

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012951.D
 Acq On : 09 Oct 2019 18:29
 Operator : JC/SP
 Sample : K5185-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Oct 10 09:12:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	178107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	301785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	260376	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109834	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	115211	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	
35) Dibromofluoromethane	5.49	113	88837	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	8.71	98	354244	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
62) 4-Bromofluorobenzene	11.14	95	128261	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	

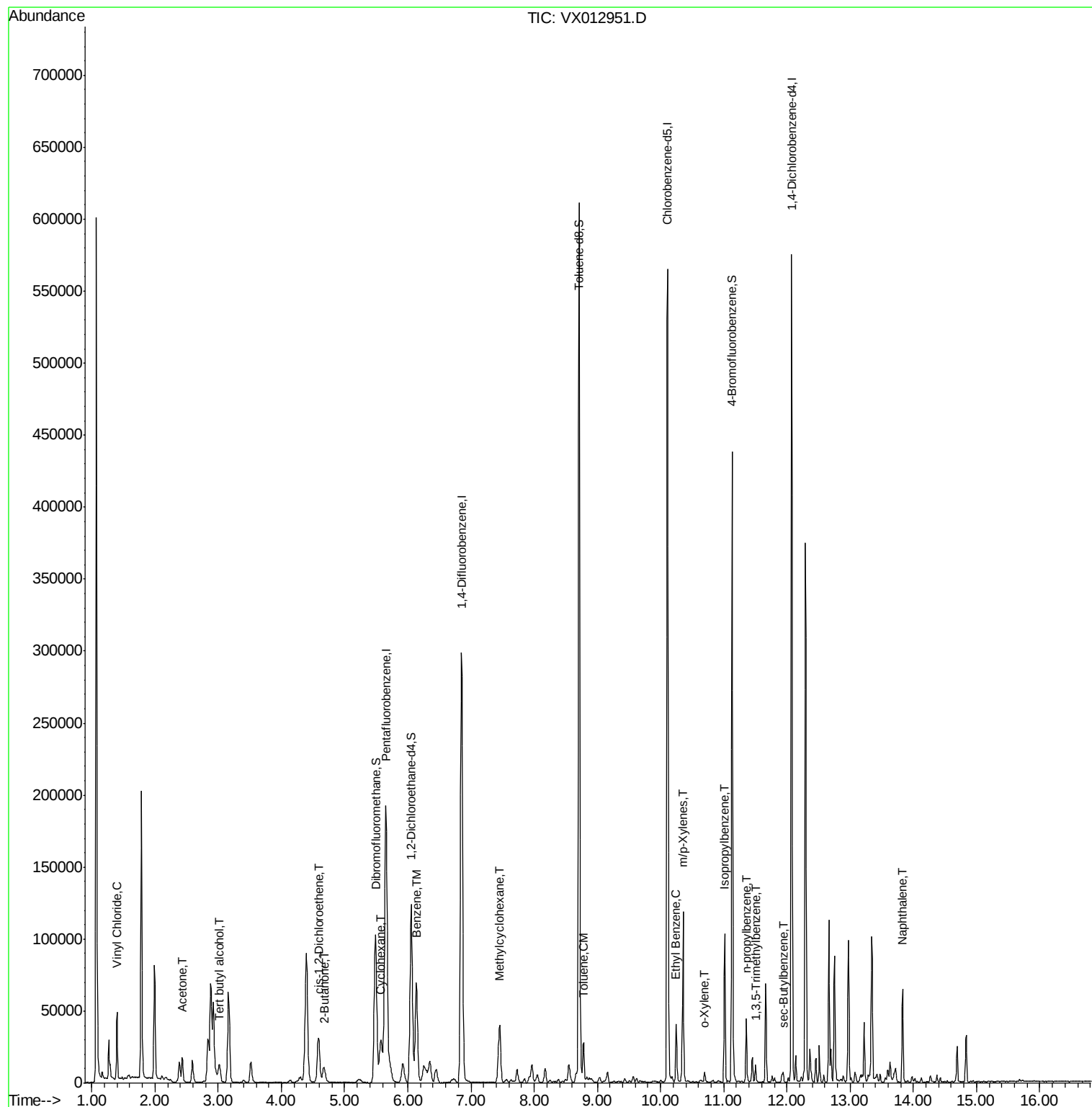
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	9930	4.869	ug/l	98
11) Tert butyl alcohol	3.02	59	13712	23.236	ug/l #	72
16) Acetone	2.43	43	18277	15.576	ug/l	90
25) 2-Butanone	4.67	43	8520	5.234	ug/l	91
27) cis-1,2-Dichloroethene	4.59	96	20443	9.193	ug/l	90
31) Cyclohexane	5.57	56	21376	6.616	ug/l	94
39) Methylcyclohexane	7.46	83	16098	5.003	ug/l	97
40) Benzene	6.14	78	82663	10.548	ug/l	100
52) Toluene	8.78	92	9960	1.987	ug/l	99
67) Ethyl Benzene	10.25	91	23870	2.599	ug/l	96
68) m/p-Xylenes	10.35	106	26665	7.771	ug/l	99
69) o-Xylene	10.70	106	1579	0.472	ug/l	94
73) Isopropylbenzene	11.01	105	51507	6.378	ug/l	100
78) n-propylbenzene	11.35	91	28016	3.153	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	5407	0.802	ug/l	94
85) sec-Butylbenzene	11.94	105	2951	0.387	ug/l	91
95) Naphthalene	13.83	128	37748	5.018	ug/l	98

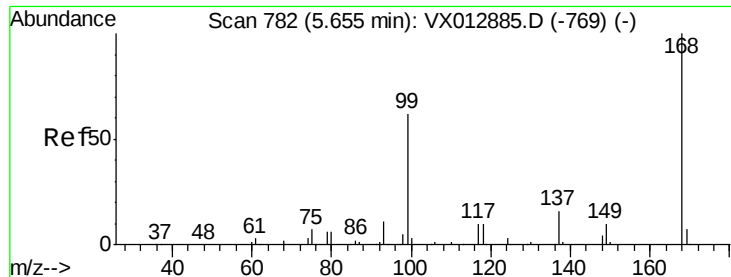
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 09:12:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
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: VX012951.D

Acq: 09 Oct 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

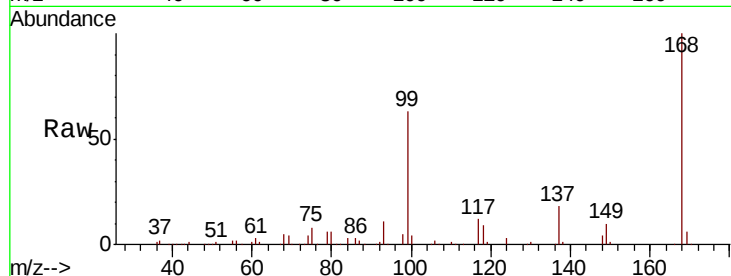
WC-1

Tot Ion:168 Resp: 178107

Ion Ratio Lower Upper

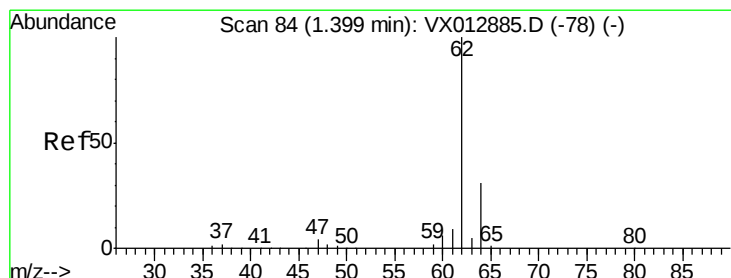
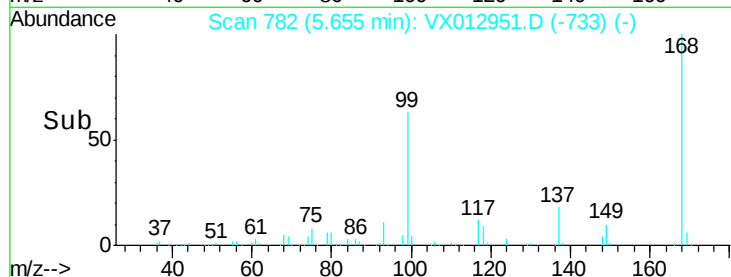
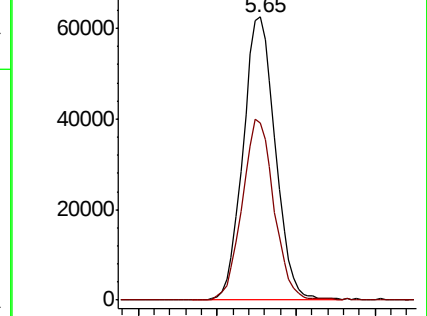
168 100

