

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090923\
 Data File : VX037634.D
 Acq On : 09 Sep 2023 17:50
 Operator : JC/MD
 Sample : 04297-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 11 01:26:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090823W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 09 06:38:11 2023
 Response via : Initial Calibration

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

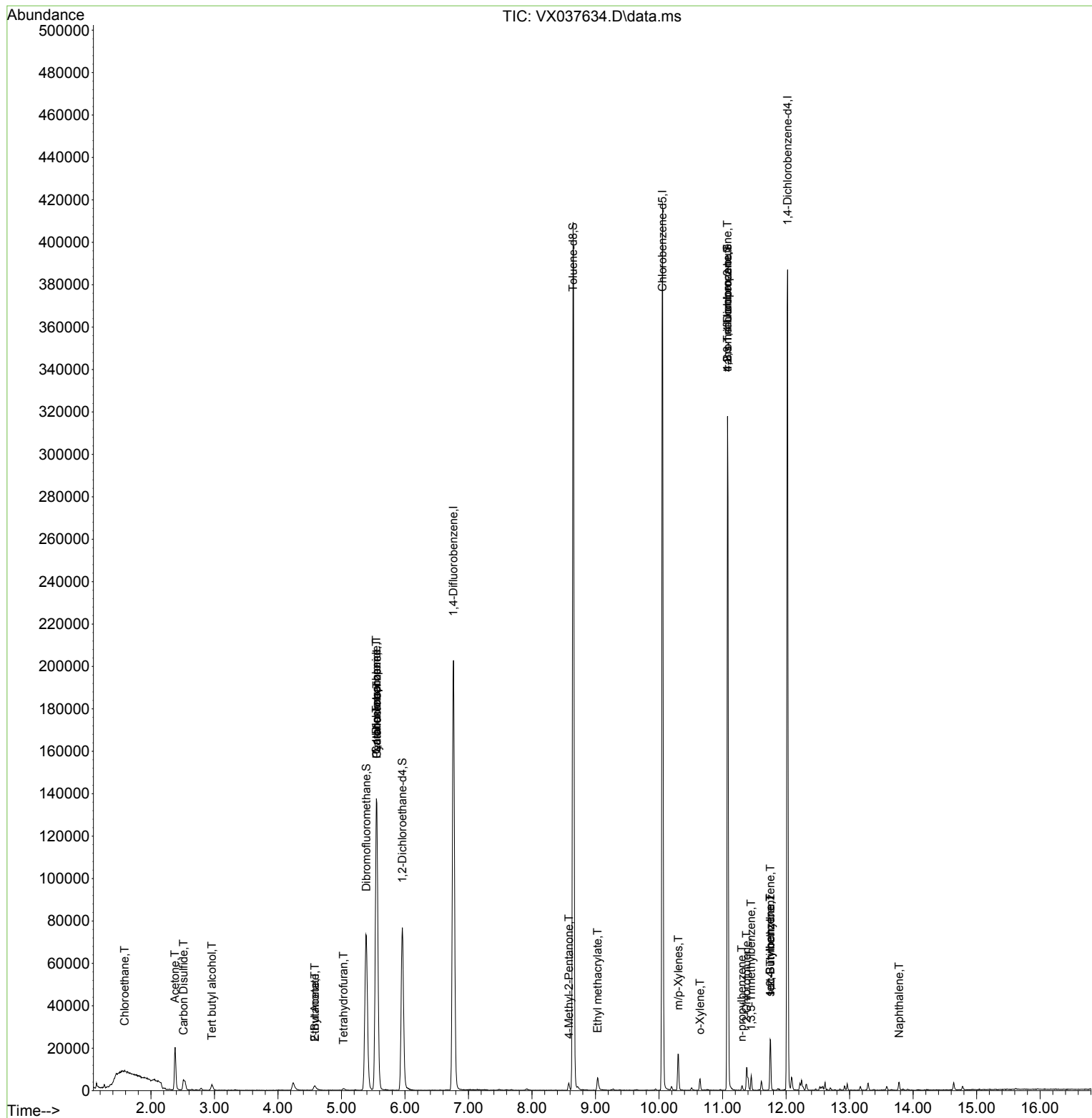
Internal Standards						
1) Pentafluorobenzene	5.556	168	135558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221743	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	198591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86459	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	75089	41.035	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.080%
35) Dibromofluoromethane	5.391	113	67043	43.227	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.460%
50) Toluene-d8	8.647	98	260249	45.750	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.500%#
62) 4-Bromofluorobenzene	11.079	95	93394	43.563	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	87.120%
Target Compounds						
					Qvalue	
6) Chloroethane	1.587	64	2118	2.620	ug/l #	49
11) Tert butyl alcohol	2.959	59	3125	7.632	ug/l #	93
16) Acetone	2.380	43	20772	27.604	ug/l #	88
17) Carbon Disulfide	2.514	76	6153	1.688	ug/l	98
20) Methylene Chloride	2.788	84	532	Below Cal	#	69
25) 2-Butanone	4.580	43	4348	3.810	ug/l #	66
29) Tetrahydrofuran	5.032	42	419	0.573	ug/l #	43
31) Cyclohexane	5.556	56	2026	0.910	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9802	4.784	ug/l #	51
37) Ethyl Acetate	4.580	43	4348	2.070	ug/l #	69
38) Carbon Tetrachloride	5.550	117	13545	6.396	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	2140	1.069	ug/l	100
56) Ethyl methacrylate	9.031	69	1244	0.501	ug/l	90
68) m/p-Xylenes	10.305	106	4495	1.541	ug/l	97
69) o-Xylene	10.646	106	1349	0.465	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	42071	20.786	ug/l #	38
78) n-propylbenzene	11.305	91	1574	0.218	ug/l	95
79) 2-Chlorotoluene	11.378	91	1012	0.221	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	3469	0.630	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	42071	62.289	ug/l #	5
83) tert-Butylbenzene	11.750	119	1456	0.262	ug/l #	65
84) 1,2,4-Trimethylbenzene	11.756	105	11617	2.109	ug/l	94
85) sec-Butylbenzene	11.756	105	11617	1.735	ug/l #	57
95) Naphthalene	13.780	128	3522	0.547	ug/l	97

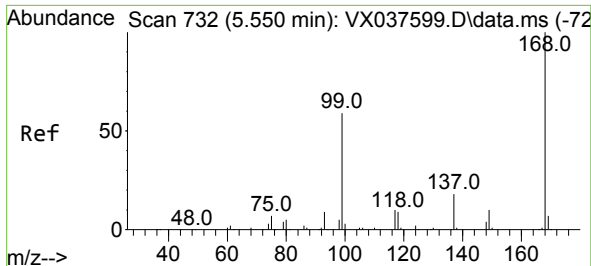
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

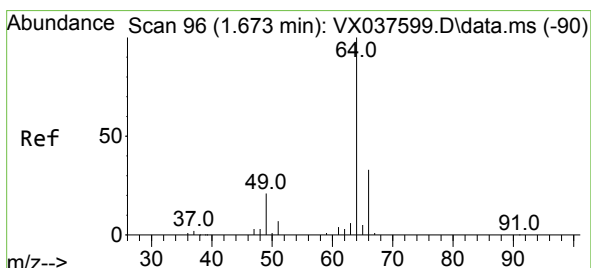
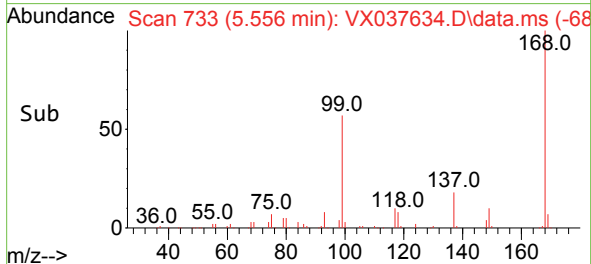
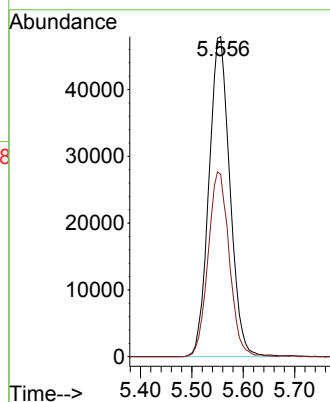
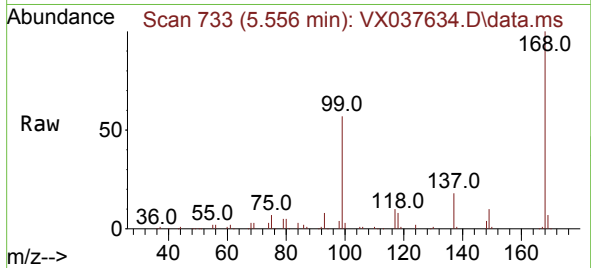




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

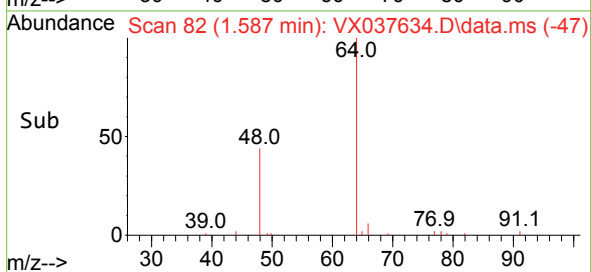
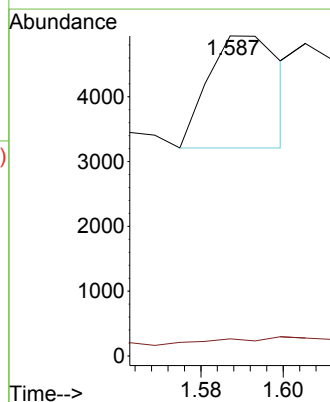
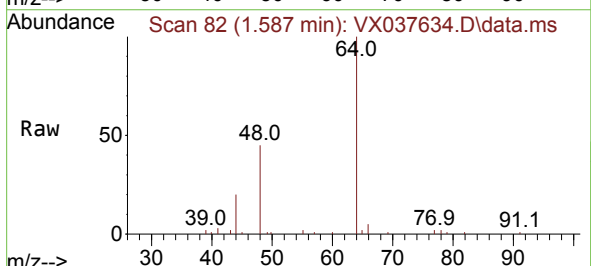
Instrument :
MSVOA_X
ClientSampleId :

