

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022020\
 Data File : VX014975.D
 Acq On : 20 Feb 2020 13:22
 Operator : JC/SP
 Sample : L1583-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40708

Quant Time: Feb 21 01:03:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X021020W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 10 12:09:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	441216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	691054	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	677304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	373917	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	249117	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
35) Dibromofluoromethane	5.49	113	207267	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	8.71	98	844495	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.13	95	336246	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	

Target Compounds

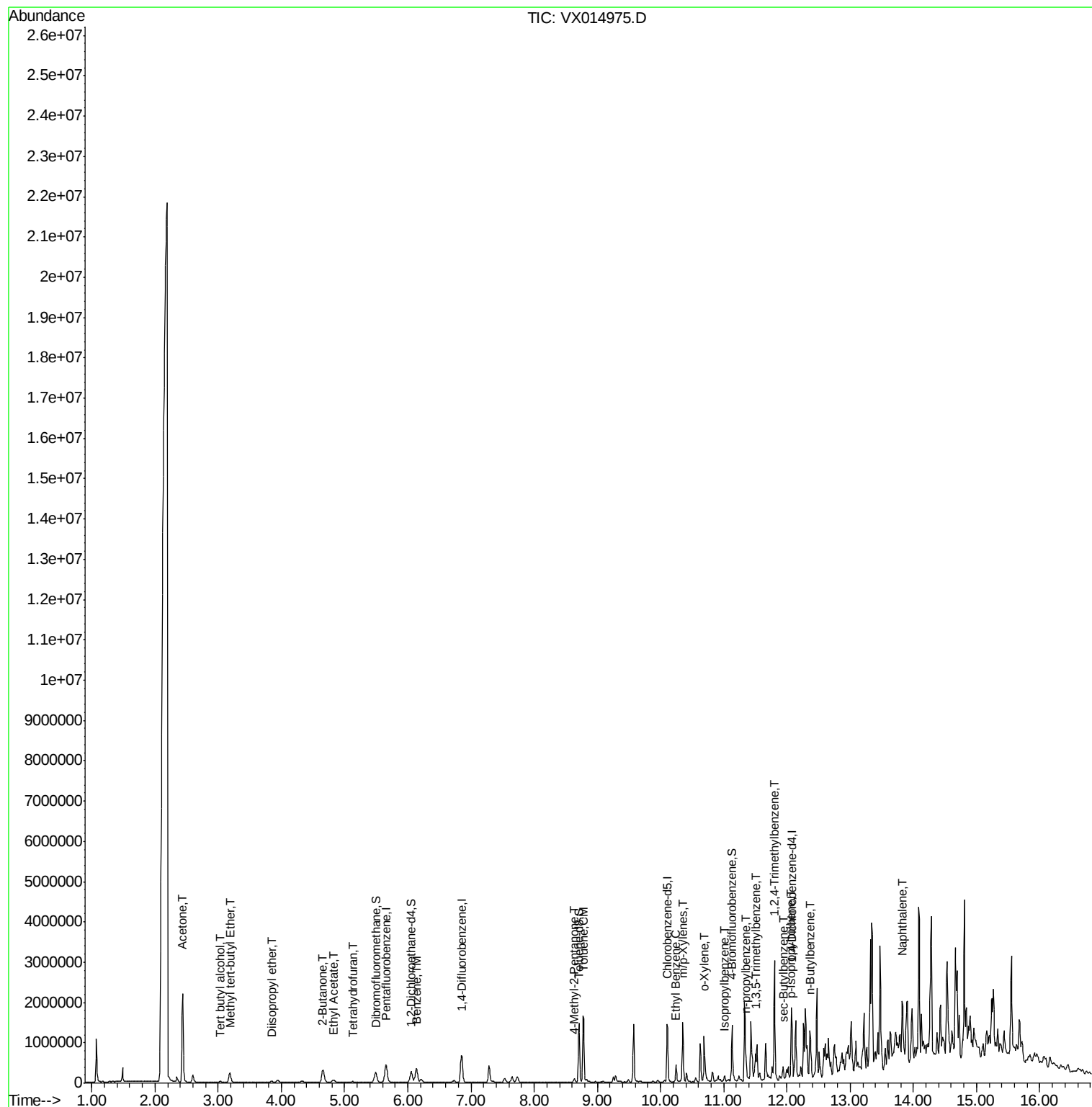
						Qvalue
11) Tert butyl alcohol	3.03	59	21391	24.330	ug/l #	91
16) Acetone	2.44	43	2200483	848.838	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	258284	19.624	ug/l	99
22) Diisopropyl ether	3.84	45	25295	1.847	ug/l #	83
25) 2-Butanone	4.65	43	538374	158.812	ug/l	99
29) Tetrahydrofuran	5.12	42	5901	3.062	ug/l #	66
37) Ethyl Acetate	4.82	43	106863	16.575	ug/l	98
40) Benzene	6.14	78	411909	22.302	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	48134	7.495	ug/l	98
52) Toluene	8.78	92	574685	48.989	ug/l	100
67) Ethyl Benzene	10.25	91	236997	10.144	ug/l	98
68) m/p-Xylenes	10.36	106	358963	39.883	ug/l	100
69) o-Xylene	10.70	106	251701	29.093	ug/l	99
73) Isopropylbenzene	11.01	105	65708	2.802	ug/l	100
78) n-propylbenzene	11.35	91	216843	7.995	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	261436	13.344	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	1239019	62.751	ug/l	98
85) sec-Butylbenzene	11.94	105	78238	3.394	ug/l	90
86) p-Isopropyltoluene	12.06	119	51589	2.392	ug/l	97
89) n-Butylbenzene	12.38	91	183333	9.491	ug/l #	42
95) Naphthalene	13.83	128	867856	38.406	ug/l	99

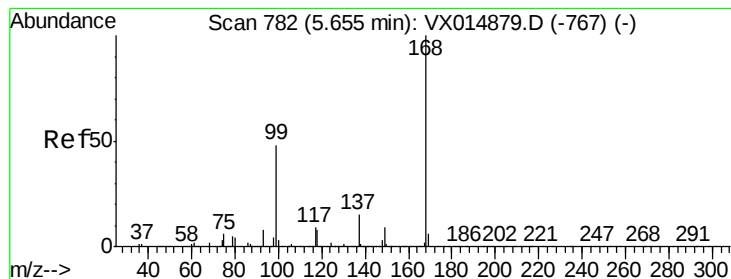
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 10 12:09:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

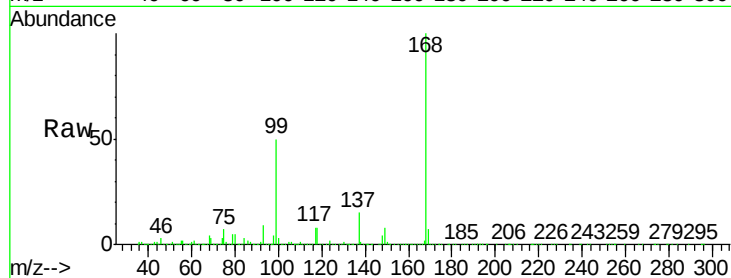
40708

Tot Ion:168 Resp: 441216

Ion Ratio Lower Upper

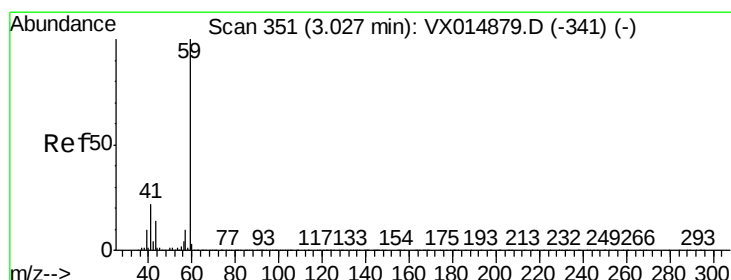
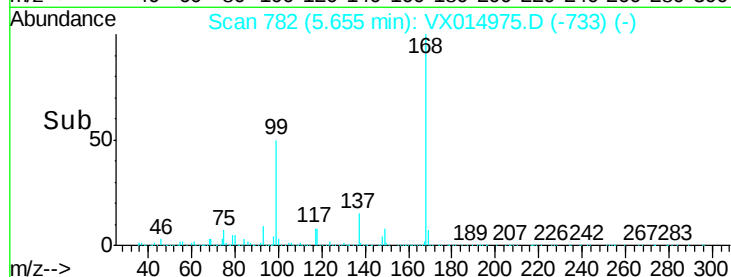
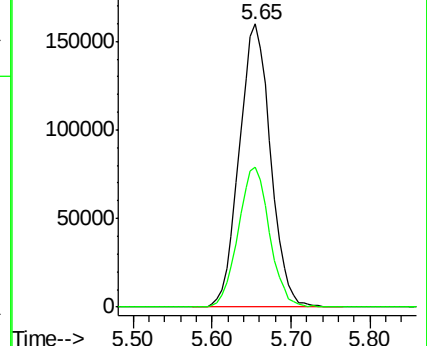
168 100

99 49.5 38.7 58.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 24.330 ug/l

RT: 3.03 min Scan# 352

Delta R.T. 0.01 min

Lab File: VX014975.D

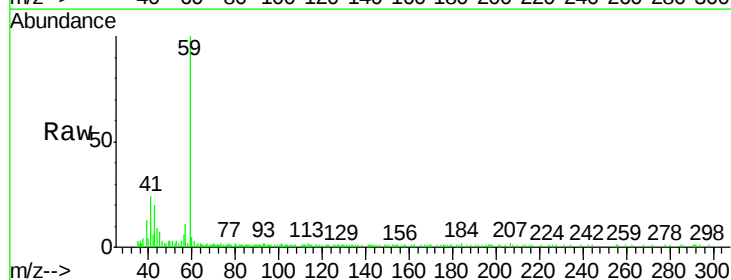
Acq: 20 Feb 2020 13:22

Tgt Ion: 59 Resp: 21391

Ion Ratio Lower Upper

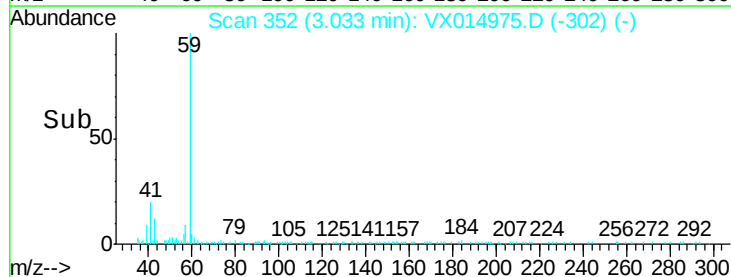
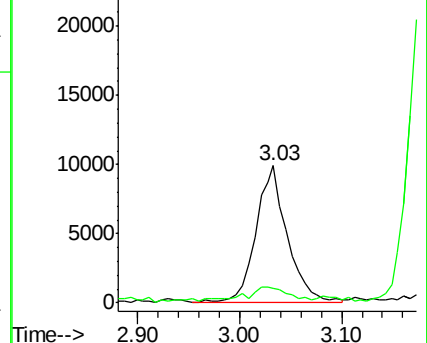
59 100

