

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021419\
 Data File : VX007525.D
 Acq On : 13 Feb 2019 17:24
 Operator : JC/SP
 Sample : K1461-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-PIT-4

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:57:16 AM

Quant Time: Feb 14 10:53:09 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	5.66	168	532015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	831046	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	783380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	395150	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	281290	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
35) Dibromofluoromethane	5.51	113	264013	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	980240	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	363829	49.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.34%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.06	59	9319	7.974	ug/l	95
16) Acetone	2.45	43	4061549	1570.167	ug/l	99
18) Methyl Acetate	2.78	43	22135	3.838	ug/l	98
25) 2-Butanone	4.70	43	82143	22.314	ug/l	94
30) Chloroform	5.21	83	15408	1.689	ug/l	91
37) Ethyl Acetate	4.85	43	20429	2.710	ug/l #	87
51) 4-Methyl-2-Pentanone	8.65	43	48897	6.384	ug/l	100
52) Toluene	8.79	92	110644	7.808	ug/l	100
59) 2-Hexanone	9.50	43	13149m	2.206	ug/l	
67) Ethyl Benzene	10.25	91	8369	0.304	ug/l	96
68) m/p-Xylenes	10.36	106	9488	0.867	ug/l	98
69) o-Xylene	10.70	106	4661	0.443	ug/l	83
70) Styrene	10.71	104	10558	0.618	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	134676	6.038	ug/l #	35
86) p-Isopropyltoluene	12.07	119	210305	8.850	ug/l	97
95) Naphthalene	13.83	128	8211	0.308	ug/l #	93

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

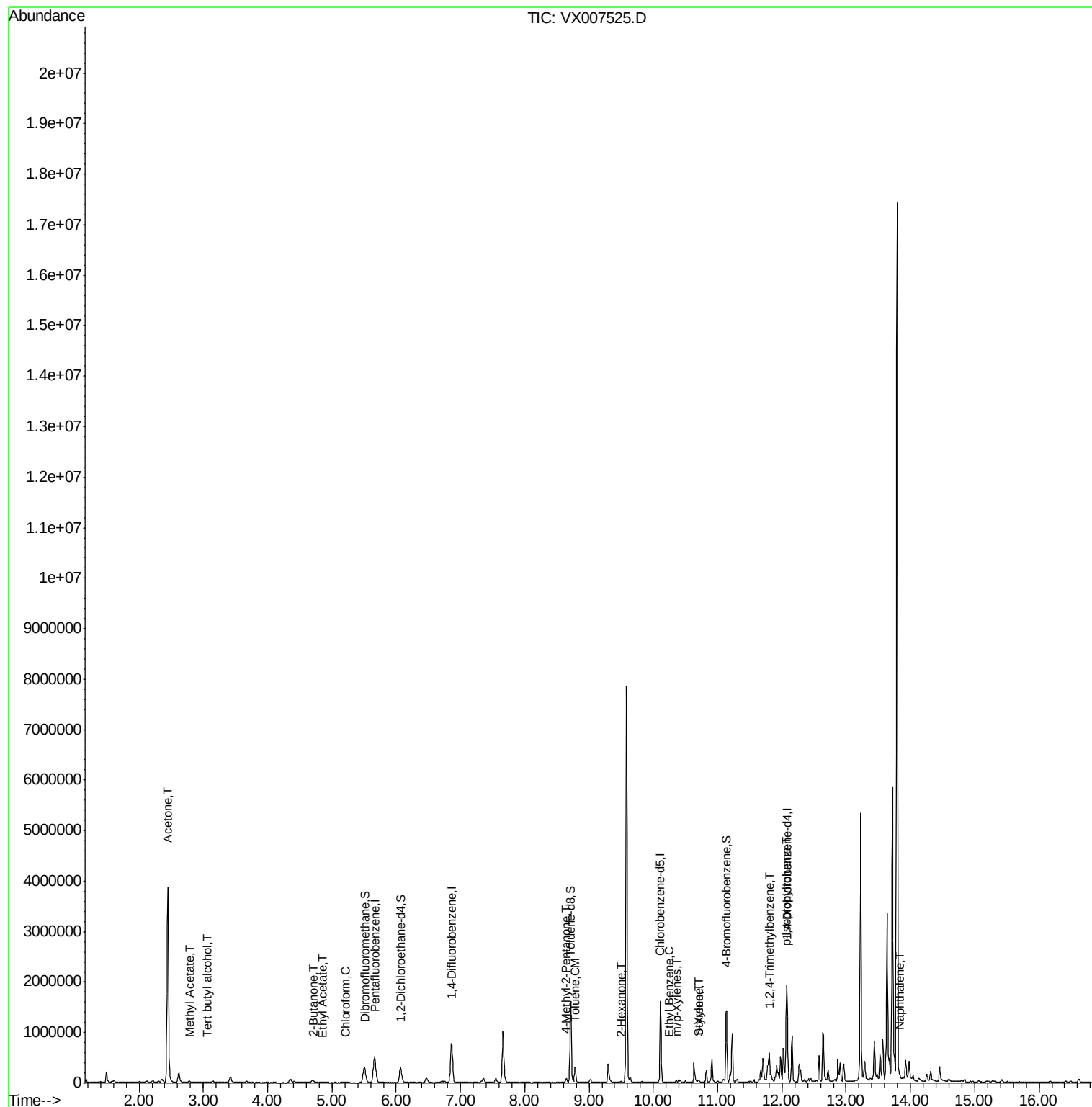
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX021419\
Data File : VX007525.D
Acq On : 13 Feb 2019 17:24
Operator : JC/SP
Sample : K1461-09
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

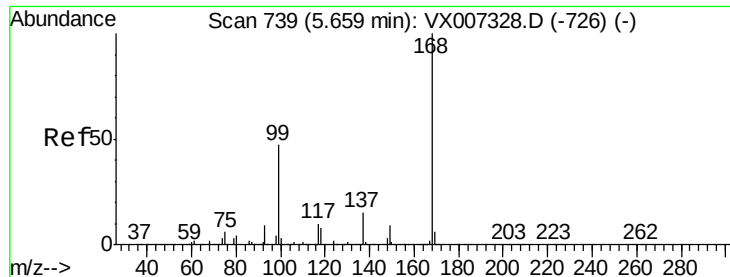
Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4

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2/14/2019 10:57:16 AM

Quant Time: Feb 14 10:53:09 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: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007525.D

Acq: 13 Feb 2019 17:24

Instrument :

MSVOA_X

ClientSampled :

TEST-PIT-4

Tot Ion:168 Resp: 532015

Ion Ratio Lower Upper

168 100

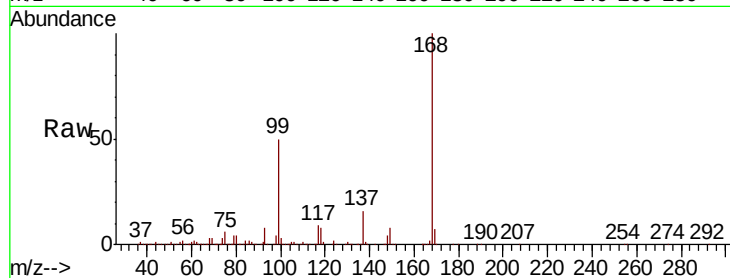
99 49.9 37.9 56.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

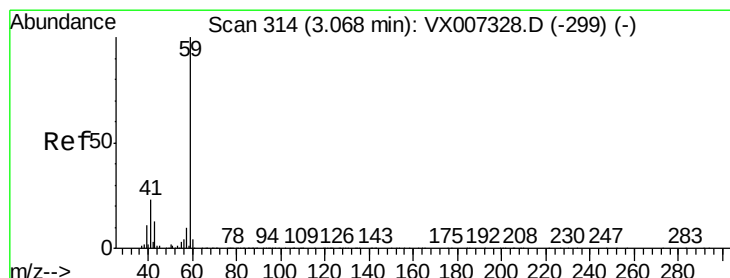
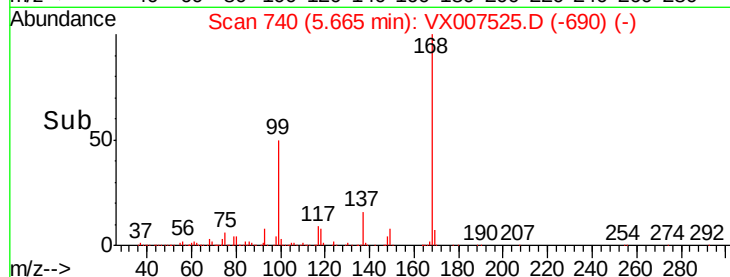
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#11

