

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081018\
 Data File : VX003985.D
 Acq On : 10 Aug 2018 18:57
 Operator : JC/MD
 Sample : J4397-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Manual Integrations
 APPROVED

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 8/13/2018 11:02:08 AM

Quant Time: Aug 13 10:58:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	281761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	446365	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	432107	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	243514	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	201530	53.96	ug/l	0.00
Spiked Amount						
			Recovery	=	107.92%	
35) Dibromofluoromethane	5.51	113	174258	51.53	ug/l	0.00
Spiked Amount						
			Recovery	=	103.06%	
50) Toluene-d8	8.72	98	668721	50.85	ug/l	0.00
Spiked Amount						
			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.14	95	233451	54.86	ug/l	0.00
Spiked Amount						
			Recovery	=	109.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	324092	361.10	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	279032	26.04	ug/l	99
22) Diisopropyl ether	3.87	45	14817	1.38	ug/l	90
24) 1,1-Dichloroethane	3.70	63	2806	0.44	ug/l	97
31) Cyclohexane	5.58	56	11934	2.22	ug/l #	95
39) Methylcyclohexane	7.46	83	9343	1.59	ug/l	95
40) Benzene	6.15	78	148484	9.89	ug/l	99
52) Toluene	8.79	92	55175	5.82	ug/l	100
67) Ethyl Benzene	10.26	91	211378	11.48	ug/l	98
68) m/p-Xylenes	10.36	106	66218	9.21	ug/l	97
69) o-Xylene	10.70	106	24681	3.64	ug/l	93
73) Isopropylbenzene	11.02	105	41655	2.31	ug/l	96
78) n-propylbenzene	11.36	91	45419	2.25	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	15262	1.04	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	105395	7.14	ug/l	99
85) sec-Butylbenzene	11.95	105	7585	0.44	ug/l #	56
95) Naphthalene	13.83	128	32812	1.81	ug/l	99

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

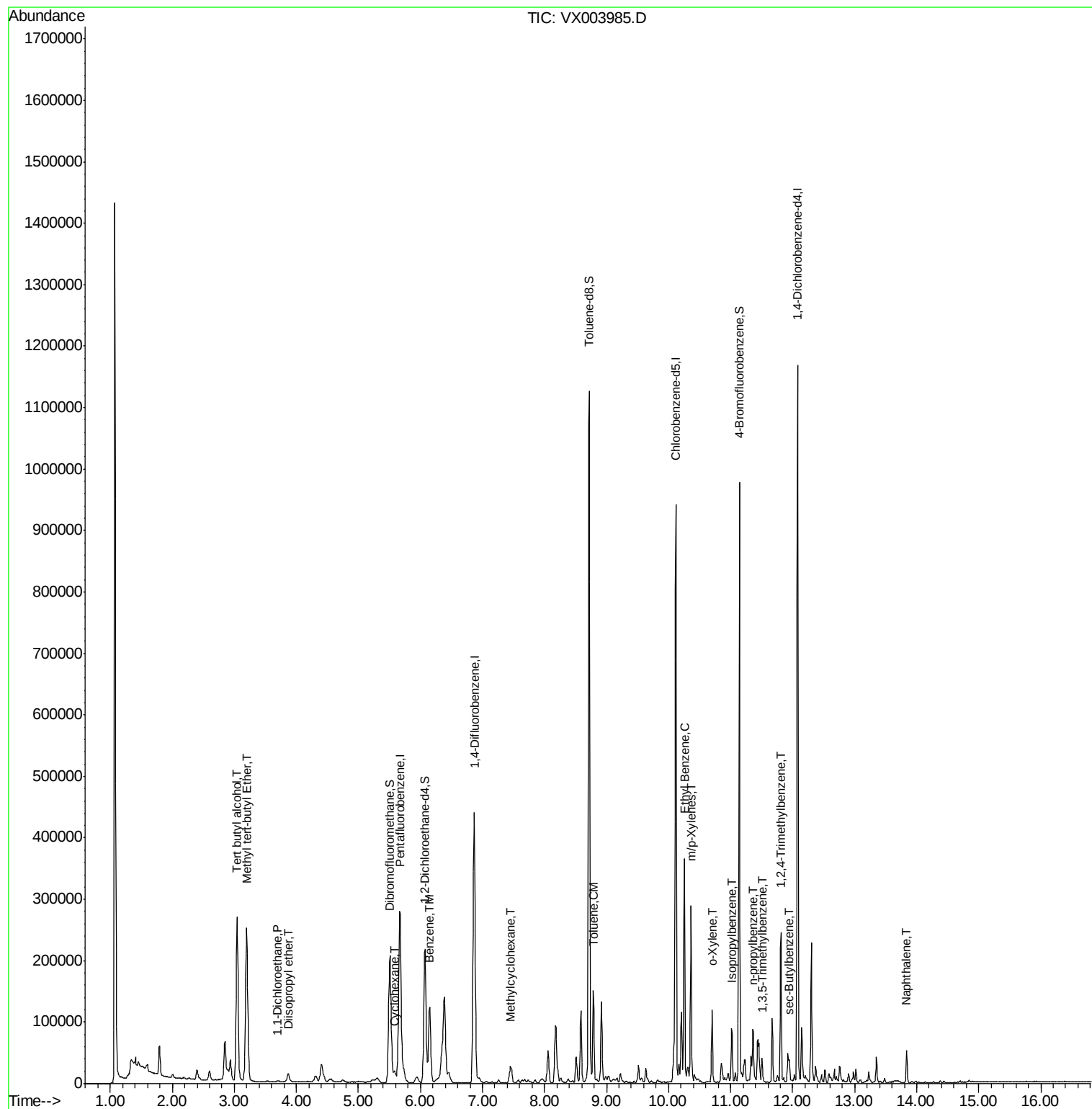
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081018\
Data File : VX003985.D
Acq On : 10 Aug 2018 18:57
Operator : JC/MD
Sample : J4397-05
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ALS Vial : 22 Sample Multiplier: 1

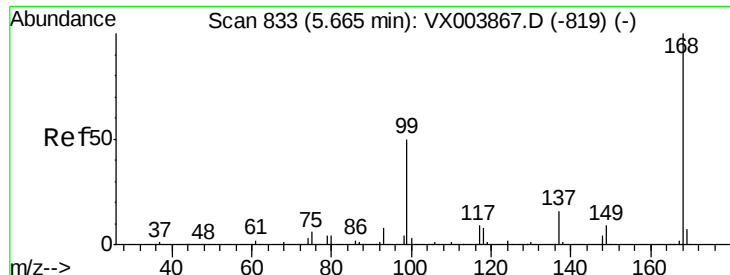
Instrument :
MSVOA_X
ClientSampleId :
MW-8

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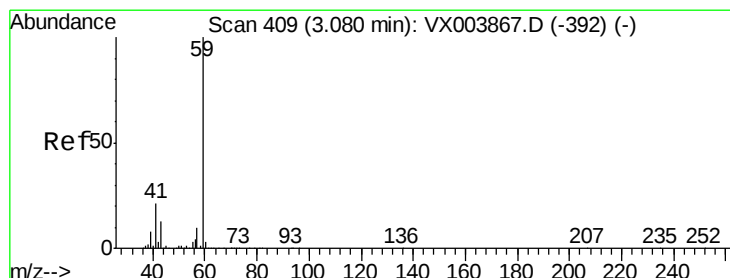
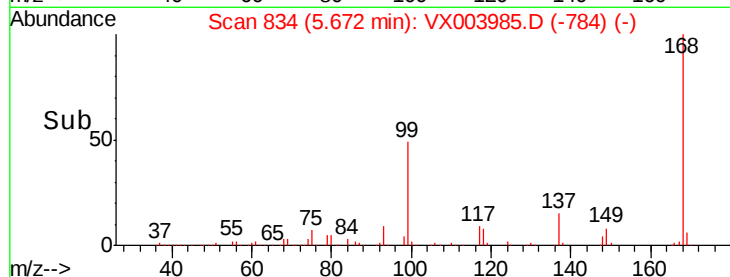
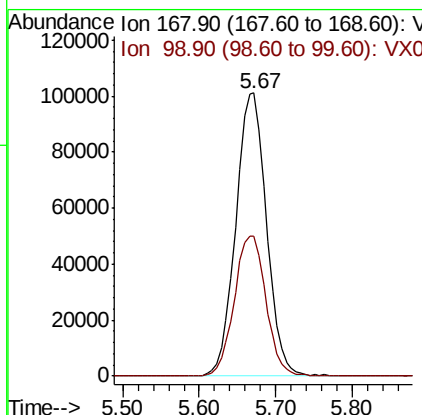
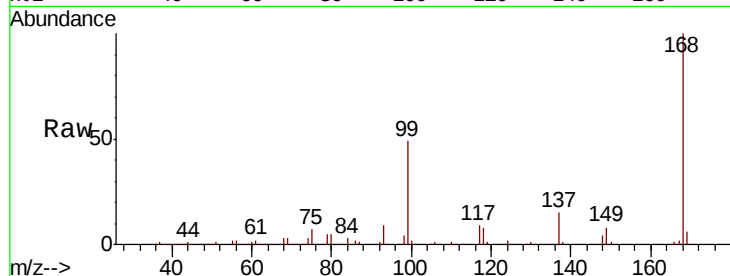
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.01 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Tot Ion	Ratio	Resp	Lower	Upper
168	100	281761		
99	49.5	40.1	60.1	

