

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
 Data File : VF060759.D
 Acq On : 15 Nov 2018 21:08
 Operator : VA/AP
 Sample : J5915-03
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 T-3

Manual Integrations
 APPROVED

MMDadoda
 11/16/2018 1:25:52 PM

Quant Time: Nov 16 06:04:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	184004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	311399	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	258894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	149717	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	84954	40.48	ug/l	0.00
Spiked Amount			Recovery	=	80.96%	
35) Dibromofluoromethane	4.12	113	92250	39.41	ug/l	0.00
Spiked Amount			Recovery	=	78.82%	
50) Toluene-d8	7.56	98	243505	39.79	ug/l	0.00
Spiked Amount			Recovery	=	79.58%	
62) 4-Bromofluorobenzene	11.42	95	114581	40.60	ug/l	0.00
Spiked Amount			Recovery	=	81.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.24	43	39903	88.95	ug/l	97
20) Methylene Chloride	2.18	84	11542m	5.18	ug/l	
25) 2-Butanone	4.34	43	28144	38.14	ug/l	97
30) Chloroform	3.87	83	14621	2.96	ug/l	99
31) Cyclohexane	3.76	56	9243	2.48	ug/l #	41
39) Methylcyclohexane	5.47	83	17013	4.06	ug/l #	80
52) Toluene	7.63	92	15255	2.83	ug/l	79
67) Ethyl Benzene	9.91	91	454699	46.17	ug/l	97
68) m/p-Xylenes	10.14	106	634597	180.32	ug/l	98
69) o-Xylene	10.72	106	174301	44.05	ug/l	95
73) Isopropylbenzene	11.13	105	183898	15.26	ug/l	96
78) n-propylbenzene	11.60	91	876992	62.40	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	1105926	115.59	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	2723309	275.22	ug/l	97
85) sec-Butylbenzene	12.32	105	167159	12.13	ug/l #	75
86) p-Isopropyltoluene	12.47	119	70843m	6.16	ug/l	
89) n-Butylbenzene	12.85	91	569829	48.52	ug/l #	70
95) Naphthalene	14.46	128	374196	60.70	ug/l	99

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

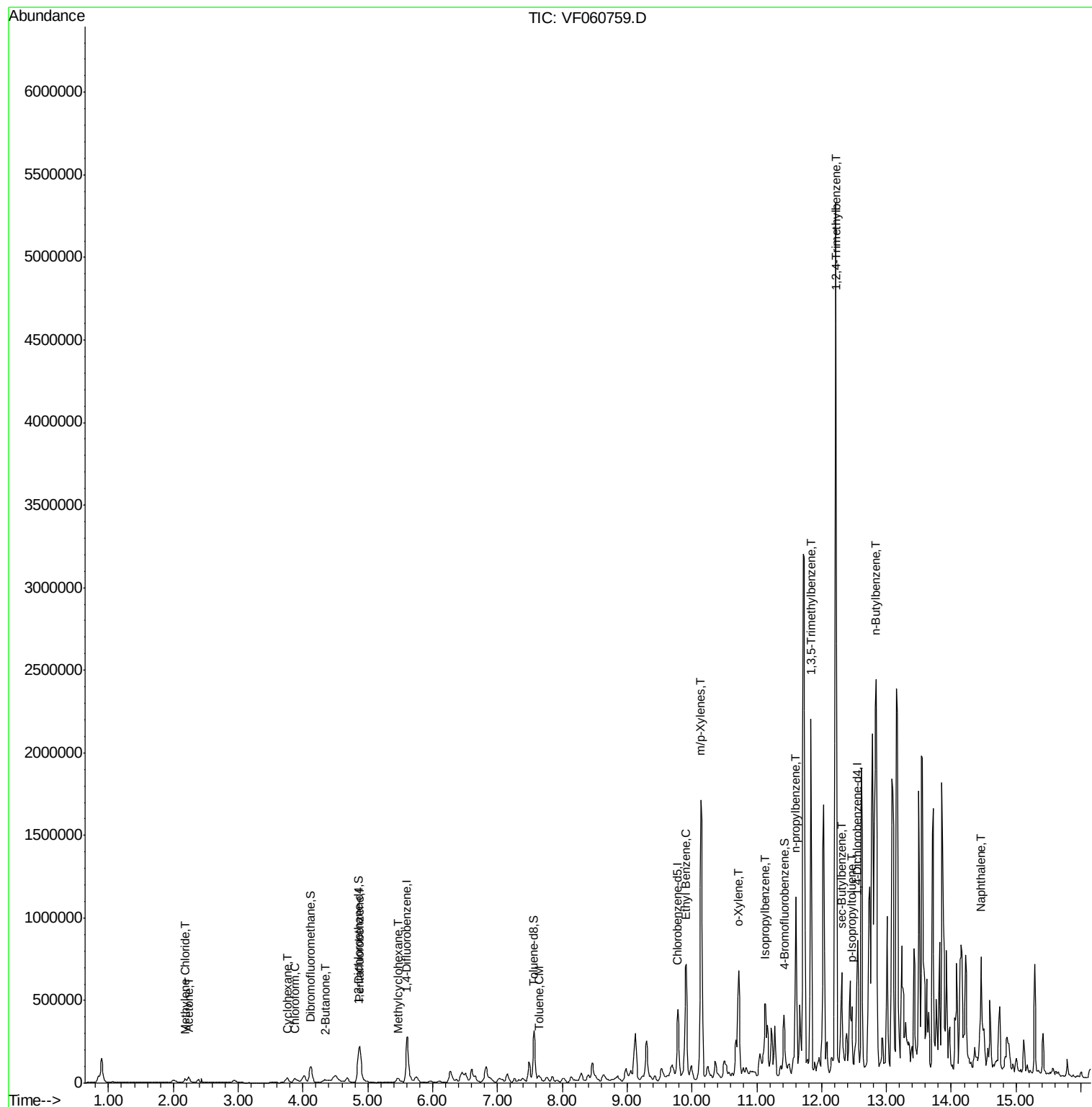
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF111518\
Data File : VF060759.D
Acq On : 15 Nov 2018 21:08
Operator : VA/AP
Sample : J5915-03
Misc : 5.03g/5mL/MSVOA-F/SOIL
ALS Vial : 24 Sample Multiplier: 1

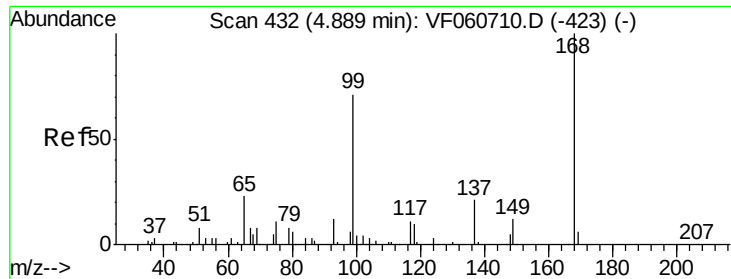
Instrument :
MSVOA_F
ClientSampleId :
T-3

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:25:52 PM

Quant Time: Nov 16 06:04:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.01 min

Lab File: VF060759.D

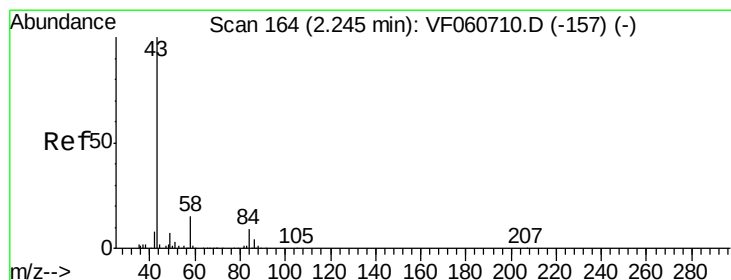
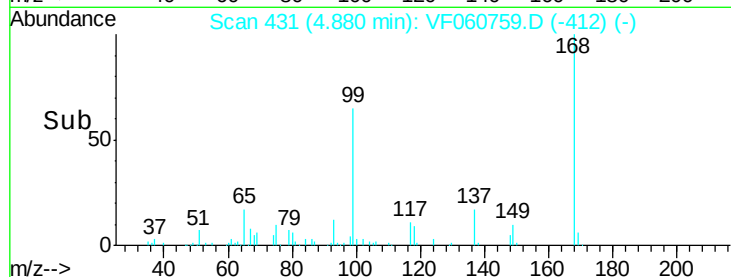
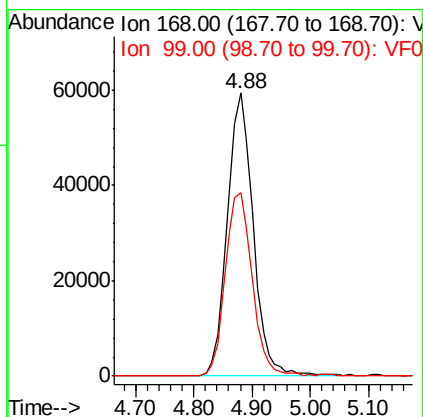
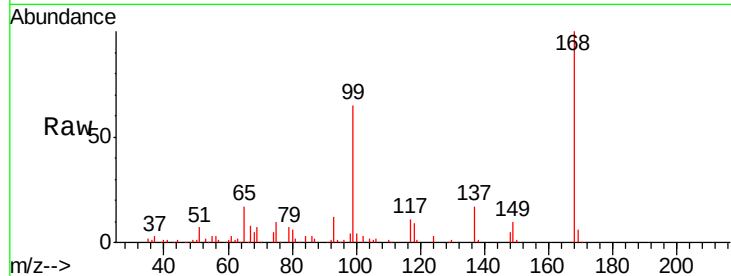
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampleId :
T-3

