

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX004974.D
 Acq On : 03 Oct 2018 17:33
 Operator : JC/MD
 Sample : PB113446TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113446TB

Manual Integrations
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 10/5/2018 3:24:47 PM

Quant Time: Oct 04 01:58:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	289717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	457564	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	453321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	277909	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	194825	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	5.51	113	165476	42.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.34%	
50) Toluene-d8	8.72	98	657197	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.14	95	268753	57.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.74%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	76057	31.478	ug/l	91
18) Methyl Acetate	2.78	43	9966	1.628	ug/l	95
25) 2-Butanone	4.70	43	61468	17.259	ug/l	97
29) Tetrahydrofuran	5.17	42	2716	1.227	ug/l	95
39) Methylcyclohexane	7.46	83	6711	1.242	ug/l #	80
40) Benzene	6.14	78	24915	1.504	ug/l	96
43) Isopropyl Acetate	6.46	43	264290	26.072	ug/l	95
52) Toluene	8.79	92	122657	13.476	ug/l	97
67) Ethyl Benzene	10.26	91	184979	10.023	ug/l	96
68) m/p-Xylenes	10.36	106	410926	56.980	ug/l	95
69) o-Xylene	10.70	106	159991	24.153	ug/l	98
73) Isopropylbenzene	11.02	105	26344	1.504	ug/l	97
78) n-propylbenzene	11.36	91	171644	8.540	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	328350	20.334	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1249884	75.591	ug/l	100
85) sec-Butylbenzene	11.94	105	24366m	1.387	ug/l	
89) n-Butylbenzene	12.38	91	158992	11.000	ug/l #	28
95) Naphthalene	13.83	128	528656	23.260	ug/l	99

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

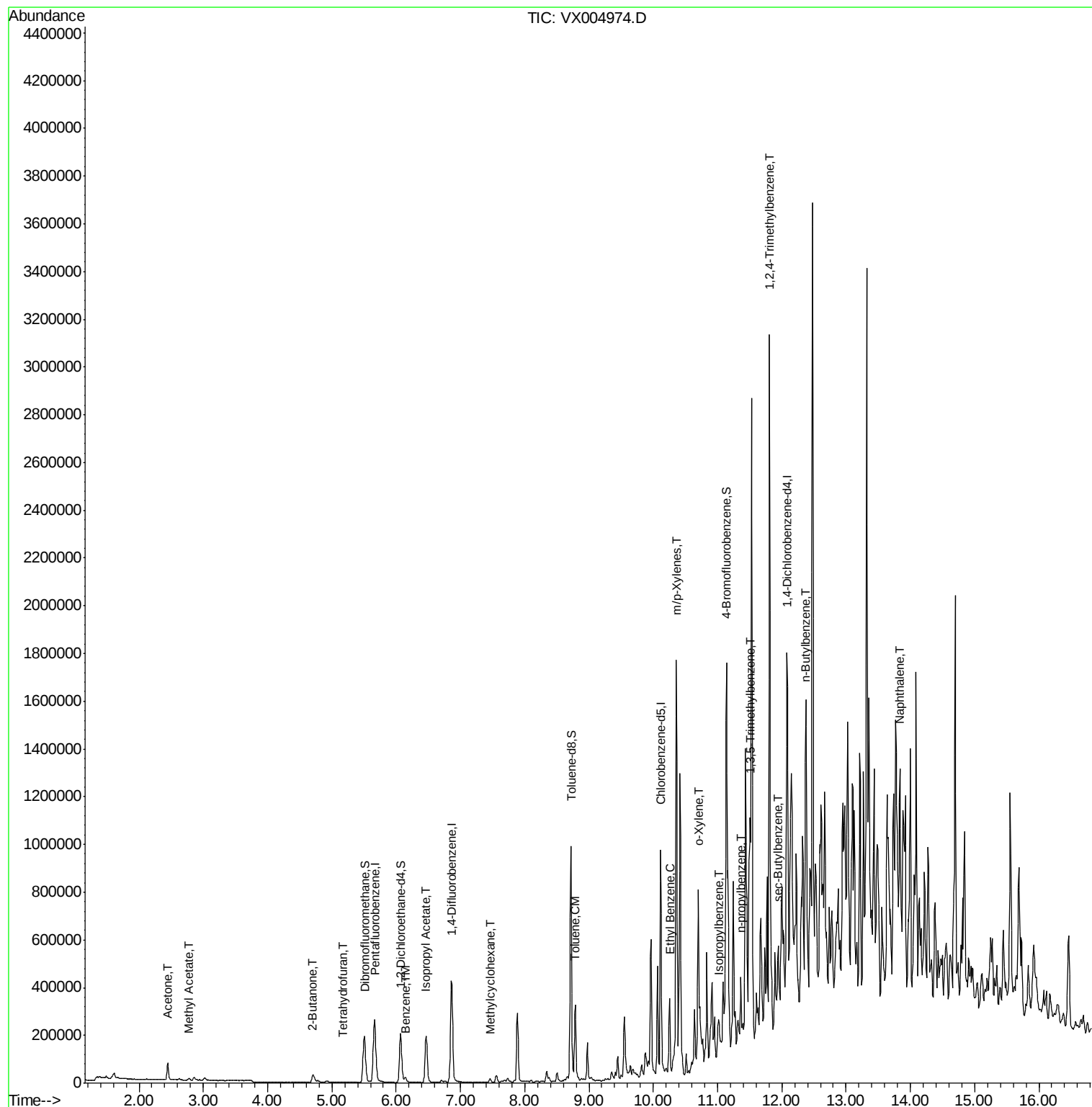
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100418\
Data File : VX004974.D
Acq On : 03 Oct 2018 17:33
Operator : JC/MD
Sample : PB113446TB
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

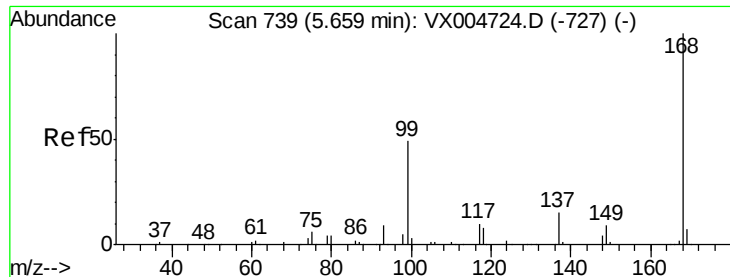
Instrument :
MSVOA_X
ClientSampleId :
PB113446TB

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Quant Time: Oct 04 01:58:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 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: VX004974.D

Acq: 03 Oct 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB113446TB

Tot Ion:168 Resp: 289717

Ion Ratio Lower Upper

168 100

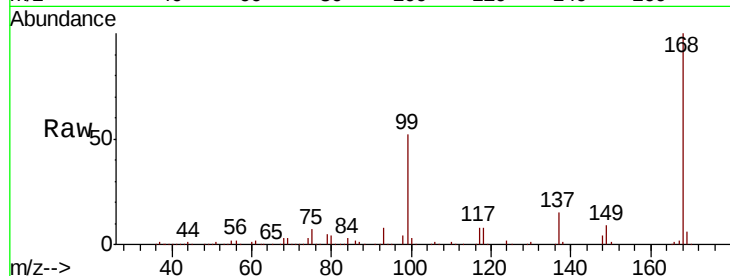
99 52.0 39.3 58.9

Manual Integrations

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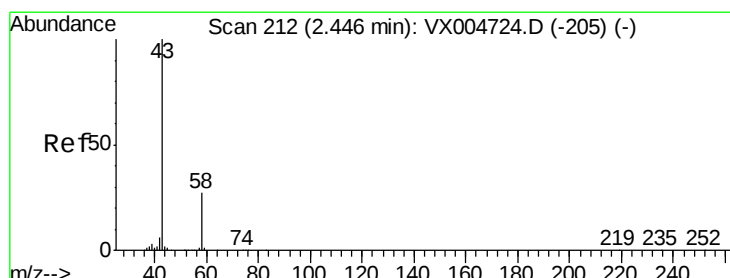
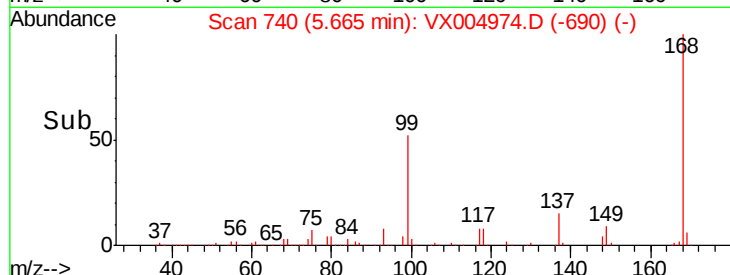
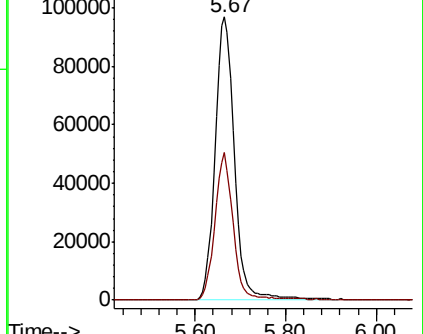
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 31.478 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004974.D