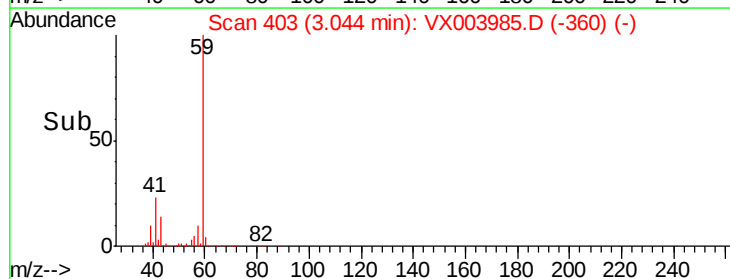
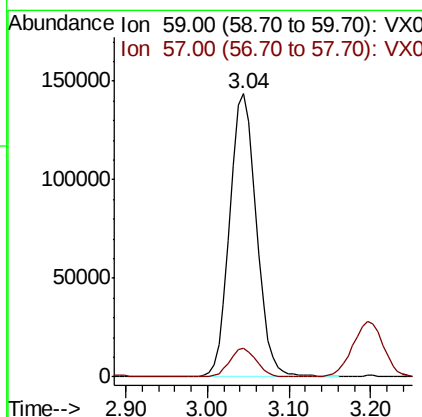
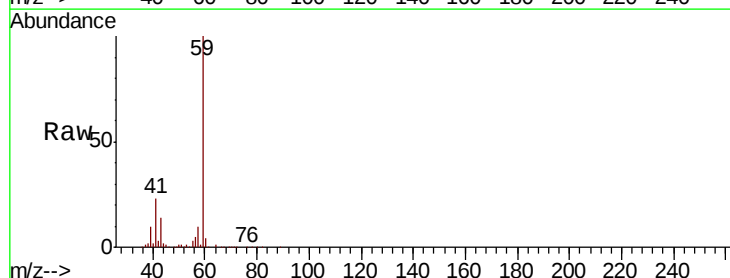
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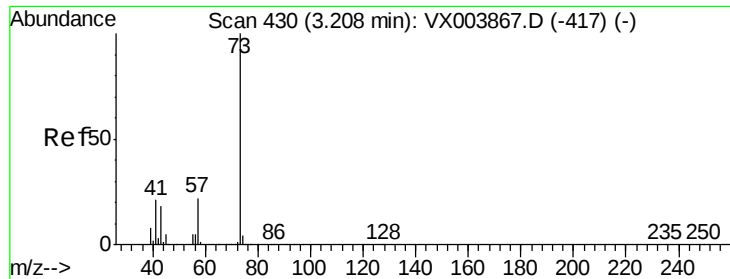
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#11
Tert butyl alcohol
Concen: 361.10 ug/l
RT: 3.04 min Scan# 403
Delta R.T. -0.04 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	324092		
57	10.1	8.1	12.1	





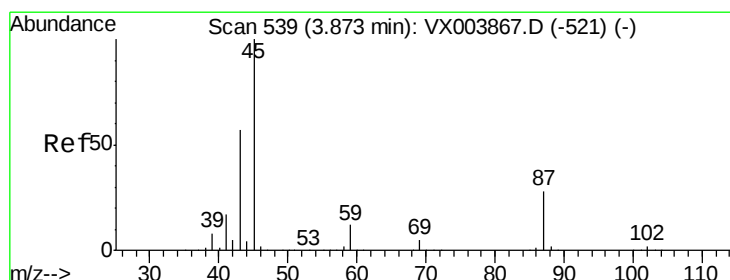
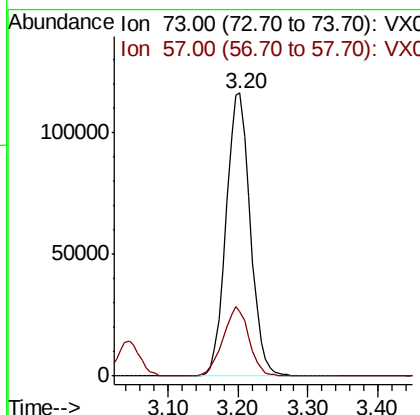
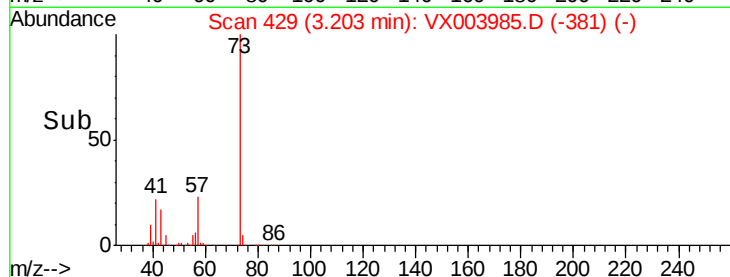
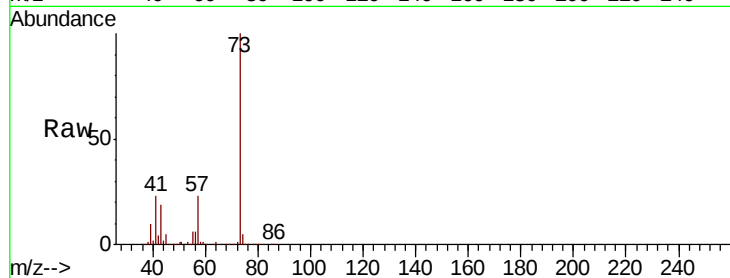
#19
Methvl tert-butvl Ether
Concen: 26.04 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0

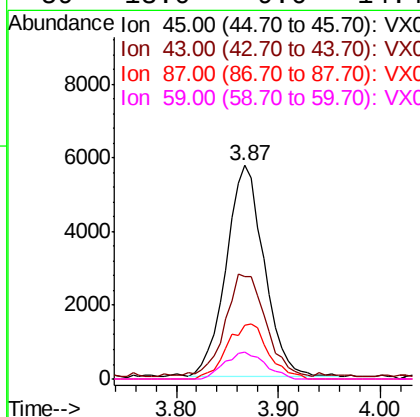
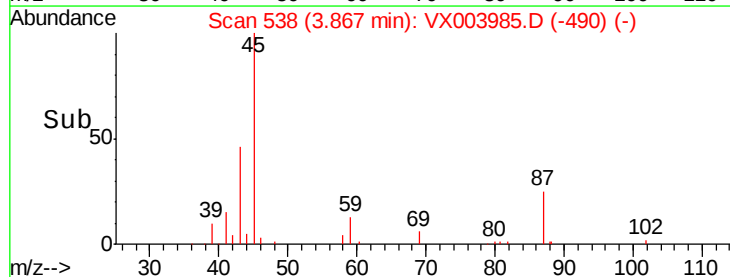
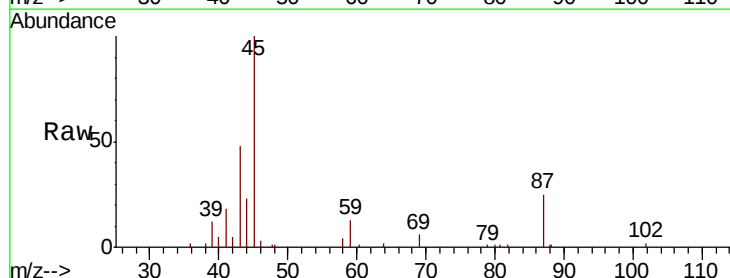
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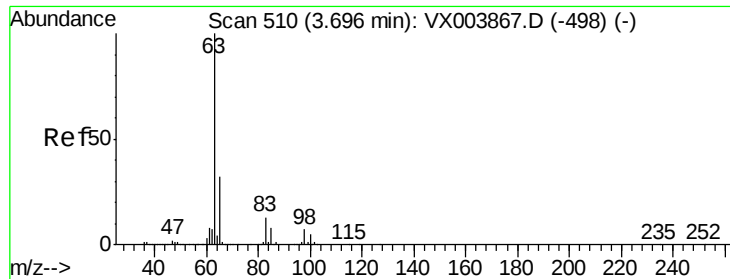
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#22
Diisopropyl ether
Concen: 1.38 ug/l
RT: 3.87 min Scan# 538
Delta R.T. -0.01 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	46.3	45.3	67.9
87	25.3	22.7	34.1
59	13.0	9.6	14.4





#24

1,1-Dichloroethane

Concen: 0.44 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003985.D

Acq: 10 Aug 2018 18:57

Instrument :