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	184004		
99	64.8	57.2	85.8	

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:25:52 PM



#16

Acetone

Concen: 88.95 ug/l

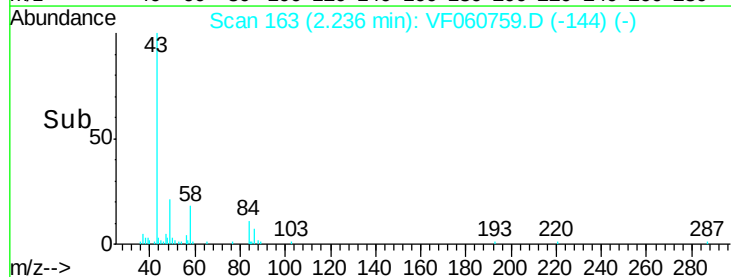
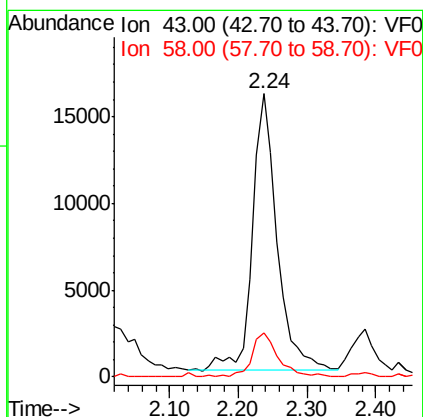
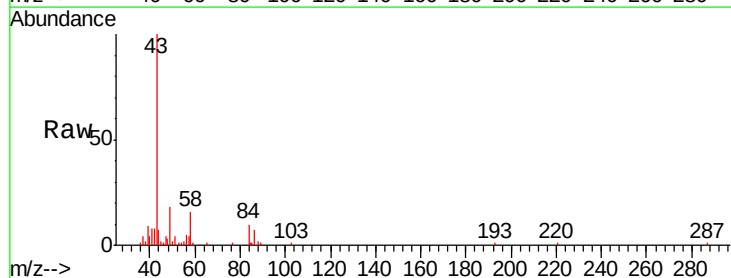
RT: 2.24 min Scan# 163

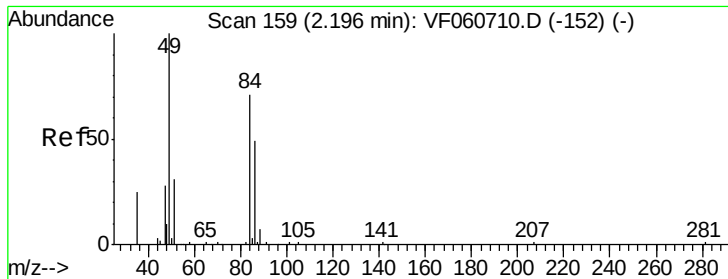
Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	39903		
58	15.7	11.6	17.4	





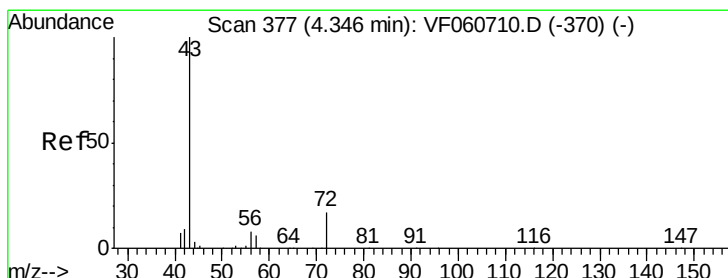
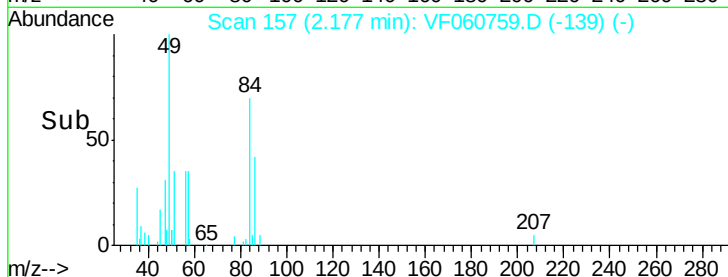
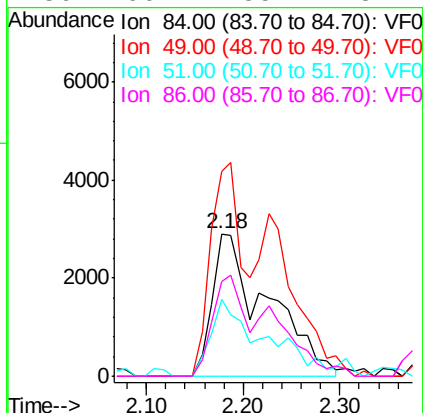
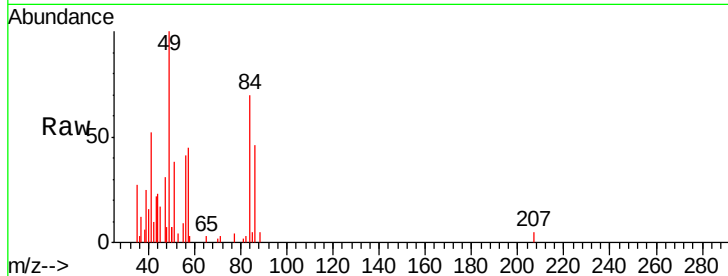
#20
Methylene Chloride
Concen: 5.18 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. -0.02 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion	Ratio	Lower	Upper
84	100		
49	143.2	120.2	180.4
51	53.7	37.2	55.8
86	66.2	55.1	82.7

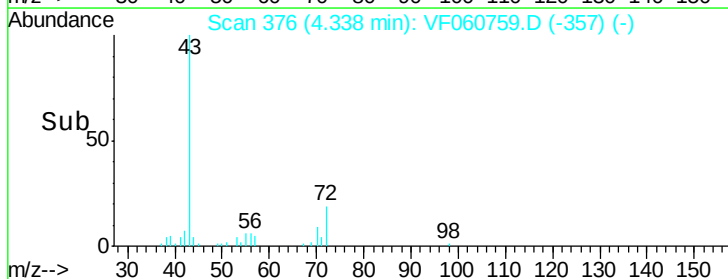
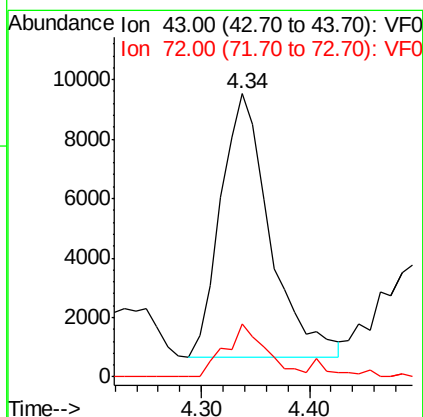
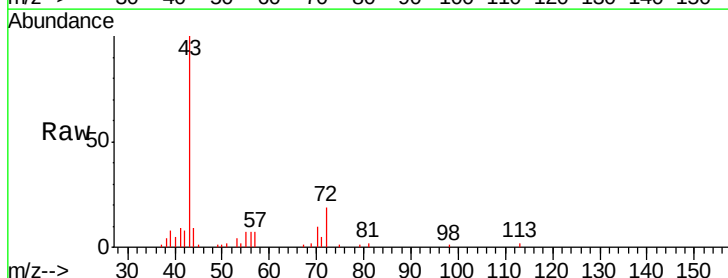
Manual Integrations
APPROVED

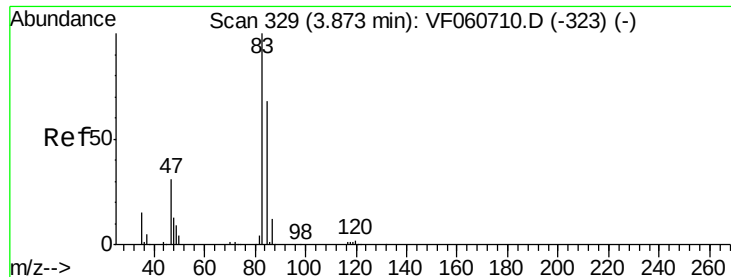
MMDadoda
11/16/2018 1:25:52 PM



#25
2-Butanone
Concen: 38.14 ug/l
RT: 4.34 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.9	16.1	24.1





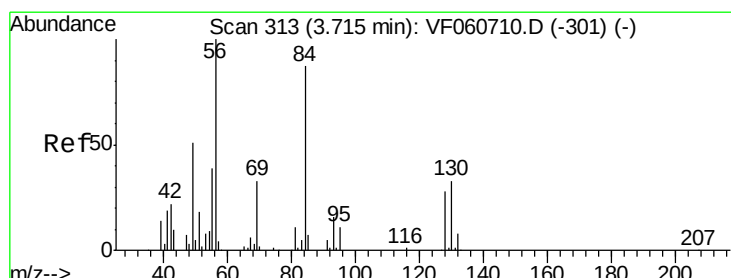
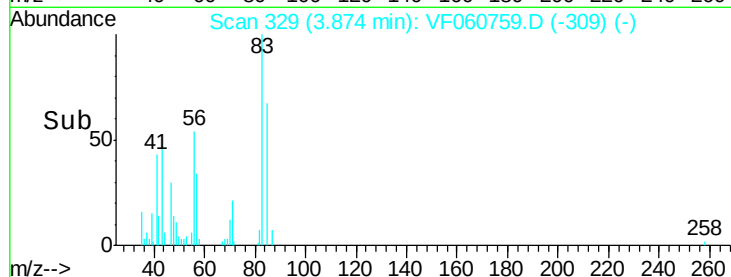
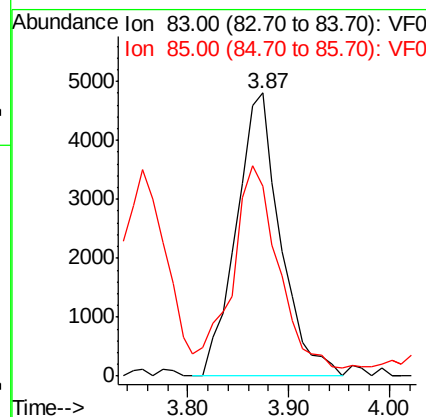
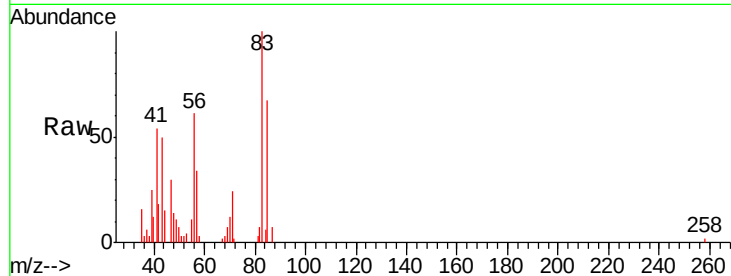
#30
Chloroform
Concen: 2.96 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion: 83 Resp: 14621
Ion Ratio Lower Upper
83 100
85 67.1 54.6 82.0

