

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007410.D
 Acq On : 06 Feb 2019 19:57
 Operator : JC/SP
 Sample : K1392-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 9:53:11 AM

Quant Time: Feb 07 09:43:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	536250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	823446	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	791266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	406638	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	289043	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	5.51	113	260120	48.55	ug/l	0.00
Spiked Amount			Recovery	=	97.10%	
50) Toluene-d8	8.71	98	997805	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	11.13	95	372031	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	54334	9.169	ug/l	97
16) Acetone	2.45	43	21962	8.423	ug/l	95
17) Carbon Disulfide	2.57	76	7192	2.635	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	16080	2.948	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	1562667	262.310	ug/l	91
31) Cyclohexane	5.58	56	7831	0.989	ug/l #	72
39) Methylcyclohexane	7.46	83	12252	1.371	ug/l	91
40) Benzene	6.14	78	32414	1.489	ug/l #	85
44) Trichloroethene	7.21	130	3463	0.528	ug/l	80
52) Toluene	8.79	92	619743	44.136	ug/l	98
64) Tetrachloroethene	9.34	164	3724	0.499	ug/l	91
67) Ethyl Benzene	10.25	91	241506	8.685	ug/l	98
68) m/p-Xylenes	10.36	106	668594	60.488	ug/l	99
69) o-Xylene	10.69	106	415321	39.048	ug/l	100
73) Isopropylbenzene	11.02	105	27954	1.012	ug/l	99
78) n-propylbenzene	11.36	91	75205	2.482	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	699058	30.922	ug/l	99
83) tert-Butylbenzene	11.77	119	43272	1.933	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	1052126	45.841	ug/l	98
85) sec-Butylbenzene	11.94	105	26669m	0.984	ug/l	
86) p-Isopropyltoluene	12.06	119	80777	3.303	ug/l	98
95) Naphthalene	13.83	128	353329	12.884	ug/l	99

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

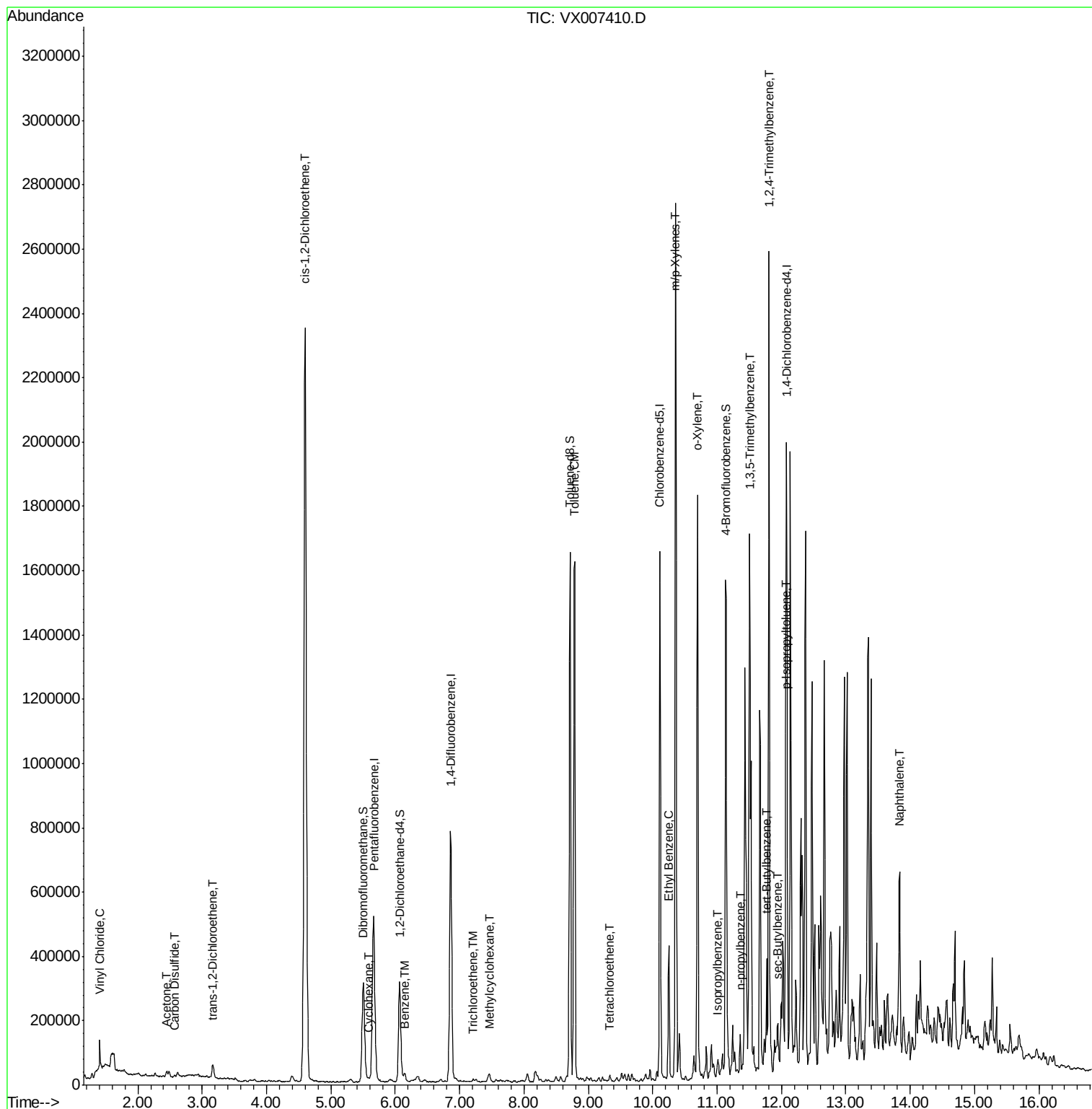
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007410.D
Acq On : 06 Feb 2019 19:57
Operator : JC/SP
Sample : K1392-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

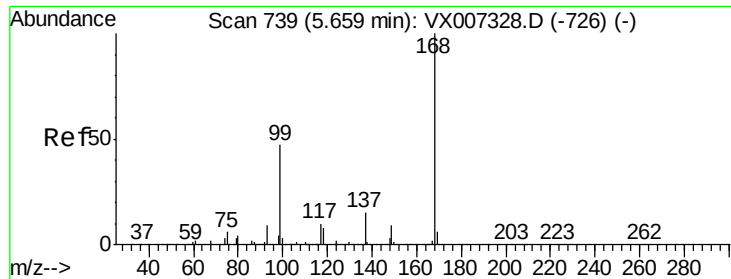
Instrument :
MSVOA_X
ClientSampleId :
MW-11

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Quant Time: Feb 07 09:43:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion:168 Resp: 536250

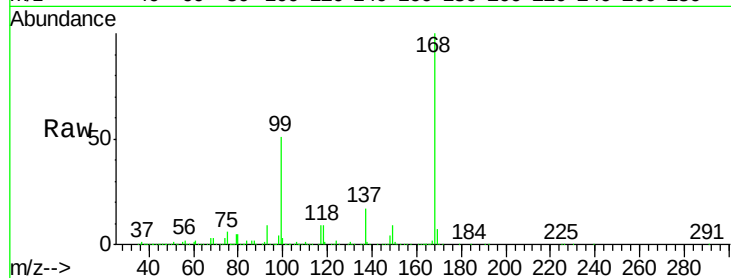
Ion Ratio Lower Upper

168 100

99 50.7 37.9 56.9

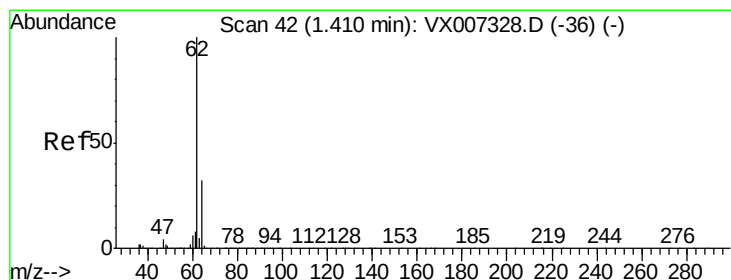
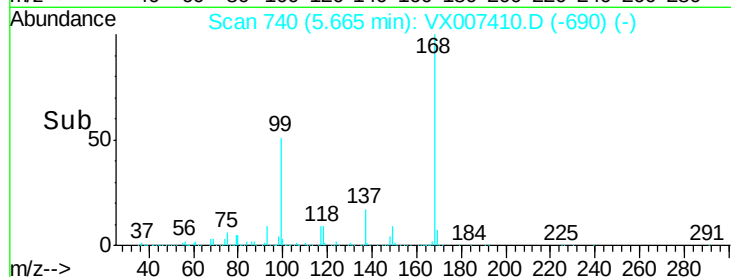
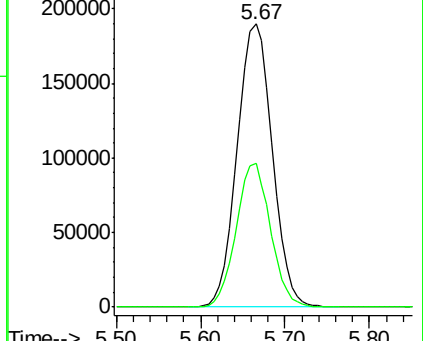
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 9.169 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007410.D

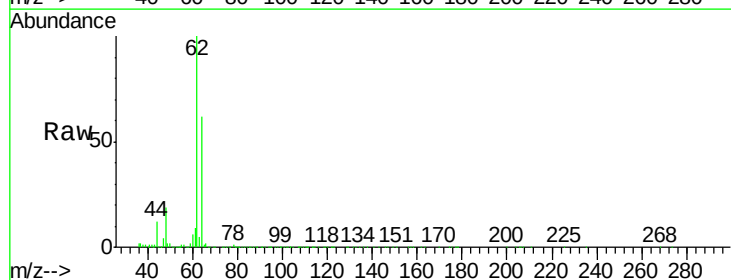
Acq: 06 Feb 2019 19:57

Tgt Ion: 62 Resp: 54334

Ion Ratio Lower Upper

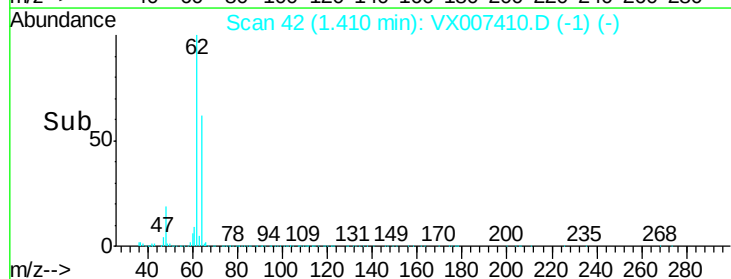
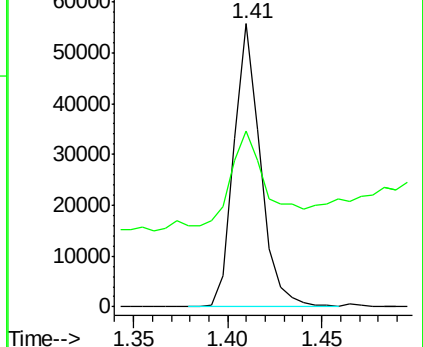
62 100