99 62.6 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 4.869 ug/l

RT: 1.40 min Scan# 84

Delta R.T. -0.00 min

Lab File: VX012951.D

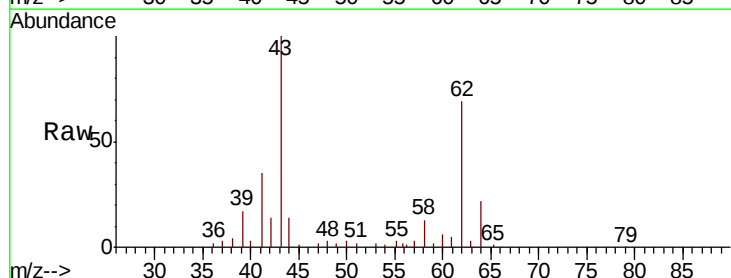
Acq: 09 Oct 2019 18:29

Tgt Ion: 62 Resp: 9930

Ion Ratio Lower Upper

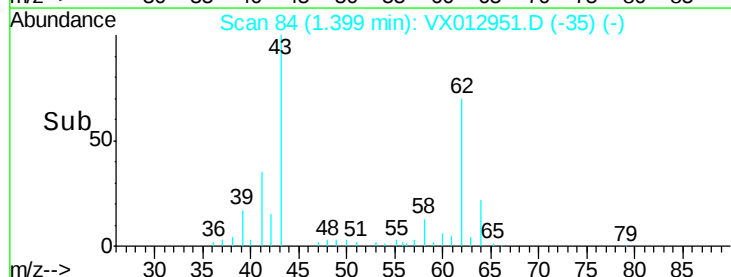
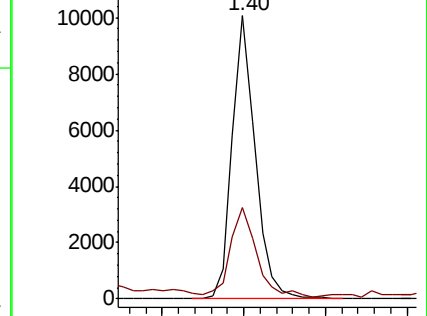
62 100

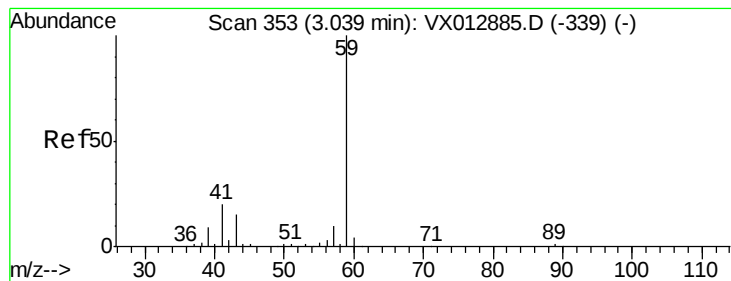
64 30.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



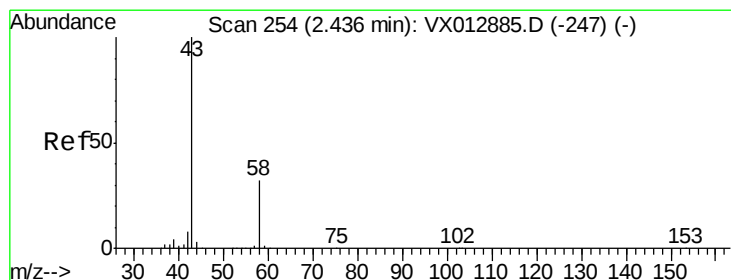
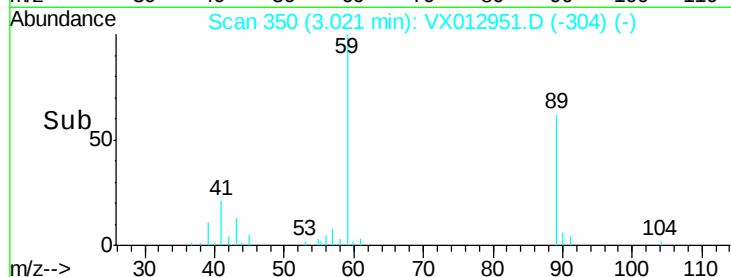
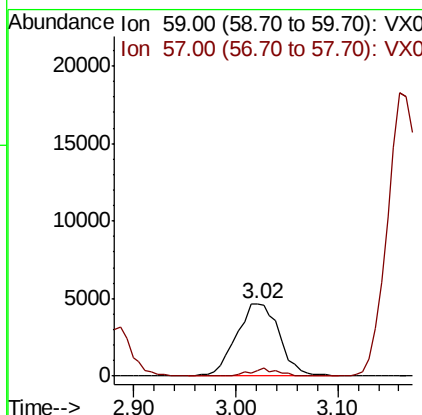
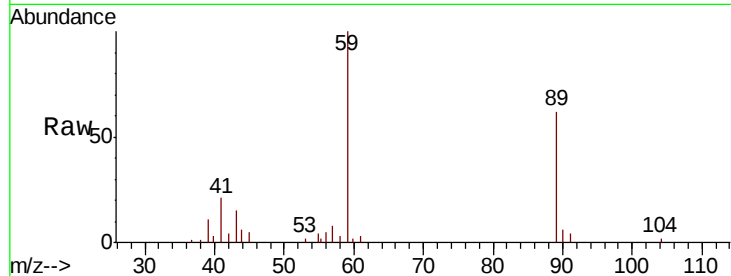


#11

Tert butyl alcohol
 Concen: 23.236 ug/l
 RT: 3.02 min Scan# 350
 Delta R.T. -0.02 min
 Lab File: VX012951.D
 Acq: 09 Oct 2019 18:29

Instrument :
 MSVOA_X
 ClientSampled :
 WC-1

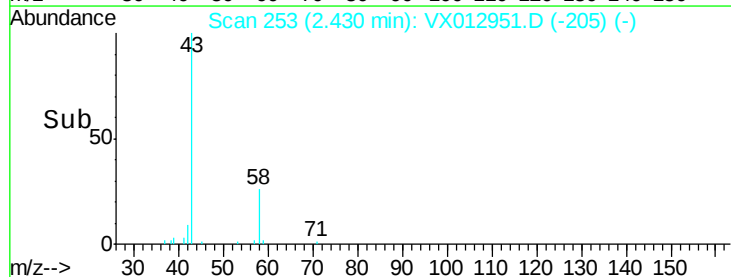
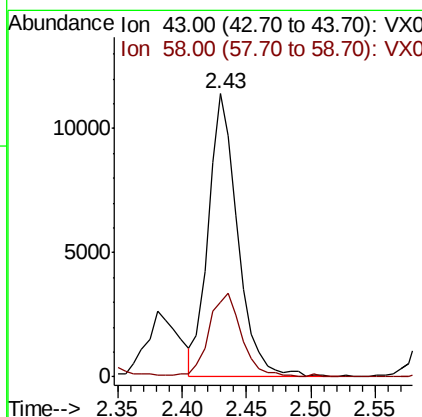
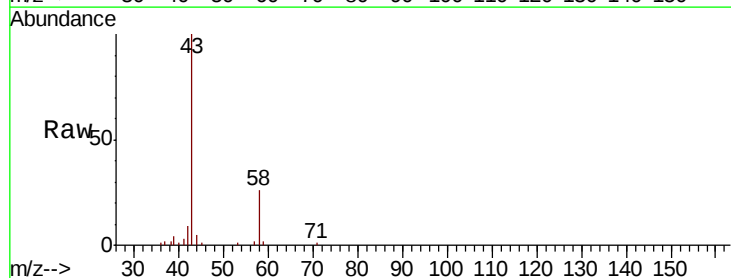
Tot Ion: 59 Resp: 13712
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

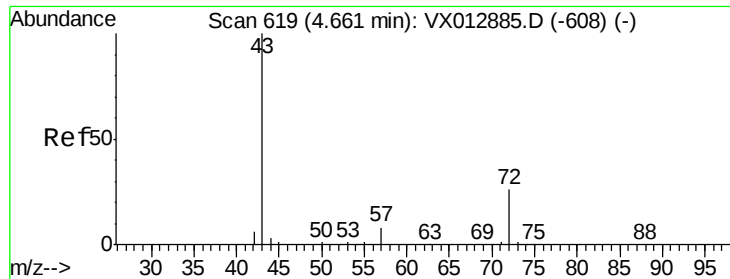


#16

Acetone
 Concen: 15.576 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012951.D
 Acq: 09 Oct 2019 18:29

