

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111618\
 Data File : VX006057.D
 Acq On : 16 Nov 2018 18:28
 Operator : JC/MD
 Sample : J5968-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-111418

Manual Integrations
 APPROVED

MMDadoda
 11/19/2018 12:22:53 PM

Quant Time: Nov 17 02:51:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	150310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	197876	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	181897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	83180	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	81274	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	5.50	113	67302	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	8.71	98	224982	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.14	95	78917	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	4681	5.031	ug/l	92
25) 2-Butanone	4.71	43	2455	1.678	ug/l #	89
31) Cyclohexane	5.57	56	24722	10.270	ug/l #	90
39) Methylcyclohexane	7.46	83	26635	13.776	ug/l	90
52) Toluene	8.79	92	72150	23.214	ug/l	99
67) Ethyl Benzene	10.26	91	1279232	218.926	ug/l	96
68) m/p-Xylenes	10.36	106	588717	264.138	ug/l	98
69) o-Xylene	10.70	106	226042	113.101	ug/l	92
73) Isopropylbenzene	11.02	105	202800	42.160	ug/l	100
78) n-propylbenzene	11.36	91	582927	102.828	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	315401	77.159	ug/l	99
83) tert-Butylbenzene	11.77	119	5817	1.407	ug/l #	40
84) 1,2,4-Trimethylbenzene	11.81	105	1406399	312.393	ug/l	98
85) sec-Butylbenzene	11.94	105	47271	9.348	ug/l	97
86) p-Isopropyltoluene	12.07	119	11469m	2.560	ug/l	
89) n-Butylbenzene	12.39	91	73911	17.803	ug/l #	44
95) Naphthalene	13.83	128	726340	119.694	ug/l	100

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

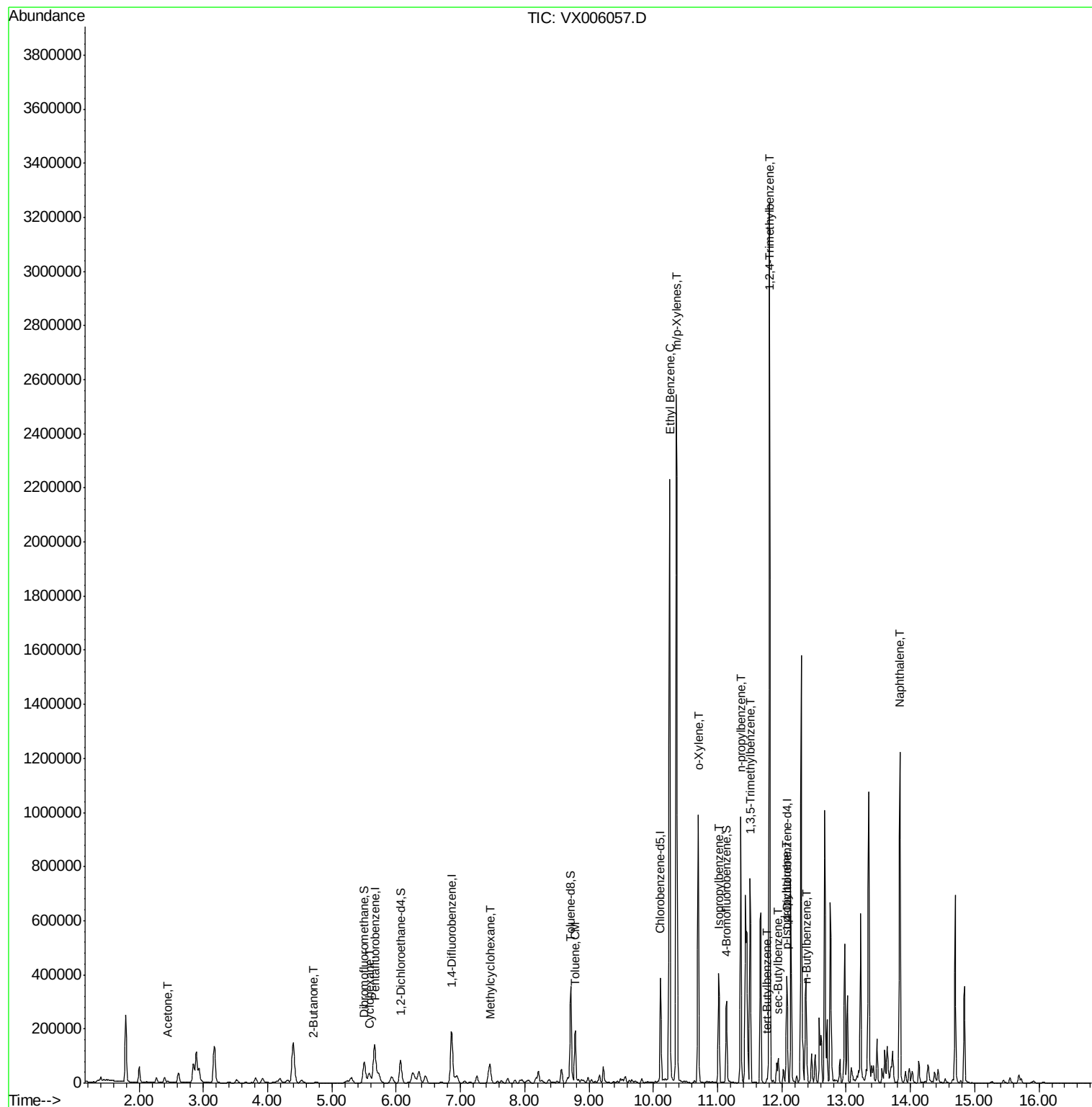
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX111618\
Data File : VX006057.D
Acq On : 16 Nov 2018 18:28
Operator : JC/MD
Sample : J5968-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

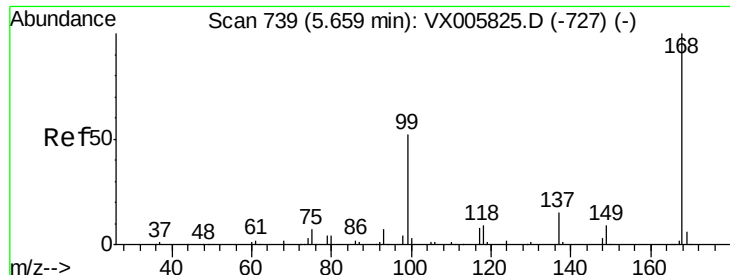
Instrument :
MSVOA_X
ClientSampleId :
MW-2-111418

Quant Time: Nov 17 02:51:10 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:53 PM





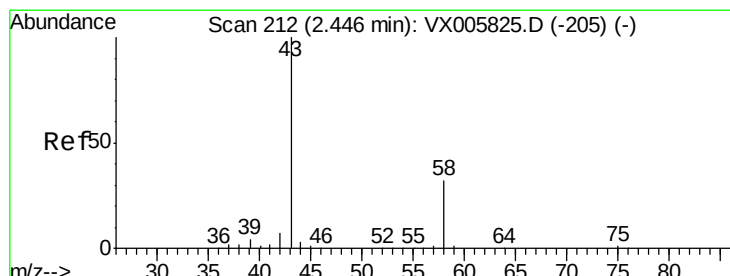
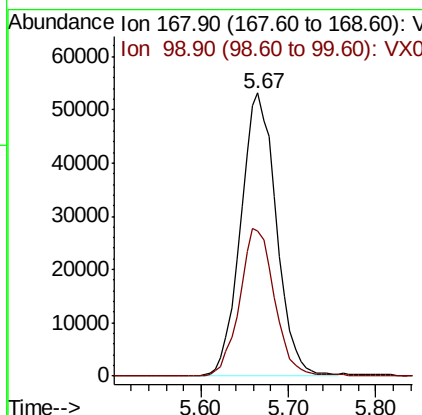
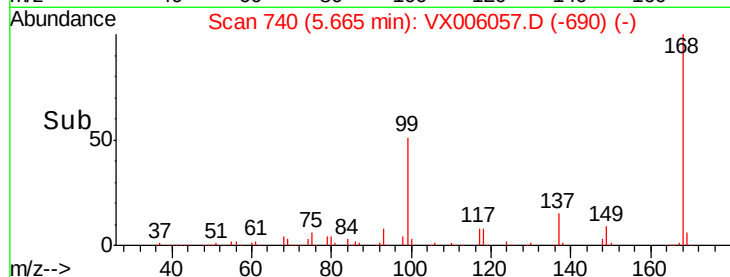
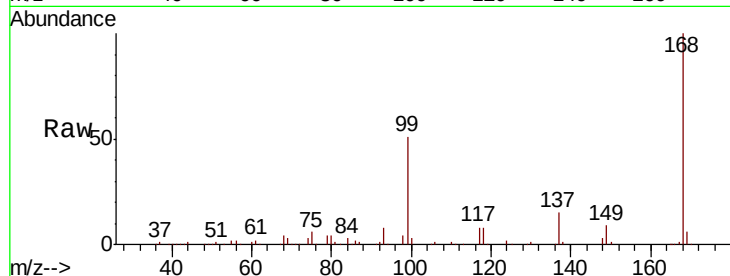
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
MW-2-111418

