

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX038014.D
 Acq On : 30 Sep 2023 19:08
 Operator : JC/MD
 Sample : PB155992TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 02:17:28 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)

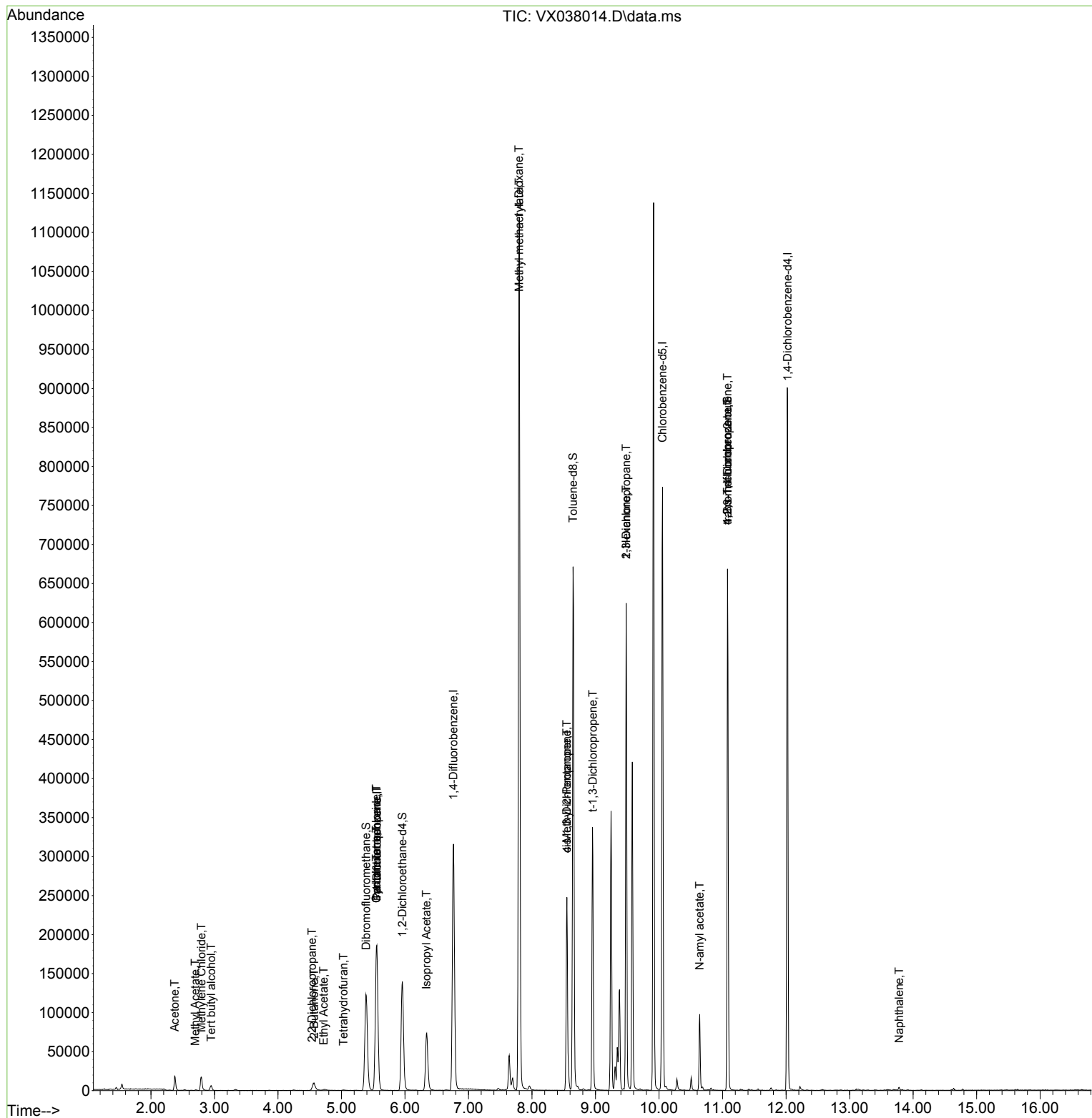
Internal Standards						
1) Pentafluorobenzene	5.556	168	172872	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	319761	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	335694	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	175586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	136888	60.269	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 120.540%#			
35) Dibromofluoromethane	5.385	113	106388	49.725	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.440%			
50) Toluene-d8	8.647	98	401253	50.474	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.940%			
62) 4-Bromofluorobenzene	11.079	95	165561	57.312	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.620%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	3773	7.739	ug/l #	78
16) Acetone	2.374	43	19594	17.933	ug/l	94
18) Methyl Acetate	2.697	43	1126	0.286	ug/l #	81
20) Methylene Chloride	2.794	84	8474	4.172	ug/l	90
25) 2-Butanone	4.568	43	5128	3.326	ug/l #	89
26) 2,2-Dichloropropane	4.538	77	568	0.200	ug/l #	54
29) Tetrahydrofuran	5.032	42	334	0.348	ug/l #	66
31) Cyclohexane	5.550	56	4329	1.485	ug/l #	31
36) 1,1-Dichloropropene	5.556	75	15568	5.282	ug/l #	50
37) Ethyl Acetate	4.721	43	816	0.252	ug/l #	74
38) Carbon Tetrachloride	5.550	117	18235	5.913	ug/l #	15
43) Isopropyl Acetate	6.336	43	100680	19.432	ug/l	98
48) Methyl methacrylate	7.799	41	98363	39.715	ug/l #	50
49) 1,4-Dioxane	7.793	88	80	1.232	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	86414	26.288	ug/l #	49
53) t-1,3-Dichloropropene	8.958	75	725	0.222	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	37009	10.256	ug/l #	59
57) 1,3-Dichloropropane	9.482	76	5363	1.346	ug/l #	42
59) 2-Hexanone	9.482	43	69101	26.999	ug/l #	55
74) N-amyl acetate	10.640	43	22649	4.341	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	90965	22.399	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	90965	71.752	ug/l #	5
95) Naphthalene	13.780	128	2866	0.237	ug/l #	94

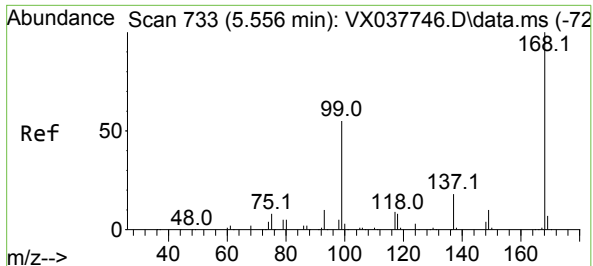
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

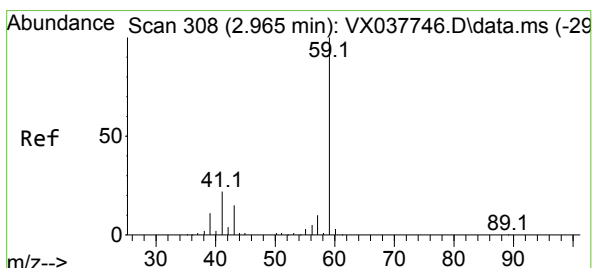
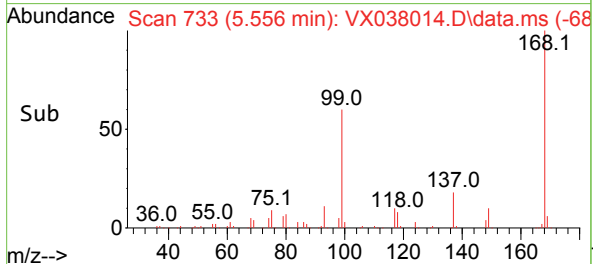
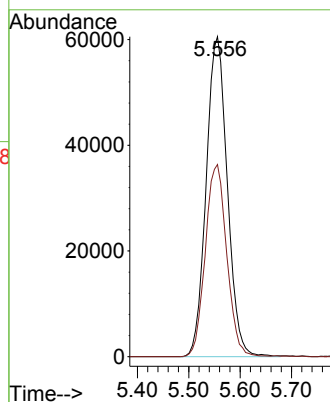
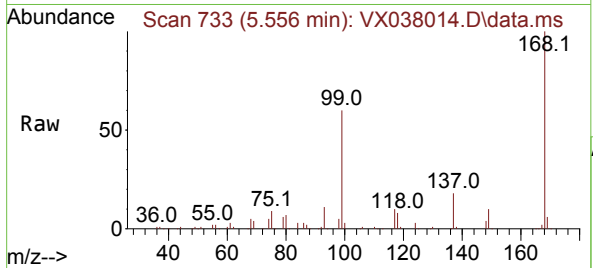




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

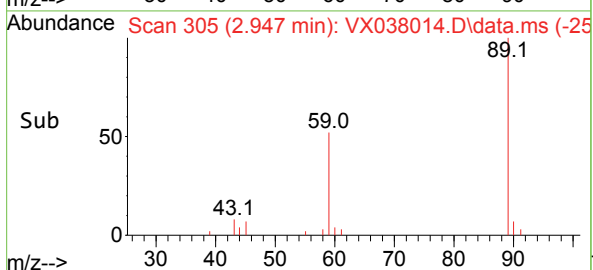
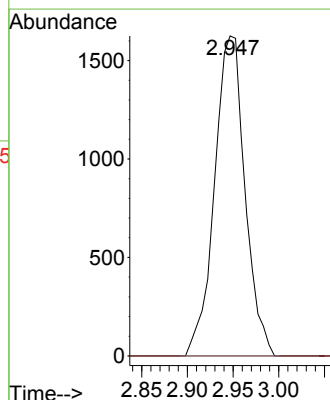
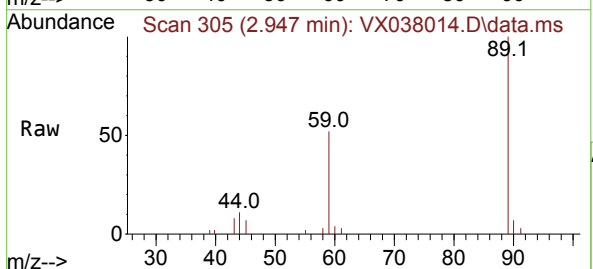
Instrument :
MSVOA_X
ClientSampleId :

