

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005641.D
 Acq On : 27 Oct 2018 08:14
 Operator : JC/MD
 Sample : J5690-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

Manual Integrations
 APPROVED

MMDadoda
 10/29/2018 12:41:30 PM

Quant Time: Oct 29 09:41:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	244042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	343552	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	291959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149842	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	147624	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
35) Dibromofluoromethane	5.51	113	110089	47.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.64%	
50) Toluene-d8	8.71	98	390537	46.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	11.14	95	141362	44.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.56%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	6805	4.323	ug/l #	88
22) Diisopropyl ether	3.87	45	15899	1.781	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	3862	1.432	ug/l	97
39) Methylcyclohexane	7.46	83	2207	0.599	ug/l	91
40) Benzene	6.13	78	18737	1.960	ug/l	94
45) 1,2-Dichloropropane	7.51	63	2774	1.080	ug/l	97
52) Toluene	8.79	92	2984	0.514	ug/l	100
67) Ethyl Benzene	10.25	91	325581	31.830	ug/l	99
68) m/p-Xylenes	10.36	106	3239m	0.816	ug/l	
69) o-Xylene	10.70	106	6266	1.678	ug/l	93
73) Isopropylbenzene	11.02	105	267506	29.205	ug/l	99
78) n-propylbenzene	11.36	91	201487	19.238	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	132550	16.691	ug/l	99
85) sec-Butylbenzene	11.94	105	8952	0.961	ug/l	99
95) Naphthalene	13.83	128	120090	11.735	ug/l	99

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

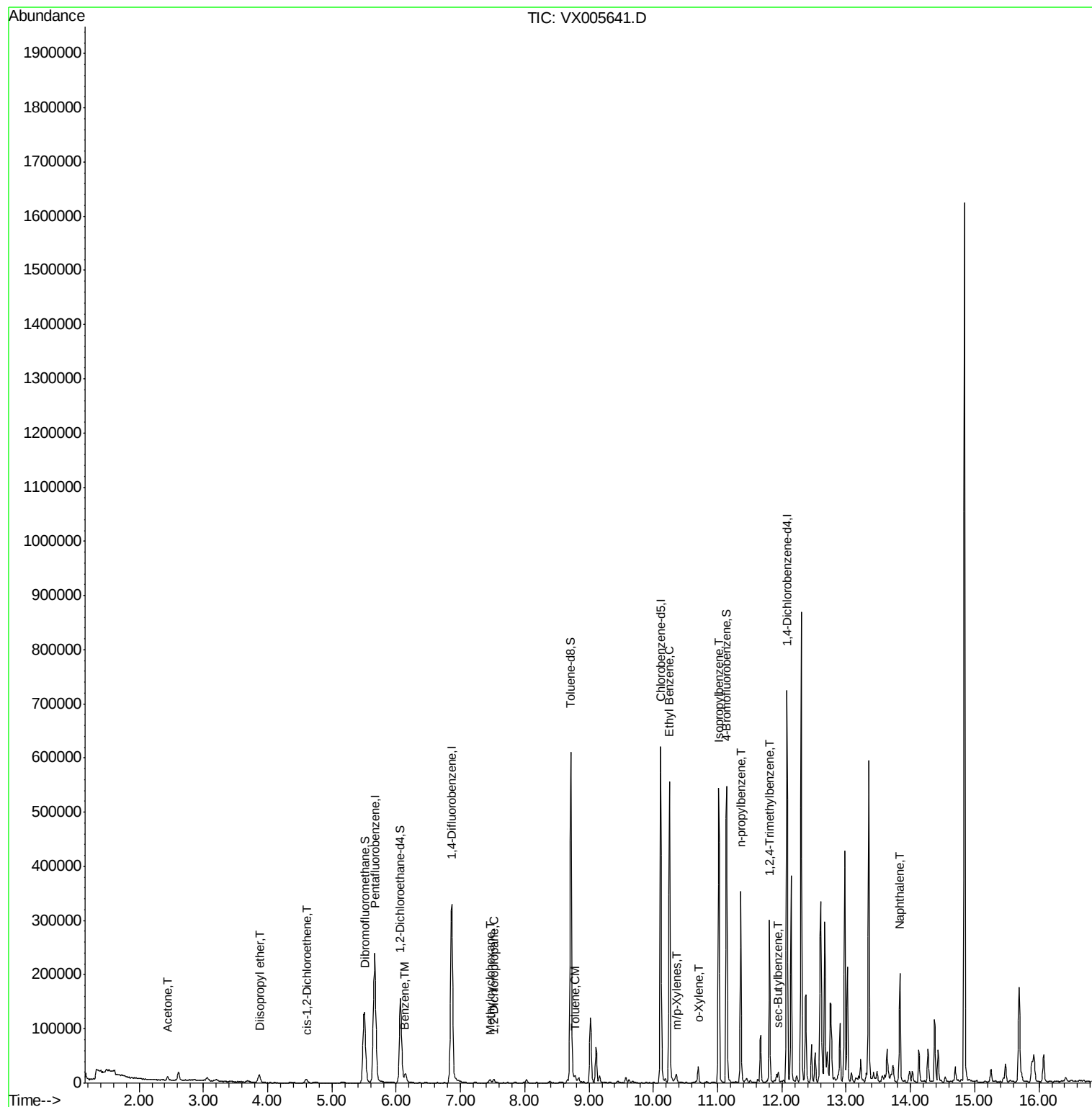
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\
Data File : VX005641.D
Acq On : 27 Oct 2018 08:14
Operator : JC/MD
Sample : J5690-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 46 Sample Multiplier: 1

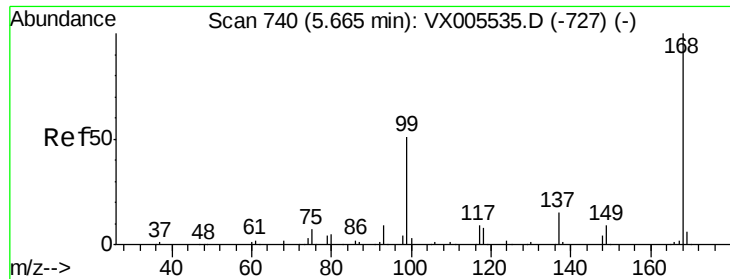
Instrument :
MSVOA_X
ClientSampleId :
MW-15

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Quant Time: Oct 29 09:41:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

Instrument :

MSVOA_X

ClientSampled :

MW-15

Tot Ion:168 Resp: 244042

Ion Ratio Lower Upper

168 100

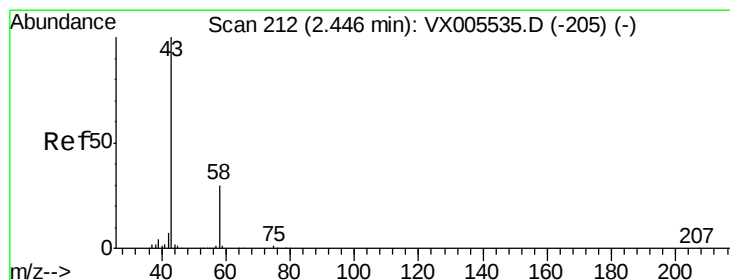
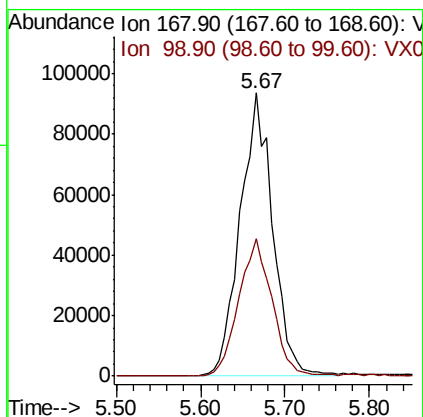
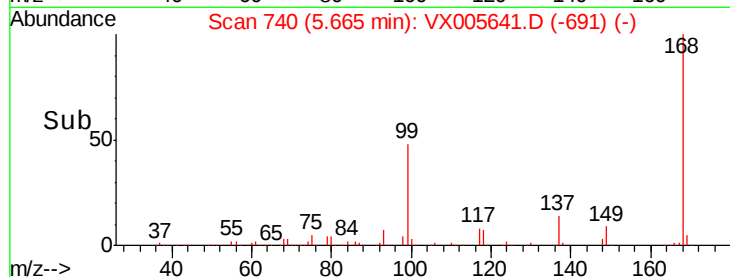
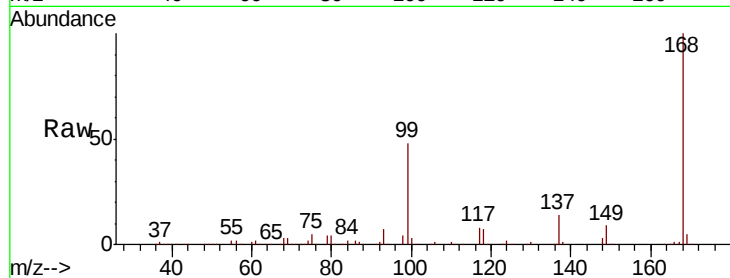
99 48.5 40.7 61.1

