

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070518\
 Data File : VU025214.D
 Acq On : 05 Jul 2018 14:36
 Operator : MD/SY
 Sample : J3808-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628

Manual Integrations
 APPROVED

sam
 7/6/2018 4:21:47 PM

Quant Time: Jul 06 05:57:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	310111	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	287520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153401	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	155908	45.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.02%	
35) Dibromofluoromethane	4.89	113	123349	47.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.86%	
50) Toluene-d8	7.57	98	448578	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	
62) 4-Bromofluorobenzene	10.31	95	165036	44.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.56%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.40	62	6730	2.432	ug/l	94
16) Acetone	2.32	43	3169	1.722	ug/l #	85
27) cis-1,2-Dichloroethene	4.23	96	75112	24.826	ug/l	89
44) Trichloroethene	6.19	130	103318	34.962	ug/l	94
65) Chlorobenzene	9.12	112	22826	3.108	ug/l	98
73) Isopropylbenzene	10.17	105	14014	1.190	ug/l	97
78) n-propylbenzene	10.59	91	21045	1.517	ug/l	100
83) tert-Butylbenzene	11.10	119	61608	6.274	ug/l	92
85) sec-Butylbenzene	11.33	105	97120	7.902	ug/l	96
87) 1,3-Dichlorobenzene	11.43	146	1764	0.320	ug/l #	75
88) 1,4-Dichlorobenzene	11.51	146	1427	0.257	ug/l #	45
89) n-Butylbenzene	11.89	91	8928m	0.914	ug/l	
91) 1,2-Dichlorobenzene	11.89	146	1366	0.248	ug/l	90
95) Naphthalene	13.75	128	7498	1.335	ug/l #	91

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

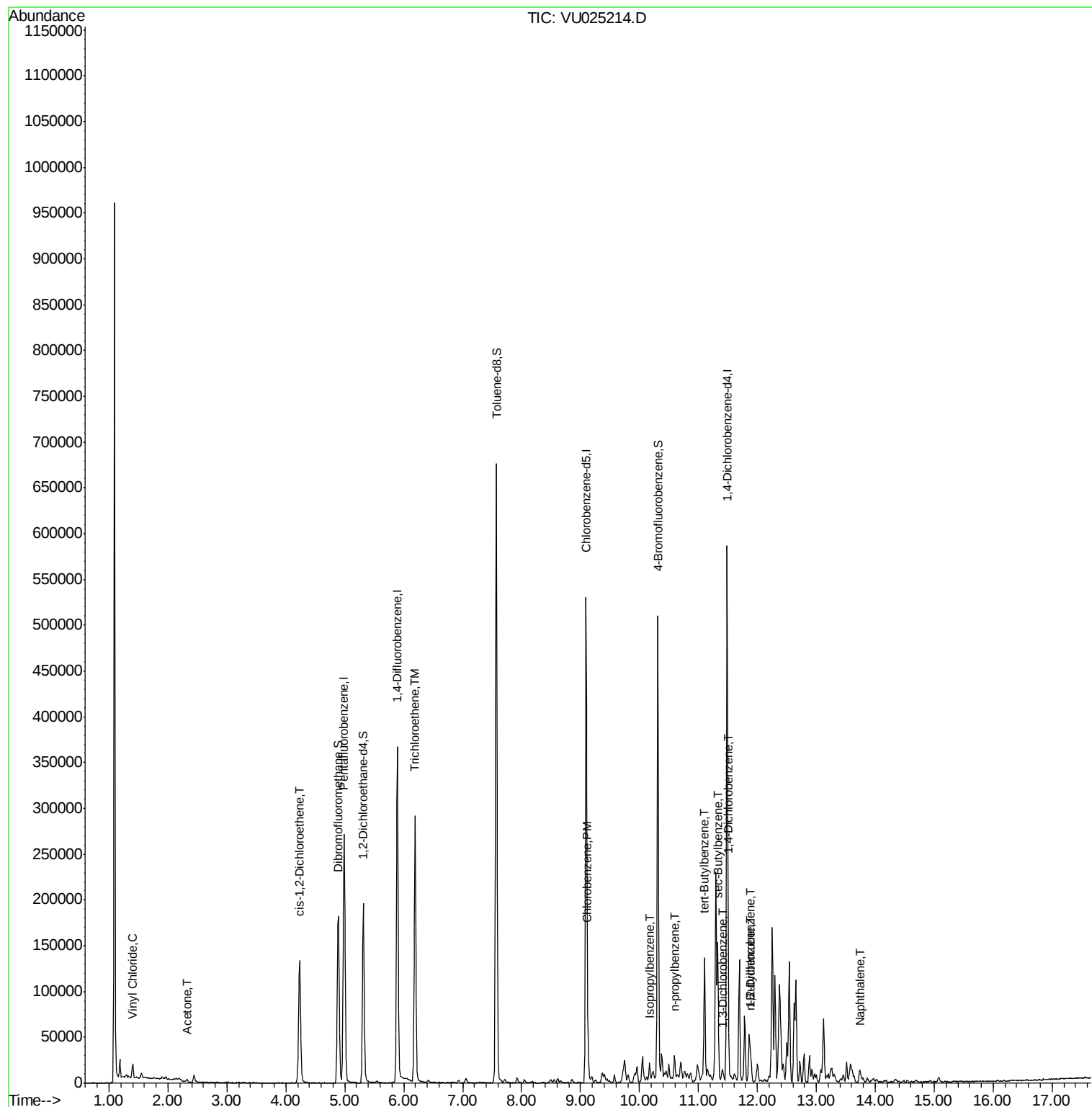
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070518\
Data File : VU025214.D
Acq On : 05 Jul 2018 14:36
Operator : MD/SY
Sample : J3808-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628