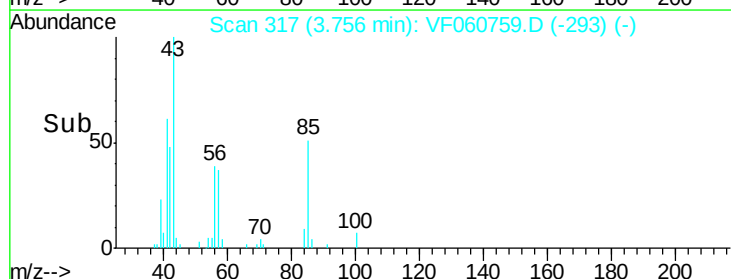
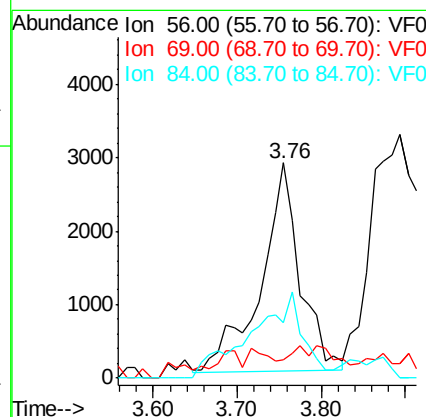
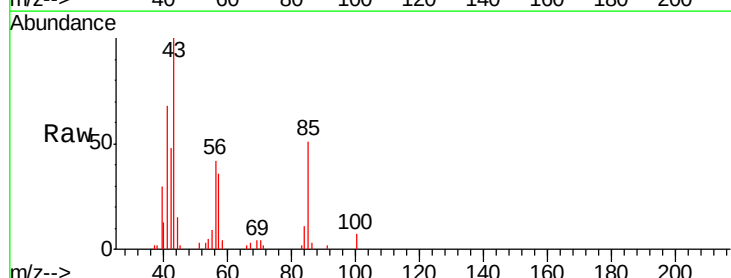
Manual Integrations
APPROVED

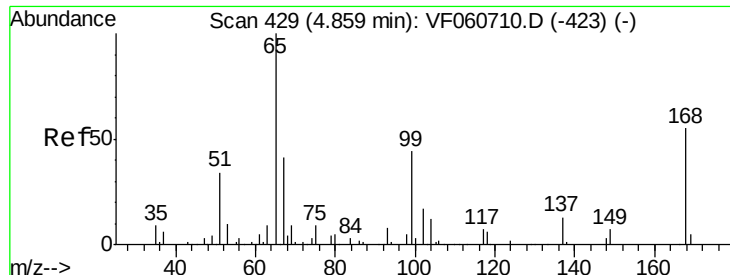
MMDadoda
11/16/2018 1:25:52 PM



#31
Cyclohexane
Concen: 2.48 ug/l
RT: 3.76 min Scan# 317
Delta R.T. 0.04 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 56 Resp: 9243
Ion Ratio Lower Upper
56 100
69 8.7 26.0 39.0#
84 26.1 69.4 104.2#





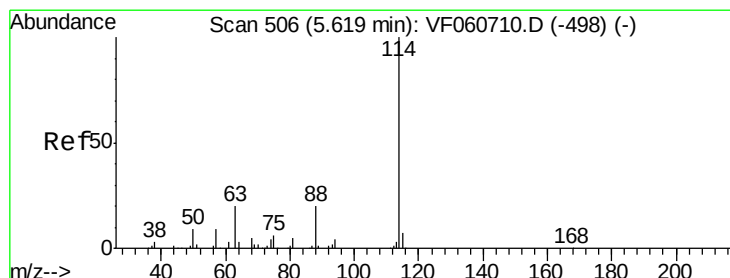
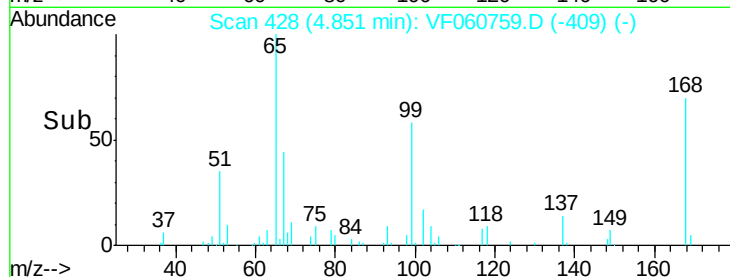
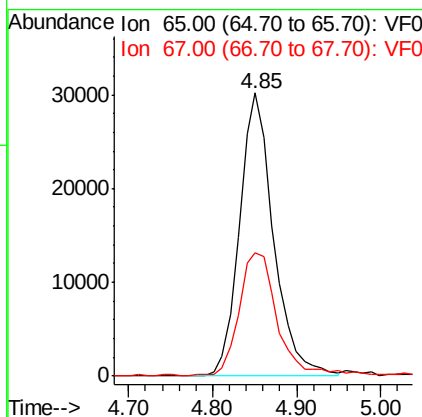
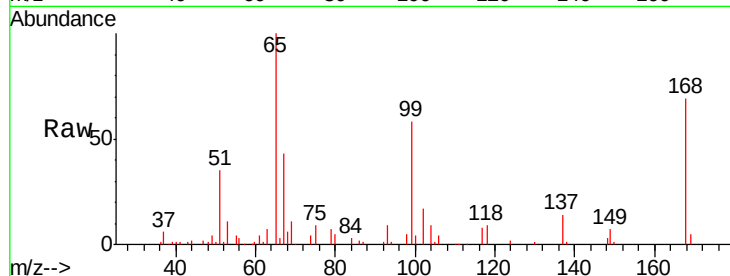
#33
 1,2-Dichloroethane-d4
 Concen: 40.48 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.01 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

Instrument :
 MSVOA_F
 ClientSampled :
 T-3

Tgt Ion: 65 Resp: 84954
 Ion Ratio Lower Upper
 65 100
 67 43.5 0.0 90.2

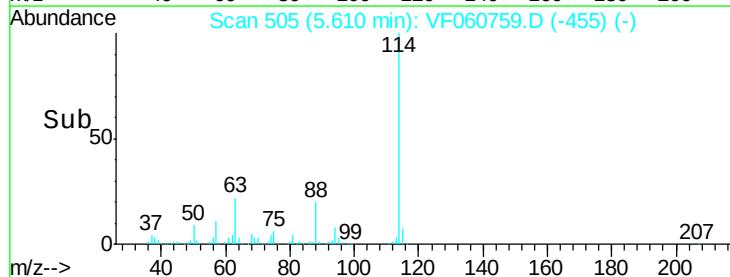
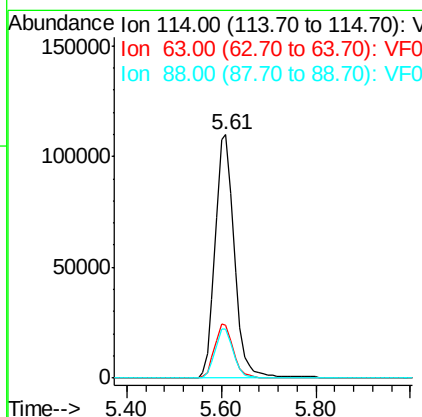
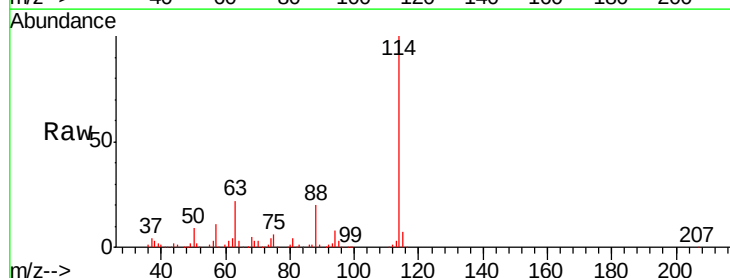
Manual Integrations
 APPROVED

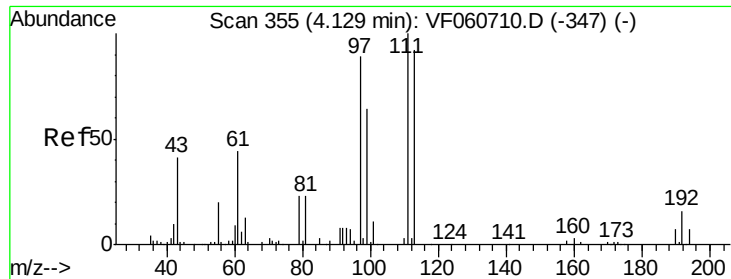
MMDadoda
 11/16/2018 1:25:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VF060759.D
 Acq: 15 Nov 2018 21:08

