

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101618\
 Data File : VX005363.D
 Acq On : 16 Oct 2018 11:53
 Operator : JC/MD
 Sample : J5521-08DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03DL

Manual Integrations
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MMDadoda
 10/17/2018 9:34:41 AM

Quant Time: Oct 17 05:57:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	432866	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	389517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	205723	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	165865	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	5.50	113	135155	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
50) Toluene-d8	8.71	98	526822	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	11.14	95	182388	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	2806	1.389	ug/l	94
31) Cyclohexane	5.59	56	16678m	3.472	ug/l	
39) Methylcyclohexane	7.46	83	27058	5.964	ug/l	92
40) Benzene	6.14	78	10486	0.834	ug/l	98
52) Toluene	8.79	92	11359	1.651	ug/l	95
67) Ethyl Benzene	10.25	91	57315	4.255	ug/l	99
68) m/p-Xylenes	10.36	106	45063	8.620	ug/l	97
69) o-Xylene	10.70	106	9874	1.958	ug/l	95
73) Isopropylbenzene	11.02	105	20505	1.677	ug/l	97
78) n-propylbenzene	11.36	91	111277	7.907	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	115782	11.056	ug/l	98
82) 4-Chlorotoluene	11.51	91	12715m	1.244	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	376994	34.980	ug/l	99
85) sec-Butylbenzene	11.94	105	9216m	0.734	ug/l	
86) p-Isopropyltoluene	12.06	119	3555	0.313	ug/l #	83
95) Naphthalene	13.83	128	33625	2.370	ug/l	97

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

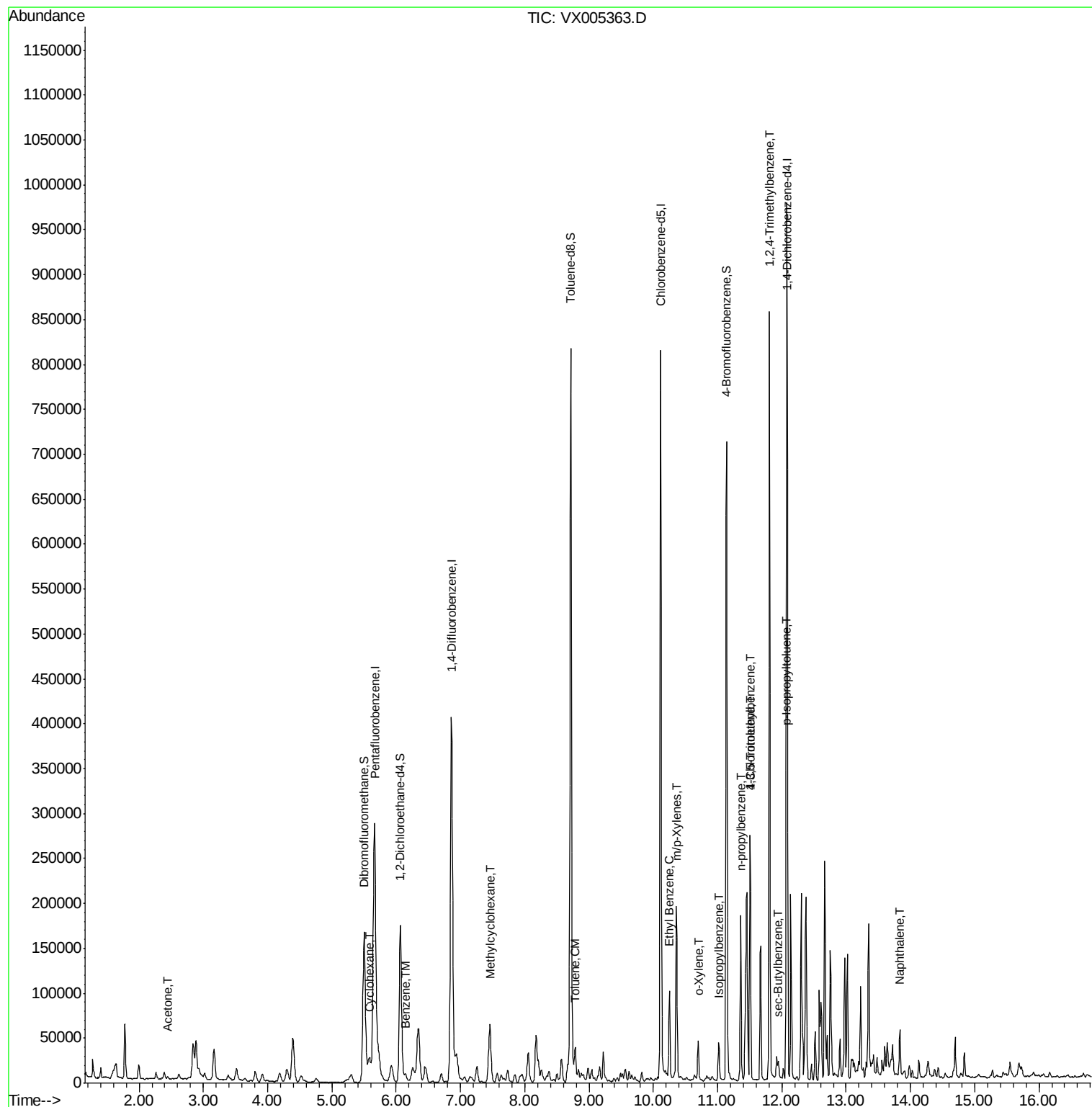
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101618\
Data File : VX005363.D
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Quant Time: Oct 17 05:57:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005363.D

Acq: 16 Oct 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

TWP-03DL

Tot Ion:168 Resp: 314902

Ion Ratio Lower Upper

168 100

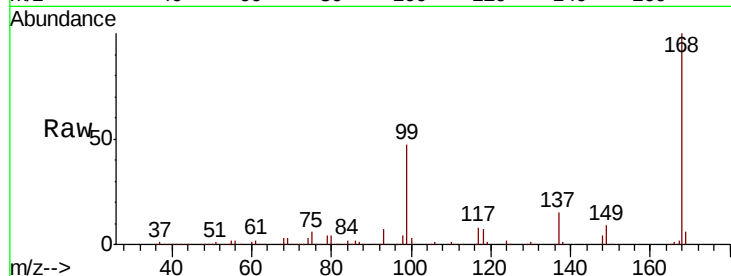
99 47.5 39.9 59.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

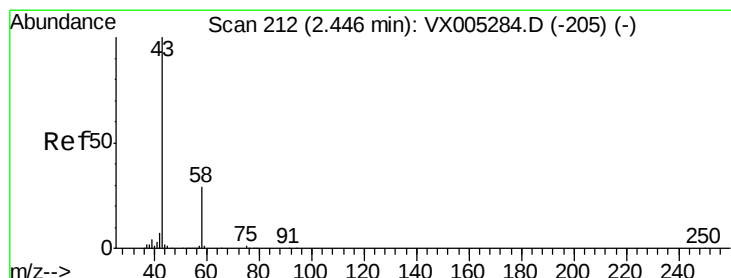
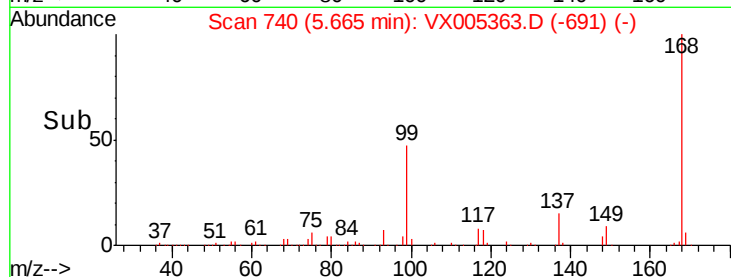
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 1.389 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005363.D

