

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
 Data File : VU025705.D
 Acq On : 28 Jul 2018 06:09
 Operator : MD/SY
 Sample : J4208-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0512

Manual Integrations
 APPROVED

MMDadoda
 7/31/2018 3:50:20 PM

Quant Time: Jul 30 09:07:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 27 13:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	177214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	275504	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	271373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	186464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	138823	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
35) Dibromofluoromethane	4.89	113	114906	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	7.57	98	401446	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	10.31	95	169587	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

						Qvalue
16) Acetone	2.32	43	14719	10.93	ug/l	100
31) Cyclohexane	5.00	56	46637	12.23	ug/l	94
39) Methylcyclohexane	6.42	83	70804	19.19	ug/l	98
52) Toluene	7.64	92	12723	2.18	ug/l	100
67) Ethyl Benzene	9.26	91	5522508	476.51	ug/l	100
68) m/p-Xylenes	9.38	106	6393086	1436.83	ug/l	98
69) o-Xylene	9.78	106	1563131	359.46	ug/l	98
73) Isopropylbenzene	10.17	105	561003	44.08	ug/l	100
78) n-propylbenzene	10.59	91	591226	39.80	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	786208	72.74	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	2208033	201.60	ug/l	98
85) sec-Butylbenzene	11.33	105	28837m	2.20	ug/l	
86) p-Isopropyltoluene	11.48	119	17648	1.50	ug/l	95
89) n-Butylbenzene	11.88	91	23489	2.17	ug/l #	19
95) Naphthalene	13.74	128	1151593	82.34	ug/l	99

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

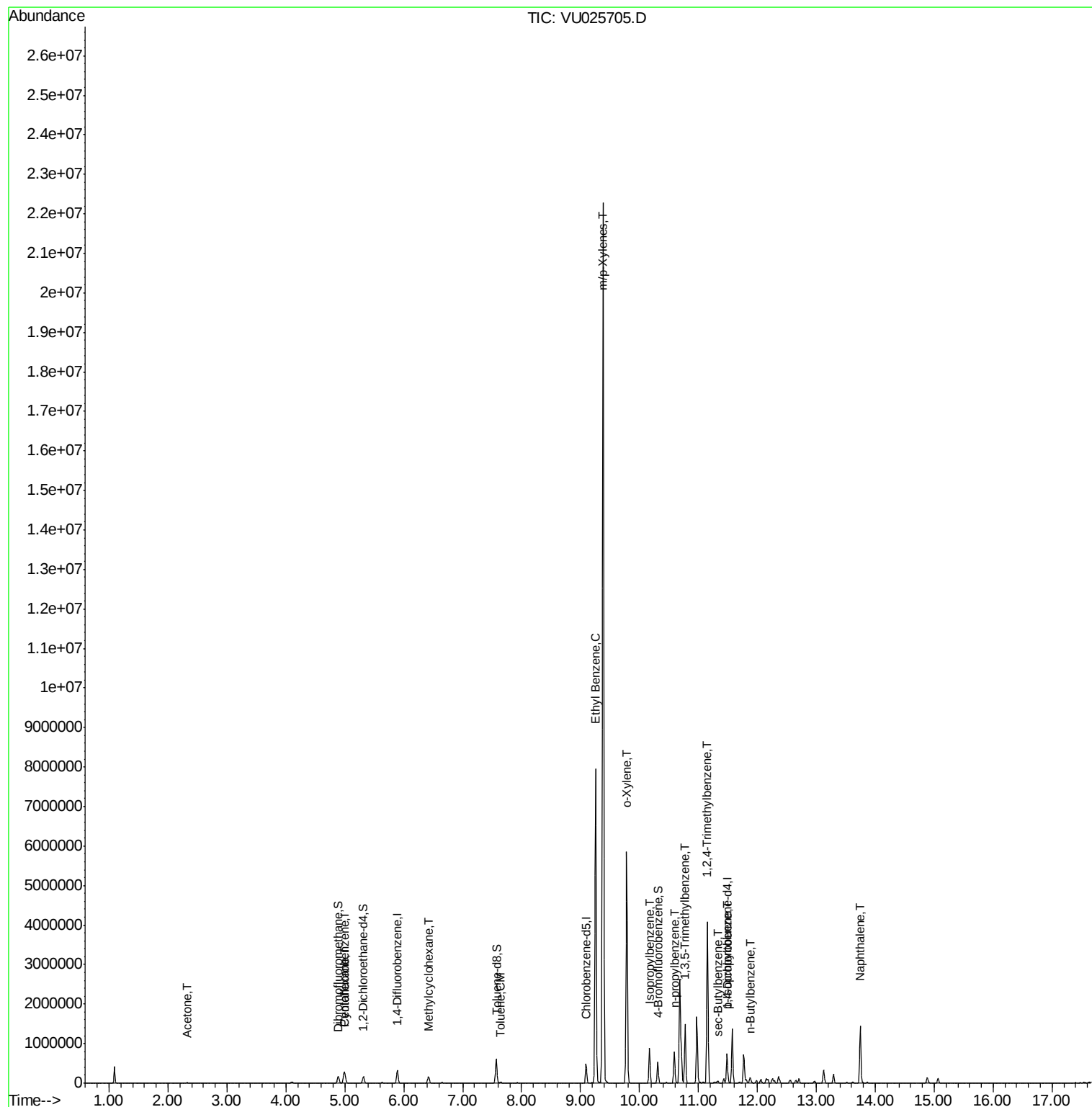
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072718\
Data File : VU025705.D
Acq On : 28 Jul 2018 06:09
Operator : MD/SY
Sample : J4208-02
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 51 Sample Multiplier: 1

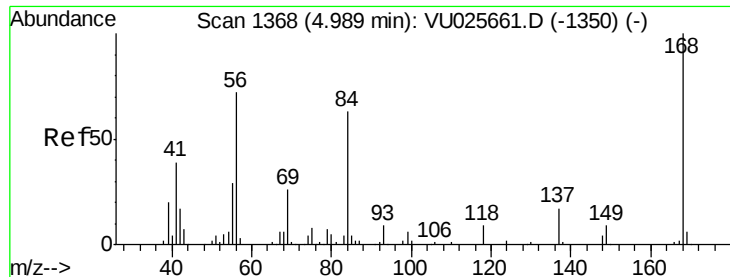
Instrument :
MSVOA_U
ClientSampleId :
FL-0512

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:50:20 PM

Quant Time: Jul 30 09:07:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U072718W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 27 13:11:52 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Instrument :

MSVOA_U

ClientSampleId :

FL-0512

Tot Ion:168 Resp: 177214

Ion Ratio Lower Upper

168 100

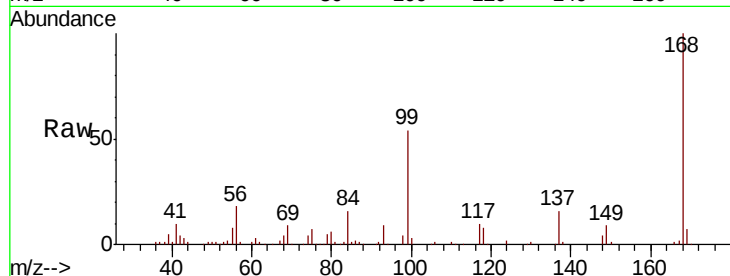
99 53.9 42.8 64.2

Manual Integrations

APPROVED

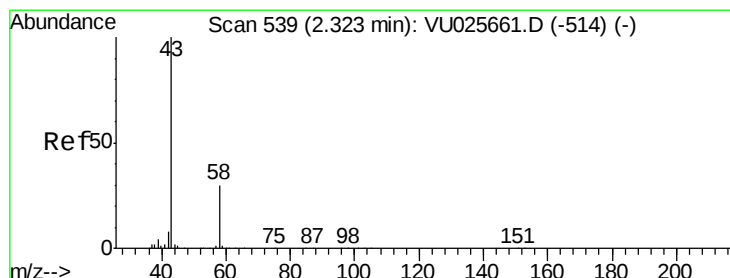
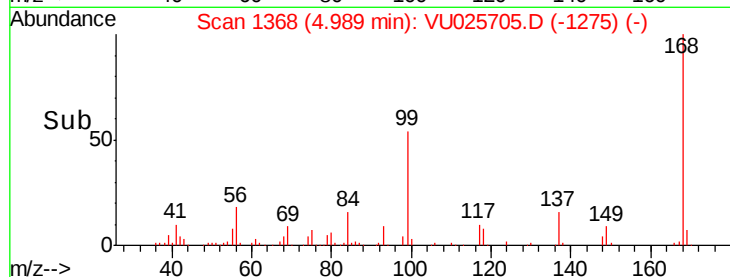
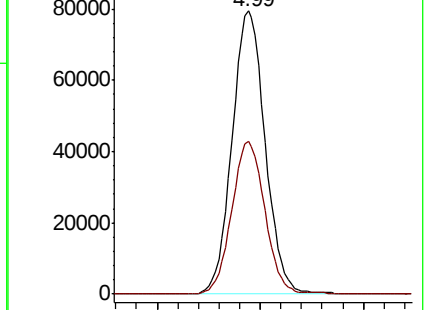
MMDadoda