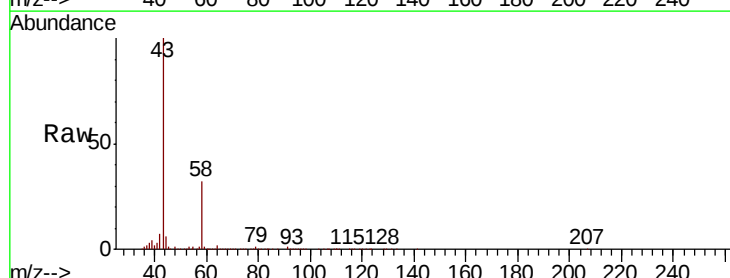
Acq: 03 Oct 2018 17:33

Tgt Ion: 43 Resp: 76057

Ion Ratio Lower Upper

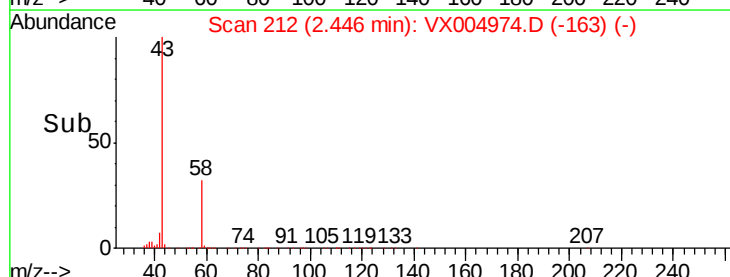
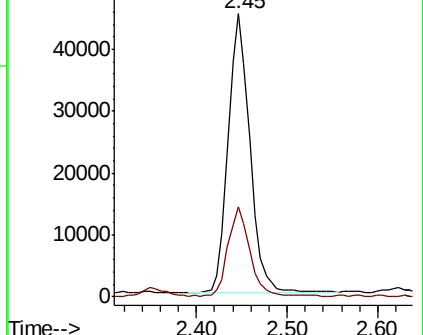
43 100

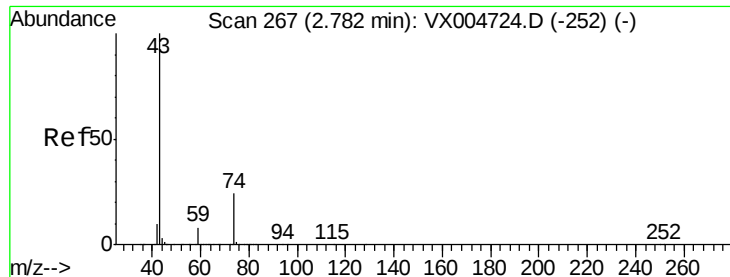
58 32.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





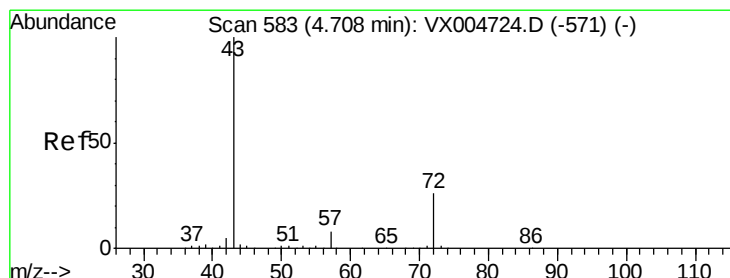
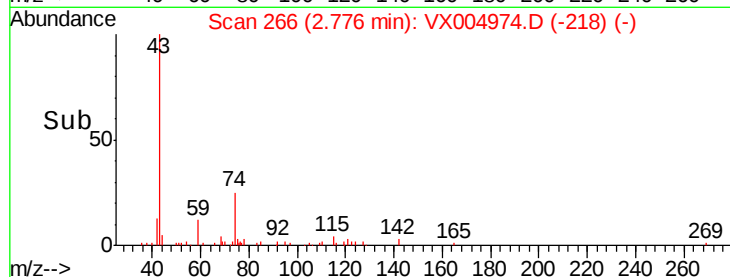
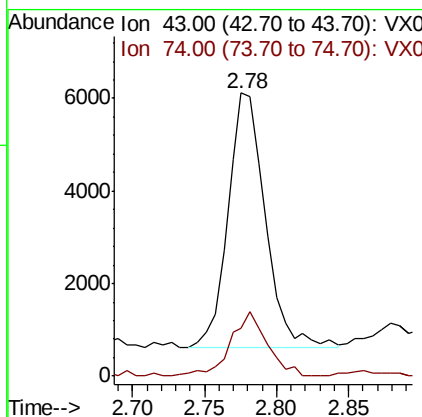
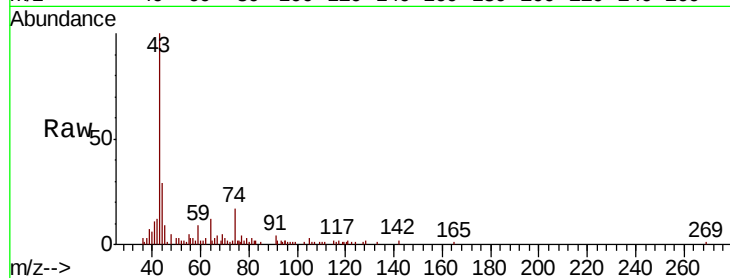
#18
Methyl Acetate
Concen: 1.628 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB113446TB

Tot Ion	43	Resp	9966
Ion Ratio	Lower	Upper	
43	100		
74	24.8	17.8	26.8

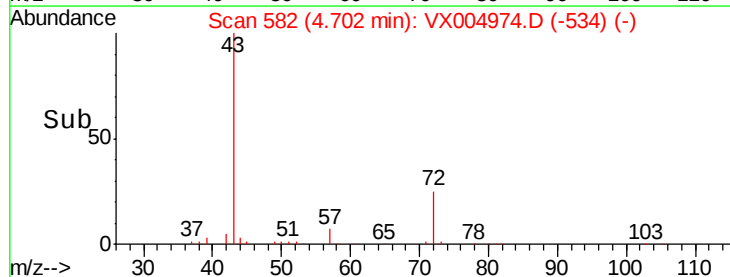
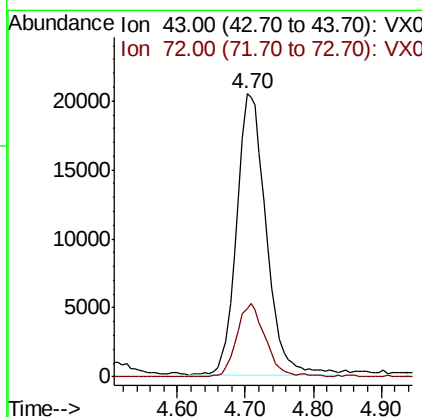
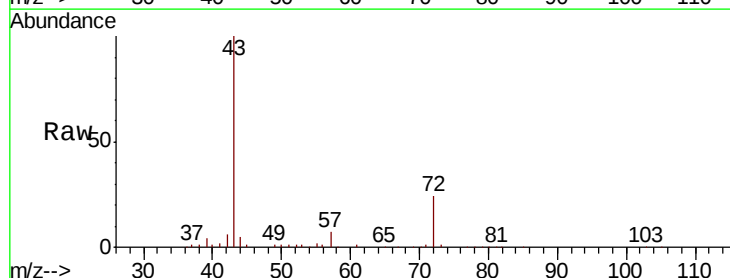
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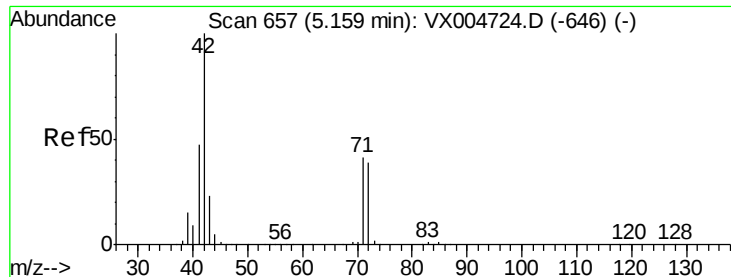
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#25
2-Butanone
Concen: 17.259 ug/l
RT: 4.70 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Tgt Ion	43	Resp	61468
Ion Ratio	Lower	Upper	
43	100		
72	24.5	20.8	31.2





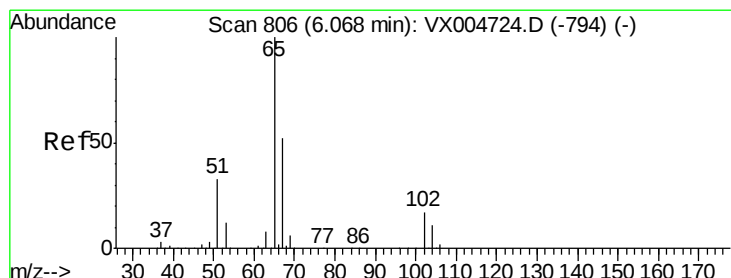
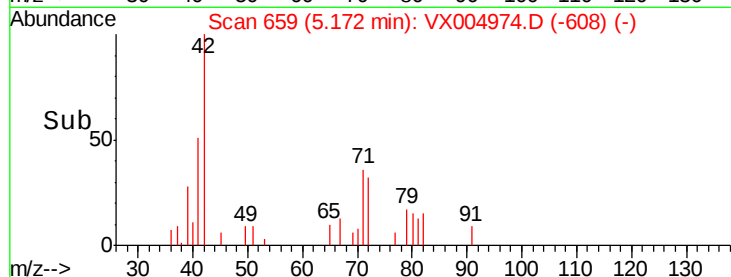
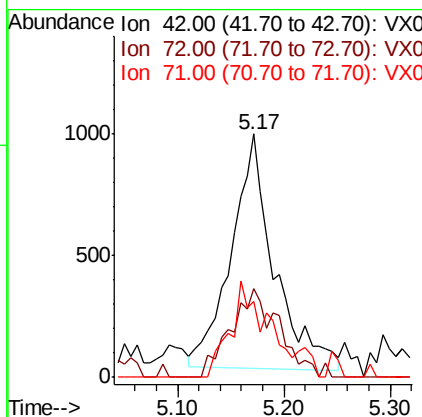
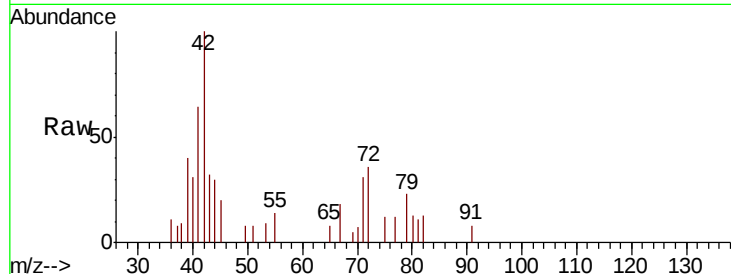
#29
Tetrahydrofuran
Concen: 1.227 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB113446TB

