

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091418\
 Data File : VX004562.D
 Acq On : 15 Sep 2018 04:30
 Operator : JC/MD
 Sample : J4925-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0256

Manual Integrations
 APPROVED

MMDadoda
 9/17/2018 5:09:30 PM

Quant Time: Sep 15 06:32:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	383493	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197807	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	171653	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	5.51	113	156229	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
50) Toluene-d8	8.71	98	542225	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
62) 4-Bromofluorobenzene	11.14	95	185840	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	
Target Compounds						
16) Acetone	2.44	43	3768	2.09	ug/l	98
31) Cyclohexane	5.57	56	538042	100.70	ug/l	95
39) Methylcyclohexane	7.46	83	2226728	458.32	ug/l	97
40) Benzene	6.15	78	4665	0.34	ug/l	97
67) Ethyl Benzene	10.25	91	35966	2.61	ug/l	99
73) Isopropylbenzene	11.02	105	618012	47.44	ug/l	100
78) n-propylbenzene	11.36	91	795581	53.11	ug/l	99
83) tert-Butylbenzene	11.77	119	20503	1.97	ug/l	90
84) 1,2,4-Trimethylbenzene	11.81	105	75954	6.79	ug/l	99
85) sec-Butylbenzene	11.94	105	146839	11.05	ug/l	82
86) p-Isopropyltoluene	12.07	119	8978m	0.77	ug/l	
89) n-Butylbenzene	12.39	91	73811	6.90	ug/l #	74
95) Naphthalene	13.83	128	762682	56.48	ug/l	98

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

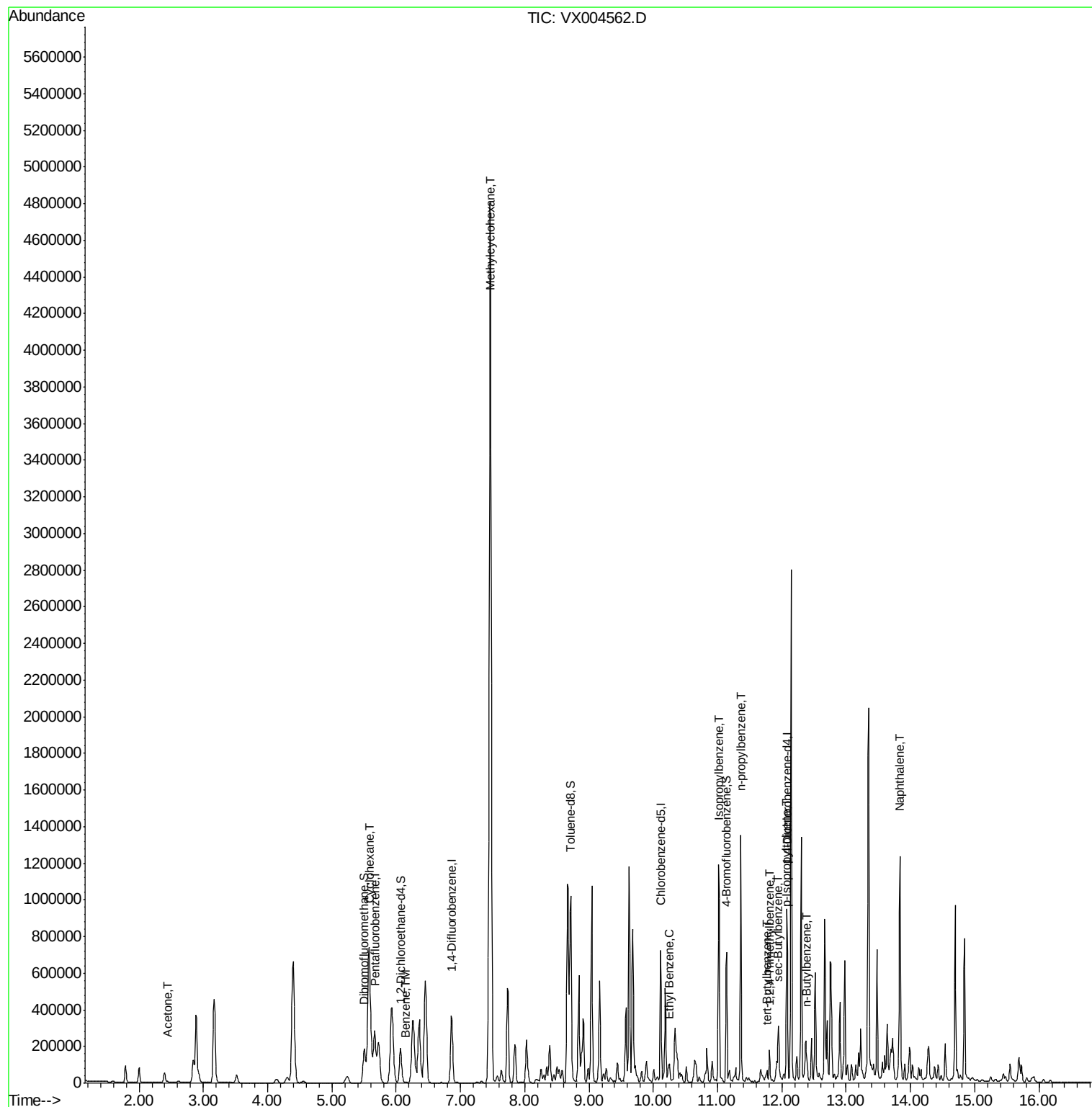
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091418\
Data File : VX004562.D
Acq On : 15 Sep 2018 04:30
Operator : JC/MD
Sample : J4925-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 36 Sample Multiplier: 1

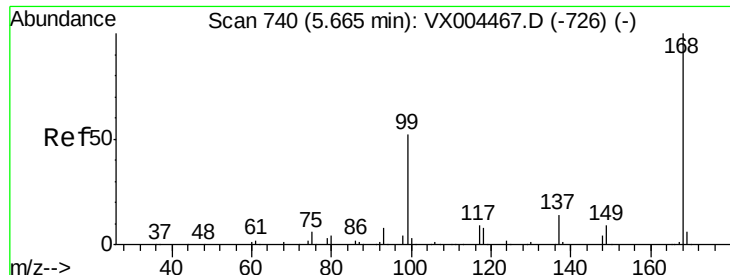
Instrument :
MSVOA_X
ClientSampleId :
S13-0256

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:30 PM

Quant Time: Sep 15 06:32:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

S13-0256

Tot Ion:168 Resp: 286467

Ion Ratio Lower Upper

168 100

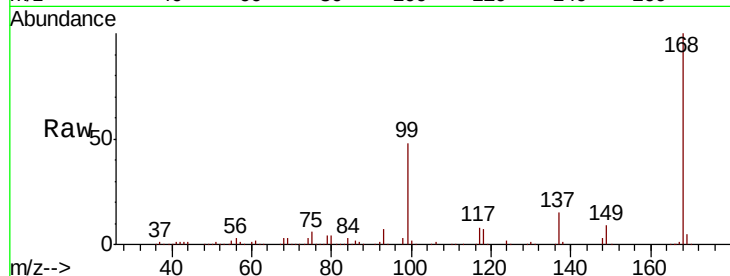
99 48.0 39.9 59.9

Manual Integrations

APPROVED

MMDadoda

9/17/2018 5:09:30 PM



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

5.67

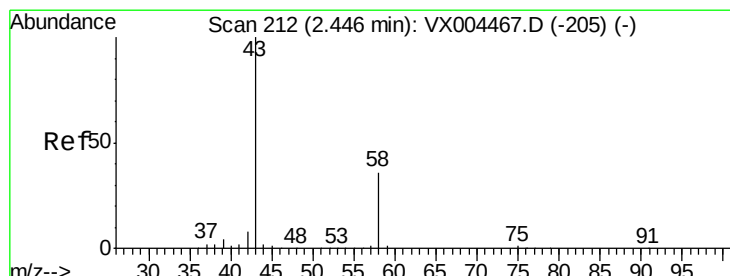
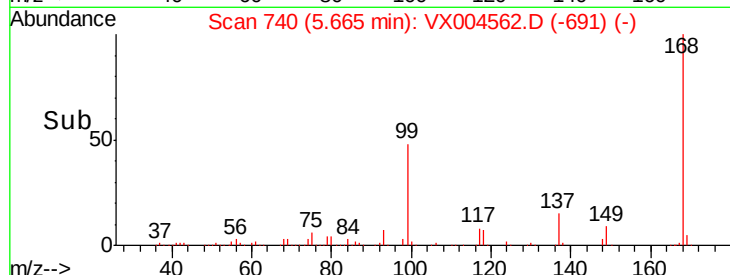
5.50