Tgt Ion: 114 Resp: 311399
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 19.9 0.0 39.6





#35

Dibromofluoromethane

Concen: 39.41 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060759.D

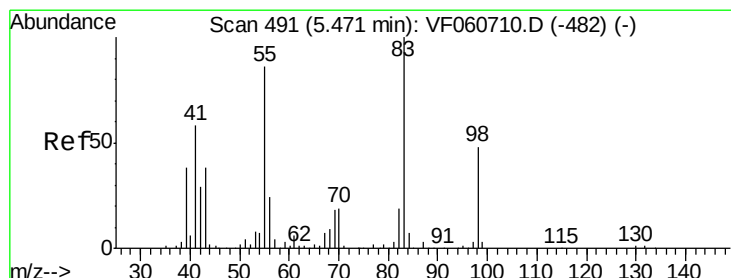
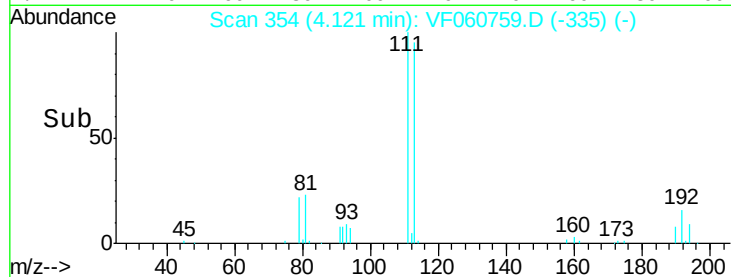
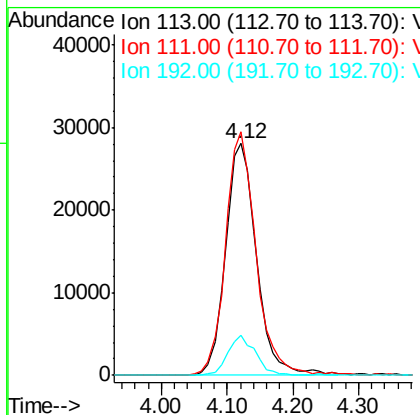
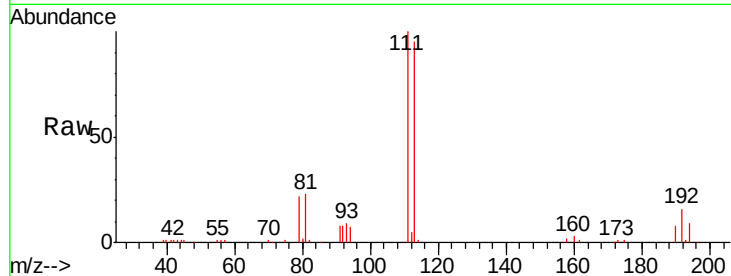
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion:	113	Resp:	92250
Ion	Ratio	Lower	Upper
113	100		
111	105.0	87.1	130.7
192	17.6	13.8	20.6

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:25:52 PM



#39

Methylcyclohexane

Concen: 4.06 ug/l

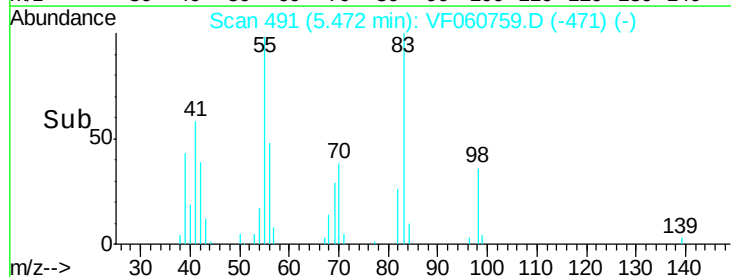
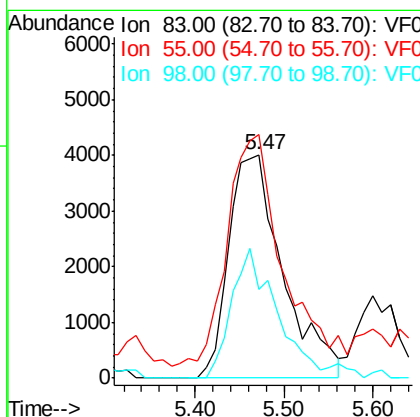
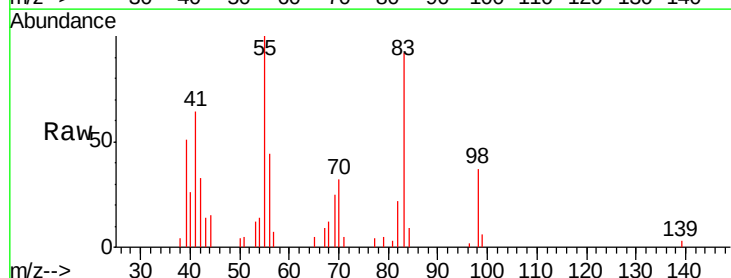
RT: 5.47 min Scan# 491

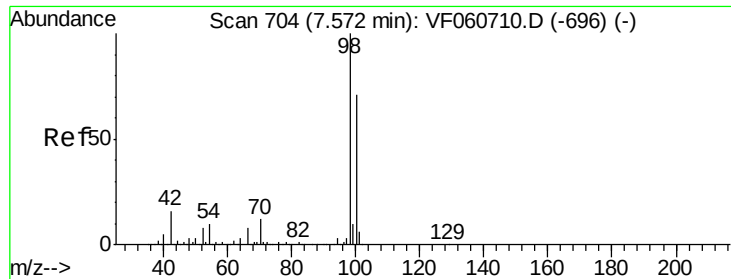
Delta R.T. 0.00 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Tgt Ion:	83	Resp:	17013
Ion	Ratio	Lower	Upper
83	100		
55	108.9	69.0	103.4#
98	39.9	38.5	57.7





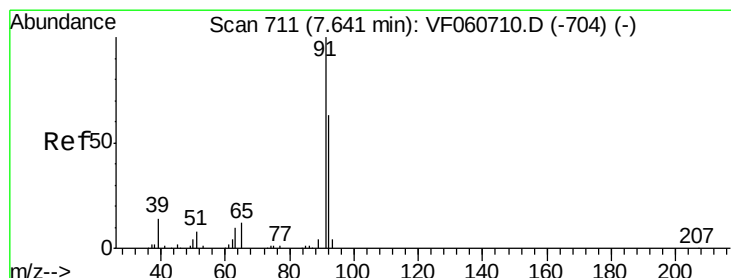
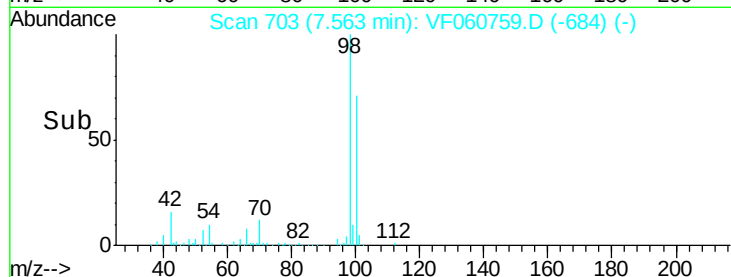
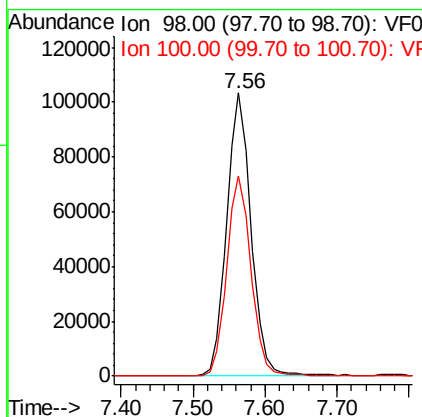
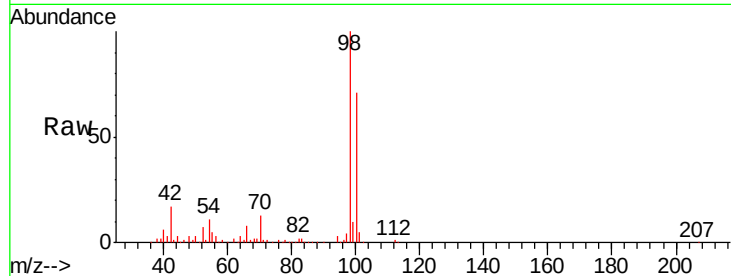
#50
Toluene-d8
Concen: 39.79 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion: 98 Resp: 243505
Ion Ratio Lower Upper
98 100
100 70.8 56.5 84.7