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.7	50.5
71	35.2	32.2	48.4

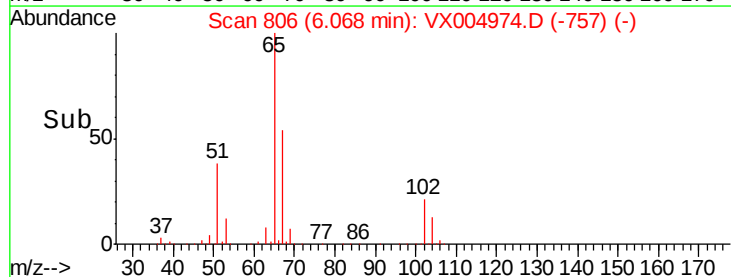
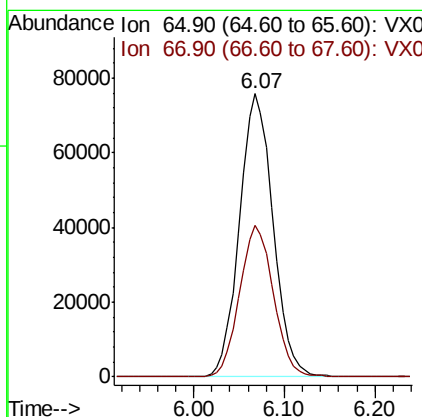
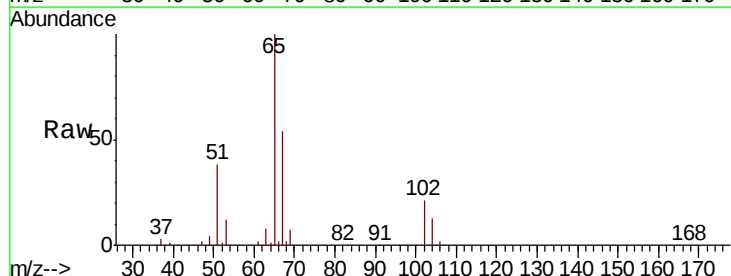
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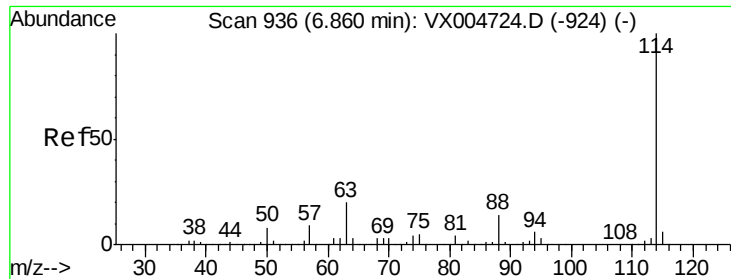
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#33
1,2-Dichloroethane-d4
Concen: 47.075 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	107.4





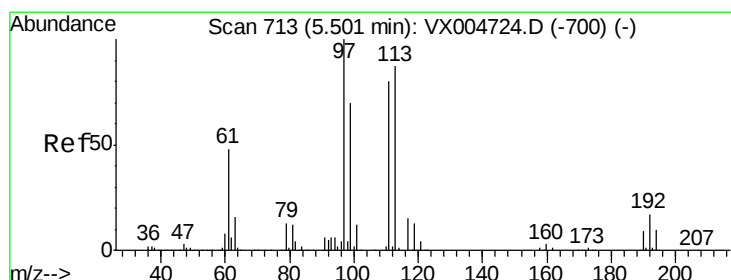
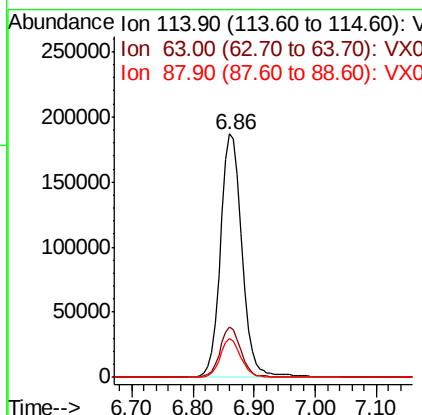
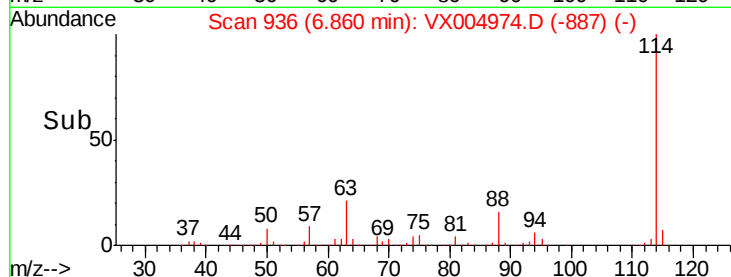
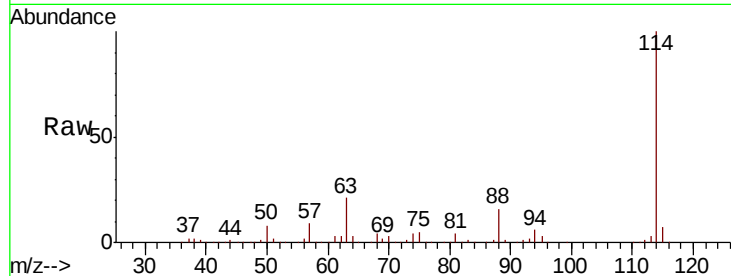
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB113446TB

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.9	0.0	39.8
88	16.1	0.0	27.0

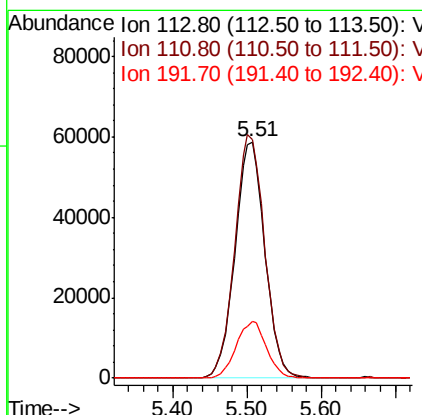
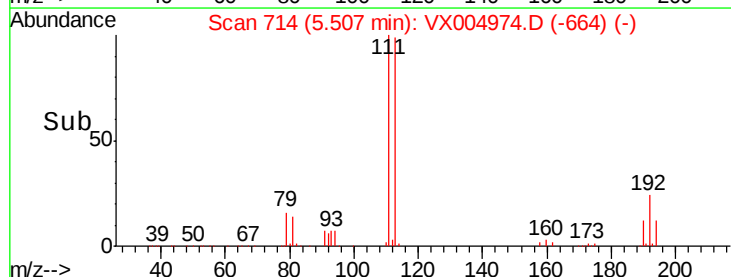
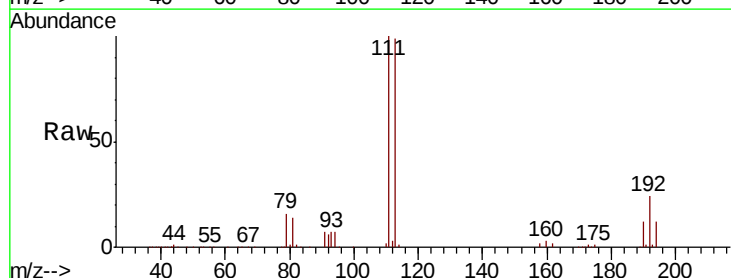
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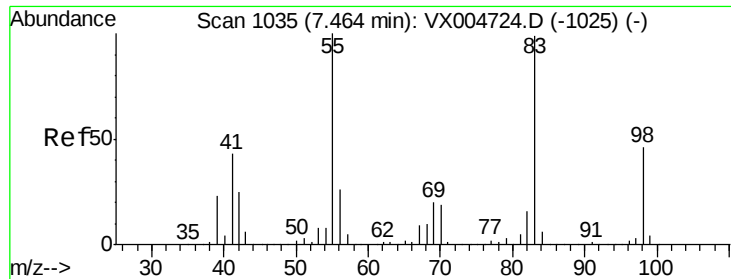
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#35
Dibromofluoromethane
Concen: 42.671 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	103.1	77.0	115.4
192	24.3	17.0	25.6