5.60

5.70

5.80

Time-->



#16

Acetone

Concen: 2.09 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004562.D

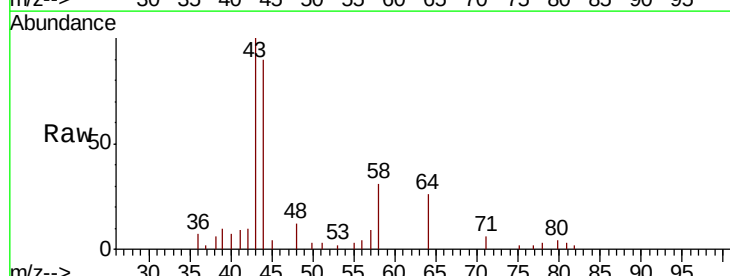
Acq: 15 Sep 2018 04:30

Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

58 31.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

12000

10000

8000

6000

4000

2000

0

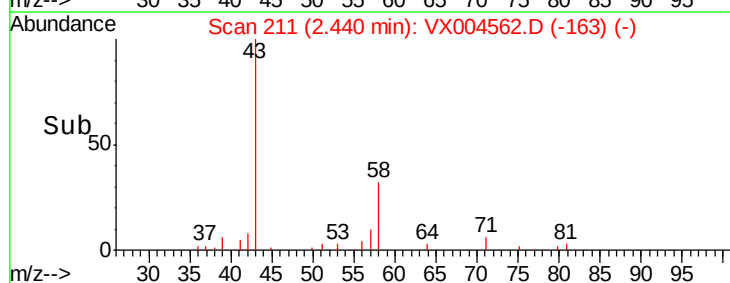
2.44

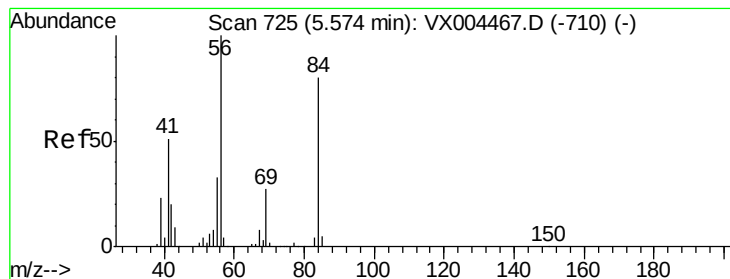
2.40

2.45

2.50

Time-->





#31

Cyclohexane

Concen: 100.70 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

S13-0256

Tot Ion: 56 Resp: 538042

Ion Ratio Lower Upper

56 100

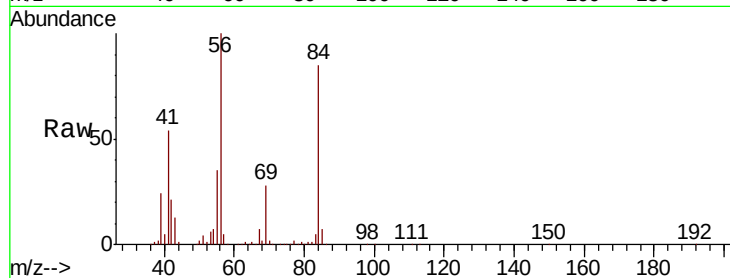
69 28.4 25.4 38.2

84 84.8 71.4 107.2

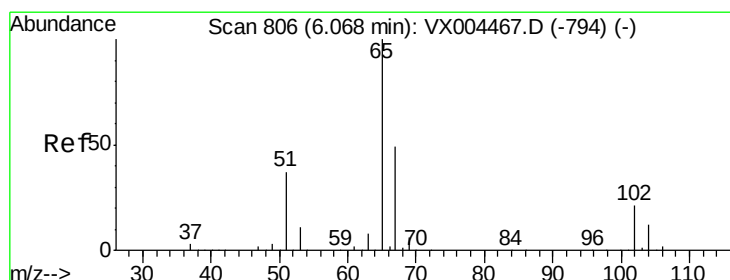
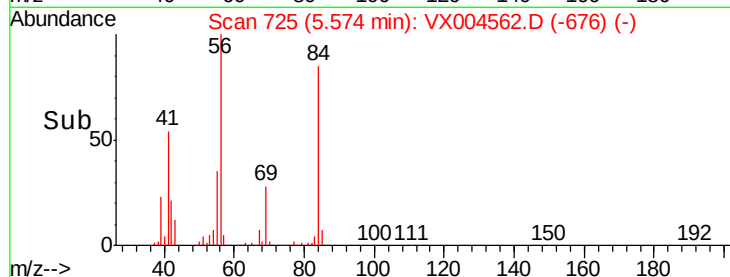
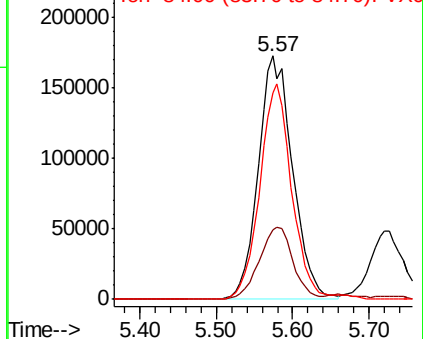
Manual Integrations
APPROVED

MMDadoda

9/17/2018 5:09:30 PM



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.47 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX004562.D

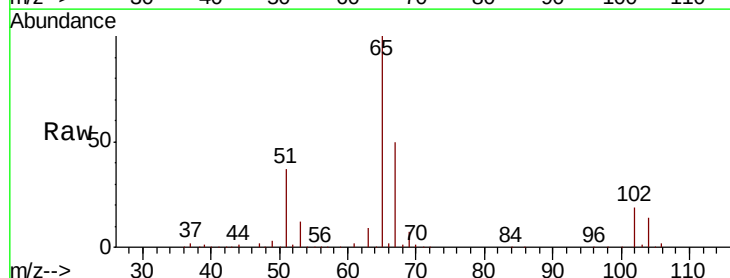
Acq: 15 Sep 2018 04:30

Tgt Ion: 65 Resp: 171653

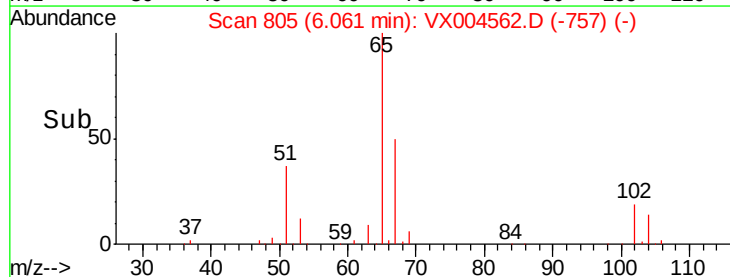
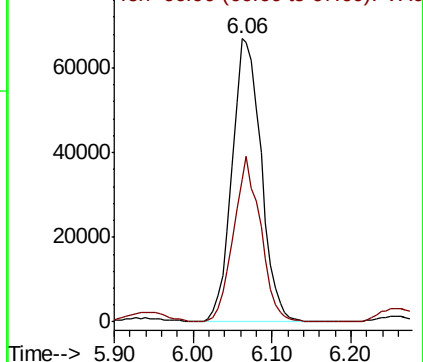
Ion Ratio Lower Upper

