

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081718\
 Data File : VX004139.D
 Acq On : 17 Aug 2018 18:23
 Operator : JC/MD
 Sample : J4523-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:04:36 AM

Quant Time: Aug 20 09:48:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	264785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	416386	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385428	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	220974	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	191271	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
35) Dibromofluoromethane	5.50	113	164605	52.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.64%	
50) Toluene-d8	8.71	98	597817	47.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.62%	
62) 4-Bromofluorobenzene	11.14	95	210254	45.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	52771	70.24	ug/l	98
16) Acetone	2.44	43	35260	18.18	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	31958	3.26	ug/l #	79
25) 2-Butanone	4.70	43	10913	3.46	ug/l	98
30) Chloroform	5.21	83	13939	2.43	ug/l	98
31) Cyclohexane	5.57	56	1928m	0.37	ug/l	
40) Benzene	6.15	78	32024	2.25	ug/l	98
47) Bromodichloromethane	7.90	83	2477	0.55	ug/l	95
52) Toluene	8.79	92	5770	0.64	ug/l	98
59) 2-Hexanone	9.50	43	5099	1.09	ug/l	93
60) Dibromochloromethane	9.59	129	1653	0.46	ug/l	99
67) Ethyl Benzene	10.25	91	13418	0.85	ug/l	96
78) n-propylbenzene	11.36	91	8897	0.53	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	4557	0.36	ug/l	99
89) n-Butylbenzene	12.39	91	3350m	0.33	ug/l	
95) Naphthalene	13.83	128	4641	1.44	ug/l	97

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

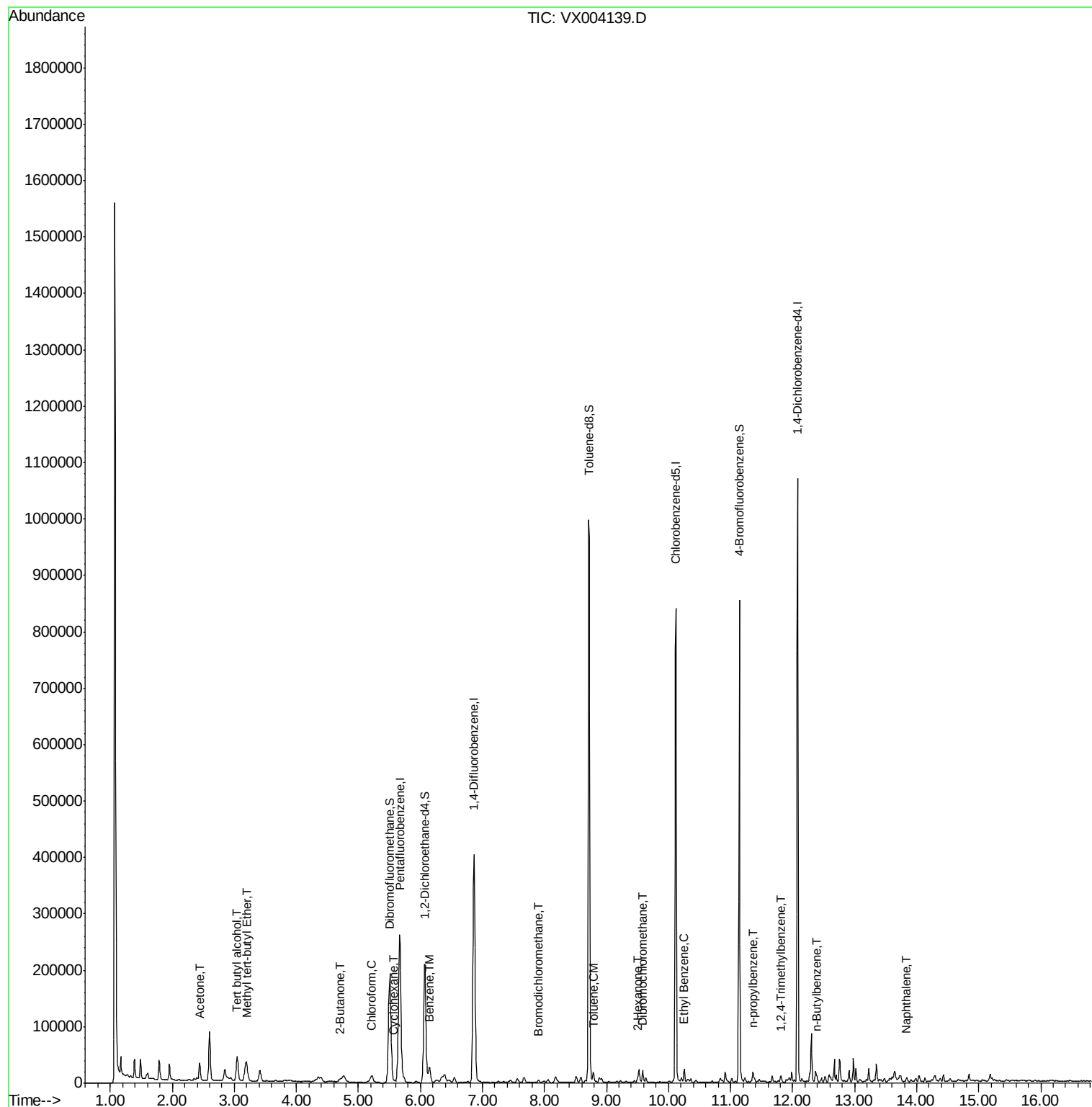
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081718\
Data File : VX004139.D
Acq On : 17 Aug 2018 18:23
Operator : JC/MD
Sample : J4523-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 20 Sample Multiplier: 1

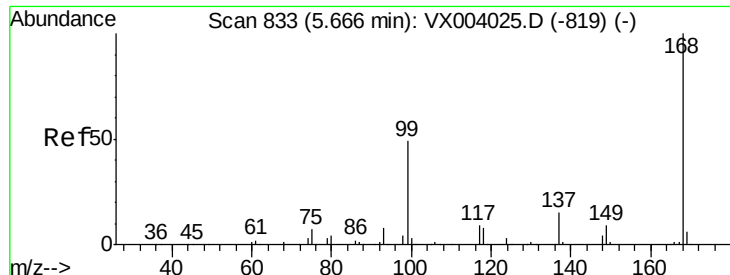
Instrument :
MSVOA_X
ClientSampleId :
WC-1

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8/20/2018 10:04:36 AM

Quant Time: Aug 20 09:48:11 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004139.D

Acq: 17 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampled :

WC-1

Tot Ion:168 Resp: 264785

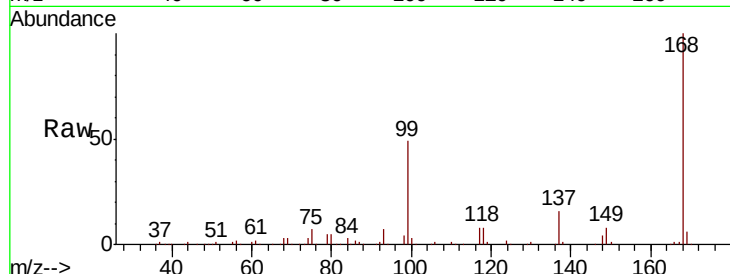
Ion Ratio Lower Upper

168 100

99 48.5 40.1 60.1

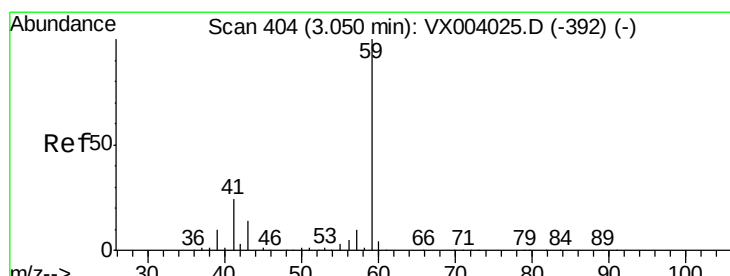
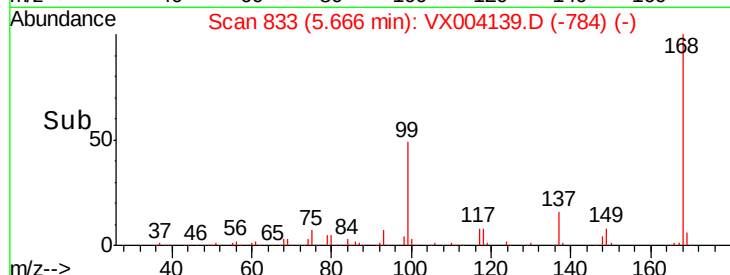
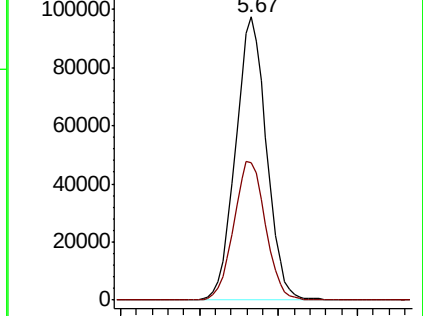
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 70.24 ug/l