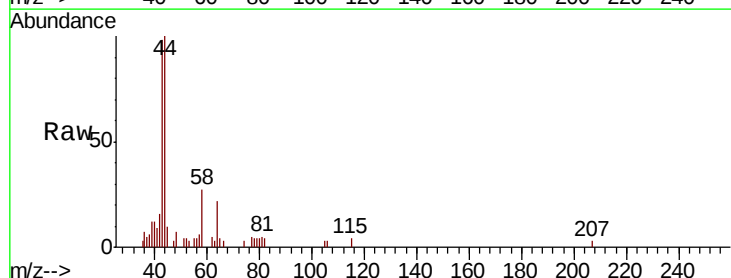
Acq: 16 Oct 2018 11:53

Tgt Ion: 43 Resp: 2806

Ion Ratio Lower Upper

43 100

58 29.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2000

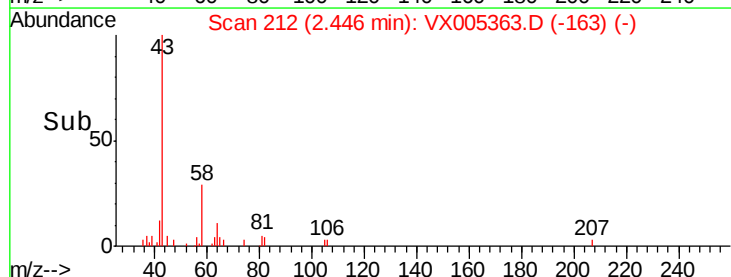
1500

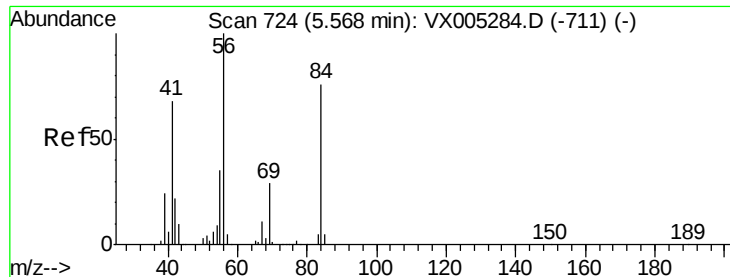
1000

500

0

Time--> 2.40 2.45 2.50





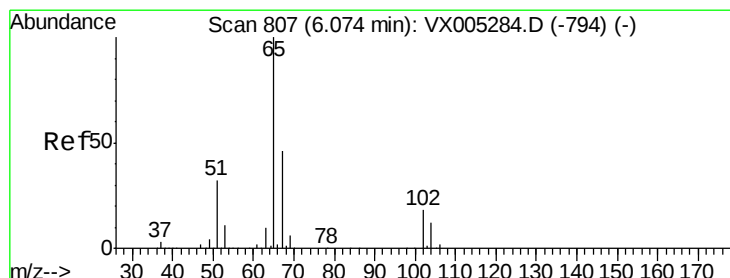
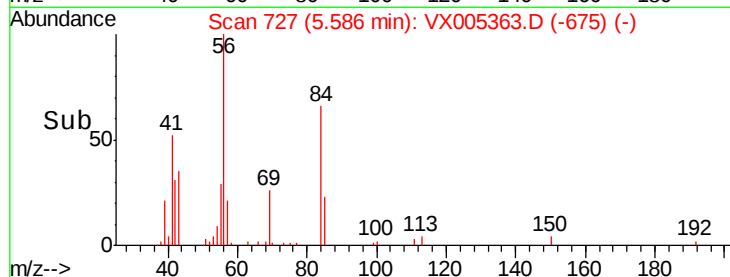
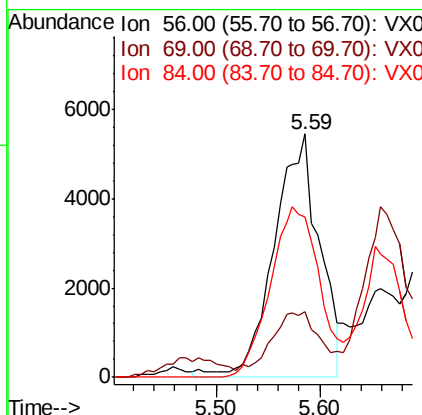
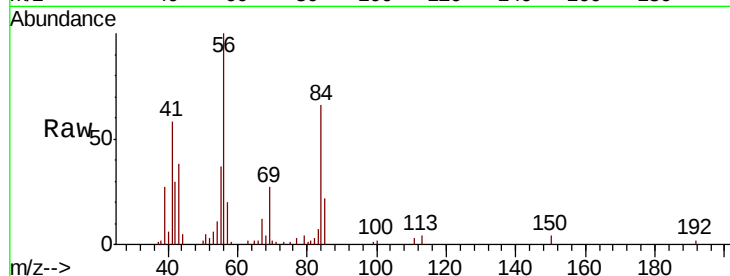
#31
Cyclohexane
Concen: 3.472 ug/l m
RT: 5.59 min Scan# 727
Delta R.T. 0.02 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.0	25.4	38.2
84	65.8	71.4	107.2#

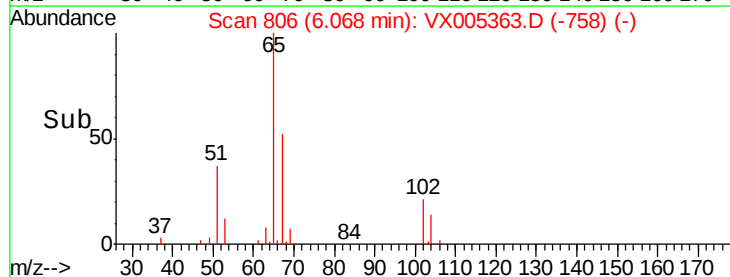
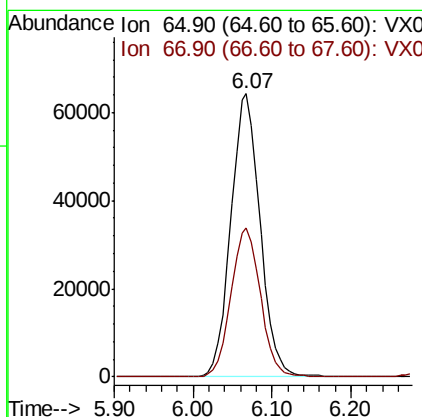
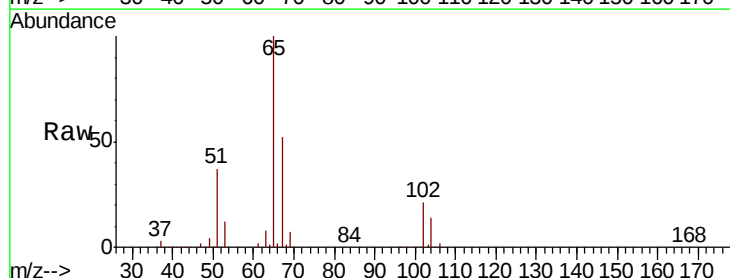
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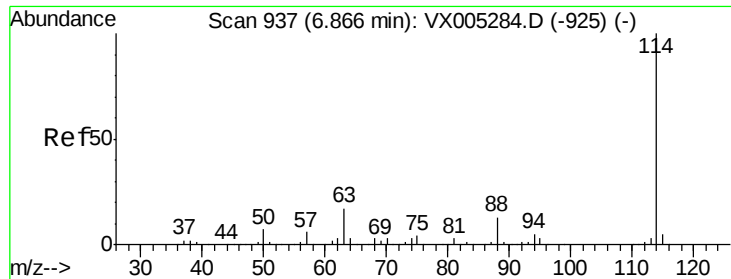
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#33
1,2-Dichloroethane-d4
Concen: 47.459 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.01 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8





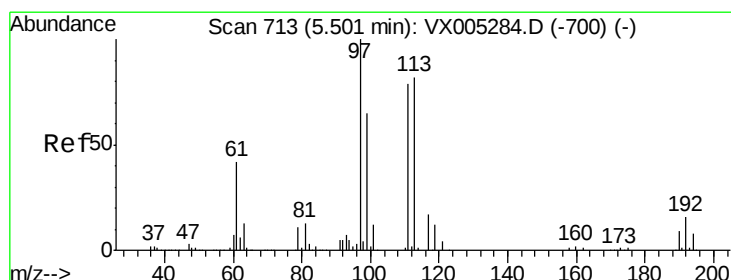
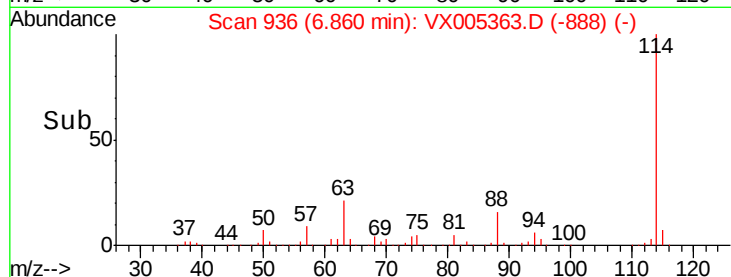
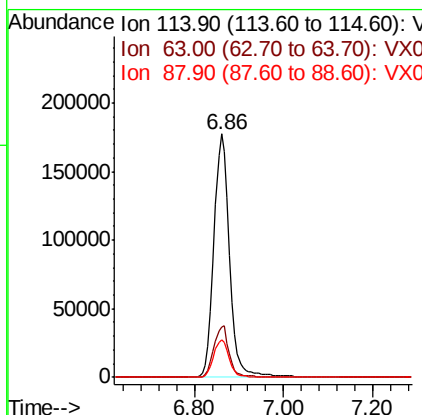
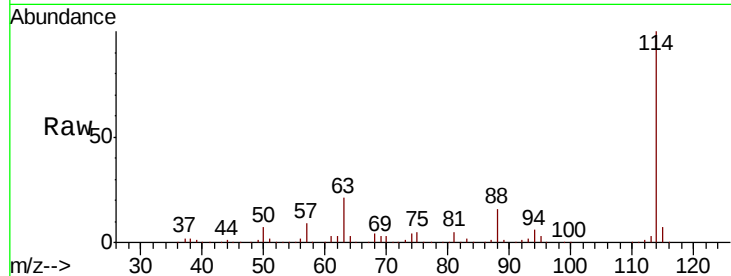
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005363.D
 Acq: 16 Oct 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03DL

