

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072420\
 Data File : VX017541.D
 Acq On : 24 Jul 2020 14:36
 Operator : JC/SP
 Sample : L3362-05DL 500X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1754DL

Quant Time: Jul 25 02:51:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	463057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	796290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	790755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	452297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	319973	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
35) Dibromofluoromethane	5.46	113	255981	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
50) Toluene-d8	8.70	98	956924	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.12	95	417538	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	

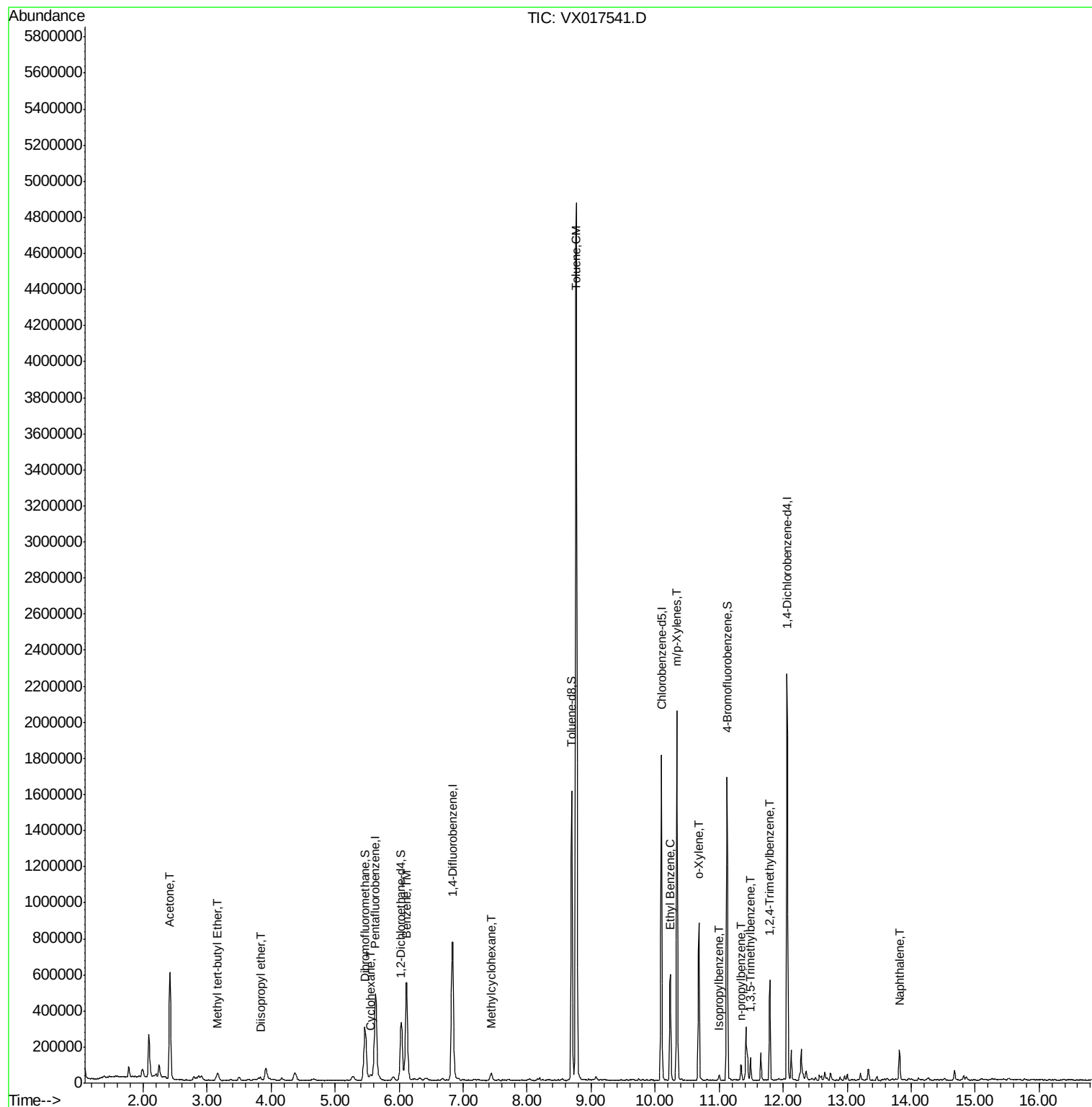
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.42	43	650368	248.422	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	34427	2.080	ug/l #	81
22) Diisopropyl ether	3.83	45	19202	1.202	ug/l #	90
31) Cyclohexane	5.54	56	20302	2.768	ug/l	90
39) Methylcyclohexane	7.44	83	16634	1.866	ug/l	95
40) Benzene	6.12	78	621341	28.378	ug/l	100
52) Toluene	8.77	92	1801706	128.309	ug/l	99
67) Ethyl Benzene	10.24	91	331417	11.600	ug/l	98
68) m/p-Xylenes	10.34	106	456119	41.209	ug/l	99
69) o-Xylene	10.68	106	184660	17.347	ug/l	99
73) Isopropylbenzene	11.00	105	14574	0.470	ug/l	93
78) n-propylbenzene	11.34	91	49142	1.404	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	53983	2.038	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	231175	8.773	ug/l	99
95) Naphthalene	13.82	128	102496	3.432	ug/l	99

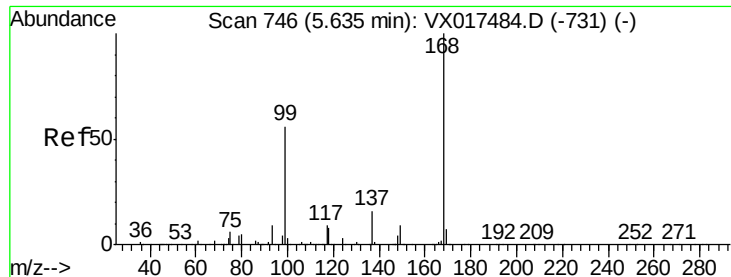
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017541.D

Acq: 24 Jul 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

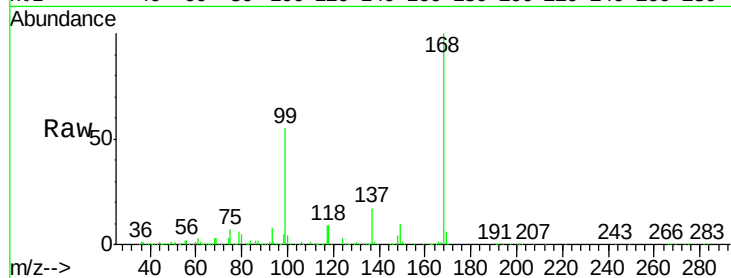
1754DL

Tgt Ion:168 Resp: 463057

Ion Ratio Lower Upper

168 100

99 55.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

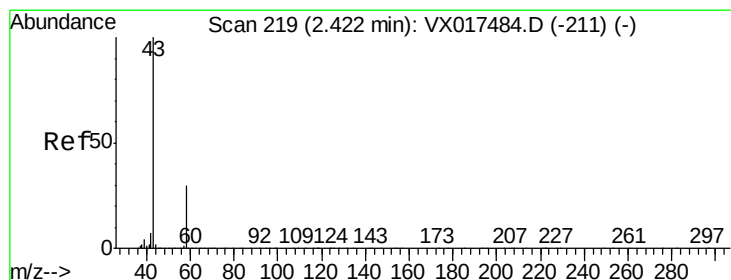
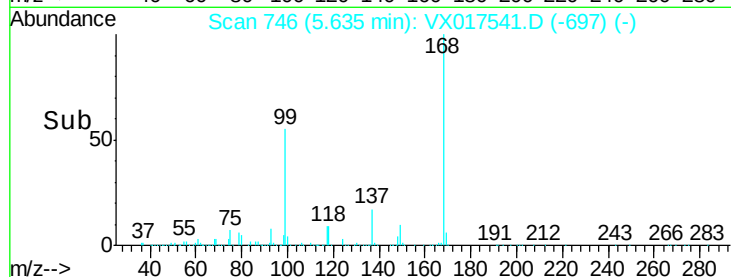
100000

