

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX092818\
 Data File : VX004830.D
 Acq On : 28 Sep 2018 19:12
 Operator : JC/MD
 Sample : J5130-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 1:31:28 PM

Quant Time: Oct 01 13:00:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	252177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	394915	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	384603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229930	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	178848	49.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.30%	
35) Dibromofluoromethane	5.51	113	150526	44.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.94%	
50) Toluene-d8	8.71	98	568885	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.14	95	220999	55.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.26%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	36185	9.249	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	31129	9.316	ug/l	97
31) Cyclohexane	5.57	56	436084	95.142	ug/l	91
39) Methylcyclohexane	7.46	83	399397	85.654	ug/l	94
40) Benzene	6.14	78	294370	20.591	ug/l	99
44) Trichloroethene	7.21	130	1698	0.483	ug/l	92
52) Toluene	8.79	92	31642	4.028	ug/l	100
67) Ethyl Benzene	10.26	91	386105	24.659	ug/l	98
68) m/p-Xylenes	10.36	106	315219	51.518	ug/l	94
69) o-Xylene	10.70	106	7800	1.388	ug/l	90
73) Isopropylbenzene	11.02	105	149250	10.298	ug/l	99
78) n-propylbenzene	11.36	91	201358	12.109	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	204767	15.278	ug/l	96
83) tert-Butylbenzene	11.77	119	7148	0.599	ug/l	87
84) 1,2,4-Trimethylbenzene	11.81	105	501815	36.580	ug/l	100
85) sec-Butylbenzene	11.94	105	67790	4.664	ug/l	96
86) p-Isopropyltoluene	12.07	119	43892	3.333	ug/l	96
89) n-Butylbenzene	12.38	91	30290m	2.533	ug/l	
95) Naphthalene	13.83	128	56190	3.615	ug/l	97

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

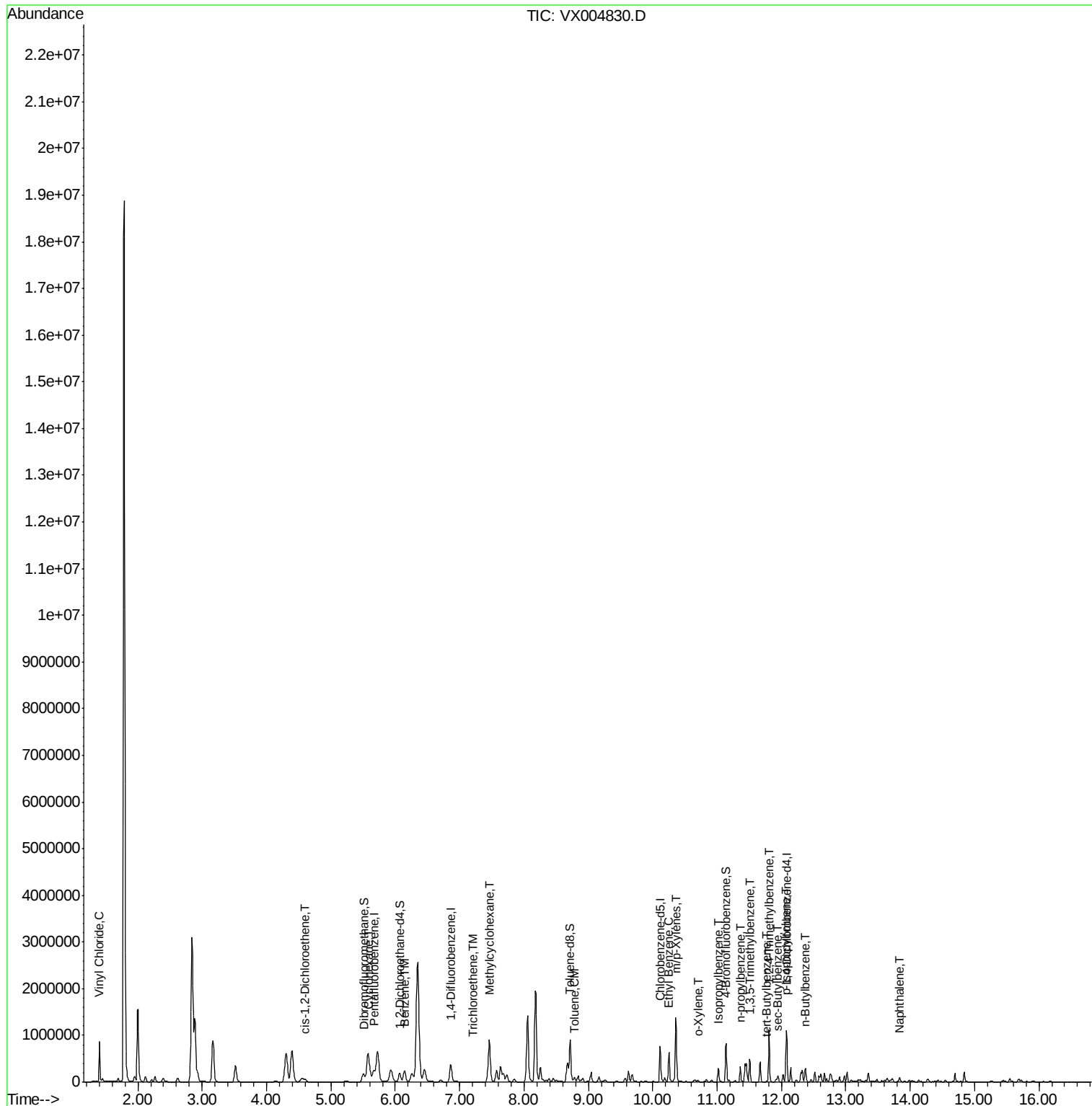
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092818\
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Quant Time: Oct 01 13:00:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

Tot Ion:168 Resp: 252177

Ion Ratio Lower Upper

168 100

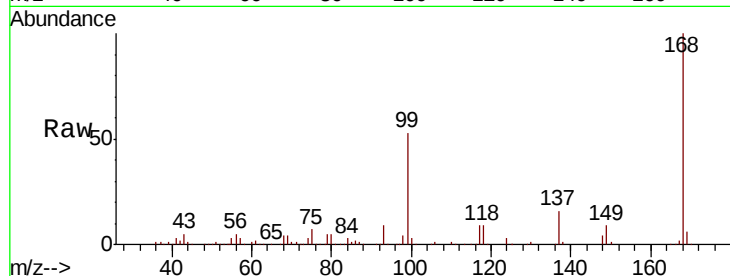
99 52.6 39.9 59.9

Manual Integrations

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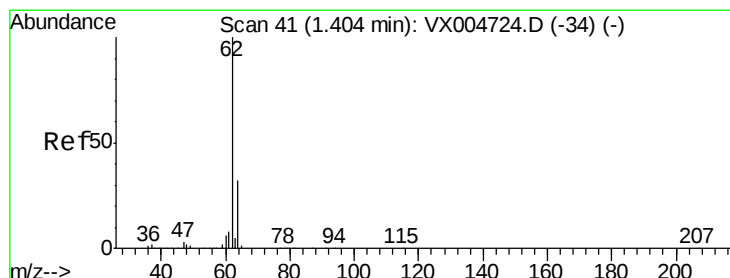
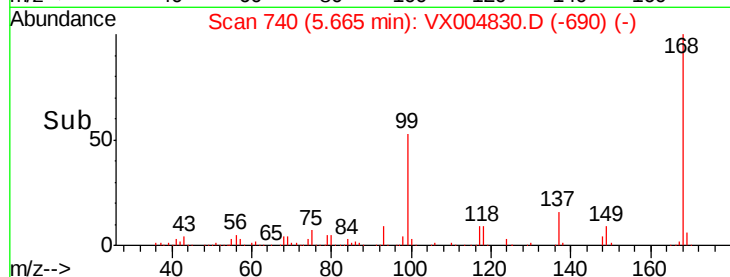
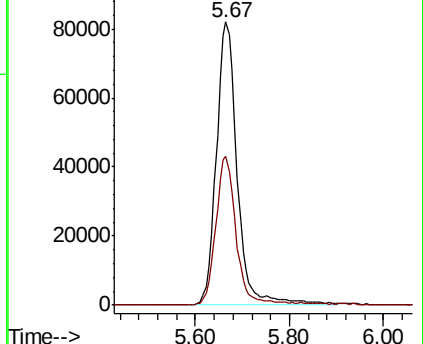
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 9.249 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004830.D

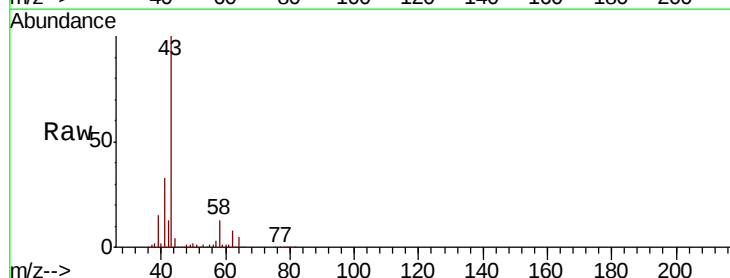
Acq: 28 Sep 2018 19:12

Tgt Ion: 62 Resp: 36185

Ion Ratio Lower Upper

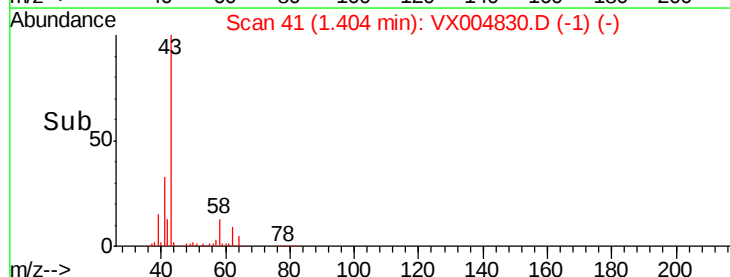
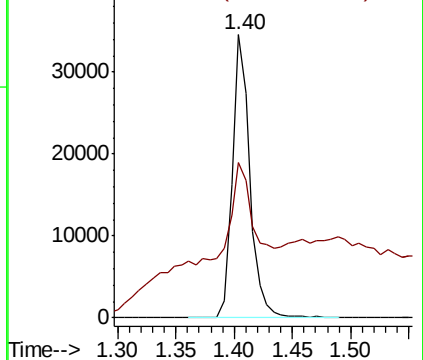
62 100

