

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020619\
 Data File : VX007407.D
 Acq On : 06 Feb 2019 18:37
 Operator : JC/SP
 Sample : K1392-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 9:53:04 AM

Quant Time: Feb 07 09:41:02 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	525698	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	814932	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	782062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	402600	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	286876	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
35) Dibromofluoromethane	5.51	113	260798	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
50) Toluene-d8	8.71	98	987760	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
62) 4-Bromofluorobenzene	11.13	95	369560	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	55962	9.634	ug/l	91
16) Acetone	2.45	43	19177	7.503	ug/l	91
17) Carbon Disulfide	2.59	76	8543	2.744	ug/l #	76
21) trans-1,2-Dichloroethene	3.17	96	14882	2.783	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1544000	264.379	ug/l	91
31) Cyclohexane	5.58	56	6779	0.874	ug/l #	77
39) Methylcyclohexane	7.46	83	11236	1.270	ug/l	92
40) Benzene	6.15	78	30332	1.408	ug/l	99
44) Trichloroethene	7.23	130	3539	0.546	ug/l	91
52) Toluene	8.79	92	620811	44.674	ug/l	100
64) Tetrachloroethene	9.33	164	2803	0.380	ug/l #	88
67) Ethyl Benzene	10.25	91	237751	8.651	ug/l	99
68) m/p-Xylenes	10.36	106	661125	60.516	ug/l	100
69) o-Xylene	10.70	106	405002	38.526	ug/l	99
73) Isopropylbenzene	11.02	105	26665	0.975	ug/l	100
78) n-propylbenzene	11.36	91	70847	2.362	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	679079	30.339	ug/l	99
83) tert-Butylbenzene	11.77	119	41214	1.860	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	1034888	45.542	ug/l	98
85) sec-Butylbenzene	11.94	105	25009m	0.932	ug/l	
86) p-Isopropyltoluene	12.06	119	77973	3.221	ug/l	96
95) Naphthalene	13.83	128	345613	12.729	ug/l	99

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

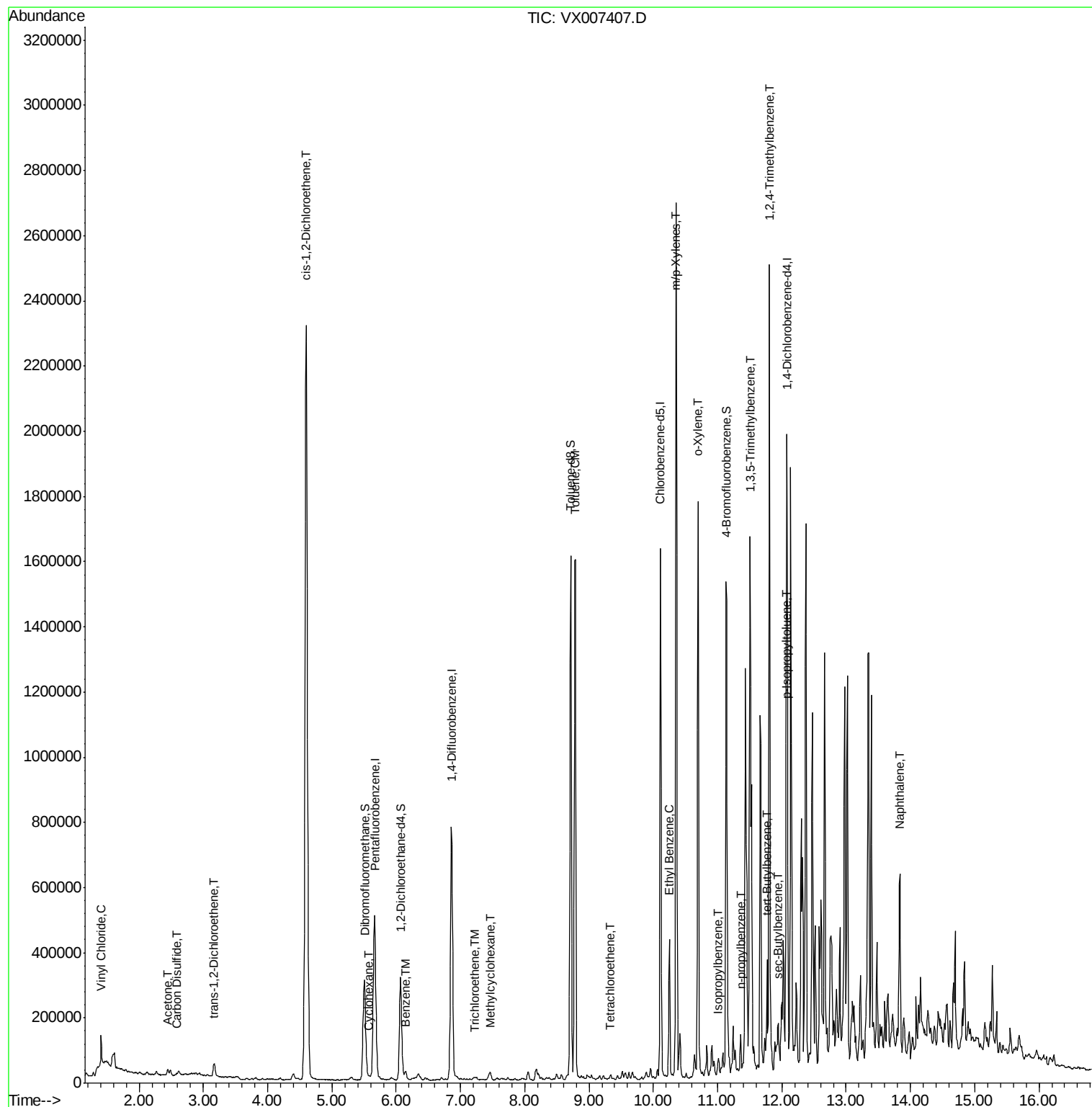
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020619\
Data File : VX007407.D
Acq On : 06 Feb 2019 18:37
Operator : JC/SP
Sample : K1392-08
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

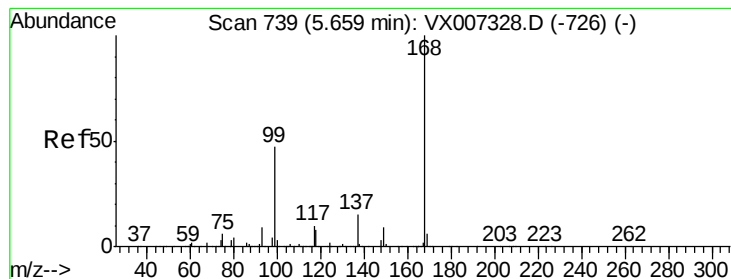
Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Manual Integrations
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2/7/2019 9:53:04 AM

Quant Time: Feb 07 09:41:02 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

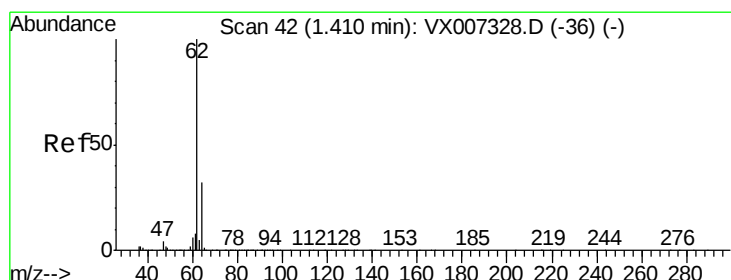
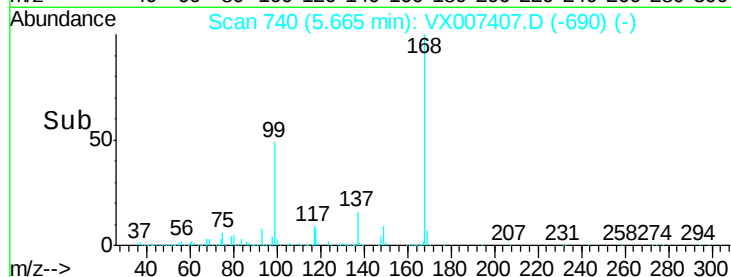
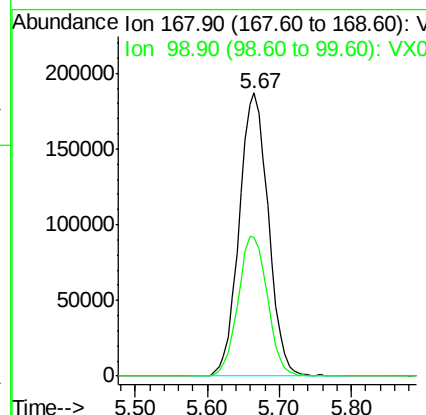
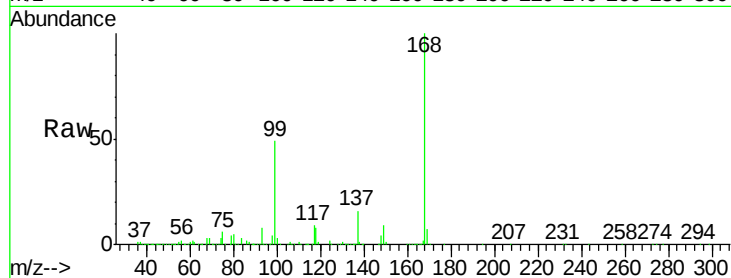
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.1	37.9	56.9

Manual Integrations
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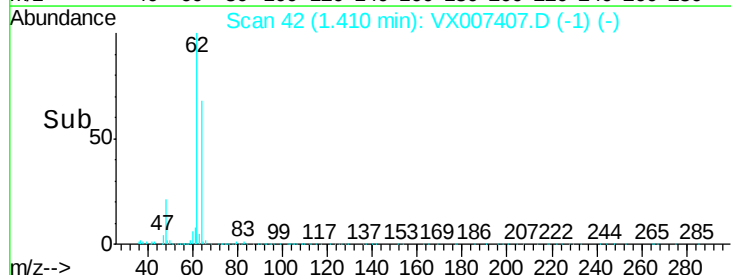
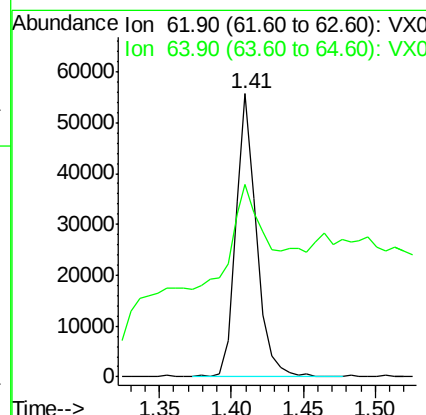
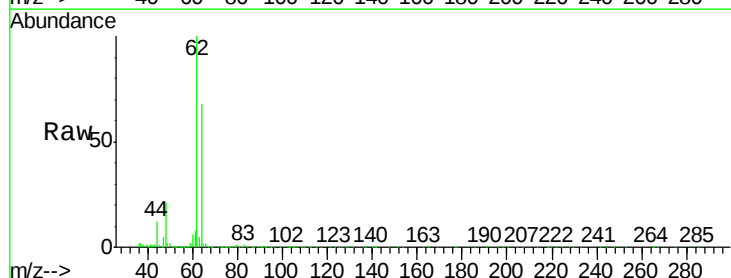
MMDadoda
 2/7/2019 9:53:04 AM