Manual Integrations
APPROVED

sam
7/6/2018 4:21:47 PM

Quant Time: Jul 06 05:57:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628

Tot Ion:168 Resp: 209849

Ion Ratio Lower Upper

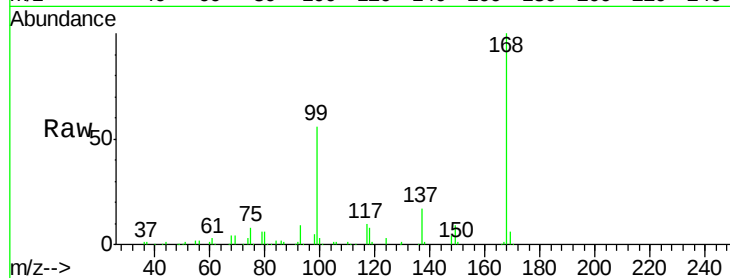
168 100

99 55.6 43.2 64.8

Manual Integrations
APPROVED

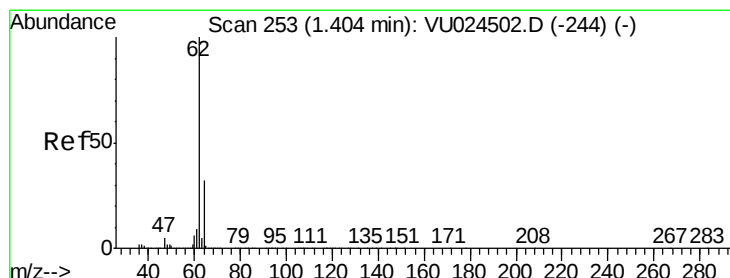
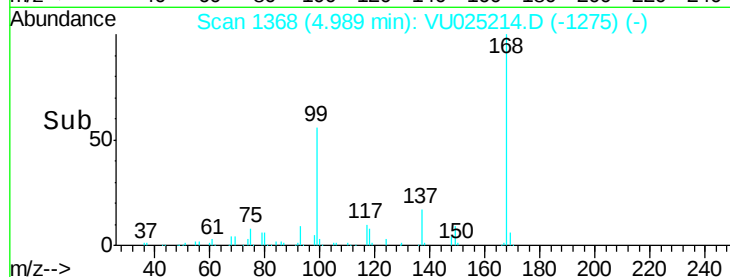
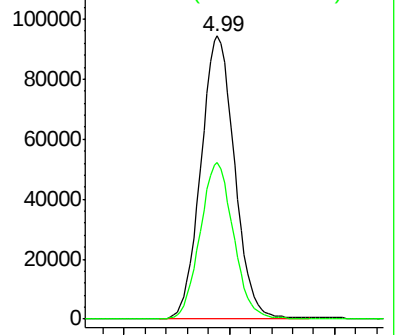
sam

7/6/2018 4:21:47 PM



Abundance Ion 167.90 (167.60 to 168.60): VU025214.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU025214.D (-1351) (-)



