

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091223\
 Data File : VX037666.D
 Acq On : 12 Sep 2023 14:11
 Operator : JC/MD
 Sample : 04373-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 13 01:44:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 10:10:04 2023
 Response via : Initial Calibration

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

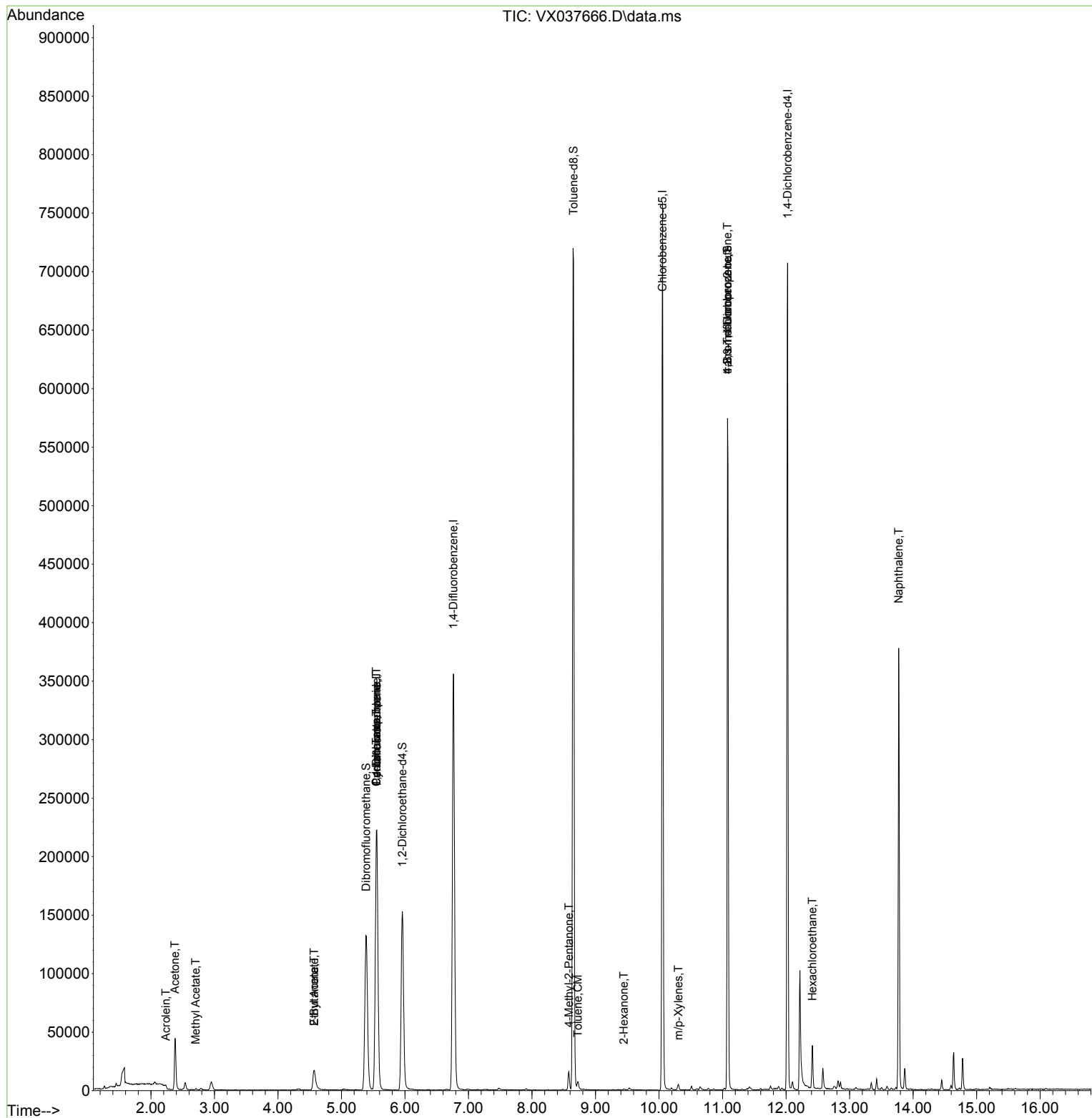
Internal Standards						
1) Pentafluorobenzene	5.556	168	207230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	363052	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	328613	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140784	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	149259	44.517	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	89.040%	
35) Dibromofluoromethane	5.385	113	115749	44.980	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	89.960%	
50) Toluene-d8	8.653	98	444655	45.816	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	91.640%#	
62) 4-Bromofluorobenzene	11.079	95	149009	42.557	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	85.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	5952	Below Cal	#	94
13) Acrolein	2.233	56	426	0.778	ug/l #	4
16) Acetone	2.380	43	45837	33.816	ug/l	93
18) Methyl Acetate	2.703	43	1424	0.249	ug/l #	83
20) Methylene Chloride	2.782	84	649	Below Cal	#	79
25) 2-Butanone	4.568	43	27487	12.436	ug/l	96
31) Cyclohexane	5.550	56	5349	1.385	ug/l #	5
36) 1,1-Dichloropropene	5.550	75	17672	5.048	ug/l #	51
37) Ethyl Acetate	4.568	43	27487	6.862	ug/l #	69
38) Carbon Tetrachloride	5.550	117	22226	6.215	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	9722	2.317	ug/l	93
52) Toluene	8.720	92	2143	0.314	ug/l	83
59) 2-Hexanone	9.445	43	919	0.284	ug/l	90
68) m/p-Xylenes	10.305	106	964	0.203	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	80195	25.910	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	80195	78.760	ug/l #	5
90) Hexachloroethane	12.414	117	1519	1.000	ug/l #	17
95) Naphthalene	13.774	128	226768	21.906	ug/l	99

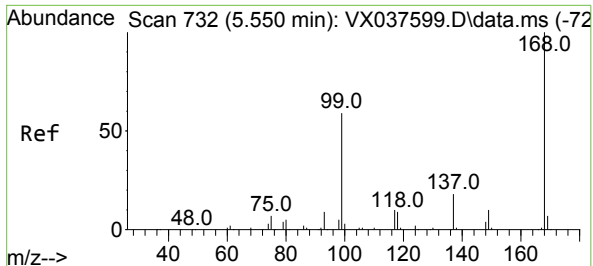
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

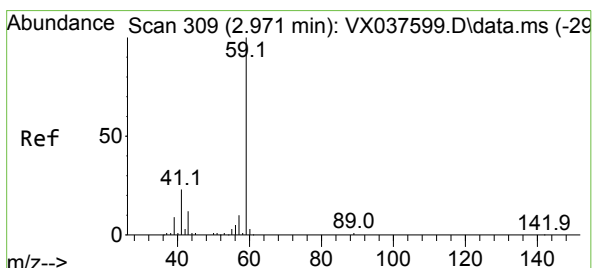
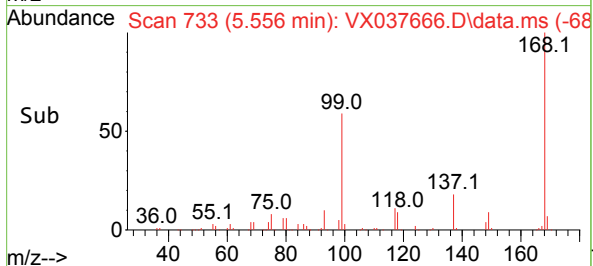
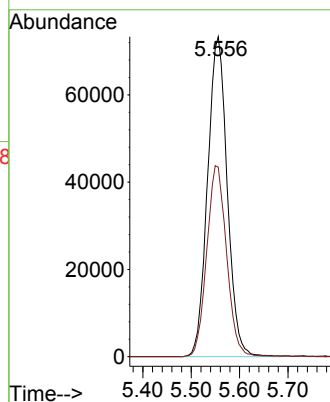
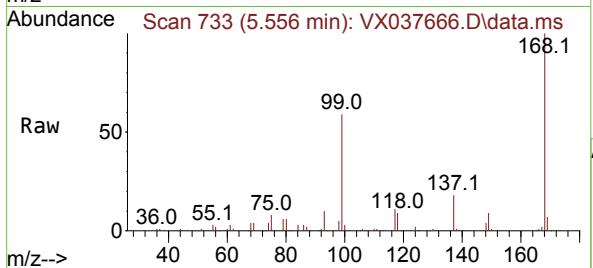