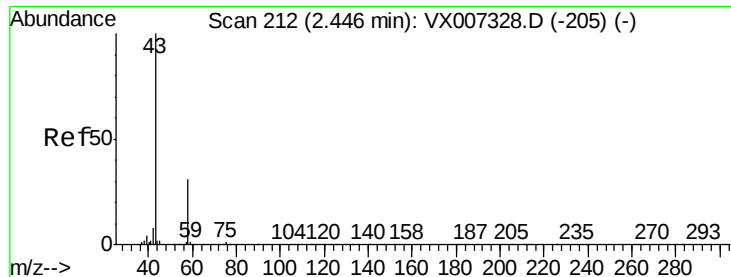


#4

Vinyl Chloride
 Concen: 9.634 ug/l
 RT: 1.41 min Scan# 42
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
62	100		
64	36.8	25.4	38.0





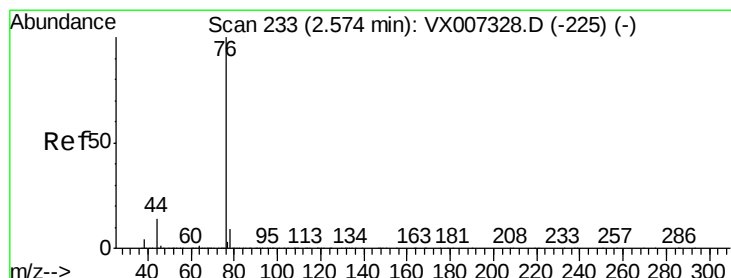
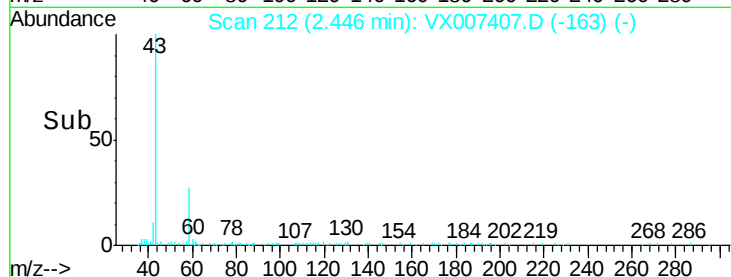
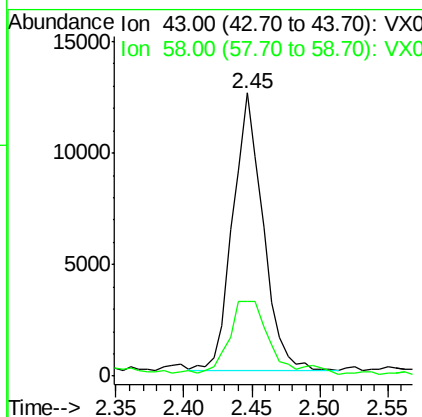
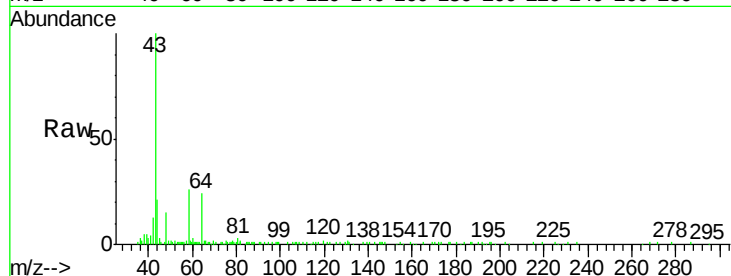
#16
Acetone
Concen: 7.503 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
43	100		
58	26.3	24.9	37.3

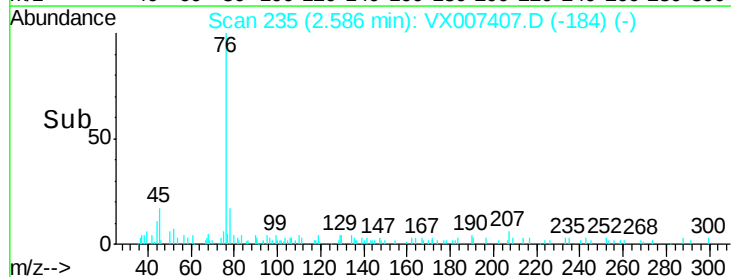
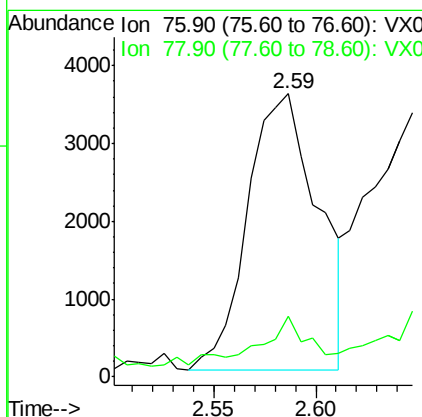
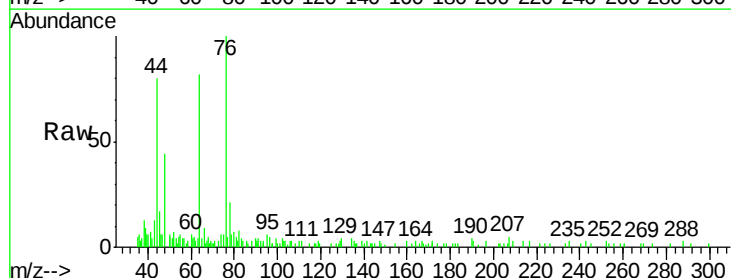
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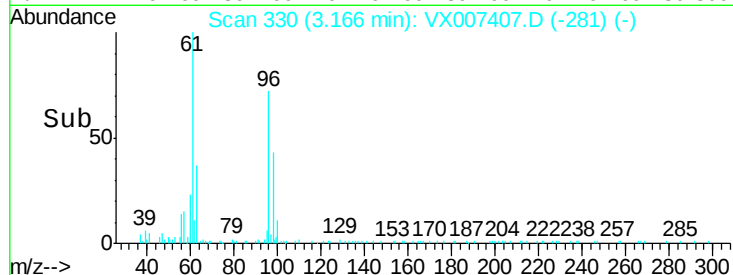
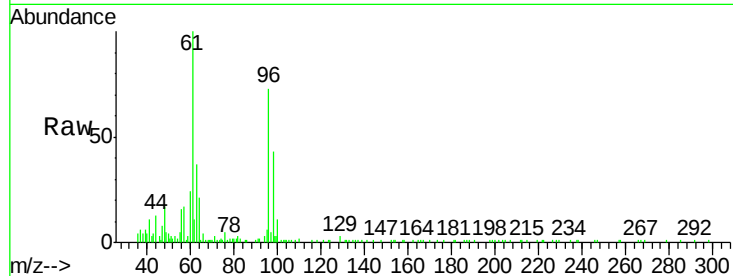
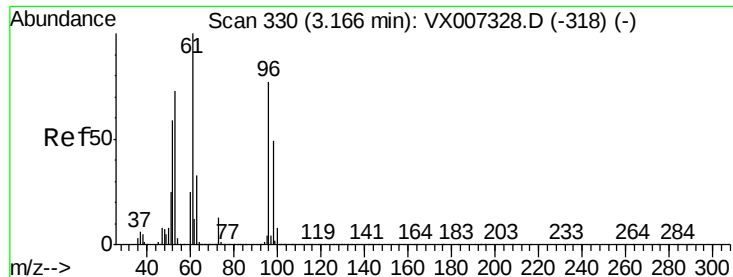
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#17
Carbon Disulfide
Concen: 2.744 ug/l
RT: 2.59 min Scan# 235
Delta R.T. 0.01 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
76	100		
78	17.6	7.1	10.7#





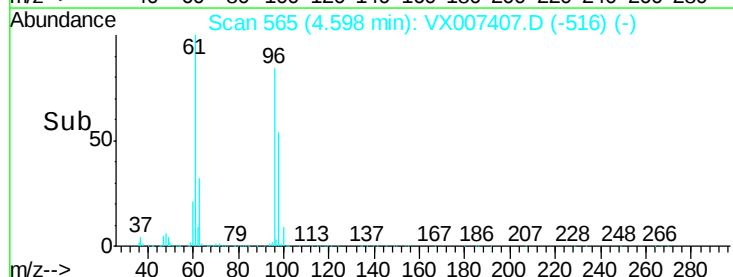
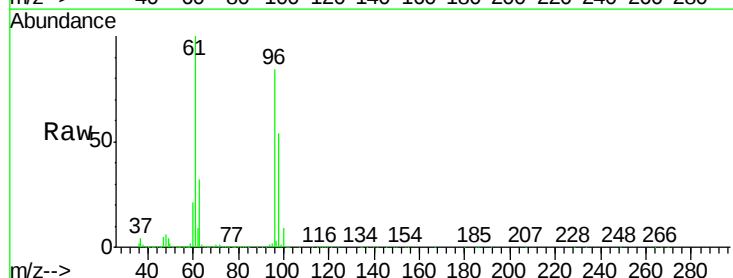
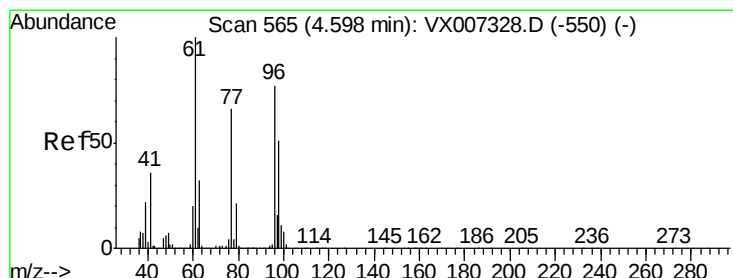
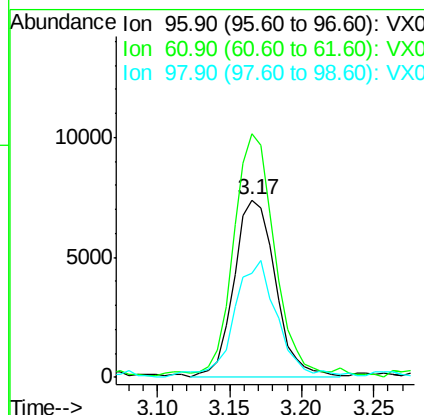
#21
trans-1,2-Dichloroethene
Concen: 2.783 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.8	104.6	156.8
98	56.7	51.0	76.4