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.5	0.0	39.0
88	15.6	0.0	30.4

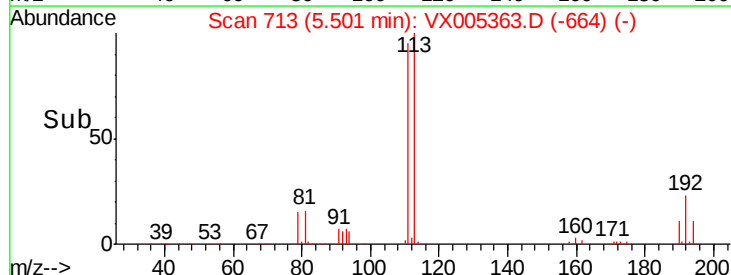
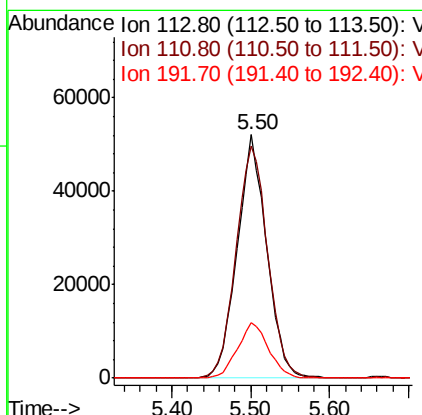
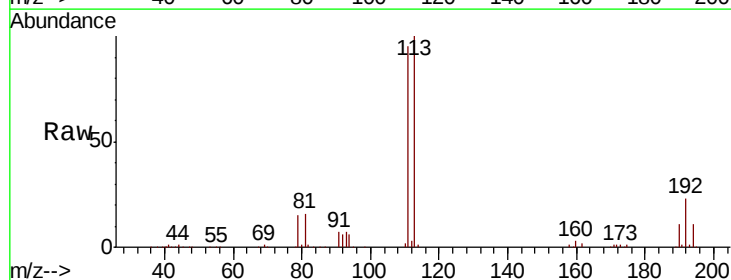
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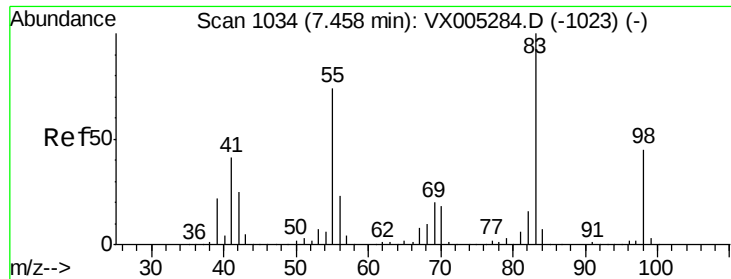
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#35
 Dibromofluoromethane
 Concen: 47.142 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX005363.D
 Acq: 16 Oct 2018 11:53

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.5	82.4	123.6
192	24.0	19.4	29.2





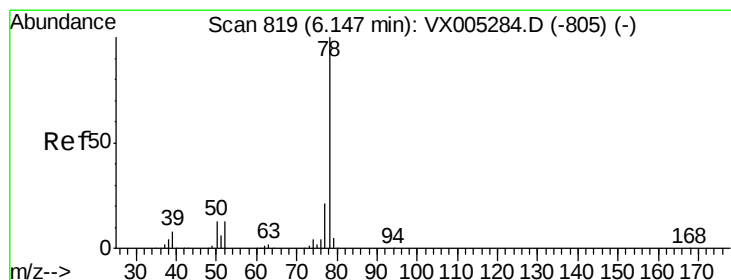
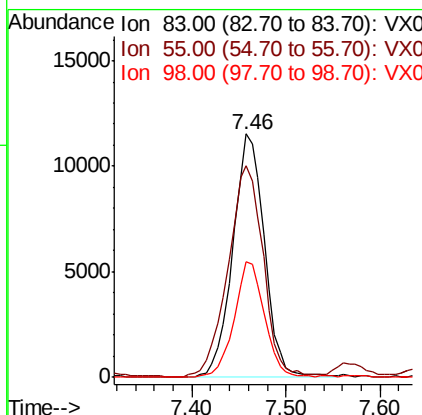
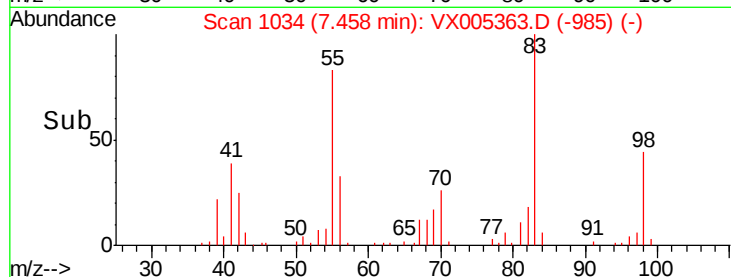
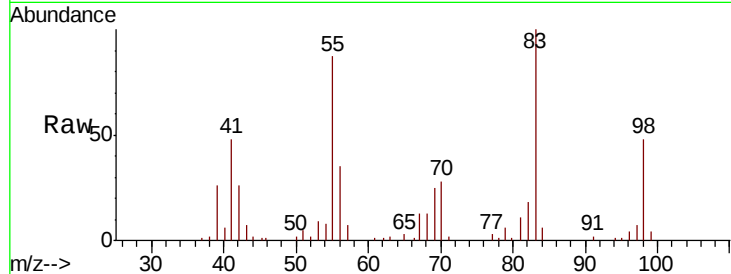
#39
Methvlcvclohexane
Concen: 5.964 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	61.0	91.4
98	47.6	39.6	59.4

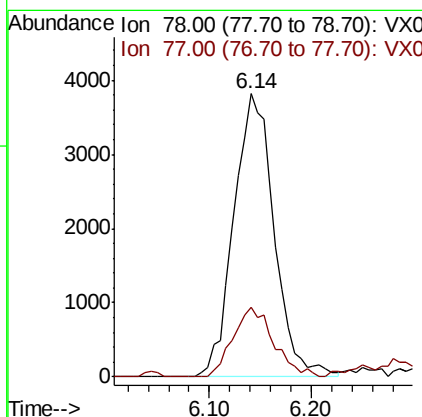
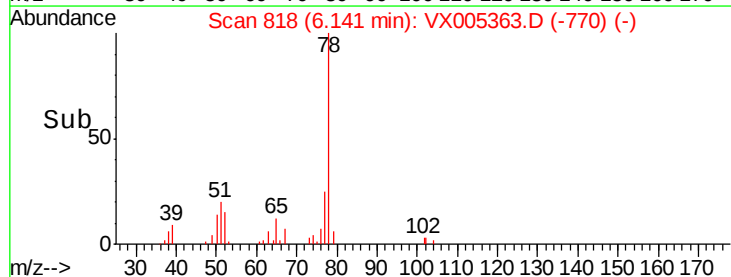
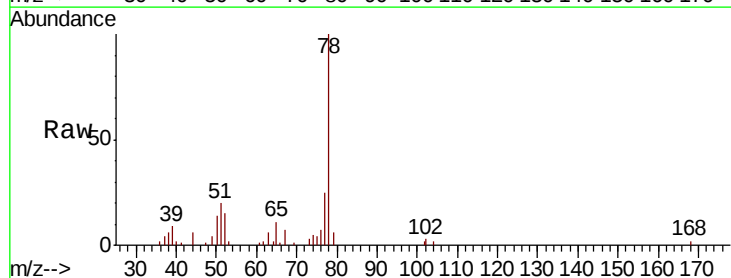
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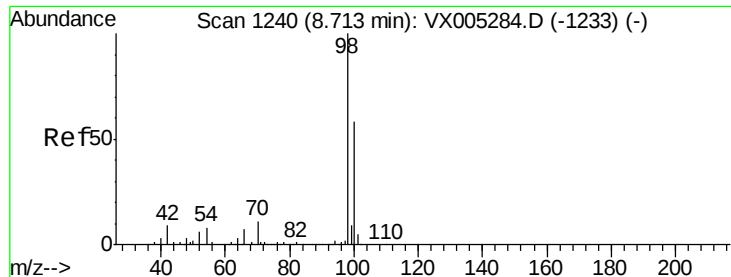
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#40
Benzene
Concen: 0.834 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.0	28.4





