

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX038016.D
 Acq On : 30 Sep 2023 19:54
 Operator : JC/MD
 Sample : 04652-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 02:18:22 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)

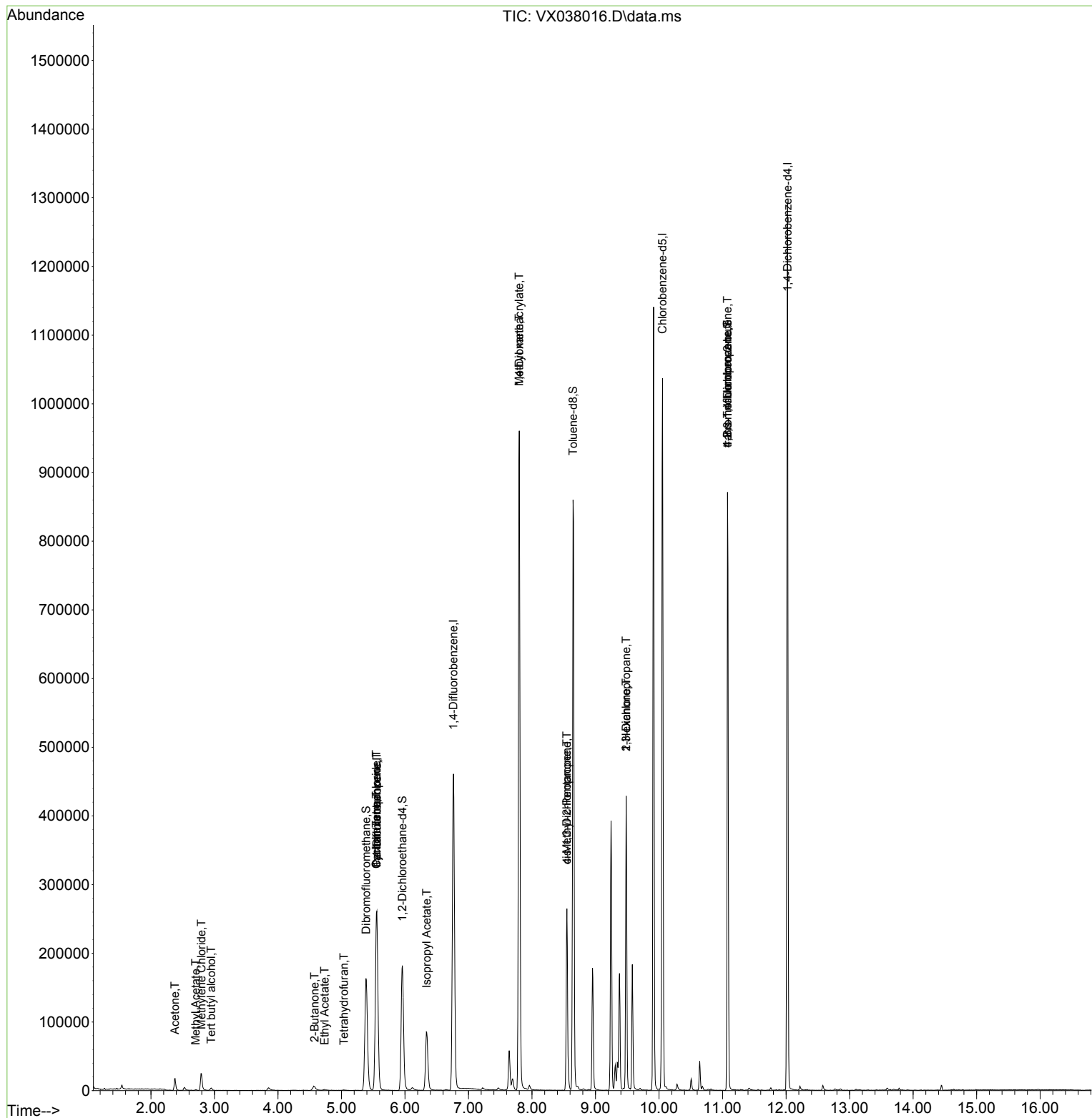
Internal Standards						
1) Pentafluorobenzene	5.556	168	249267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	493673	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	467160	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	275154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	174942	53.418	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.840%			
35) Dibromofluoromethane	5.385	113	142057	43.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.020%			
50) Toluene-d8	8.647	98	519565	42.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 84.660%#			
62) 4-Bromofluorobenzene	11.079	95	222134	49.807	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.620%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	2333	3.319	ug/l #	78
16) Acetone	2.380	43	18661	11.845	ug/l	90
18) Methyl Acetate	2.703	43	1536	0.270	ug/l	98
20) Methylene Chloride	2.794	84	12723	4.345	ug/l	90
25) 2-Butanone	4.574	43	6228	2.801	ug/l #	88
29) Tetrahydrofuran	5.038	42	593	0.429	ug/l #	62
31) Cyclohexane	5.550	56	5318	1.265	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	19687	4.327	ug/l #	51
37) Ethyl Acetate	4.733	43	2165	0.433	ug/l #	91
38) Carbon Tetrachloride	5.550	117	25644	5.386	ug/l #	15
43) Isopropyl Acetate	6.342	43	116972	14.624	ug/l #	95
48) Methyl methacrylate	7.799	41	83888	21.938	ug/l #	49
49) 1,4-Dioxane	7.799	88	108	1.077	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	88491	17.437	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	41797	7.502	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3566	0.580	ug/l #	42
59) 2-Hexanone	9.482	43	46240	11.702	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	112694	17.708	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	112694	56.725	ug/l #	5

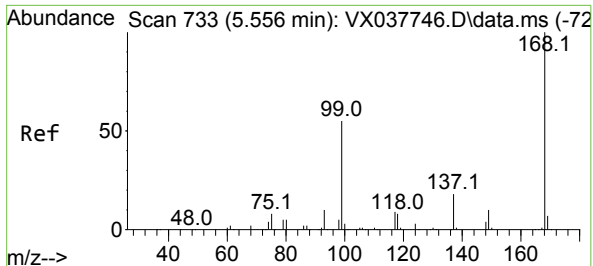
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration

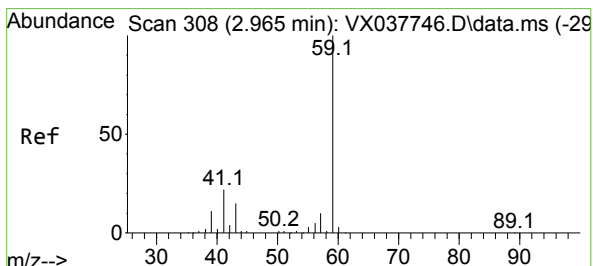
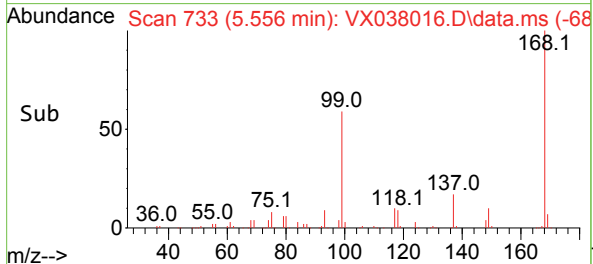
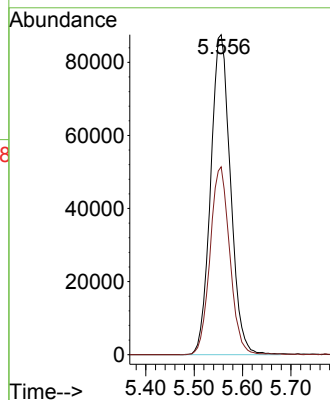
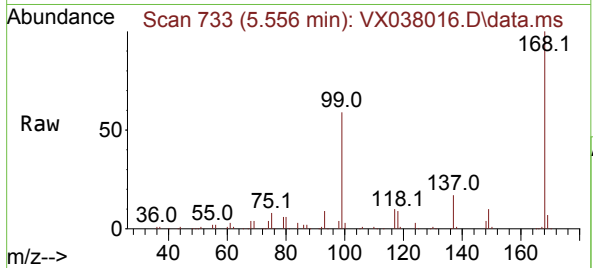