Manual Integrations

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10/29/2018 12:41:30 PM



#16

Acetone

Concen: 4.323 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005641.D

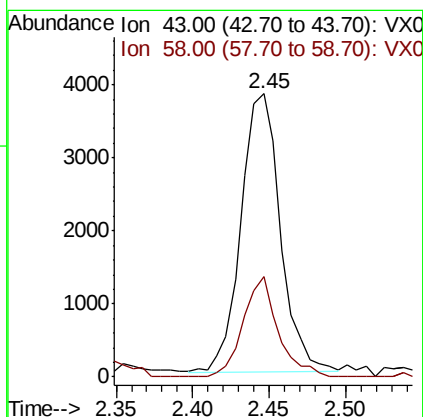
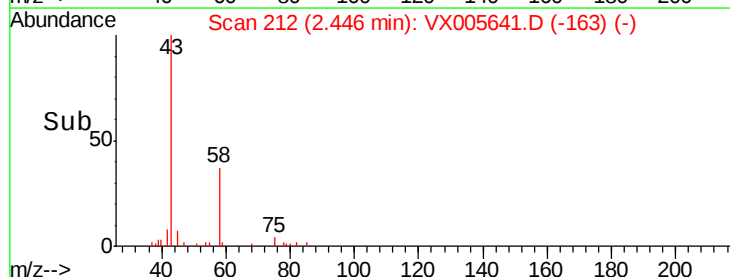
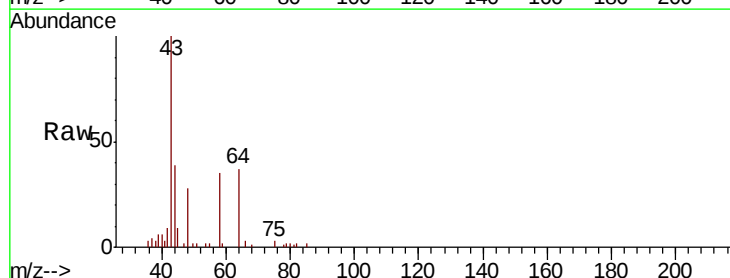
Acq: 27 Oct 2018 08:14

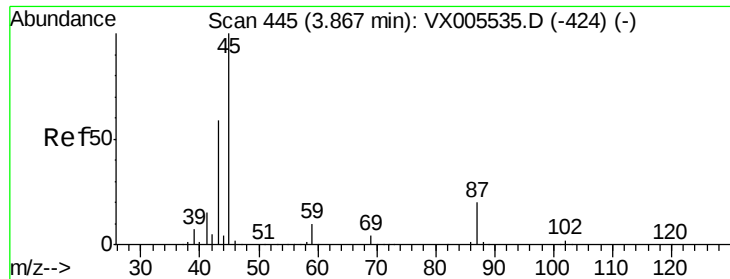
Tgt Ion: 43 Resp: 6805

Ion Ratio Lower Upper

43 100

58 36.1 23.8 35.6#





#22

Diisopropyl ether

Concen: 1.781 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

Instrument :

MSVOA_X

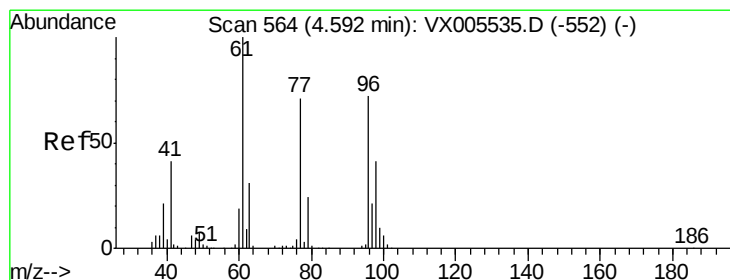
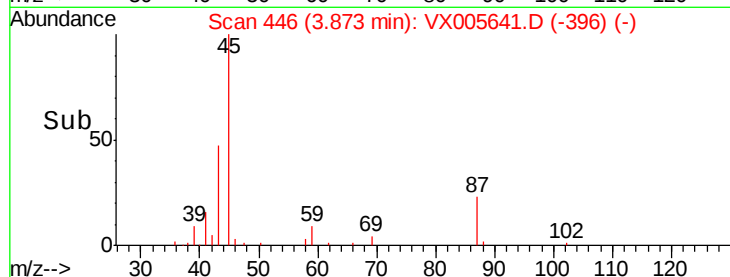
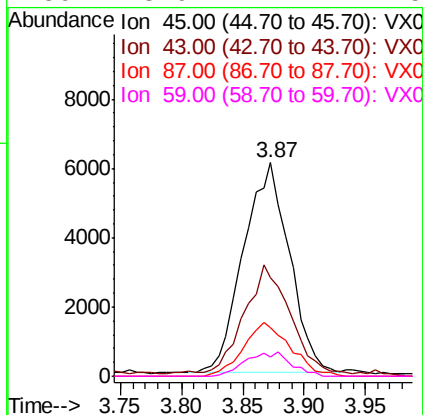
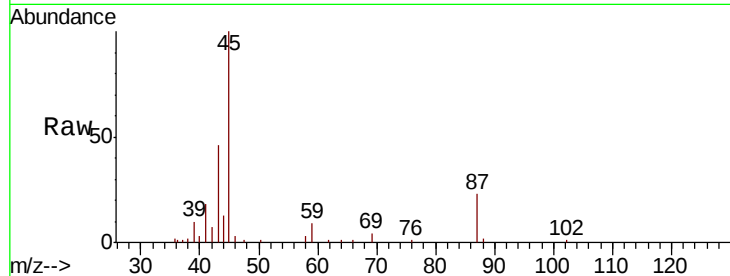
ClientSampleId :

MW-15

Tot Ion:	45	Resp:	15899
Ion	Ratio	Lower	Upper
45	100		
43	44.4	47.4	71.2#
87	22.9	15.9	23.9
59	8.9	7.7	11.5

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10/29/2018 12:41:30 PM



#27

cis-1,2-Dichloroethene

Concen: 1.432 ug/l

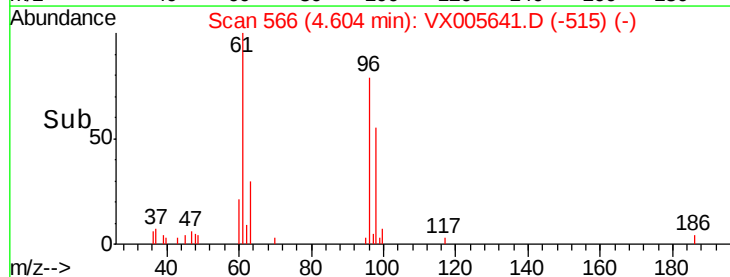
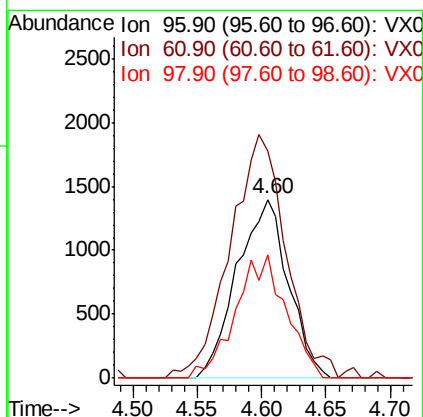
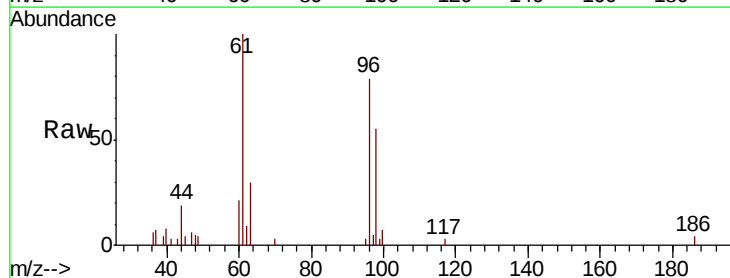
RT: 4.60 min Scan# 566