Tert butyl alcohol

Concen: 7.974 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007525.D

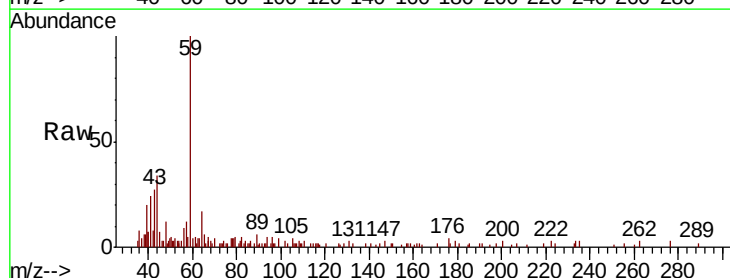
Acq: 13 Feb 2019 17:24

Tgt Ion: 59 Resp: 9319

Ion Ratio Lower Upper

59 100

57 12.1 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

4000

3000

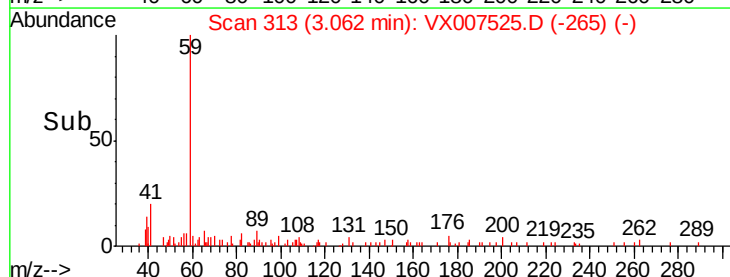
2000

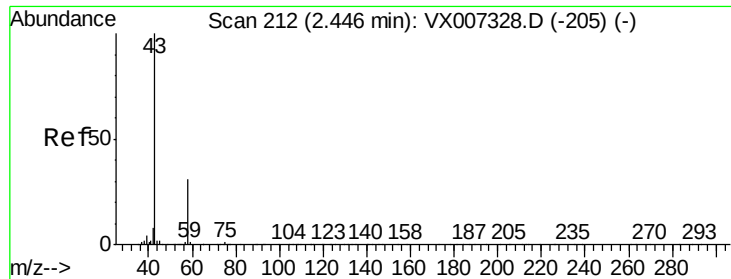
1000

0

3.00 3.05 3.10 3.15

Time-->





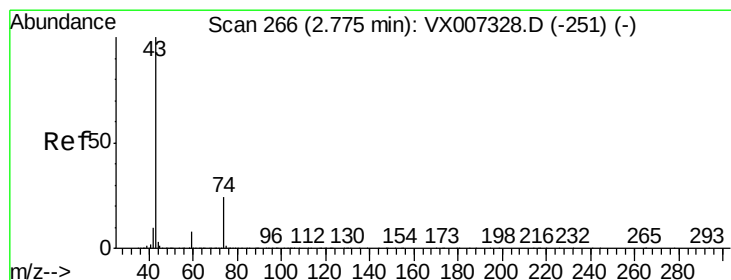
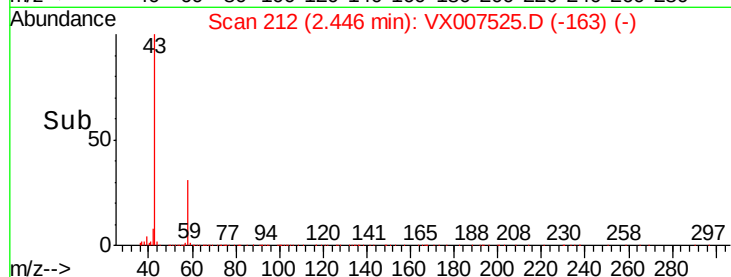
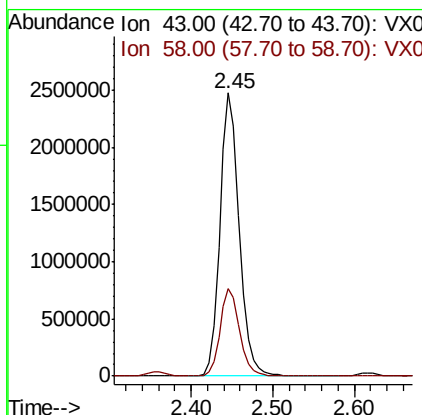
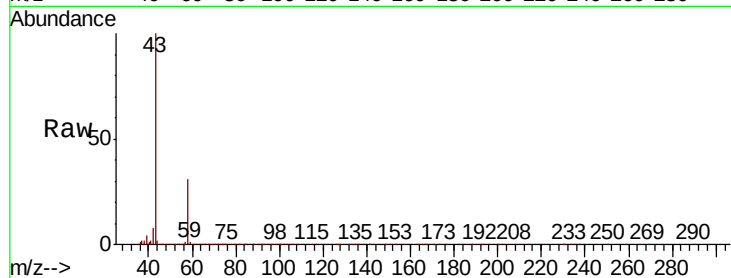
#16
Acetone
Concen: 1570.167 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Instrument :
MSVOA_X
ClientSampled :
TEST-PIT-4

Tot Ion: 43 Resp: 4061549
Ion Ratio Lower Upper
43 100
58 30.8 24.9 37.3

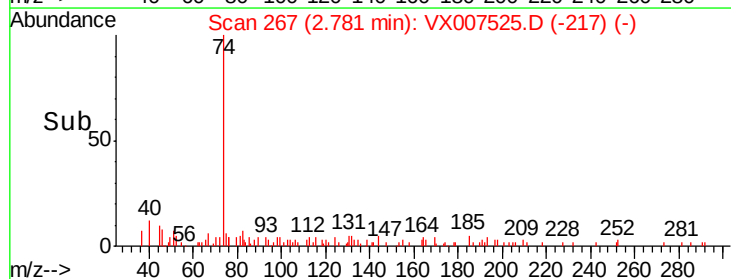
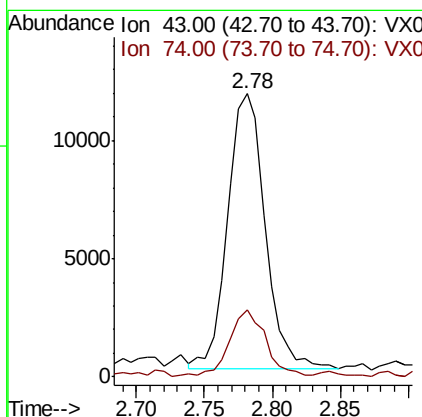
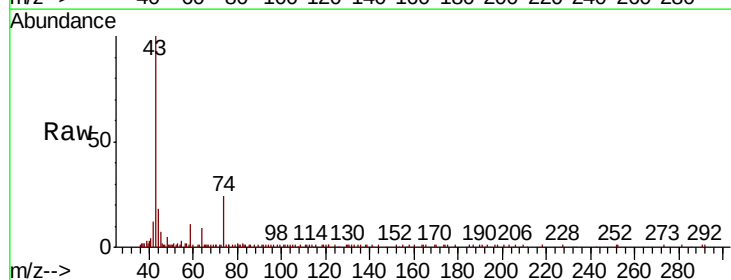
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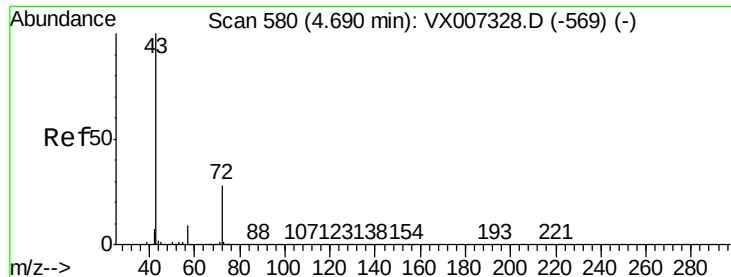
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#18
Methyl Acetate
Concen: 3.838 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Tgt Ion: 43 Resp: 22135
Ion Ratio Lower Upper
43 100
74 23.2 19.4 29.2





#25

2-Butanone

Concen: 22.314 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007525.D

Acq: 13 Feb 2019 17:24

Instrument :

MSVOA_X

ClientSampleId :