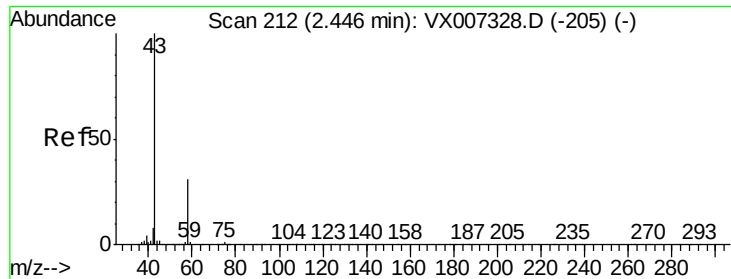
64 33.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





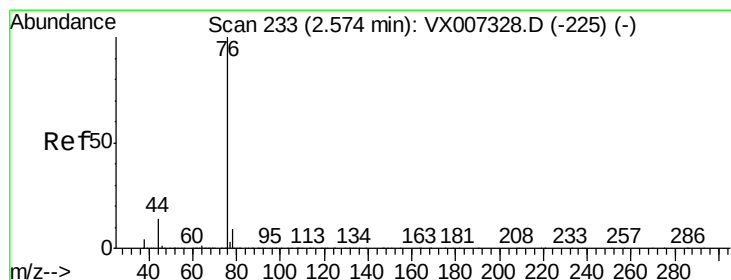
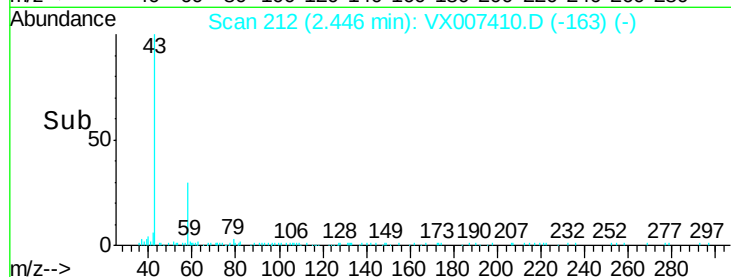
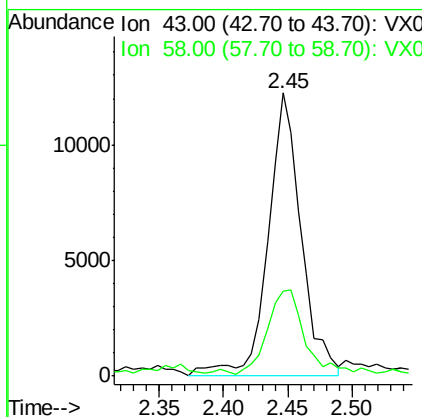
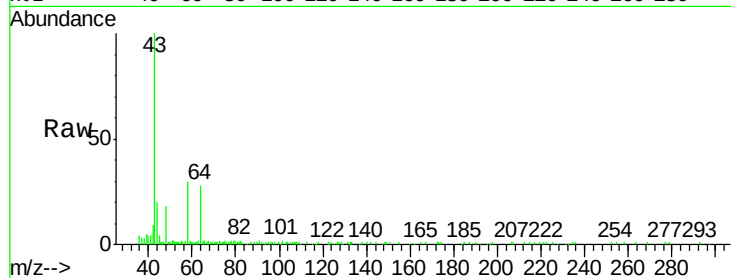
#16
Acetone
Concen: 8.423 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Lower	Upper
43	100		
58	28.2	24.9	37.3

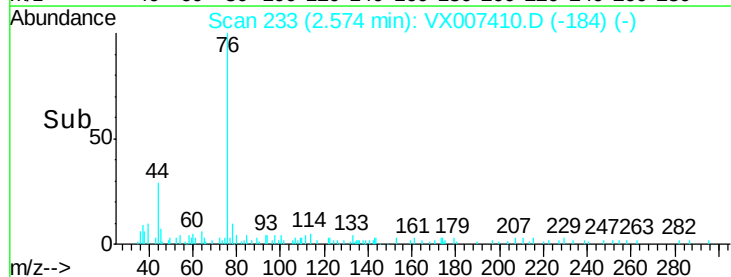
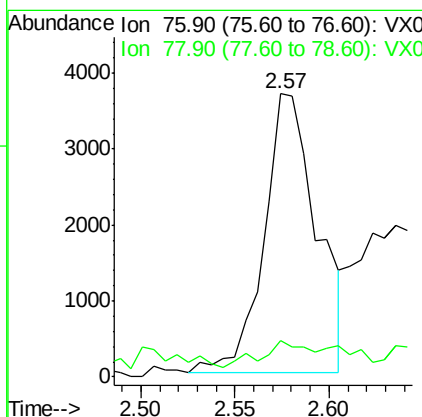
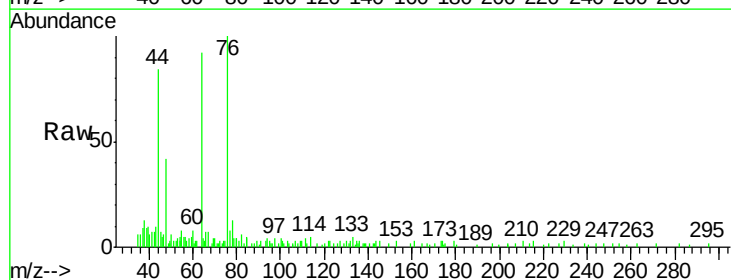
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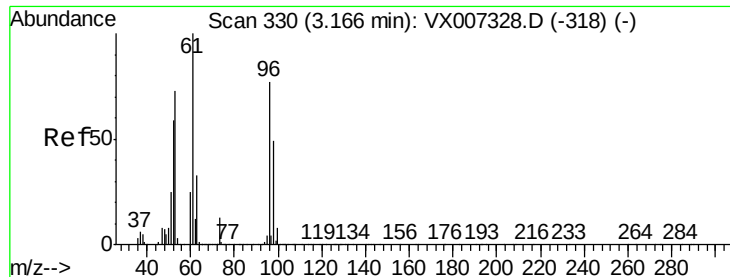
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#17
Carbon Disulfide
Concen: 2.635 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.5	7.1	10.7





#21

trans-1,2-Dichloroethene

Concen: 2.948 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

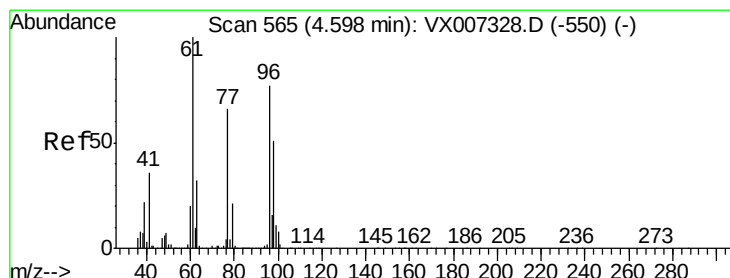
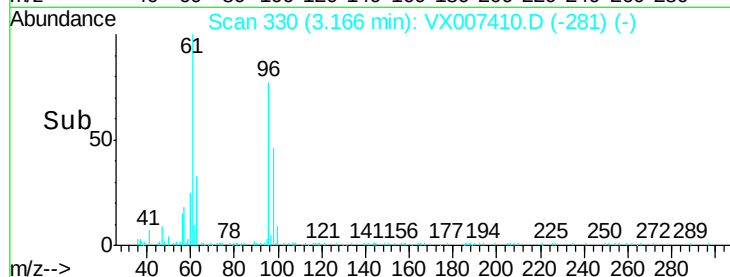
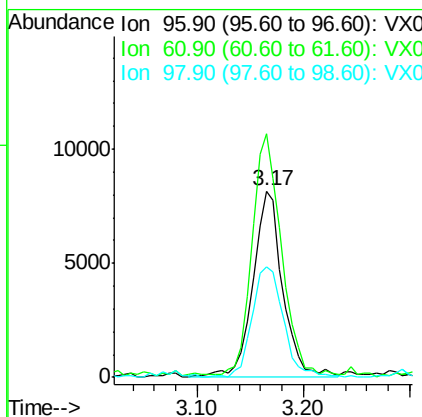
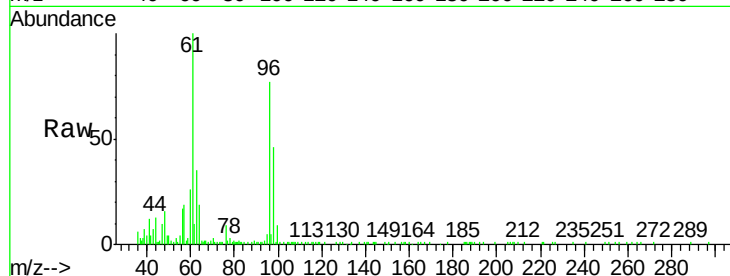
ClientSampleId :

MW-11

Tot Ion:	96	Resp:	16080
Ion	Ratio	Lower	Upper
96	100		
61	128.9	104.6	156.8
98	58.2	51.0	76.4

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#27

cis-1,2-Dichloroethene

Concen: 262.310 ug/l

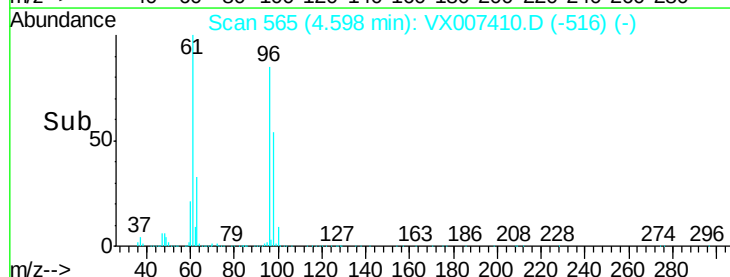
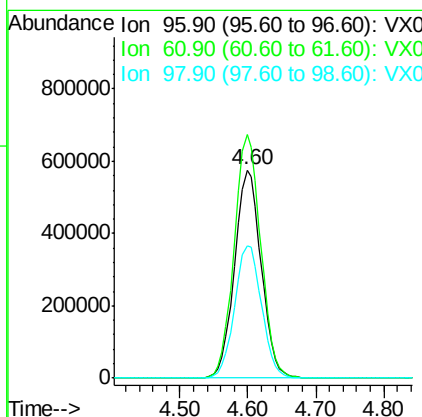
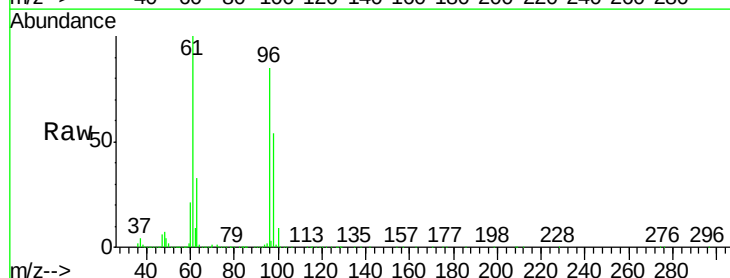
RT: 4.60 min Scan# 565