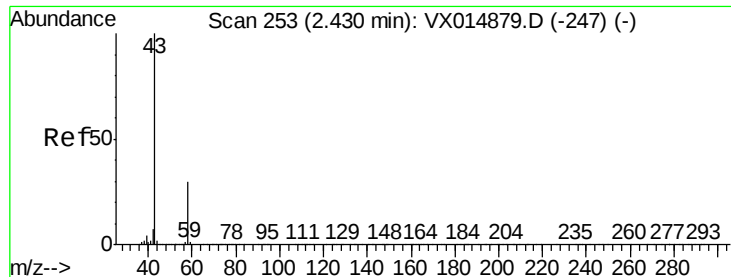
57 13.6 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

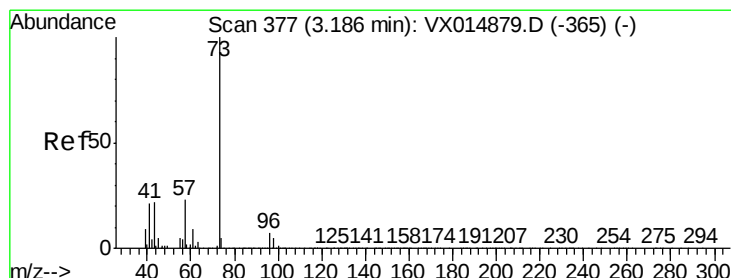
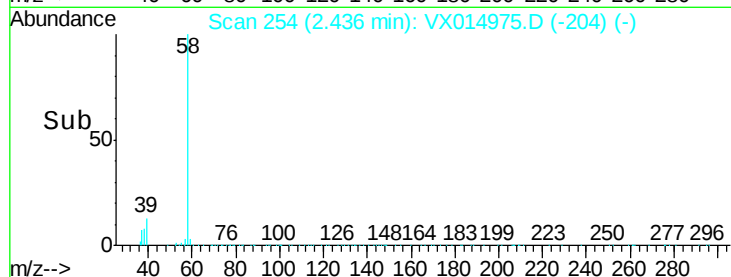
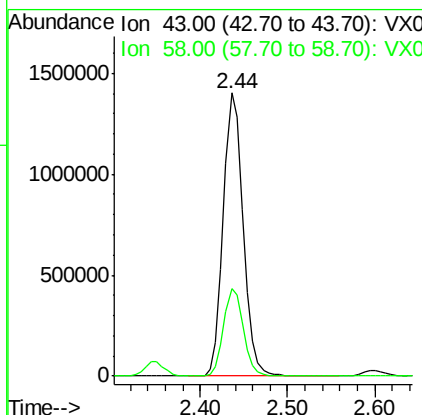
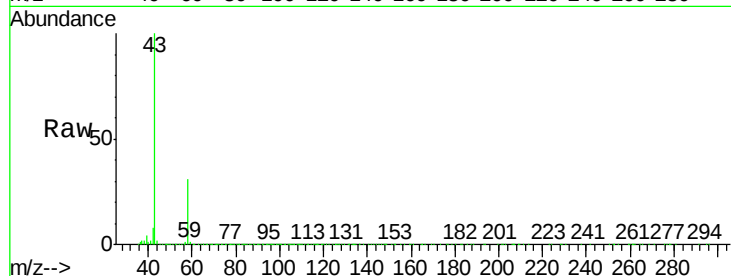




#16
Acetone
Concen: 848.838 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

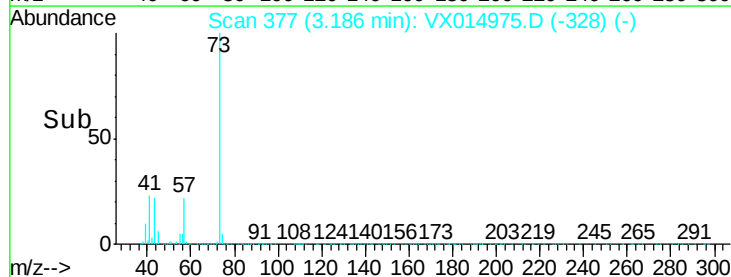
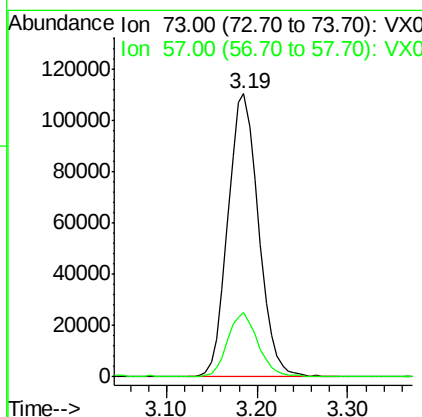
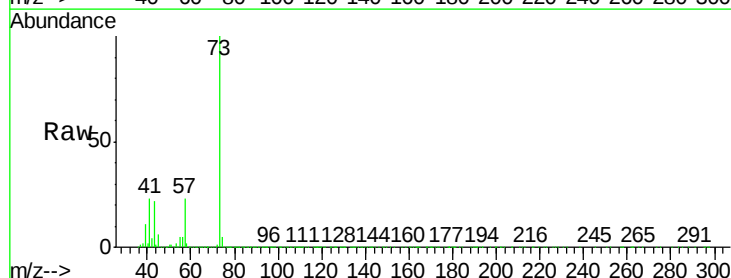
Instrument :
MSVOA_X
ClientSampleId :
40708

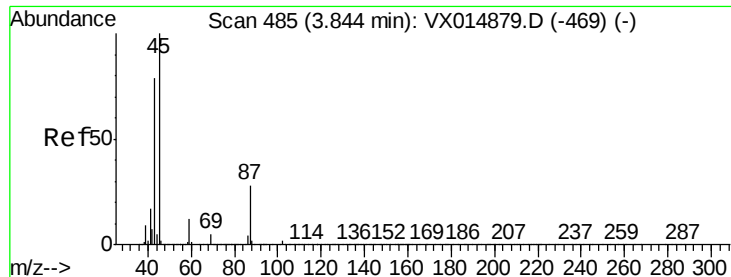
Tot Ion: 43 Resp: 2200483
Ion Ratio Lower Upper
43 100
58 30.8 24.1 36.1



#19
Methyl tert-butyl Ether
Concen: 19.624 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 73 Resp: 258284
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4





#22

Diisopropyl ether

Concen: 1.847 ug/l

RT: 3.84 min Scan# 485

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

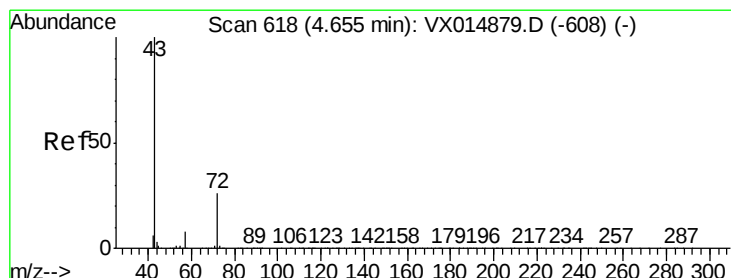
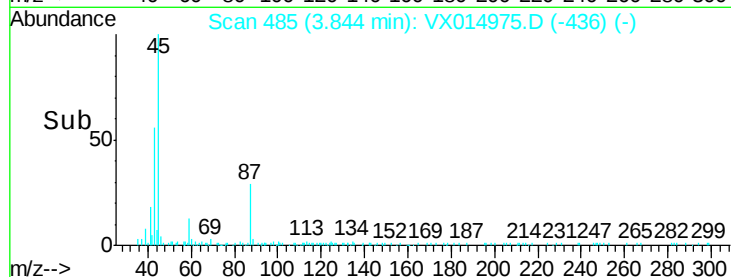
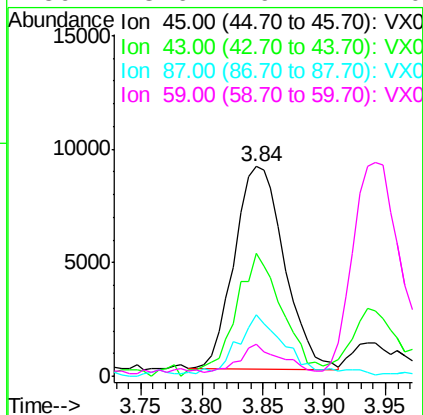
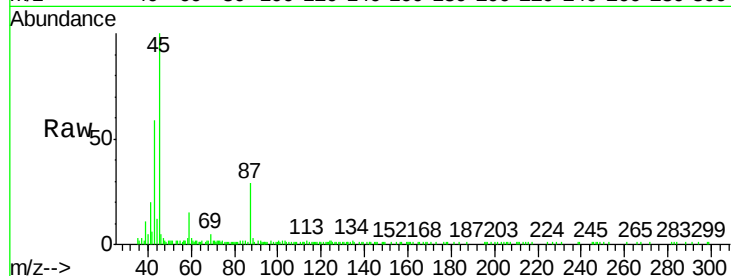
Instrument :

MSVOA_X

ClientSampled :

40708

Tot Ion:	45	Resp:	25295
Ion	Ratio	Lower	Upper
45	100		
43	57.7	63.5	95.3#
87	28.6	22.2	33.4
59	13.6	9.4	14.0