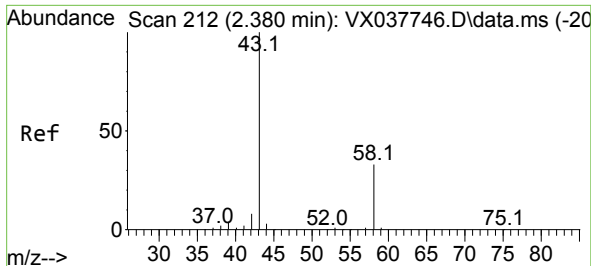
Tgt Ion:168 Resp: 172872
Ion Ratio Lower Upper
168 100
99 60.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 7.739 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Tgt Ion: 59 Resp: 3773
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 17.933 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

Instrument :

MSVOA_X

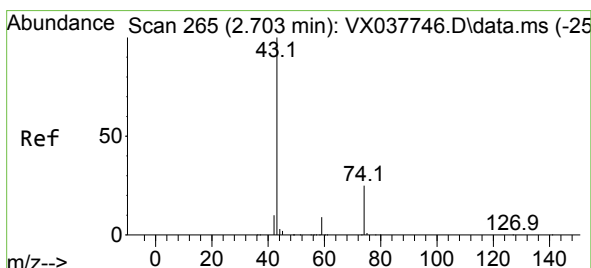
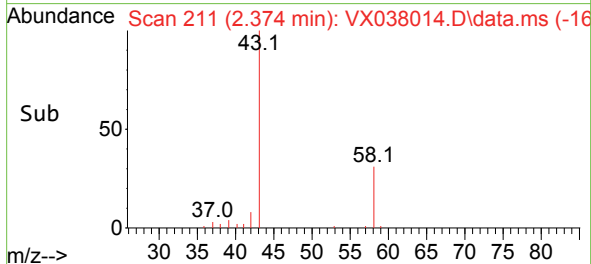
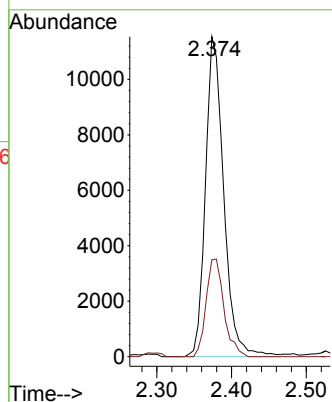
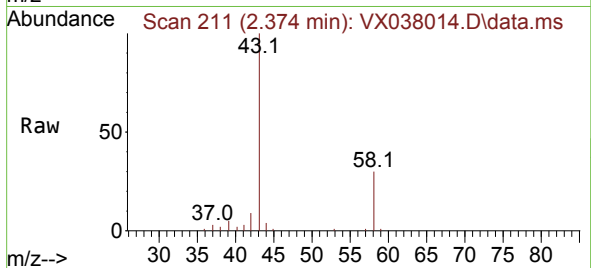
ClientSampleId :

Tgt Ion: 43 Resp: 19594

Ion Ratio Lower Upper

43 100

58 30.3 21.9 32.9



#18

Methyl Acetate

Concen: 0.286 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX038014.D

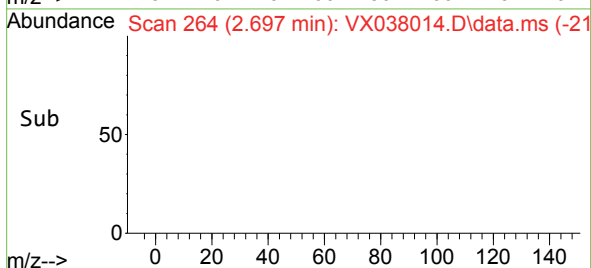
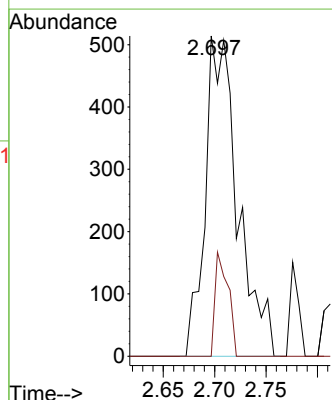
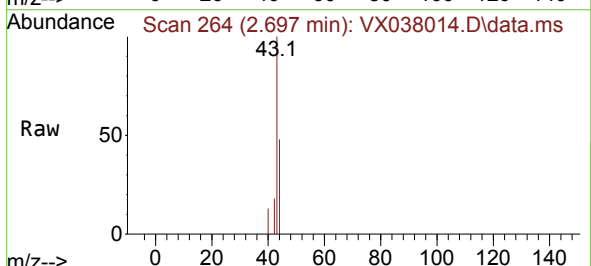
Acq: 30 Sep 2023 19:08

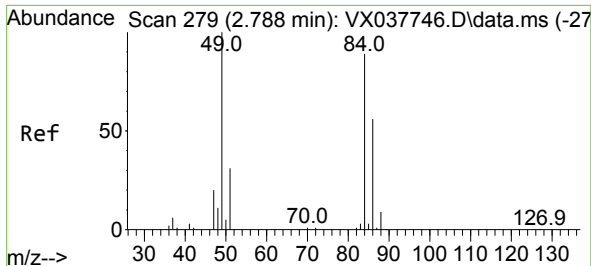
Tgt Ion: 43 Resp: 1126

Ion Ratio Lower Upper

43 100

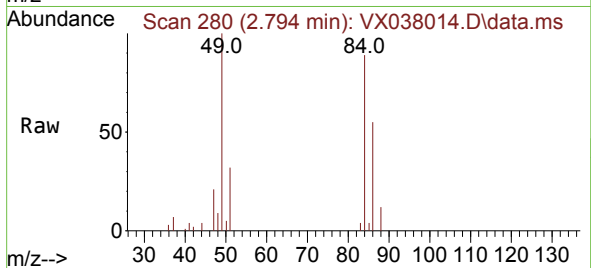
74 13.1 17.8 26.8#



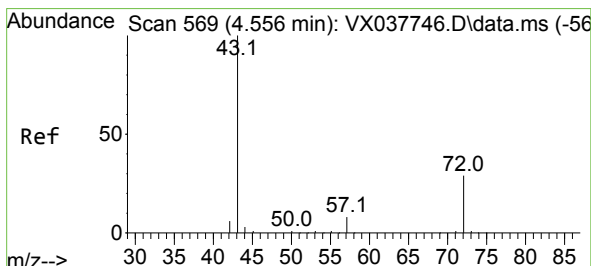
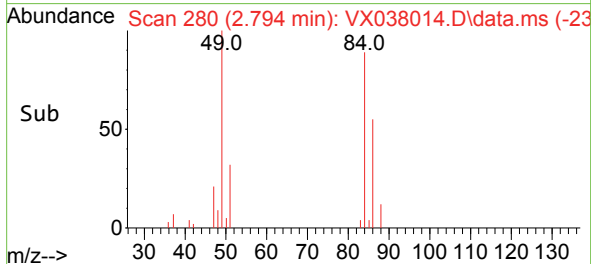
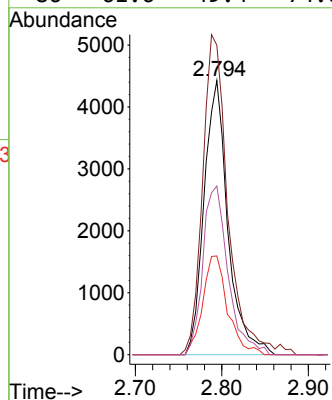


#20
Methylene Chloride
Concen: 4.172 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Instrument :
MSVOA_X
ClientSampleId :

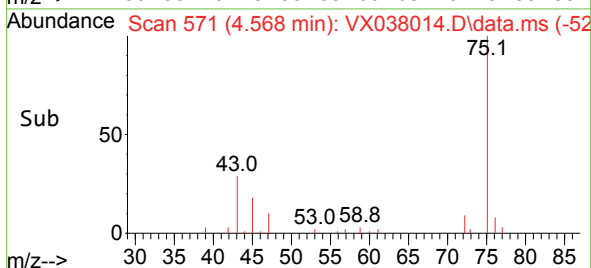
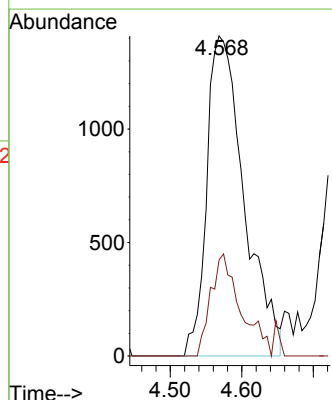
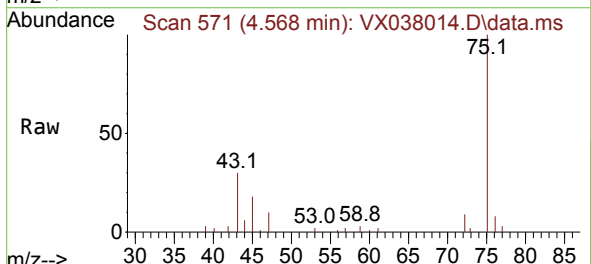