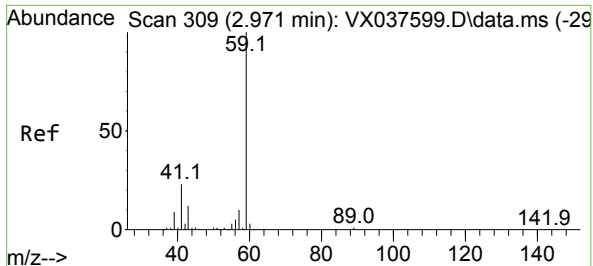
Tgt Ion:168 Resp: 135558
Ion Ratio Lower Upper
168 100
99 57.0 56.6 85.0



#6
Chloroethane
Concen: 2.620 ug/l
RT: 1.587 min Scan# 82
Delta R.T. -0.086 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Tgt Ion: 64 Resp: 2118
Ion Ratio Lower Upper
64 100
66 3.2 25.1 37.7#





#11

Tert butyl alcohol

Concen: 7.632 ug/l

RT: 2.959 min Scan# 309

Delta R.T. -0.012 min

Lab File: VX037634.D

Acq: 09 Sep 2023 17:50

Instrument :

MSVOA_X

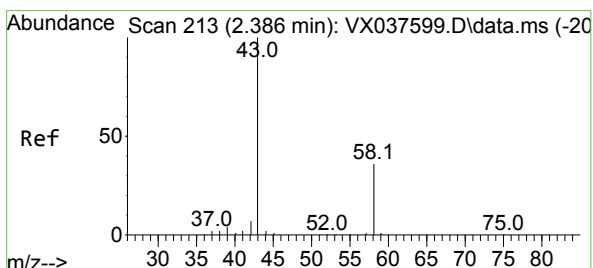
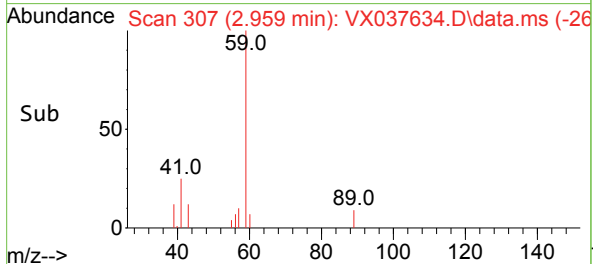
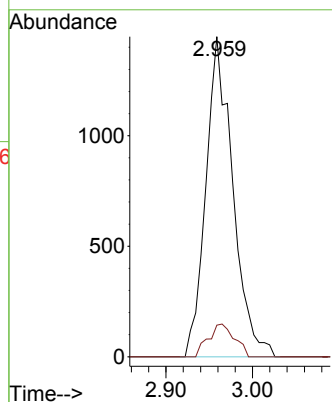
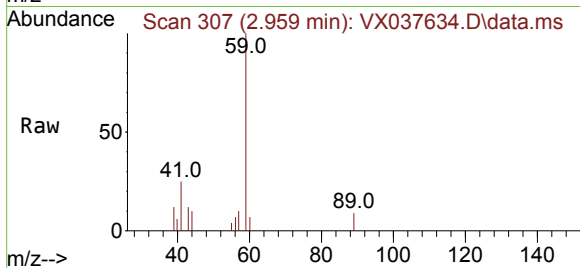
ClientSampleId :

Tgt Ion: 59 Resp: 3125

Ion Ratio Lower Upper

59 100

57 10.0 6.0 9.0#



#16

Acetone

Concen: 27.604 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX037634.D

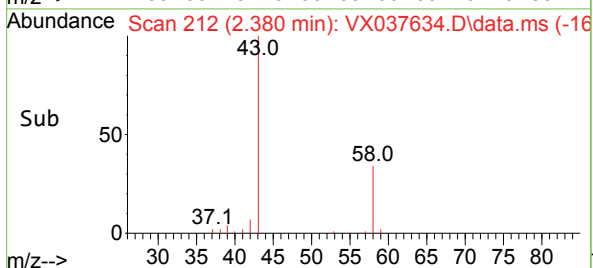
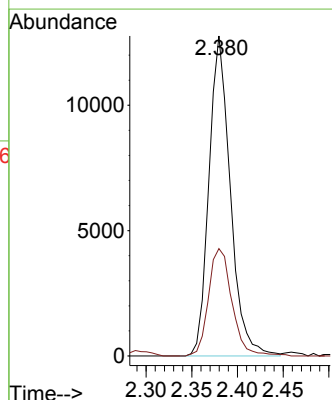
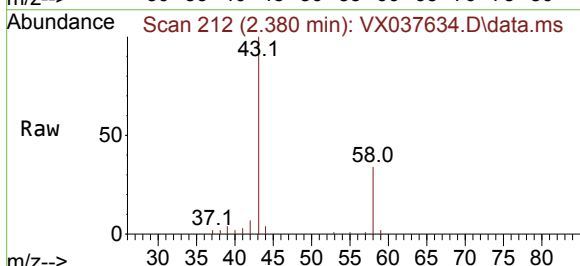
Acq: 09 Sep 2023 17:50

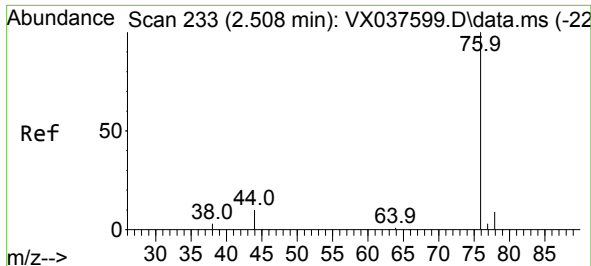
Tgt Ion: 43 Resp: 20772

Ion Ratio Lower Upper

43 100

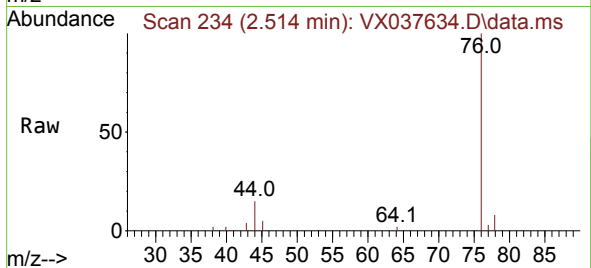
58 33.5 21.9 32.9#



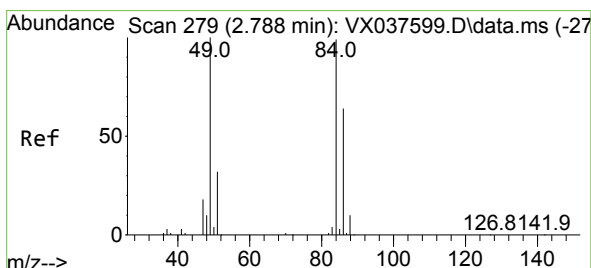
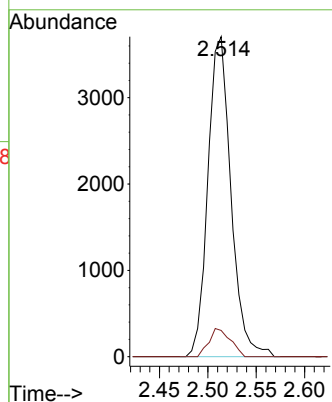
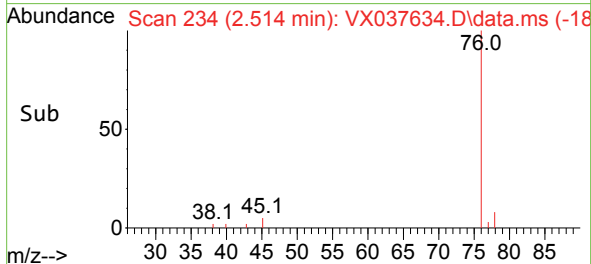


#17
Carbon Disulfide
Concen: 1.688 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Instrument :
MSVOA_X
ClientSampleId :

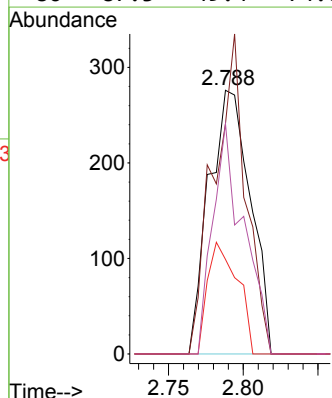
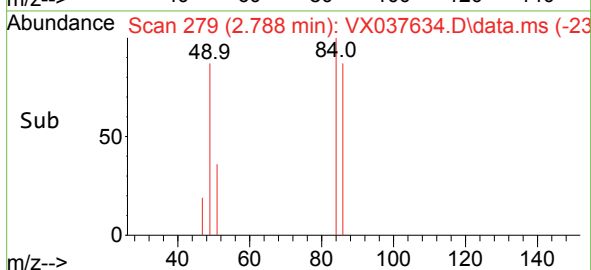
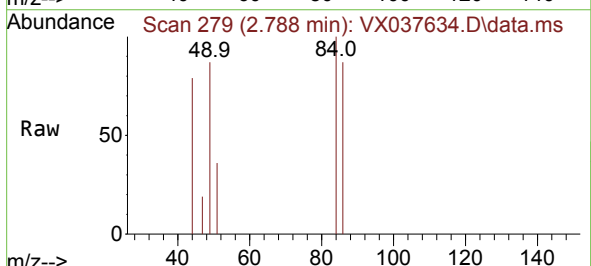