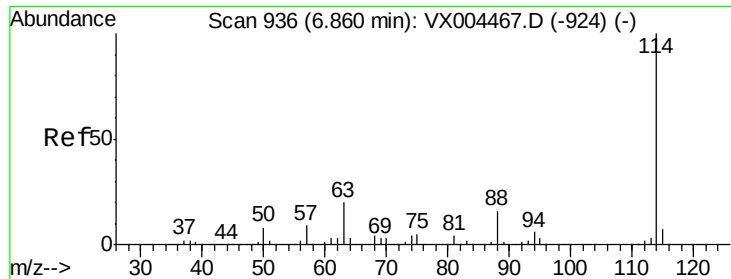
65 100

67 54.4 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





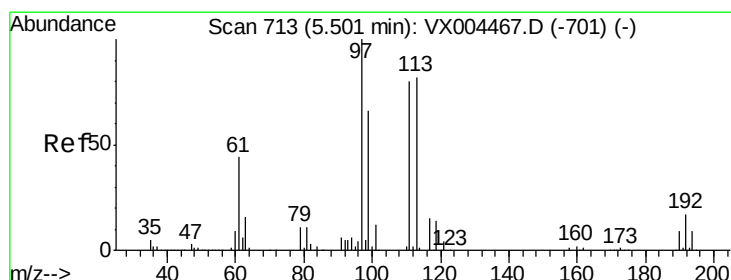
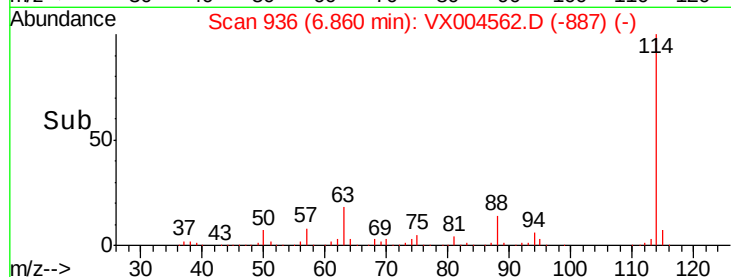
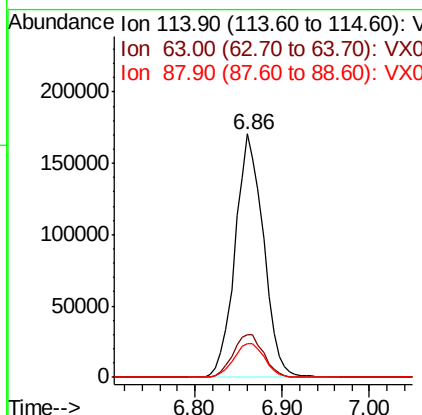
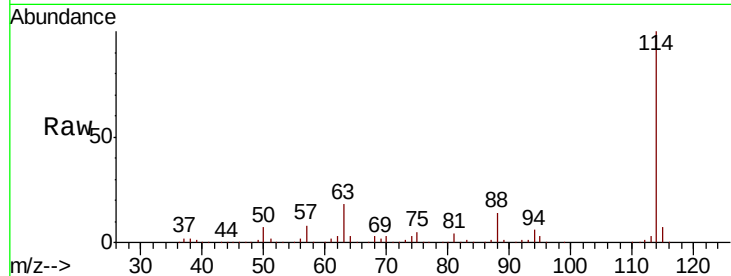
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

Instrument :
 MSVOA_X
 ClientSampleId :
 S13-0256

Tot Ion	Ratio	Resp	Lower	Upper
114	100	383493		
63	17.7	0.0	39.0	
88	13.8	0.0	30.4	

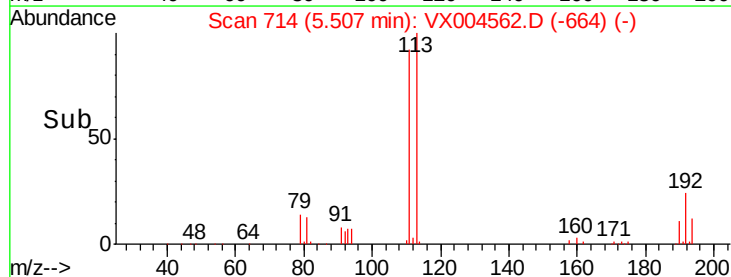
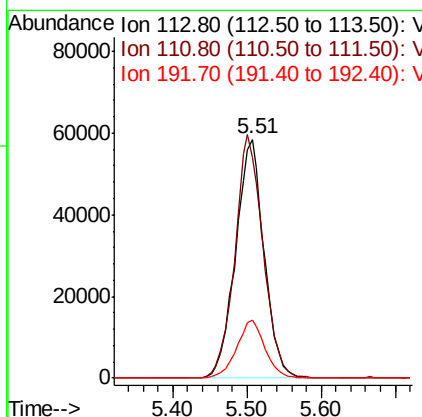
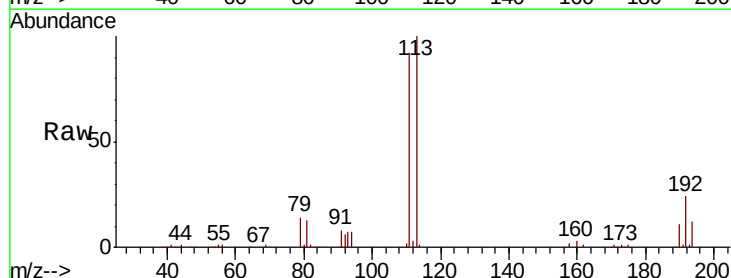
Manual Integrations
 APPROVED

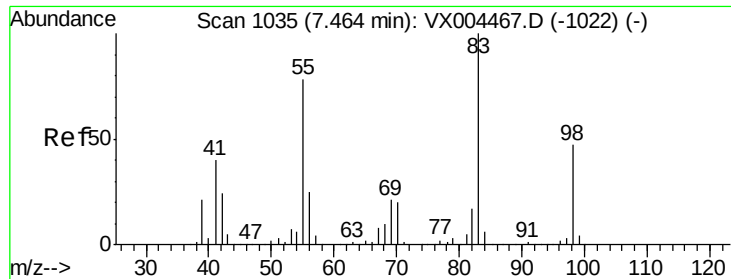
MMDadoda
 9/17/2018 5:09:30 PM



#35
 Dibromofluoromethane
 Concen: 44.52 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004562.D
 Acq: 15 Sep 2018 04:30

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	156229		
111	101.1	82.4	123.6	
192	24.1	19.4	29.2	