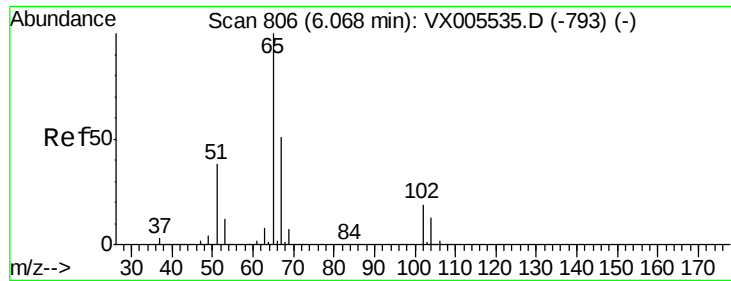
Delta R.T. 0.01 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

Tgt Ion:	96	Resp:	3862
Ion	Ratio	Lower	Upper
96	100		
61	148.8	0.0	304.6
98	67.9	0.0	127.4





#33

1,2-Dichloroethane-d4

Concen: 49.555 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

Instrument :

MSVOA_X

ClientSampleId :

MW-15

Tot Ion: 65 Resp: 147624

Ion Ratio Lower Upper

65 100

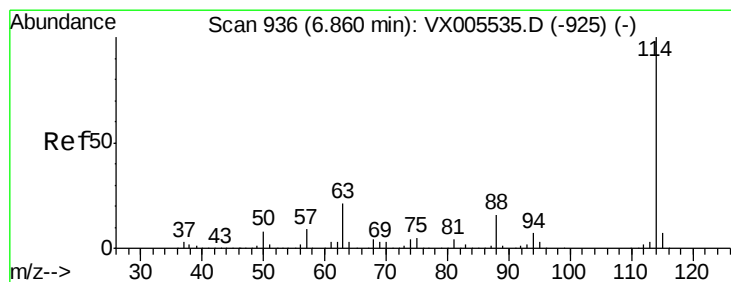
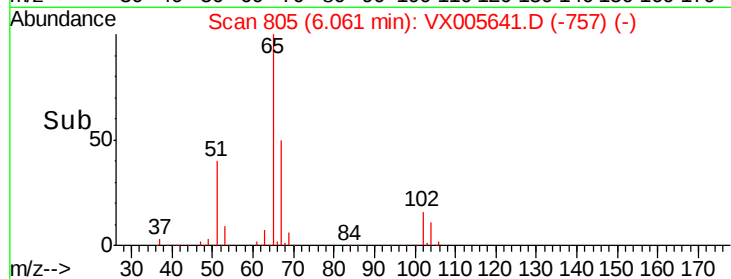
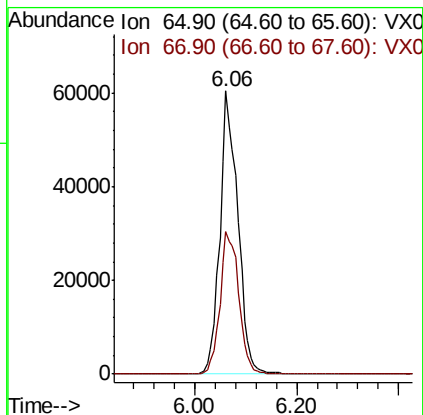
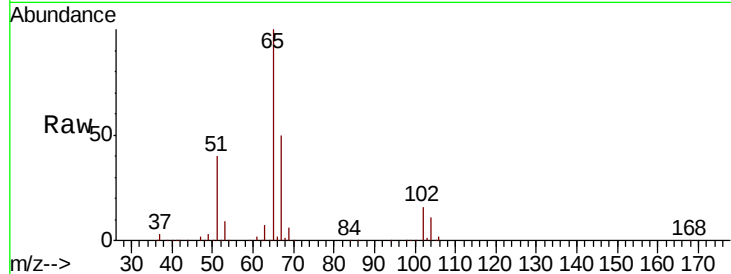
67 52.7 0.0 105.0

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10/29/2018 12:41:30 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

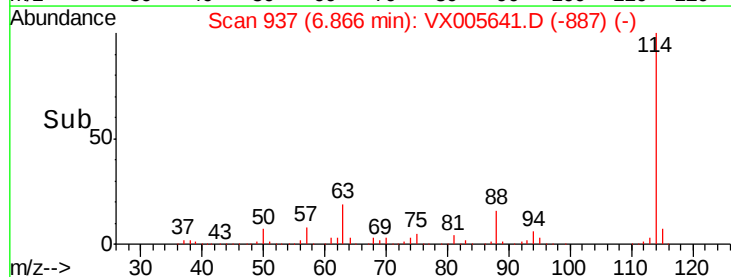
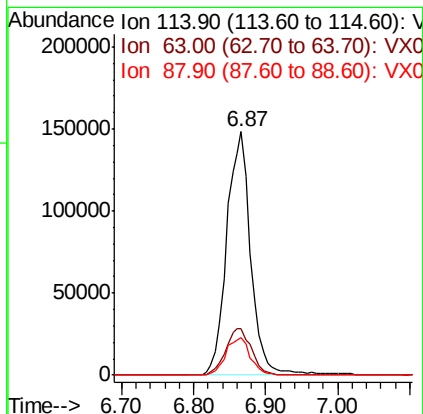
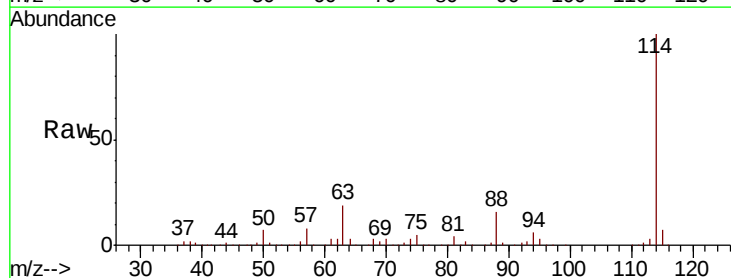
Tgt Ion: 114 Resp: 343552

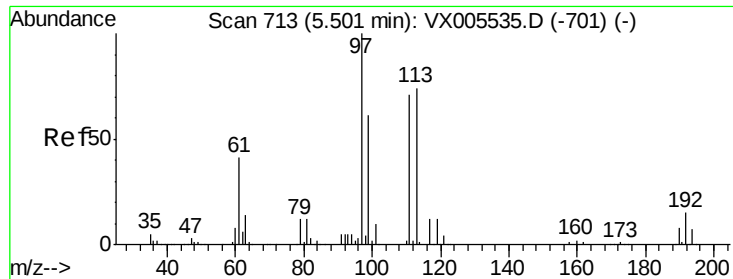
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.8

88 15.5 0.0 31.2





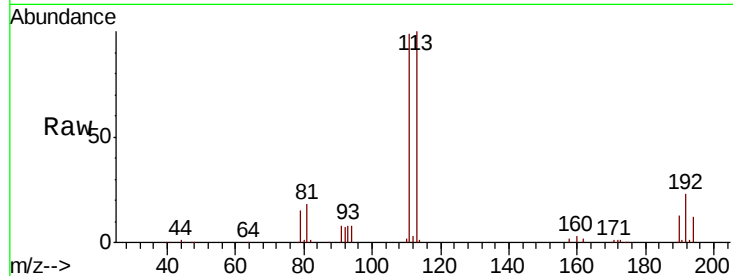
#35
Dibromofluoromethane
Concen: 47.325 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Instrument :
MSVOA_X
ClientSampled :
MW-15

