

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
 Data File : VX035646.D
 Acq On : 12 May 2023 18:24
 Operator : JC/MD
 Sample : 02702-02DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50033DL

Quant Time: May 15 02:01:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

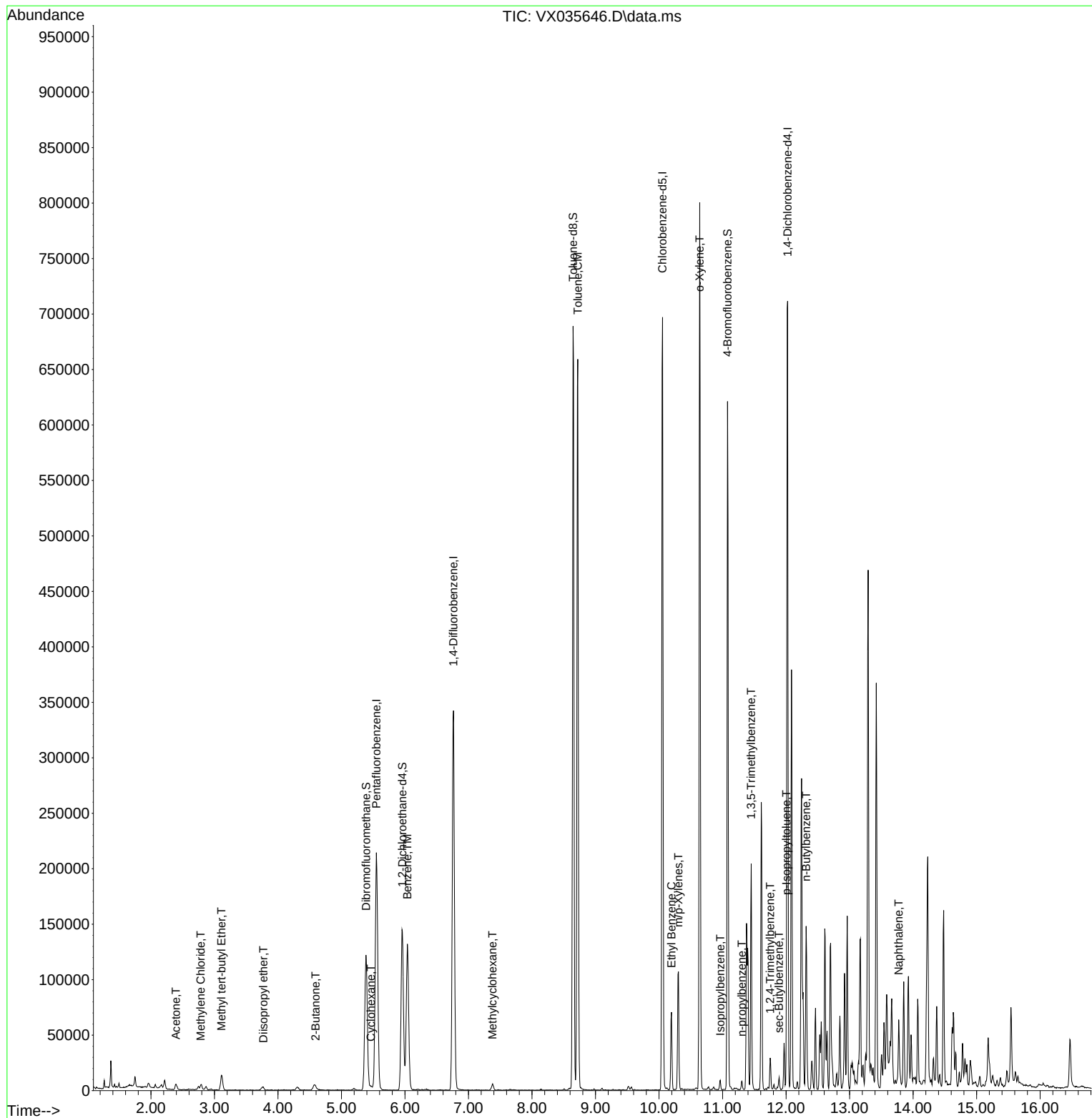
Internal Standards						
1) Pentafluorobenzene	5.550	168	179016	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	325200	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	136637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146624	46.950	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.900%		
35) Dibromofluoromethane	5.385	113	103524	47.204	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.400%		
50) Toluene-d8	8.647	98	397283	49.035	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.080%		
62) 4-Bromofluorobenzene	11.079	95	161350	49.460	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.920%		
Target Compounds					Qvalue	
16) Acetone	2.392	43	7192	5.358	ug/l	# 88
19) Methyl tert-butyl Ether	3.111	73	14253	1.797	ug/l	98
20) Methylene Chloride	2.782	84	2131	0.876	ug/l	93
22) Diisopropyl ether	3.770	45	3369	0.403	ug/l	# 54
25) 2-Butanone	4.593	43	2020	1.087	ug/l	# 88
31) Cyclohexane	5.465	56	2223	0.563	ug/l	# 80
39) Methylcyclohexane	7.379	83	2178	0.534	ug/l	# 79
40) Benzene	6.038	78	148983	15.384	ug/l	98
52) Toluene	8.720	92	238982	39.093	ug/l	99
67) Ethyl Benzene	10.195	91	39413	3.264	ug/l	98
68) m/p-Xylenes	10.305	106	23020	5.157	ug/l	91
69) o-Xylene	10.640	106	153020	34.547	ug/l	93
73) Isopropylbenzene	10.964	105	3755	0.326	ug/l	97
78) n-propylbenzene	11.305	91	5138	0.380	ug/l	# 53
80) 1,3,5-Trimethylbenzene	11.451	105	79519	8.126	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	11960	1.217	ug/l	95
85) sec-Butylbenzene	11.890	105	5439	0.455	ug/l	100
86) p-Isopropyltoluene	12.006	119	6573	0.669	ug/l	88
89) n-Butylbenzene	12.317	91	17193	1.925	ug/l	# 14
95) Naphthalene	13.774	128	34584	3.450	ug/l	97

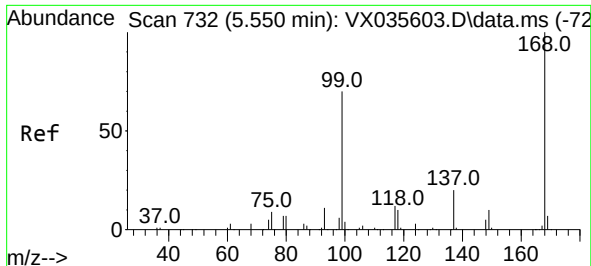
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 15 02:01:38 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration

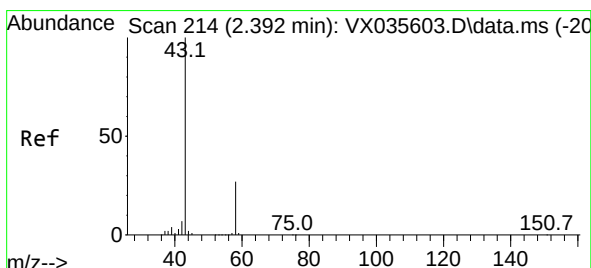
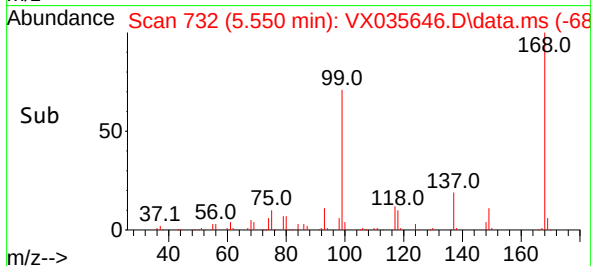
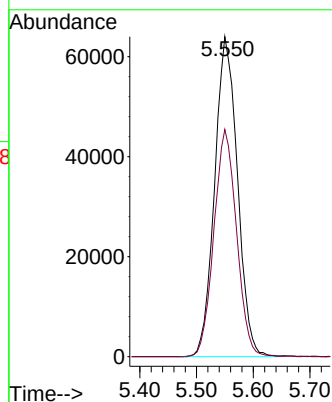
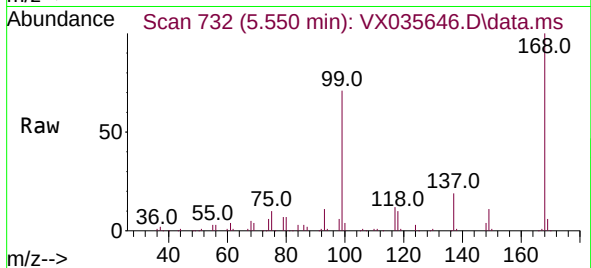