TEST-PIT-4

Tot Ion: 43 Resp: 82143

Ion Ratio Lower Upper

43 100

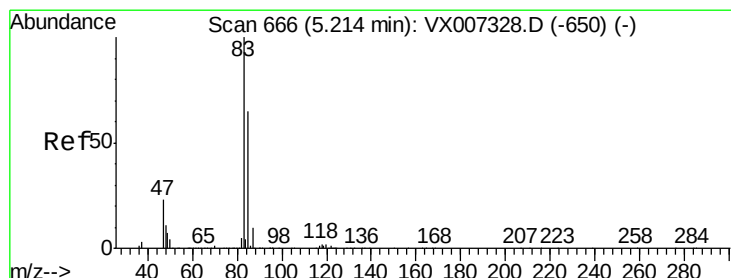
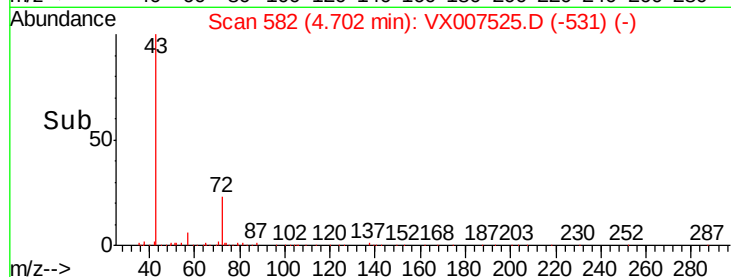
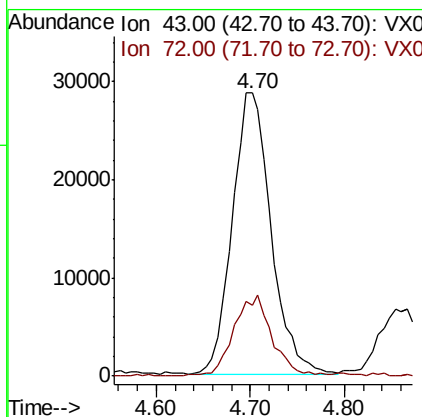
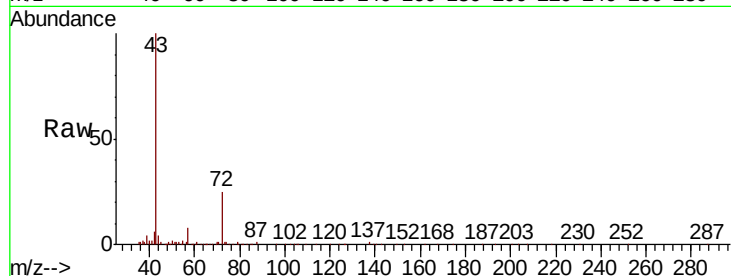
72 24.5 22.2 33.2

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#30

Chloroform

Concen: 1.689 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX007525.D

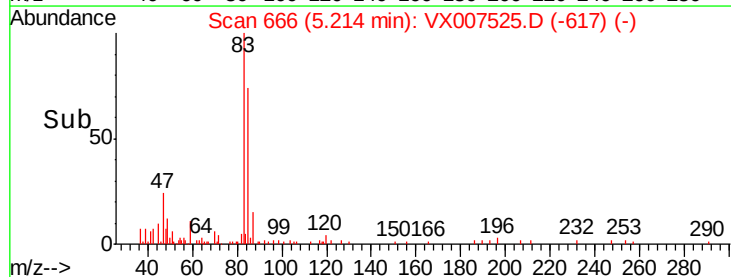
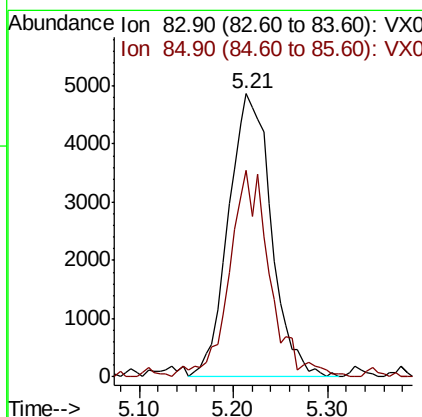
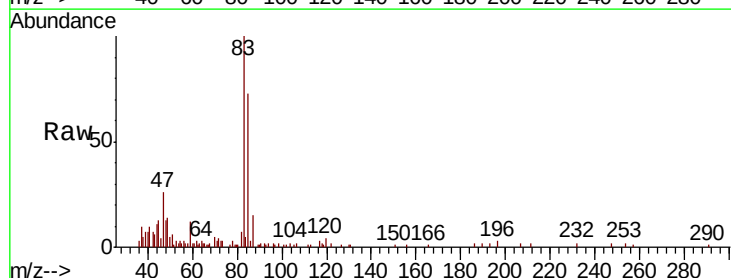
Acq: 13 Feb 2019 17:24

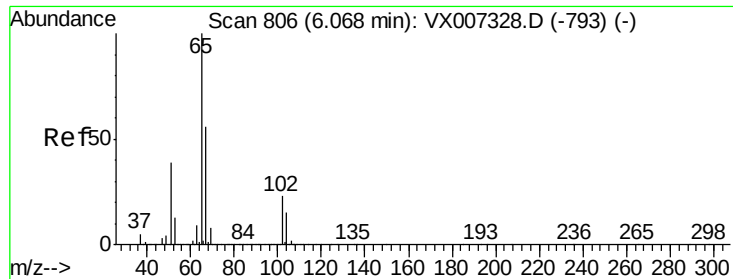
Tgt Ion: 83 Resp: 15408

Ion Ratio Lower Upper

83 100

85 71.9 51.6 77.4





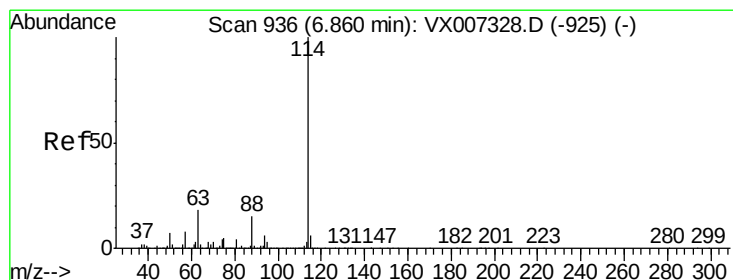
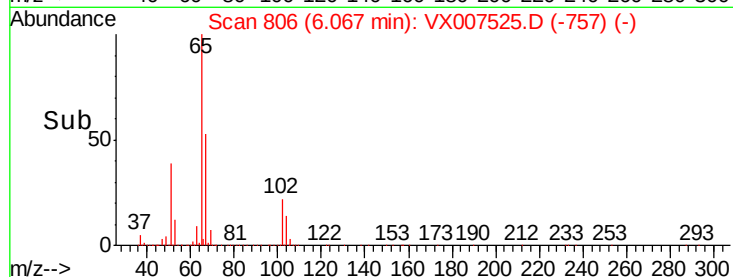
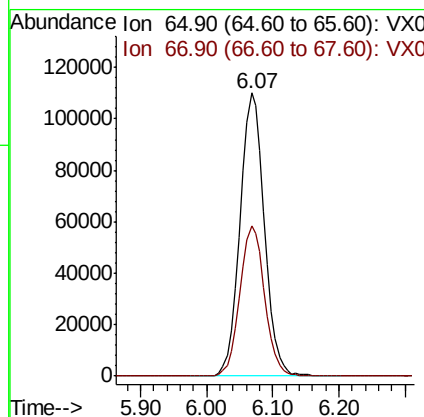
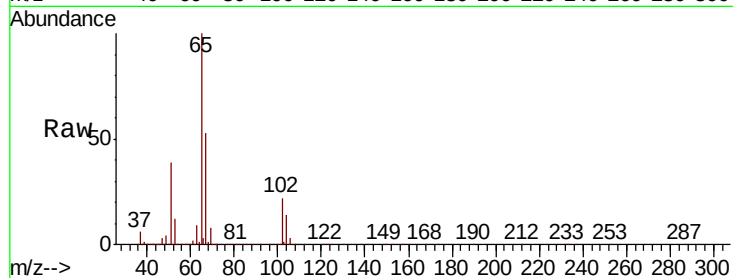
#33
 1,2-Dichloroethane-d4
 Concen: 49.813 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007525.D
 Acq: 13 Feb 2019 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TEST-PIT-4

Tot Ion	Ratio	Resp	Lower	Upper
65	100	281290		
67	54.0	0.0	108.8	

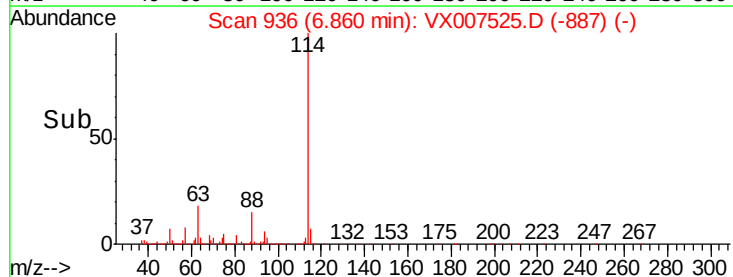
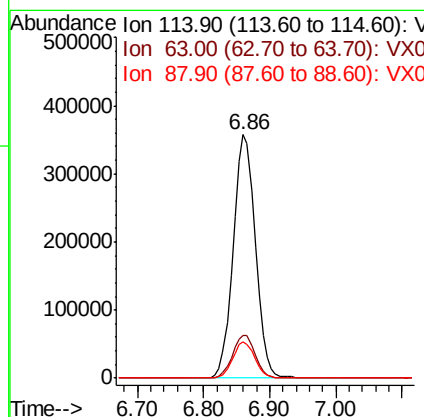
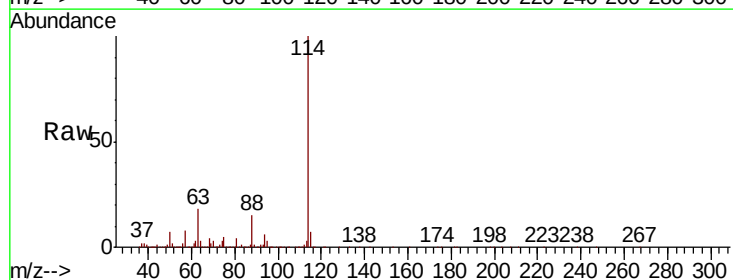
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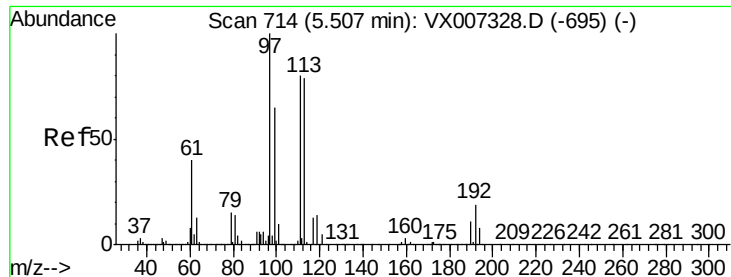
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007525.D
 Acq: 13 Feb 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	831046		
63	17.7	0.0	35.6	
88	14.7	0.0	29.6	





