

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
 Data File : VX001628.D
 Acq On : 11 May 2018 03:55
 Operator : JC/MD
 Sample : J2766-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAY)

Manual Integrations
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Quant Time: May 11 07:45:45 2018
 Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri May 11 07:16:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	54778	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.87	114	286536	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	252890	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	120832	30.23	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.77%
60) 4-Bromofluorobenzene	11.14	95	118022	29.49	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.30%
63) Toluene-d8	8.72	98	334406	29.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.83%

Target Compounds

						Ovalue
15) Acetone	2.45	58	1098709	2374.96	ug/l	93
16) Carbon Disulfide	2.57	76	9684	1.54	ug/l	100
30) 2-Butanone	4.72	43	54686	23.02	ug/l	100
58) 4-Methyl-2-Pentanone	8.66	43	15013	3.30	ug/l	97
61) Tetrachloroethene	9.34	164	7669	2.08	ug/l	96
62) Toluene	8.79	91	42046	3.46	ug/l	98
66) Ethyl Benzene	10.26	91	5133	0.41	ug/l	96
67) m/p-Xylenes	10.36	106	2401	0.48	ug/l	99
68) o-Xylene	10.71	106	1159	0.23	ug/l	97
69) Styrene	10.72	104	2699	0.33	ug/l	98
79) tert-butylbenzene	12.07	119	240829	21.05	ug/l	99
80) 1,2,4-Trimethylbenzene	11.82	105	17022	1.54	ug/l	54
81) sec-Butylbenzene	11.95	105	7157m	0.57	ug/l	
82) p-Isopropyltoluene	12.07	119	240829	21.05	ug/l	99
91) Naphthalene	13.84	128	7542	0.50	ug/l #	94

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

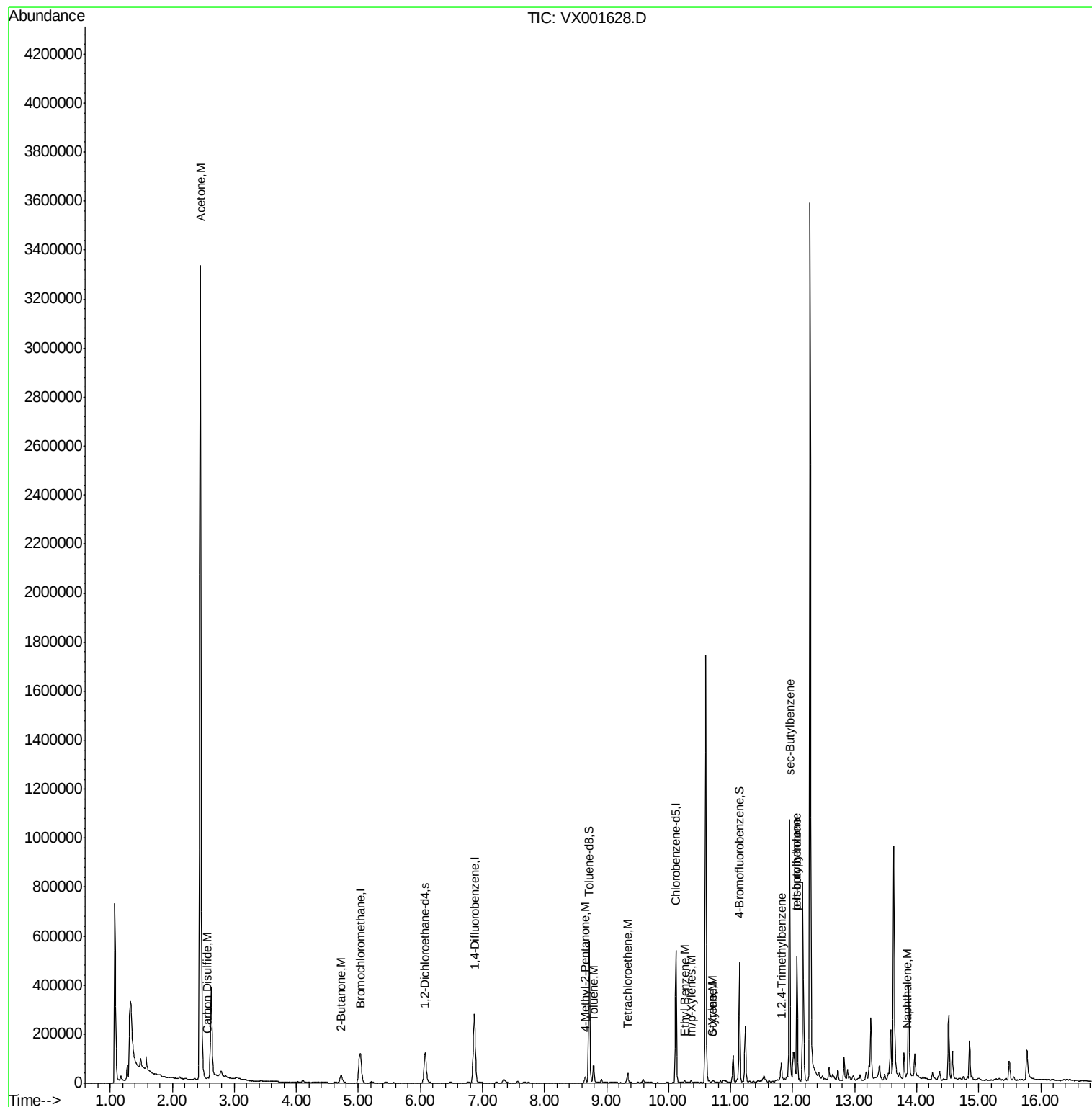
Data Path : W:\HPCHEM1\MSVOA X\DATA\VX051118\
Data File : VX001628.D
Acq On : 11 May 2018 03:55
Operator : JC/MD
Sample : J2766-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 35 Sample Multiplier: 1

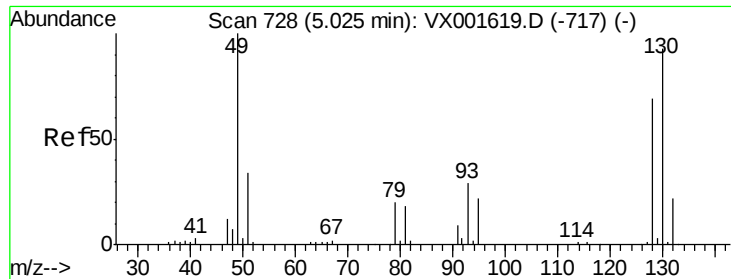
Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAY)

Manual Integrations
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Quant Time: May 11 07:45:45 2018
Quant Method : W:\HPCHEM1\MSVOA X\METHOD\624X051118W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri May 11 07:16:13 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 5.03 min Scan# 728

Delta R.T. 0.00 min

Lab File: VX001628.D

Acq: 11 May 2018 03:55

Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(MAY)

