

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037083.D
 Acq On : 18 Aug 2023 14:43
 Operator : JC/MD
 Sample : 03975-02DL 200X
 Misc : 7.22g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 19 05:18:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

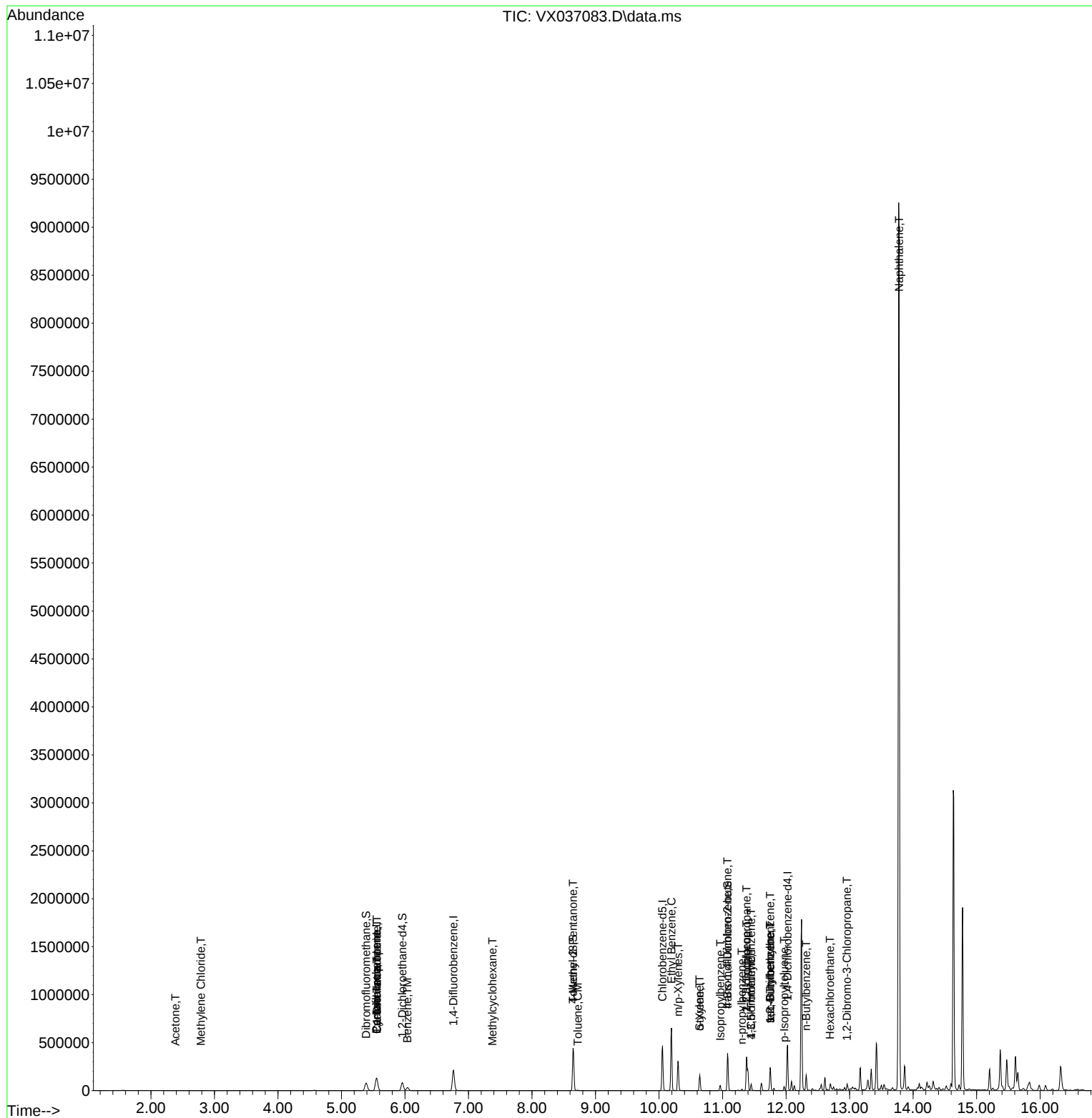
Internal Standards						
1) Pentafluorobenzene	5.550	168	121156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	221930	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84970	48.647	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.300%		
35) Dibromofluoromethane	5.385	113	70134	47.717	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.440%		
50) Toluene-d8	8.647	98	267219	50.121	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.240%		
62) 4-Bromofluorobenzene	11.079	95	106939	51.040	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.080%		
Target Compounds					Qvalue	
16) Acetone	2.386	43	524	0.767	ug/l	97
20) Methylene Chloride	2.788	84	602	0.394	ug/l #	72
31) Cyclohexane	5.556	56	2600	1.324	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9836	4.710	ug/l #	48
38) Carbon Tetrachloride	5.556	117	13056	5.756	ug/l #	15
39) Methylcyclohexane	7.379	83	454	0.207	ug/l #	81
40) Benzene	6.038	78	39882	6.659	ug/l	94
51) 4-Methyl-2-Pentanone	8.647	43	1129	0.549	ug/l #	1
52) Toluene	8.720	92	2269	0.573	ug/l	97
67) Ethyl Benzene	10.195	91	369599	46.337	ug/l	99
68) m/p-Xylenes	10.299	106	70818	22.991	ug/l	100
69) o-Xylene	10.640	106	34949	11.500	ug/l	99
70) Styrene	10.640	104	2059	0.411	ug/l #	1
73) Isopropylbenzene	10.963	105	27933	3.887	ug/l	98
76) 1,2,3-Trichloropropane	11.378	75	2320	1.102	ug/l #	1
78) n-propylbenzene	11.305	91	9827	1.228	ug/l #	53
79) 2-Chlorotoluene	11.378	91	32954	6.445	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.451	105	29186	4.869	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	55140	73.147	ug/l #	5
82) 4-Chlorotoluene	11.451	91	3605	0.611	ug/l #	47
83) tert-Butylbenzene	11.750	119	12402	2.169	ug/l #	47
84) 1,2,4-Trimethylbenzene	11.750	105	103737	17.123	ug/l	96
85) sec-Butylbenzene	11.750	105	103737	15.535	ug/l #	57
86) p-Isopropyltoluene	11.969	119	17402	3.027	ug/l	98
89) n-Butylbenzene	12.317	91	15278	3.206	ug/l #	1
90) Hexachloroethane	12.695	117	30334	31.617	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	12.957	75	287	0.510	ug/l #	9
95) Naphthalene	13.780	128	5665712	687.042	ug/l	96

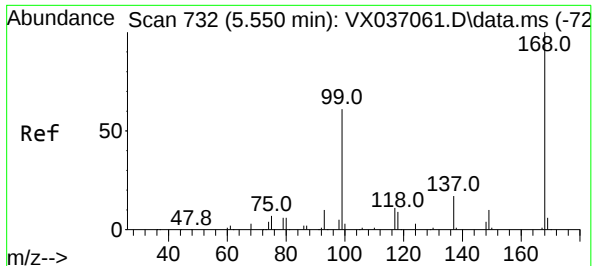
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
Data File : VX037083.D
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Instrument :
MSVOA_X
ClientSampleId :

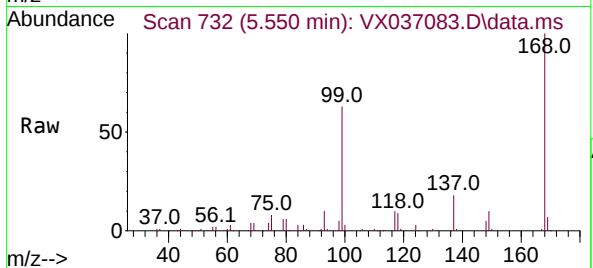
Quant Time: Aug 19 05:18:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



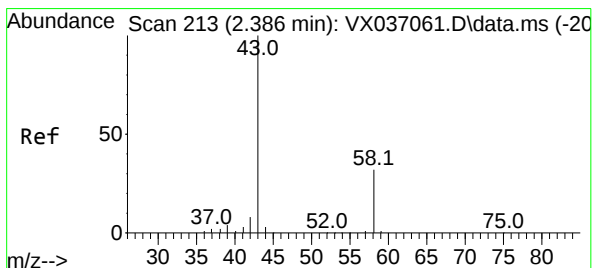
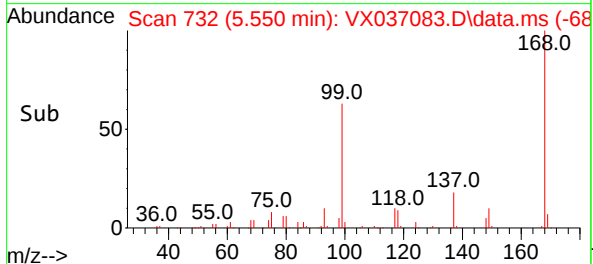
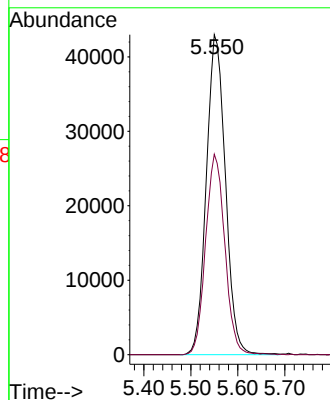


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :

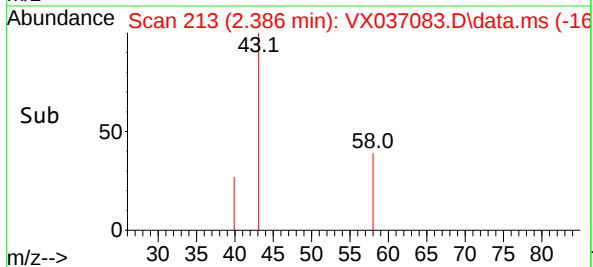
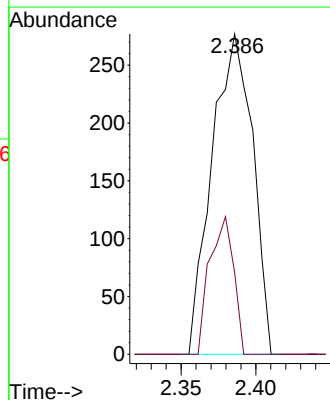
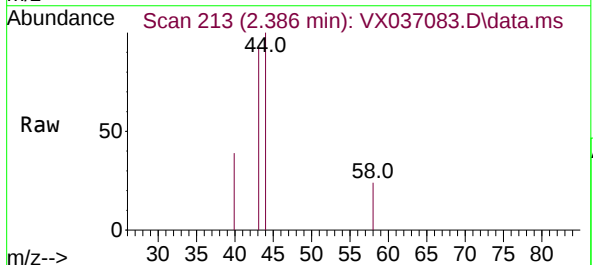