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

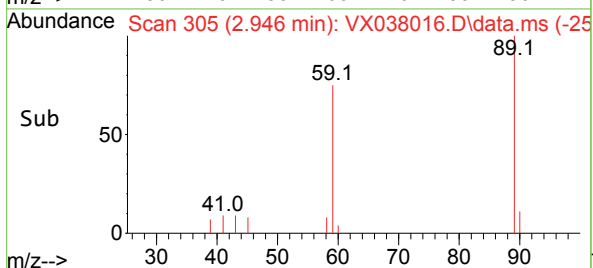
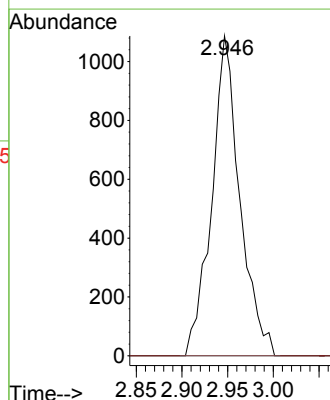
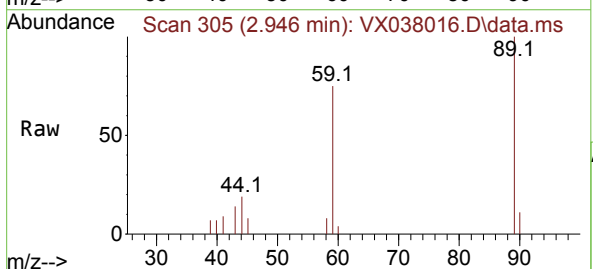
Instrument :
MSVOA_X
ClientSampleId :

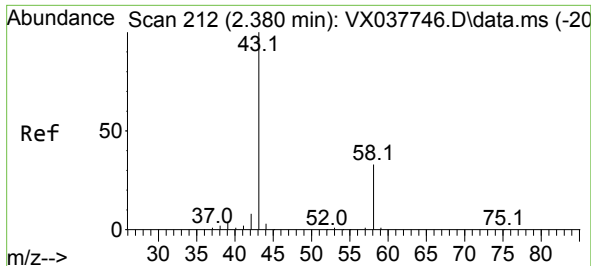
Tgt Ion:168 Resp: 249267
Ion Ratio Lower Upper
168 100
99 58.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 3.319 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

Tgt Ion: 59 Resp: 2333
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

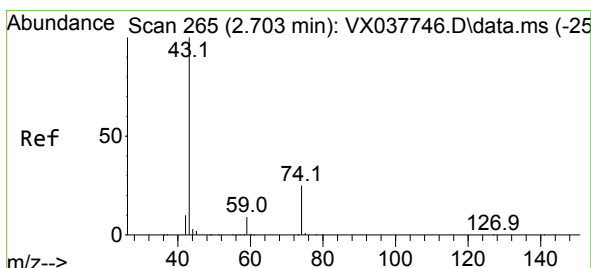
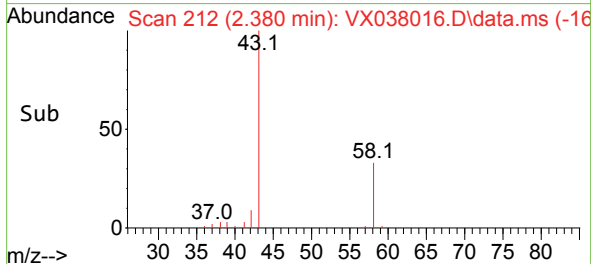
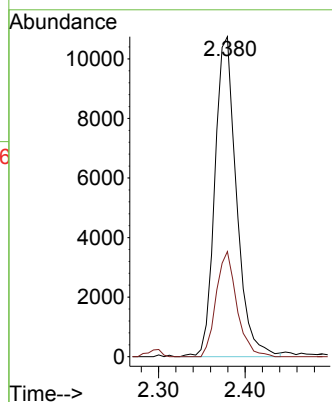
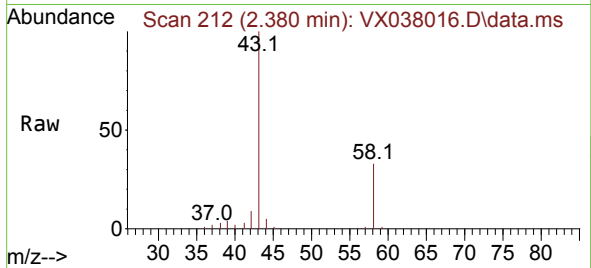




#16
Acetone
Concen: 11.845 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

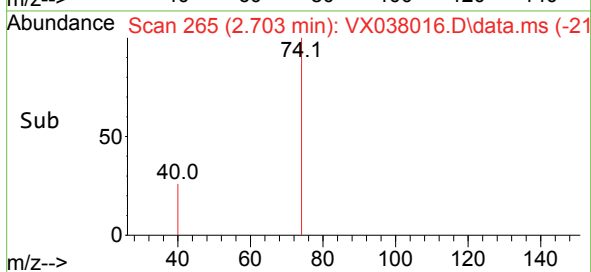
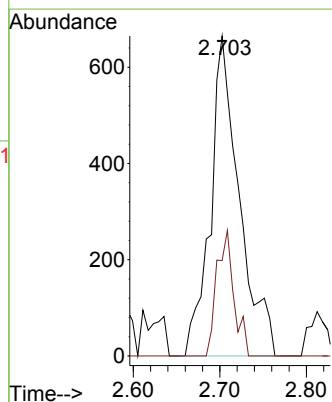
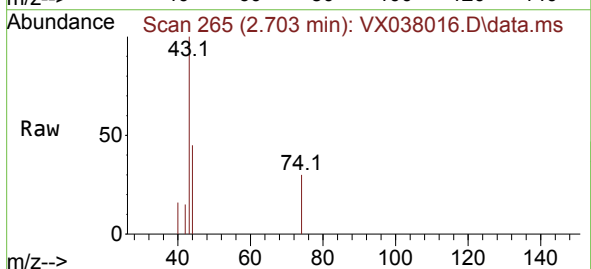
Instrument :
MSVOA_X
ClientSampleId :

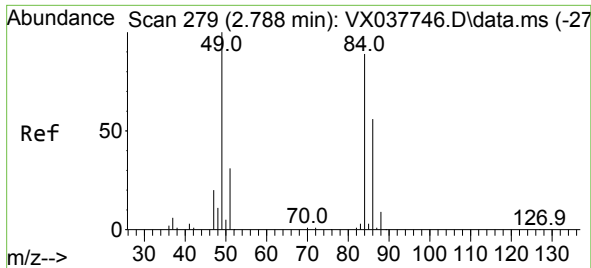
Tgt Ion: 43 Resp: 18661
Ion Ratio Lower Upper
43 100
58 32.9 21.9 32.9



#18
Methyl Acetate
Concen: 0.270 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

Tgt Ion: 43 Resp: 1536
Ion Ratio Lower Upper
43 100
74 23.4 17.8 26.8





#20

Methylene Chloride

Concen: 4.345 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

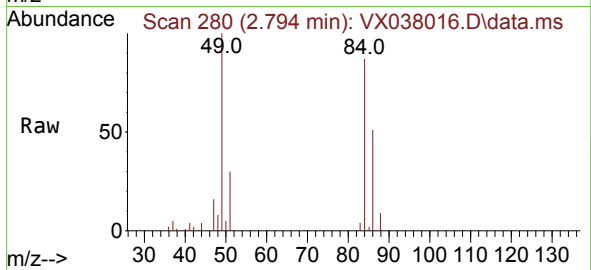
Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 12723