Tot Ion:128 Resp: 54778

Ion Ratio Lower Upper

128 100

49 146.3 0.0 372.0

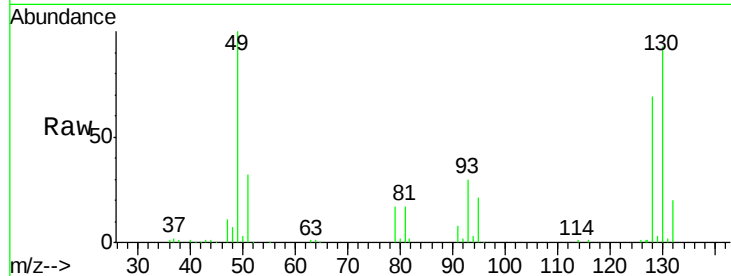
130 129.7 0.0 326.5

Manual Integrations

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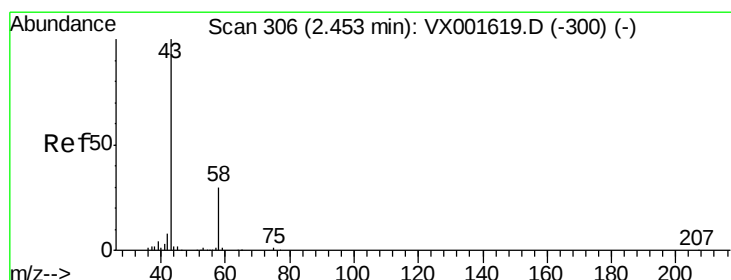
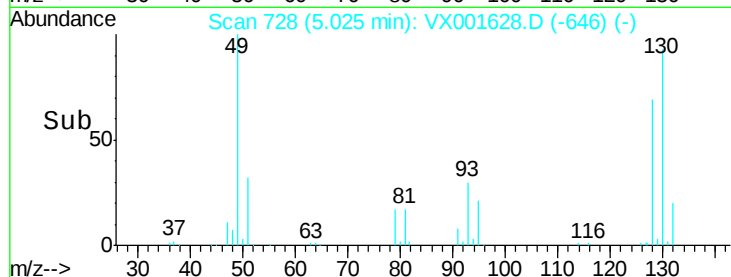
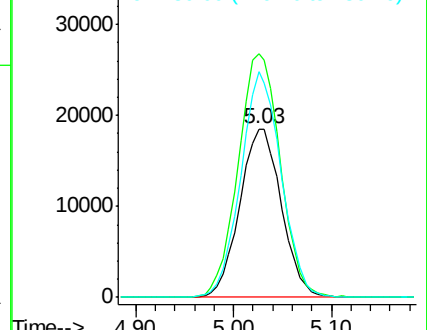
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 2374.96 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001628.D

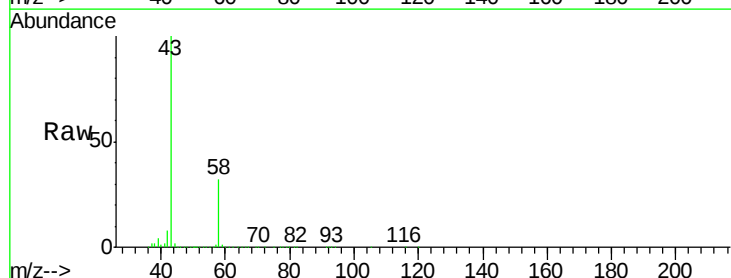
Acq: 11 May 2018 03:55

Tgt Ion: 58 Resp: 1098709

Ion Ratio Lower Upper

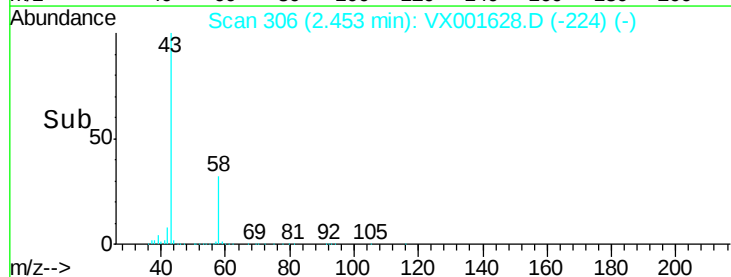
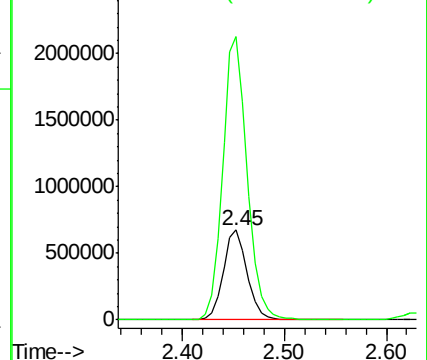
58 100

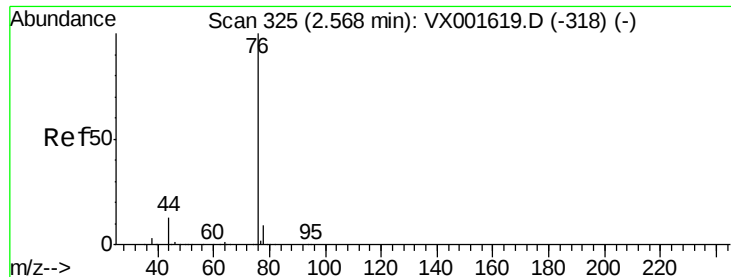
43 316.0 264.2 396.2



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0





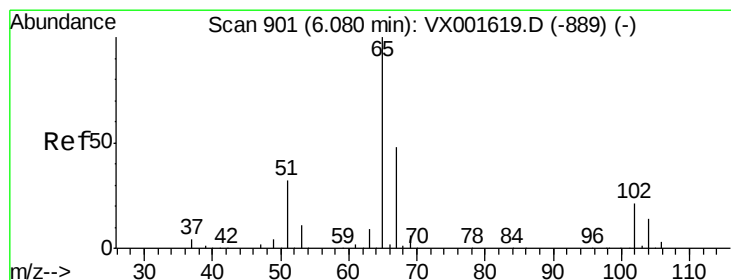
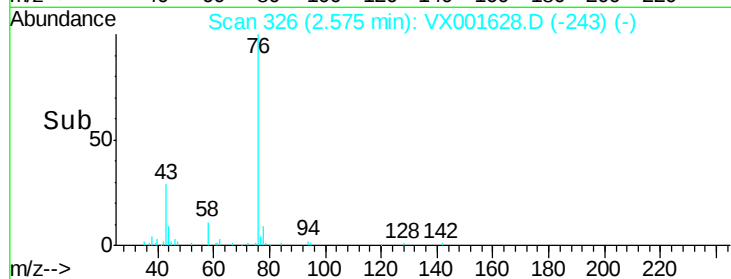
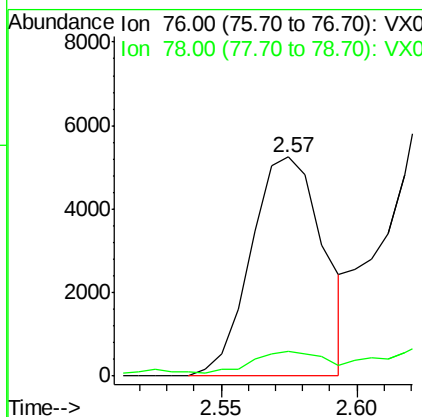
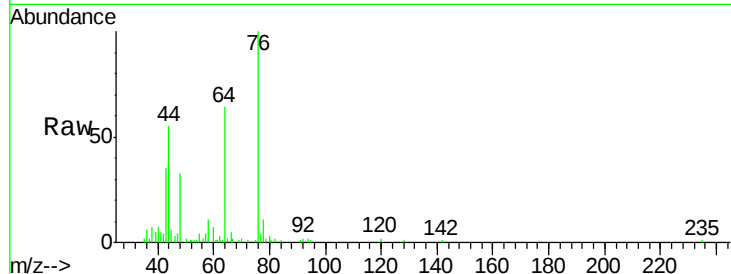
#16
Carbon Disulfide
Concen: 1.54 ug/l
RT: 2.57 min Scan# 326
Delta R.T. 0.01 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAY)