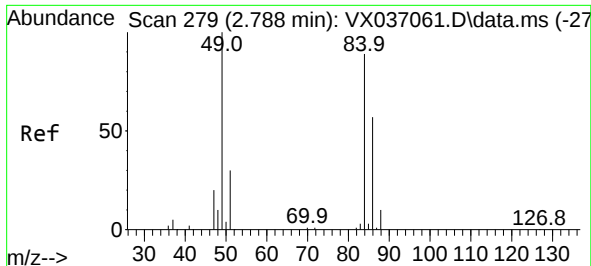
Tgt Ion:168 Resp: 121156
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#16
Acetone
Concen: 0.767 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

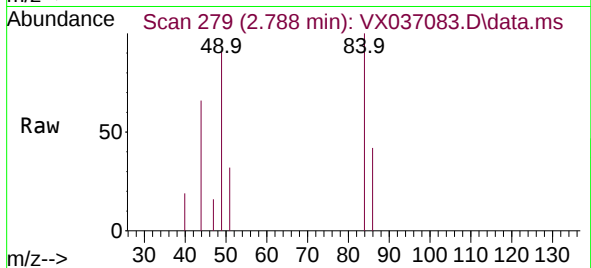
Tgt Ion: 43 Resp: 524
Ion Ratio Lower Upper
43 100
58 25.6 21.9 32.9



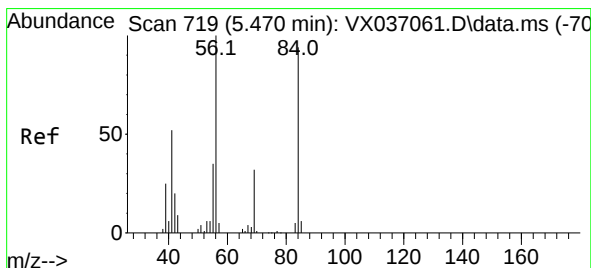
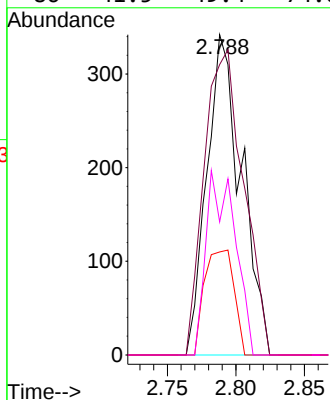
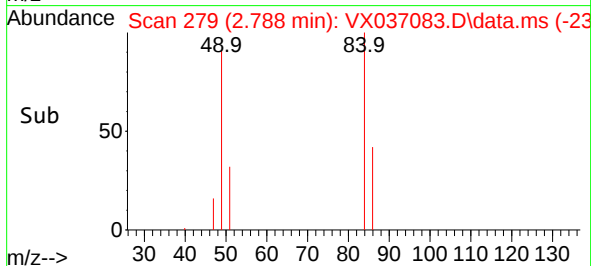


#20
Methylene Chloride
Concen: 0.394 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

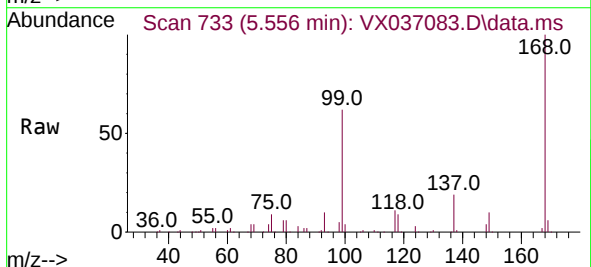
Instrument :
MSVOA_X
ClientSampleId :



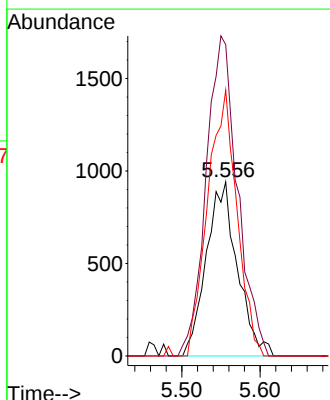
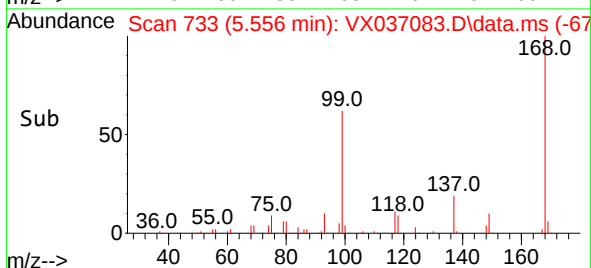
Tgt Ion:	84	Resp:	602
Ion	Ratio	Lower	Upper
84	100		
49	90.6	103.6	155.4#
51	32.2	33.8	50.6#
86	41.5	49.4	74.0#

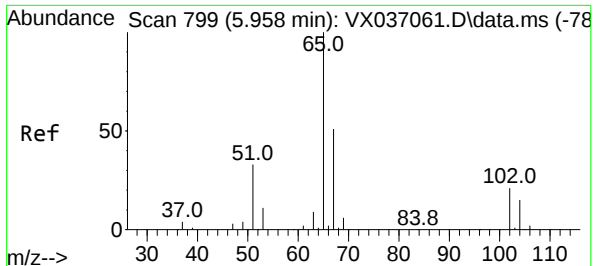


#31
Cyclohexane
Concen: 1.324 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43



Tgt Ion:	56	Resp:	2600
Ion	Ratio	Lower	Upper
56	100		
69	178.9	23.4	35.2#
84	152.8	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 48.647 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

Instrument :

MSVOA_X

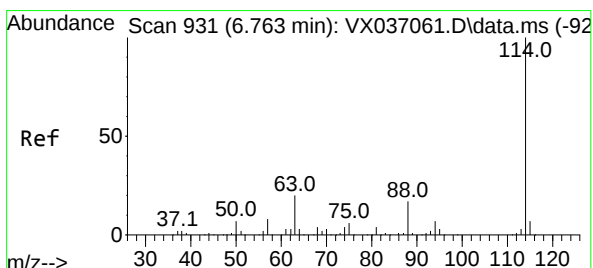
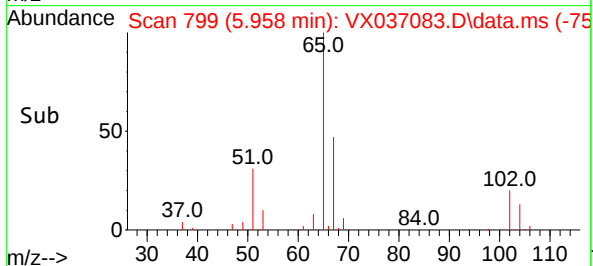
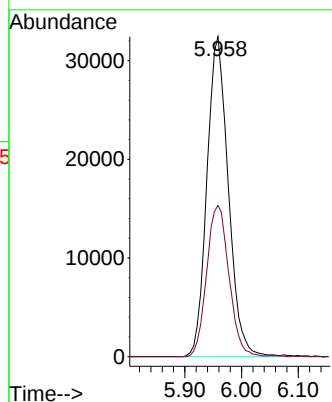
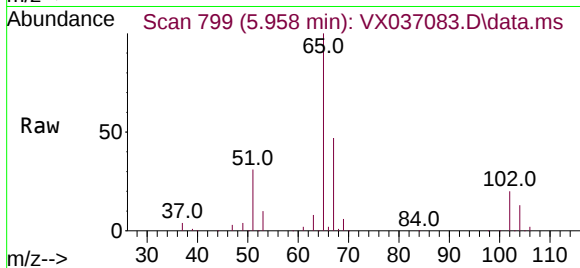
ClientSampleId :

Tgt Ion: 65 Resp: 84970

Ion Ratio Lower Upper

65 100

67 49.2 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: VX037083.D

Acq: 18 Aug 2023 14:43

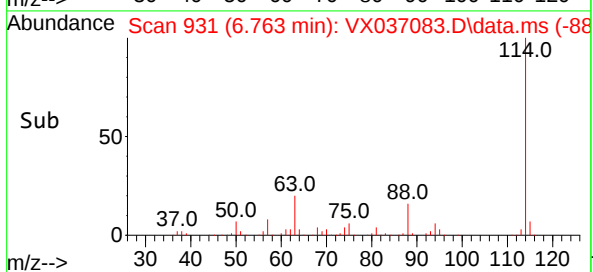
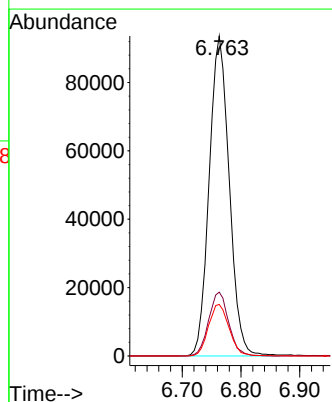
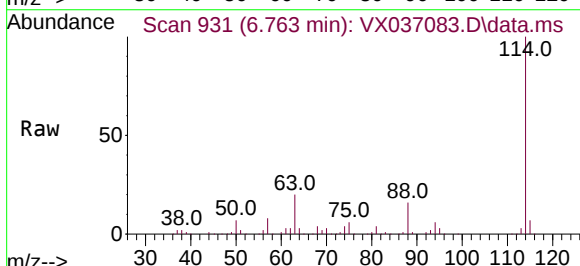
Tgt Ion: 114 Resp: 221930

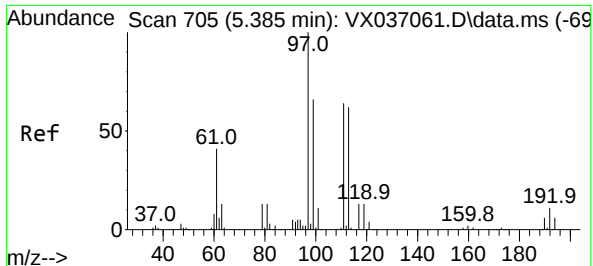
Ion Ratio Lower Upper

114 100

63 20.0 0.0 45.0

88 16.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 47.717 ug/l

RT: 5.385 min Scan# 701

Delta R.T. 0.000 min

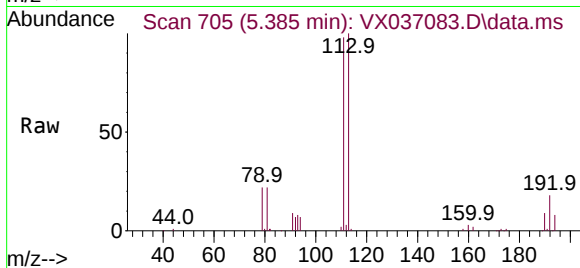
Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

