

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU100418\
 Data File : VU027428.D
 Acq On : 04 Oct 2018 23:07
 Operator : MD/SY
 Sample : J5165-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-F-092718

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:37 PM

Quant Time: Oct 05 08:29:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	104150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	185464	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	102394	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	104598	60.14	ug/l	0.00
Spiked Amount			Recovery	=	120.28%	
35) Dibromofluoromethane	4.89	113	70106	55.16	ug/l	0.00
Spiked Amount			Recovery	=	110.32%	
50) Toluene-d8	7.57	98	285022	59.91	ug/l	0.00
Spiked Amount			Recovery	=	119.82%	
62) 4-Bromofluorobenzene	10.31	95	110729	62.63	ug/l	0.00
Spiked Amount			Recovery	=	125.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.83	59	3270	8.929	ug/l #	85
16) Acetone	2.32	43	61973	60.320	ug/l	98
17) Carbon Disulfide	2.48	76	15895	4.006	ug/l	97
25) 2-Butanone	4.27	43	10353	7.390	ug/l	100
30) Chloroform	4.68	83	4284	1.766	ug/l	90
73) Isopropylbenzene	10.17	105	6880	0.925	ug/l	100
78) n-propylbenzene	10.59	91	10787	1.207	ug/l	96
83) tert-Butylbenzene	11.10	119	24500	4.186	ug/l	87
84) 1,2,4-Trimethylbenzene	11.15	105	177502	28.700	ug/l	99
85) sec-Butylbenzene	11.32	105	24112	3.269	ug/l	98
86) p-Isopropyltoluene	11.48	119	13176	2.087	ug/l	95
89) n-Butylbenzene	11.88	91	6740m	2.916	ug/l	

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

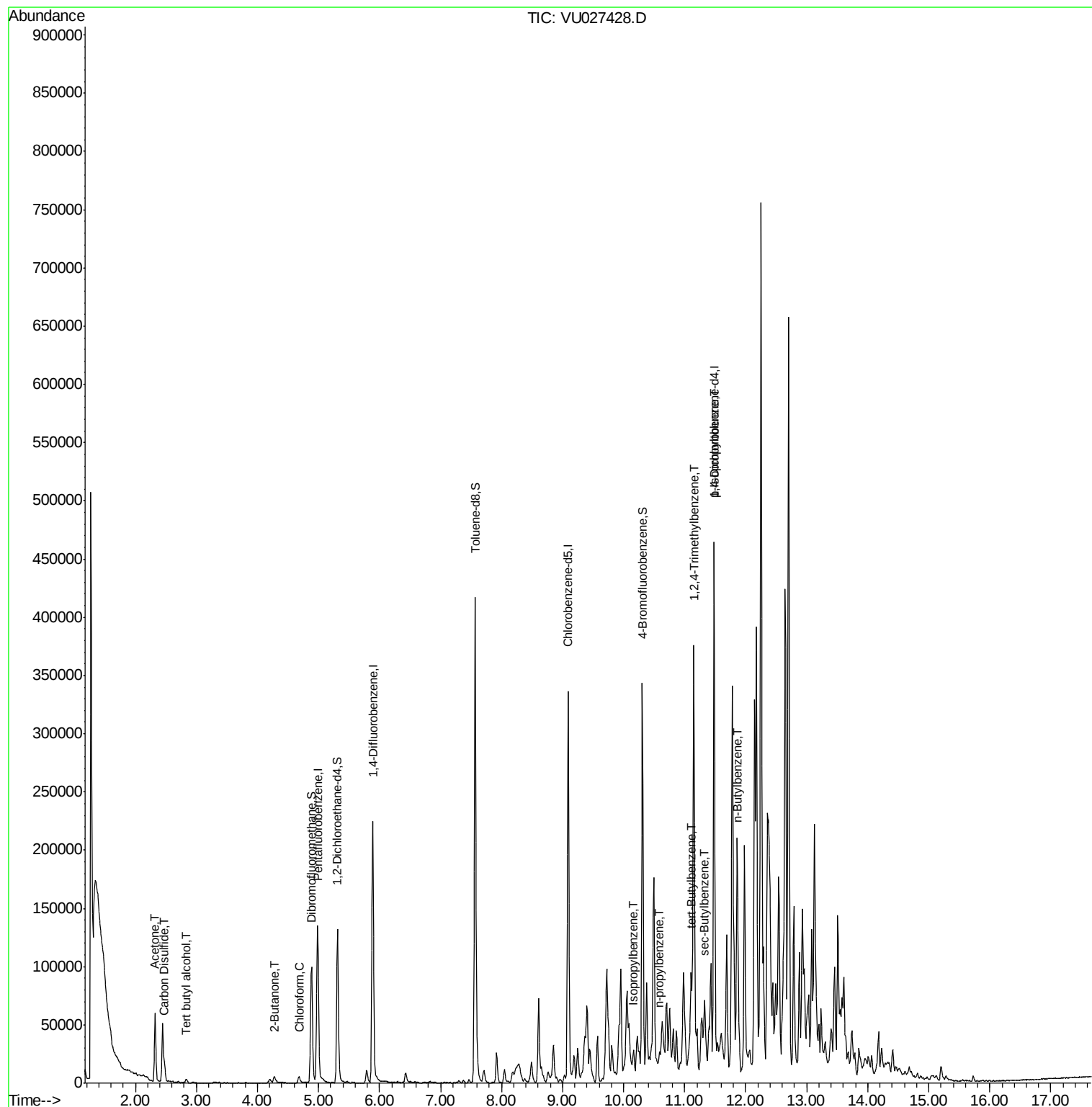
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU100418\
Data File : VU027428.D
Acq On : 04 Oct 2018 23:07
Operator : MD/SY
Sample : J5165-13
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 39 Sample Multiplier: 1

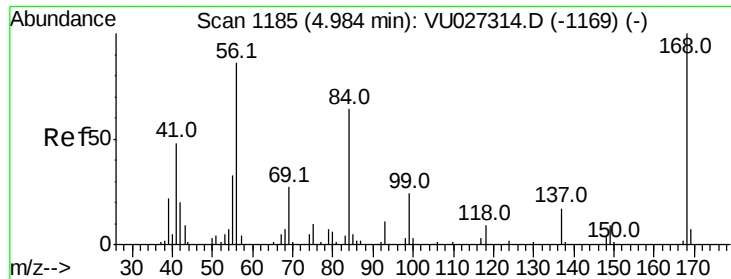
Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-F-092718

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:52:37 PM

Quant Time: Oct 05 08:29:28 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027428.D