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

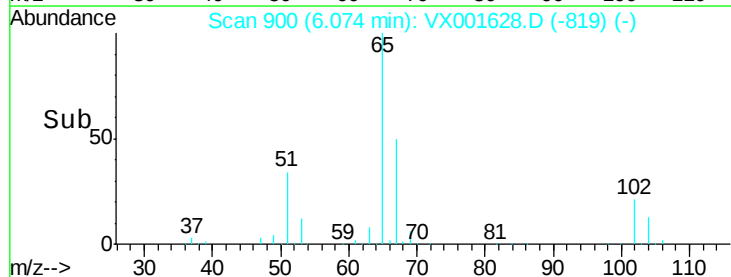
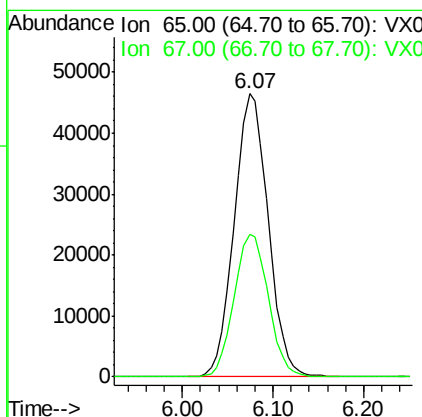
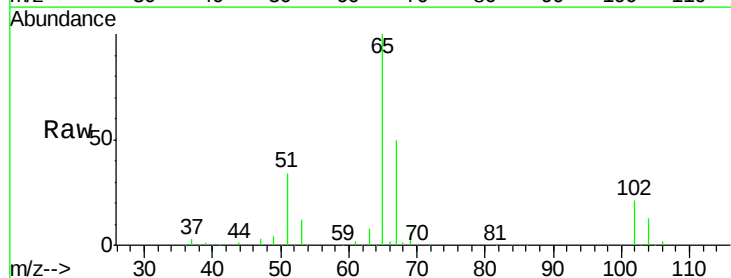
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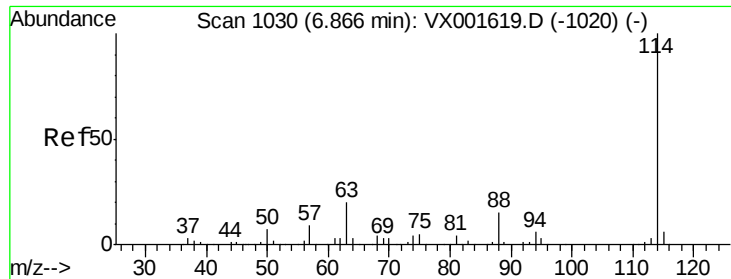
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#27
1,2-Dichloroethane-d4
Concen: 30.23 ug/l
RT: 6.07 min Scan# 900
Delta R.T. -0.01 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.8	40.2	60.2





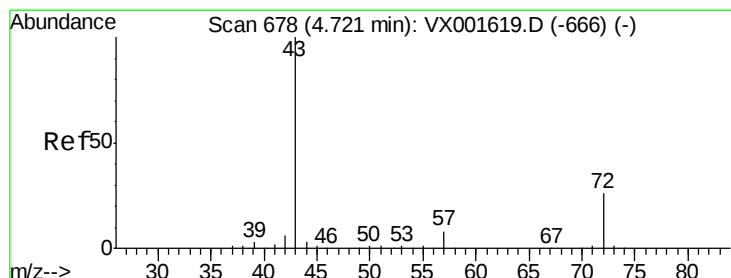
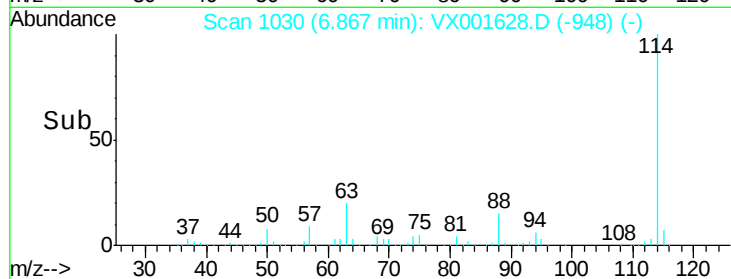
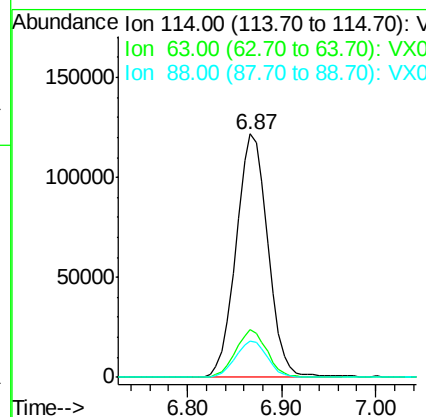
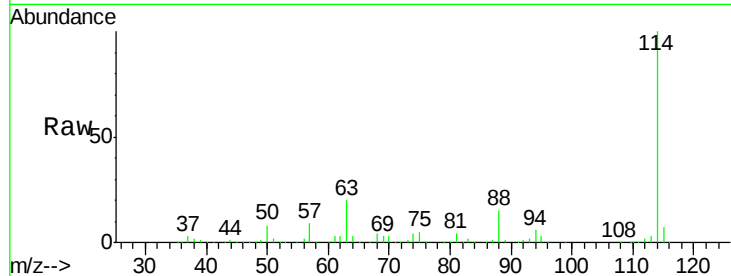
#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001628.D
 Acq: 11 May 2018 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAY)

Tot Ion	Ratio	Resp	Lower	Upper
114	100	286536		
63	19.3		15.5	23.3
88	15.0		12.2	18.4

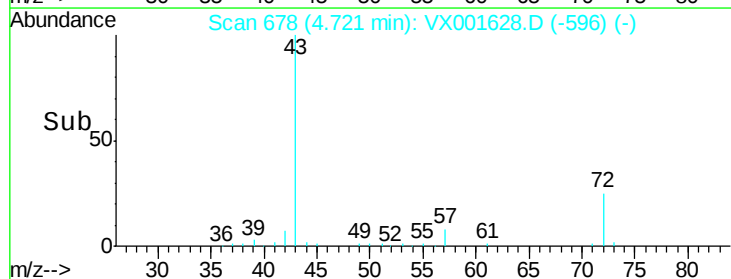
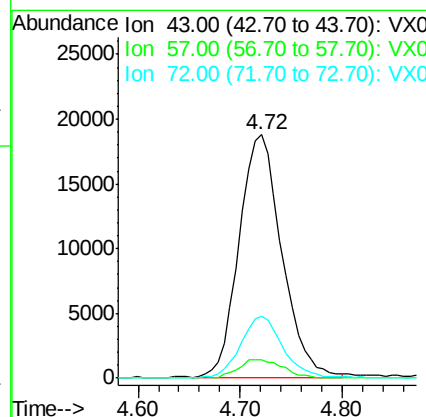
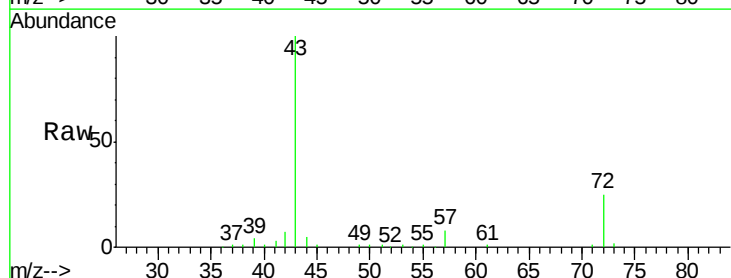
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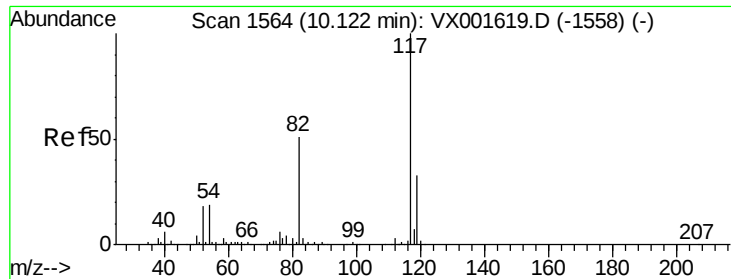
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#30
 2-Butanone
 Concen: 23.02 ug/l
 RT: 4.72 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VX001628.D
 Acq: 11 May 2018 03:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	54686		
57	7.9		6.3	9.5
72	25.1		20.2	30.4