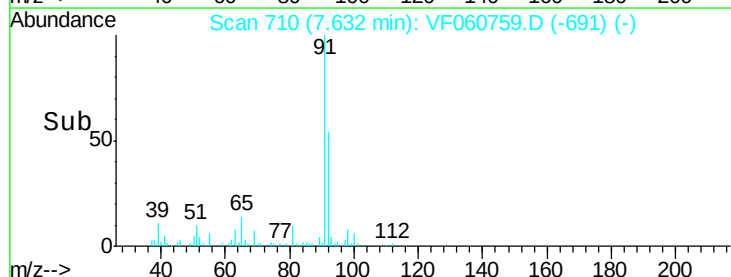
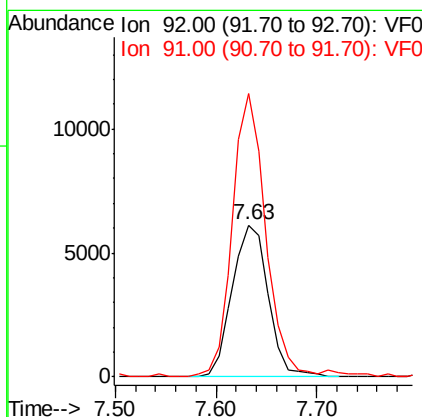
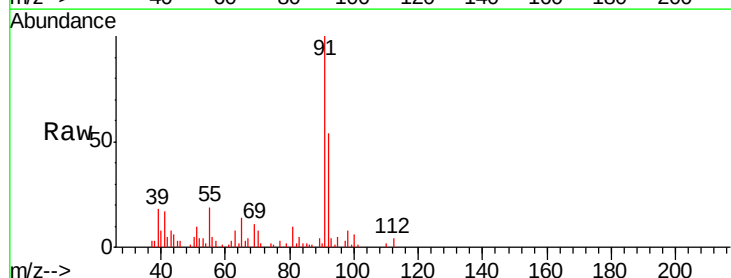
Manual Integrations
APPROVED

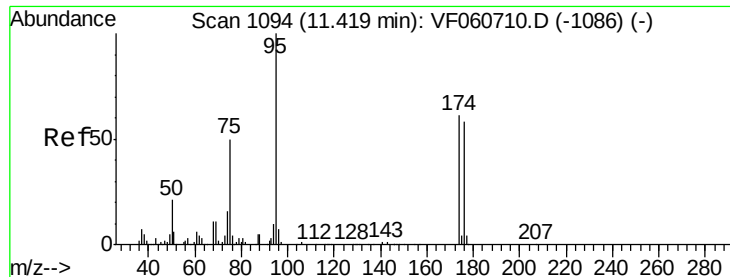
MMDadoda
11/16/2018 1:25:52 PM



#52
Toluene
Concen: 2.83 ug/l
RT: 7.63 min Scan# 710
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 92 Resp: 15255
Ion Ratio Lower Upper
92 100
91 186.2 126.7 190.1





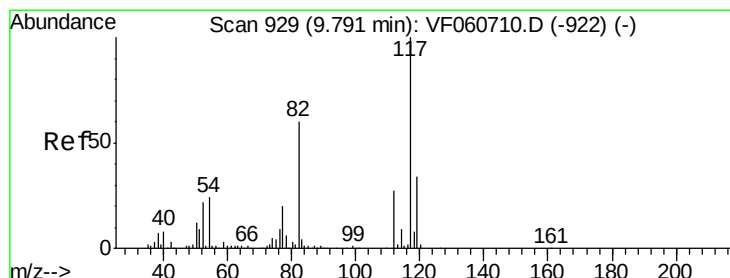
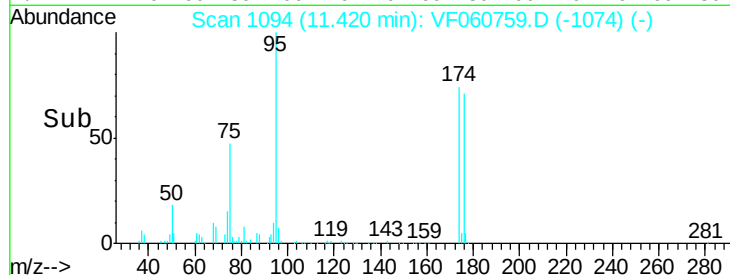
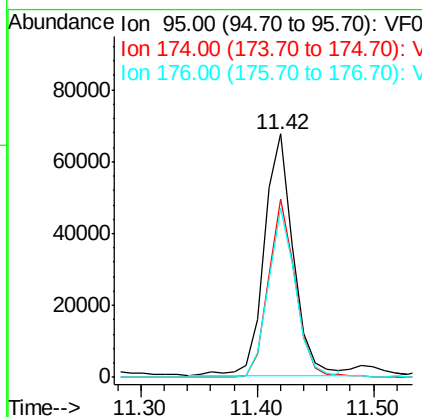
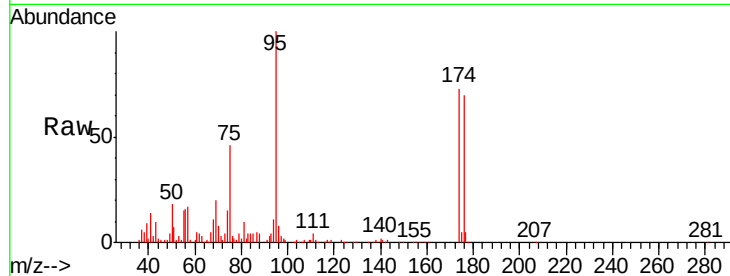
#62
4-Bromofluorobenzene
Concen: 40.60 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	114581		
174	73.4	0.0	121.6	
176	69.7	0.0	115.2	

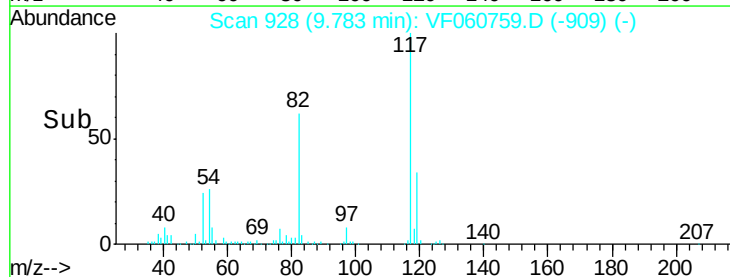
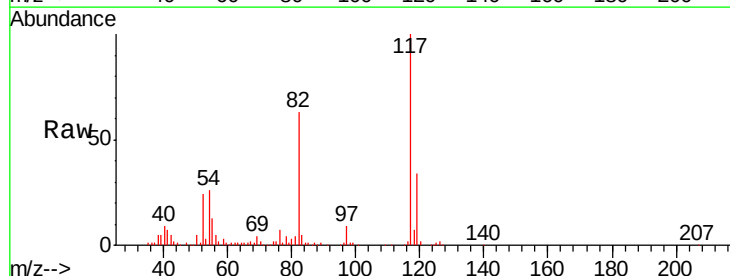
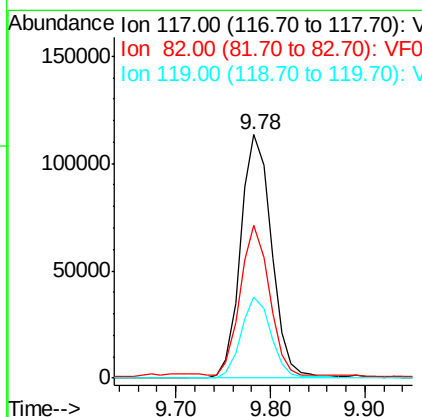
Manual Integrations
APPROVED

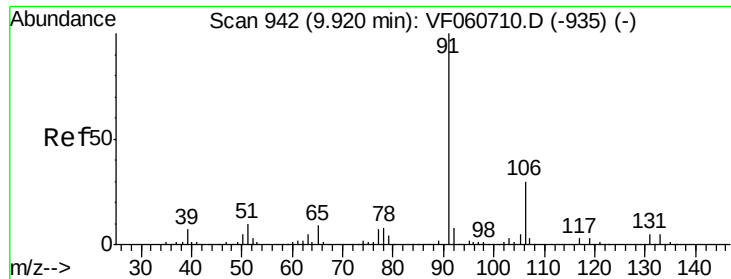
MMDadoda
11/16/2018 1:25:52 PM



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	258894		
82	62.6	47.9	71.9	
119	33.5	26.8	40.2	





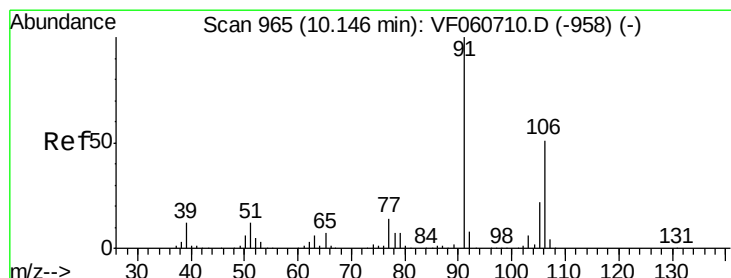
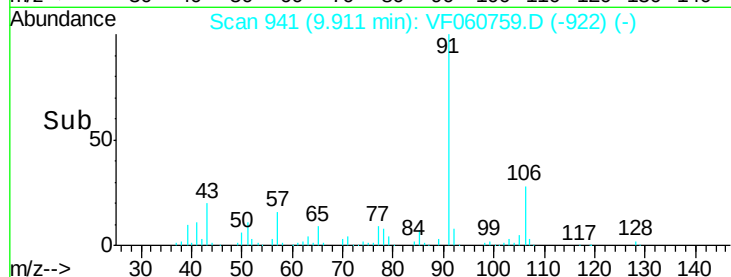
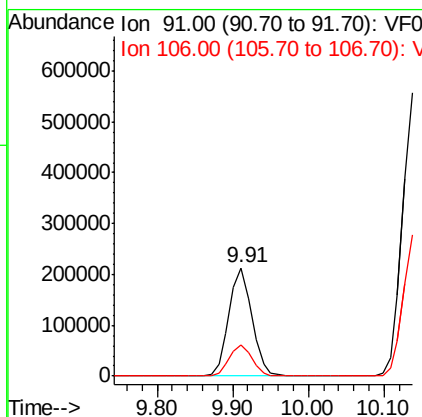
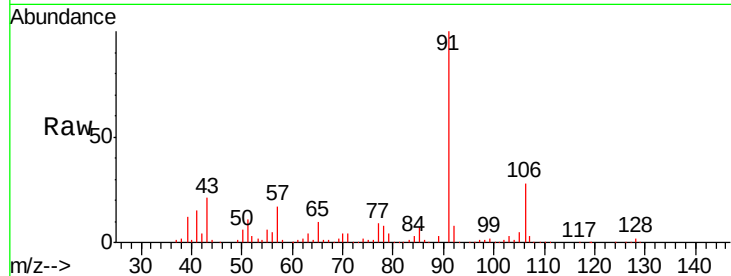
#67
Ethyl Benzene
Concen: 46.17 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion: 91 Resp: 454699
Ion Ratio Lower Upper
91 100
106 28.3 23.9 35.9