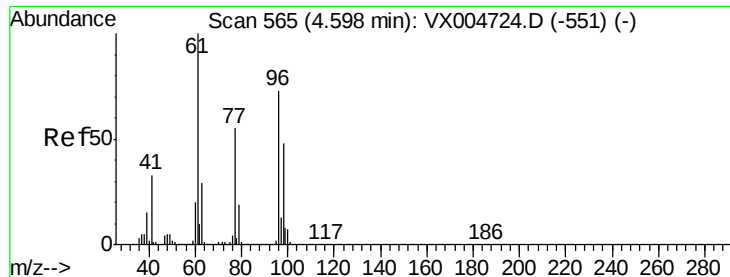
64 34.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#27

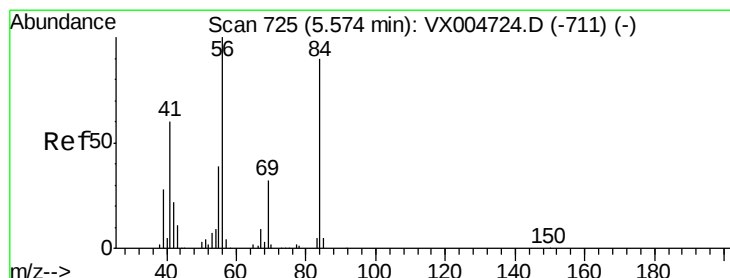
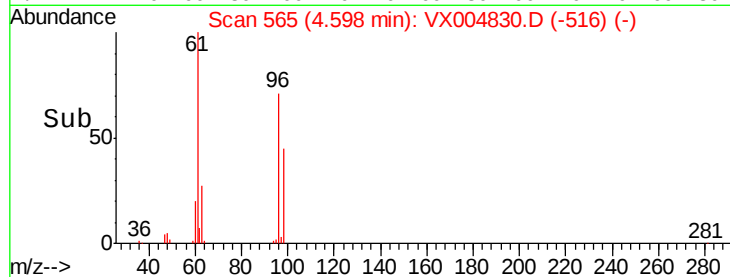
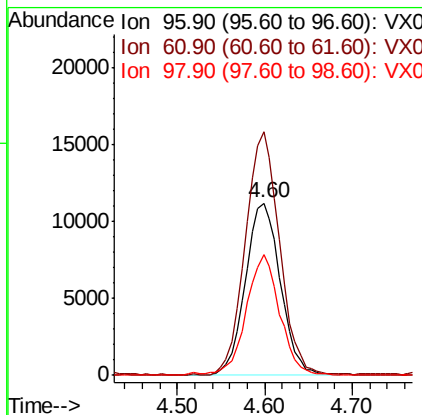
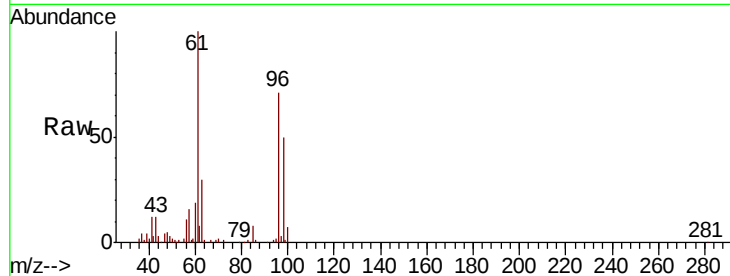
cis-1,2-Dichloroethene
 Concen: 9.316 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	282.6
98	66.9	0.0	130.2

Manual Integrations
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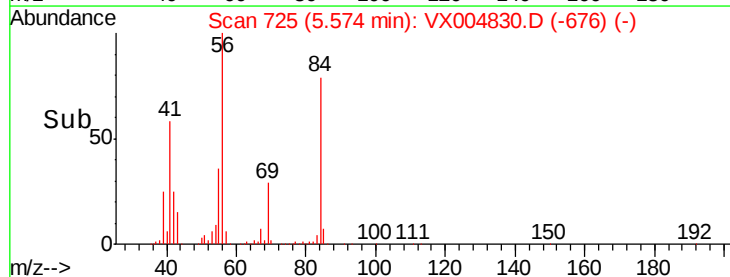
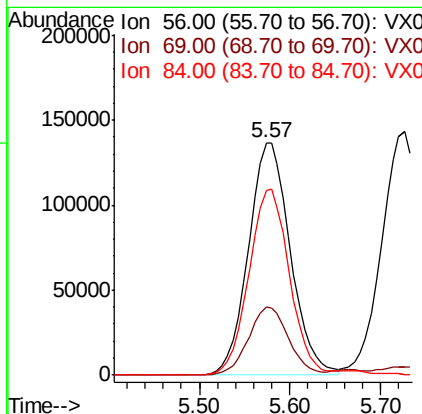
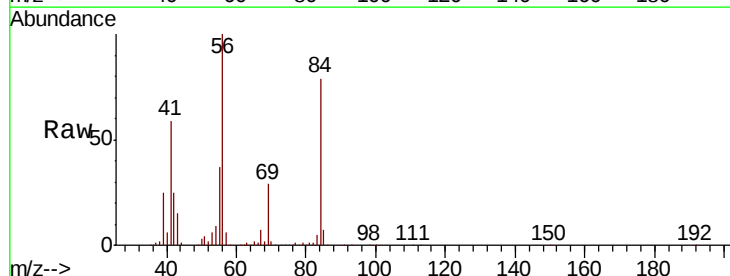
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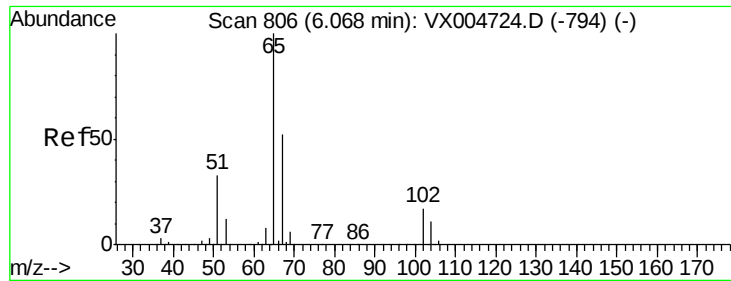


#31

Cyclohexane
 Concen: 95.142 ug/l
 RT: 5.57 min Scan# 725
 Delta R.T. -0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.4	38.2
84	79.5	71.4	107.2





#33

1,2-Dichloroethane-d4

Concen: 49.648 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

Tot Ion: 65 Resp: 178848

Ion Ratio Lower Upper

65 100

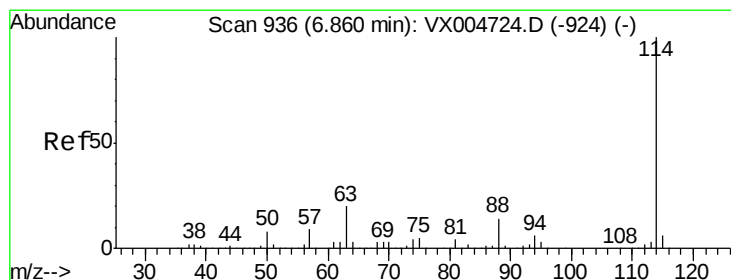
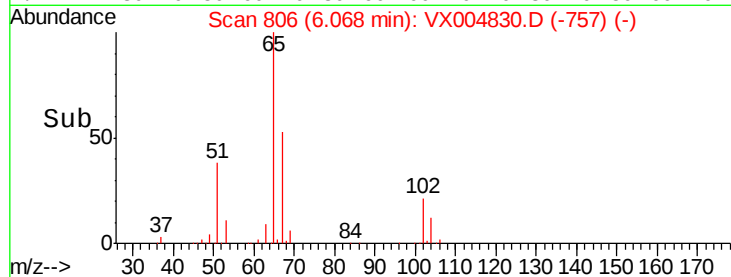
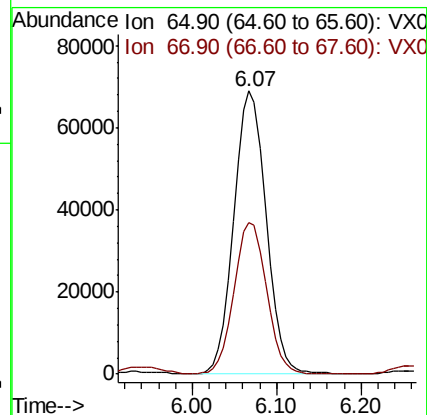
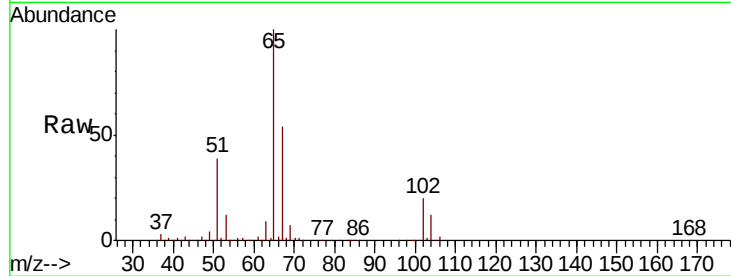
67 53.7 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

