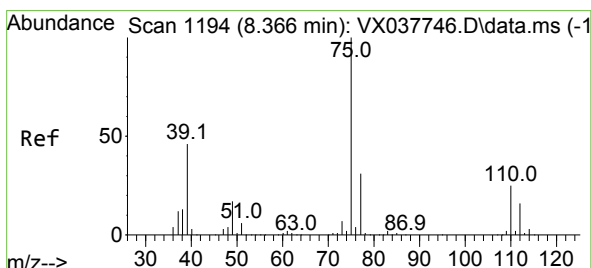
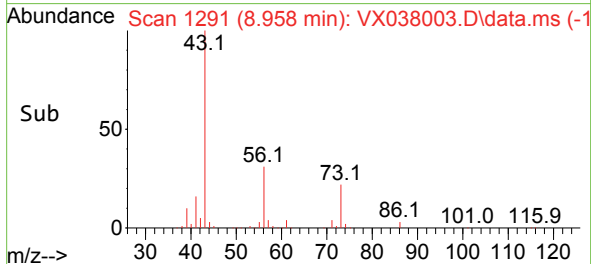
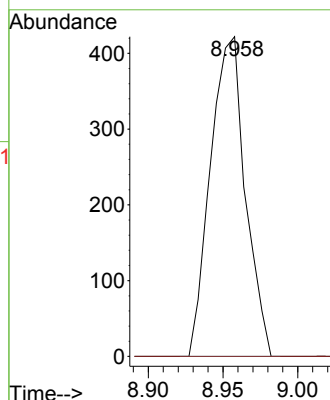
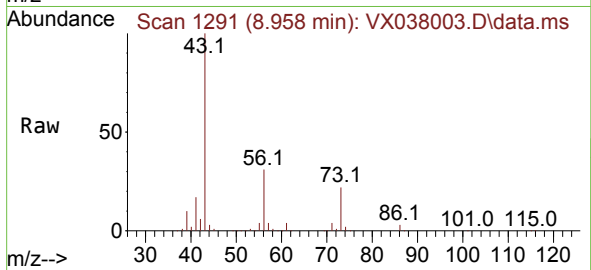




#53
 t-1,3-Dichloropropene
 Concen: 0.255 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.031 min
 Lab File: VX038003.D
 Acq: 30 Sep 2023 14:54

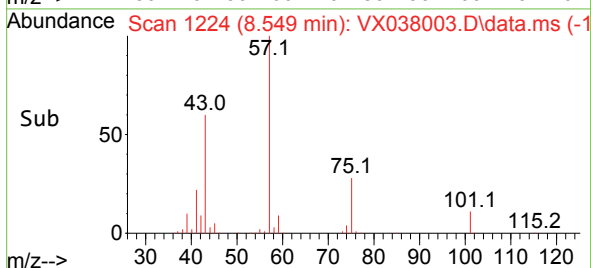
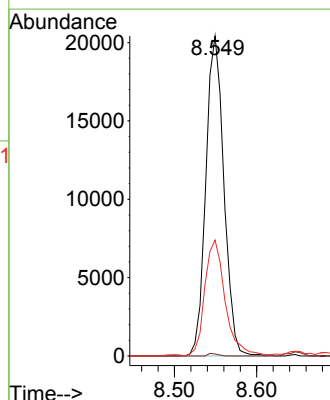
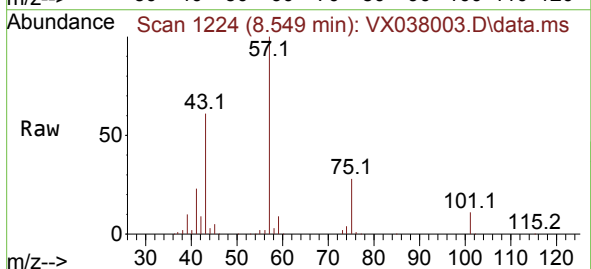
Instrument :
 MSVOA_X
 ClientSampleId :