RT: 3.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VX004139.D

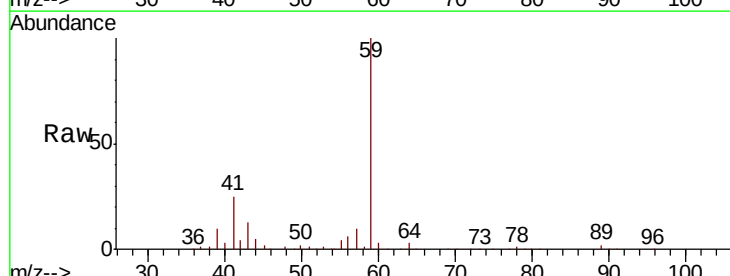
Acq: 17 Aug 2018 18:23

Tgt Ion: 59 Resp: 52771

Ion Ratio Lower Upper

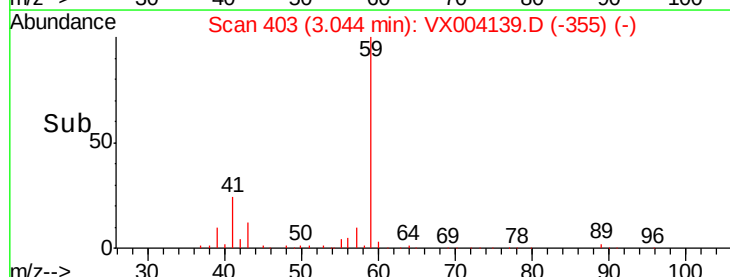
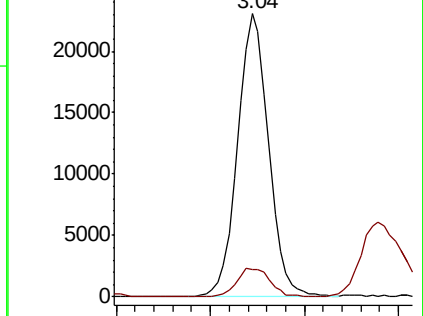
59 100

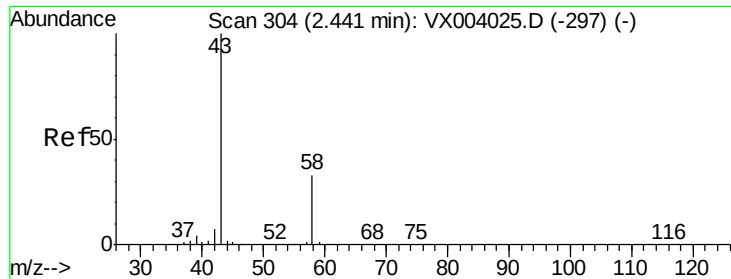
57 11.0 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 18.18 ug/l

RT: 2.44 min Scan# 304

Delta R.T. -0.00 min

Lab File: VX004139.D

Acq: 17 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

WC-1

Tot Ion: 43 Resp: 35260

Ion Ratio Lower Upper

43 100

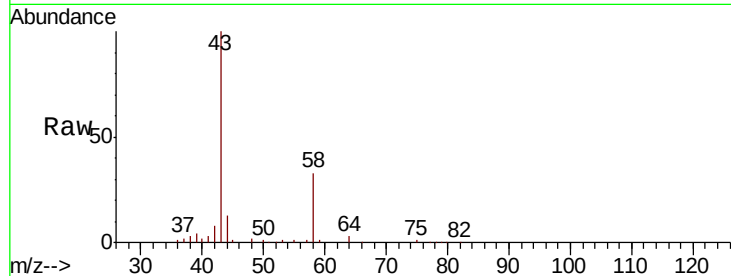
58 33.1 26.4 39.6

Manual Integrations

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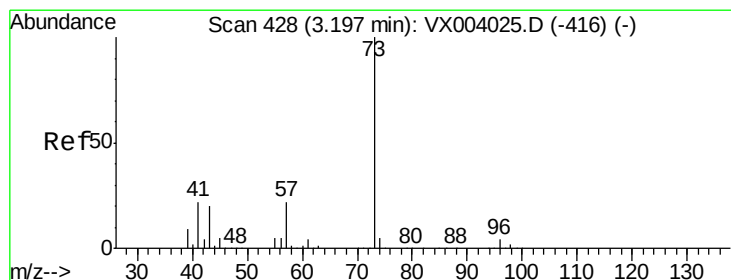
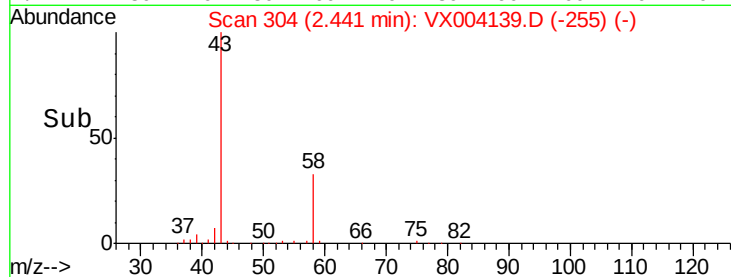
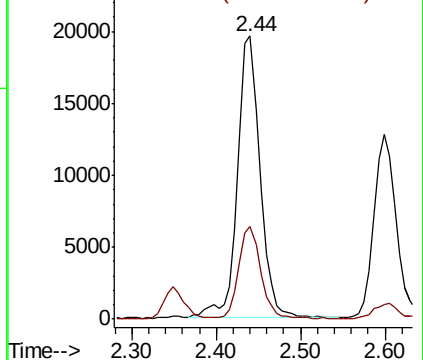
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#19

Methyl tert-butyl Ether

Concen: 3.26 ug/l

RT: 3.20 min Scan# 428

Delta R.T. -0.00 min

Lab File: VX004139.D

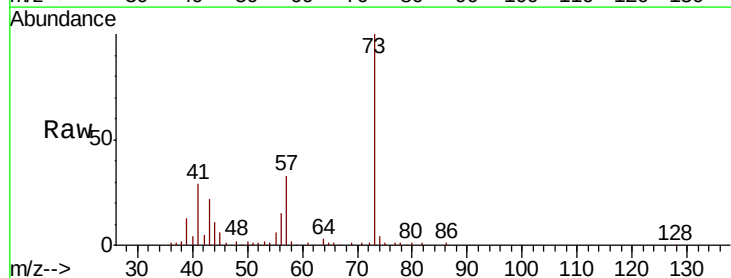
Acq: 17 Aug 2018 18:23

Tgt Ion: 73 Resp: 31958

Ion Ratio Lower Upper

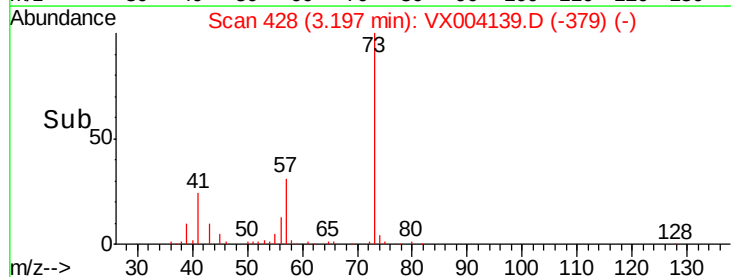
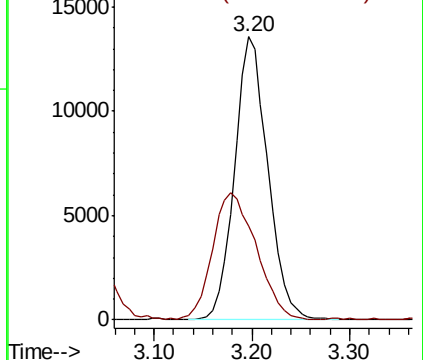
73 100

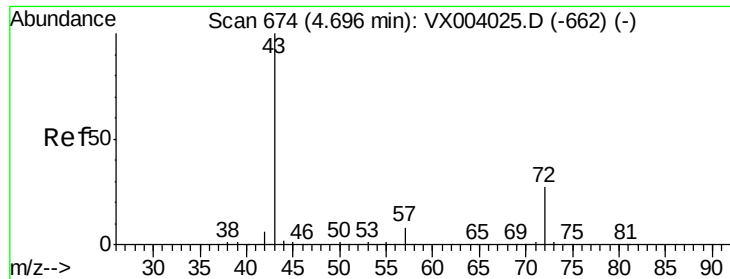
57 32.6 18.0 27.0#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#25

2-Butanone

Concen: 3.46 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.01 min

Lab File: VX004139.D

Acq: 17 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampled :

WC-1

Tot Ion: 43 Resp: 10913

Ion Ratio Lower Upper

43 100

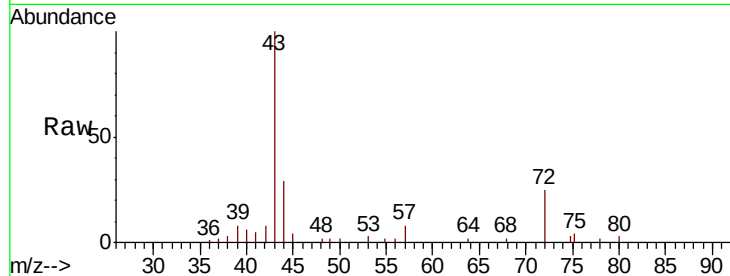
72 25.8 21.4 32.0

Manual Integrations

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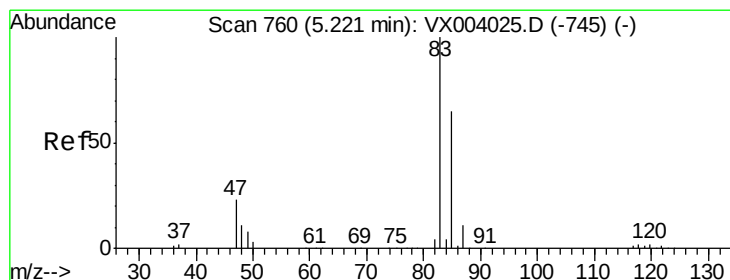
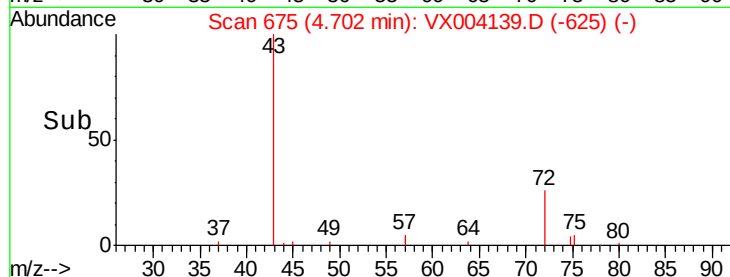
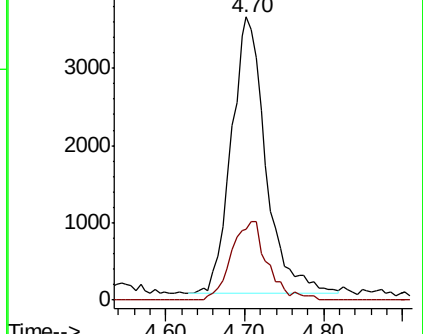
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#30

Chloroform

Concen: 2.43 ug/l

RT: 5.21 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX004139.D

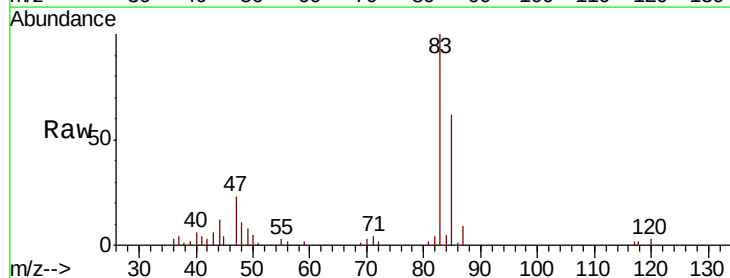
Acq: 17 Aug 2018 18:23

Tgt Ion: 83 Resp: 13939

Ion Ratio Lower Upper

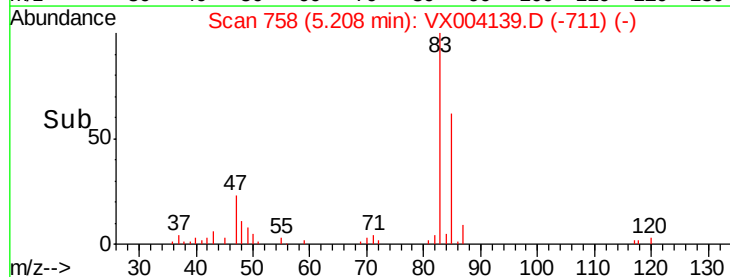
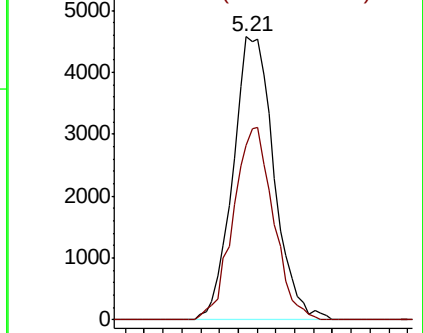
83 100

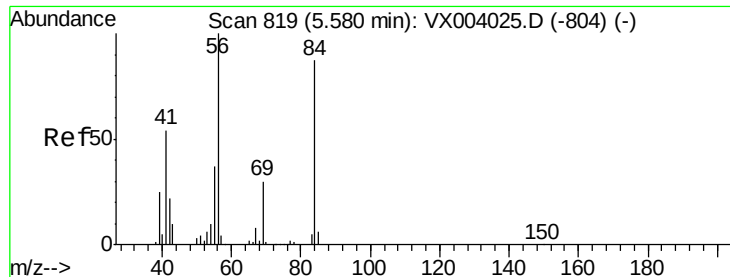
85 61.6 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





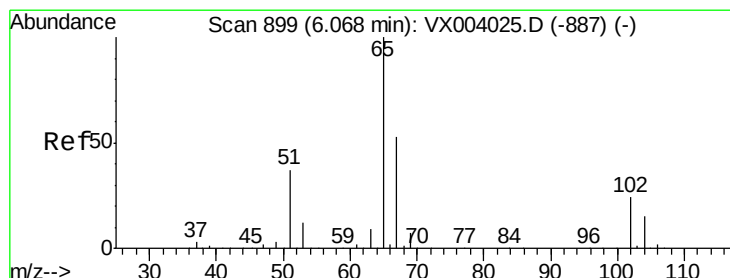
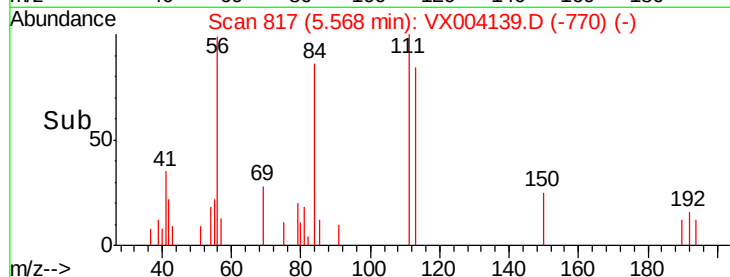
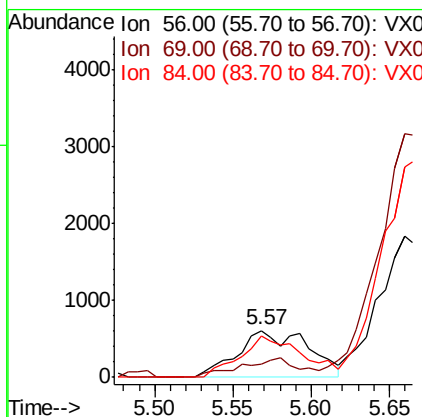
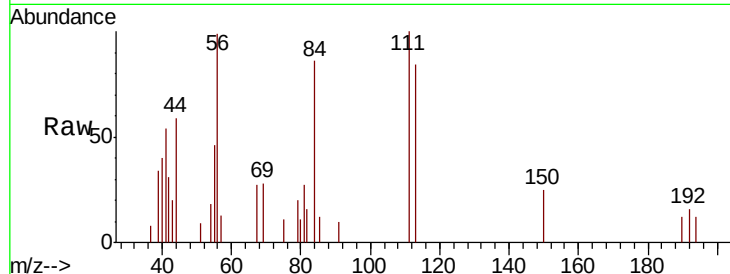
#31
Cyclohexane
Concen: 0.37 ug/l m
RT: 5.57 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	24.9	37.3
84	86.9	71.7	107.5