Tgt Ion: 43 Resp: 18277
 Ion Ratio Lower Upper
 43 100
 58 26.2 25.4 38.2

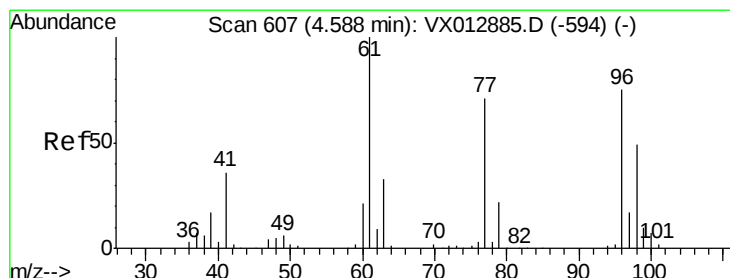
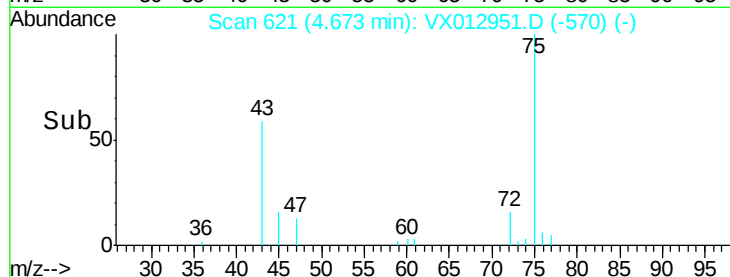
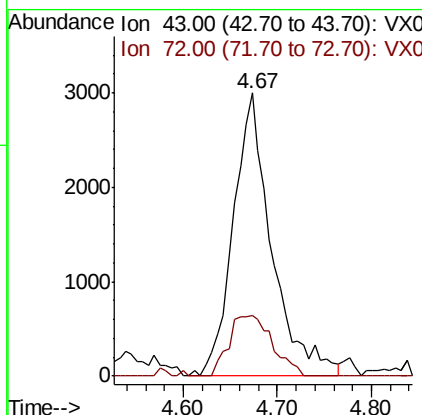
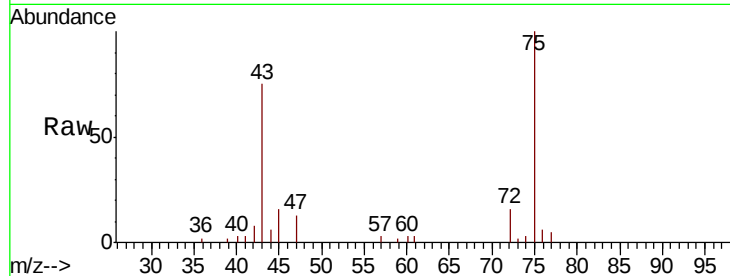




#25
2-Butanone
Concen: 5.234 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

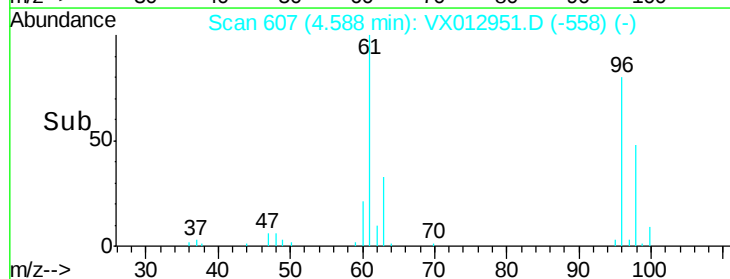
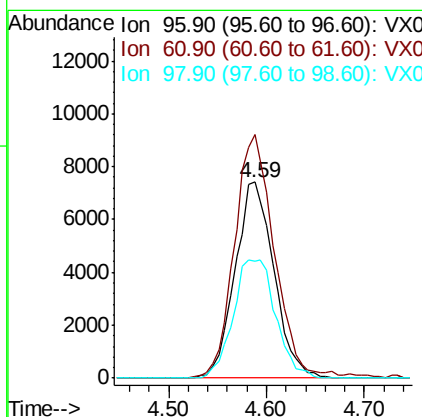
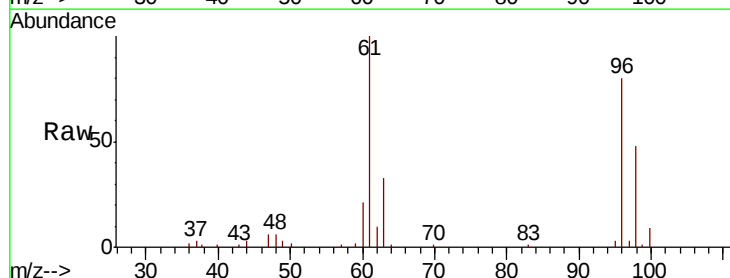
Instrument :
MSVOA_X
ClientSampled :
WC-1

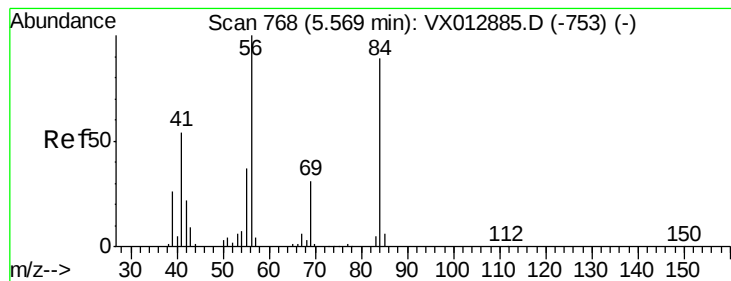
Tot Ion: 43 Resp: 8520
Ion Ratio Lower Upper
43 100
72 21.4 21.0 31.6



#27
cis-1,2-Dichloroethene
Concen: 9.193 ug/l
RT: 4.59 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

Tgt Ion: 96 Resp: 20443
Ion Ratio Lower Upper
96 100
61 127.5 0.0 290.6
98 65.5 0.0 128.8





#31

Cyclohexane

Concen: 6.616 ug/l

RT: 5.57 min Scan# 768

Delta R.T. -0.00 min

Lab File: VX012951.D

Acq: 09 Oct 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

WC-1

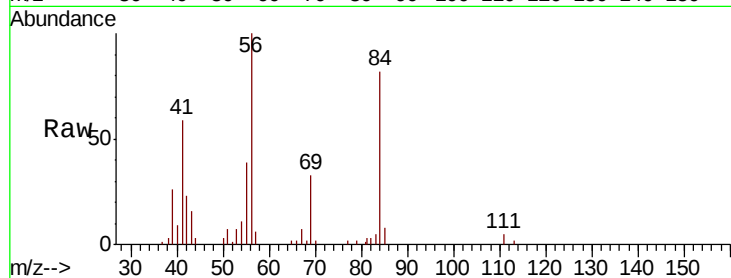
Tot Ion: 56 Resp: 21376

Ion Ratio Lower Upper

56 100

69 30.0 25.2 37.8

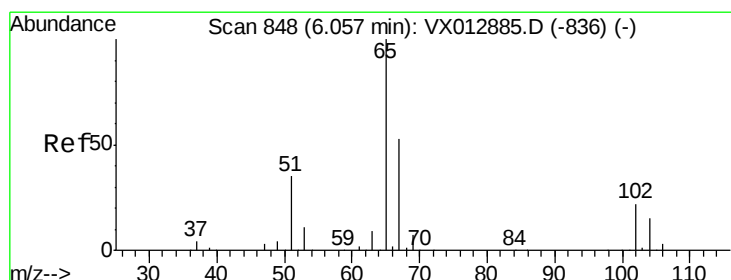
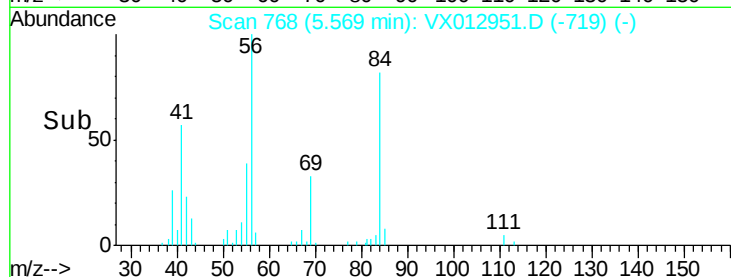
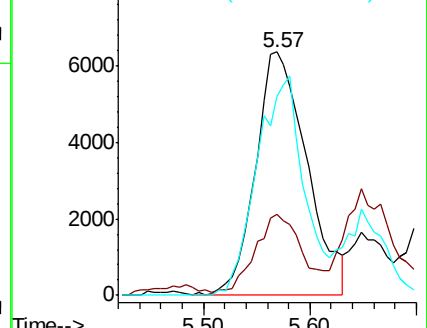
84 81.8 71.3 106.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.754 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX012951.D

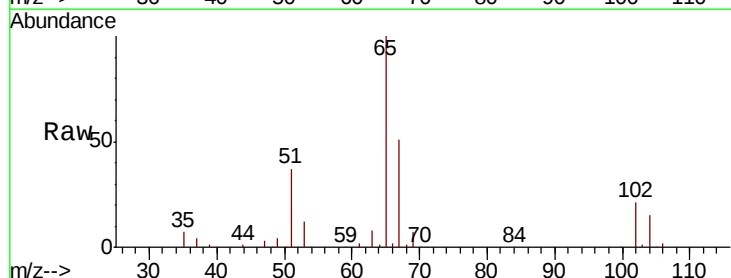
Acq: 09 Oct 2019 18:29

Tgt Ion: 65 Resp: 115211

Ion Ratio Lower Upper

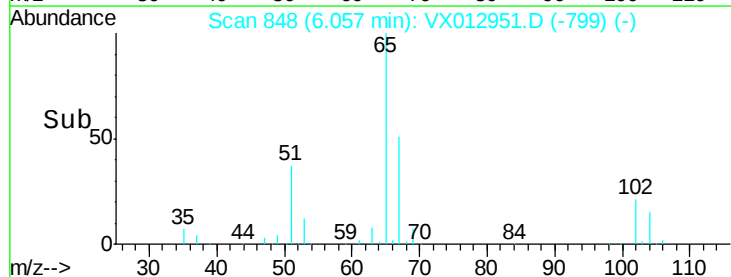
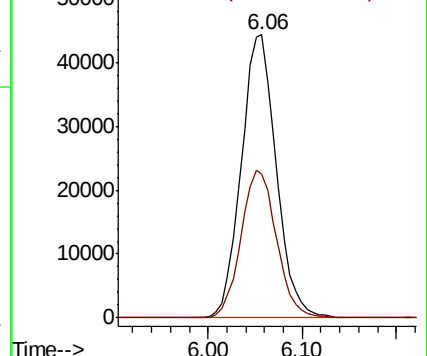
65 100