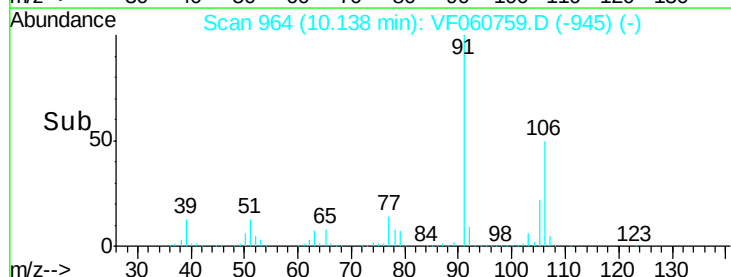
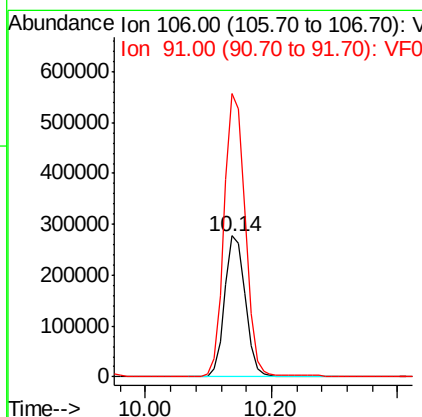
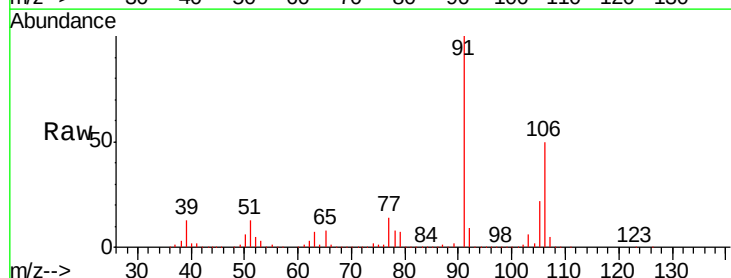
Manual Integrations
APPROVED

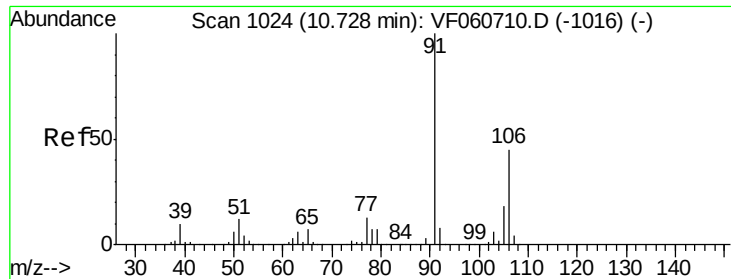
MMDadoda
11/16/2018 1:25:52 PM



#68
m/p-Xylenes
Concen: 180.32 ug/l
RT: 10.14 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion: 106 Resp: 634597
Ion Ratio Lower Upper
106 100
91 201.0 158.2 237.2





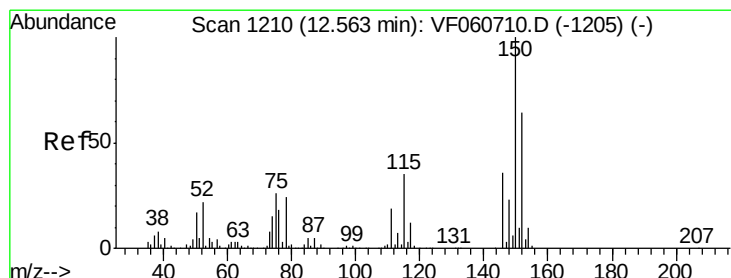
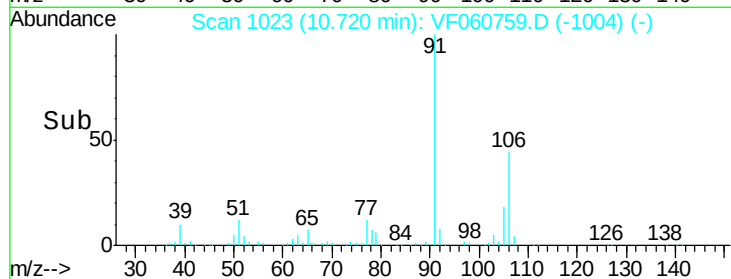
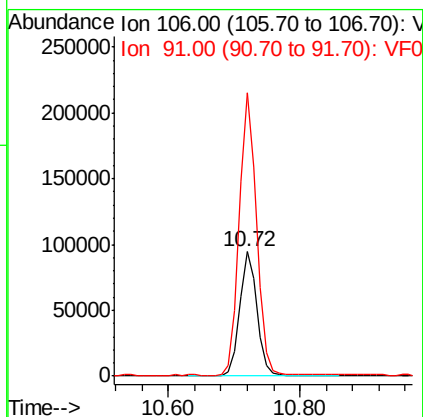
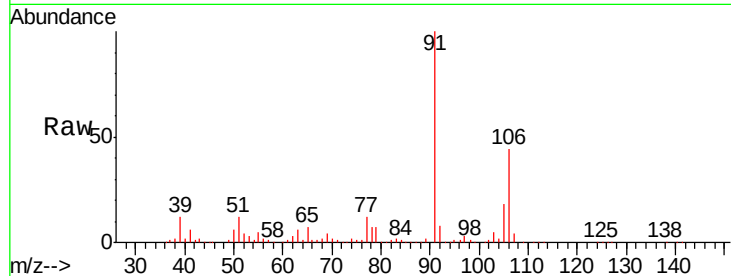
#69
o-Xylene
Concen: 44.05 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion:106 Resp: 174301
Ion Ratio Lower Upper
106 100
91 228.2 110.3 330.9

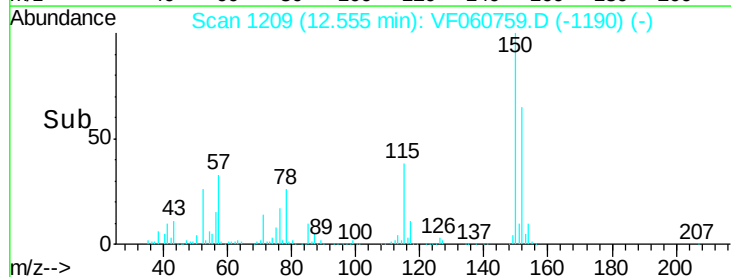
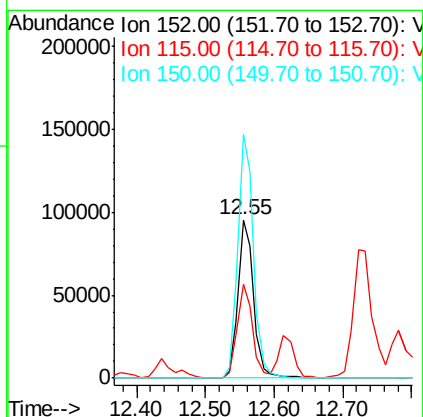
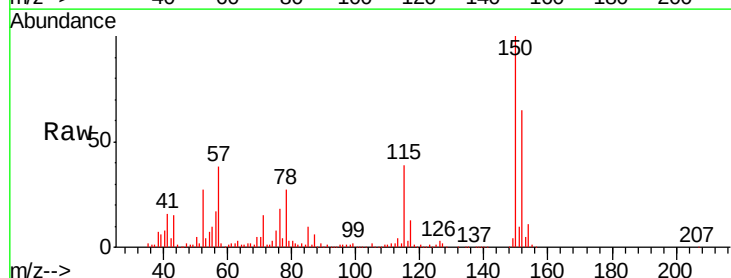
Manual Integrations
APPROVED

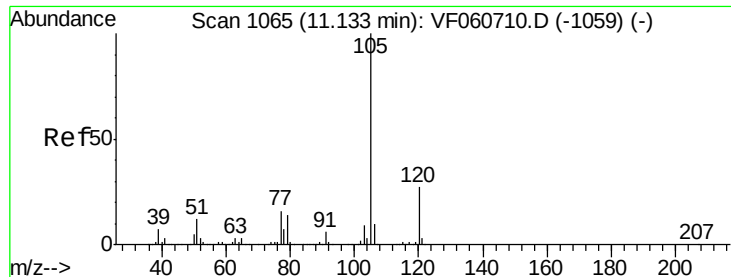
MMDadoda
11/16/2018 1:25:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.55 min Scan# 1209
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion:152 Resp: 149717
Ion Ratio Lower Upper
152 100
115 59.5 27.9 83.7
150 153.7 0.0 316.4





#73

Isopropylbenzene

Concen: 15.26 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampled :