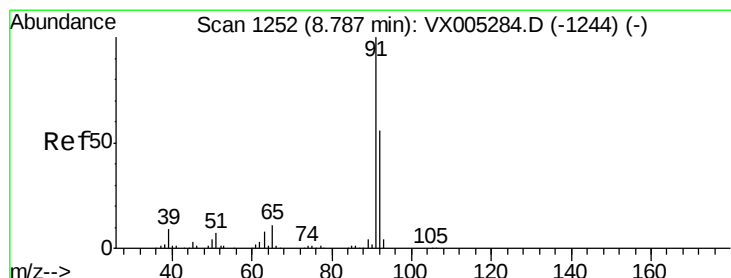
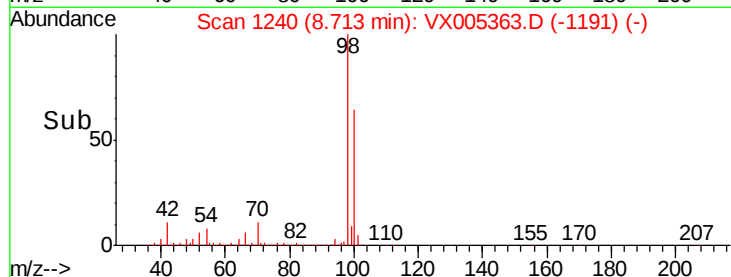
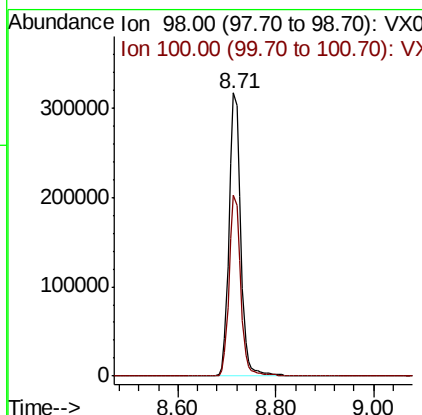
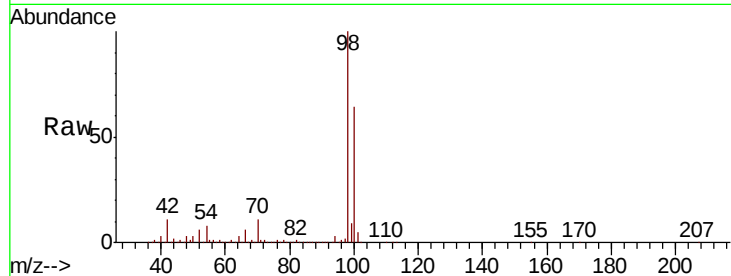
#50
Toluene-d8
Concen: 53.525 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion	Ratio	Lower	Upper
98	100		
100	63.4	52.9	79.3

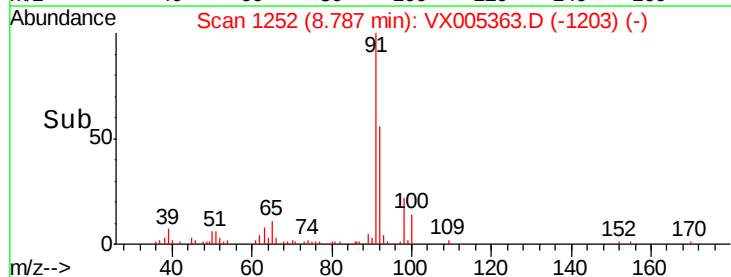
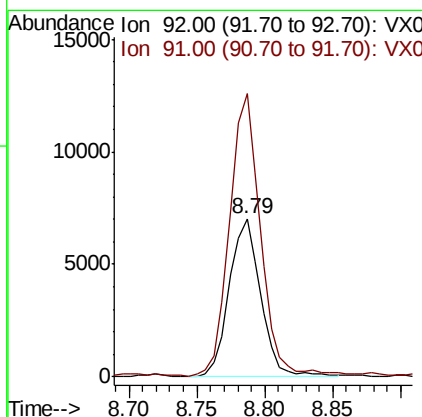
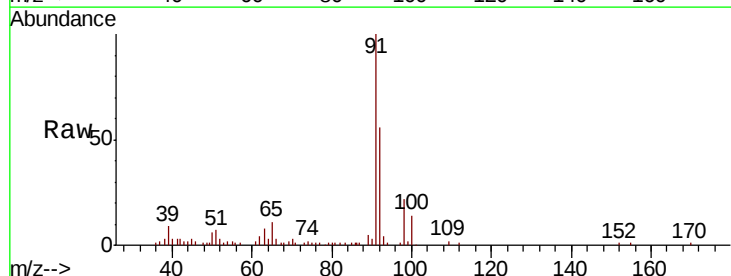
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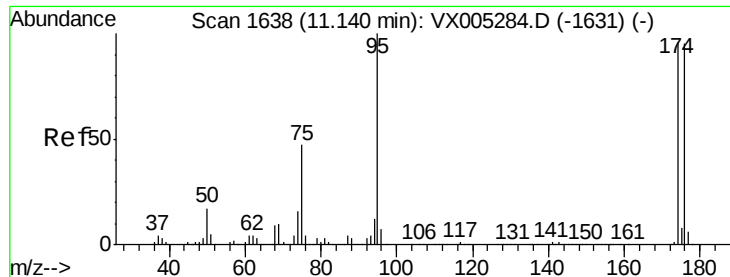
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#52
Toluene
Concen: 1.651 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.8	136.4	204.6





#62

4-Bromofluorobenzene

Concen: 49.328 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005363.D

Acq: 16 Oct 2018 11:53

Instrument :

MSVOA_X

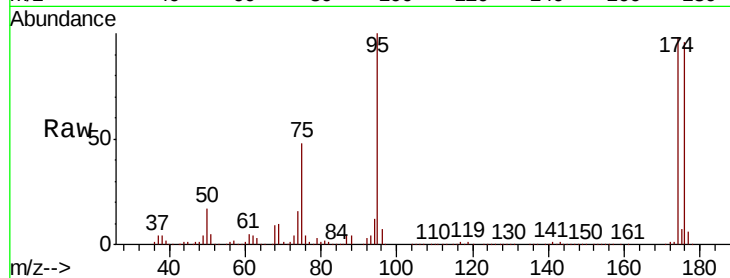
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TWP-03DL

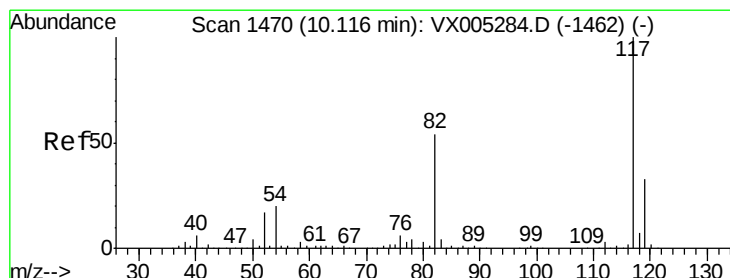
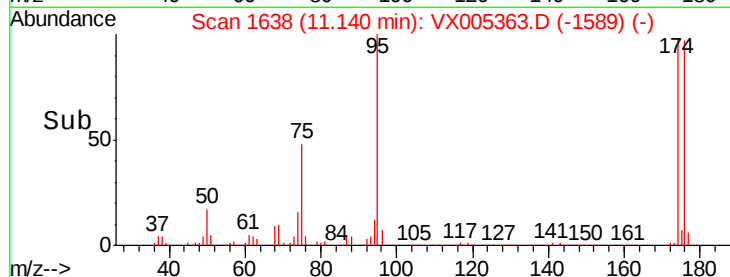
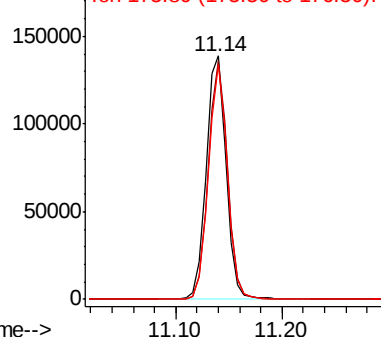
Tot Ion:	95	Resp:	182388
Ion Ratio	Lower	Upper	
95	100		
174	94.9	0.0	185.2
176	91.9	0.0	178.6

Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VX005284.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

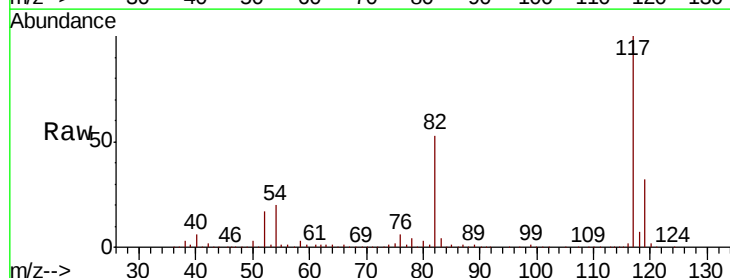
RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

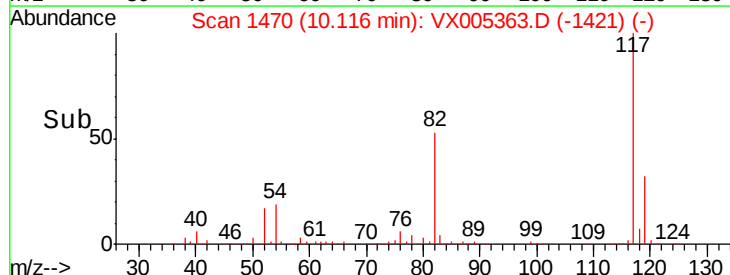
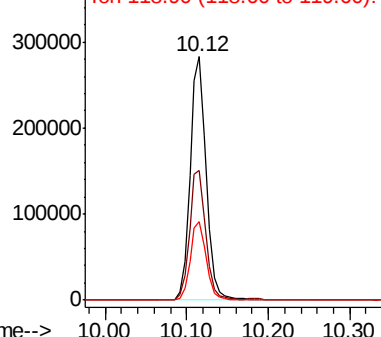
Lab File: VX005363.D

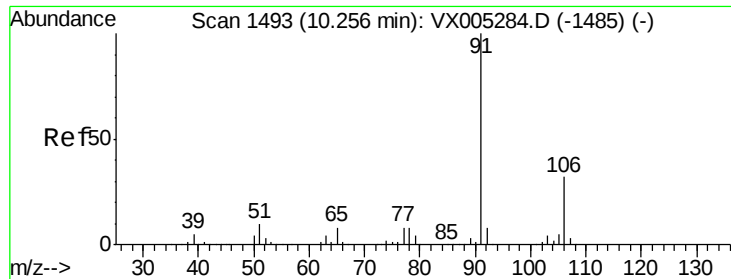
Acq: 16 Oct 2018 11:53

Tgt Ion:	117	Resp:	389517
Ion Ratio	Lower	Upper	
117	100		
82	53.0	47.8	71.6
119	32.3	29.3	43.9



Abundance Ion 116.90 (116.60 to 117.60): VX005284.D (-1462) (-)





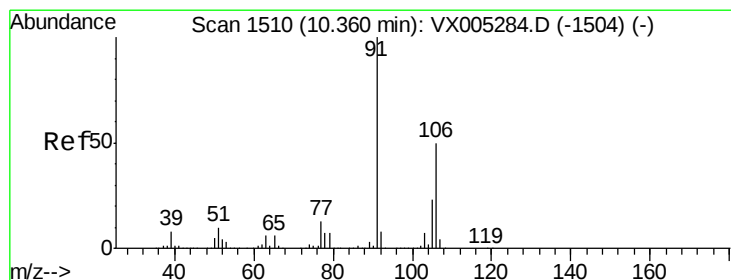
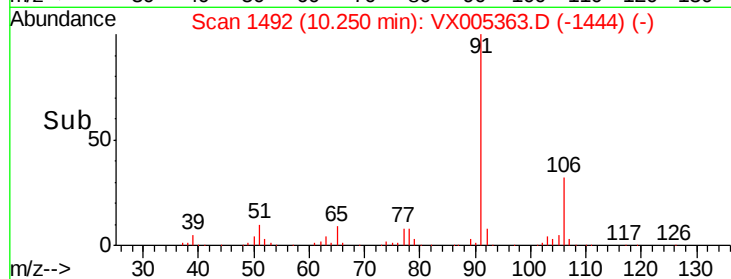
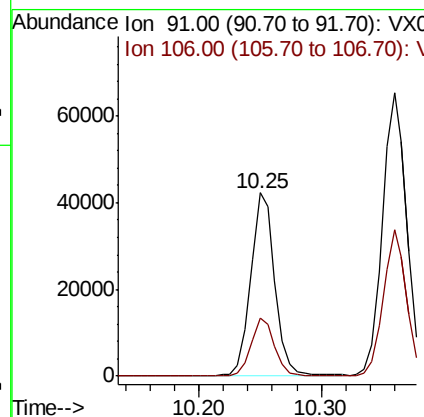
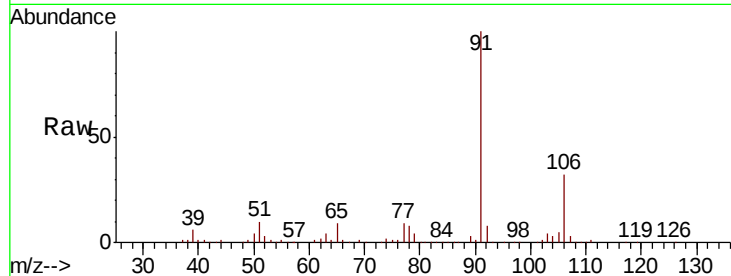
#67
Ethyl Benzene
Concen: 4.255 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion: 91 Resp: 57315
Ion Ratio Lower Upper
91 100
106 32.1 25.9 38.9

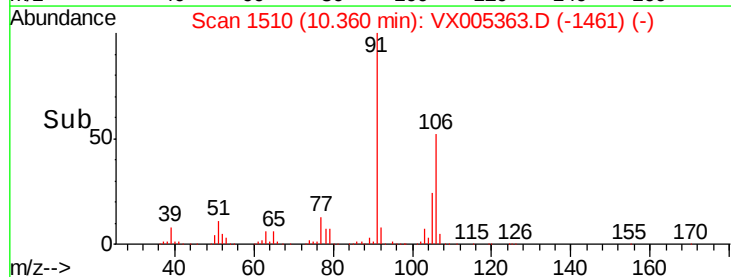
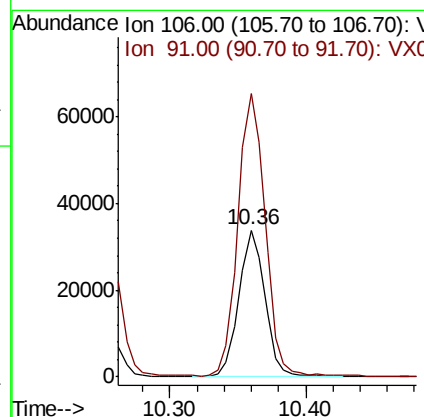
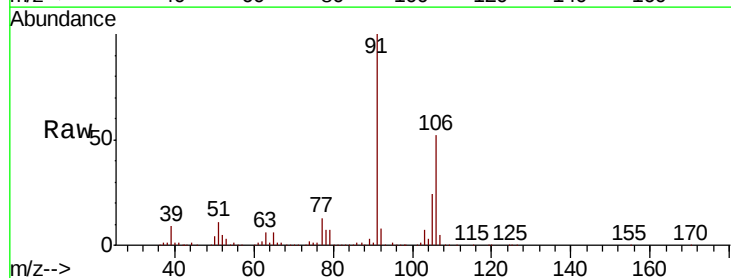
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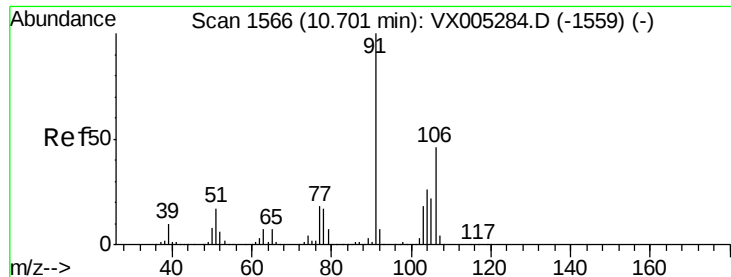
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#68
m/p-Xylenes
Concen: 8.620 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Tgt Ion: 106 Resp: 45063
Ion Ratio Lower Upper
106 100
91 200.4 157.1 235.7