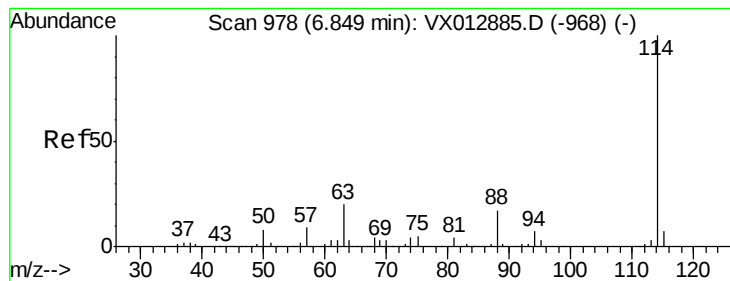
67 52.8 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012951.D

Acq: 09 Oct 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

WC-1

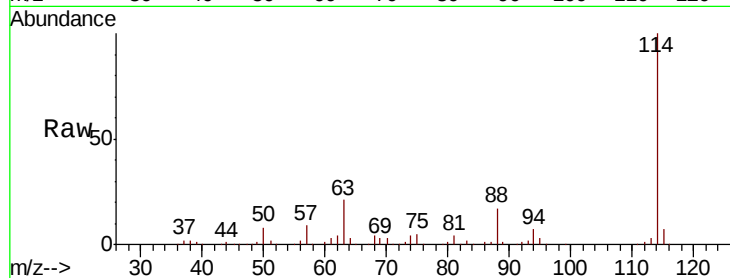
Tot Ion:114 Resp: 301785

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.8

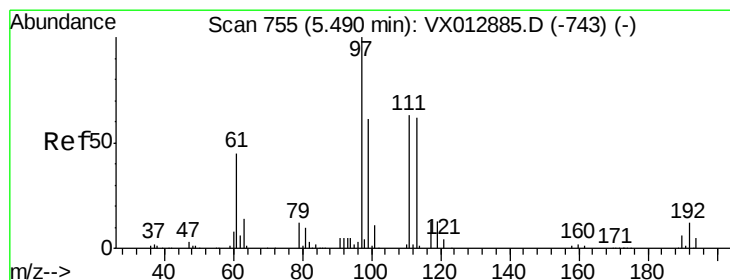
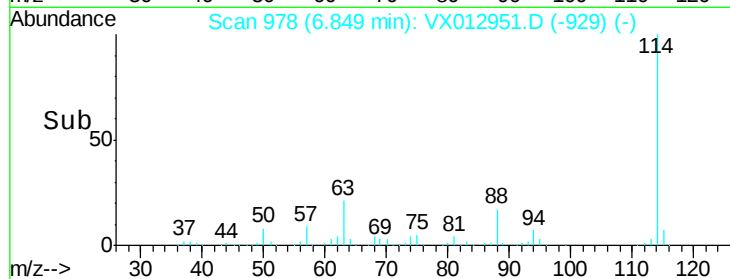
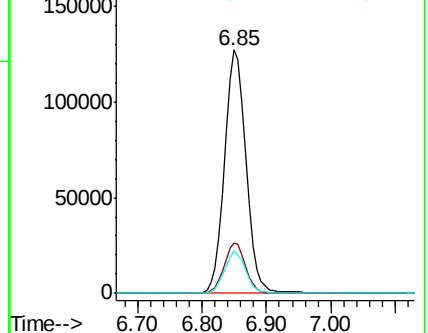
88 17.3 0.0 33.8



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: 51.289 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX012951.D

Acq: 09 Oct 2019 18:29

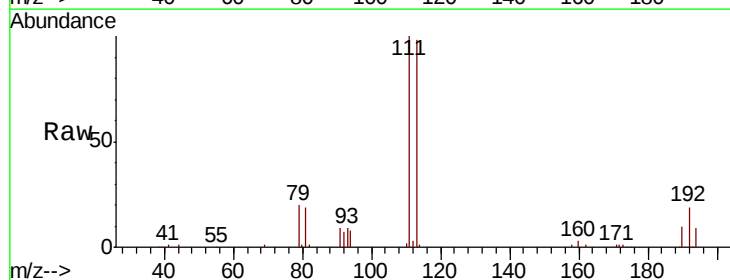
Tgt Ion:113 Resp: 88837

Ion Ratio Lower Upper

113 100

111 103.4 83.2 124.8

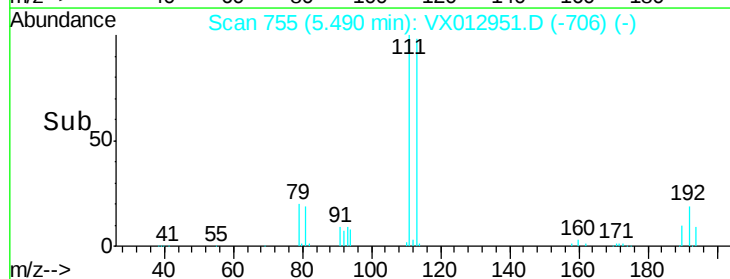
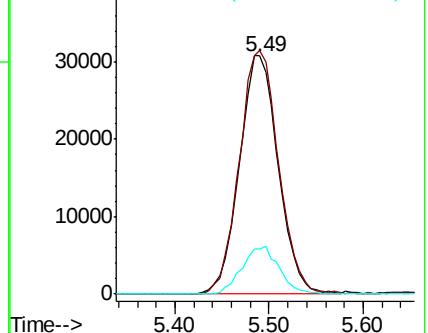
192 19.1 15.4 23.2

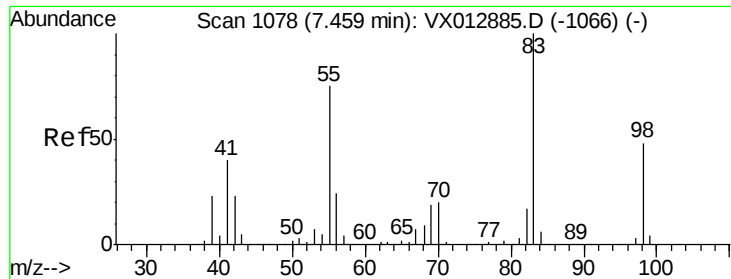


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

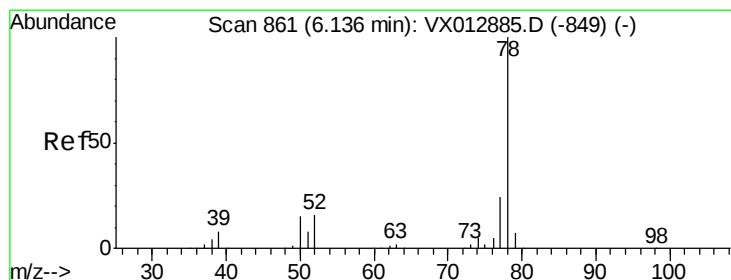
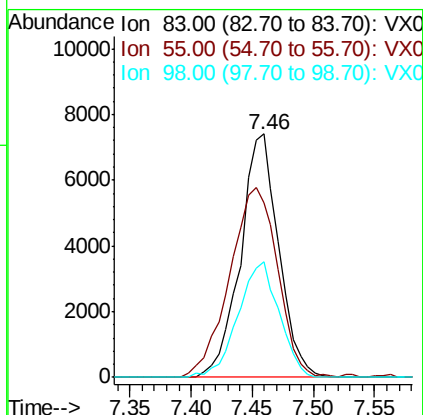
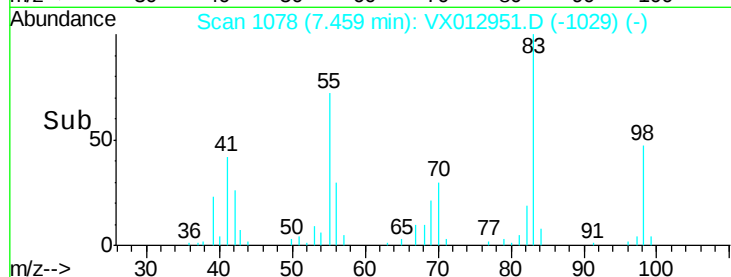
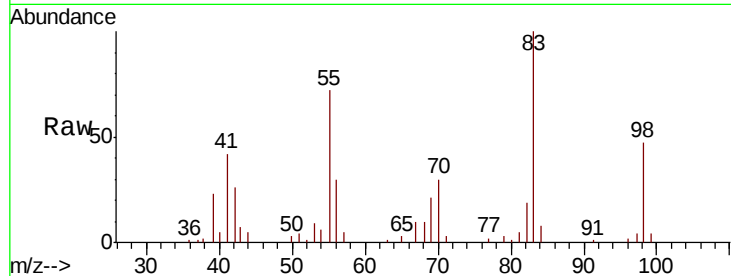




#39
Methvlcvclohexane
Concen: 5.003 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