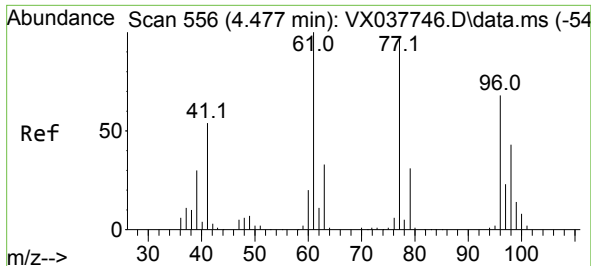
Tgt Ion:	84	Resp:	8474
Ion	Ratio	Lower	Upper
84	100		
49	112.9	103.6	155.4
51	36.0	33.8	50.6
86	61.6	49.4	74.0



#25
2-Butanone
Concen: 3.326 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.000 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Tgt Ion:	43	Resp:	5128
Ion	Ratio	Lower	Upper
43	100		
72	30.0	19.4	29.2#





#26

2,2-Dichloropropane

Concen: 0.200 ug/l

RT: 4.538 min Scan# 5

Delta R.T. 0.061 min

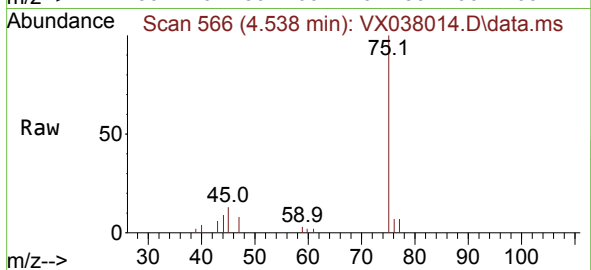
Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :

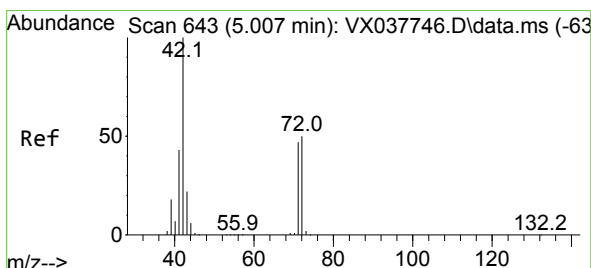
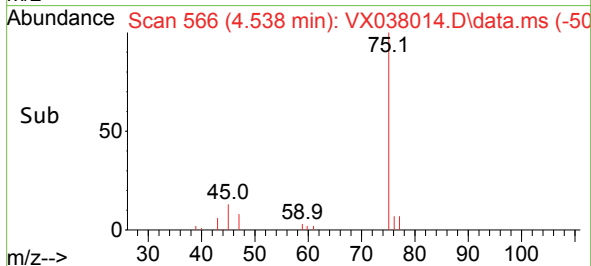
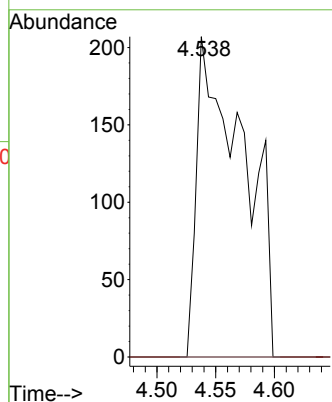


Tgt Ion: 77 Resp: 568

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 0.348 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.018 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

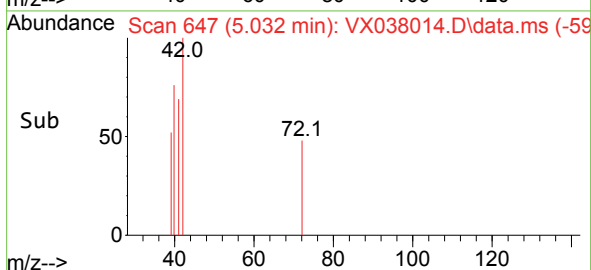
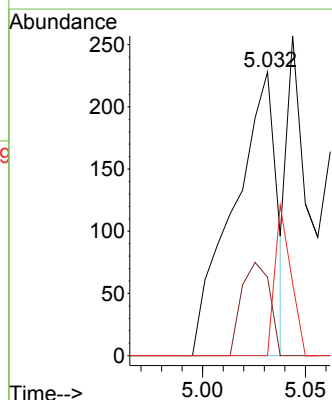
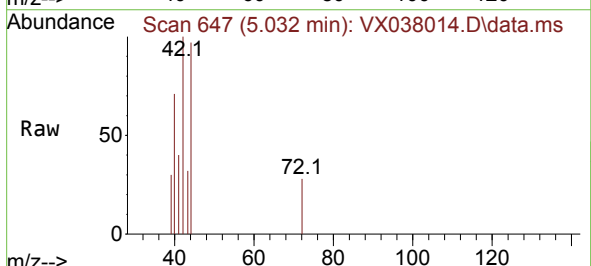
Tgt Ion: 42 Resp: 334

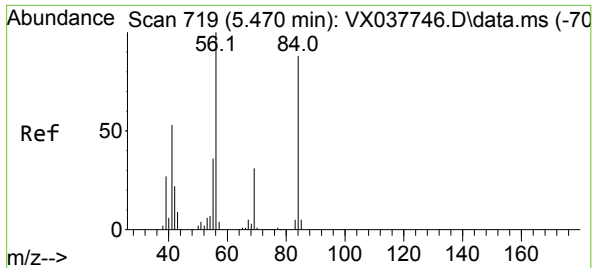
Ion Ratio Lower Upper

42 100

72 21.3 34.2 51.4#

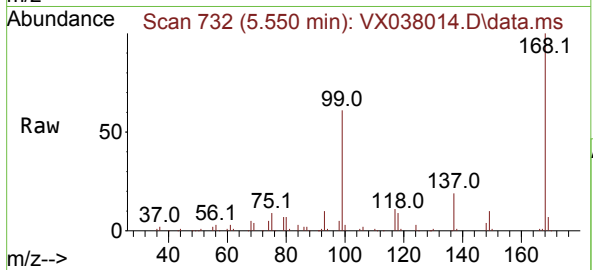
71 19.5 32.2 48.2#



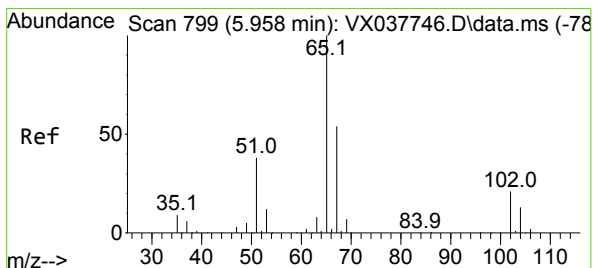
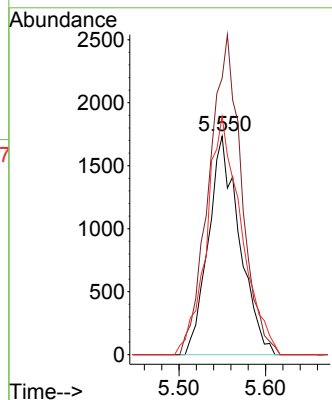
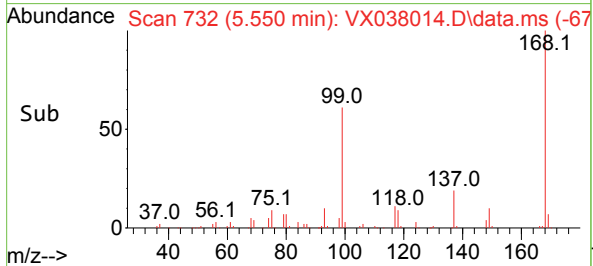


#31
Cyclohexane
Concen: 1.485 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Instrument :
MSVOA_X
ClientSampleId :

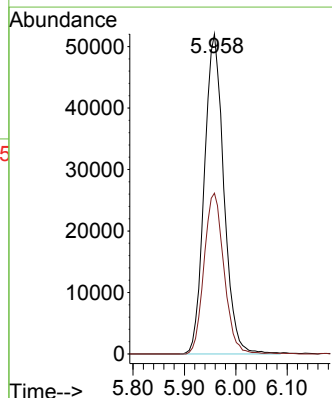
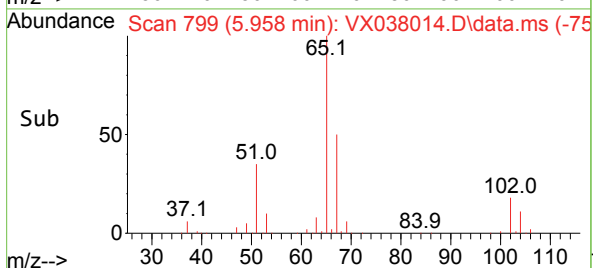
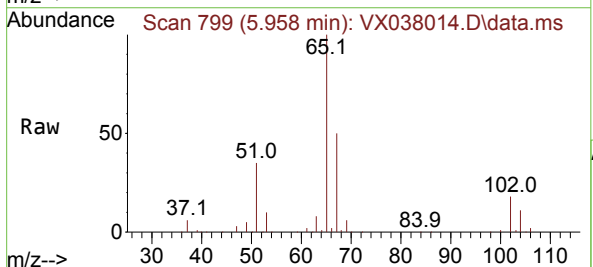