#25

2-Butanone

Concen: 158.812 ug/l

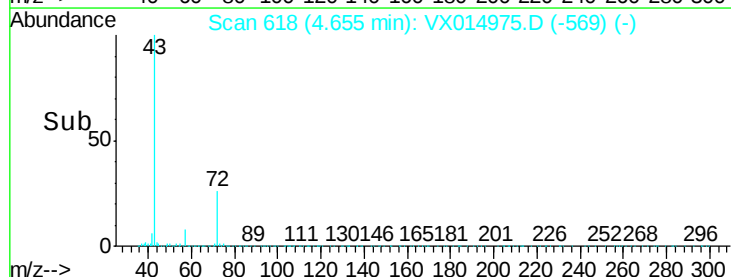
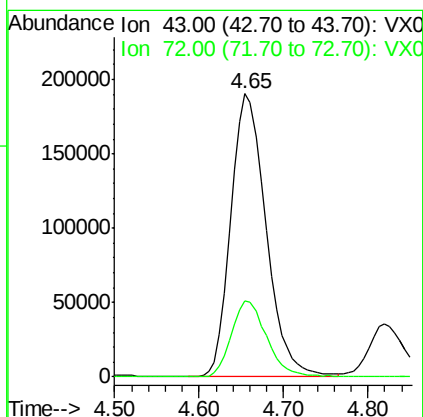
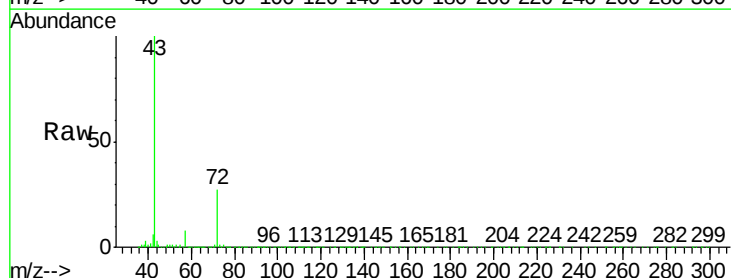
RT: 4.65 min Scan# 618

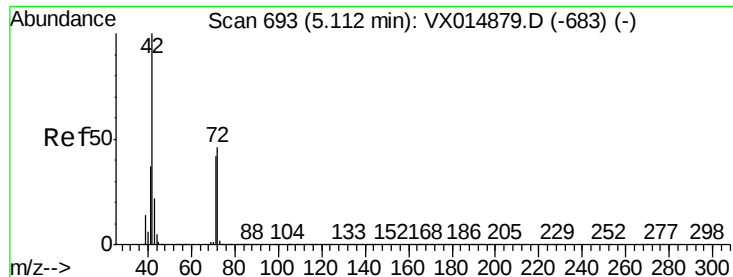
Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Tgt Ion:	43	Resp:	538374
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.0	31.6

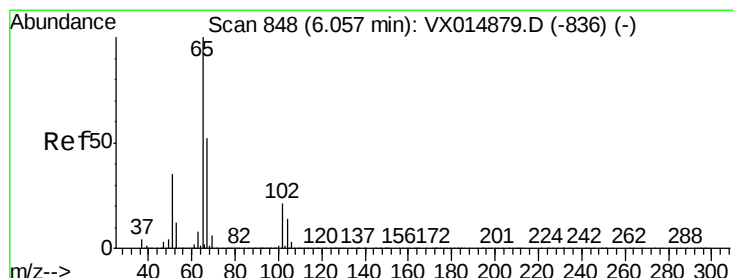
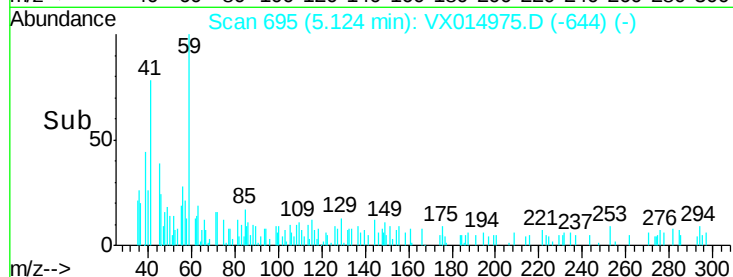
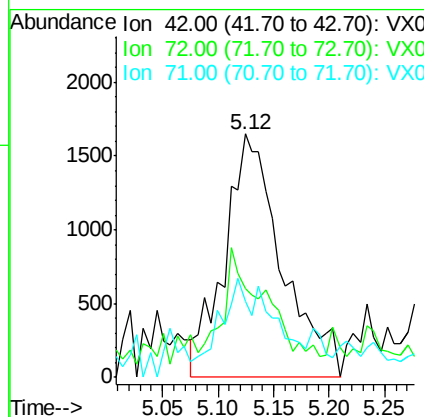
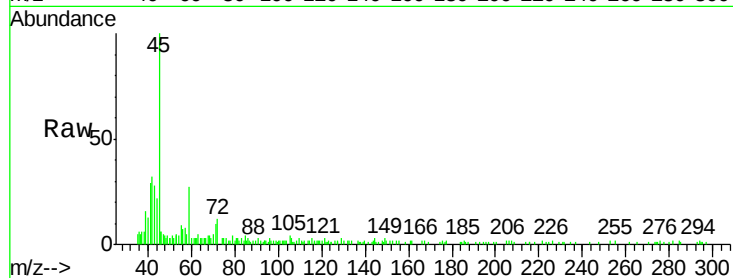




#29
Tetrahydrofuran
Concen: 3.062 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

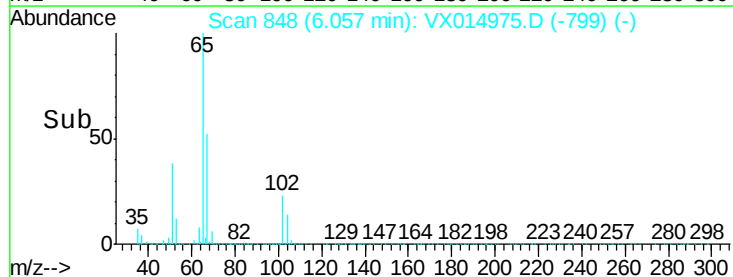
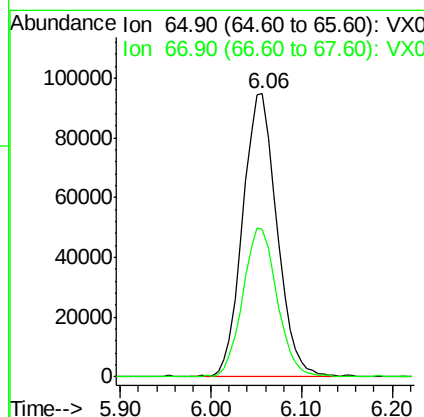
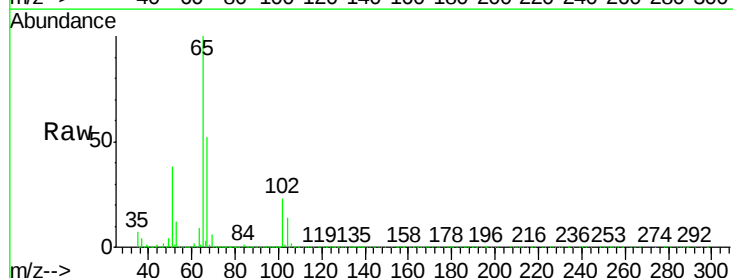
Instrument :
MSVOA_X
ClientSampleId :
40708

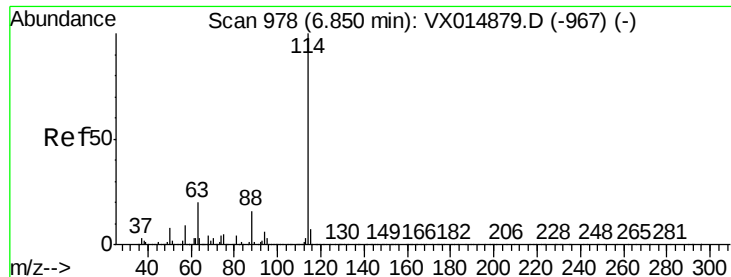
Tot Ion: 42 Resp: 5901
Ion Ratio Lower Upper
42 100
72 30.6 36.9 55.3#
71 13.6 34.1 51.1#



#33
1,2-Dichloroethane-d4
Concen: 50.029 ug/l
RT: 6.06 min Scan# 848
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion: 65 Resp: 249117
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

40708

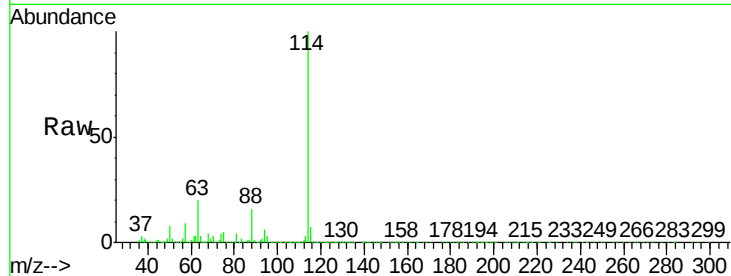
Tot Ion:114 Resp: 691054

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

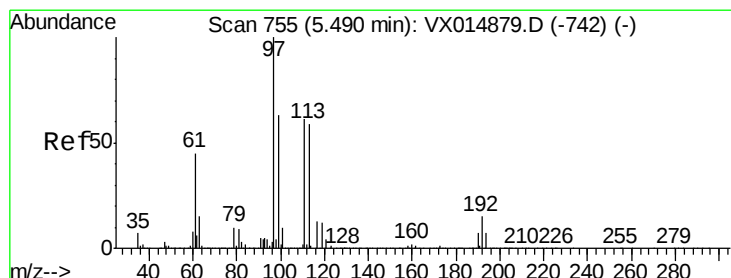
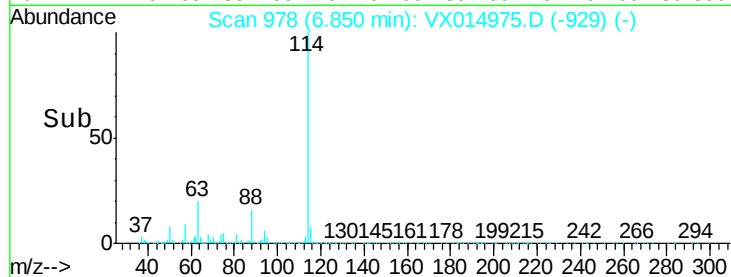
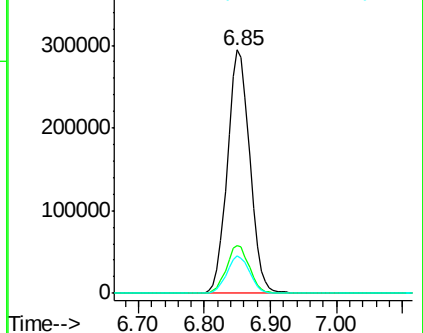
88 15.5 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.787 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