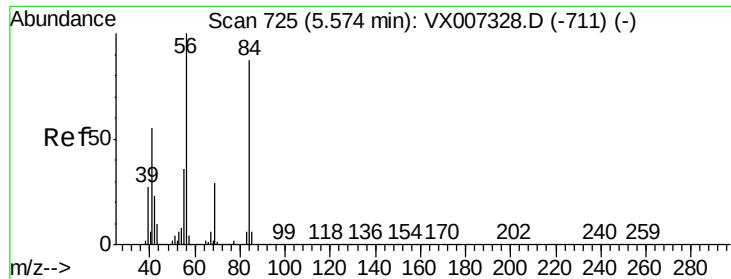
Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Tgt Ion:	96	Resp:	1562667
Ion	Ratio	Lower	Upper
96	100		
61	117.0	0.0	265.6
98	64.6	0.0	131.6





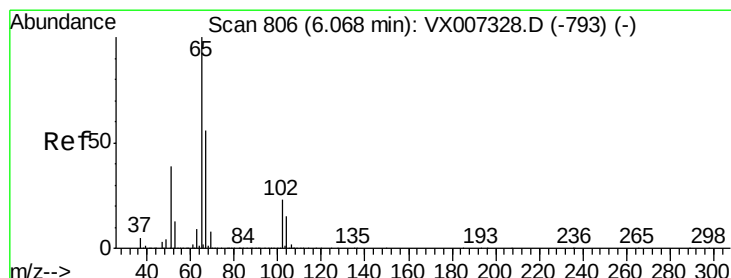
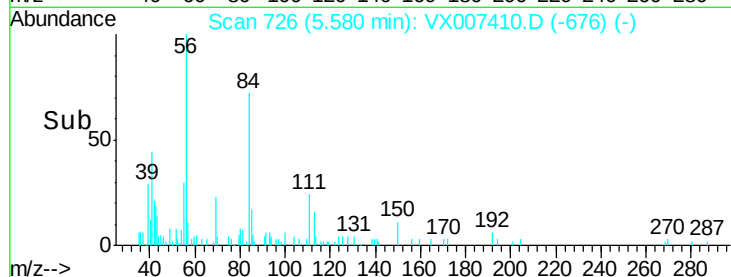
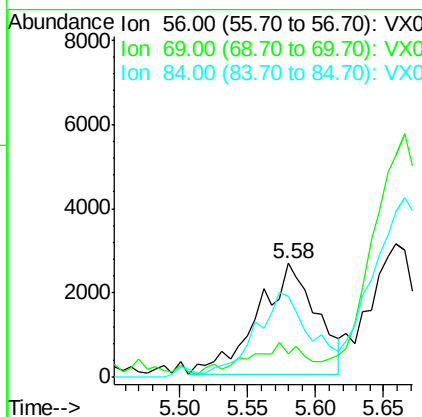
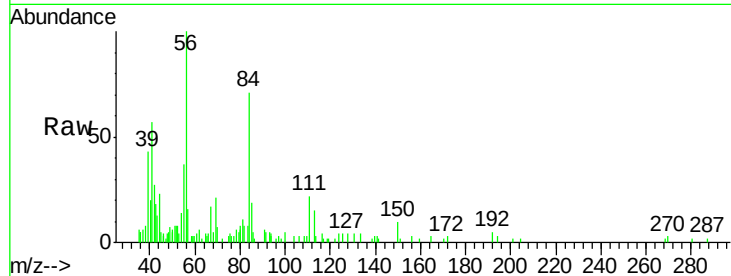
#31
Cyclohexane
Concen: 0.989 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Lower	Upper
56	100		
69	12.1	23.0	34.6#
84	62.6	69.8	104.6#

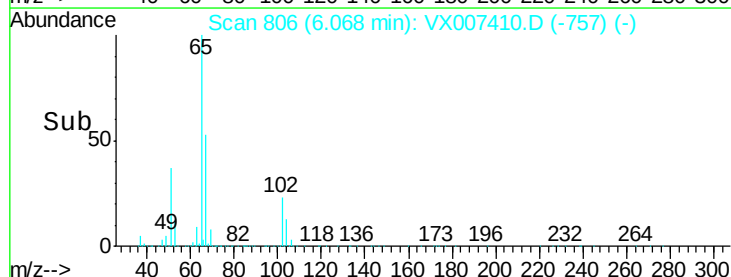
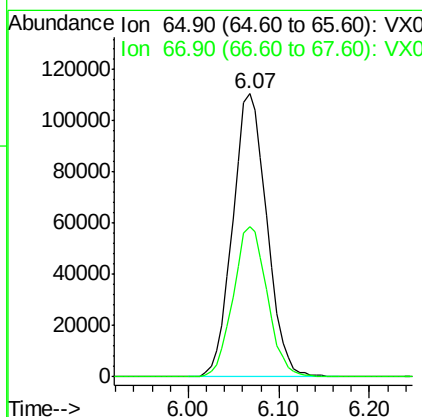
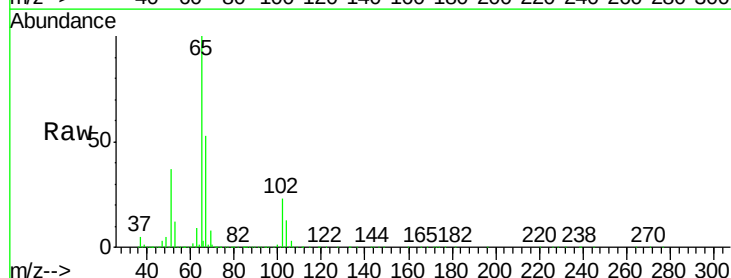
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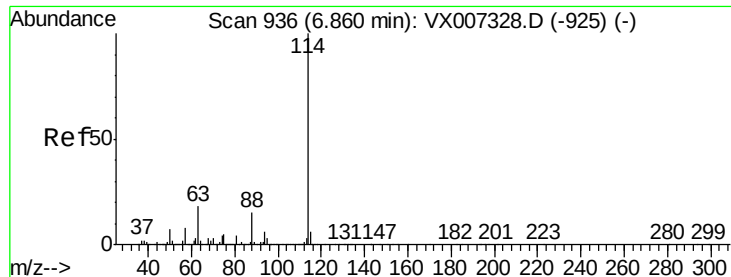
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#33
1,2-Dichloroethane-d4
Concen: 50.782 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	108.8





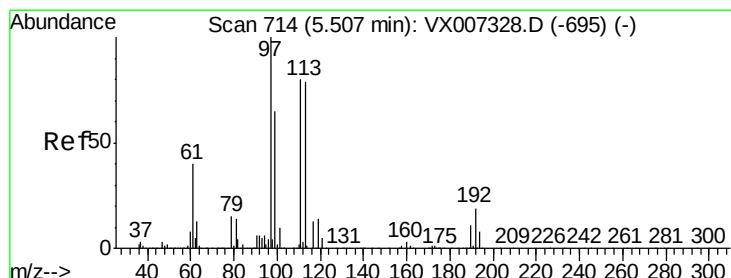
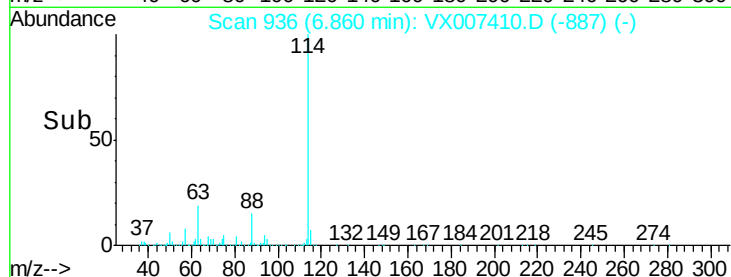
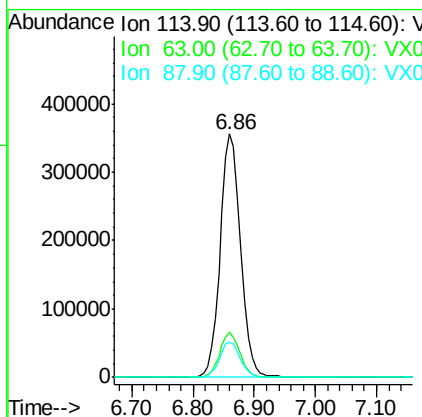
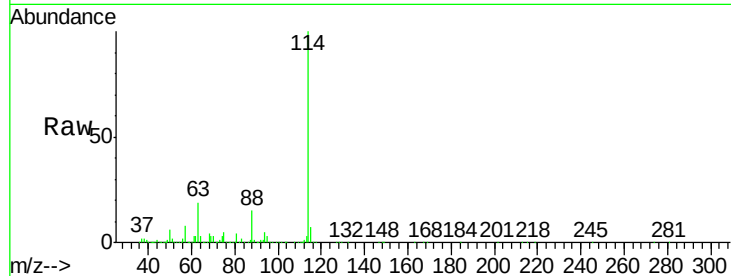
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
823446	114	100			
	63	18.5	0.0	35.6	
	88	14.6	0.0	29.6	