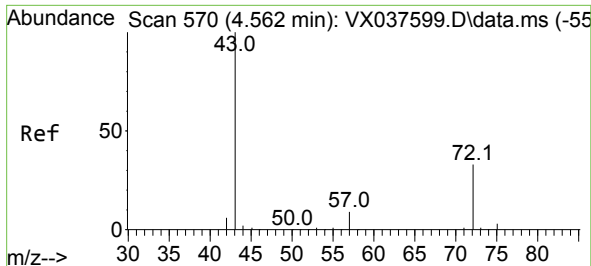
Tgt Ion: 76 Resp: 6153
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Tgt Ion: 84 Resp: 532
Ion Ratio Lower Upper
84 100
49 87.3 103.6 155.4#
51 35.9 33.8 50.6
86 87.3 49.4 74.0#

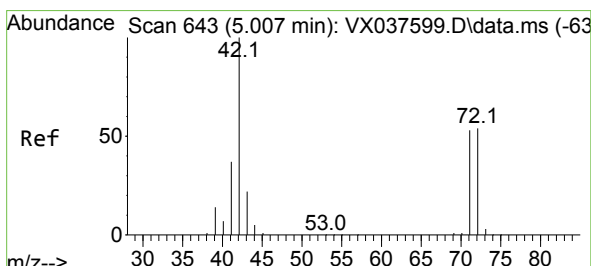
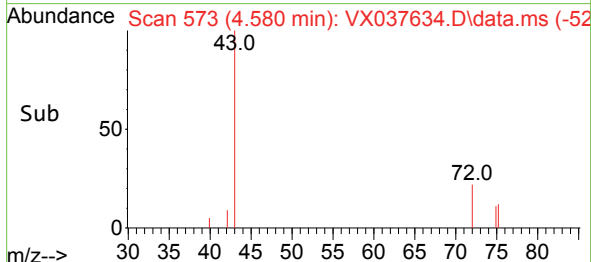
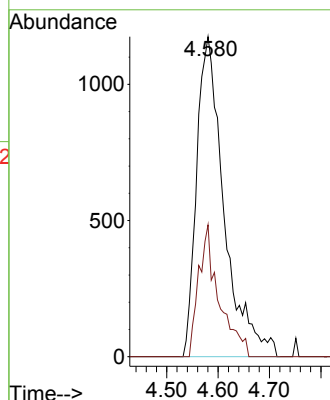
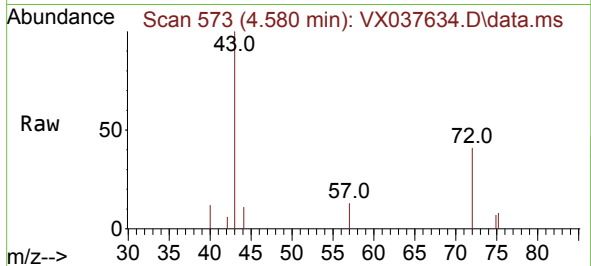




#25
2-Butanone
Concen: 3.810 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

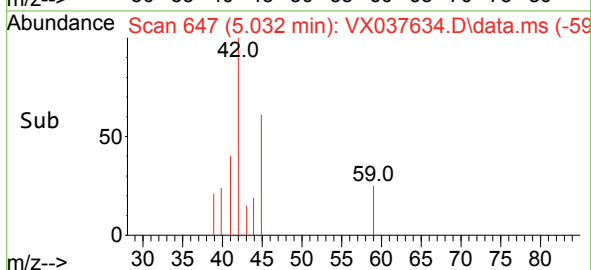
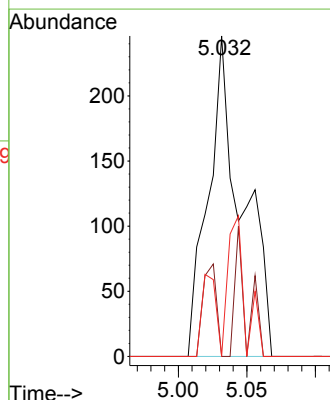
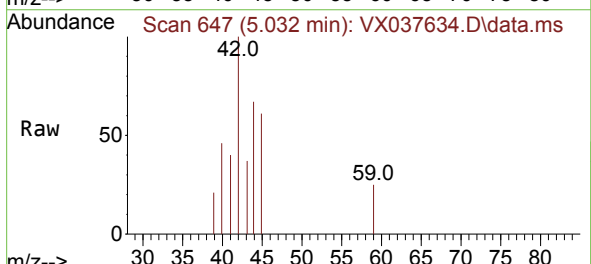
Instrument :
MSVOA_X
ClientSampleId :

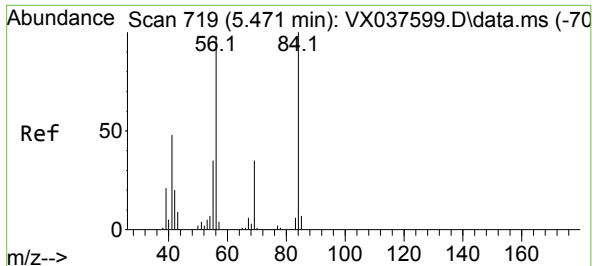
Tgt Ion: 43 Resp: 4348
Ion Ratio Lower Upper
43 100
72 41.2 19.4 29.2#



#29
Tetrahydrofuran
Concen: 0.573 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

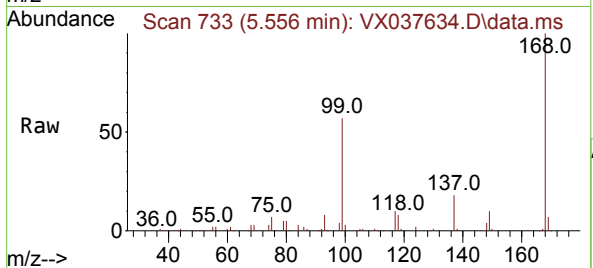
Tgt Ion: 42 Resp: 419
Ion Ratio Lower Upper
42 100
72 11.7 34.2 51.4#
71 0.0 32.2 48.2#



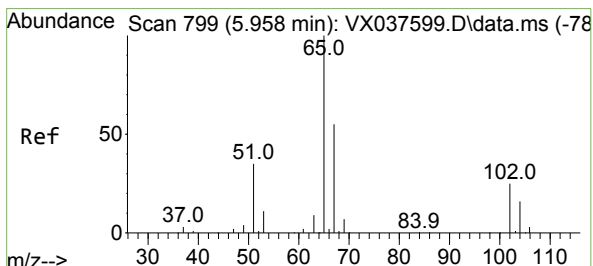
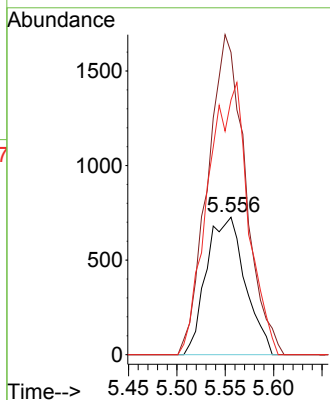
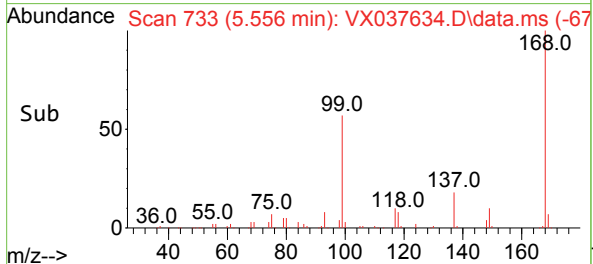


#31
Cyclohexane
Concen: 0.910 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Instrument :
MSVOA_X
ClientSampleId :

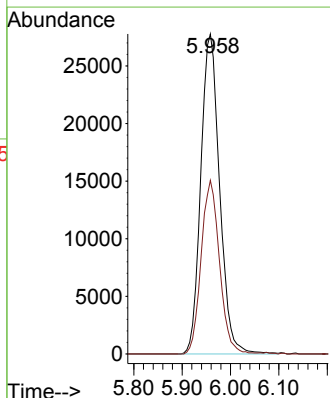
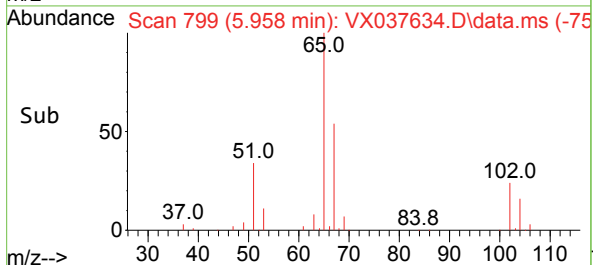
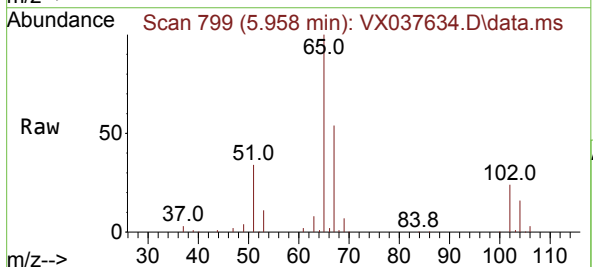


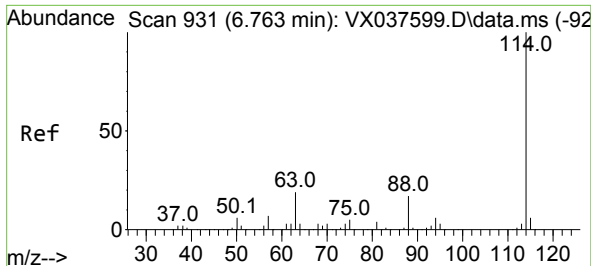
Tgt Ion: 56 Resp: 2026
Ion Ratio Lower Upper
56 100
69 219.8 23.4 35.2#
84 185.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 41.035 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Tgt Ion: 65 Resp: 75089
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