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

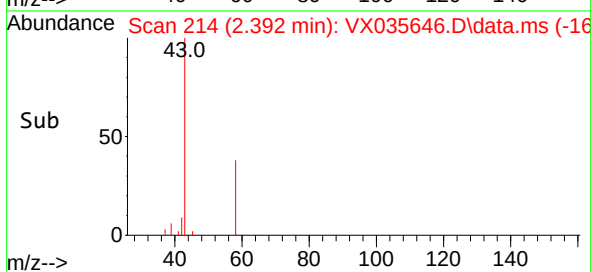
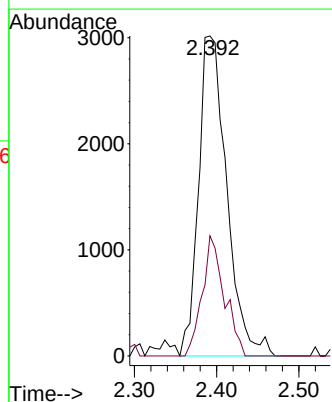
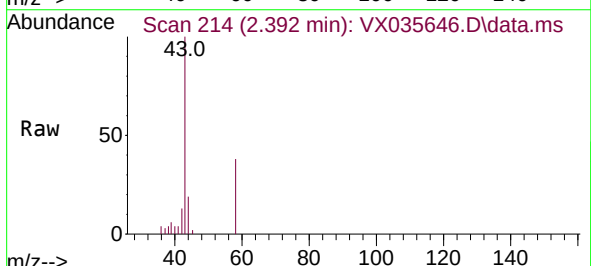
Instrument :
MSVOA_X
ClientSampleId :
50033DL

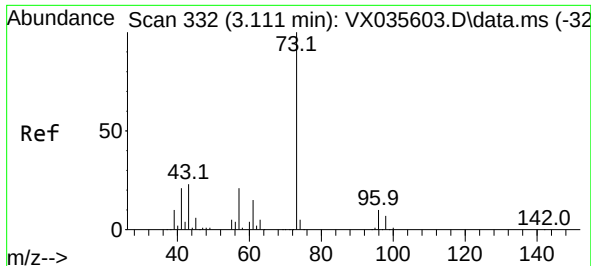
Tgt Ion:168 Resp: 179016
Ion Ratio Lower Upper
168 100
99 71.0 45.7 68.5#



#16
Acetone
Concen: 5.358 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 43 Resp: 7192
Ion Ratio Lower Upper
43 100
58 37.6 24.7 37.1#

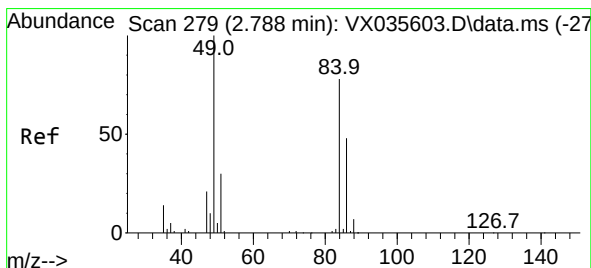
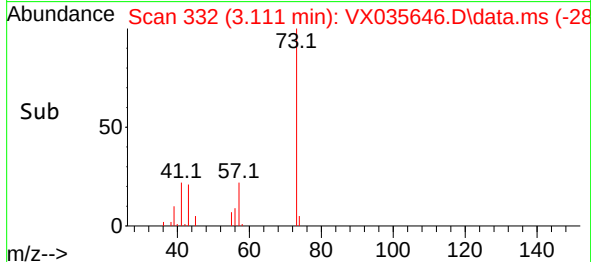
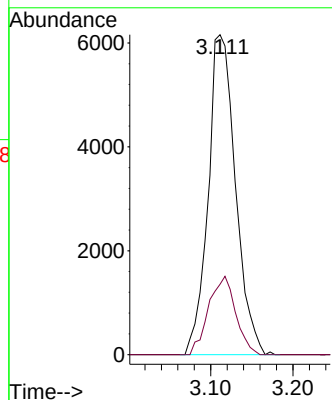
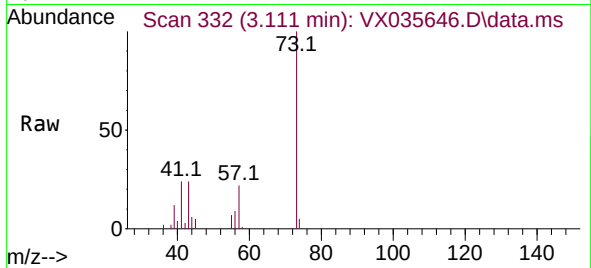




#19
Methyl tert-butyl Ether
Concen: 1.797 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

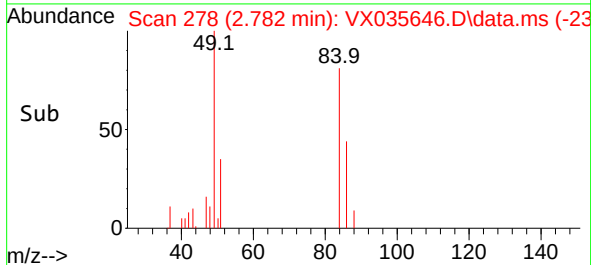
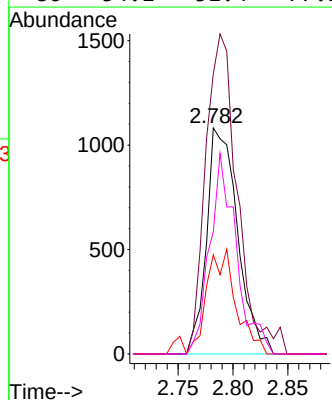
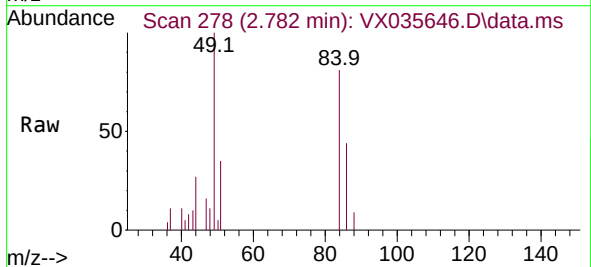
Instrument :
MSVOA_X
ClientSampleId :
50033DL

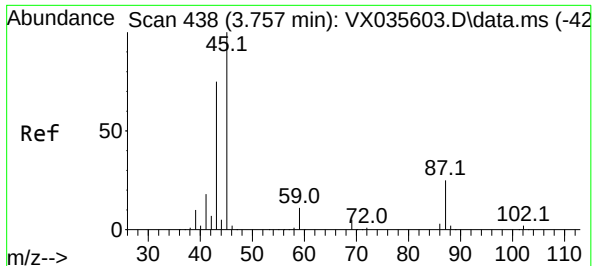
Tgt Ion: 73 Resp: 14253
Ion Ratio Lower Upper
73 100
57 22.0 18.5 27.7



#20
Methylene Chloride
Concen: 0.876 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 84 Resp: 2131
Ion Ratio Lower Upper
84 100
49 124.0 103.8 155.8
51 43.9 31.8 47.8
86 54.1 51.4 77.2

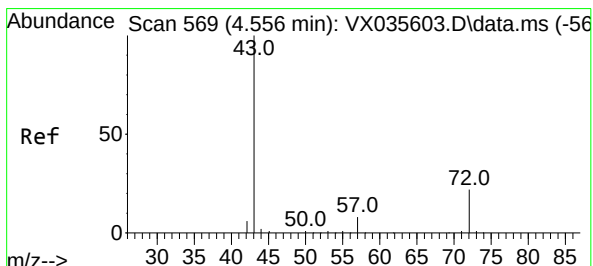
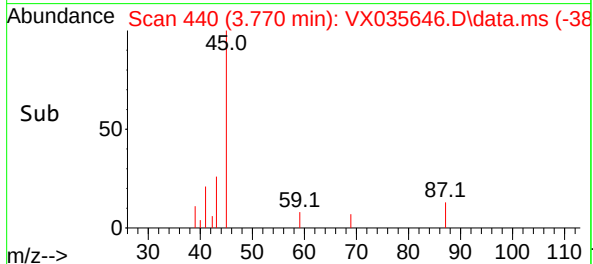
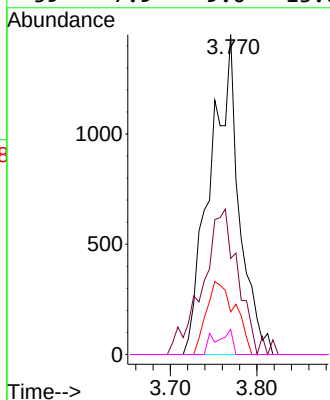
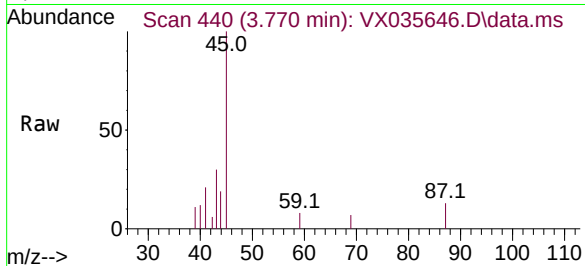