50000

0

Time-->

5.50 5.60 5.70



#16

Acetone

Concen: 248.422 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017541.D

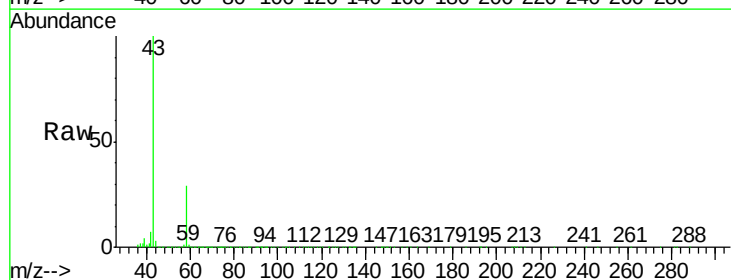
Acq: 24 Jul 2020 14:36

Tgt Ion: 43 Resp: 650368

Ion Ratio Lower Upper

43 100

58 28.5 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

400000

300000

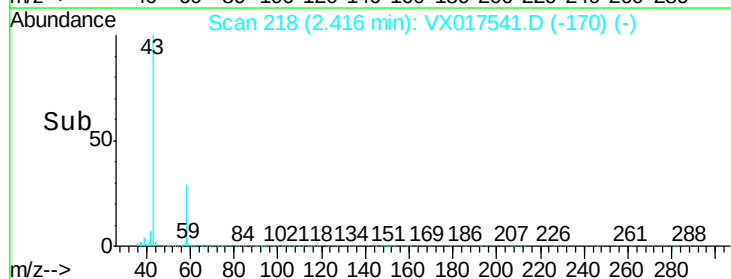
200000

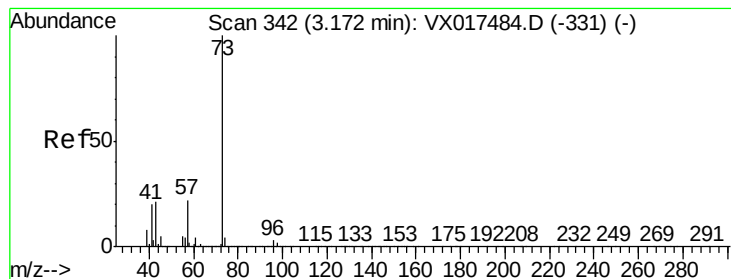
100000

0

Time-->

2.30 2.40 2.50





#19

Methyl tert-butyl Ether

Concen: 2.080 ug/l

RT: 3.17 min Scan# 342

Delta R.T. -0.00 min

Lab File: VX017541.D

Acq: 24 Jul 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

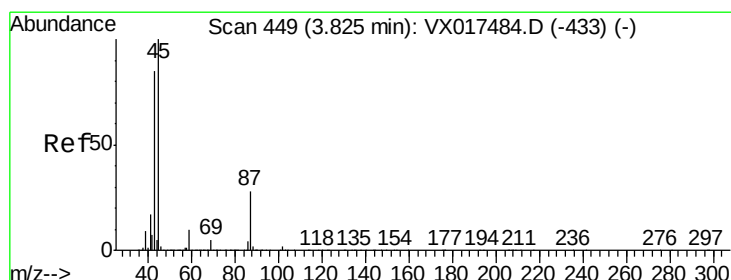
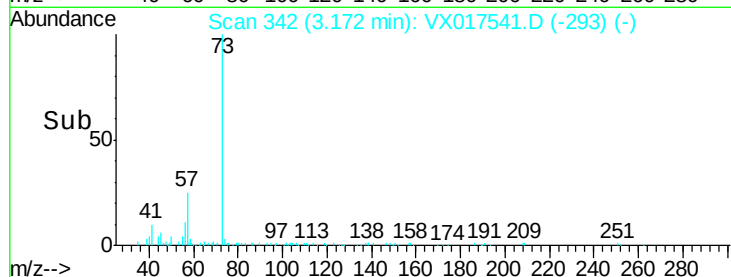
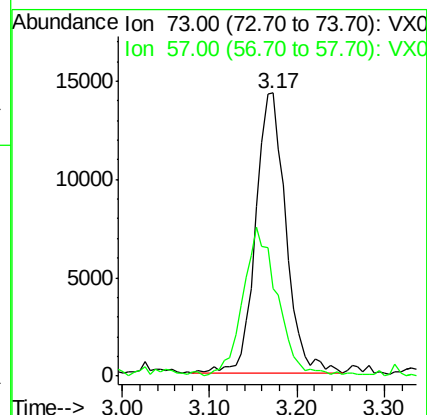
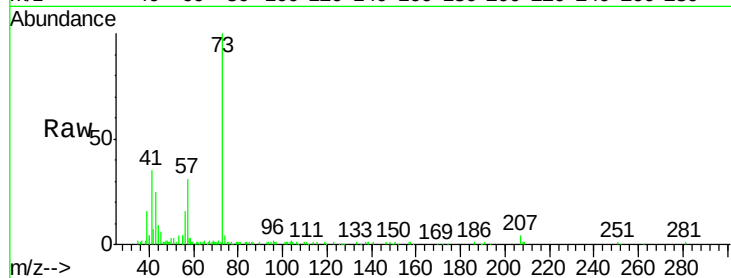
1754DL

Tgt Ion: 73 Resp: 34427

Ion Ratio Lower Upper

73 100

57 30.3 17.0 25.4#



#22

Diisopropyl ether

Concen: 1.202 ug/l

RT: 3.83 min Scan# 450

Delta R.T. 0.01 min

Lab File: VX017541.D

Acq: 24 Jul 2020 14:36

Tgt Ion: 45 Resp: 19202

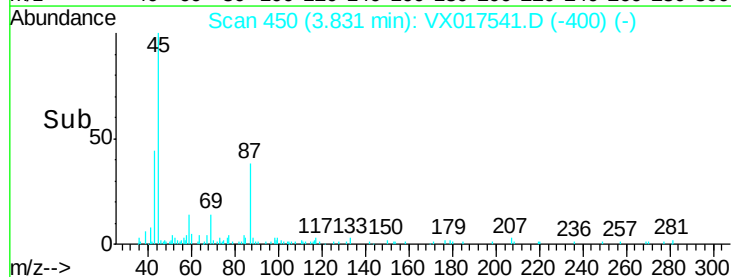
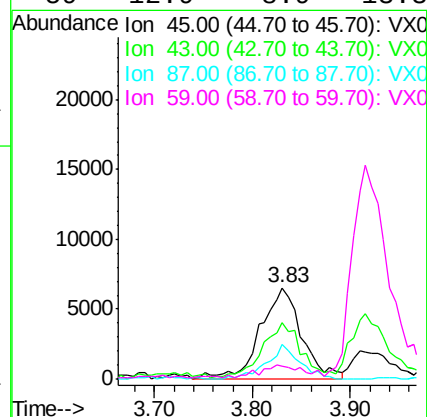
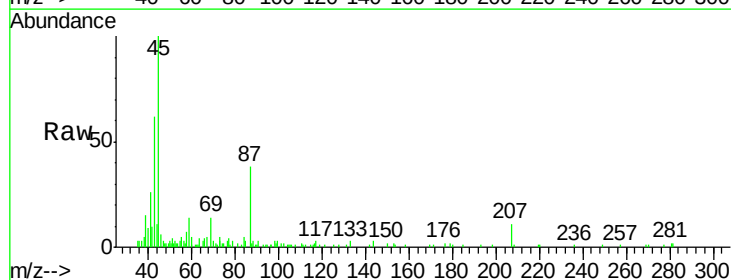
Ion Ratio Lower Upper