7/31/2018 3:50:20 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025661.D (-1350) (-)

Ion 98.90 (98.60 to 99.60): VU025661.D (-1350) (-)



#16

Acetone

Concen: 10.93 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025705.D

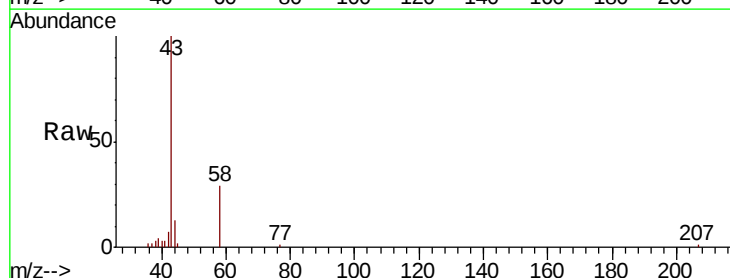
Acq: 28 Jul 2018 06:09

Tgt Ion: 43 Resp: 14719

Ion Ratio Lower Upper

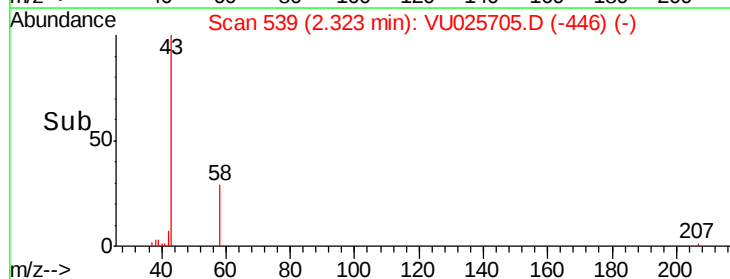
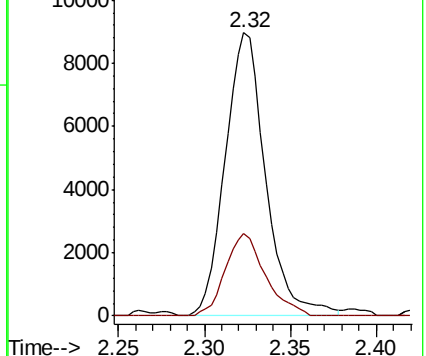
43 100

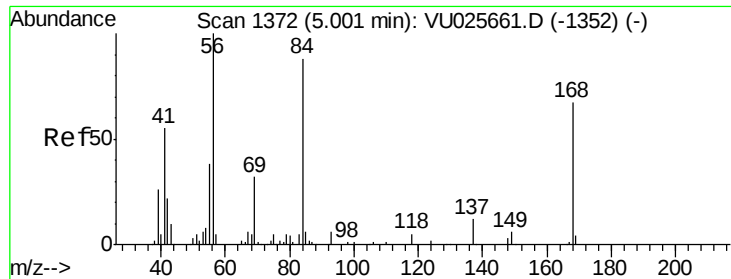
58 28.9 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU025661.D (-514) (-)

Ion 58.00 (57.70 to 58.70): VU025661.D (-514) (-)





#31

Cyclohexane

Concen: 12.23 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Instrument :

MSVOA_U

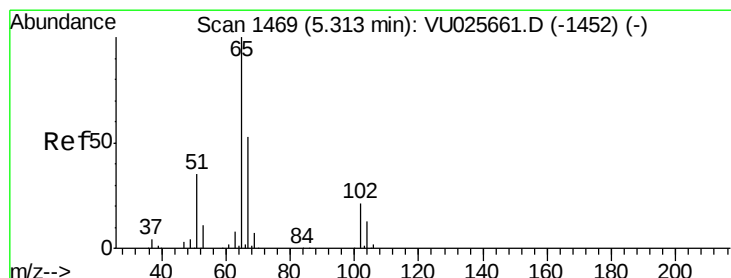
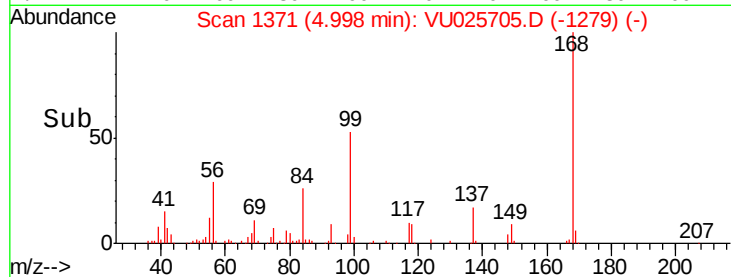
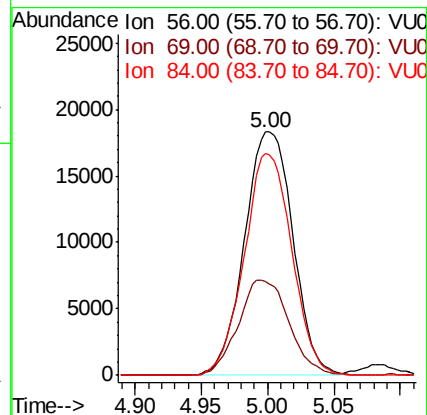
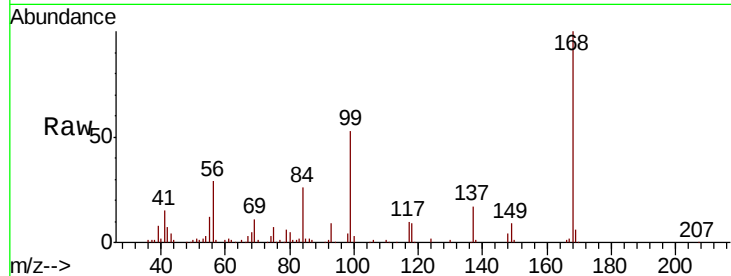
ClientSampleId :

FL-0512

Tot Ion:	56	Resp:	46637
Ion	Ratio	Lower	Upper
56	100		
69	38.5	26.8	40.2
84	91.4	69.7	104.5

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:50:20 PM



#33

1,2-Dichloroethane-d4

Concen: 50.28 ug/l

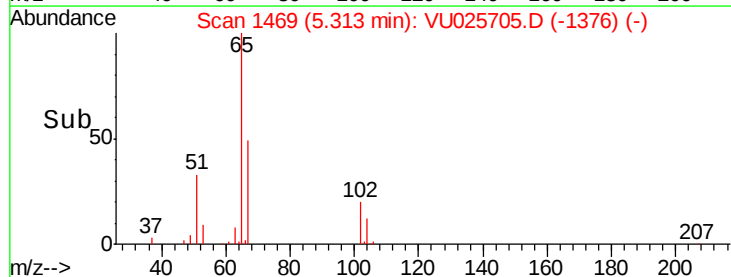
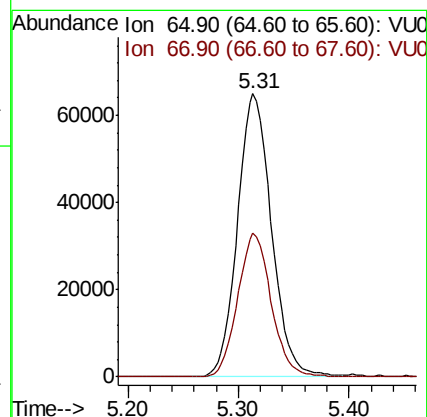
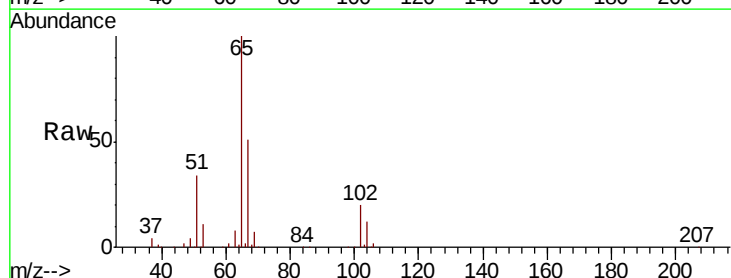
RT: 5.31 min Scan# 1469