Acq: 04 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-F-092718

Tot Ion:168 Resp: 104150

Ion Ratio Lower Upper

168 100

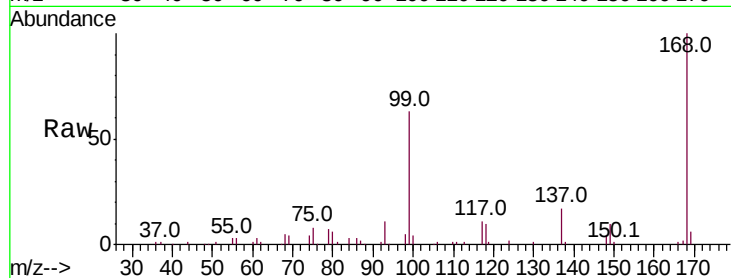
99 62.9 50.8 76.2

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:52:37 PM

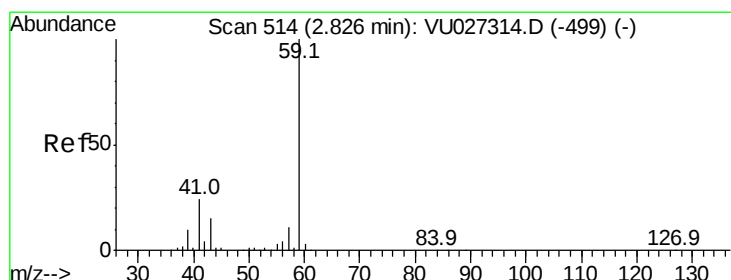
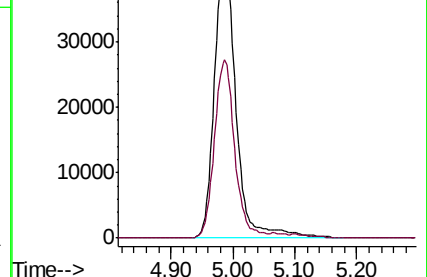
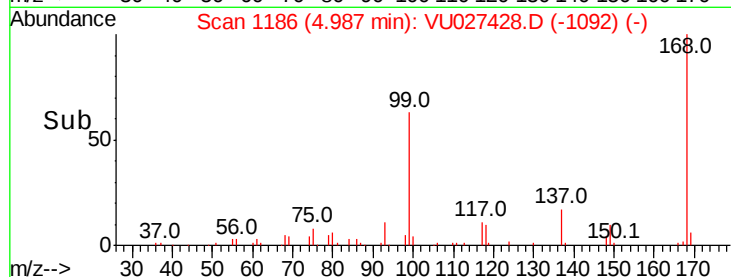


Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

Time-->



#11

Tert butyl alcohol

Concen: 8.929 ug/l

RT: 2.83 min Scan# 516

Delta R.T. 0.01 min

Lab File: VU027428.D

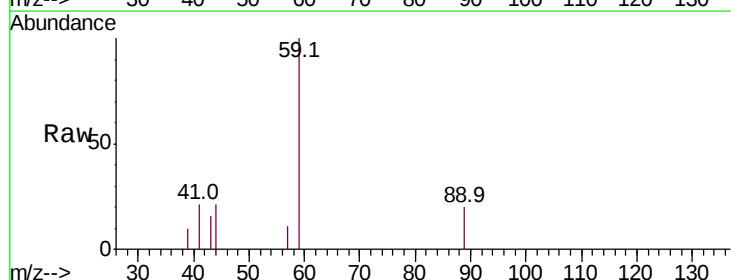
Acq: 04 Oct 2018 23:07

Tgt Ion: 59 Resp: 3270

Ion Ratio Lower Upper

59 100

57 5.0 8.4 12.6#

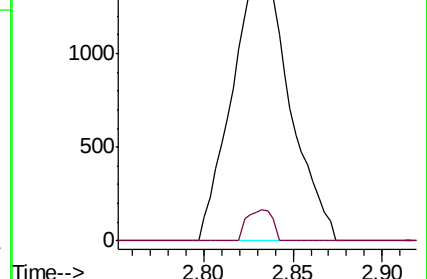
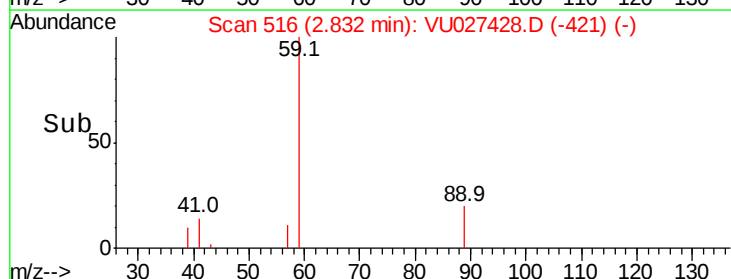


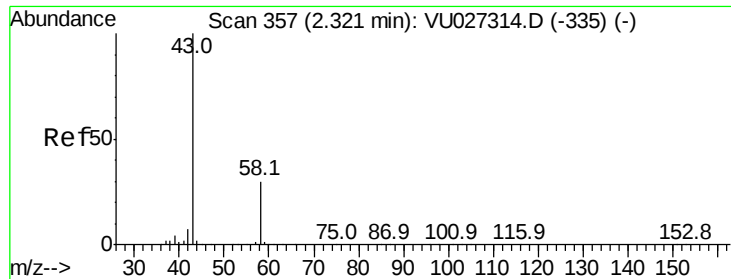
Abundance Ion 59.00 (58.70 to 59.70): VU027314.D (-499) (-)

Ion 57.00 (56.70 to 57.70): VU027314.D (-499) (-)

2.83

Time-->





#16

Acetone

Concen: 60.320 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027428.D

Acq: 04 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-F-092718

Tot Ion: 43 Resp: 61973

Ion Ratio Lower Upper

43 100

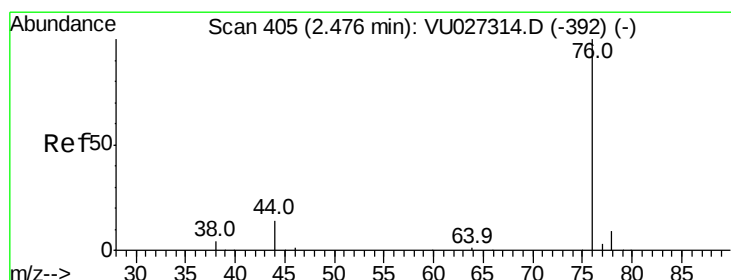
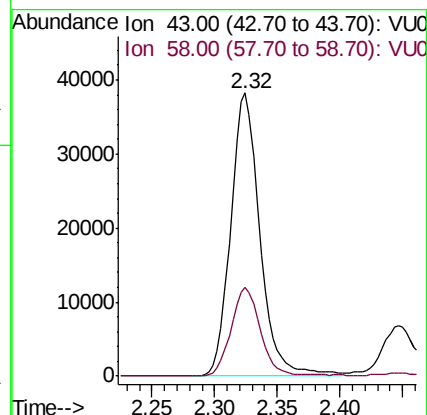
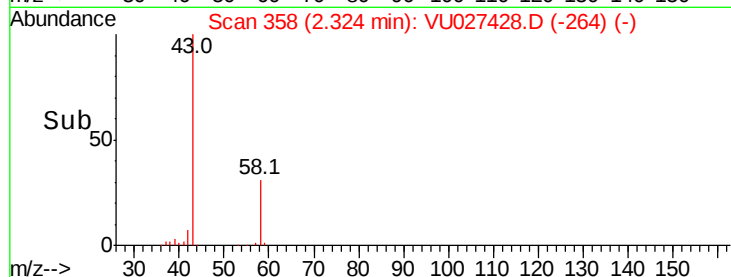
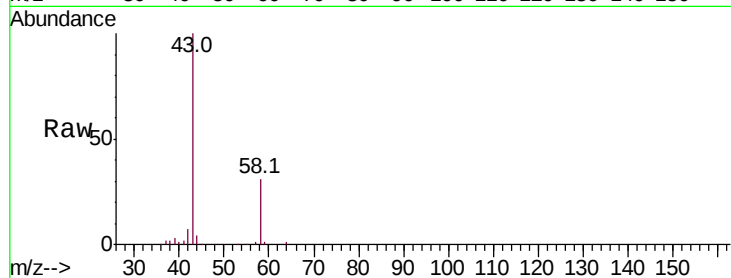
58 31.2 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:52:37 PM