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.2	40.7	61.1

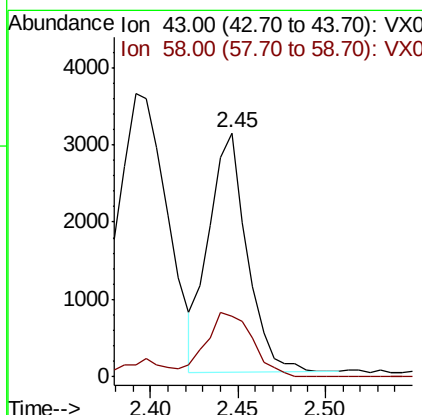
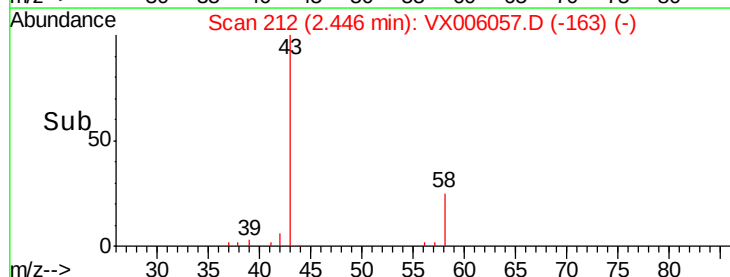
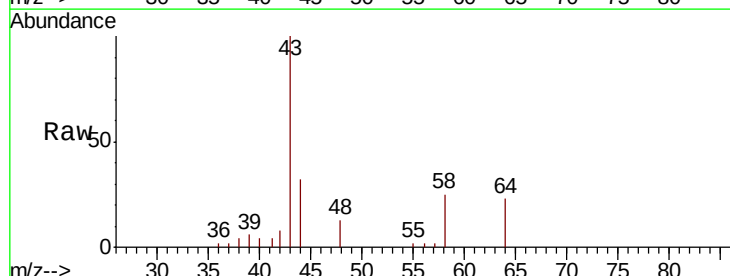
Manual Integrations
APPROVED

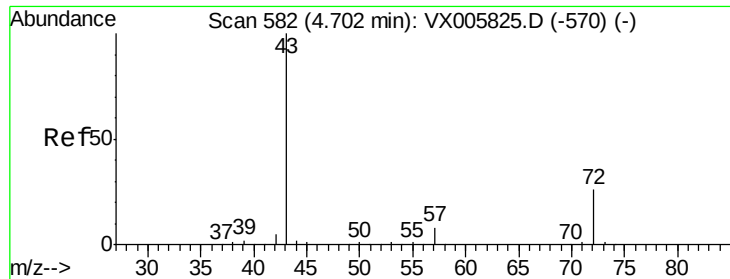
MMDadoda
11/19/2018 12:22:53 PM



#16
Acetone
Concen: 5.031 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.3	23.8	35.6





#25

2-Butanone

Concen: 1.678 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX006057.D

Acq: 16 Nov 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

MW-2-111418

Tot Ion: 43 Resp: 2455

Ion Ratio Lower Upper

43 100

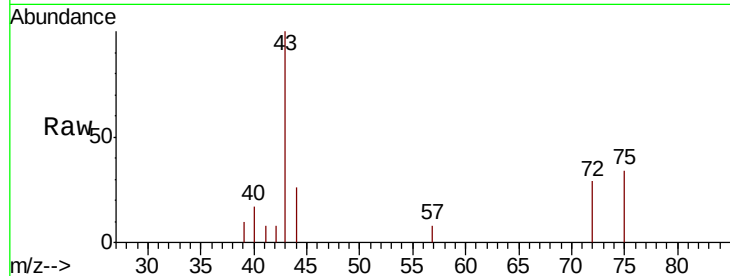
72 29.4 19.2 28.8#

Manual Integrations

APPROVED

MMDadoda

11/19/2018 12:22:53 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

800

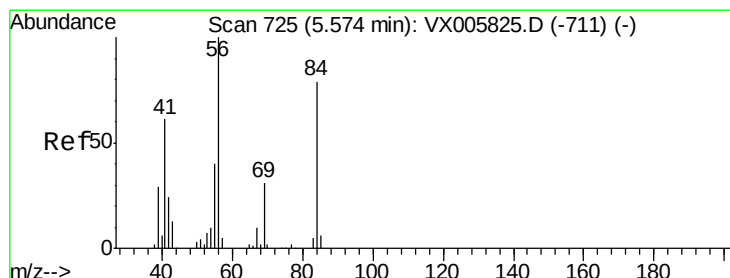
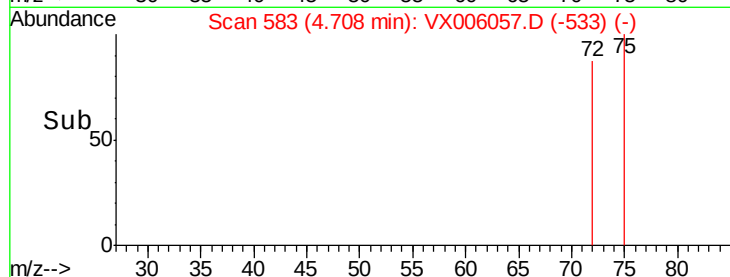
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 10.270 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX006057.D

Acq: 16 Nov 2018 18:28

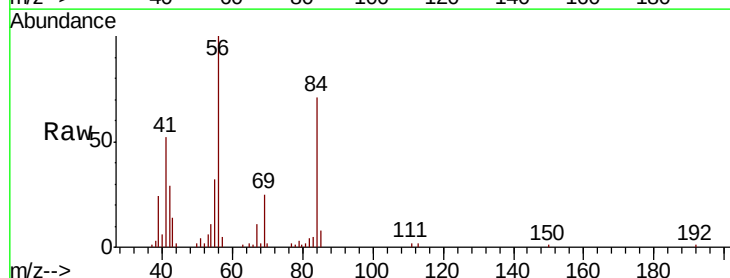
Tgt Ion: 56 Resp: 24722

Ion Ratio Lower Upper

56 100

69 20.3 22.6 34.0#

84 71.6 62.7 94.1



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

10000

8000

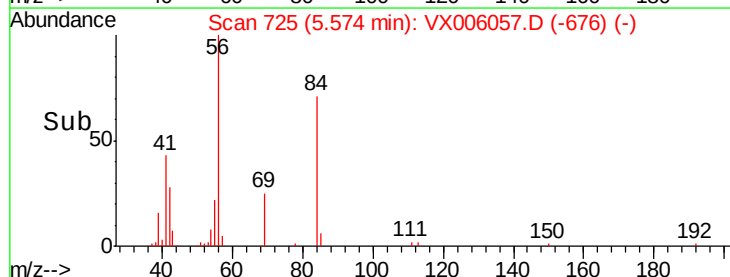
6000

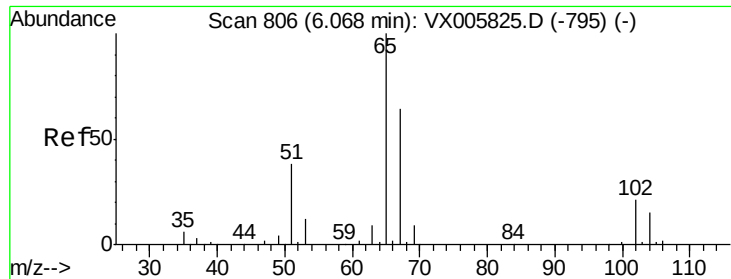
4000

2000

0

Time-->





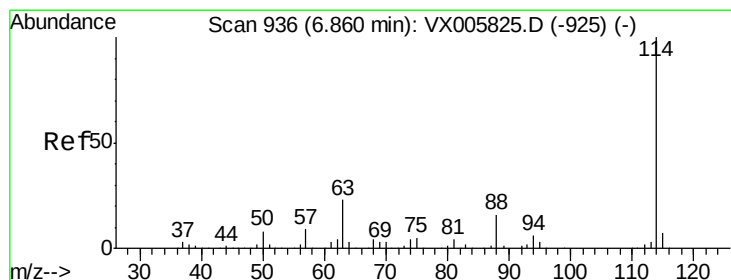
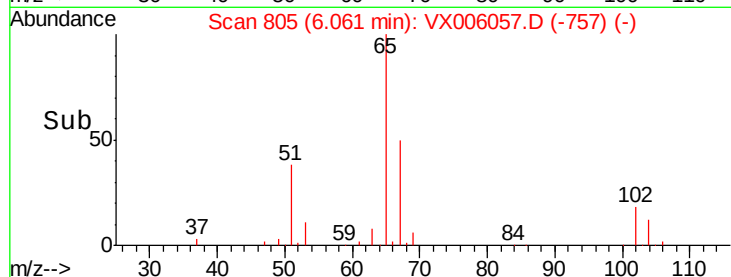
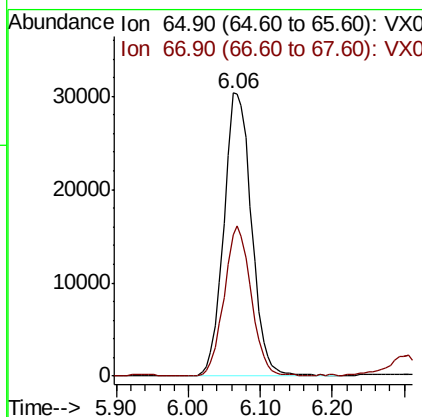
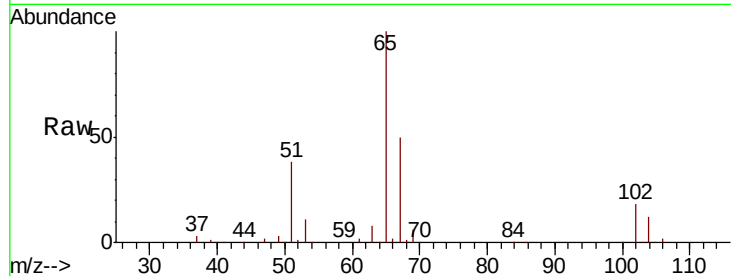
#33
 1,2-Dichloroethane-d4
 Concen: 47.033 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX006057.D
 Acq: 16 Nov 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-111418