Instrument :
MSVOA_X
ClientSampled :
DUP-1

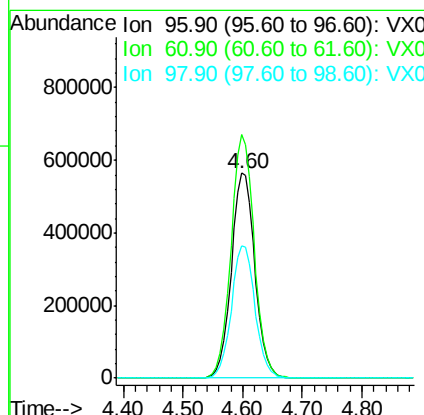
Manual Integrations
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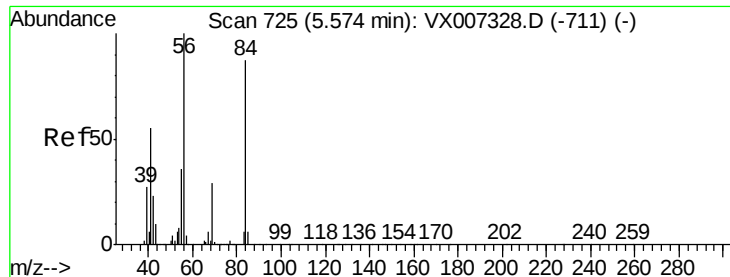
MMDadoda
2/7/2019 9:53:04 AM



#27
cis-1,2-Dichloroethene
Concen: 264.379 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	117.2	0.0	265.6
98	64.8	0.0	131.6





#31

Cyclohexane

Concen: 0.874 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

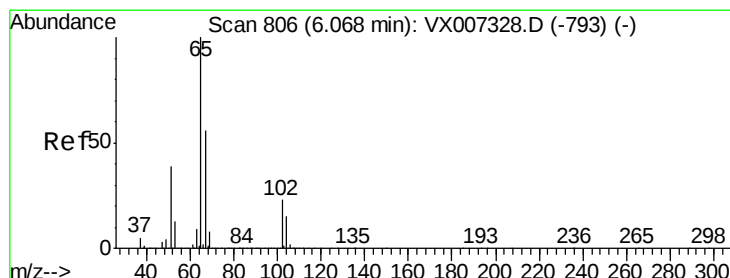
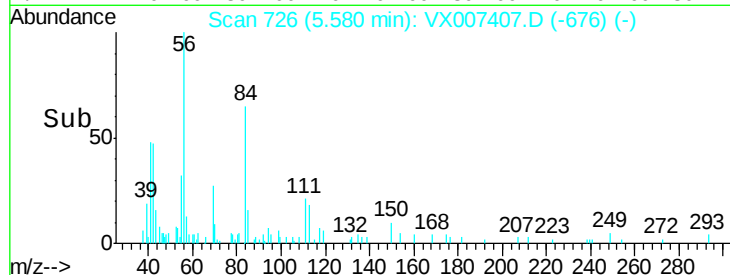
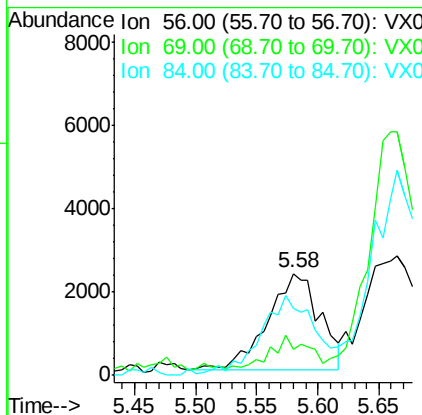
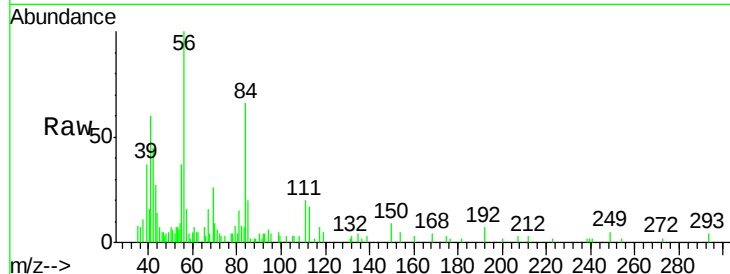
ClientSampled :

DUP-1

Tot Ion:	56	Resp:	6779
Ion Ratio	Lower	Upper	
56	100		
69	21.9	23.0	34.6#
84	62.7	69.8	104.6#

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 51.413 ug/l

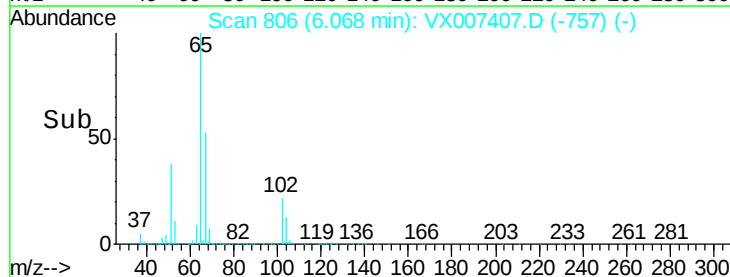
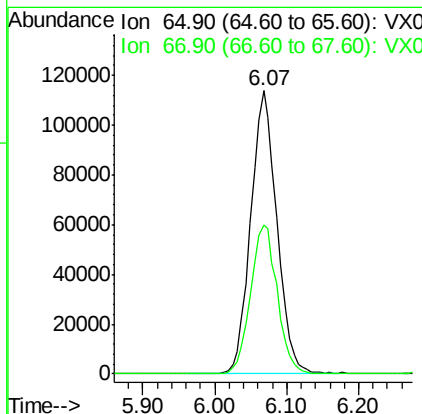
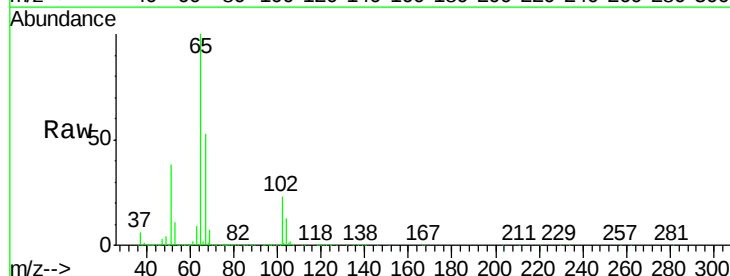
RT: 6.07 min Scan# 806

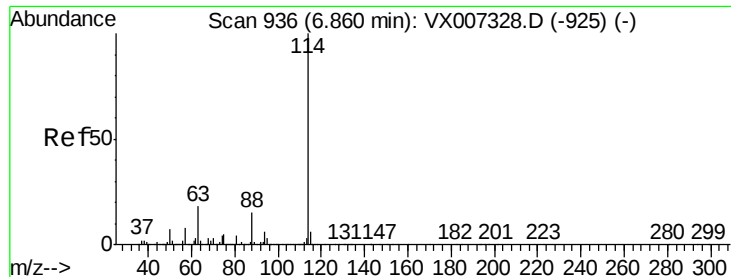
Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Tgt Ion:	65	Resp:	286876
Ion Ratio	Lower	Upper	
65	100		
67	53.6	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: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

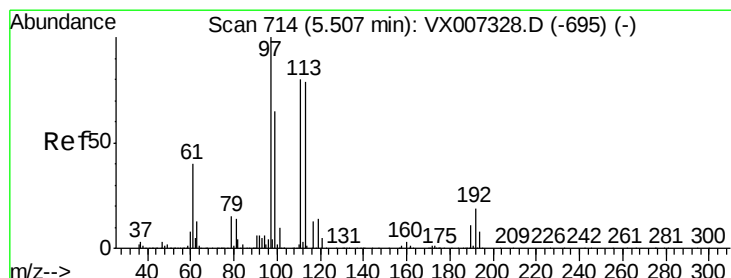
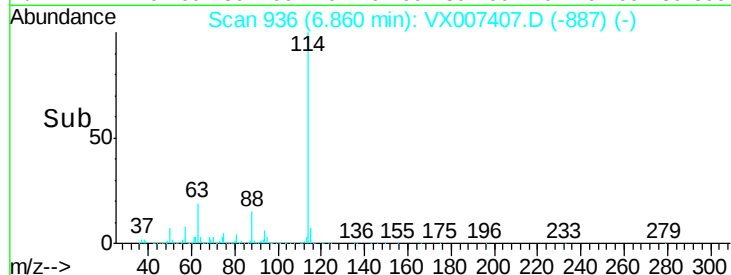
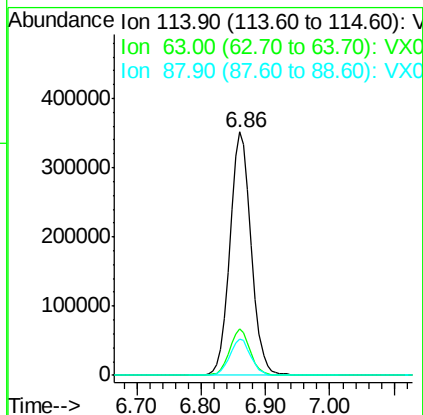
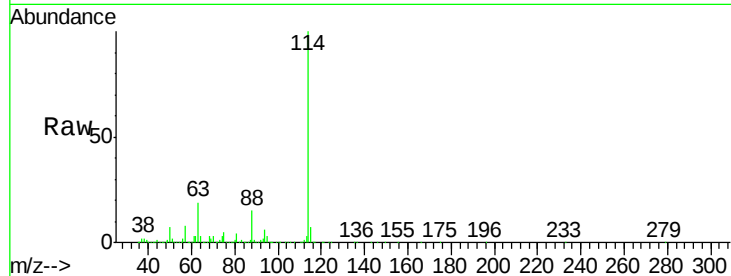
ClientSampleId :

DUP-1

Tot Ion:	114	Resp:	814932
Ion Ratio		Lower	Upper
114	100		
63	19.1	0.0	35.6
88	14.9	0.0	29.6