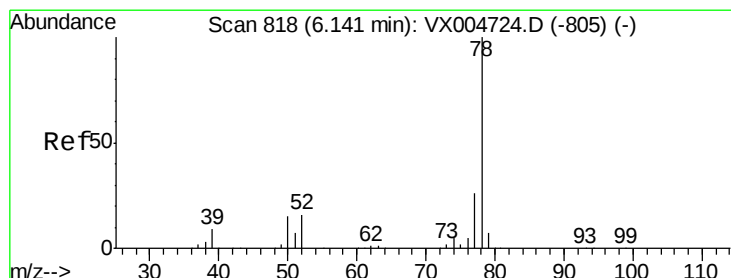
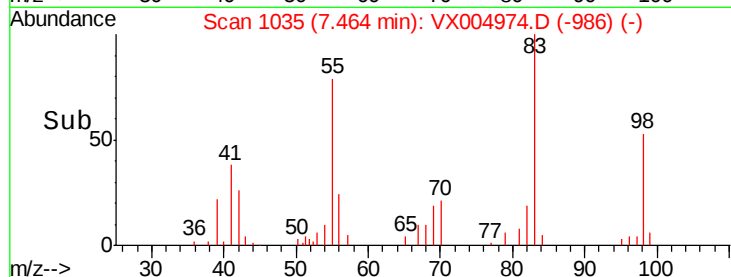
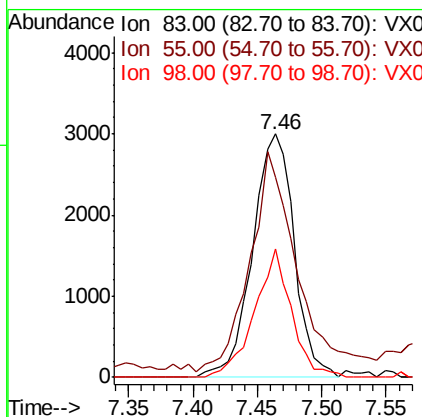
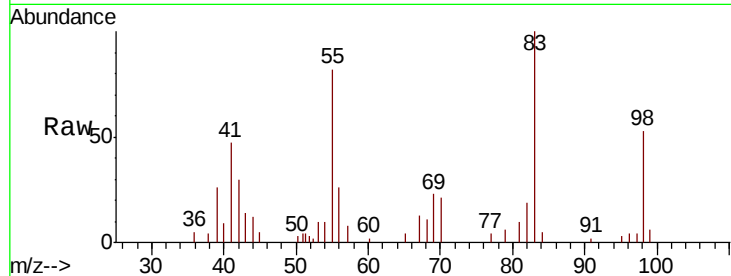
#39
Methvlcvclohexane
Concen: 1.242 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB113446TB

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	81.1	121.7#
98	53.0	37.3	55.9

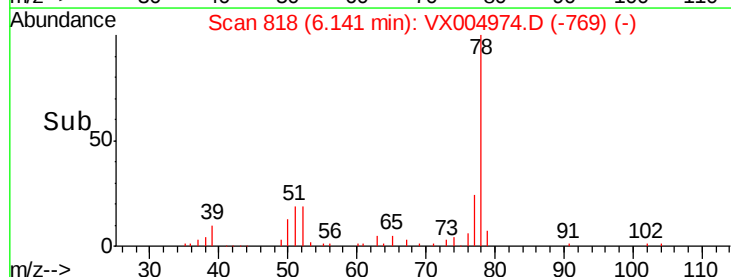
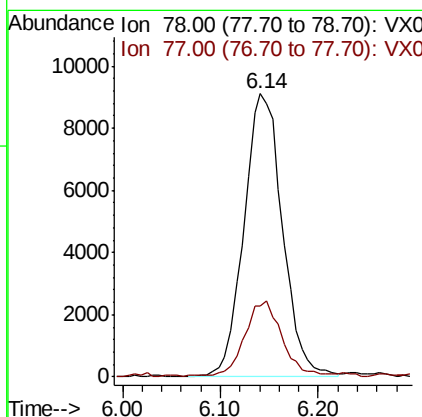
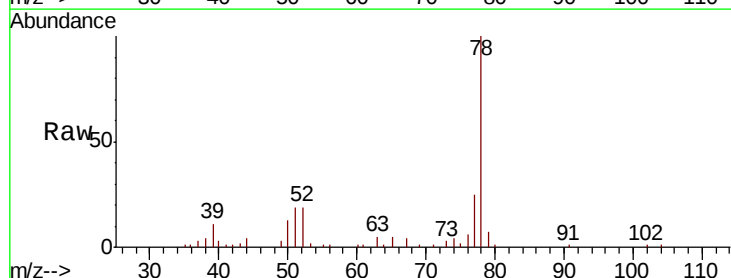
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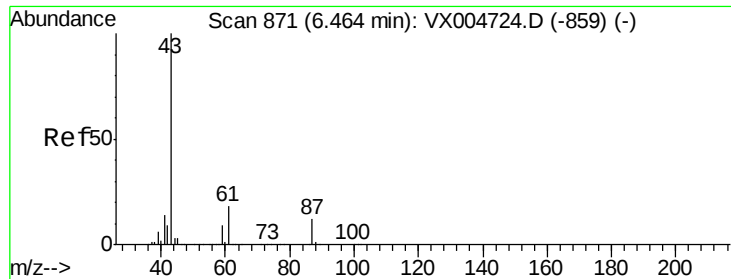
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#40
Benzene
Concen: 1.504 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	21.0	31.4





#43

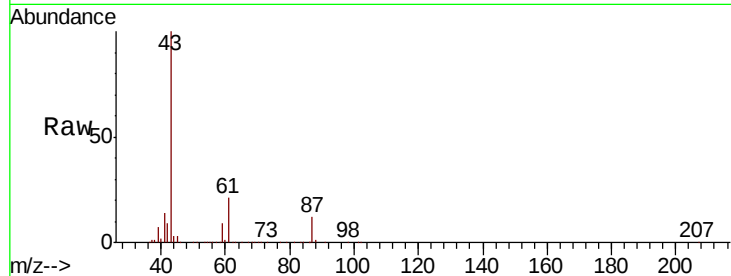
Isopropyl Acetate
 Concen: 26.072 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.00 min
 Lab File: VX004974.D
 Acq: 03 Oct 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113446TB

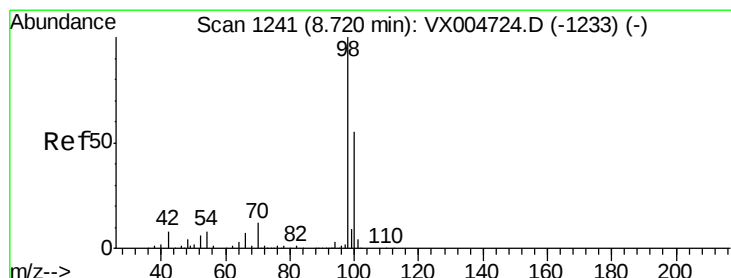
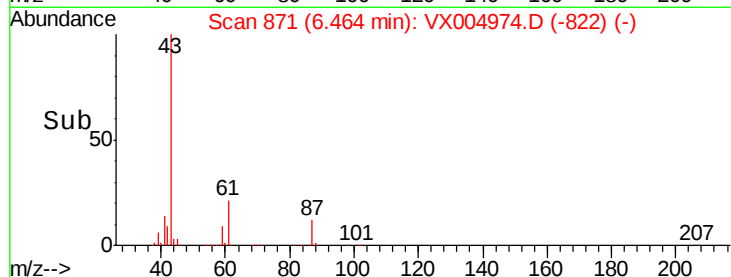
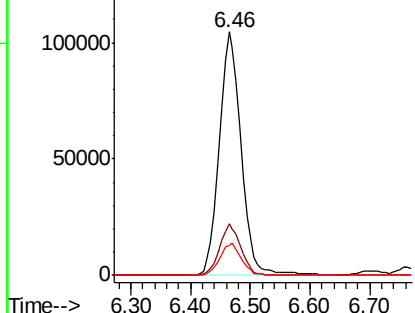
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	14.2	21.4
87	13.2	9.3	13.9

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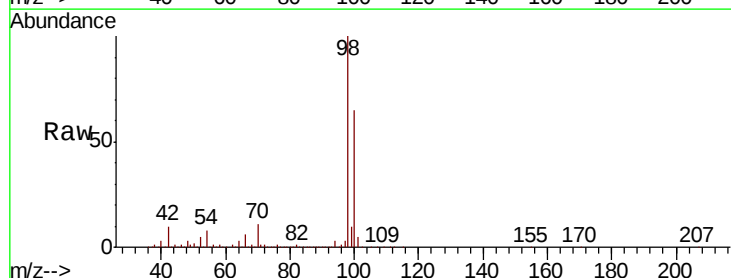
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



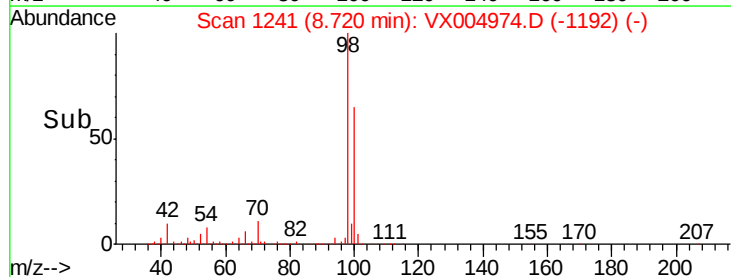
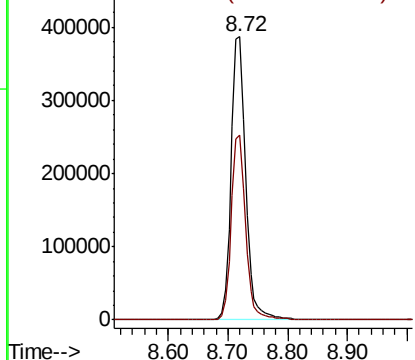
#50