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	105.0

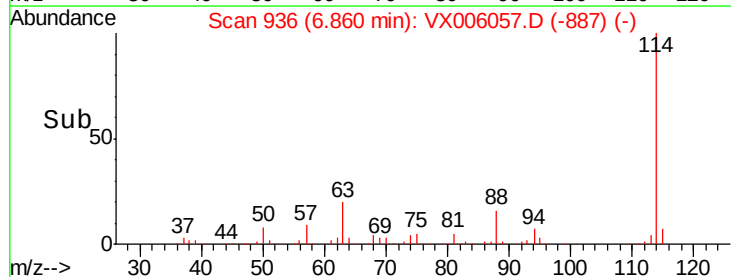
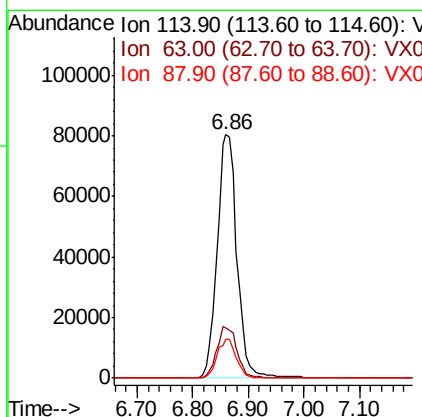
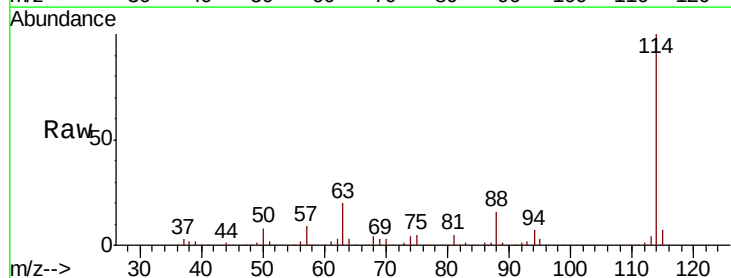
Manual Integrations
 APPROVED

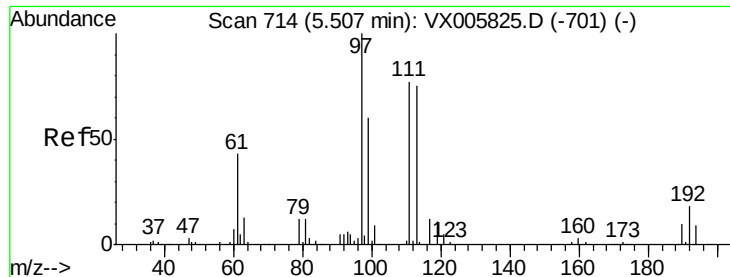
MMDadoda
 11/19/2018 12:22:53 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006057.D
 Acq: 16 Nov 2018 18:28

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	42.8
88	16.0	0.0	31.2





#35

Dibromofluoromethane

Concen: 50.007 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX006057.D

Acq: 16 Nov 2018 18:28

Instrument :

MSVOA_X

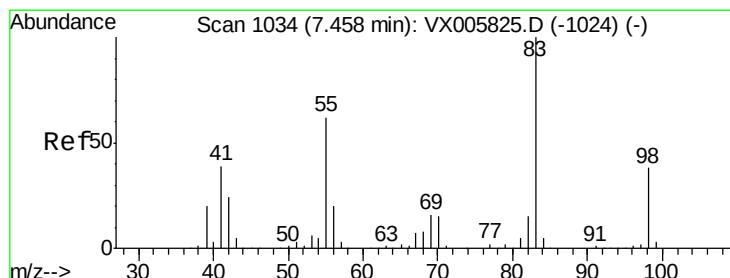
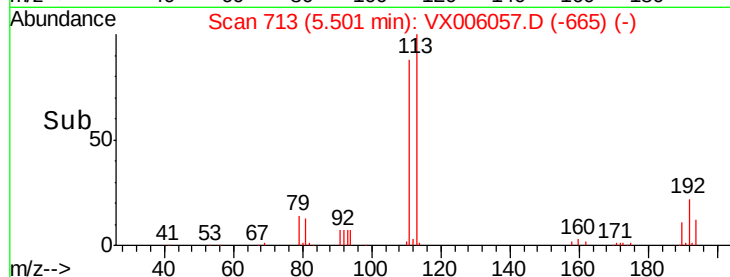
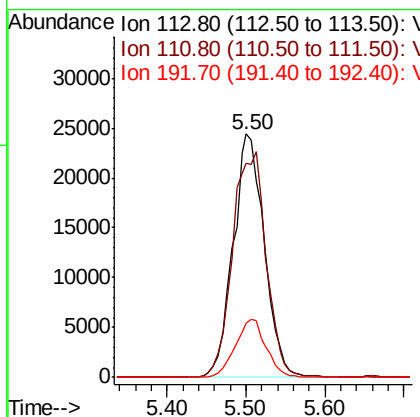
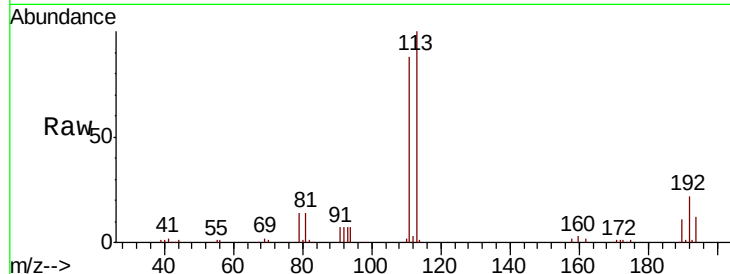
ClientSampleId :

MW-2-111418

Tot Ion:	113	Resp:	67302
Ion Ratio	Lower	Upper	
113	100		
111	99.3	82.3	123.5
192	23.2	17.9	26.9

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:53 PM



#39

Methylcyclohexane

Concen: 13.776 ug/l

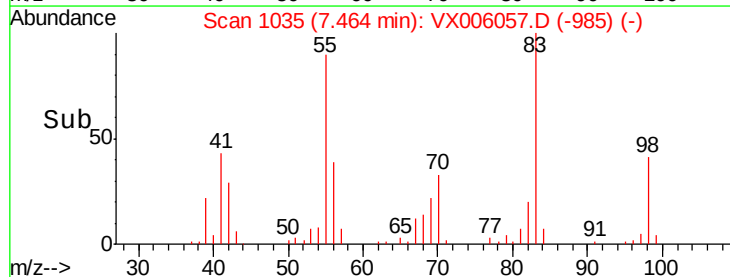
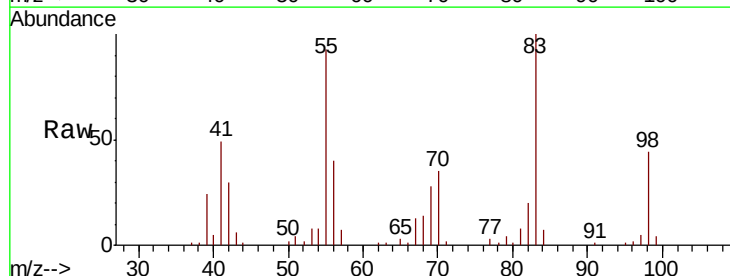
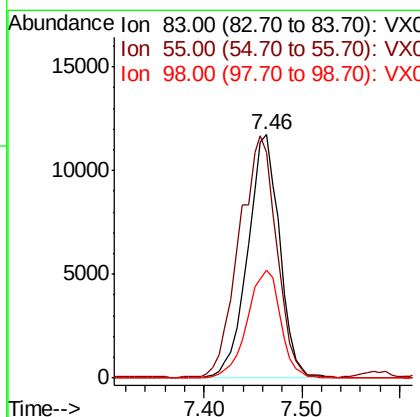
RT: 7.46 min Scan# 1035

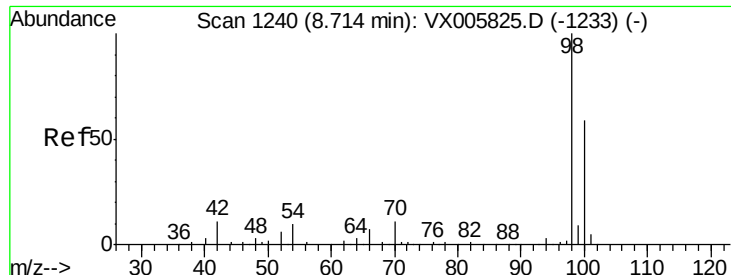
Delta R.T. 0.01 min

Lab File: VX006057.D

Acq: 16 Nov 2018 18:28

Tgt Ion:	83	Resp:	26635
Ion Ratio	Lower	Upper	
83	100		
55	92.8	63.7	95.5
98	44.2	36.2	54.2