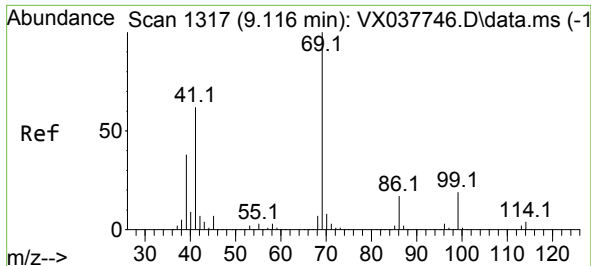
Tgt Ion: 75 Resp: 685
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 10.450 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.177 min
 Lab File: VX038003.D
 Acq: 30 Sep 2023 14:54

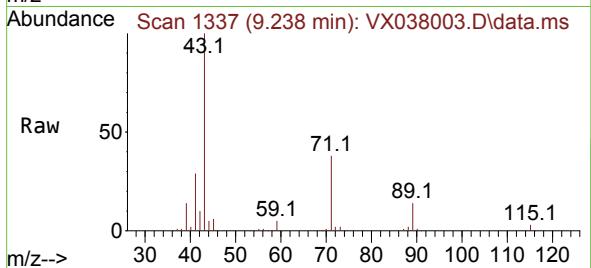
Tgt Ion: 75 Resp: 31125
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.3 37.9#
 39 35.9 46.7 70.1#



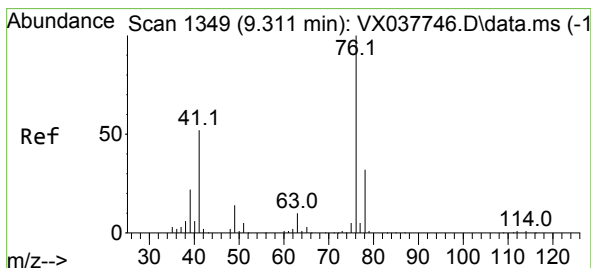
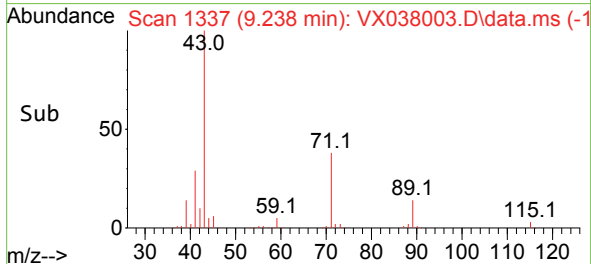
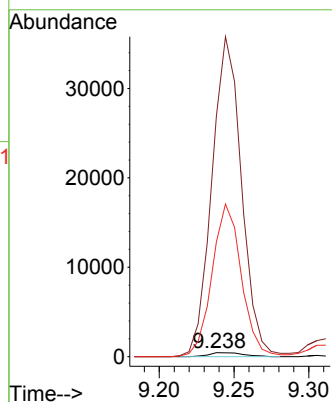


#56
Ethyl methacrylate
Concen: 0.240 ug/l
RT: 9.238 min Scan# 1337
Delta R.T. 0.116 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

Instrument :
MSVOA_X
ClientSampleId :

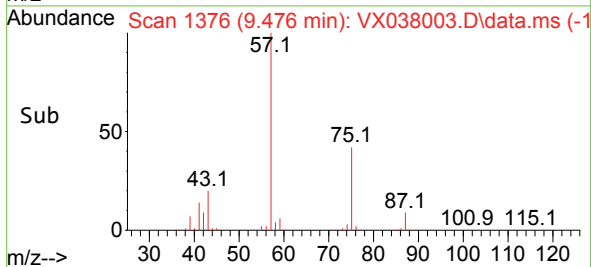
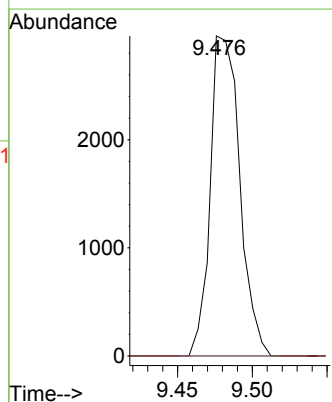
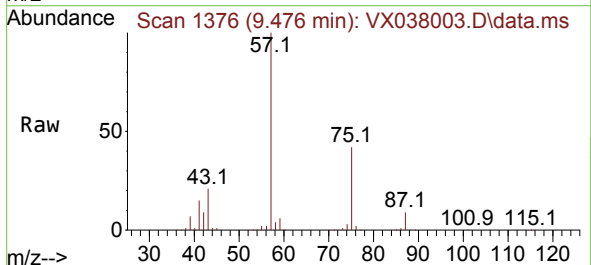