#4

Vinyl Chloride

Concen: 2.432 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025214.D

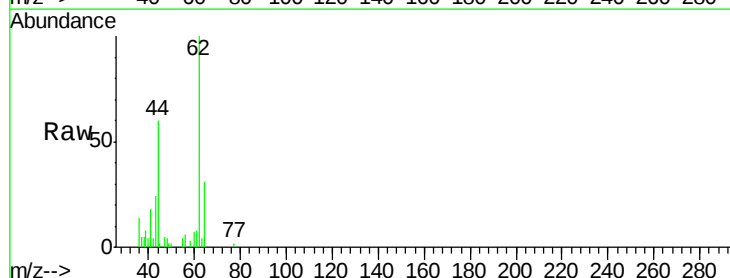
Acq: 05 Jul 2018 14:36

Tgt Ion: 62 Resp: 6730

Ion Ratio Lower Upper

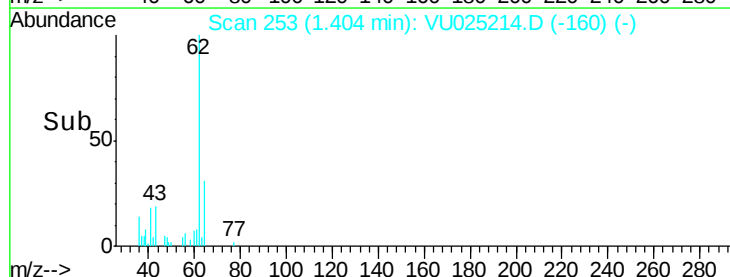
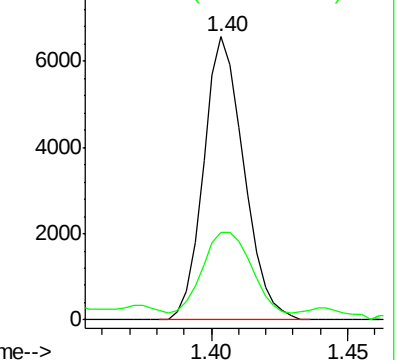
62 100

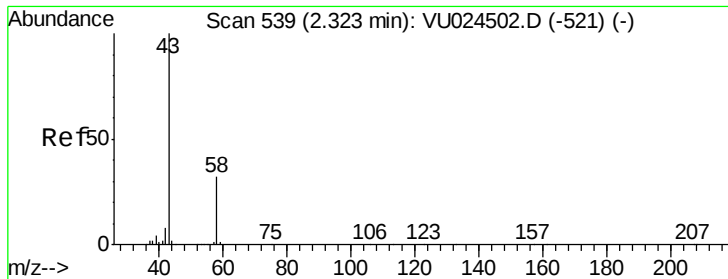
64 27.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU025214.D (-244) (-)

Ion 63.90 (63.60 to 64.60): VU025214.D (-244) (-)





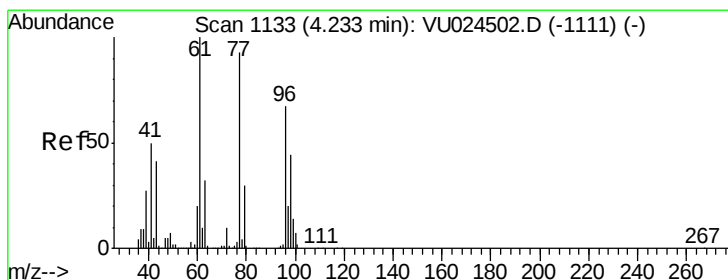
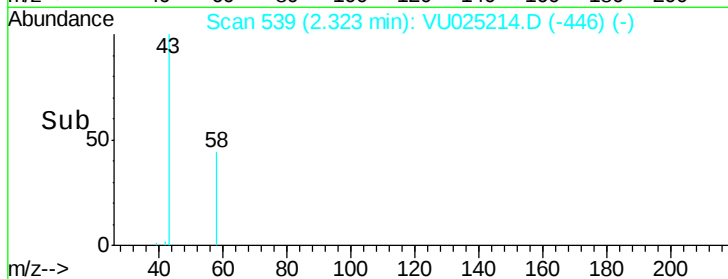
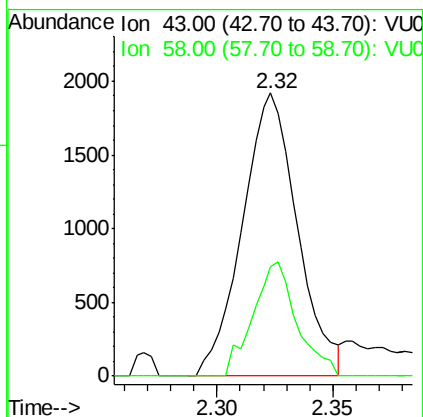
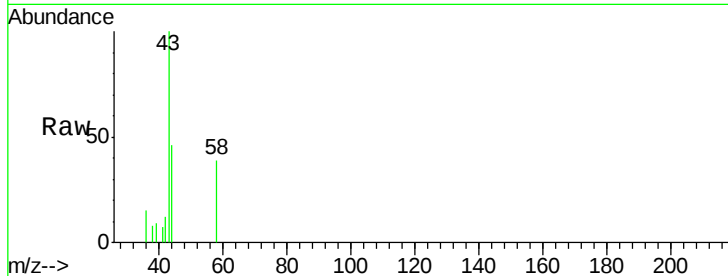
#16
Acetone
Concen: 1.722 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628