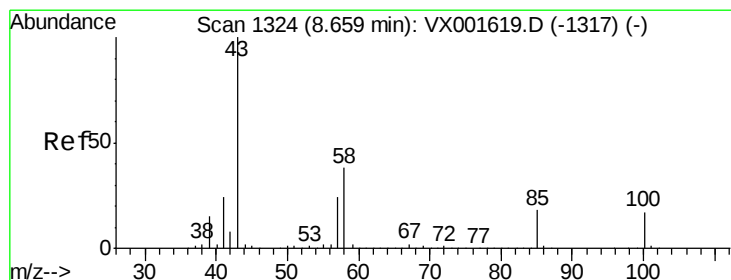
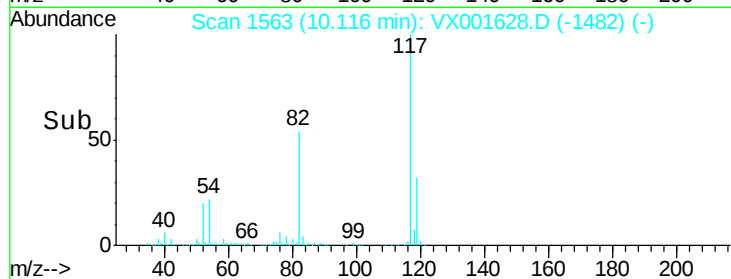
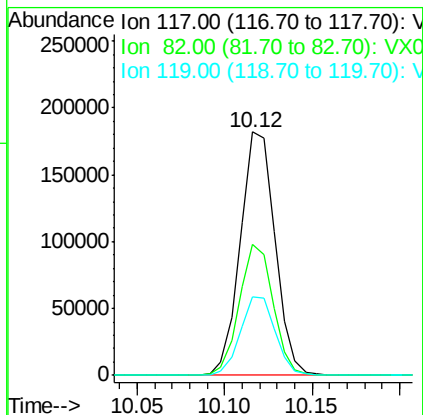
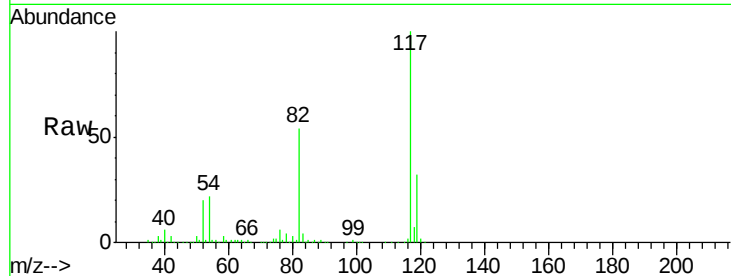
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAY)

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.3	42.2	63.2
119	32.2	26.3	39.5

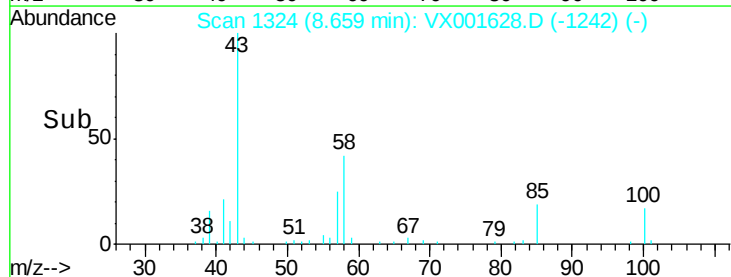
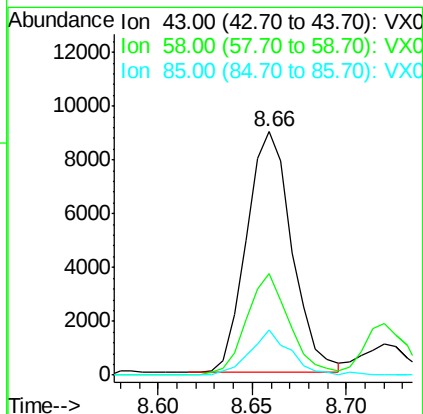
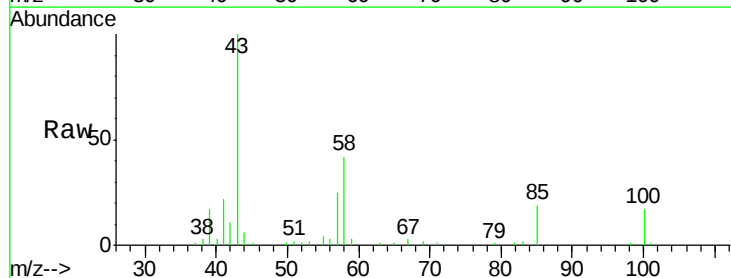
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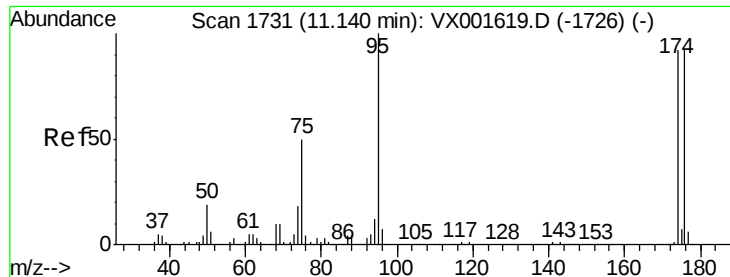
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#58
4-Methyl-2-Pentanone
Concen: 3.30 ug/l
RT: 8.66 min Scan# 1324
Delta R.T. 0.00 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
58	39.7	30.4	45.6
85	16.4	14.3	21.5





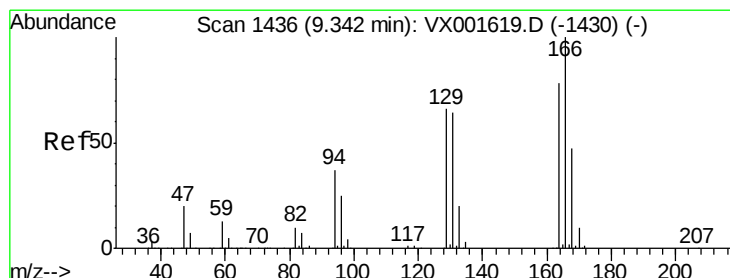
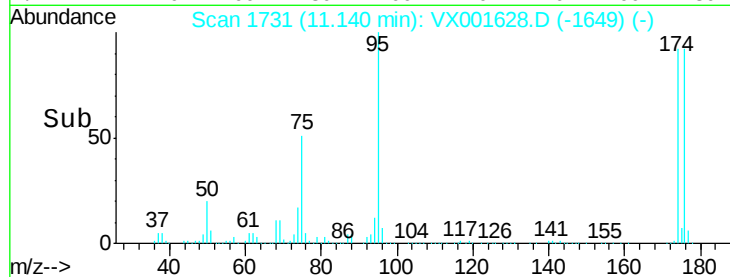
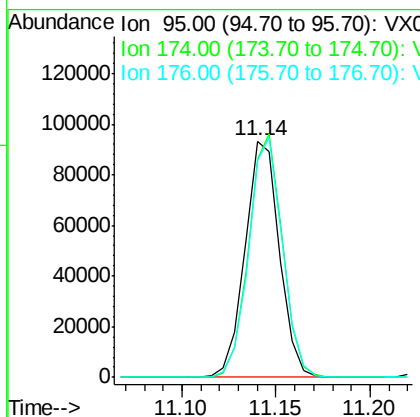
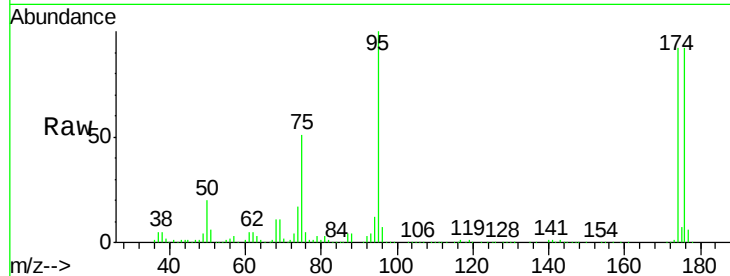
#60
4-Bromofluorobenzene
Concen: 29.49 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAY)