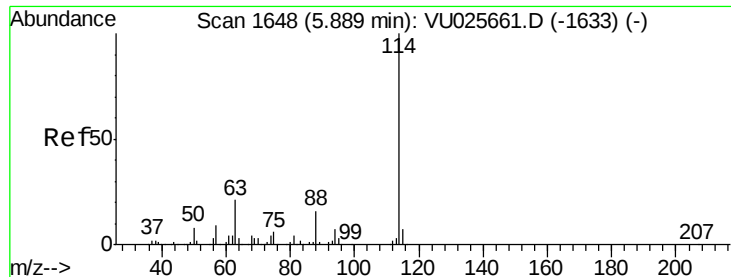
Delta R.T. 0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Tgt Ion:	65	Resp:	138823
Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	103.6





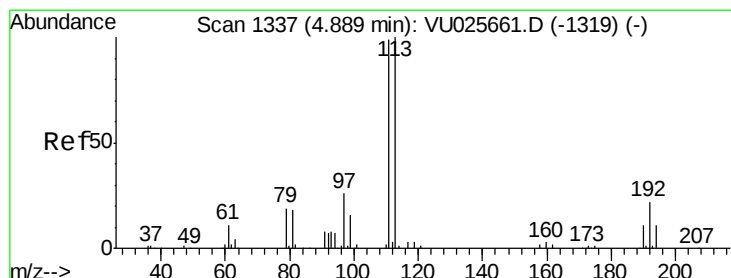
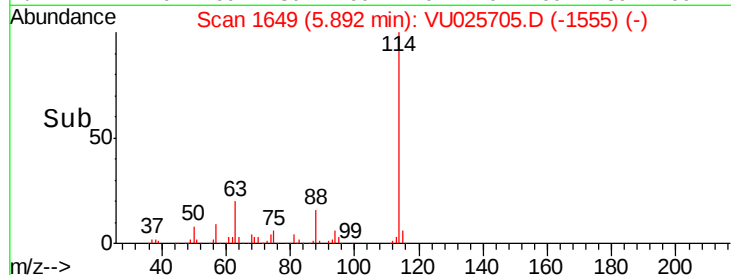
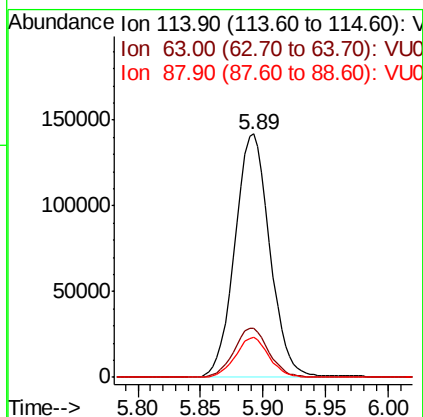
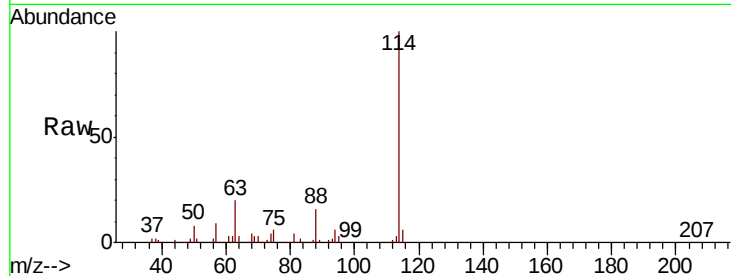
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025705.D
 Acq: 28 Jul 2018 06:09

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0512

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.2	0.0	41.6
88	16.2	0.0	32.4

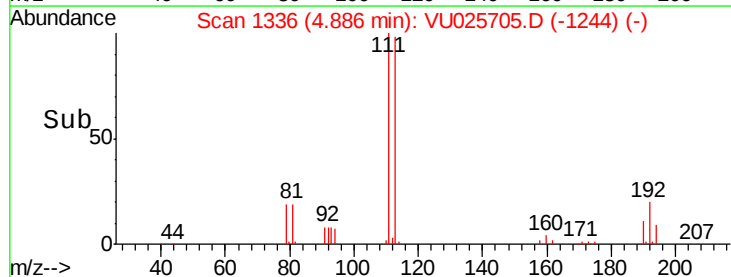
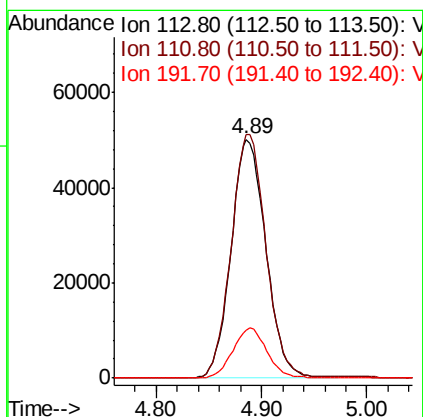
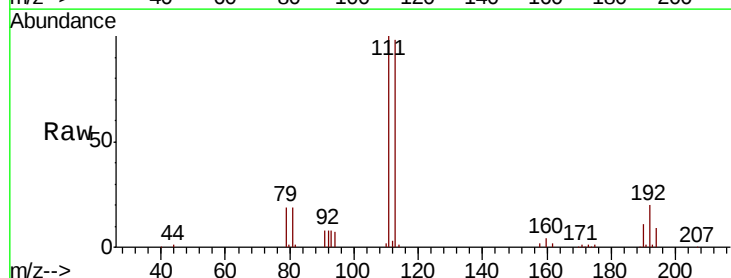
Manual Integrations
 APPROVED

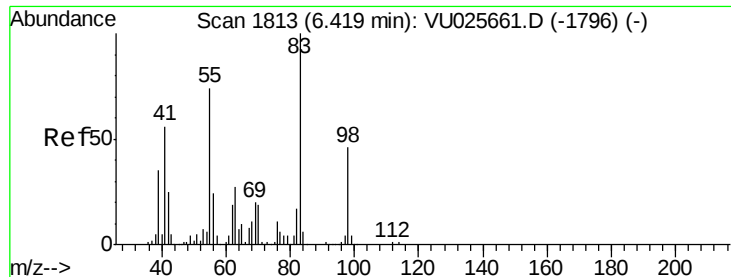
MMDadoda
 7/31/2018 3:50:20 PM



#35
 Dibromofluoromethane
 Concen: 47.95 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025705.D
 Acq: 28 Jul 2018 06:09

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.6	81.7	122.5
192	20.5	17.1	25.7





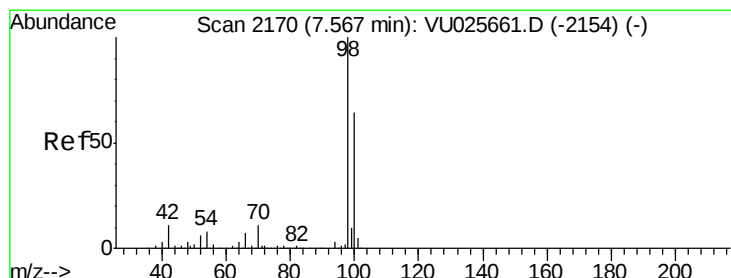
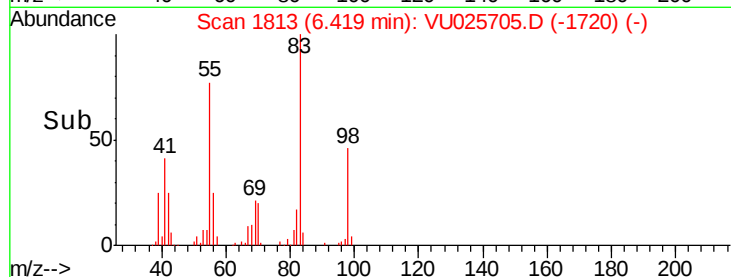
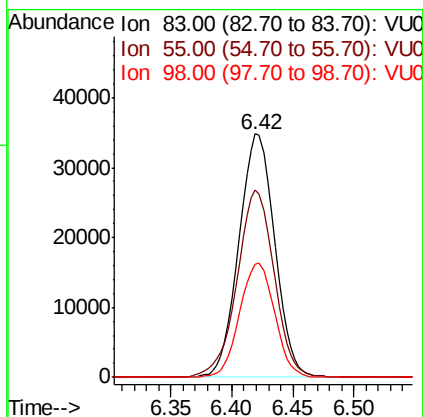
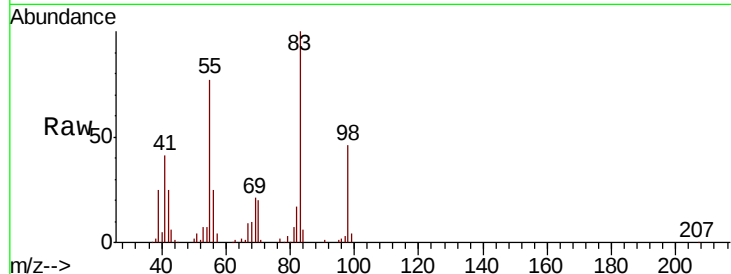
#39
Methvlcvclohexane
Concen: 19.19 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025705.D
Acq: 28 Jul 2018 06:09