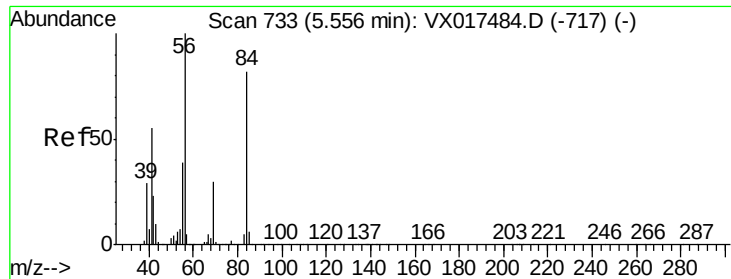
45 100

43 60.4 52.0 78.0

87 39.3 22.2 33.4#

59 12.9 8.9 13.3

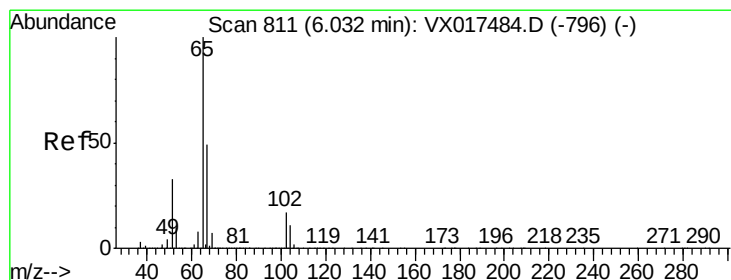
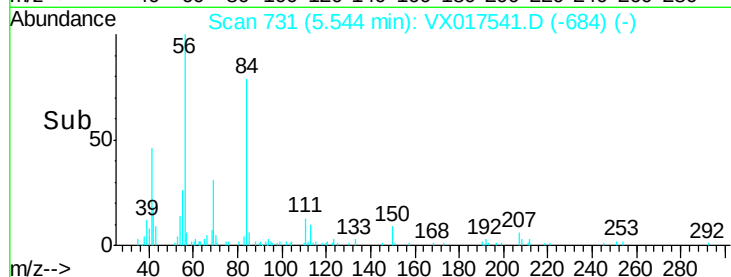
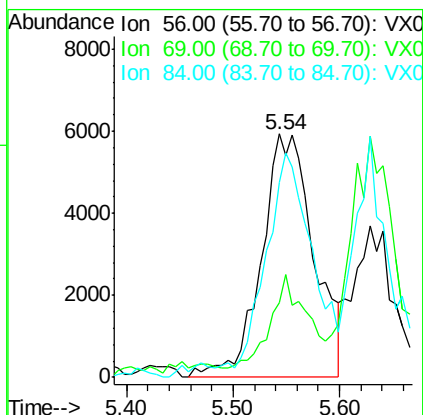
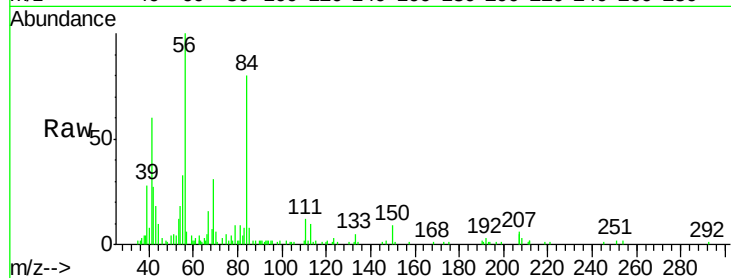




#31
Cyclohexane
Concen: 2.768 ug/l
RT: 5.54 min Scan# 731
Delta R.T. -0.01 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

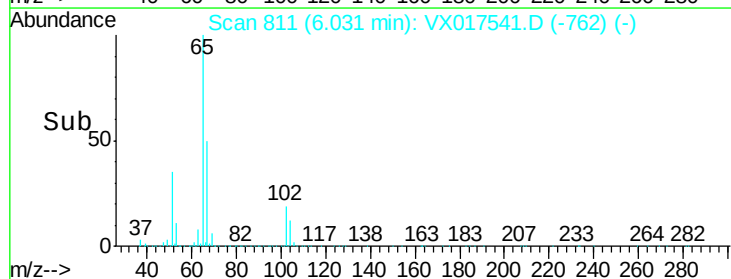
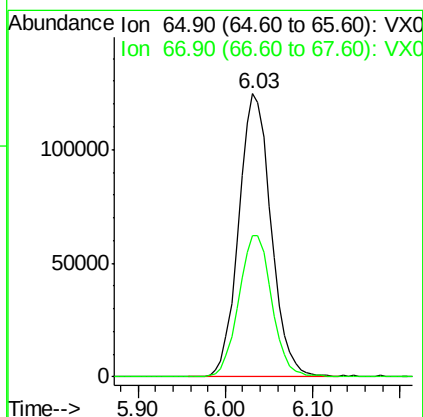
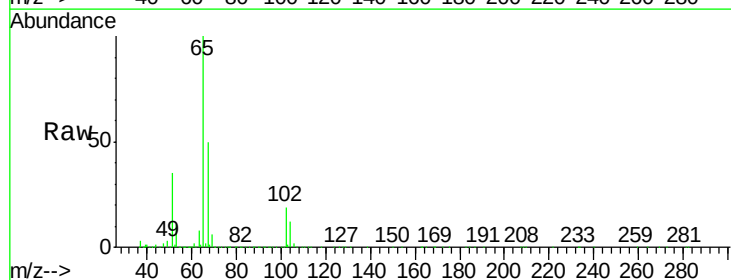
Instrument :
MSVOA_X
ClientSampleId :
1754DL

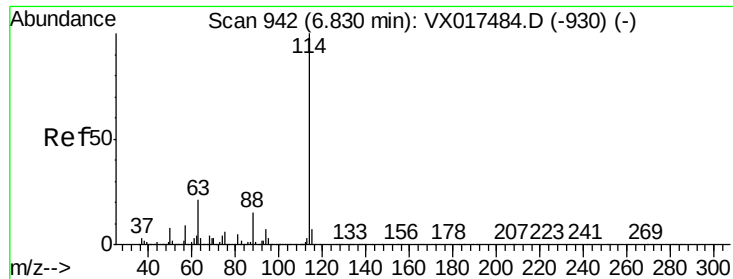
Tgt Ion: 56 Resp: 20302
Ion Ratio Lower Upper
56 100
69 24.2 24.2 36.4
84 77.6 69.0 103.6



#33
1,2-Dichloroethane-d4
Concen: 53.794 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

Tgt Ion: 65 Resp: 319973
Ion Ratio Lower Upper
65 100
67 50.9 0.0 102.8

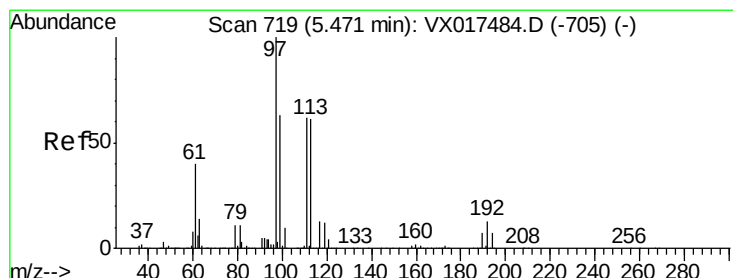
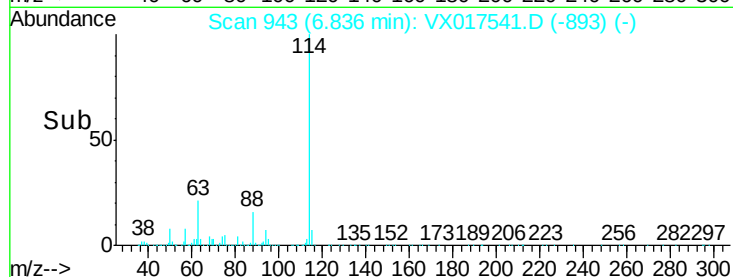
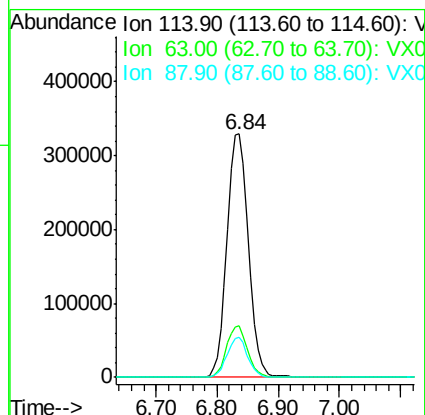
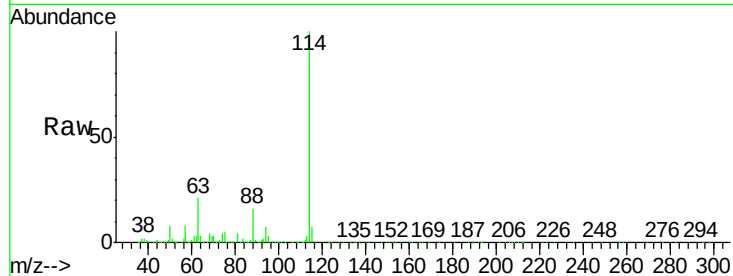




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017541.D
 Acq: 24 Jul 2020 14:36