Tot Ion	Ratio	Lower	Upper
95	100		
174	100.6	80.2	120.2
176	98.8	79.2	118.8

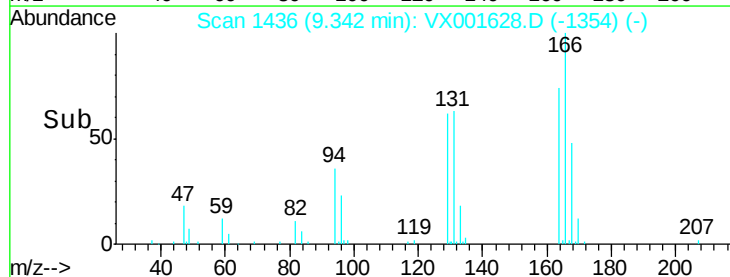
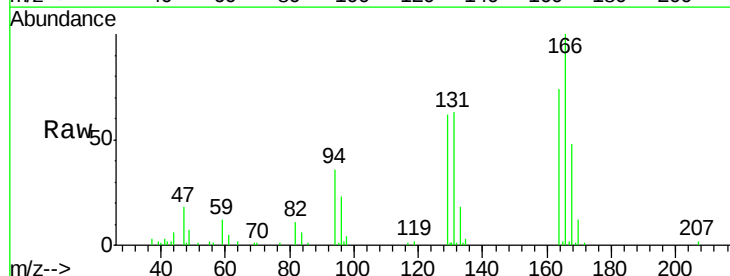
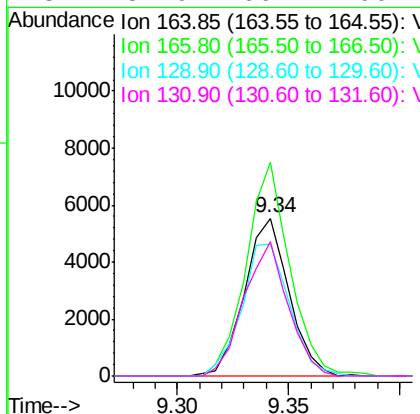
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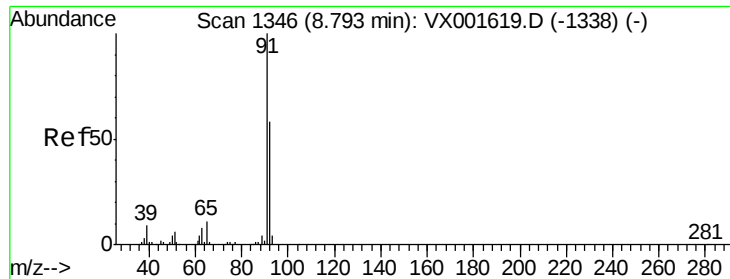
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#61
Tetrachloroethene
Concen: 2.08 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.3	102.8	154.2
129	83.4	67.8	101.8
131	84.9	66.2	99.2





#62

Toluene

Concen: 3.46 ug/l

RT: 8.79 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VX001628.D

Acq: 11 May 2018 03:55

Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(MAY)

Tot Ion: 91 Resp: 42046

Ion Ratio Lower Upper

91 100

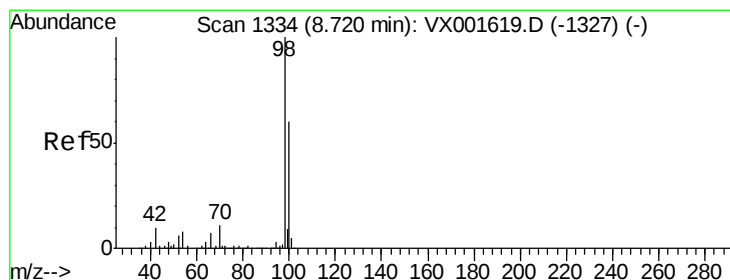
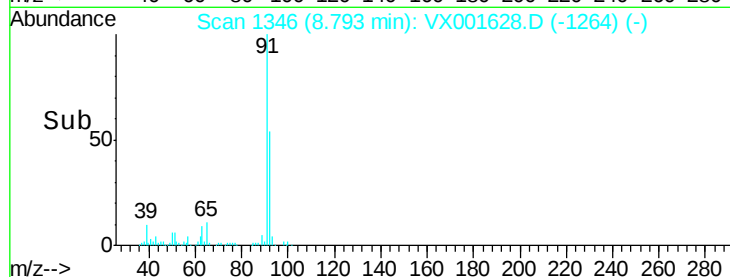
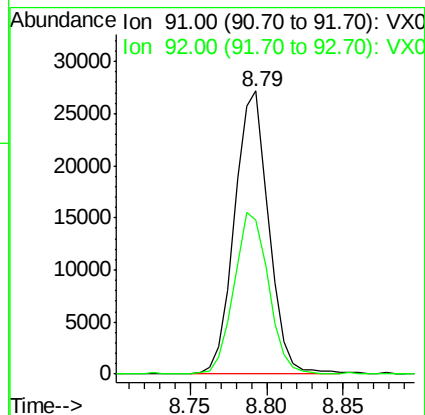
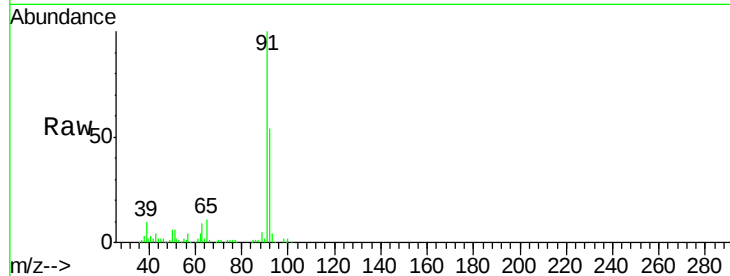
92 57.7 47.4 71.0

Manual Integrations

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#63

Toluene-d8

Concen: 29.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001628.D

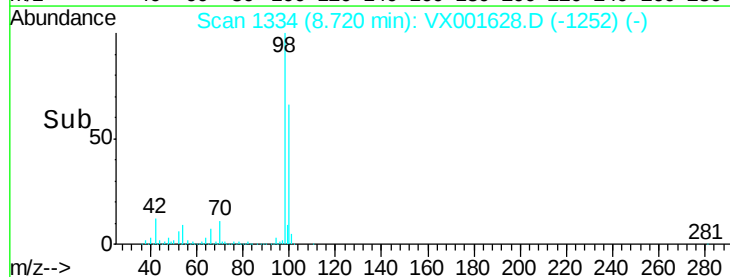
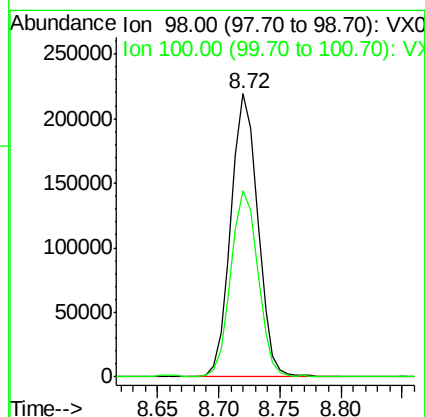
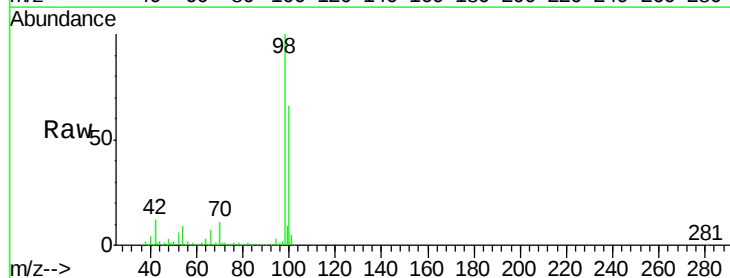
Acq: 11 May 2018 03:55