#22
Diisopropyl ether
Concen: 0.403 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.013 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

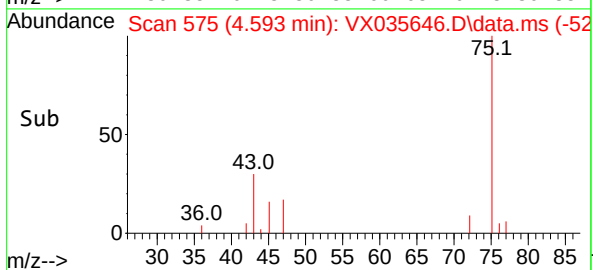
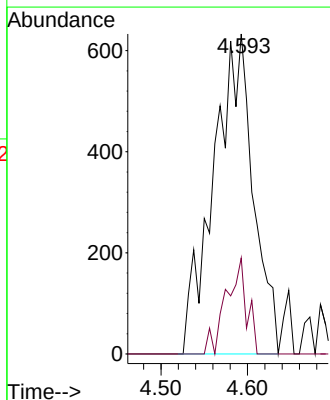
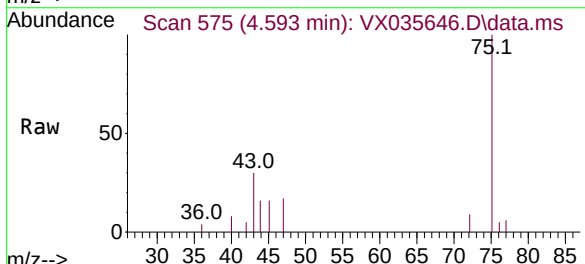
Instrument :
MSVOA_X
ClientSampleId :
50033DL

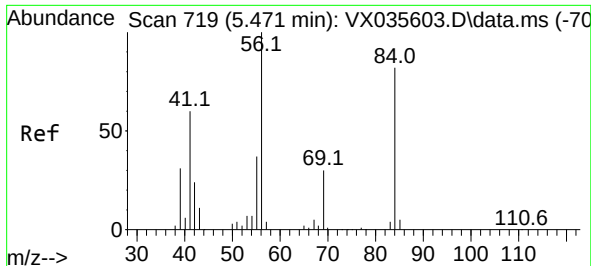
Tgt Ion: 45	Resp: 3369
Ion Ratio	Lower Upper
45 100	
43 30.1	65.4 98.2#
87 13.3	20.6 31.0#
59 7.9	9.0 13.6#



#25
2-Butanone
Concen: 1.087 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.037 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 43	Resp: 2020
Ion Ratio	Lower Upper
43 100	
72 30.0	19.3 28.9#

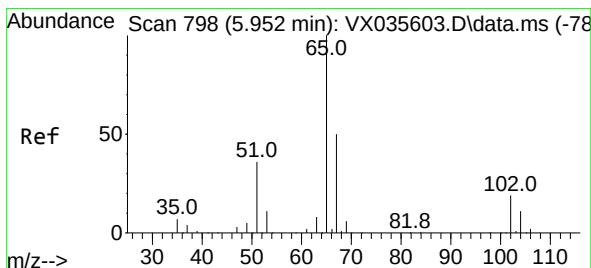
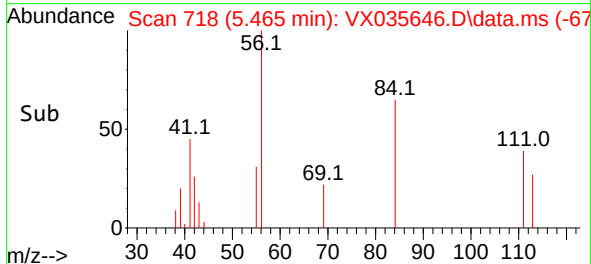
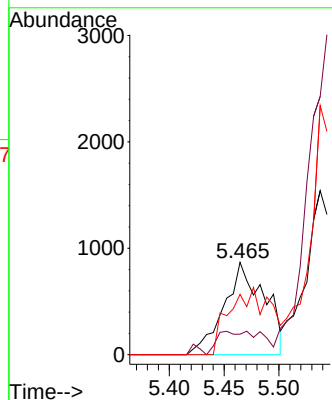
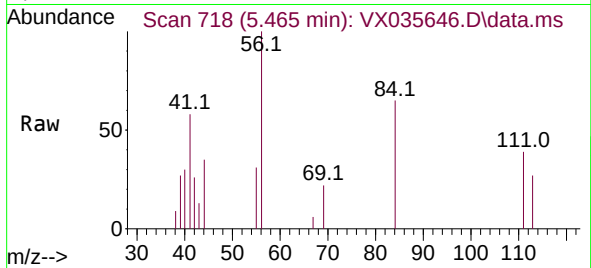




#31
Cyclohexane
Concen: 0.563 ug/l
RT: 5.465 min Scan# 719
Delta R.T. -0.006 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

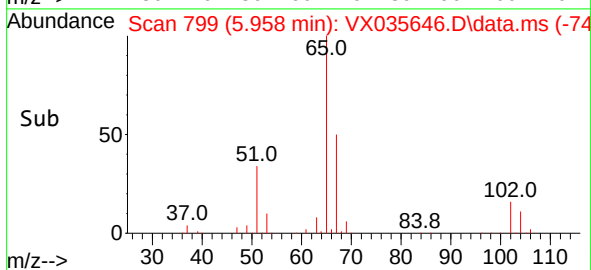
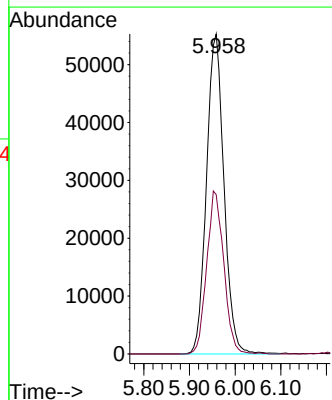
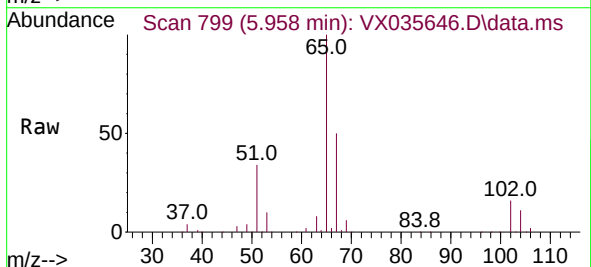
Instrument :
MSVOA_X
ClientSampleId :
50033DL

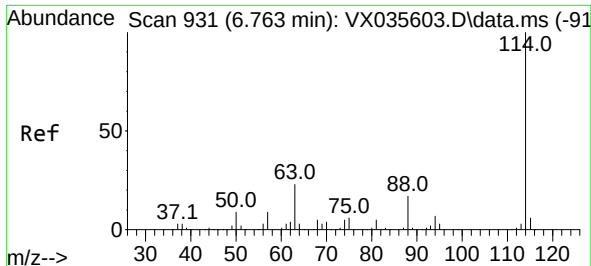
Tgt Ion: 56 Resp: 2223
Ion Ratio Lower Upper
56 100
69 22.3 23.7 35.5#
84 65.4 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.950 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 65 Resp: 146624
Ion Ratio Lower Upper
65 100
67 49.8 0.0 104.0