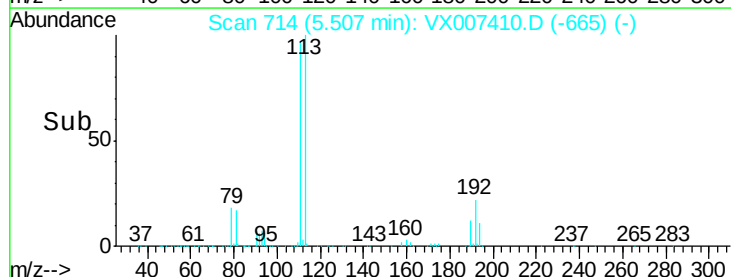
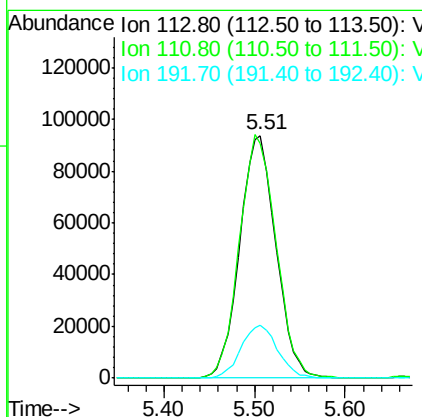
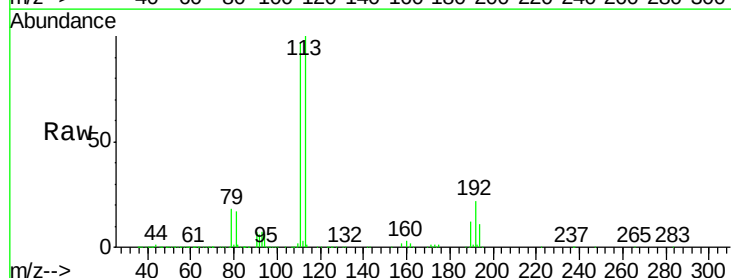
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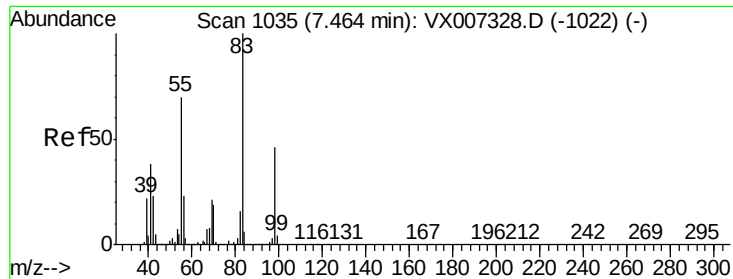
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#35
 Dibromofluoromethane
 Concen: 48.549 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
260120	113	100			
	111	101.6	81.8	122.8	
	192	22.2	18.5	27.7	





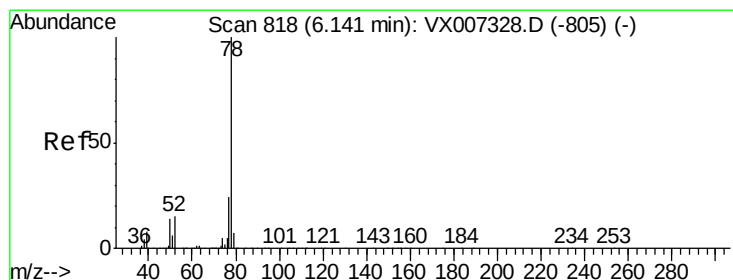
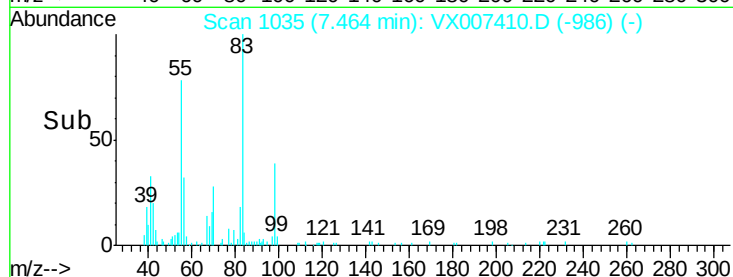
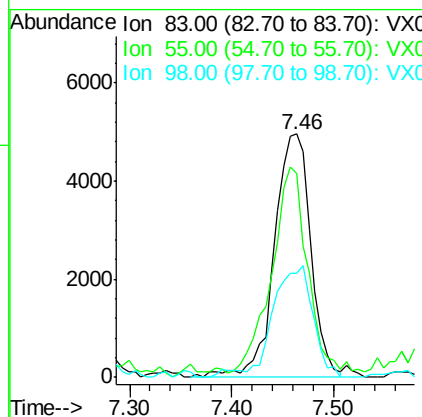
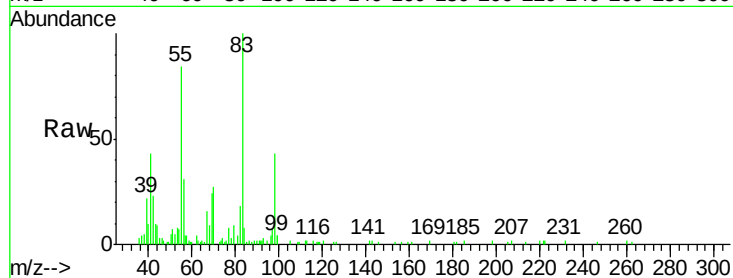
#39
Methylvlcyclohexane
Concen: 1.371 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.1	56.2	84.2	
98	43.0	36.8	55.2	

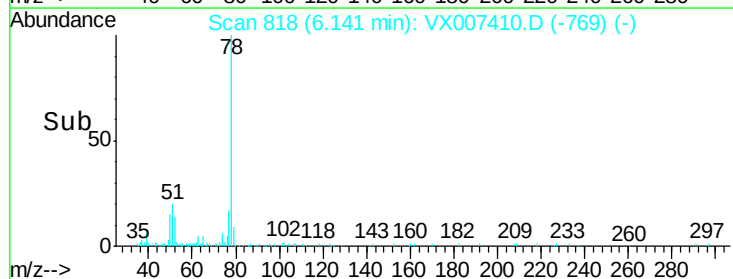
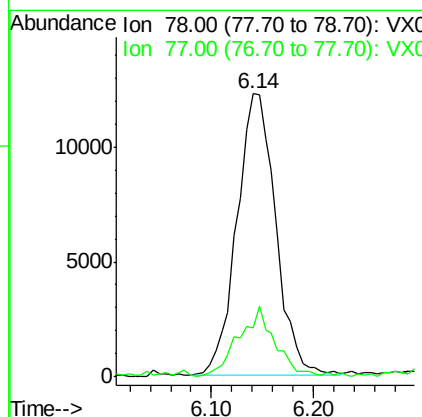
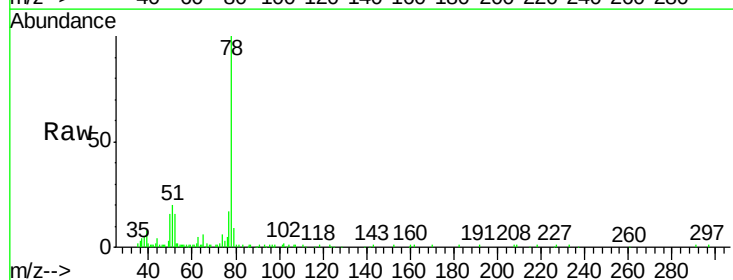
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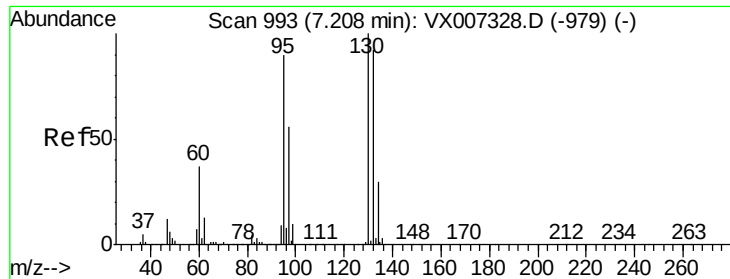
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#40
Benzene
Concen: 1.489 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	16.7	19.3	28.9	





#44

Trichloroethene

Concen: 0.528 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion:130 Resp: 3463

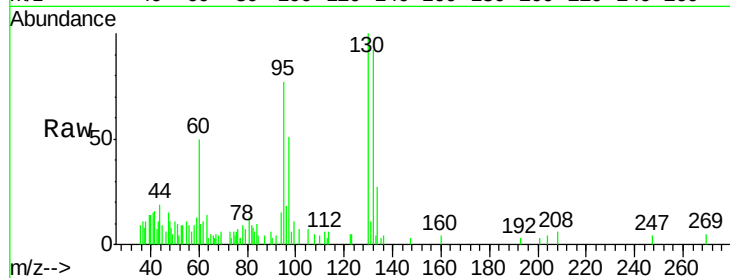
Ion Ratio Lower Upper

130 100

95 70.9 0.0 180.0

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

1500

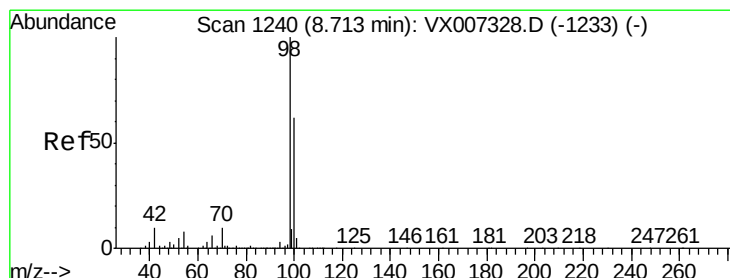
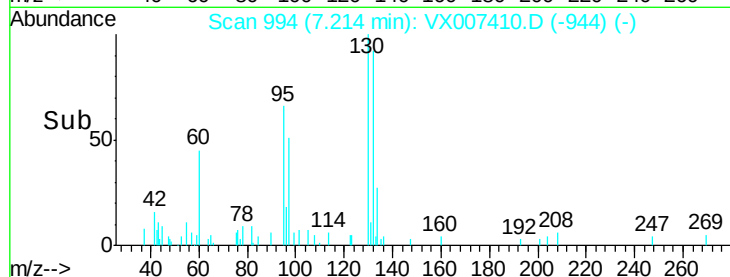
1000

500

0

Time-->

7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 50.195 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007410.D