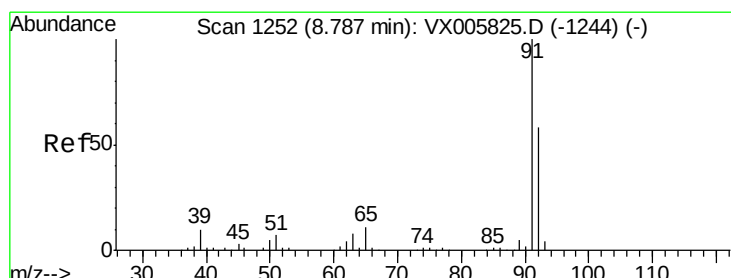
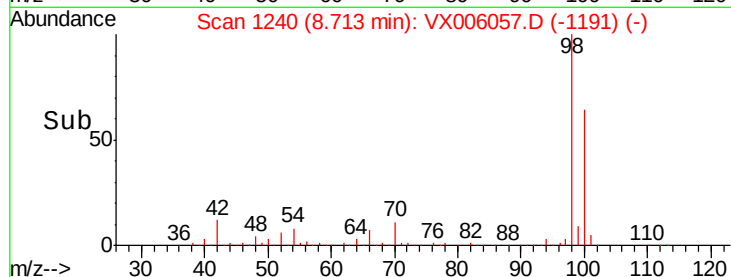
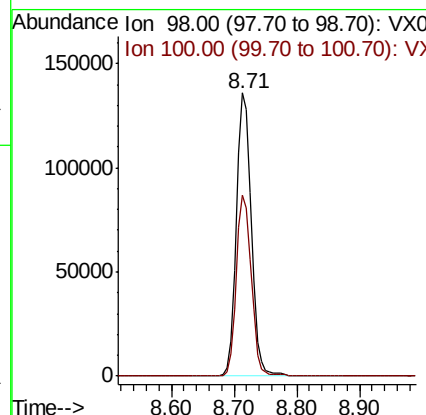
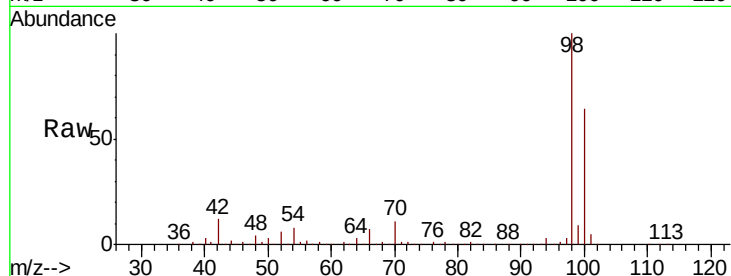
#50
Toluene-d8
Concen: 50.282 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
MW-2-111418

Tot Ion: 98 Resp: 224982
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9

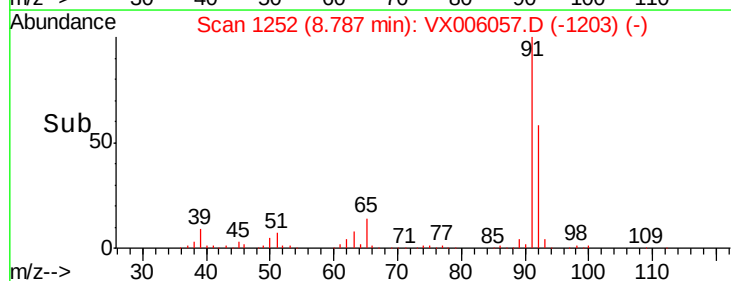
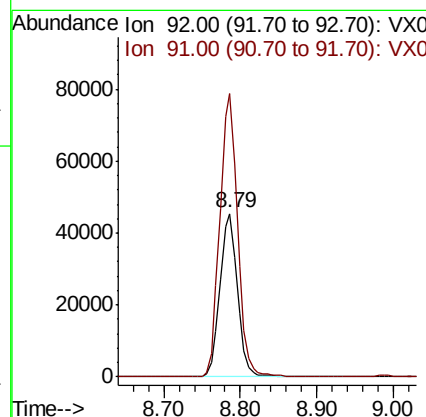
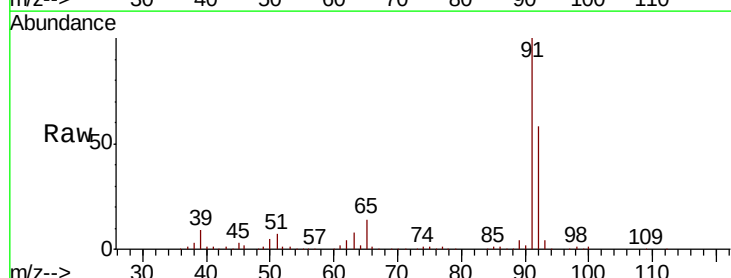
Manual Integrations
APPROVED

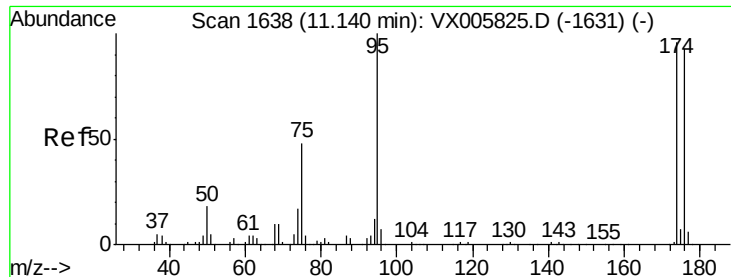
MMDadoda
11/19/2018 12:22:53 PM



#52
Toluene
Concen: 23.214 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Tgt Ion: 92 Resp: 72150
Ion Ratio Lower Upper
92 100
91 176.6 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 49.056 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006057.D

Acq: 16 Nov 2018 18:28

Instrument :

MSVOA_X

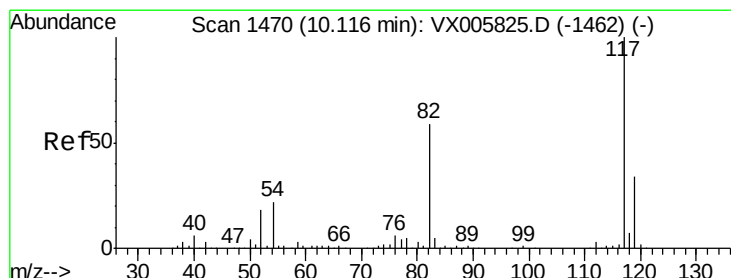
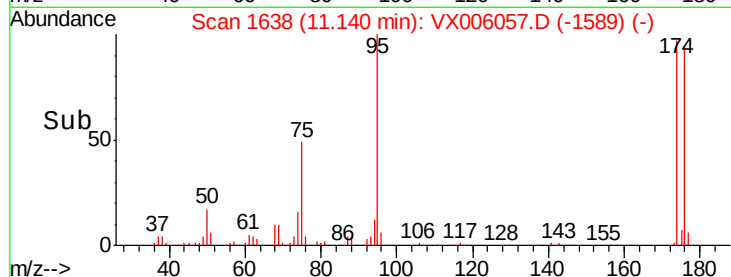
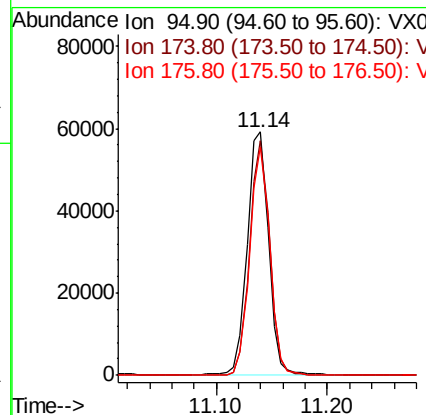
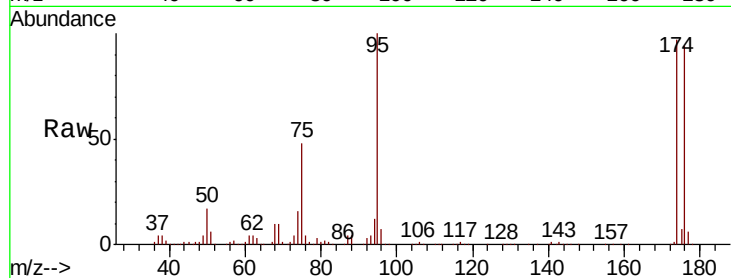
ClientSampleId :

MW-2-111418

Tot Ion:	95	Resp:	78917
Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	184.4
176	88.1	0.0	177.4

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:53 PM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