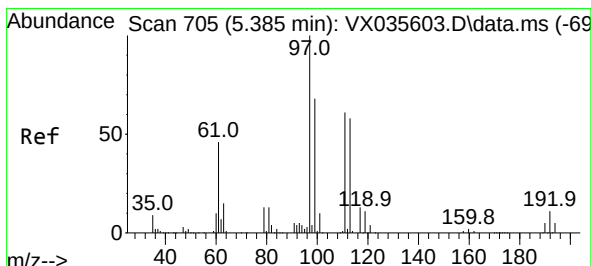
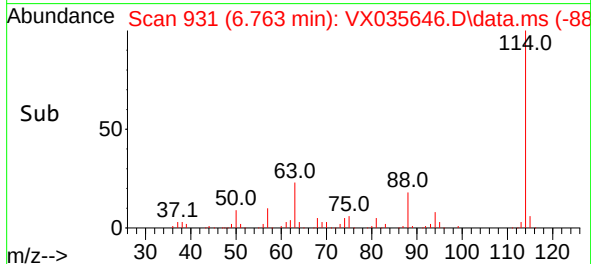
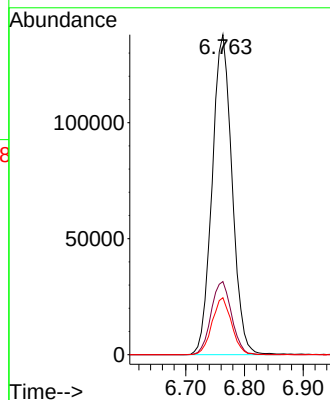
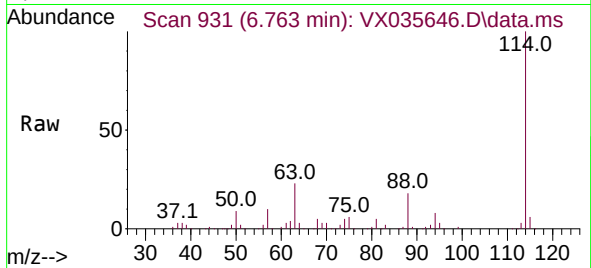




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

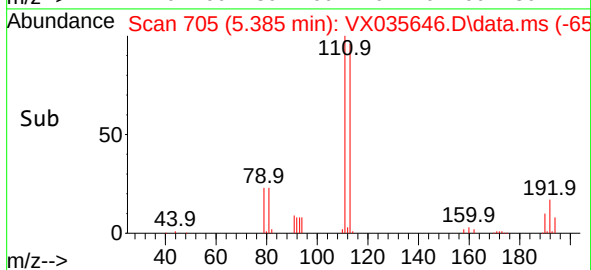
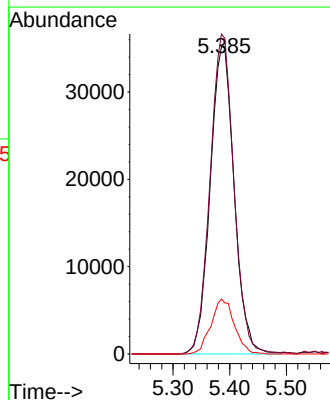
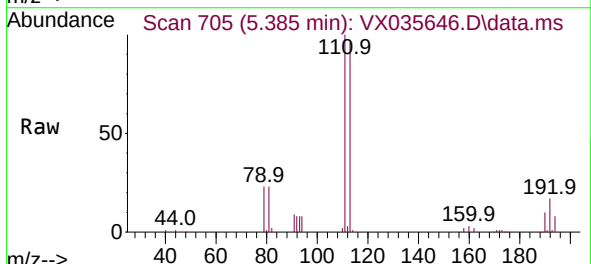
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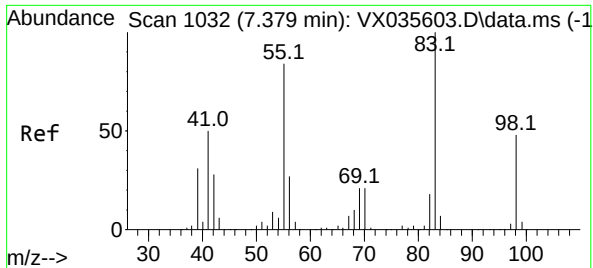
Tgt Ion:114 Resp: 325200
Ion Ratio Lower Upper
114 100
63 22.8 0.0 42.2
88 17.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.204 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion:113 Resp: 103524
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 17.4 15.4 23.2

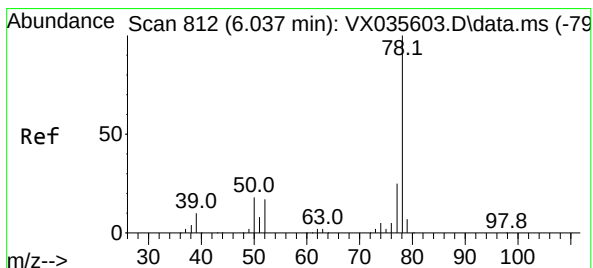
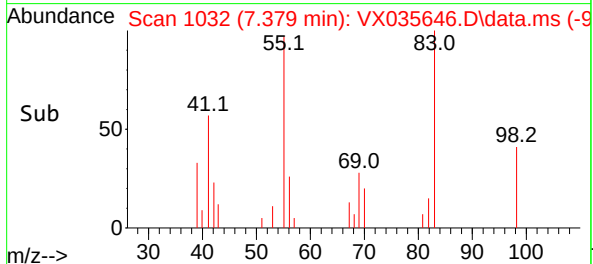
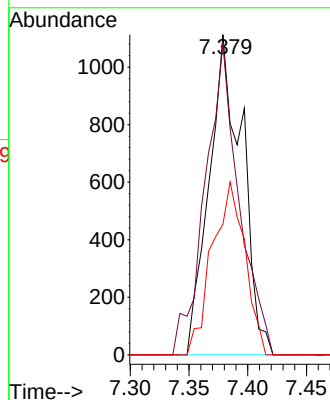
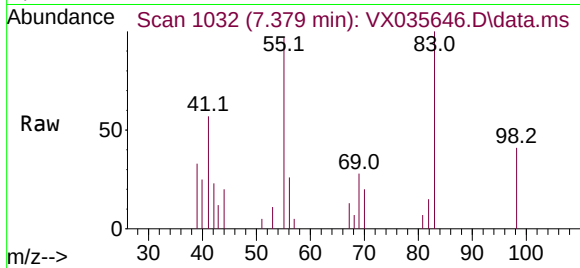




#39
Methylcyclohexane
Concen: 0.534 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

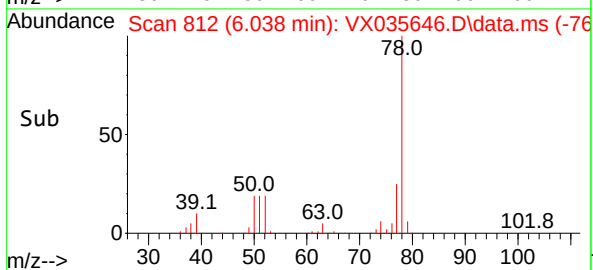
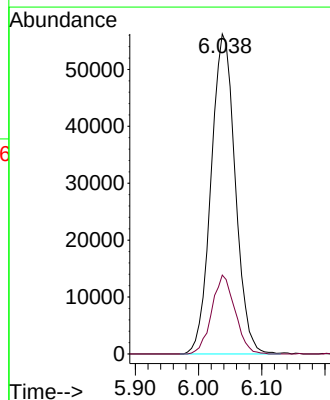
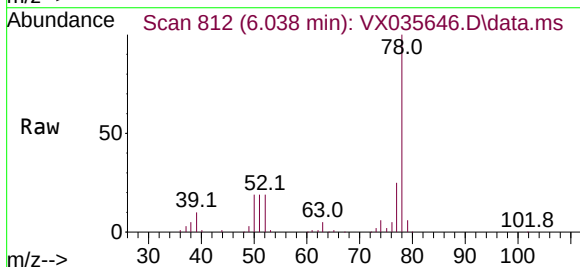
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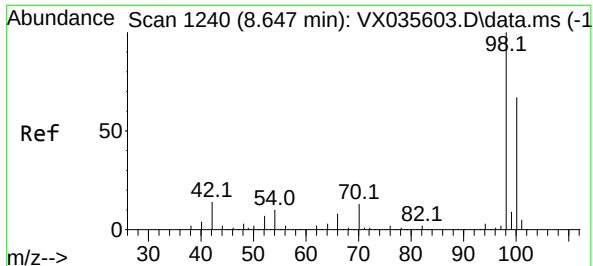
Tgt Ion: 83 Resp: 2178
Ion Ratio Lower Upper
83 100
55 97.1 60.5 90.7#
98 40.8 40.4 60.6



#40
Benzene
Concen: 15.384 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.001 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 78 Resp: 148983
Ion Ratio Lower Upper
78 100
77 24.7 19.0 28.4





#50

Toluene-d8

Concen: 49.035 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035646.D

Acq: 12 May 2023 18:24

Instrument :

MSVOA_X

ClientSampleId :