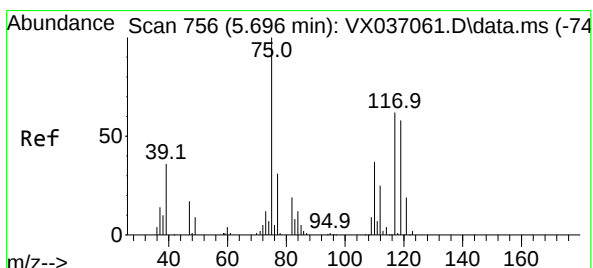
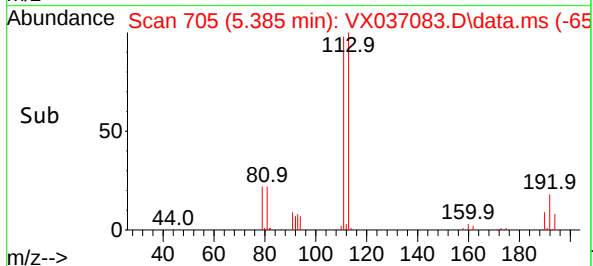
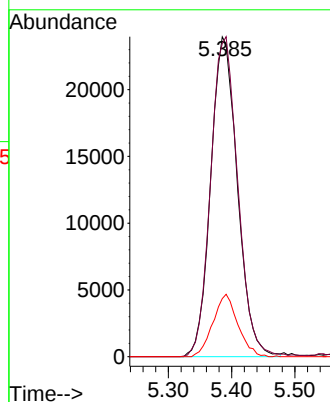
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	70134
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.9	124.3
192	18.2	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.710 ug/l

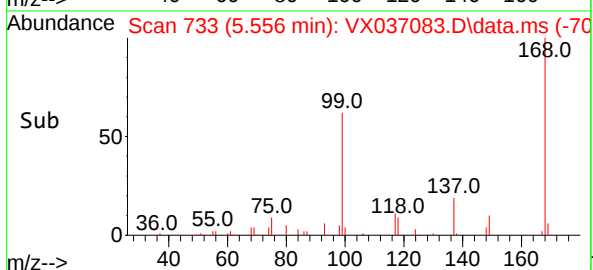
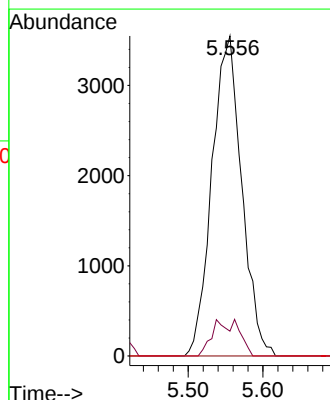
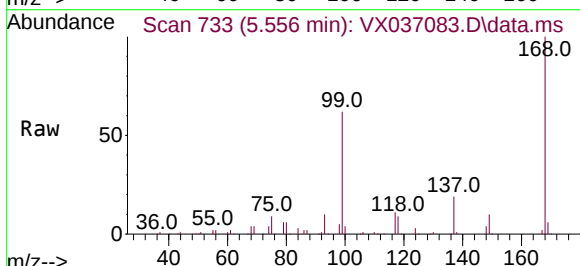
RT: 5.556 min Scan# 733

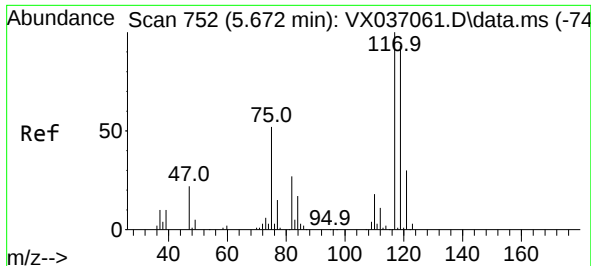
Delta R.T. -0.140 min

Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

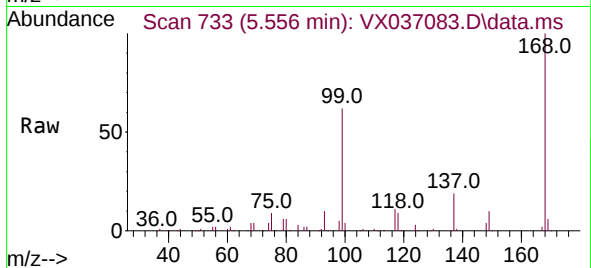
Tgt Ion:	75	Resp:	9836
Ion	Ratio	Lower	Upper
75	100		
110	6.5	17.0	50.9#
77	0.0	24.7	37.1#



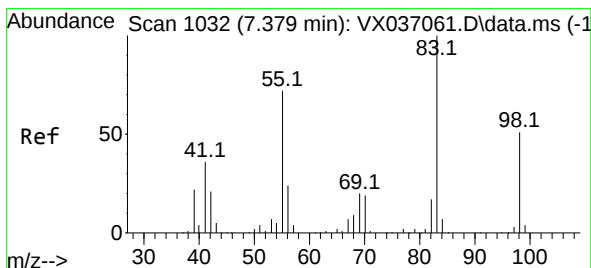
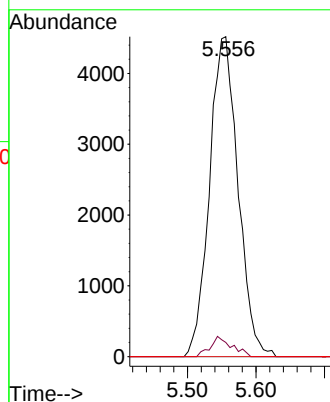
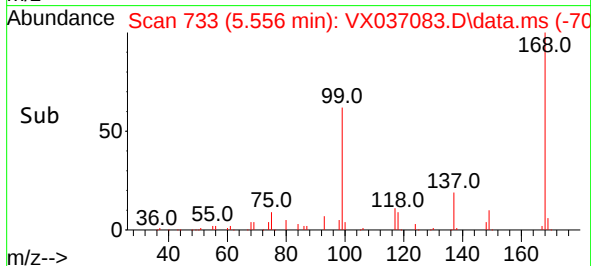


#38
Carbon Tetrachloride
Concen: 5.756 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Instrument :
MSVOA_X
ClientSampleId :

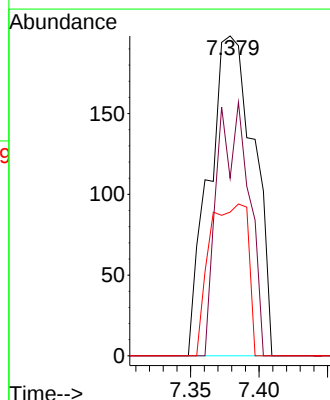
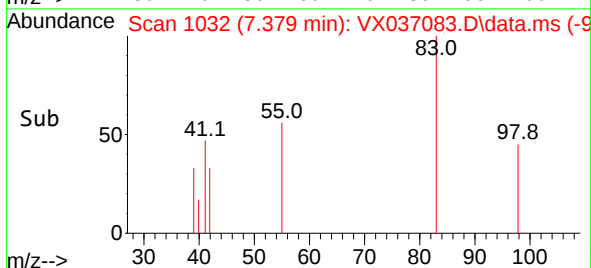
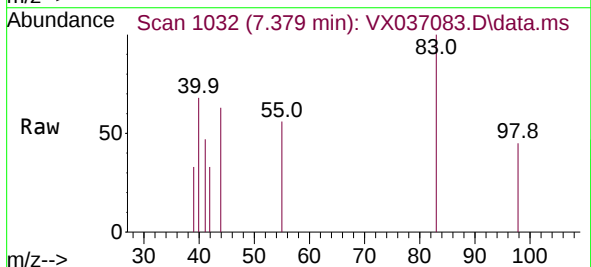


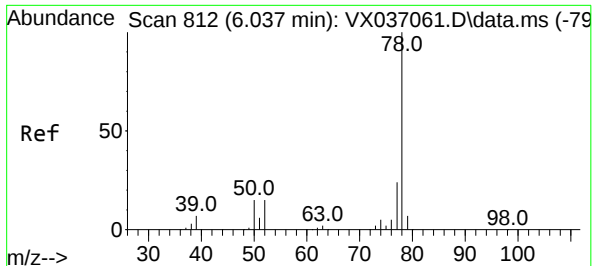
Tgt Ion:117 Resp: 13056
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.207 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion: 83 Resp: 454
Ion Ratio Lower Upper
83 100
55 55.6 64.6 97.0#
98 44.9 36.7 55.1





#40

Benzene

Concen: 6.659 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

Instrument :

MSVOA_X

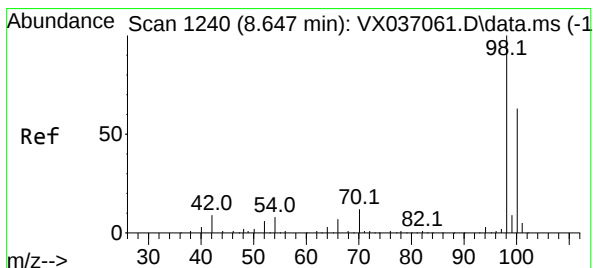
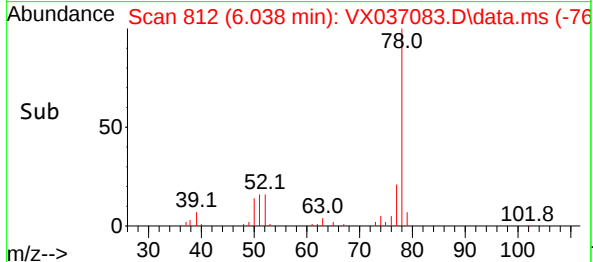
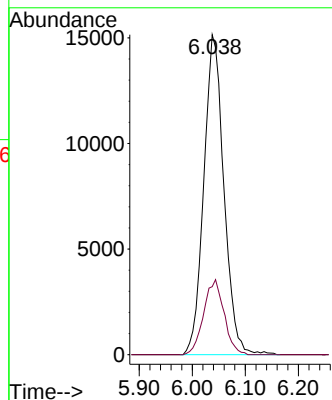
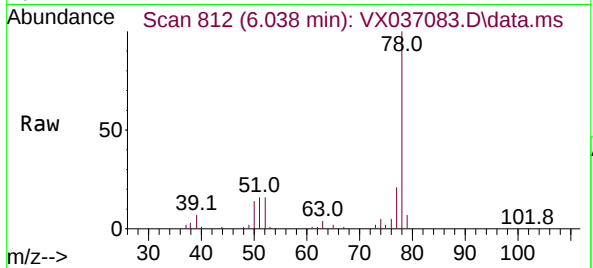
ClientSampleId :