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

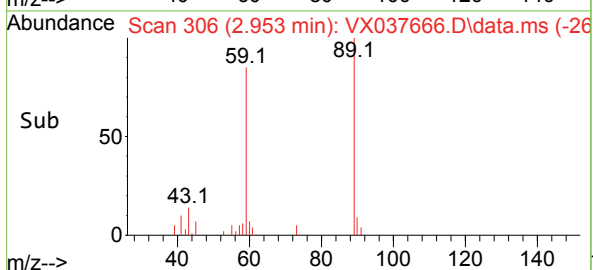
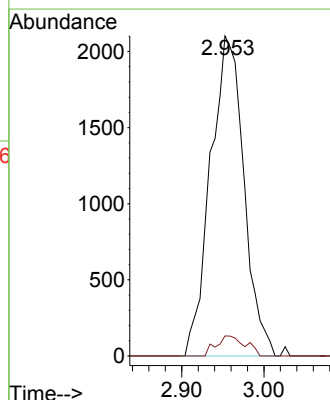
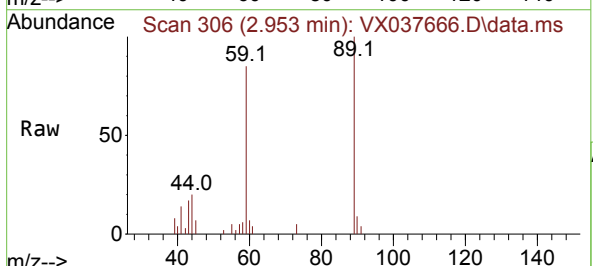
Instrument :
MSVOA_X
ClientSampleId :

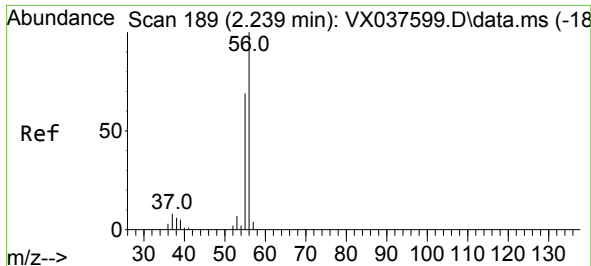
Tgt Ion:168 Resp: 207230
Ion Ratio Lower Upper
168 100
99 59.2 56.6 85.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion: 59 Resp: 5952
Ion Ratio Lower Upper
59 100
57 5.4 6.0 9.0#

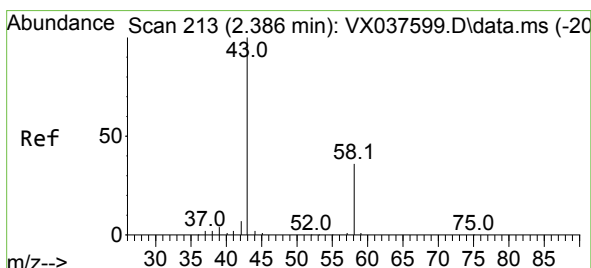
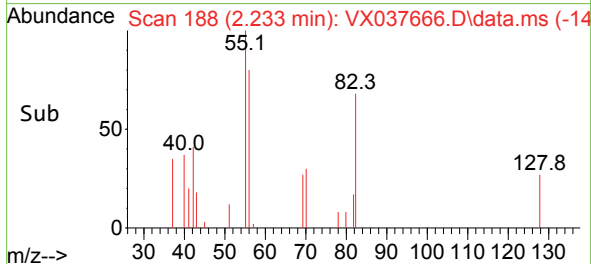
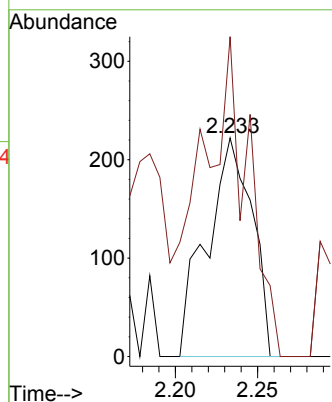
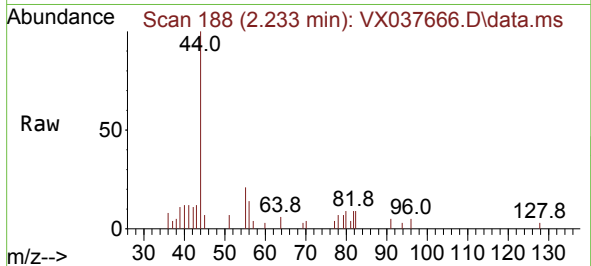




#13
Acrolein
Concen: 0.778 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

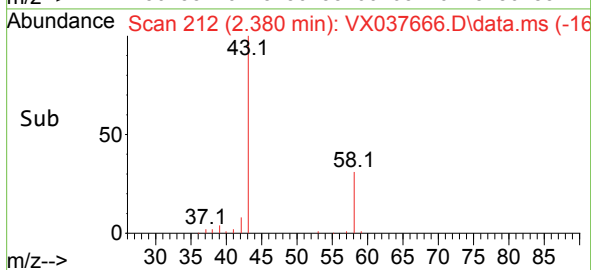
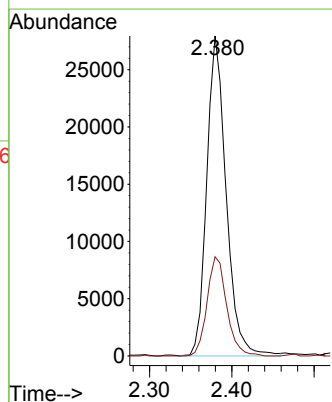
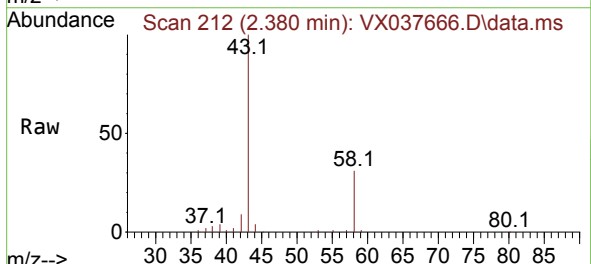
Instrument :
MSVOA_X
ClientSampleId :

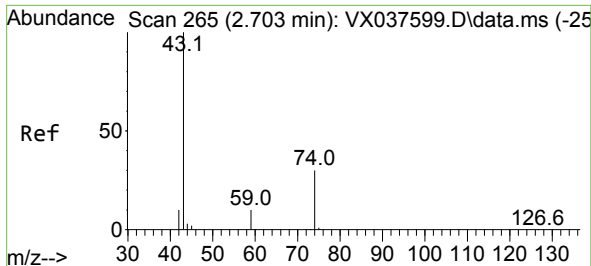
Tgt Ion: 56 Resp: 426
Ion Ratio Lower Upper
56 100
55 151.2 57.1 85.7#



#16
Acetone
Concen: 33.816 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion: 43 Resp: 45837
Ion Ratio Lower Upper
43 100
58 31.0 21.9 32.9





#18

Methyl Acetate

Concen: 0.249 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX037666.D

Acq: 12 Sep 2023 14:11

Instrument :