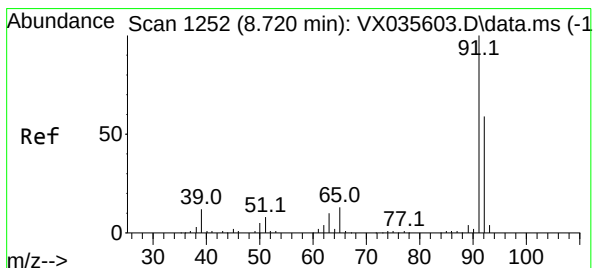
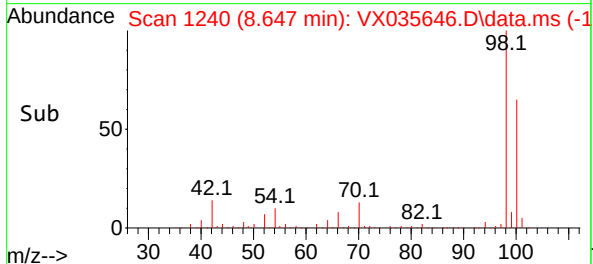
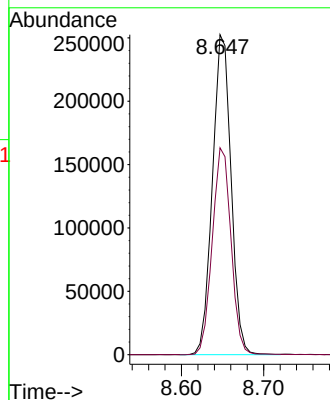
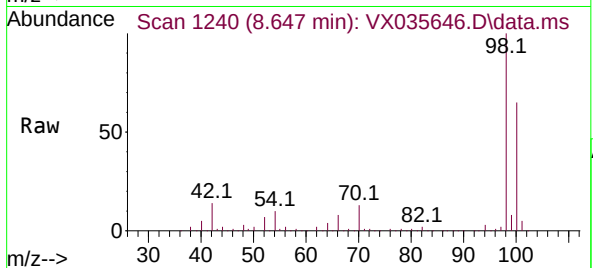
50033DL

Tgt Ion: 98 Resp: 397283

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7



#52

Toluene

Concen: 39.093 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX035646.D

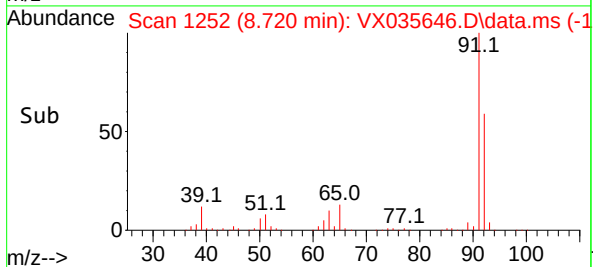
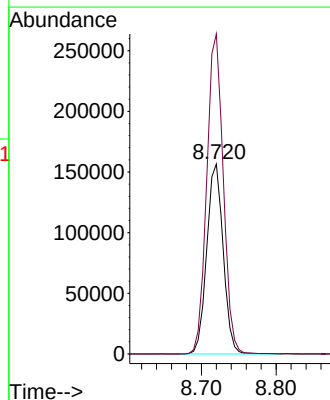
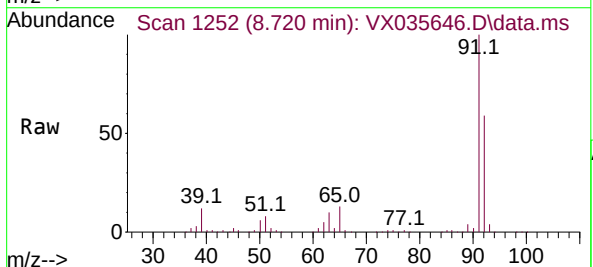
Acq: 12 May 2023 18:24

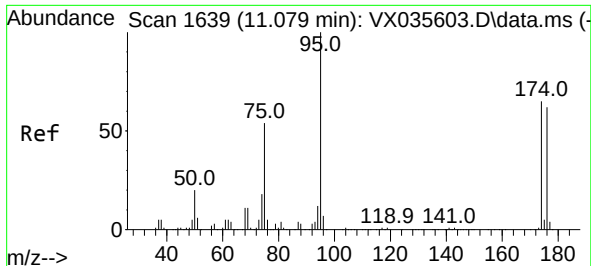
Tgt Ion: 92 Resp: 238982

Ion Ratio Lower Upper

92 100

91 169.4 136.8 205.2

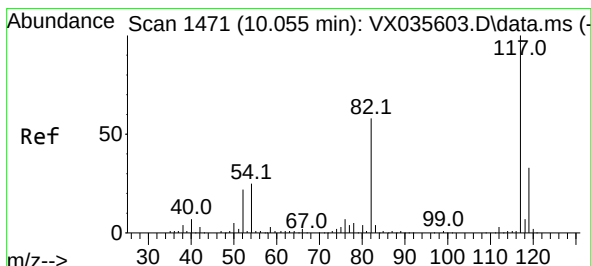
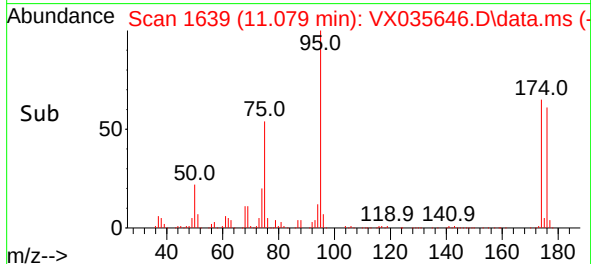
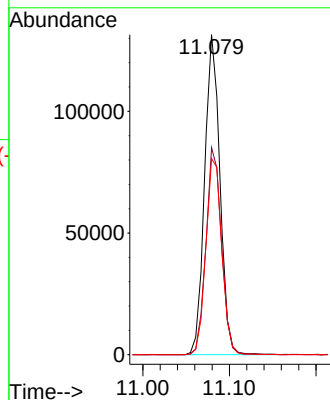
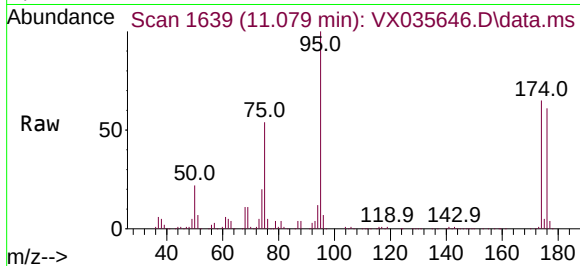




#62
4-Bromofluorobenzene
Concen: 49.460 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

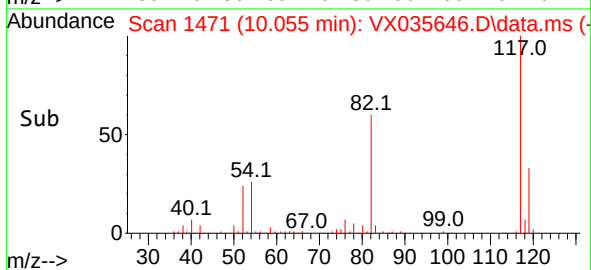
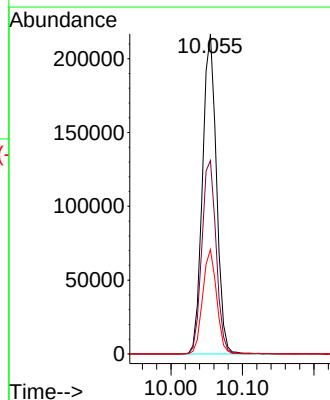
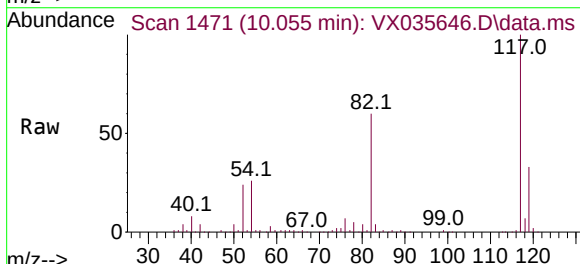
Instrument :
MSVOA_X
ClientSampleId :
50033DL

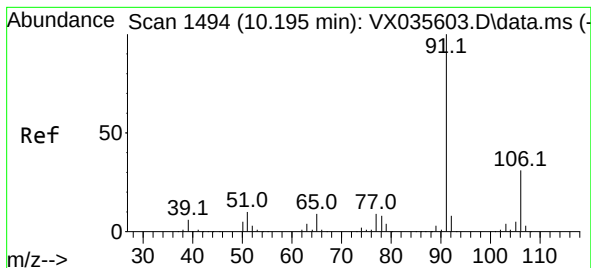
Tgt Ion: 95 Resp: 161350
Ion Ratio Lower Upper
95 100
174 65.9 0.0 147.4
176 63.8 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 117 Resp: 294143
Ion Ratio Lower Upper
117 100
82 60.5 45.0 67.4
119 32.6 26.0 39.0