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.3	123.5
192	23.4	17.9	26.9

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10/29/2018 12:41:30 PM

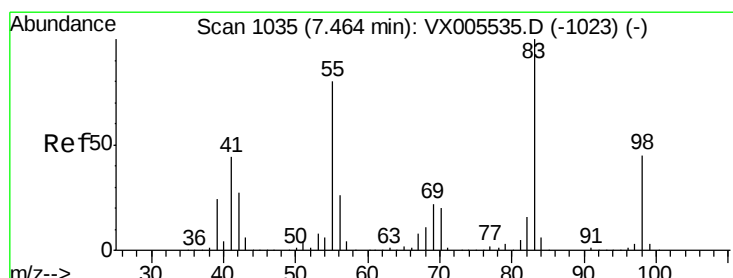
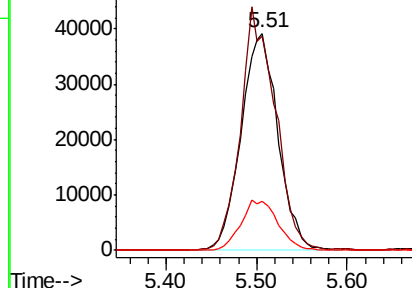
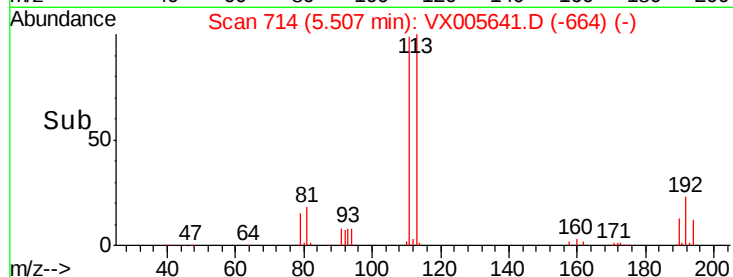


Abundance

Ion 112.80 (112.50 to 113.50): V

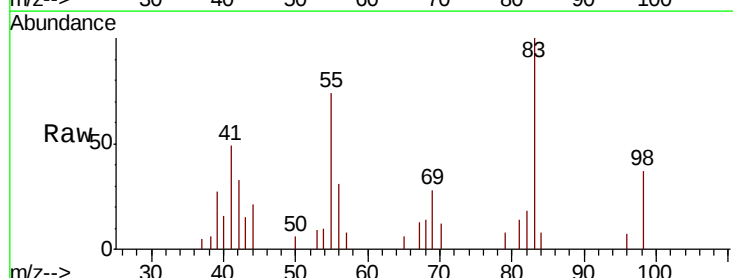
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
Methylcyclohexane
Concen: 0.599 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.6	63.7	95.5
98	36.8	36.2	54.2

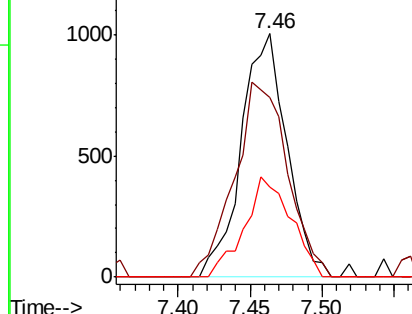
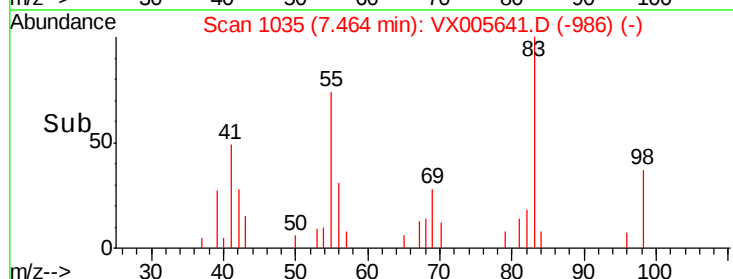


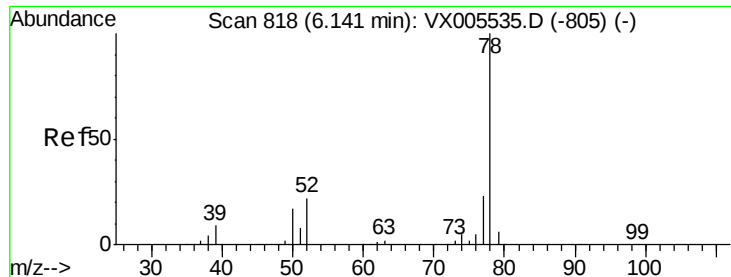
Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.960 ug/l

RT: 6.13 min Scan# 817

Delta R.T. -0.01 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

Instrument :

MSVOA_X

ClientSampled :

MW-15

Tot Ion: 78 Resp: 18737

Ion Ratio Lower Upper

78 100

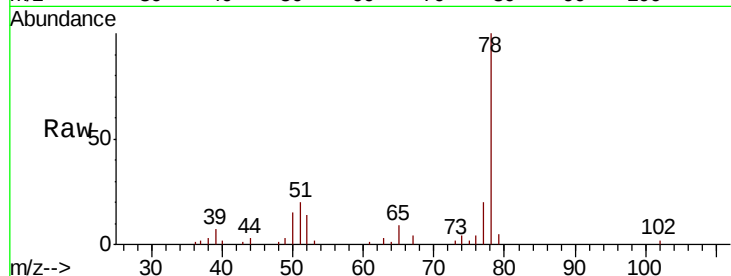
77 20.3 18.4 27.6

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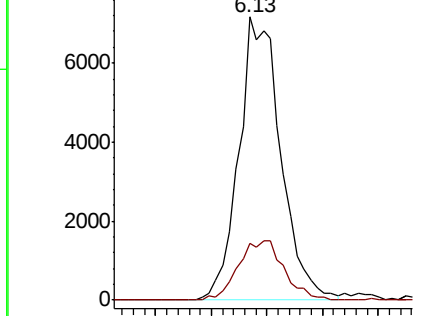
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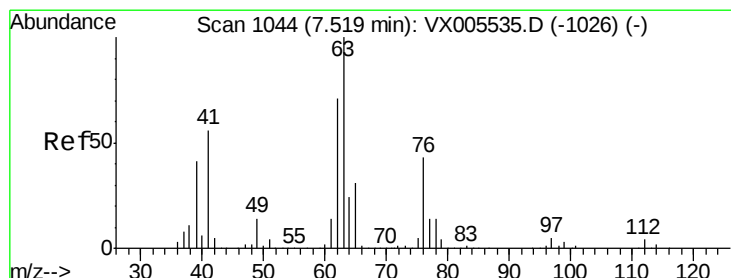
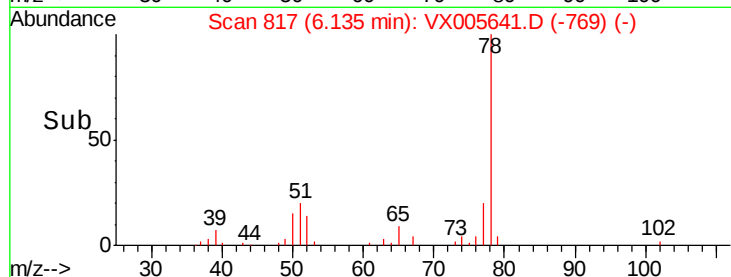


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time-->



#45

1,2-Dichloropropane

Concen: 1.080 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005641.D

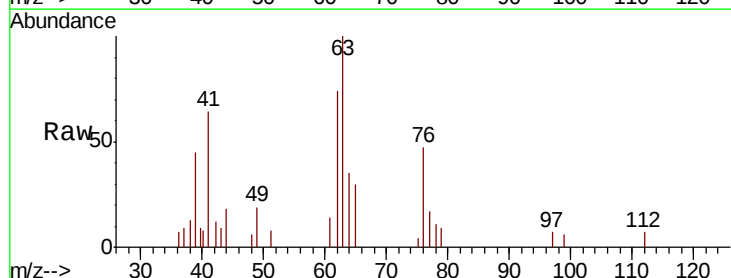
Acq: 27 Oct 2018 08:14

Tgt Ion: 63 Resp: 2774

Ion Ratio Lower Upper

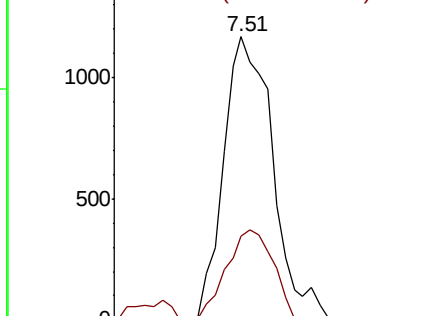
63 100

65 29.5 24.8 37.2

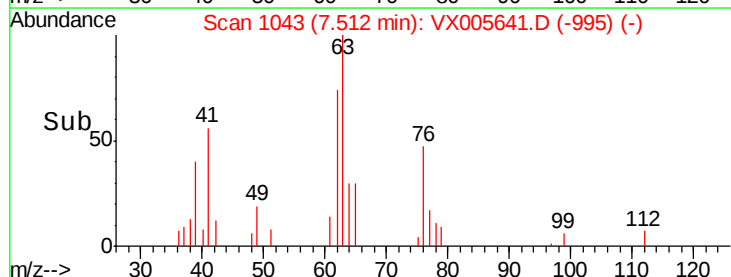


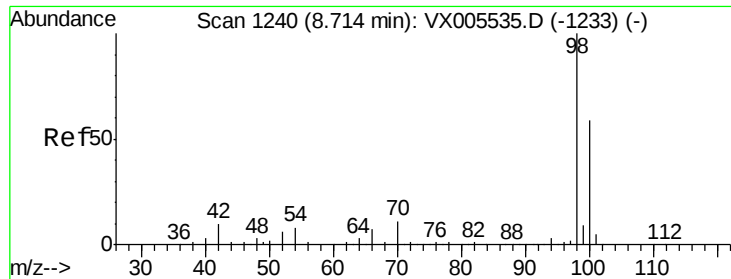
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