#35

Dibromofluoromethane

Concen: 48.825 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007525.D

Acq: 13 Feb 2019 17:24

Instrument :

MSVOA_X

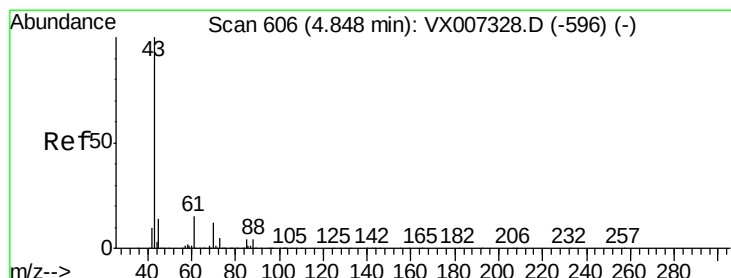
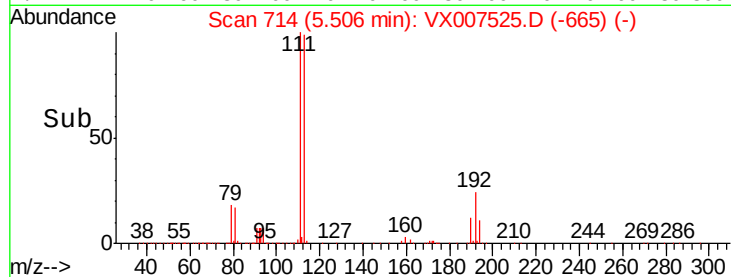
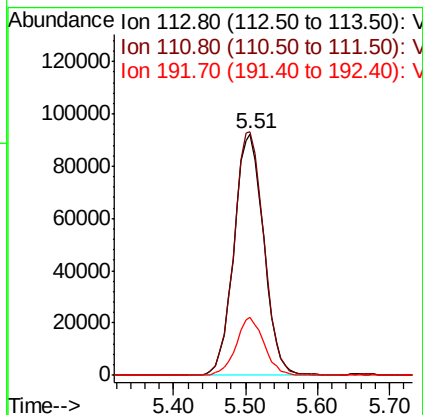
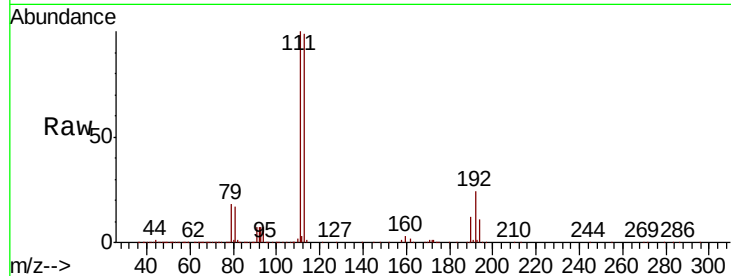
ClientSampleId :

TEST-PIT-4

Tot Ion:	113	Resp:	264013
Ion Ratio	Lower	Upper	
113	100		
111	101.3	81.8	122.8
192	22.7	18.5	27.7

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#37

Ethyl Acetate

Concen: 2.710 ug/l

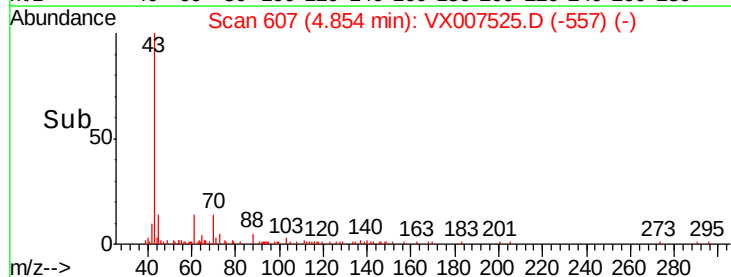
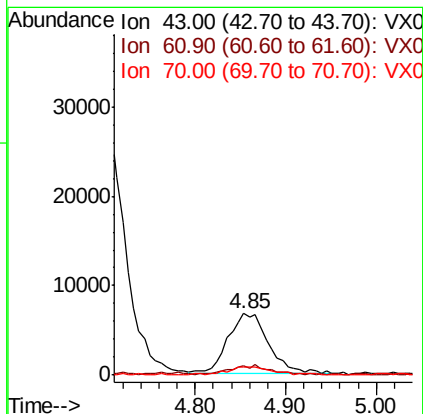
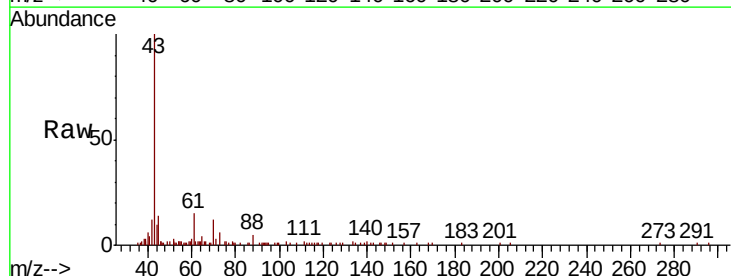
RT: 4.85 min Scan# 607

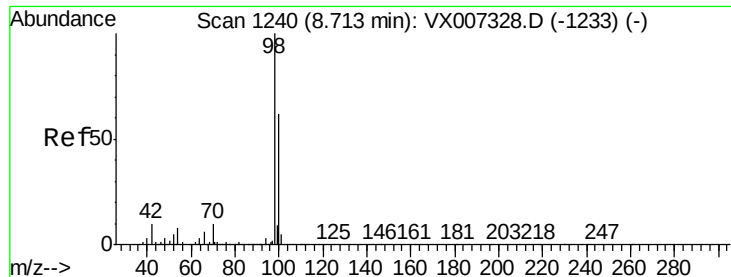
Delta R.T. 0.01 min

Lab File: VX007525.D

Acq: 13 Feb 2019 17:24

Tgt Ion:	43	Resp:	20429
Ion Ratio	Lower	Upper	
43	100		
61	17.7	11.3	16.9#
70	17.9	8.6	13.0#





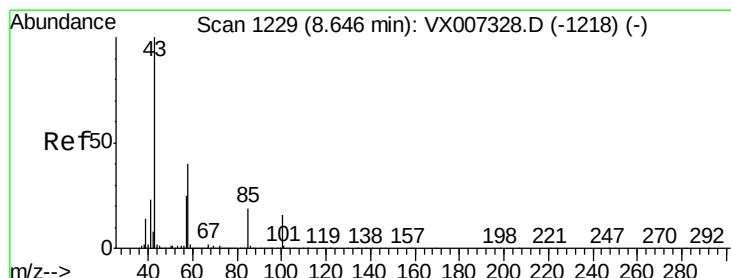
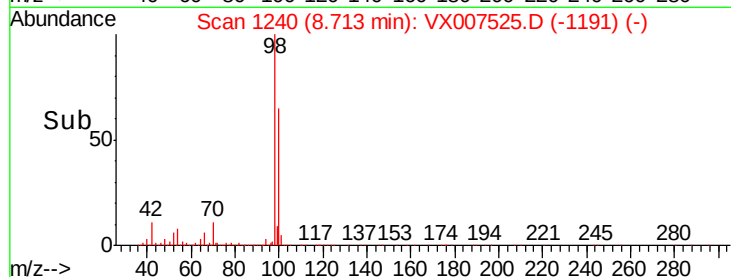
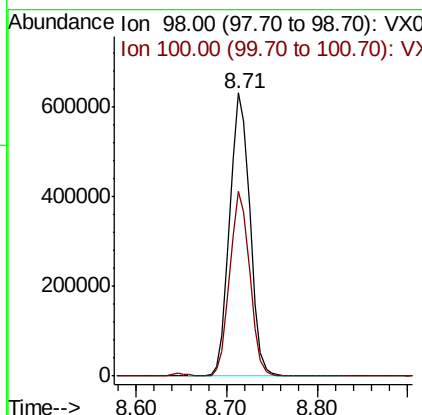
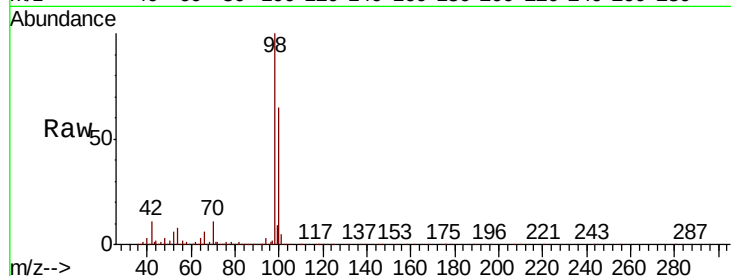
#50
Toluene-d8
Concen: 48.860 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4