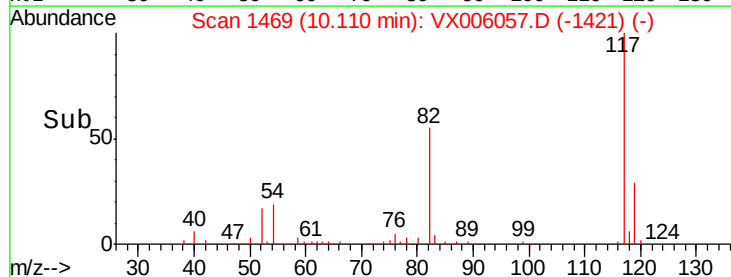
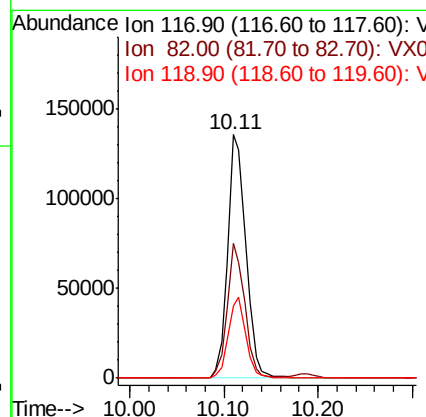
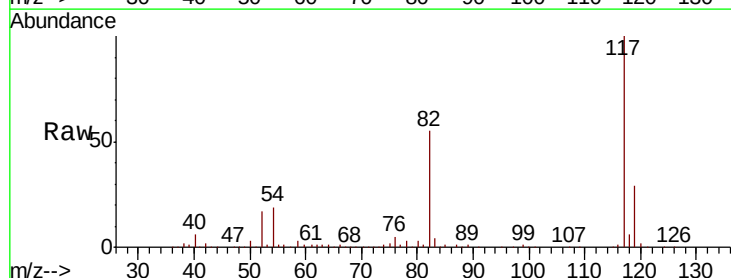
RT: 10.11 min Scan# 1469

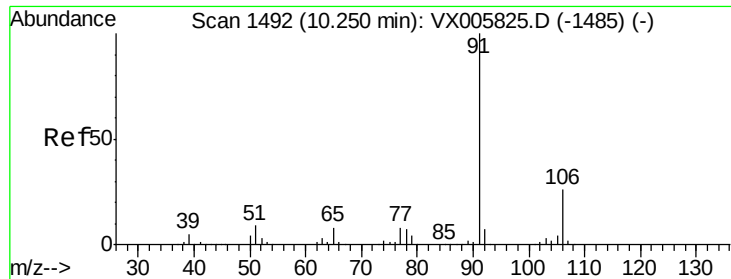
Delta R.T. -0.01 min

Lab File: VX006057.D

Acq: 16 Nov 2018 18:28

Tgt Ion:	117	Resp:	181897
Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.1	66.1
119	29.4	26.2	39.2





#67

Ethyl Benzene

Concen: 218.926 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX006057.D

Acq: 16 Nov 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

MW-2-111418

Tot Ion: 91 Resp: 1279232

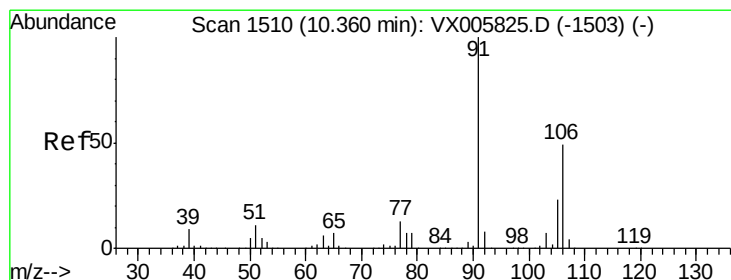
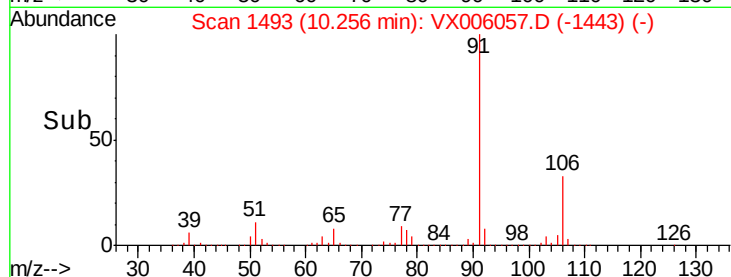
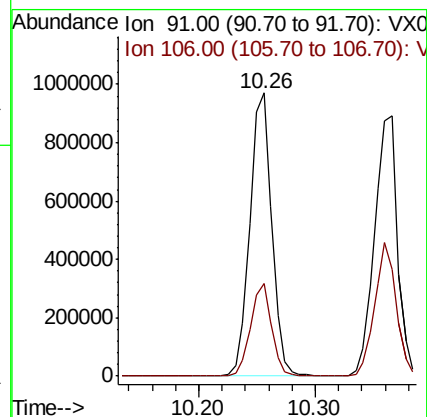
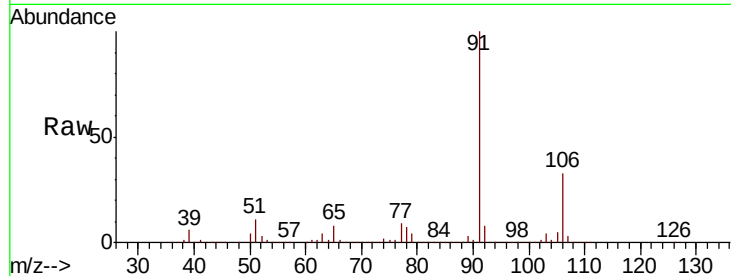
Ion Ratio Lower Upper

91 100

106 32.9 24.4 36.6

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:53 PM



#68

m/p-Xylenes

Concen: 264.138 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006057.D

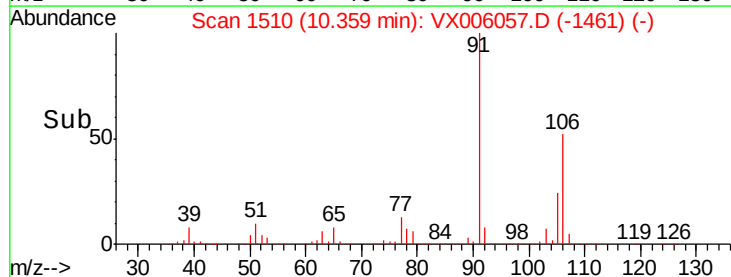
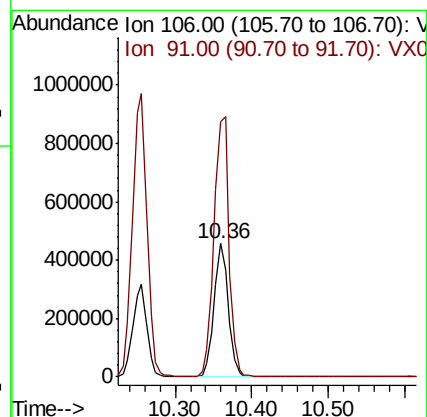
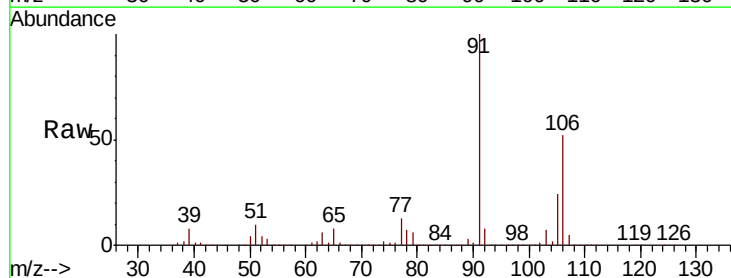
Acq: 16 Nov 2018 18:28