Instrument :
MSVOA_U
ClientSampleId :
FL-0512

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	60.0	90.0
98	46.2	36.1	54.1

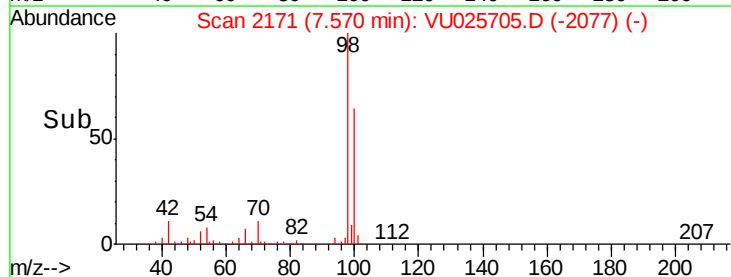
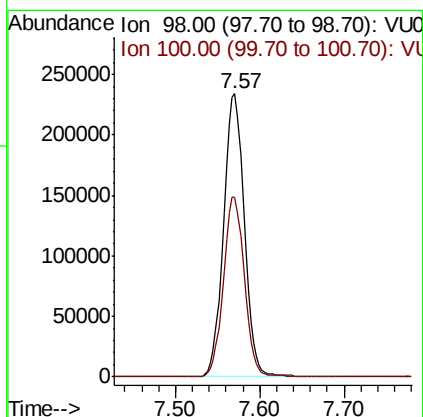
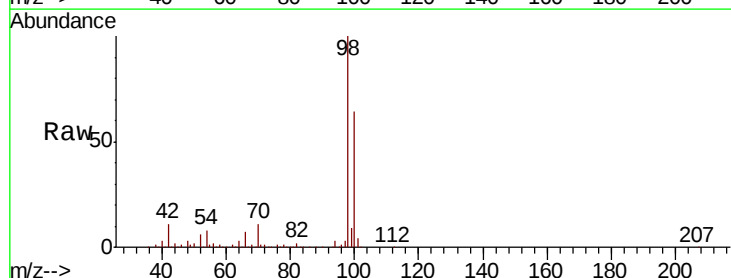
Manual Integrations
APPROVED

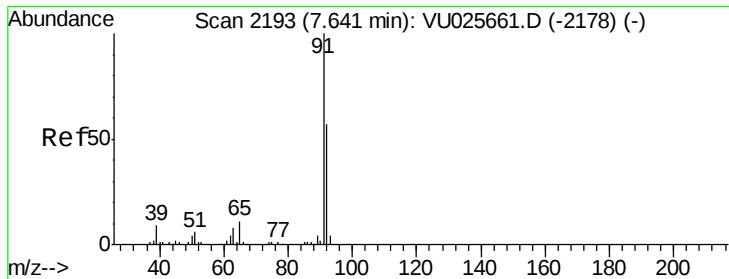
MMDadoda
7/31/2018 3:50:20 PM



#50
Toluene-d8
Concen: 47.88 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025705.D
Acq: 28 Jul 2018 06:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.1	76.7





#52

Toluene

Concen: 2.18 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Instrument :

MSVOA_U

ClientSampleId :

FL-0512

Tot Ion: 92 Resp: 12723

Ion Ratio Lower Upper

92 100

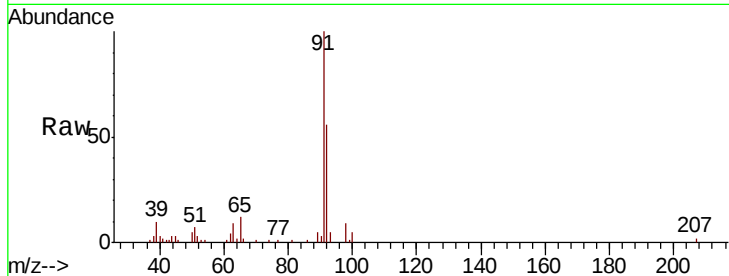
91 174.2 139.2 208.8

Manual Integrations

APPROVED

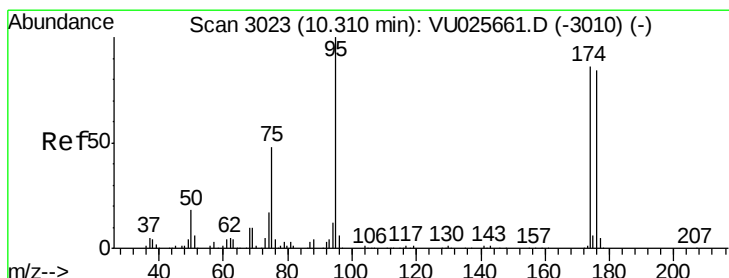
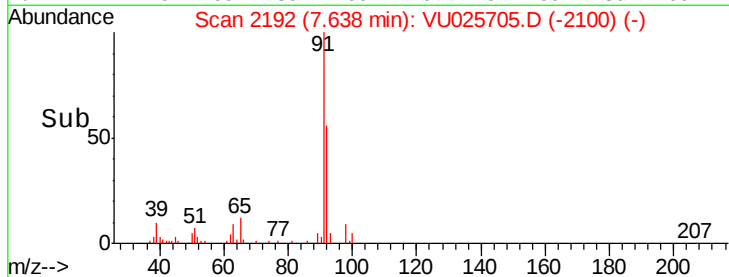
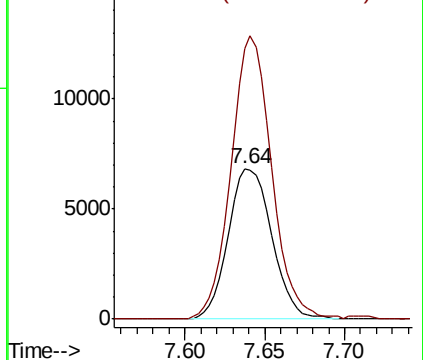
MMDadoda

7/31/2018 3:50:20 PM



Abundance Ion 92.00 (91.70 to 92.70): VU025661.D (-2178) (-)

Ion 91.00 (90.70 to 91.70): VU025661.D (-2178) (-)



#62

4-Bromofluorobenzene

Concen: 52.11 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

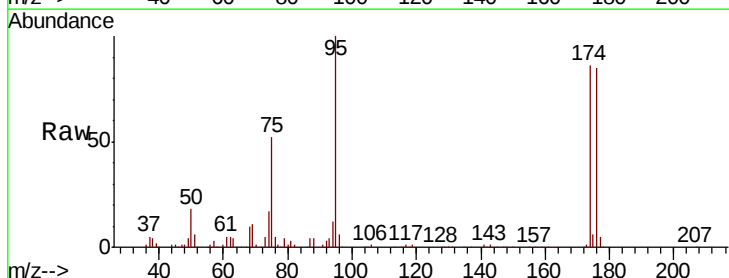
Tgt Ion: 95 Resp: 169587

Ion Ratio Lower Upper

95 100

174 88.1 0.0 172.2

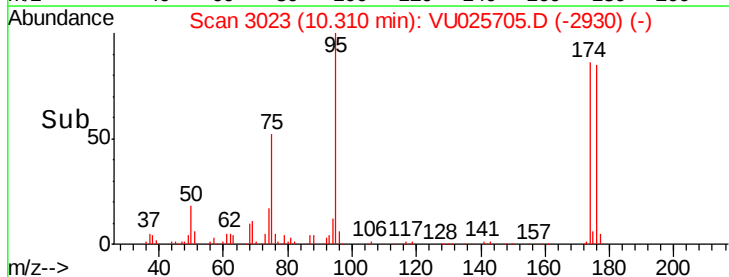
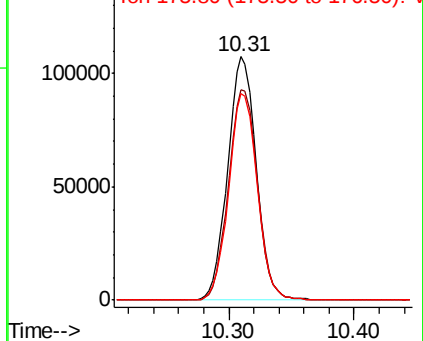
176 85.0 0.0 162.6

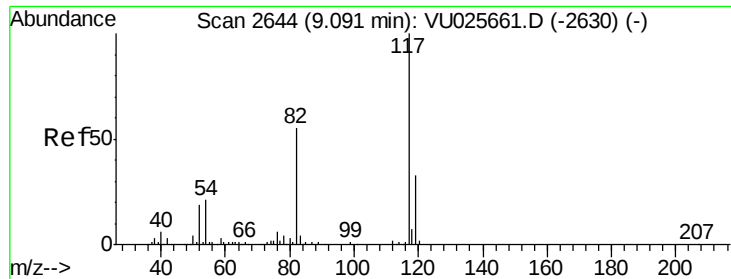


Abundance Ion 94.90 (94.60 to 95.60): VU025661.D (-3010) (-)