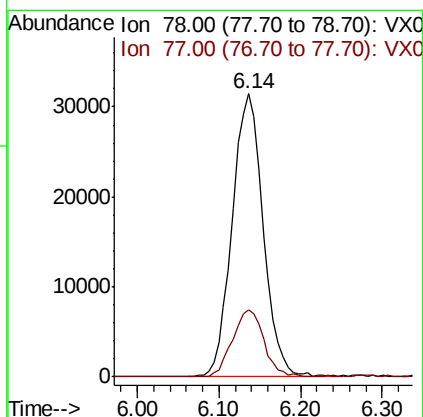
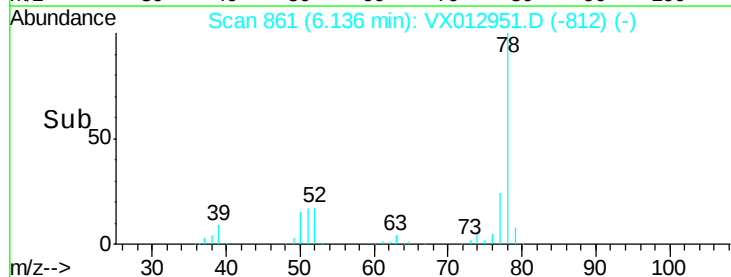
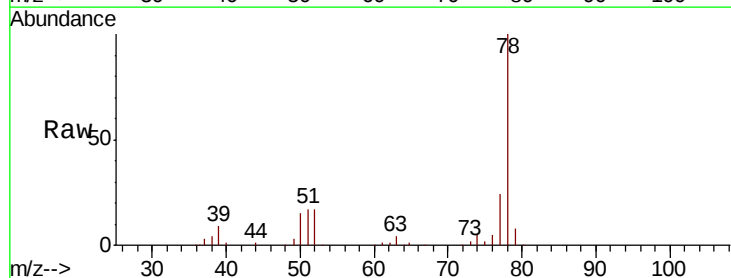
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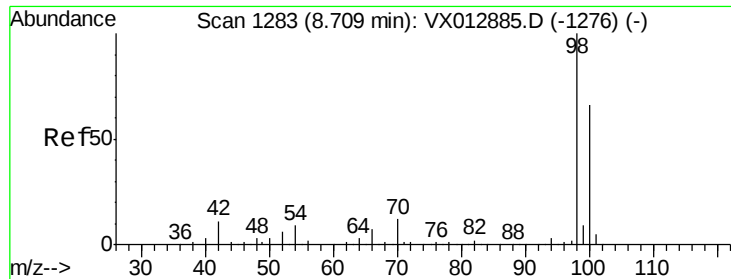
Tot Ion: 83 Resp: 16098
Ion Ratio Lower Upper
83 100
55 71.5 60.2 90.4
98 47.3 38.5 57.7



#40
Benzene
Concen: 10.548 ug/l
RT: 6.14 min Scan# 861
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

Tgt Ion: 78 Resp: 82663
Ion Ratio Lower Upper
78 100
77 23.7 19.0 28.4

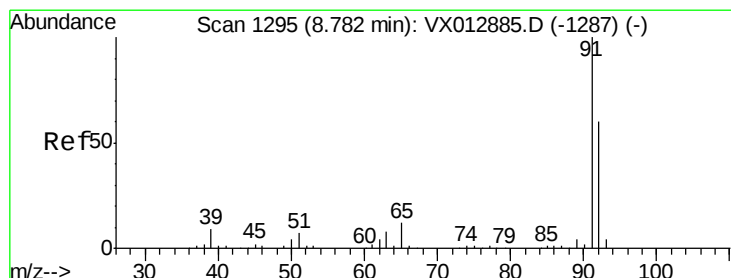
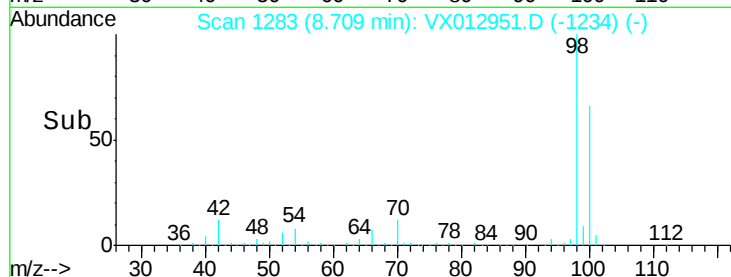
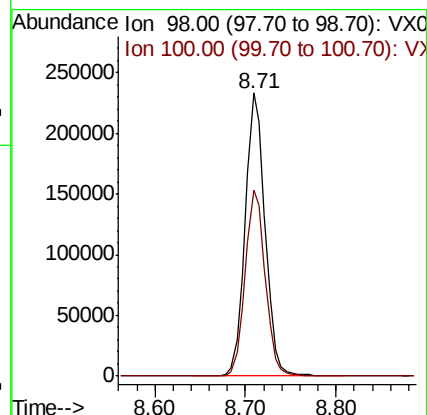
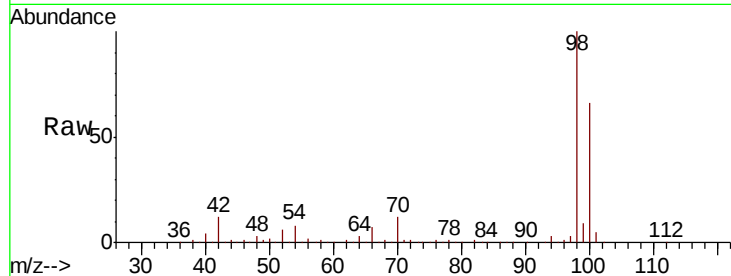




#50
Toluene-d8
Concen: 52.437 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

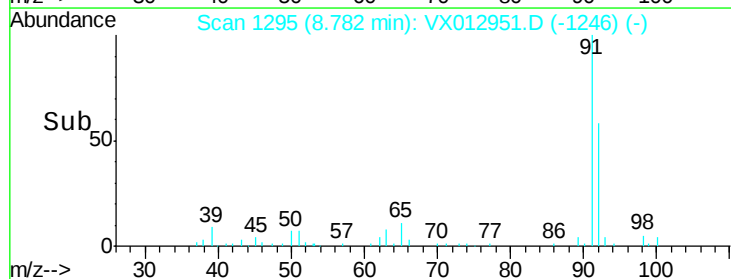
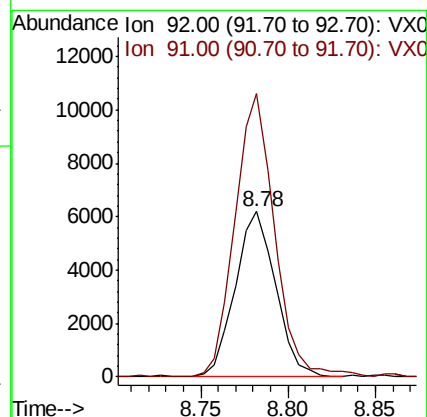
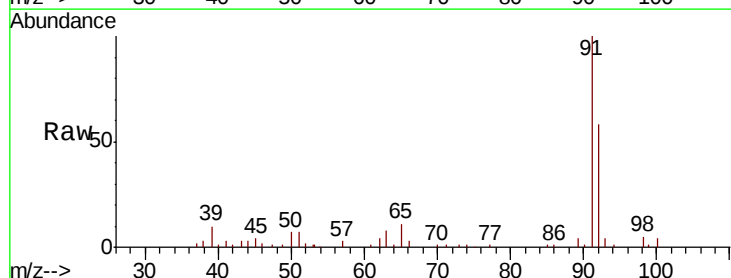
Instrument :
MSVOA_X
ClientSampled :
WC-1

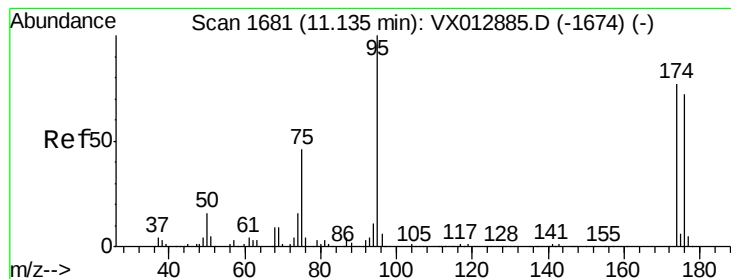
Tot Ion: 98 Resp: 354244
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