Tgt Ion: 78 Resp: 39882

Ion Ratio Lower Upper

78 100

77 21.2 19.3 28.9



#50

Toluene-d8

Concen: 50.121 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037083.D

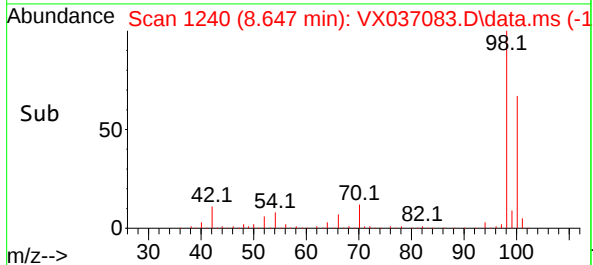
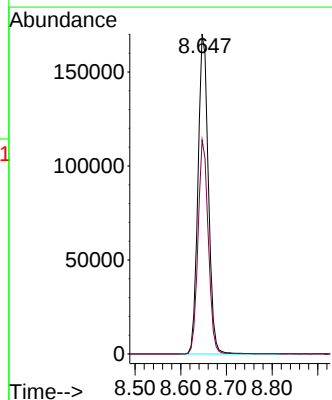
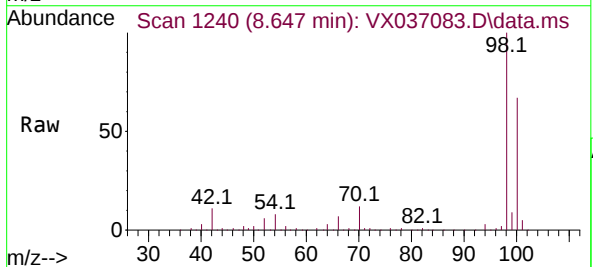
Acq: 18 Aug 2023 14:43

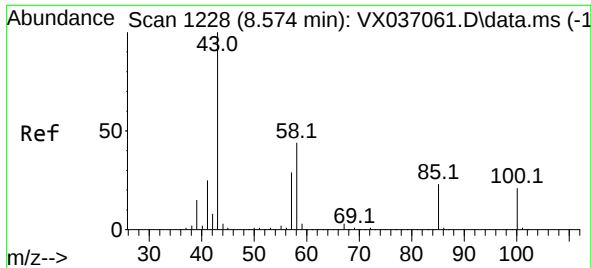
Tgt Ion: 98 Resp: 267219

Ion Ratio Lower Upper

98 100

100 66.0 53.1 79.7

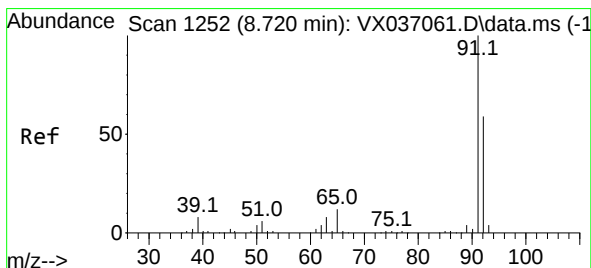
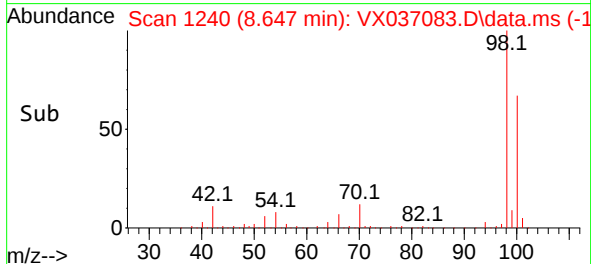
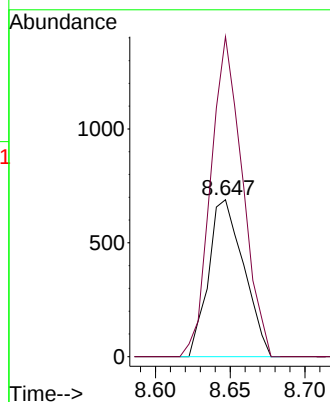
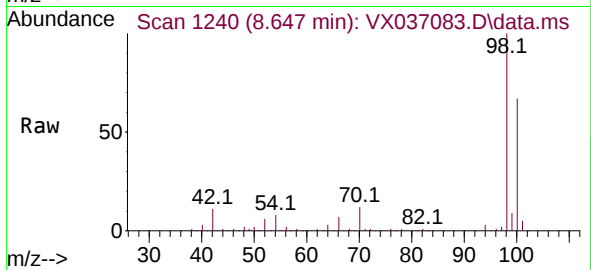




#51
4-Methyl-2-Pentanone
Concen: 0.549 ug/l
RT: 8.647 min Scan# 1129
Delta R.T. 0.073 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

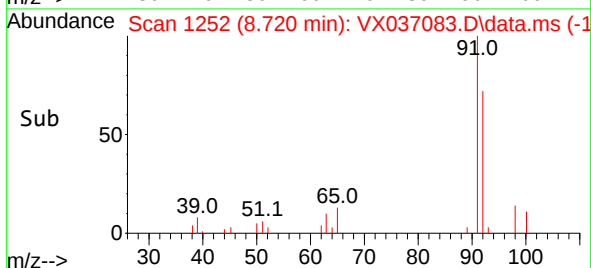
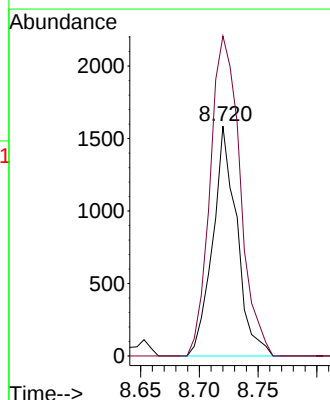
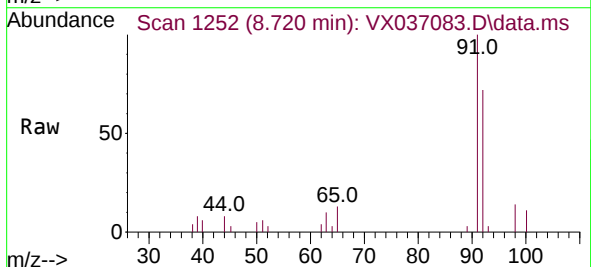
Instrument :
MSVOA_X
ClientSampleId :

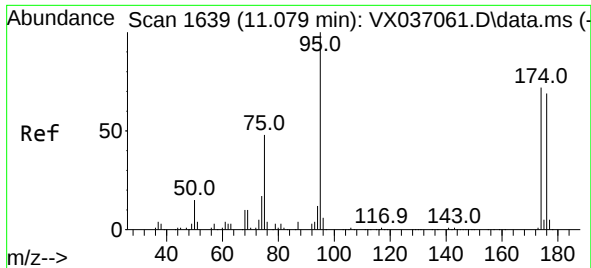
Tgt Ion: 43 Resp: 1129
Ion Ratio Lower Upper
43 100
58 183.6 30.4 45.6#



#52
Toluene
Concen: 0.573 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion: 92 Resp: 2269
Ion Ratio Lower Upper
92 100
91 172.3 134.2 201.2

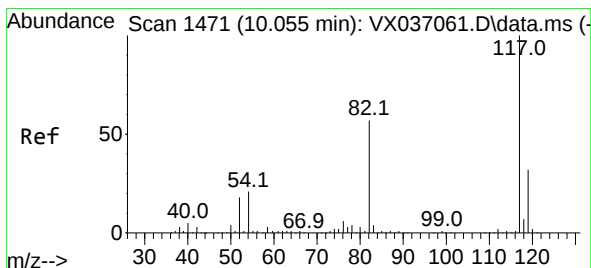
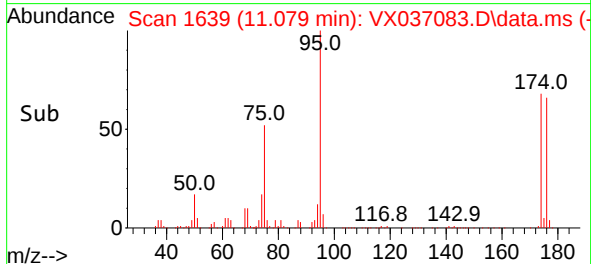
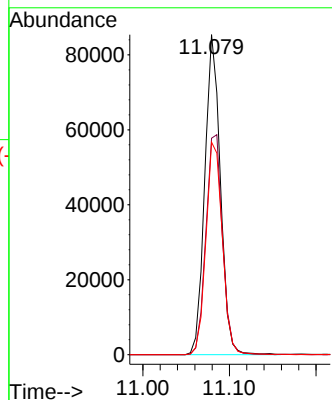
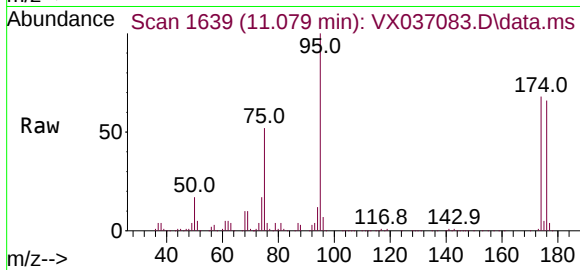




#62
4-Bromofluorobenzene
Concen: 51.040 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

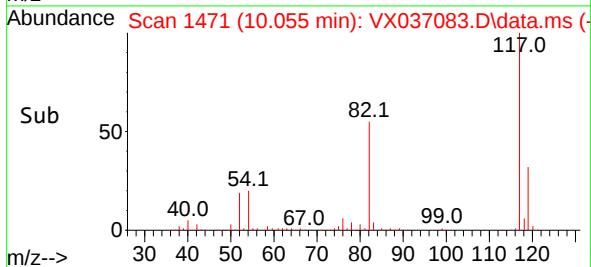
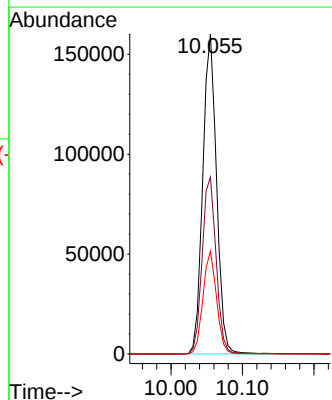
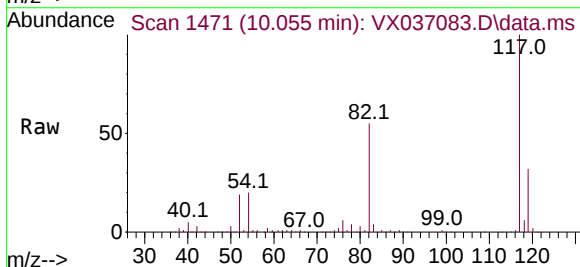
Instrument :
MSVOA_X
ClientSampleId :

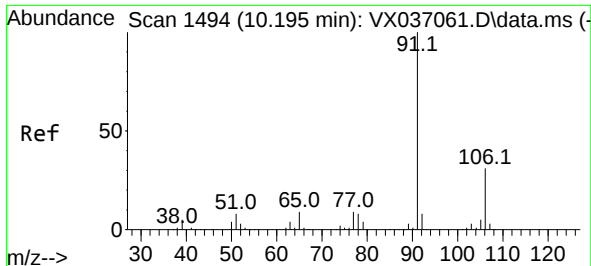
Tgt Ion: 95 Resp: 106939
Ion Ratio Lower Upper
95 100
174 73.0 0.0 135.6
176 69.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion: 117 Resp: 214476
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.4
119 32.1 25.5 38.3





#67

Ethyl Benzene

Concen: 46.337 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

Instrument :