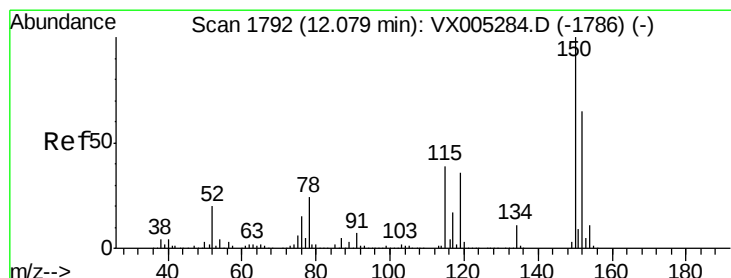
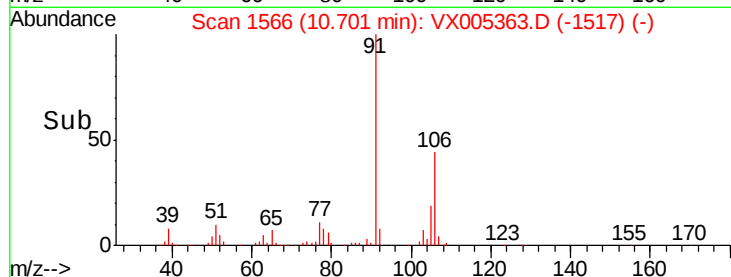
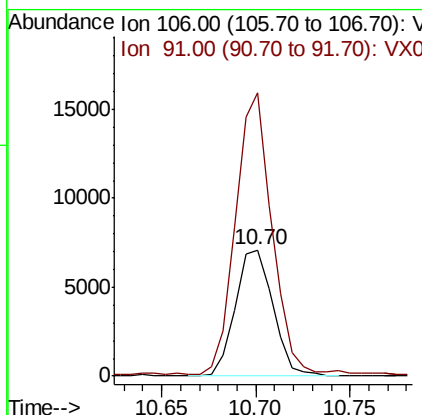
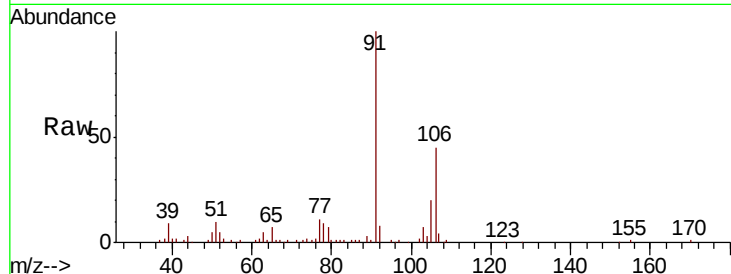
#69
o-Xylene
Concen: 1.958 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Instrument :
MSVOA_X
ClientSampleId :
TWP-03DL

Tot Ion:106 Resp: 9874
Ion Ratio Lower Upper
106 100
91 217.9 105.1 315.1

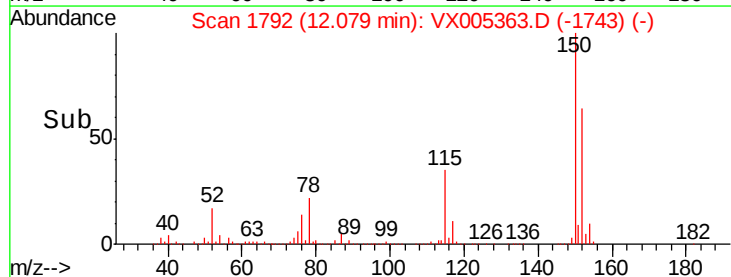
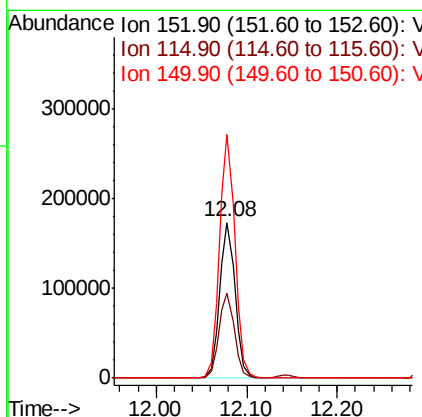
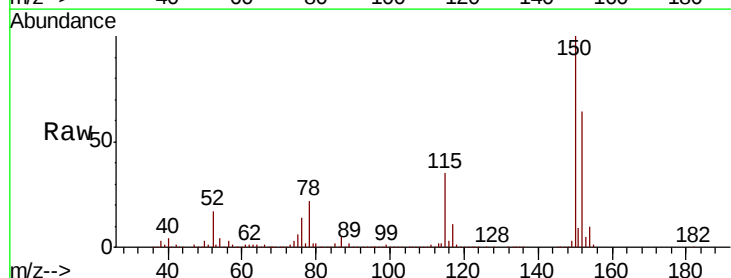
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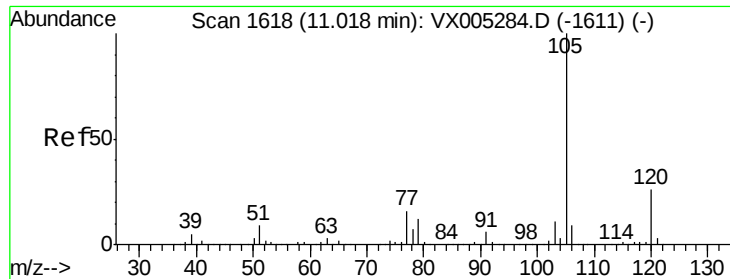
MMDadoda
10/17/2018 9:34:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005363.D
Acq: 16 Oct 2018 11:53

Tgt Ion:152 Resp: 205723
Ion Ratio Lower Upper
152 100
115 54.6 39.0 117.0
150 156.8 0.0 351.0





#73

Isopropylbenzene

Concen: 1.677 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005363.D

Acq: 16 Oct 2018 11:53

Instrument :

MSVOA_X

ClientSampleId :

TWP-03DL

Tot Ion: 105 Resp: 20505

Ion Ratio Lower Upper

105 100

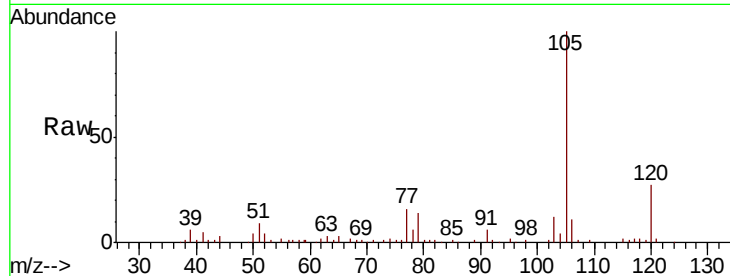
120 28.4 13.5 40.4

Manual Integrations

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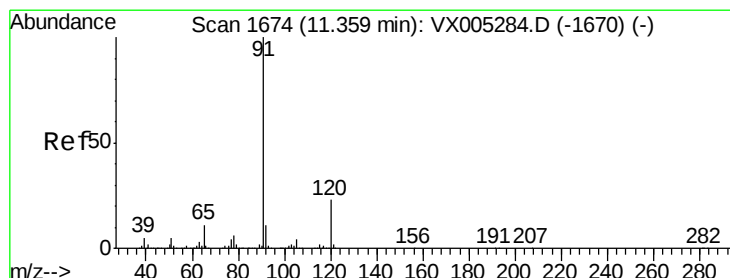
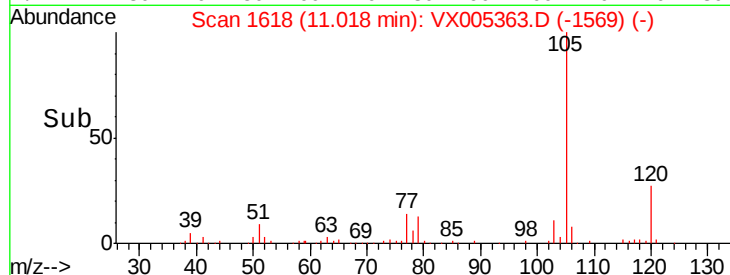
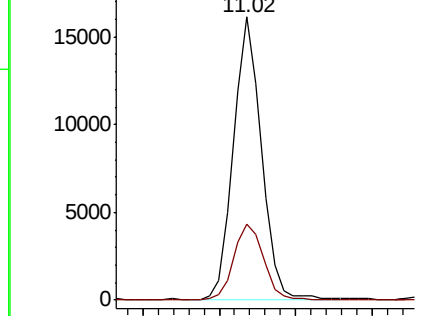
MMDadoda

10/17/2018 9:34:41 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 7.907 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005363.D