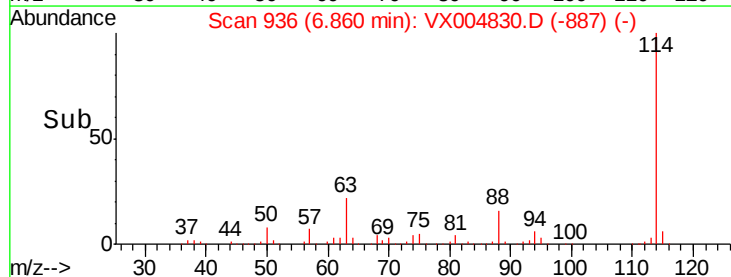
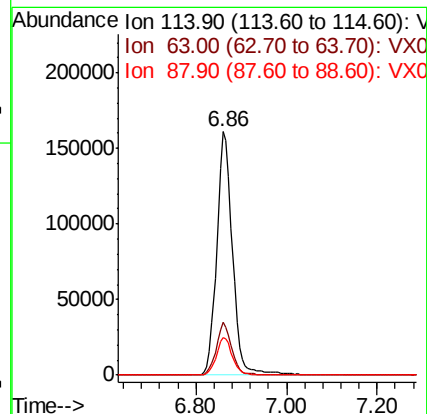
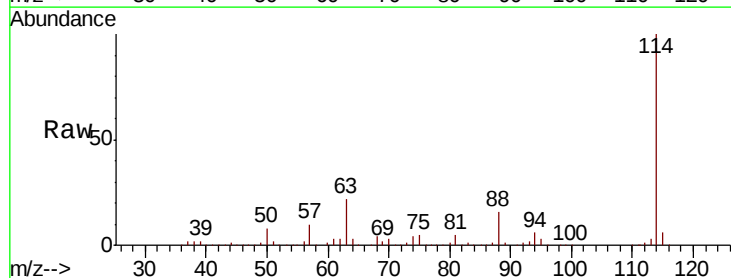
Tgt Ion: 114 Resp: 394915

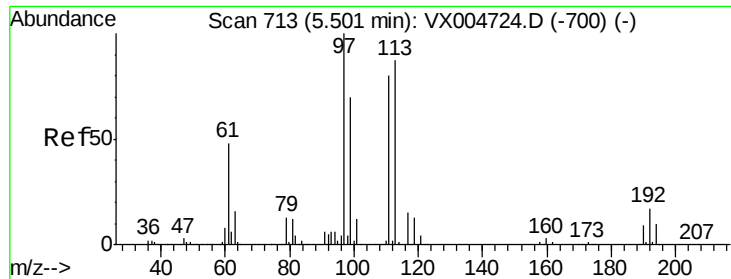
Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.0

88 15.6 0.0 30.4





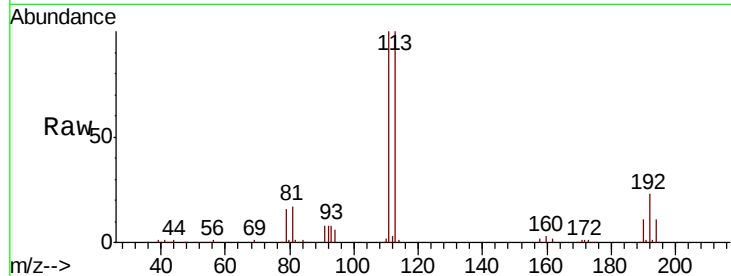
#35
Dibromofluoromethane
Concen: 44.974 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_X
ClientSampled :
FA18-JBW-7333

Tot Ion	Ratio	Resp	Lower	Upper
113	100	150526		
111	103.4	82.4	123.6	
192	22.6	19.4	29.2	

Manual Integrations
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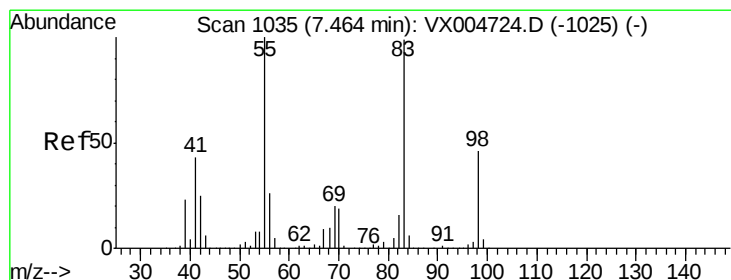
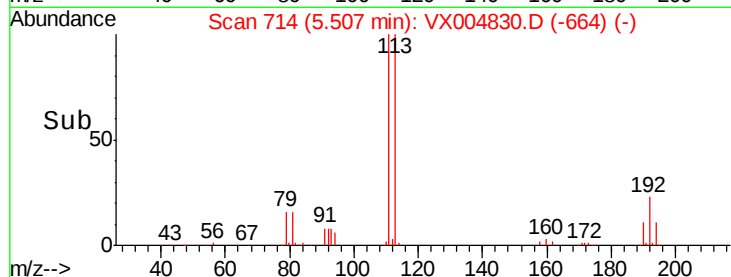
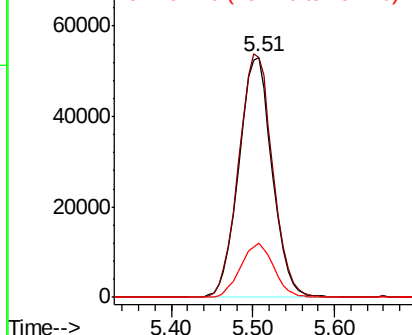


Abundance

Ion 112.80 (112.50 to 113.50): V

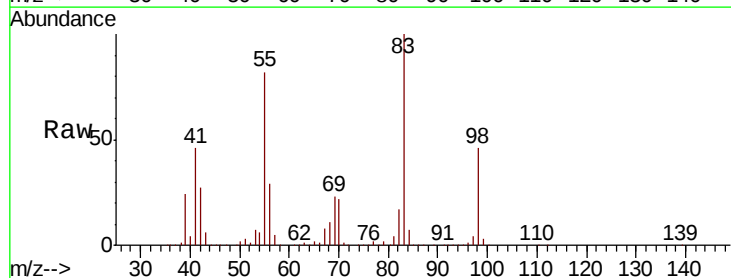
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39
Methylcyclohexane
Concen: 85.654 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	399397		
55	82.0	61.0	91.4	
98	45.6	39.6	59.4	

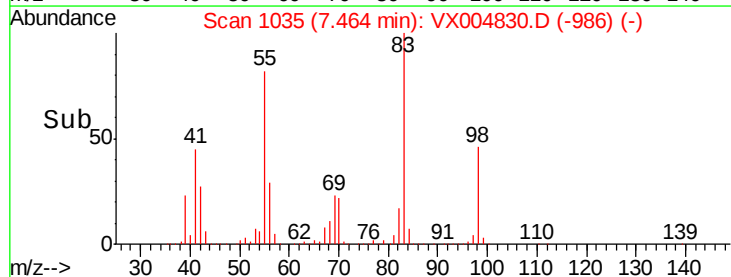
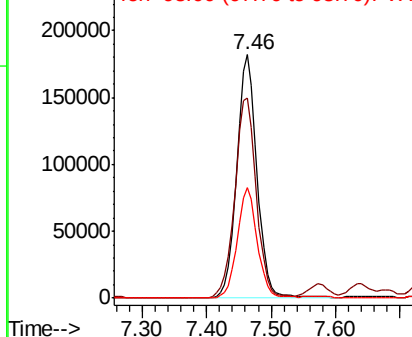


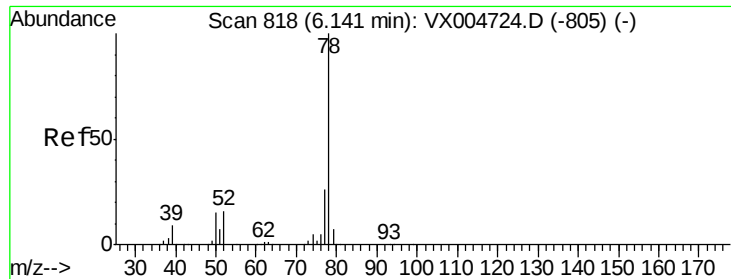
Abundance

Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 20.591 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

Tot Ion: 78 Resp: 294370

Ion Ratio Lower Upper

78 100

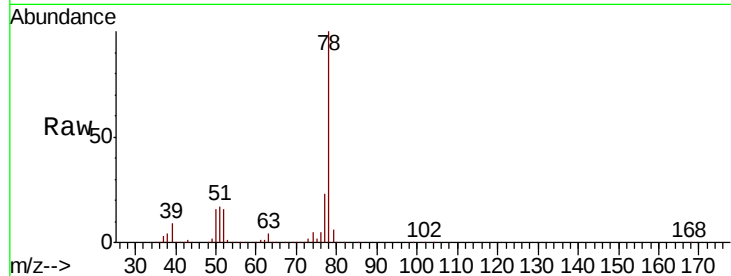
77 23.1 19.0 28.4

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

120000

100000

80000

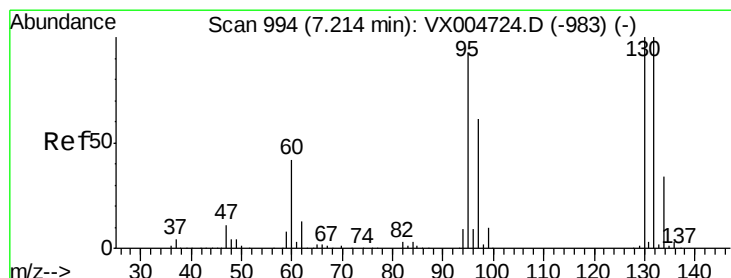
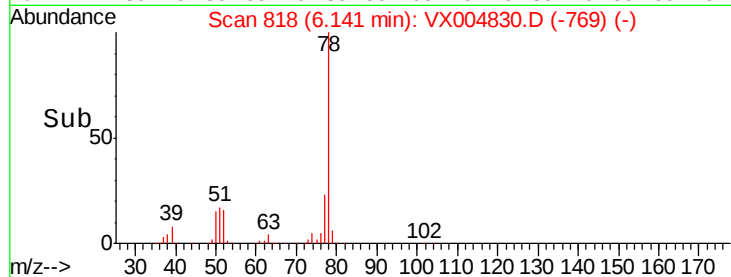
60000