#17

Carbon Disulfide

Concen: 4.006 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027428.D

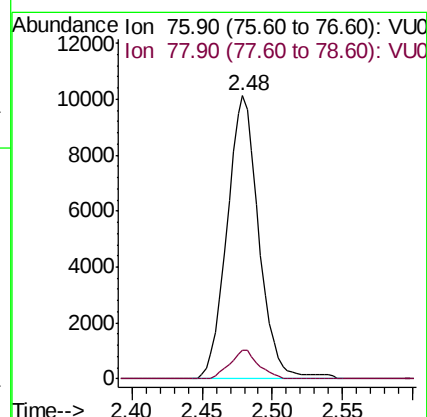
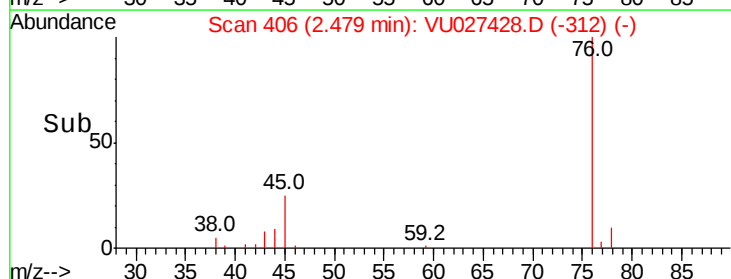
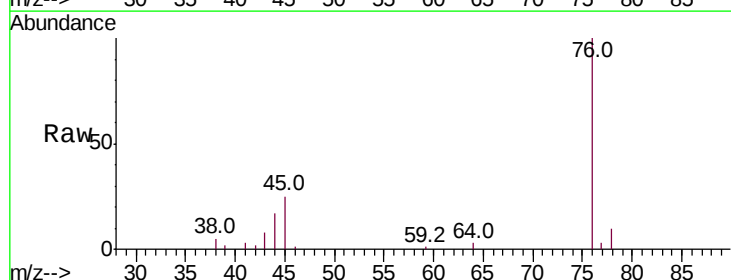
Acq: 04 Oct 2018 23:07

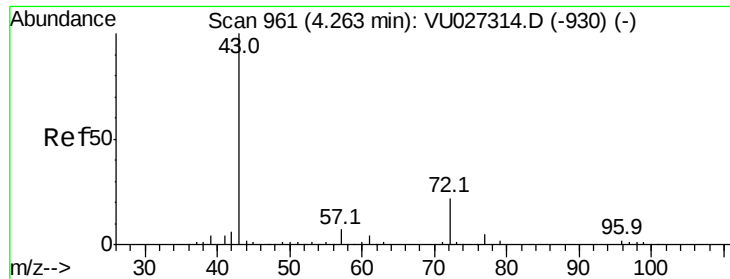
Tgt Ion: 76 Resp: 15895

Ion Ratio Lower Upper

76 100

78 10.2 7.3 10.9





#25

2-Butanone

Concen: 7.390 ug/l

RT: 4.27 min Scan# 964

Delta R.T. 0.01 min

Lab File: VU027428.D

Acq: 04 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-F-092718

Tot Ion: 43 Resp: 10353

Ion Ratio Lower Upper

43 100

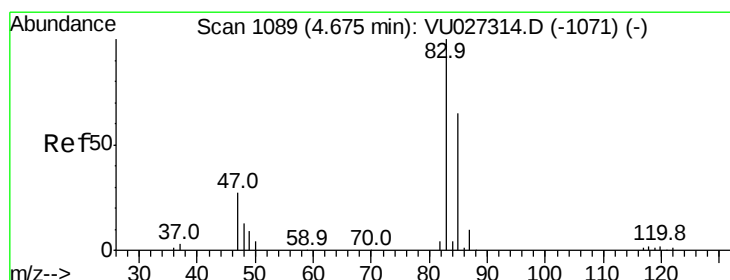
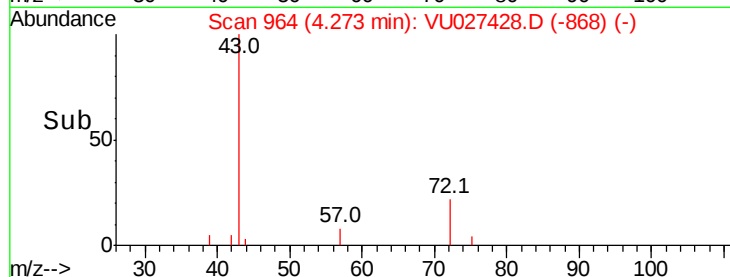
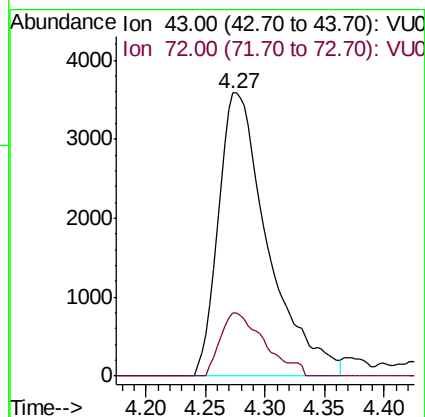
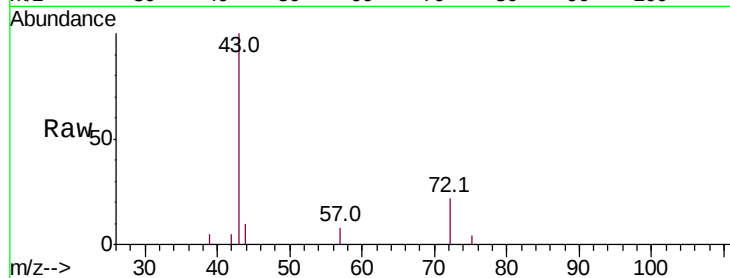
72 22.3 17.8 26.6

Manual Integrations

APPROVED

MMDadoda

10/8/2018 1:52:37 PM



#30

Chloroform

Concen: 1.766 ug/l

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU027428.D

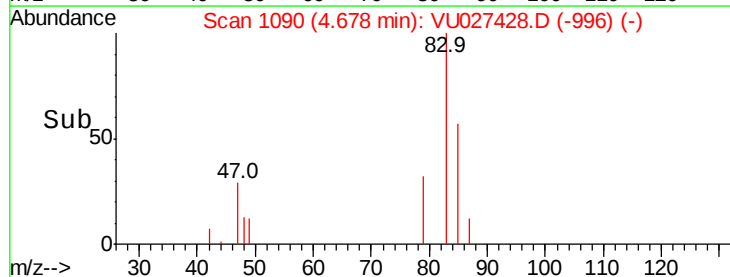
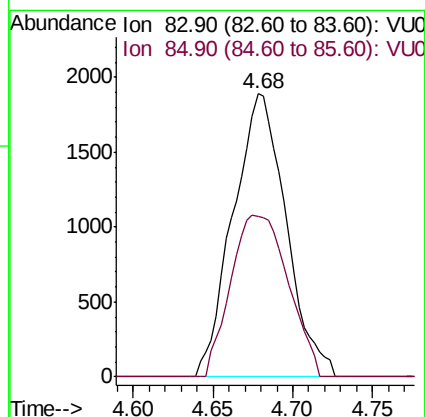
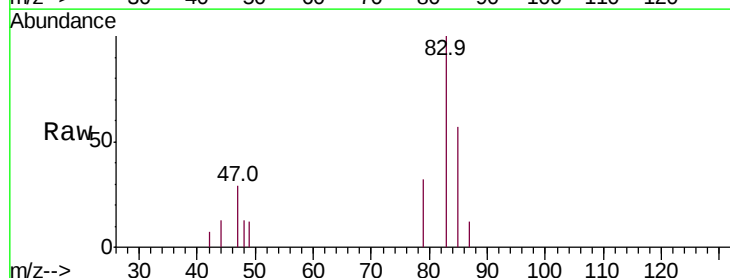
Acq: 04 Oct 2018 23:07