MSVOA_X

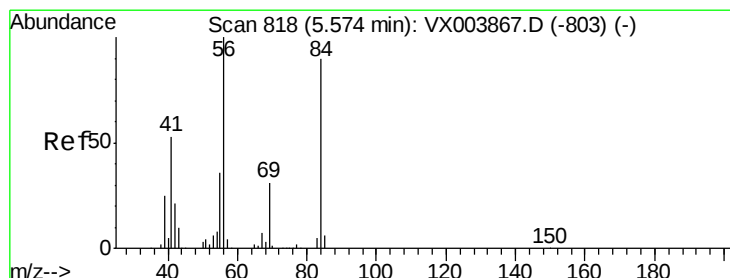
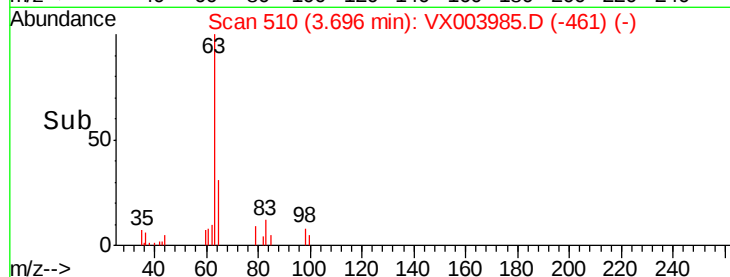
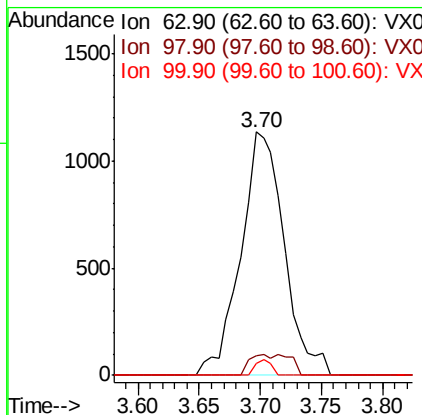
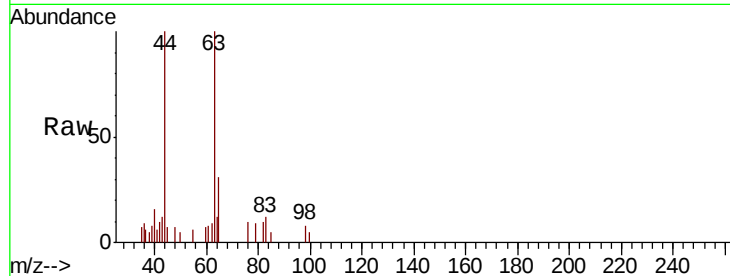
ClientSampleId :

MW-8

Tot Ion:	63	Resp:	2806
Ion	Ratio	Lower	Upper
63	100		
98	8.1	3.5	10.5
100	5.1	2.3	6.8

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#31

Cyclohexane

Concen: 2.22 ug/l

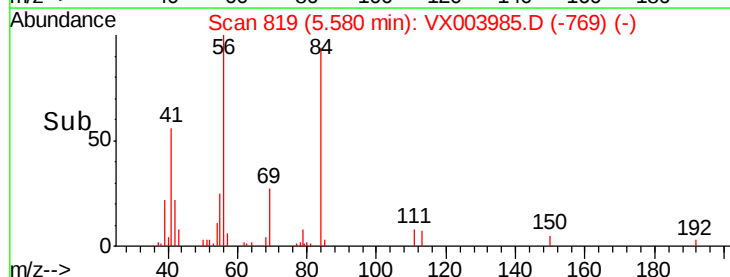
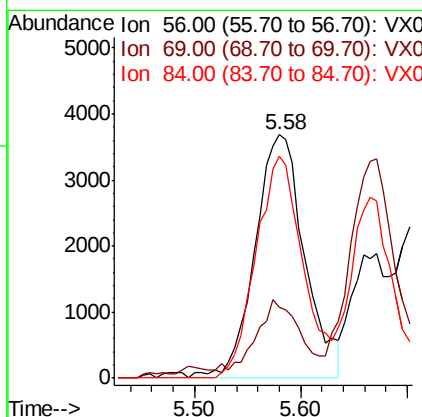
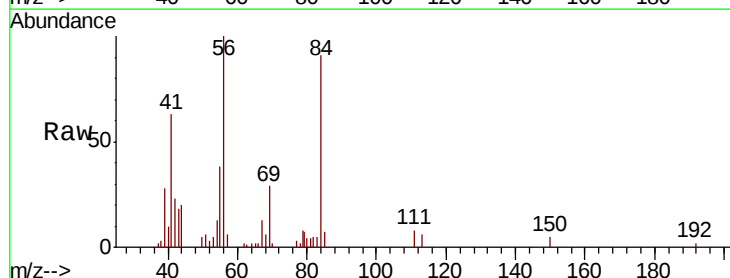
RT: 5.58 min Scan# 819

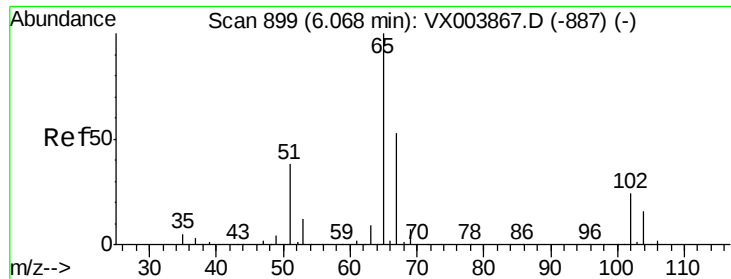
Delta R.T. 0.01 min

Lab File: VX003985.D

Acq: 10 Aug 2018 18:57

Tgt Ion:	56	Resp:	11934
Ion	Ratio	Lower	Upper
56	100		
69	24.4	24.9	37.3#
84	91.4	71.7	107.5





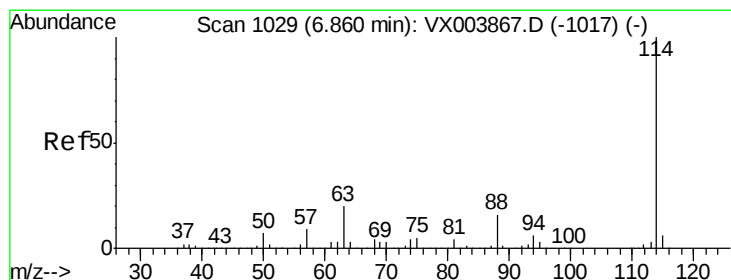
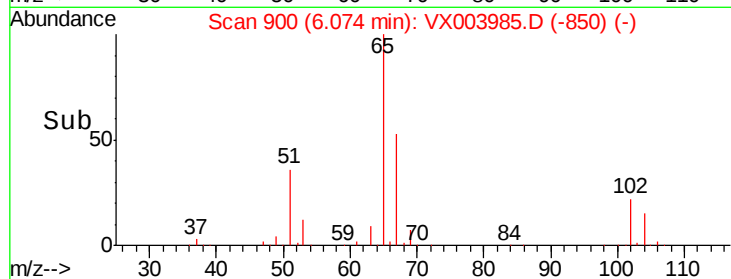
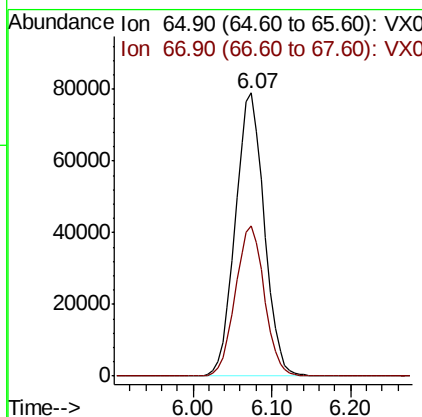
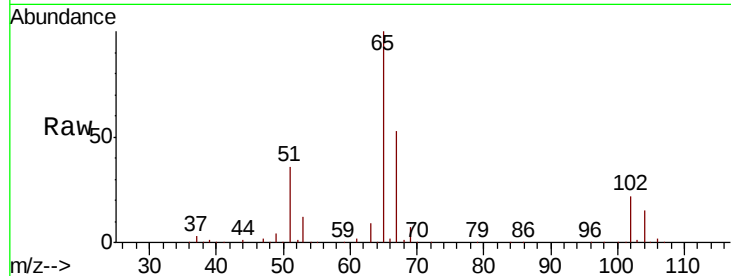
#33
 1,2-Dichloroethane-d4
 Concen: 53.96 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003985.D
 Acq: 10 Aug 2018 18:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-8