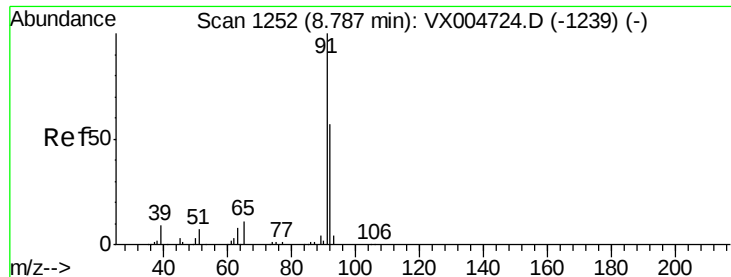
Toluene-d8
 Concen: 50.977 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VX004974.D
 Acq: 03 Oct 2018 17:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 13.476 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004974.D

Acq: 03 Oct 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB113446TB

Tot Ion: 92 Resp: 122657

Ion Ratio Lower Upper

92 100

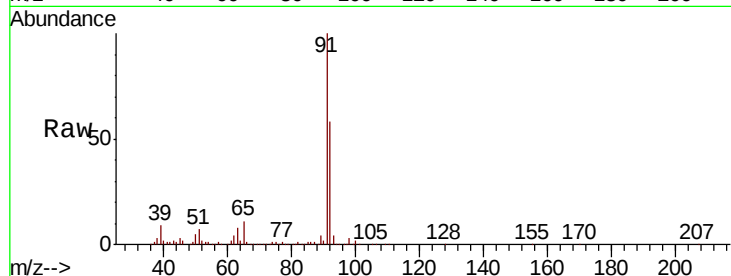
91 175.4 136.7 205.1

Manual Integrations

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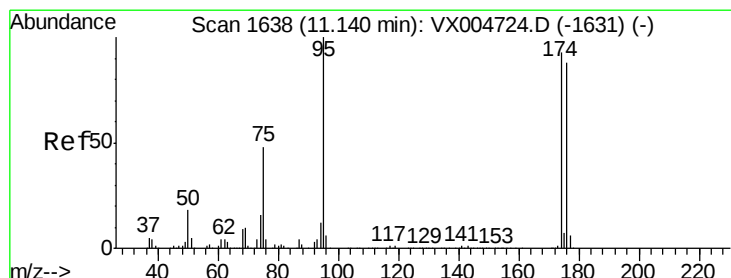
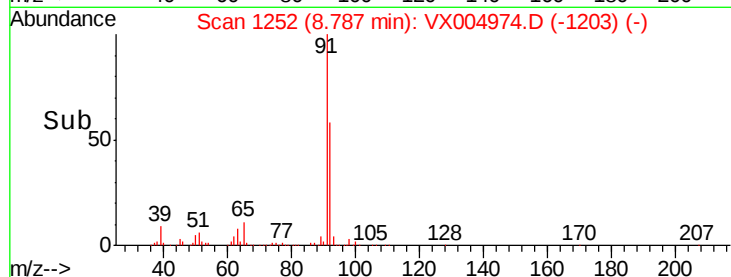
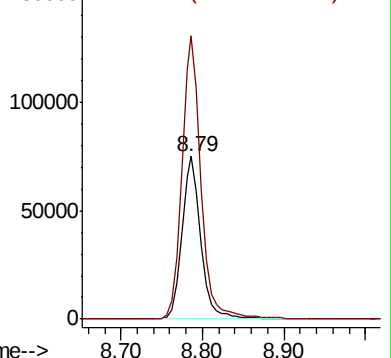
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 57.865 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004974.D

Acq: 03 Oct 2018 17:33

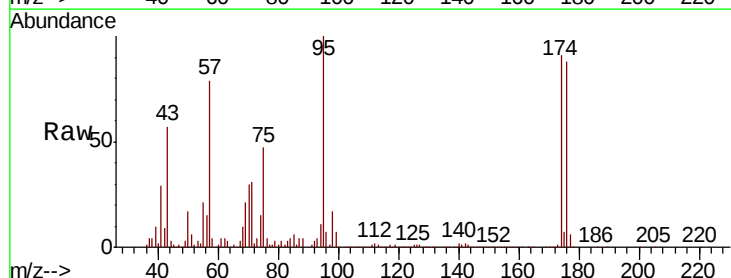
Tgt Ion: 95 Resp: 268753

Ion Ratio Lower Upper

95 100

174 89.1 0.0 185.0

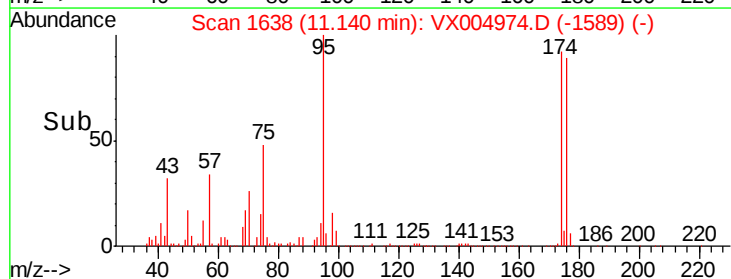
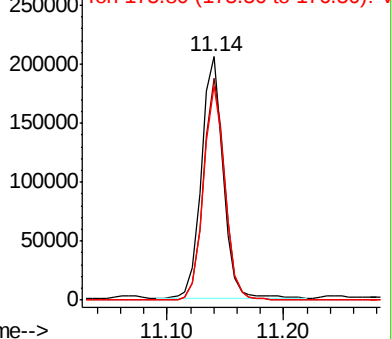
176 87.0 0.0 180.2

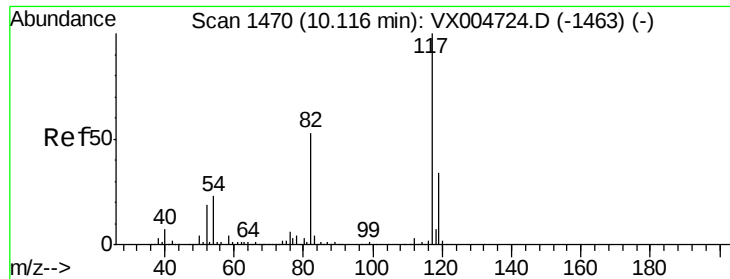


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX004974.D

Acq: 03 Oct 2018 17:33

Instrument :

MSVOA_X

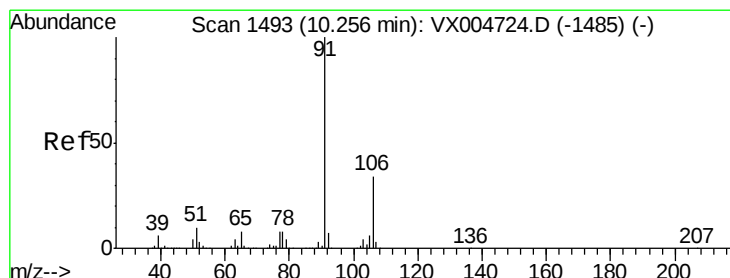
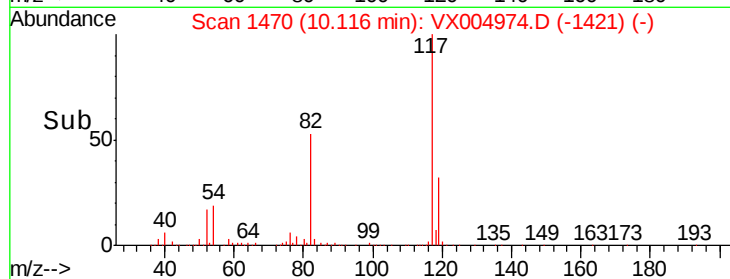
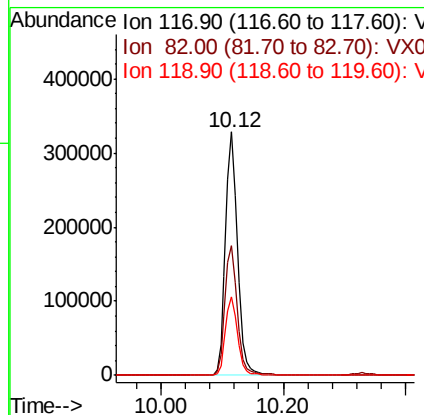
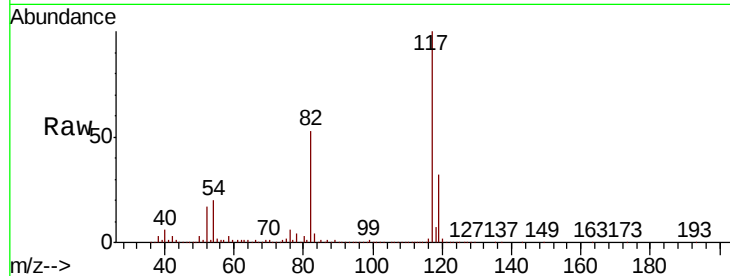
ClientSampleId :