MSVOA_X

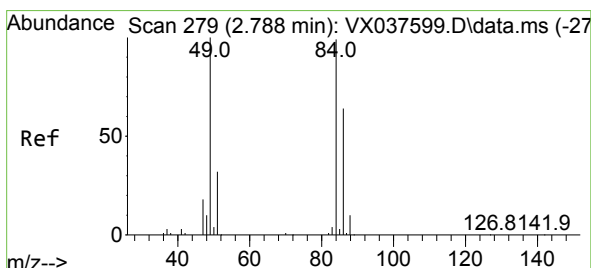
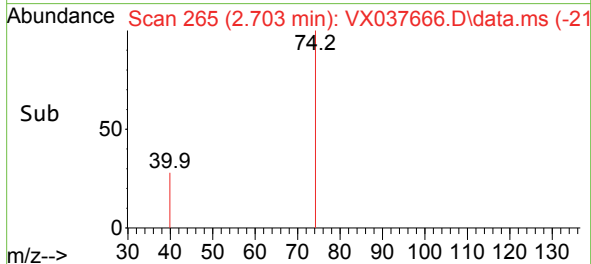
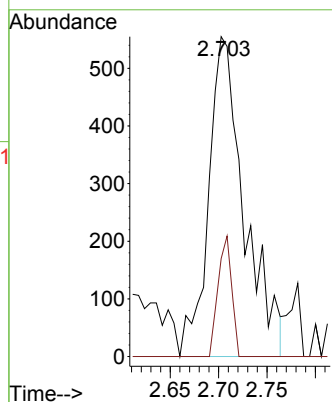
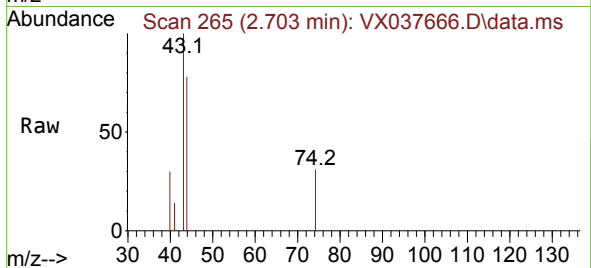
ClientSampleId :

Tgt Ion: 43 Resp: 1424

Ion Ratio Lower Upper

43 100

74 14.3 17.8 26.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX037666.D

Acq: 12 Sep 2023 14:11

Tgt Ion: 84 Resp: 649

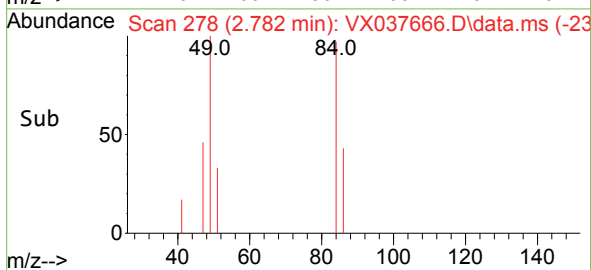
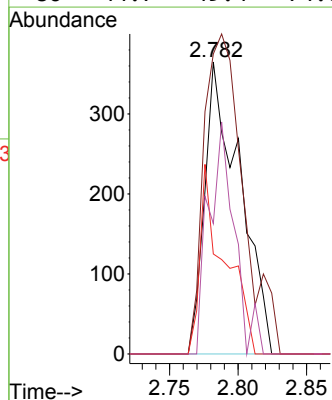
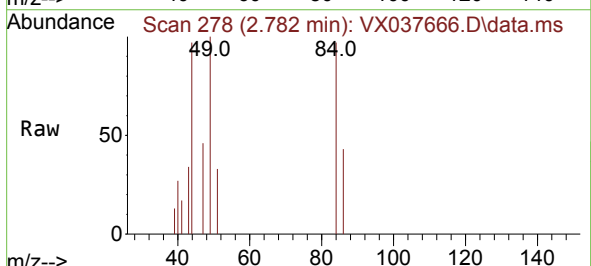
Ion Ratio Lower Upper

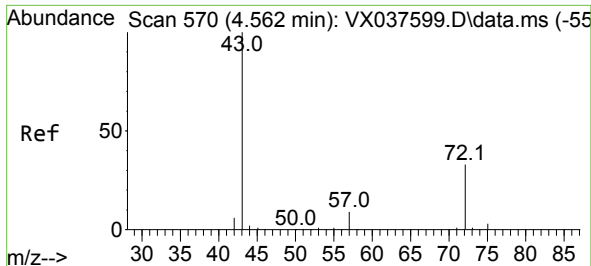
84 100

49 102.7 103.6 155.4#

51 34.2 33.8 50.6

86 44.7 49.4 74.0#

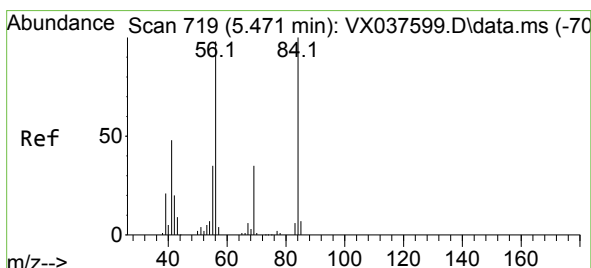
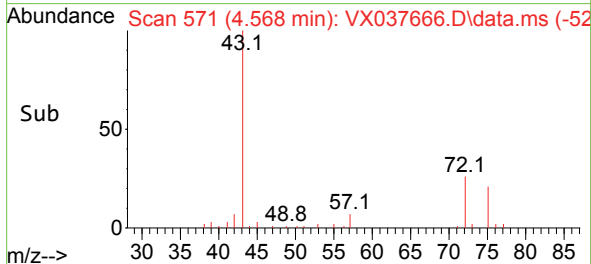
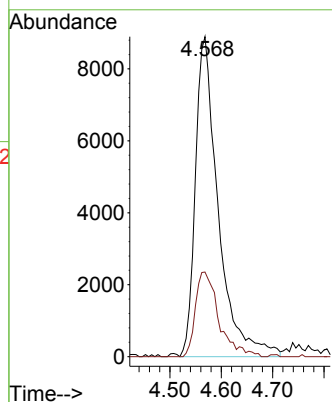
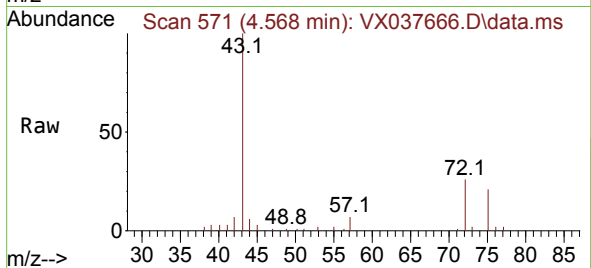




#25
2-Butanone
Concen: 12.436 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

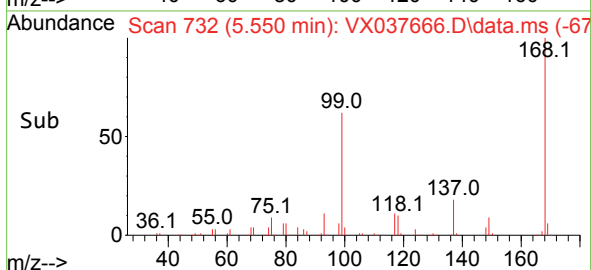
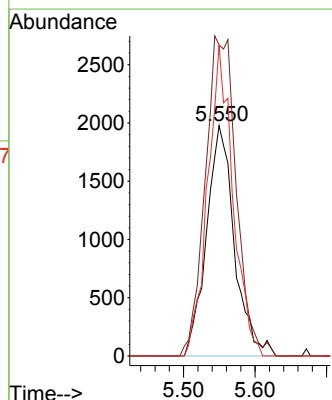
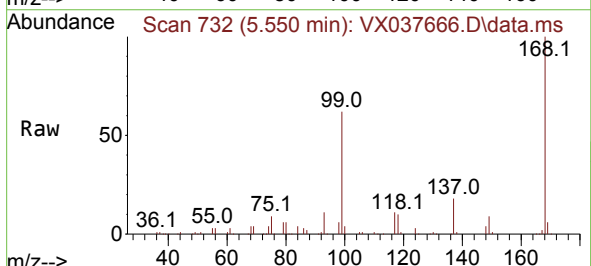
Instrument :
MSVOA_X
ClientSampleId :