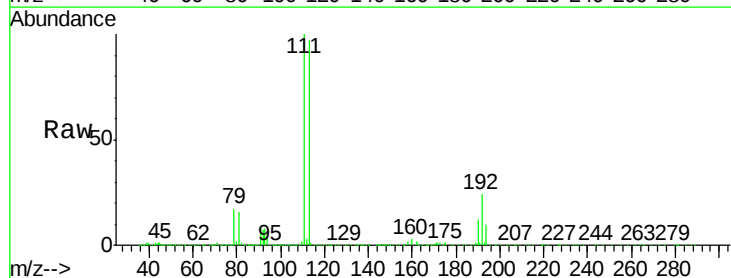
Tgt Ion:113 Resp: 207267

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

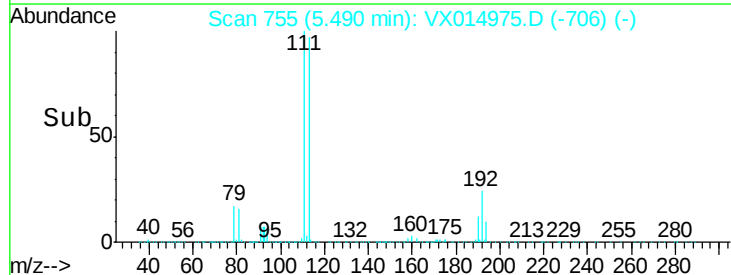
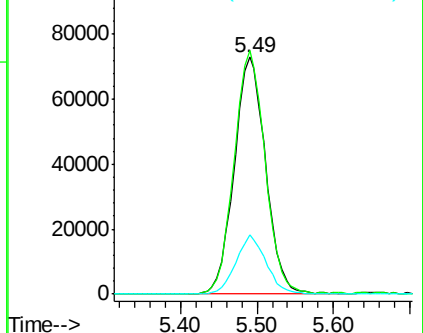
192 24.0 19.1 28.7

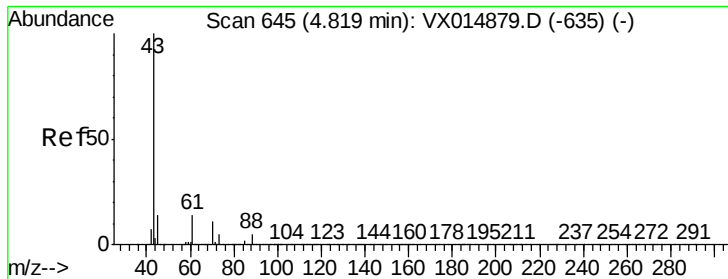


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

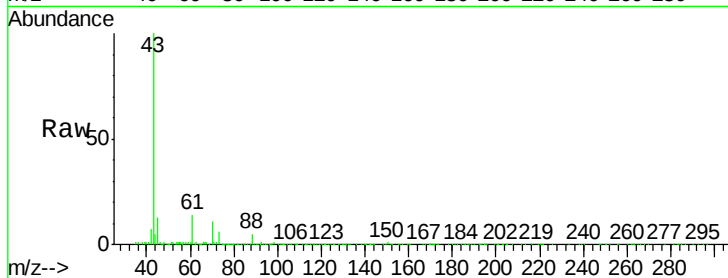




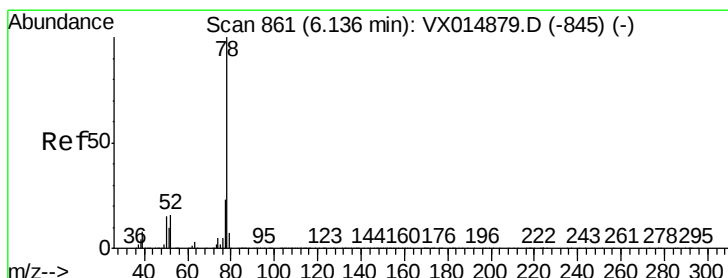
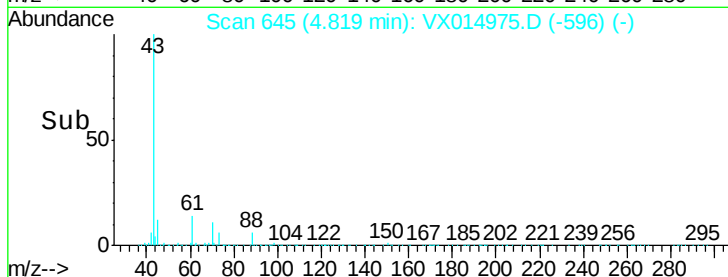
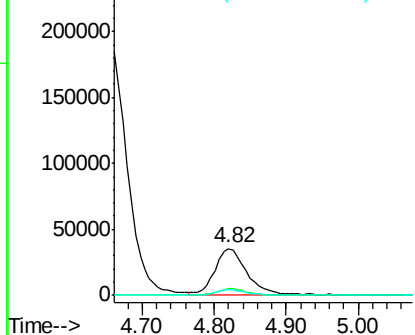
#37
Ethyl Acetate
Concen: 16.575 ug/l
RT: 4.82 min Scan# 645
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.9	16.3
70	11.6	8.7	13.1

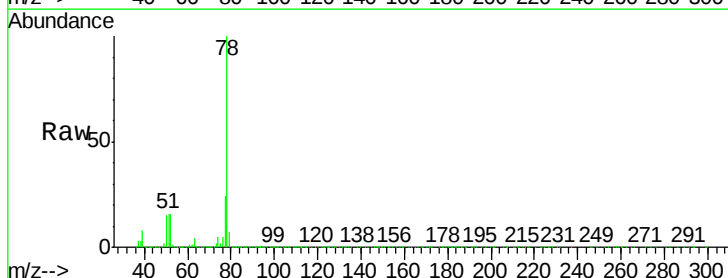


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

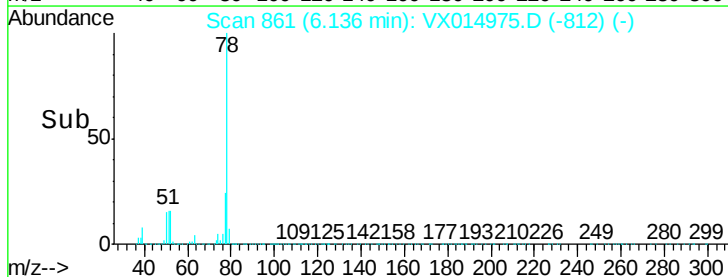
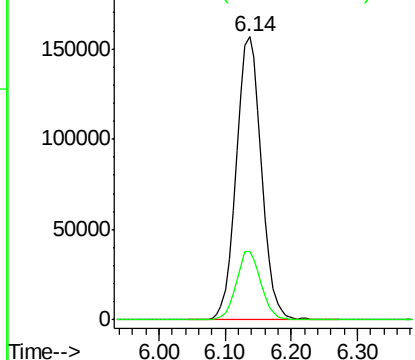


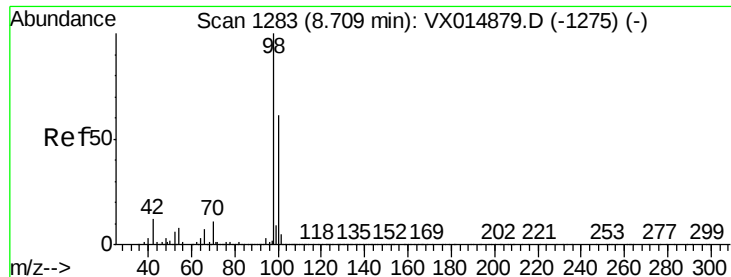
#40
Benzene
Concen: 22.302 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 52.076 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampled :

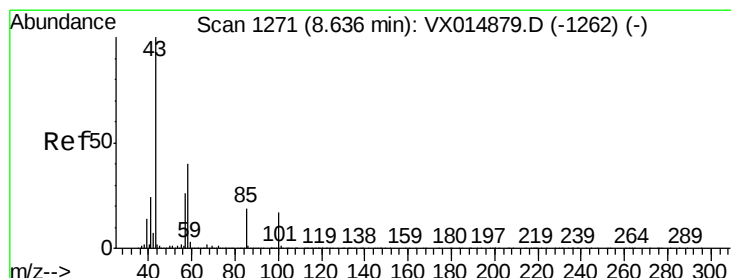
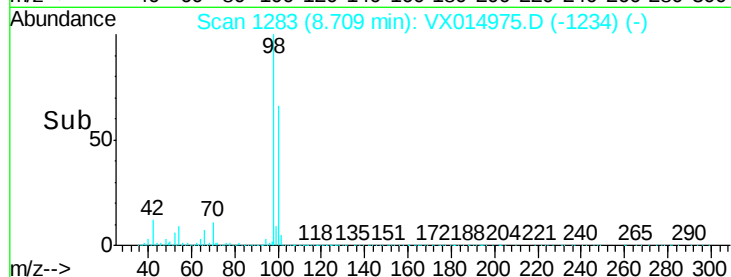
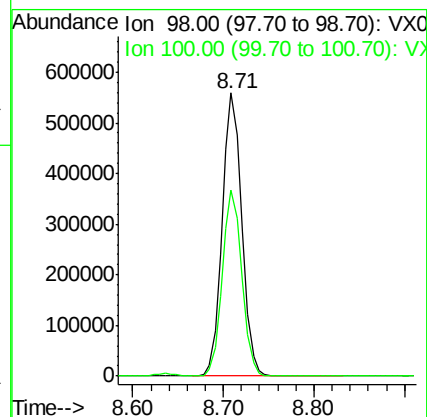
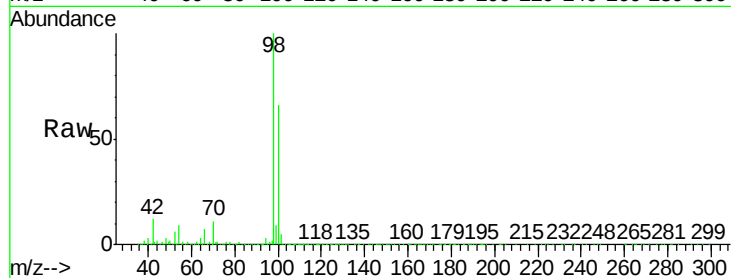
40708

Tot Ion: 98 Resp: 844495

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 7.495 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VX014975.D