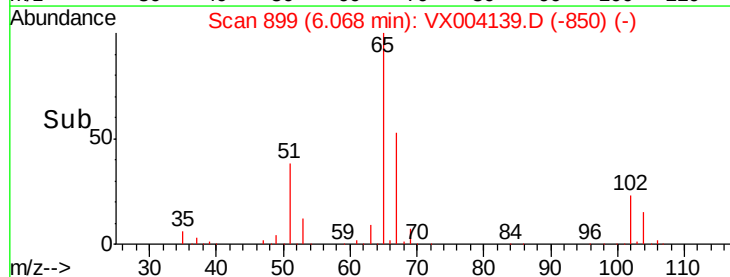
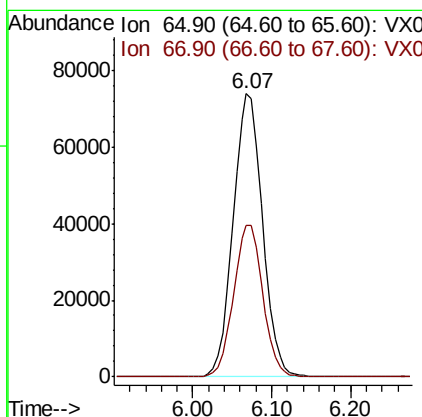
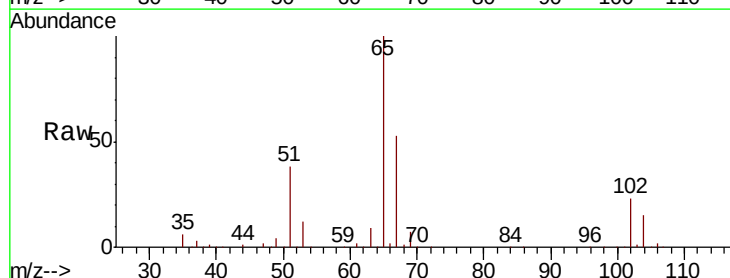
Manual Integrations
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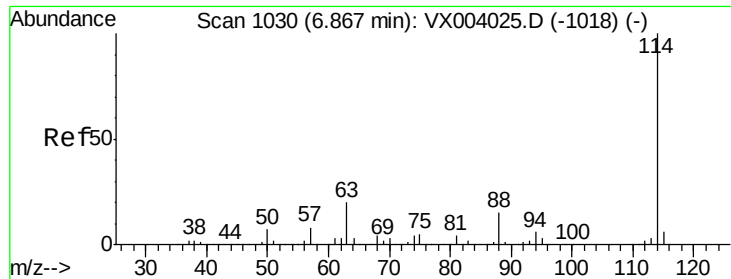
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#33
1,2-Dichloroethane-d4
Concen: 51.27 ug/l
RT: 6.07 min Scan# 899
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.8





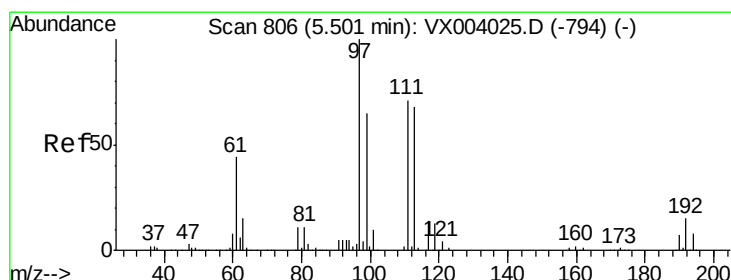
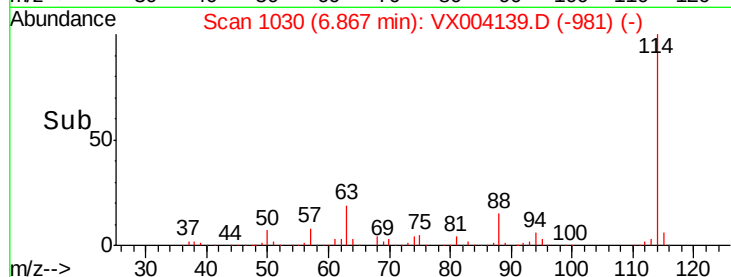
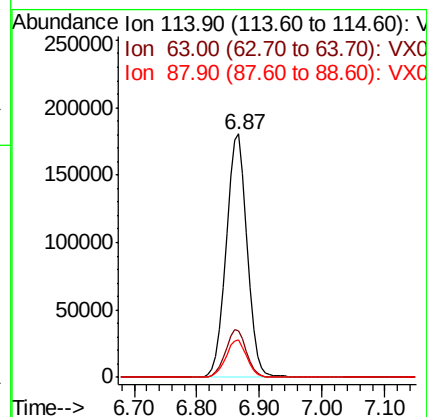
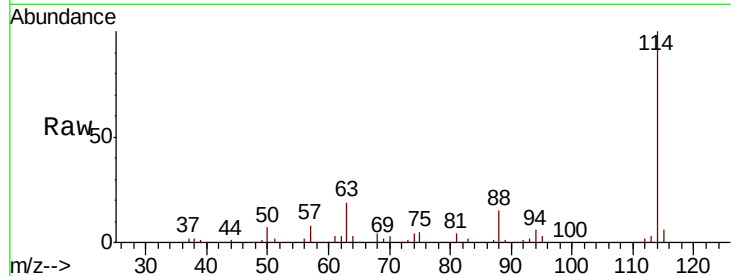
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX004139.D
 Acq: 17 Aug 2018 18:23

Instrument :
 MSVOA_X
 ClientSampled :
 WC-1

Tot Ion	Ratio	Resp	Lower	Upper
114	100	416386		
63	19.2		0.0	39.0
88	15.4		0.0	32.0

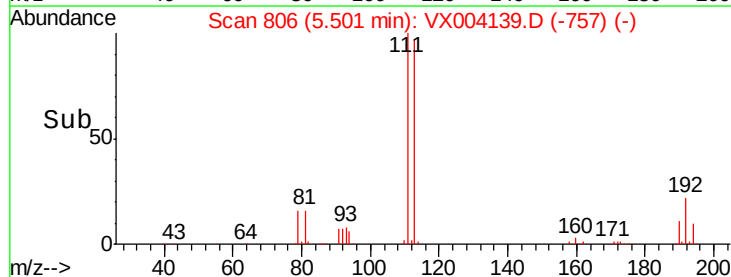
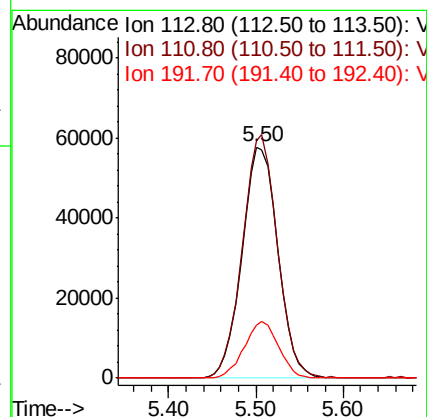
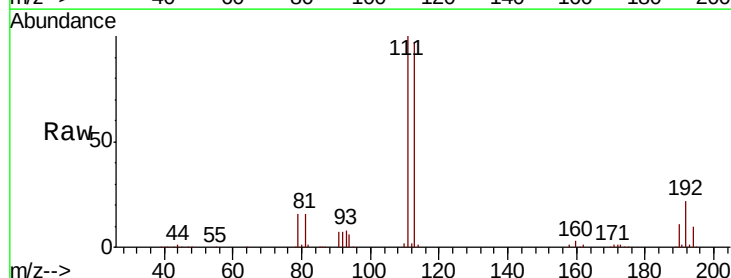
Manual Integrations
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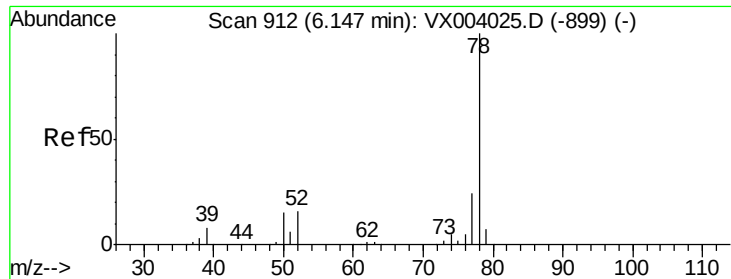
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#35
 Dibromofluoromethane
 Concen: 52.82 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004139.D
 Acq: 17 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	164605		
111	102.5		82.0	123.0
192	23.6		19.0	28.4





#40

Benzene

Concen: 2.25 ug/l

RT: 6.15 min Scan# 912

Delta R.T. -0.00 min

Lab File: VX004139.D

Acq: 17 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampled :

WC-1

Tot Ion: 78 Resp: 32024

Ion Ratio Lower Upper

78 100

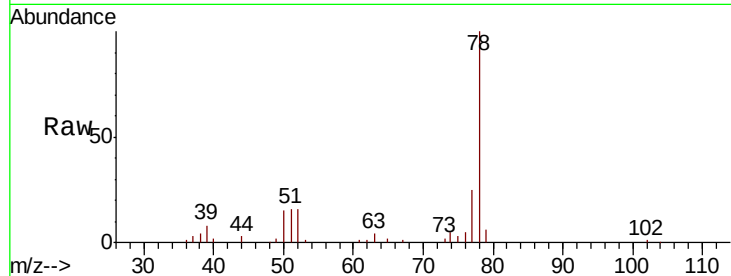
77 24.8 19.0 28.4

Manual Integrations

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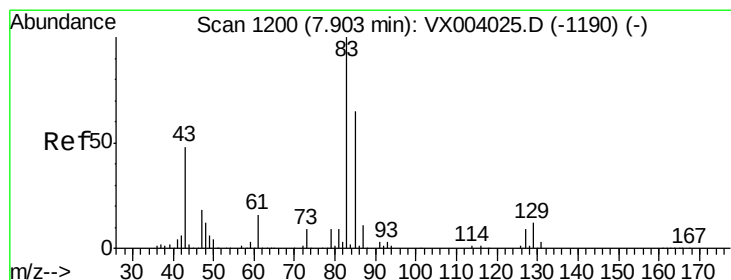
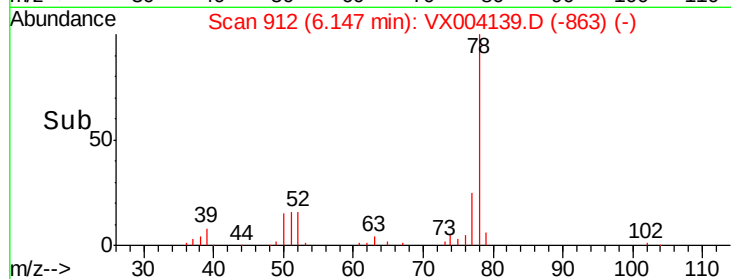
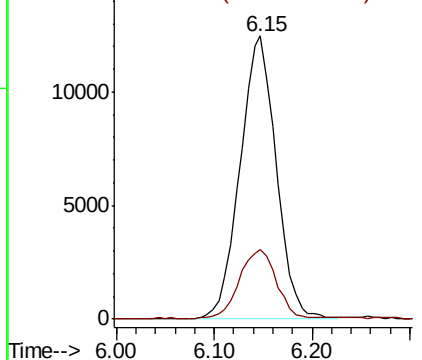
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#47

Bromodichloromethane

Concen: 0.55 ug/l

RT: 7.90 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VX004139.D

Acq: 17 Aug 2018 18:23

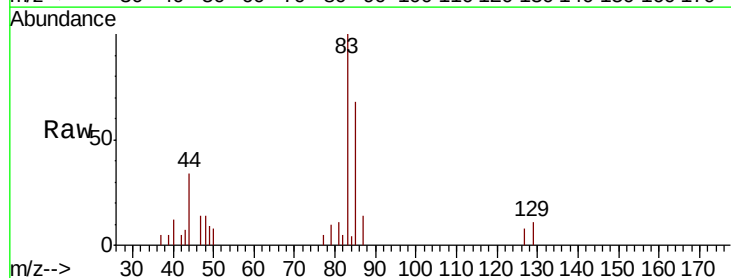
Tgt Ion: 83 Resp: 2477

Ion Ratio Lower Upper

83 100

85 67.6 51.2 76.8

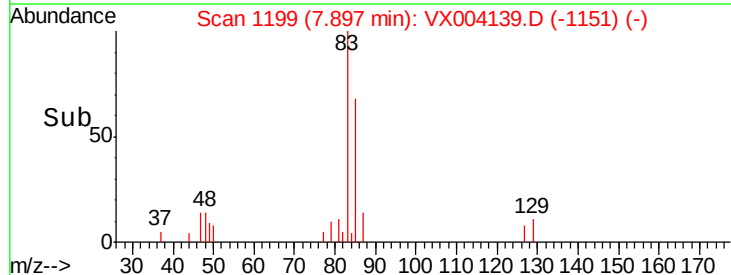
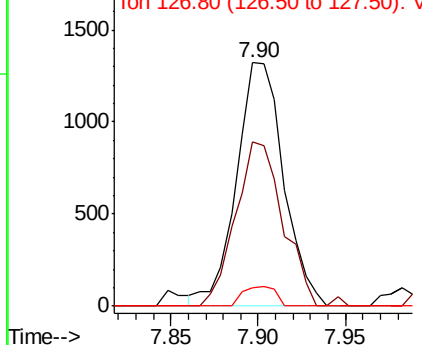
127 7.6 7.2 10.8

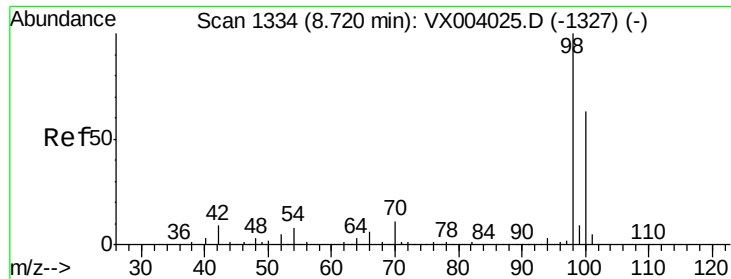


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V





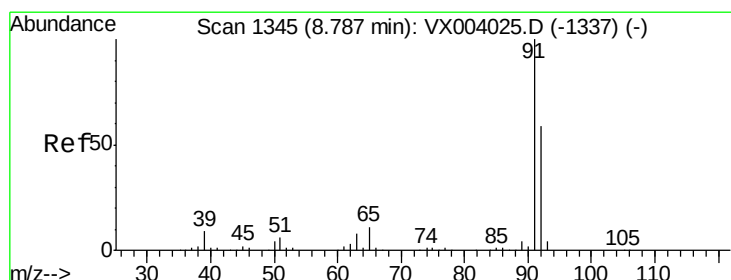
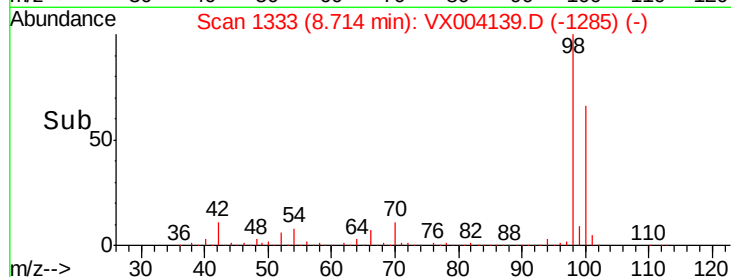
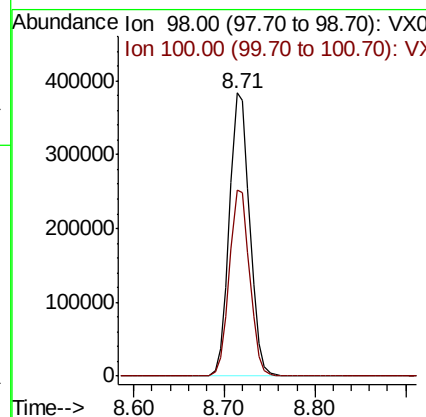
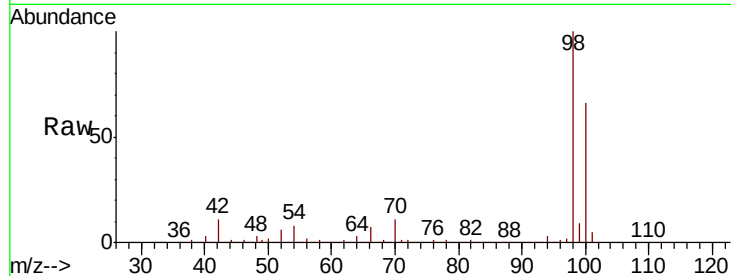
#50
Toluene-d8
Concen: 47.31 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampleId :
WC-1

Tot Ion: 98 Resp: 597817
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9

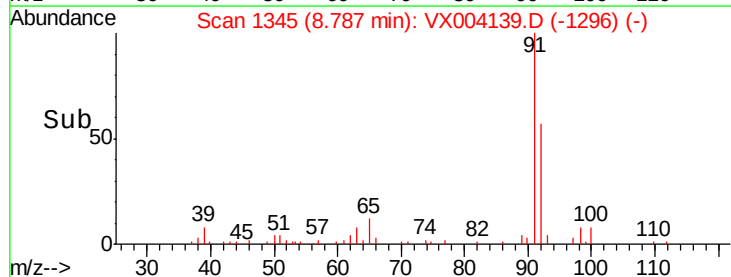
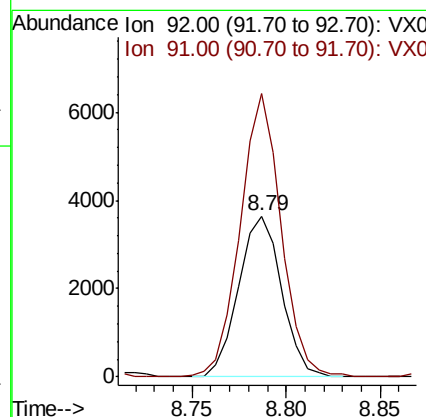
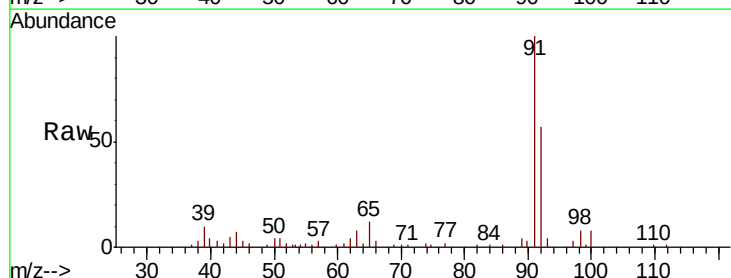
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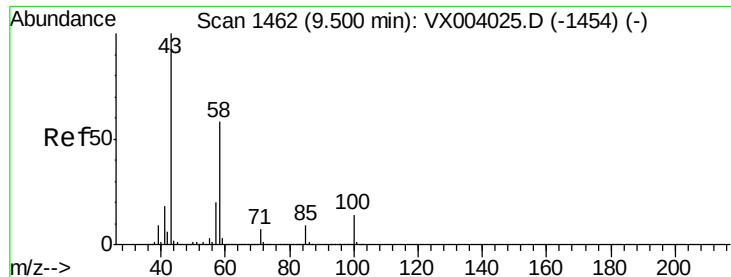
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#52
Toluene
Concen: 0.64 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Tgt Ion: 92 Resp: 5770
Ion Ratio Lower Upper
92 100
91 167.5 136.1 204.1