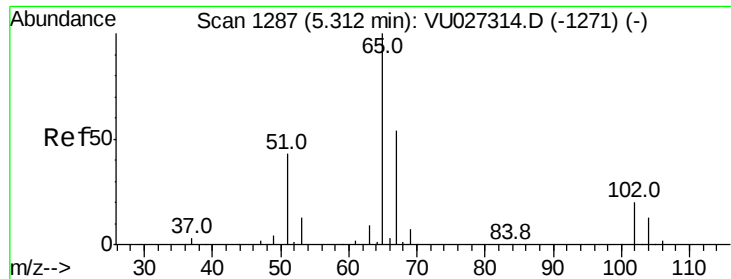
Tgt Ion: 83 Resp: 4284

Ion Ratio Lower Upper

83 100

85 56.8 51.8 77.6





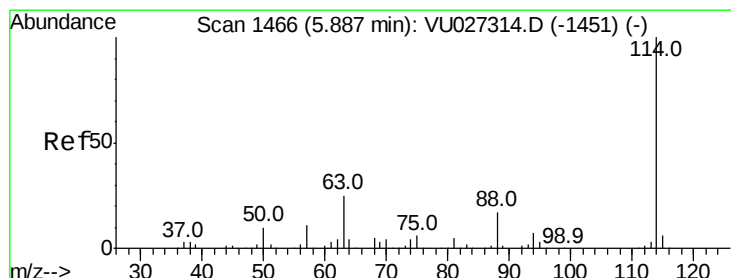
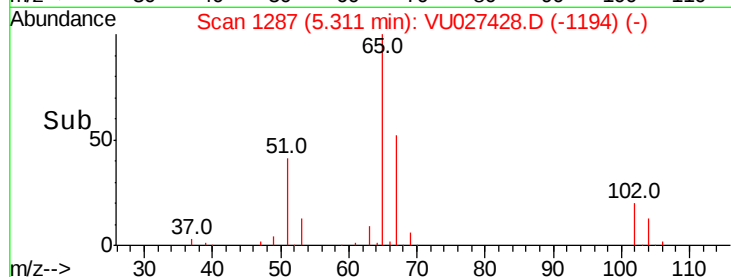
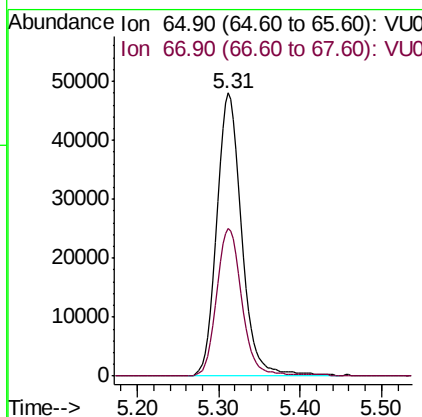
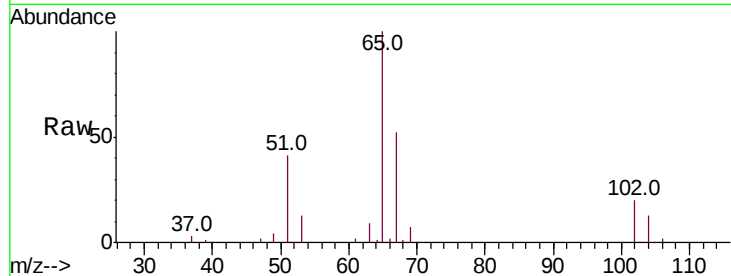
#33
 1,2-Dichloroethane-d4
 Concen: 60.144 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-F-092718

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	107.8

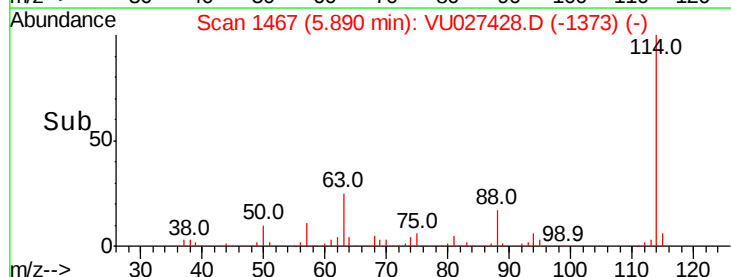
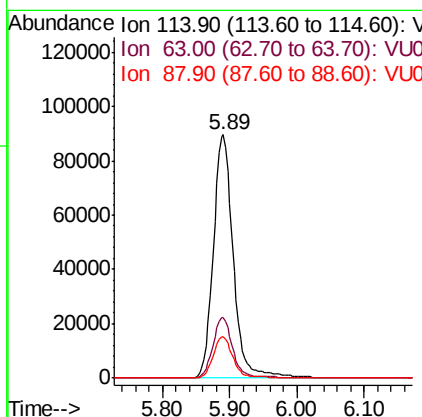
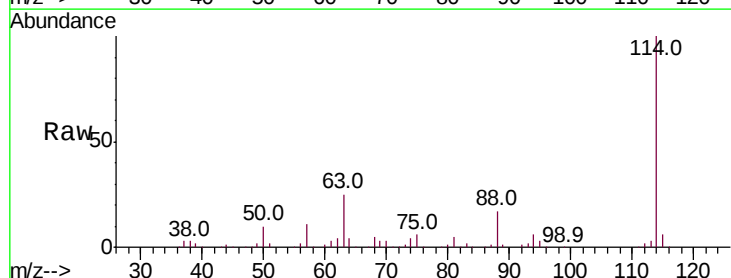
Manual Integrations
 APPROVED

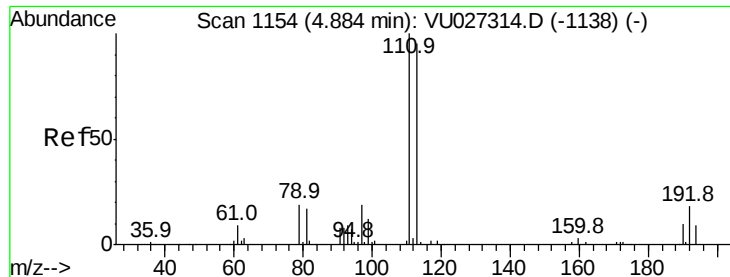
MMDadoda
 10/8/2018 1:52:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.8	0.0	50.2
88	17.2	0.0	33.8