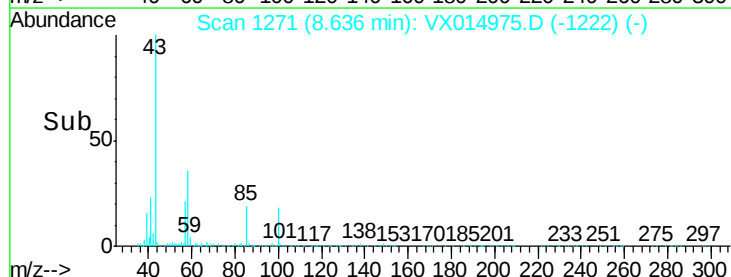
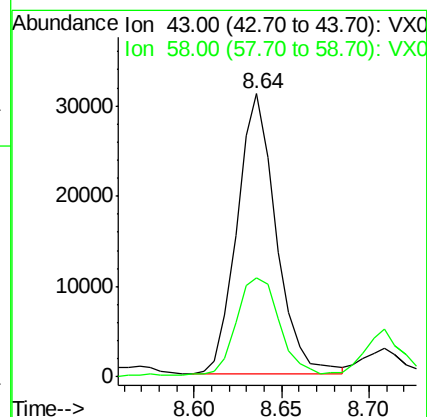
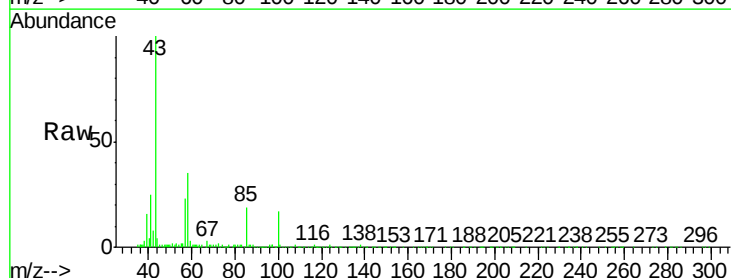
Acq: 20 Feb 2020 13:22

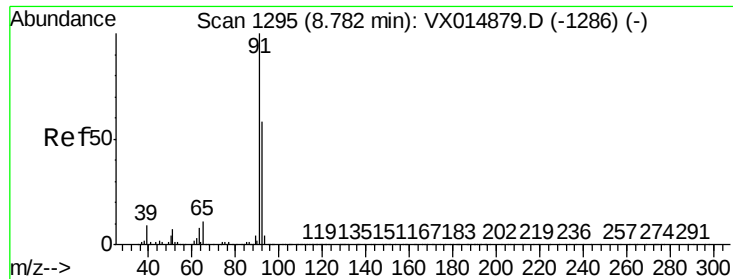
Tgt Ion: 43 Resp: 48134

Ion Ratio Lower Upper

43 100

58 38.8 31.9 47.9





#52

Toluene

Concen: 48.989 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampleId :

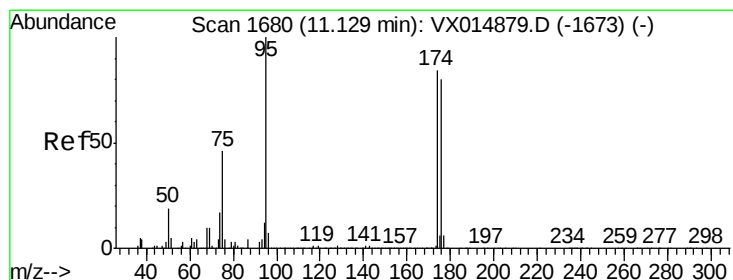
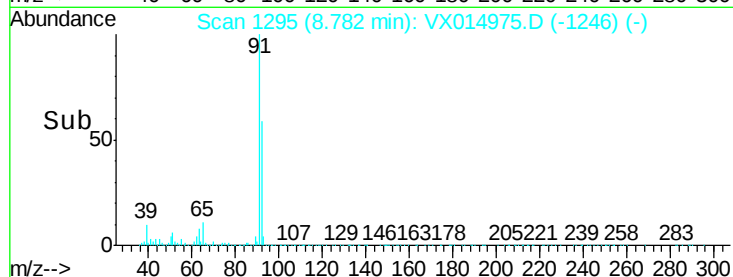
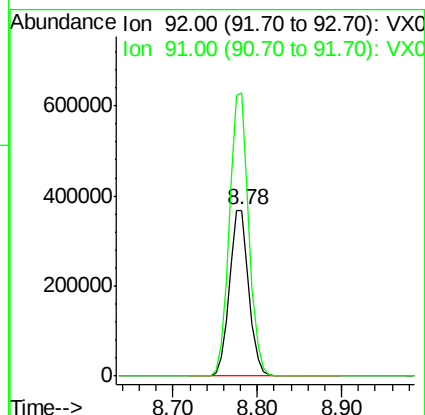
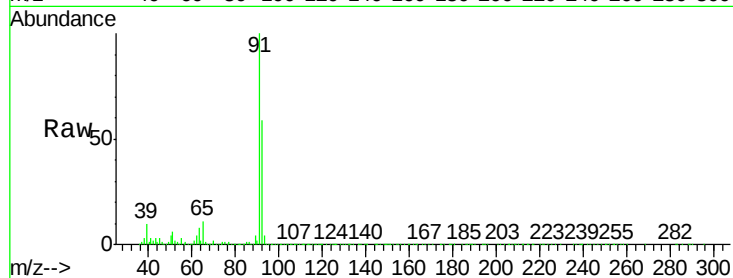
40708

Tot Ion: 92 Resp: 574685

Ion Ratio Lower Upper

92 100

91 171.6 137.0 205.4



#62

4-Bromofluorobenzene

Concen: 57.559 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

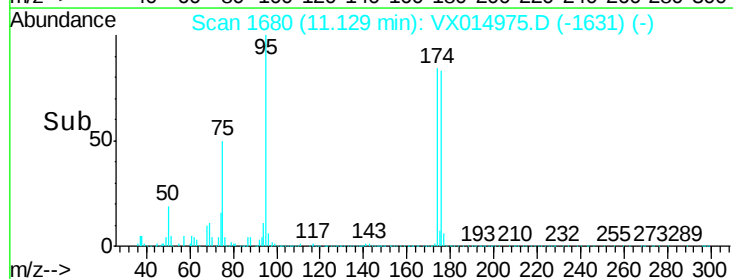
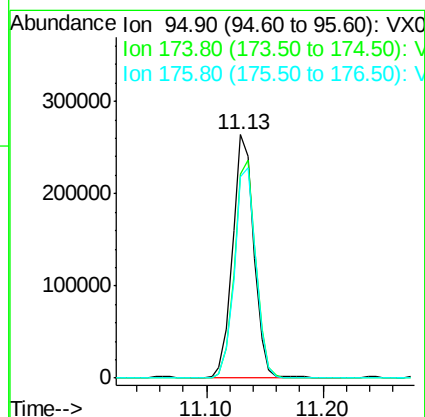
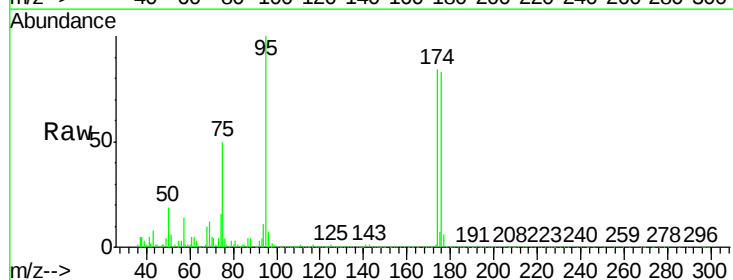
Tgt Ion: 95 Resp: 336246

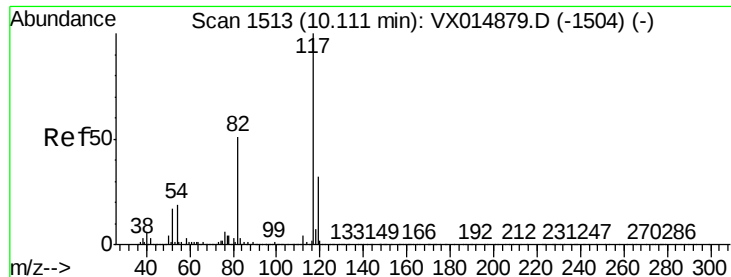
Ion Ratio Lower Upper

95 100

174 89.4 0.0 183.0

176 87.1 0.0 178.0

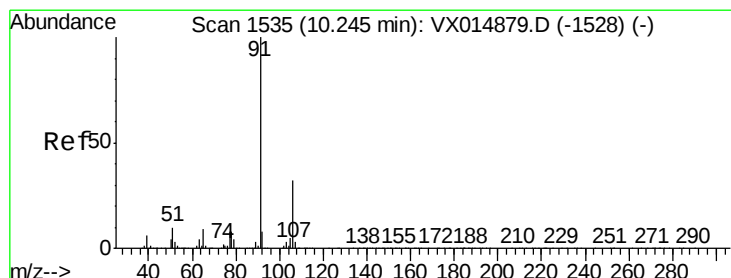
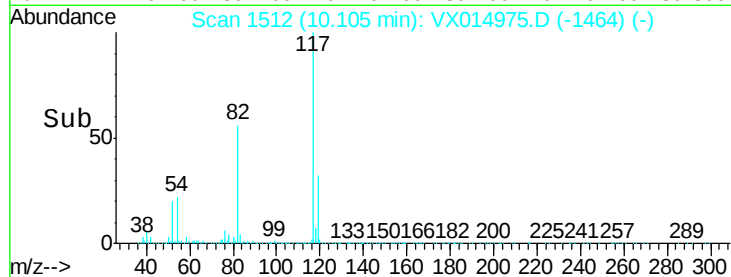
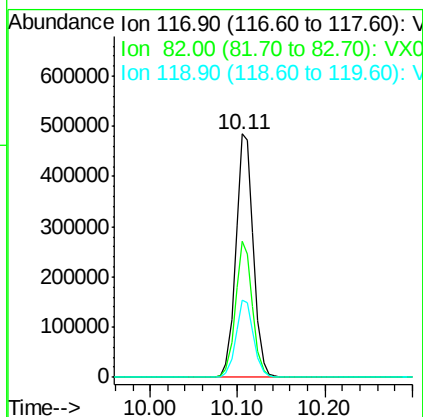
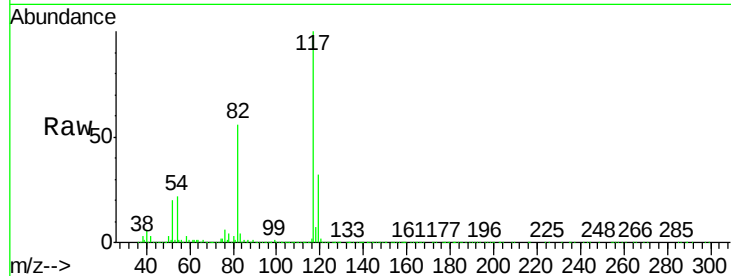