#52
Toluene
Concen: 1.987 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

Tgt Ion: 92 Resp: 9960
Ion Ratio Lower Upper
92 100
91 168.4 135.9 203.9





#62

4-Bromofluorobenzene

Concen: 48.863 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012951.D

Acq: 09 Oct 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

WC-1

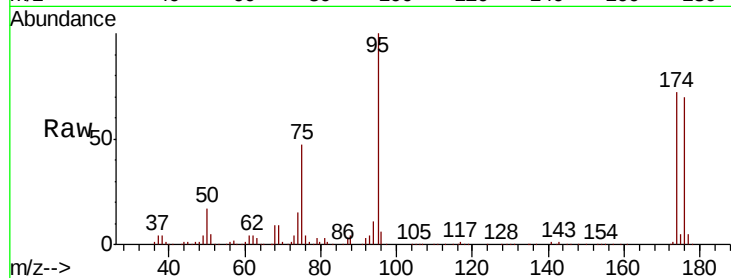
Tot Ion: 95 Resp: 128261

Ion Ratio Lower Upper

95 100

174 71.2 0.0 143.4

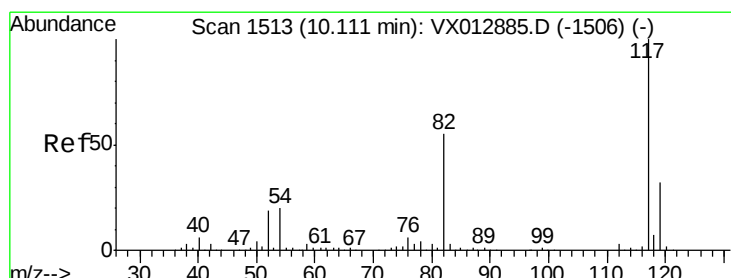
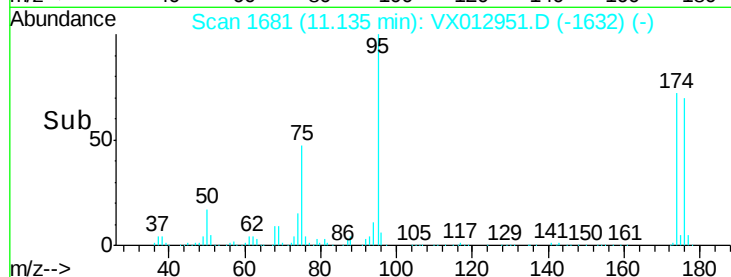
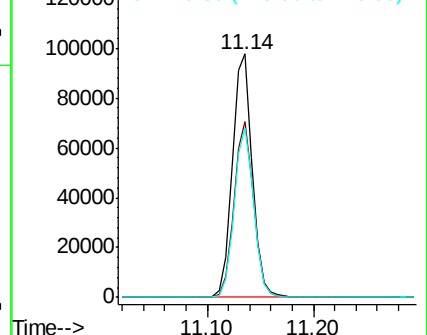
176 68.2 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012951.D

Acq: 09 Oct 2019 18:29

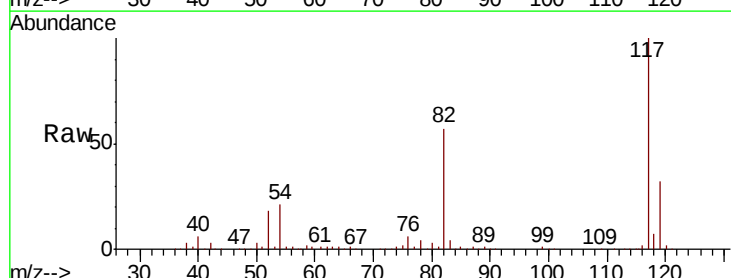
Tgt Ion: 117 Resp: 260376

Ion Ratio Lower Upper

117 100

82 56.9 44.1 66.1

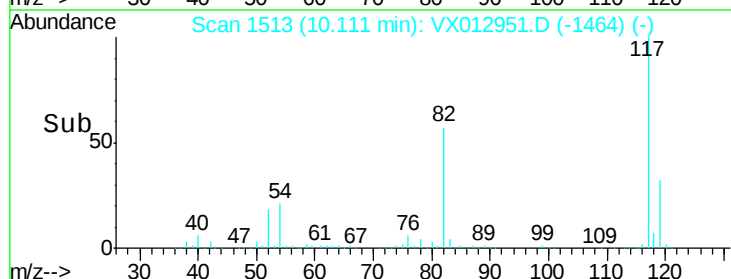
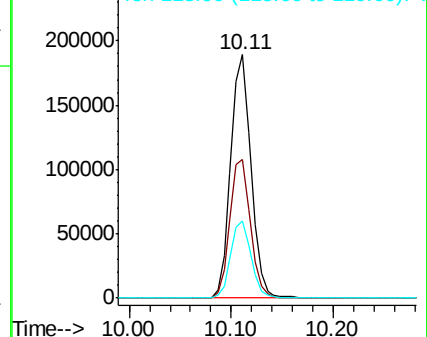
119 31.8 25.8 38.8

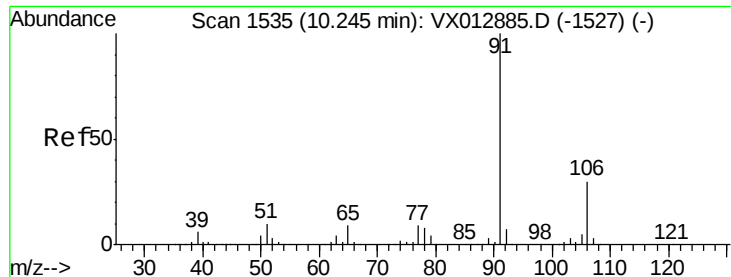


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

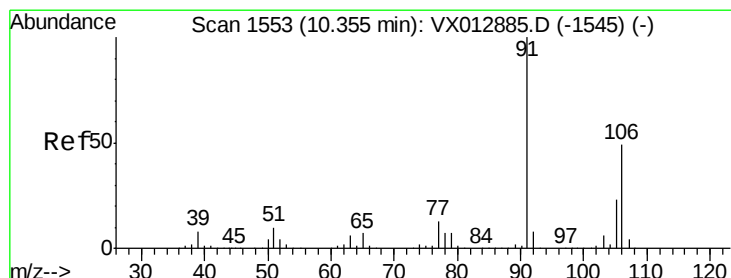
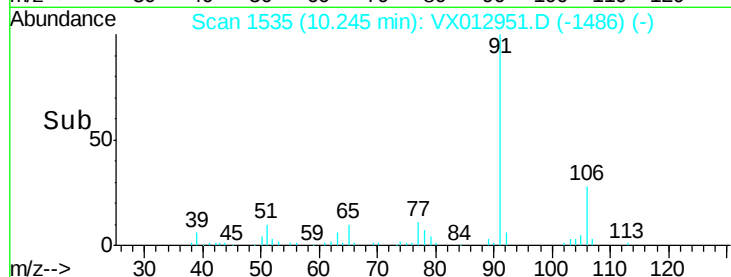
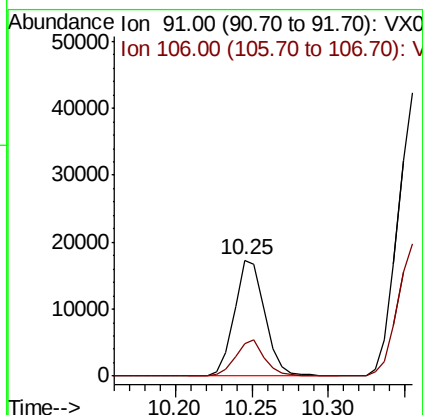
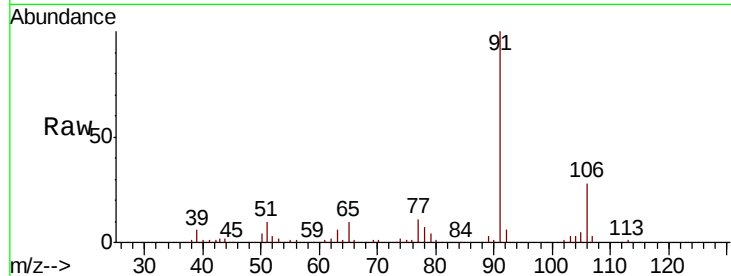




#67
Ethyl Benzene
Concen: 2.599 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

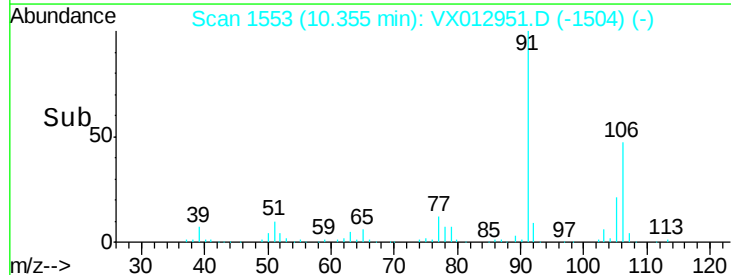
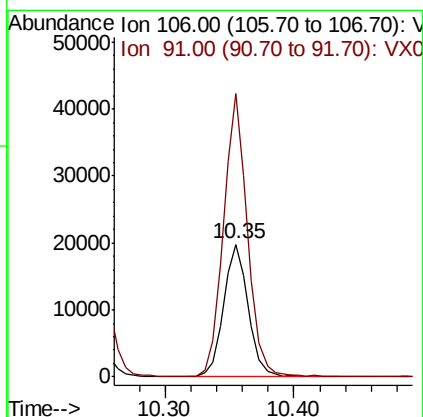
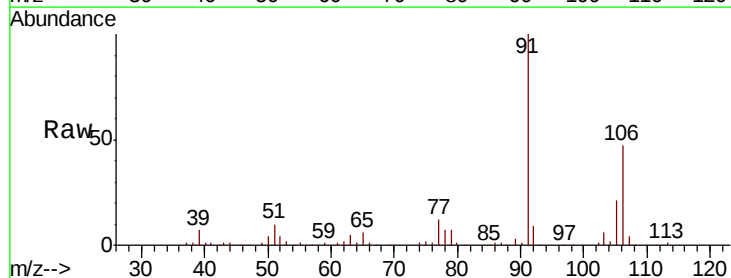
Instrument :
MSVOA_X
ClientSampled :
WC-1