Tot Ion: 43 Resp: 3169
Ion Ratio Lower Upper
43 100
58 38.8 24.4 36.6#

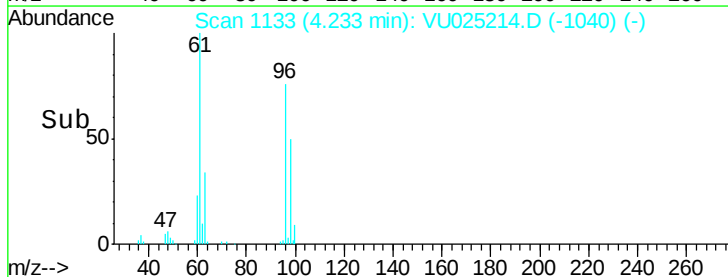
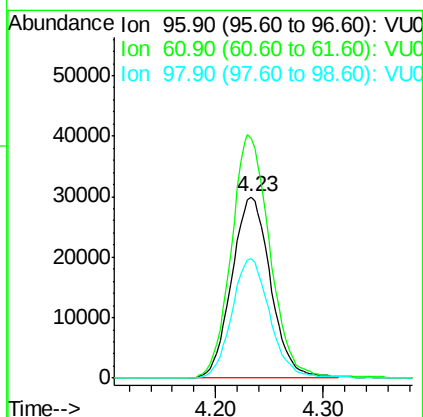
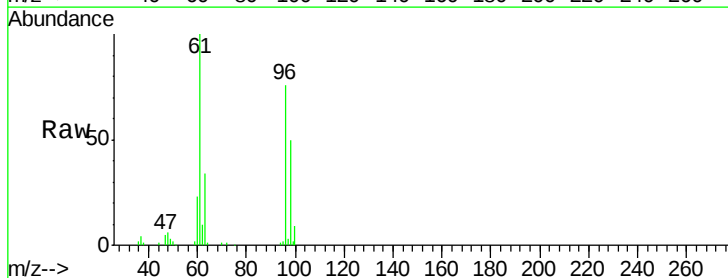
Manual Integrations
APPROVED

sam
7/6/2018 4:21:47 PM



#27
cis-1,2-Dichloroethene
Concen: 24.826 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Tgt Ion: 96 Resp: 75112
Ion Ratio Lower Upper
96 100
61 132.8 0.0 306.6
98 64.0 0.0 128.8





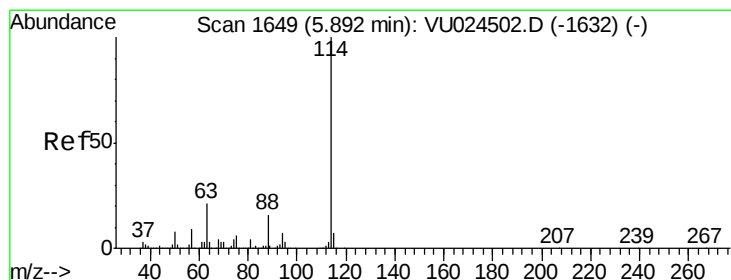
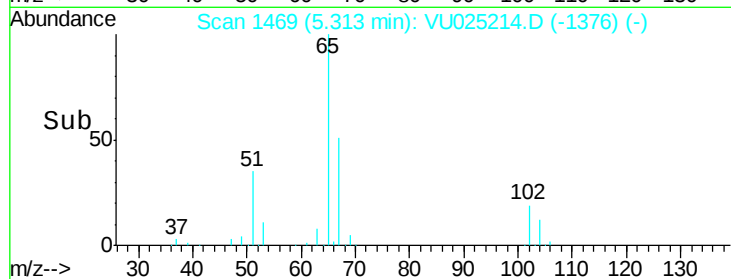
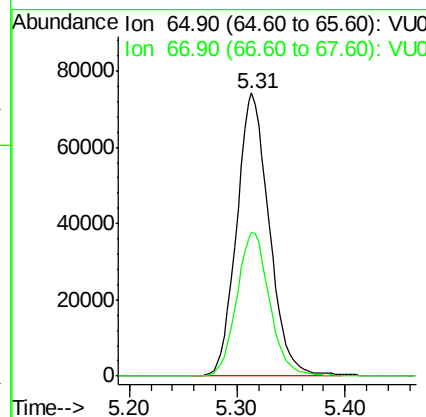
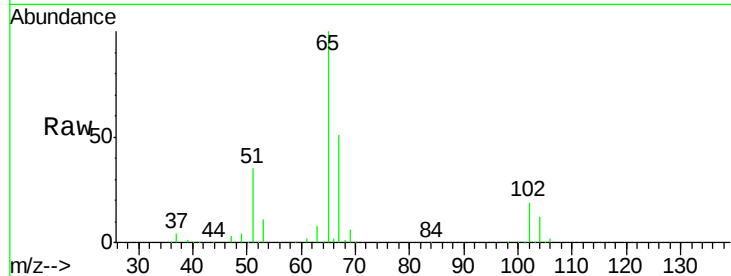
#33
 1,2-Dichloroethane-d4
 Concen: 45.510 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025214.D
 Acq: 05 Jul 2018 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	107.0