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

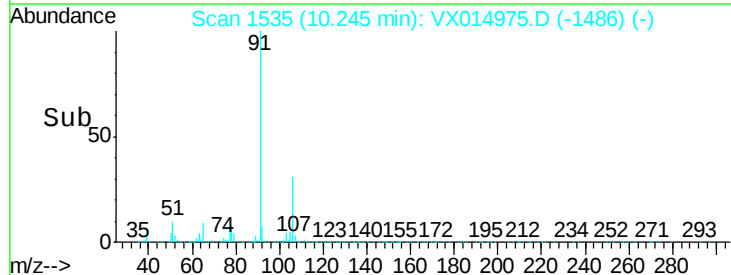
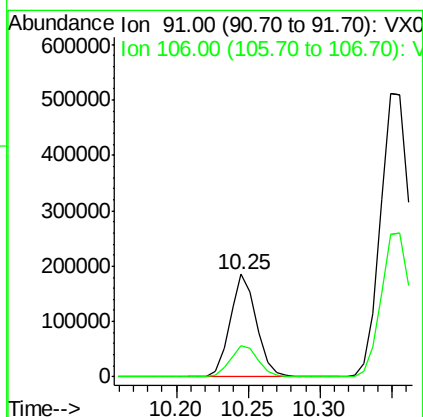
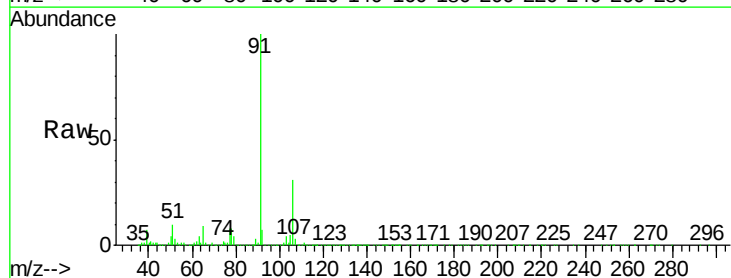
Instrument :
MSVOA_X
ClientSampleId :
40708

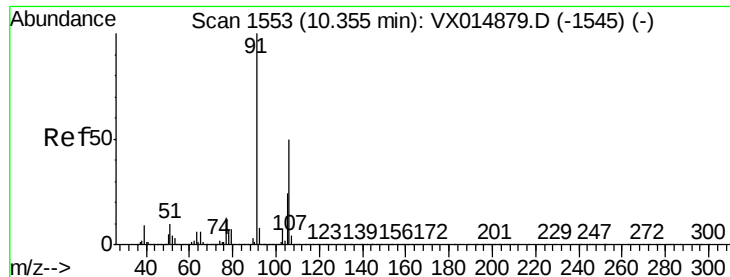
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	40.5	60.7
119	31.8	25.8	38.6



#67
Ethyl Benzene
Concen: 10.144 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	25.3	37.9

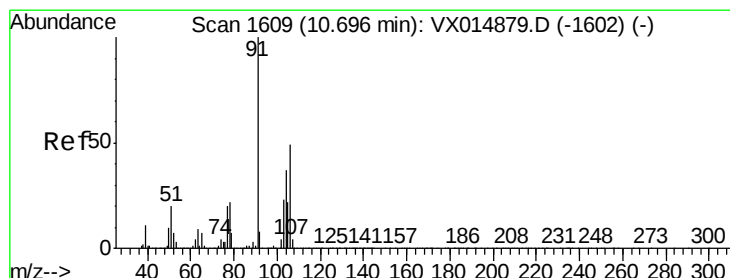
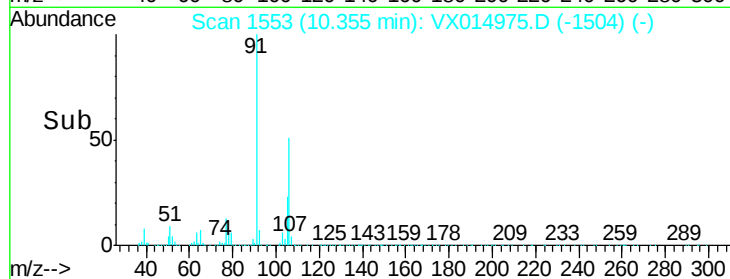
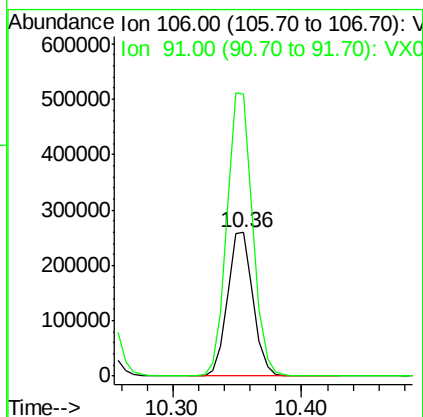
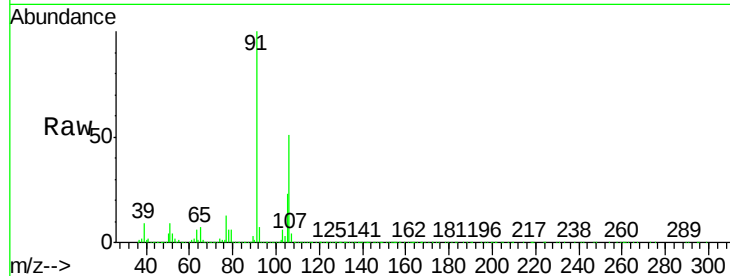




#68
m/p-Xylenes
Concen: 39.883 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

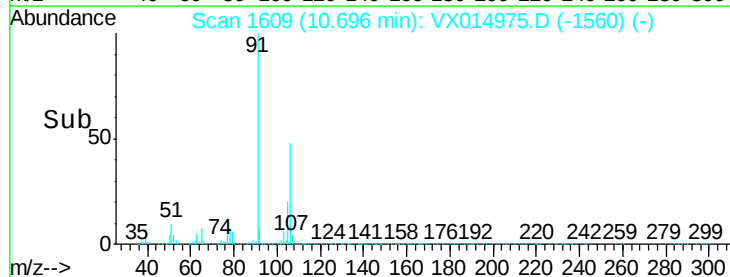
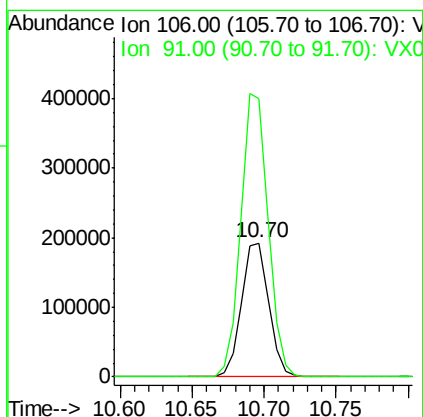
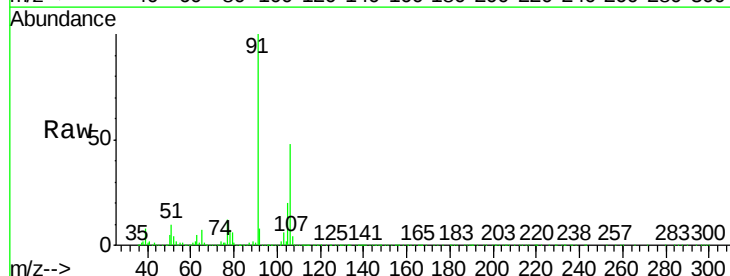
Instrument :
MSVOA_X
ClientSampleId :
40708

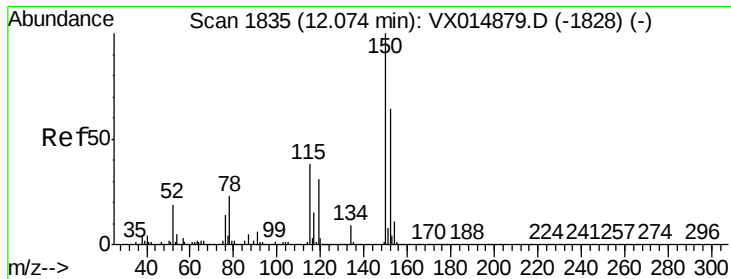
Tot Ion:106 Resp: 358963
Ion Ratio Lower Upper
106 100
91 200.0 160.6 240.8



#69
o-Xylene
Concen: 29.093 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion:106 Resp: 251701
Ion Ratio Lower Upper
106 100
91 212.2 105.1 315.3



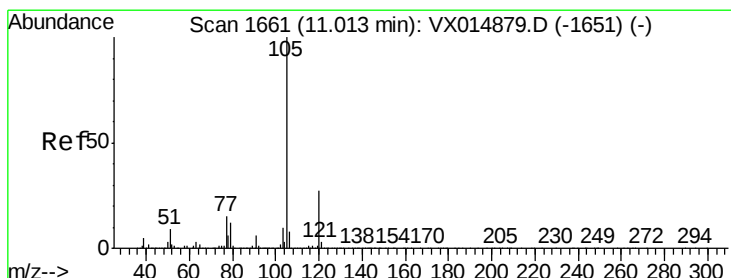
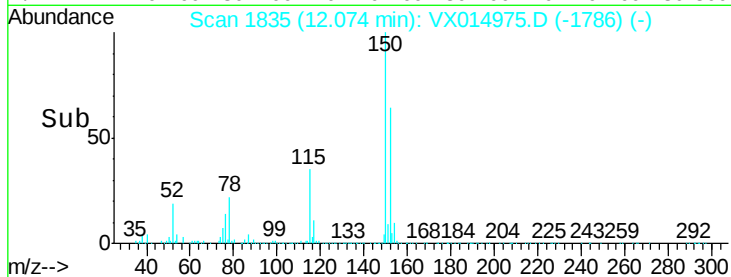
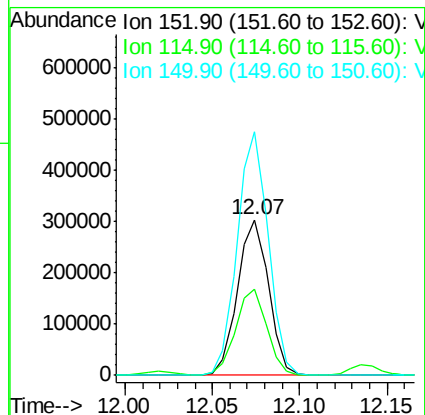
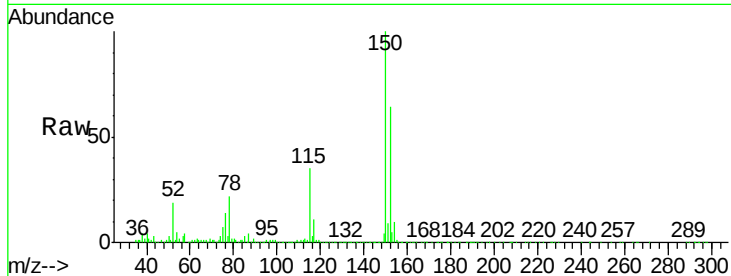