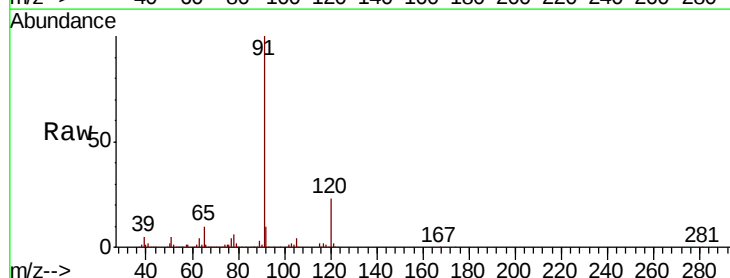
Acq: 16 Oct 2018 11:53

Tgt Ion: 91 Resp: 111277

Ion Ratio Lower Upper

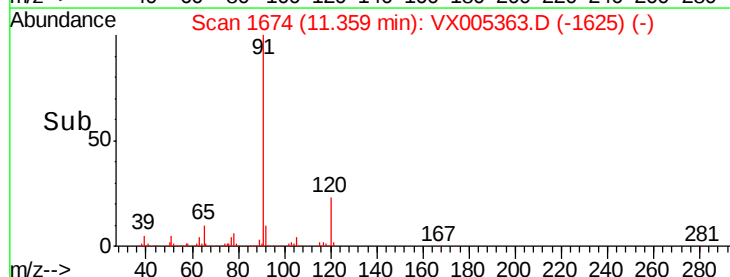
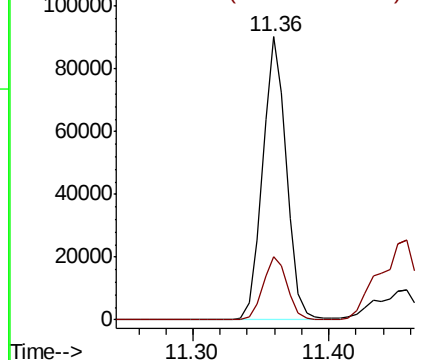
91 100

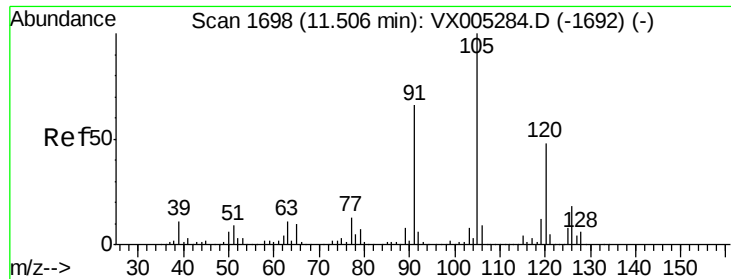
120 22.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





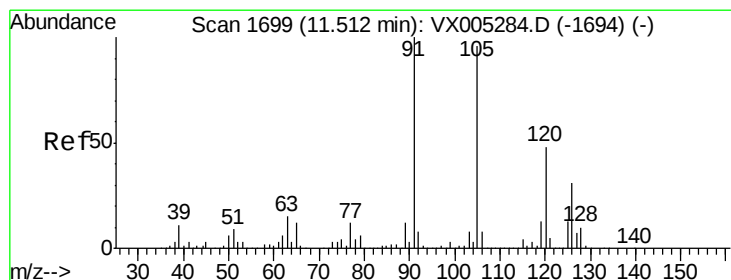
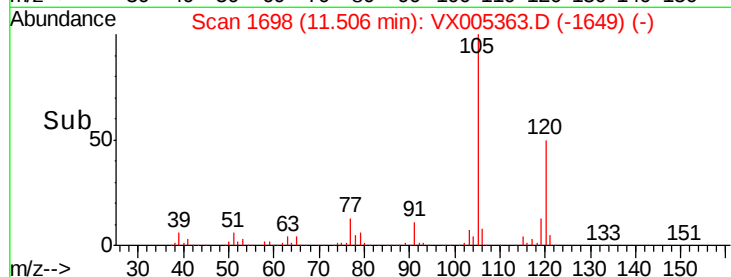
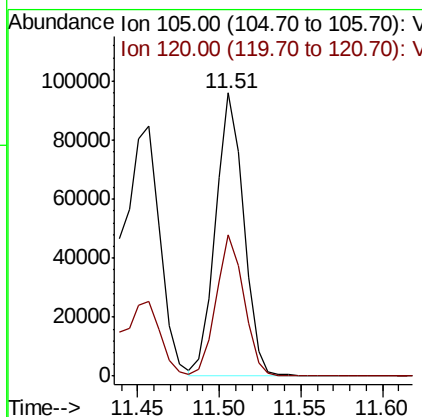
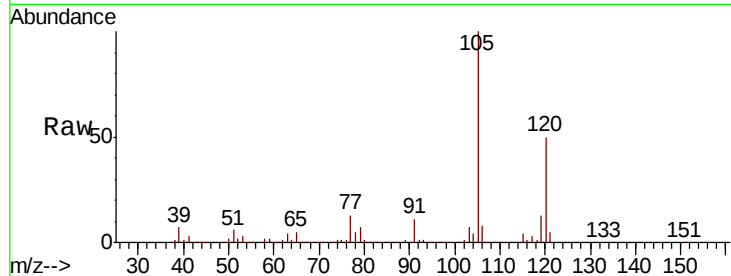
#80
 1,3,5-Trimethylbenzene
 Concen: 11.056 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005363.D
 Acq: 16 Oct 2018 11:53

Instrument :
 MSVOA_X
 ClientSampled :
 TWP-03DL

Tot Ion:105 Resp: 115782
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.6 76.8

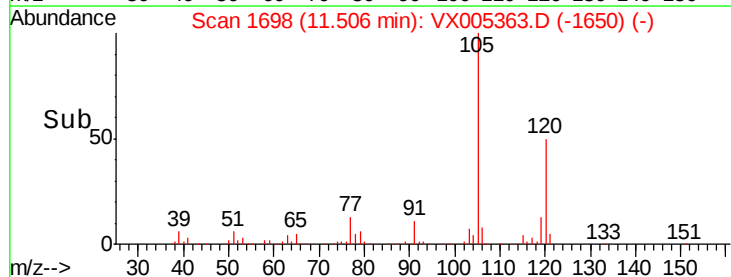
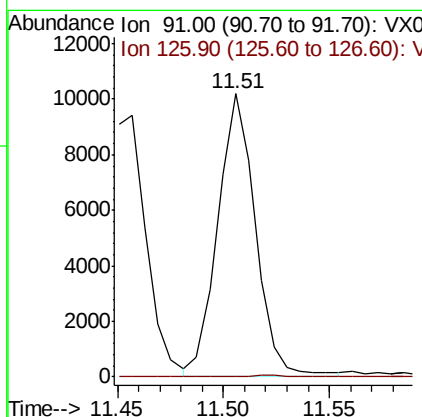
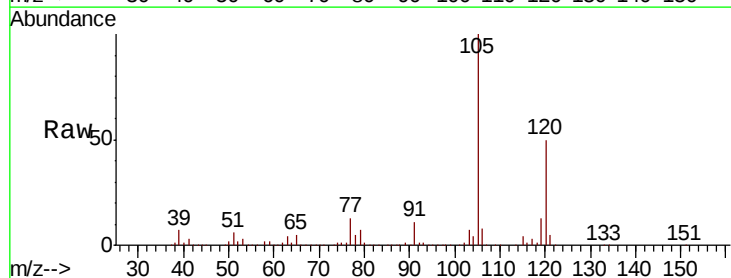
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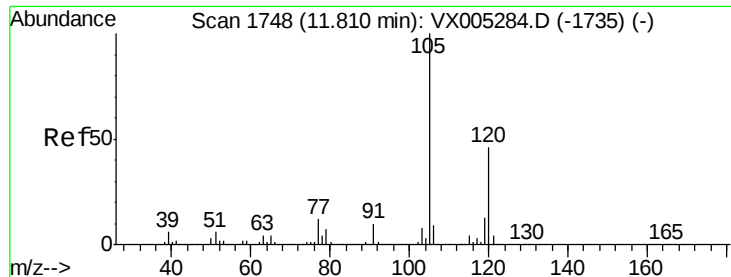
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 10/17/2018 9:34:41 AM



#82
 4-Chlorotoluene
 Concen: 1.244 ug/l m
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.01 min
 Lab File: VX005363.D
 Acq: 16 Oct 2018 11:53

Tgt Ion: 91 Resp: 12715
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.5 46.5#