Time-->





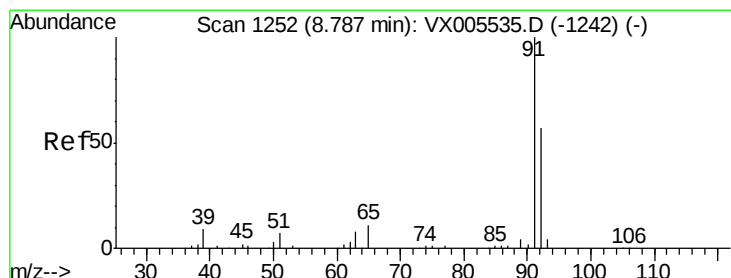
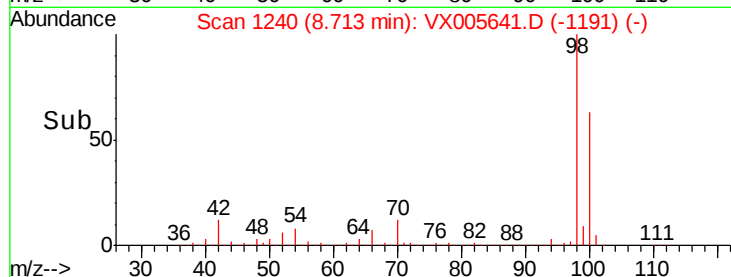
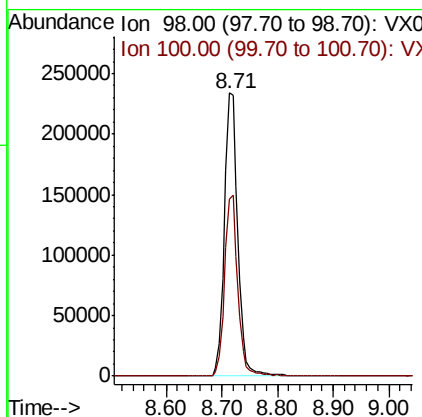
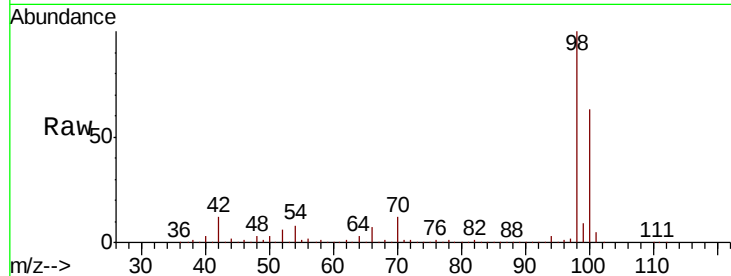
#50
Toluene-d8
Concen: 46.722 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Instrument :
MSVOA_X
ClientSampled :
MW-15

Tot Ion: 98 Resp: 390537
Ion Ratio Lower Upper
98 100
100 63.0 51.3 76.9

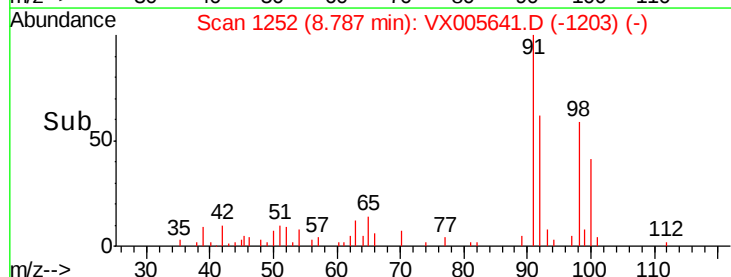
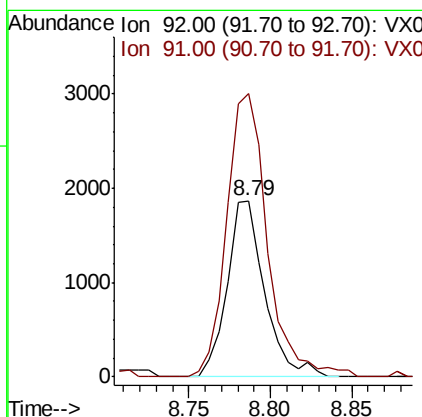
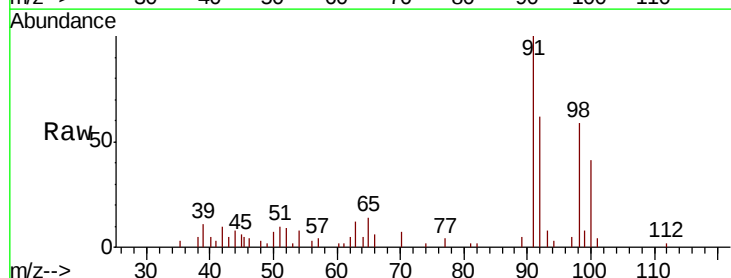
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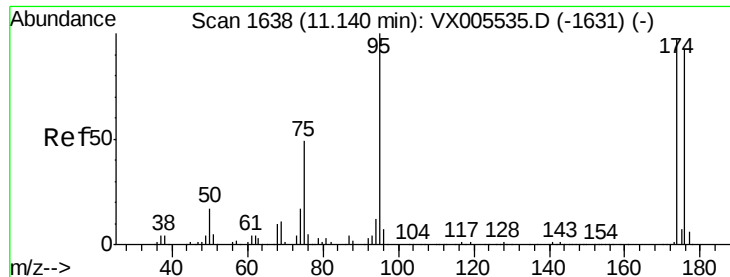
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10/29/2018 12:41:30 PM



#52
Toluene
Concen: 0.514 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Tgt Ion: 92 Resp: 2984
Ion Ratio Lower Upper
92 100
91 175.3 140.4 210.6





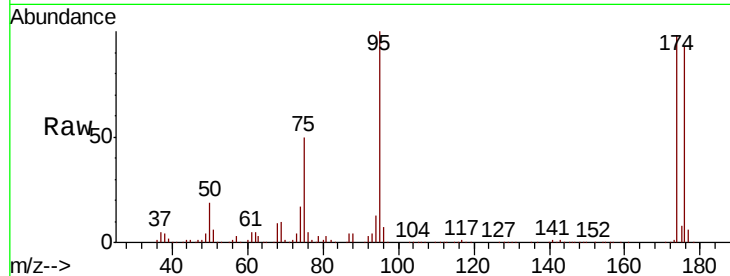
#62
4-Bromofluorobenzene
Concen: 44.783 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Instrument :
MSVOA_X
ClientSampleId :
MW-15

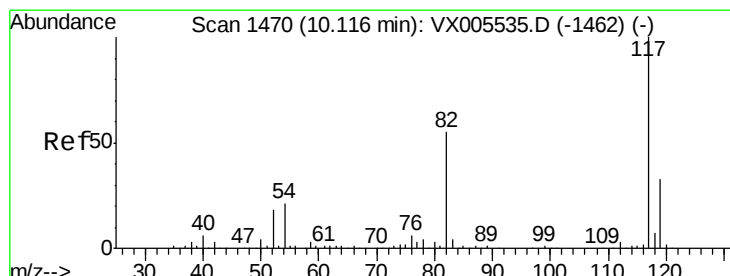
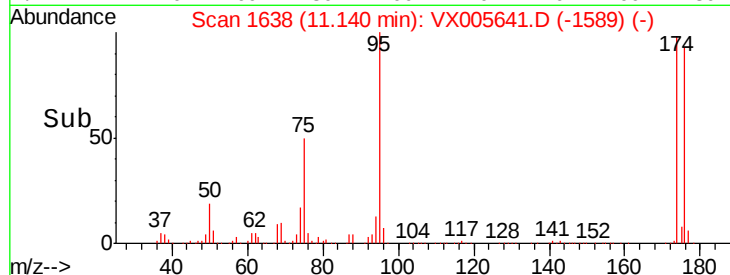
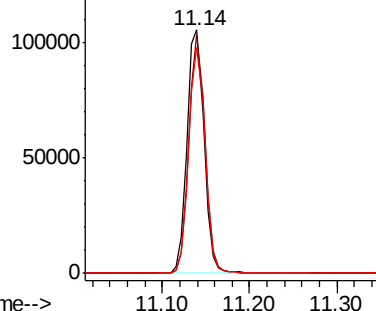
Tot Ion	Ratio	Resp	Lower	Upper
95	100	141362		
174	92.5	0.0	184.4	
176	89.3	0.0	177.4	