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Instrument :
MSVOA_X
ClientSampleId :
40708

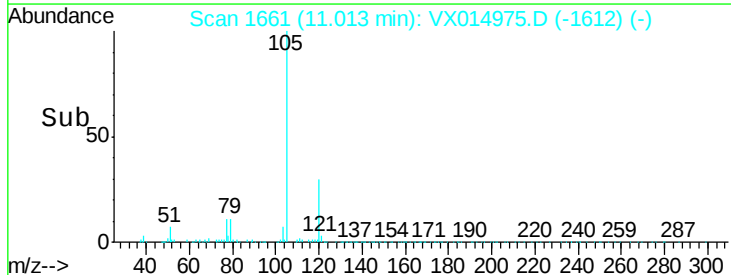
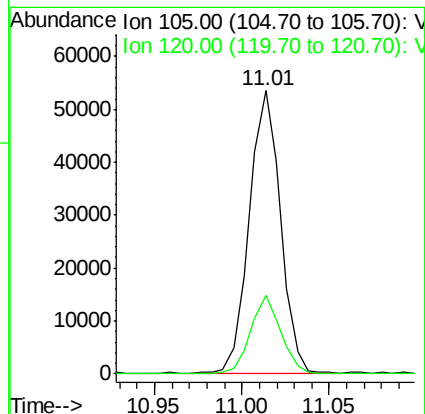
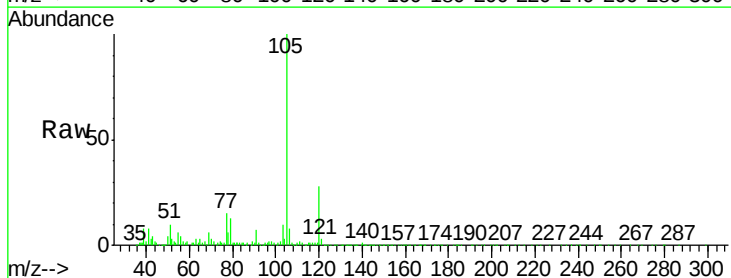
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.6	116.0
150	156.1	0.0	349.0

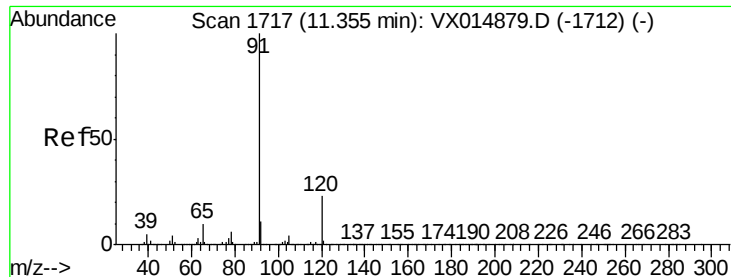


#73

Isopropylbenzene
Concen: 2.802 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.6	40.8





#78

n-propylbenzene

Concen: 7.995 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Instrument :

MSVOA_X

ClientSampled :

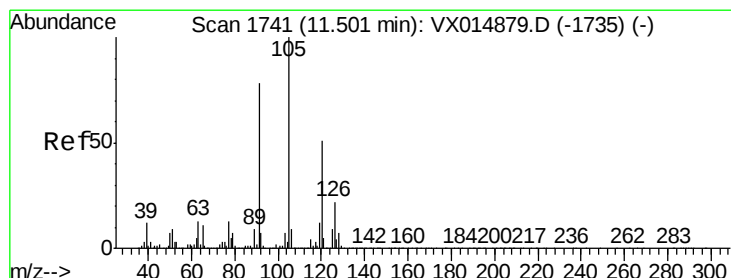
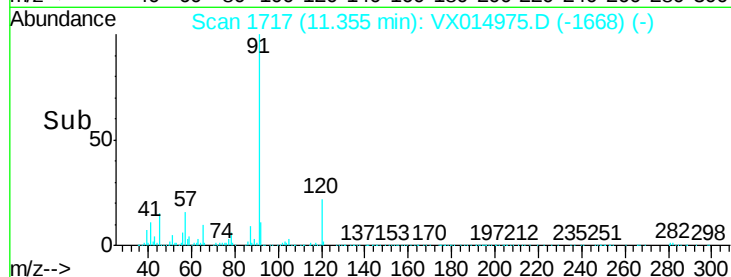
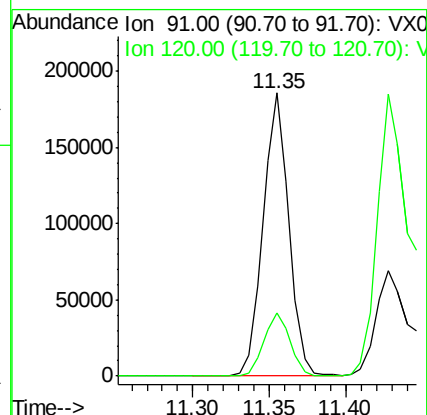
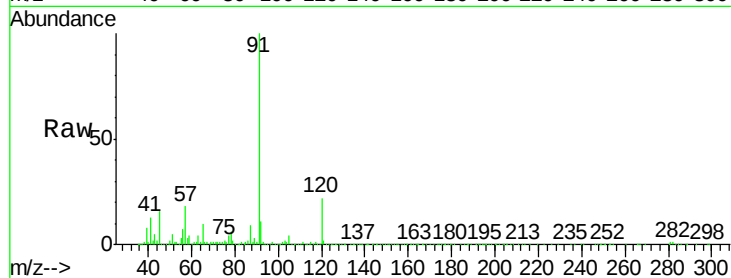
40708

Tot Ion: 91 Resp: 216843

Ion Ratio Lower Upper

91 100

120 23.3 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 13.344 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX014975.D

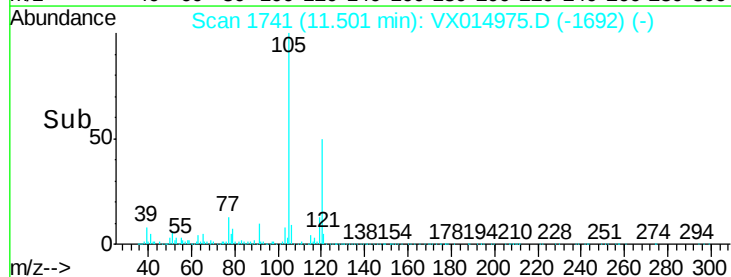
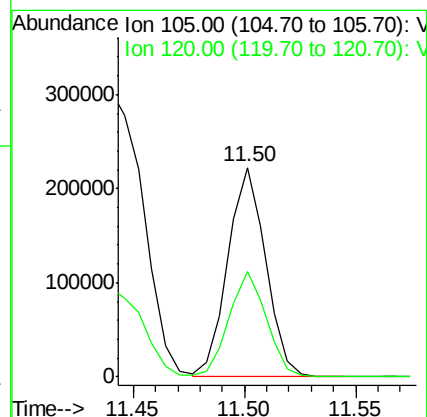
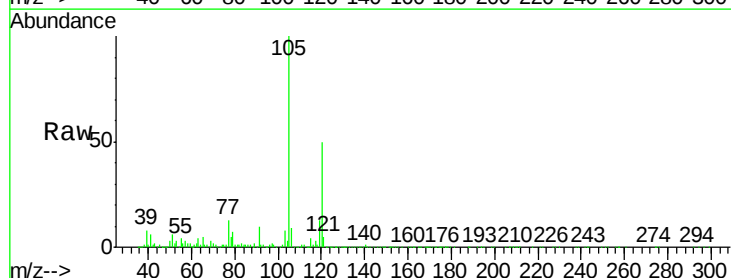
Acq: 20 Feb 2020 13:22

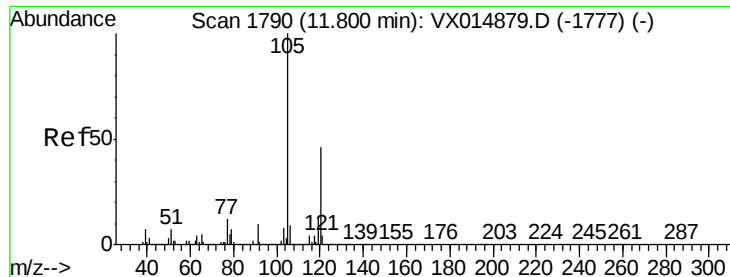
Tgt Ion: 105 Resp: 261436

Ion Ratio Lower Upper

105 100

120 49.7 25.6 76.6

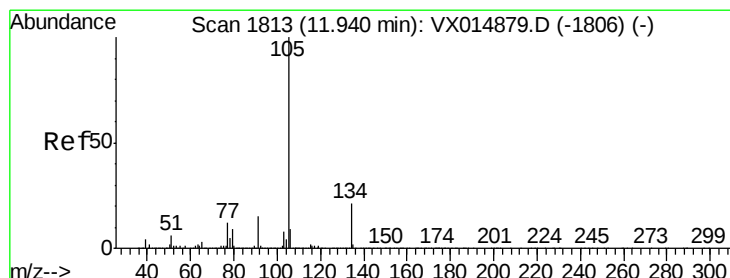
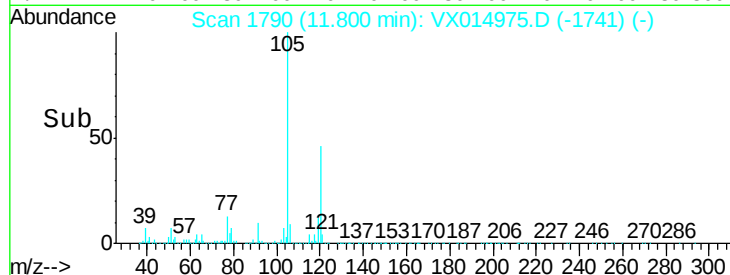
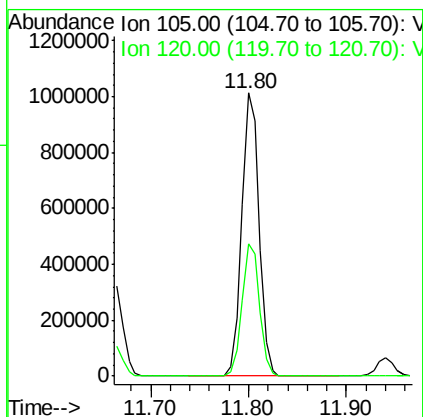
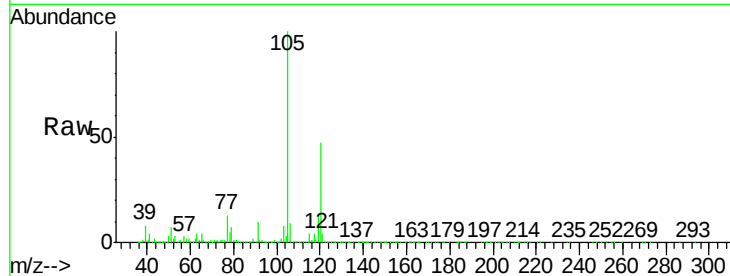