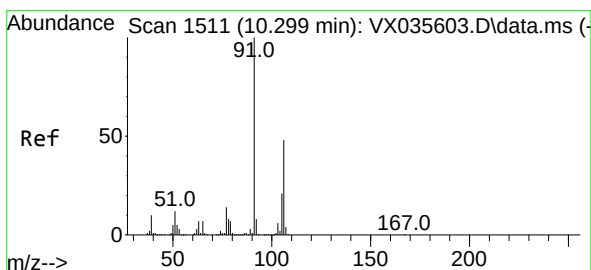
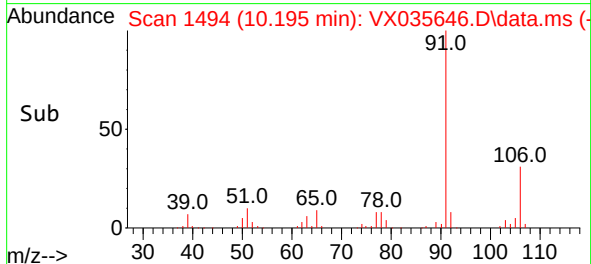
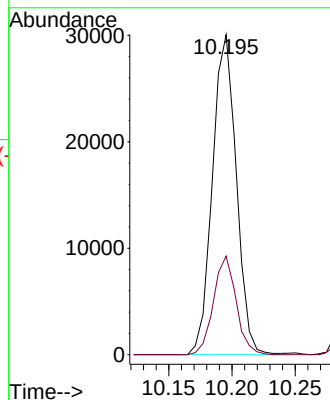
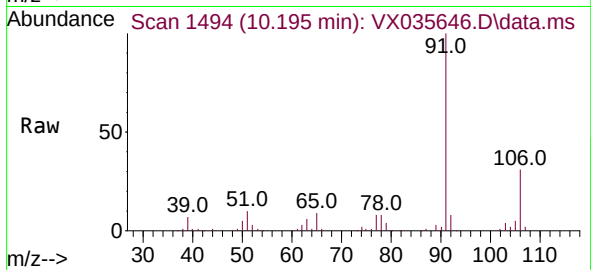




#67
Ethyl Benzene
Concen: 3.264 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

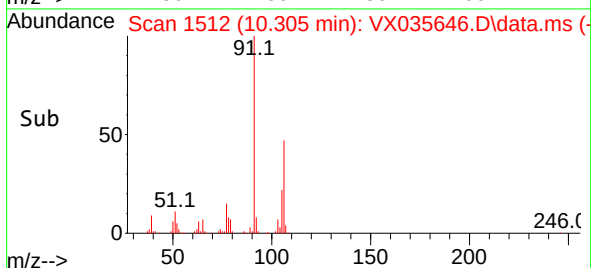
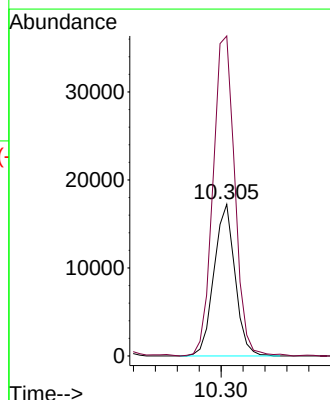
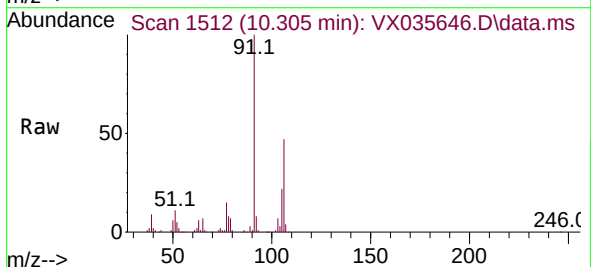
Instrument :
MSVOA_X
ClientSampleId :
50033DL

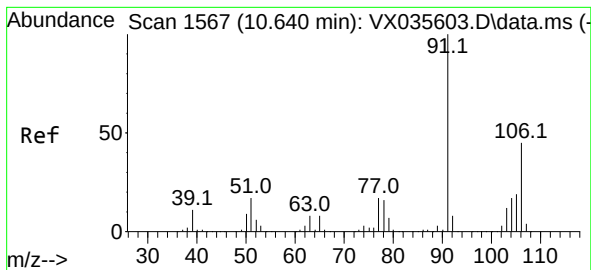
Tgt Ion: 91 Resp: 39413
Ion Ratio Lower Upper
91 100
106 30.8 25.6 38.4



#68
m/p-Xylenes
Concen: 5.157 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 106 Resp: 23020
Ion Ratio Lower Upper
106 100
91 218.4 164.0 246.0

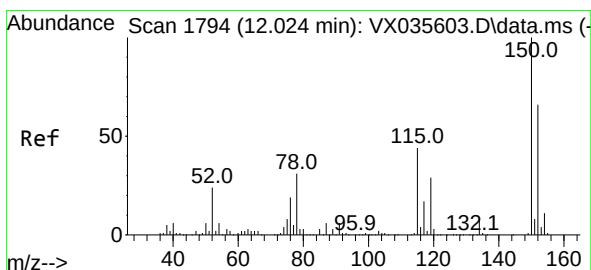
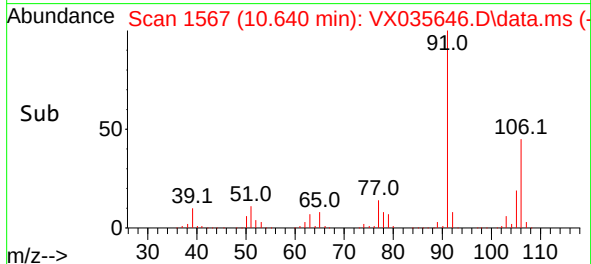
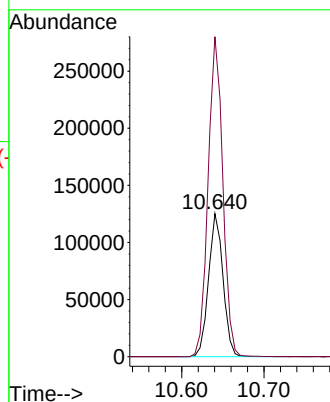
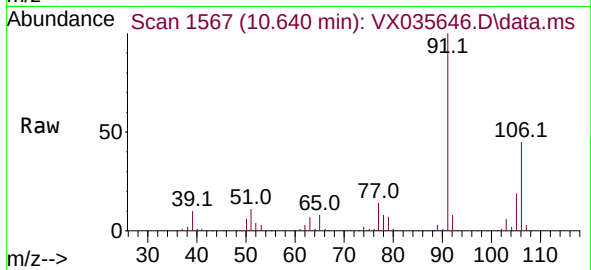




#69
o-Xylene
Concen: 34.547 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

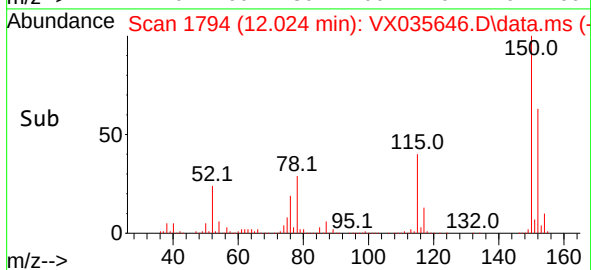
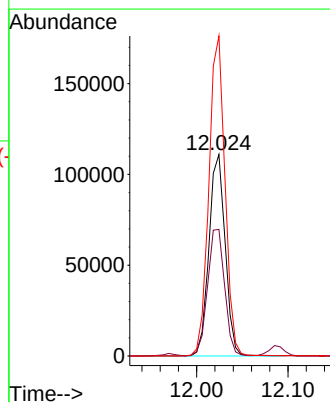
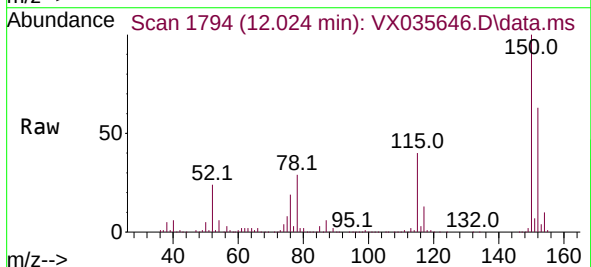
Instrument :
MSVOA_X
ClientSampleId :
50033DL