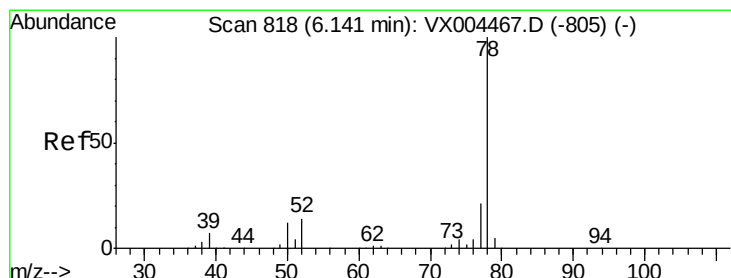
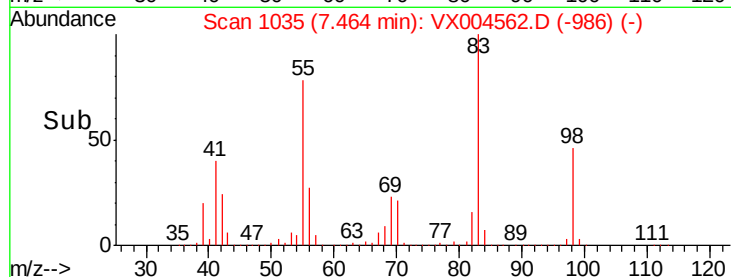
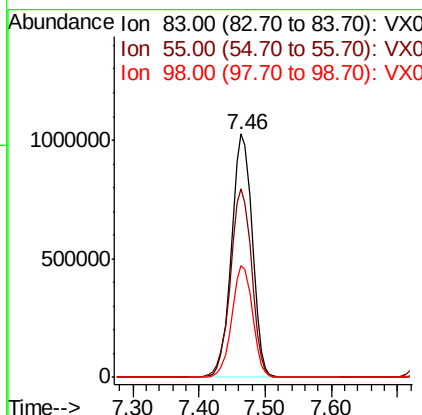
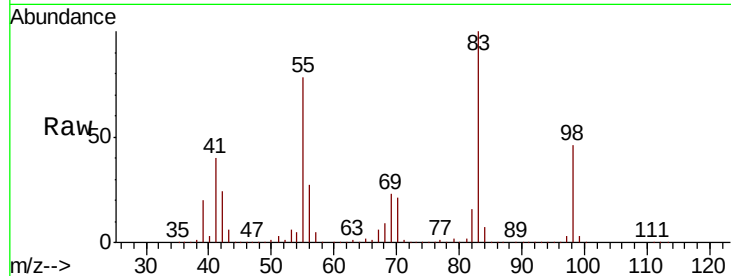
#39
Methylvlcyclohexane
Concen: 458.32 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampled :
S13-0256

Tot Ion: 83 Resp: 2226728
Ion Ratio Lower Upper
83 100
55 77.6 61.0 91.4
98 45.8 39.6 59.4

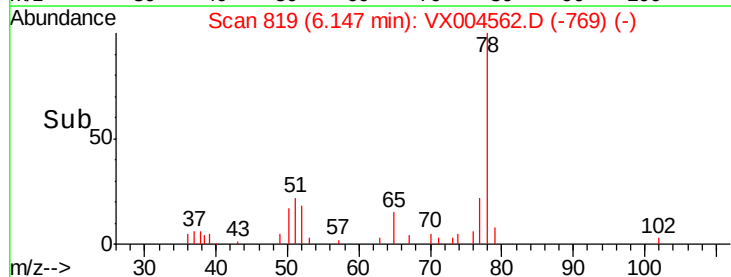
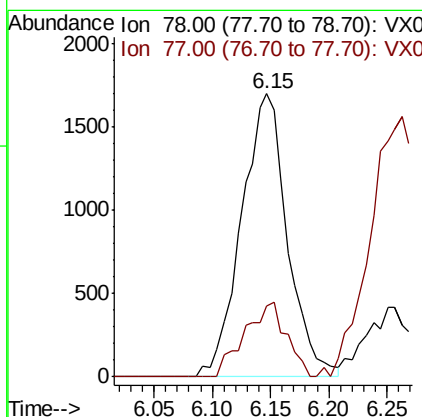
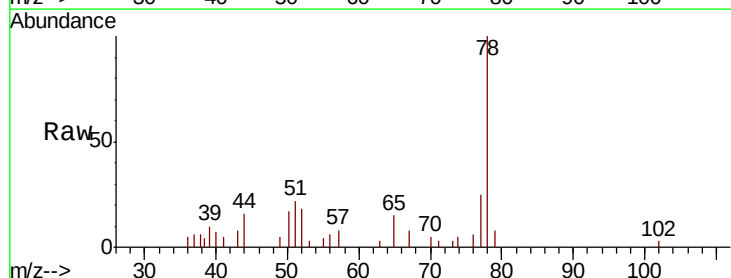
Manual Integrations
APPROVED

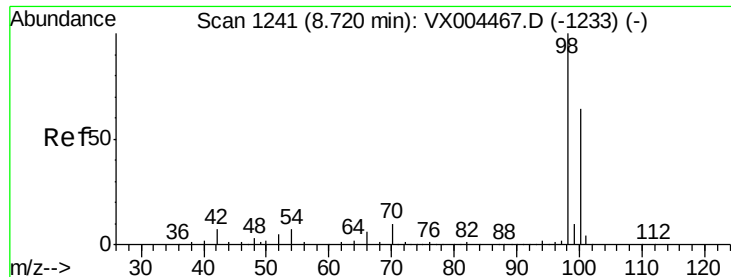
MMDadoda
9/17/2018 5:09:30 PM



#40
Benzene
Concen: 0.34 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 78 Resp: 4665
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.4





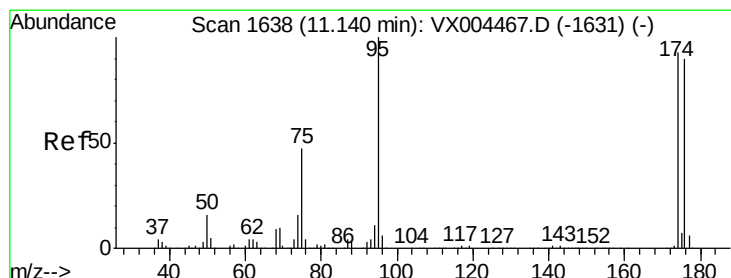
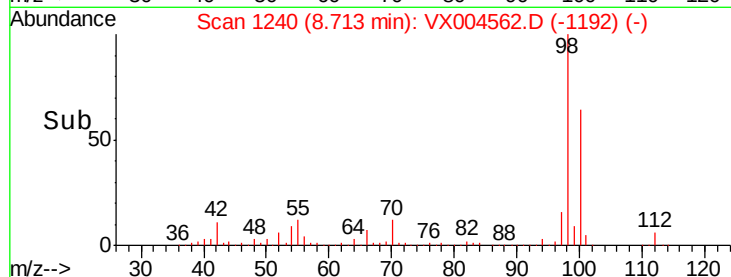
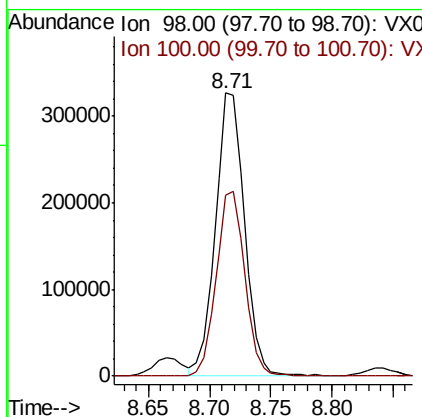
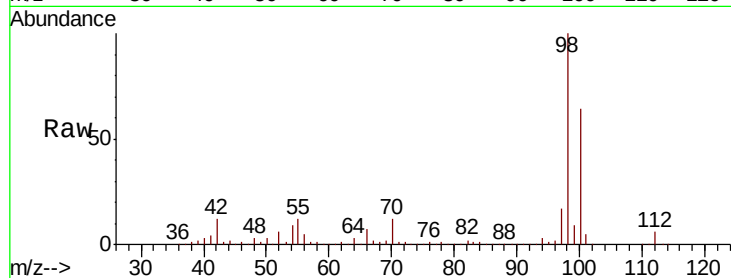
#50
Toluene-d8
Concen: 46.07 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampleId :
S13-0256