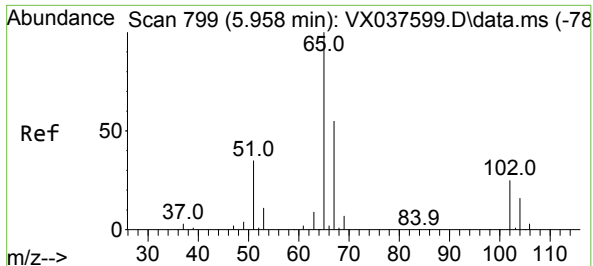
Tgt Ion: 43 Resp: 27487
Ion Ratio Lower Upper
43 100
72 26.5 19.4 29.2



#31
Cyclohexane
Concen: 1.385 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion: 56 Resp: 5349
Ion Ratio Lower Upper
56 100
69 135.1 23.4 35.2#
84 135.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 44.517 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037666.D

Acq: 12 Sep 2023 14:11

Instrument :

MSVOA_X

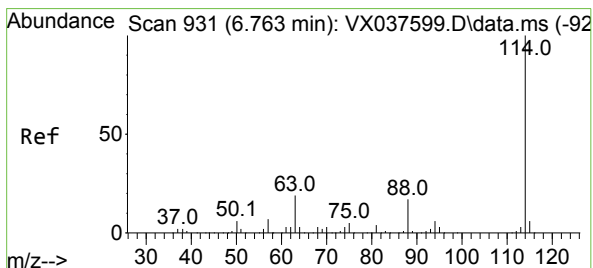
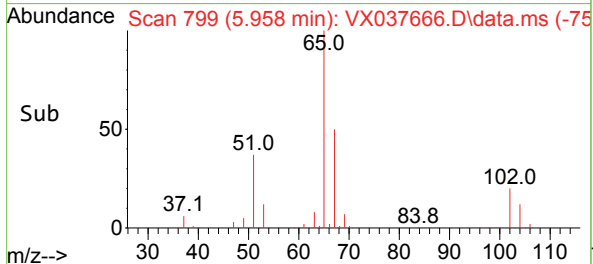
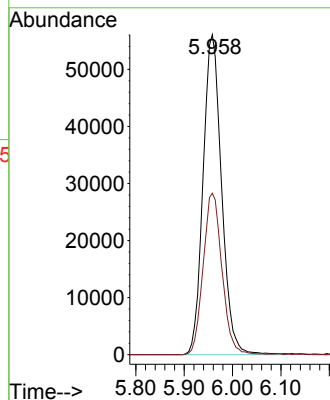
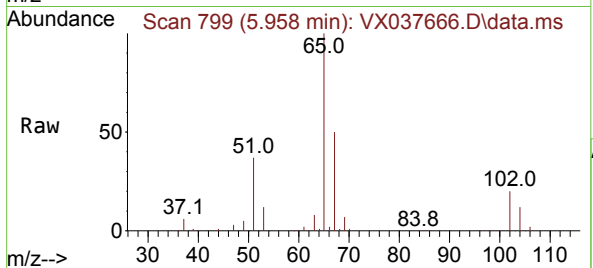
ClientSampleId :

Tgt Ion: 65 Resp: 149259

Ion Ratio Lower Upper

65 100

67 51.2 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: VX037666.D

Acq: 12 Sep 2023 14:11

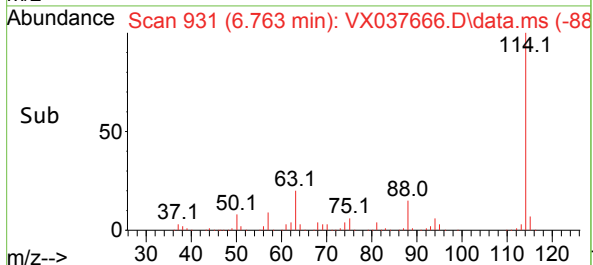
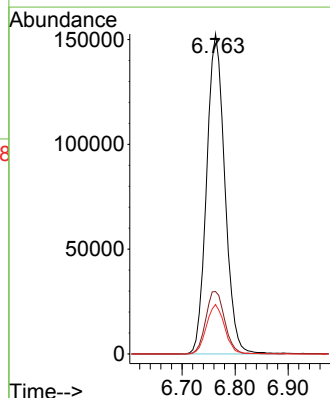
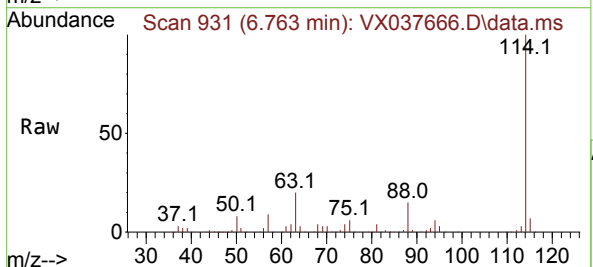
Tgt Ion:114 Resp: 363052

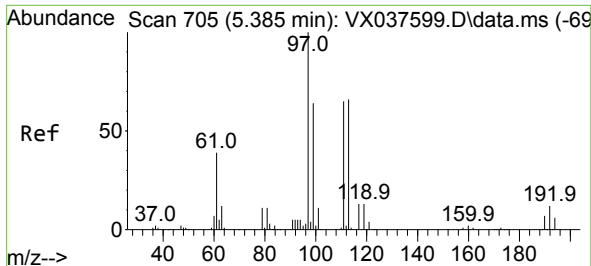
Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.0

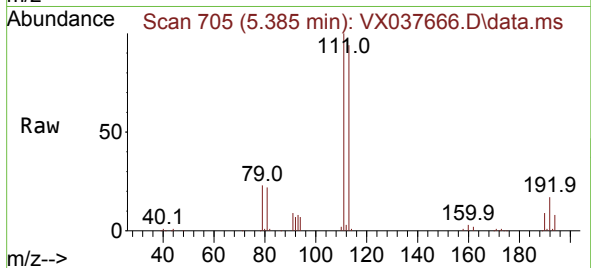
88 15.4 0.0 36.6



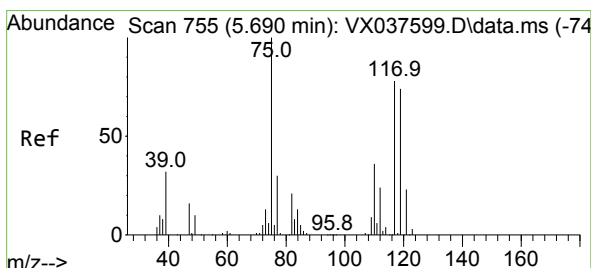
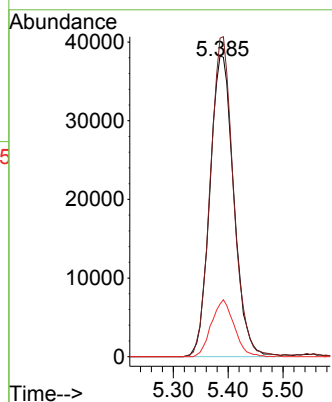
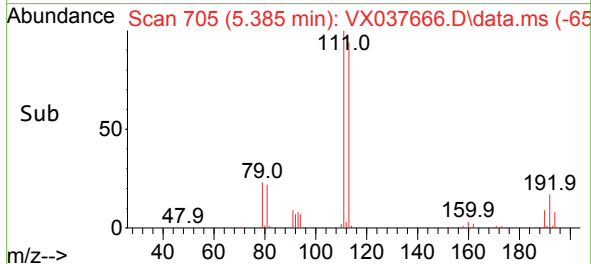


#35
Dibromofluoromethane
Concen: 44.980 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :

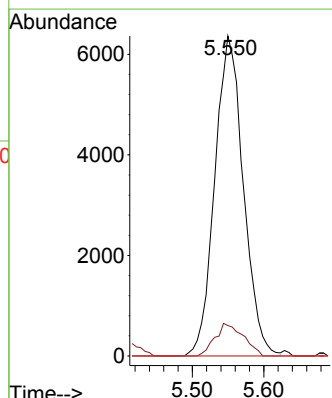
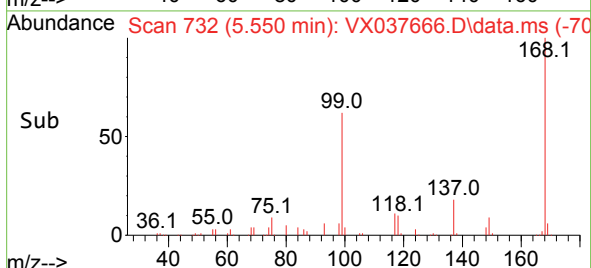
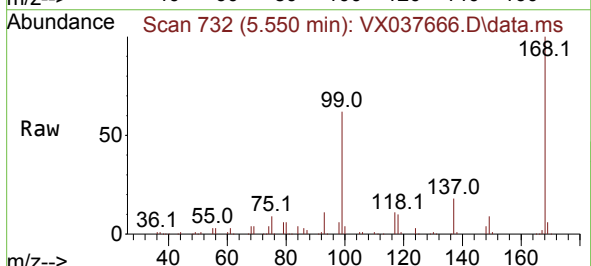


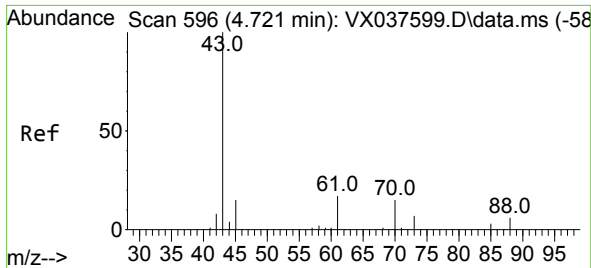
Tgt Ion:113 Resp: 115749
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.048 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

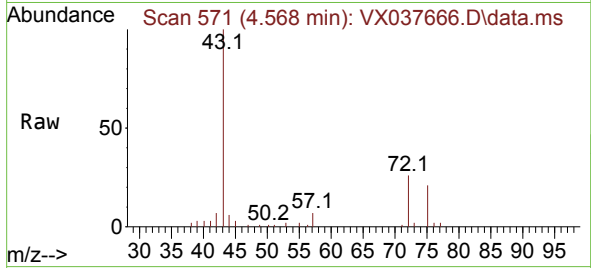
Tgt Ion: 75 Resp: 17672
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



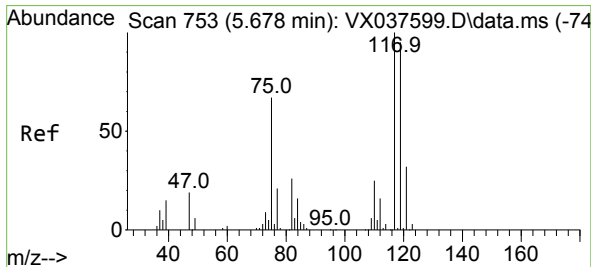
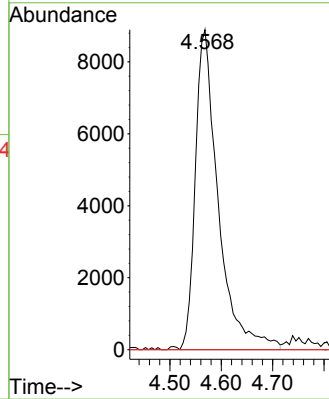
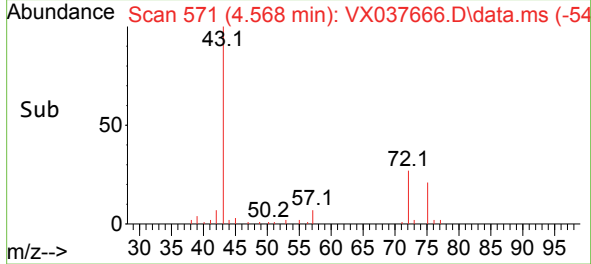


#37
Ethyl Acetate
Concen: 6.862 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.153 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Instrument :
MSVOA_X
ClientSampleId :

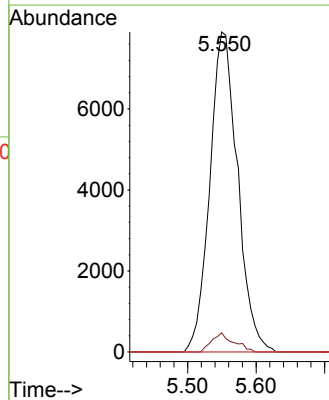
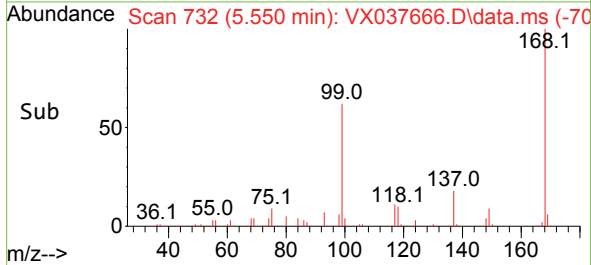
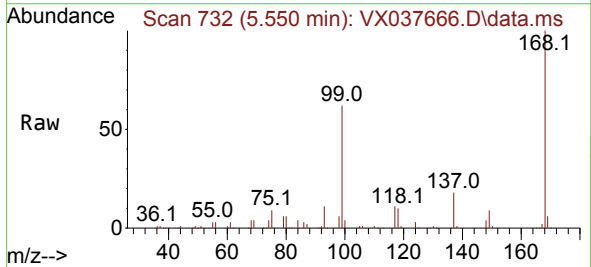


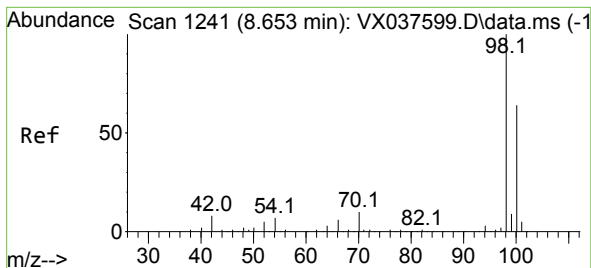
Tgt Ion: 43 Resp: 27487
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 6.215 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion: 117 Resp: 22226
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 45.816 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX037666.D

Acq: 12 Sep 2023 14:11

Instrument :

MSVOA_X

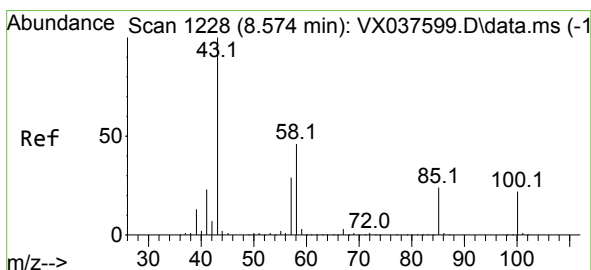
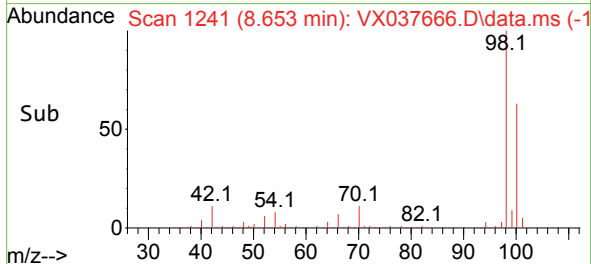
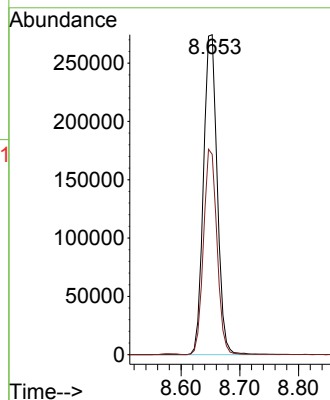
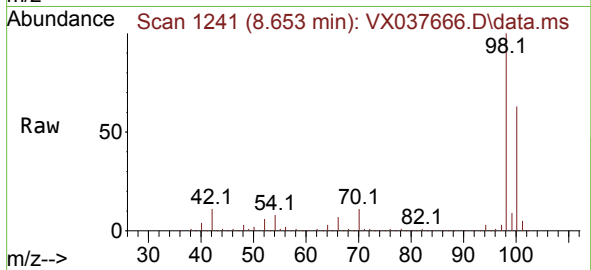
ClientSampleId :