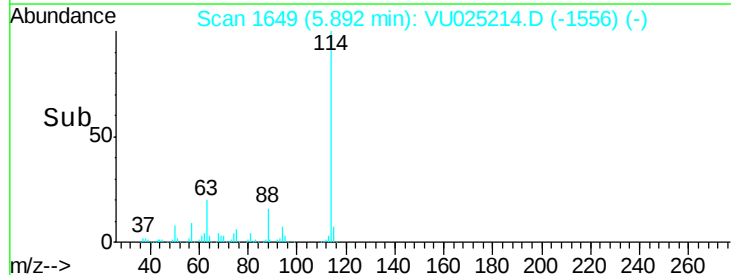
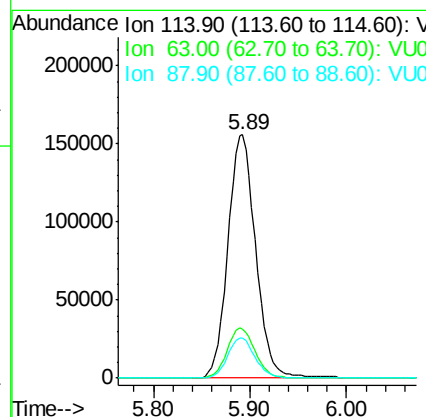
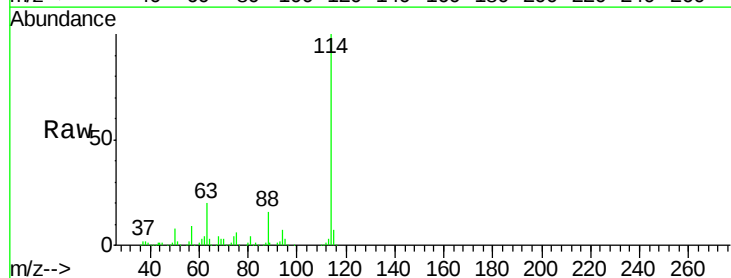
Manual Integrations
 APPROVED

sam
 7/6/2018 4:21:47 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025214.D
 Acq: 05 Jul 2018 14:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	16.2	0.0	31.0





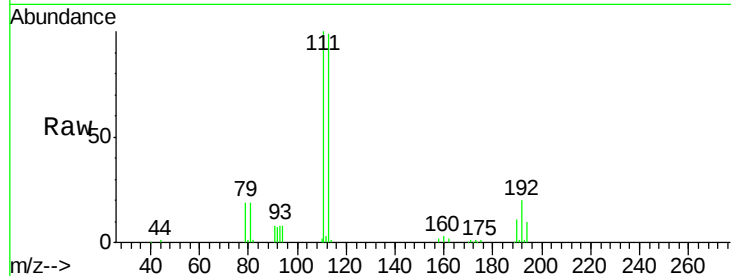
#35
Dibromofluoromethane
Concen: 47.927 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628