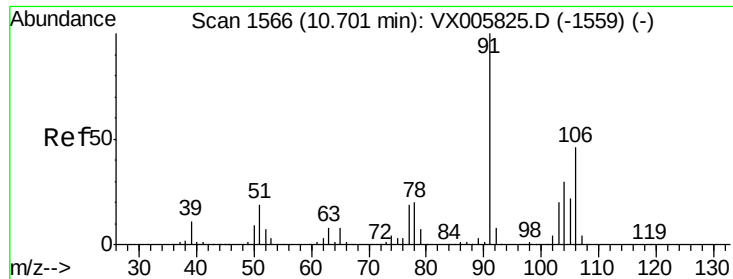
Tgt Ion: 106 Resp: 588717

Ion Ratio Lower Upper

106 100

91 208.4 164.2 246.4





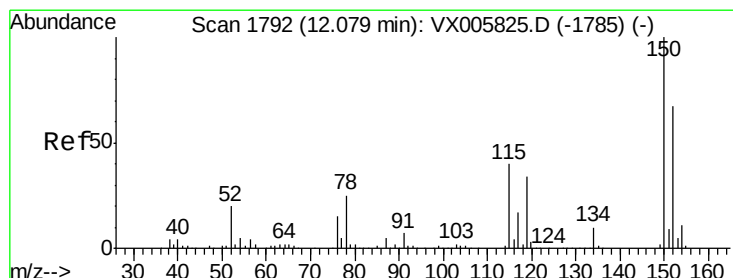
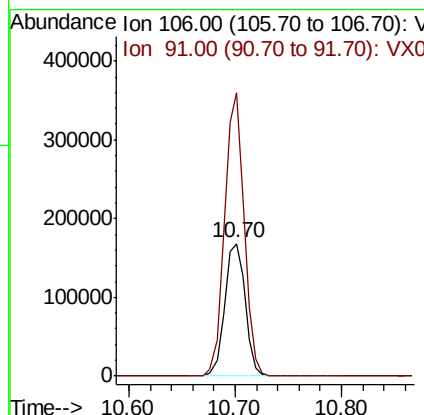
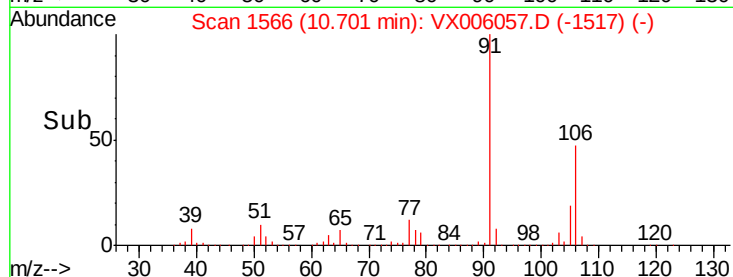
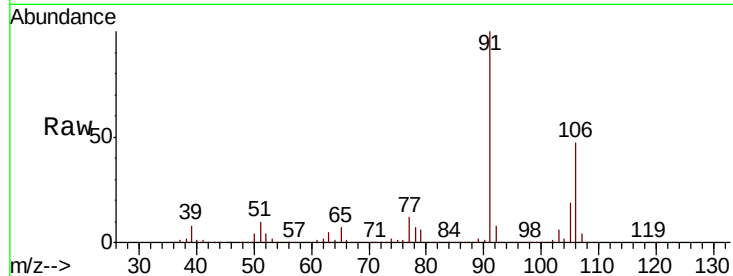
#69
o-Xylene
Concen: 113.101 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
MW-2-111418

Tot Ion:106 Resp: 226042
Ion Ratio Lower Upper
106 100
91 204.1 108.5 325.5

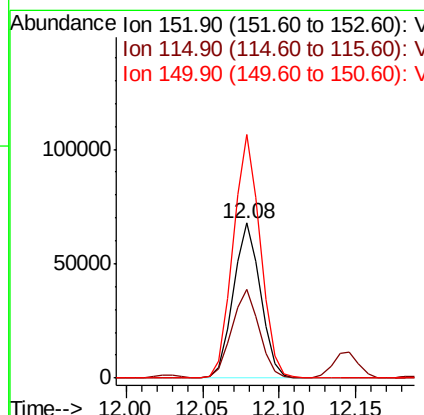
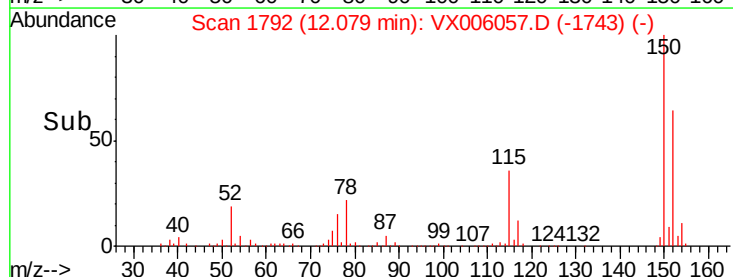
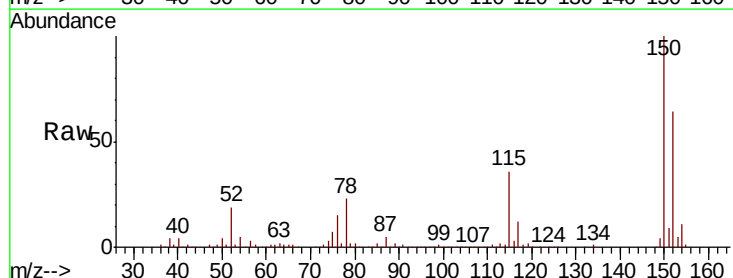
Manual Integrations
APPROVED

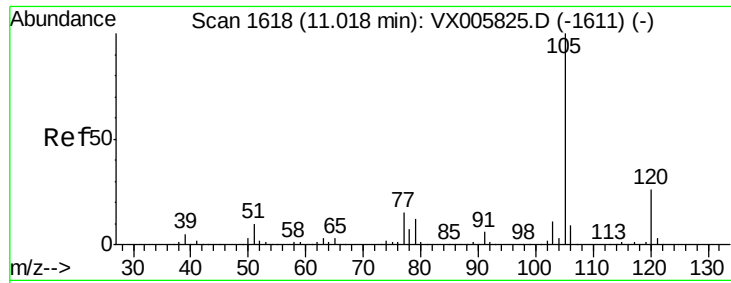
MMDadoda
11/19/2018 12:22:53 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Tgt Ion:152 Resp: 83180
Ion Ratio Lower Upper
152 100
115 57.1 39.4 118.1
150 156.8 0.0 346.4





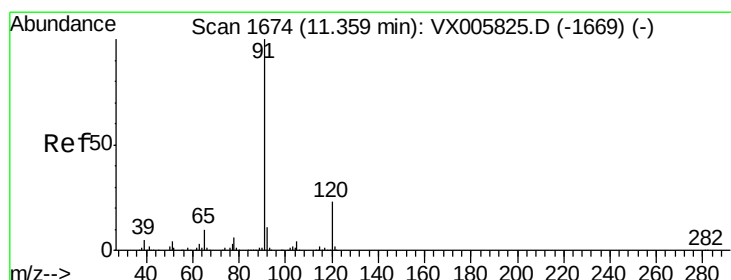
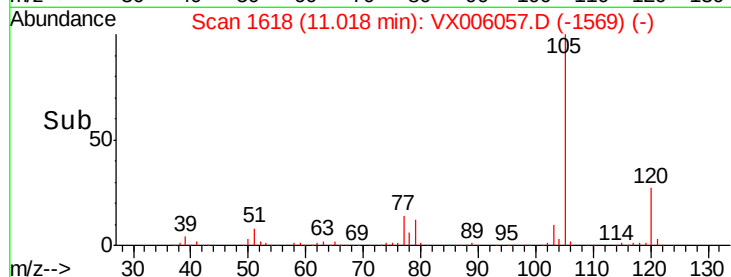
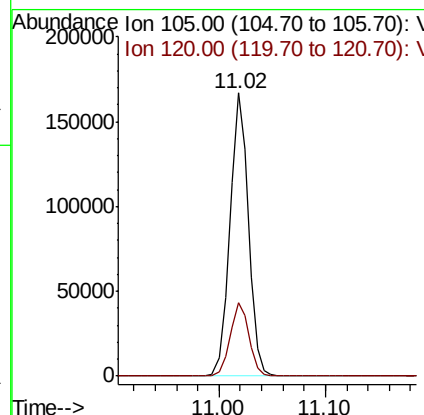
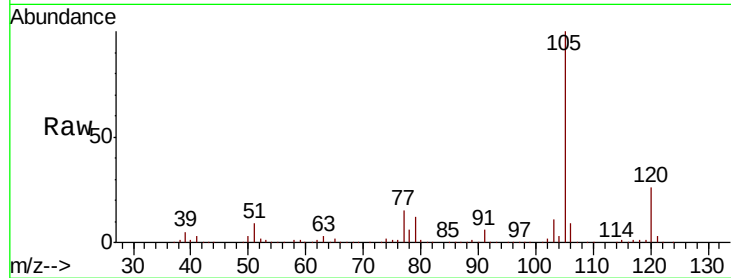
#73
Isopropylbenzene
Concen: 42.160 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
MW-2-111418

Tot Ion:105 Resp: 202800
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.3

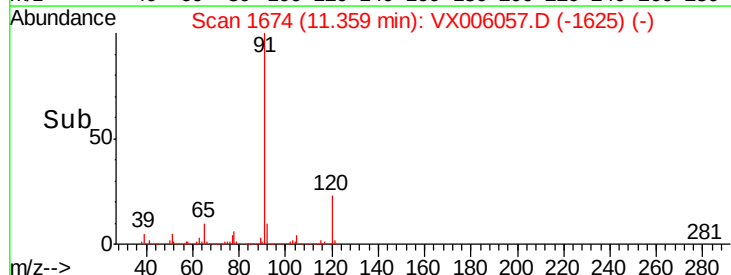
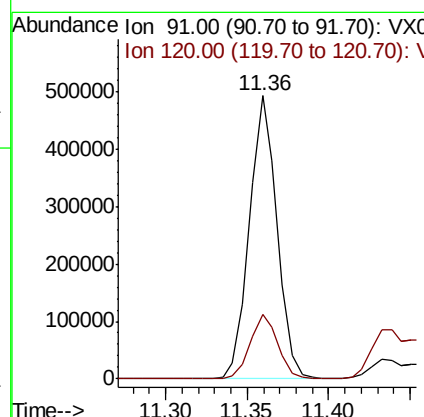
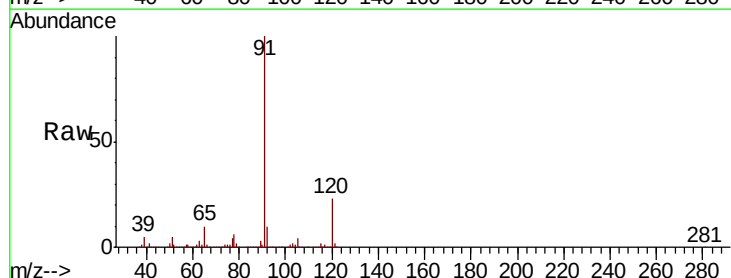
Manual Integrations
APPROVED