Ion 173.80 (173.50 to 174.50): VU025661.D (-3010) (-)

Ion 175.80 (175.50 to 176.50): VU025661.D (-3010) (-)





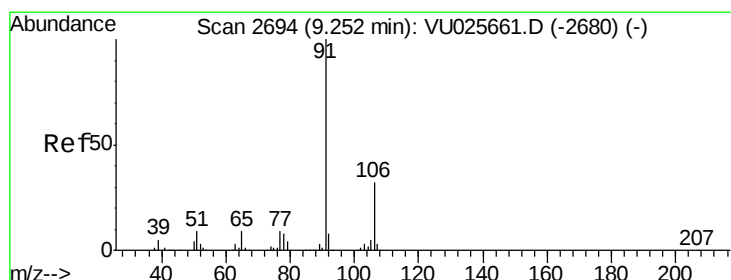
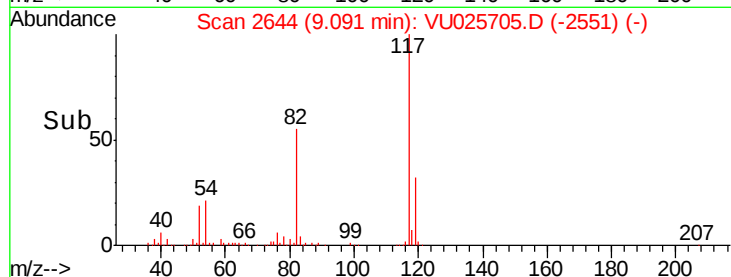
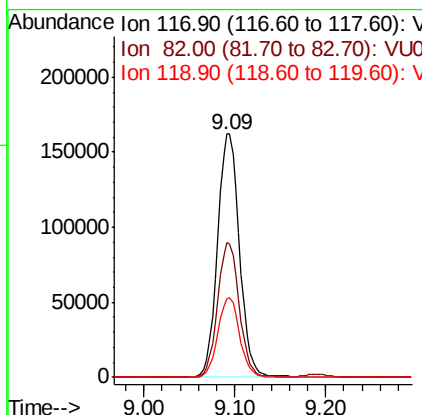
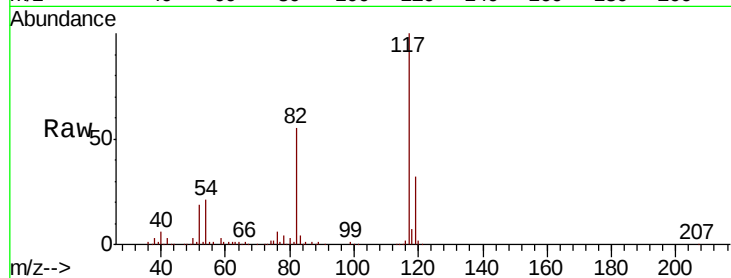
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025705.D
Acq: 28 Jul 2018 06:09

Instrument :
MSVOA_U
ClientSampleId :
FL-0512

Tot Ion	Ratio	Resp	Lower	Upper
117	100	271373		
82	55.4	46.0	69.0	
119	32.4	26.0	39.0	

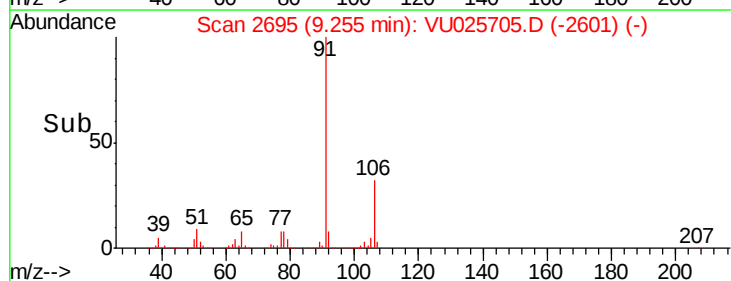
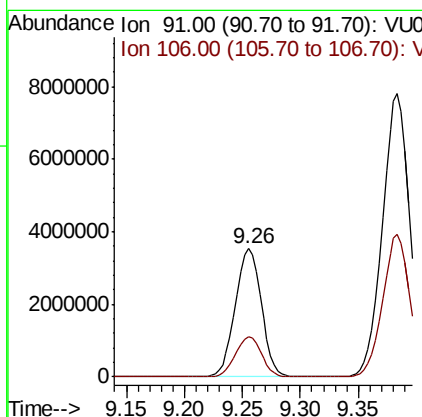
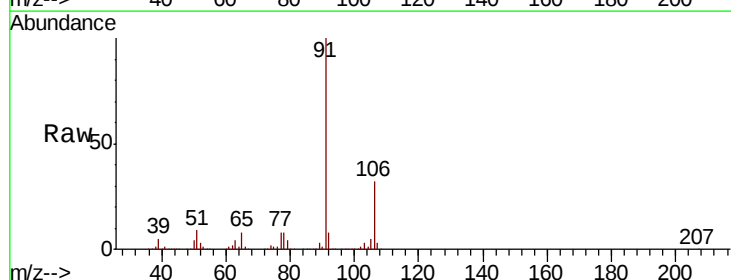
Manual Integrations
APPROVED

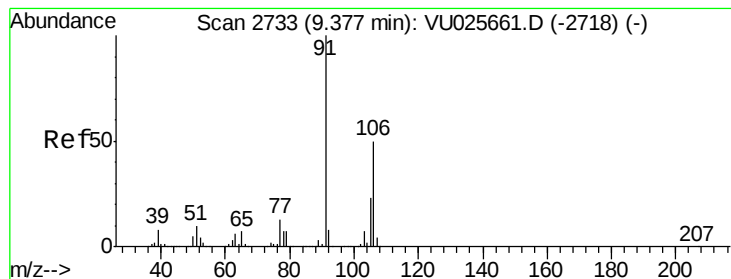
MMDadoda
7/31/2018 3:50:20 PM



#67
Ethyl Benzene
Concen: 476.51 ug/l
RT: 9.26 min Scan# 2695
Delta R.T. 0.00 min
Lab File: VU025705.D
Acq: 28 Jul 2018 06:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	5522508		
106	31.6	25.3	37.9	





#68

m/p-Xylenes

Concen: 1436.83 ug/l

RT: 9.38 min Scan# 2735

Delta R.T. 0.01 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Instrument :

MSVOA_U

ClientSampleId :

FL-0512

Tot Ion:106 Resp: 6393086

Ion Ratio Lower Upper

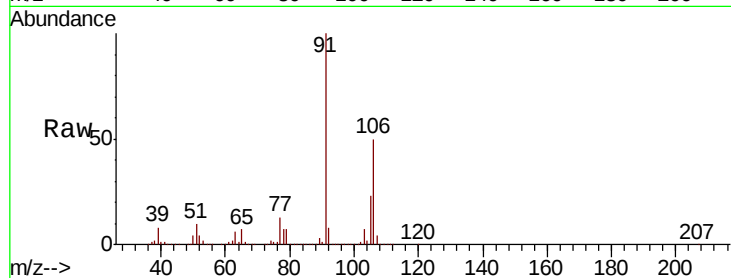
106 100

91 199.5 162.3 243.5

Manual Integrations
APPROVED

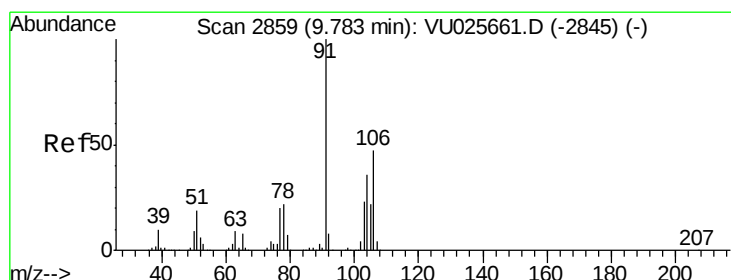
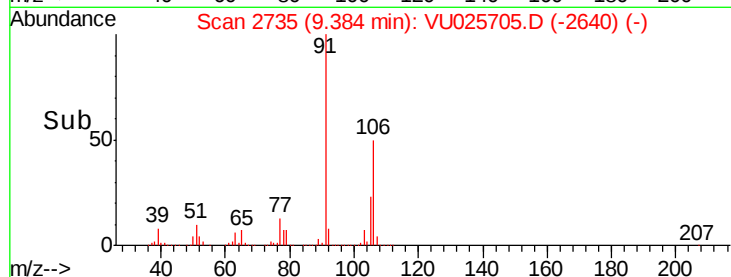
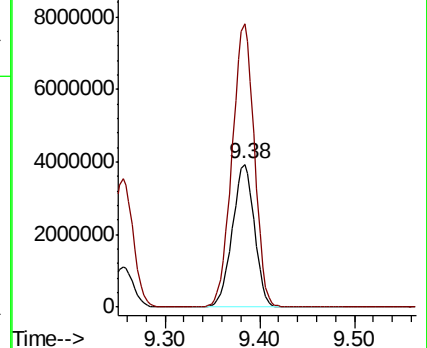
MMDadoda