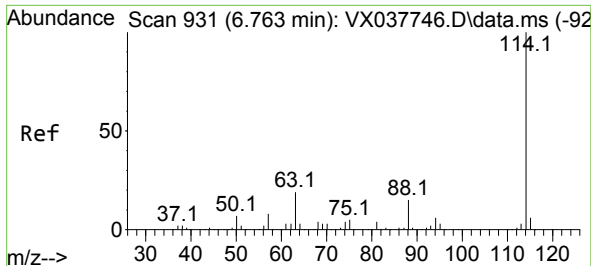
Tgt Ion: 56 Resp: 4329
Ion Ratio Lower Upper
56 100
69 126.5 23.4 35.2#
84 109.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 60.269 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Tgt Ion: 65 Resp: 136888
Ion Ratio Lower Upper
65 100
67 51.3 0.0 100.2

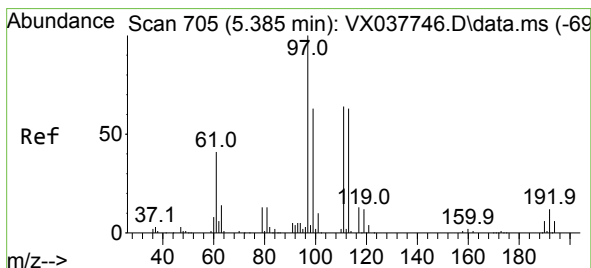
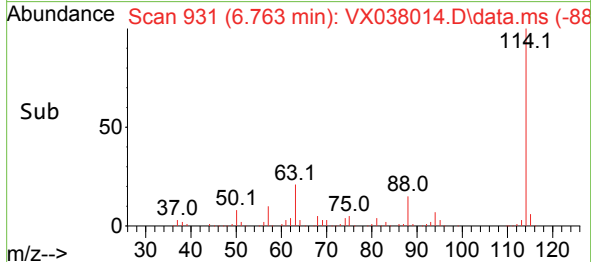
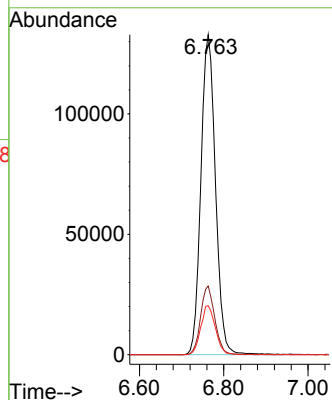
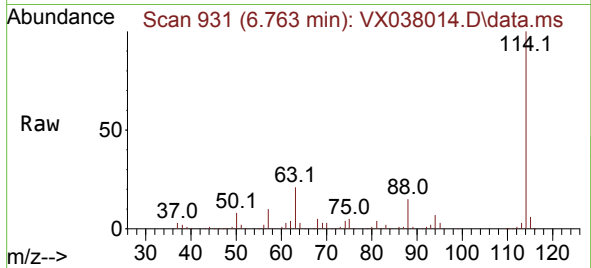




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

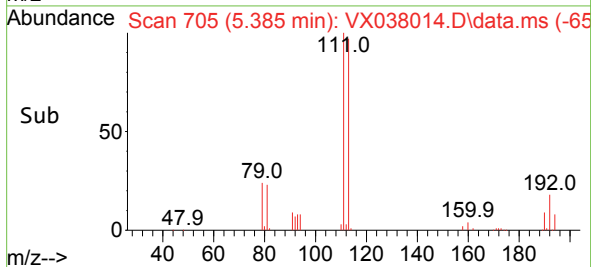
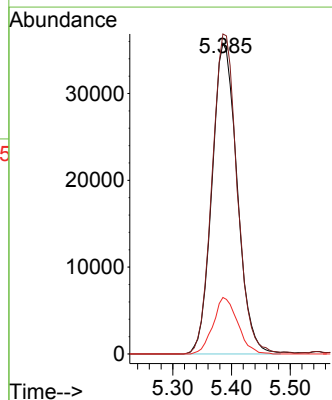
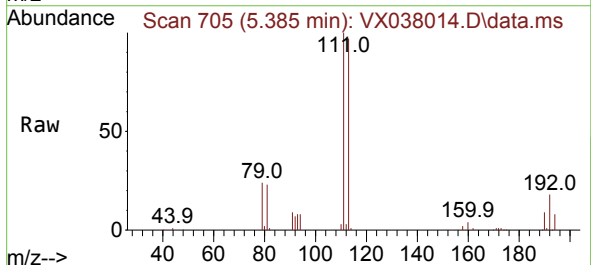
Instrument :
MSVOA_X
ClientSampleId :

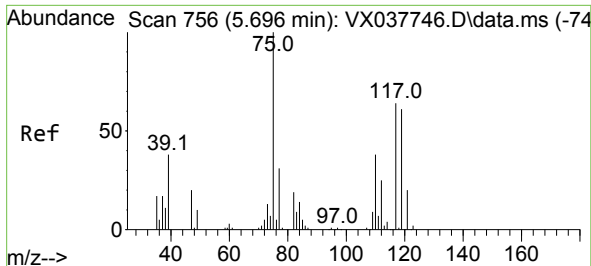
Tgt Ion:114 Resp: 319761
Ion Ratio Lower Upper
114 100
63 21.4 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.725 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Tgt Ion:113 Resp: 106388
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 17.8 13.3 19.9

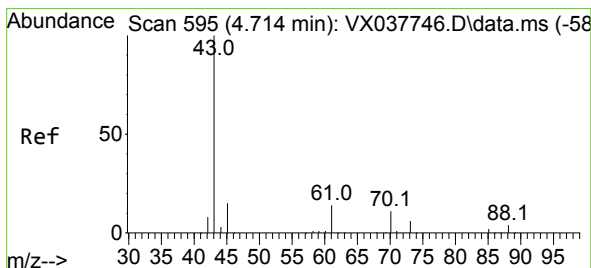
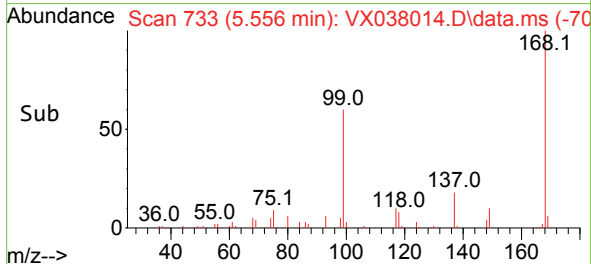
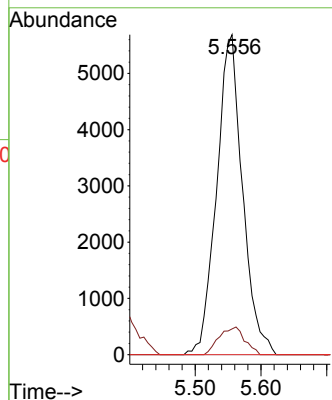
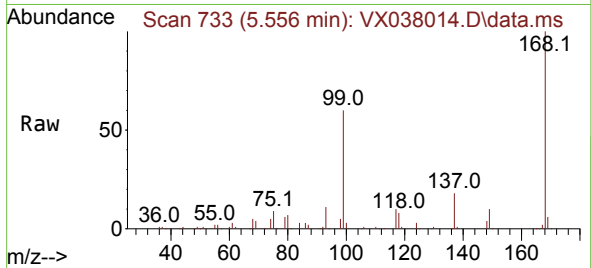




#36
1,1-Dichloropropene
Concen: 5.282 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

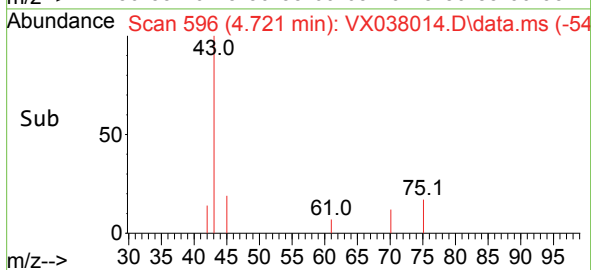
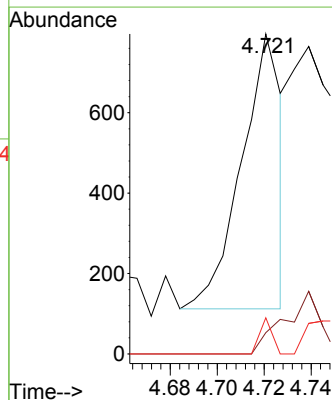
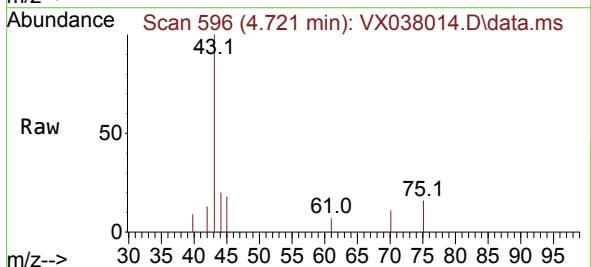
Instrument :
MSVOA_X
ClientSampleId :