T-3

Tgt Ion: 105 Resp: 183898

Ion Ratio Lower Upper

105 100

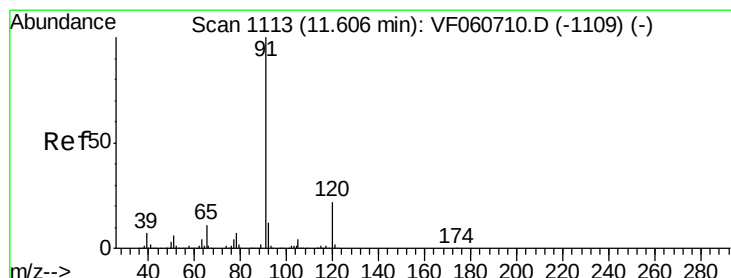
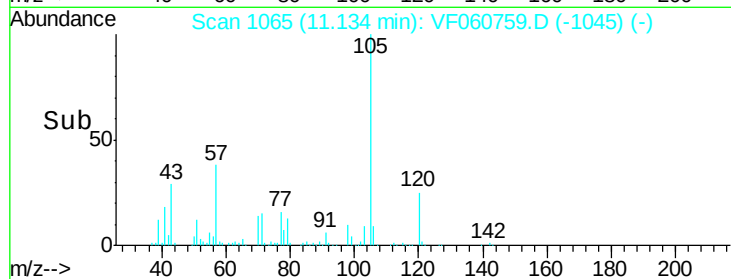
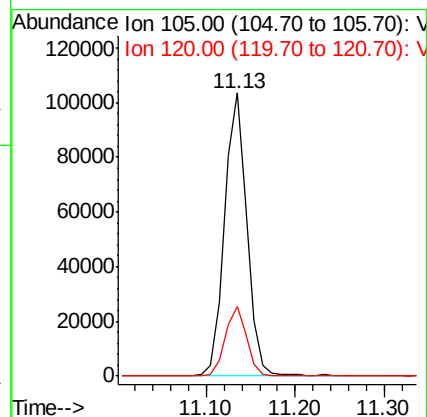
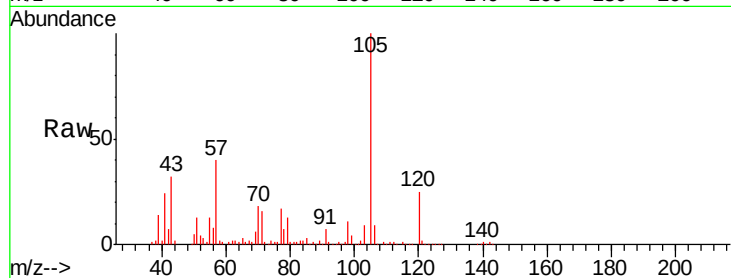
120 24.6 13.4 40.1

Manual Integrations

APPROVED

MMDadoda

11/16/2018 1:25:52 PM



#78

n-propylbenzene

Concen: 62.40 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060759.D

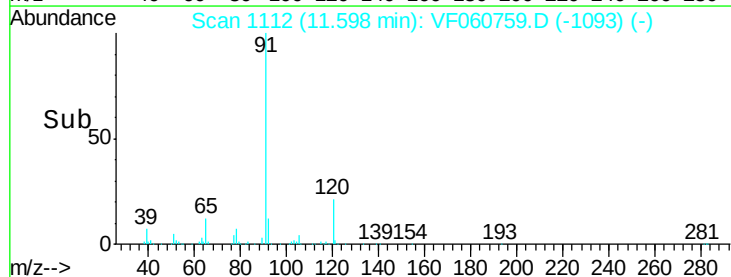
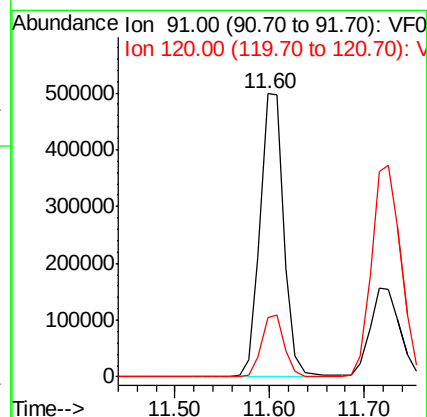
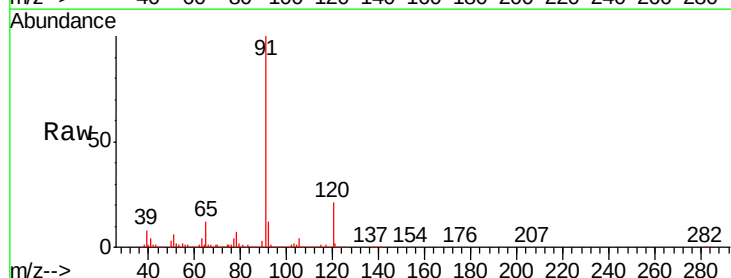
Acq: 15 Nov 2018 21:08

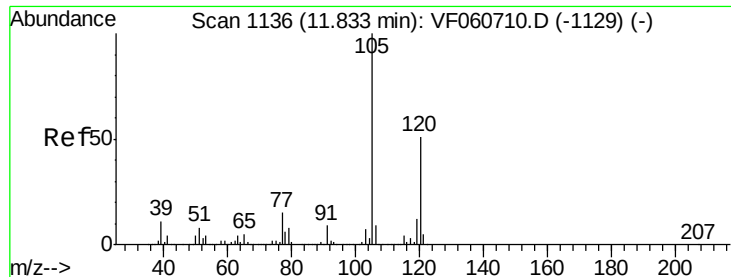
Tgt Ion: 91 Resp: 876992

Ion Ratio Lower Upper

91 100

120 20.9 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 115.59 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampled :

T-3

Tgt Ion:105 Resp: 1105926

Ion Ratio Lower Upper

105 100

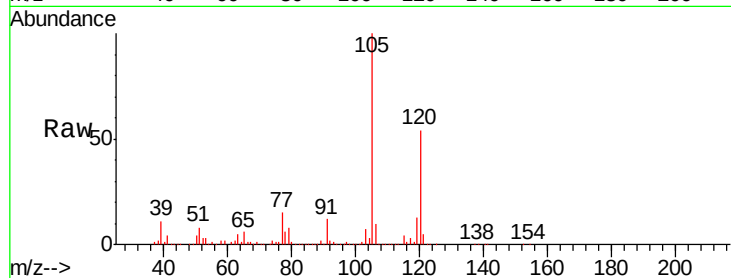
120 53.7 25.6 76.8

Manual Integrations

APPROVED

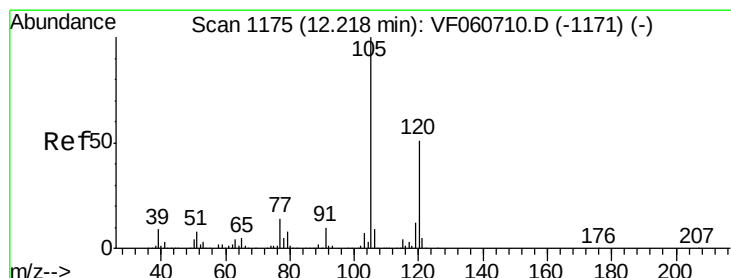
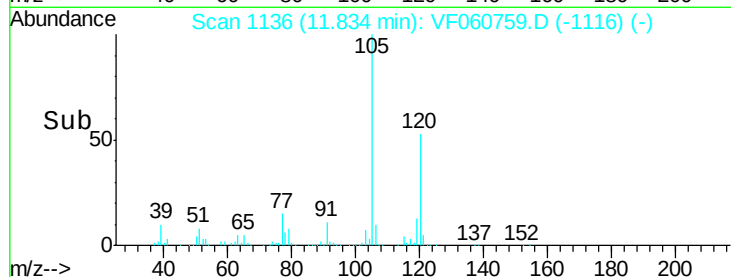
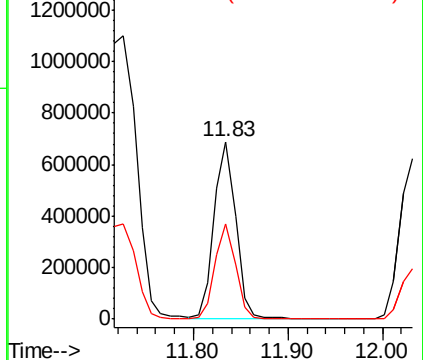
MMDadoda

11/16/2018 1:25:52 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 275.22 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VF060759.D

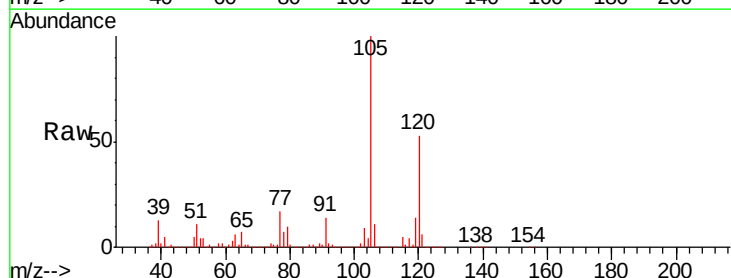
Acq: 15 Nov 2018 21:08

Tgt Ion:105 Resp: 2723309

Ion Ratio Lower Upper

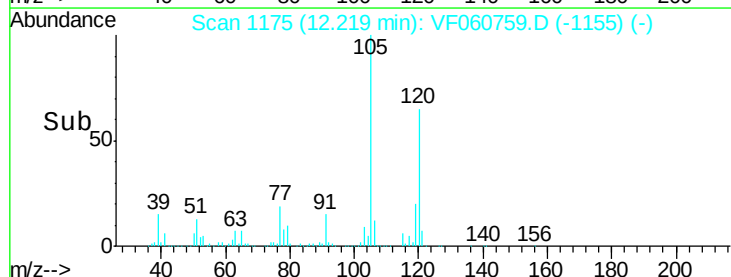
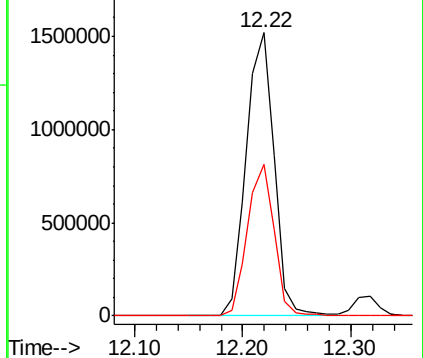
105 100