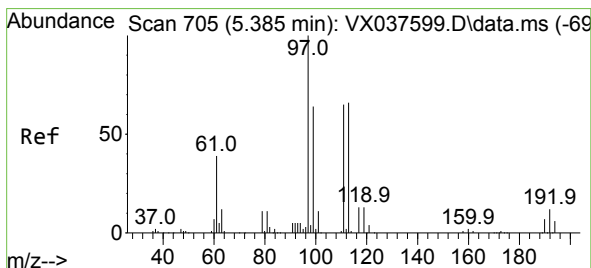
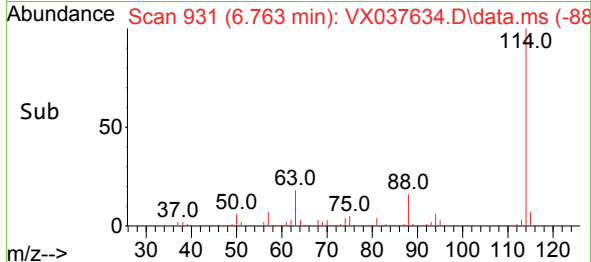
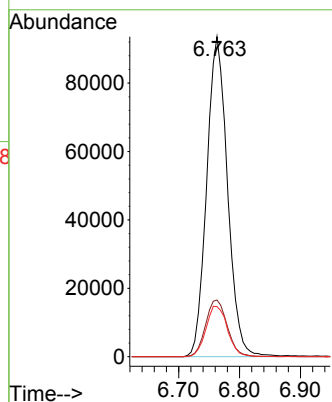
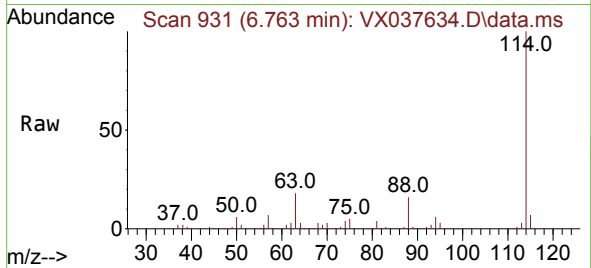




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

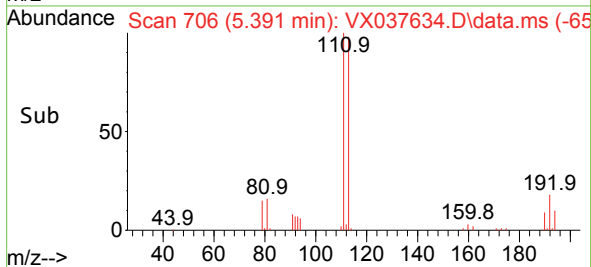
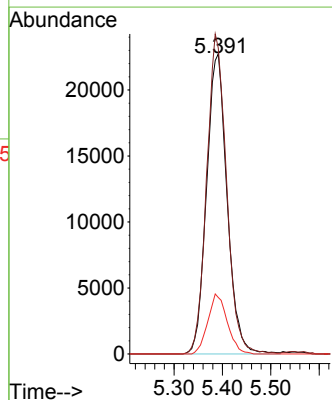
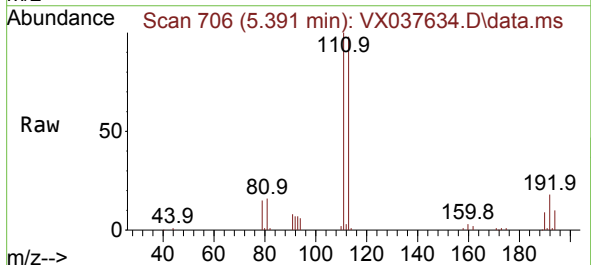
Instrument :
MSVOA_X
ClientSampleId :

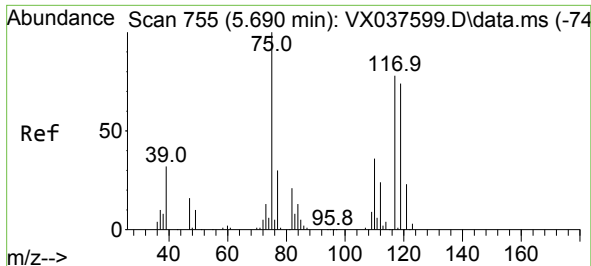
Tgt Ion:114 Resp: 221743
Ion Ratio Lower Upper
114 100
63 17.7 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 43.227 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

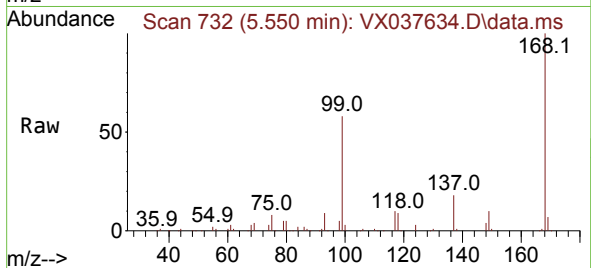
Tgt Ion:113 Resp: 67043
Ion Ratio Lower Upper
113 100
111 103.4 82.9 124.3
192 18.9 13.3 19.9



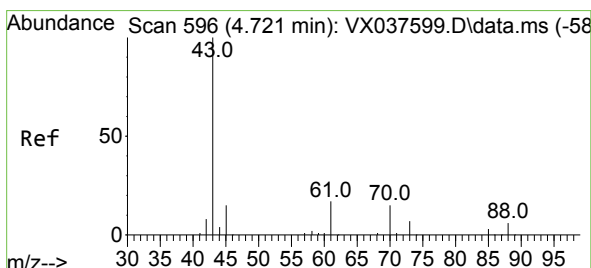
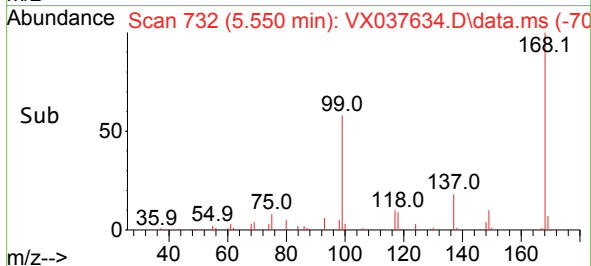
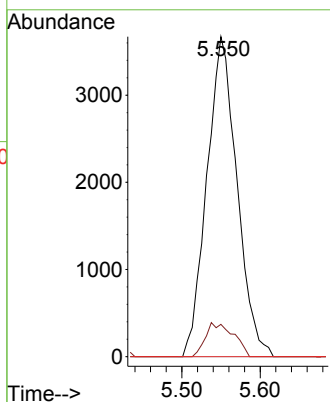


#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Instrument :
MSVOA_X
ClientSampleId :

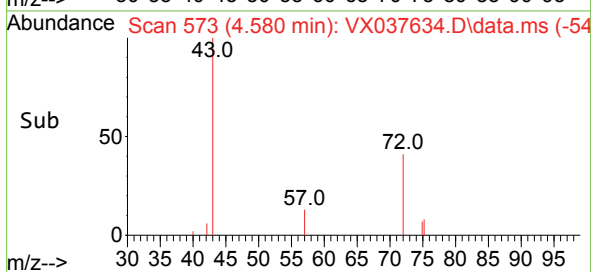
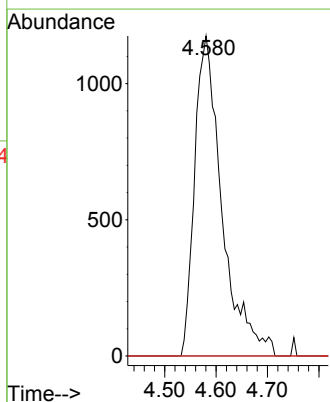
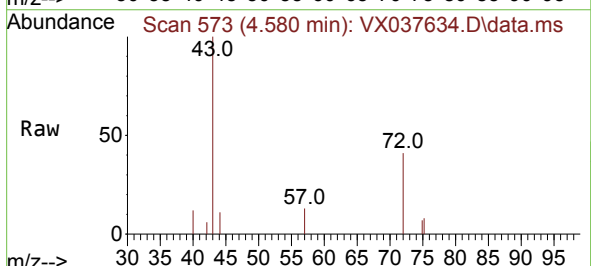


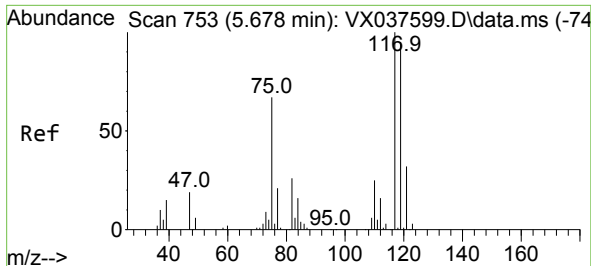
Tgt Ion: 75 Resp: 9802
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 2.070 ug/l
RT: 4.580 min Scan# 573
Delta R.T. -0.140 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

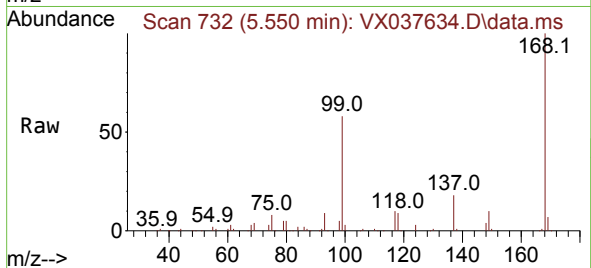
Tgt Ion: 43 Resp: 4348
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