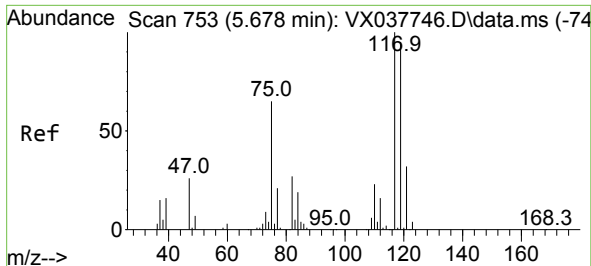
Tgt Ion: 75 Resp: 15568
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.252 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.012 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

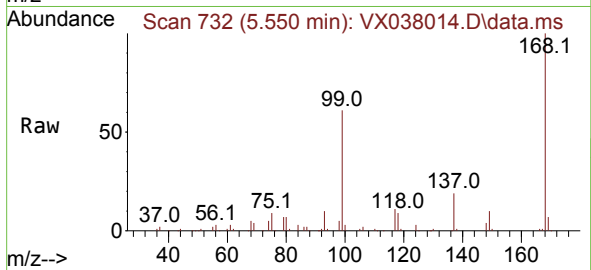
Tgt Ion: 43 Resp: 816
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 4.0 8.3 12.5#



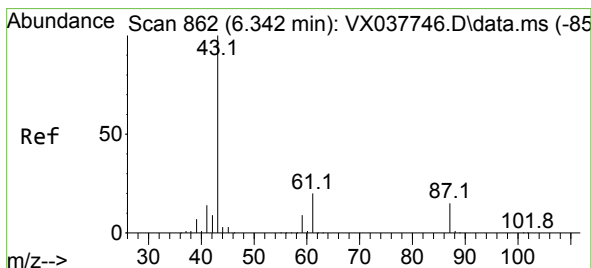
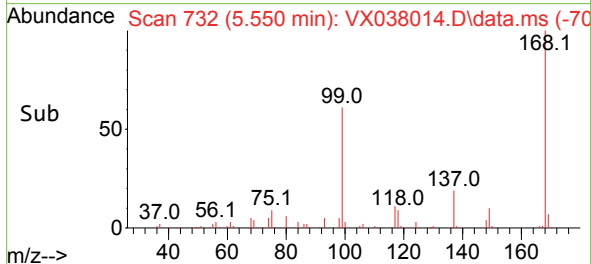
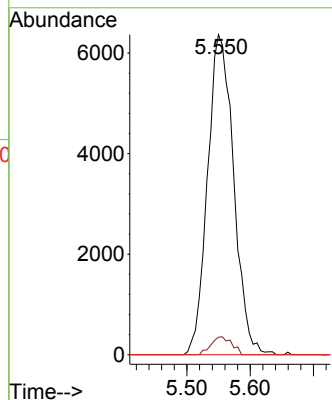


#38
Carbon Tetrachloride
Concen: 5.913 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Instrument :
MSVOA_X
ClientSampleId :

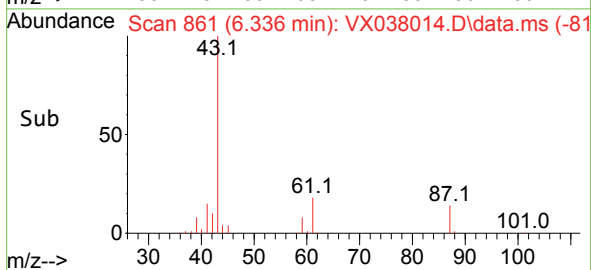
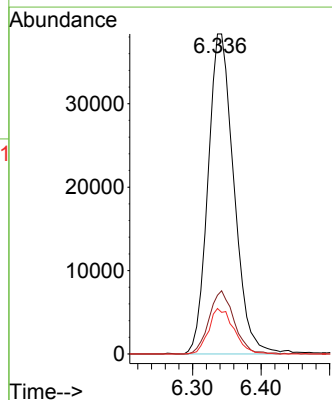
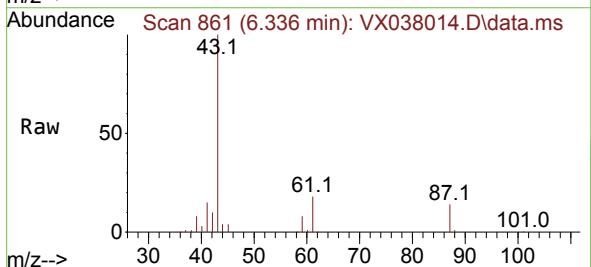


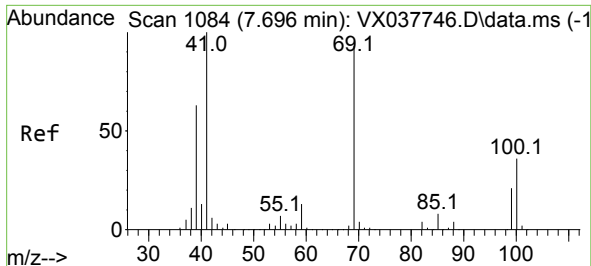
Tgt Ion:117 Resp: 18235
Ion Ratio Lower Upper
117 100
119 5.5 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 19.432 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

Tgt Ion: 43 Resp: 100680
Ion Ratio Lower Upper
43 100
61 19.1 15.2 22.8
87 13.9 9.8 14.6





#48

Methyl methacrylate

Concen: 39.715 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.097 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :

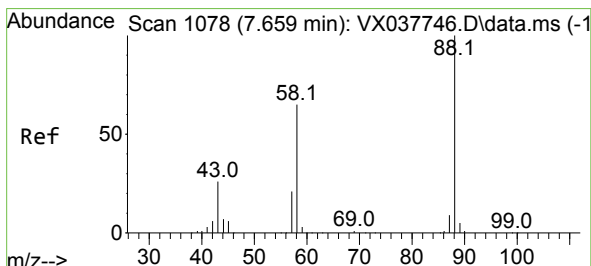
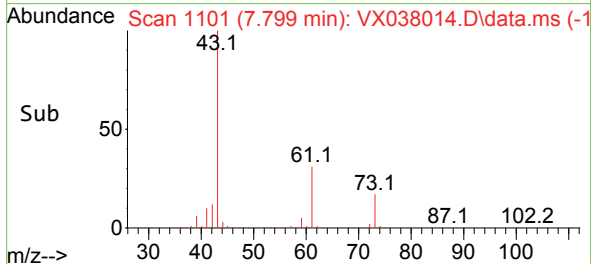
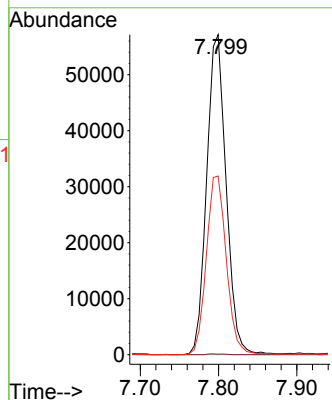
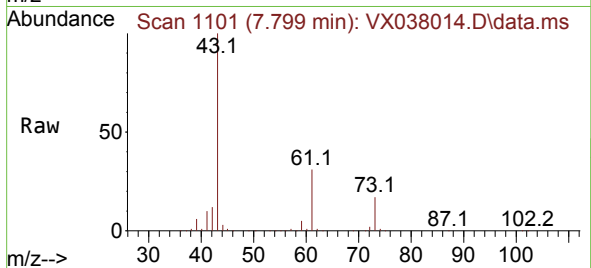
Tgt Ion: 41 Resp: 98363

Ion Ratio Lower Upper

41 100

69 0.2 59.2 88.8#

39 57.4 47.7 71.5



#49

1,4-Dioxane

Concen: 1.232 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.122 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

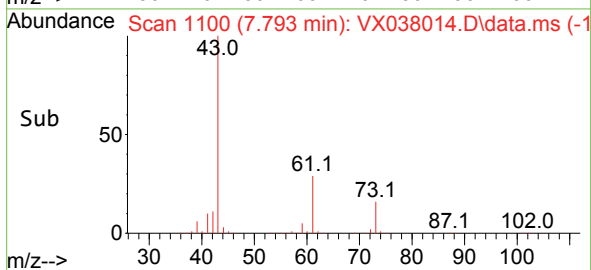
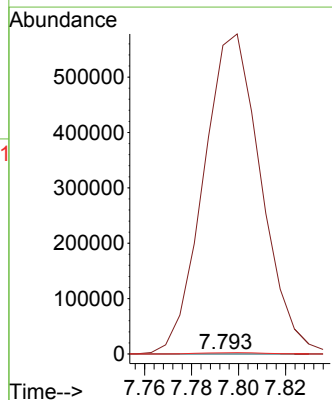
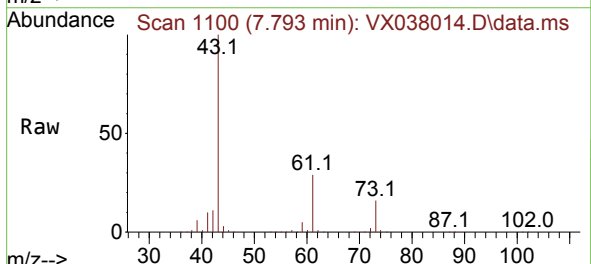
Tgt Ion: 88 Resp: 80

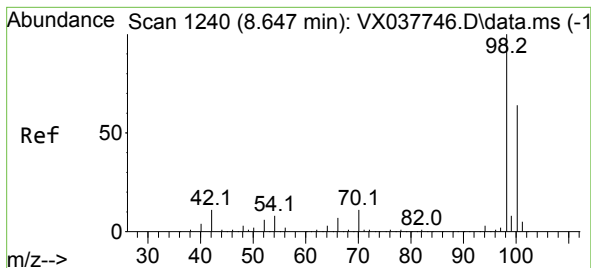
Ion Ratio Lower Upper

88 100

43 1242245.0 0.0 0.0#

58 5593.8 60.1 90.1#





#50

Toluene-d8

Concen: 50.474 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

Instrument :