PB113446TB

Tot Ion:	117	Resp:	453321
Ion Ratio	Lower	Upper	
117	100		
82	53.2	42.2	63.4
119	32.0	27.4	41.0

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#67

Ethyl Benzene

Concen: 10.023 ug/l

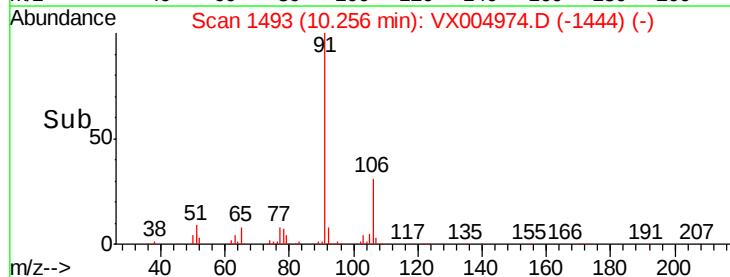
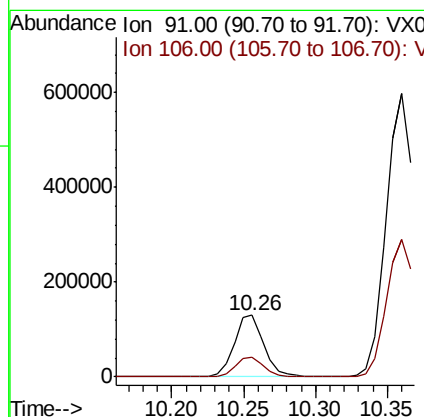
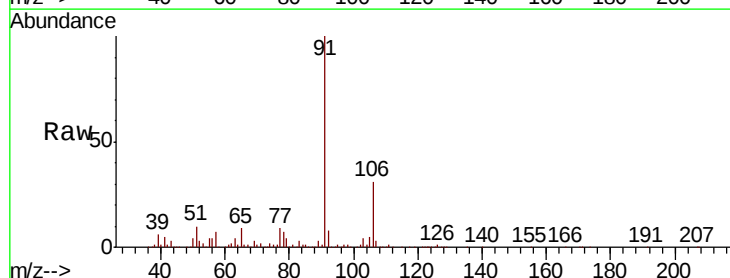
RT: 10.26 min Scan# 1493

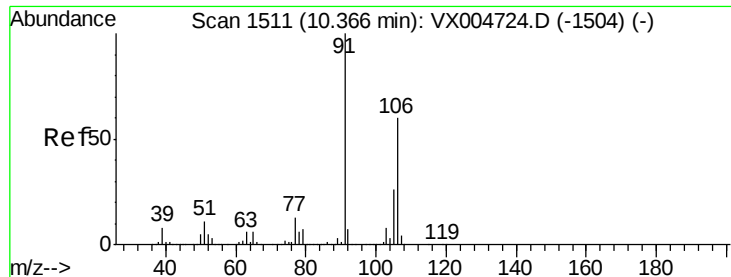
Delta R.T. 0.00 min

Lab File: VX004974.D

Acq: 03 Oct 2018 17:33

Tgt Ion:	91	Resp:	184979
Ion Ratio	Lower	Upper	
91	100		
106	31.3	26.9	40.3





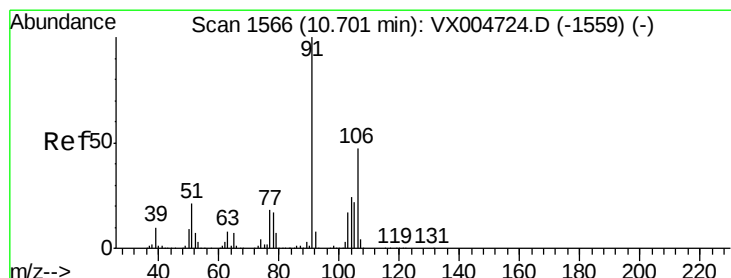
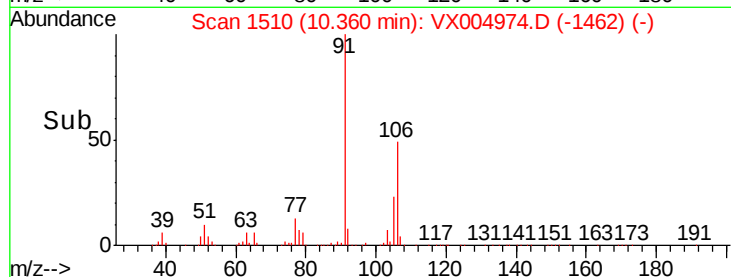
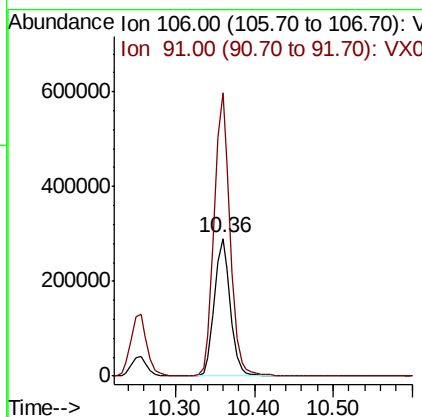
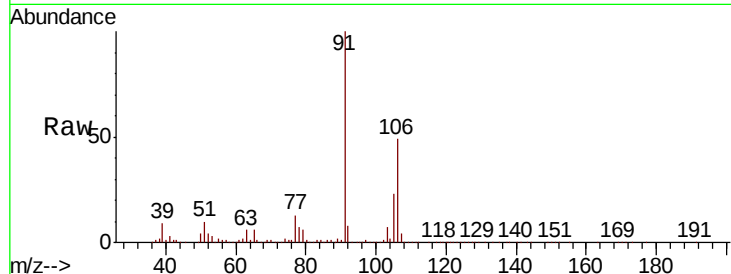
#68
m/p-Xylenes
Concen: 56.980 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB113446TB

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	204.2	157.5	410926	236.3	

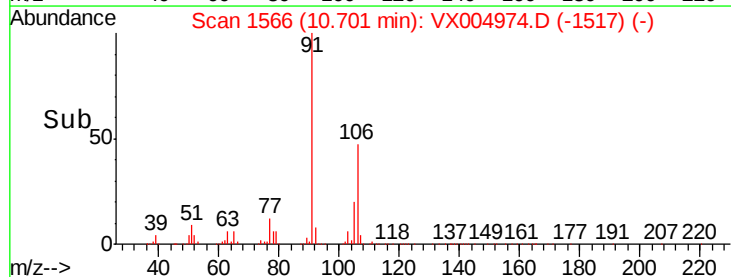
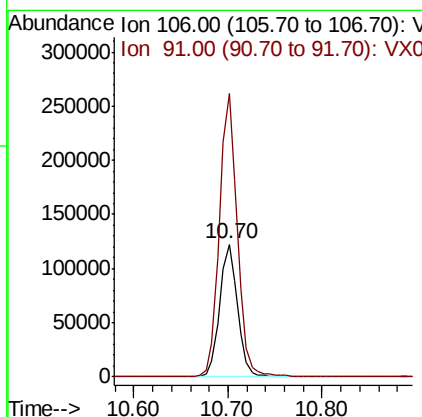
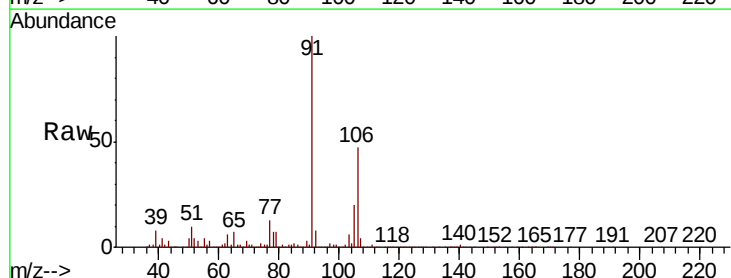
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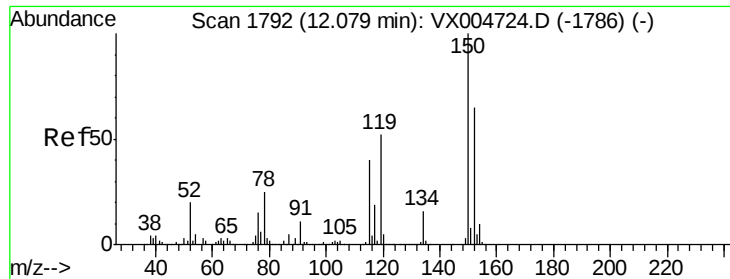
MMDadoda
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#69
o-Xylene
Concen: 24.153 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	213.5	108.3	159991	324.8	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004974.D