Tgt Ion: 98 Resp: 444655

Ion Ratio Lower Upper

98 100

100 63.2 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 2.317 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037666.D

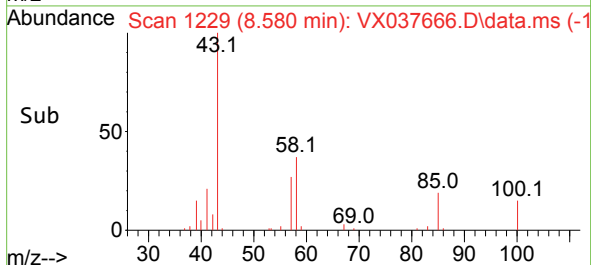
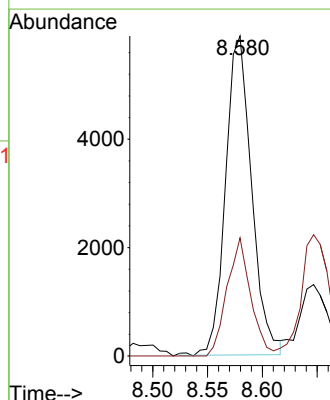
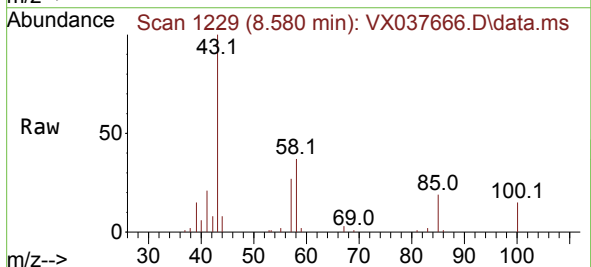
Acq: 12 Sep 2023 14:11

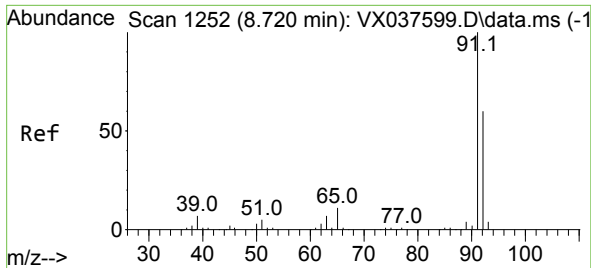
Tgt Ion: 43 Resp: 9722

Ion Ratio Lower Upper

43 100

58 33.5 30.4 45.6

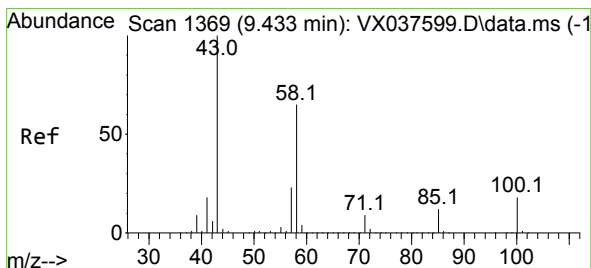
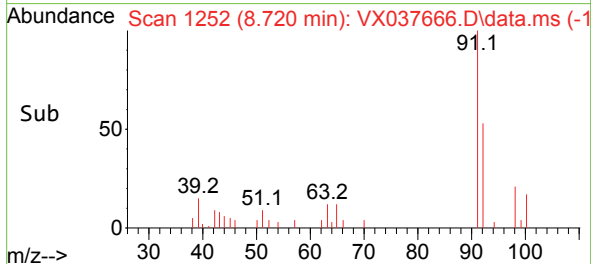
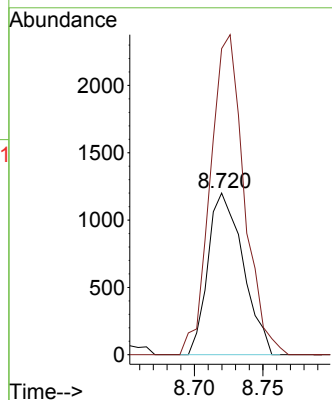
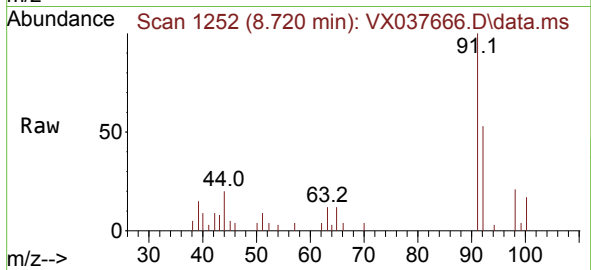




#52
Toluene
Concen: 0.314 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

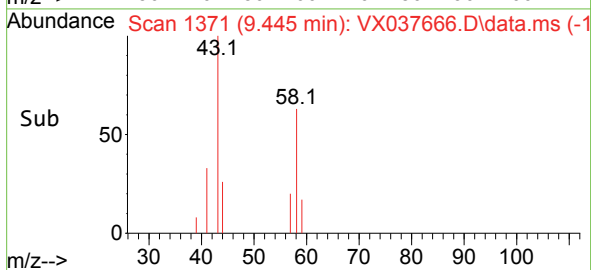
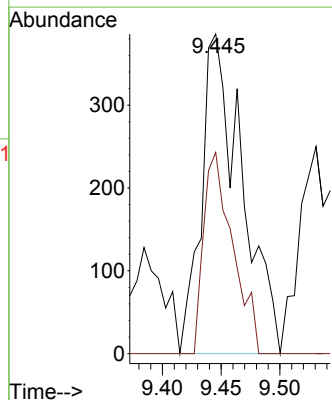
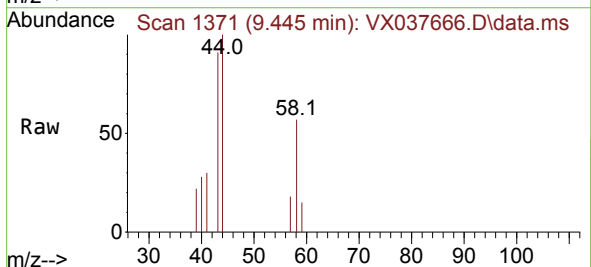
Instrument :
MSVOA_X
ClientSampleId :

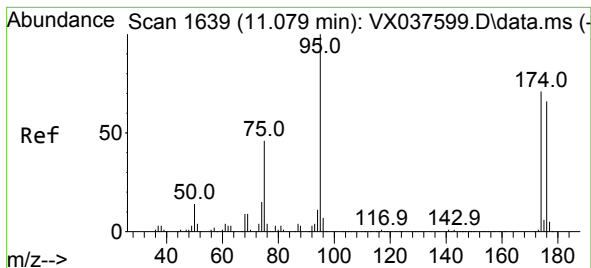
Tgt Ion: 92 Resp: 2143
Ion Ratio Lower Upper
92 100
91 190.3 134.2 201.2



#59
2-Hexanone
Concen: 0.284 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion: 43 Resp: 919
Ion Ratio Lower Upper
43 100
58 45.4 26.2 78.5