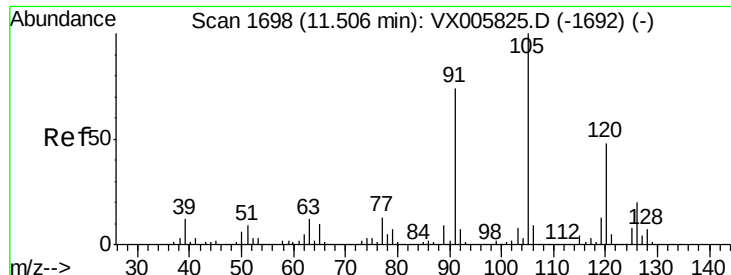
MMDadoda
11/19/2018 12:22:53 PM



#78
n-propylbenzene
Concen: 102.828 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Tgt Ion: 91 Resp: 582927
Ion Ratio Lower Upper
91 100
120 22.9 11.9 35.5





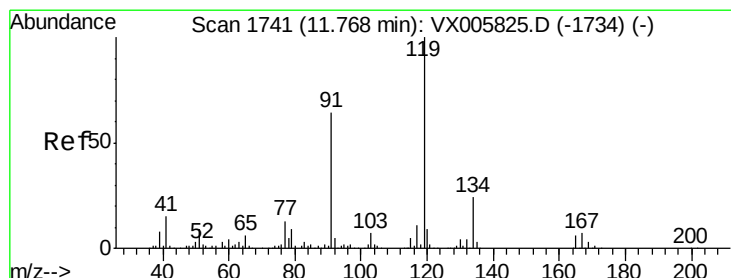
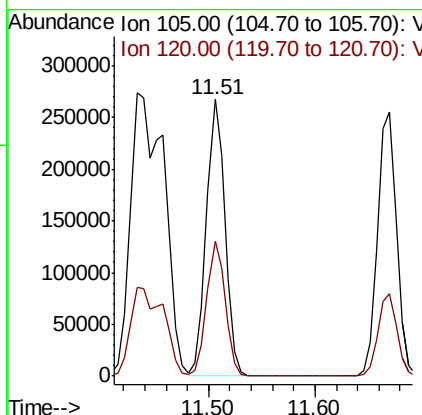
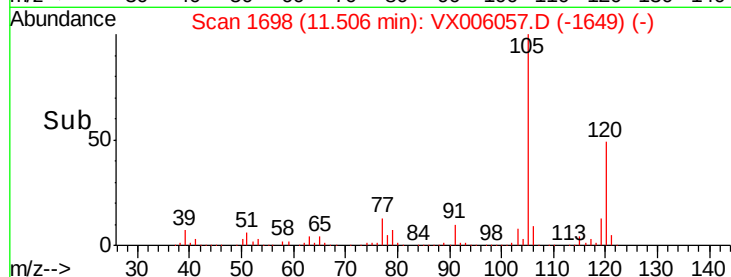
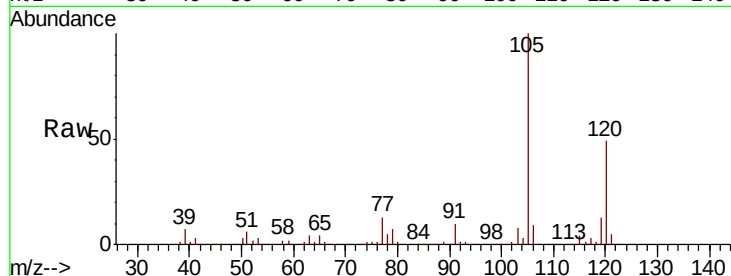
#80
 1,3,5-Trimethylbenzene
 Concen: 77.159 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006057.D
 Acq: 16 Nov 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-111418

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.5	24.1	72.2

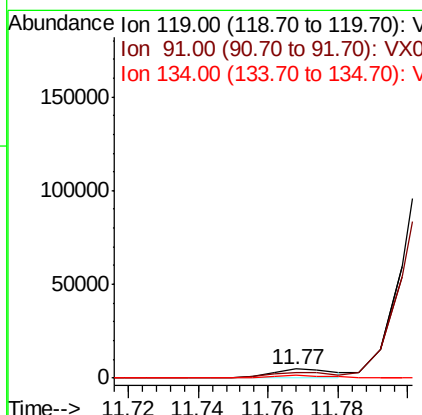
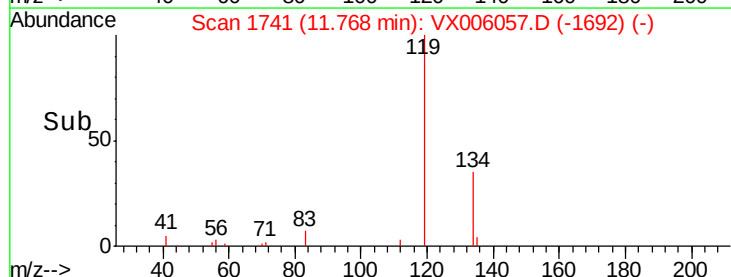
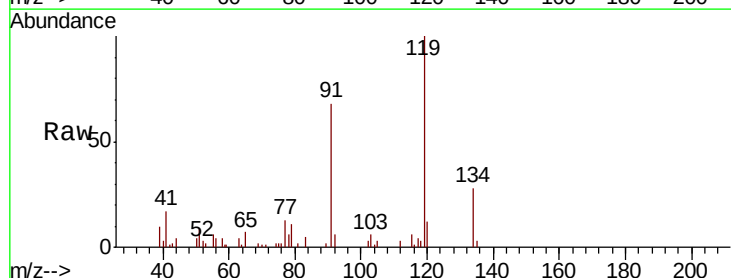
Manual Integrations
 APPROVED

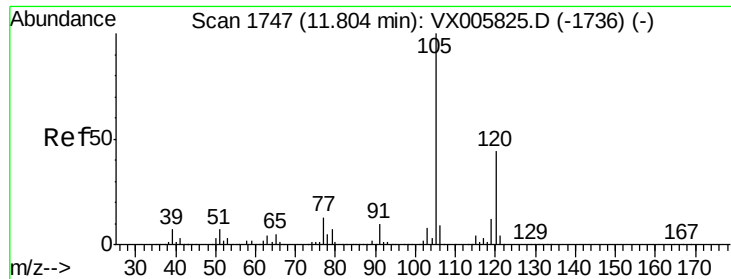
MMDadoda
 11/19/2018 12:22:53 PM



#83
 tert-Butylbenzene
 Concen: 1.407 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006057.D
 Acq: 16 Nov 2018 18:28

Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.5	85.5#
134	29.7	11.3	33.8





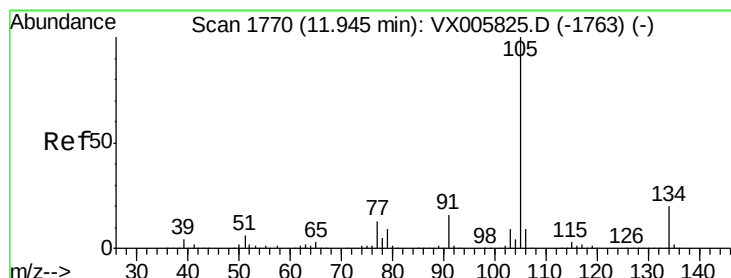
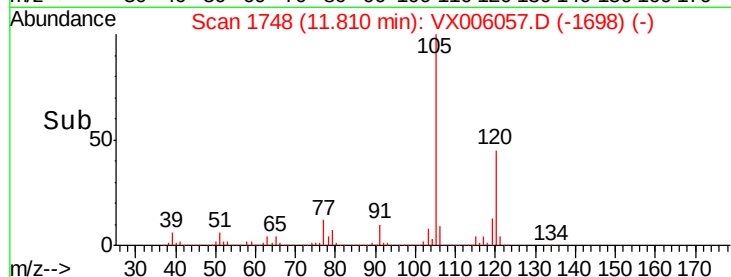
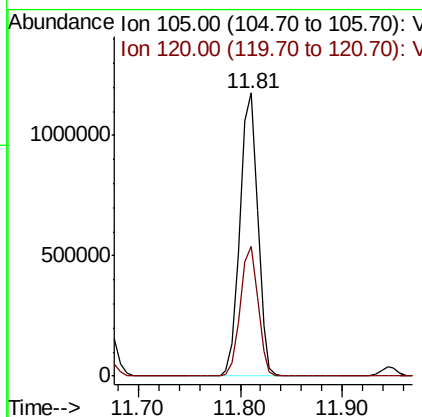
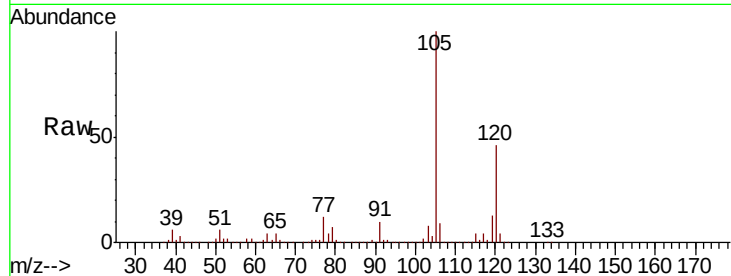
#84
 1,2,4-Trimethylbenzene
 Concen: 312.393 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006057.D
 Acq: 16 Nov 2018 18:28