Manual Integrations
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10/29/2018 12:41:30 PM

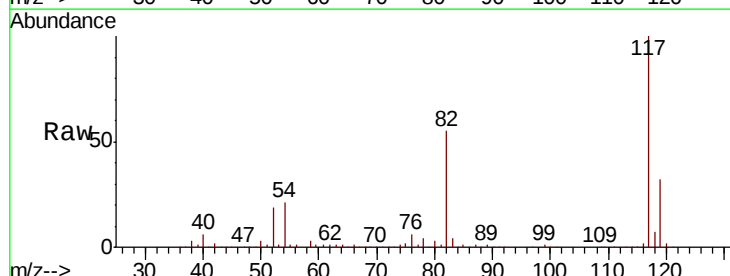


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

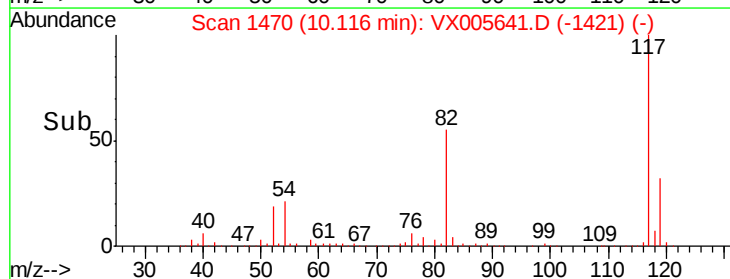
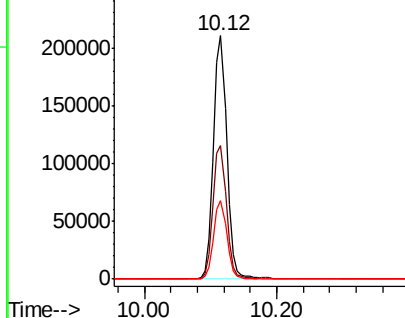


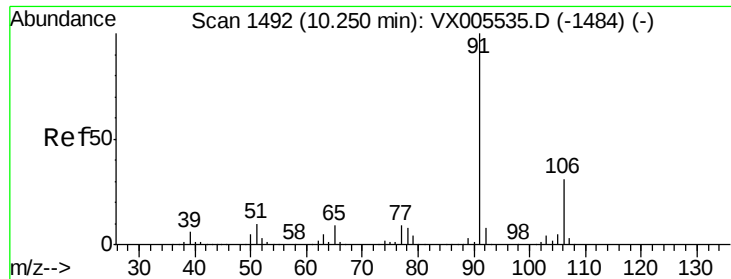
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	291959		
82	54.7	44.1	66.1	
119	32.2	26.2	39.2	



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: 31.830 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

Instrument :

MSVOA_X

ClientSampled :

MW-15

Tot Ion: 91 Resp: 32581

Ion Ratio Lower Upper

91 100

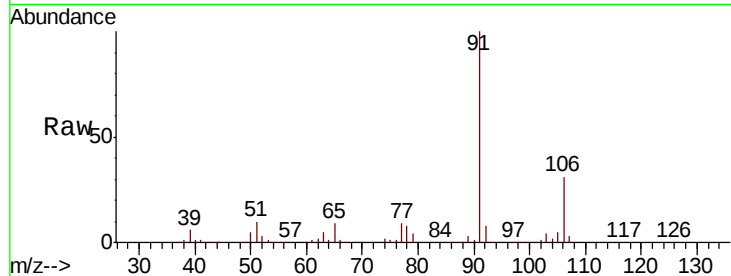
106 30.9 24.4 36.6

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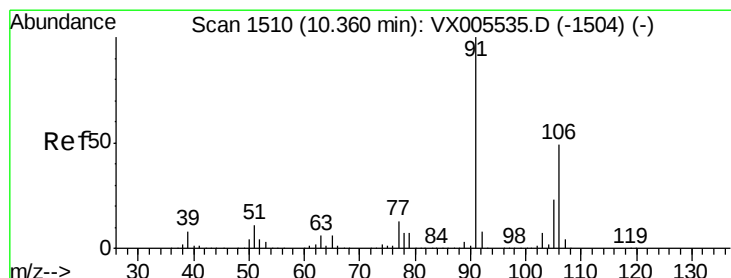
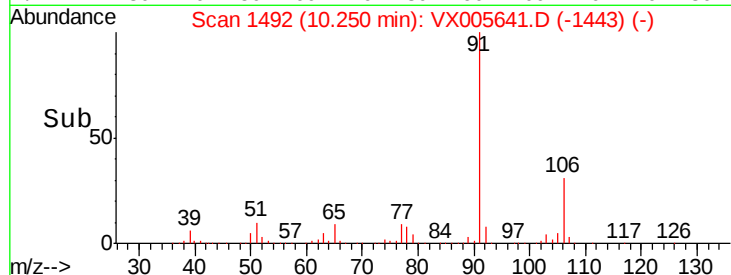
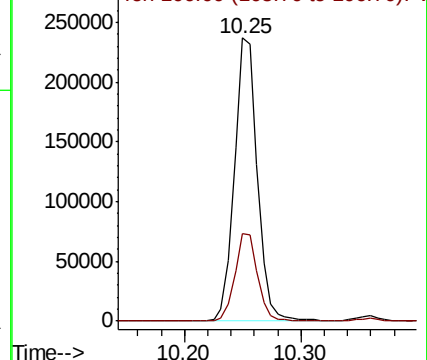
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 0.816 ug/l m

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005641.D

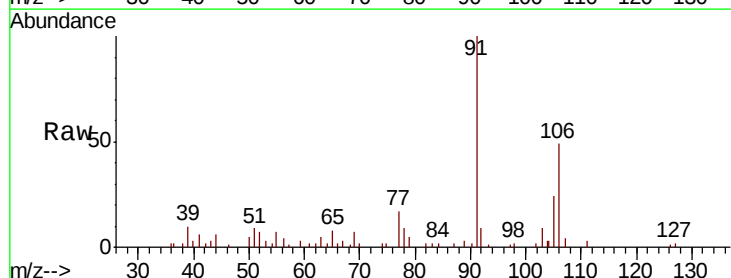
Acq: 27 Oct 2018 08:14

Tgt Ion: 106 Resp: 3239

Ion Ratio Lower Upper

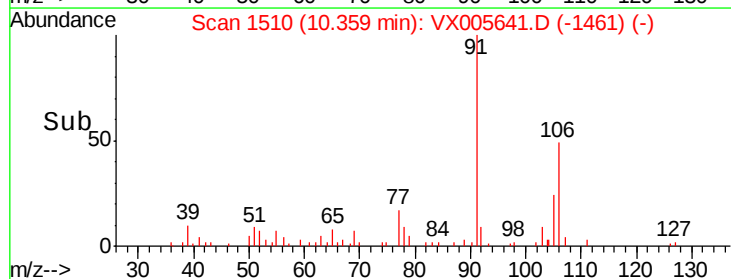
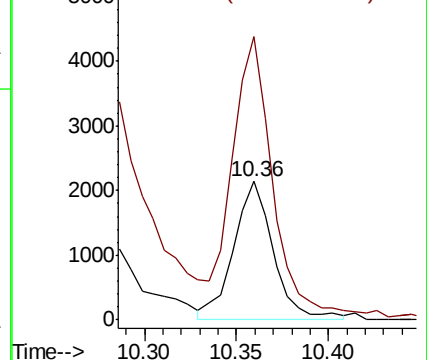
106 100