#84
 1,2,4-Trimethylbenzene
 Concen: 62.751 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

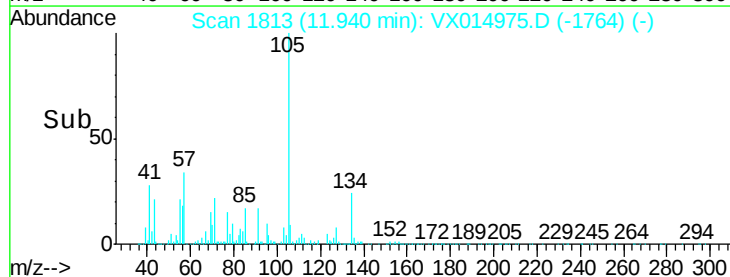
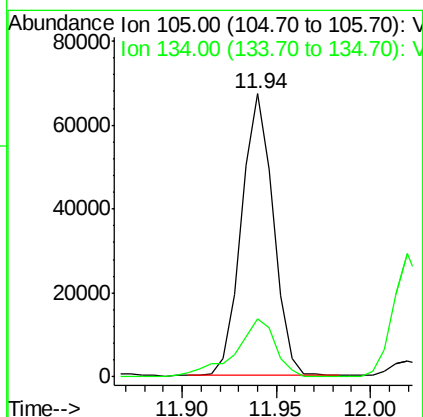
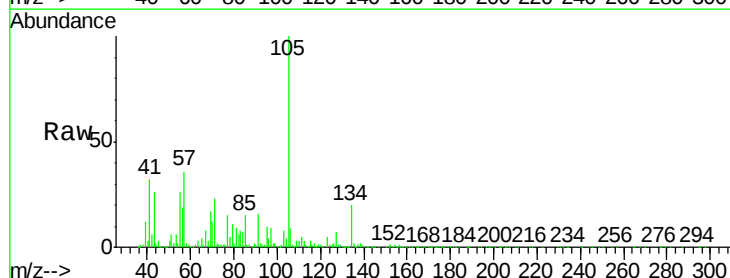
Instrument :
 MSVOA_X
 ClientSampleId :
 40708

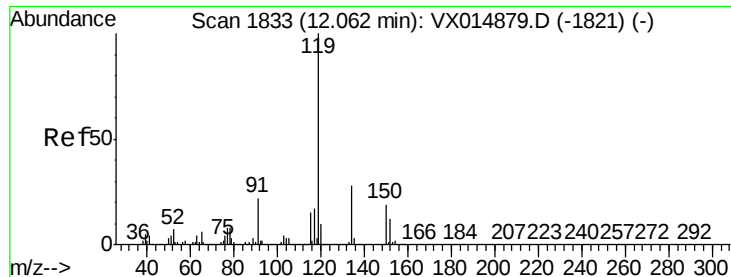
Tot Ion:105 Resp: 1239019
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.0 69.0



#85
 sec-Butylbenzene
 Concen: 3.394 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX014975.D
 Acq: 20 Feb 2020 13:22

Tgt Ion:105 Resp: 78238
 Ion Ratio Lower Upper
 105 100
 134 26.1 10.6 31.8





#86

p-Isopropyltoluene

Concen: 2.392 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

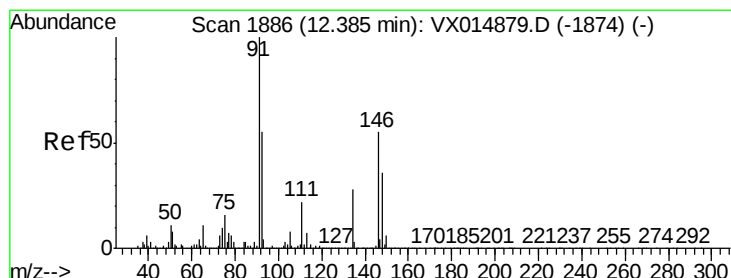
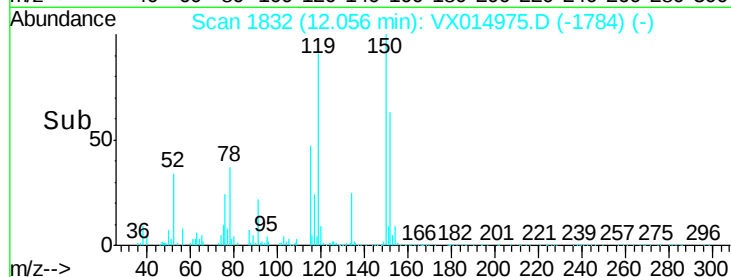
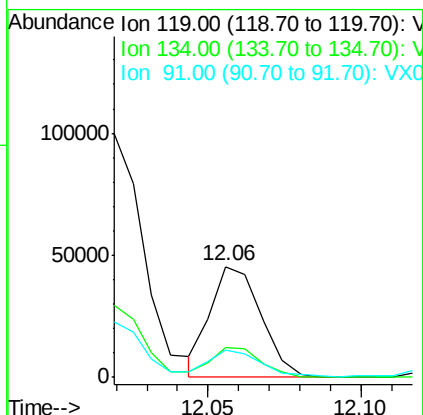
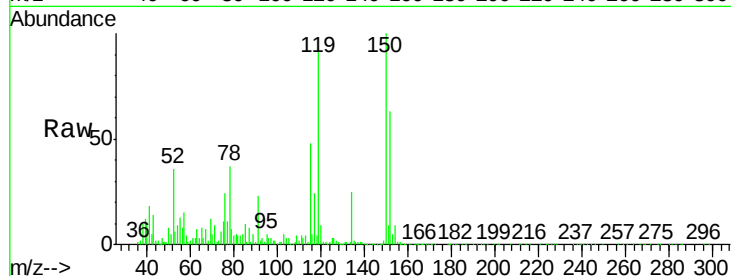
Instrument :

MSVOA_X

ClientSampleId :

40708

Tot Ion:	119	Resp:	51589
Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.5	40.5
91	25.1	11.4	34.1



#89

n-Butylbenzene

Concen: 9.491 ug/l

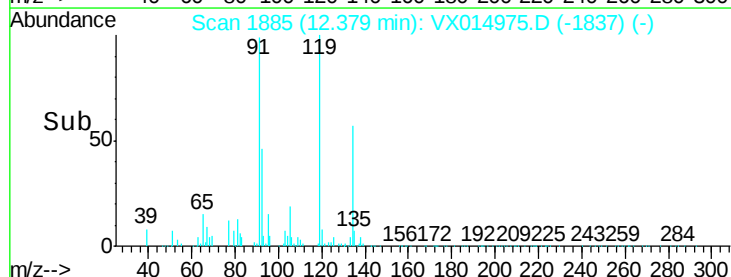
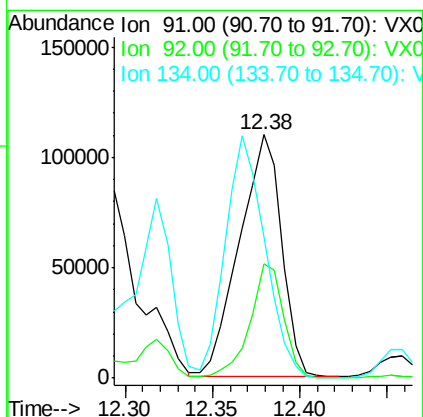
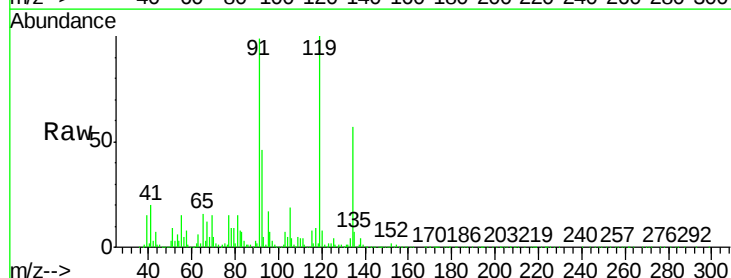
RT: 12.38 min Scan# 1885

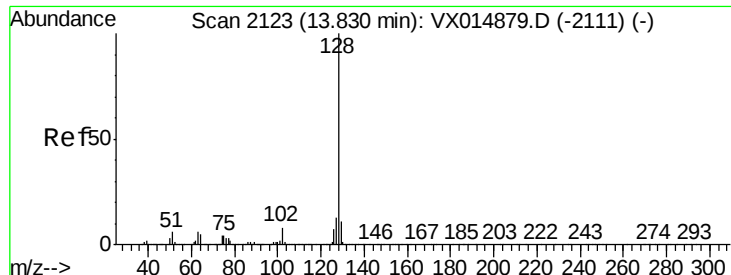
Delta R.T. -0.01 min

Lab File: VX014975.D

Acq: 20 Feb 2020 13:22

Tgt Ion:	91	Resp:	183333
Ion	Ratio	Lower	Upper
91	100		
92	37.7	27.3	81.8
134	93.5	13.8	41.4#





#95
Naphthalene
Concen: 38.406 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX014975.D
Acq: 20 Feb 2020 13:22

Instrument :
MSVOA_X
ClientSampleId :
40708

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.6	8.6	13.0