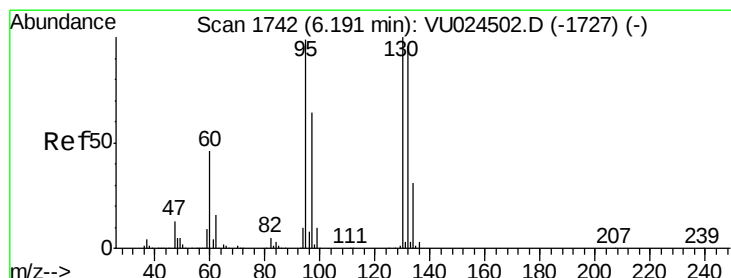
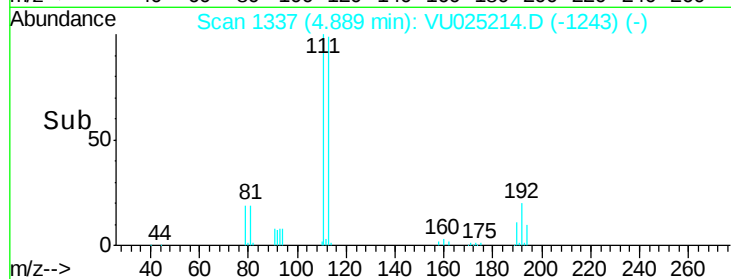
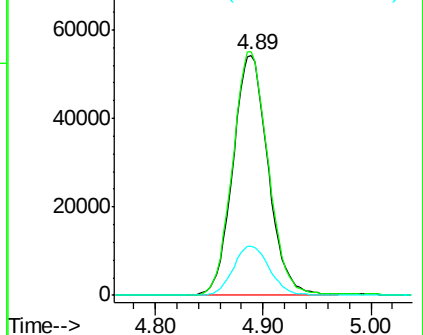
Tot Ion	Ratio	Resp	Lower	Upper
113	100	123349		
111	102.1	82.2	123.4	
192	21.1	16.2	24.4	

Manual Integrations
APPROVED

sam
7/6/2018 4:21:47 PM

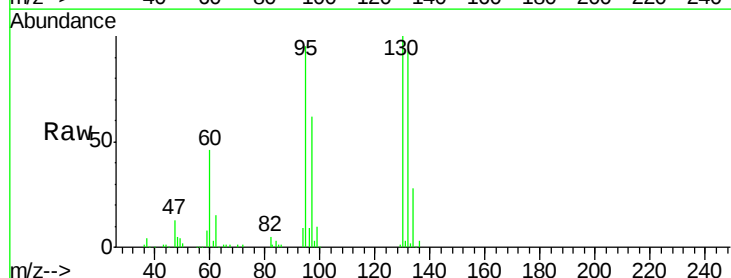


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

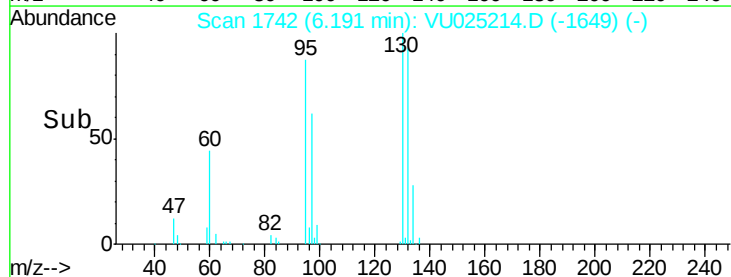
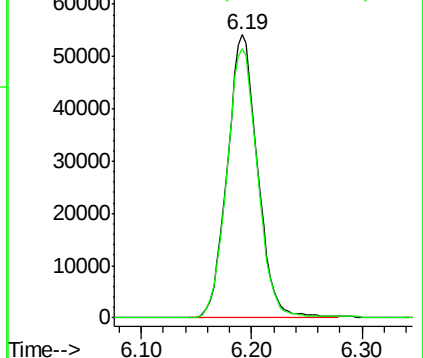


#44
Trichloroethene
Concen: 34.962 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	103318		
95	95.3	0.0	202.4	