Tot Ion: 98 Resp: 542225
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3

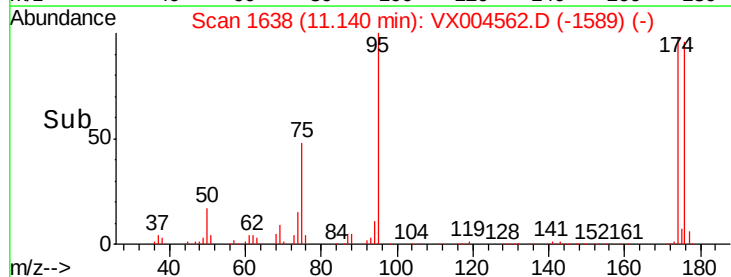
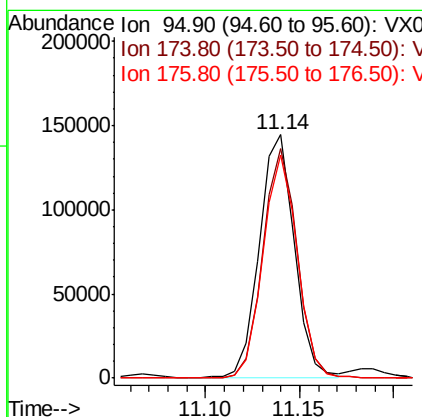
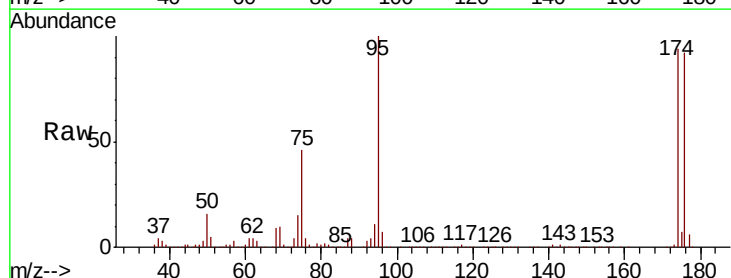
Manual Integrations
APPROVED

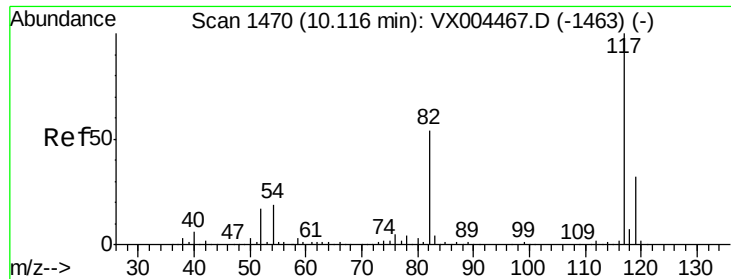
MMDadoda
9/17/2018 5:09:30 PM



#62
4-Bromofluorobenzene
Concen: 44.24 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion: 95 Resp: 185840
Ion Ratio Lower Upper
95 100
174 92.8 0.0 185.2
176 90.2 0.0 178.6





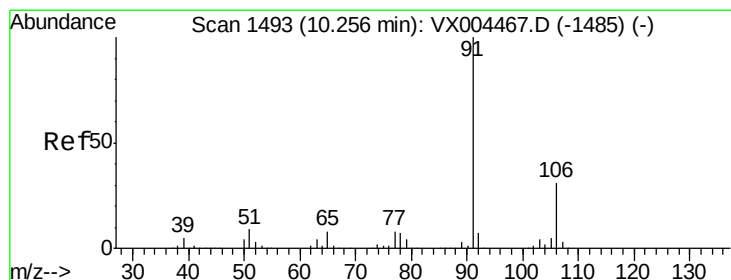
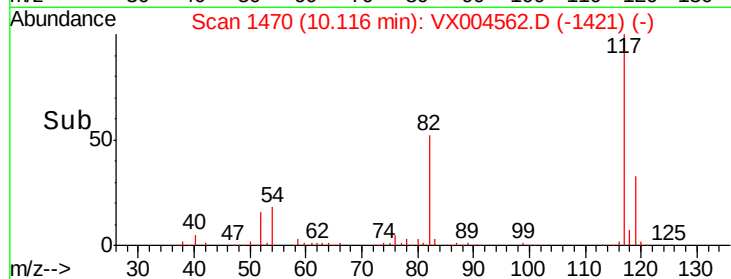
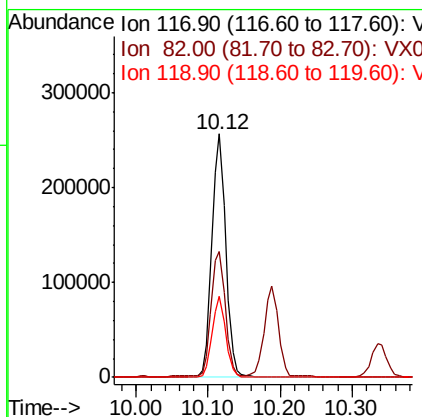
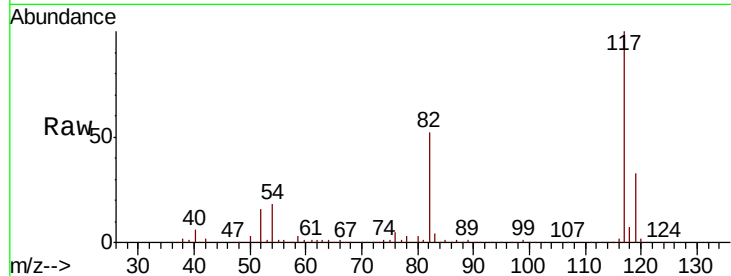
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampleId :
S13-0256

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	47.8	71.6
119	33.2	29.3	43.9

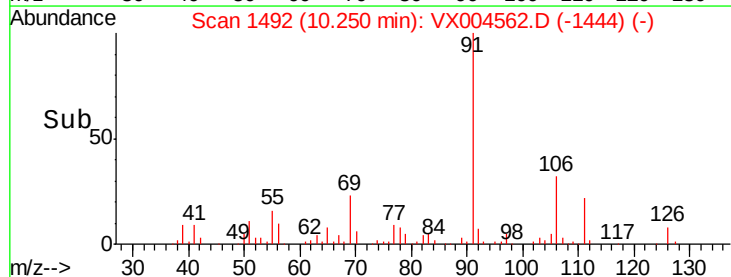
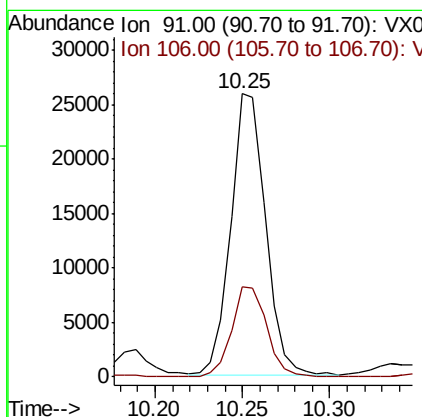
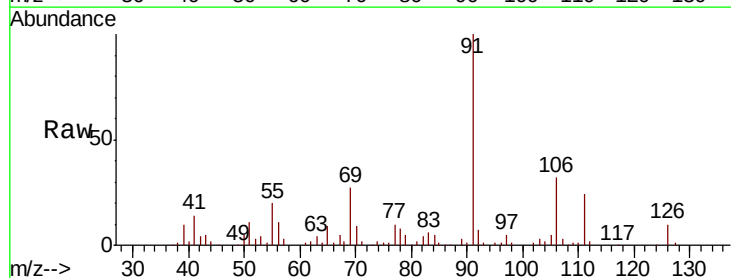
Manual Integrations
APPROVED