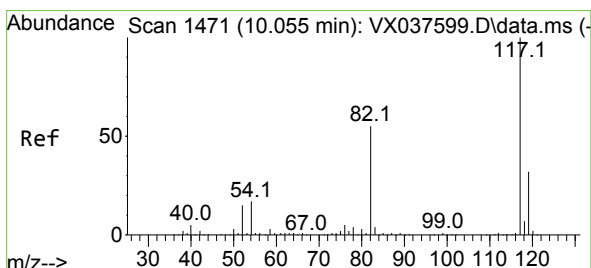
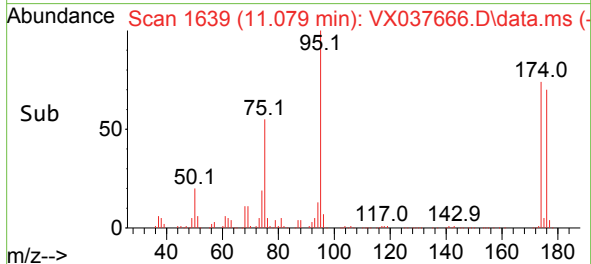
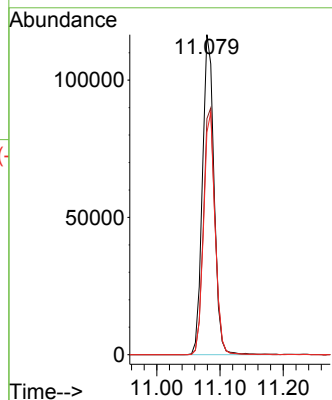
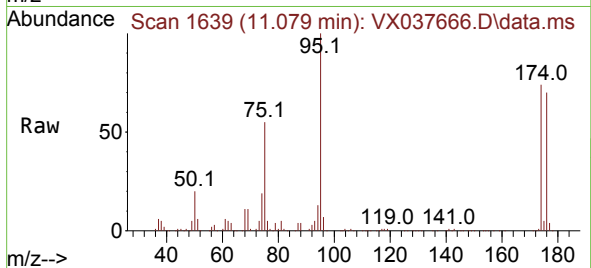




#62
4-Bromofluorobenzene
Concen: 42.557 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

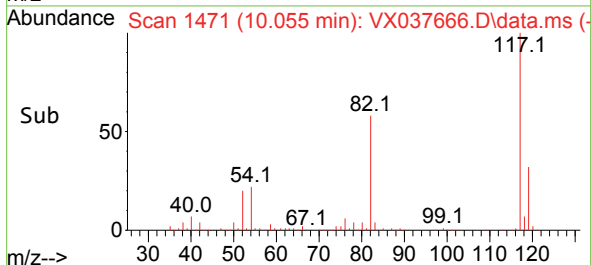
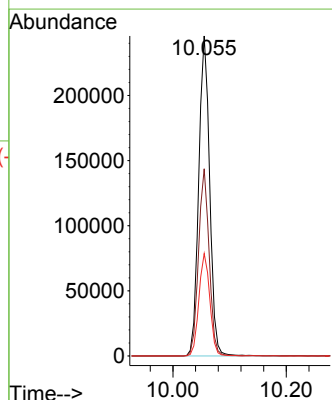
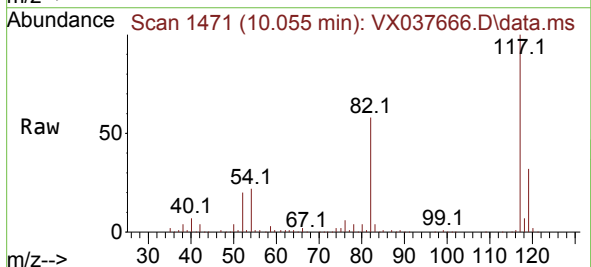
Instrument :
MSVOA_X
ClientSampleId :

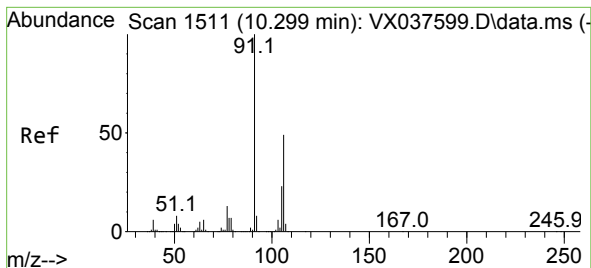
Tgt Ion: 95 Resp: 149009
Ion Ratio Lower Upper
95 100
174 77.1 0.0 135.6
176 75.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion: 117 Resp: 328613
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 32.0 25.5 38.3

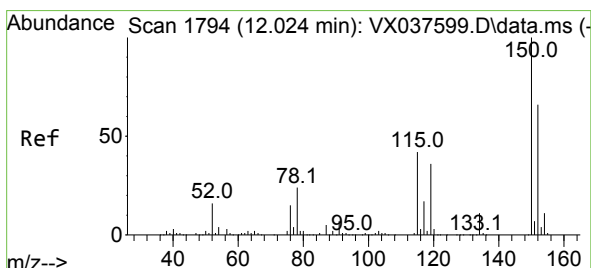
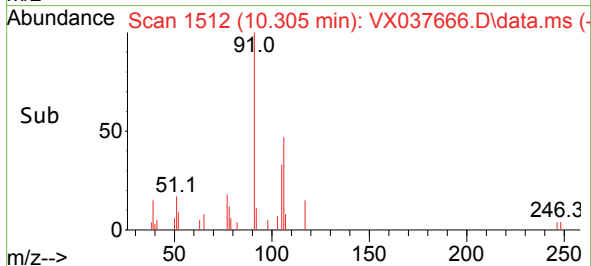
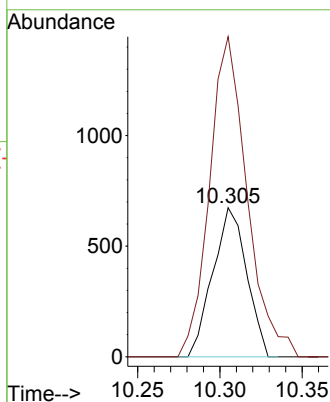
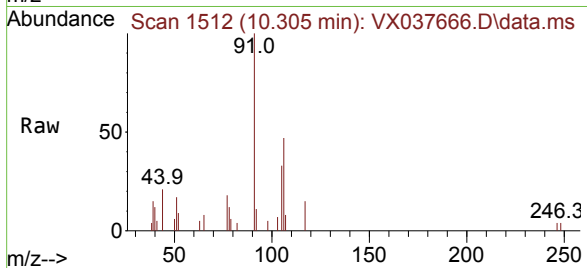




#68
m/p-Xylenes
Concen: 0.203 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

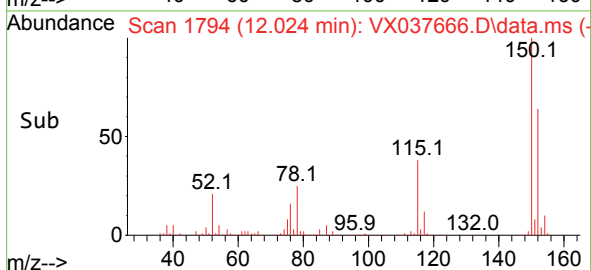
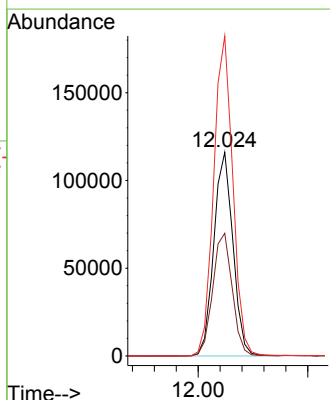
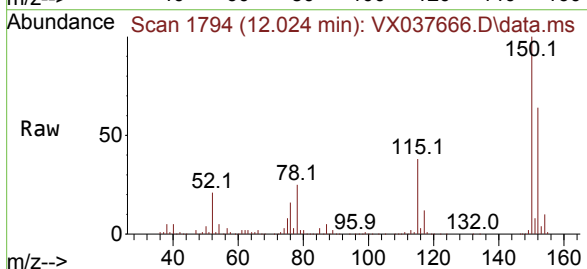
Instrument :
MSVOA_X
ClientSampleId :