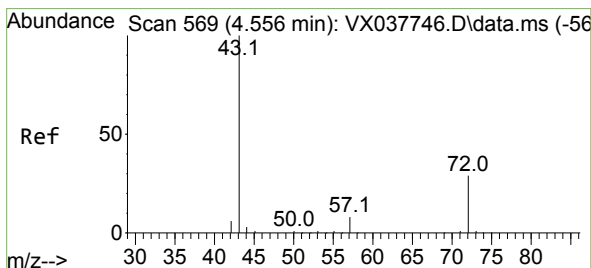
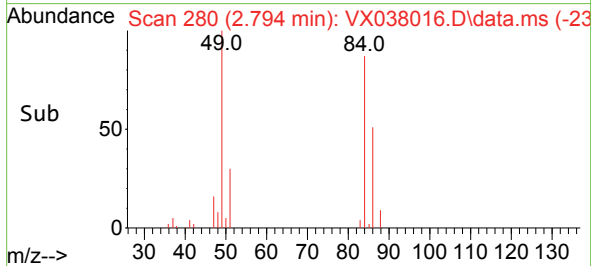
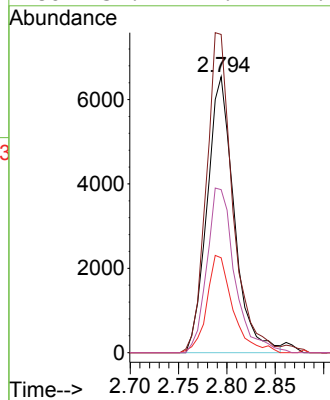
Ion Ratio Lower Upper

84 100

49 115.3 103.6 155.4

51 34.4 33.8 50.6

86 59.1 49.4 74.0



#25

2-Butanone

Concen: 2.801 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.006 min

Lab File: VX038016.D

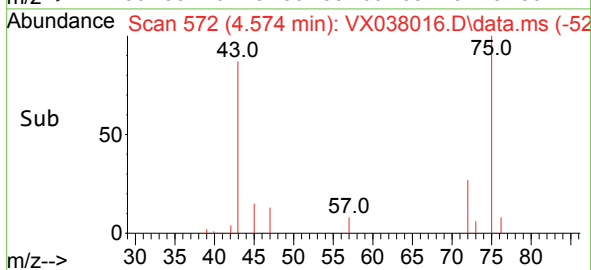
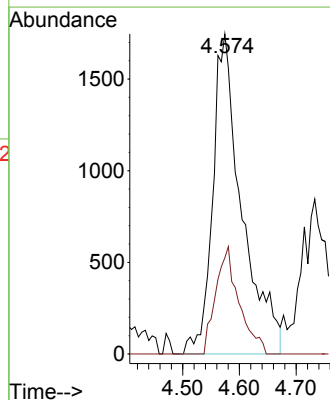
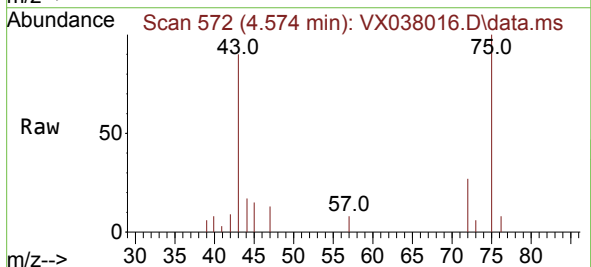
Acq: 30 Sep 2023 19:54

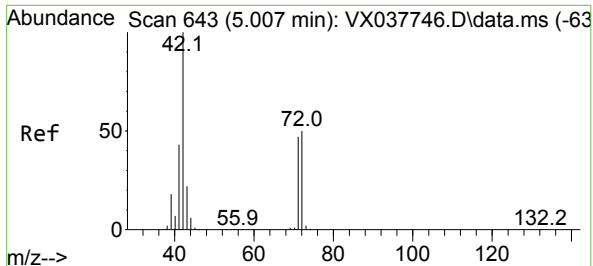
Tgt Ion: 43 Resp: 6228

Ion Ratio Lower Upper

43 100

72 30.1 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.429 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.024 min

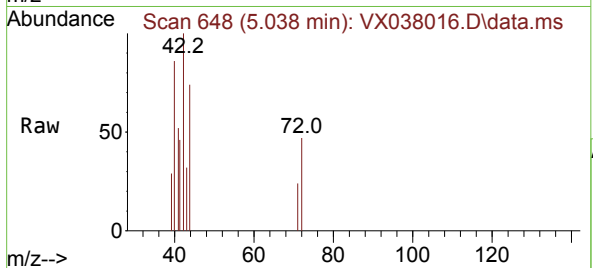
Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :



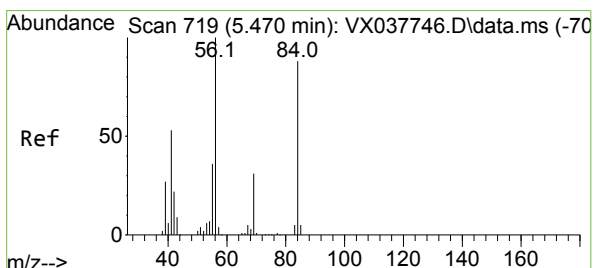
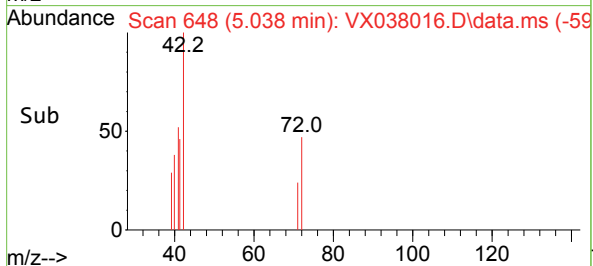
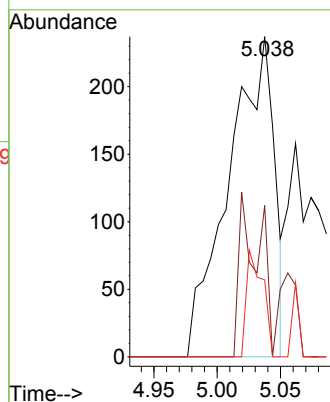
Tgt Ion: 42 Resp: 593

Ion Ratio Lower Upper

42 100

72 22.6 34.2 51.4#

71 12.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.265 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

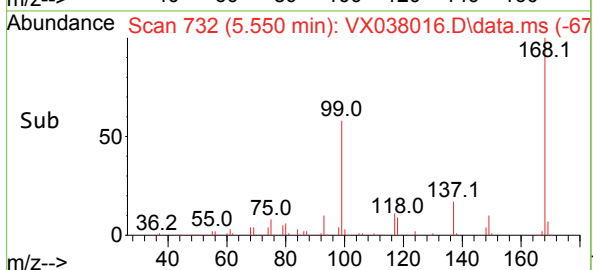
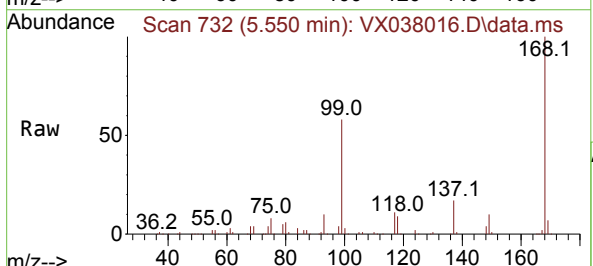
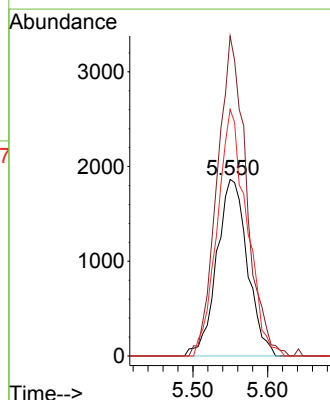
Tgt Ion: 56 Resp: 5318

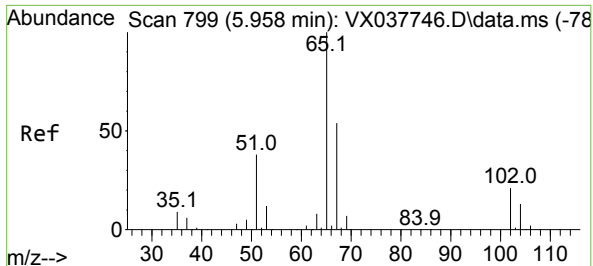
Ion Ratio Lower Upper

56 100

69 181.4 23.4 35.2#

84 139.7 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 53.418 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

Instrument :