7/31/2018 3:50:20 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

o-Xylene

Concen: 359.46 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU025705.D

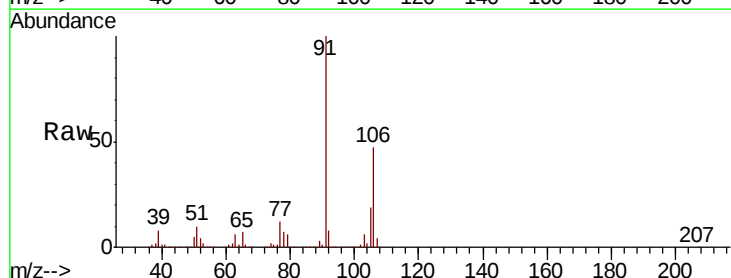
Acq: 28 Jul 2018 06:09

Tgt Ion:106 Resp: 1563131

Ion Ratio Lower Upper

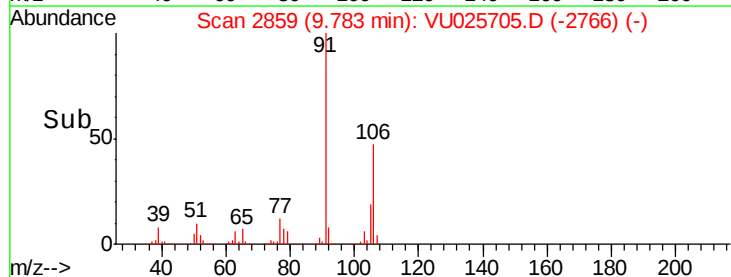
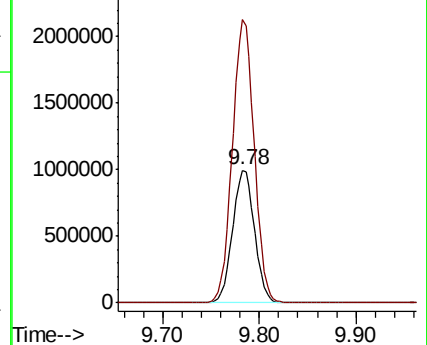
106 100

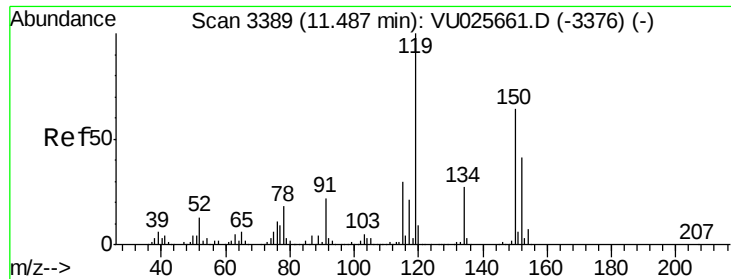
91 213.1 105.3 315.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Instrument :

MSVOA_U

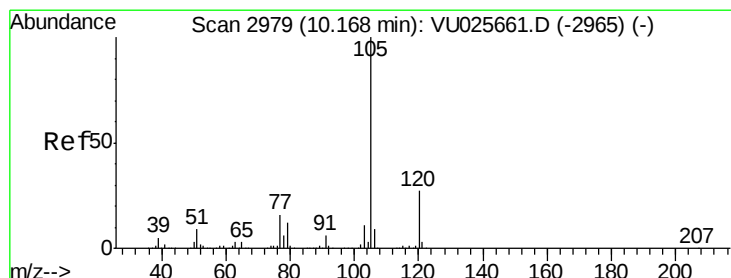
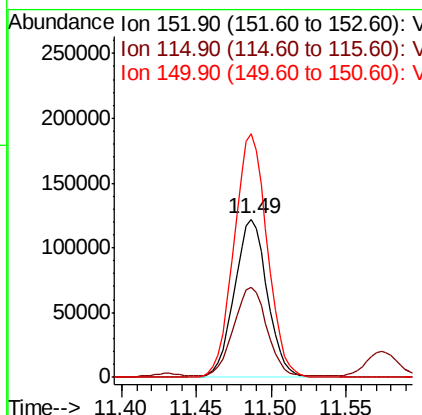
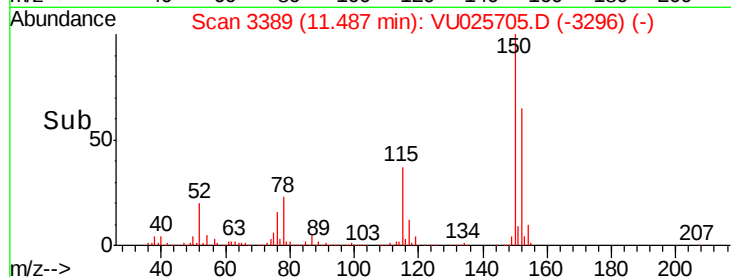
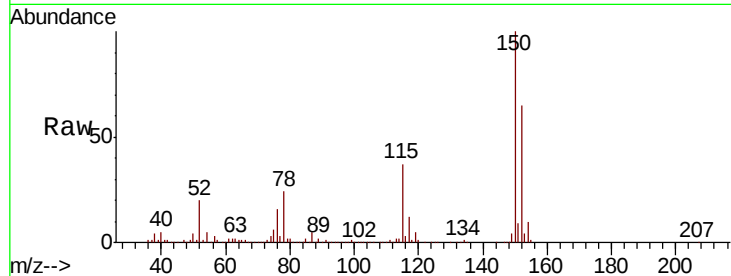
ClientSampled :

FL-0512

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.7	40.1	120.3
150	155.7	0.0	351.4

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:50:20 PM



#73

Isopropylbenzene

Concen: 44.08 ug/l

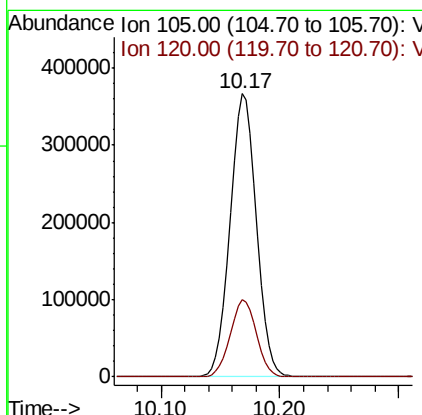
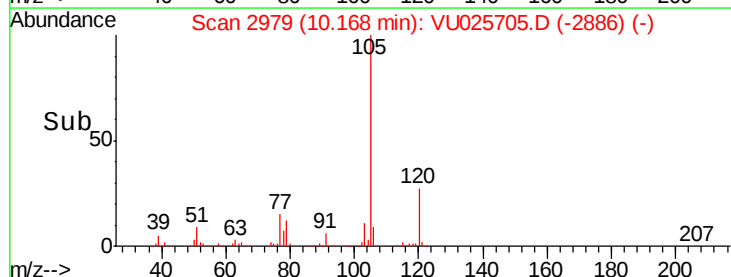
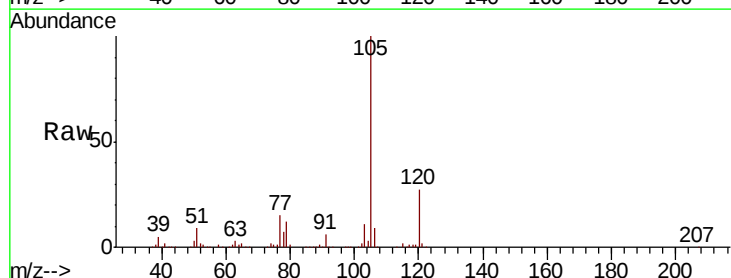
RT: 10.17 min Scan# 2979

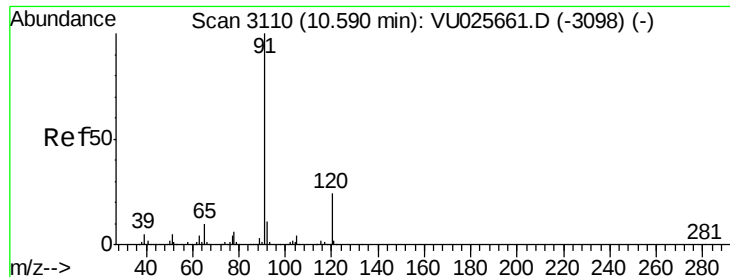
Delta R.T. 0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.5	40.5





#78

n-propylbenzene

Concen: 39.80 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025705.D

Acq: 28 Jul 2018 06:09

Instrument :