40000

20000

0

Time-->



#44

Trichloroethene

Concen: 0.483 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004830.D

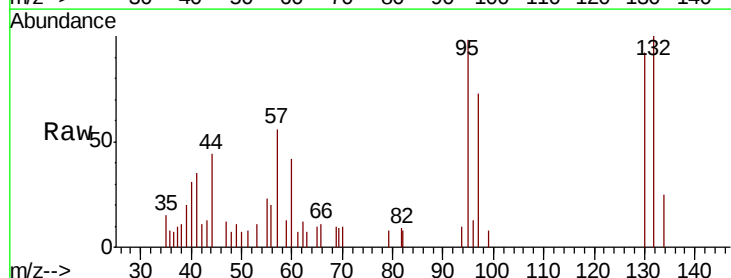
Acq: 28 Sep 2018 19:12

Tgt Ion:130 Resp: 1698

Ion Ratio Lower Upper

130 100

95 98.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

800

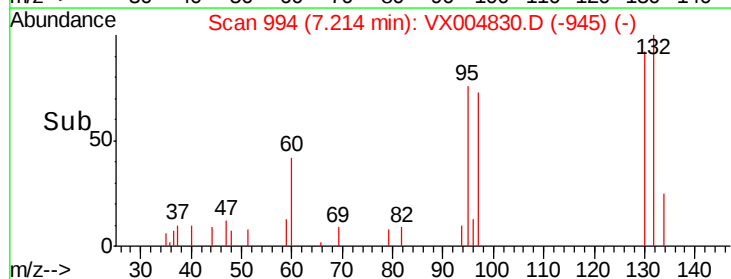
600

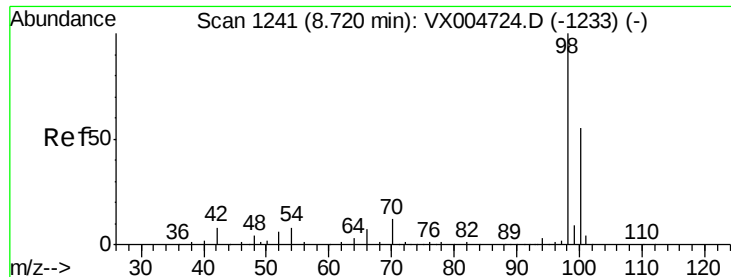
400

200

0

Time-->





#50

Toluene-d8

Concen: 51.127 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

Tot Ion: 98 Resp: 568885

Ion Ratio Lower Upper

98 100

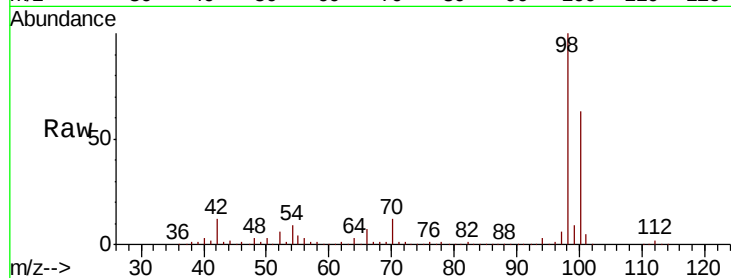
100 65.9 52.9 79.3

Manual Integrations

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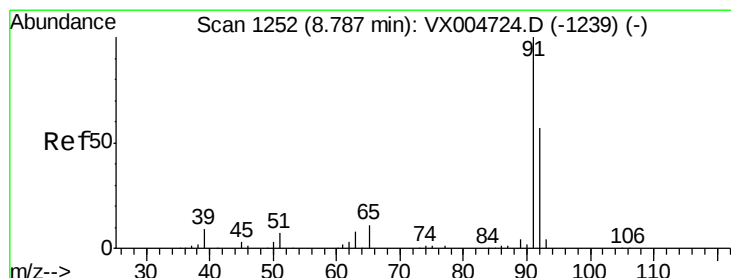
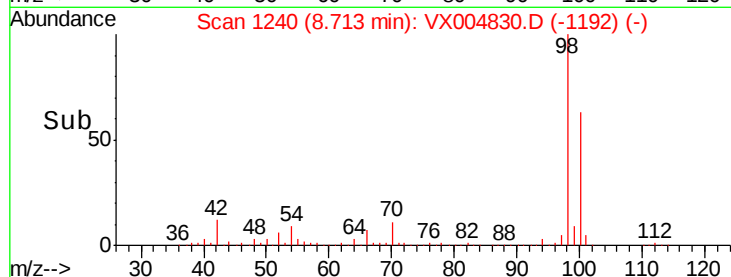
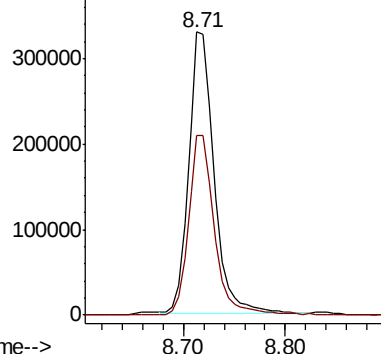
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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 4.028 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004830.D

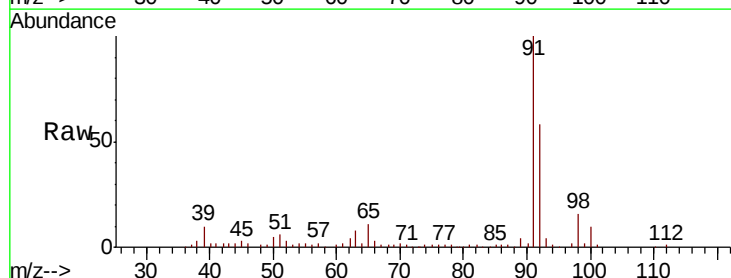
Acq: 28 Sep 2018 19:12

Tgt Ion: 92 Resp: 31642

Ion Ratio Lower Upper

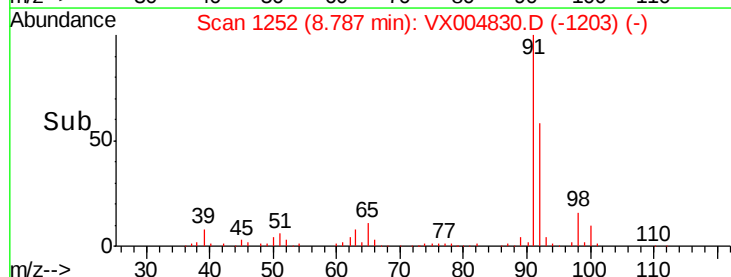
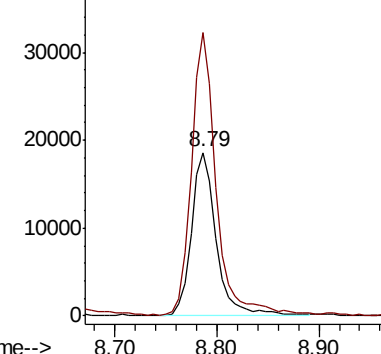
92 100

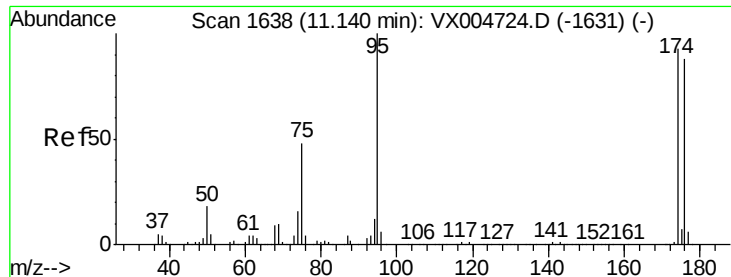
91 170.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