Acq: 03 Oct 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB113446TB

Tot Ion:152 Resp: 277909

Ion Ratio Lower Upper

152 100

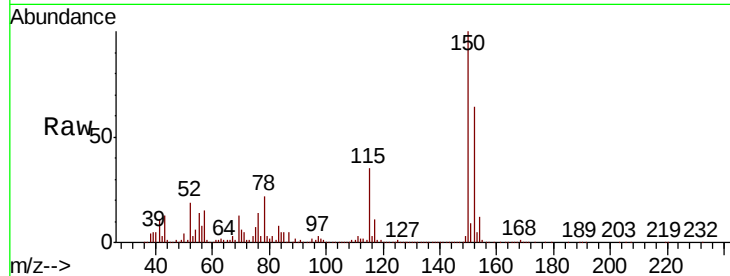
115 55.7 40.2 120.6

150 156.7 0.0 351.0

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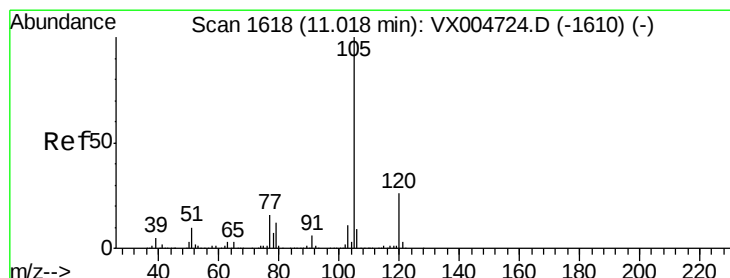
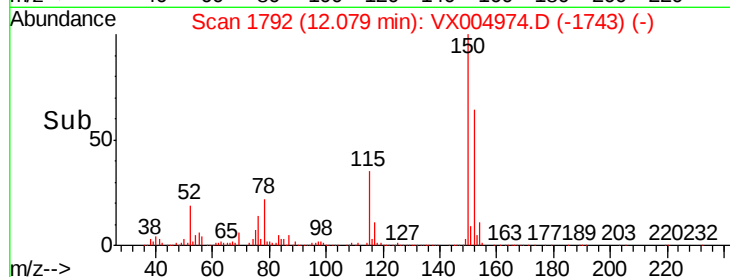
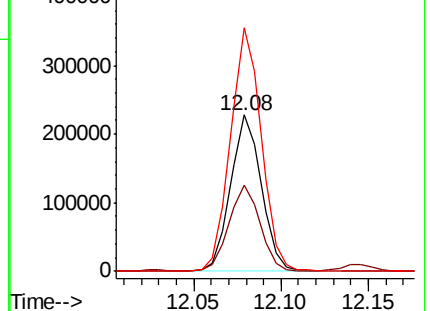
10/5/2018 3:24:47 PM



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: 1.504 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004974.D

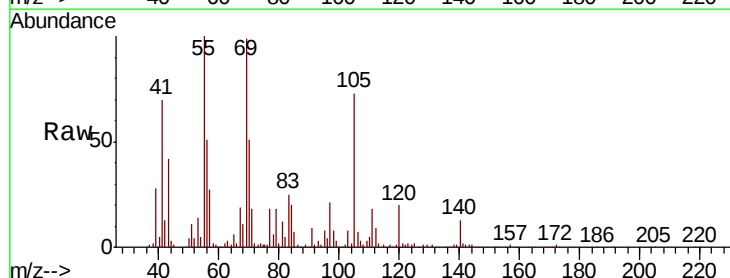
Acq: 03 Oct 2018 17:33

Tgt Ion:105 Resp: 26344

Ion Ratio Lower Upper

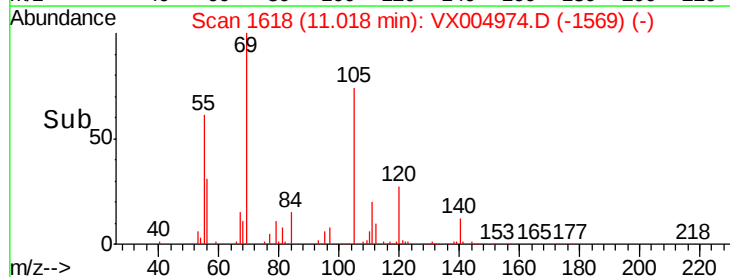
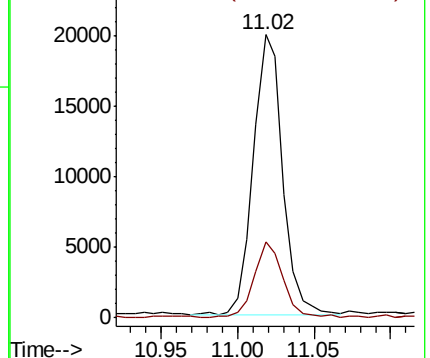
105 100

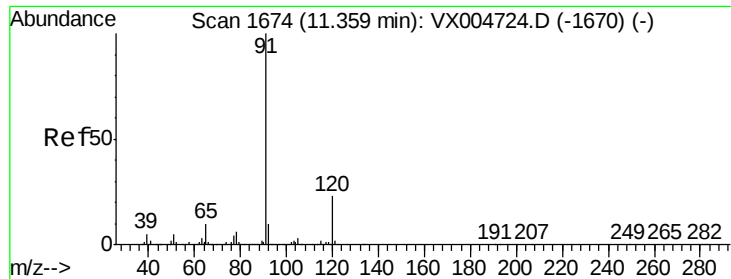
120 27.6 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.540 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004974.D

Acq: 03 Oct 2018 17:33

Instrument :

MSVOA_X

ClientSampleId :

PB113446TB

Tot Ion: 91 Resp: 171644

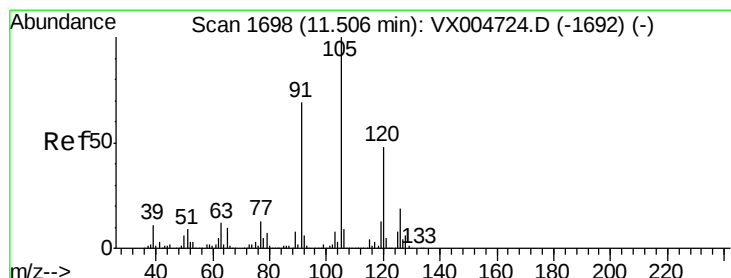
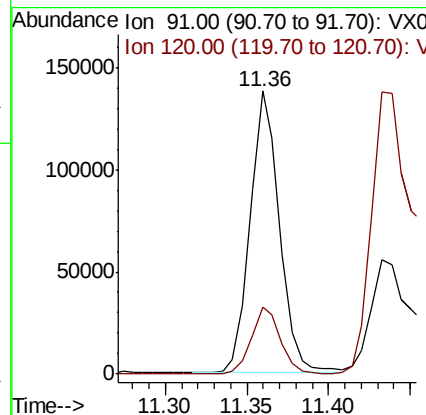
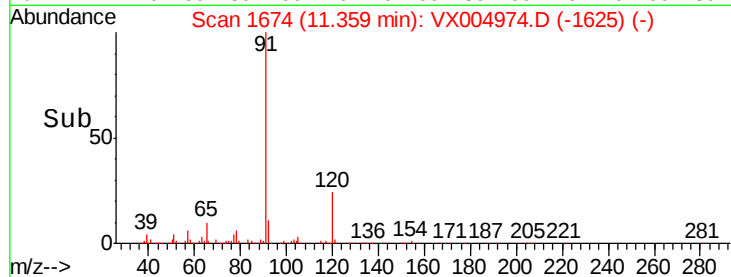
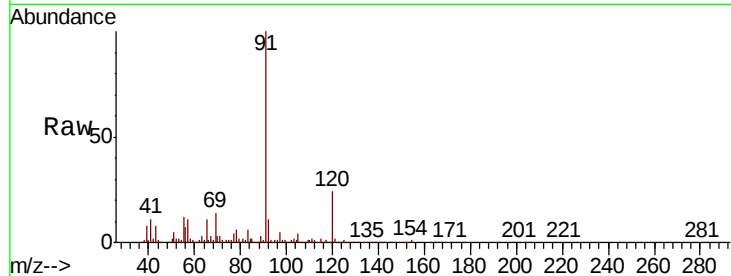
Ion Ratio Lower Upper

91 100

120 23.4 12.0 36.0

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#80

1,3,5-Trimethylbenzene

Concen: 20.334 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX004974.D

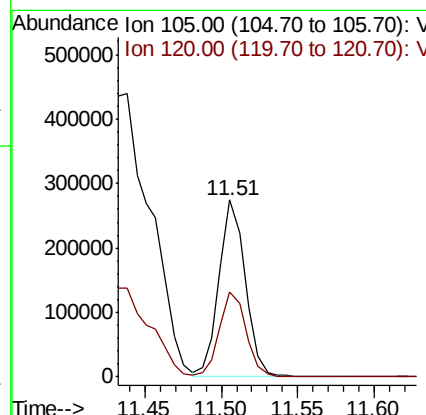
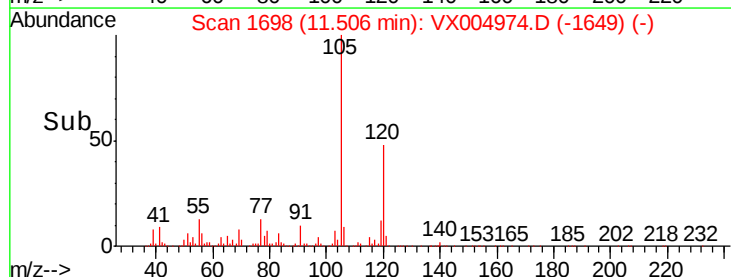
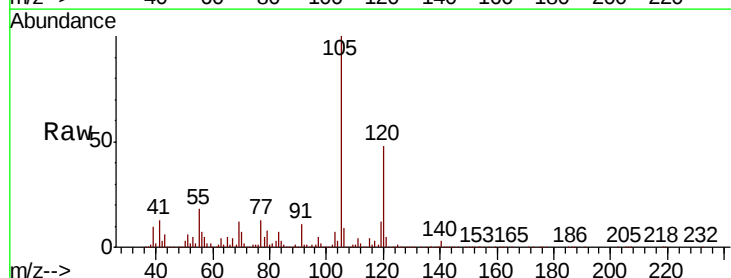
Acq: 03 Oct 2018 17:33