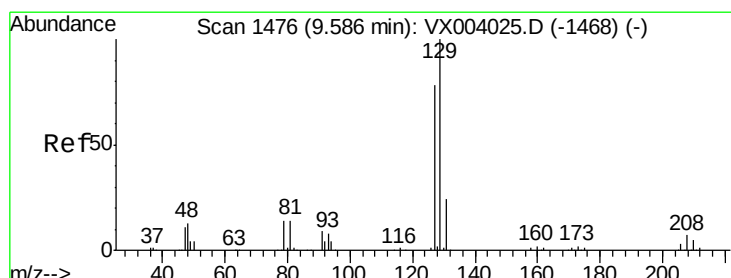
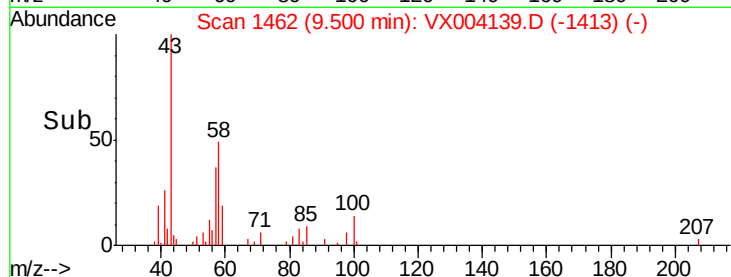
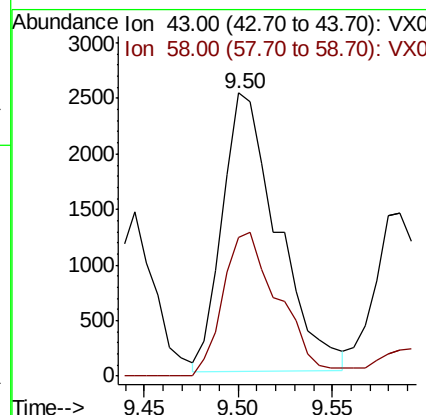
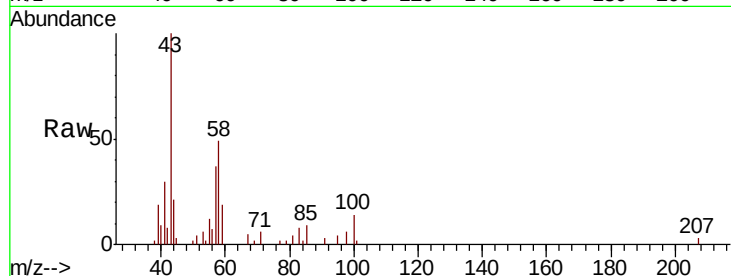
#59
2-Hexanone
Concen: 1.09 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampled :
WC-1

Tot Ion: 43 Resp: 5099
Ion Ratio Lower Upper
43 100
58 53.1 29.0 87.0

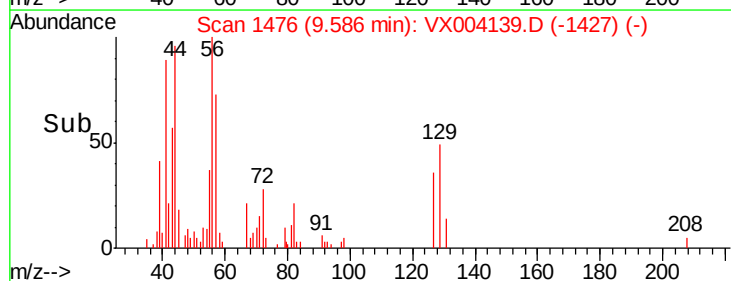
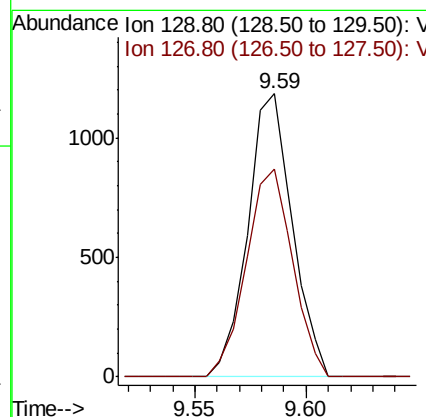
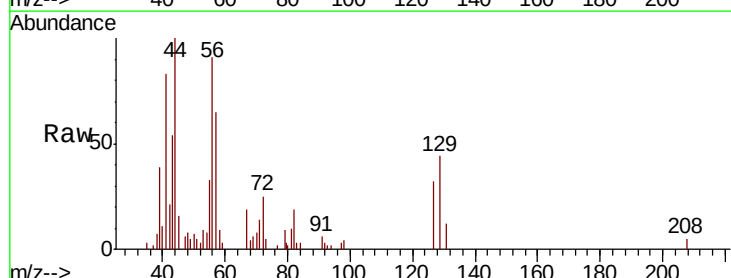
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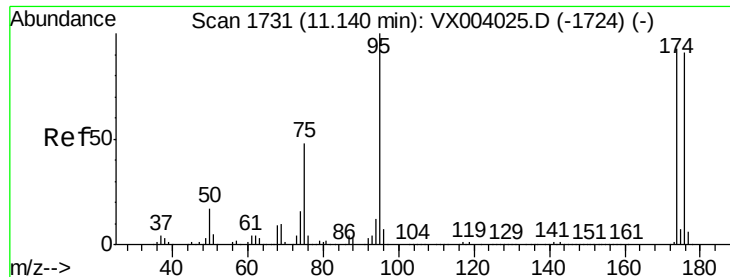
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#60
Dibromochloromethane
Concen: 0.46 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Tgt Ion: 129 Resp: 1653
Ion Ratio Lower Upper
129 100
127 76.2 38.8 116.3





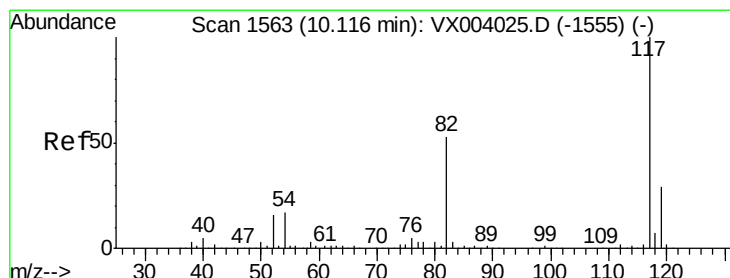
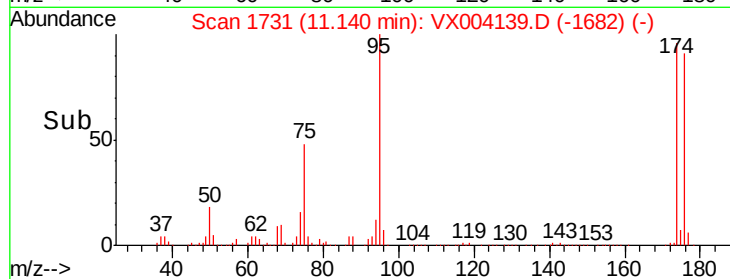
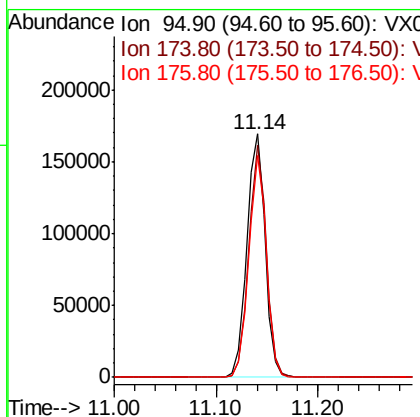
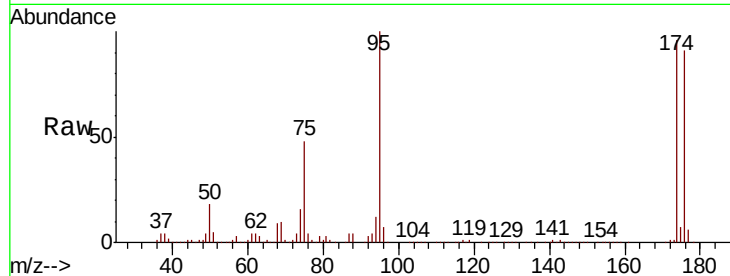
#62
4-Bromofluorobenzene
Concen: 45.88 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampled :
WC-1