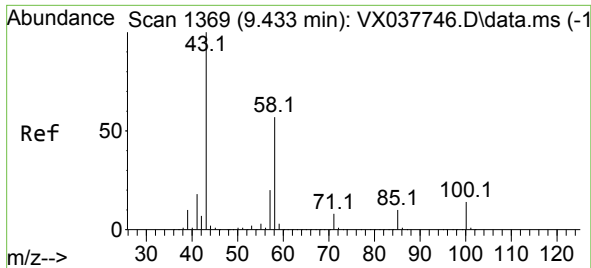
Tgt Ion: 69 Resp: 727
Ion Ratio Lower Upper
69 100
41 6804.8 56.8 85.2#
39 3198.1 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.234 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.171 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

Tgt Ion: 76 Resp: 4058
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

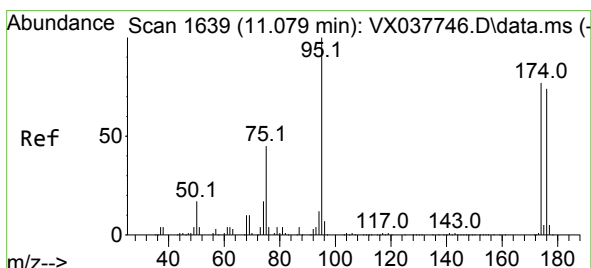
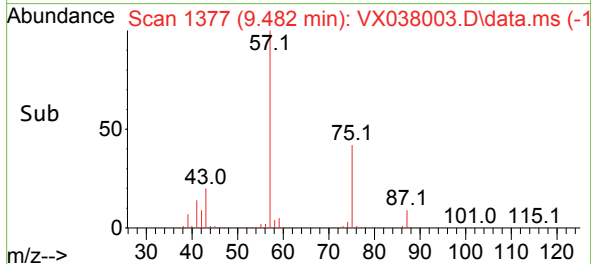
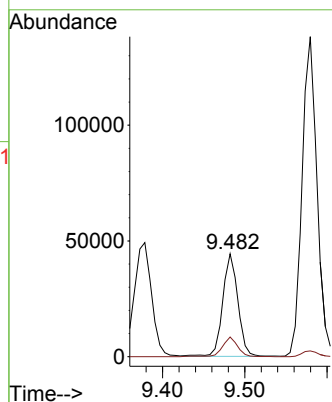
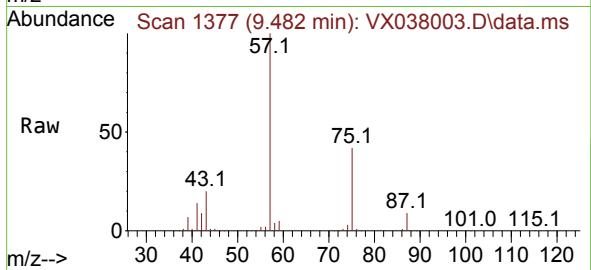




#59
2-Hexanone
Concen: 26.896 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

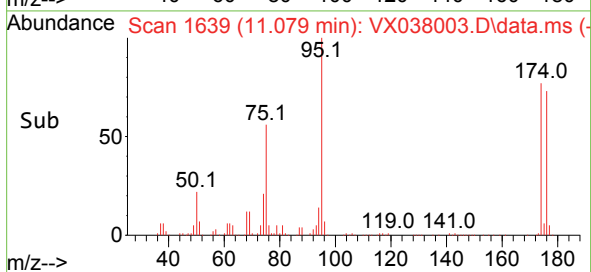
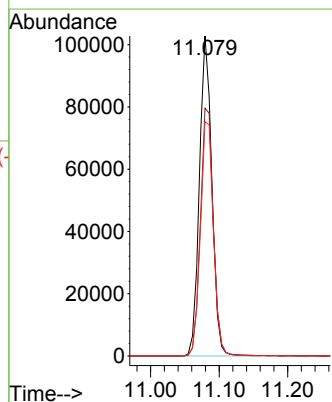
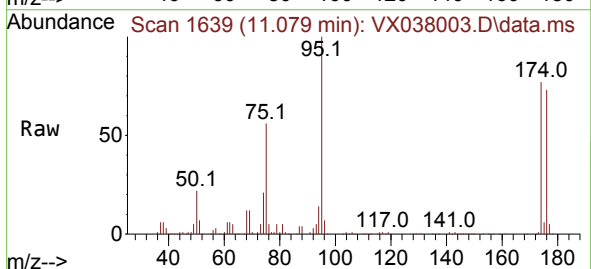
Instrument :
MSVOA_X
ClientSampleId :