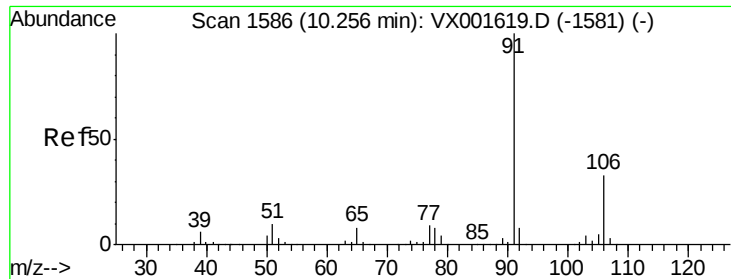
Tgt Ion: 98 Resp: 334406

Ion Ratio Lower Upper

98 100

100 66.2 52.2 78.2





#66

Ethyl Benzene

Concen: 0.41 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX001628.D

Acq: 11 May 2018 03:55

Instrument :

MSVOA_X

ClientSampleId :

002M-35TH-AVE(MAY)

Tot Ion: 91 Resp: 5133

Ion Ratio Lower Upper

91 100

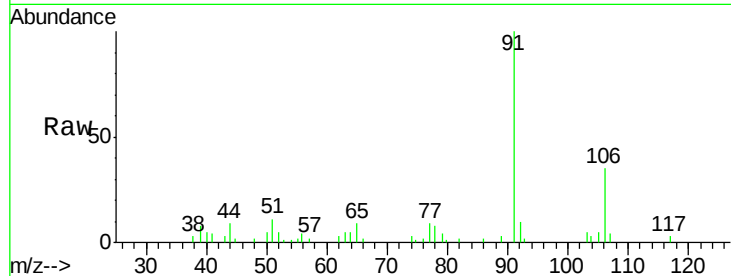
106 35.0 26.2 39.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX001619.D (-1581) (-)

Ion 106.00 (105.70 to 106.70): VX001619.D (-1581) (-)

10.26

4000

3000

2000

1000

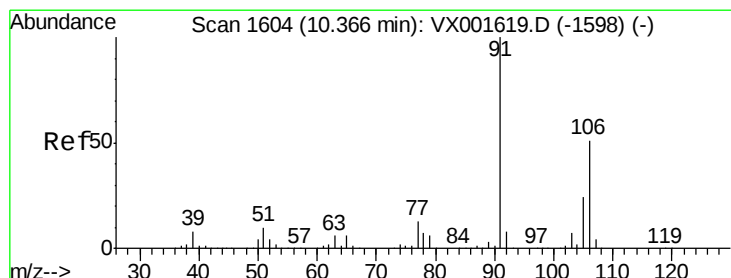
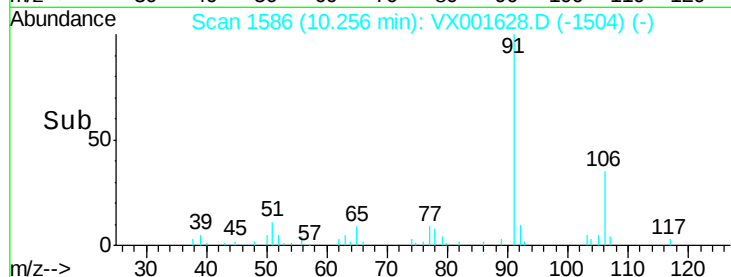
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Time-->

10.20

10.25

10.30



#67

m/p-Xylenes

Concen: 0.48 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VX001628.D

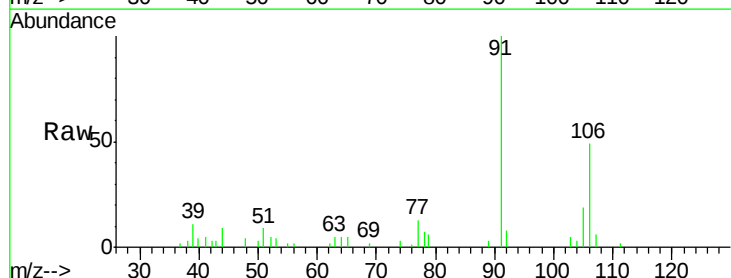
Acq: 11 May 2018 03:55

Tgt Ion: 106 Resp: 2401

Ion Ratio Lower Upper

106 100

91 195.1 157.8 236.8



Abundance Ion 106.00 (105.70 to 106.70): VX001619.D (-1598) (-)

Ion 91.00 (90.70 to 91.70): VX001619.D (-1598) (-)

10.36

4000

3000

2000

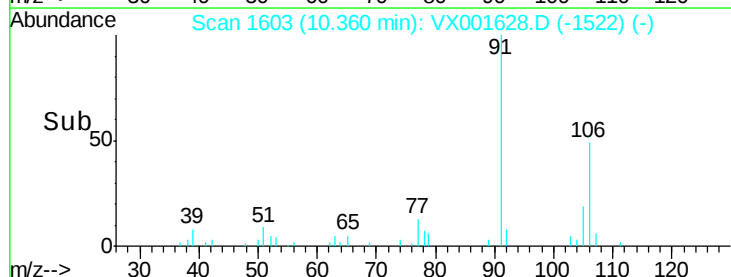
1000

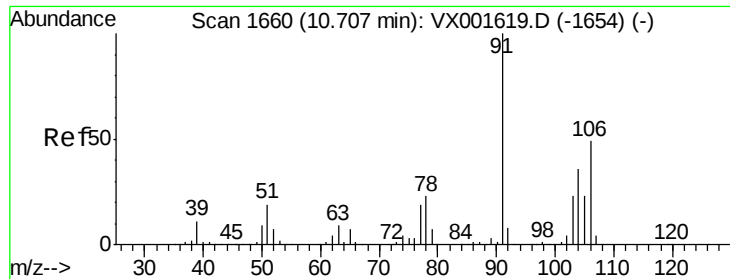
0

Time-->

10.35

10.40





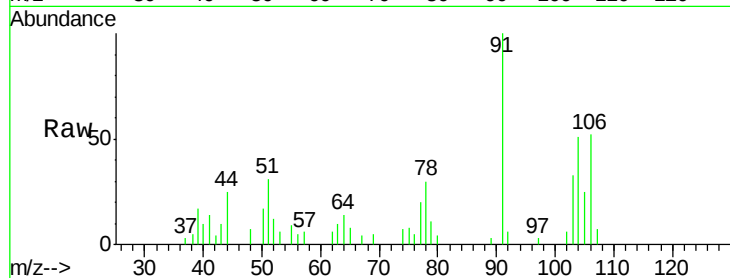
#68
o-Xylene
Concen: 0.23 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAY)