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201530		
67	53.3	0.0	105.8	

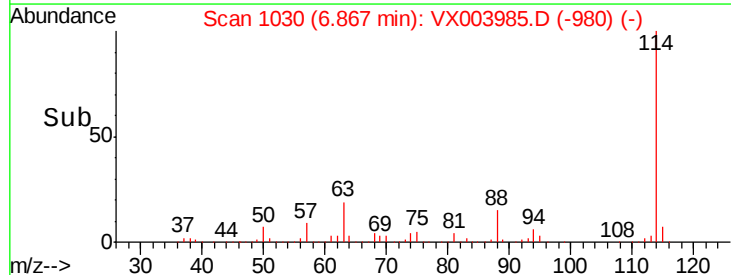
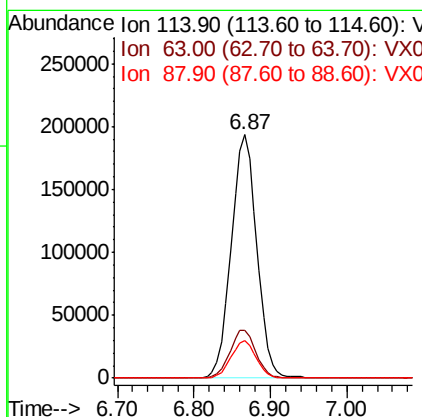
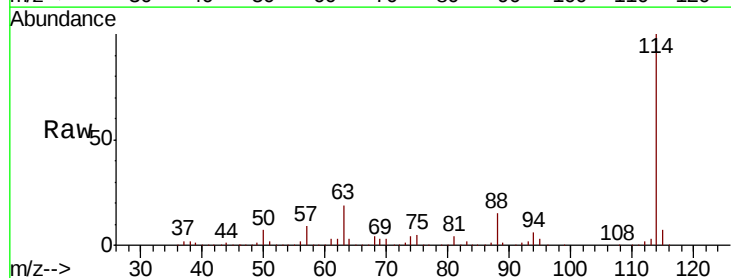
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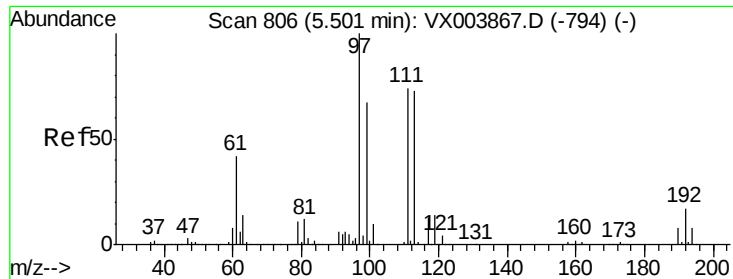
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003985.D
 Acq: 10 Aug 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	446365		
63	19.5	0.0	39.0	
88	15.3	0.0	32.0	





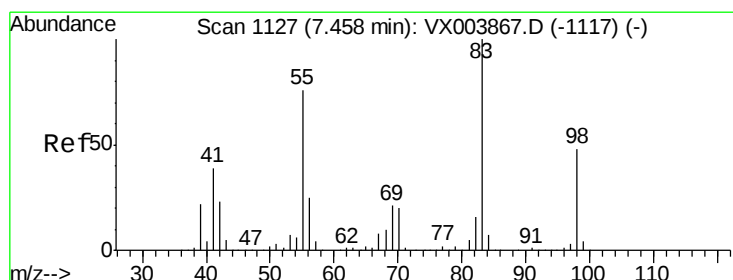
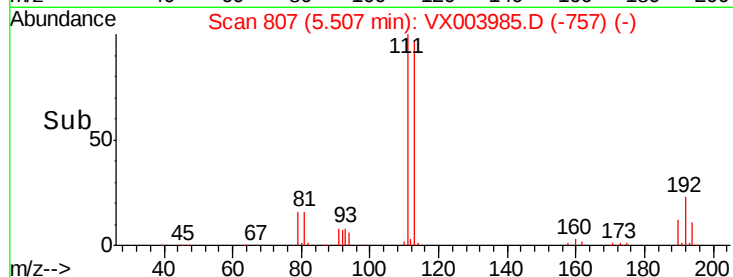
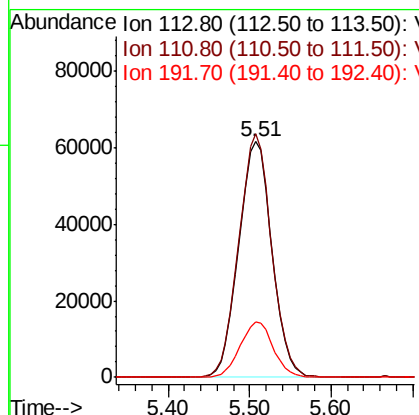
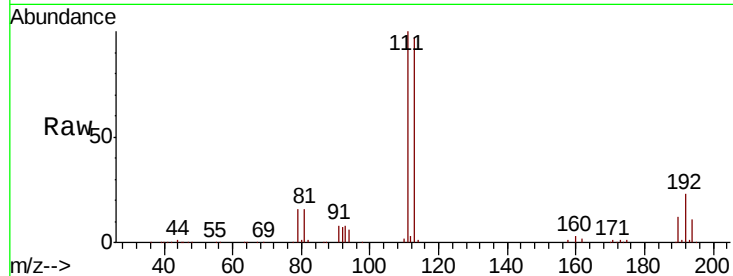
#35
 Dibromofluoromethane
 Concen: 51.53 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003985.D
 Acq: 10 Aug 2018 18:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174258		
111	101.8	82.0	123.0	
192	23.4	19.0	28.4	

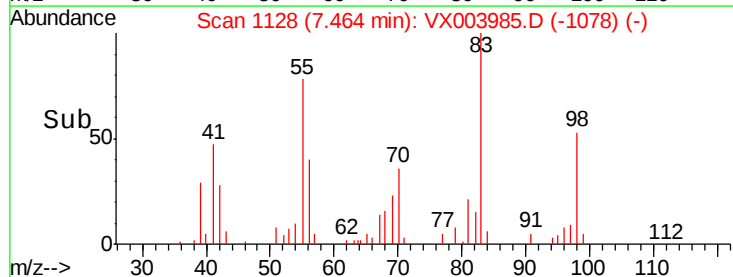
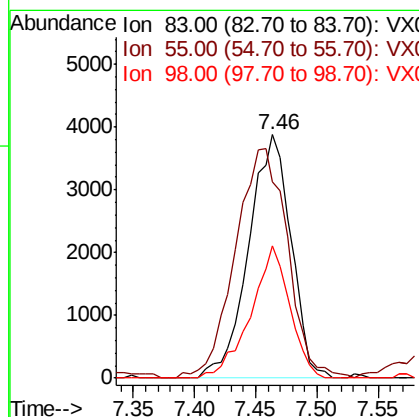
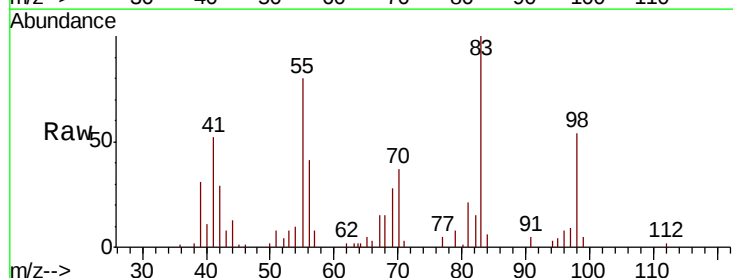
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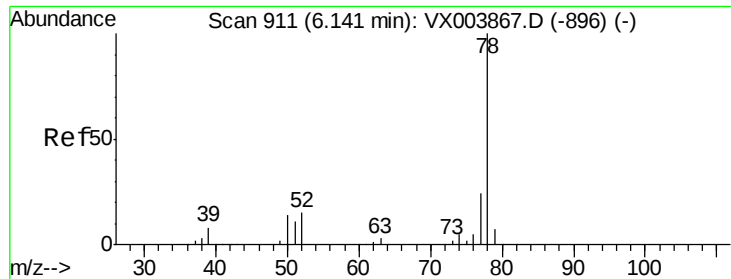
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#39
 Methylcyclohexane
 Concen: 1.59 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VX003985.D
 Acq: 10 Aug 2018 18:57

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	9343		
55	78.8	61.0	91.6	
98	54.2	38.6	57.8	





#40

Benzene

Concen: 9.89 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003985.D

Acq: 10 Aug 2018 18:57

Instrument :

MSVOA_X

ClientSampled :

MW-8

Tot Ion: 78 Resp: 148484

Ion Ratio Lower Upper

78 100

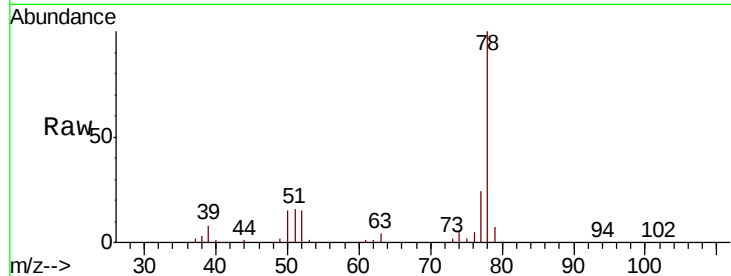
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Manual Integrations

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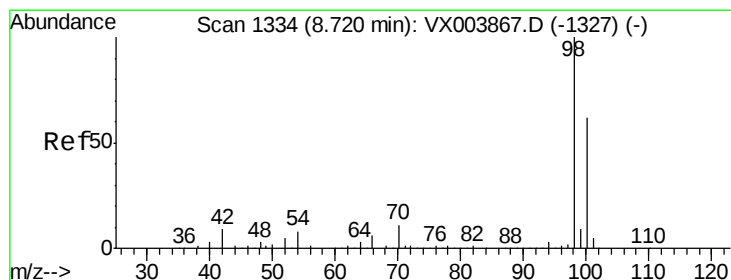
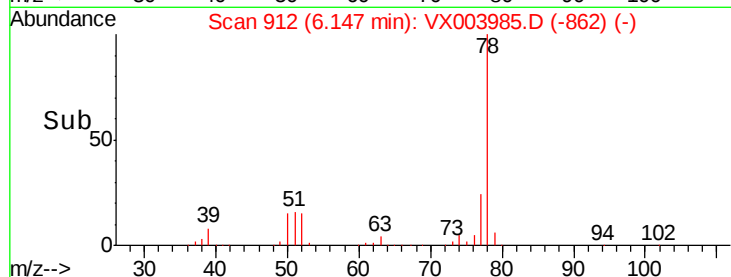
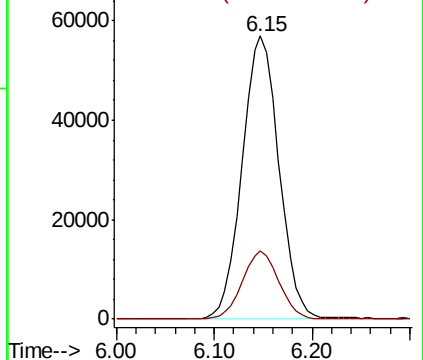
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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003985.D