MSVOA_X

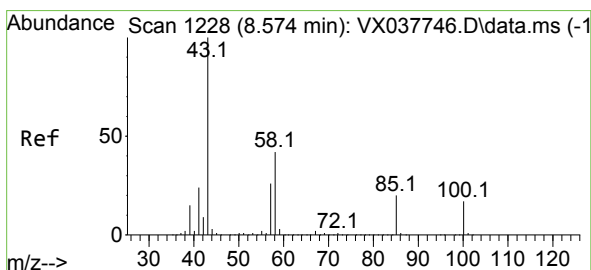
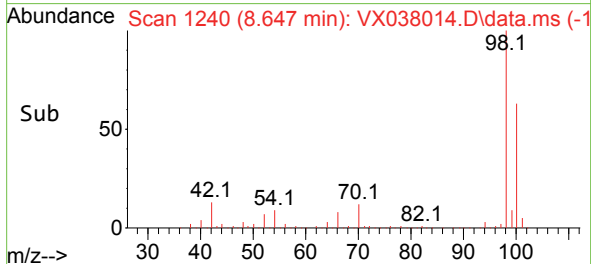
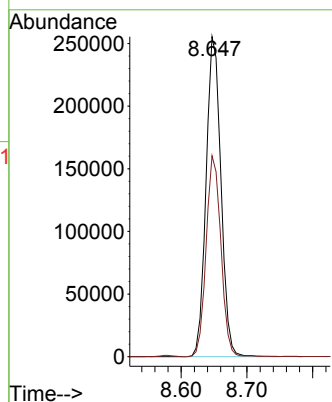
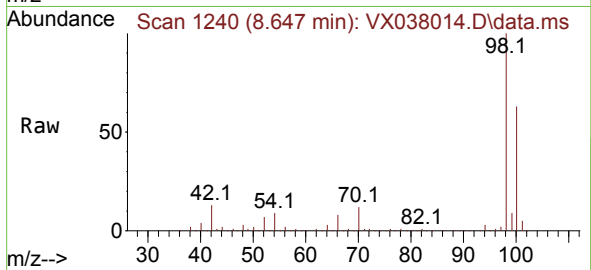
ClientSampleId :

Tgt Ion: 98 Resp: 401253

Ion Ratio Lower Upper

98 100

100 62.5 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 26.288 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX038014.D

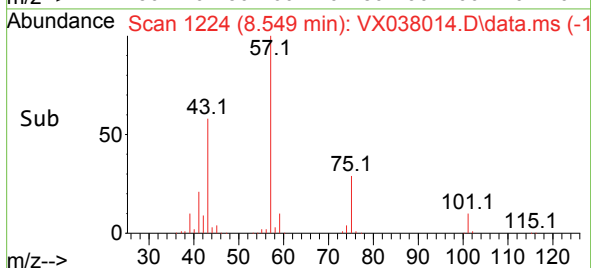
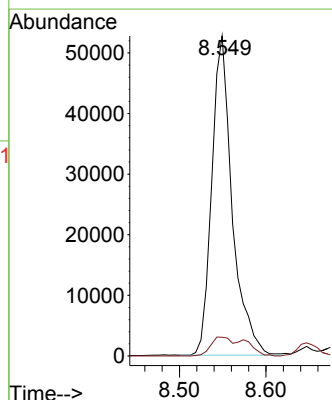
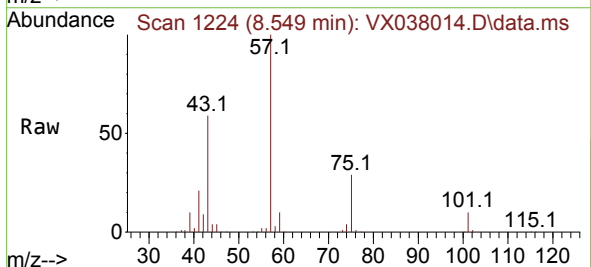
Acq: 30 Sep 2023 19:08

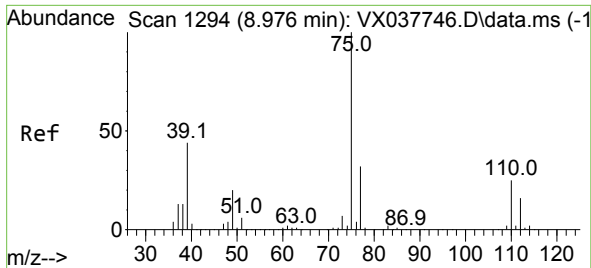
Tgt Ion: 43 Resp: 86414

Ion Ratio Lower Upper

43 100

58 7.0 30.4 45.6#

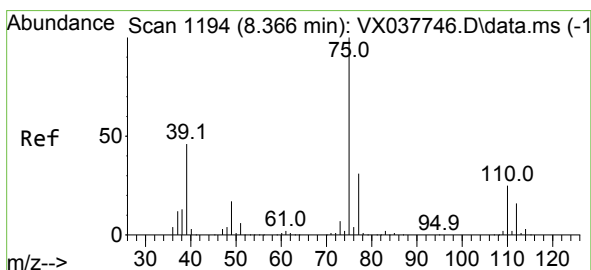
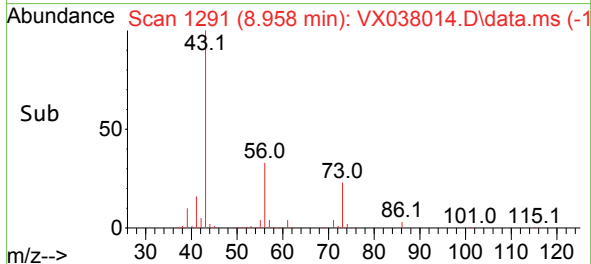
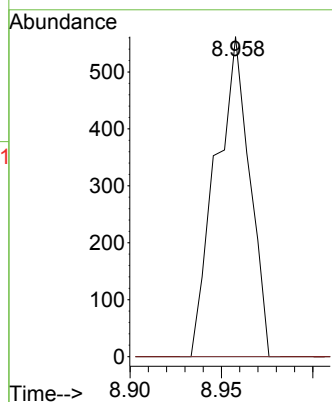
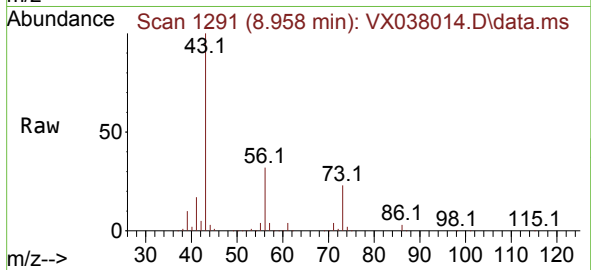




#53
 t-1,3-Dichloropropene
 Concen: 0.222 ug/l
 RT: 8.958 min Scan# 1124
 Delta R.T. -0.031 min
 Lab File: VX038014.D
 Acq: 30 Sep 2023 19:08

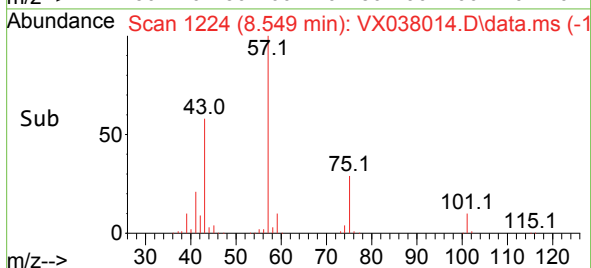
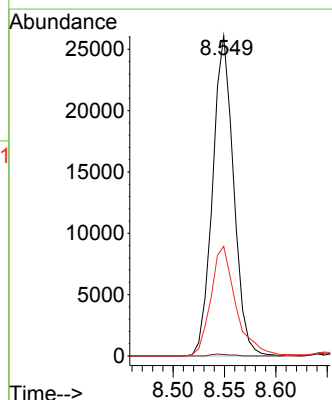
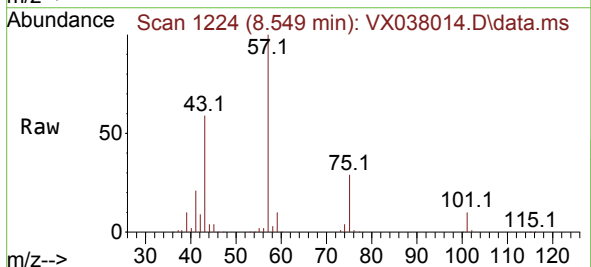
Instrument :
 MSVOA_X
 ClientSampleId :

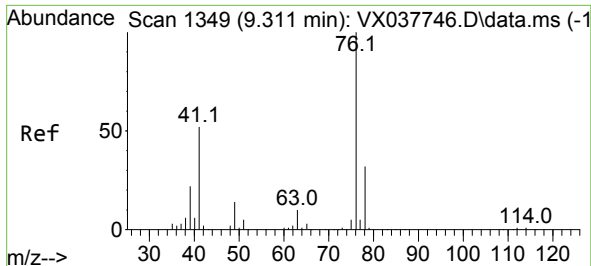
Tgt Ion: 75 Resp: 725
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 10.256 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.177 min
 Lab File: VX038014.D
 Acq: 30 Sep 2023 19:08

Tgt Ion: 75 Resp: 37009
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 34.2 46.7 70.1#