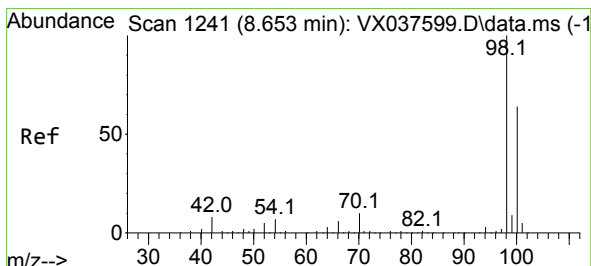
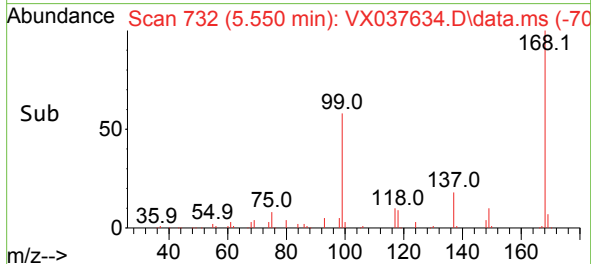
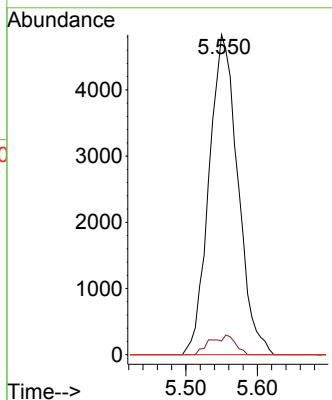


#38
Carbon Tetrachloride
Concen: 6.396 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Instrument :
MSVOA_X
ClientSampleId :

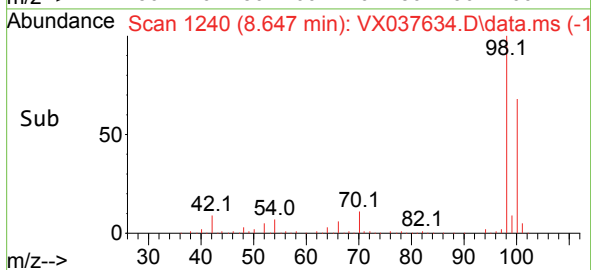
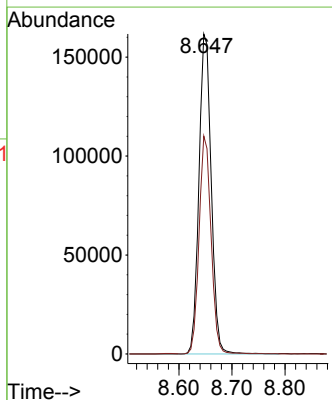
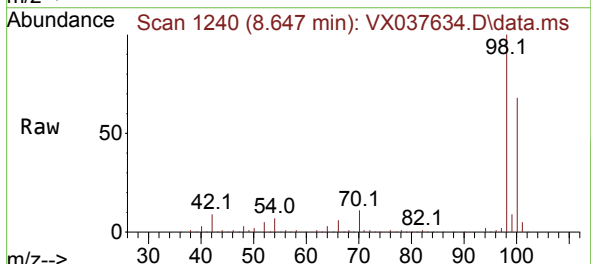


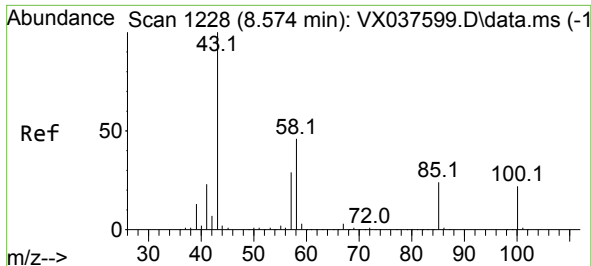
Tgt Ion:117 Resp: 13545
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.750 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Tgt Ion: 98 Resp: 260249
Ion Ratio Lower Upper
98 100
100 66.8 53.1 79.7

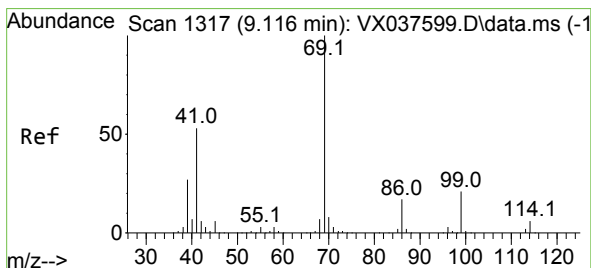
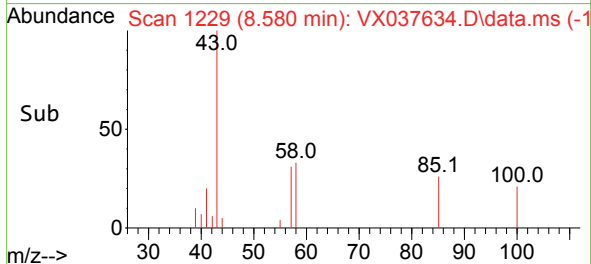
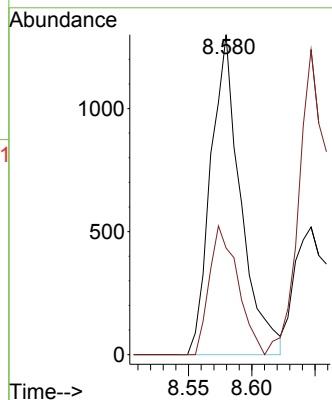
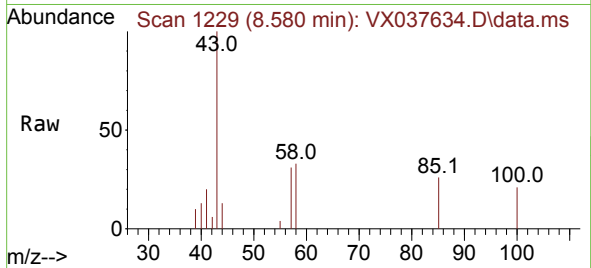




#51
4-Methyl-2-Pentanone
Concen: 1.069 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

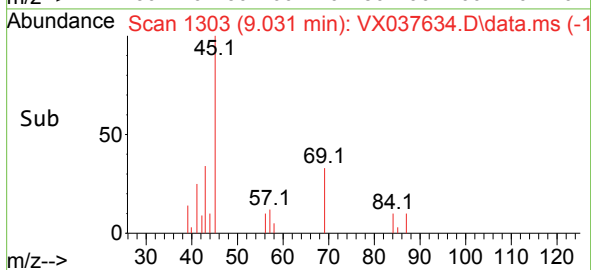
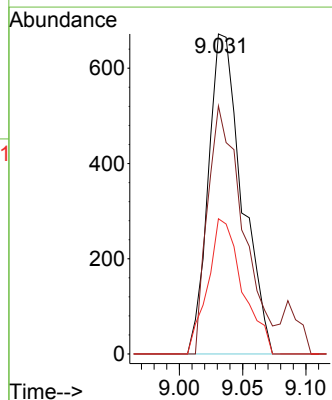
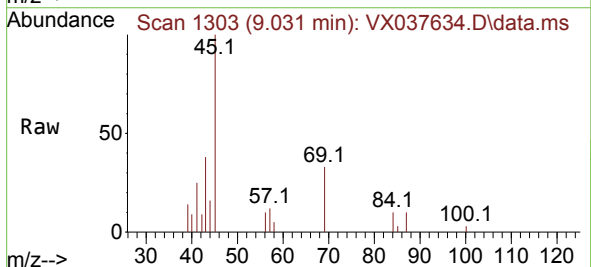
Instrument :
MSVOA_X
ClientSampleId :

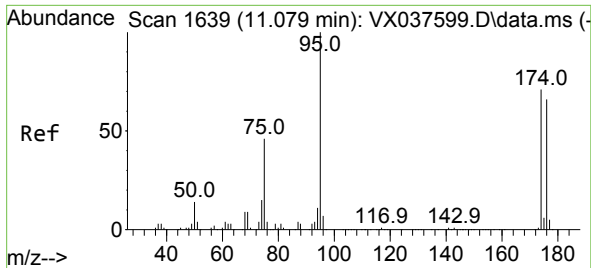
Tgt Ion: 43 Resp: 2140
Ion Ratio Lower Upper
43 100
58 38.3 30.4 45.6



#56
Ethyl methacrylate
Concen: 0.501 ug/l
RT: 9.031 min Scan# 1303
Delta R.T. -0.085 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Tgt Ion: 69 Resp: 1244
Ion Ratio Lower Upper
69 100
41 81.3 56.8 85.2
39 43.6 32.0 48.0

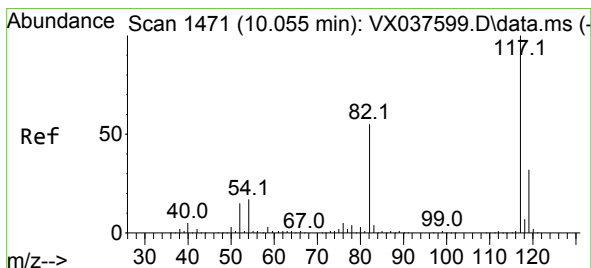
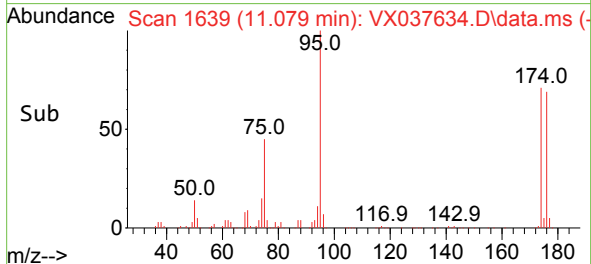
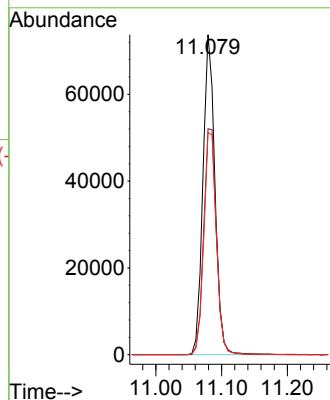
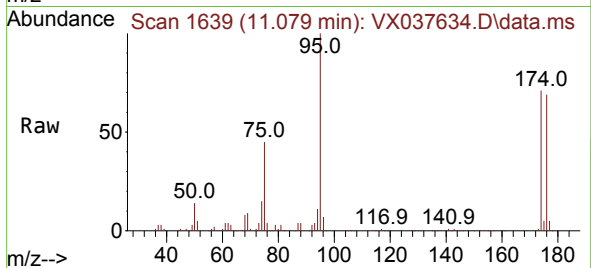