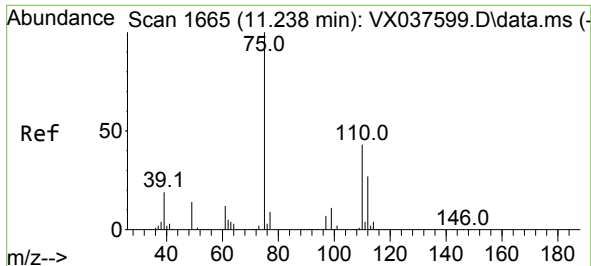
Tgt Ion:106 Resp: 964
Ion Ratio Lower Upper
106 100
91 238.3 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion:152 Resp: 140784
Ion Ratio Lower Upper
152 100
115 61.5 43.3 129.9
150 157.7 0.0 345.0

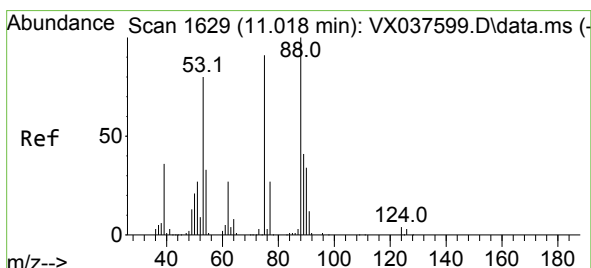
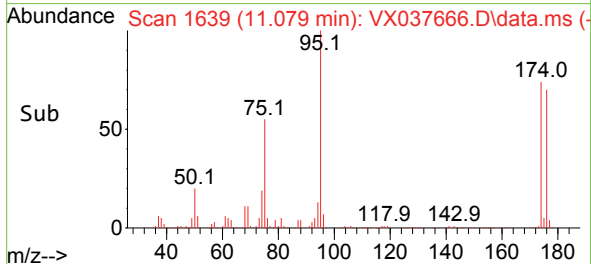
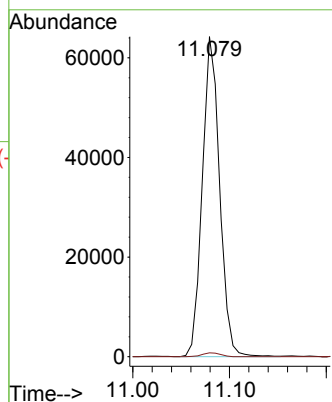
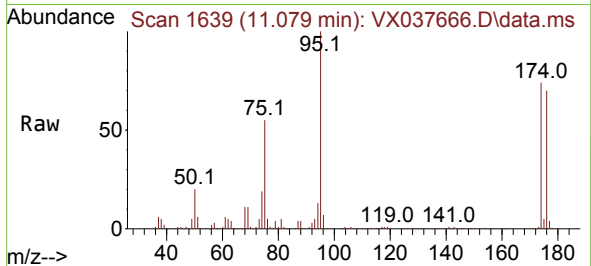




#76
1,2,3-Trichloropropane
Concen: 25.910 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

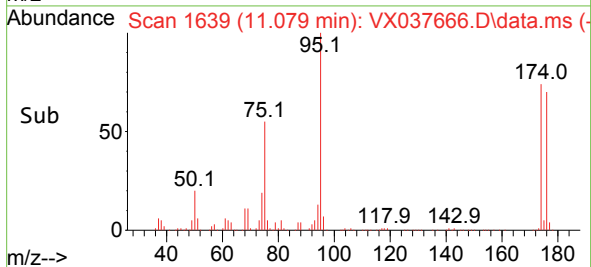
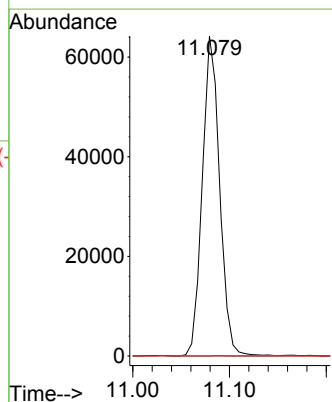
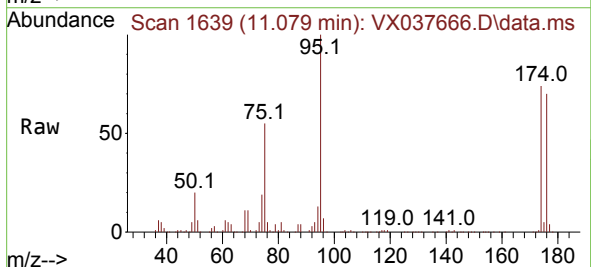
Instrument :
MSVOA_X
ClientSampleId :

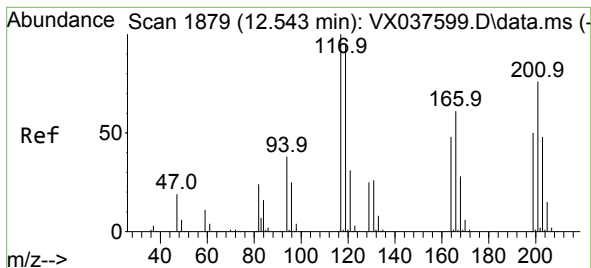
Tgt Ion: 75 Resp: 80195
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.760 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037666.D
Acq: 12 Sep 2023 14:11

Tgt Ion: 75 Resp: 80195
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#





#90

Hexachloroethane

Concen: 1.000 ug/l

RT: 12.414 min Scan# 1858

Delta R.T. -0.128 min

Lab File: VX037666.D

Acq: 12 Sep 2023 14:11

Instrument :

MSVOA_X

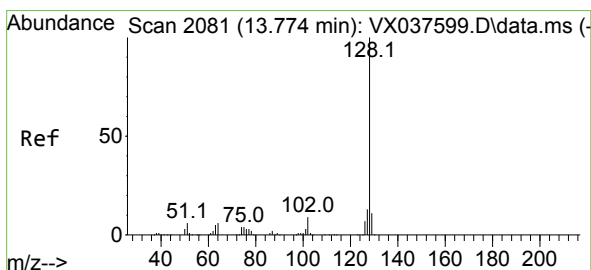
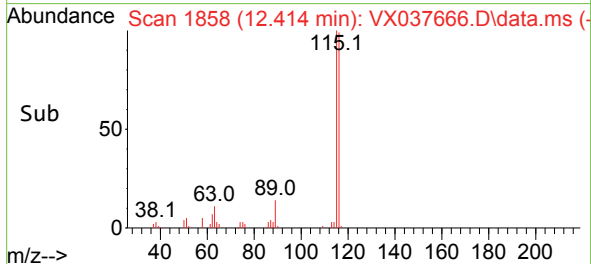
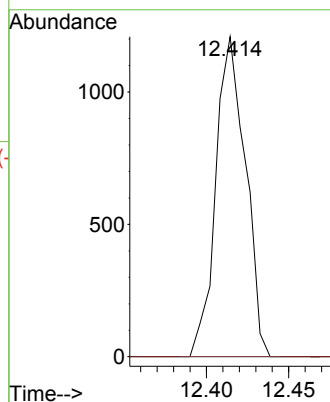
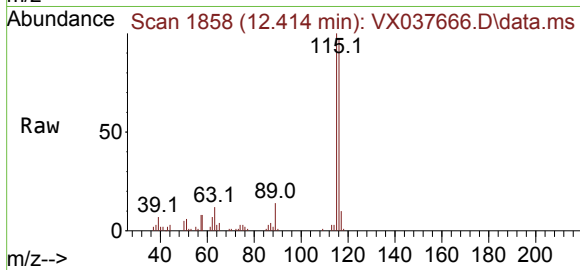
ClientSampleId :

Tgt Ion:117 Resp: 1519

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#



#95

Naphthalene

Concen: 21.906 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX037666.D

Acq: 12 Sep 2023 14:11

Tgt Ion:128 Resp: 226768

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

129 10.6 8.8 13.2