Tot Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.6	77.4

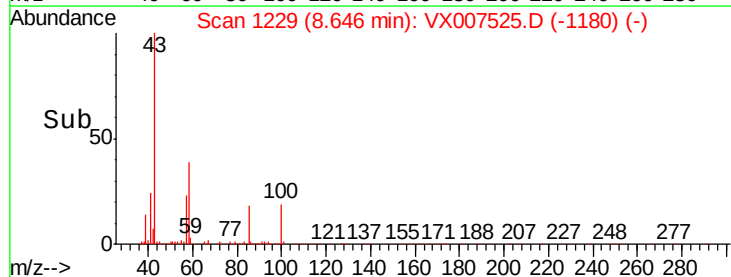
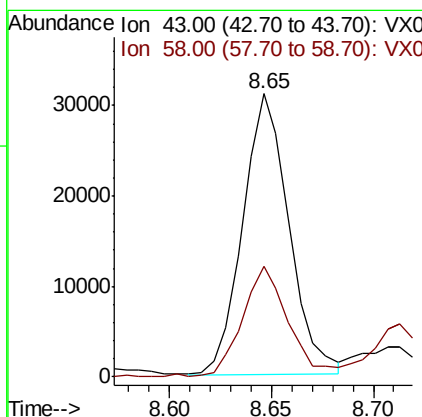
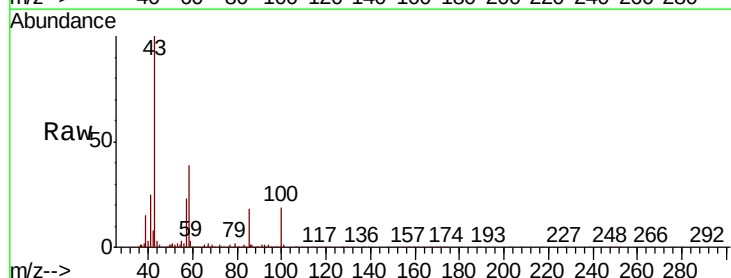
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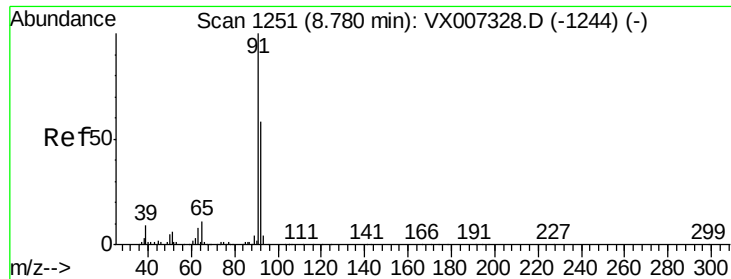
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2/14/2019 10:57:16 AM



#51
4-Methyl-2-Pentanone
Concen: 6.384 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.2	46.8





#52

Toluene

Concen: 7.808 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007525.D

Acq: 13 Feb 2019 17:24

Instrument :

MSVOA_X

ClientSampled :

TEST-PIT-4

Tot Ion: 92 Resp: 110644

Ion Ratio Lower Upper

92 100

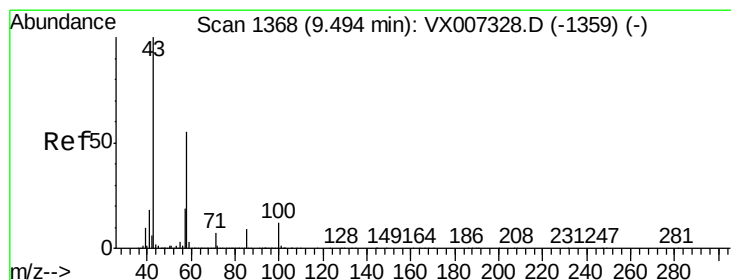
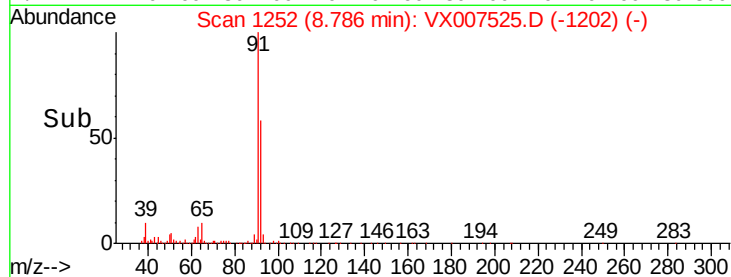
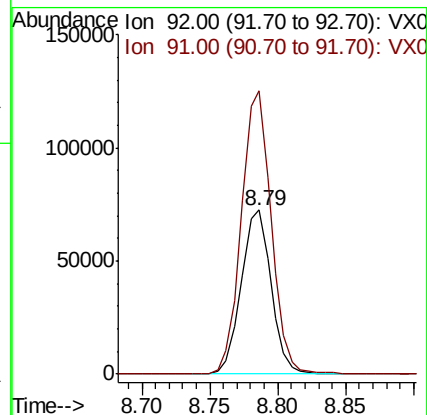
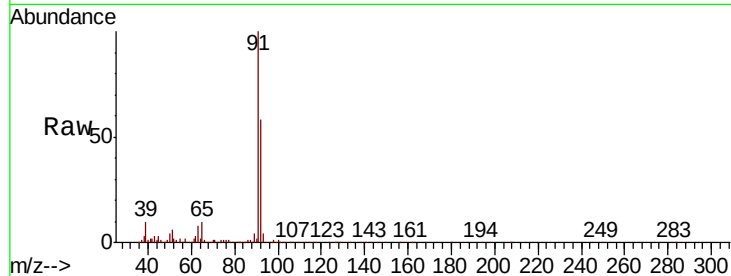
91 173.2 139.1 208.7

Manual Integrations

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2/14/2019 10:57:16 AM



#59

2-Hexanone

Concen: 2.206 ug/l m

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX007525.D

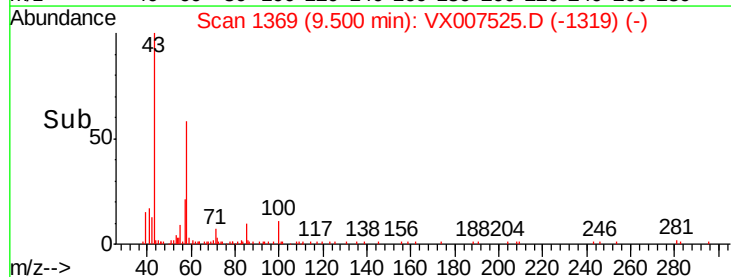
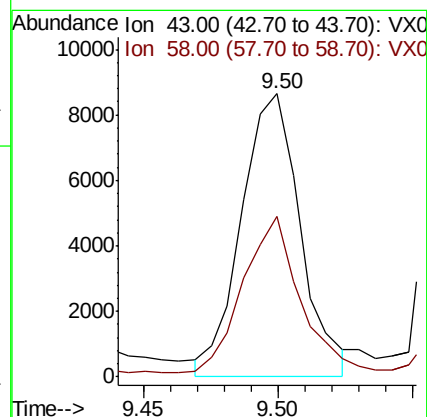
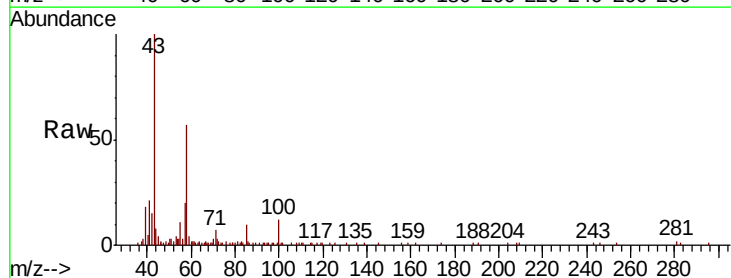
Acq: 13 Feb 2019 17:24