#62
4-Bromofluorobenzene
Concen: 43.563 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

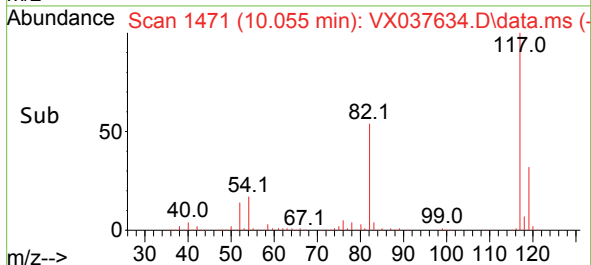
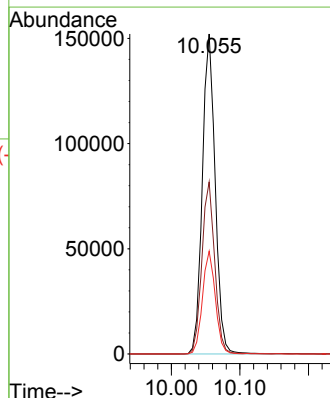
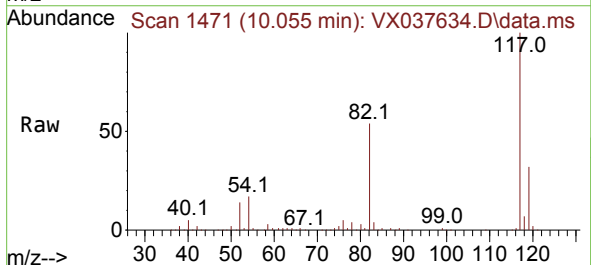
Instrument :
MSVOA_X
ClientSampleId :

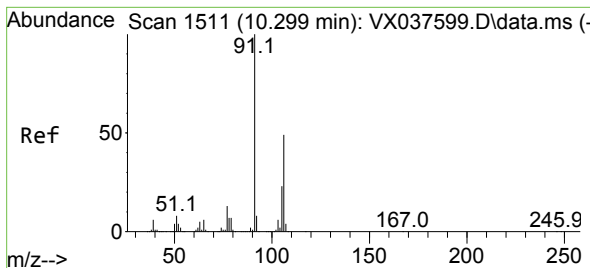
Tgt Ion: 95 Resp: 93394
Ion Ratio Lower Upper
95 100
174 75.0 0.0 135.6
176 72.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

Tgt Ion: 117 Resp: 198591
Ion Ratio Lower Upper
117 100
82 53.8 46.2 69.4
119 32.1 25.5 38.3

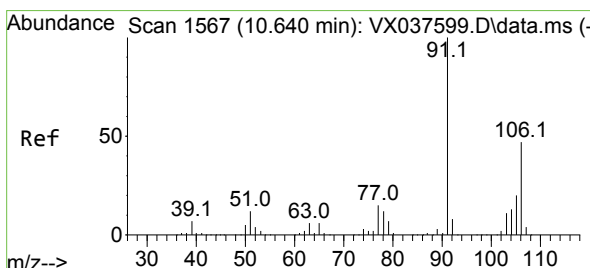
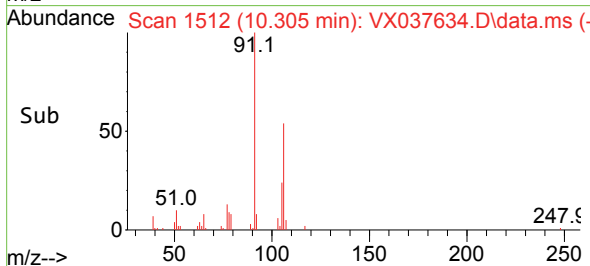
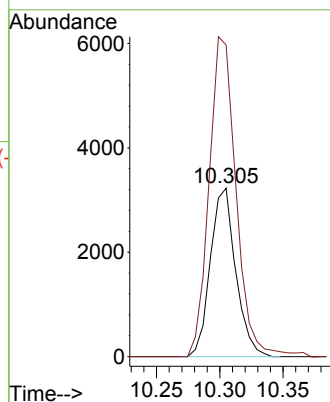
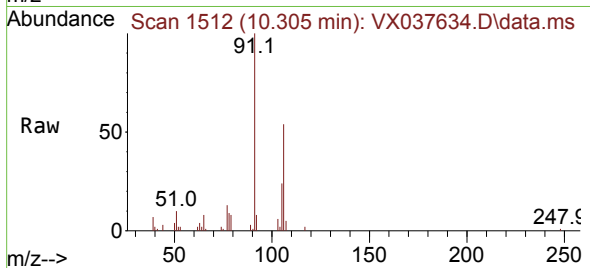




#68
m/p-Xylenes
Concen: 1.541 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

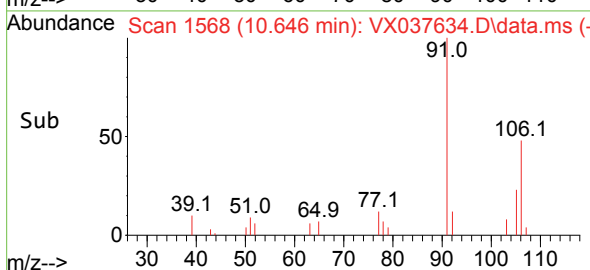
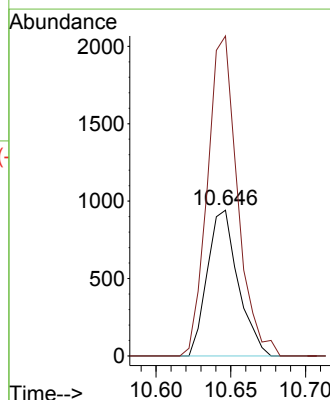
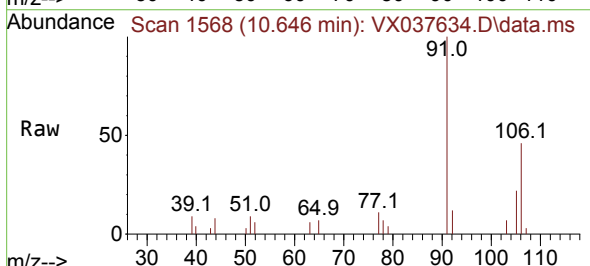
Instrument :
MSVOA_X
ClientSampleId :

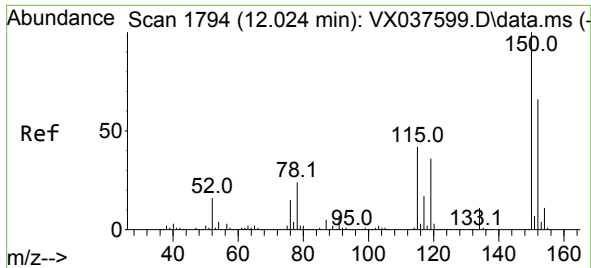
Tgt Ion:106 Resp: 4495
Ion Ratio Lower Upper
106 100
91 202.8 165.5 248.3



#69
o-Xylene
Concen: 0.465 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX037634.D
Acq: 09 Sep 2023 17:50

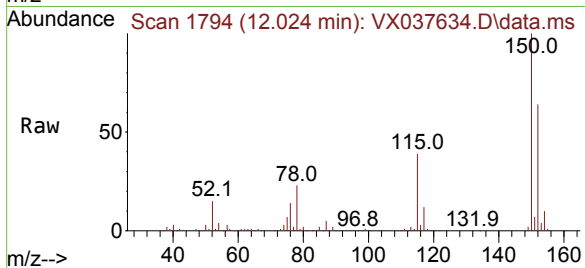
Tgt Ion:106 Resp: 1349
Ion Ratio Lower Upper
106 100
91 214.5 108.9 326.8



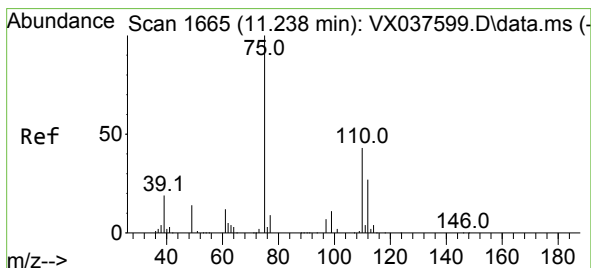
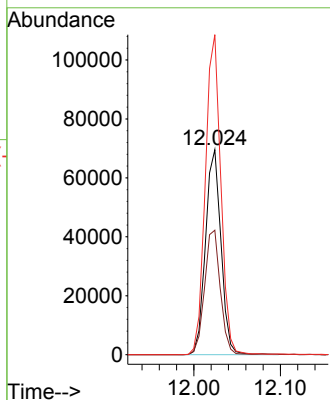
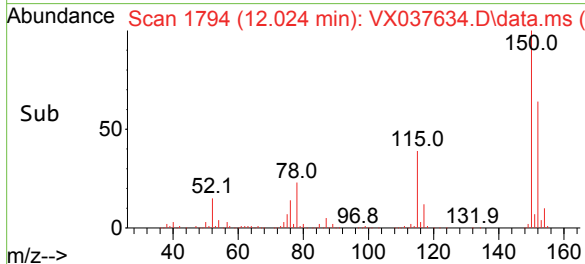