MSVOA_X

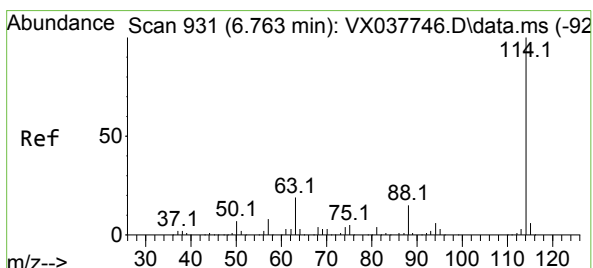
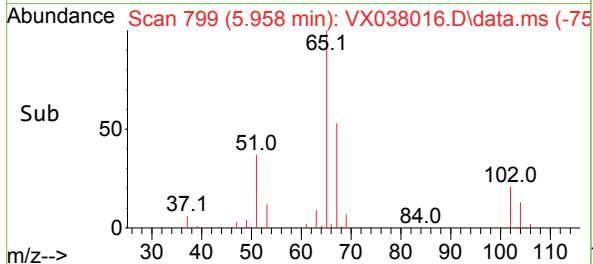
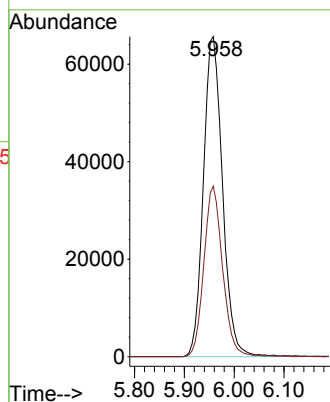
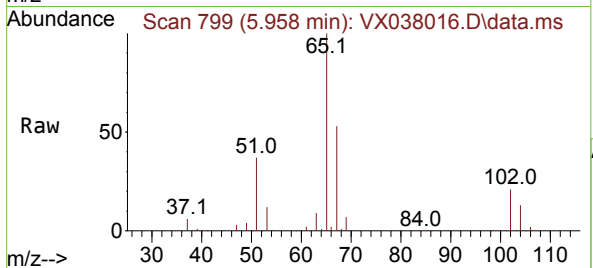
ClientSampleId :

Tgt Ion: 65 Resp: 174942

Ion Ratio Lower Upper

65 100

67 52.1 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: VX038016.D

Acq: 30 Sep 2023 19:54

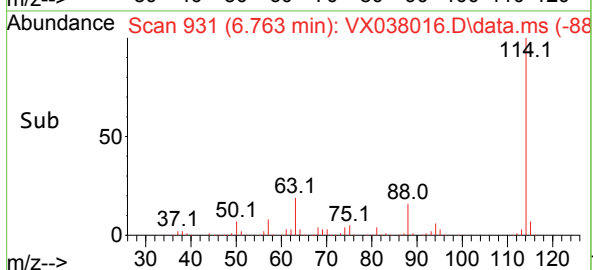
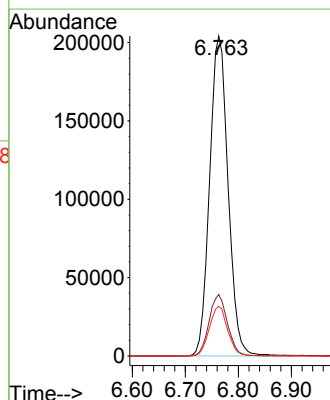
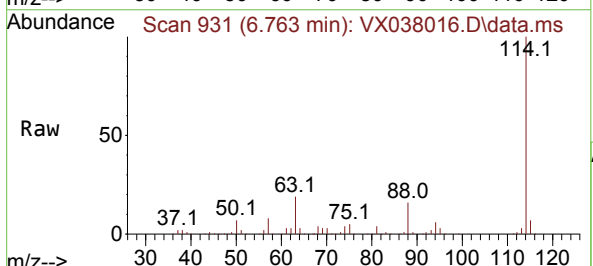
Tgt Ion: 114 Resp: 493673

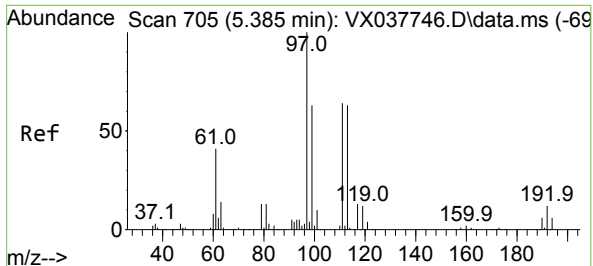
Ion Ratio Lower Upper

114 100

63 19.2 0.0 45.0

88 15.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 43.006 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

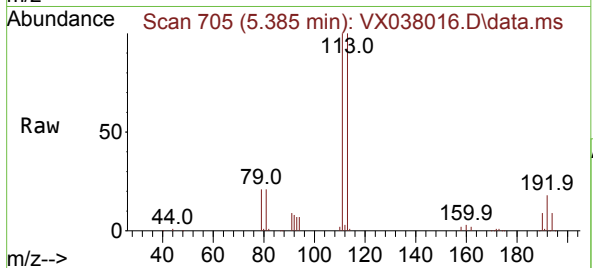
Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

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MSVOA_X

ClientSampleId :



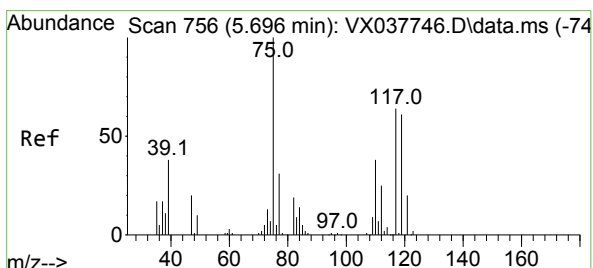
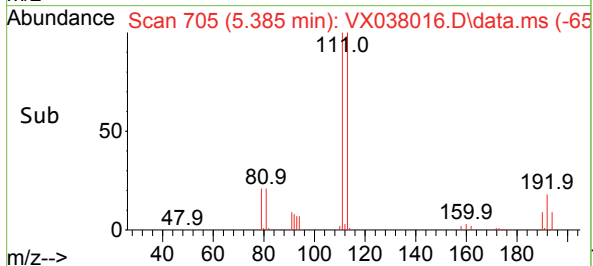
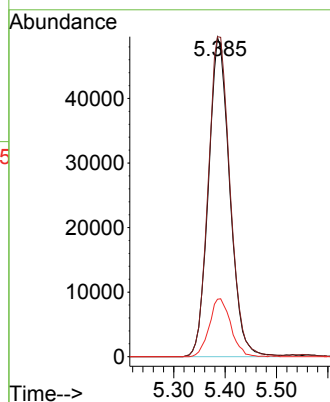
Tgt Ion:113 Resp: 142057

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

192 18.4 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.327 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

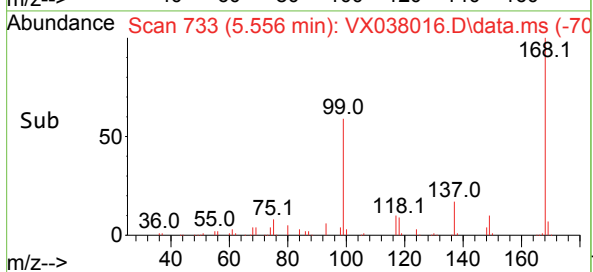
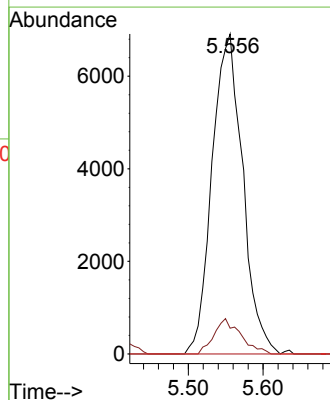
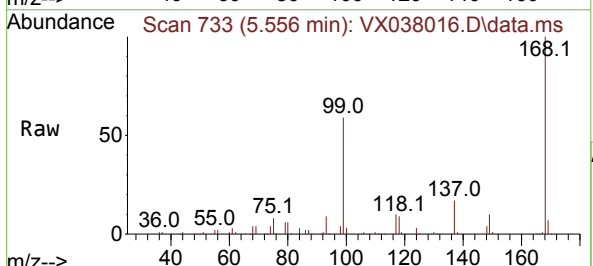
Tgt Ion: 75 Resp: 19687