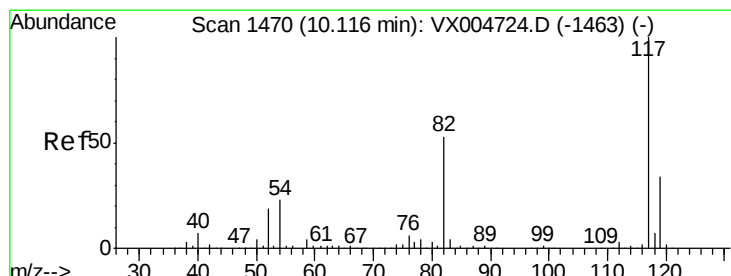
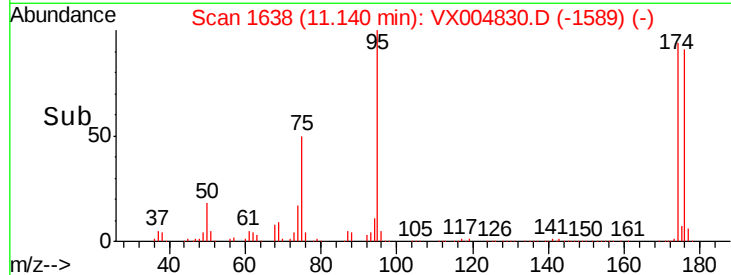
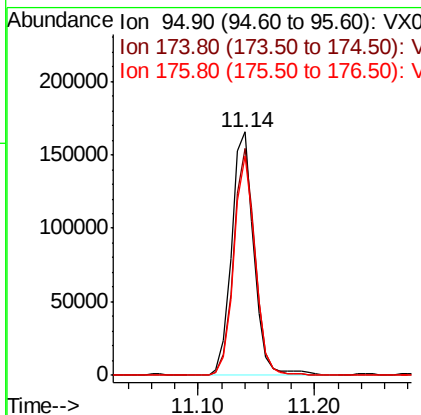
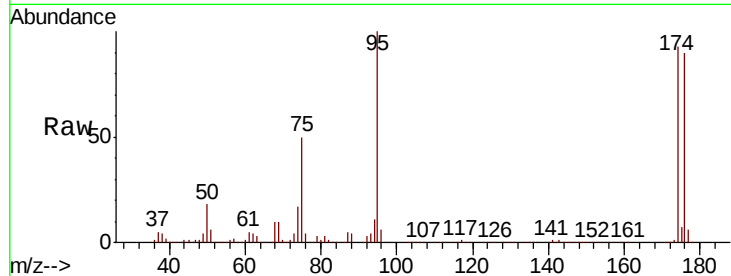
#62
4-Bromofluorobenzene
Concen: 55.132 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

Tot Ion	Ratio	Resp	Lower	Upper
95	100	220999		
174	89.7	0.0	185.2	
176	86.4	0.0	178.6	

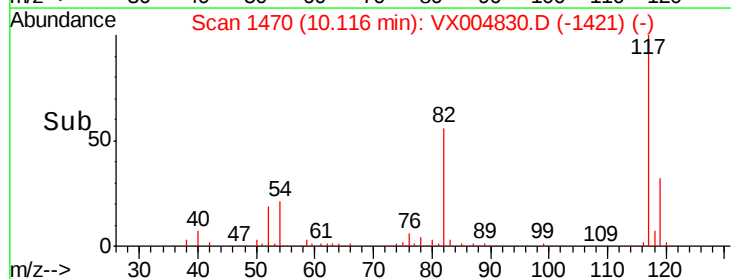
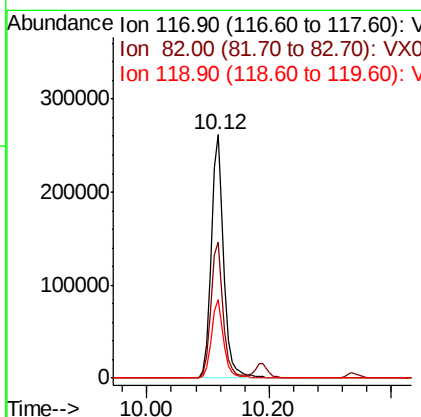
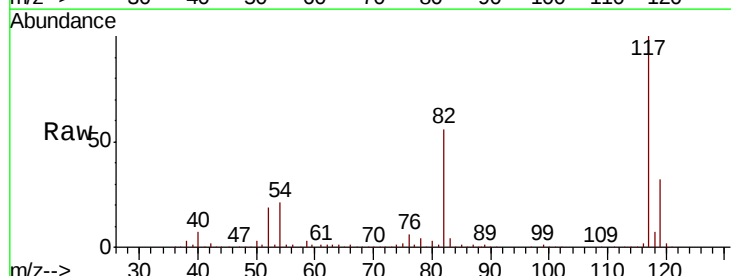
Manual Integrations
APPROVED

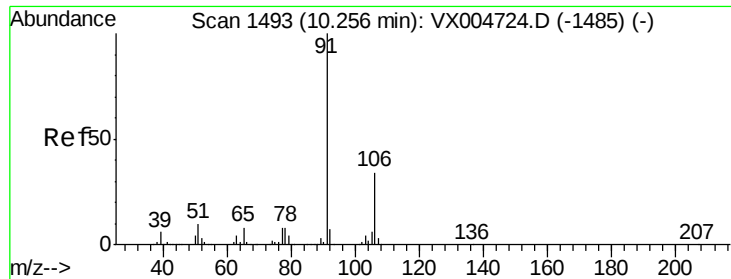
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	384603		
82	55.7	47.8	71.6	
119	32.4	29.3	43.9	





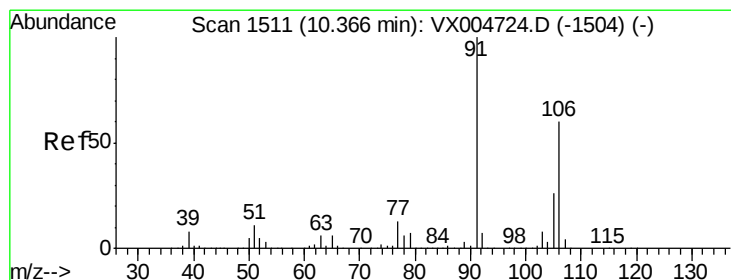
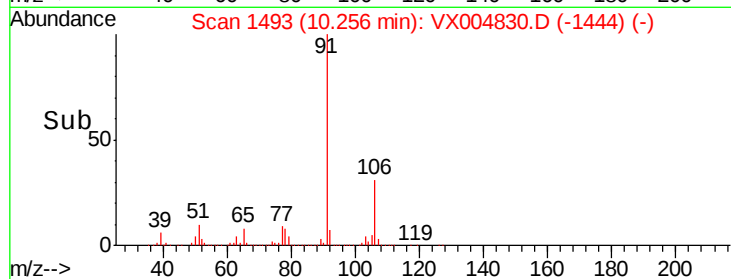
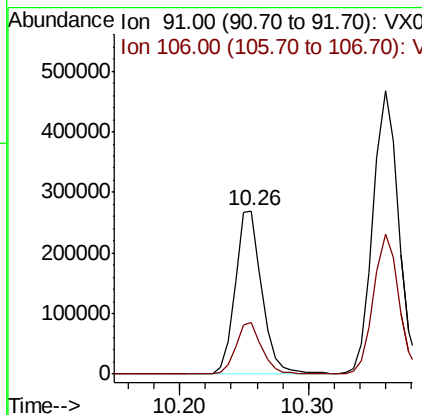
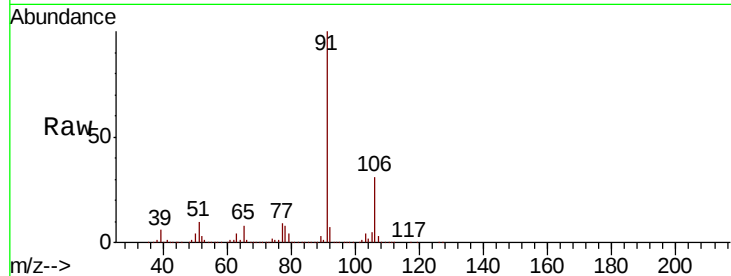
#67
Ethyl Benzene
Concen: 24.659 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_X
ClientSampled :
FA18-JBW-7333

Tot Ion: 91 Resp: 386105
Ion Ratio Lower Upper
91 100
106 31.4 25.9 38.9

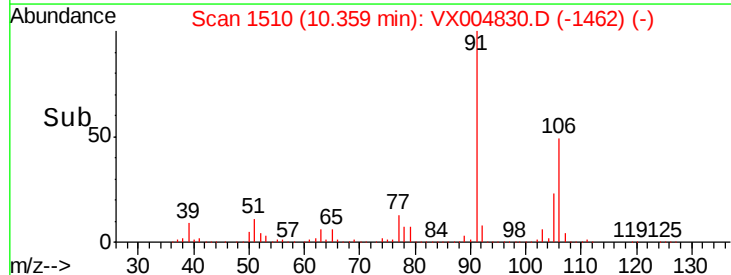
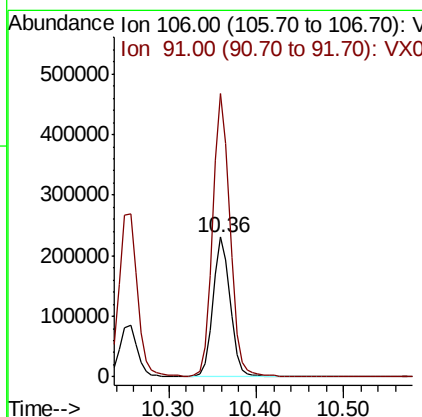
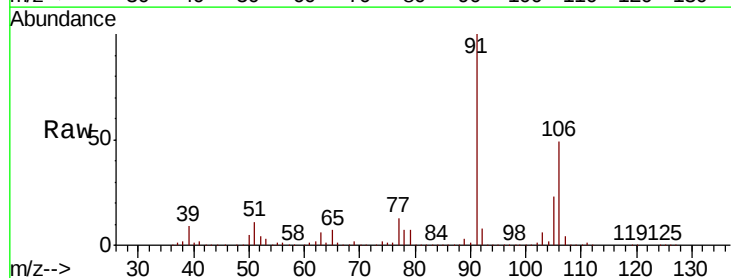
Manual Integrations
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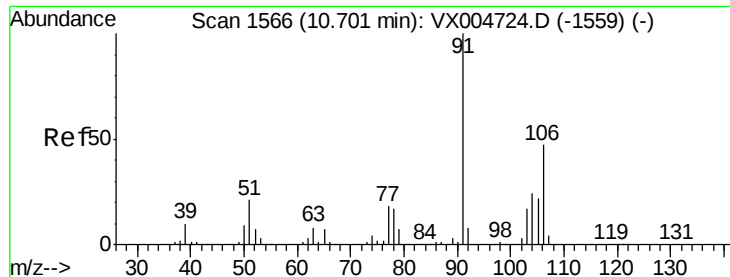
MMDadoda
10/1/2018 1:31:28 PM