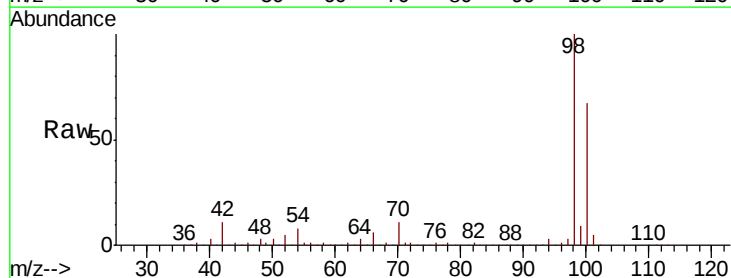
Acq: 10 Aug 2018 18:57

Tgt Ion: 98 Resp: 668721

Ion Ratio Lower Upper

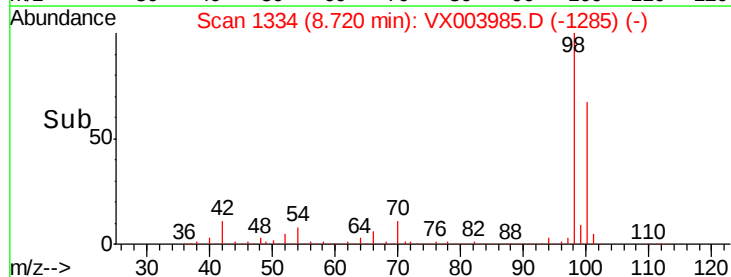
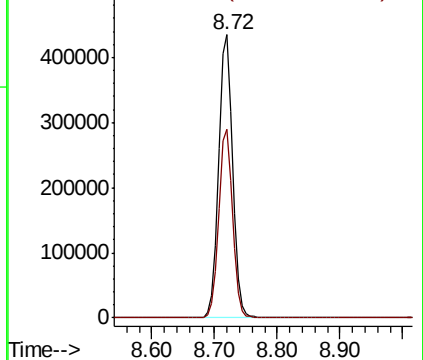
98 100

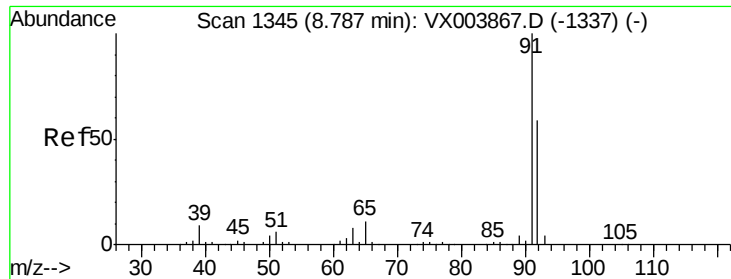
100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 5.82 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003985.D

Acq: 10 Aug 2018 18:57

Instrument :

MSVOA_X

ClientSampleId :

MW-8

Tot Ion: 92 Resp: 55175

Ion Ratio Lower Upper

92 100

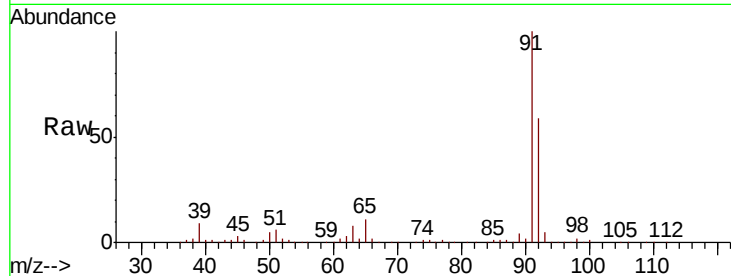
91 170.0 136.1 204.1

Manual Integrations

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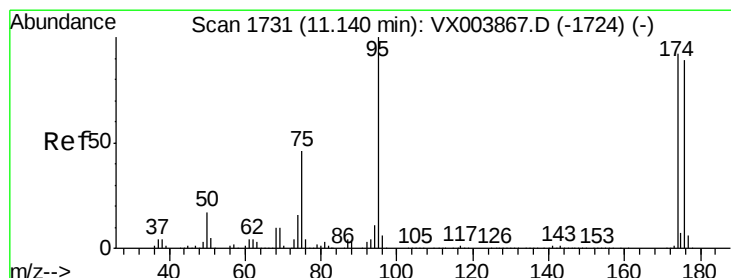
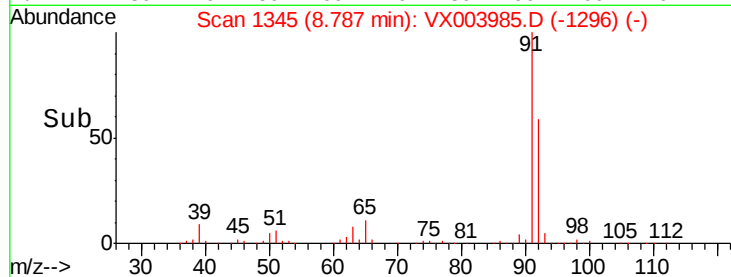
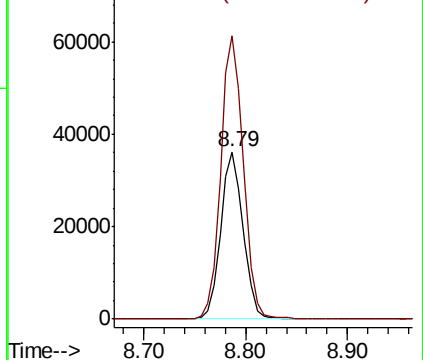
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.86 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003985.D

Acq: 10 Aug 2018 18:57

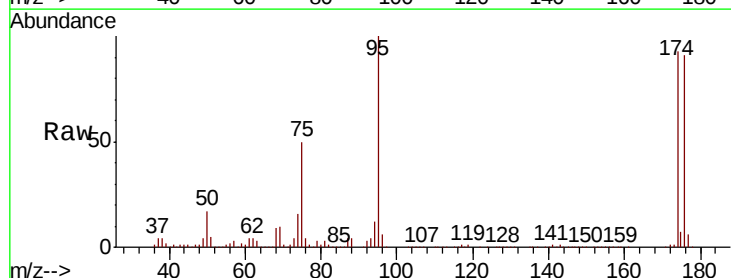
Tgt Ion: 95 Resp: 233451

Ion Ratio Lower Upper

95 100

174 91.5 0.0 182.8

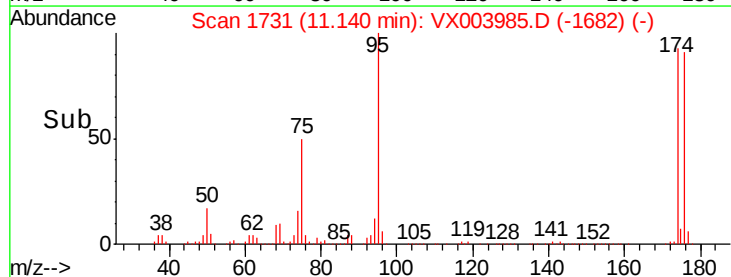
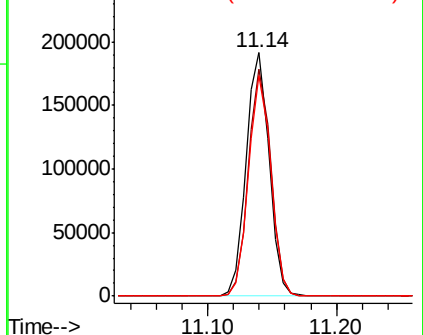
176 88.5 0.0 179.0