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2-111418

Tot Ion:105 Resp: 1406399
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.0

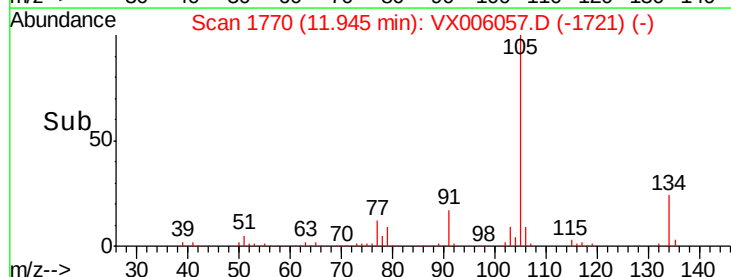
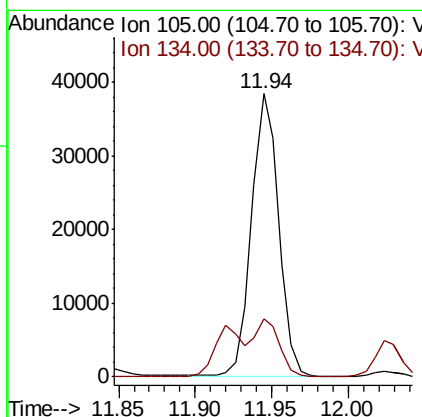
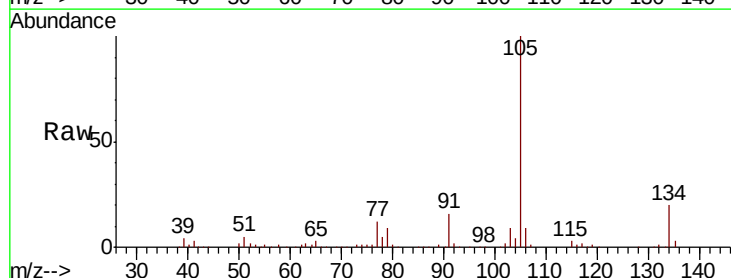
Manual Integrations
 APPROVED

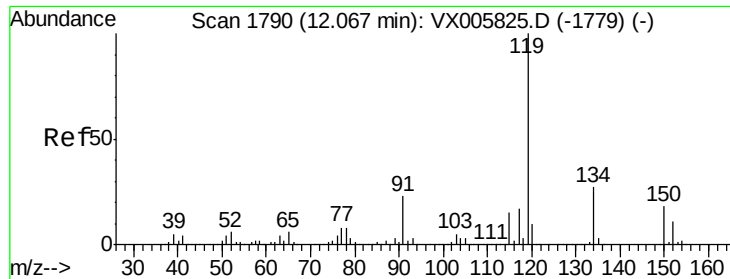
MMDadoda
 11/19/2018 12:22:53 PM



#85
 sec-Butylbenzene
 Concen: 9.348 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006057.D
 Acq: 16 Nov 2018 18:28

Tgt Ion:105 Resp: 47271
 Ion Ratio Lower Upper
 105 100
 134 19.1 10.2 30.4





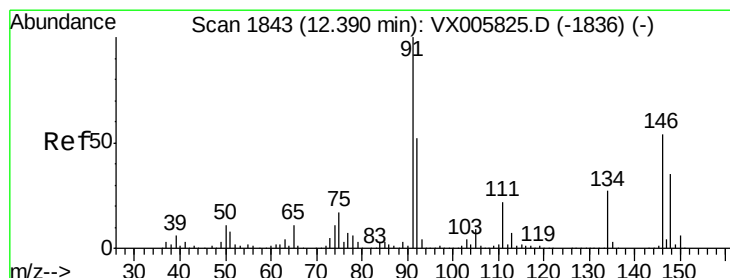
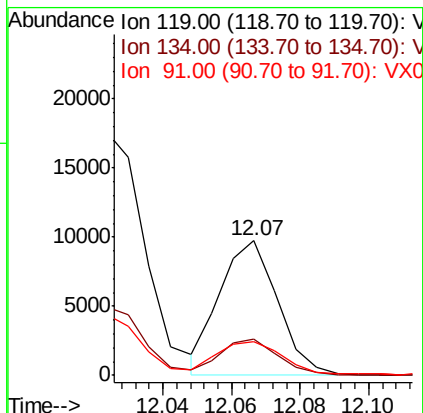
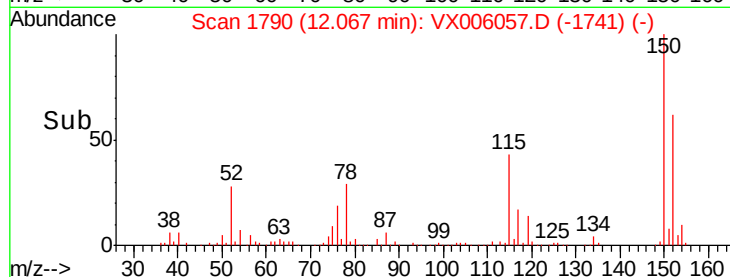
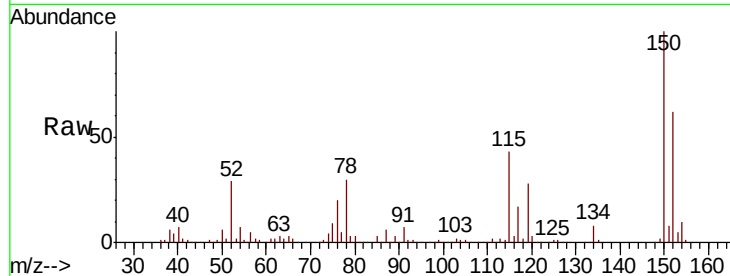
#86
p-Isopropyltoluene
Concen: 2.560 ug/l m
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
MW-2-111418

Tot Ion	Ratio	Lower	Upper
119	100		
134	51.1	13.0	39.0#
91	44.3	11.4	34.2#

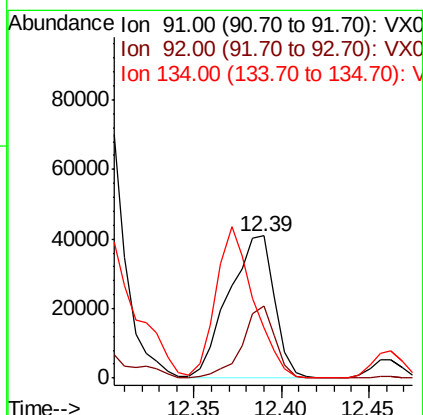
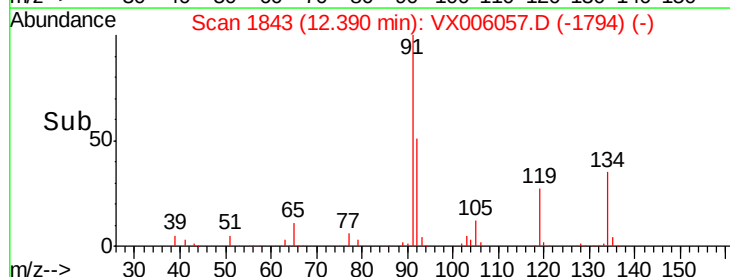
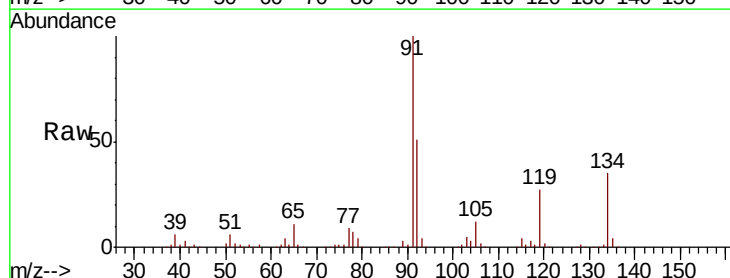
Manual Integrations
APPROVED

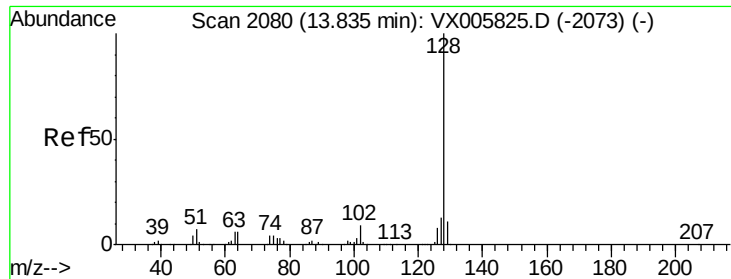
MMDadoda
11/19/2018 12:22:53 PM



#89
n-Butylbenzene
Concen: 17.803 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	36.8	26.1	78.2
134	88.9	13.1	39.3#





#95
Naphthalene
Concen: 119.694 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006057.D
Acq: 16 Nov 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
MW-2-111418

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/19/2018 12:22:53 PM