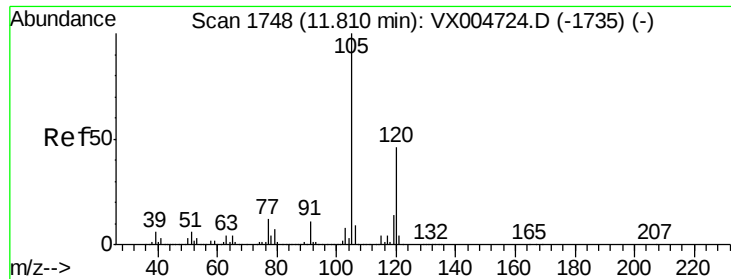
Tgt Ion: 105 Resp: 328350

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





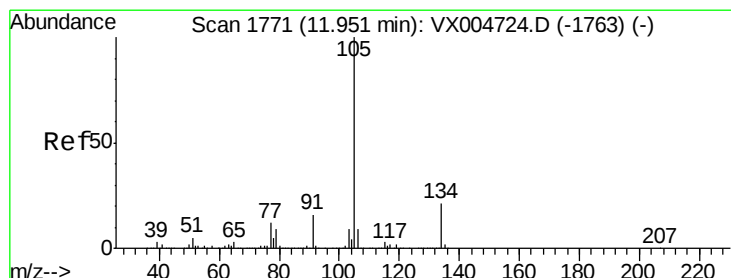
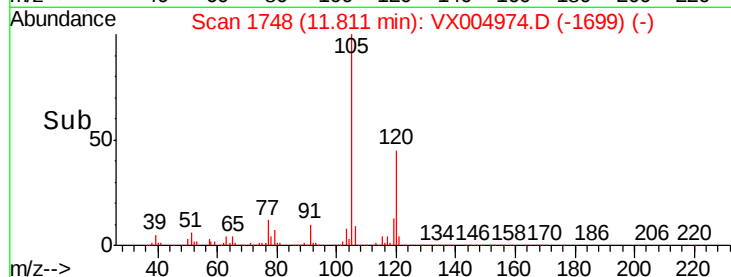
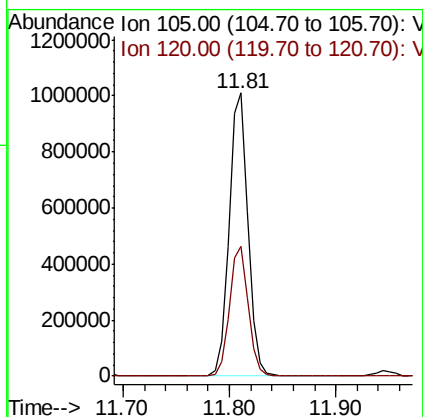
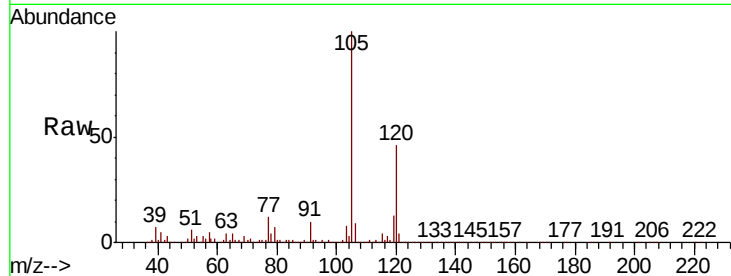
#84
 1,2,4-Trimethylbenzene
 Concen: 75.591 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004974.D
 Acq: 03 Oct 2018 17:33

Instrument :
 MSVOA_X
 ClientSampleId :
 PB113446TB

Tot Ion:105 Resp: 1249884
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.8 68.3

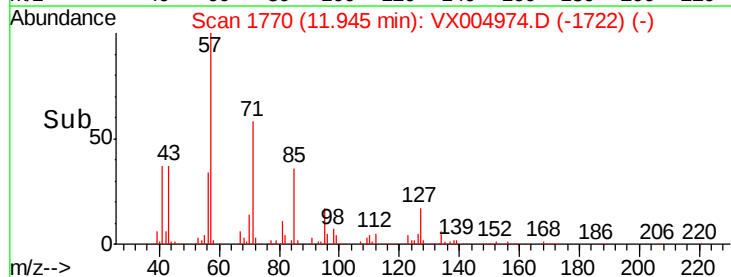
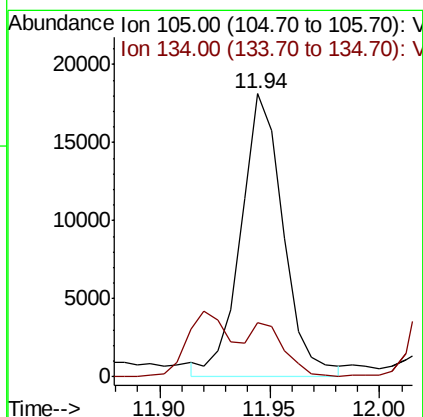
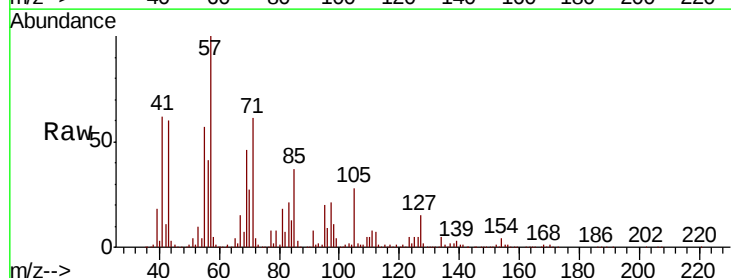
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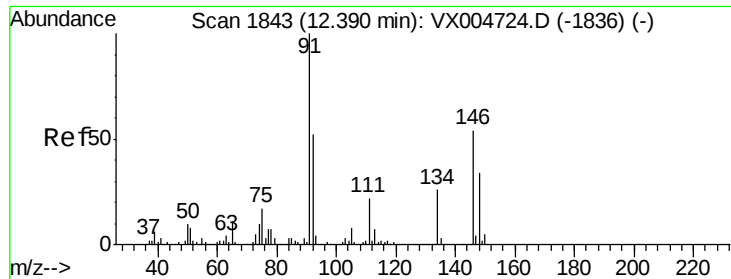
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#85
 sec-Butylbenzene
 Concen: 1.387 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VX004974.D
 Acq: 03 Oct 2018 17:33

Tgt Ion:105 Resp: 24366
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#





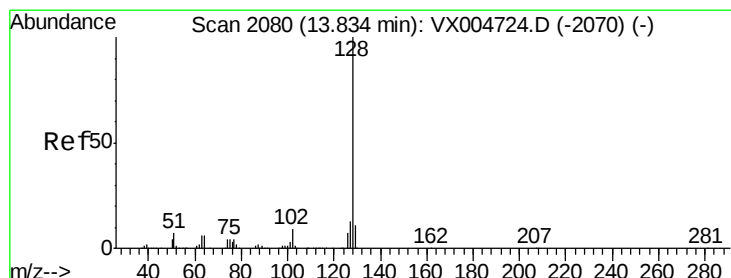
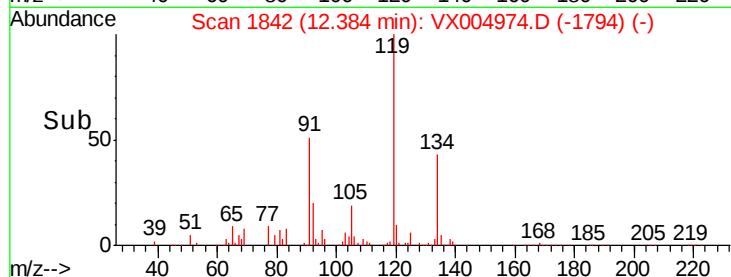
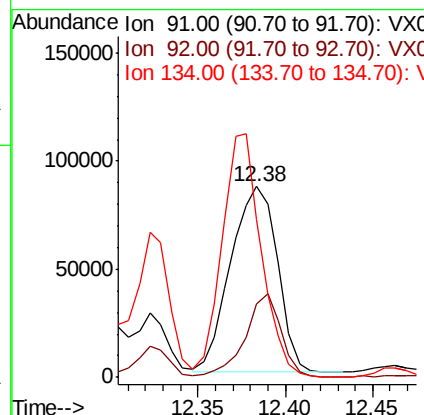
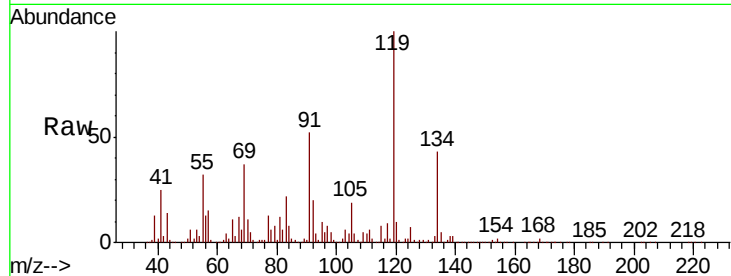
#89
n-Butylbenzene
Concen: 11.000 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Instrument :
MSVOA_X
Client Sampled :
PB113446TB

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	34.0	26.0	78.0	
134	110.0	13.2	39.6	

Manual Integrations
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#95
Naphthalene
Concen: 23.260 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004974.D
Acq: 03 Oct 2018 17:33

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.1	10.4	15.6	
129	11.7	8.7	13.1	