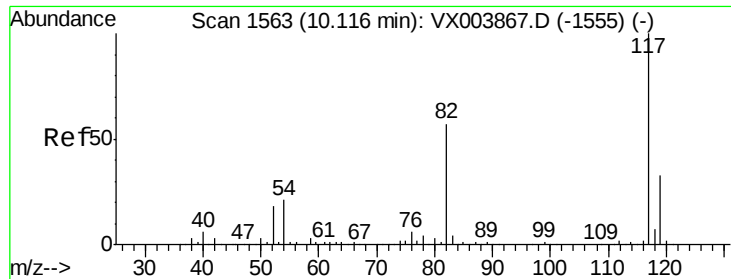


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





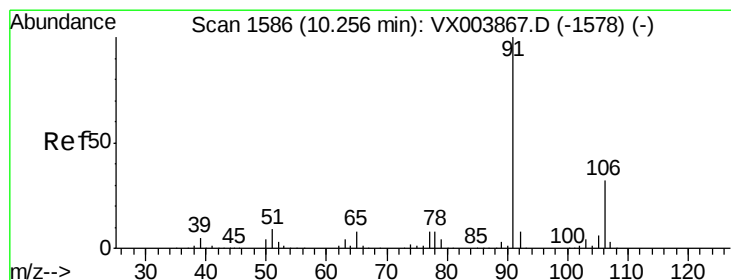
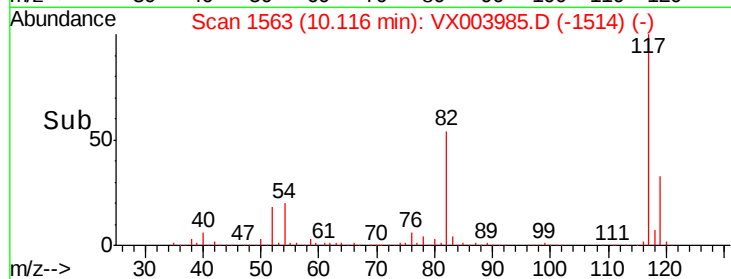
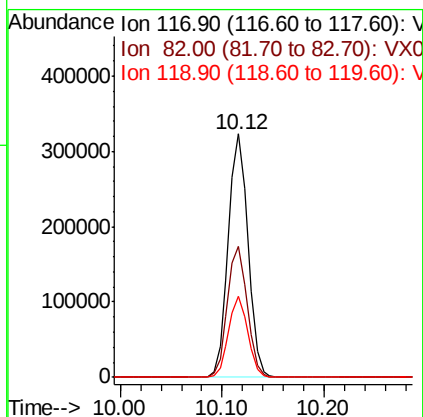
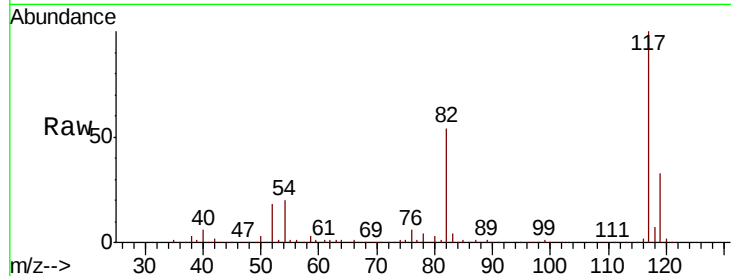
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.4	68.0
119	33.2	26.6	40.0

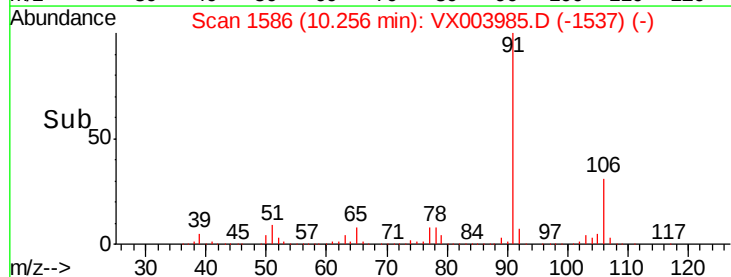
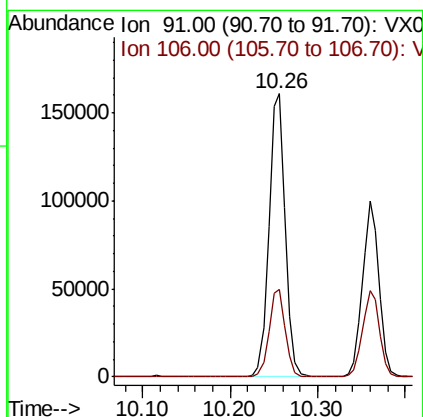
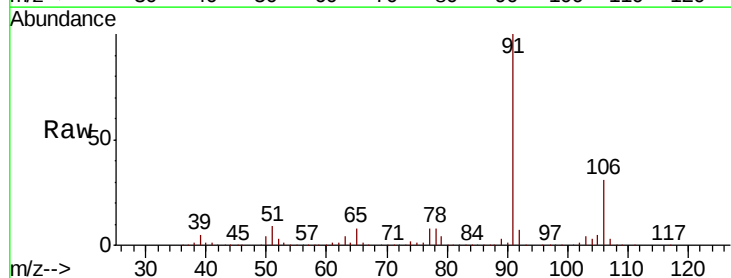
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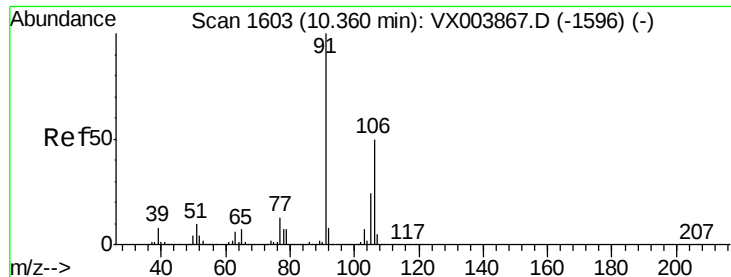
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#67
Ethyl Benzene
Concen: 11.48 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.0	25.9	38.9





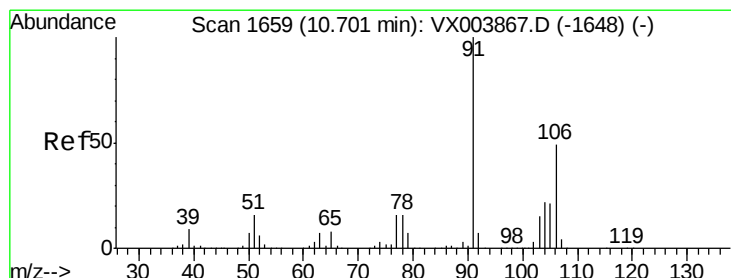
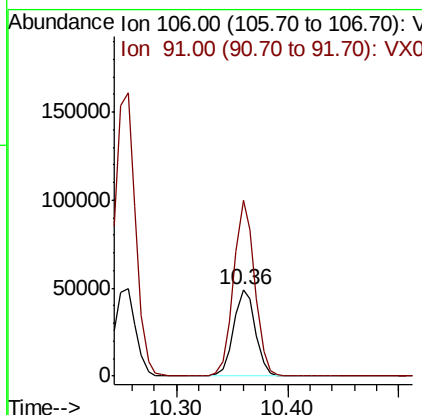
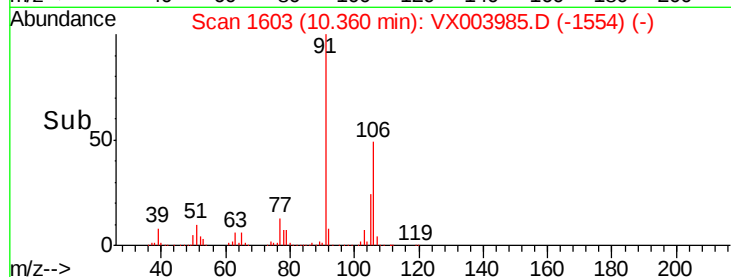
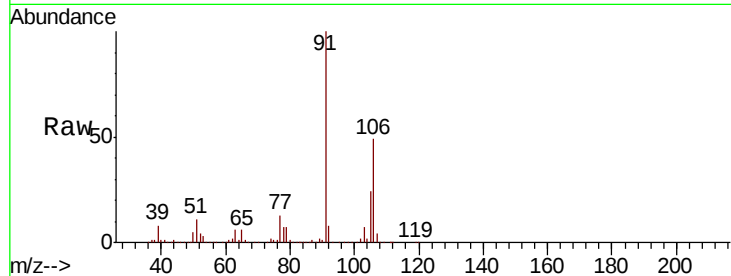
#68
m/p-Xylenes
Concen: 9.21 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	197.7	162.3	243.5	

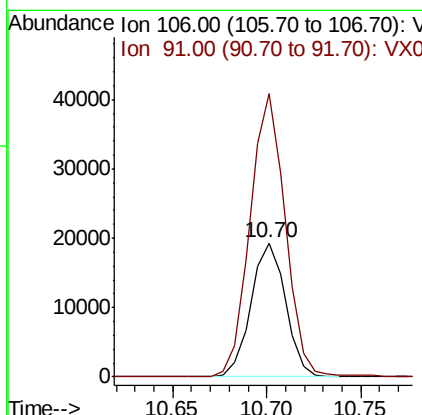
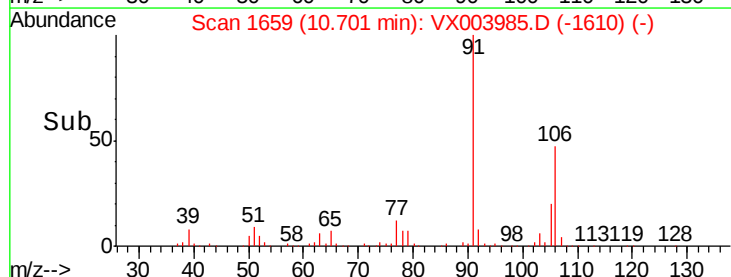
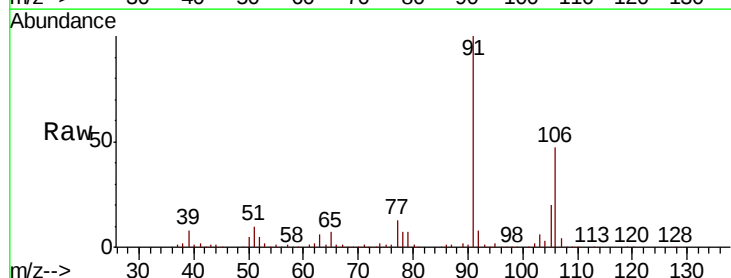
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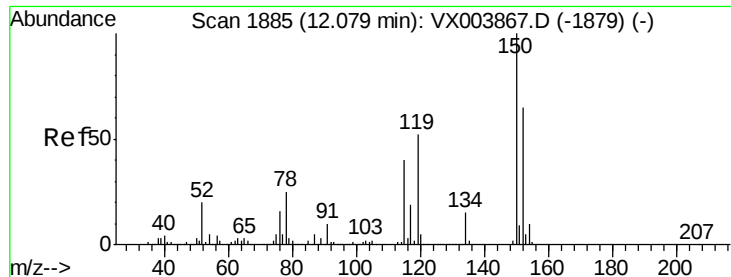
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#69
o-Xylene
Concen: 3.64 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.9	101.9	305.7	