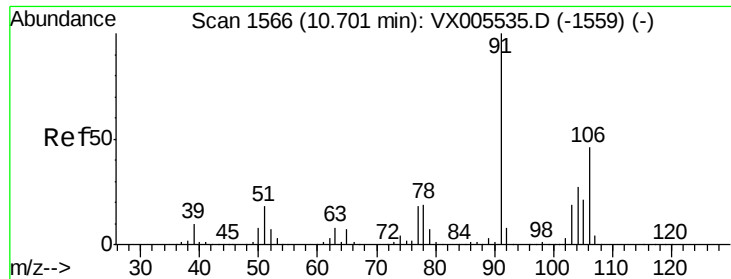
91 10051.9 164.2 246.4#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





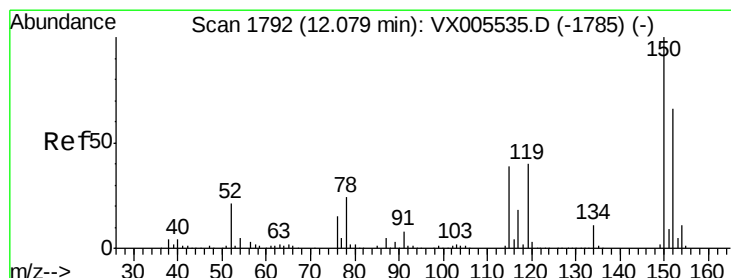
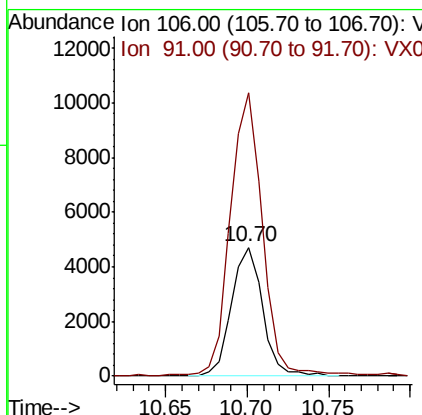
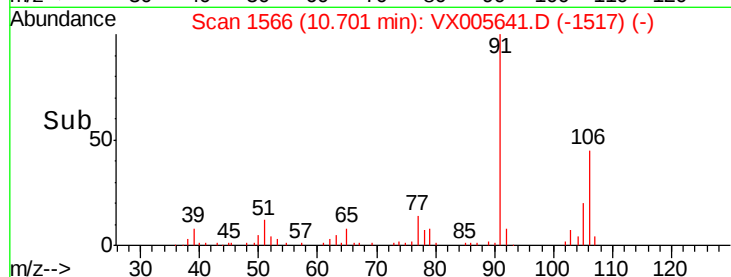
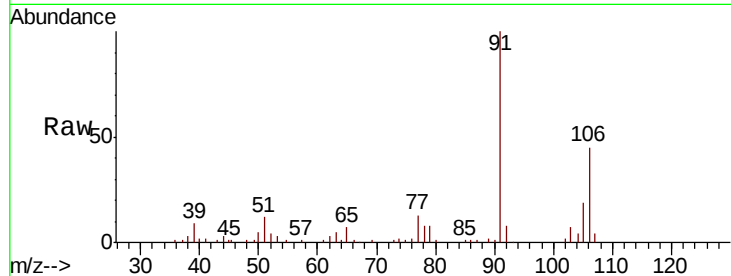
#69
o-Xylene
Concen: 1.678 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Instrument :
MSVOA_X
ClientSampled :
MW-15

Tot Ion:106 Resp: 6266
Ion Ratio Lower Upper
106 100
91 227.9 108.5 325.5

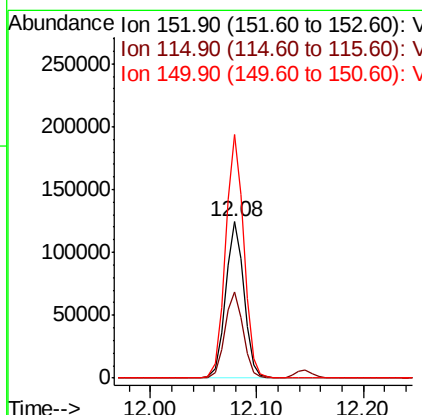
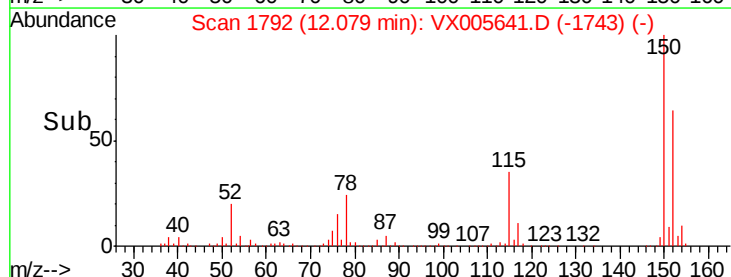
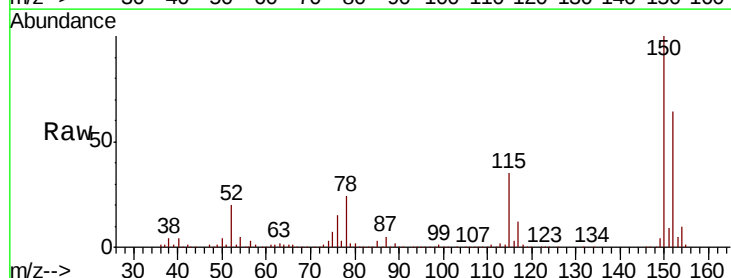
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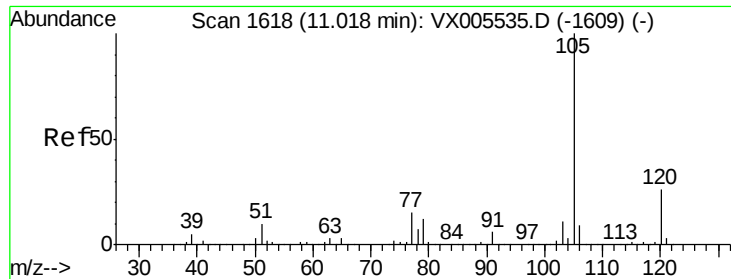
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Tgt Ion:152 Resp: 149842
Ion Ratio Lower Upper
152 100
115 54.9 39.4 118.1
150 155.8 0.0 346.4





#73

Isopropylbenzene

Concen: 29.205 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005641.D

Acq: 27 Oct 2018 08:14

Instrument :

MSVOA_X

ClientSampled :

MW-15

Tot Ion: 105 Resp: 267506

Ion Ratio Lower Upper

105 100

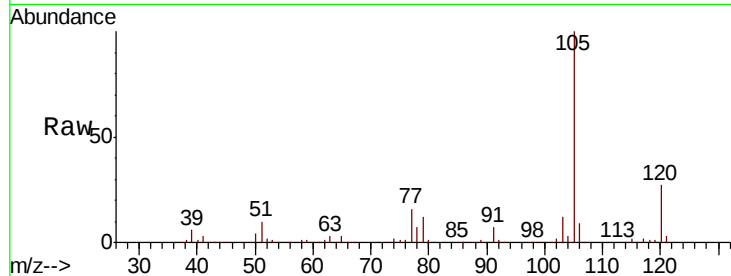
120 26.6 13.1 39.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

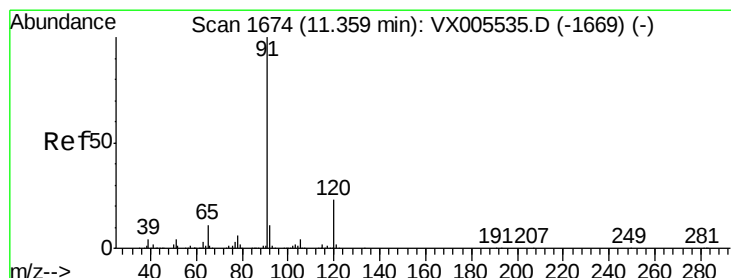
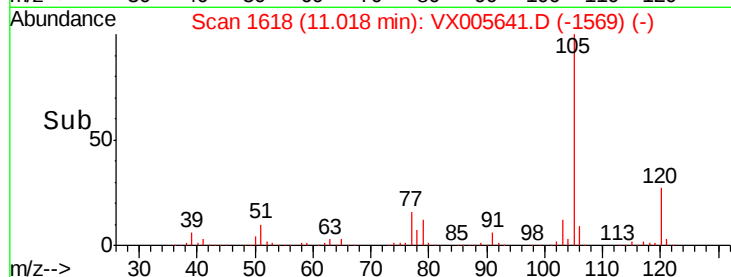
50000