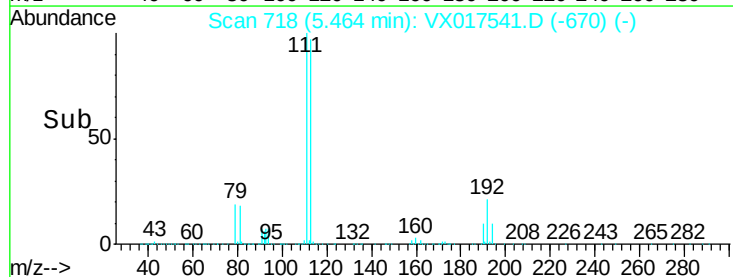
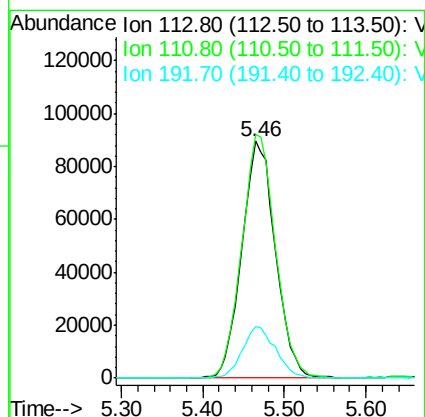
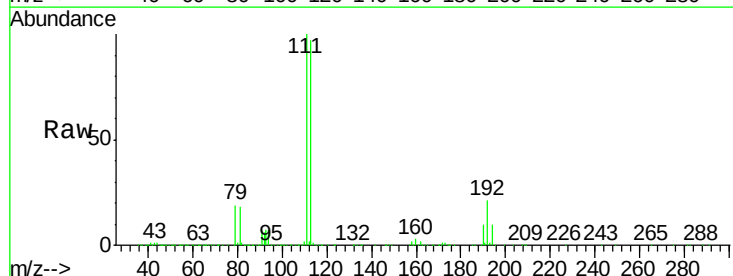
Instrument :
 MSVOA_X
 ClientSampleId :
 1754DL

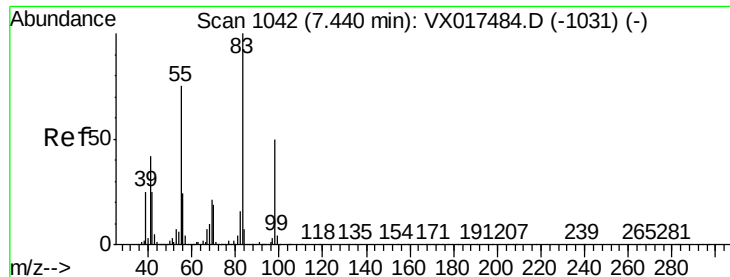
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.6
88	16.3	0.0	33.4



#35
 Dibromofluoromethane
 Concen: 48.066 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017541.D
 Acq: 24 Jul 2020 14:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.5	80.7	121.1
192	21.4	16.9	25.3

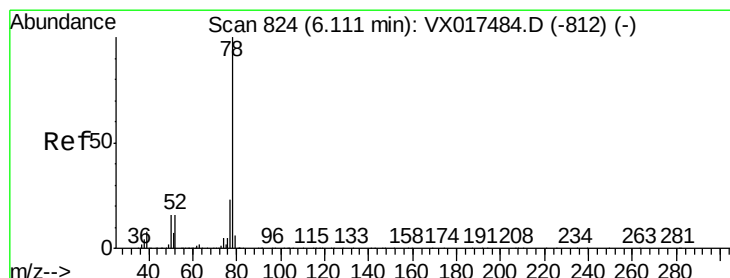
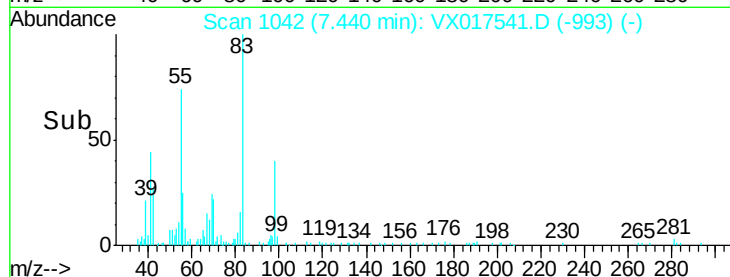
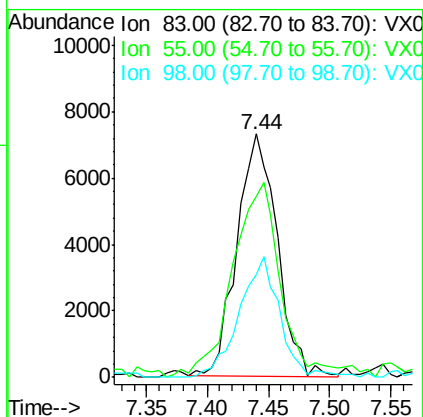
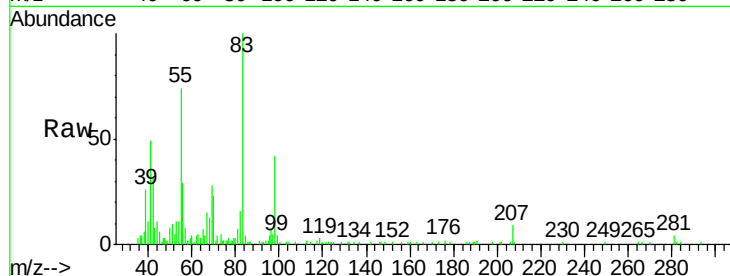




#39
Methylcyclohexane
Concen: 1.866 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

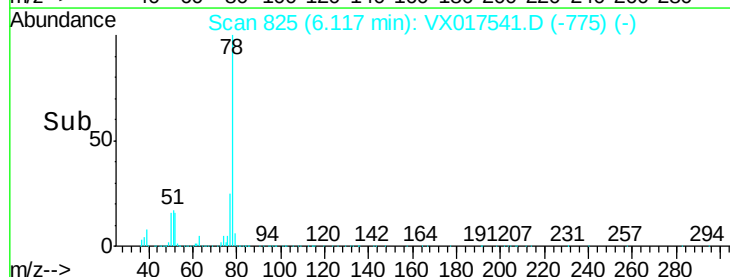
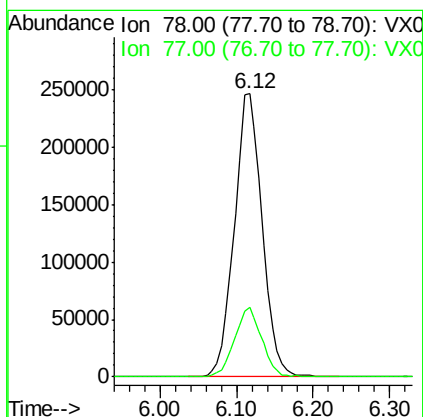
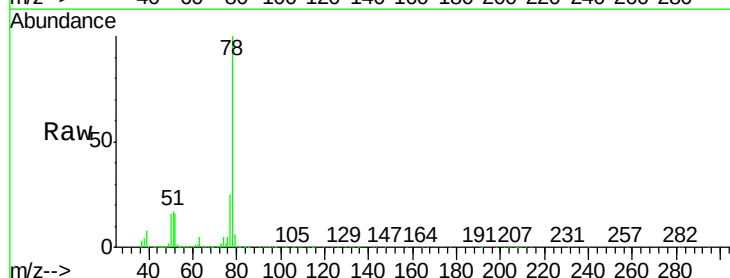
Instrument :
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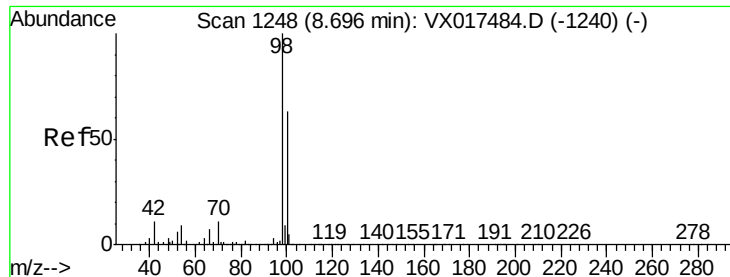
Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.8	92.8
98	42.3	36.9	55.3



#40
Benzene
Concen: 28.378 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.4	29.2