Manual Integrations
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#35

Dibromofluoromethane

Concen: 49.184 ug/l

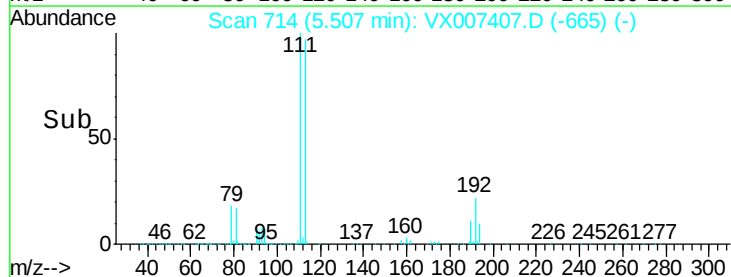
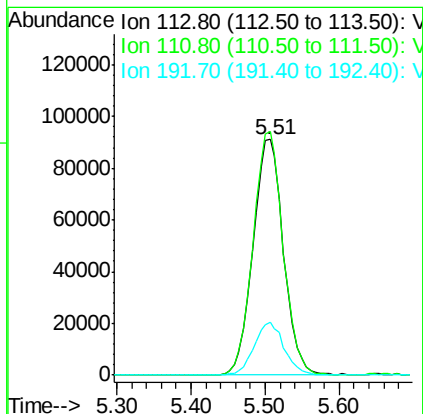
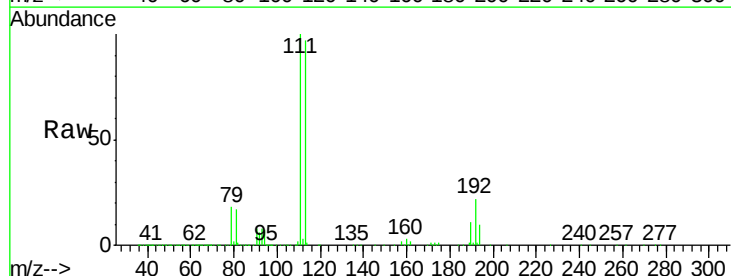
RT: 5.51 min Scan# 714

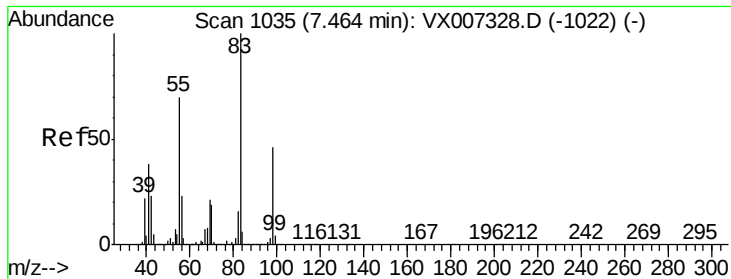
Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Tgt Ion:	113	Resp:	260798
Ion Ratio		Lower	Upper
113	100		
111	102.0	81.8	122.8
192	22.0	18.5	27.7





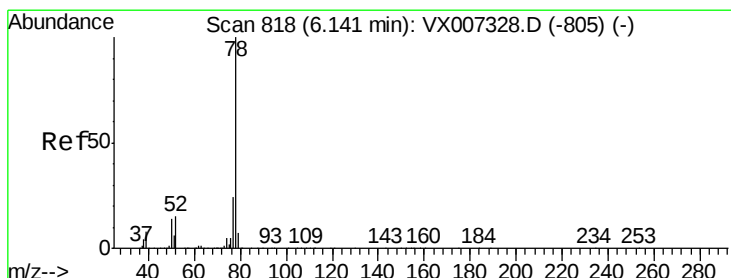
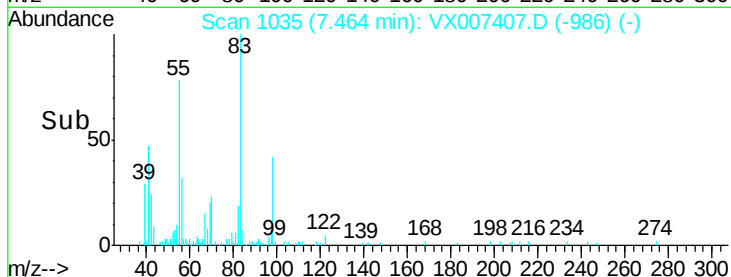
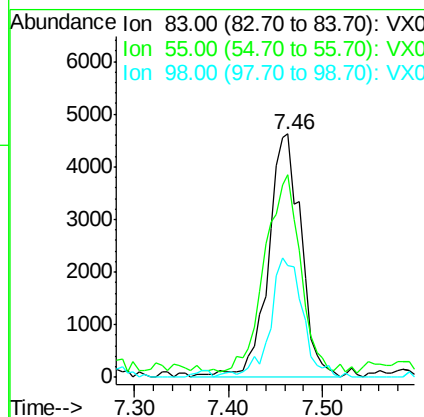
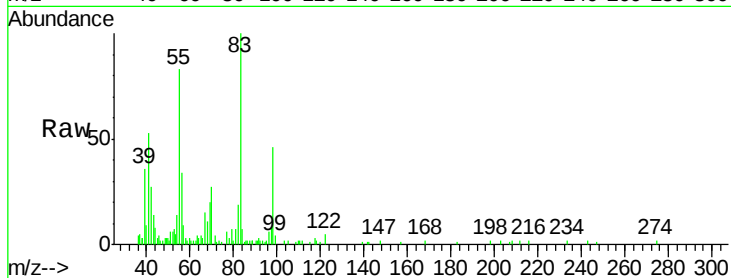
#39
Methvlcvclohexane
Concen: 1.270 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.3	56.2	84.2
98	45.8	36.8	55.2

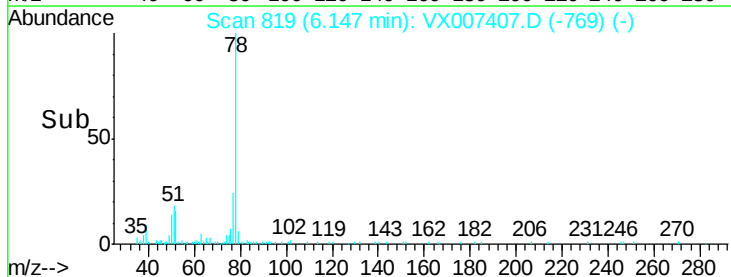
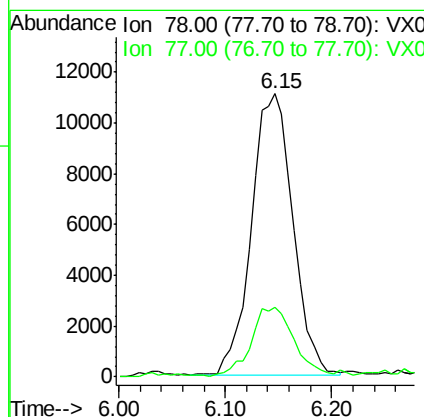
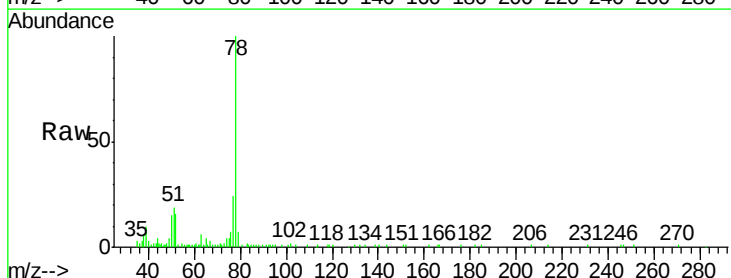
Manual Integrations
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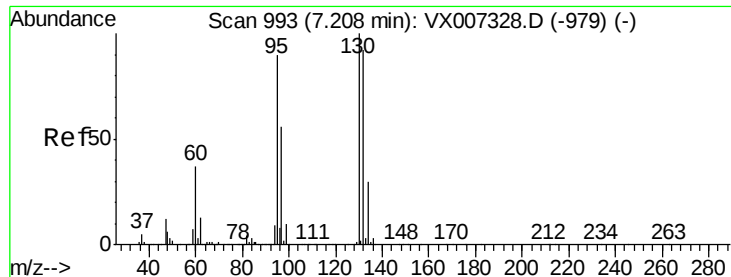
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2/7/2019 9:53:04 AM



#40
Benzene
Concen: 1.408 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.3	28.9





#44

Trichloroethene

Concen: 0.546 ug/l

RT: 7.23 min Scan# 996

Delta R.T. 0.02 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

Tot Ion:130 Resp: 3539

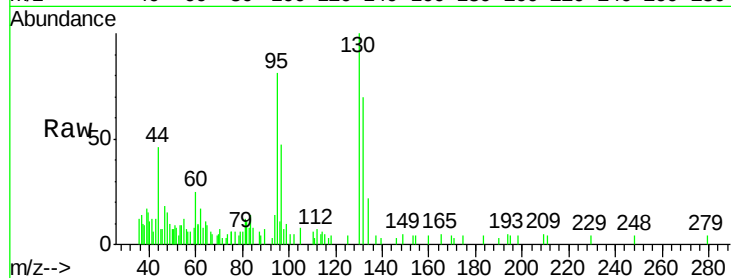
Ion Ratio Lower Upper

130 100

95 81.1 0.0 180.0

Manual Integrations
APPROVED

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2/7/2019 9:53:04 AM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

2000

1500

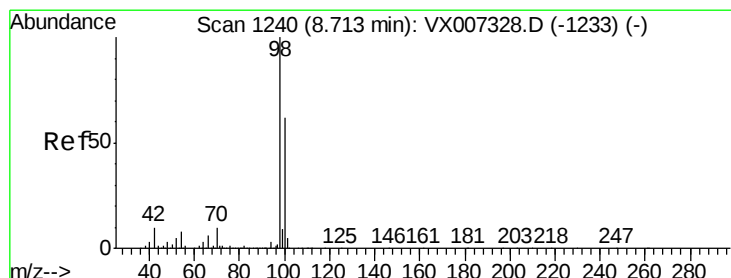
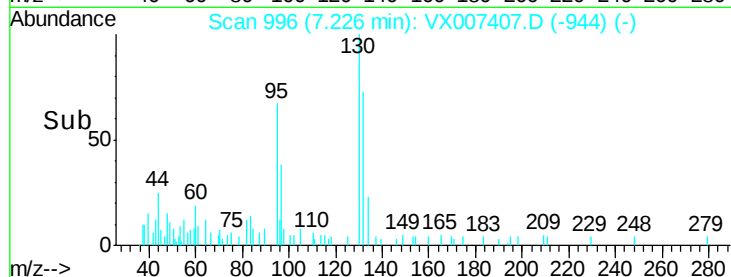
1000