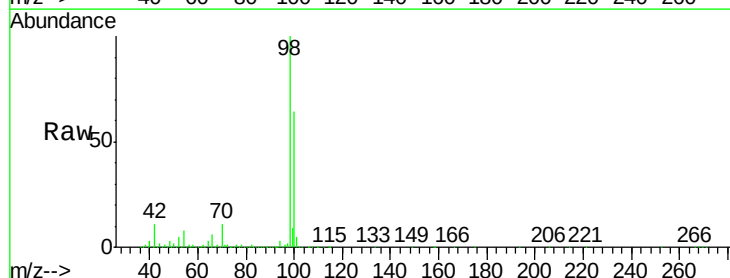
Acq: 06 Feb 2019 19:57

Tgt Ion: 98 Resp: 997805

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

600000

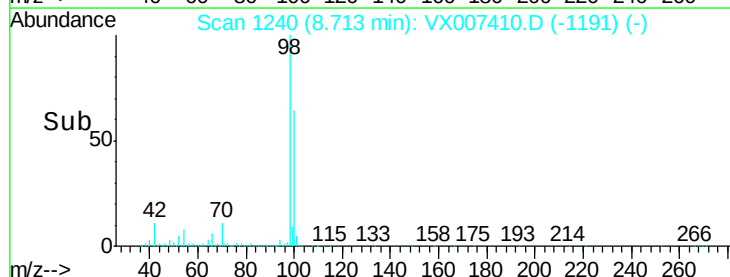
400000

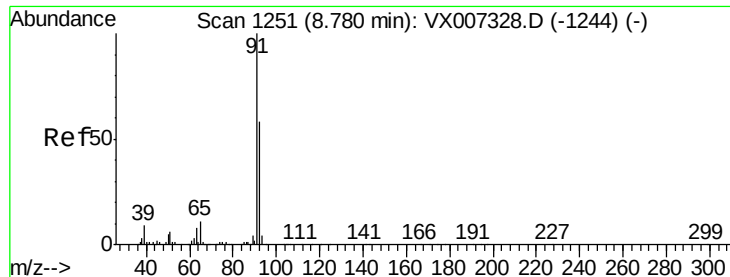
200000

0

Time-->

8.60 8.70 8.80





#52

Toluene

Concen: 44.136 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion: 92 Resp: 619743

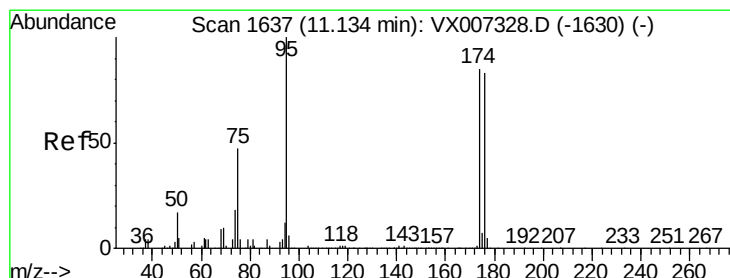
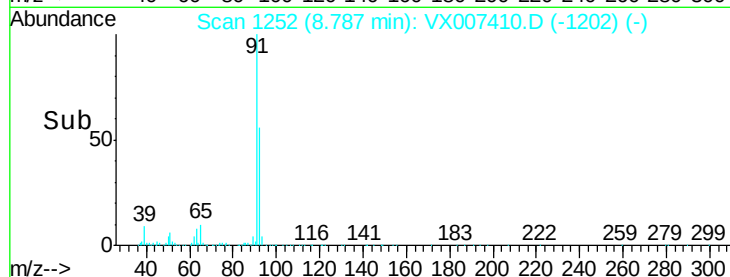
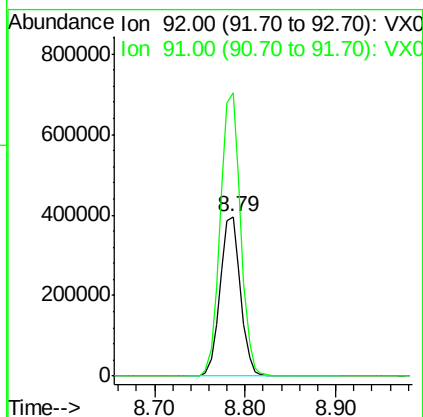
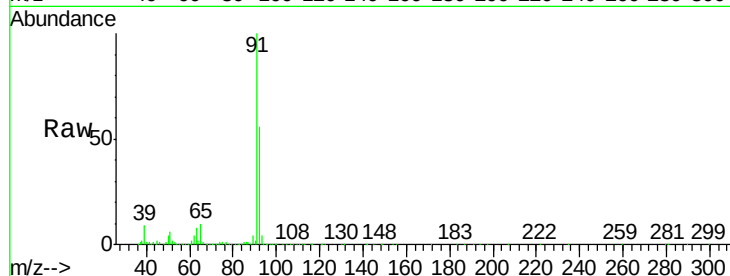
Ion Ratio Lower Upper

92 100

91 177.1 139.1 208.7

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.260 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

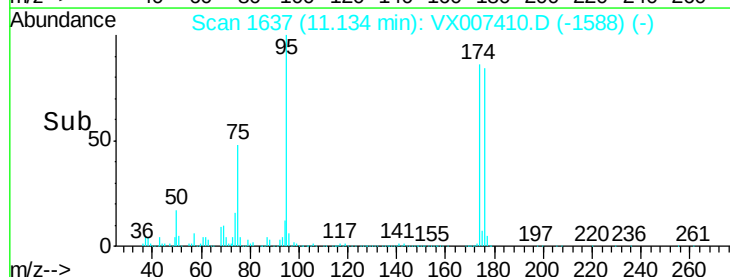
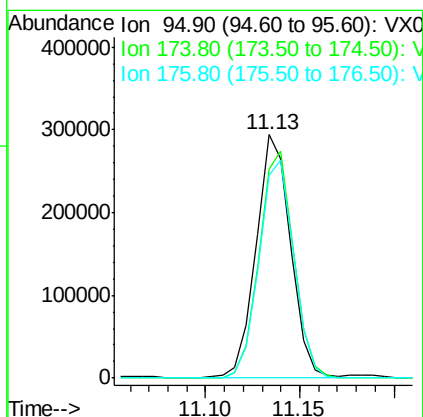
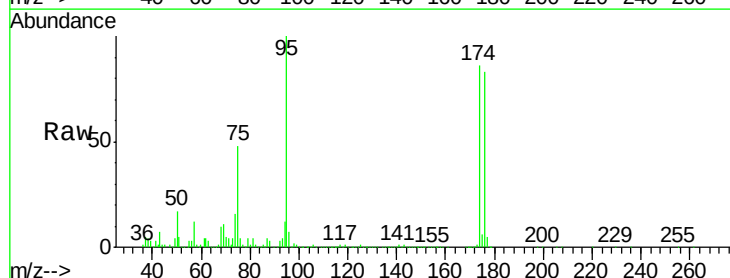
Tgt Ion: 95 Resp: 372031

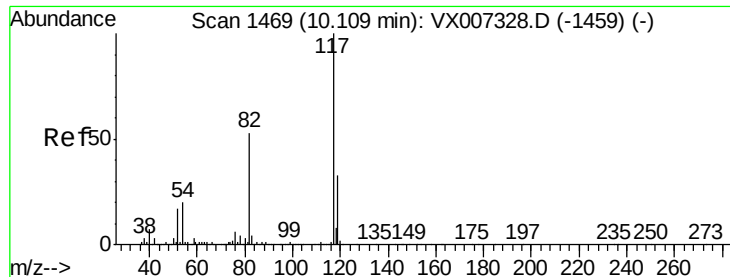
Ion Ratio Lower Upper

95 100

174 94.0 0.0 189.2

176 91.0 0.0 186.2





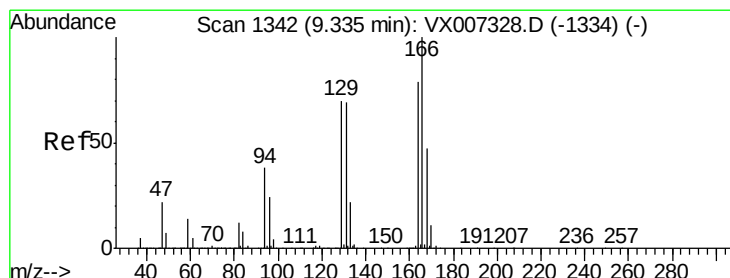
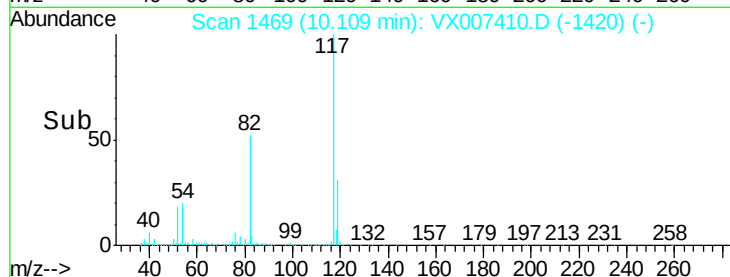
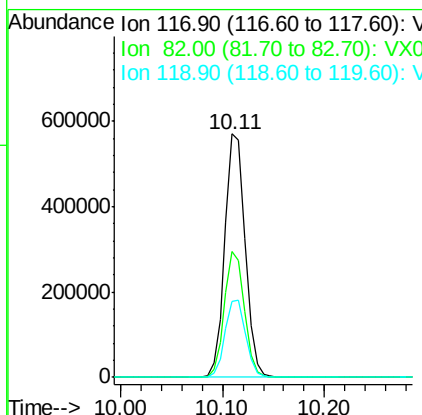
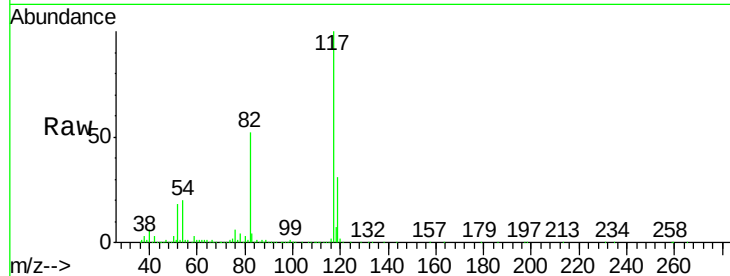
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	42.1	63.1
119	31.4	26.5	39.7