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003985.D

Acq: 10 Aug 2018 18:57

Instrument :

MSVOA_X

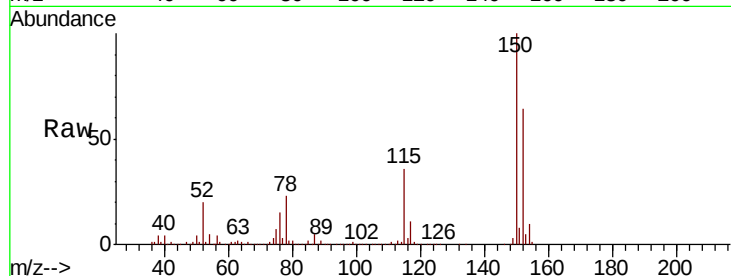
ClientSampleId :

MW-8

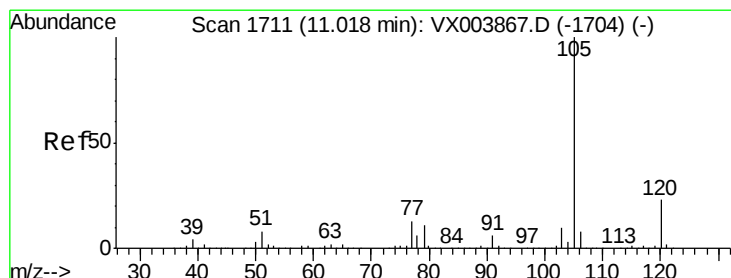
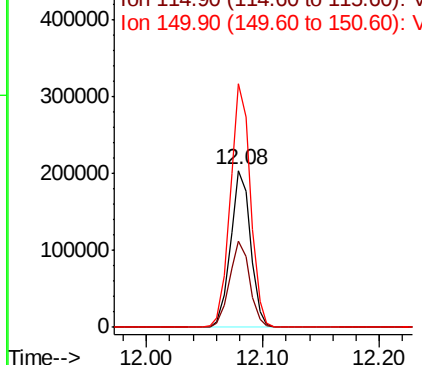
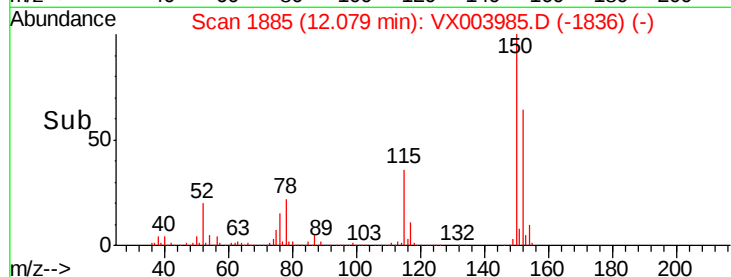
Tot Ion:	152	Resp:	243514
Ion Ratio	Lower	Upper	
152	100		
115	55.0	39.1	117.3
150	156.6	0.0	349.2

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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: 2.31 ug/l

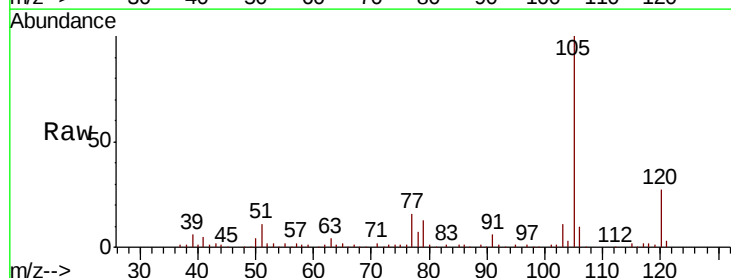
RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

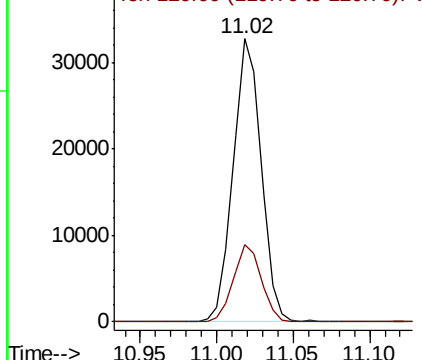
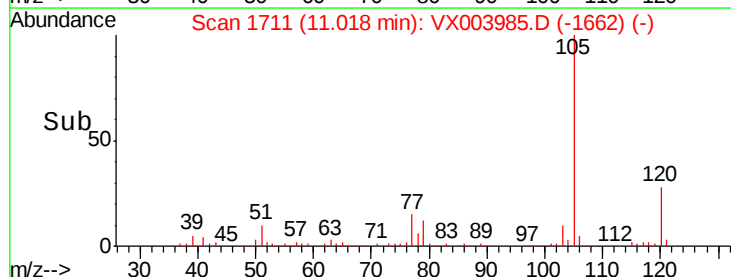
Lab File: VX003985.D

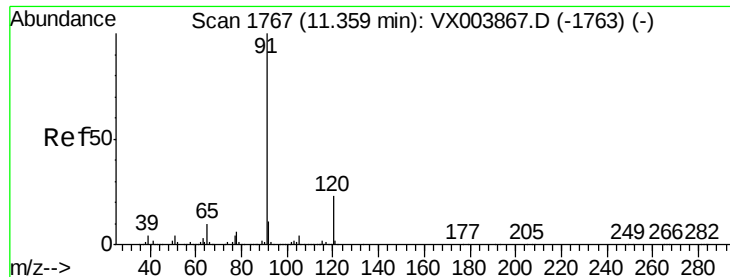
Acq: 10 Aug 2018 18:57

Tgt Ion:	105	Resp:	41655
Ion Ratio	Lower	Upper	
105	100		
120	27.2	12.6	37.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 2.25 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003985.D

Acq: 10 Aug 2018 18:57

Instrument :

MSVOA_X

ClientSampled :

MW-8

Tot Ion: 91 Resp: 45419

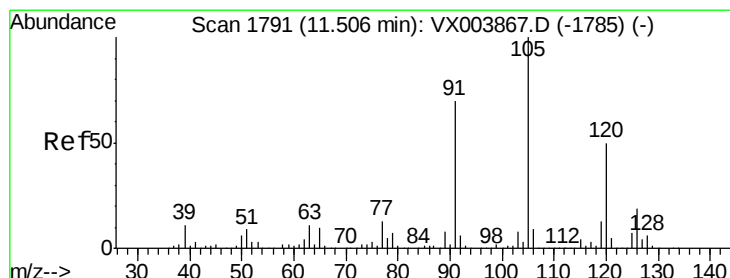
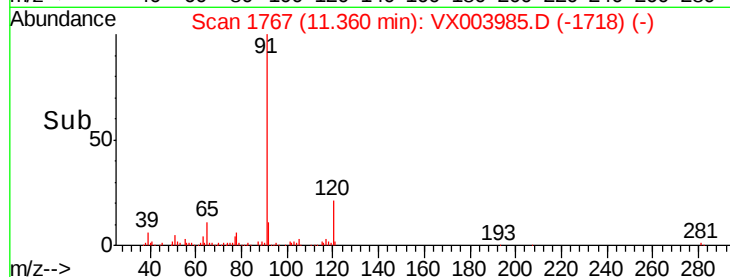
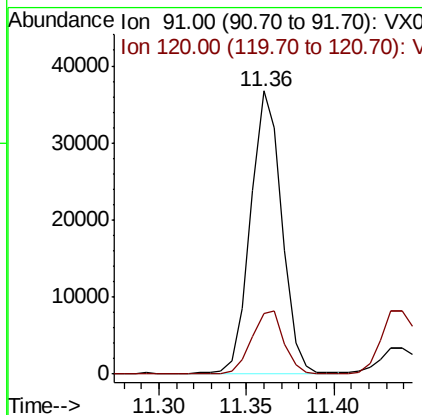
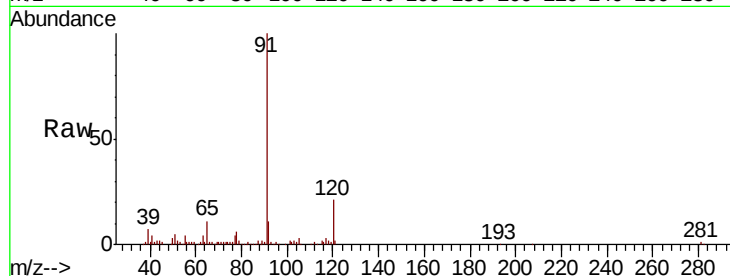
Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.5