500

0

7.10 7.15 7.20 7.25 7.30

Time-->



#50

Toluene-d8

Concen: 50.209 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007407.D

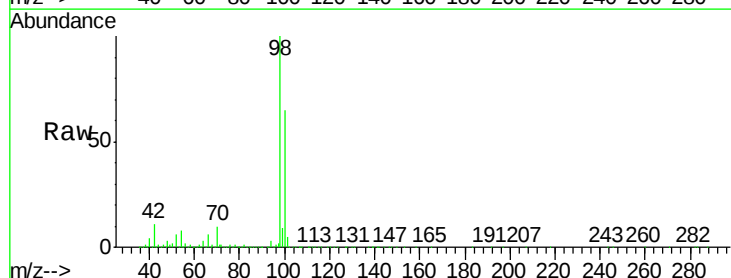
Acq: 06 Feb 2019 18:37

Tgt Ion: 98 Resp: 987760

Ion Ratio Lower Upper

98 100

100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

600000

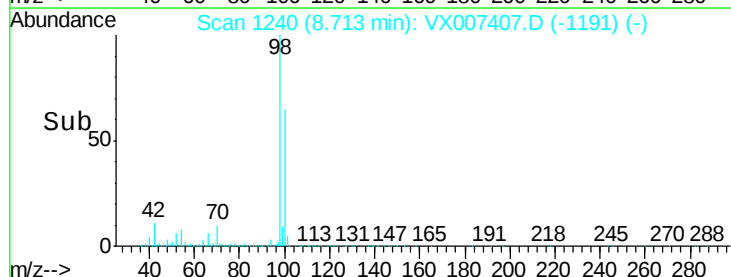
400000

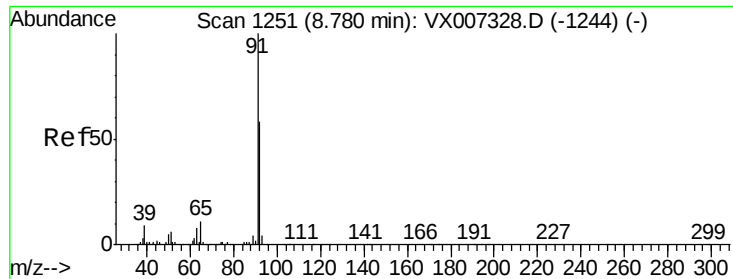
200000

0

8.50 8.60 8.70 8.80 8.90

Time-->





#52

Toluene

Concen: 44.674 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

Tot Ion: 92 Resp: 620811

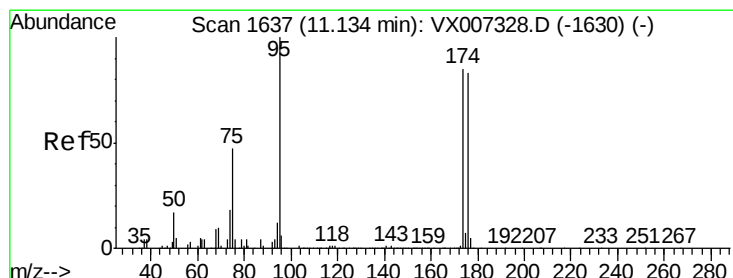
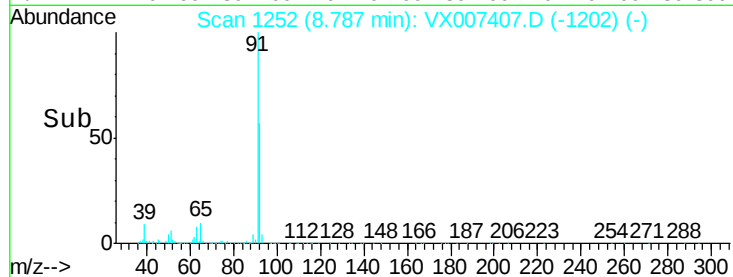
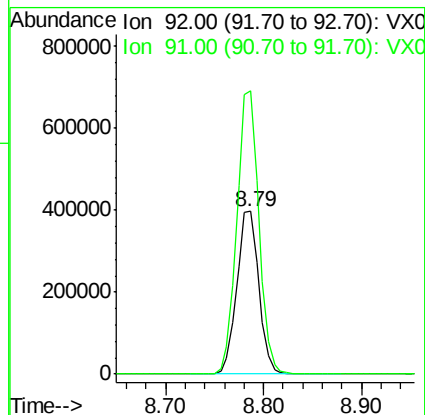
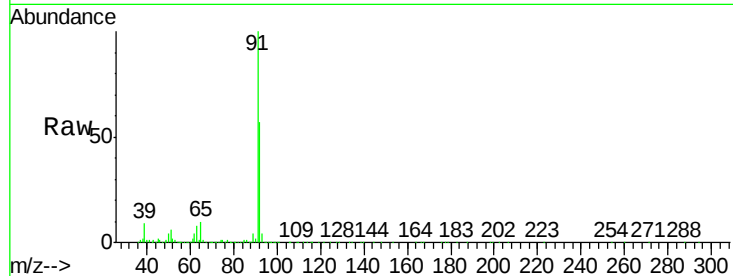
Ion Ratio Lower Upper

92 100

91 174.1 139.1 208.7

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#62

4-Bromofluorobenzene

Concen: 51.452 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

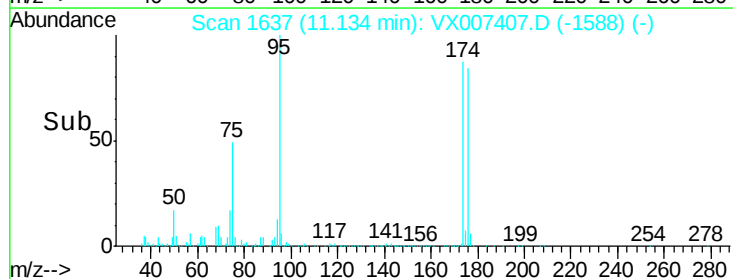
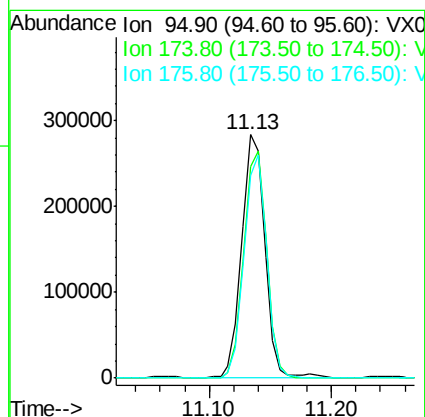
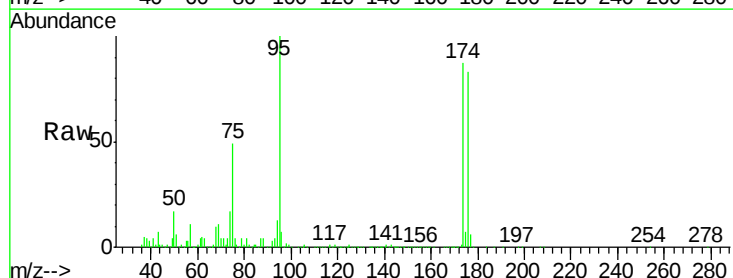
Tgt Ion: 95 Resp: 369560

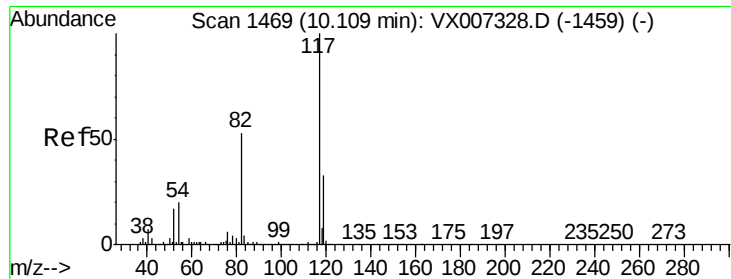
Ion Ratio Lower Upper

95 100

174 93.1 0.0 189.2

176 90.2 0.0 186.2





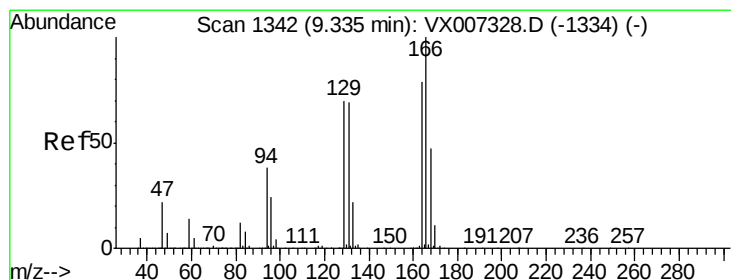
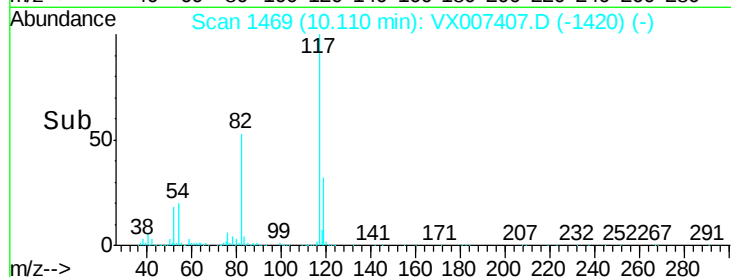
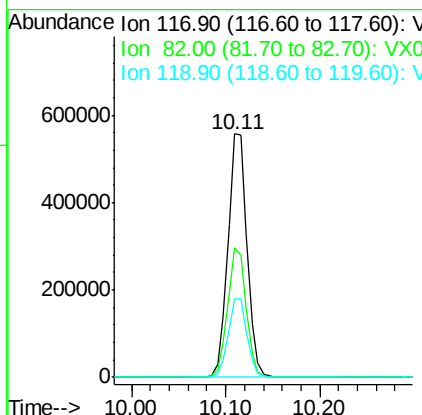
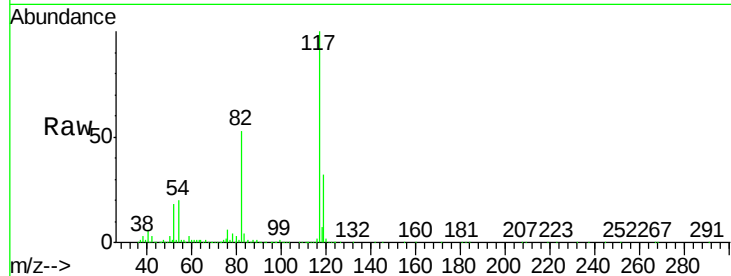
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Instrument :
MSVOA_X
ClientSampled :
DUP-1

Tot Ion	Ratio	Resp	Lower	Upper
117	100	782062		
82	53.3		42.1	63.1
119	32.2		26.5	39.7