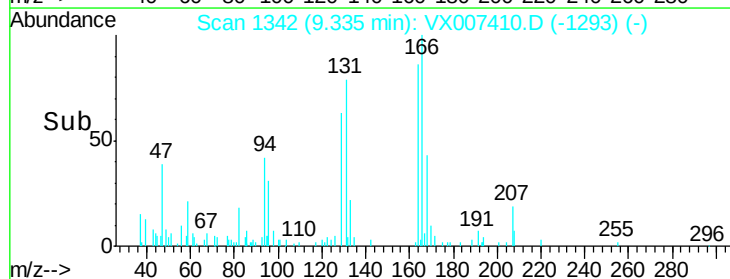
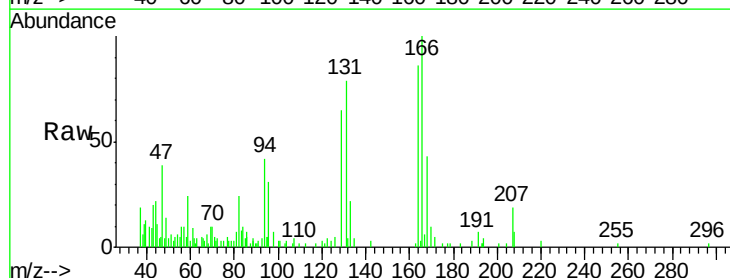
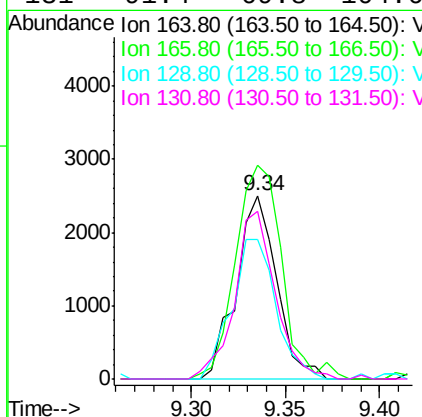
Manual Integrations
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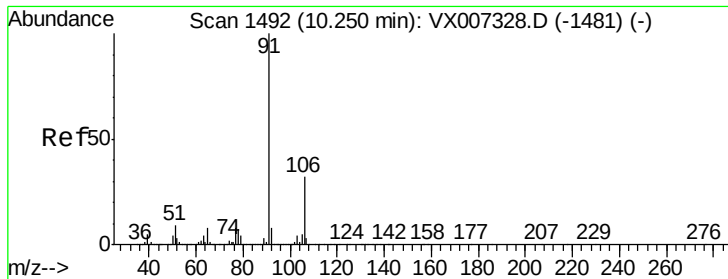
MMDadoda
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#64
Tetrachloroethene
Concen: 0.499 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.3	101.0	151.4
129	75.8	70.5	105.7
131	91.4	69.8	104.6





#67

Ethyl Benzene

Concen: 8.685 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampled :

MW-11

Tot Ion: 91 Resp: 241506

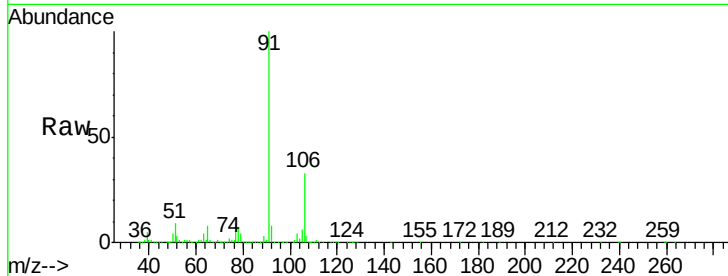
Ion Ratio Lower Upper

91 100

106 33.0 25.4 38.0

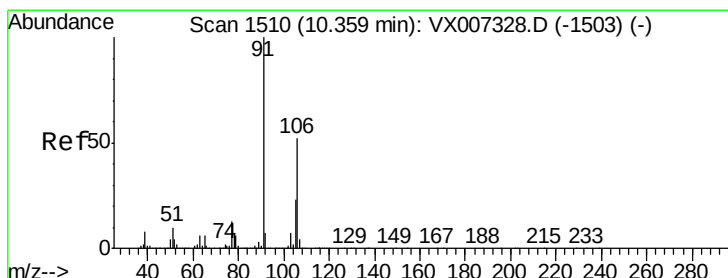
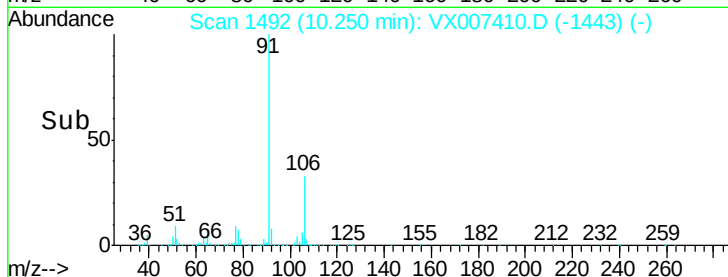
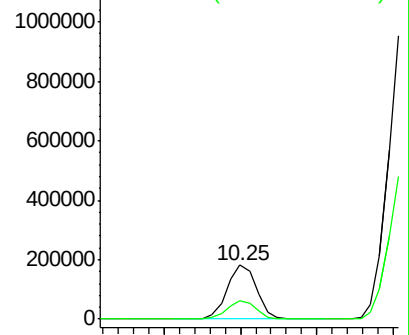
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 60.488 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007410.D

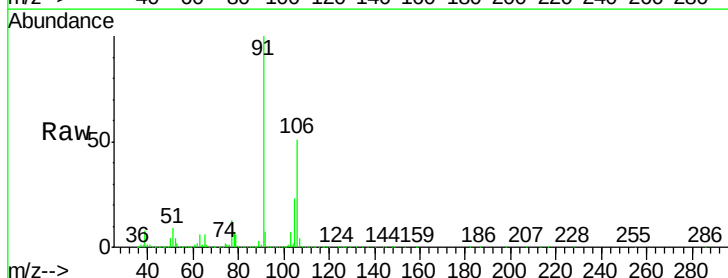
Acq: 06 Feb 2019 19:57

Tgt Ion: 106 Resp: 668594

Ion Ratio Lower Upper

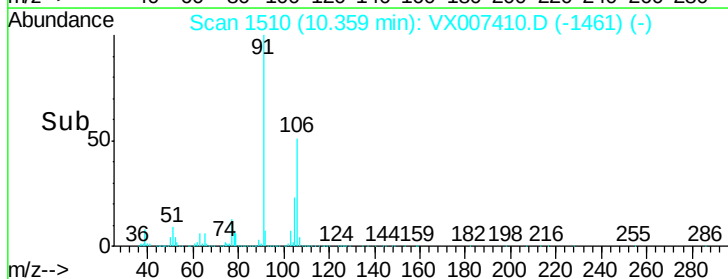
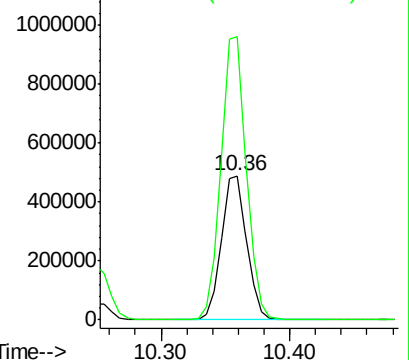
106 100

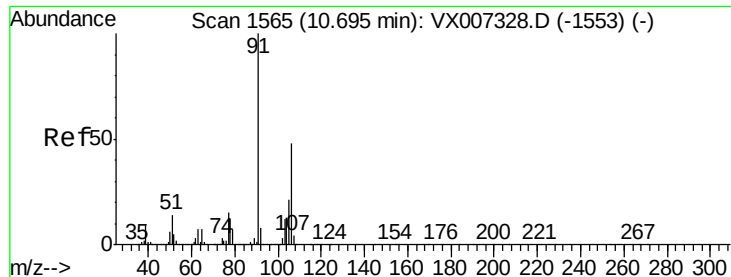
91 197.2 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#69

o-Xylene

Concen: 39.048 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

MW-11

Tot Ion:106 Resp: 415321

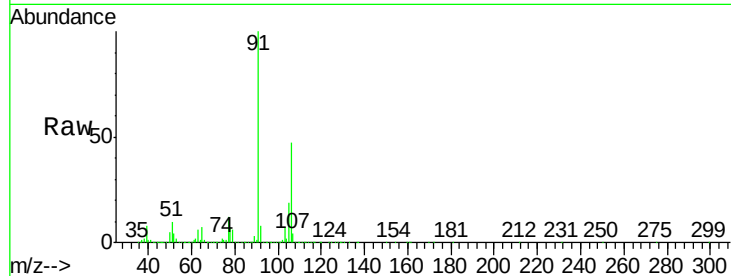
Ion Ratio Lower Upper

106 100

91 206.4 102.9 308.7

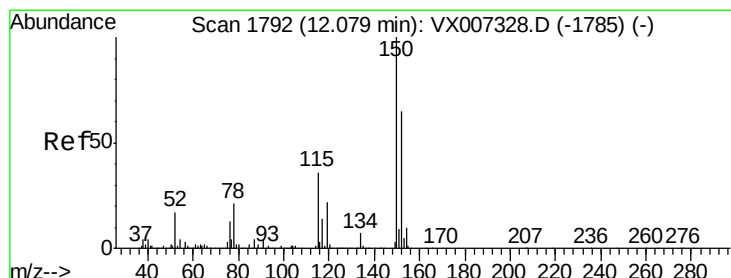
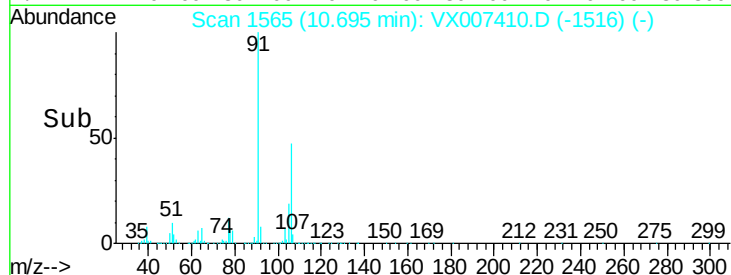
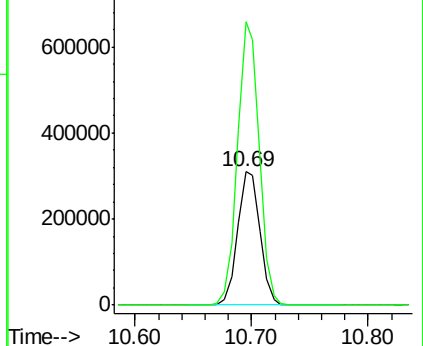
Manual Integrations
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007410.D

Acq: 06 Feb 2019 19:57

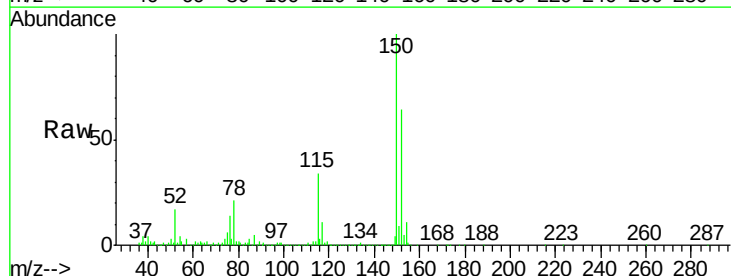
Tgt Ion:152 Resp: 406638

Ion Ratio Lower Upper

152 100

115 56.0 38.0 114.0

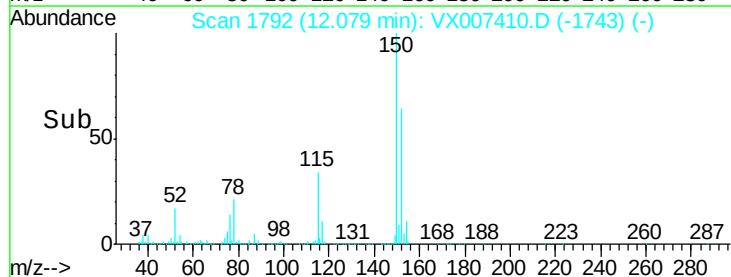
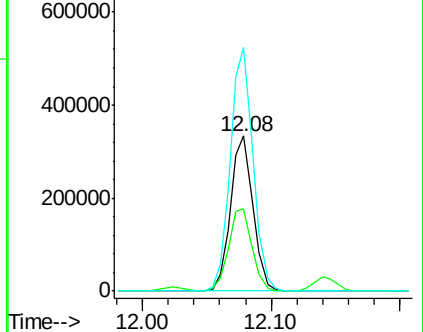
150 158.9 0.0 346.4