MSVOA_X

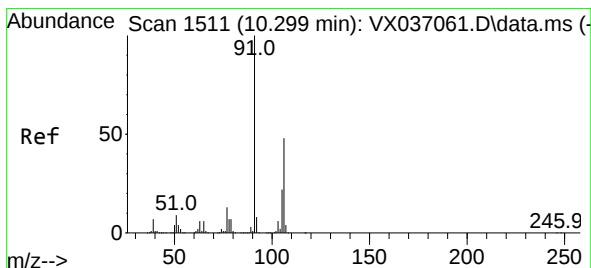
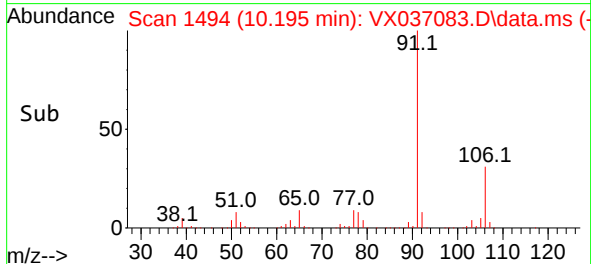
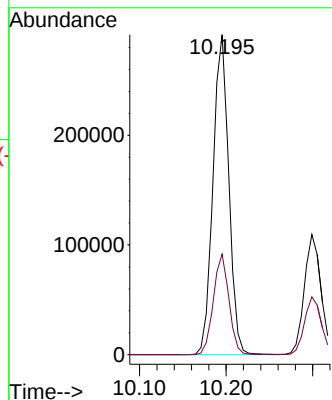
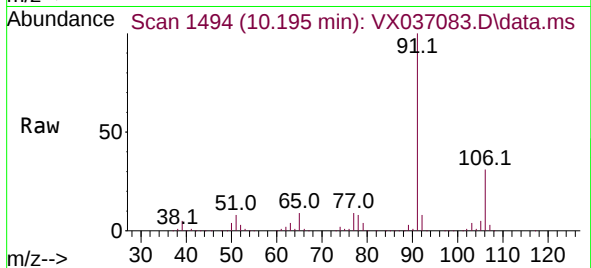
ClientSampleId :

Tgt Ion: 91 Resp: 369599

Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3



#68

m/p-Xylenes

Concen: 22.991 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX037083.D

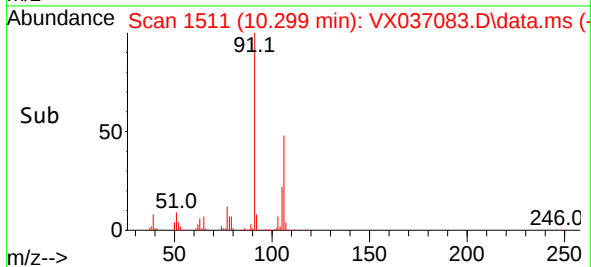
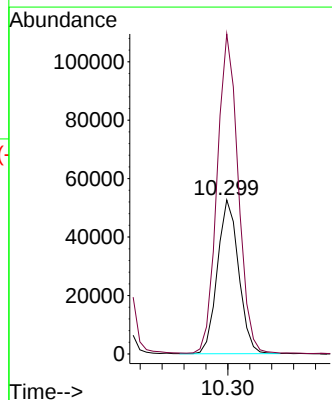
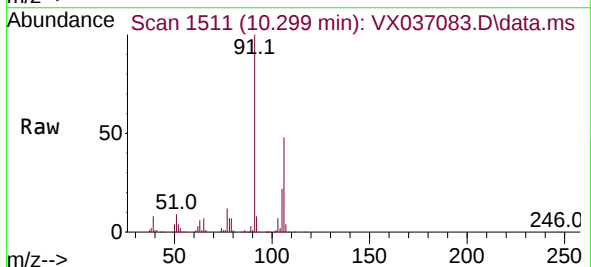
Acq: 18 Aug 2023 14:43

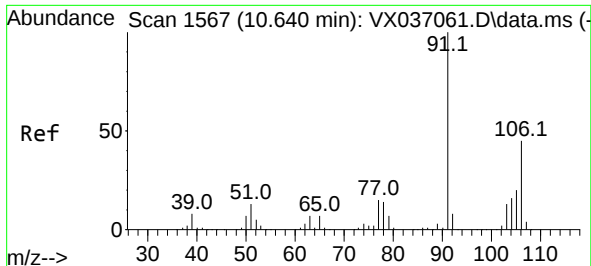
Tgt Ion: 106 Resp: 70818

Ion Ratio Lower Upper

106 100

91 207.3 165.5 248.3

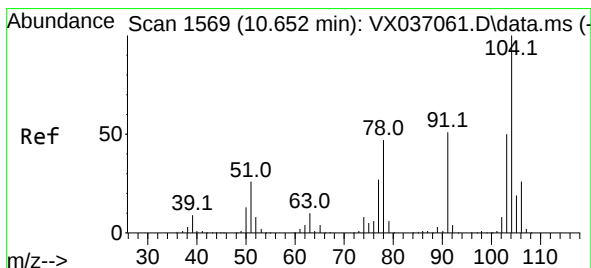
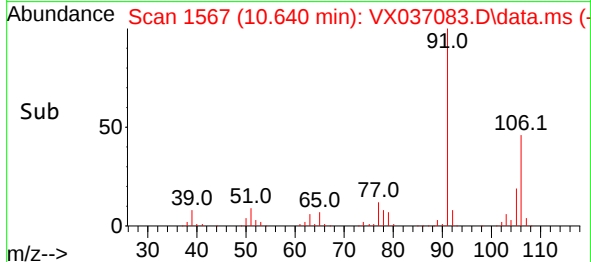
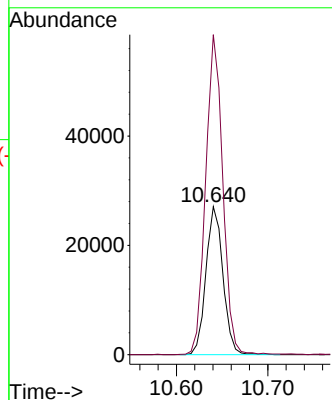
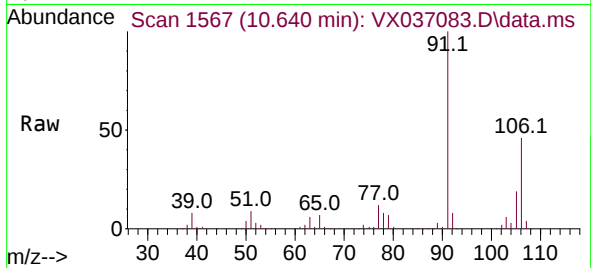




#69
o-Xylene
Concen: 11.500 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

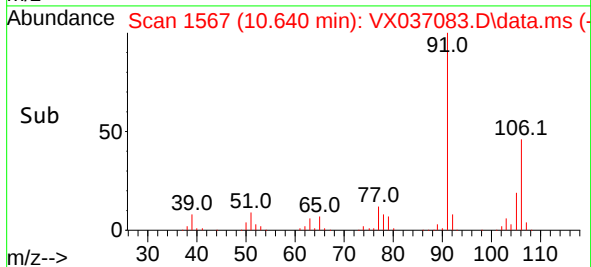
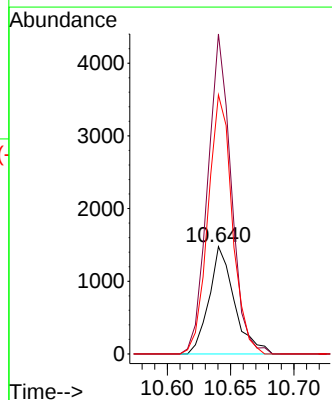
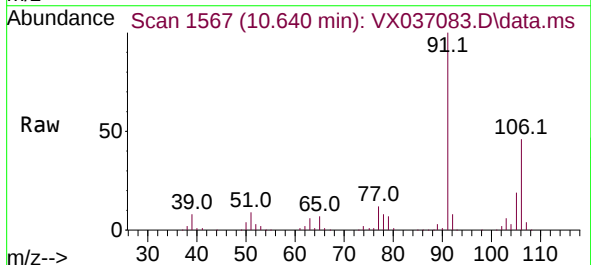
Instrument :
MSVOA_X
ClientSampleId :

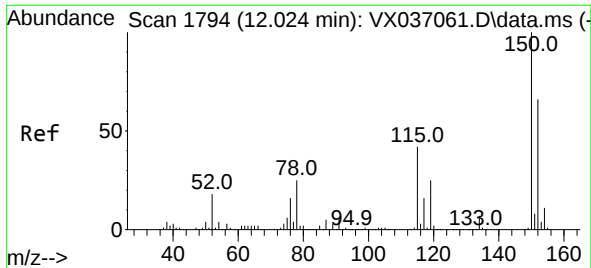
Tgt Ion:106 Resp: 34949
Ion Ratio Lower Upper
106 100
91 217.0 108.9 326.8



#70
Styrene
Concen: 0.411 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.012 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion:104 Resp: 2059
Ion Ratio Lower Upper
104 100
78 275.5 43.6 65.4#
103 230.9 43.6 65.4#

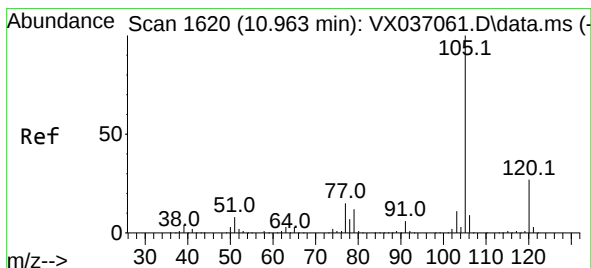
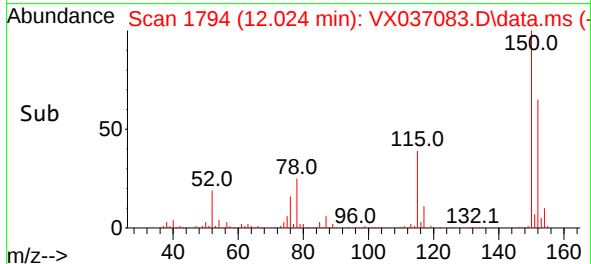
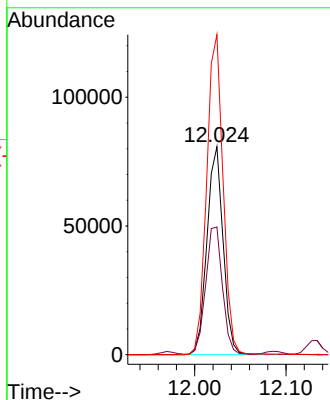
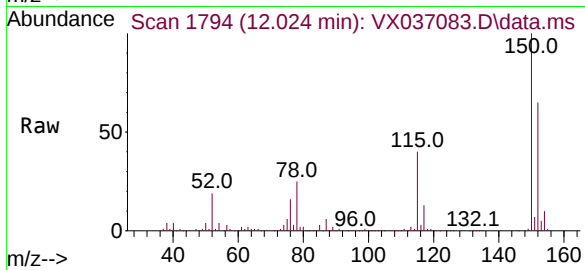