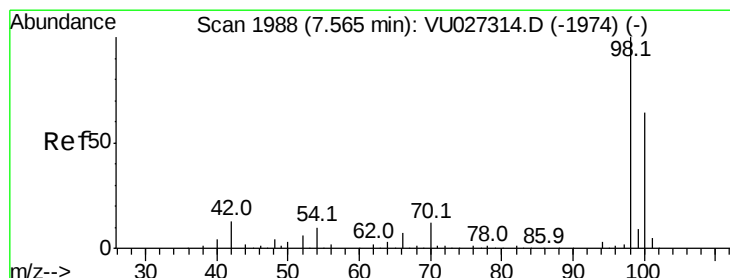
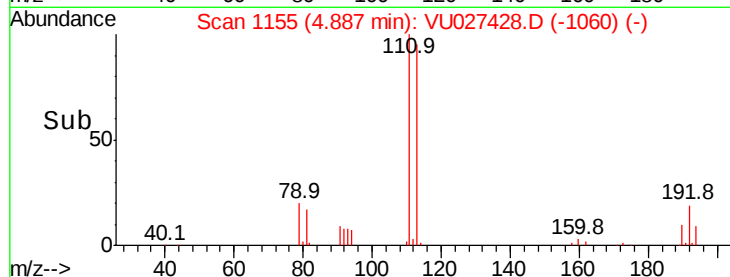
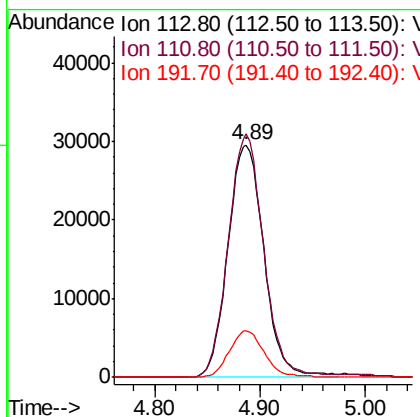
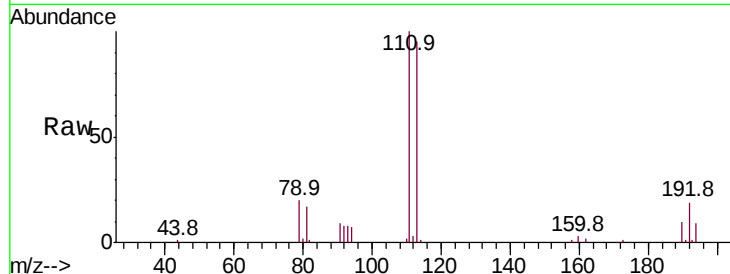
#35
 Dibromofluoromethane
 Concen: 55.156 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-F-092718

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.1	124.7
192	19.4	15.4	23.0

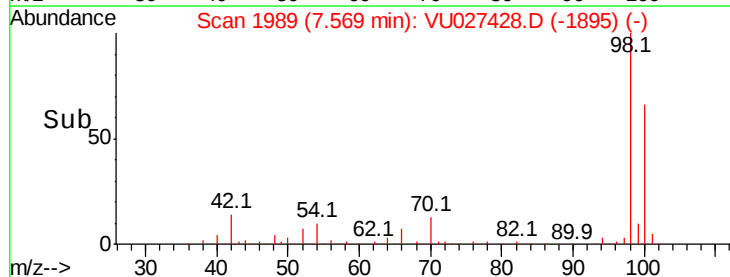
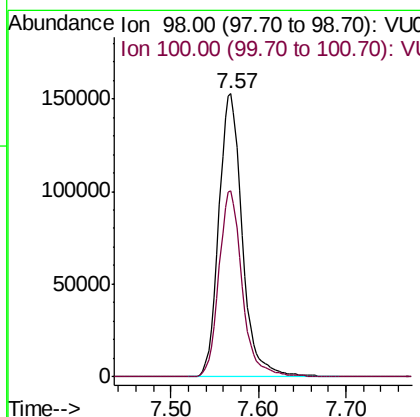
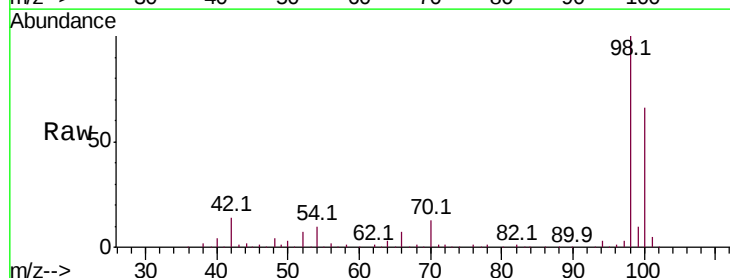
Manual Integrations
 APPROVED

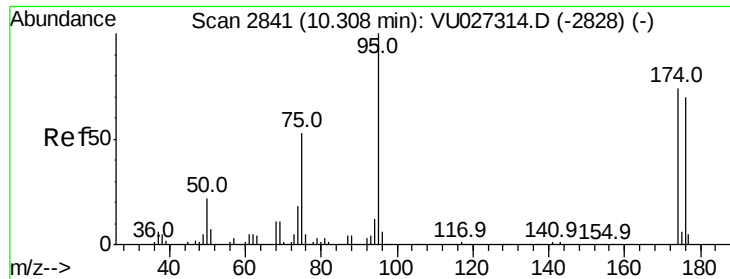
MMDadoda
 10/8/2018 1:52:37 PM



#50
 Toluene-d8
 Concen: 59.915 ug/l
 RT: 7.57 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1





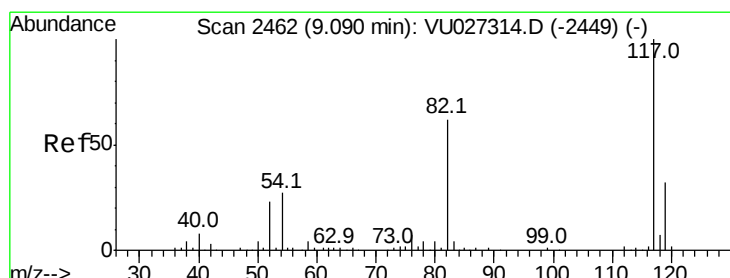
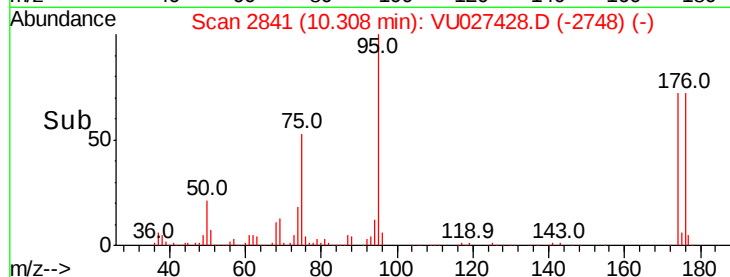
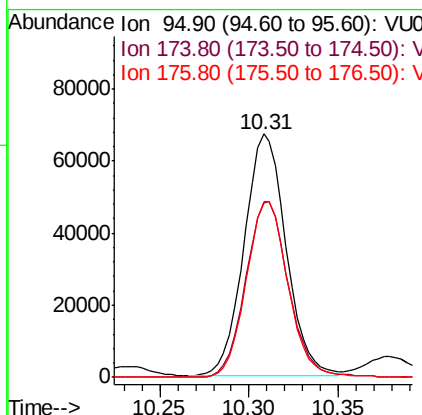
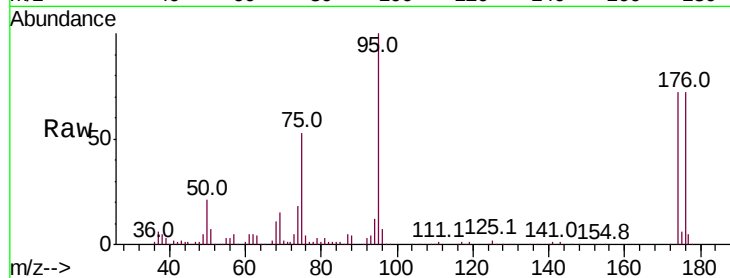
#62
4-Bromofluorobenzene
Concen: 62.632 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027428.D
Acq: 04 Oct 2018 23:07

Instrument :
MSVOA_U
ClientSampleId :
EP1-MW-F-092718

Tot Ion	Ratio	Resp	Lower	Upper
95	100	110729		
174	73.8	0.0	147.8	
176	72.4	0.0	140.8	