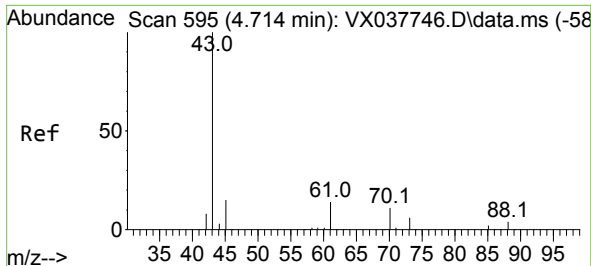
Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.433 ug/l

RT: 4.733 min Scan# 595

Delta R.T. -0.000 min

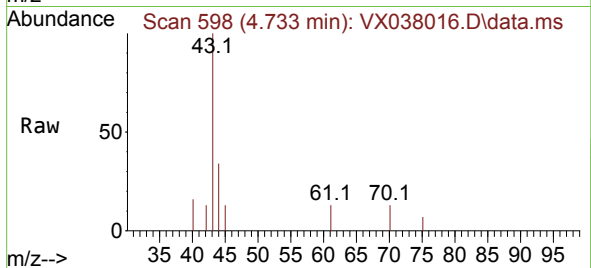
Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

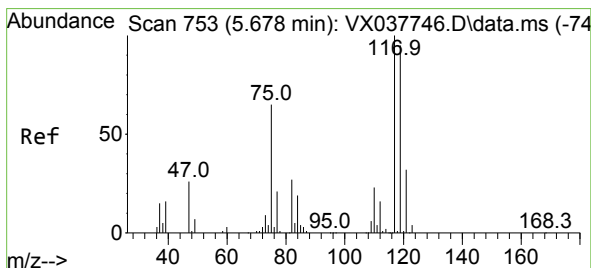
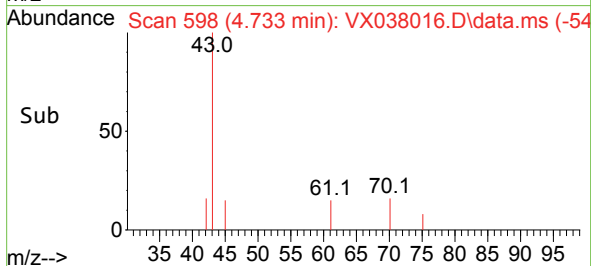
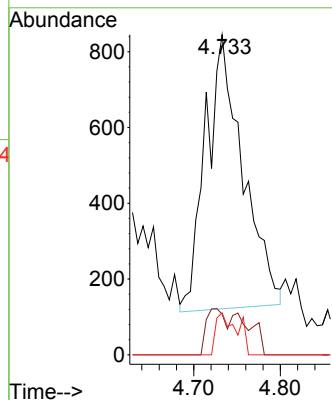
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 2165
Ion Ratio	Lower Upper
43	100
61	8.6 10.6 16.0#
70	8.7 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.386 ug/l

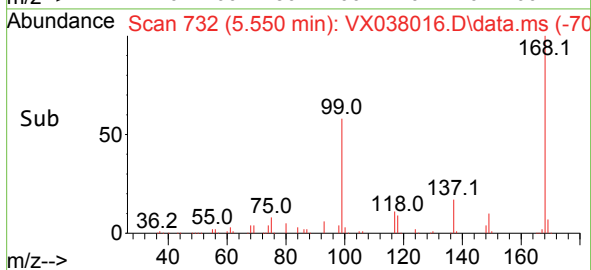
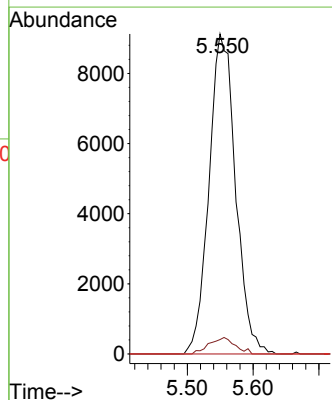
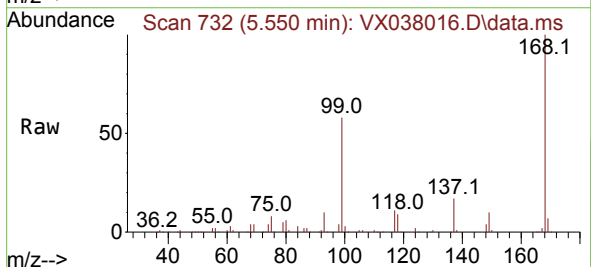
RT: 5.550 min Scan# 732

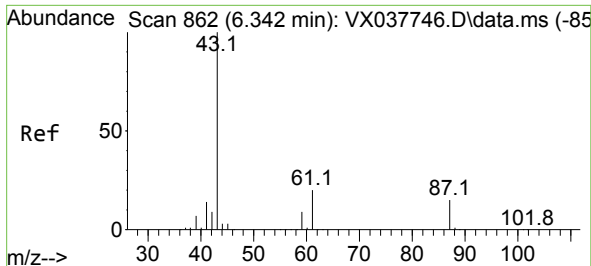
Delta R.T. -0.128 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

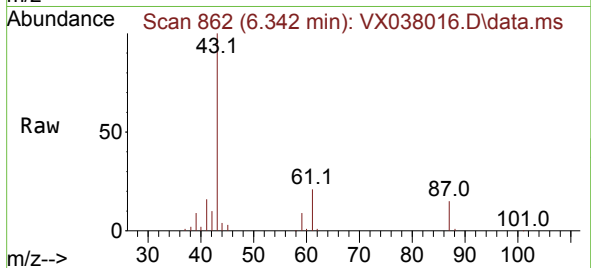
Tgt Ion: 117	Resp: 25644
Ion Ratio	Lower Upper
117	100
119	4.5 78.2 117.2#
121	0.0 24.4 36.6#



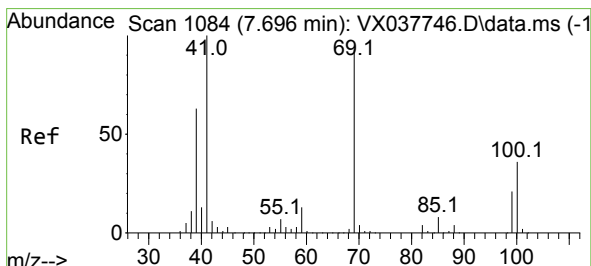
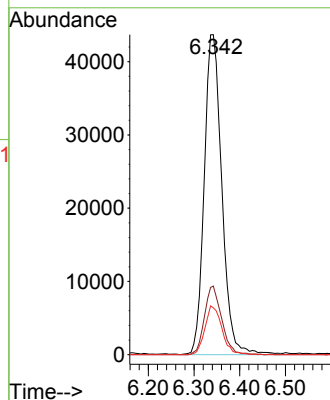
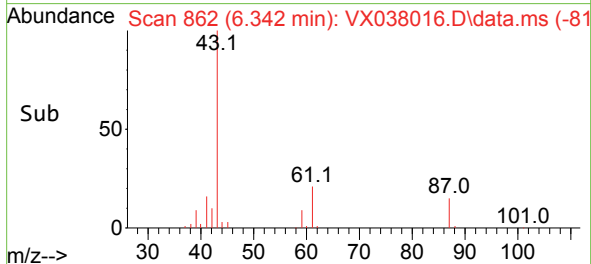


#43
Isopropyl Acetate
Concen: 14.624 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

Instrument :
MSVOA_X
ClientSampleId :