Tot Ion	Ratio	Resp	Lower	Upper
95	100	210254		
174	92.8	0.0	182.8	
176	88.6	0.0	179.0	

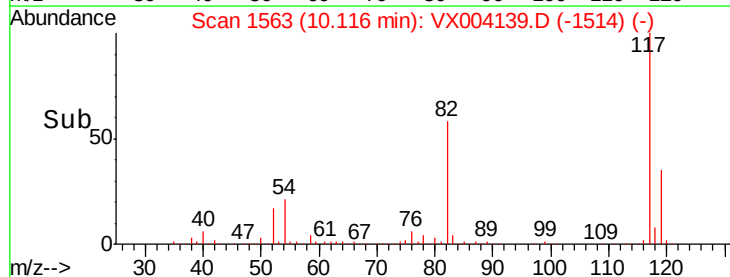
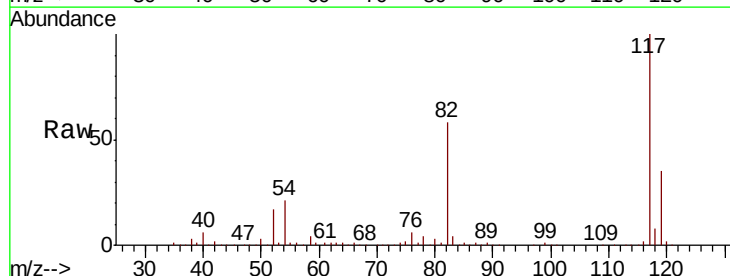
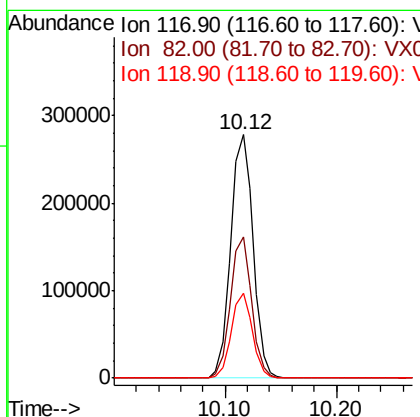
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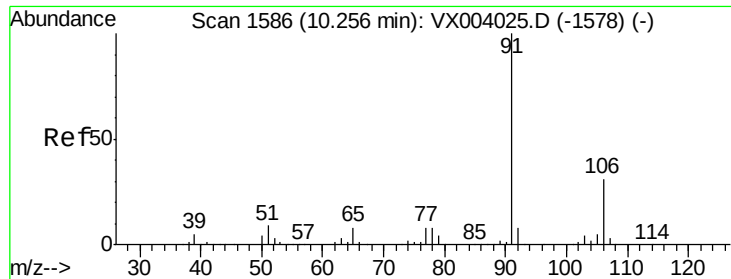
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	385428		
82	58.2	45.4	68.0	
119	34.7	26.6	40.0	





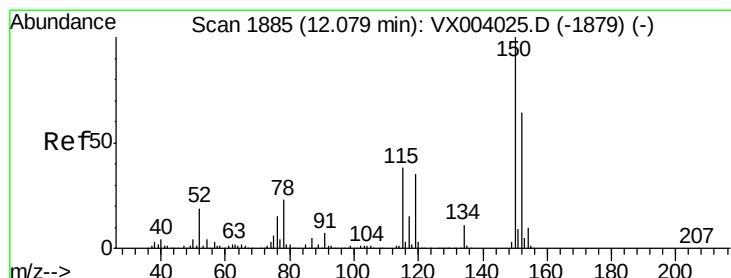
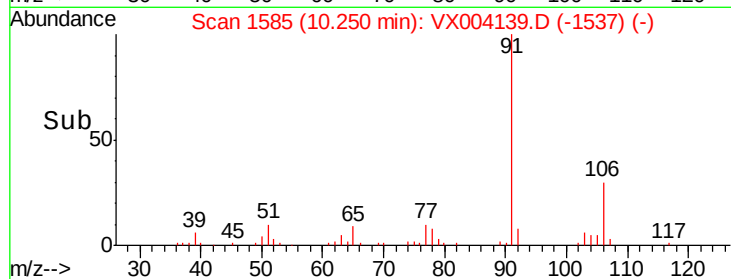
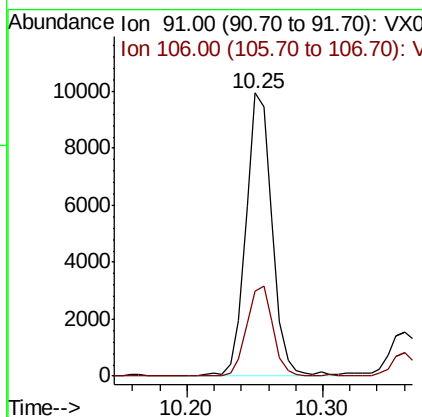
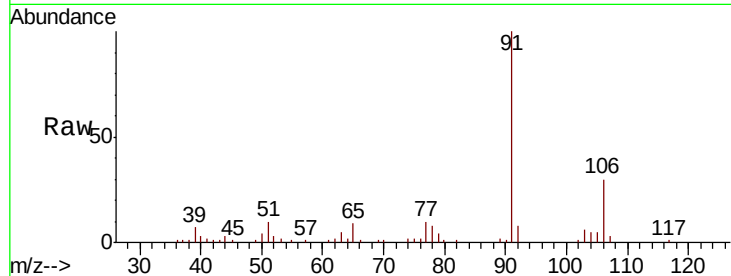
#67
Ethyl Benzene
Concen: 0.85 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampled :
WC-1

Tot Ion: 91 Resp: 13418
Ion Ratio Lower Upper
91 100
106 30.1 25.9 38.9

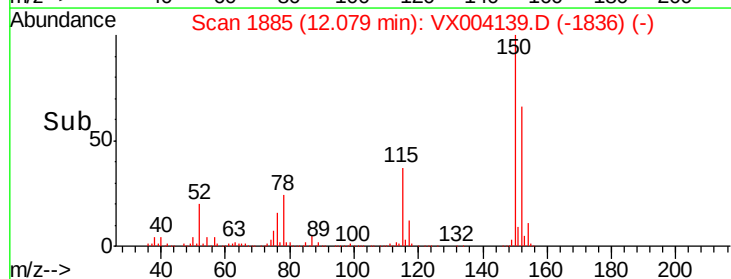
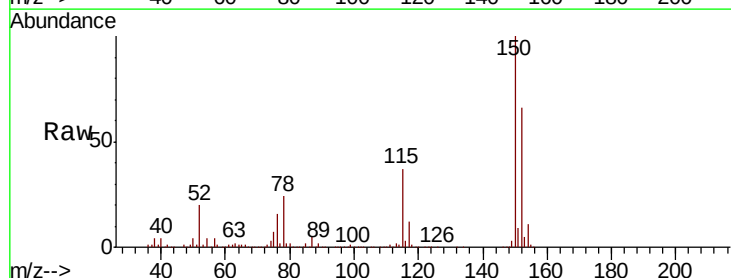
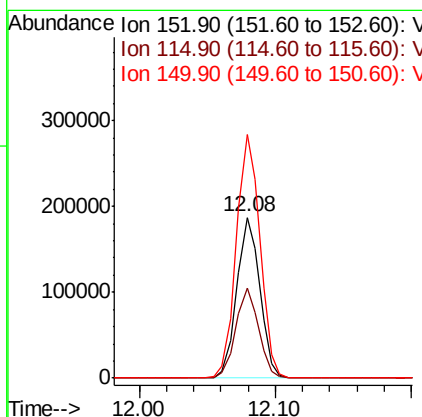
Manual Integrations
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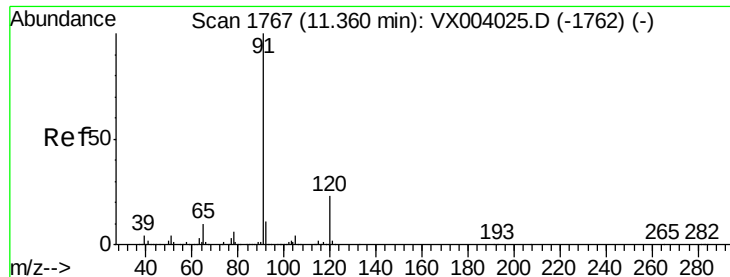
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Tgt Ion: 152 Resp: 220974
Ion Ratio Lower Upper
152 100
115 55.1 39.1 117.3
150 155.5 0.0 349.2