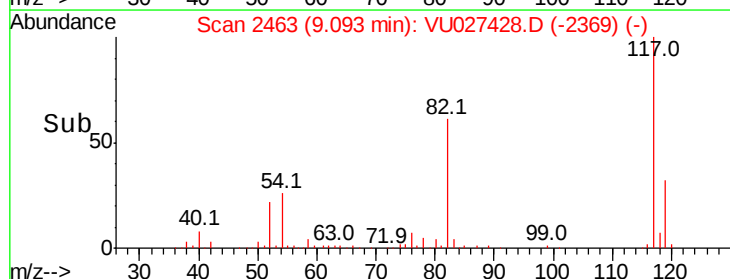
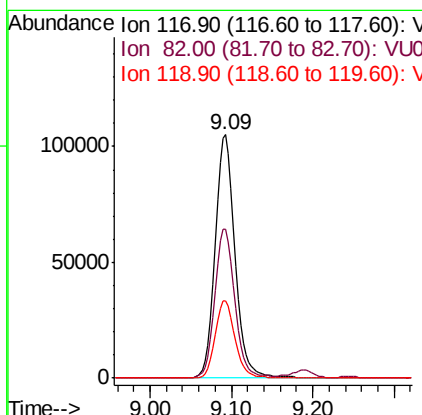
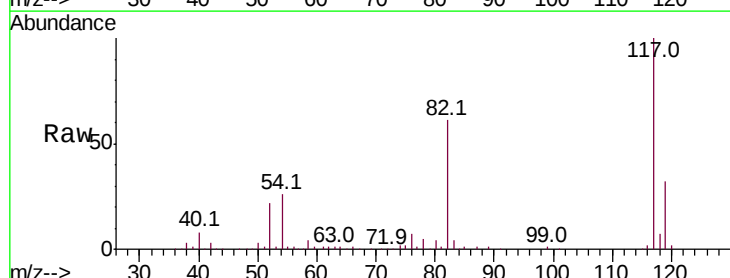
Manual Integrations
APPROVED

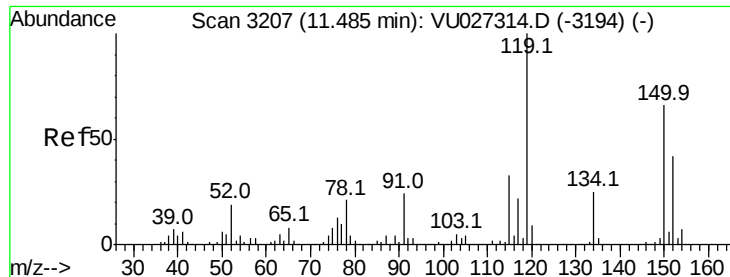
MMDadoda
10/8/2018 1:52:37 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027428.D
Acq: 04 Oct 2018 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	181271		
82	60.9	49.2	73.8	
119	31.8	25.7	38.5	





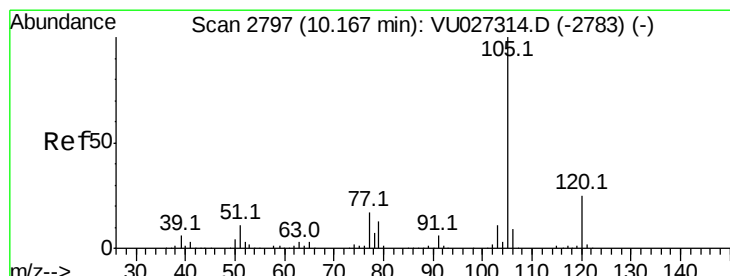
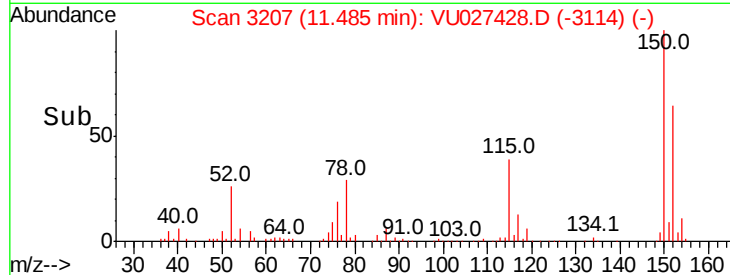
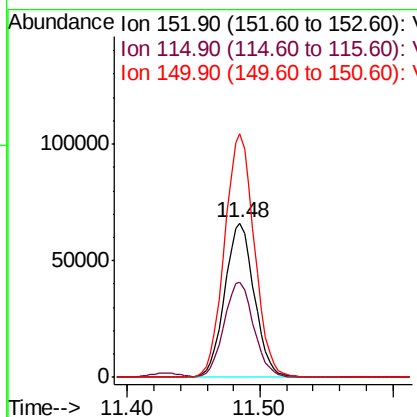
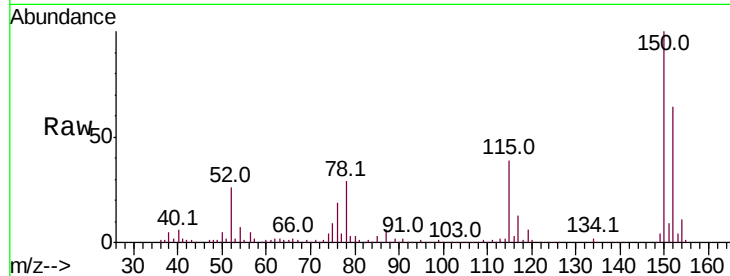
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-F-092718

Tot Ion	Ratio	Resp	Lower	Upper
152	100	102394		
115	62.3	43.4	130.2	
150	158.9	0.0	349.2	

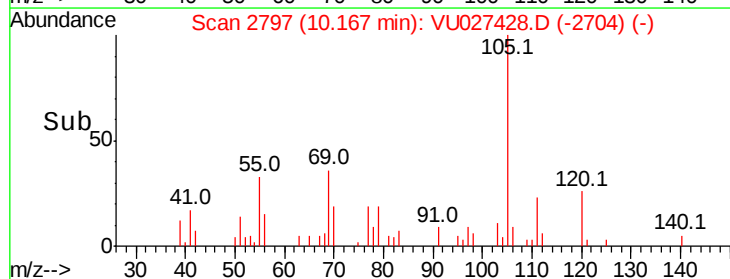
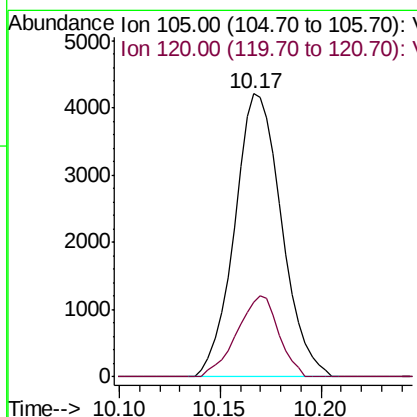
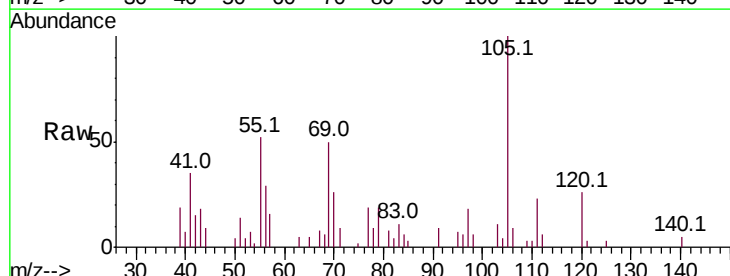
Manual Integrations
 APPROVED