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

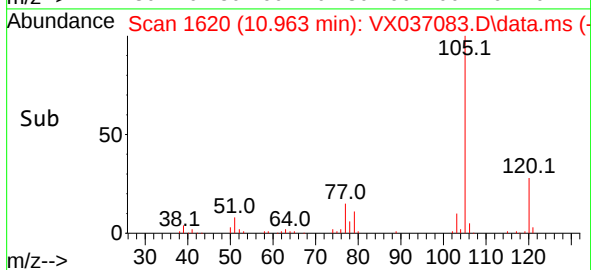
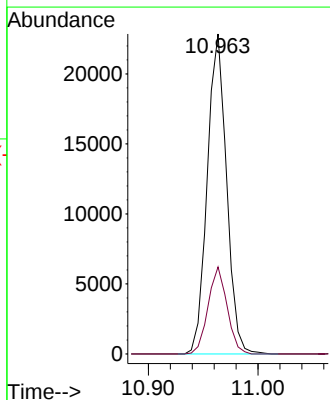
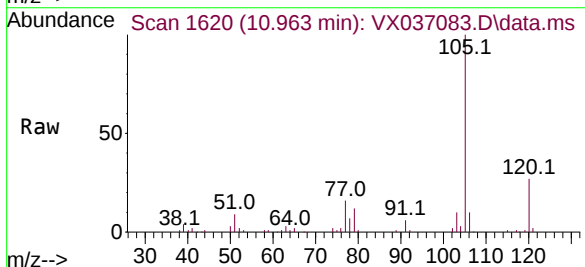
Instrument :
MSVOA_X
ClientSampleId :

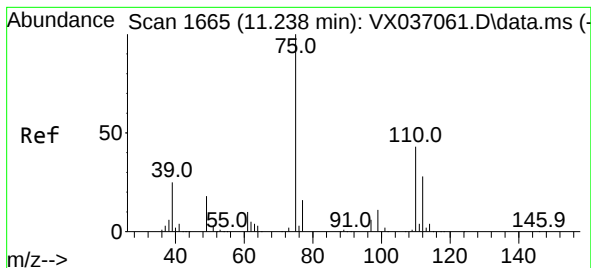
Tgt Ion:152 Resp: 98864
Ion Ratio Lower Upper
152 100
115 63.5 43.3 129.9
150 156.0 0.0 345.0



#73
Isopropylbenzene
Concen: 3.887 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion:105 Resp: 27933
Ion Ratio Lower Upper
105 100
120 26.8 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 1.102 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.140 min

Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

Instrument :

MSVOA_X

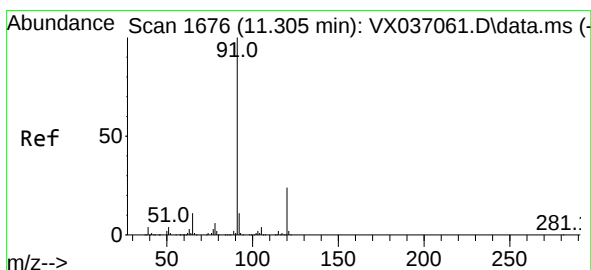
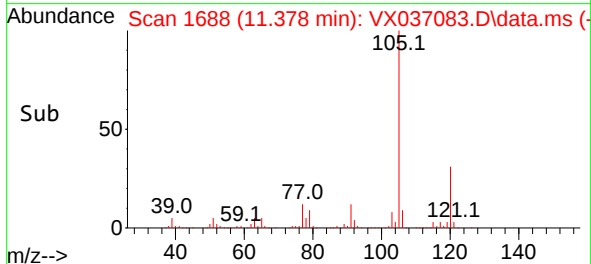
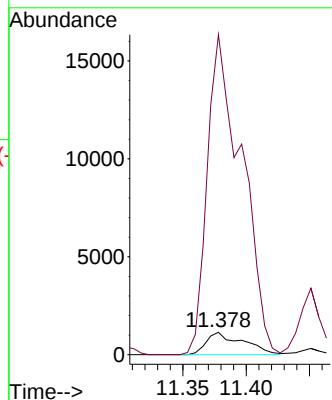
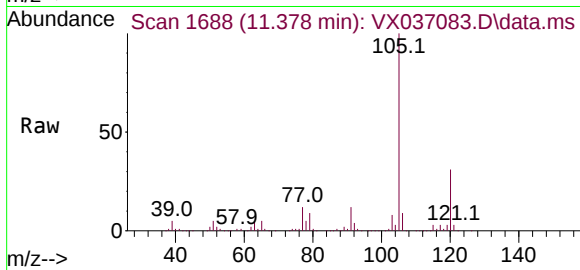
ClientSampleId :

Tgt Ion: 75 Resp: 2320

Ion Ratio Lower Upper

75 100

77 1338.3 19.1 57.5#



#78

n-propylbenzene

Concen: 1.228 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX037083.D

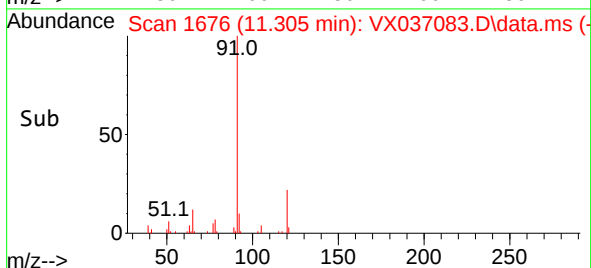
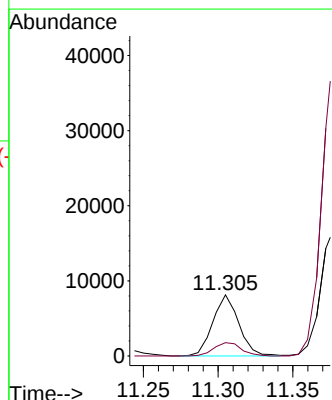
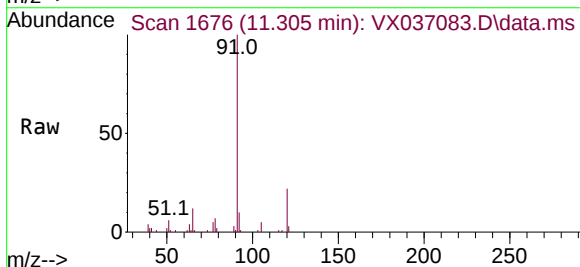
Acq: 18 Aug 2023 14:43

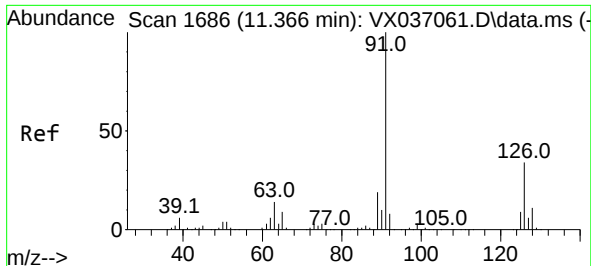
Tgt Ion: 91 Resp: 9827

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.4#





#79

2-Chlorotoluene

Concen: 6.445 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

Instrument :

MSVOA_X

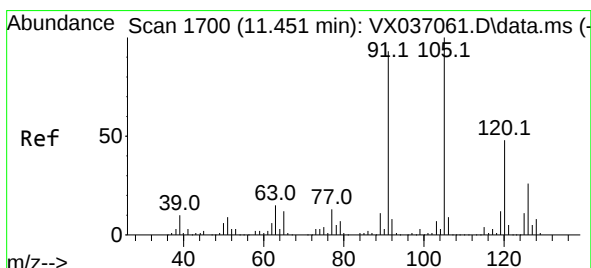
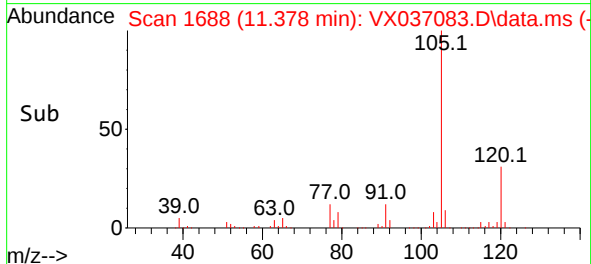
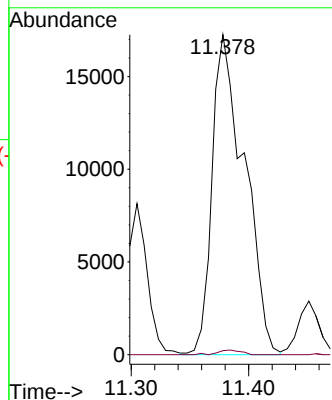
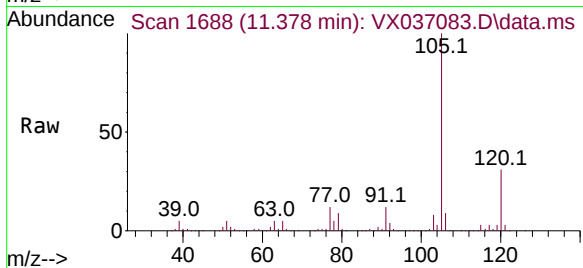
ClientSampleId :

Tgt Ion: 91 Resp: 32954

Ion Ratio Lower Upper

91 100

126 1.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 4.869 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX037083.D

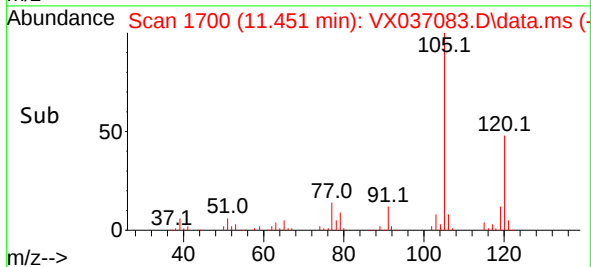
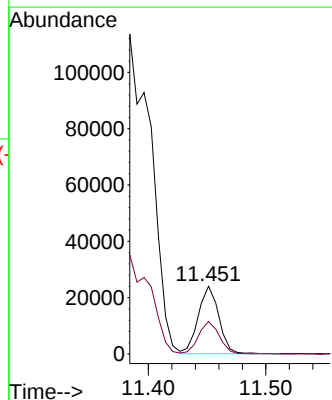
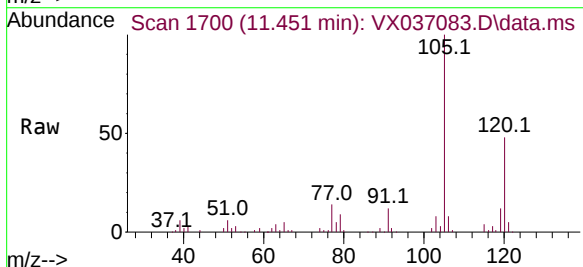
Acq: 18 Aug 2023 14:43