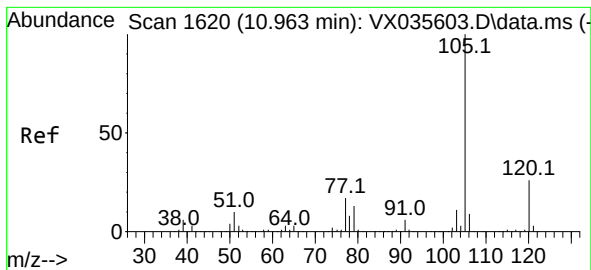
Tgt Ion:106 Resp: 153020
Ion Ratio Lower Upper
106 100
91 227.9 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion:152 Resp: 136637
Ion Ratio Lower Upper
152 100
115 65.7 45.0 135.0
150 157.6 0.0 352.4





#73

Isopropylbenzene

Concen: 0.326 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.001 min

Lab File: VX035646.D

Acq: 12 May 2023 18:24

Instrument :

MSVOA_X

ClientSampleId :

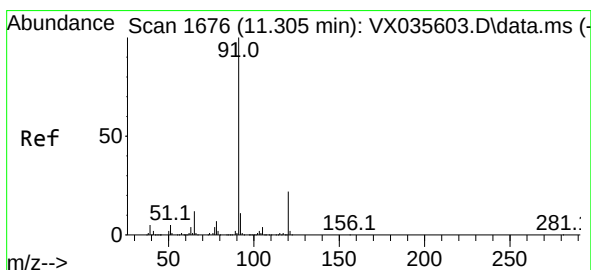
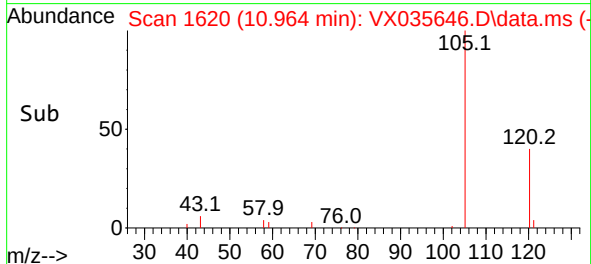
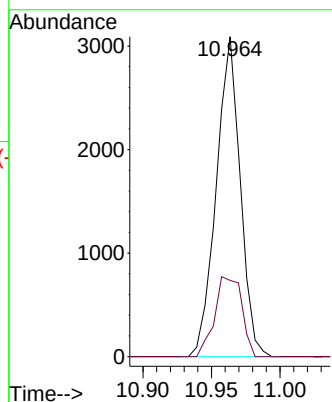
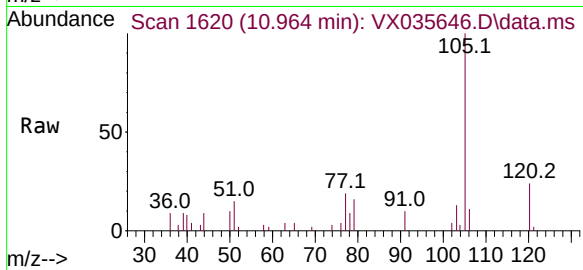
50033DL

Tgt Ion:105 Resp: 3755

Ion Ratio Lower Upper

105 100

120 28.2 13.3 39.9



#78

n-propylbenzene

Concen: 0.380 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX035646.D

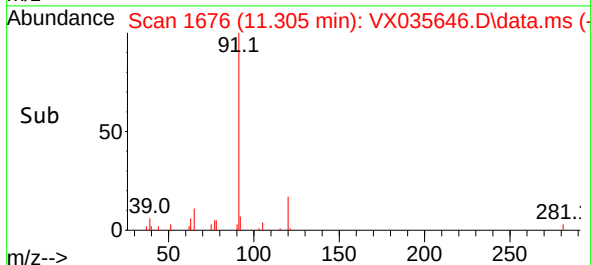
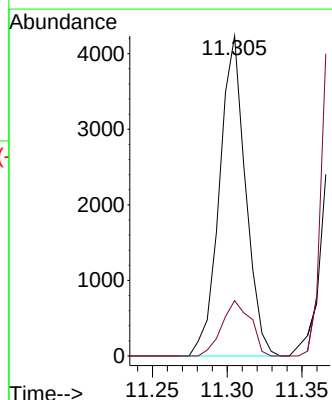
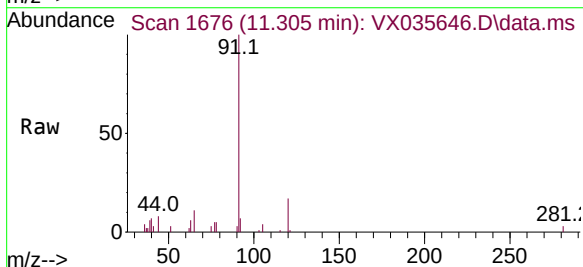
Acq: 12 May 2023 18:24

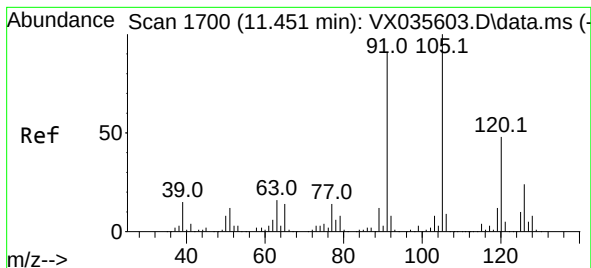
Tgt Ion: 91 Resp: 5138

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.5#





#80

1,3,5-Trimethylbenzene

Concen: 8.126 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035646.D

Acq: 12 May 2023 18:24

Instrument :

MSVOA_X

ClientSampleId :

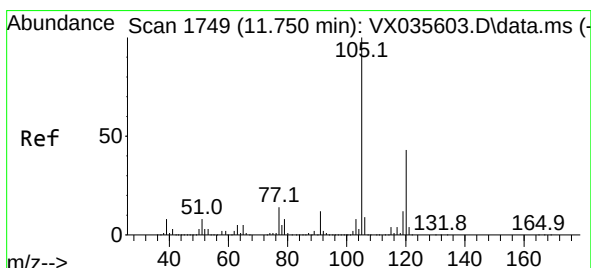
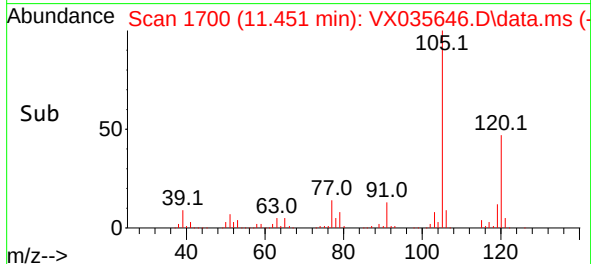
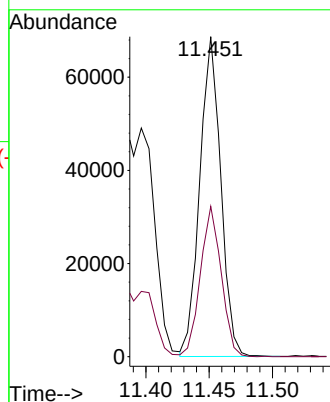
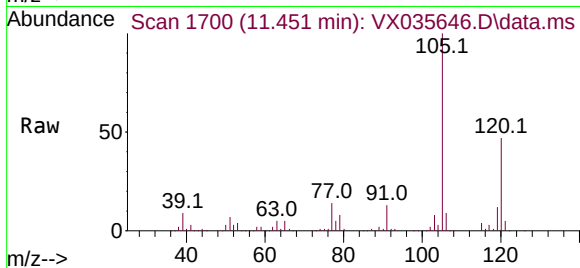
50033DL

Tgt Ion:105 Resp: 79519

Ion Ratio Lower Upper

105 100

120 46.6 23.7 71.1



#84

1,2,4-Trimethylbenzene

Concen: 1.217 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX035646.D

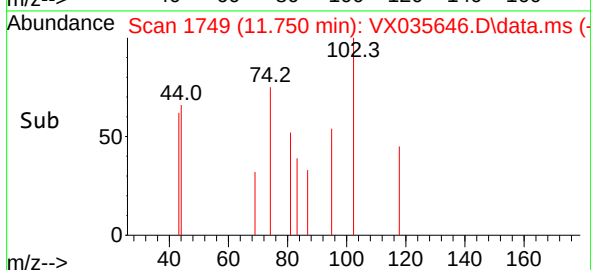
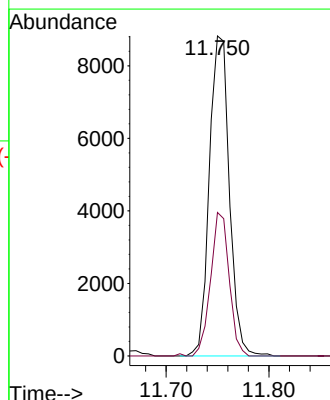
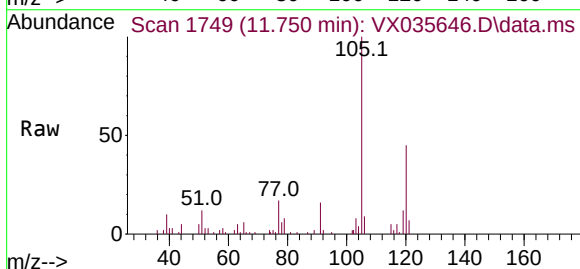
Acq: 12 May 2023 18:24