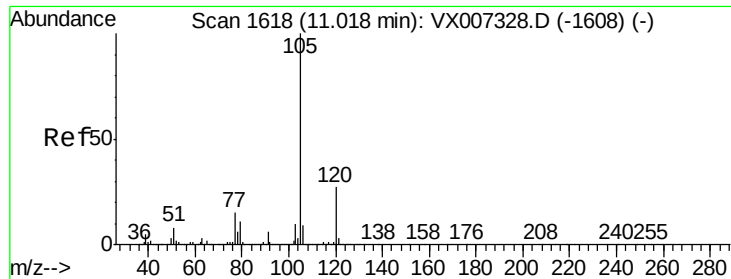


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





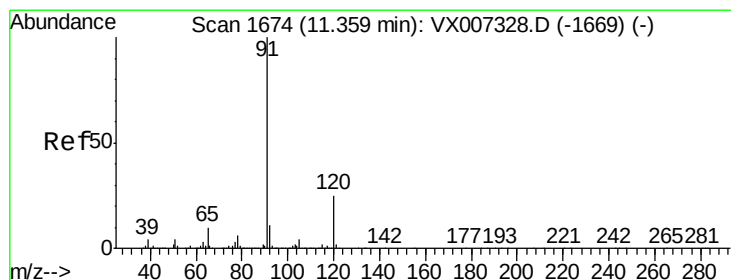
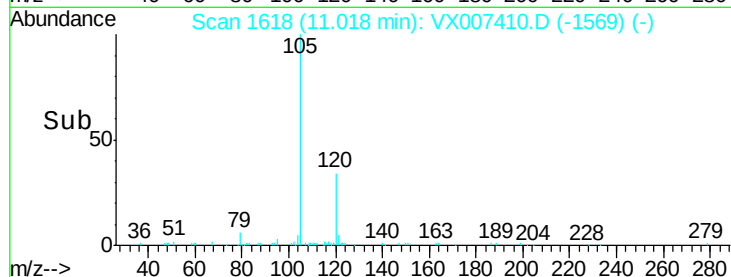
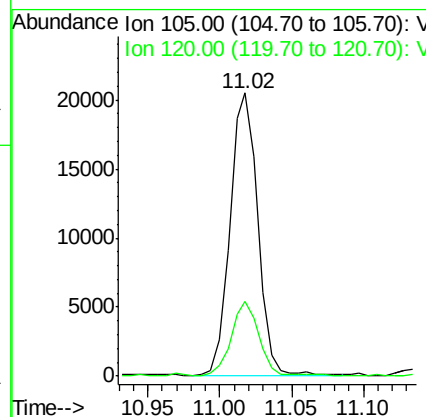
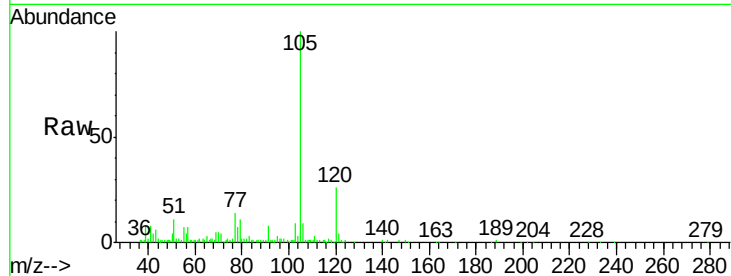
#73
Isopropylbenzene
Concen: 1.012 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Instrument :
MSVOA_X
ClientSampleId :
MW-11

Tot Ion: 105 Resp: 27954
Ion Ratio Lower Upper
105 100
120 26.7 13.6 40.7

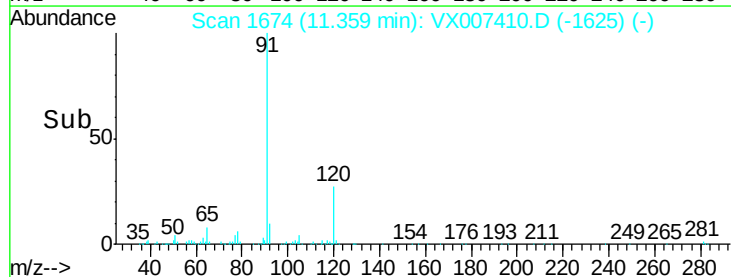
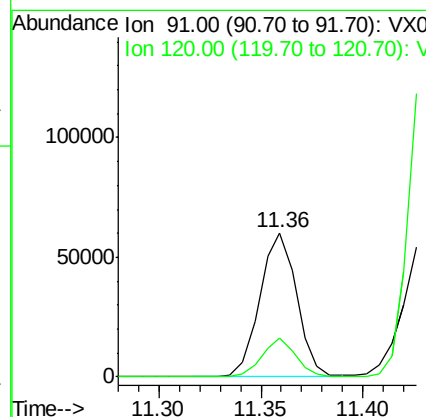
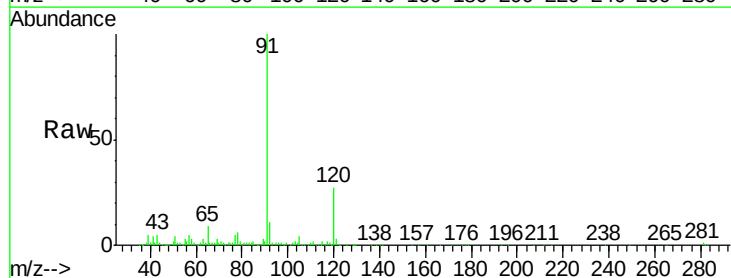
Manual Integrations
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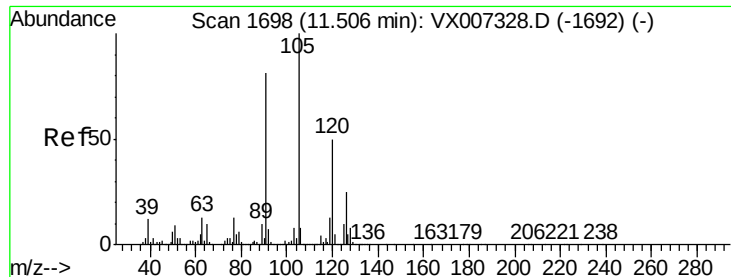
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2/7/2019 9:53:11 AM



#78
n-propylbenzene
Concen: 2.482 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VX007410.D
Acq: 06 Feb 2019 19:57

Tgt Ion: 91 Resp: 75205
Ion Ratio Lower Upper
91 100
120 25.1 12.4 37.2





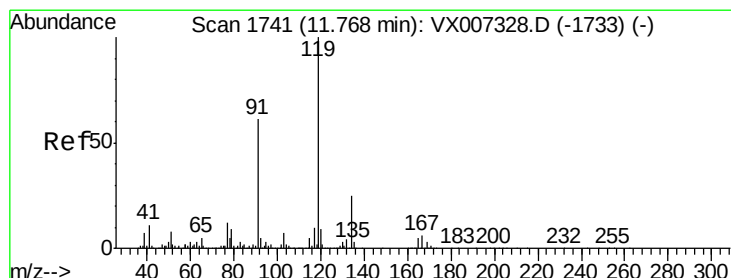
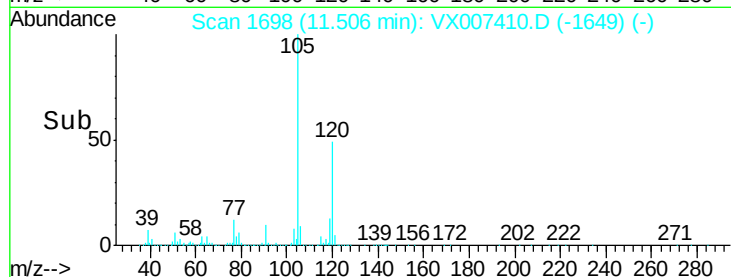
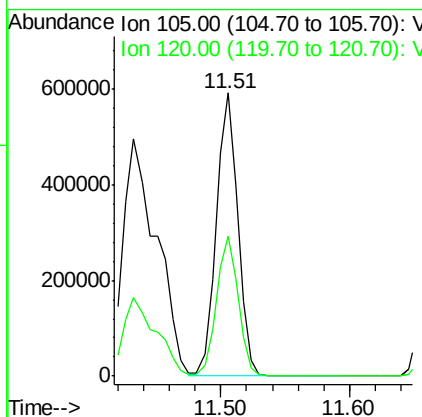
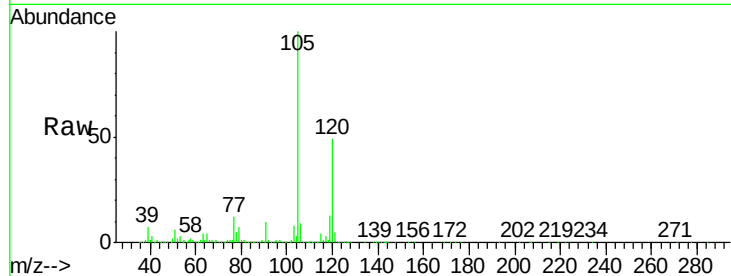
#80
 1,3,5-Trimethylbenzene
 Concen: 30.922 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.7	25.3	75.8