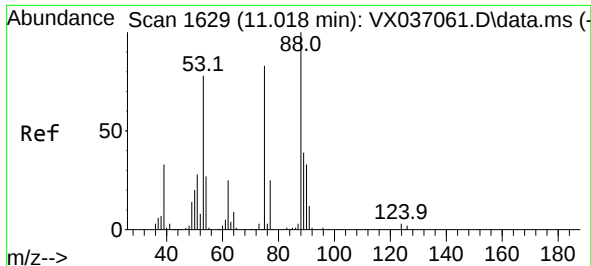
Tgt Ion: 105 Resp: 29186

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.3

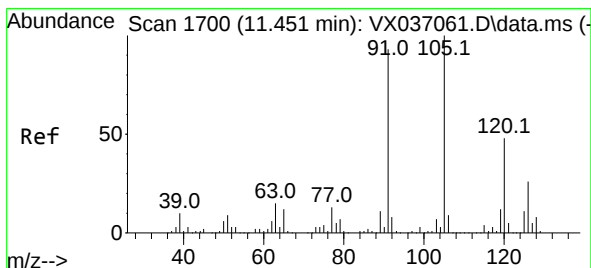
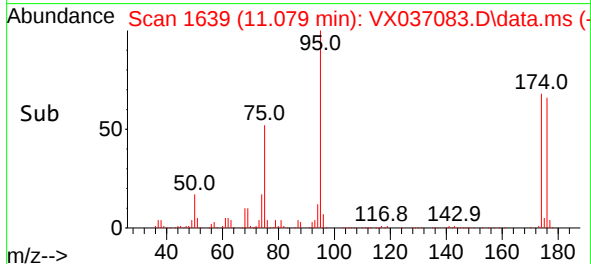
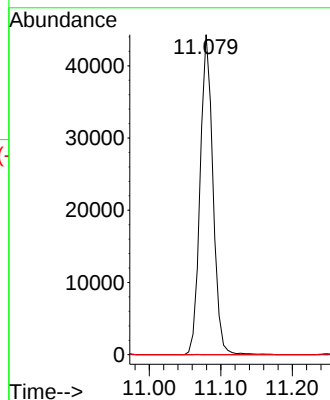
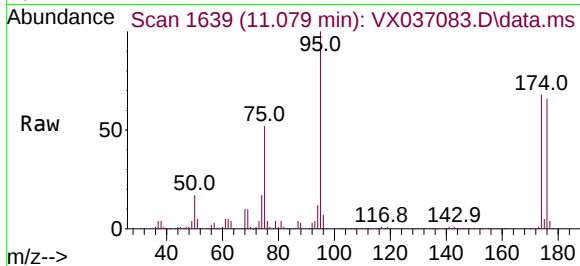




#81
trans-1,4-Dichloro-2-butene
Concen: 73.147 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

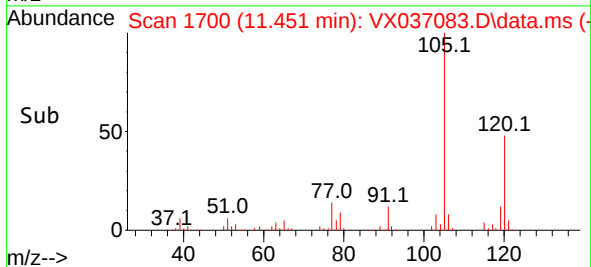
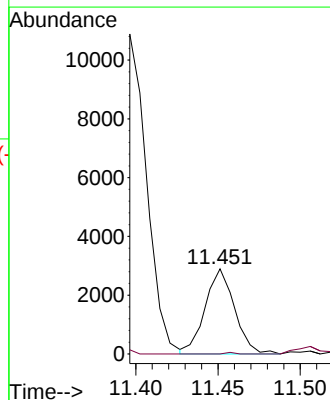
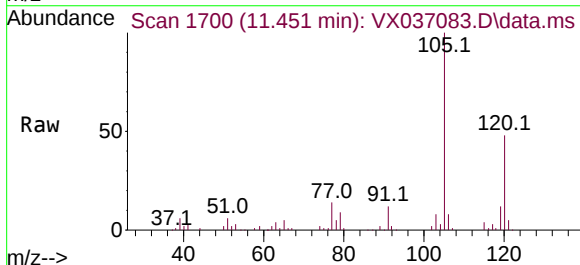
Instrument :
MSVOA_X
ClientSampleId :

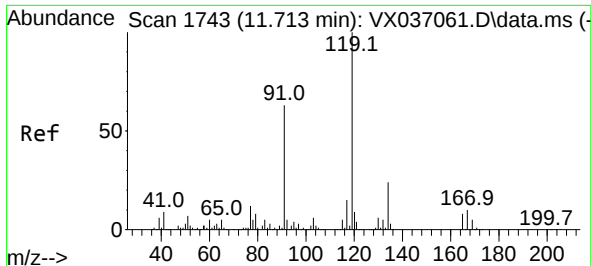
Tgt Ion: 75 Resp: 55140
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.611 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion: 91 Resp: 3605
Ion Ratio Lower Upper
91 100
126 0.6 14.2 42.6#

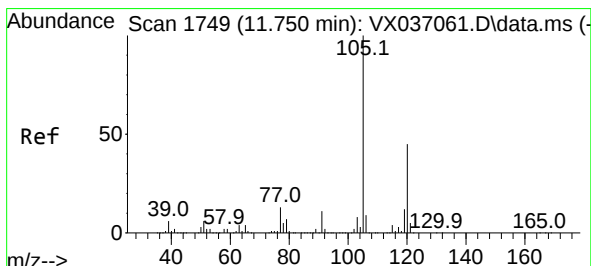
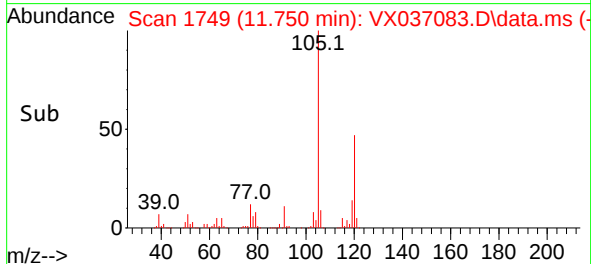
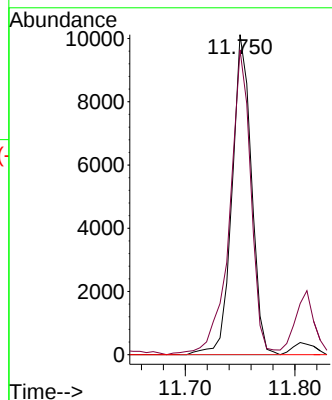
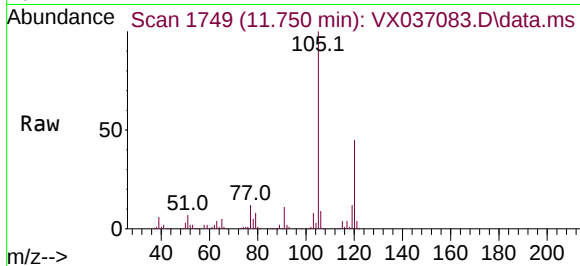




#83
tert-Butylbenzene
Concen: 2.169 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.037 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

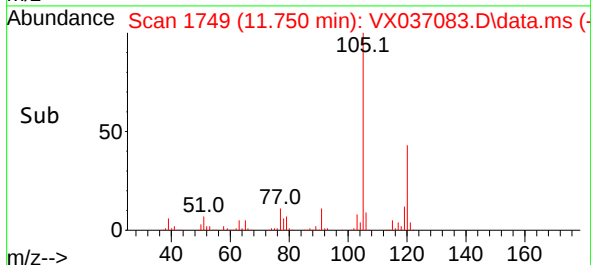
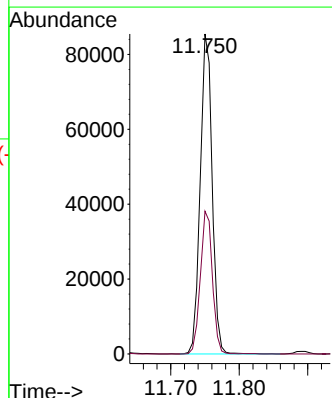
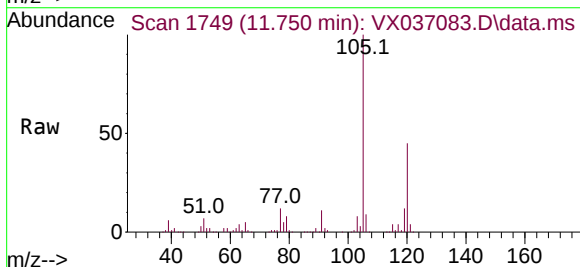
Instrument :
MSVOA_X
ClientSampleId :

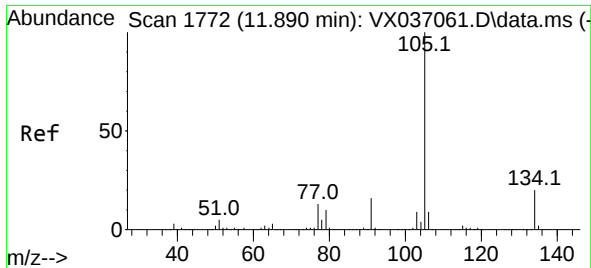
Tgt Ion:119 Resp: 12402
Ion Ratio Lower Upper
119 100
91 105.2 31.2 93.6#
134 0.0 11.7 35.0#



#84
1,2,4-Trimethylbenzene
Concen: 17.123 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion:105 Resp: 103737
Ion Ratio Lower Upper
105 100
120 45.0 21.2 63.6

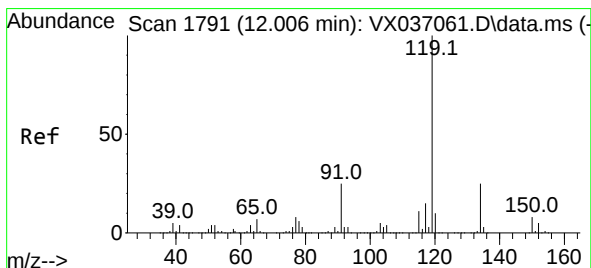
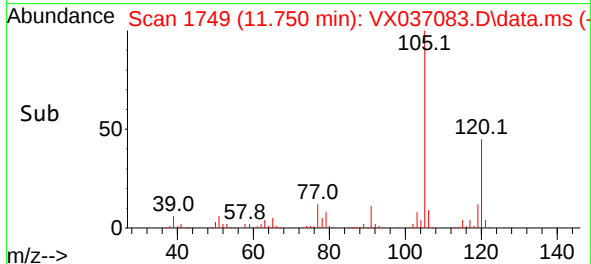
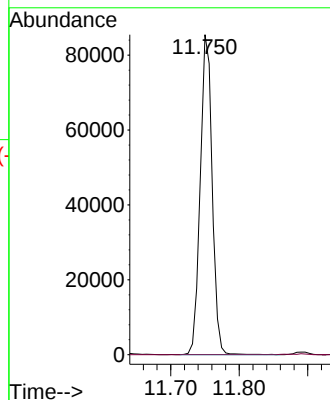
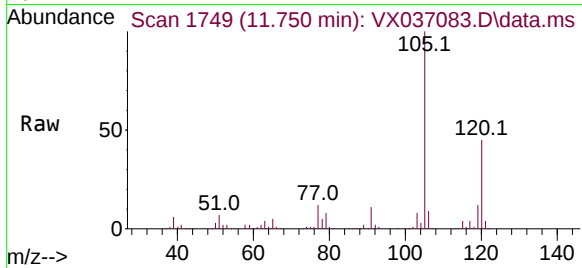