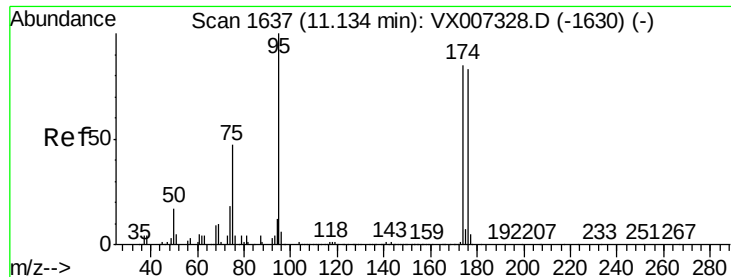
Tgt Ion: 43 Resp: 13149

Ion Ratio Lower Upper

43 100

58 1326.1 27.1 81.3#





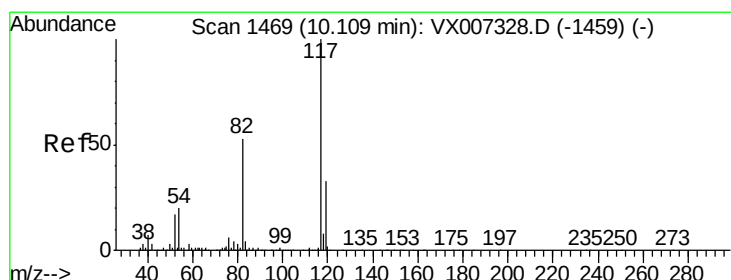
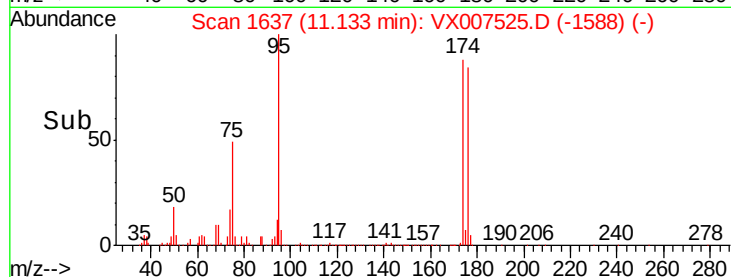
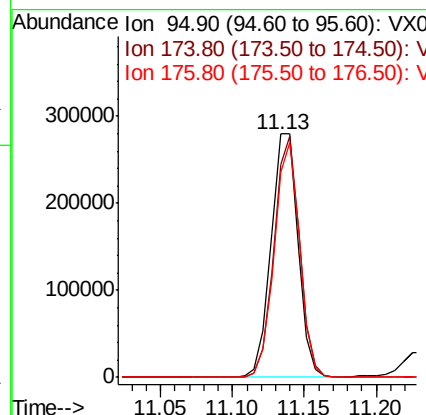
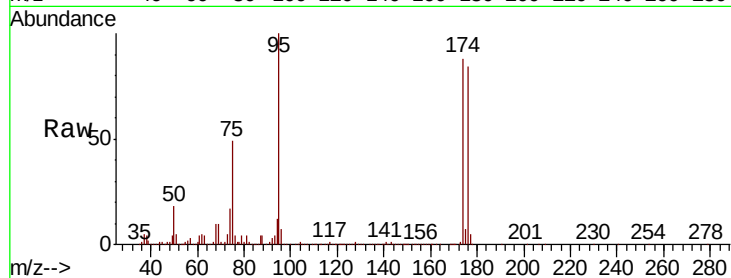
#62
4-Bromofluorobenzene
Concen: 49.672 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4

Tot Ion	Ratio	Resp	Lower	Upper
95	100	363829		
174	93.6	0.0	189.2	
176	90.5	0.0	186.2	

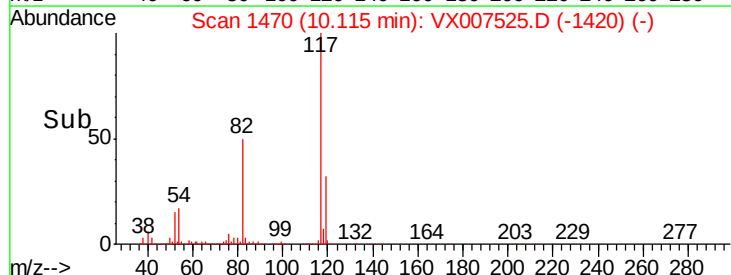
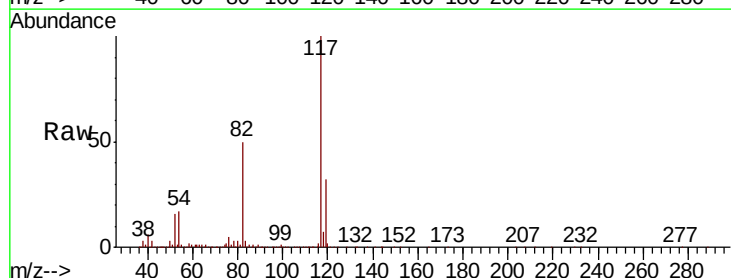
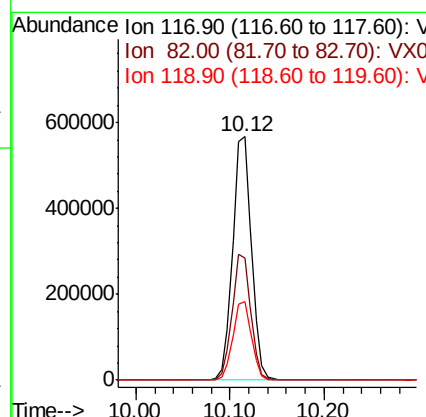
Manual Integrations
APPROVED

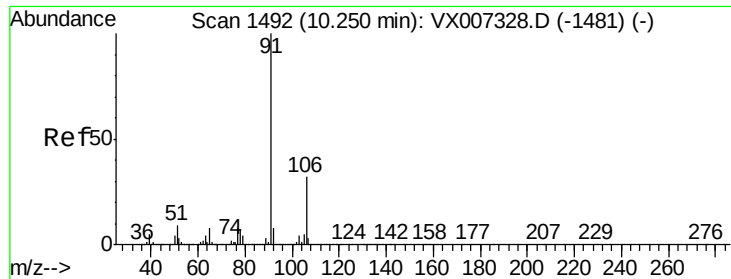
MMDadoda
2/14/2019 10:57:16 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	783380		
82	49.9	42.1	63.1	
119	32.4	26.5	39.7	





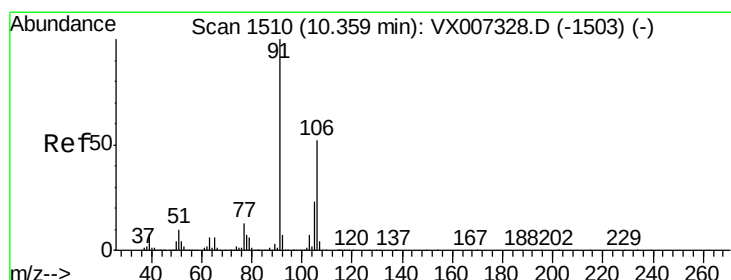
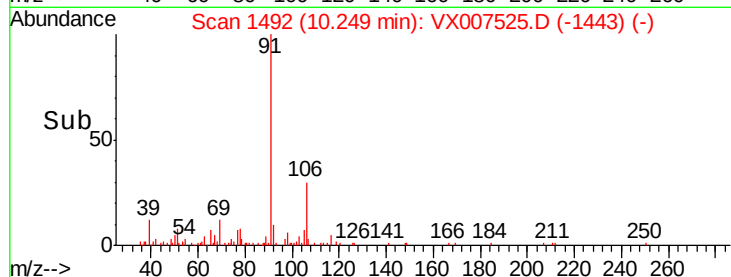
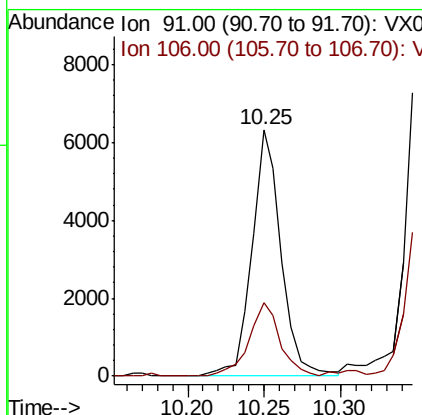
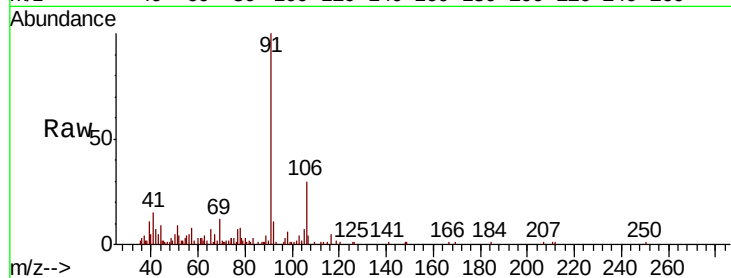
#67
Ethyl Benzene
Concen: 0.304 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.4	38.0