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





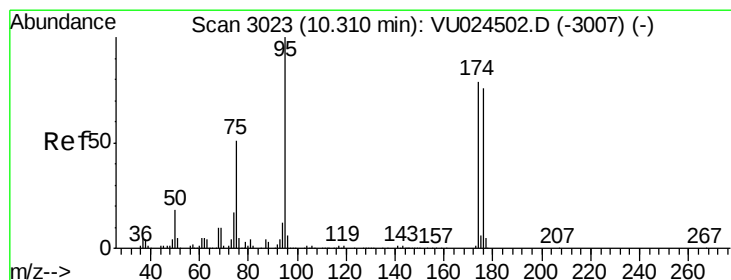
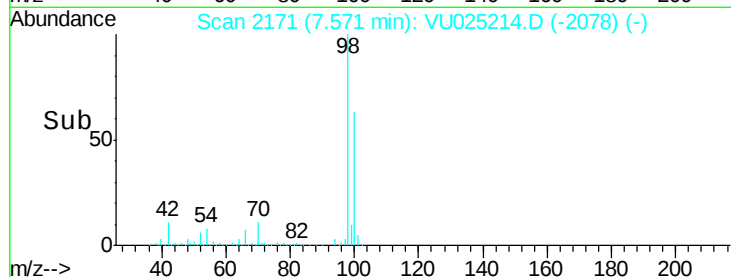
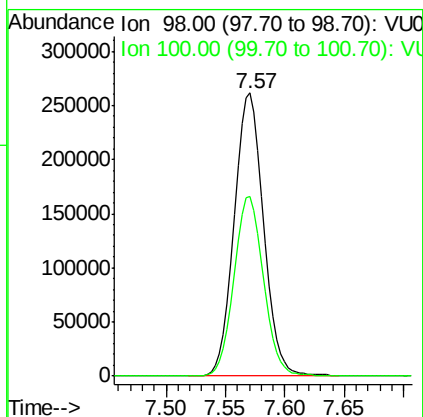
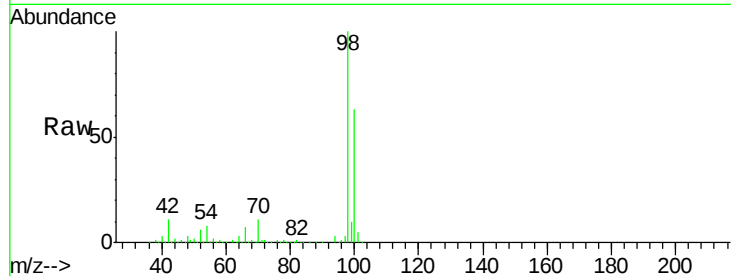
#50
Toluene-d8
Concen: 47.783 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628

Tot Ion: 98 Resp: 448578
Ion Ratio Lower Upper
98 100
100 63.8 51.1 76.7

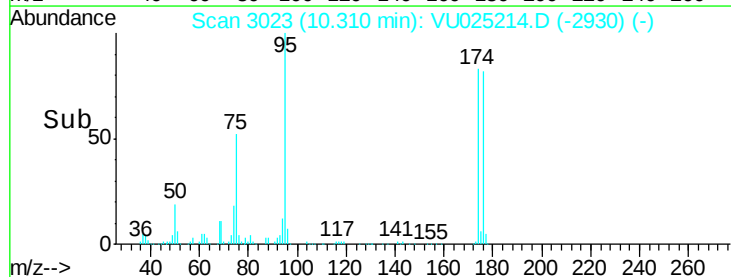
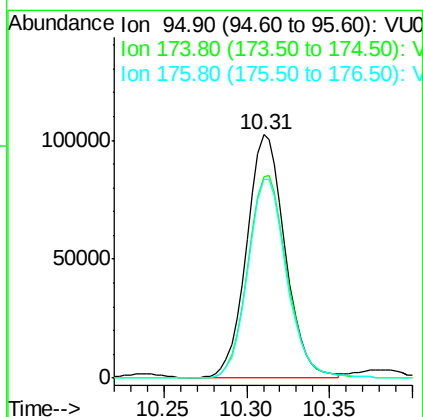
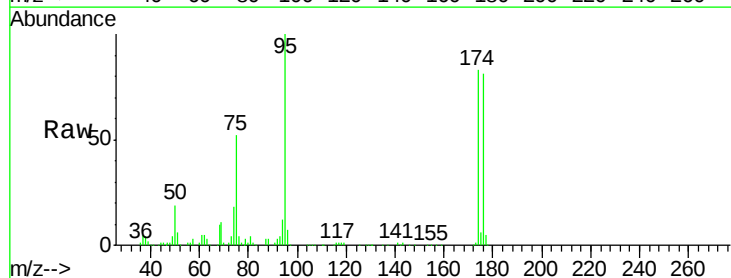
Manual Integrations
APPROVED

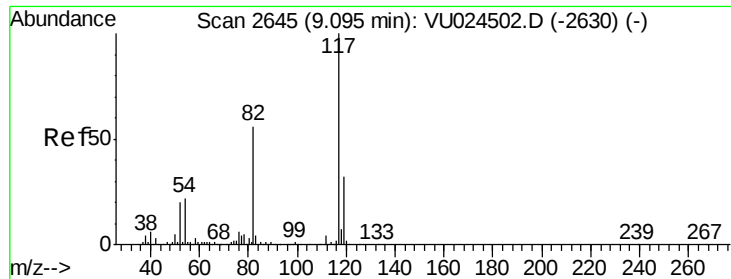
sam
7/6/2018 4:21:47 PM



#62
4-Bromofluorobenzene
Concen: 44.277 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Tgt Ion: 95 Resp: 165036
Ion Ratio Lower Upper
95 100
174 85.0 0.0 165.8
176 82.6 0.0 159.4