#85
 sec-Butylbenzene
 Concen: 15.535 ug/l
 RT: 11.750 min Scan# 1178
 Delta R.T. -0.140 min
 Lab File: VX037083.D
 Acq: 18 Aug 2023 14:43

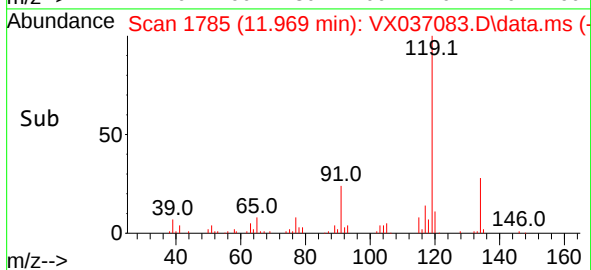
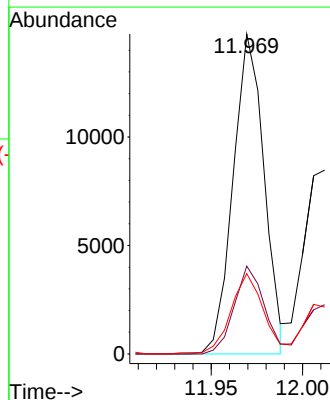
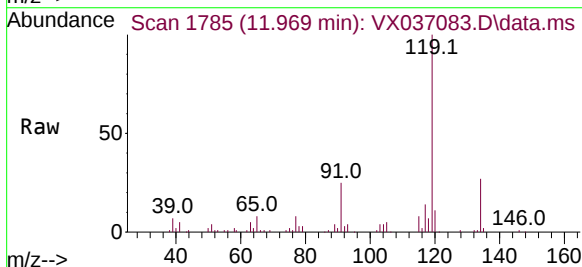
Instrument :
 MSVOA_X
 ClientSampleId :

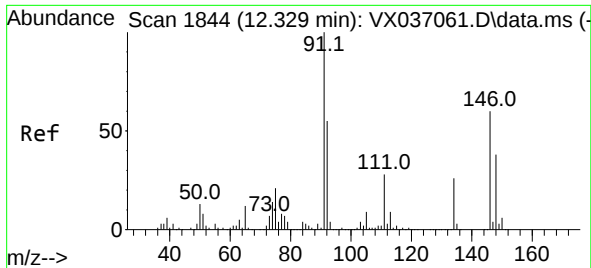
Tgt Ion:105 Resp: 103737
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.4#



#86
 p-Isopropyltoluene
 Concen: 3.027 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.036 min
 Lab File: VX037083.D
 Acq: 18 Aug 2023 14:43

Tgt Ion:119 Resp: 17402
 Ion Ratio Lower Upper
 119 100
 134 27.5 12.8 38.3
 91 26.3 13.1 39.3

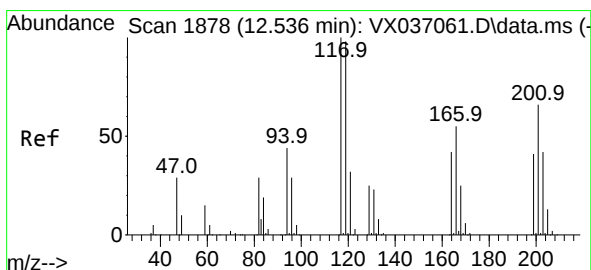
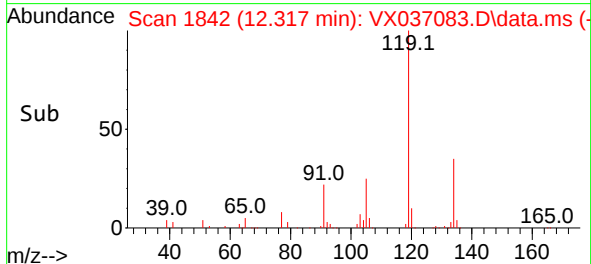
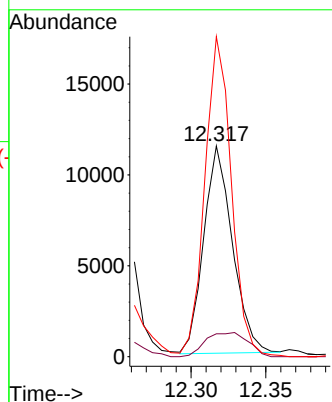
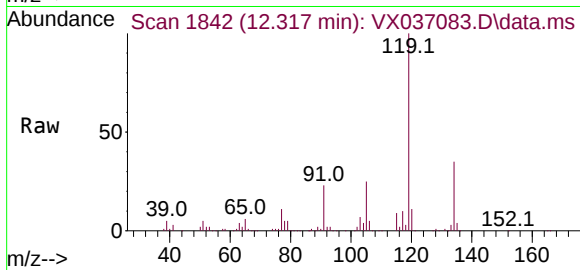




#89
n-Butylbenzene
Concen: 3.206 ug/l
RT: 12.317 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

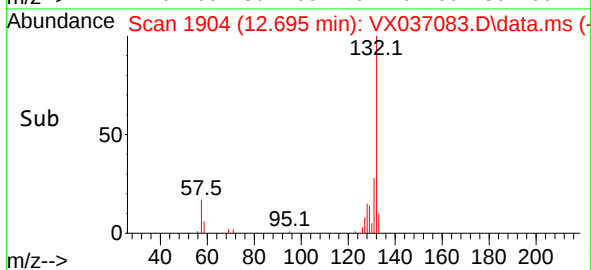
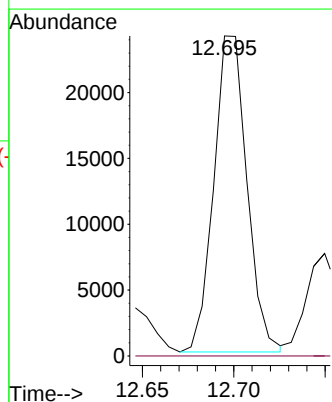
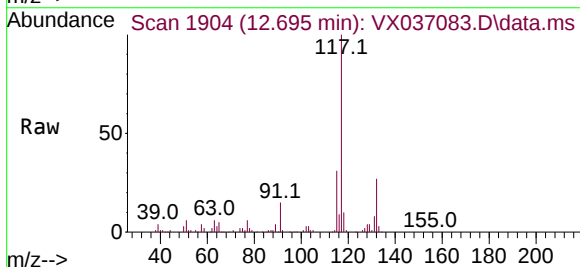
Instrument :
MSVOA_X
ClientSampleId :

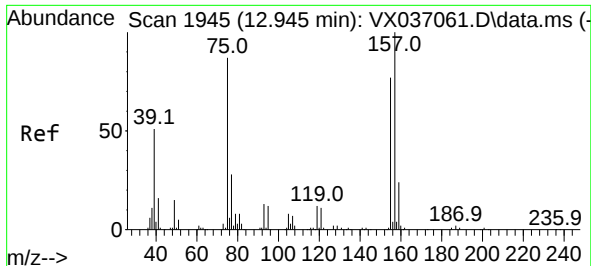
Tgt Ion: 91 Resp: 15278
Ion Ratio Lower Upper
91 100
92 17.3 27.4 82.0#
134 142.4 12.6 37.8#



#90
Hexachloroethane
Concen: 31.617 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.159 min
Lab File: VX037083.D
Acq: 18 Aug 2023 14:43

Tgt Ion: 117 Resp: 30334
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.510 ug/l

RT: 12.957 min Scan# 1945

Delta R.T. 0.012 min

Lab File: VX037083.D

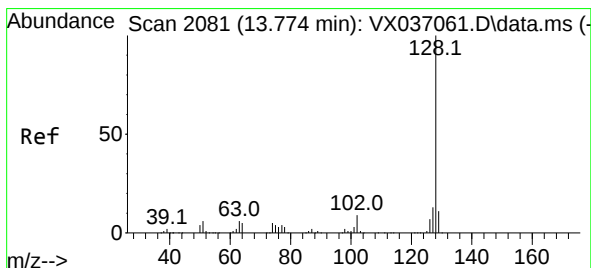
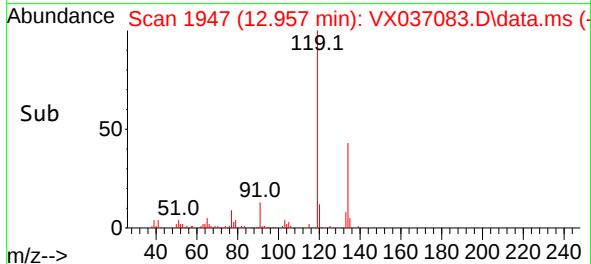
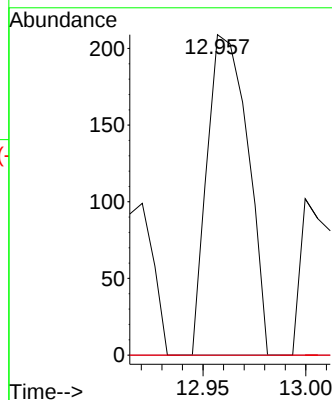
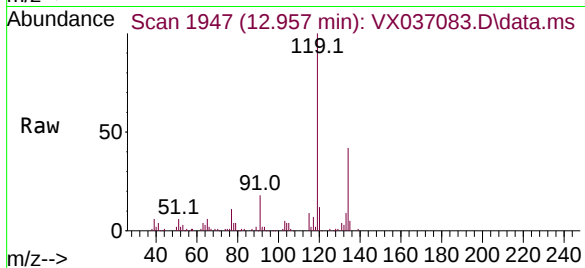
Acq: 18 Aug 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 75	Resp:	287
Ion	Ratio	Lower Upper
75	100	
155	0.0	36.1 108.5#
157	0.0	44.9 134.7#



#95

Naphthalene

Concen: 687.042 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX037083.D

Acq: 18 Aug 2023 14:43

Tgt Ion: 128	Resp:	5665712
Ion	Ratio	Lower Upper
128	100	
127	14.6	10.3 15.5
129	12.7	8.8 13.2