0

11.02

11.00 11.10

Time-->



#78

n-propylbenzene

Concen: 19.238 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005641.D

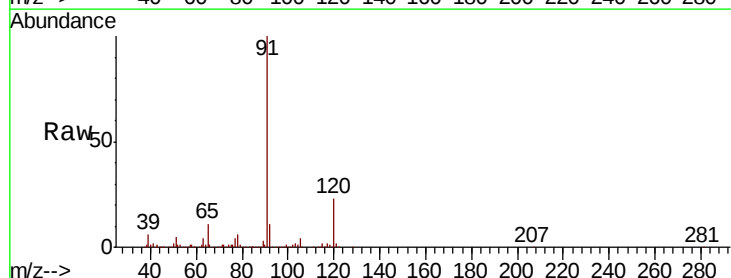
Acq: 27 Oct 2018 08:14

Tgt Ion: 91 Resp: 201487

Ion Ratio Lower Upper

91 100

120 22.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

150000

100000

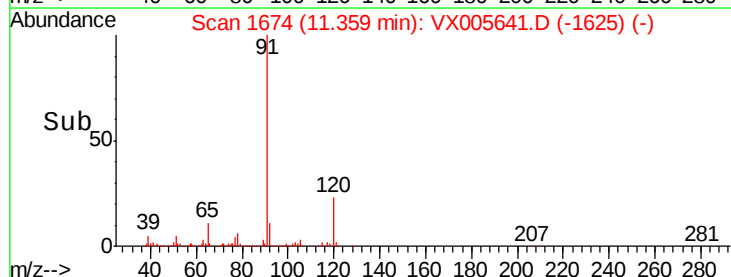
50000

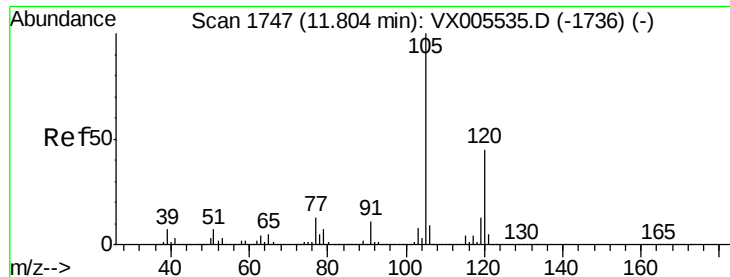
0

11.36

11.30 11.40

Time-->





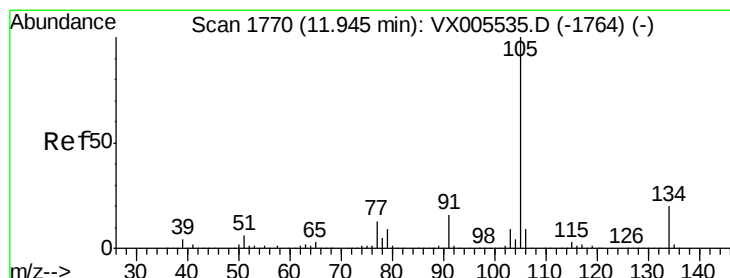
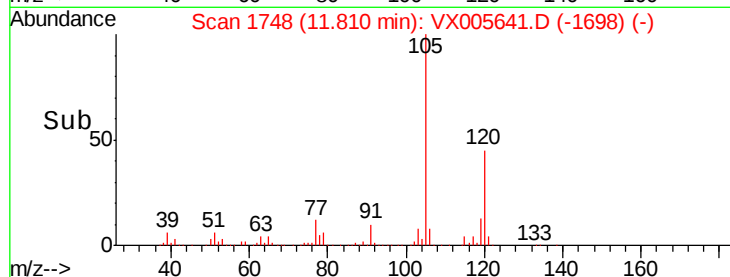
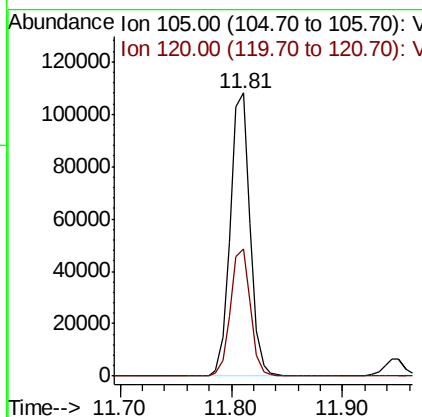
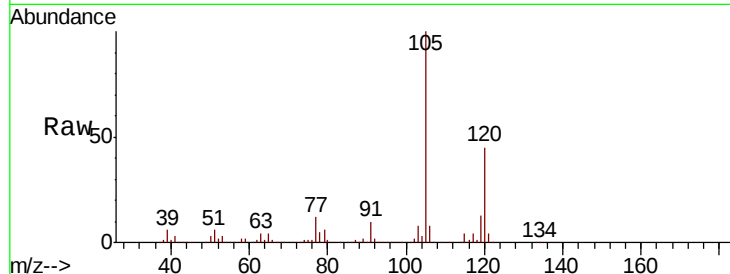
#84
 1,2,4-Trimethylbenzene
 Concen: 16.691 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005641.D
 Acq: 27 Oct 2018 08:14

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15

Tot Ion:105 Resp: 132550
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.4 67.0

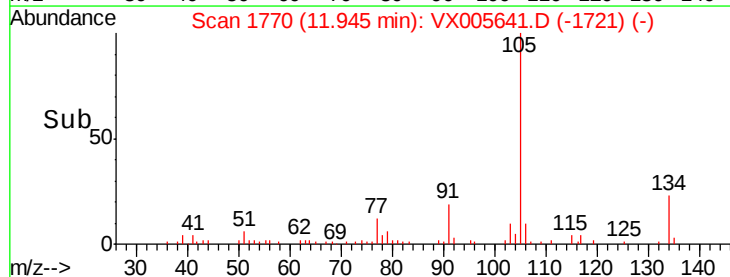
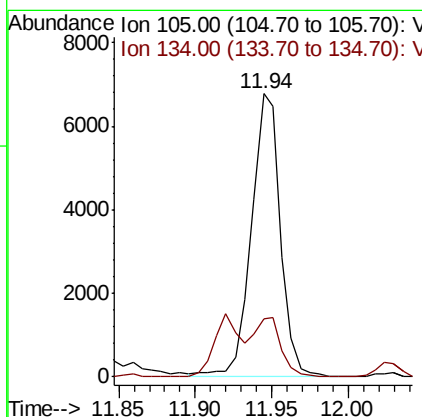
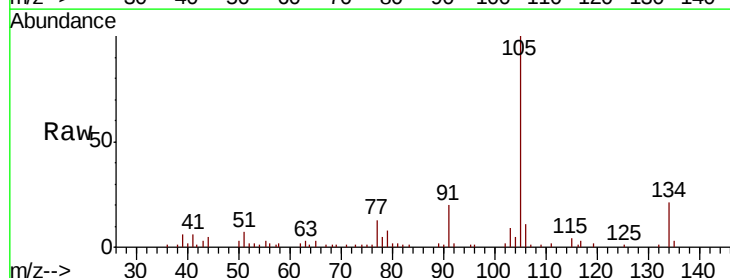
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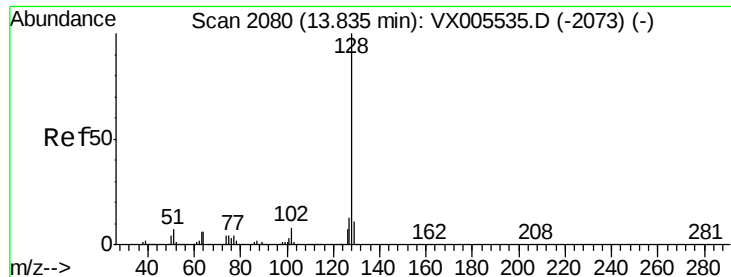
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#85
 sec-Butylbenzene
 Concen: 0.961 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005641.D
 Acq: 27 Oct 2018 08:14

Tgt Ion:105 Resp: 8952
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.2 30.4





#95
Naphthalene
Concen: 11.735 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005641.D
Acq: 27 Oct 2018 08:14

Instrument :
MSVOA_X
ClientSampleId :
MW-15

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.2	10.4	15.6
129	11.4	8.7	13.1

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