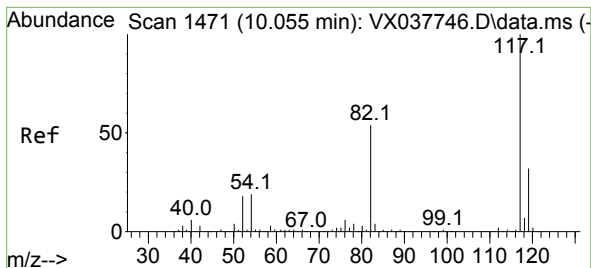
Tgt Ion: 43 Resp: 56819
Ion Ratio Lower Upper
43 100
58 18.7 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 54.535 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

Tgt Ion: 95 Resp: 130037
Ion Ratio Lower Upper
95 100
174 80.6 0.0 135.6
176 76.7 0.0 131.0

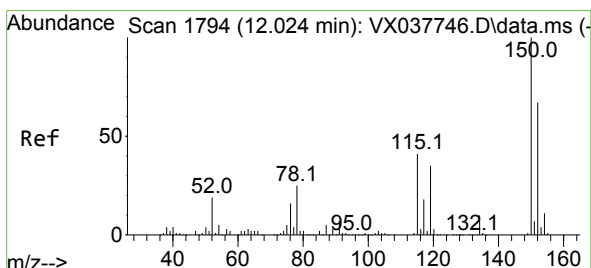
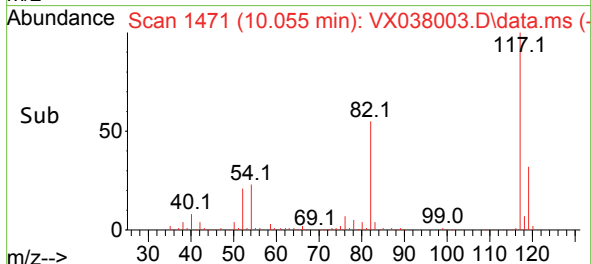
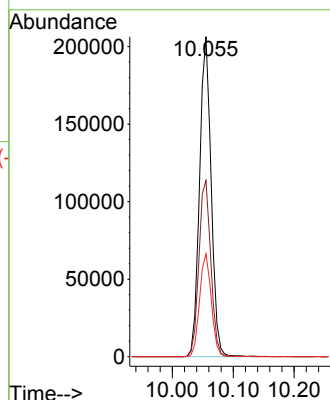
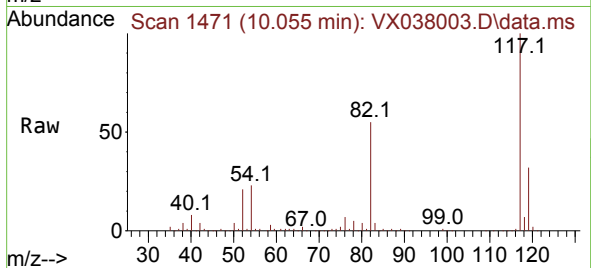