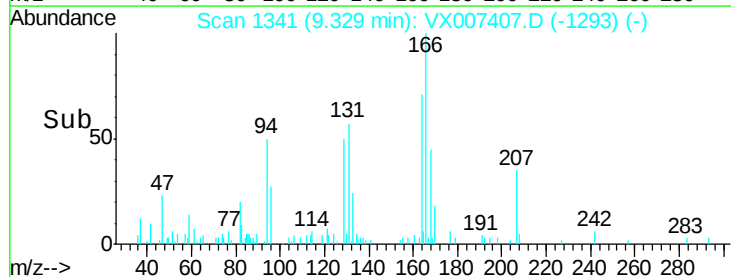
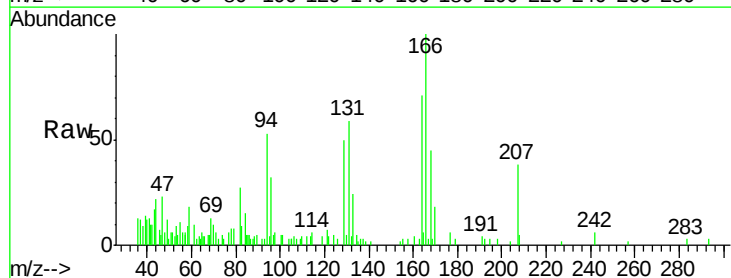
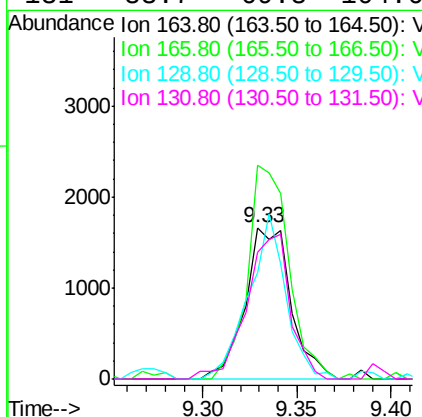
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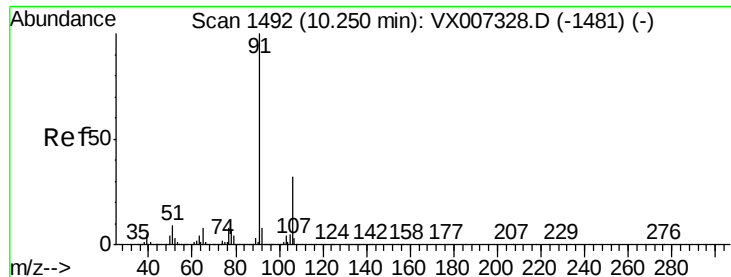
MMDadoda
2/7/2019 9:53:04 AM



#64
Tetrachloroethene
Concen: 0.380 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.01 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	2803		
166	140.8		101.0	151.4
129	70.0		70.5	105.7#
131	83.7		69.8	104.6





#67

Ethyl Benzene

Concen: 8.651 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampled :

DUP-1

Tot Ion: 91 Resp: 237751

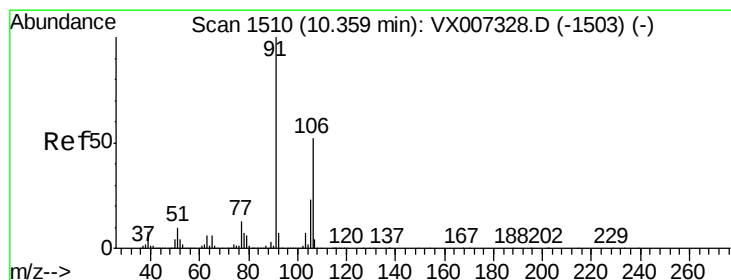
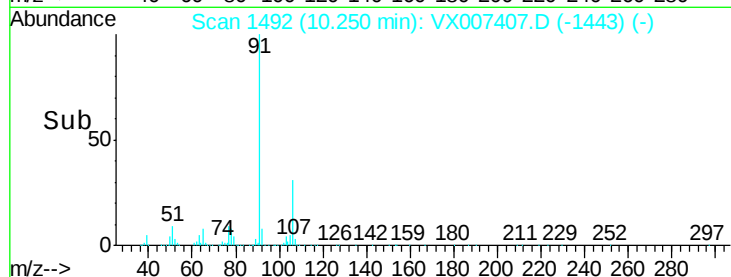
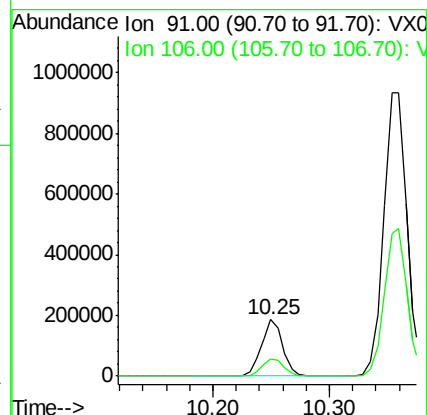
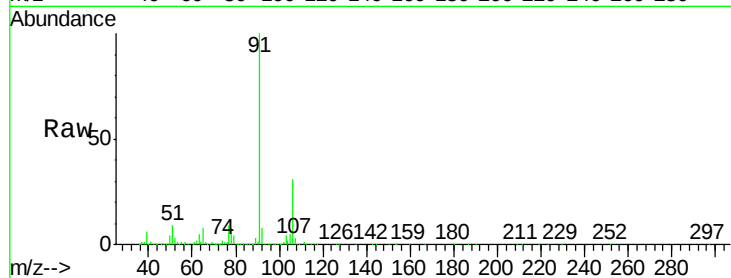
Ion Ratio Lower Upper

91 100

106 31.3 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 60.516 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007407.D

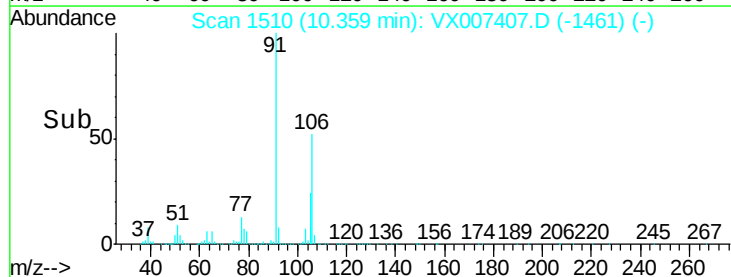
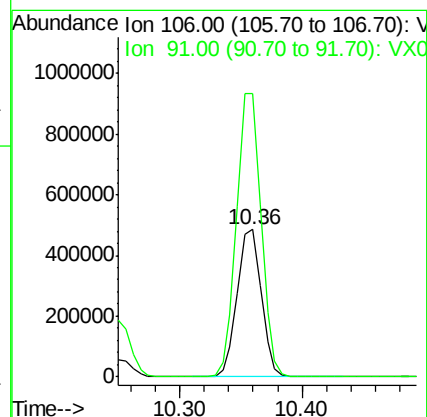
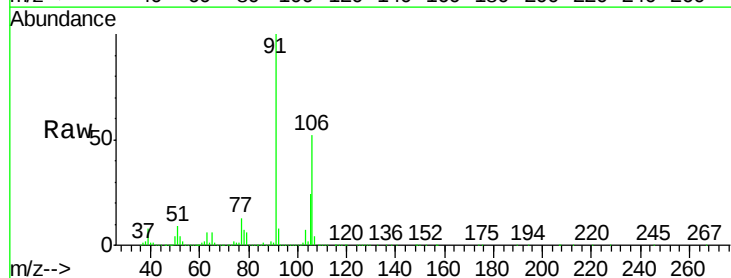
Acq: 06 Feb 2019 18:37

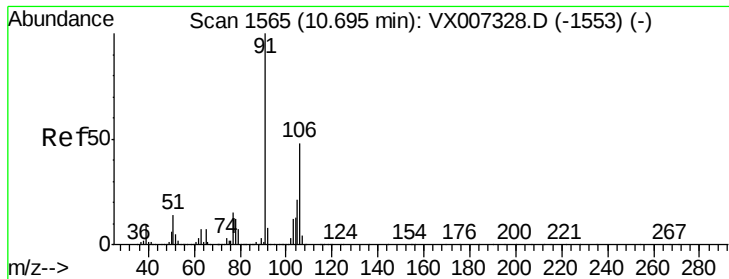
Tgt Ion: 106 Resp: 661125

Ion Ratio Lower Upper

106 100

91 195.6 156.6 234.8





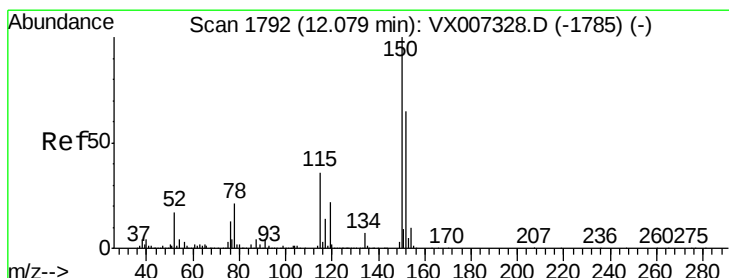
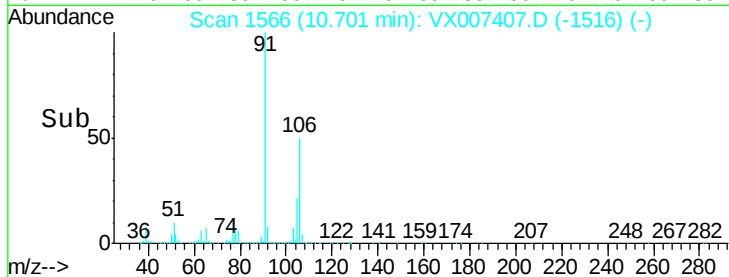
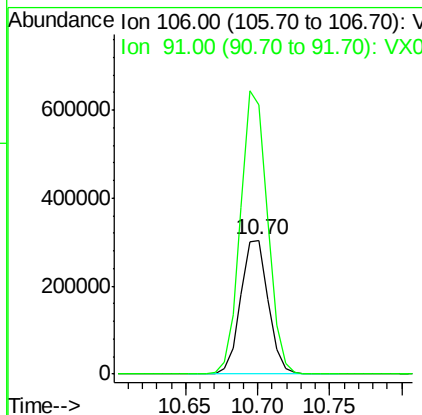
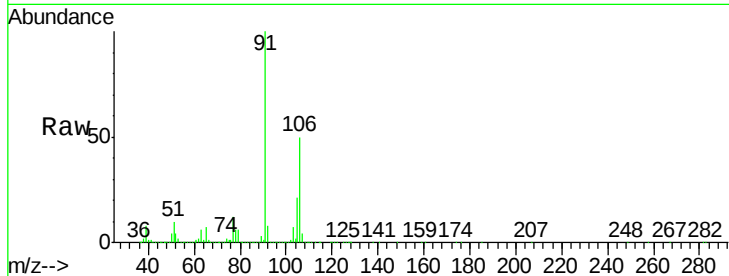
#69
o-Xylene
Concen: 38.526 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Instrument :
MSVOA_X
ClientSampleId :
DUP-1