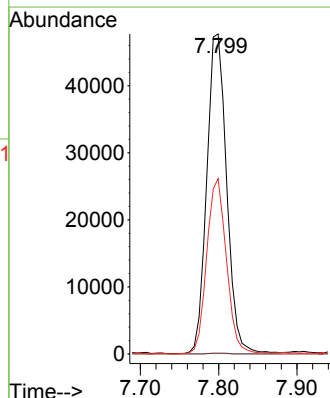
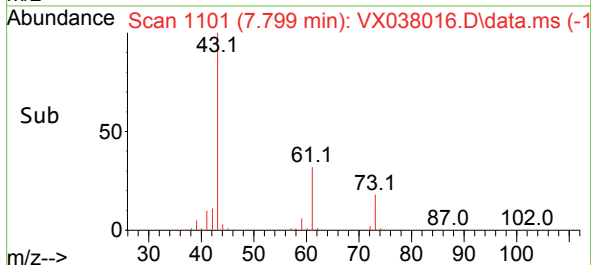
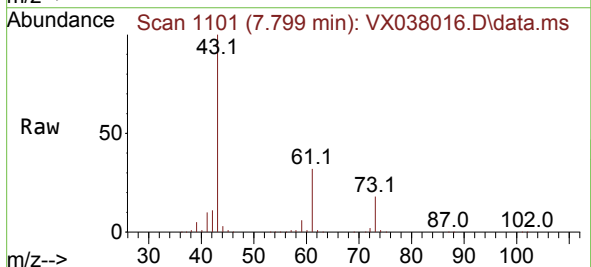


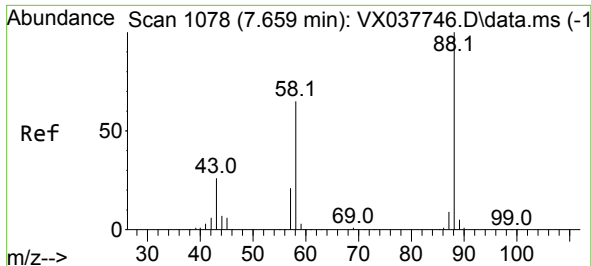
Tgt Ion: 43 Resp: 116972
Ion Ratio Lower Upper
43 100
61 20.9 15.2 22.8
87 14.7 9.8 14.6#



#48
Methyl methacrylate
Concen: 21.938 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.097 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

Tgt Ion: 41 Resp: 83888
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 54.5 47.7 71.5





#49

1,4-Dioxane

Concen: 1.077 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :

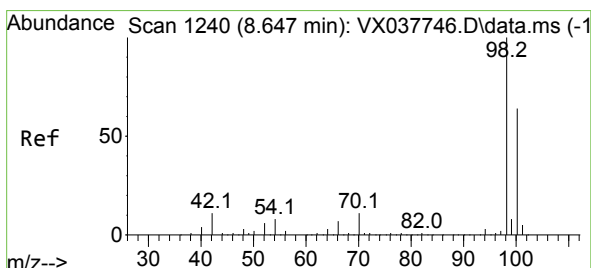
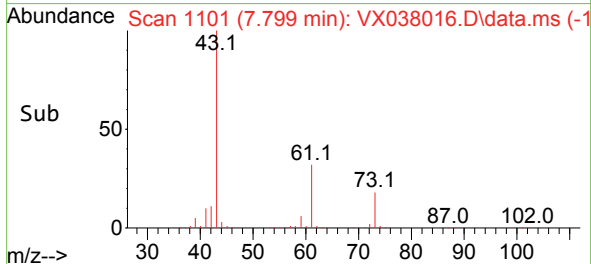
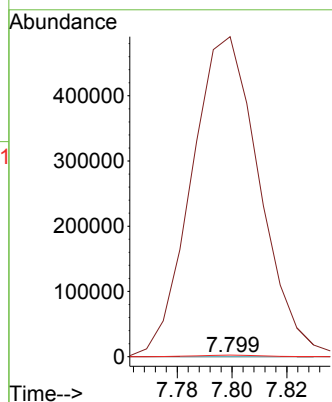
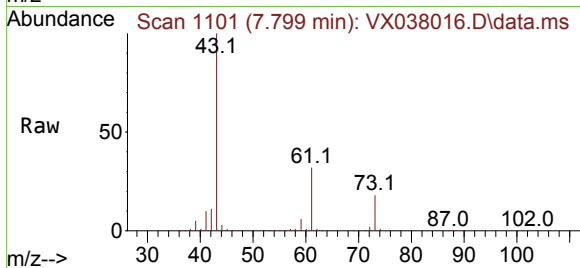
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 794863.0 0.0 0.0#

58 3857.4 60.1 90.1#



#50

Toluene-d8

Concen: 42.333 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX038016.D

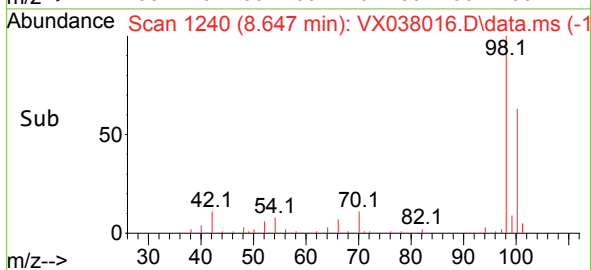
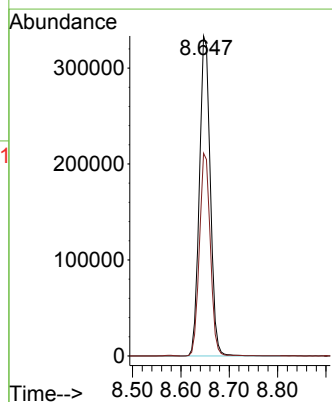
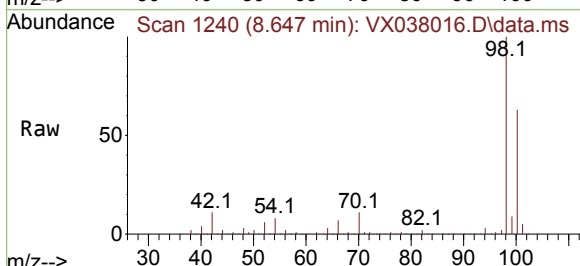
Acq: 30 Sep 2023 19:54

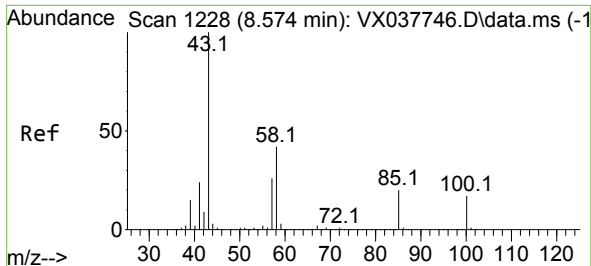
Tgt Ion: 98 Resp: 519565

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7

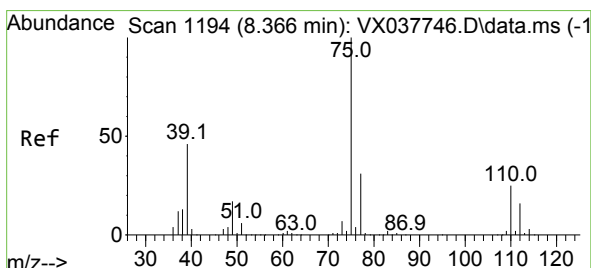
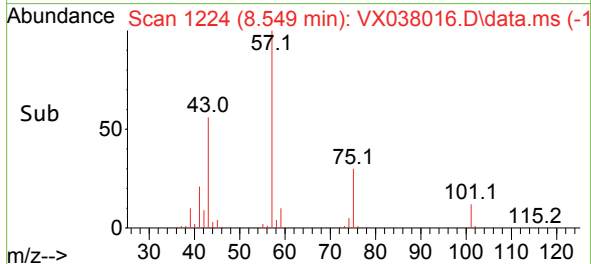
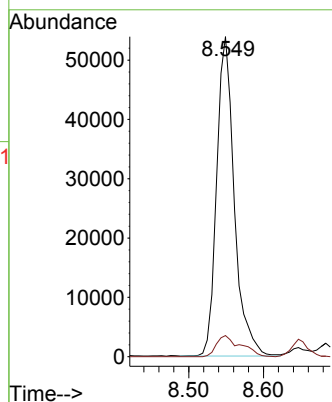
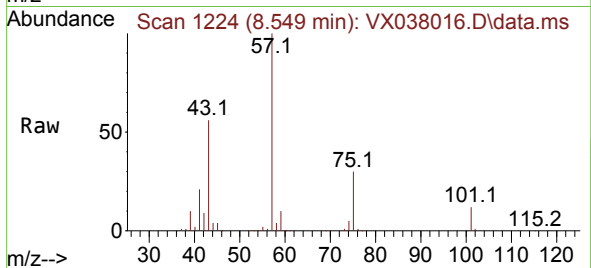