#68
m/p-Xylenes
Concen: 51.518 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion: 106 Resp: 315219
Ion Ratio Lower Upper
106 100
91 205.2 157.1 235.7





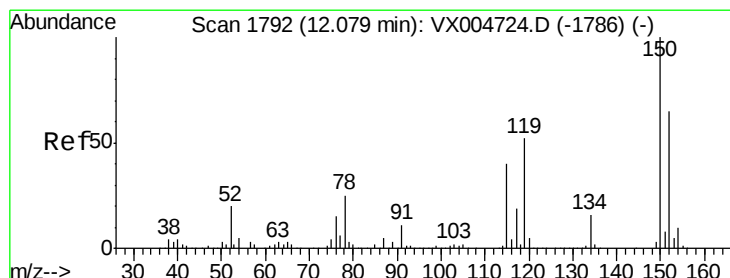
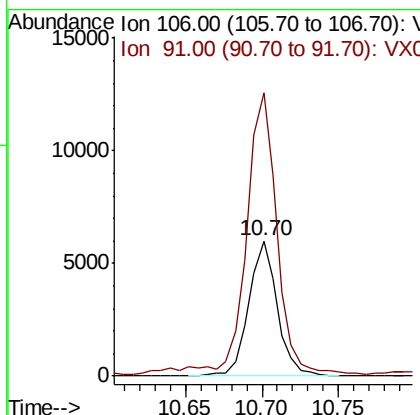
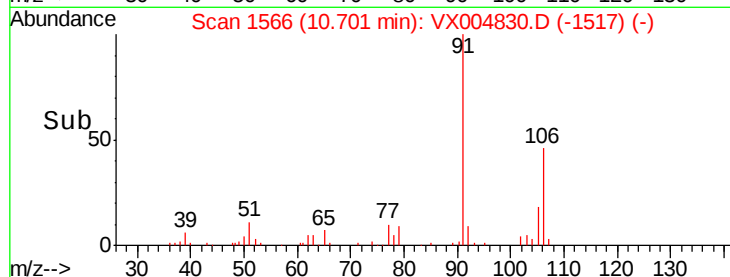
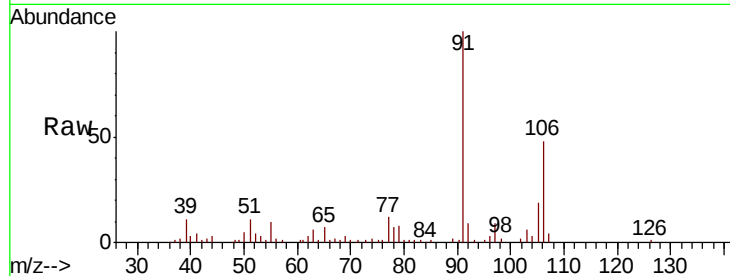
#69
o-Xylene
Concen: 1.388 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

Tot Ion:106 Resp: 7800
Ion Ratio Lower Upper
106 100
91 226.4 105.1 315.1

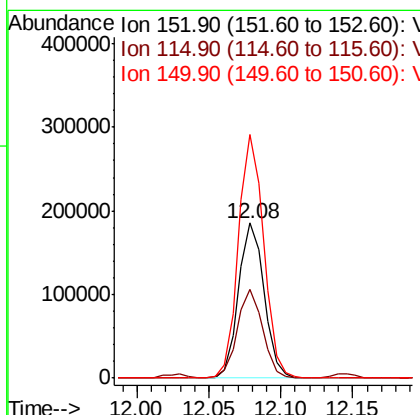
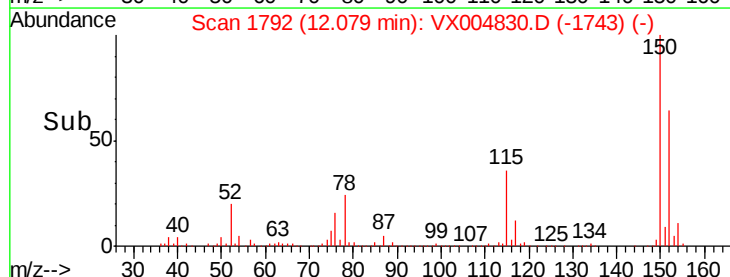
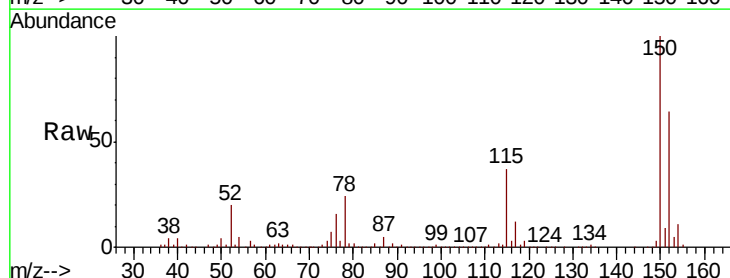
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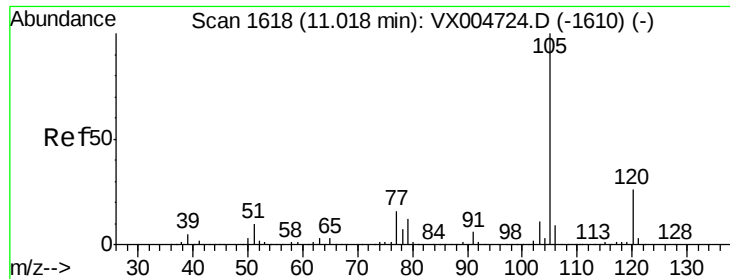
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion:152 Resp: 229930
Ion Ratio Lower Upper
152 100
115 57.0 39.0 117.0
150 155.2 0.0 351.0





#73

Isopropylbenzene

Concen: 10.298 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampleId :

FA18-JBW-7333

Tot Ion: 105 Resp: 149250

Ion Ratio Lower Upper

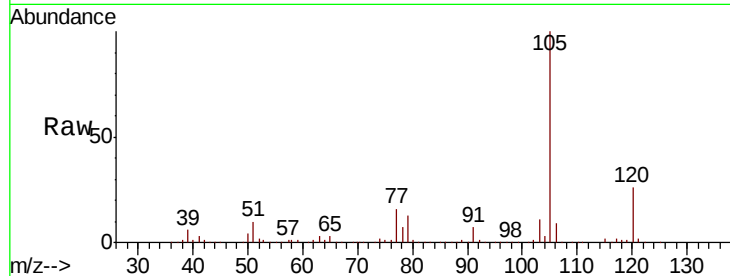
105 100

120 26.6 13.5 40.4

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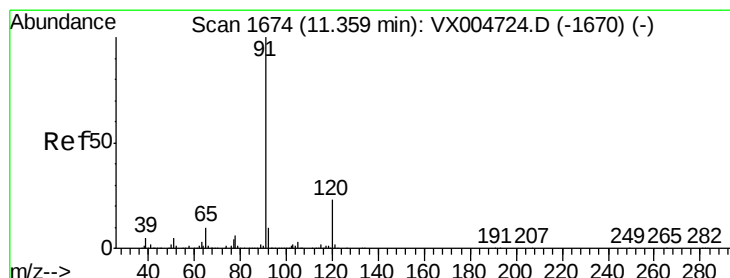
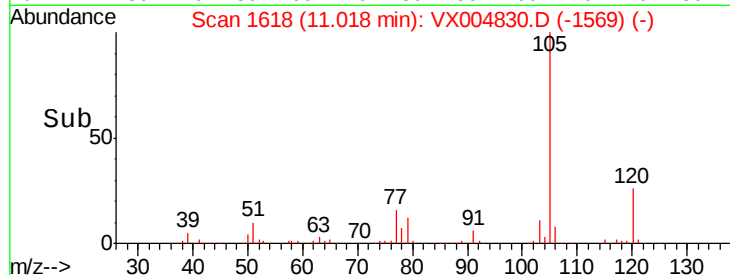
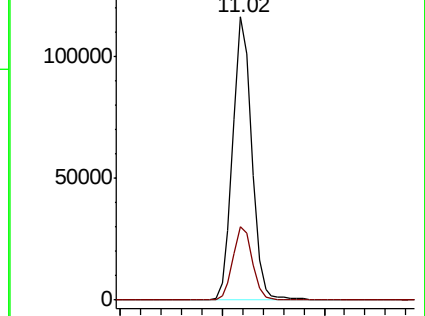
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 12.109 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX004830.D