Tot Ion	Ratio	Resp	Lower	Upper
106	100	405002		
91	207.2	102.9	308.7	

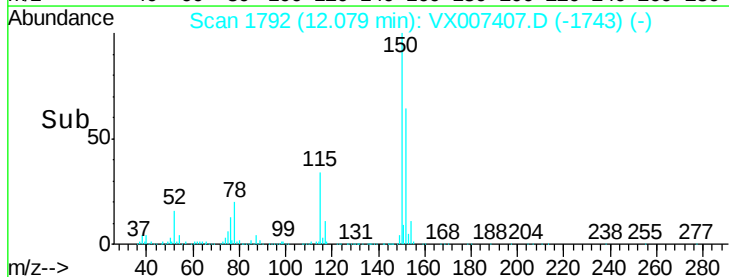
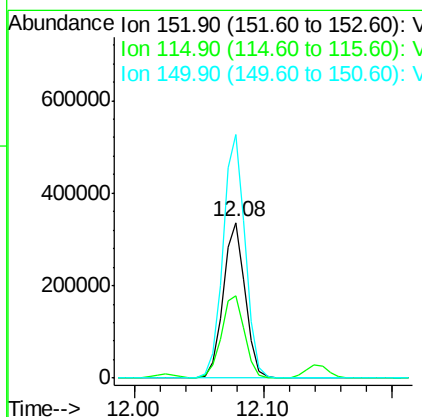
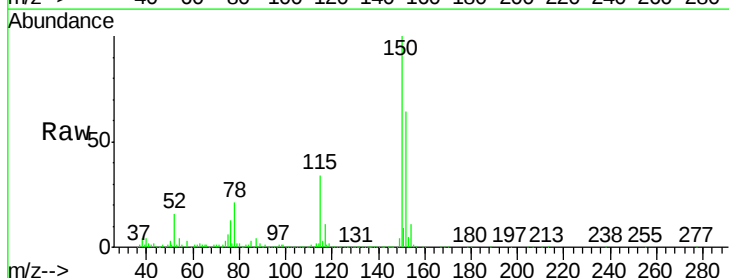
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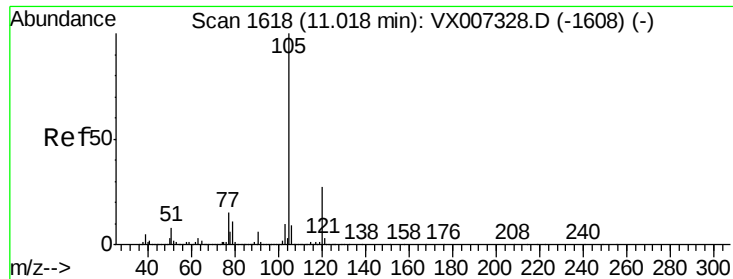
MMDadoda
2/7/2019 9:53:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	402600		
115	56.1	38.0	114.0	
150	157.9	0.0	346.4	





#73

Isopropylbenzene

Concen: 0.975 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007407.D

Acq: 06 Feb 2019 18:37

Instrument :

MSVOA_X

ClientSampleId :

DUP-1

Tot Ion: 105 Resp: 26665

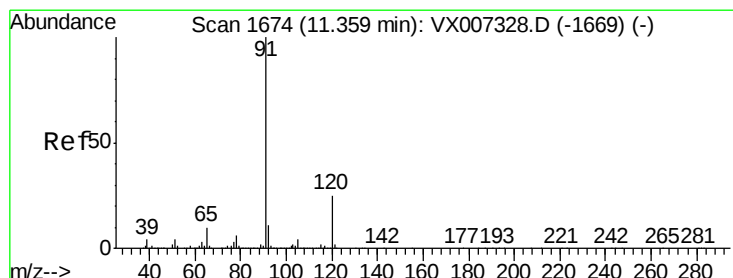
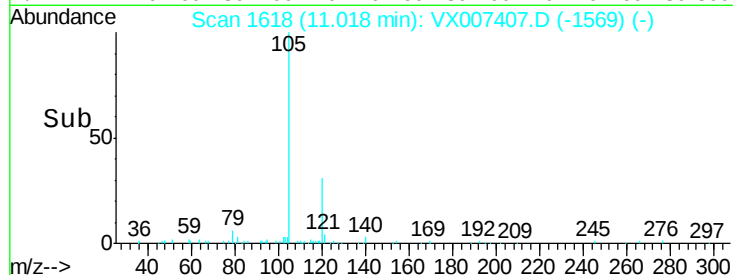
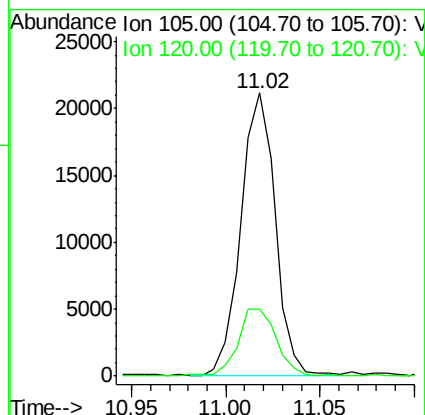
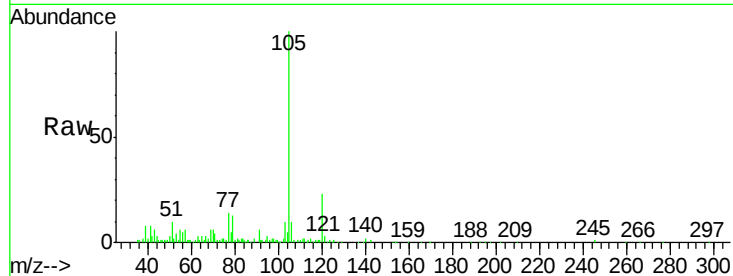
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7

Manual Integrations
APPROVED

MMDadoda
2/7/2019 9:53:04 AM



#78

n-propylbenzene

Concen: 2.362 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007407.D

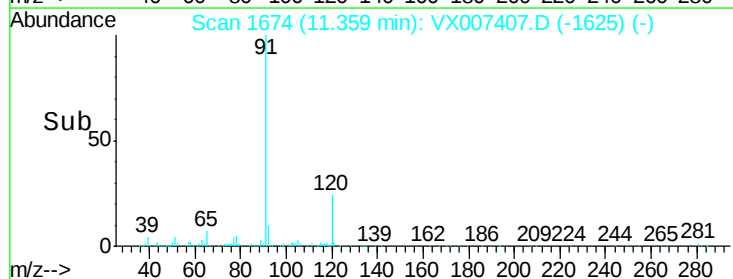
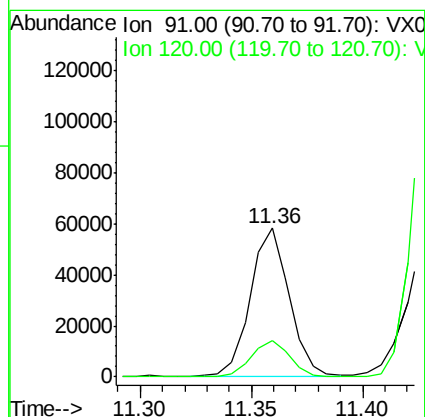
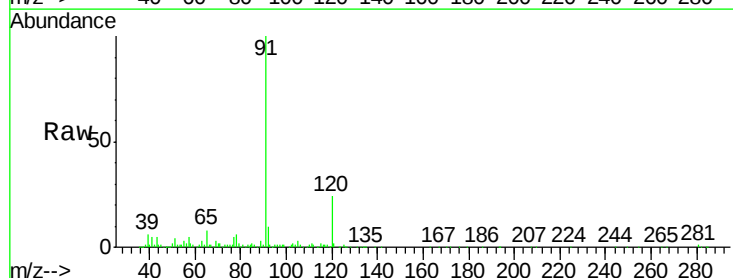
Acq: 06 Feb 2019 18:37

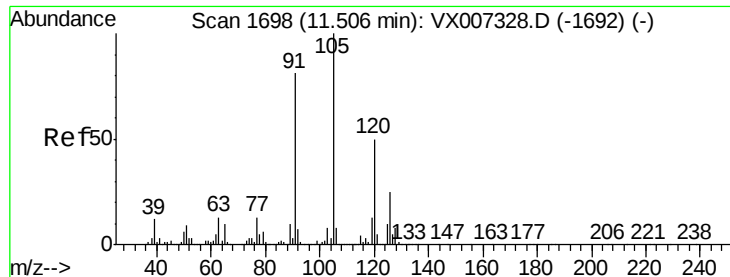
Tgt Ion: 91 Resp: 70847

Ion Ratio Lower Upper

91 100

120 24.9 12.4 37.2





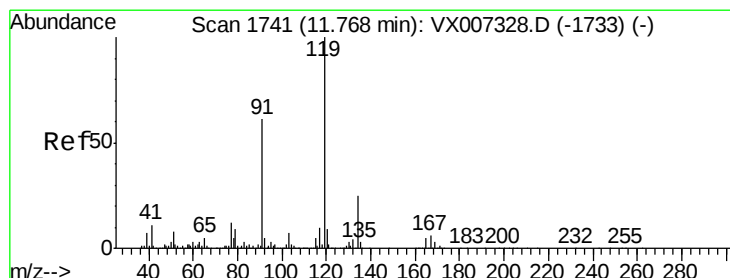
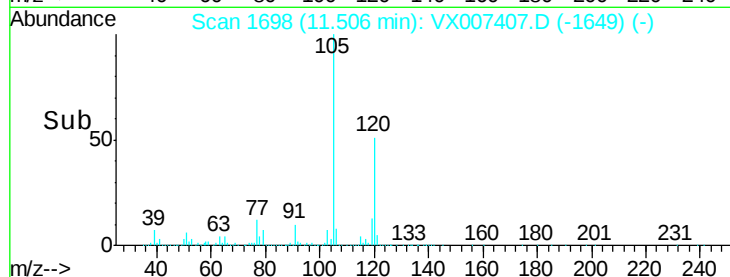
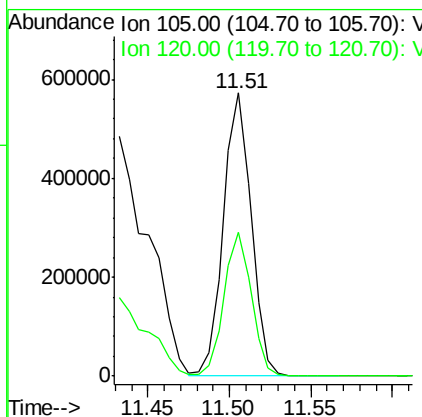
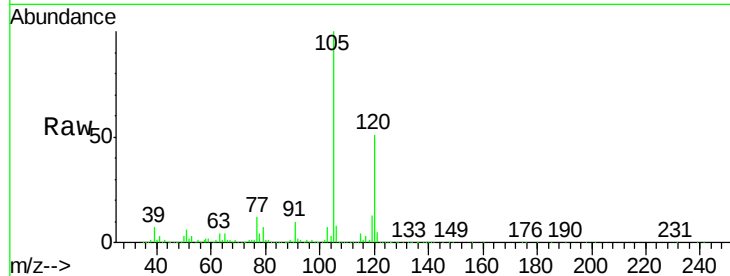
#80
 1,3,5-Trimethylbenzene
 Concen: 30.339 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.3	75.8