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX037634.D
 Acq: 09 Sep 2023 17:50

Instrument :
 MSVOA_X
 ClientSampleId :

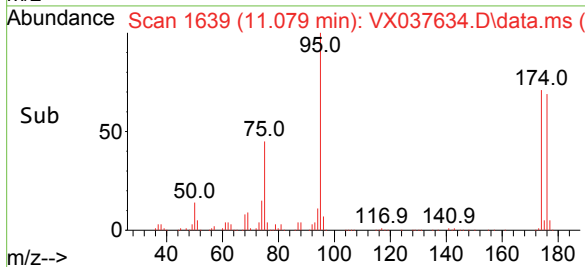
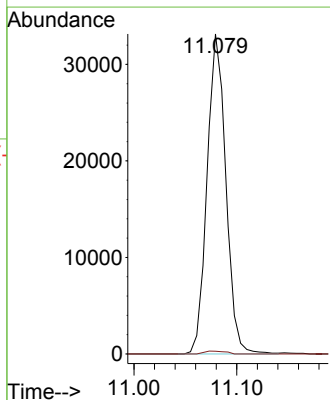
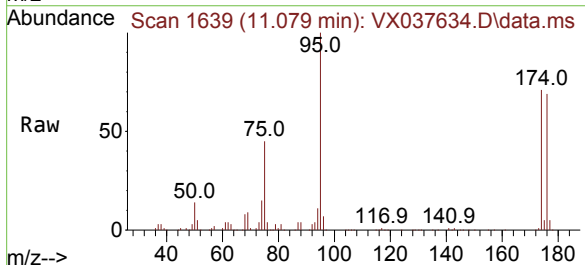


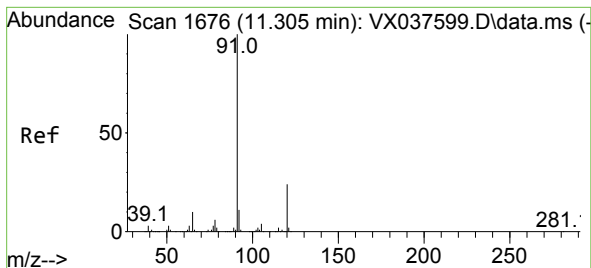
Tgt Ion:152 Resp: 86459
 Ion Ratio Lower Upper
 152 100
 115 61.7 43.3 129.9
 150 155.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 20.786 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX037634.D
 Acq: 09 Sep 2023 17:50

Tgt Ion: 75 Resp: 42071
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#78

n-propylbenzene

Concen: 0.218 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX037634.D

Acq: 09 Sep 2023 17:50

Instrument :

MSVOA_X

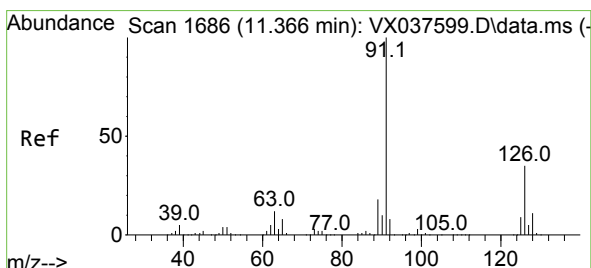
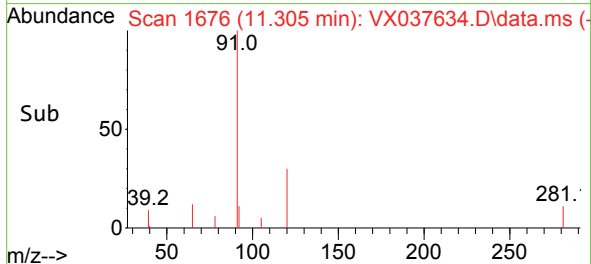
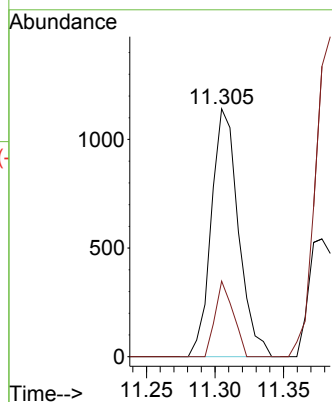
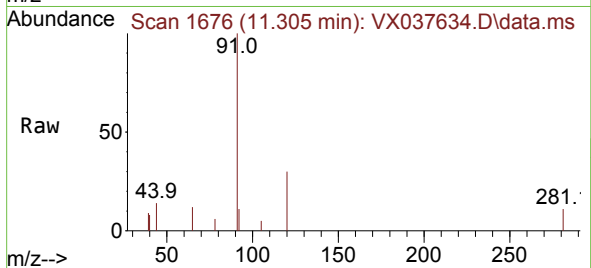
ClientSampleId :

Tgt Ion: 91 Resp: 1574

Ion Ratio Lower Upper

91 100

120 20.3 11.5 34.4



#79

2-Chlorotoluene

Concen: 0.221 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.012 min

Lab File: VX037634.D

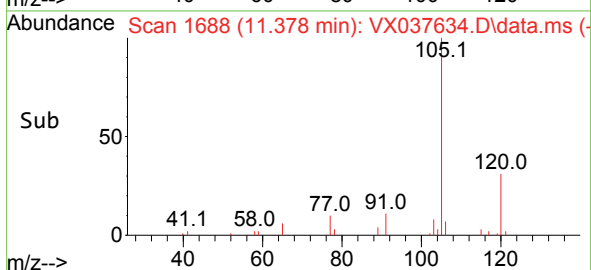
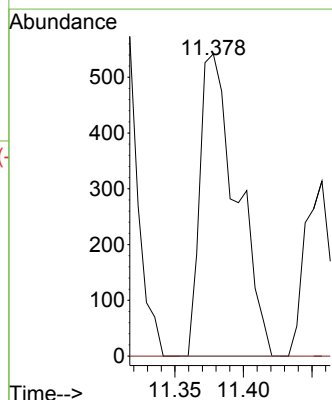
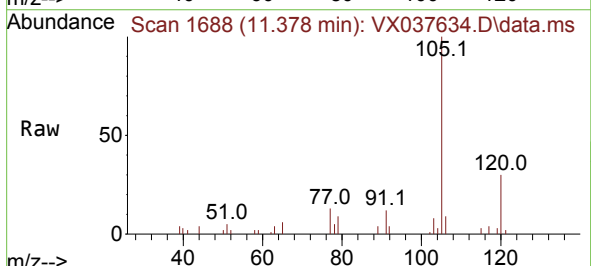
Acq: 09 Sep 2023 17:50

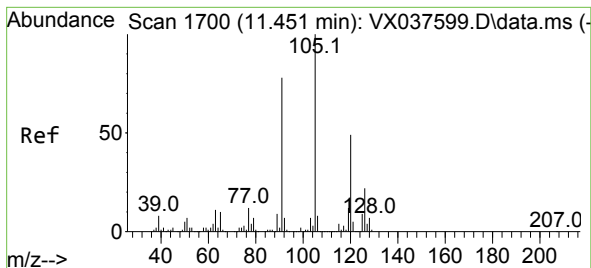
Tgt Ion: 91 Resp: 1012

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.630 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037634.D

Acq: 09 Sep 2023 17:50

Instrument :

MSVOA_X

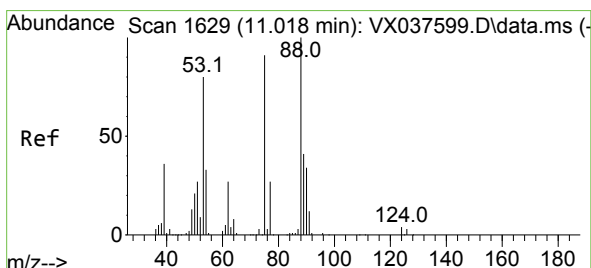
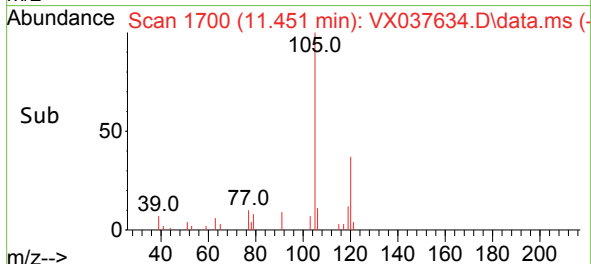
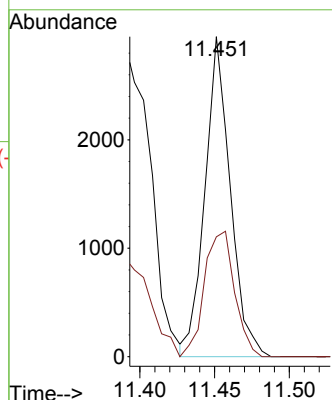
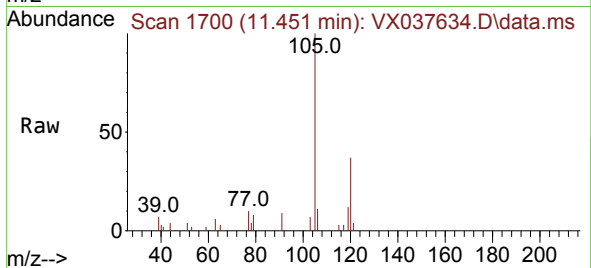
ClientSampleId :

Tgt Ion:105 Resp: 3469

Ion Ratio Lower Upper

105 100

120 46.8 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 62.289 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037634.D