#78

n-propylbenzene

Concen: 0.53 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004139.D

Acq: 17 Aug 2018 18:23

Instrument :

MSVOA_X

ClientSampleId :

WC-1

Tot Ion: 91 Resp: 8897

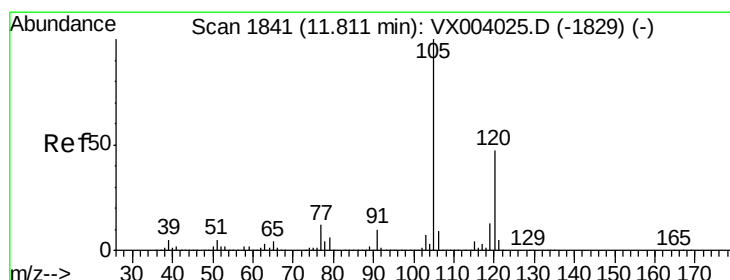
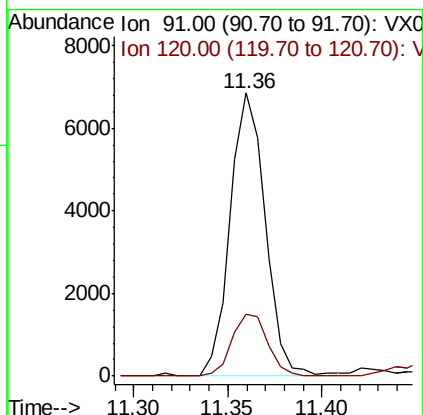
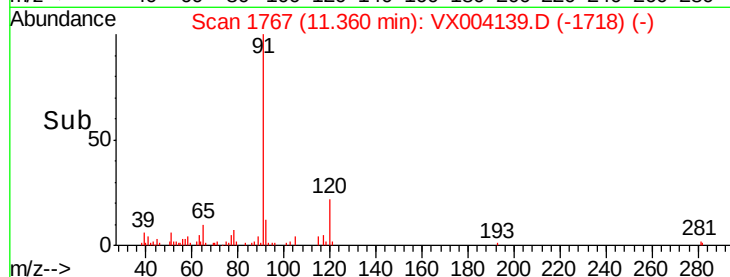
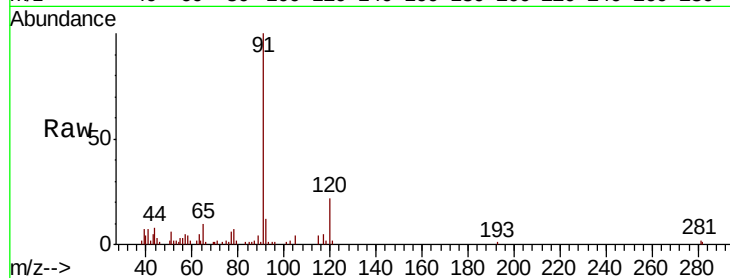
Ion Ratio Lower Upper

91 100

120 22.2 11.9 35.5

Manual Integrations
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MMDadoda
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#84

1,2,4-Trimethylbenzene

Concen: 0.36 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004139.D

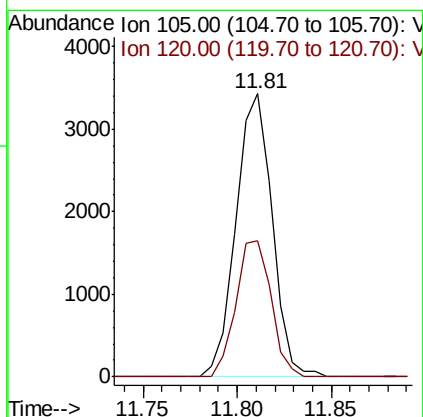
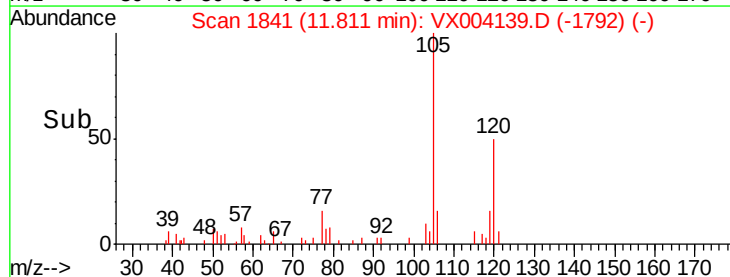
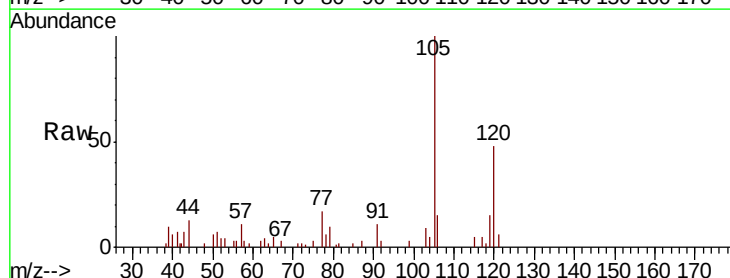
Acq: 17 Aug 2018 18:23

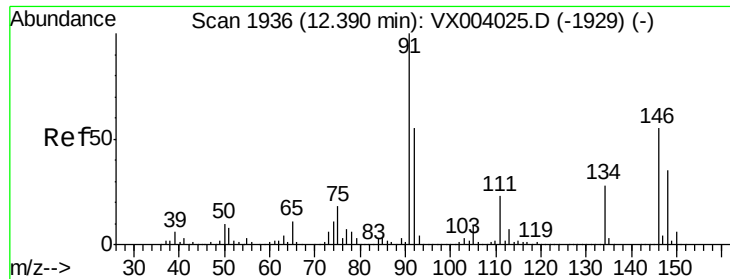
Tgt Ion: 105 Resp: 4557

Ion Ratio Lower Upper

105 100

120 47.0 23.1 69.2





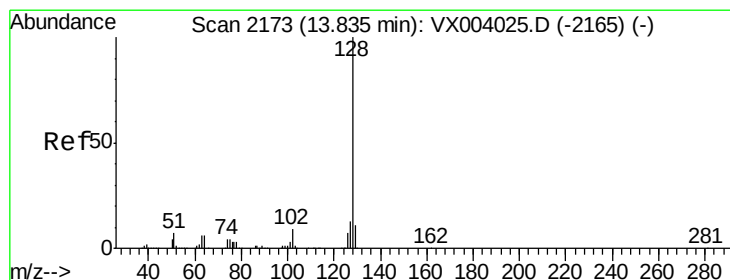
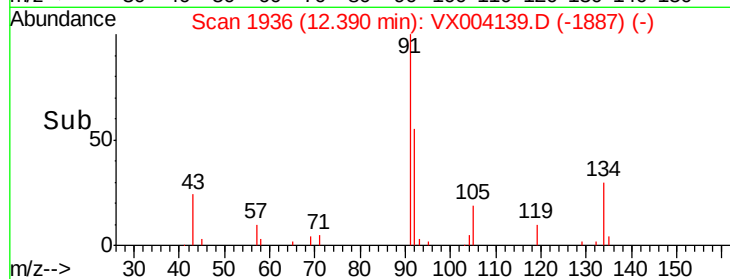
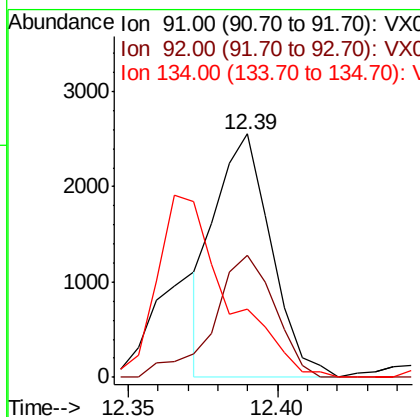
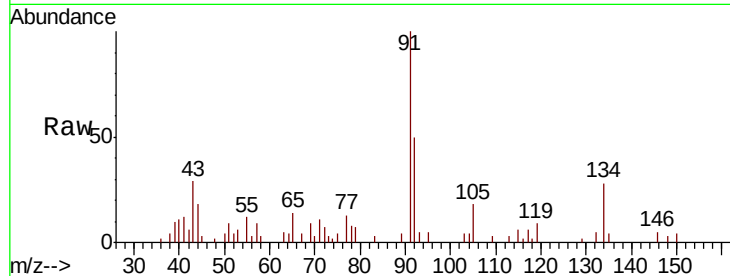
#89
n-Butylbenzene
Concen: 0.33 ug/l m
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Instrument :
MSVOA_X
ClientSampled :
WC-1

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.1	81.3
134	0.0	13.6	40.7#

Manual Integrations
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#95
Naphthalene
Concen: 1.44 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004139.D
Acq: 17 Aug 2018 18:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.2	15.2
129	12.5	8.8	13.2