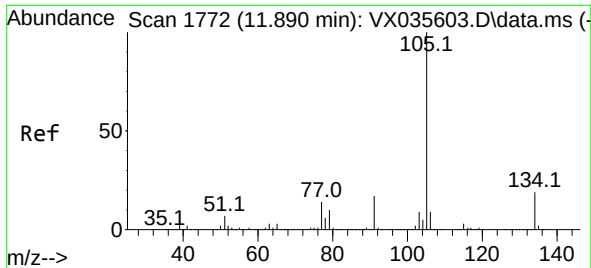
Tgt Ion:105 Resp: 11960

Ion Ratio Lower Upper

105 100

120 41.7 22.4 67.0

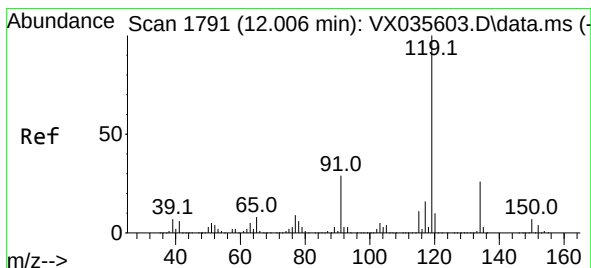
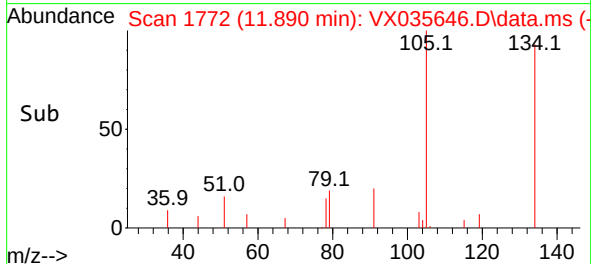
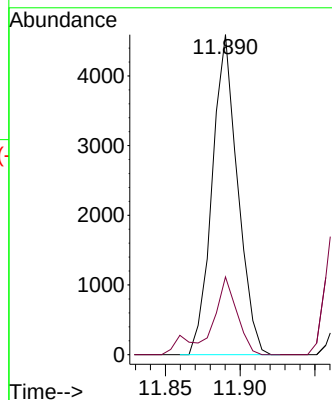
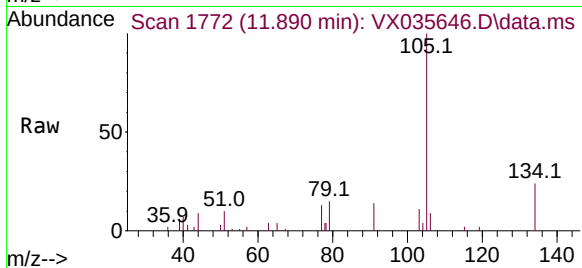




#85
 sec-Butylbenzene
 Concen: 0.455 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX035646.D
 Acq: 12 May 2023 18:24

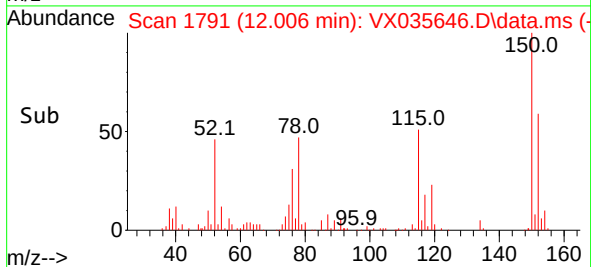
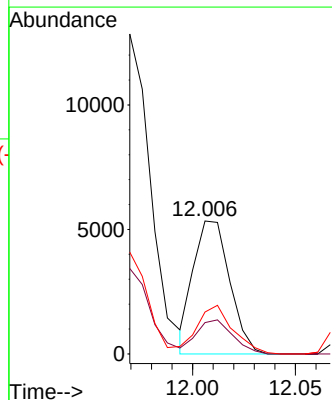
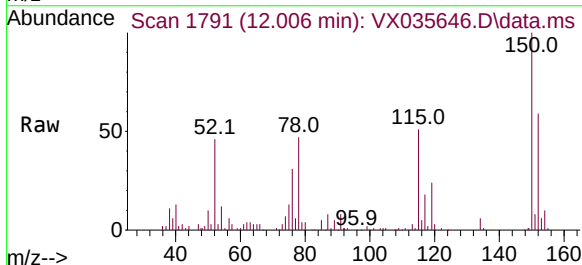
Instrument :
 MSVOA_X
 ClientSampleId :
 50033DL

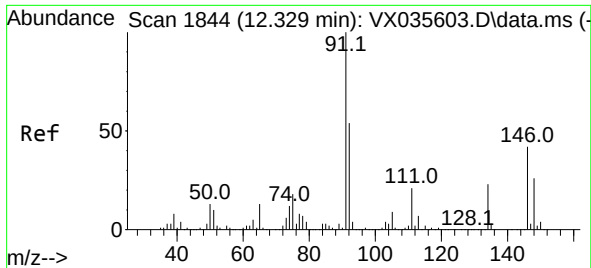
Tgt Ion:105 Resp: 5439
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 0.669 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. 0.000 min
 Lab File: VX035646.D
 Acq: 12 May 2023 18:24

Tgt Ion:119 Resp: 6573
 Ion Ratio Lower Upper
 119 100
 134 25.6 13.2 39.5
 91 37.2 12.9 38.7

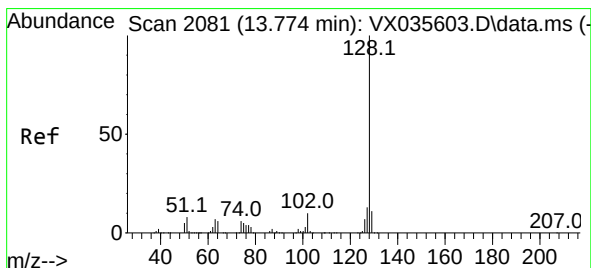
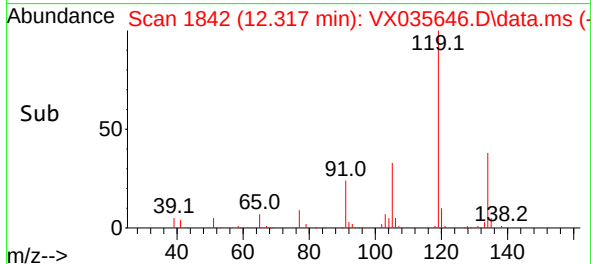
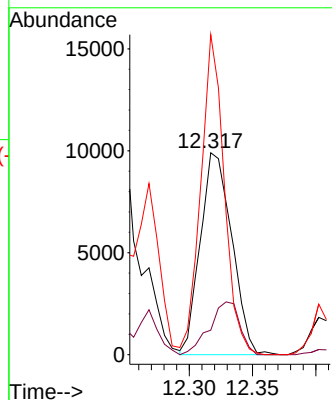
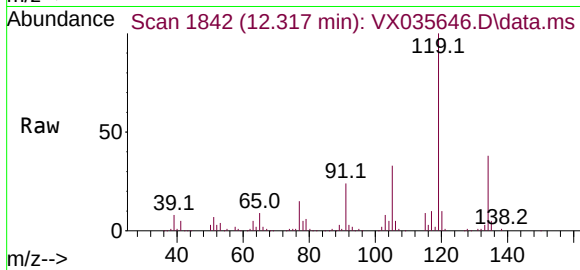




#89
n-Butylbenzene
Concen: 1.925 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. -0.012 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Instrument :
MSVOA_X
ClientSampleId :
50033DL

Tgt Ion: 91 Resp: 17193
Ion Ratio Lower Upper
91 100
92 25.1 27.7 83.0#
134 117.8 13.0 38.9#



#95
Naphthalene
Concen: 3.450 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035646.D
Acq: 12 May 2023 18:24

Tgt Ion: 128 Resp: 34584
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 12.8 8.6 13.0