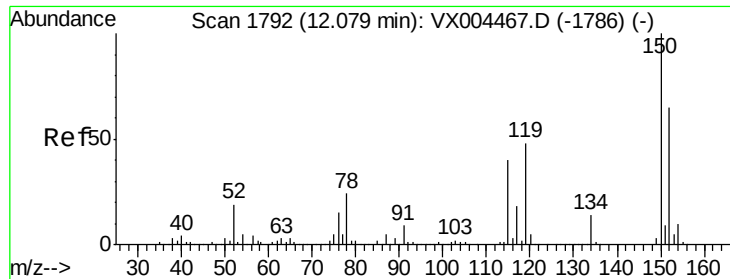
MMDadoda
9/17/2018 5:09:30 PM



#67
Ethyl Benzene
Concen: 2.61 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

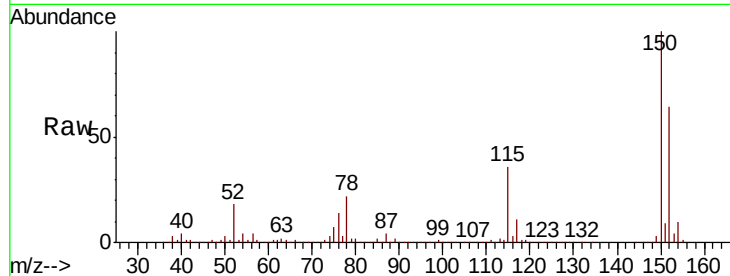
ClientSampleId :

S13-0256

Tot Ion	Ratio	Resp	Lower	Upper
152	100	197807		
115	56.6	39.0	117.0	
150	154.4	0.0	351.0	

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:30 PM

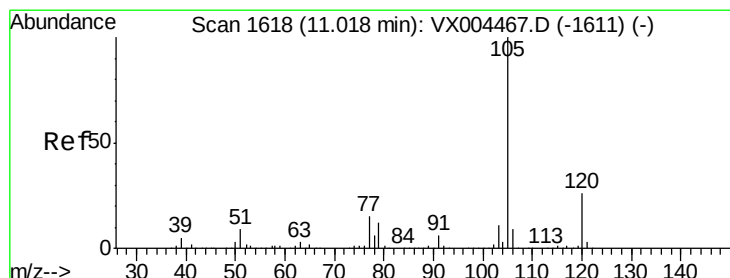
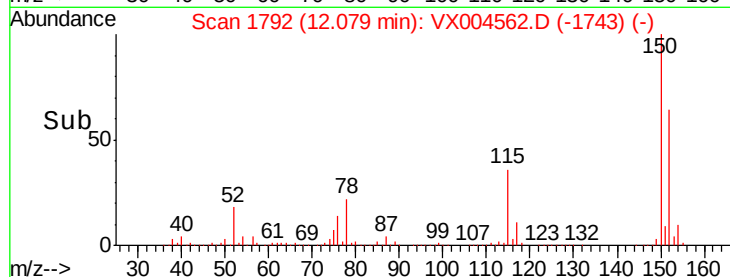
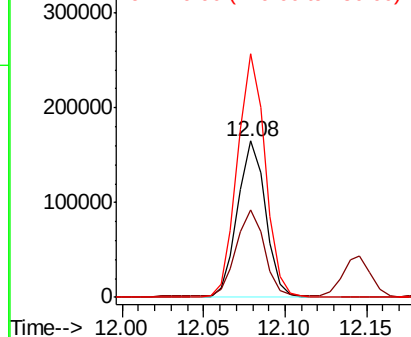


Abundance

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: 47.44 ug/l

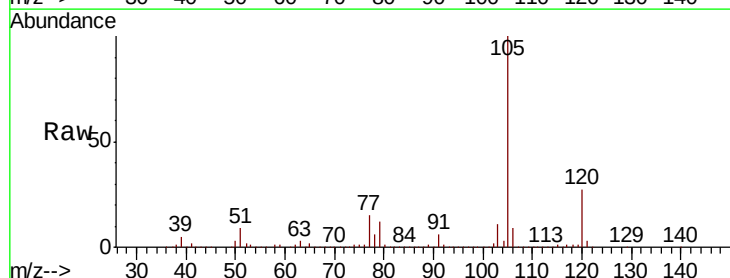
RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

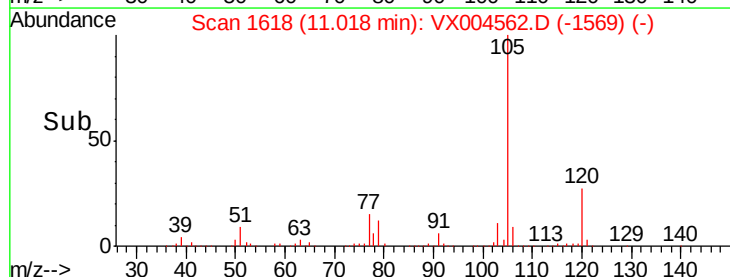
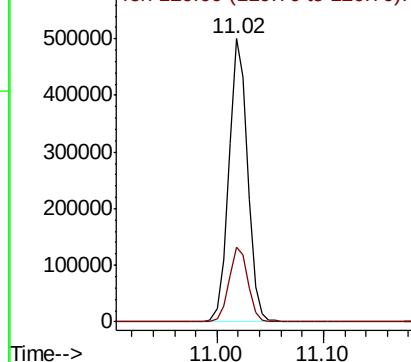
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	618012		
120	26.7	13.5	40.4	

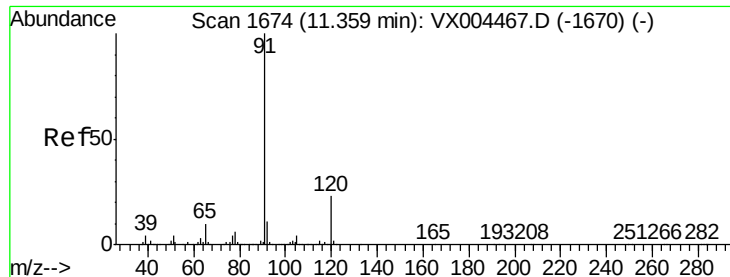


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 53.11 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

Instrument :

MSVOA_X

ClientSampleId :

S13-0256

Tot Ion: 91 Resp: 795581

Ion Ratio Lower Upper

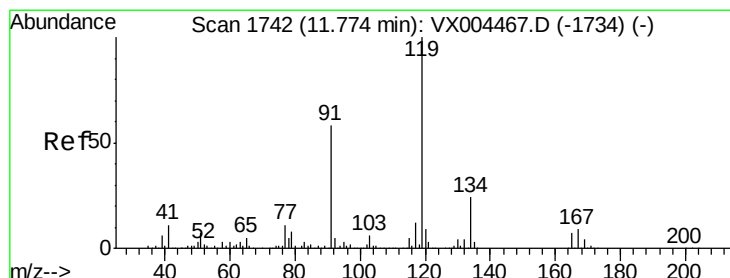
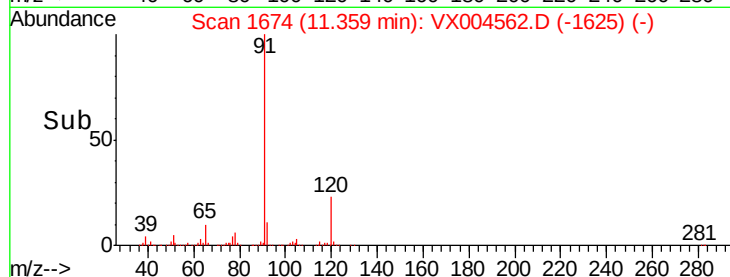
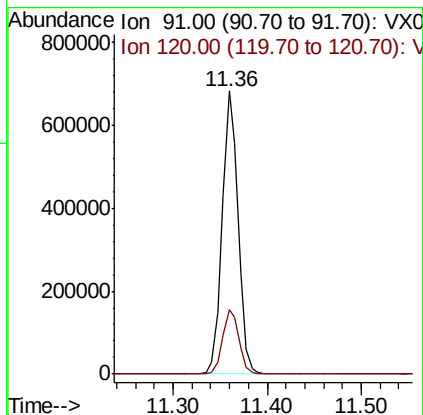
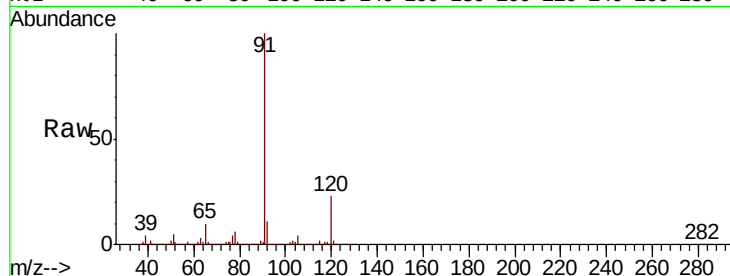
91 100