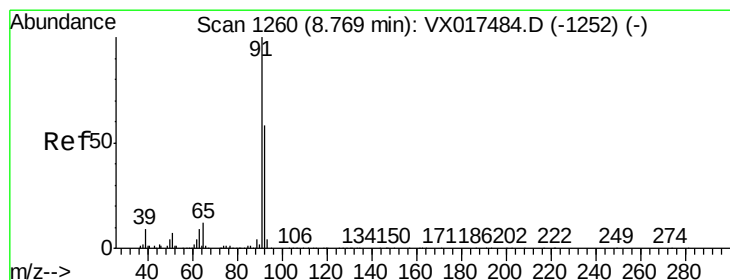
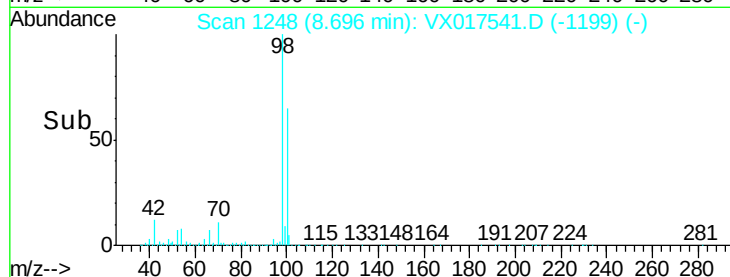
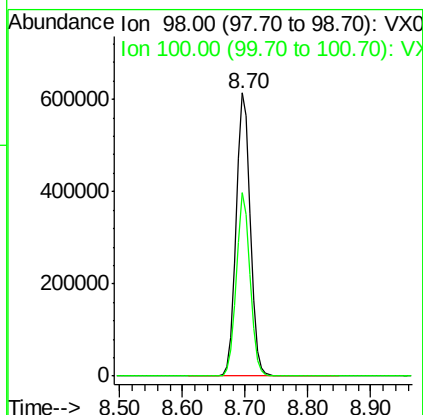
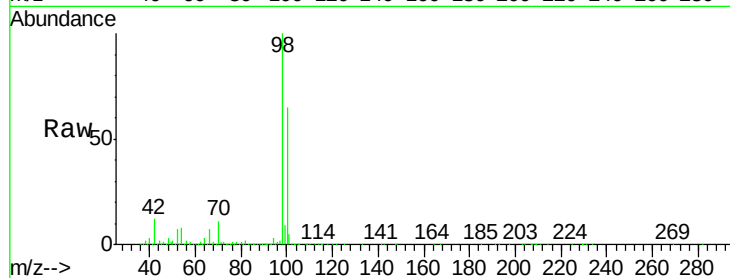




#50
Toluene-d8
Concen: 49.808 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

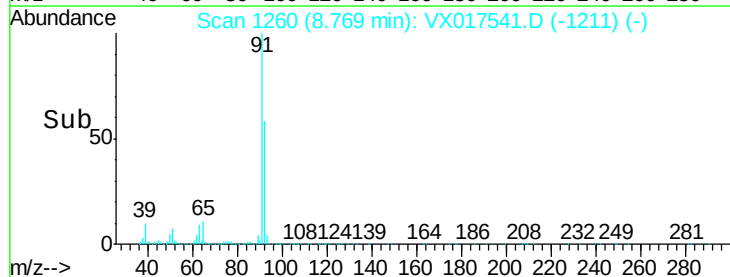
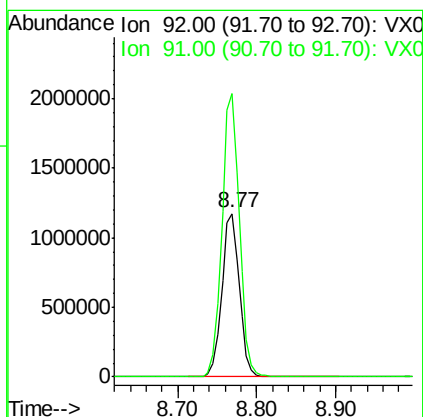
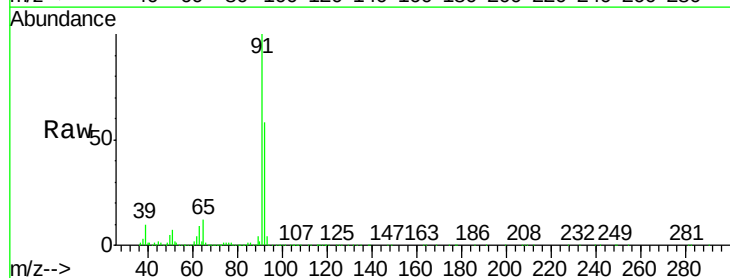
Instrument :
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ClientSampleId :
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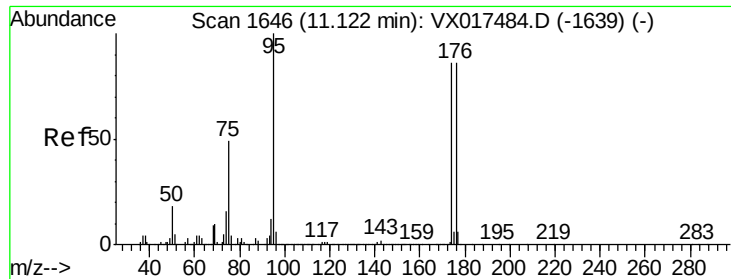
Tgt Ion: 98 Resp: 956924
Ion Ratio Lower Upper
98 100
100 63.2 52.3 78.5



#52
Toluene
Concen: 128.309 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

Tgt Ion: 92 Resp: 1801706
Ion Ratio Lower Upper
92 100
91 173.0 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 54.305 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017541.D

Acq: 24 Jul 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

1754DL

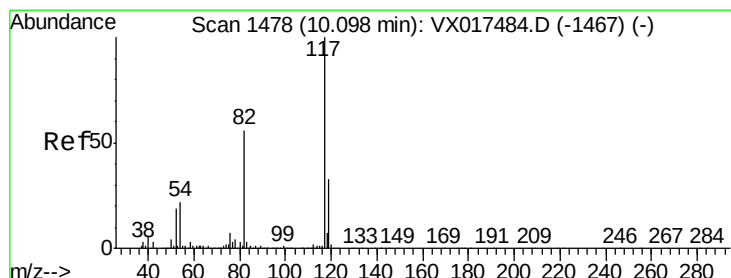
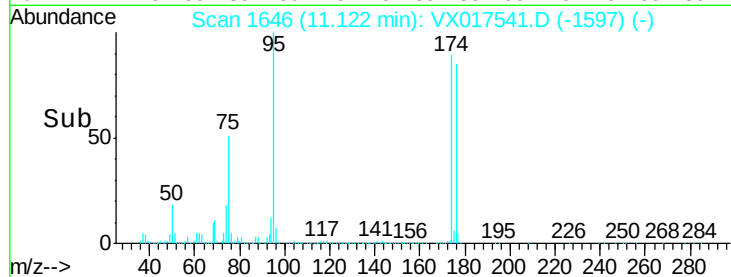
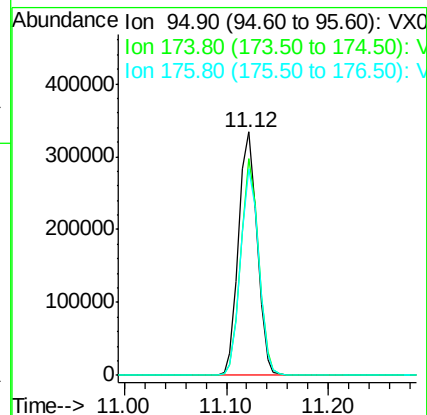
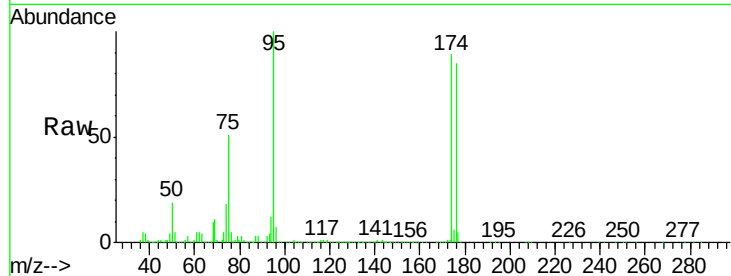
Tgt Ion: 95 Resp: 417538