#57

1,3-Dichloropropane

Concen: 1.346 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

Instrument :

MSVOA_X

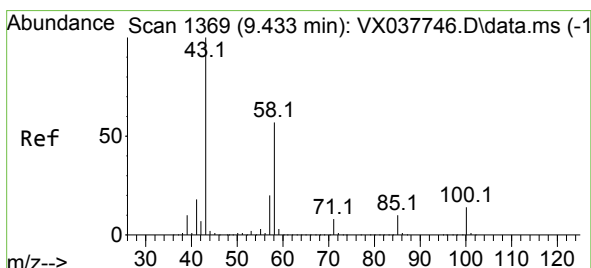
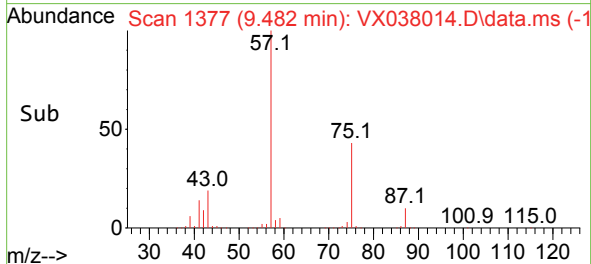
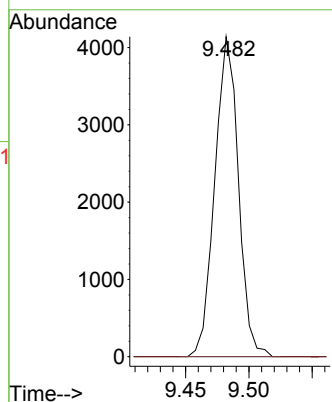
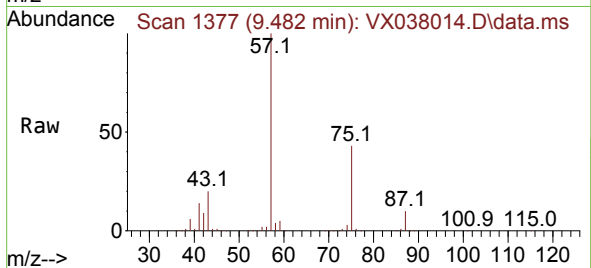
ClientSampleId :

Tgt Ion: 76 Resp: 5363

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 26.999 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX038014.D

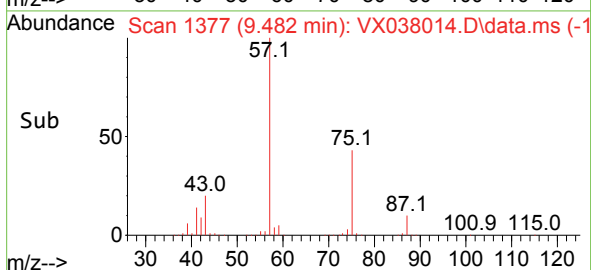
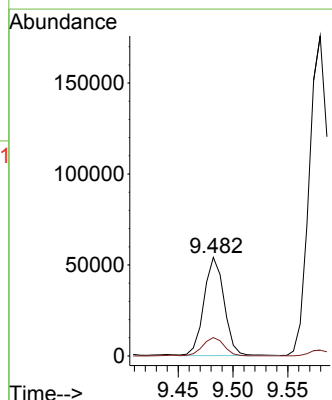
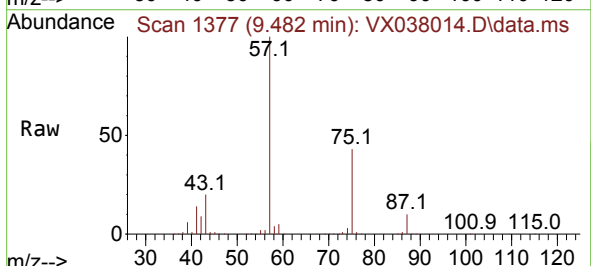
Acq: 30 Sep 2023 19:08

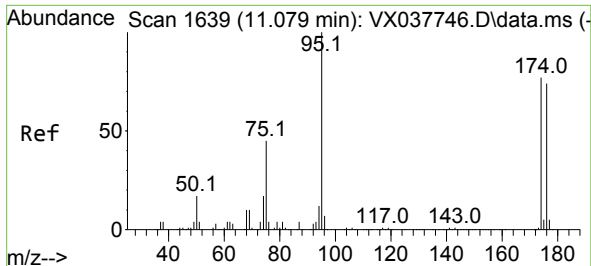
Tgt Ion: 43 Resp: 69101

Ion Ratio Lower Upper

43 100

58 20.7 26.2 78.5#

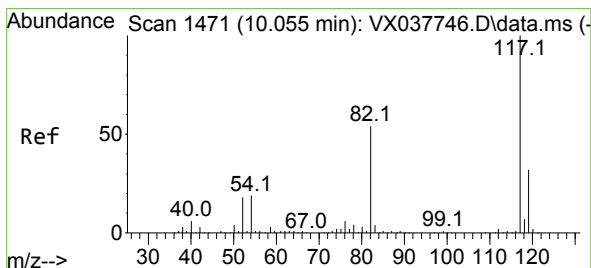
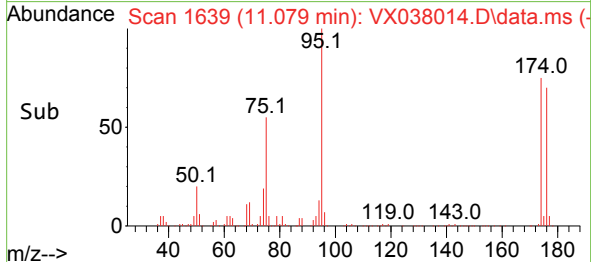
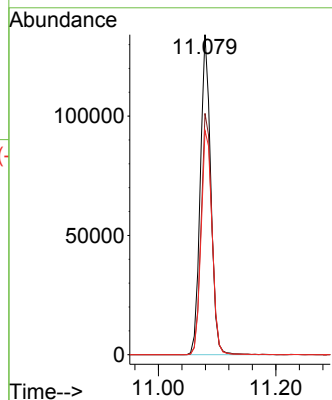
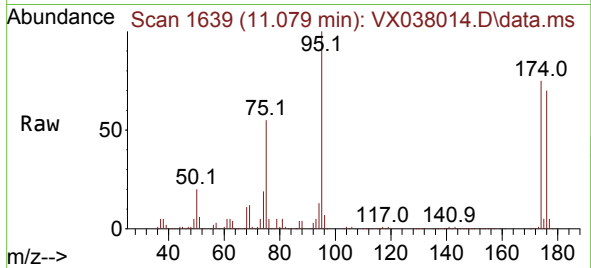




#62
4-Bromofluorobenzene
Concen: 57.312 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

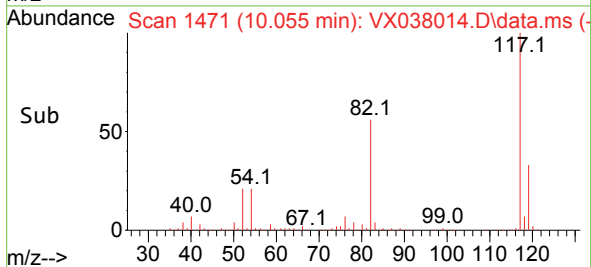
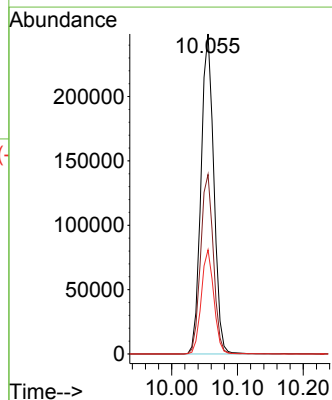
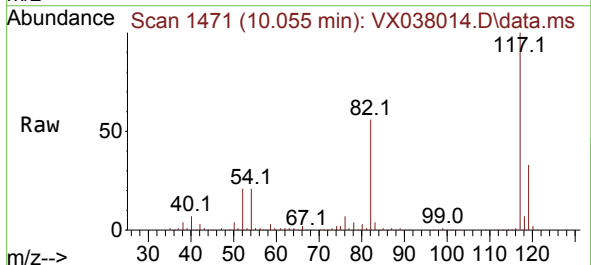
Instrument :
MSVOA_X
ClientSampleId :

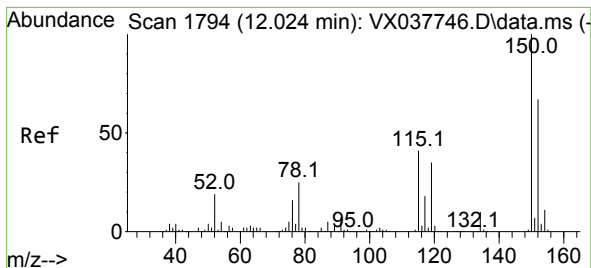
Tgt Ion: 95 Resp: 165561
Ion Ratio Lower Upper
95 100
174 77.7 0.0 135.6
176 73.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

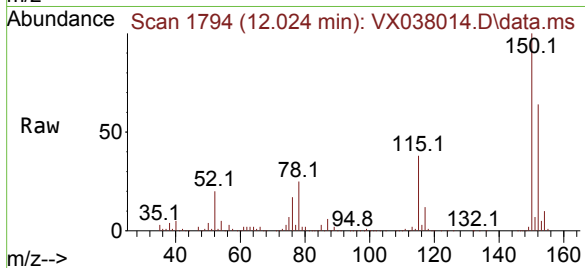
Tgt Ion: 117 Resp: 335694
Ion Ratio Lower Upper
117 100
82 56.1 46.2 69.4
119 32.5 25.5 38.3