120 23.3 11.9 35.9

Manual Integrations
APPROVED

MMDadoda

9/17/2018 5:09:30 PM



#83

tert-Butylbenzene

Concen: 1.97 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX004562.D

Acq: 15 Sep 2018 04:30

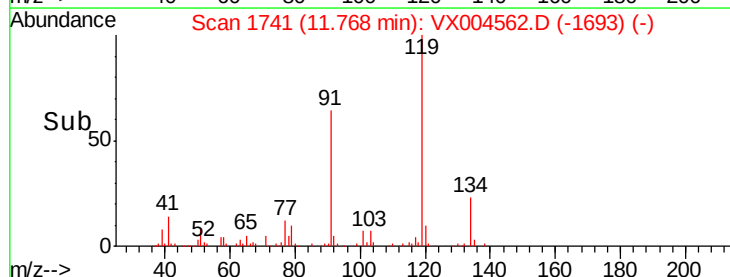
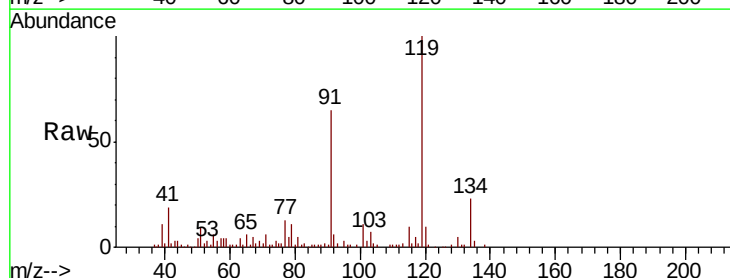
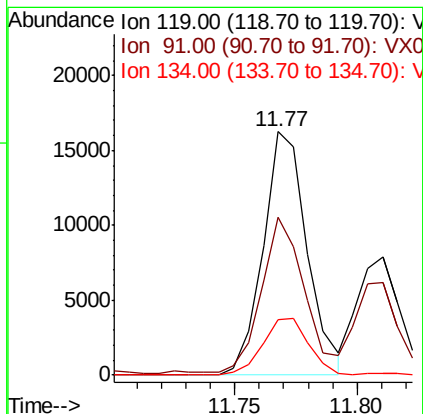
Tgt Ion: 119 Resp: 20503

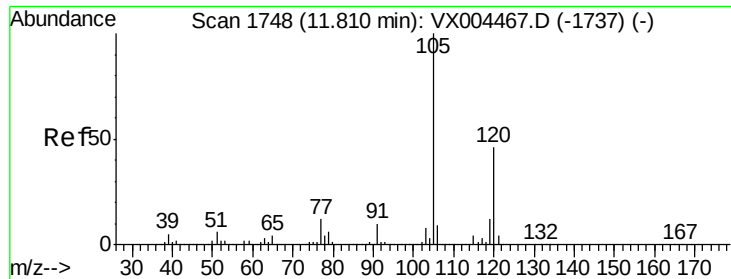
Ion Ratio Lower Upper

119 100

91 63.8 27.0 81.0

134 24.6 11.7 35.1





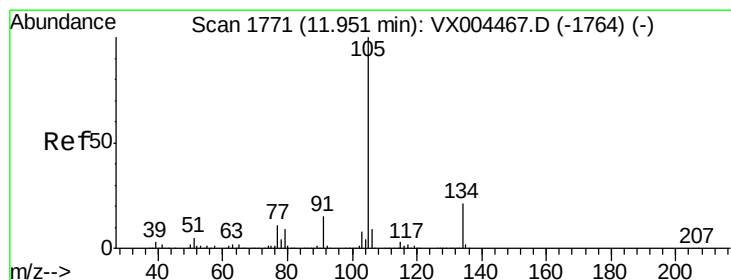
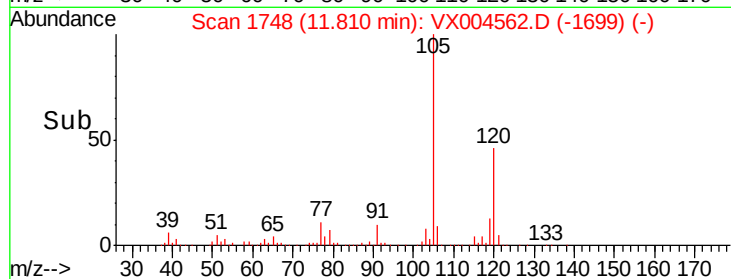
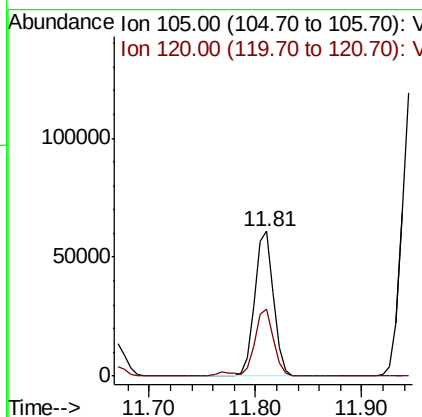
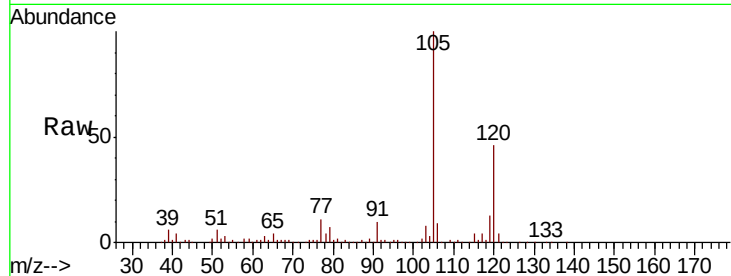
#84
1,2,4-Trimethylbenzene
Concen: 6.79 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampled :
S13-0256

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.2	69.6

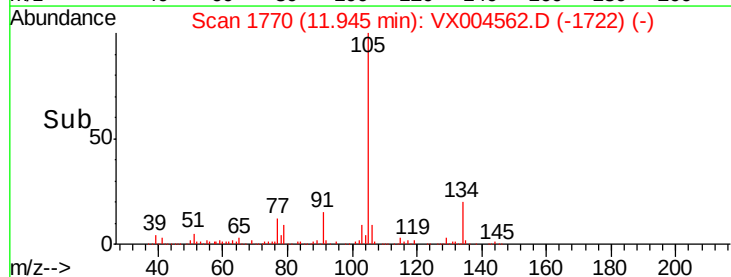
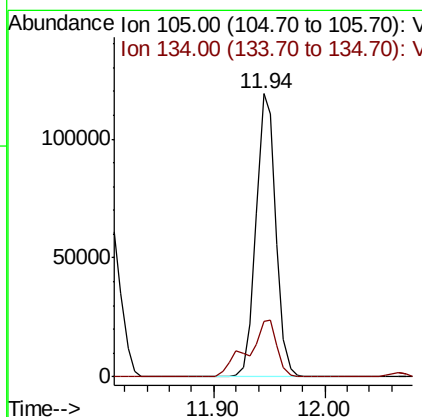
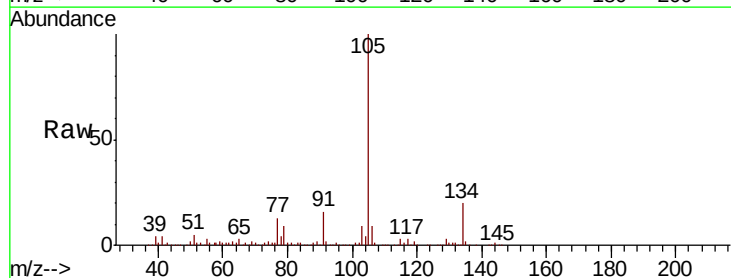
Manual Integrations
APPROVED