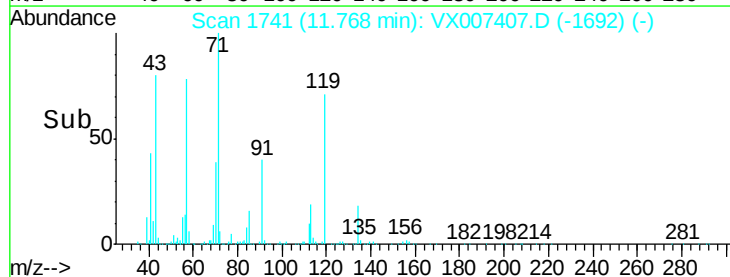
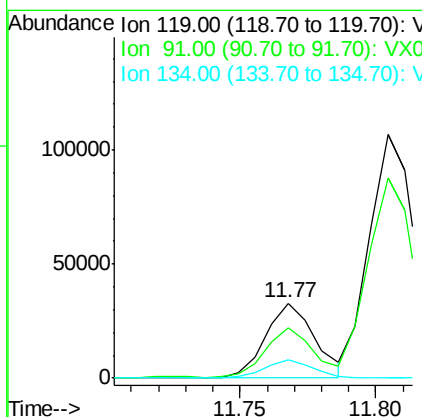
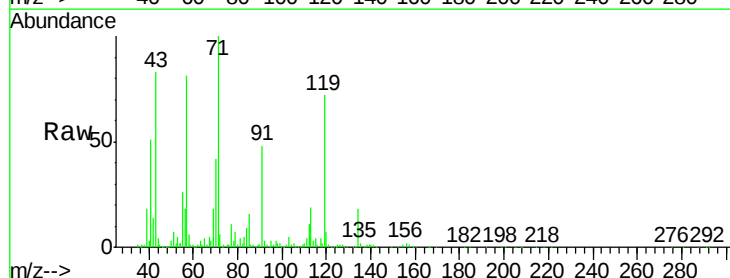
Manual Integrations
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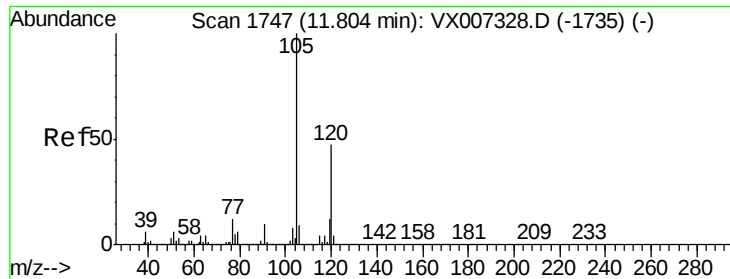
MMDadoda
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#83
 tert-Butylbenzene
 Concen: 1.860 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.8	28.5	85.6
134	24.2	12.0	36.0





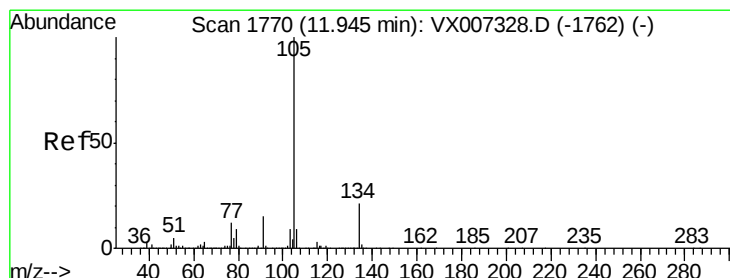
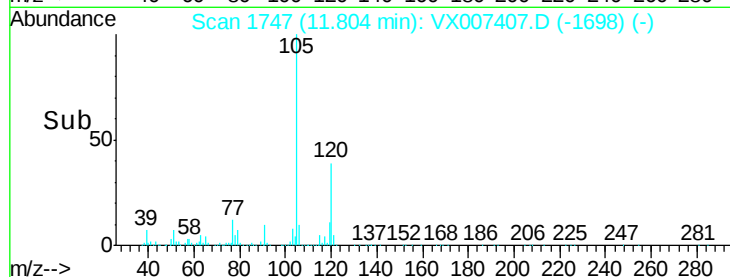
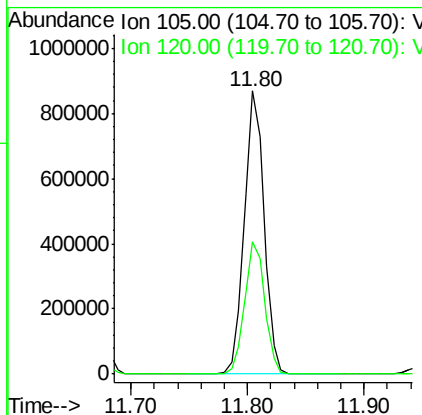
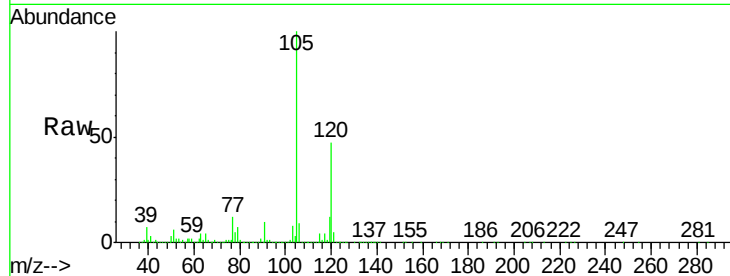
#84
 1,2,4-Trimethylbenzene
 Concen: 45.542 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Instrument :
 MSVOA_X
 ClientSampled :
 DUP-1

Tot Ion:105 Resp: 1034888
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.1 69.3

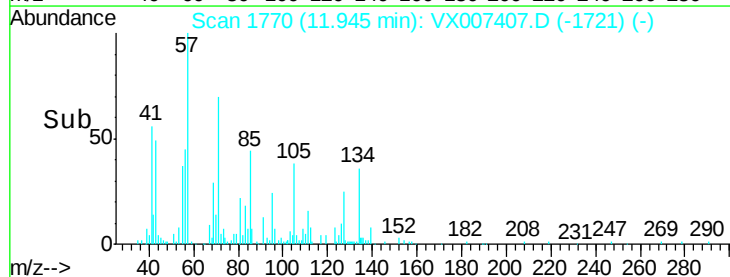
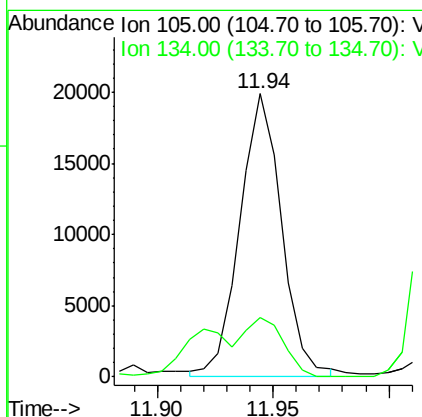
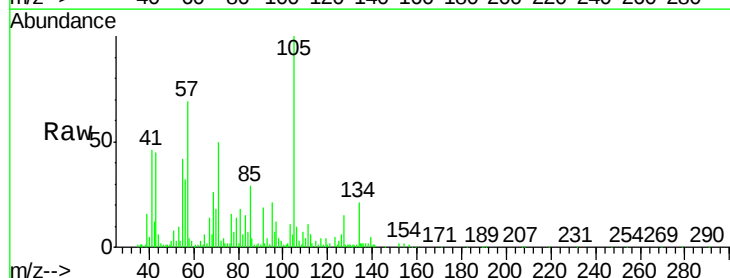
Manual Integrations
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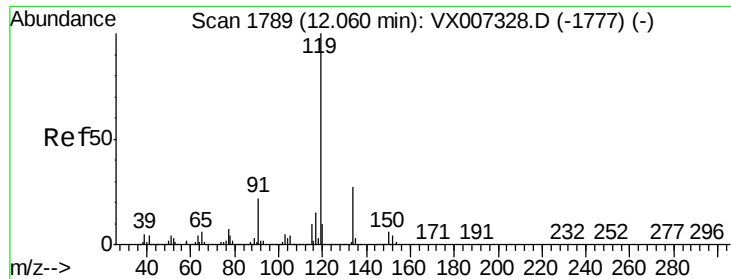
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 2/7/2019 9:53:04 AM



#85
 sec-Butylbenzene
 Concen: 0.932 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007407.D
 Acq: 06 Feb 2019 18:37

Tgt Ion:105 Resp: 25009
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.6 31.8#





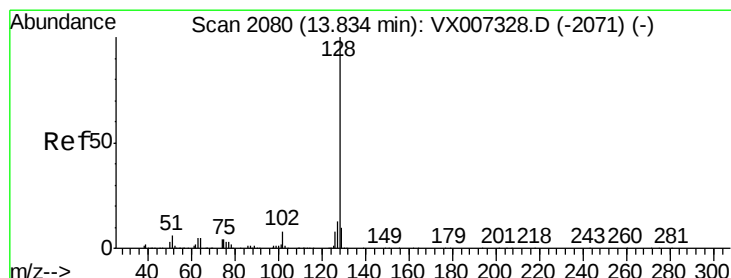
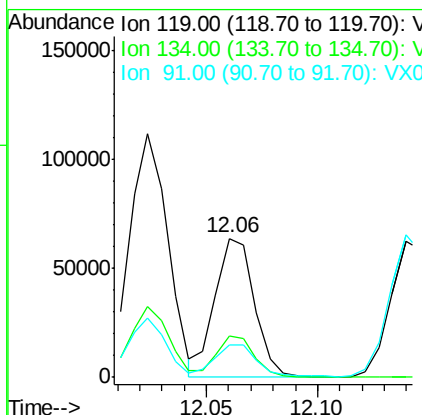
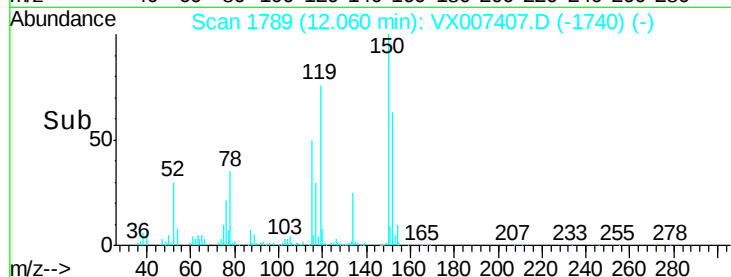
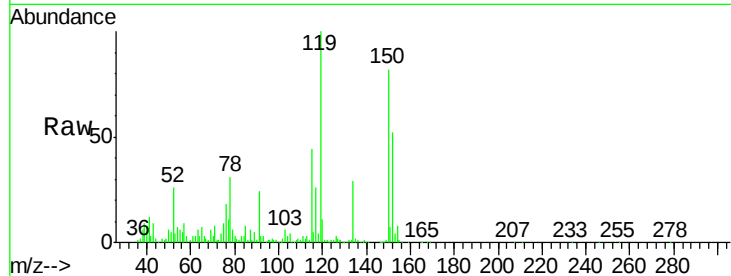
#86
p-Isopropyltoluene
Concen: 3.221 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Instrument :
MSVOA_X
ClientSampled :
DUP-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.9	13.7	41.1
91	24.5	11.2	33.5

Manual Integrations
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2/7/2019 9:53:04 AM



#95
Naphthalene
Concen: 12.729 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007407.D
Acq: 06 Feb 2019 18:37

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	11.4	8.7	13.1