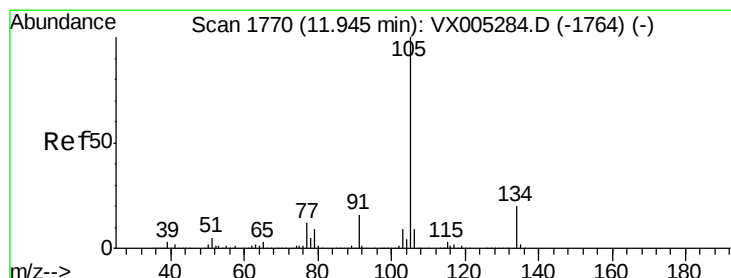
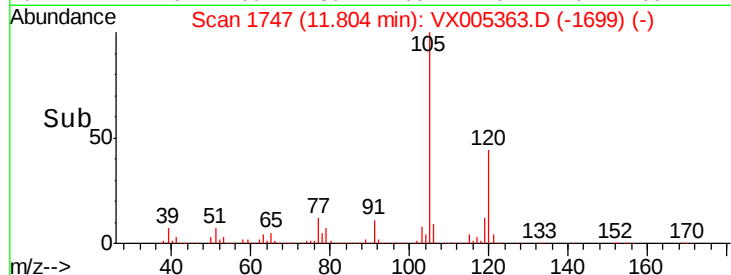
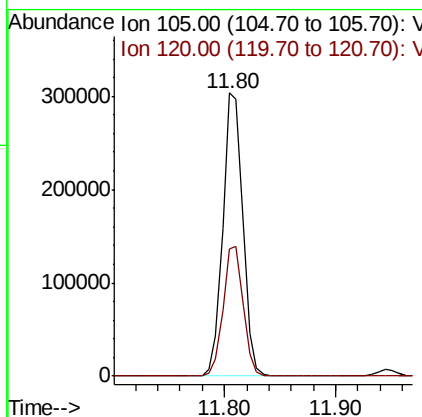
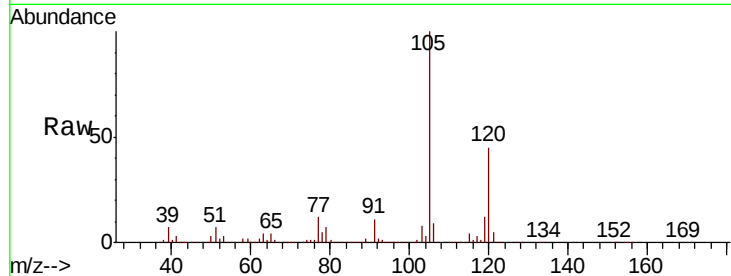
#84
 1,2,4-Trimethylbenzene
 Concen: 34.980 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.01 min
 Lab File: VX005363.D
 Acq: 16 Oct 2018 11:53

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP-03DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.2	69.6

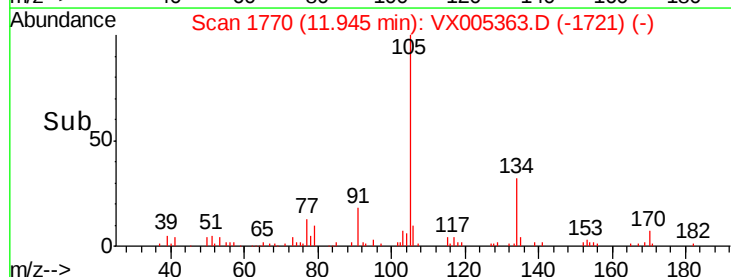
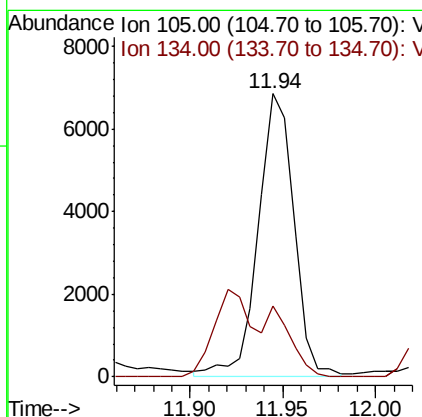
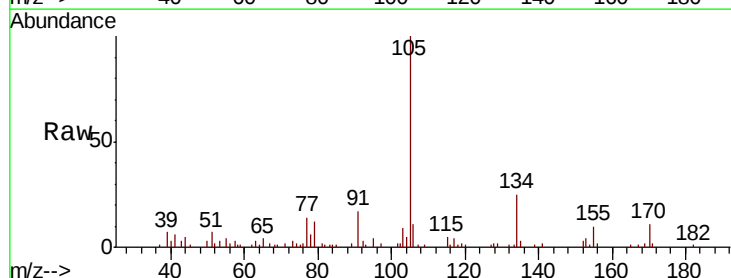
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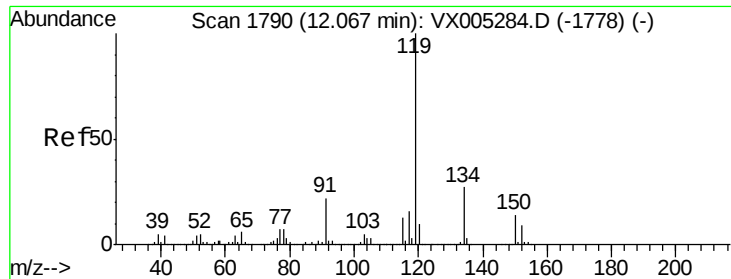
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#85
 sec-Butylbenzene
 Concen: 0.734 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005363.D
 Acq: 16 Oct 2018 11:53

Tgt Ion	Ratio	Lower	Upper
105	100		
134	4.2	10.5	31.5#





#86

p-Isopropyltoluene

Concen: 0.313 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.01 min

Lab File: VX005363.D

Acq: 16 Oct 2018 11:53

Instrument :

MSVOA_X

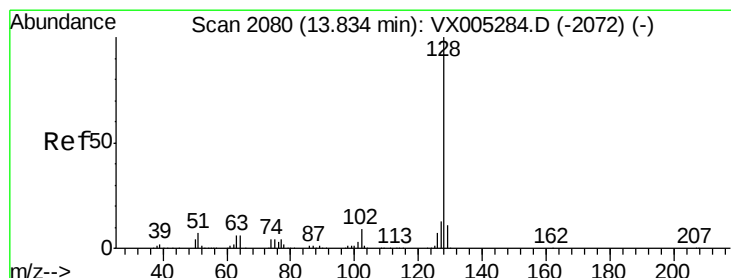
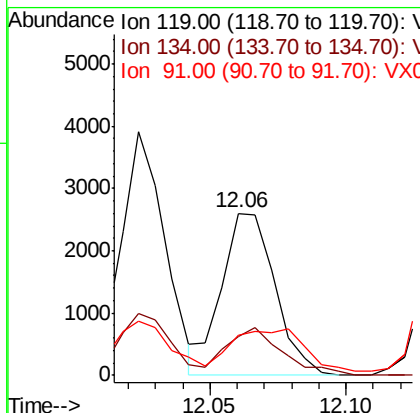
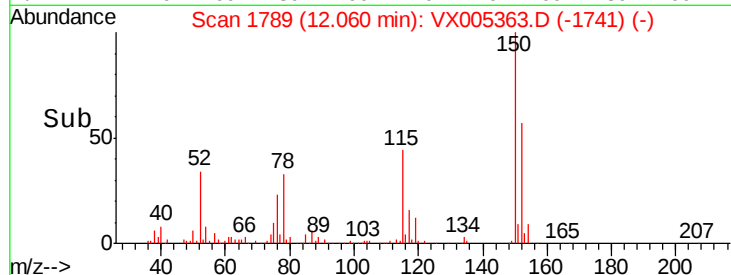
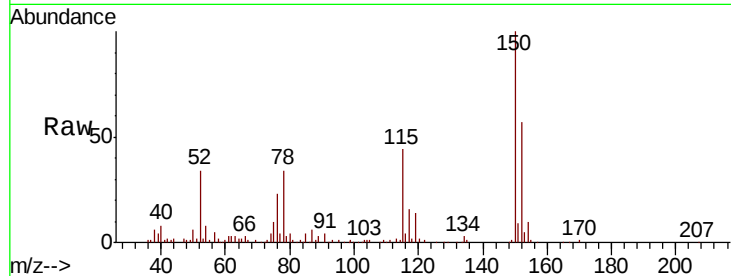
ClientSampleID :

TWP-03DL

Tot Ion:	119	Resp:	3555
Ion Ratio	Lower	Upper	
119	100		
134	30.7	13.4	40.2
91	35.2	10.9	32.7#

Manual Integrations
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#95

Naphthalene

Concen: 2.370 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005363.D

Acq: 16 Oct 2018 11:53

Tgt Ion:	128	Resp:	33625
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.2	15.2
129	11.7	8.6	12.8