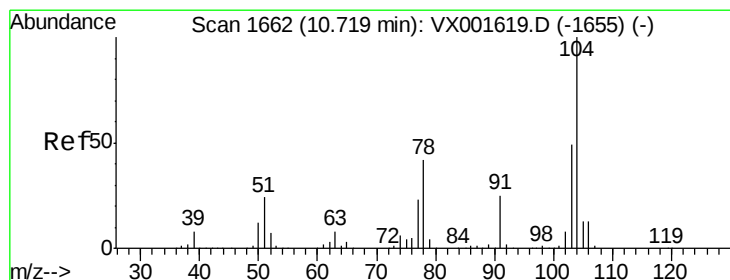
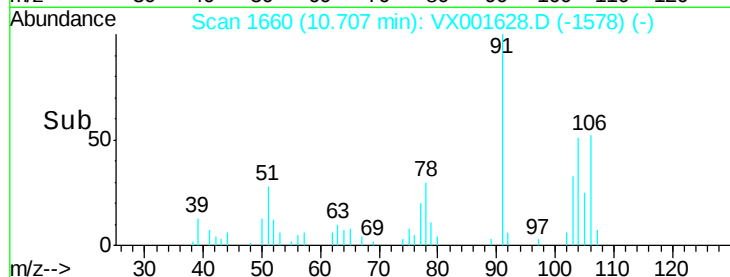
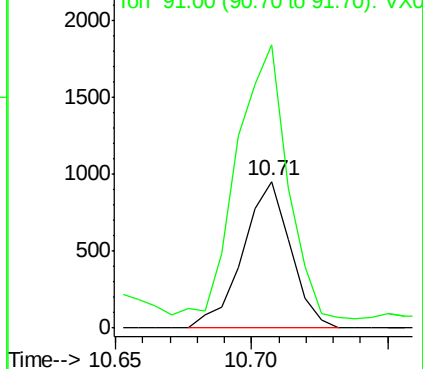
Tot Ion:106 Resp: 1159
Ion Ratio Lower Upper
106 100
91 204.4 104.3 312.8

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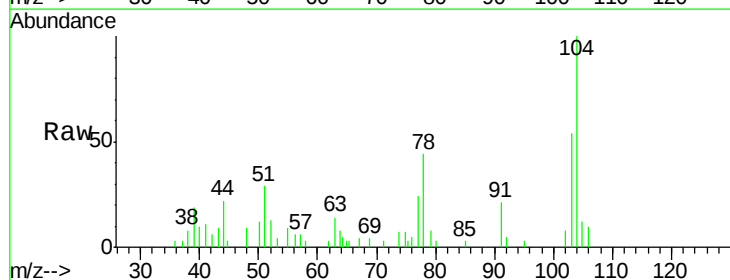


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

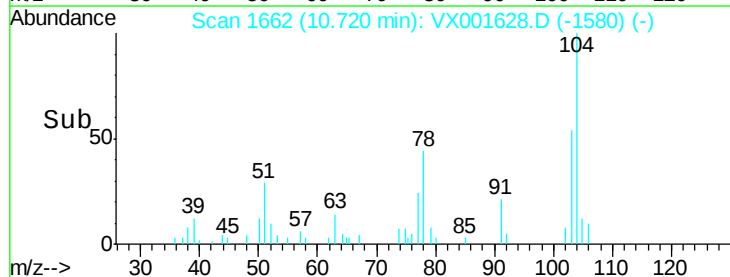
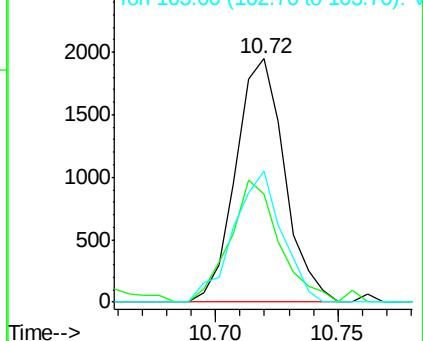


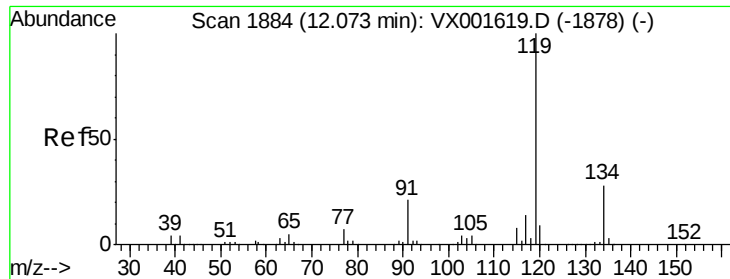
#69
Styrene
Concen: 0.33 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Tgt Ion:104 Resp: 2699
Ion Ratio Lower Upper
104 100
78 51.1 39.3 58.9
103 53.4 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





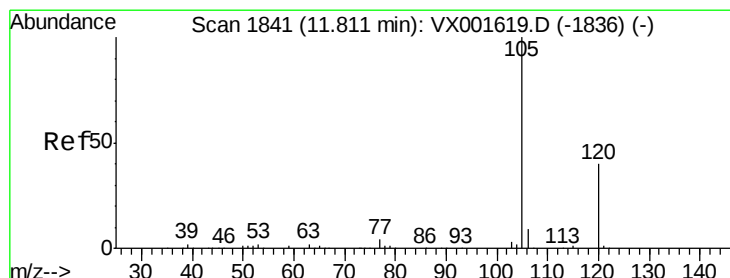
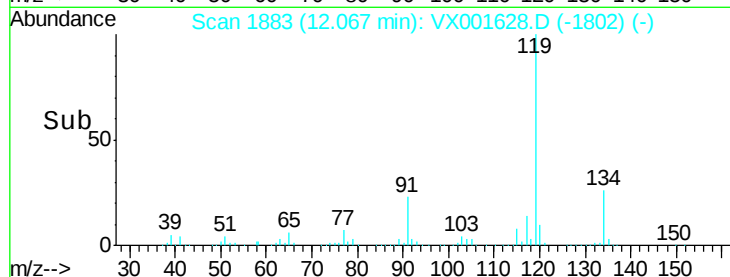
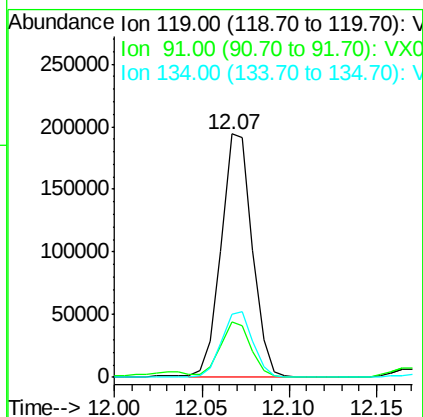
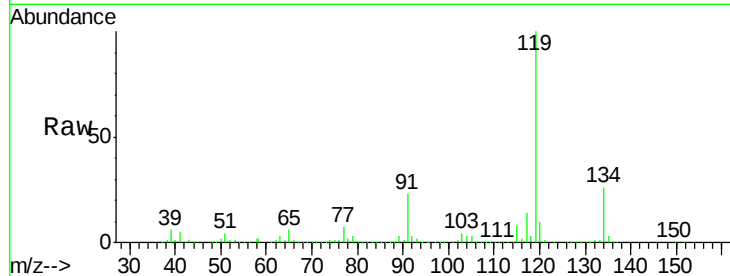
#79
tert-butylbenzene
Concen: 21.05 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAY)

Tot Ion	Ratio	Resp	Lower	Upper
119	100	240829		
91	22.4	0.0	44.0	
134	26.7	0.0	53.8	