Ion Ratio Lower Upper

95 100

174 85.5 0.0 169.0

176 83.1 0.0 161.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017541.D

Acq: 24 Jul 2020 14:36

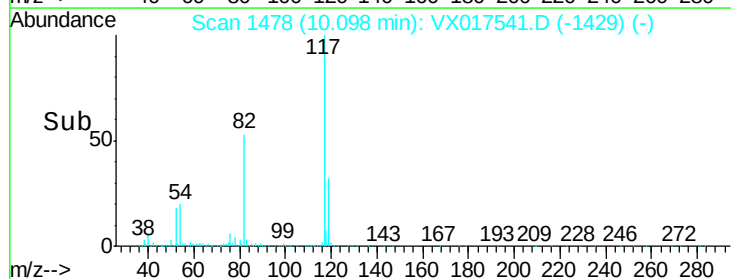
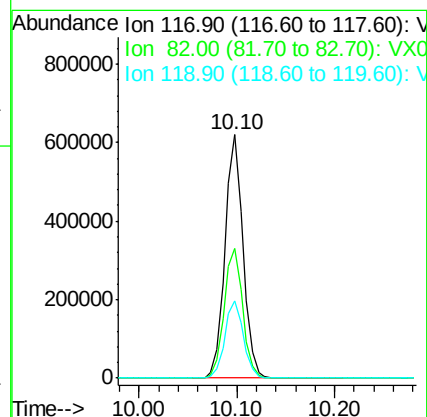
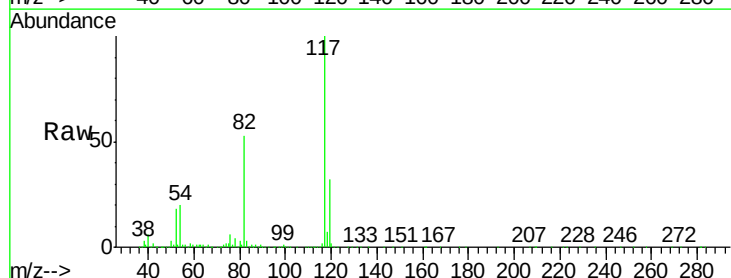
Tgt Ion: 117 Resp: 790755

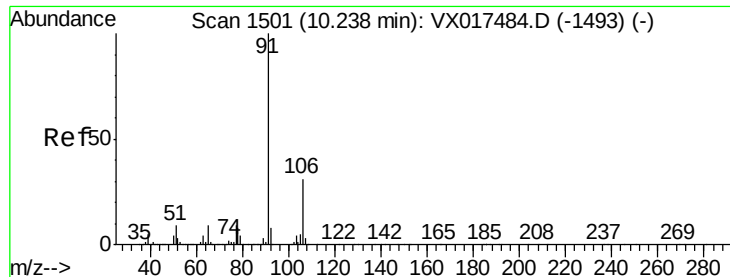
Ion Ratio Lower Upper

117 100

82 53.4 44.0 66.0

119 31.5 25.4 38.0

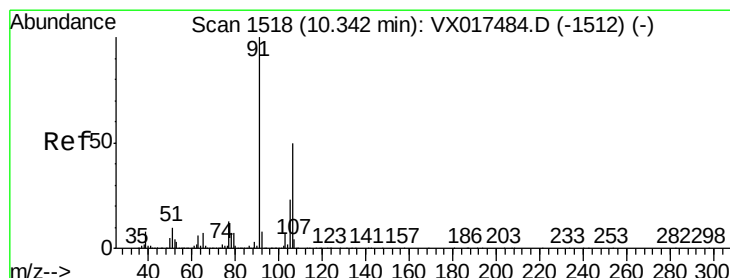
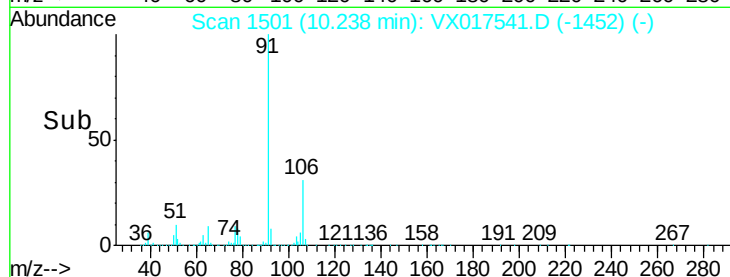
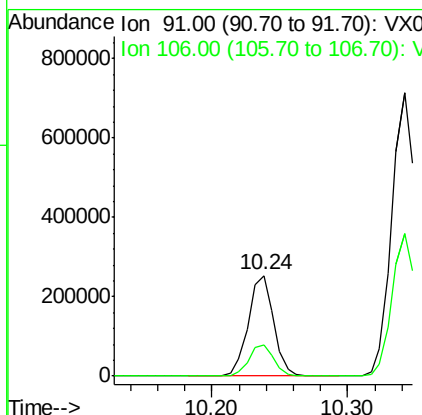
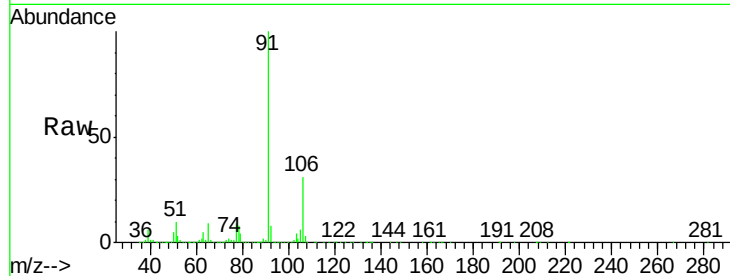




#67
Ethyl Benzene
Concen: 11.600 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

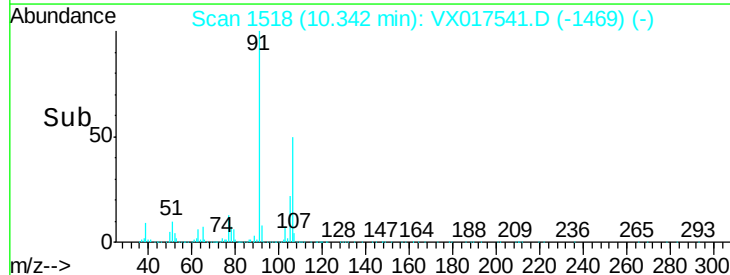
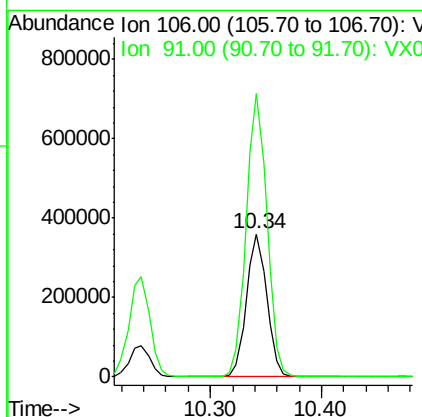
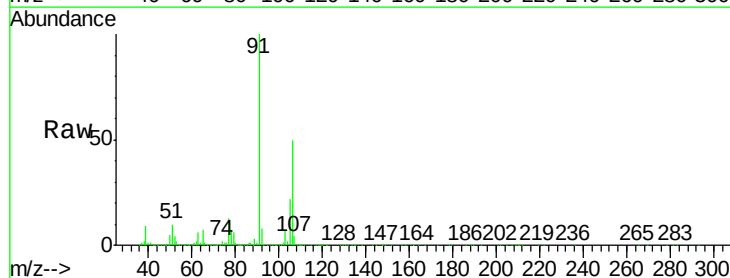
Instrument :
MSVOA_X
ClientSampled :
1754DL

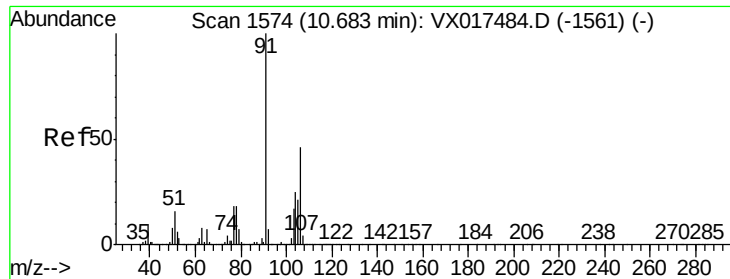
Tgt Ion: 91 Resp: 331417
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.6



#68
m/p-Xylenes
Concen: 41.209 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