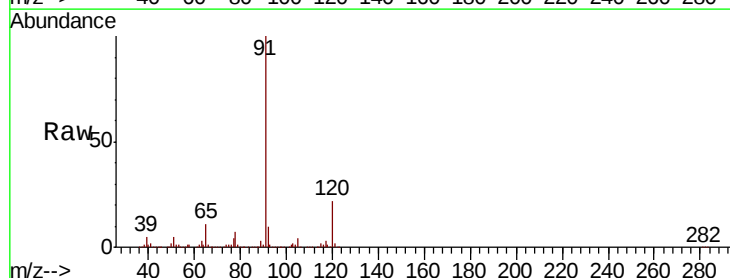
Acq: 28 Sep 2018 19:12

Tgt Ion: 91 Resp: 201358

Ion Ratio Lower Upper

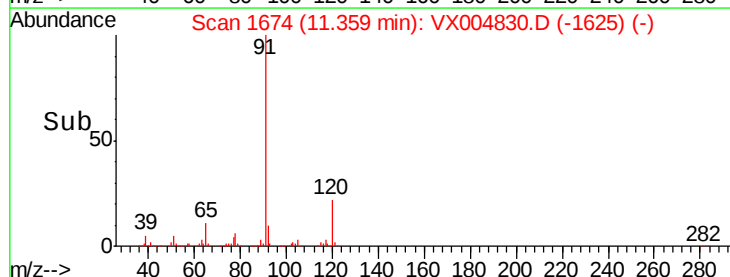
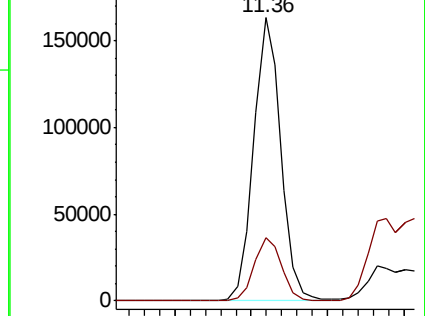
91 100

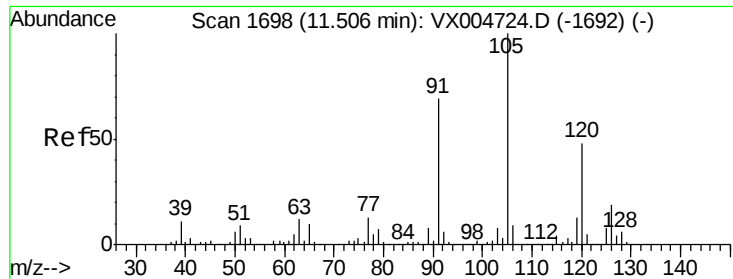
120 22.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





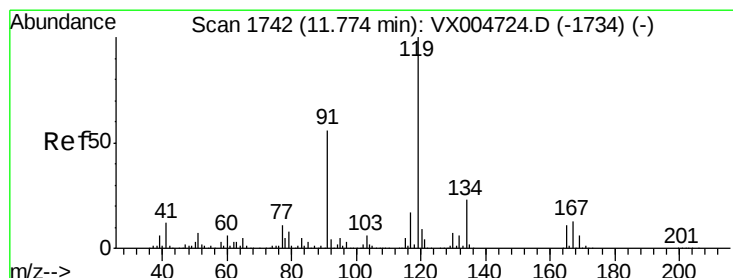
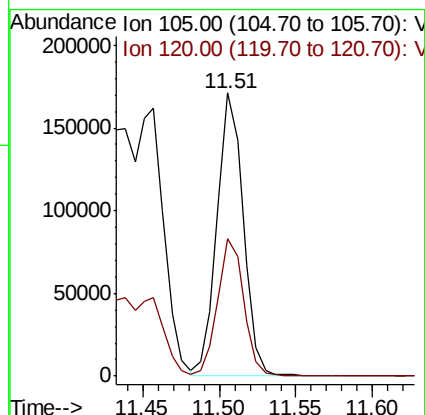
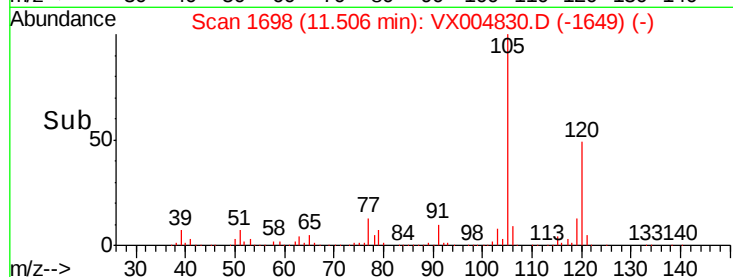
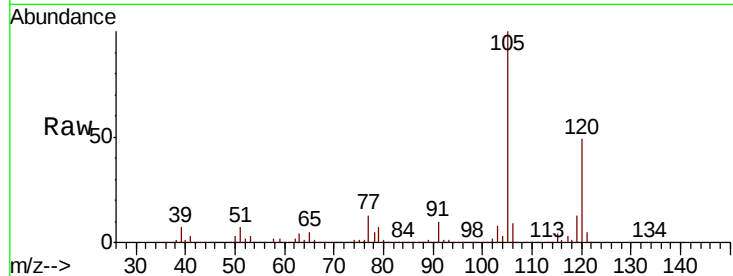
#80
 1,3,5-Trimethylbenzene
 Concen: 15.278 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 FA18-JBW-7333

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.5	25.6	76.8

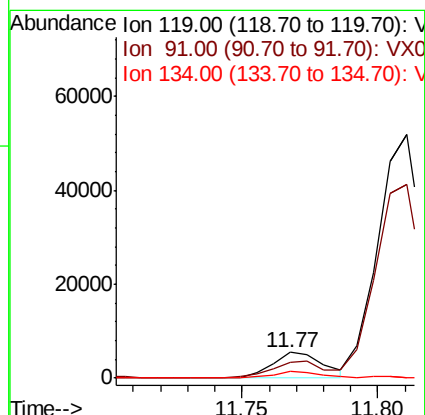
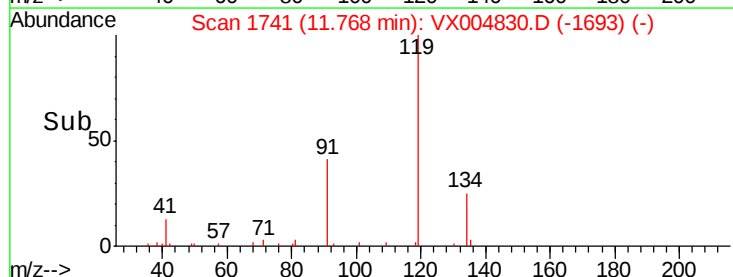
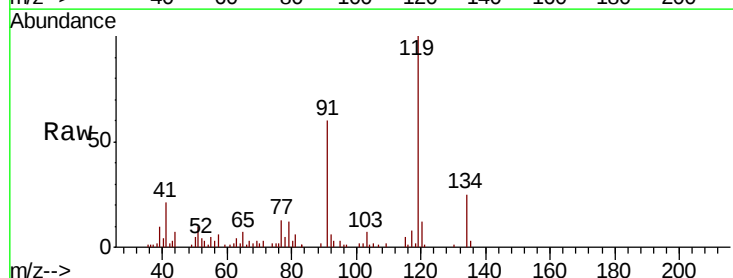
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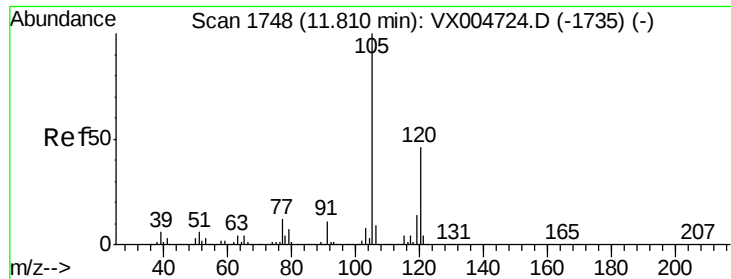
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#83
 tert-Butylbenzene
 Concen: 0.599 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.01 min
 Lab File: VX004830.D
 Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Lower	Upper
119	100		
91	66.9	27.0	81.0
134	23.8	11.7	35.1





#84

1,2,4-Trimethylbenzene

Concen: 36.580 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

Lab File: VX004830.D

Acq: 28 Sep 2018 19:12

Instrument :

MSVOA_X

ClientSampled :

FA18-JBW-7333

Tot Ion:105 Resp: 501815

Ion Ratio Lower Upper

105 100

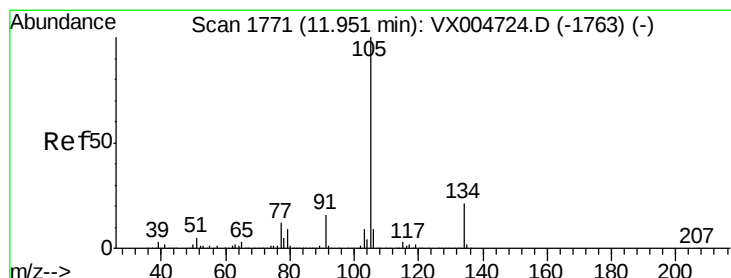
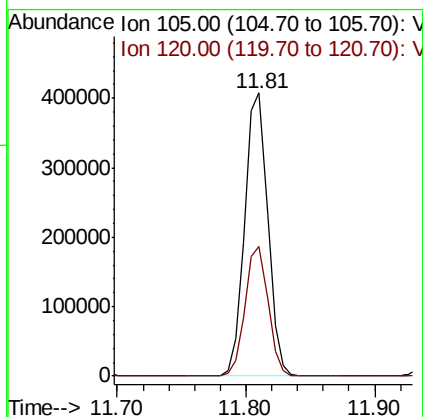
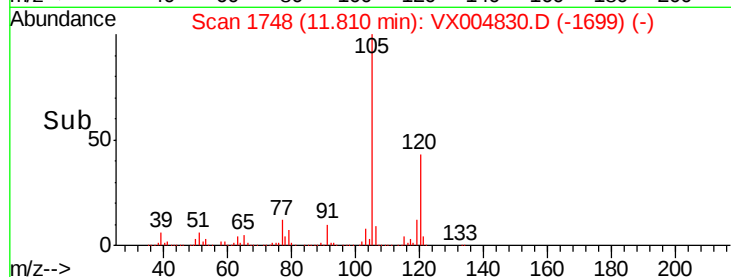
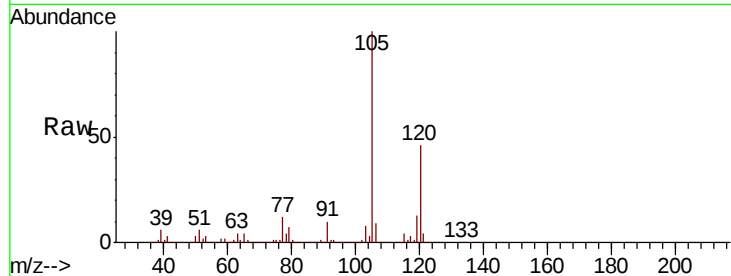
120 46.1 23.2 69.6