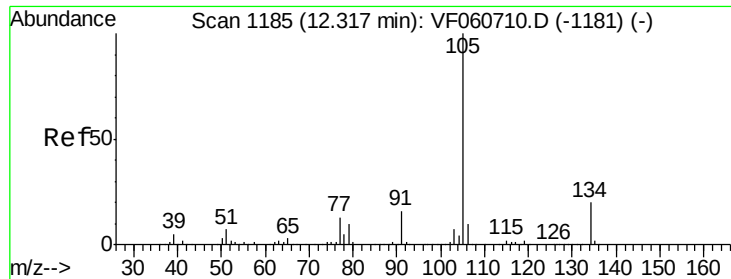
120 53.4 25.5 76.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 12.13 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

Instrument :

MSVOA_F

ClientSampled :

T-3

Tgt Ion:105 Resp: 167159

Ion Ratio Lower Upper

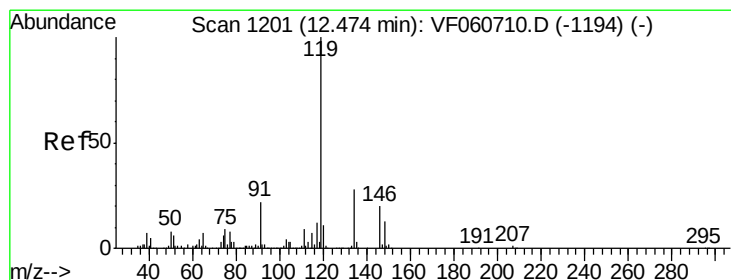
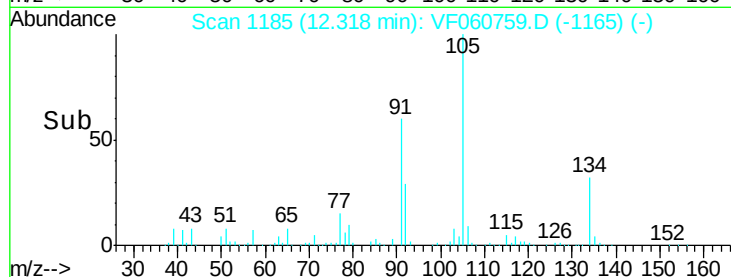
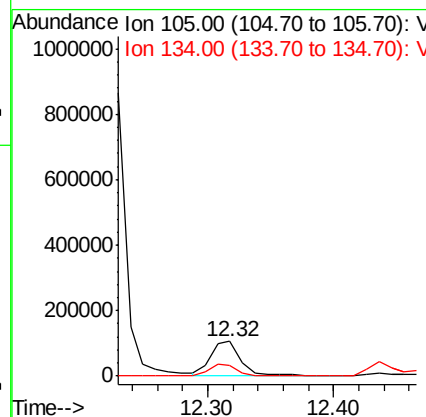
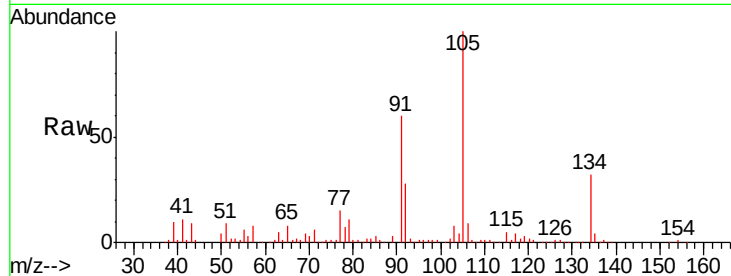
105 100

134 31.8 10.1 30.3#

Manual Integrations
APPROVED

MMDadoda

11/16/2018 1:25:52 PM



#86

p-Isopropyltoluene

Concen: 6.16 ug/l m

RT: 12.47 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF060759.D

Acq: 15 Nov 2018 21:08

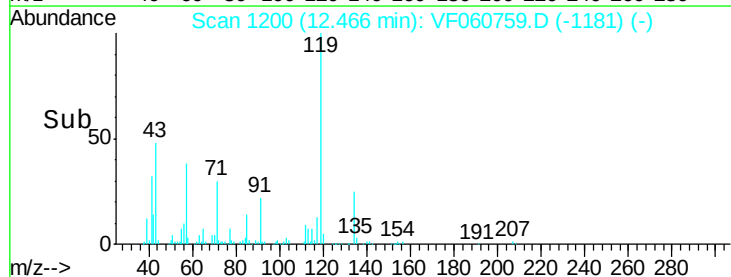
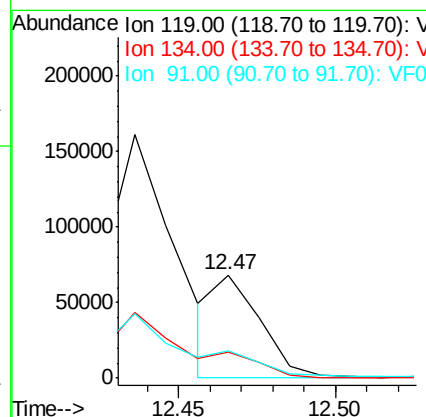
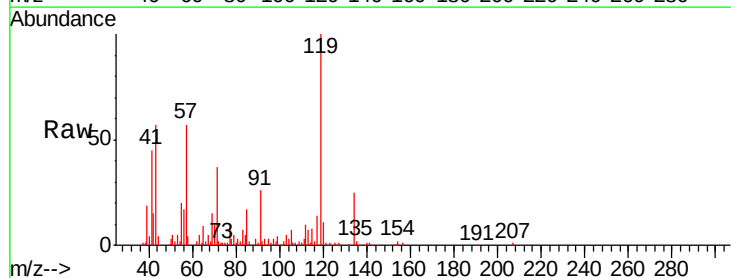
Tgt Ion:119 Resp: 70843

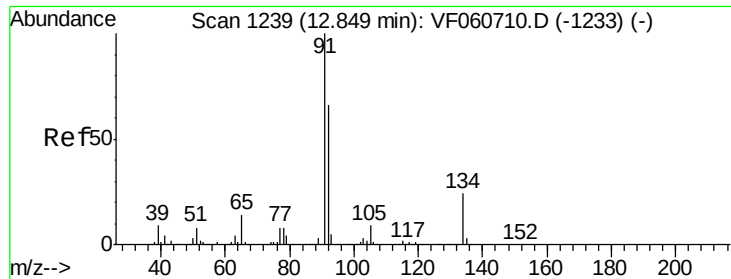
Ion Ratio Lower Upper

119 100

134 24.9 13.9 41.7

91 26.4 11.3 33.9





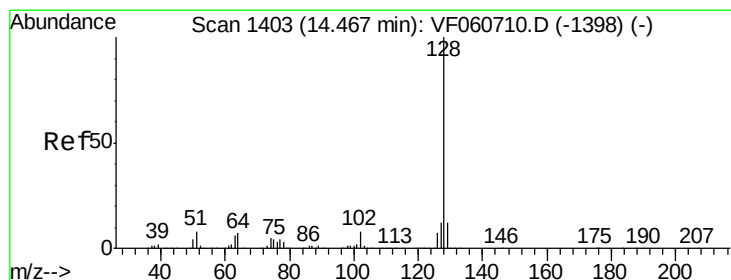
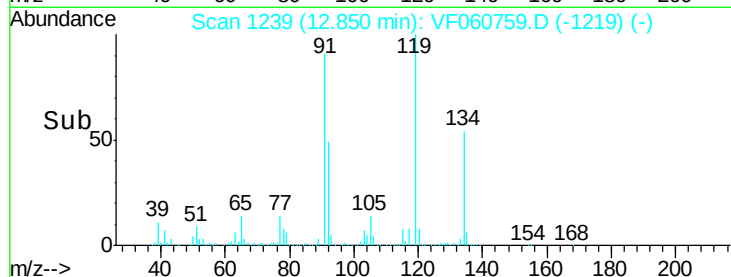
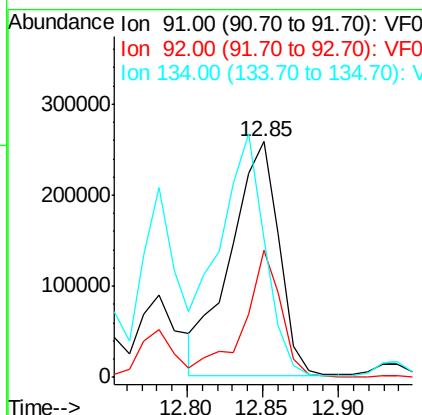
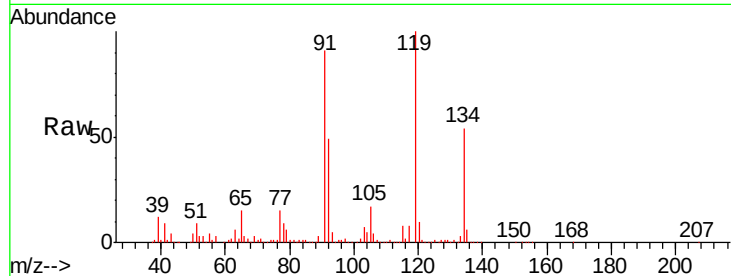
#89
n-Butylbenzene
Concen: 48.52 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Instrument :
MSVOA_F
ClientSampled :
T-3

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	569829		
92	53.9		33.1	99.2
134	58.9		11.9	35.9#

Manual Integrations
APPROVED

MMDadoda
11/16/2018 1:25:52 PM



#95
Naphthalene
Concen: 60.70 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060759.D
Acq: 15 Nov 2018 21:08

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	374196		
127	12.8		9.8	14.6
129	11.7		9.3	13.9