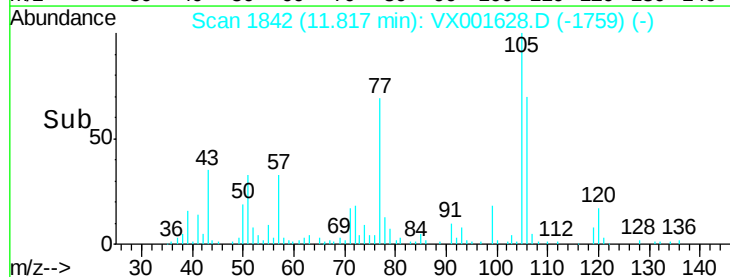
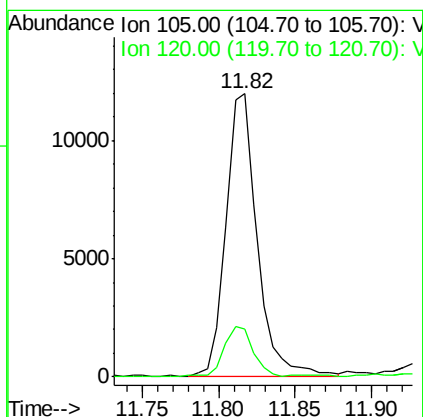
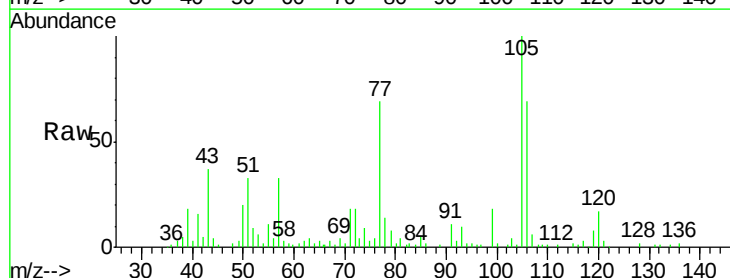
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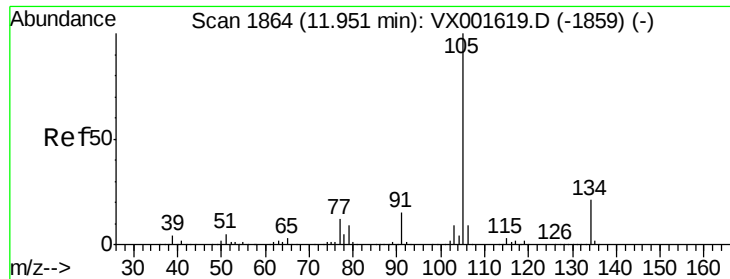
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#80
1,2,4-Trimethylbenzene
Concen: 1.54 ug/l
RT: 11.82 min Scan# 1842
Delta R.T. 0.01 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	17022		
120	16.4	0.0	94.0	





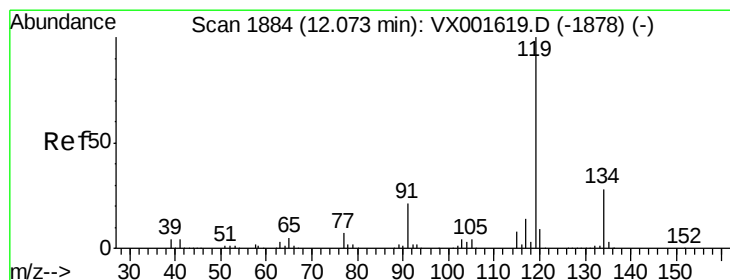
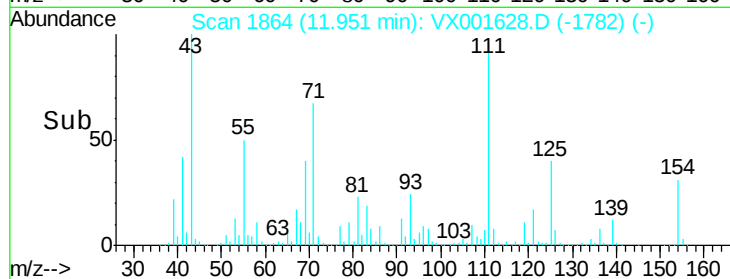
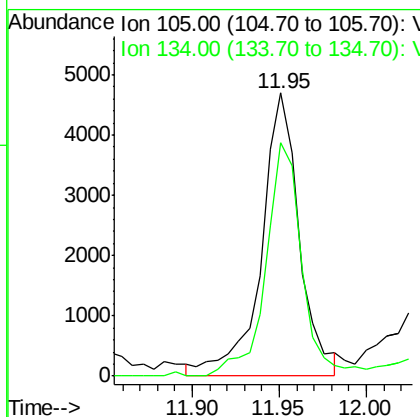
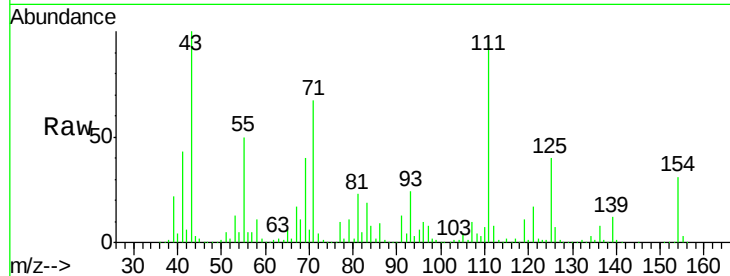
#81
 sec-Butylbenzene
 Concen: 0.57 ug/l m
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX001628.D
 Acq: 11 May 2018 03:55

Instrument :
 MSVOA_X
 ClientSampleId :
 002M-35TH-AVE(MAY)

Tot Ion	Ratio	Lower	Upper
105	100		
134	8.4	0.0	43.4

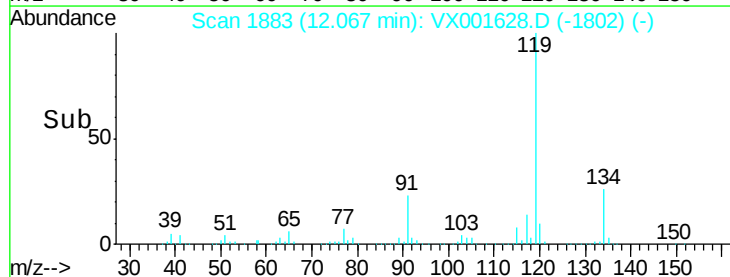
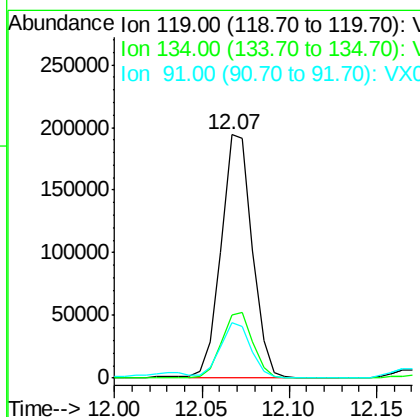
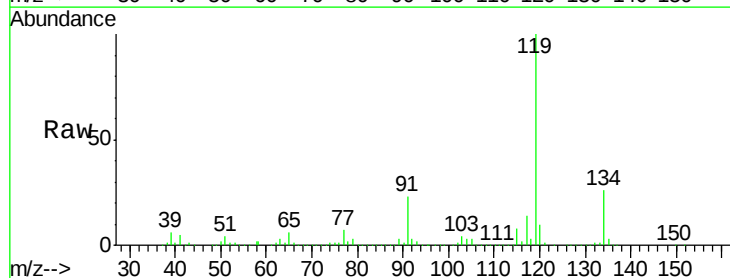
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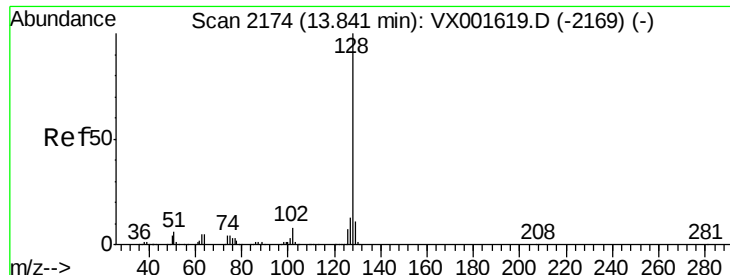
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#82
 p-Isopropyltoluene
 Concen: 21.05 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.01 min
 Lab File: VX001628.D
 Acq: 11 May 2018 03:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.8
91	22.4	0.0	44.0





#91
Naphthalene
Concen: 0.50 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001628.D
Acq: 11 May 2018 03:55

Instrument :
MSVOA_X
ClientSampleId :
002M-35TH-AVE(MAY)

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.3	15.5
129	14.3	8.8	13.2

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