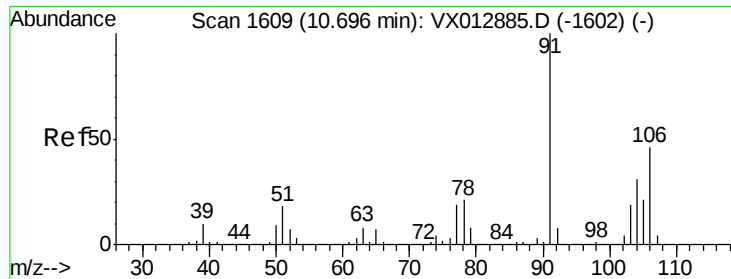
Tot Ion: 91 Resp: 23870
Ion Ratio Lower Upper
91 100
106 27.7 23.9 35.9



#68
m/p-Xylenes
Concen: 7.771 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

Tgt Ion: 106 Resp: 26665
Ion Ratio Lower Upper
106 100
91 208.4 165.3 247.9

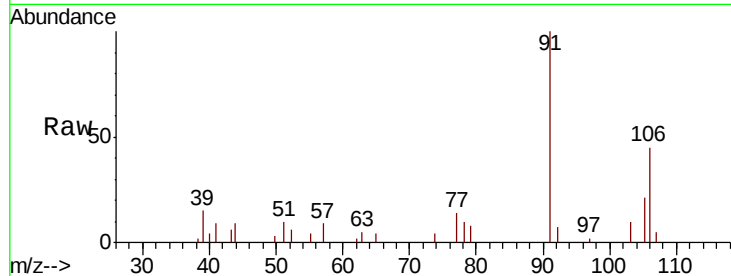




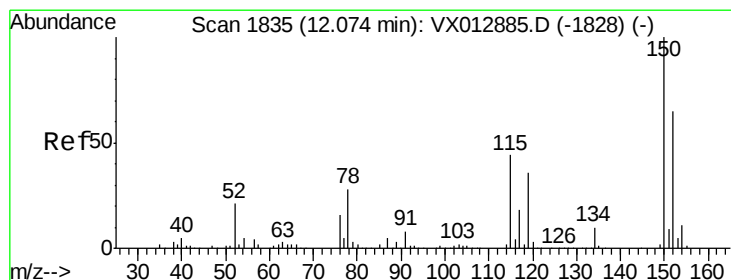
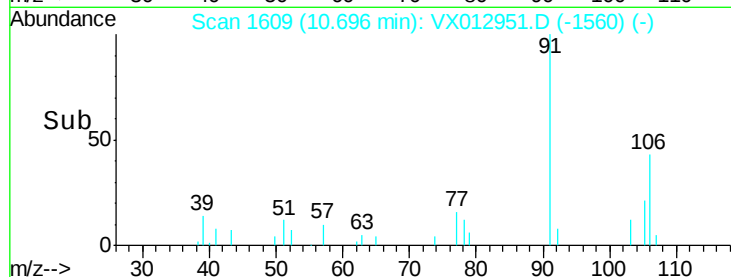
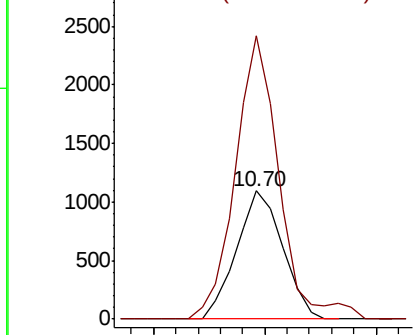
#69
o-Xylene
Concen: 0.472 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

Instrument :
MSVOA_X
ClientSampled :
WC-1

Tot Ion:106 Resp: 1579
Ion Ratio Lower Upper
106 100
91 209.1 109.1 327.3

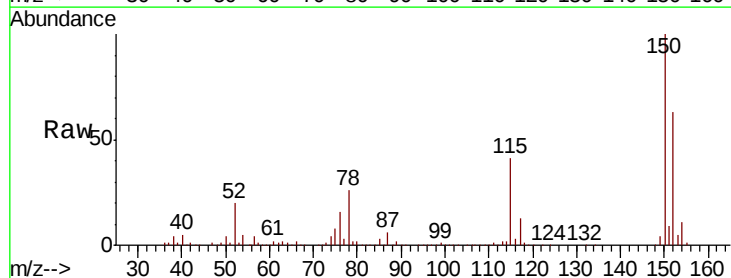


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

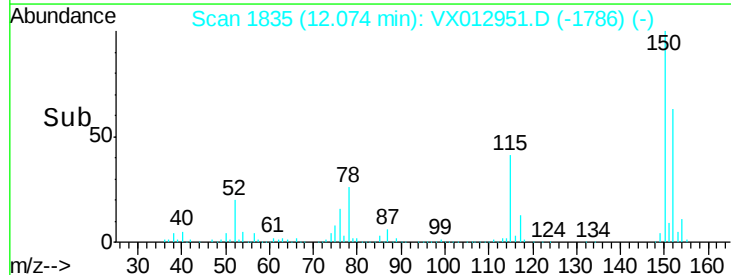
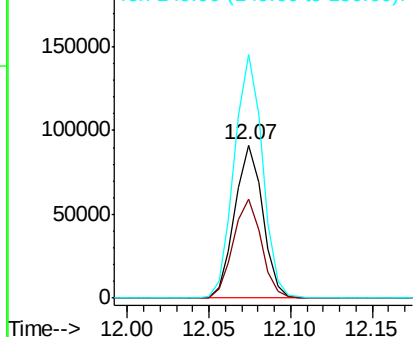


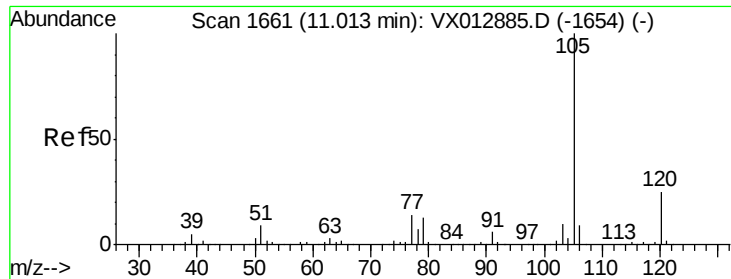
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

Tgt Ion:152 Resp: 109834
Ion Ratio Lower Upper
152 100
115 65.0 44.5 133.5
150 160.0 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 6.378 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012951.D

Acq: 09 Oct 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

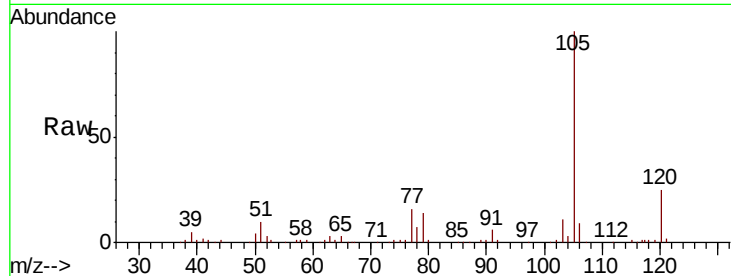
WC-1

Tot Ion:105 Resp: 51507

Ion Ratio Lower Upper

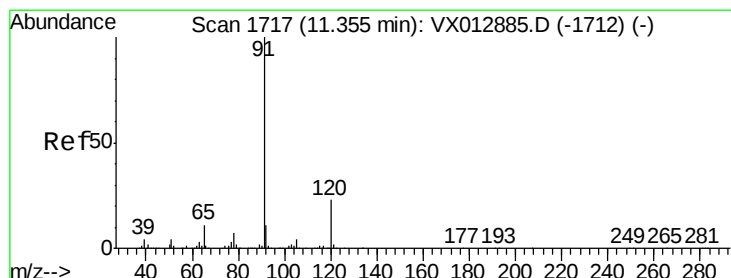
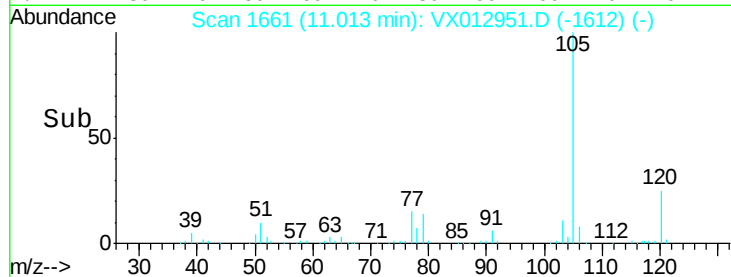
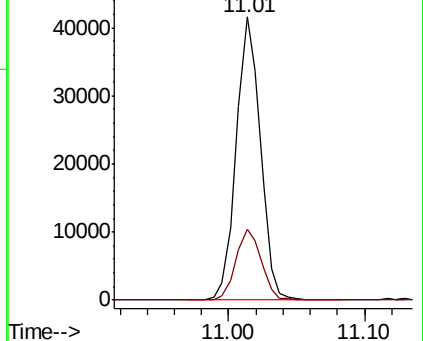
105 100

120 26.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 3.153 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012951.D