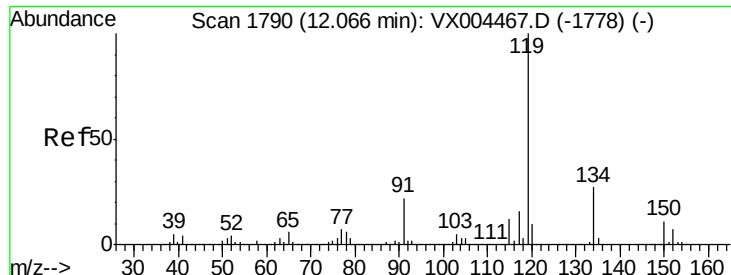
MMDadoda
9/17/2018 5:09:30 PM



#85
sec-Butylbenzene
Concen: 11.05 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.01 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion	Ratio	Lower	Upper
105	100		
134	29.5	10.5	31.5





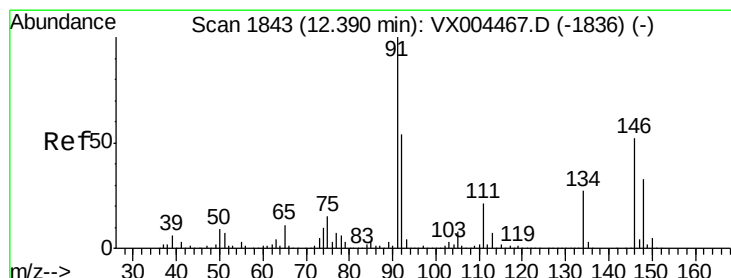
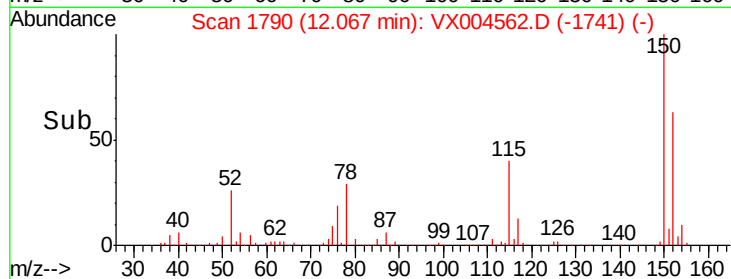
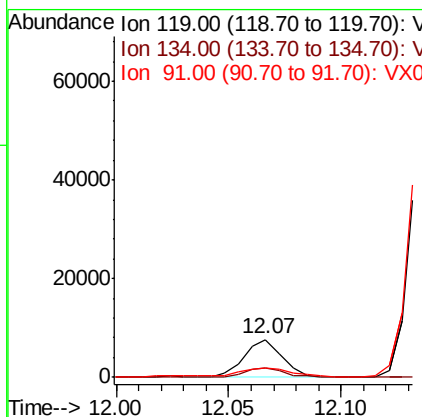
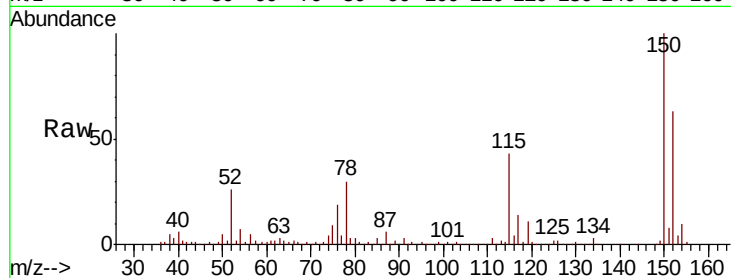
#86
p-Isopropyltoluene
Concen: 0.77 ug/l m
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampleId :
S13-0256

Tot Ion	Ratio	Lower	Upper
119	100		
134	184.2	13.4	40.2#
91	148.5	10.9	32.7#

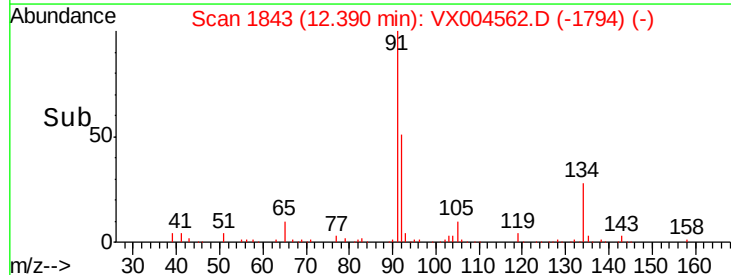
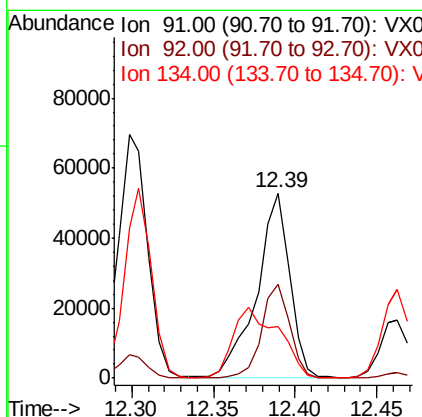
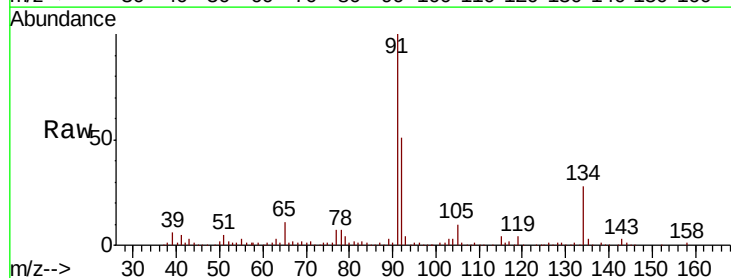
Manual Integrations
APPROVED

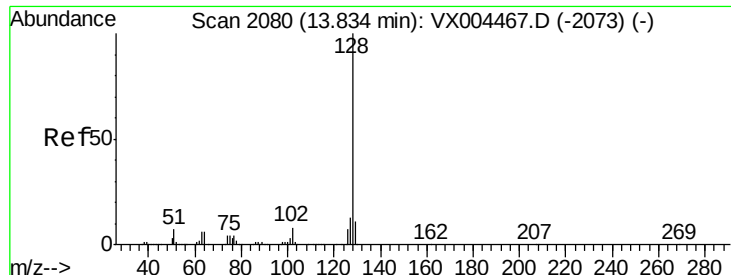
MMDadoda
9/17/2018 5:09:30 PM



#89
n-Butylbenzene
Concen: 6.90 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.3	27.3	81.9
134	52.7	13.6	40.7#





#95
Naphthalene
Concen: 56.48 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX004562.D
Acq: 15 Sep 2018 04:30

Instrument :
MSVOA_X
ClientSampleId :
S13-0256

Tot Ion	Ratio	Resp	Lower	Upper
128	100	762682		
127	13.2		10.2	15.2
129	11.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2018 5:09:30 PM