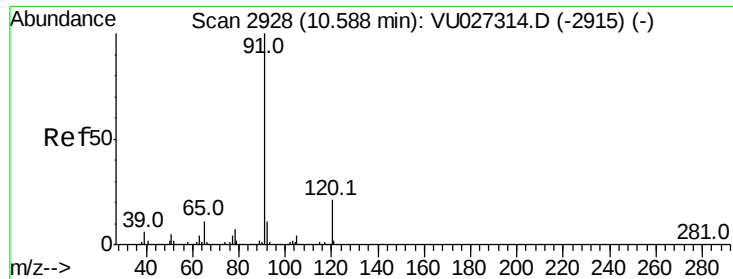
MMDadoda
 10/8/2018 1:52:37 PM



#73
 Isopropylbenzene
 Concen: 0.925 ug/l
 RT: 10.17 min Scan# 2797
 Delta R.T. -0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	6880		
120	25.4	12.6	37.8	





#78

n-propylbenzene

Concen: 1.207 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VU027428.D

Acq: 04 Oct 2018 23:07

Instrument :

MSVOA_U

ClientSampleId :

EP1-MW-F-092718

Tot Ion: 91 Resp: 10787

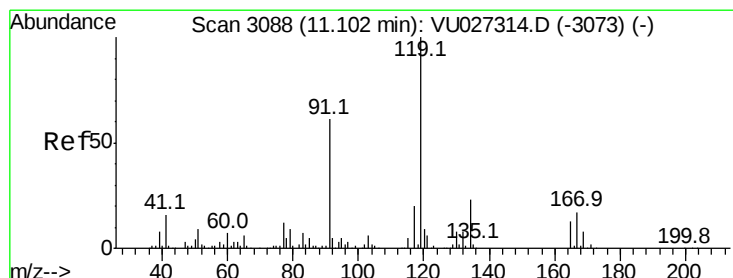
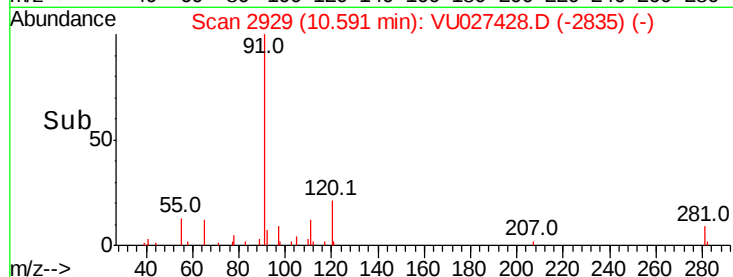
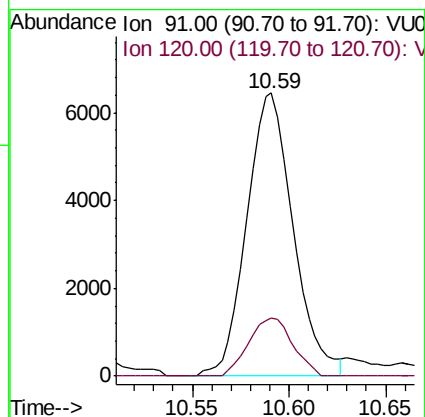
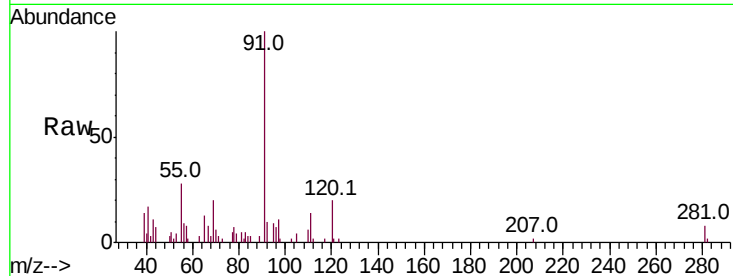
Ion Ratio Lower Upper

91 100

120 19.4 10.6 31.8

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:52:37 PM



#83

tert-Butylbenzene

Concen: 4.186 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU027428.D

Acq: 04 Oct 2018 23:07

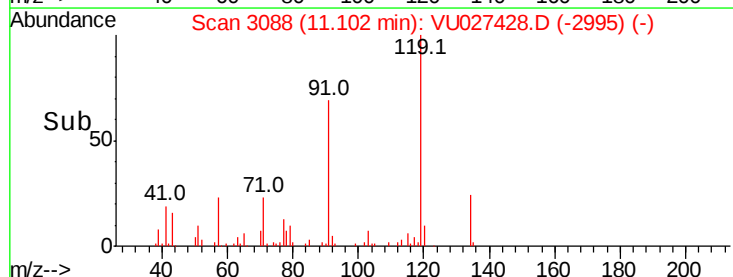
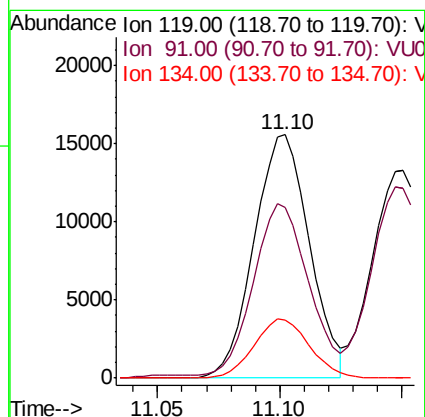
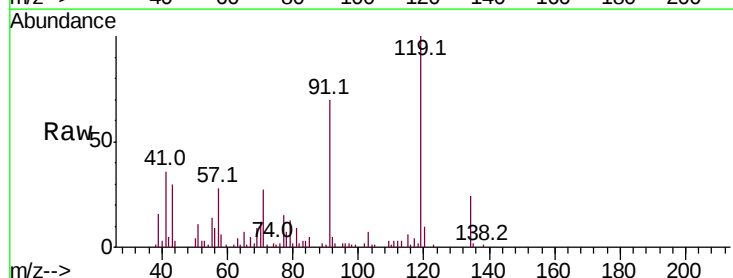
Tgt Ion: 119 Resp: 24500