MSVOA_U

ClientSampled :

FL-0512

Tot Ion: 91 Resp: 591226

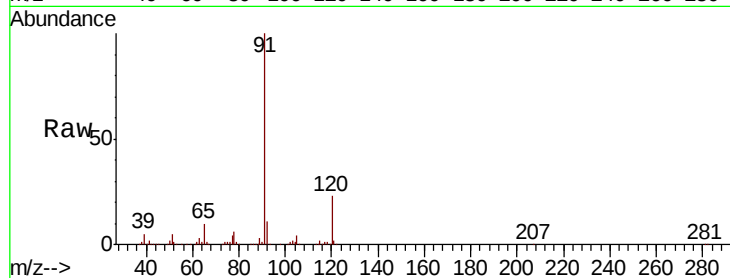
Ion Ratio Lower Upper

91 100

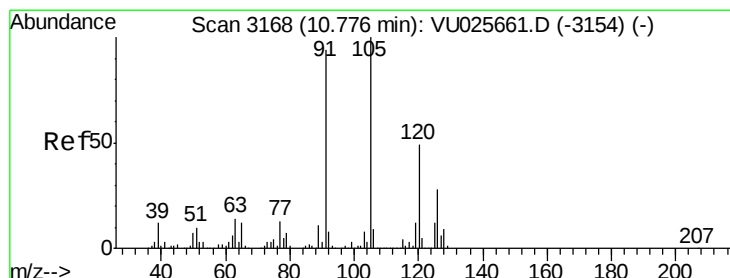
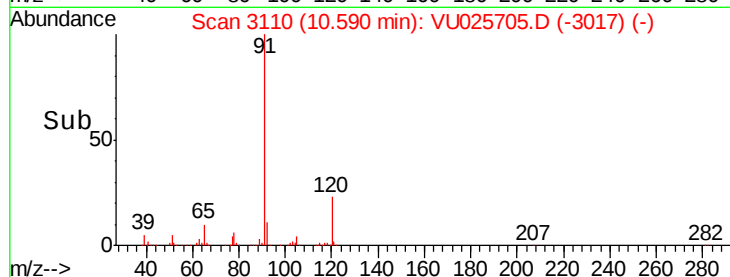
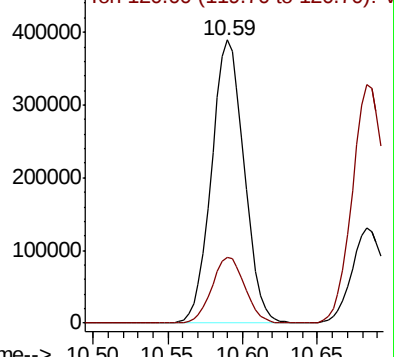
120 23.6 11.8 35.3

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:50:20 PM



Abundance Ion 91.00 (90.70 to 91.70): VU025661.D (-3098) (-)



#80

1,3,5-Trimethylbenzene

Concen: 72.74 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU025705.D

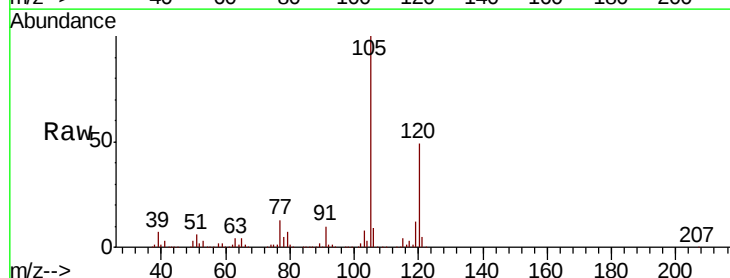
Acq: 28 Jul 2018 06:09

Tgt Ion: 105 Resp: 786208

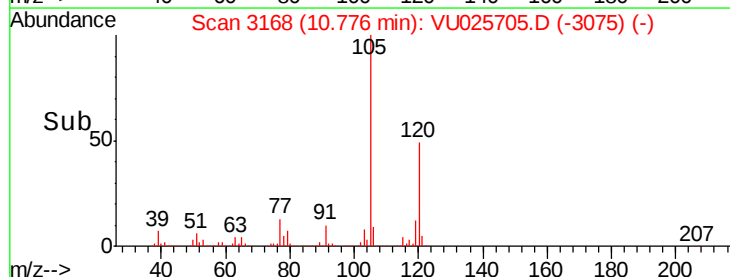
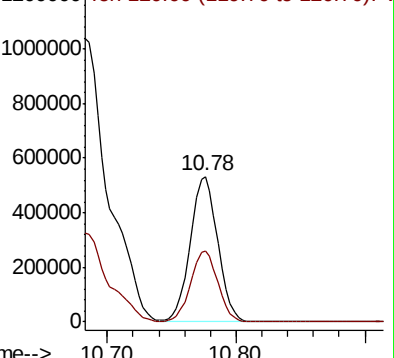
Ion Ratio Lower Upper

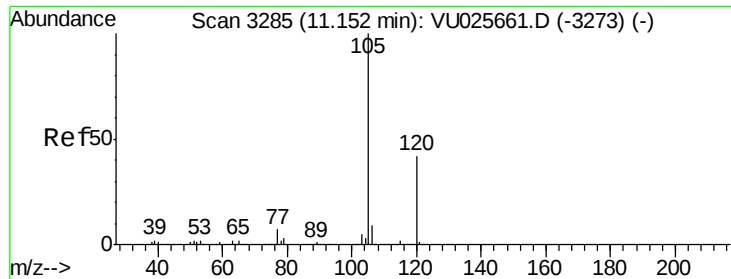
105 100

120 48.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU025661.D (-3154) (-)





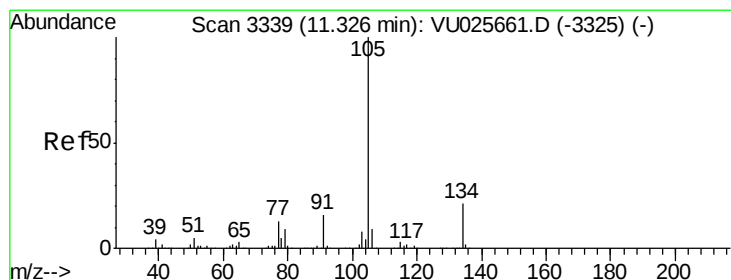
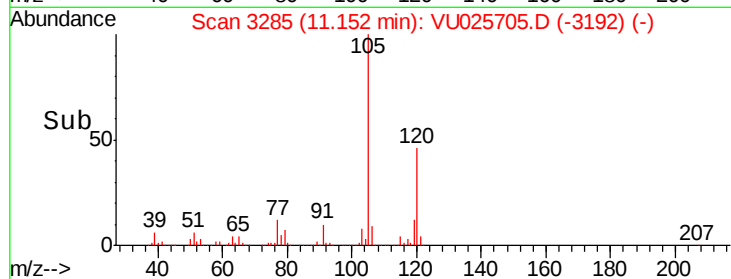
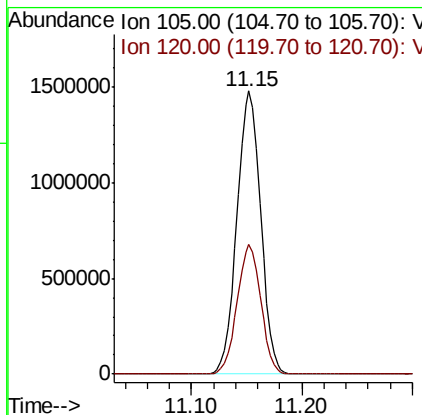
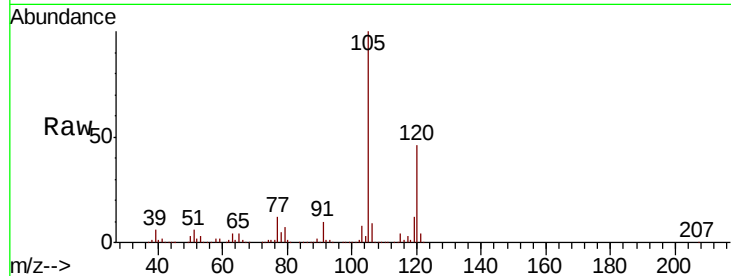
#84
 1,2,4-Trimethylbenzene
 Concen: 201.60 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025705.D
 Acq: 28 Jul 2018 06:09

Instrument :
 MSVOA_U
 ClientSampleId :
 FL-0512

Tot Ion:105 Resp: 2208033
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.3 66.8