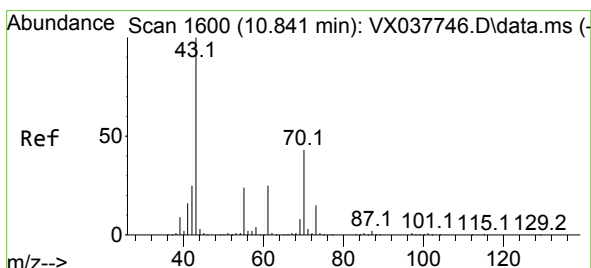
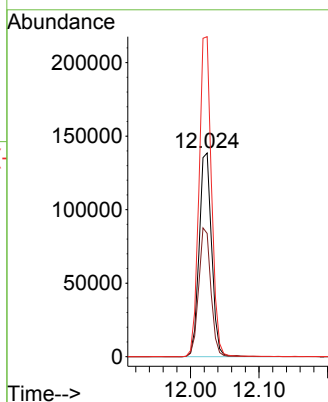
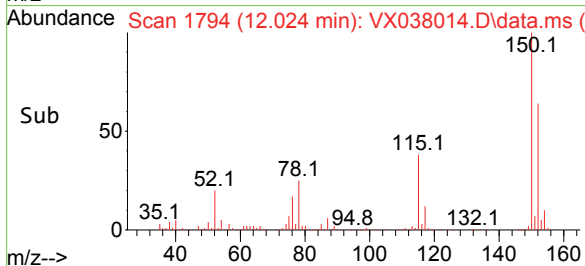


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08

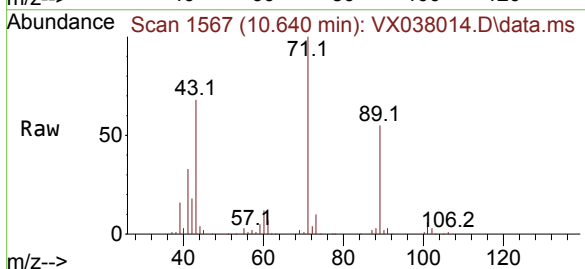
Instrument :
MSVOA_X
ClientSampleId :



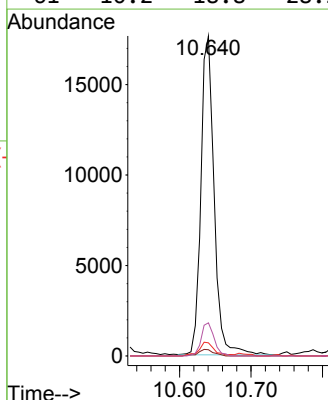
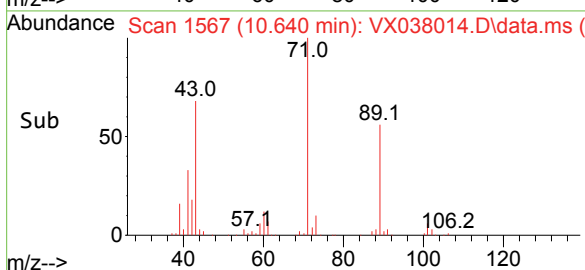
Tgt Ion:152 Resp: 175586
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 157.8 0.0 345.0

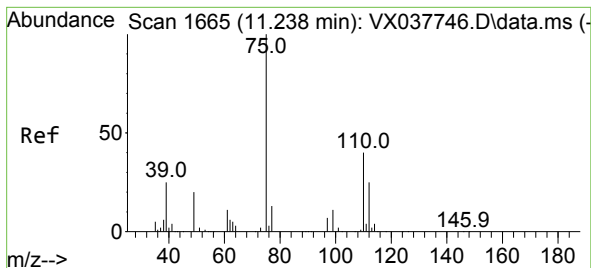


#74
N-ethyl acetate
Concen: 4.341 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.207 min
Lab File: VX038014.D
Acq: 30 Sep 2023 19:08



Tgt Ion: 43 Resp: 22649
Ion Ratio Lower Upper
43 100
70 2.4 32.9 49.3#
55 4.9 19.3 28.9#
61 10.2 18.8 28.2#





#76

1,2,3-Trichloropropane

Concen: 22.399 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

Instrument :

MSVOA_X

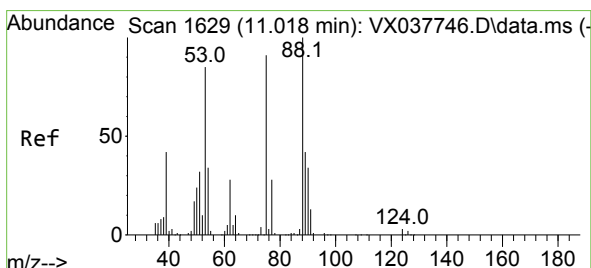
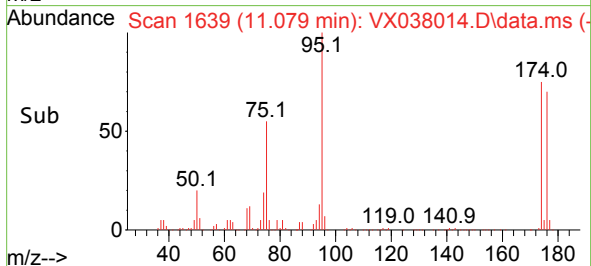
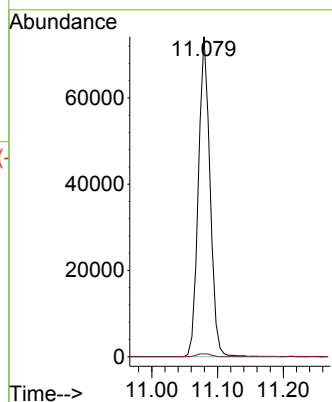
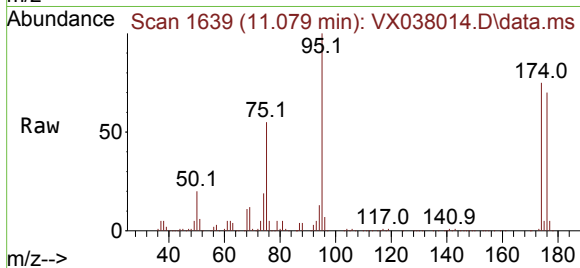
ClientSampleId :

Tgt Ion: 75 Resp: 90965

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 71.752 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

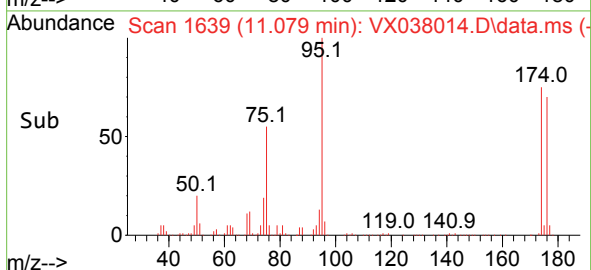
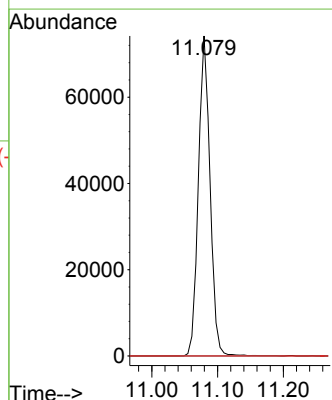
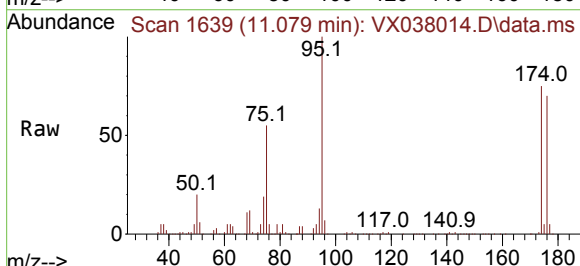
Tgt Ion: 75 Resp: 90965

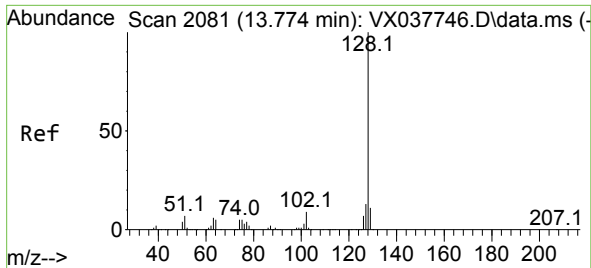
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#95

Naphthalene

Concen: 0.237 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

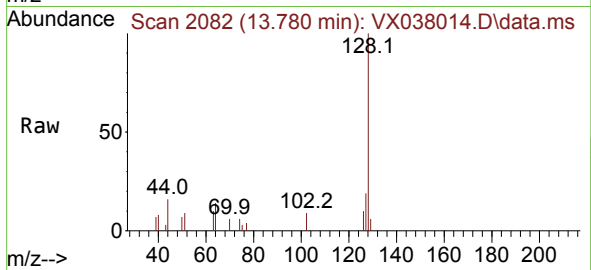
Lab File: VX038014.D

Acq: 30 Sep 2023 19:08

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2866

Ion Ratio Lower Upper

128 100

127 15.6 10.3 15.5#

129 8.8 8.8 13.2#