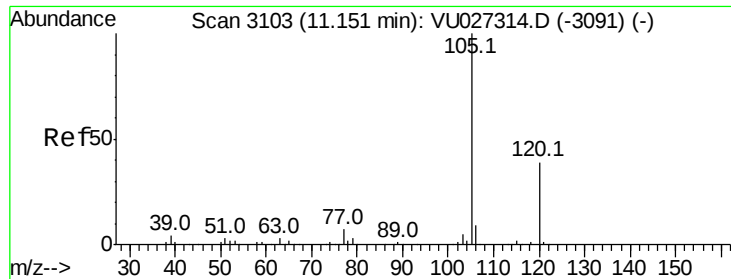
Ion Ratio Lower Upper

119 100

91 73.2 30.3 91.0

134 24.4 11.5 34.4





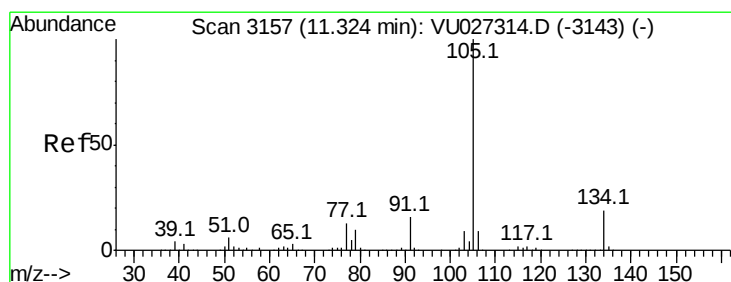
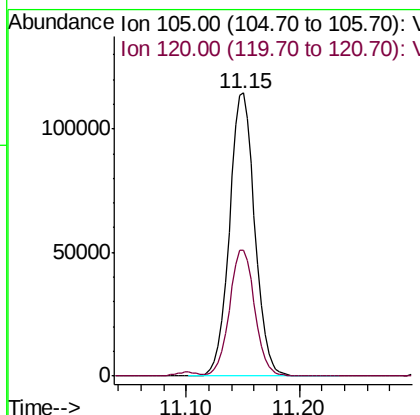
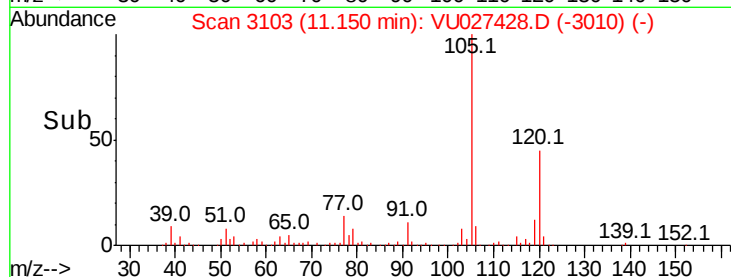
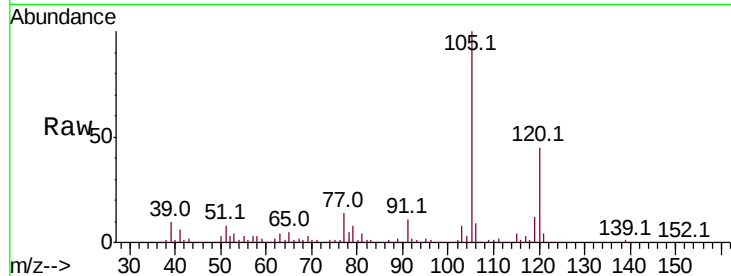
#84
 1,2,4-Trimethylbenzene
 Concen: 28.700 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-F-092718

Tot Ion:105 Resp: 177502
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.1 66.5

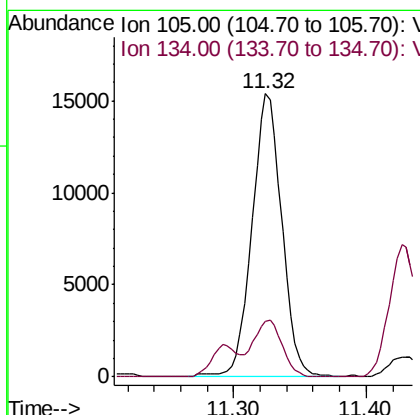
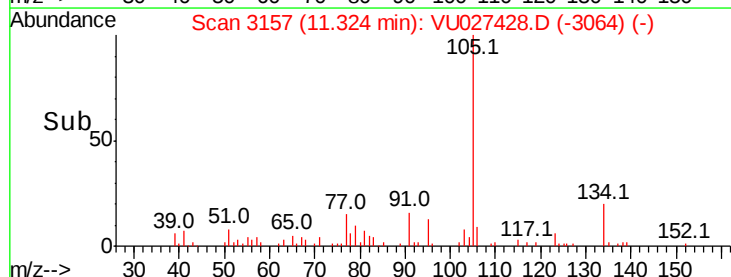
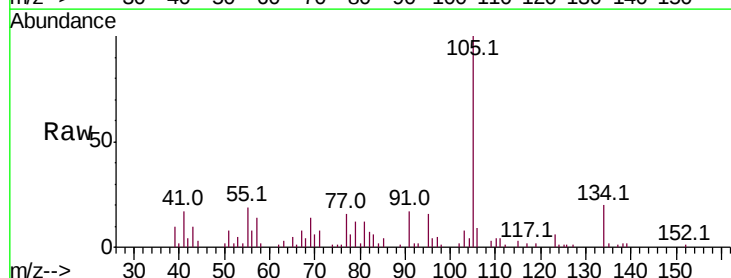
Manual Integrations
 APPROVED

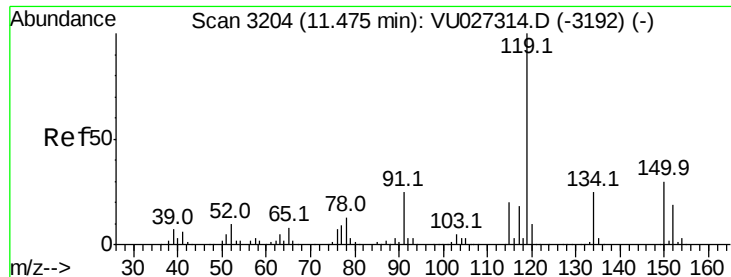
MMDadoda
 10/8/2018 1:52:37 PM



#85
 sec-Butylbenzene
 Concen: 3.269 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Tgt Ion:105 Resp: 24112
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.6 28.6





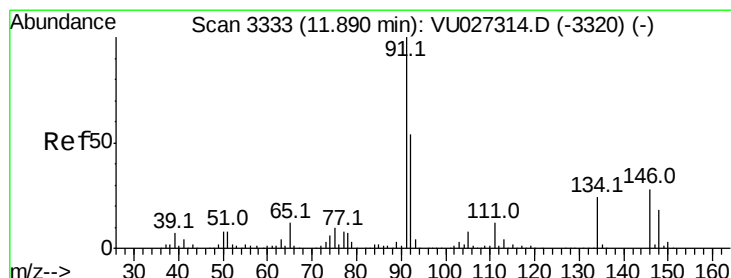
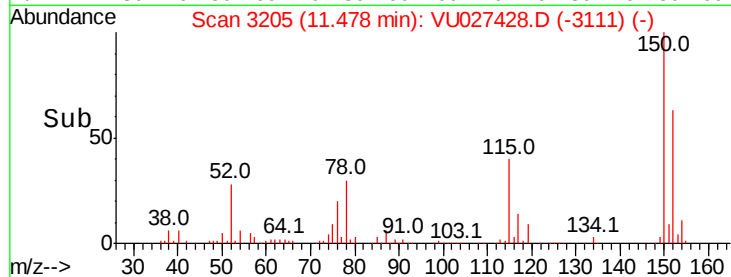
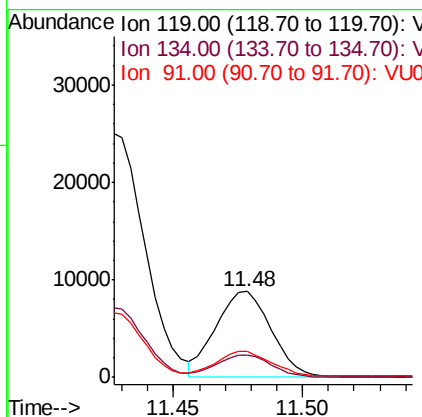
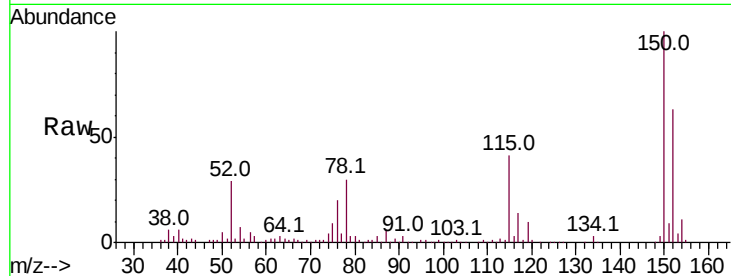
#86
 p-Isopropyltoluene
 Concen: 2.087 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-F-092718

Tot Ion	Ratio	Resp	Lower	Upper
119	100	13176		
134	26.0		12.7	38.1
91	28.6		12.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:52:37 PM



#89
 n-Butylbenzene
 Concen: 2.916 ug/l m
 RT: 11.88 min Scan# 3329
 Delta R.T. -0.01 min
 Lab File: VU027428.D
 Acq: 04 Oct 2018 23:07

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	6740		
92	0.0		27.0	81.0#
134	257.6		11.7	35.1#