Tgt Ion: 106 Resp: 456119
Ion Ratio Lower Upper
106 100
91 202.2 160.9 241.3

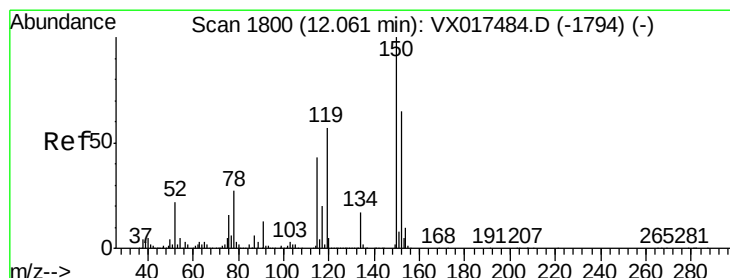
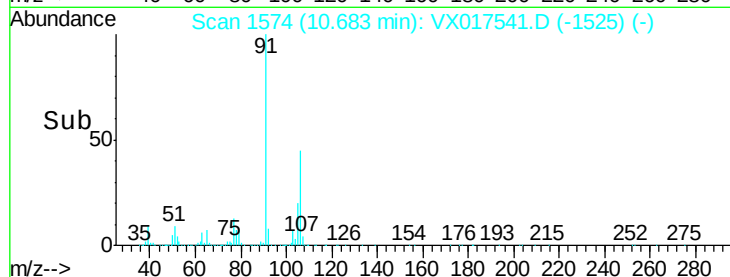
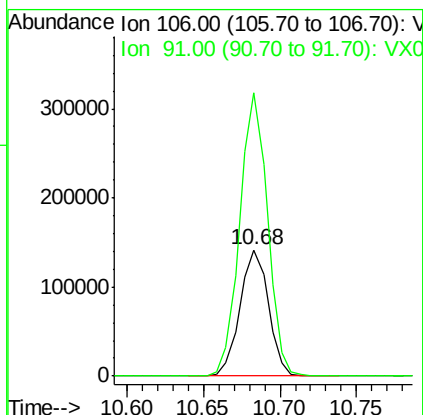
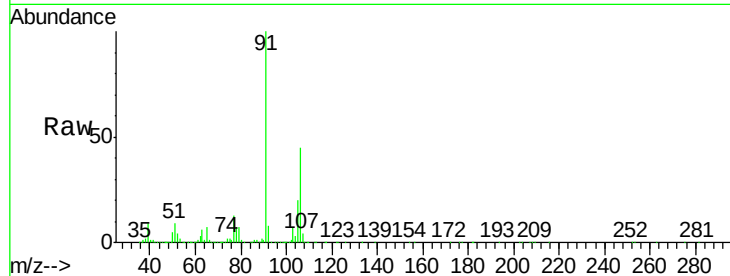




#69
o-Xylene
Concen: 17.347 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

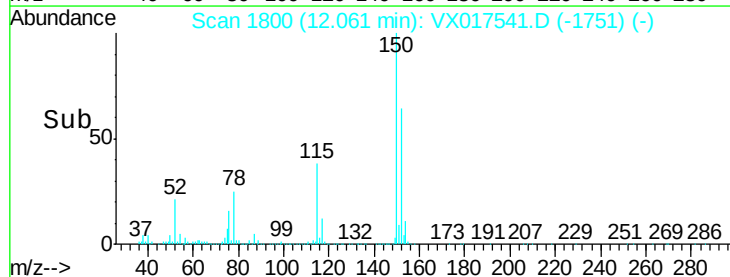
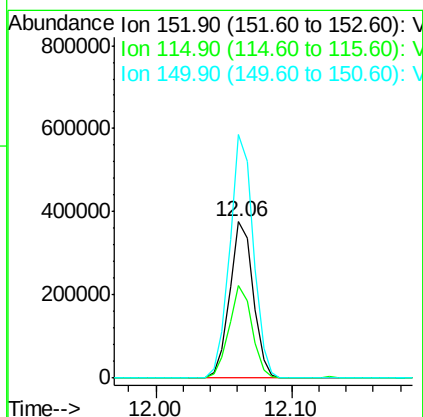
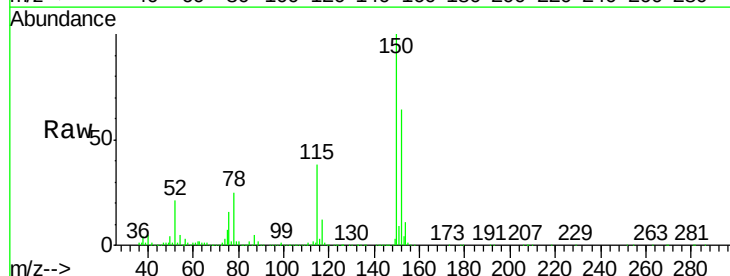
Instrument :
MSVOA_X
ClientSampleId :
1754DL

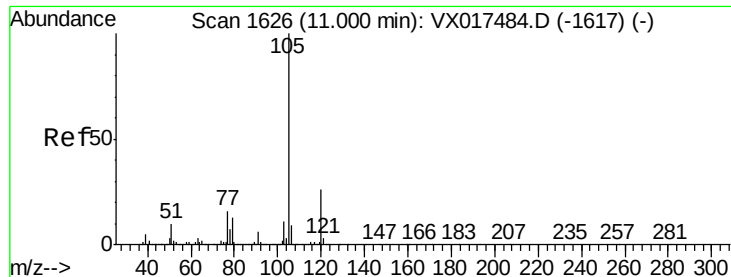
Tgt Ion:106 Resp: 184660
Ion Ratio Lower Upper
106 100
91 217.5 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017541.D
Acq: 24 Jul 2020 14:36

Tgt Ion:152 Resp: 452297
Ion Ratio Lower Upper
152 100
115 57.8 65.5 196.6#
150 155.9 0.0 412.6





#73

Isopropylbenzene

Concen: 0.470 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017541.D

Acq: 24 Jul 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

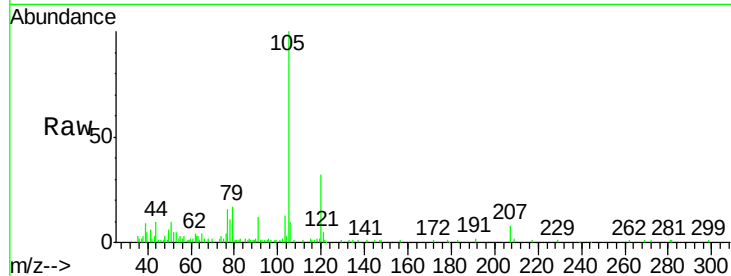
1754DL

Tgt Ion:105 Resp: 14574

Ion Ratio Lower Upper

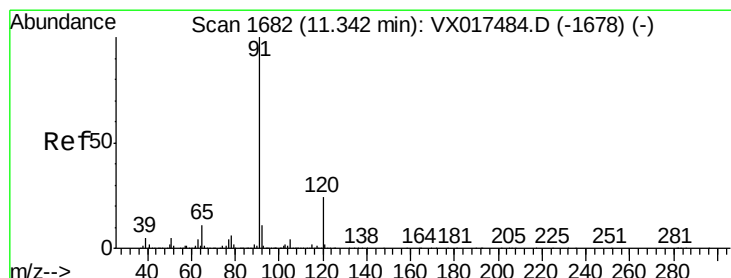
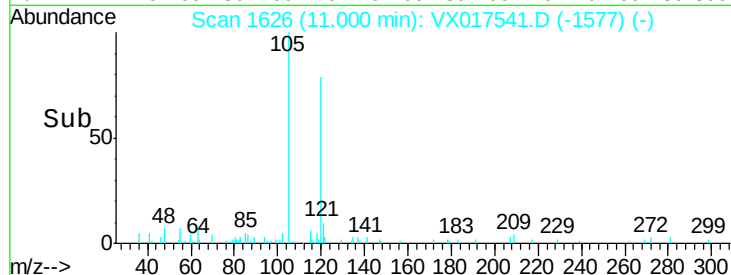
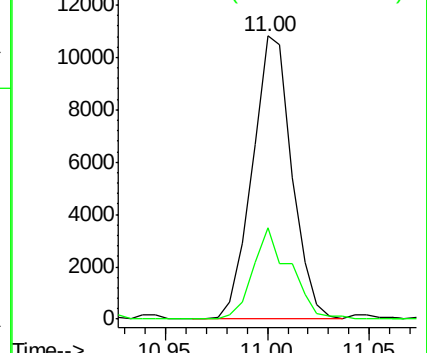
105 100

120 30.3 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.404 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017541.D