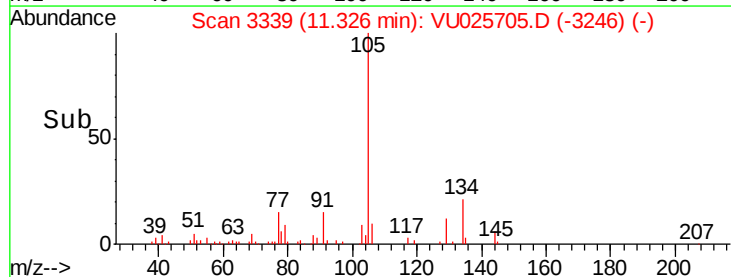
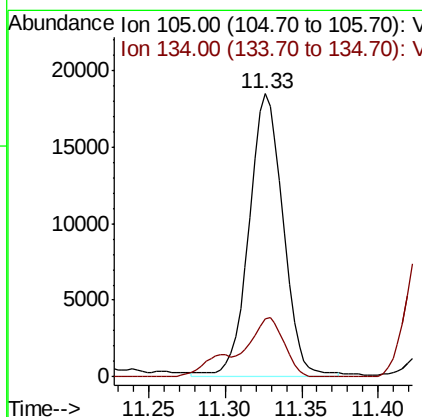
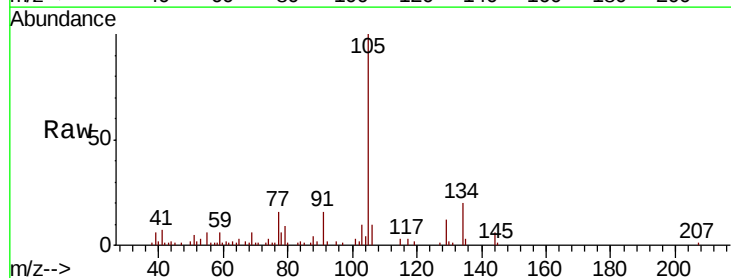
Manual Integrations
 APPROVED

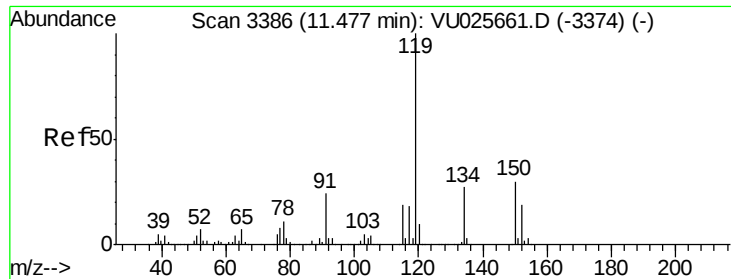
MMDadoda
 7/31/2018 3:50:20 PM



#85
 sec-Butylbenzene
 Concen: 2.20 ug/l m
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025705.D
 Acq: 28 Jul 2018 06:09

Tgt Ion:105 Resp: 28837
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#





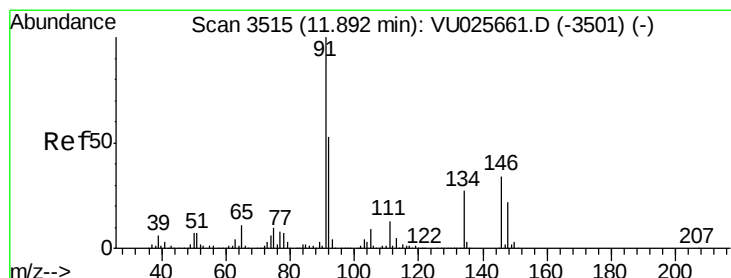
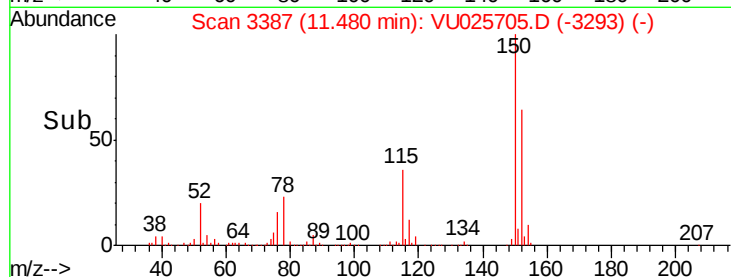
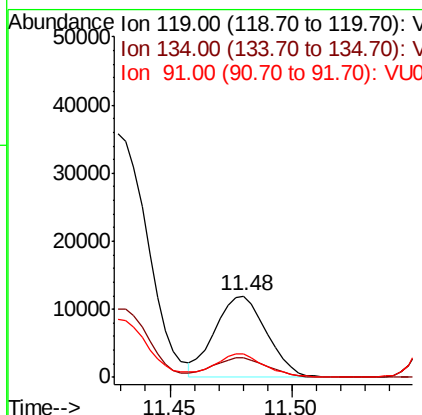
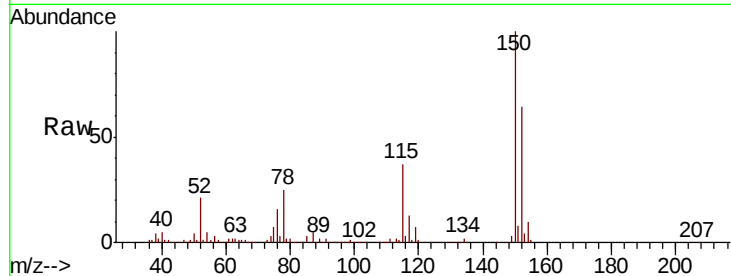
#86
p-Isopropyltoluene
Concen: 1.50 ug/l
RT: 11.48 min Scan# 3387
Delta R.T. 0.00 min
Lab File: VU025705.D
Acq: 28 Jul 2018 06:09

Instrument :
MSVOA_U
ClientSampleId :
FL-0512

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.2	39.5
91	28.1	12.0	36.1

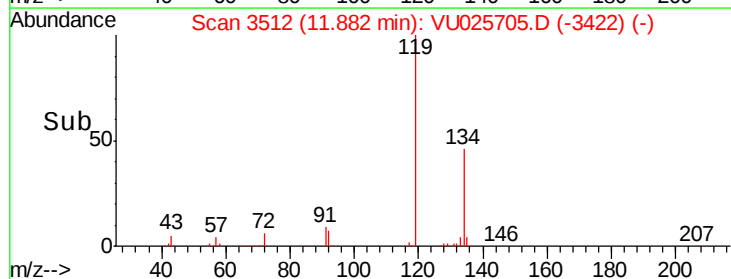
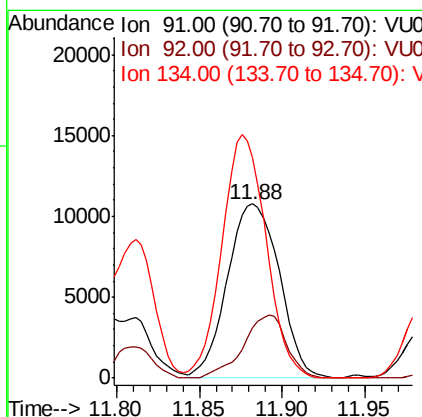
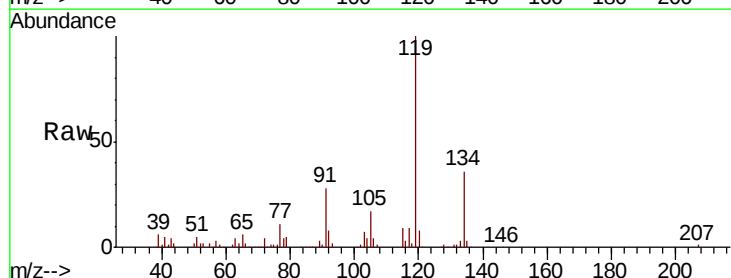
Manual Integrations
APPROVED

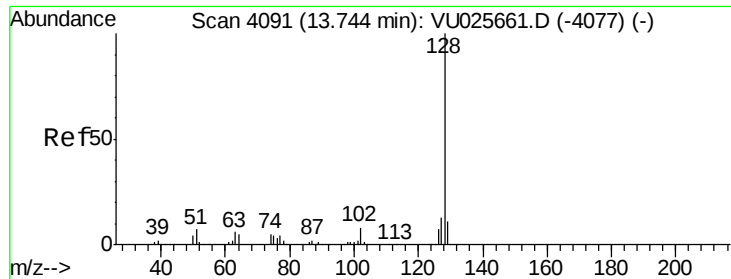
MMDadoda
7/31/2018 3:50:20 PM



#89
n-Butylbenzene
Concen: 2.17 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. -0.01 min
Lab File: VU025705.D
Acq: 28 Jul 2018 06:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	30.4	26.5	79.5
134	118.4	13.6	40.7#





#95
Naphthalene
Concen: 82.34 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU025705.D
Acq: 28 Jul 2018 06:09

Instrument :
MSVOA_U
ClientSampleId :
FL-0512

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
7/31/2018 3:50:20 PM