#51
4-Methyl-2-Pentanone
Concen: 17.437 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

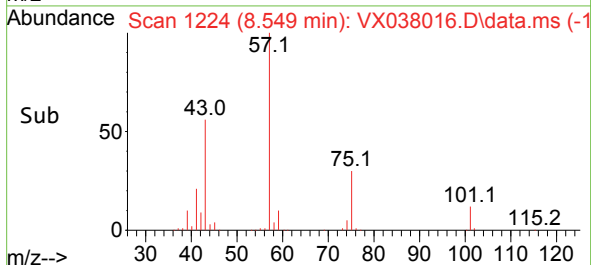
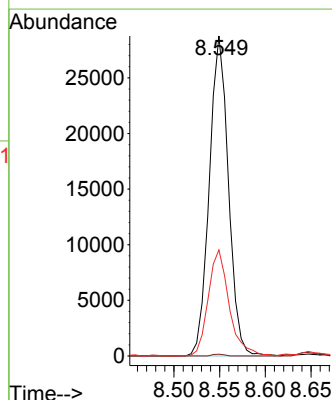
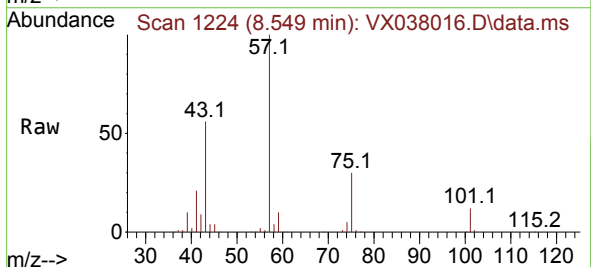
Instrument :
MSVOA_X
ClientSampleId :

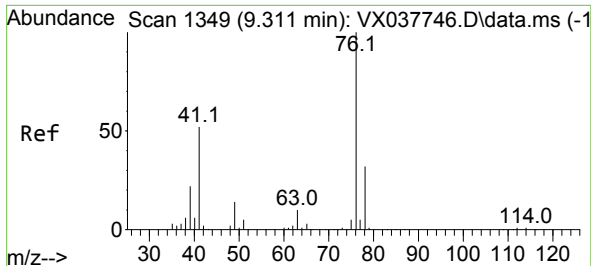
Tgt Ion: 43 Resp: 88491
Ion Ratio Lower Upper
43 100
58 9.1 30.4 45.6#



#54
cis-1,3-Dichloropropene
Concen: 7.502 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX038016.D
Acq: 30 Sep 2023 19:54

Tgt Ion: 75 Resp: 41797
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 33.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 0.580 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

Instrument :

MSVOA_X

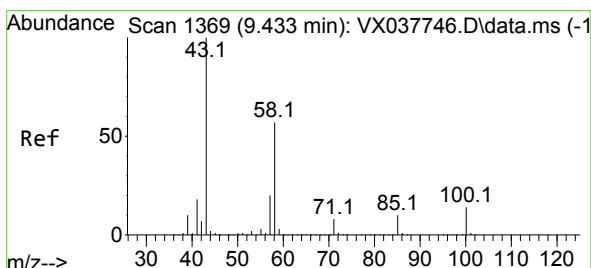
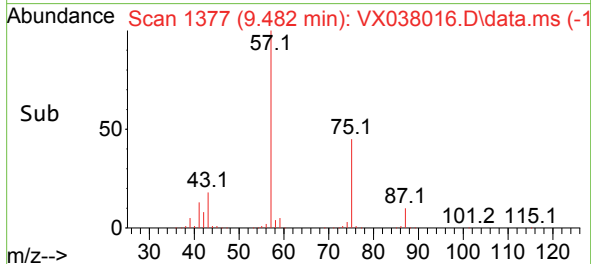
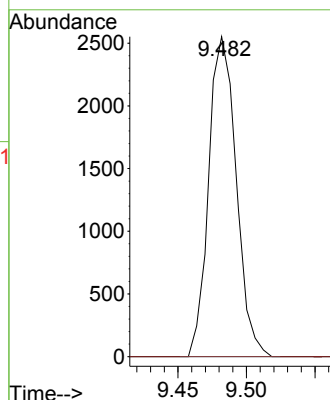
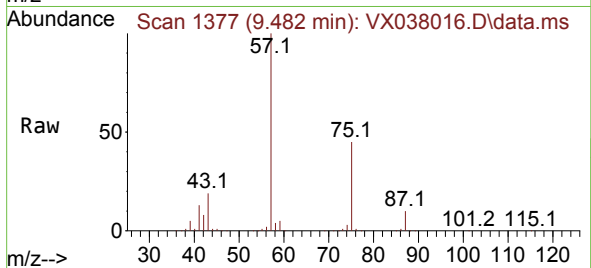
ClientSampleId :

Tgt Ion: 76 Resp: 3566

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 11.702 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038016.D

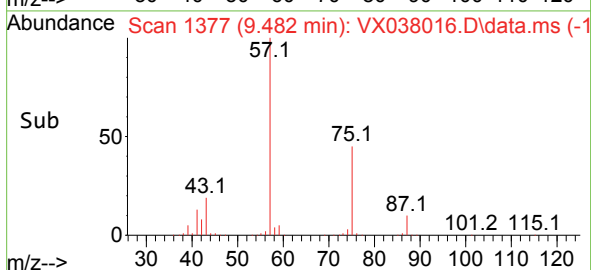
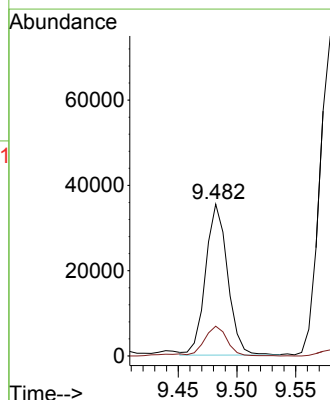
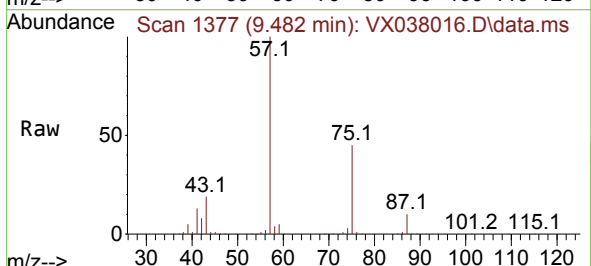
Acq: 30 Sep 2023 19:54

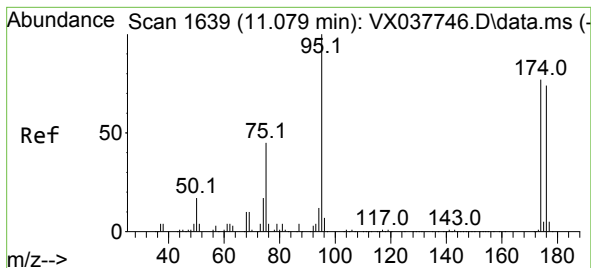
Tgt Ion: 43 Resp: 46240

Ion Ratio Lower Upper

43 100

58 21.9 26.2 78.5#





#62

4-Bromofluorobenzene

Concen: 49.807 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :

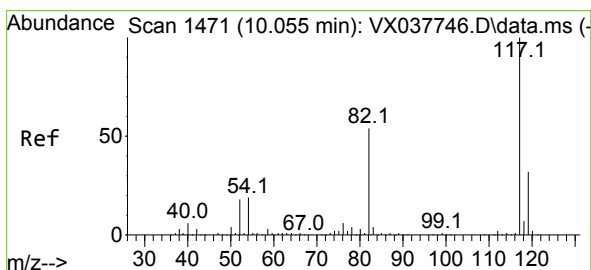
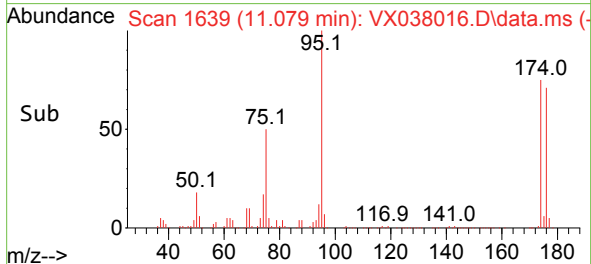
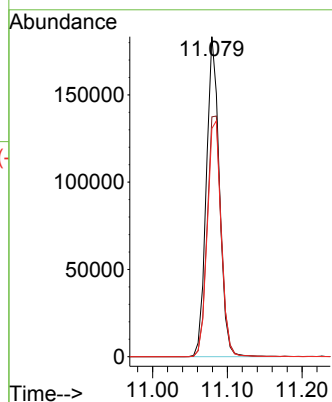
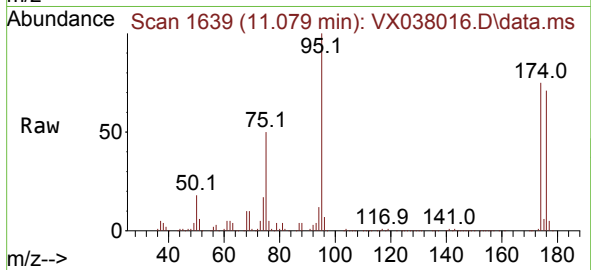
Tgt Ion: 95 Resp: 222134

Ion Ratio Lower Upper

95 100

174 81.3 0.0 135.6

176 78.1 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX038016.D

Acq: 30 Sep 2023 19:54

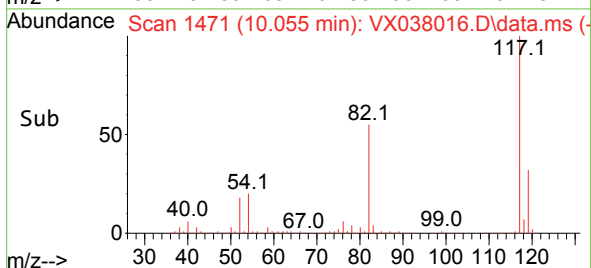
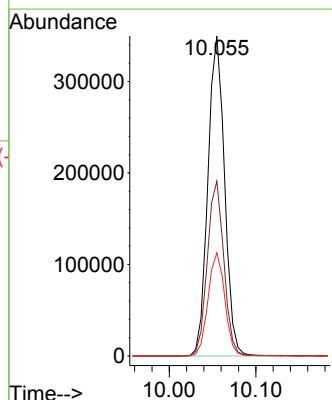
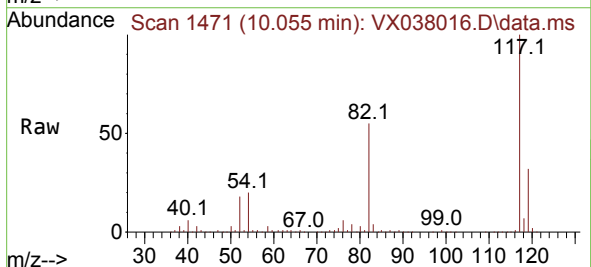
Tgt Ion: 117 Resp: 467160

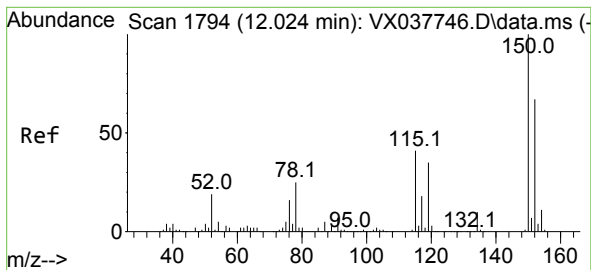
Ion Ratio Lower Upper

117 100

82 54.6 46.2 69.4

119 32.3 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: VX038016.D

Acq: 30 Sep 2023 19:54

Instrument :

MSVOA_X

ClientSampleId :

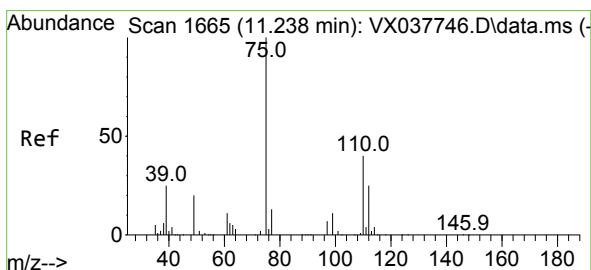
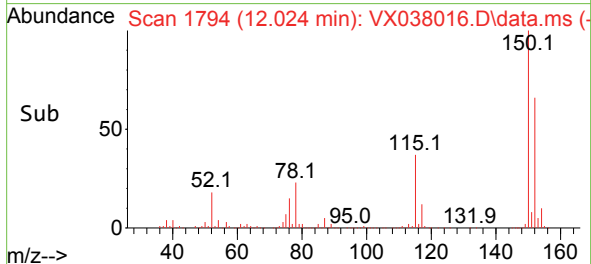
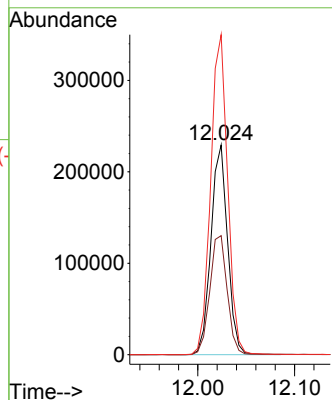
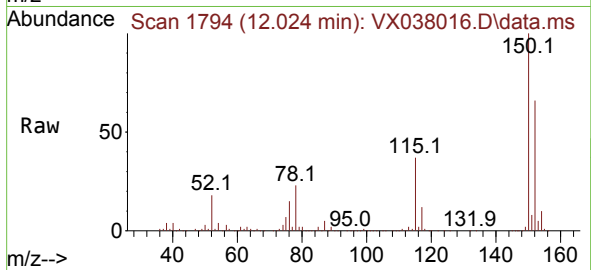
Tgt Ion:152 Resp: 275154

Ion Ratio Lower Upper

152 100

115 59.4 43.3 129.9

150 155.6 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 17.708 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038016.D

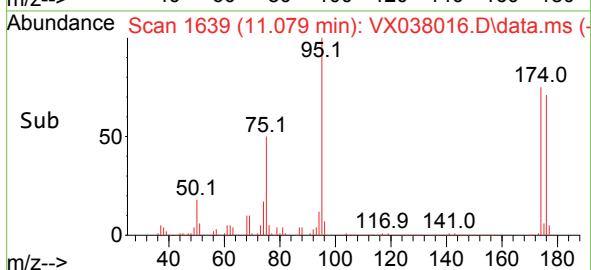
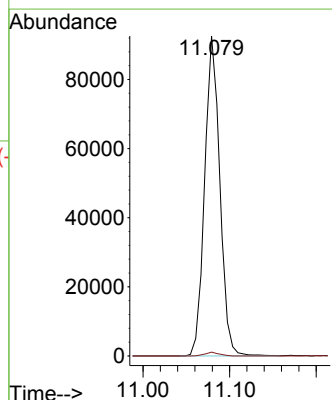
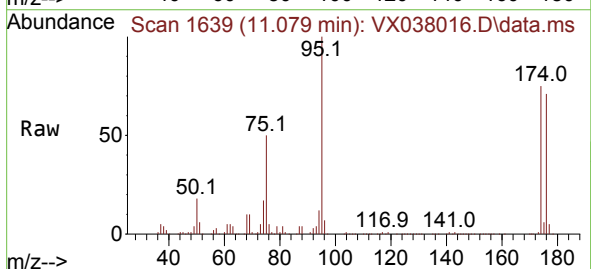
Acq: 30 Sep 2023 19:54

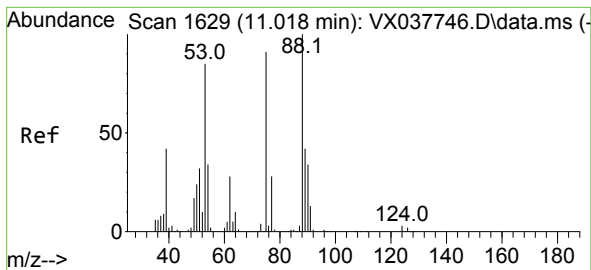
Tgt Ion: 75 Resp: 112694

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.725 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX038016.D
 Acq: 30 Sep 2023 19:54

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 112694
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