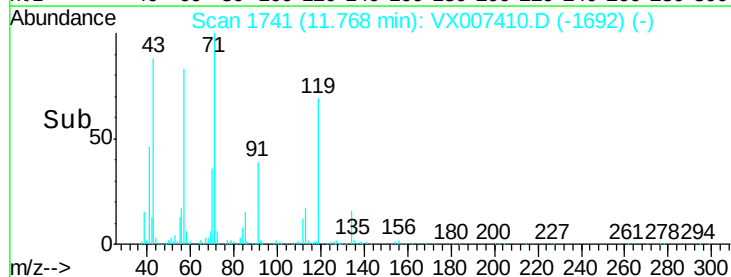
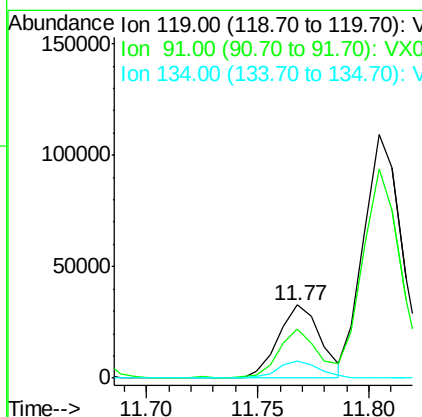
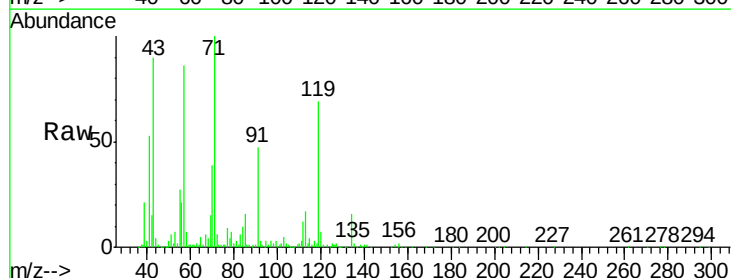
Manual Integrations
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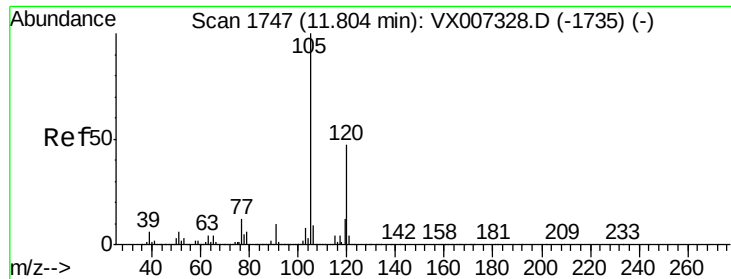
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#83
 tert-Butylbenzene
 Concen: 1.933 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.7	28.5	85.6
134	23.1	12.0	36.0





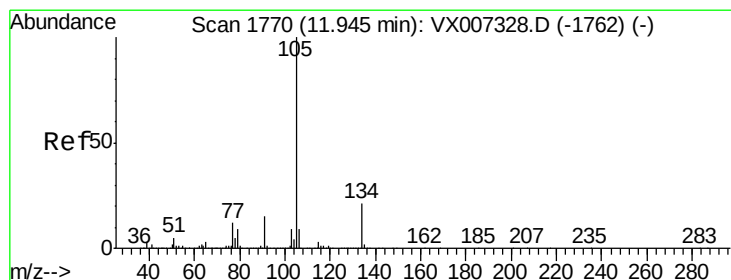
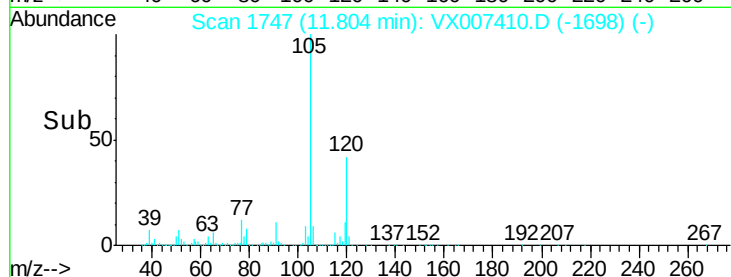
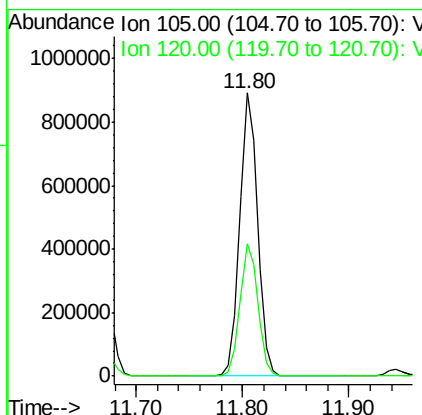
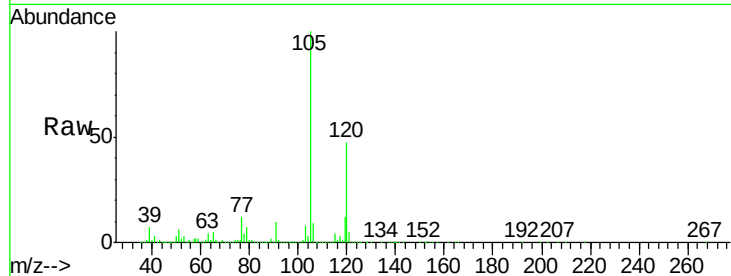
#84
 1,2,4-Trimethylbenzene
 Concen: 45.841 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion:105 Resp: 1052126
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.1 69.3

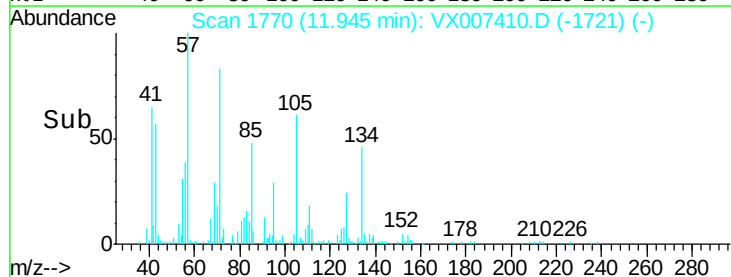
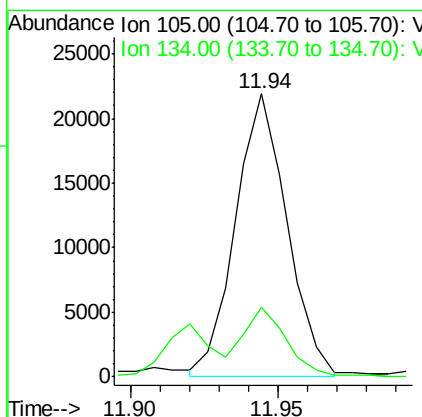
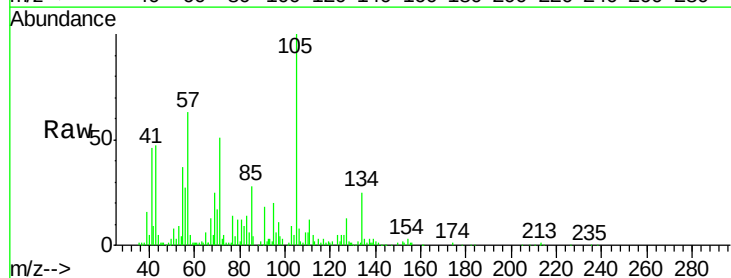
Manual Integrations
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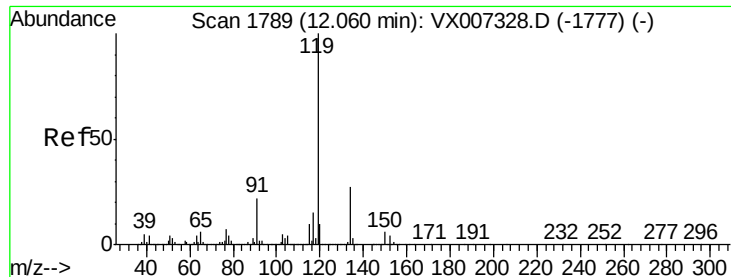
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 2/7/2019 9:53:11 AM



#85
 sec-Butylbenzene
 Concen: 0.984 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Tgt Ion:105 Resp: 26669
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.6 31.8#





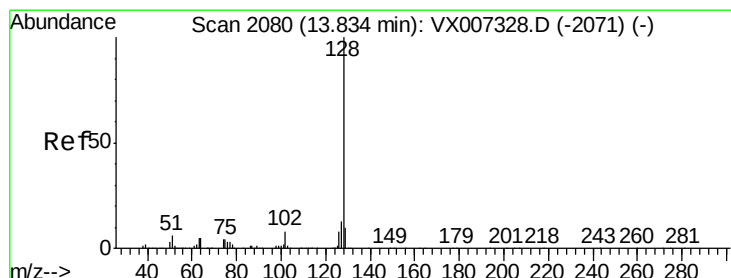
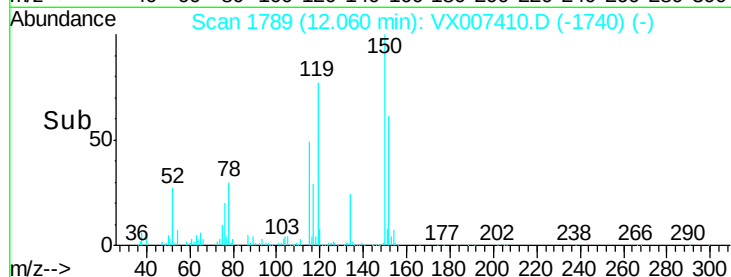
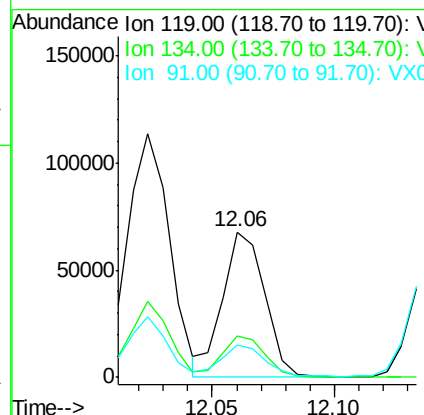
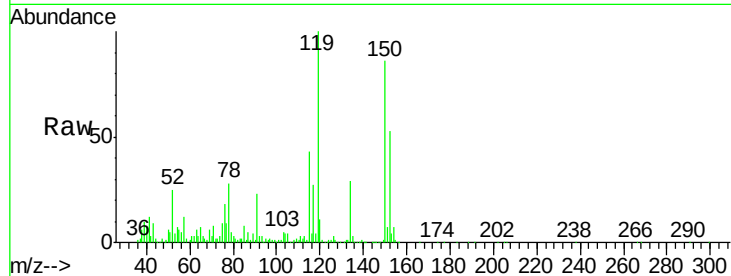
#86
 p-Isopropyltoluene
 Concen: 3.303 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Instrument :
 MSVOA_X
 ClientSampled :
 MW-11

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.2	13.7	41.1
91	22.6	11.2	33.5

Manual Integrations
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#95
 Naphthalene
 Concen: 12.884 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007410.D
 Acq: 06 Feb 2019 19:57

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	11.3	8.7	13.1