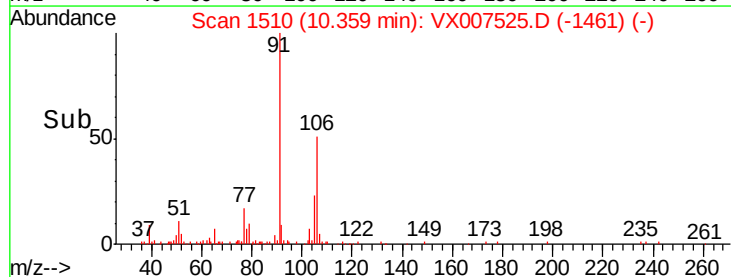
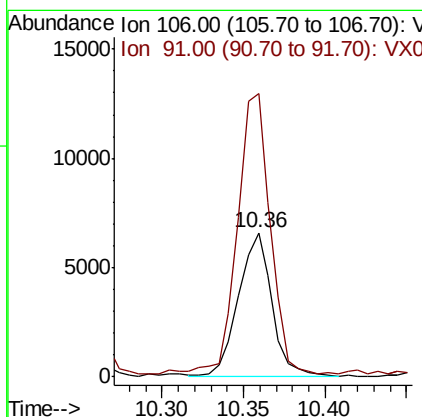
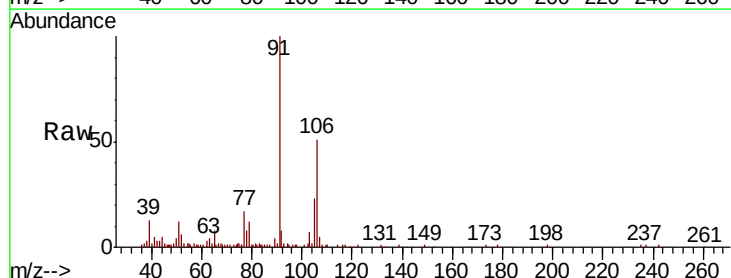
Manual Integrations
APPROVED

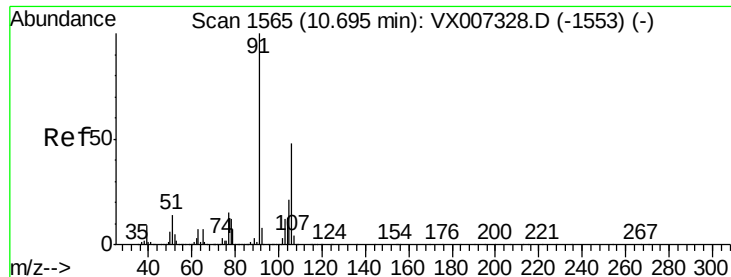
MMDadoda
2/14/2019 10:57:16 AM



#68
m/p-Xylenes
Concen: 0.867 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.0	156.6	234.8





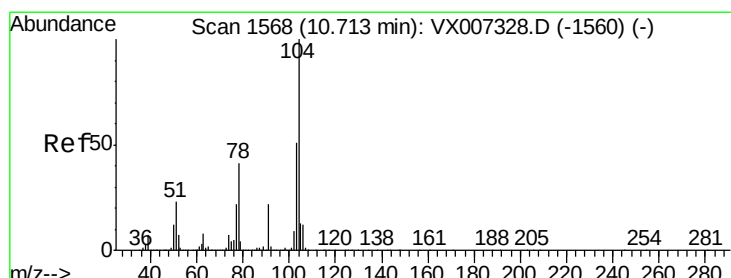
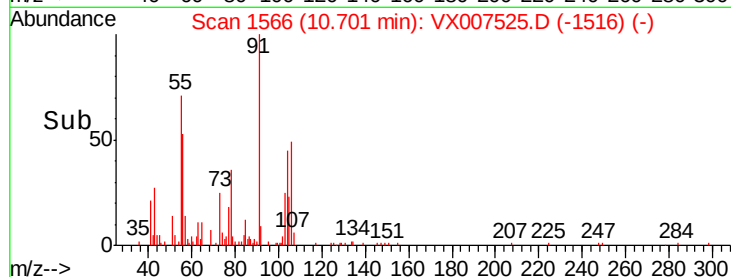
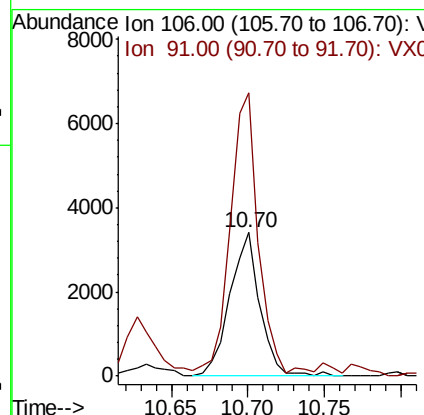
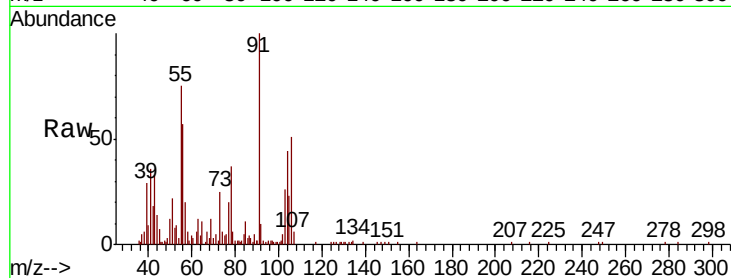
#69
o-Xylene
Concen: 0.443 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Instrument :
MSVOA_X
ClientSampleId :
TEST-PIT-4

Tot Ion	Ratio	Lower	Upper
106	100		
91	180.2	102.9	308.7

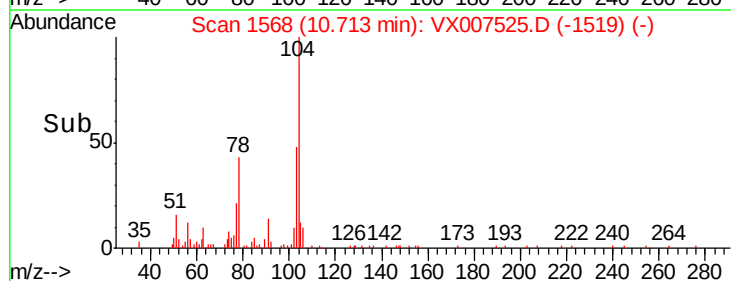
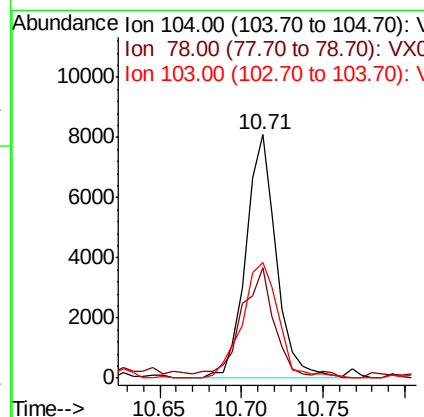
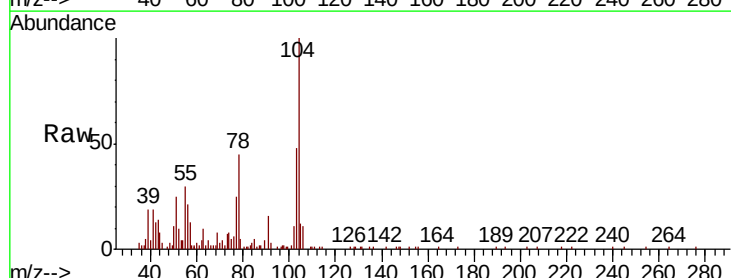
Manual Integrations
APPROVED

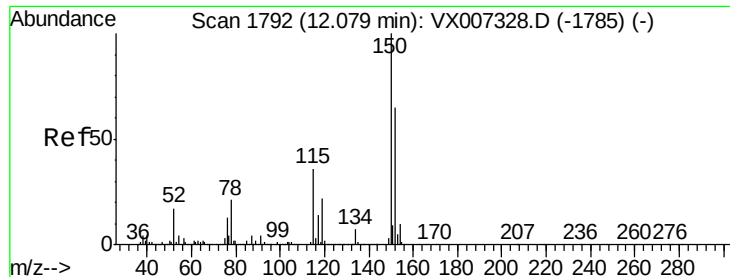
MMDadoda
2/14/2019 10:57:16 AM



#70
Styrene
Concen: 0.618 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.4	38.3	57.5
103	56.8	44.6	67.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007525.D

Acq: 13 Feb 2019 17:24

Instrument :