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

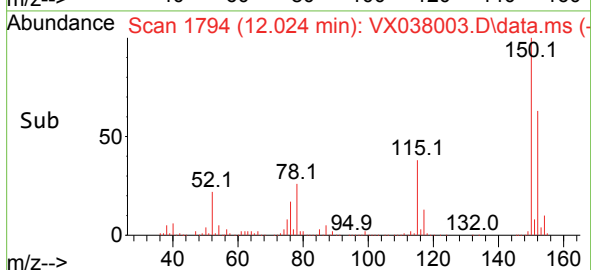
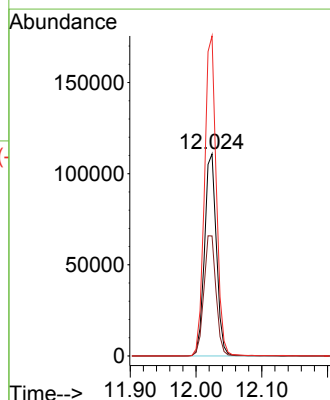
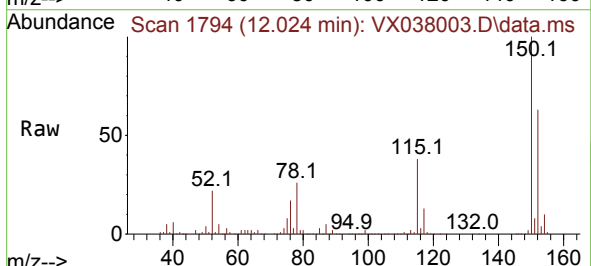
Instrument :
MSVOA_X
ClientSampleId :

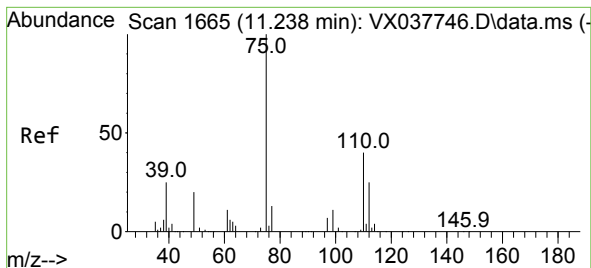
Tgt Ion:117 Resp: 272952
Ion Ratio Lower Upper
117 100
82 55.1 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX038003.D
Acq: 30 Sep 2023 14:54

Tgt Ion:152 Resp: 139243
Ion Ratio Lower Upper
152 100
115 60.9 43.3 129.9
150 157.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.853 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

Instrument :

MSVOA_X

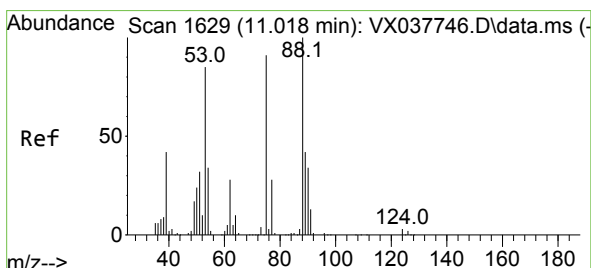
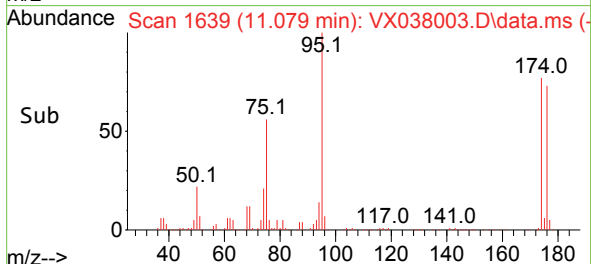
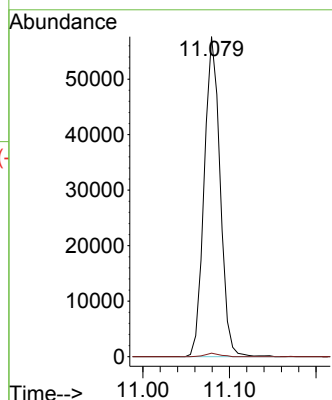
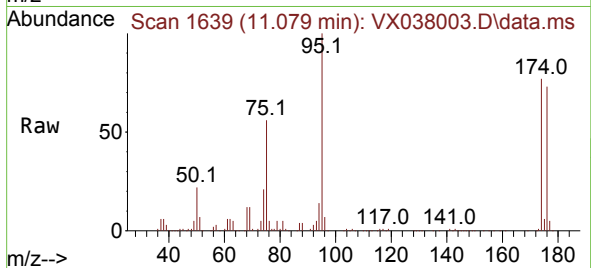
ClientSampleId :

Tgt Ion: 75 Resp: 73599

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.206 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038003.D

Acq: 30 Sep 2023 14:54

Tgt Ion: 75 Resp: 73599

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