Acq: 09 Sep 2023 17:50

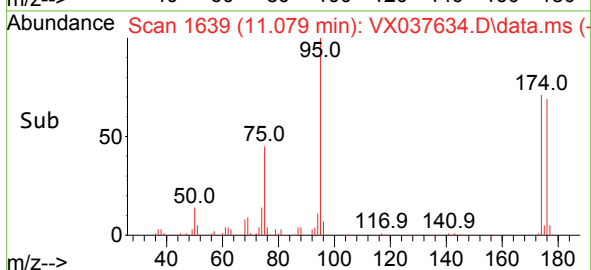
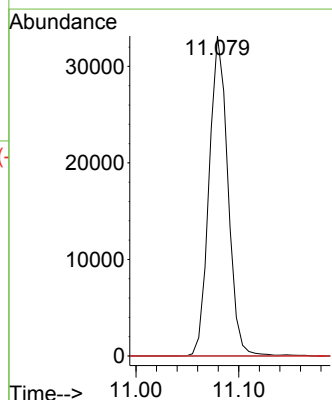
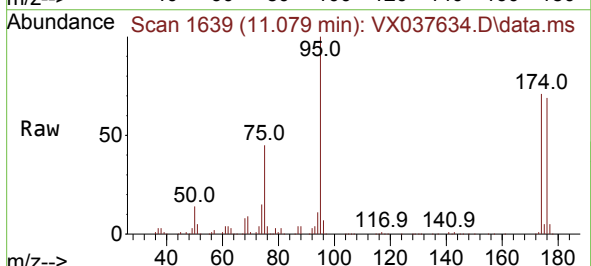
Tgt Ion: 75 Resp: 42071

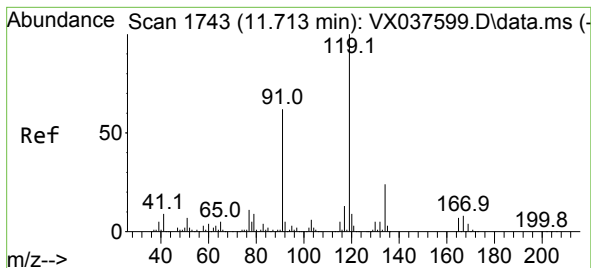
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.262 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.037 min

Lab File: VX037634.D

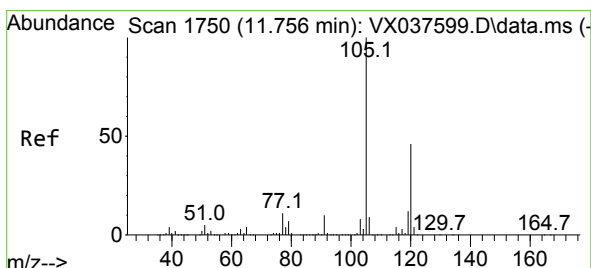
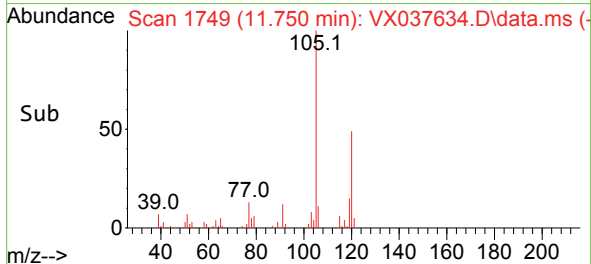
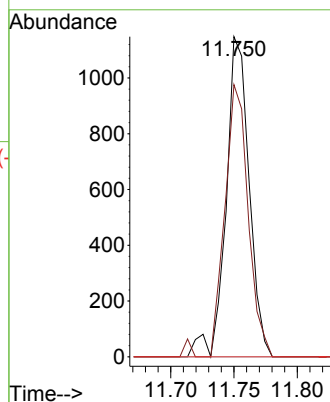
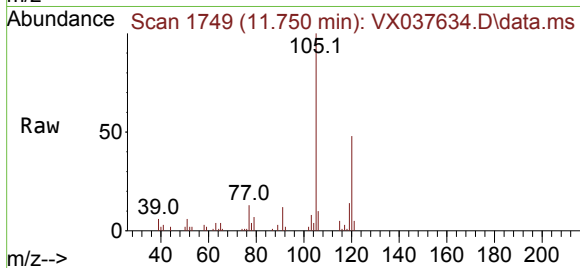
Acq: 09 Sep 2023 17:50

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:119	Resp:	1456
Ion Ratio	Lower	Upper
119	100	
91	85.4	31.2 93.6
134	0.0	11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 2.109 ug/l

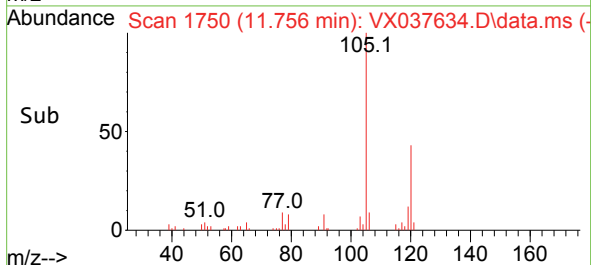
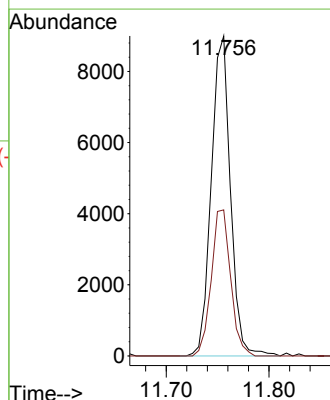
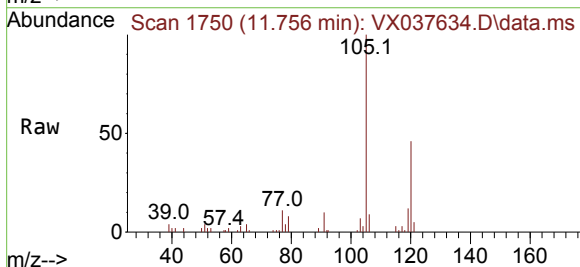
RT: 11.756 min Scan# 1750

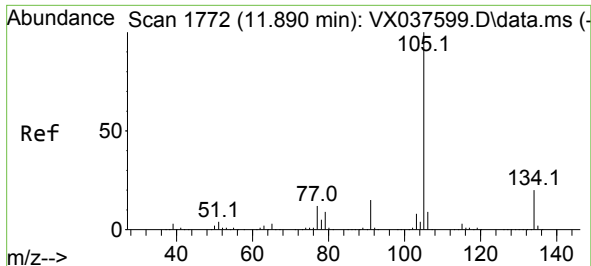
Delta R.T. -0.000 min

Lab File: VX037634.D

Acq: 09 Sep 2023 17:50

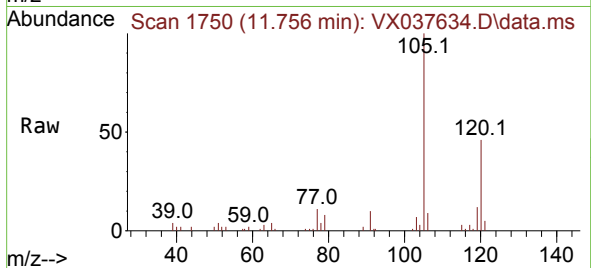
Tgt Ion:105	Resp:	11617
Ion Ratio	Lower	Upper
105	100	
120	46.3	21.2 63.6



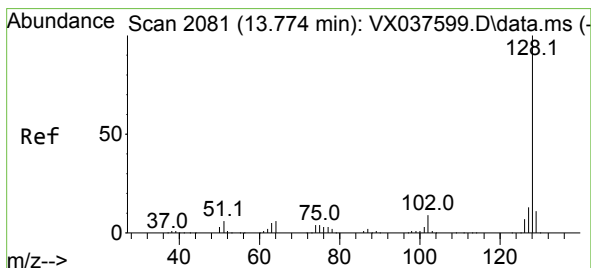
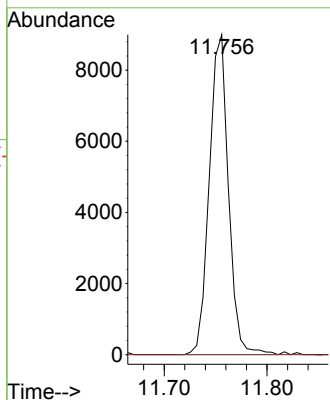
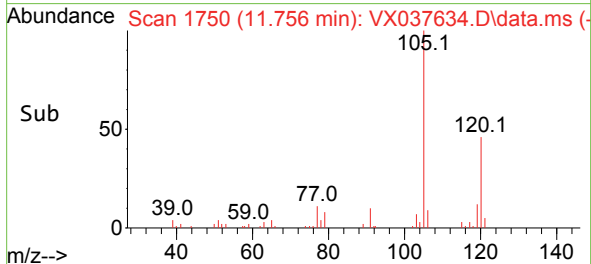


#85
 sec-Butylbenzene
 Concen: 1.735 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX037634.D
 Acq: 09 Sep 2023 17:50

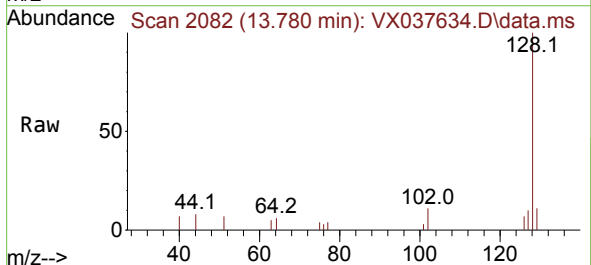
Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:105 Resp: 11617
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#95
 Naphthalene
 Concen: 0.547 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX037634.D
 Acq: 09 Sep 2023 17:50



Tgt Ion:128 Resp: 3522
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.3 15.5
 129 9.4 8.8 13.2