MSVOA_X

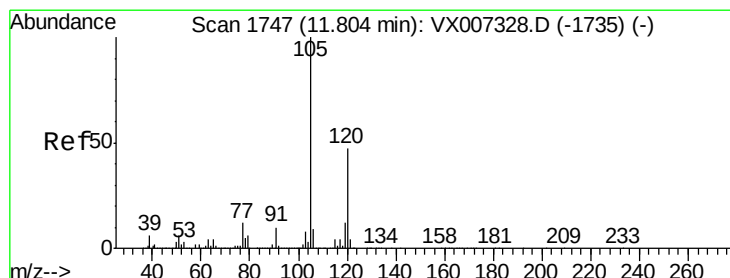
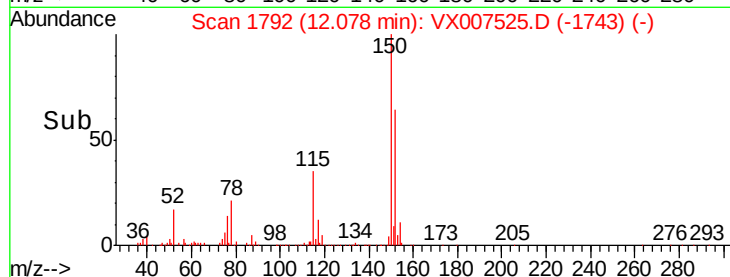
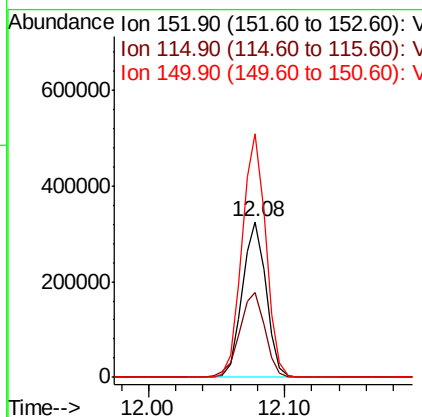
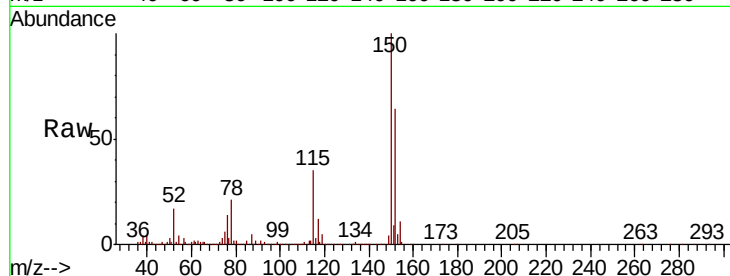
ClientSampleId :

TEST-PIT-4

Tot Ion:	152	Resp:	395150
Ion Ratio	Lower	Upper	
152	100		
115	58.3	38.0	114.0
150	156.5	0.0	346.4

Manual Integrations
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MMDadoda
2/14/2019 10:57:16 AM



#84

1,2,4-Trimethylbenzene

Concen: 6.038 ug/l

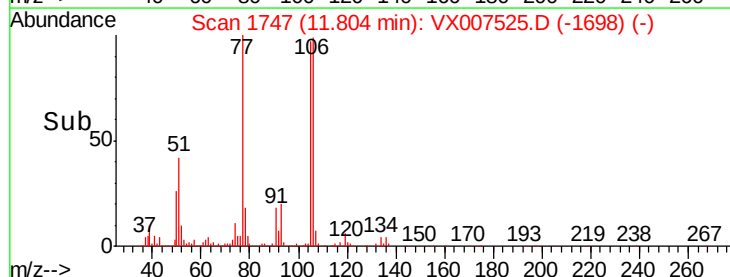
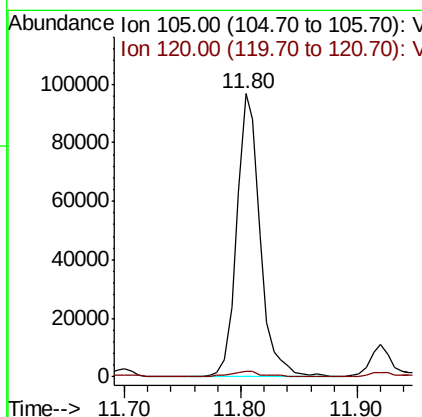
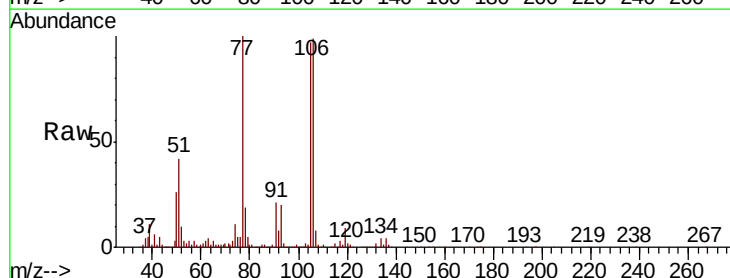
RT: 11.80 min Scan# 1747

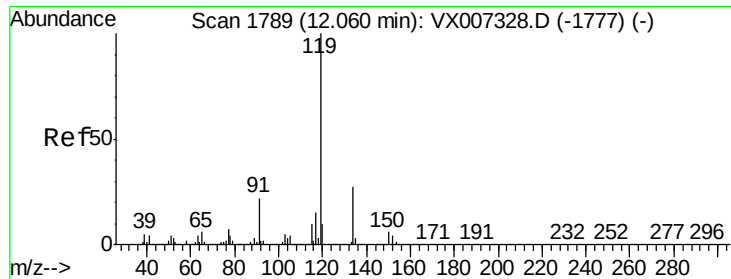
Delta R.T. -0.00 min

Lab File: VX007525.D

Acq: 13 Feb 2019 17:24

Tgt Ion:	105	Resp:	134676
Ion Ratio	Lower	Upper	
105	100		
120	3.0	23.1	69.3#





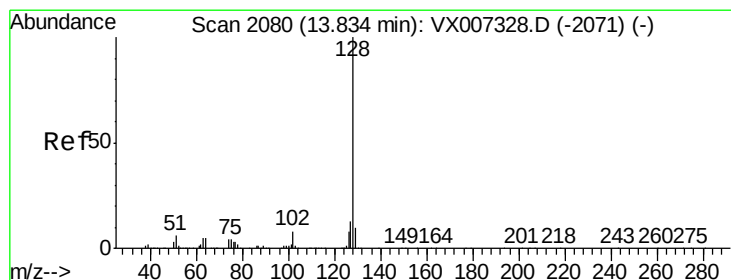
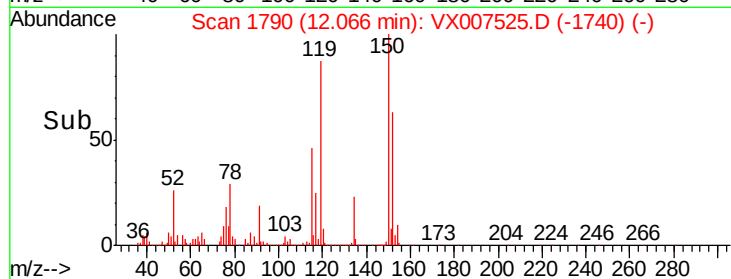
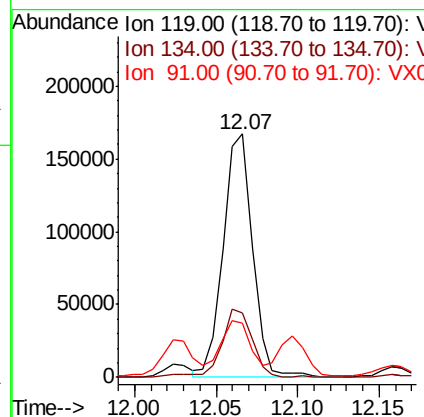
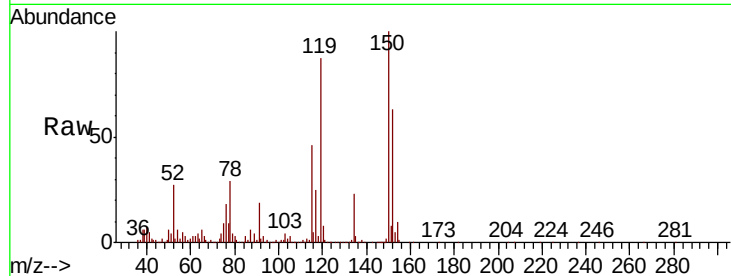
#86
p-Isopropyltoluene
Concen: 8.850 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Instrument :
MSVOA_X
ClientSampled :
TEST-PIT-4

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210305		
134	30.1		13.7	41.1
91	22.8		11.2	33.5

Manual Integrations
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2/14/2019 10:57:16 AM



#95
Naphthalene
Concen: 0.308 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX007525.D
Acq: 13 Feb 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	8211		
127	15.4		10.5	15.7
129	14.4		8.7	13.1#