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#80

1,3,5-Trimethylbenzene

Concen: 1.04 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003985.D

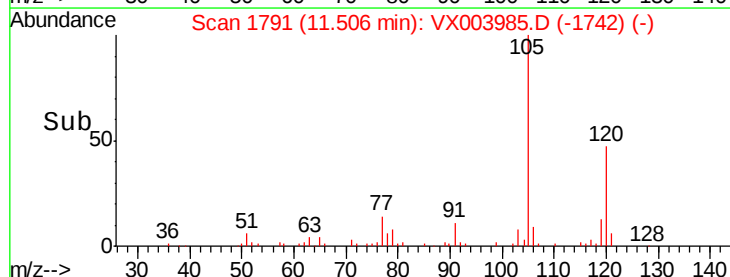
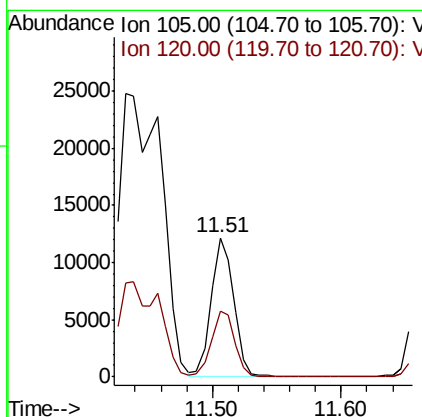
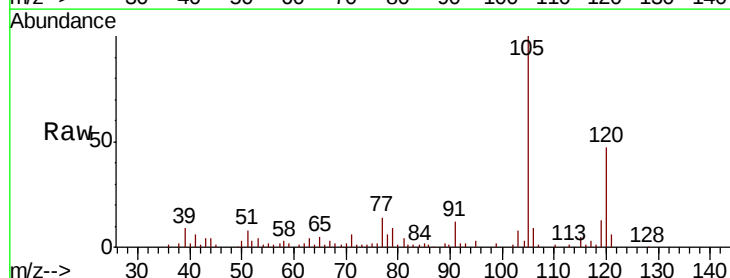
Acq: 10 Aug 2018 18:57

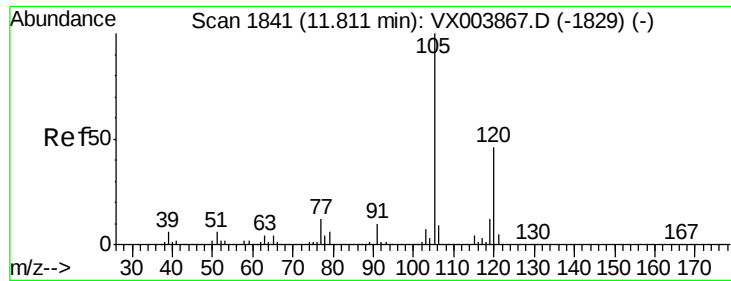
Tgt Ion: 105 Resp: 15262

Ion Ratio Lower Upper

105 100

120 48.1 25.4 76.2





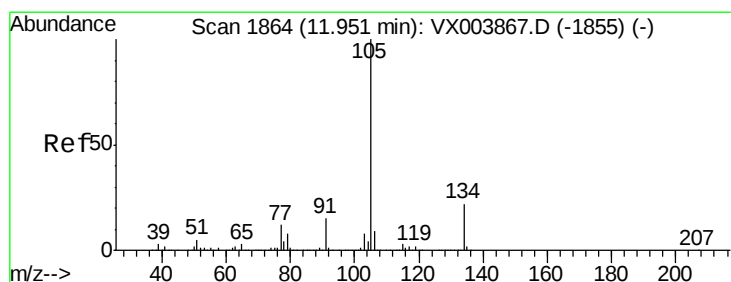
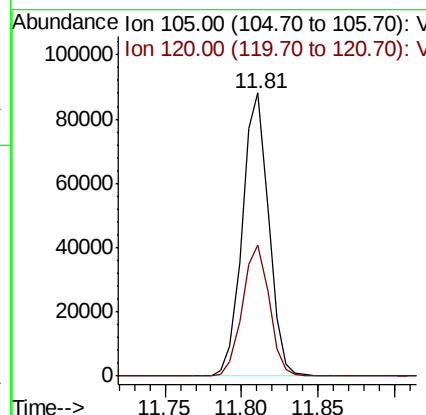
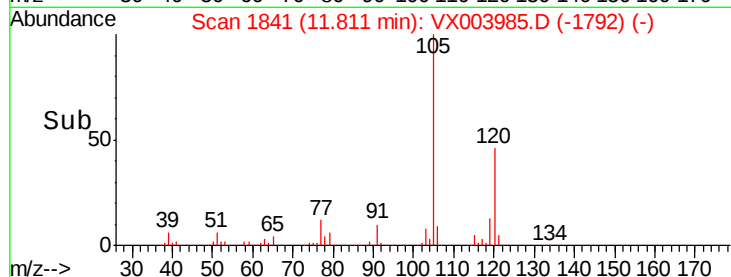
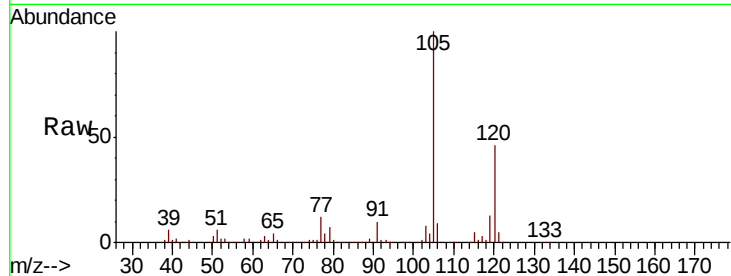
#84
 1,2,4-Trimethylbenzene
 Concen: 7.14 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003985.D
 Acq: 10 Aug 2018 18:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-8

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.1	69.2

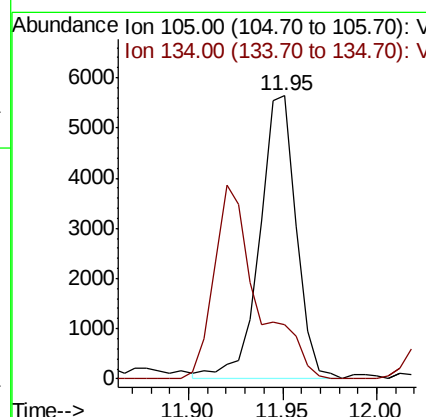
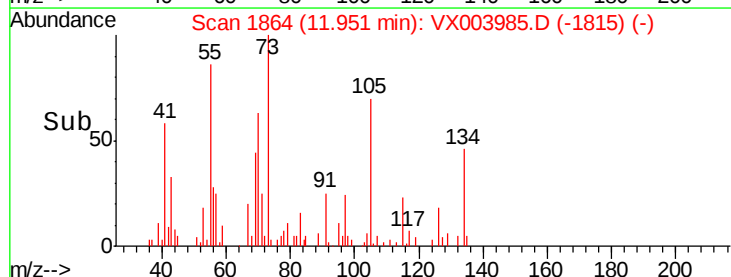
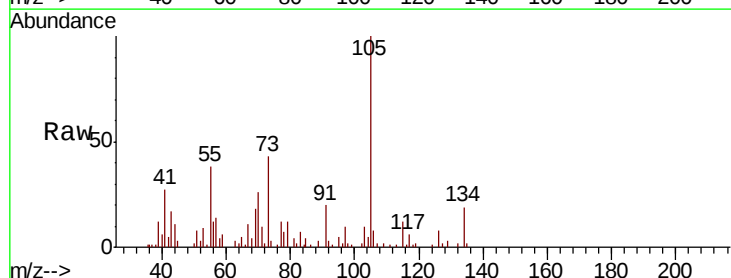
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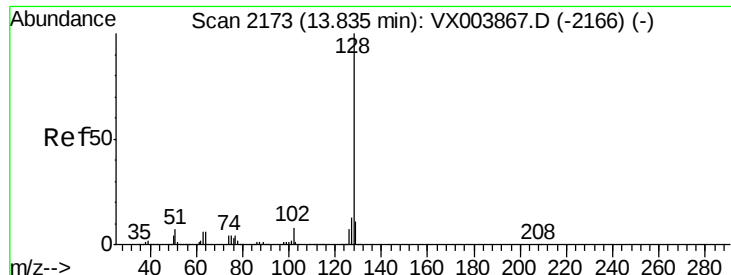
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#85
 sec-Butylbenzene
 Concen: 0.44 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003985.D
 Acq: 10 Aug 2018 18:57

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.3	30.9#





#95
Naphthalene
Concen: 1.81 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003985.D
Acq: 10 Aug 2018 18:57

Instrument :
MSVOA_X
ClientSampleId :
MW-8

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	11.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
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