Manual Integrations

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#85

sec-Butylbenzene

Concen: 4.664 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004830.D

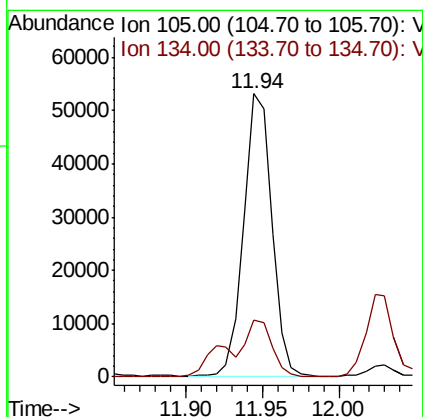
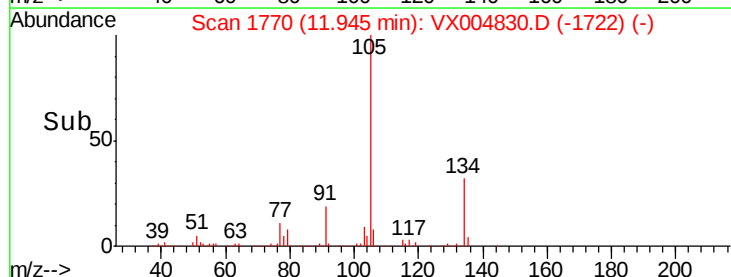
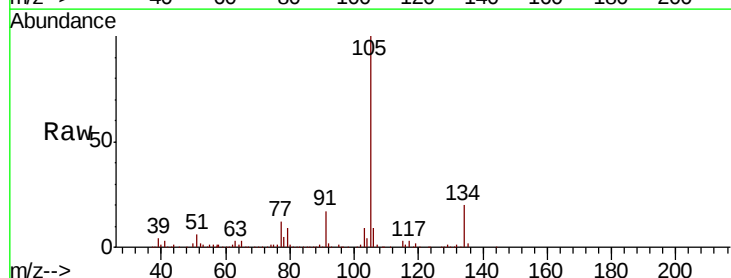
Acq: 28 Sep 2018 19:12

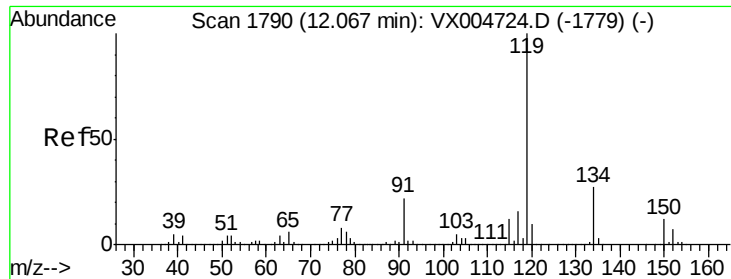
Tgt Ion:105 Resp: 67790

Ion Ratio Lower Upper

105 100

134 19.0 10.5 31.5





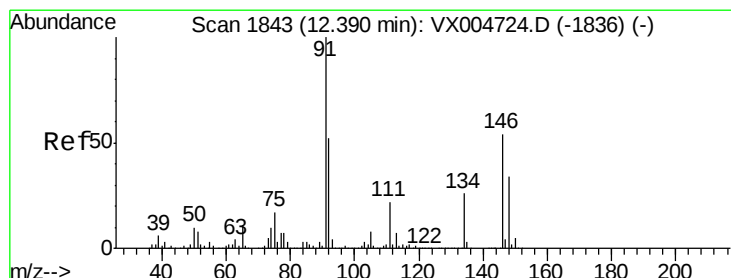
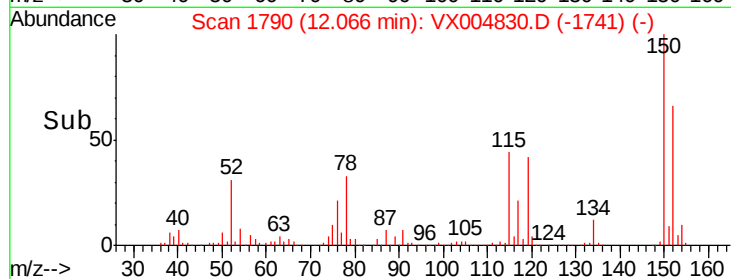
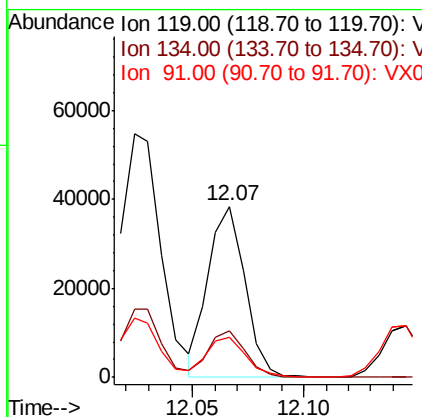
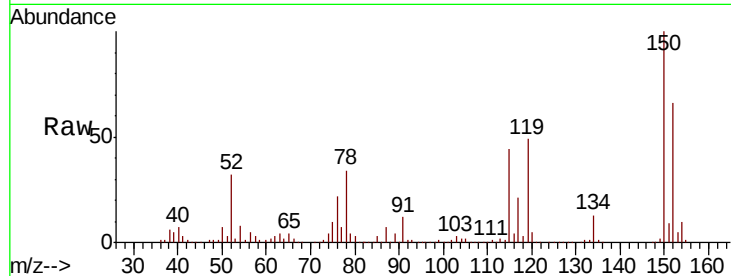
#86
p-Isopropyltoluene
Concen: 3.333 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

Tot Ion	Ratio	Resp	Lower	Upper
119	100	43892		
134	27.5	13.4	40.2	
91	25.0	10.9	32.7	

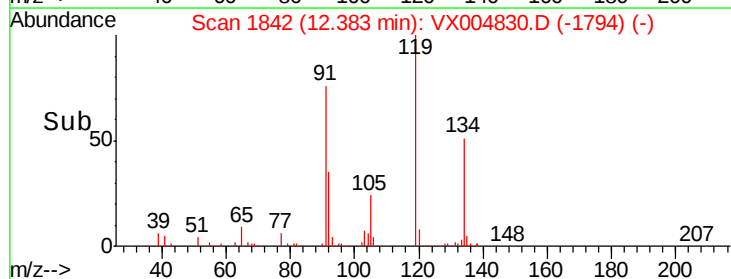
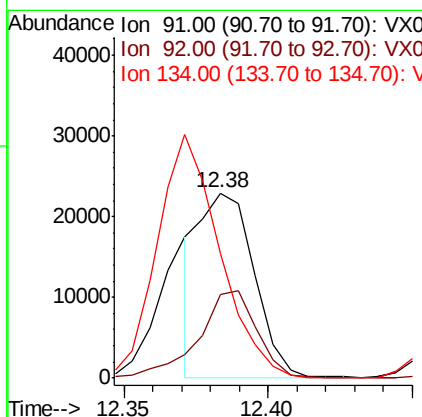
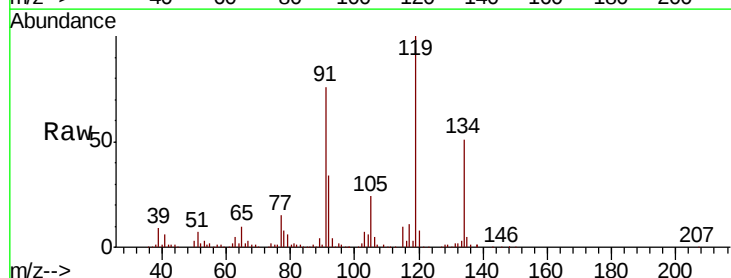
Manual Integrations
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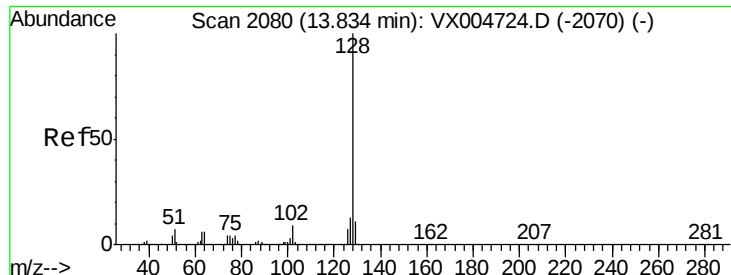
MMDadoda
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#89
n-Butylbenzene
Concen: 2.533 ug/l m
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	30290		
92	50.9	27.3	81.9	
134	148.3	13.6	40.7#	





#95
Naphthalene
Concen: 3.615 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004830.D
Acq: 28 Sep 2018 19:12

Instrument :
MSVOA_X
ClientSampleId :
FA18-JBW-7333

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.3	10.2	15.2
129	12.3	8.6	12.8

Manual Integrations
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10/1/2018 1:31:28 PM