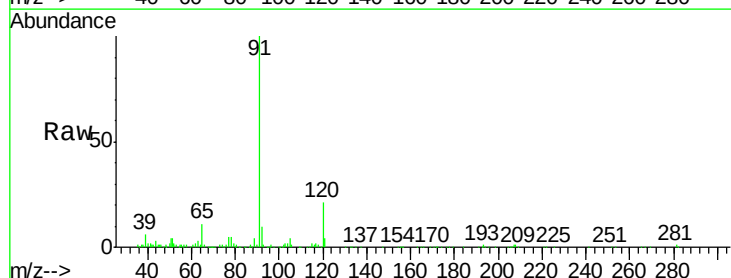
Acq: 24 Jul 2020 14:36

Tgt Ion: 91 Resp: 49142

Ion Ratio Lower Upper

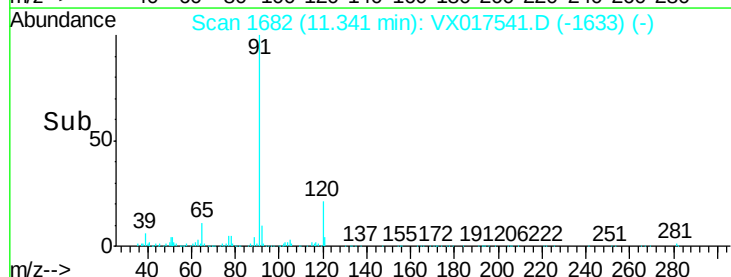
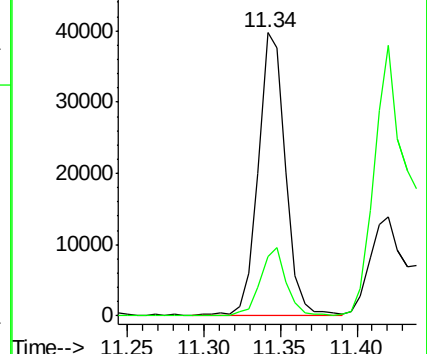
91 100

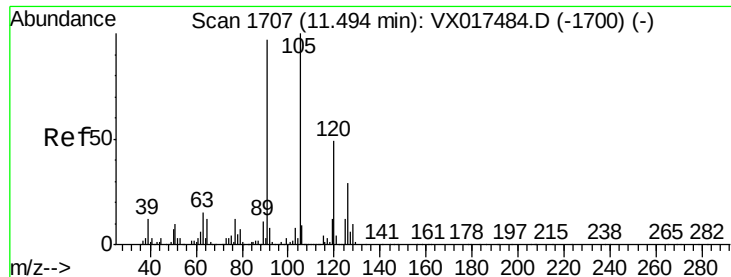
120 23.1 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 2.038 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017541.D

Acq: 24 Jul 2020 14:36

Instrument :

MSVOA_X

ClientSampleId :

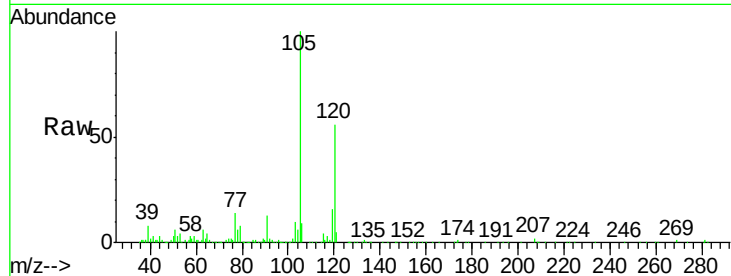
1754DL

Tgt Ion:105 Resp: 53983

Ion Ratio Lower Upper

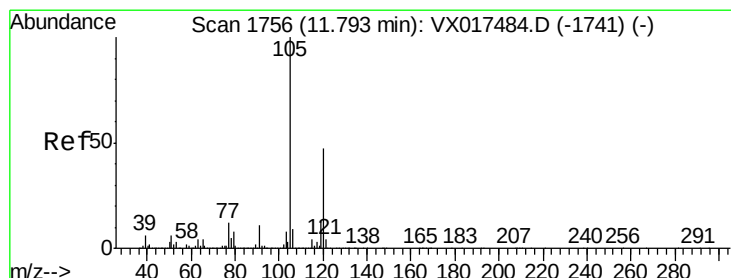
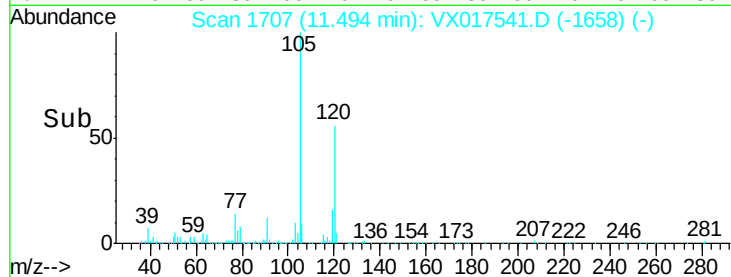
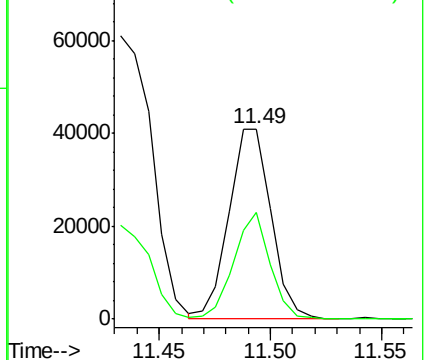
105 100

120 48.9 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.773 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017541.D

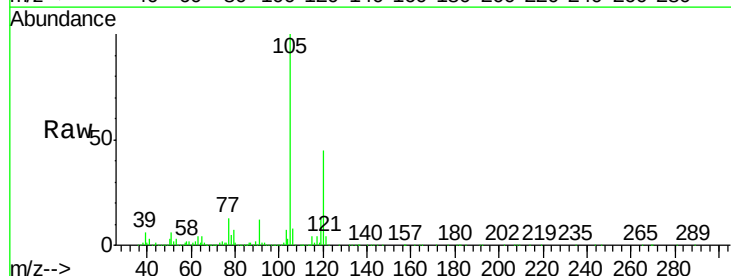
Acq: 24 Jul 2020 14:36

Tgt Ion:105 Resp: 231175

Ion Ratio Lower Upper

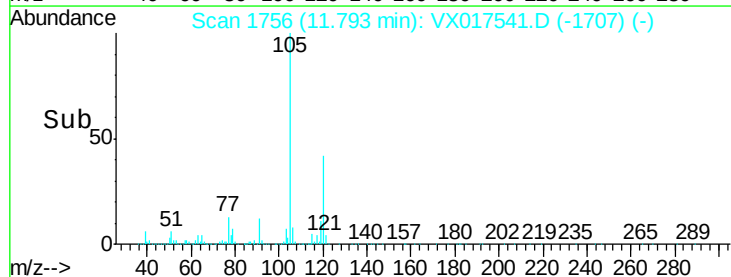
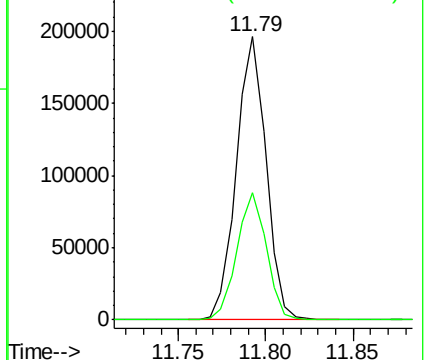
105 100

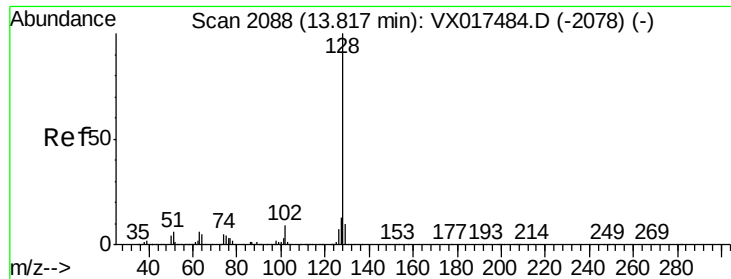
120 44.7 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

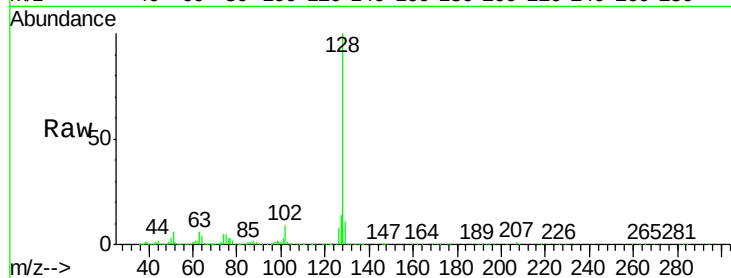




#95
 Naphthalene
 Concen: 3.432 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX017541.D
 Acq: 24 Jul 2020 14:36

Instrument :
 MSVOA_X
 ClientSampleId :
 1754DL

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.6	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