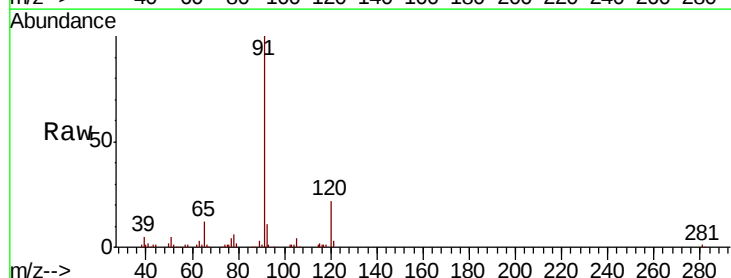
Acq: 09 Oct 2019 18:29

Tgt Ion: 91 Resp: 28016

Ion Ratio Lower Upper

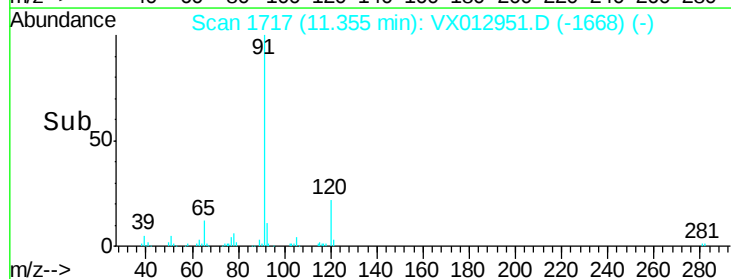
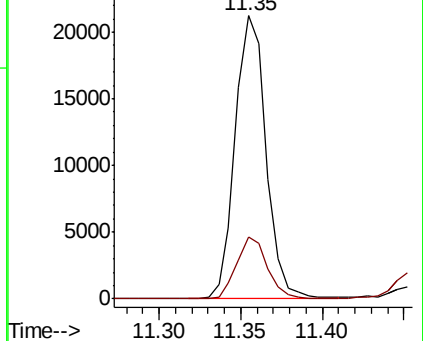
91 100

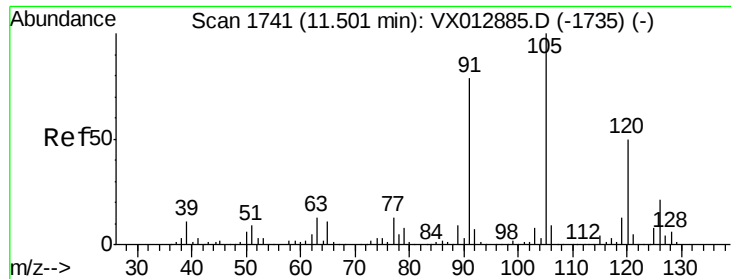
120 21.8 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

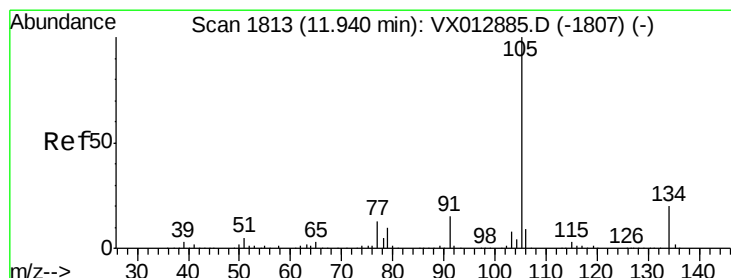
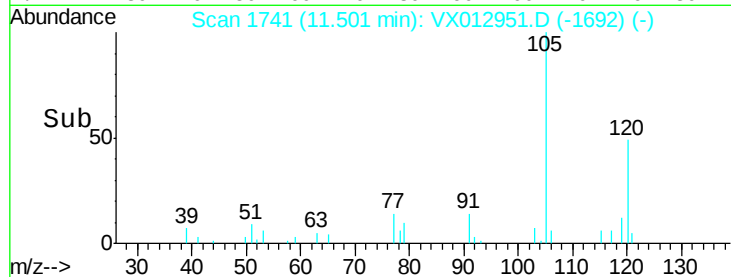
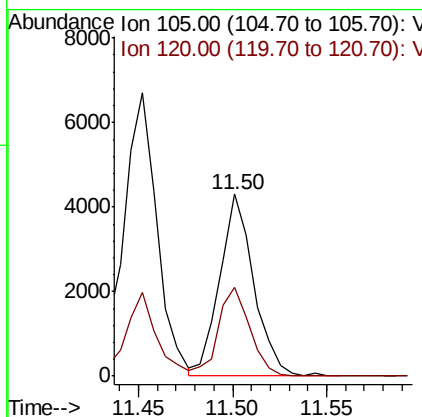
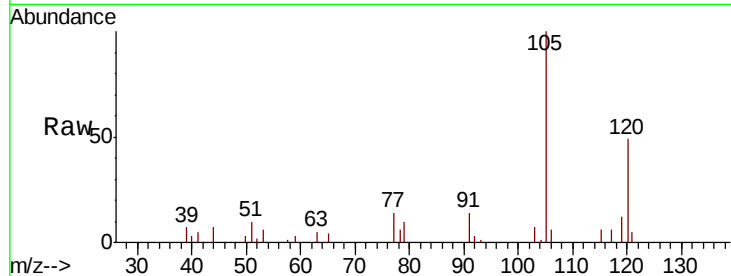




#80
 1,3,5-Trimethylbenzene
 Concen: 0.802 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX012951.D
 Acq: 09 Oct 2019 18:29

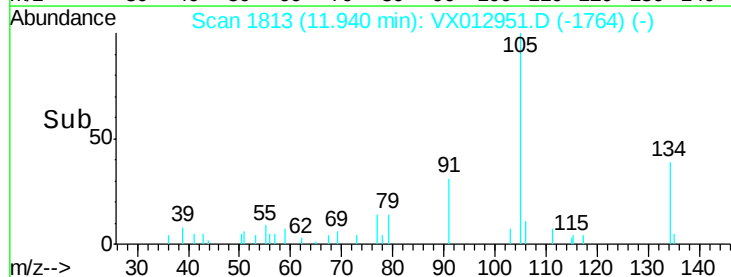
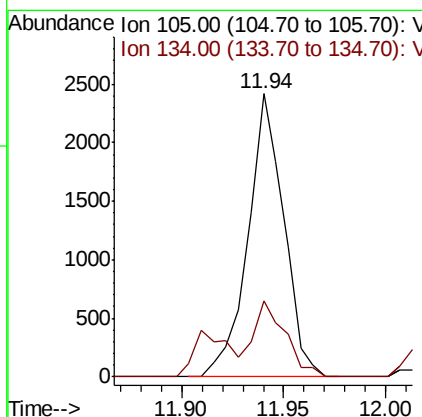
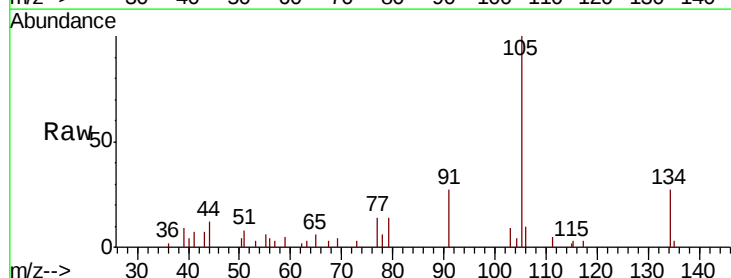
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

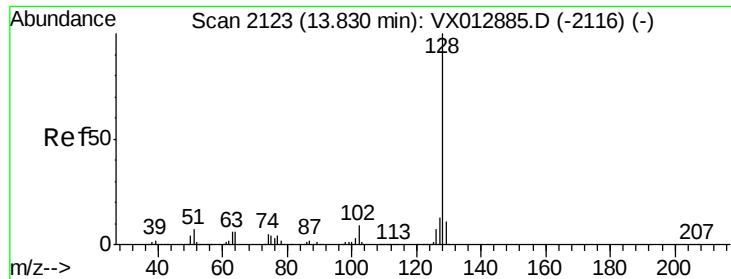
Tot Ion:105 Resp: 5407
 Ion Ratio Lower Upper
 105 100
 120 45.2 24.8 74.3



#85
 sec-Butylbenzene
 Concen: 0.387 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012951.D
 Acq: 09 Oct 2019 18:29

Tgt Ion:105 Resp: 2951
 Ion Ratio Lower Upper
 105 100
 134 24.0 10.0 30.0

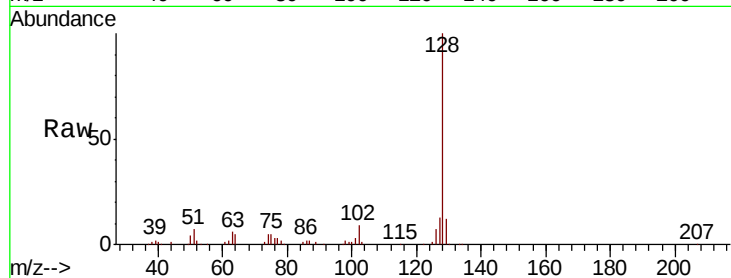




#95
Naphthalene
Concen: 5.018 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012951.D
Acq: 09 Oct 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.4
129	10.9	8.8	13.2



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