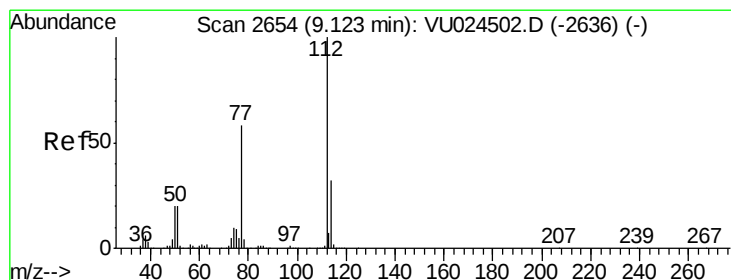
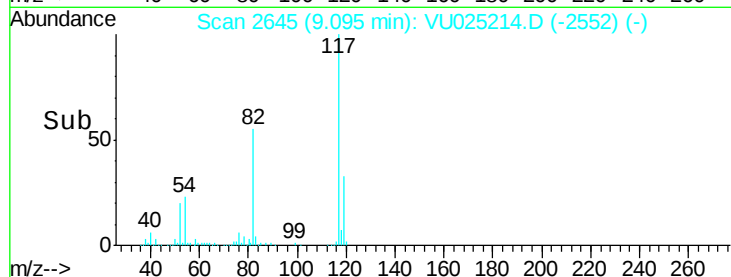
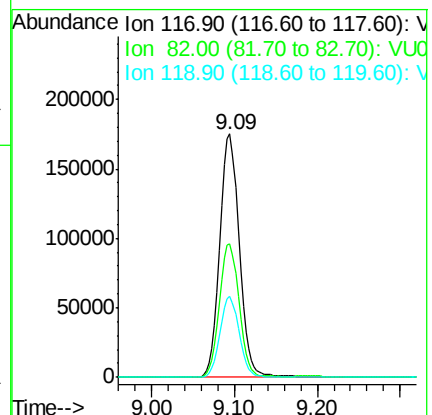
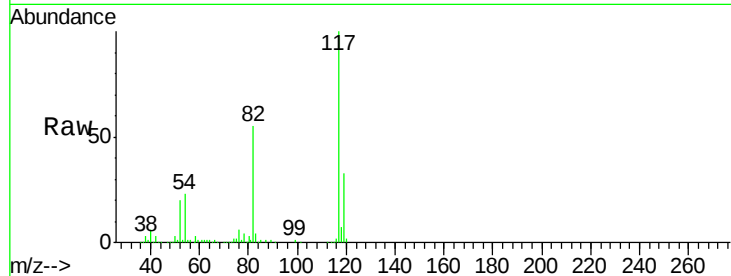
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Instrument :
MSVOA_U
ClientSampleId :
WP021MW472-180628

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287520		
82	55.0		44.3	66.5
119	33.2		25.4	38.2

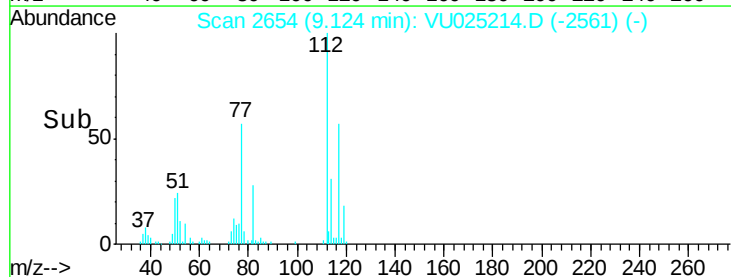
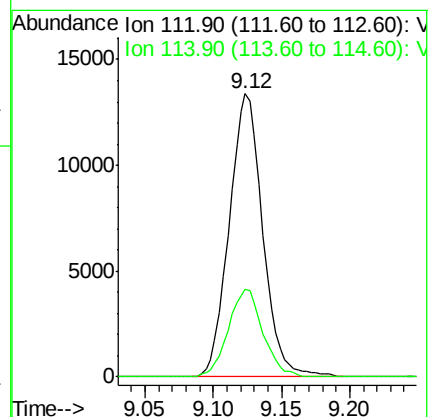
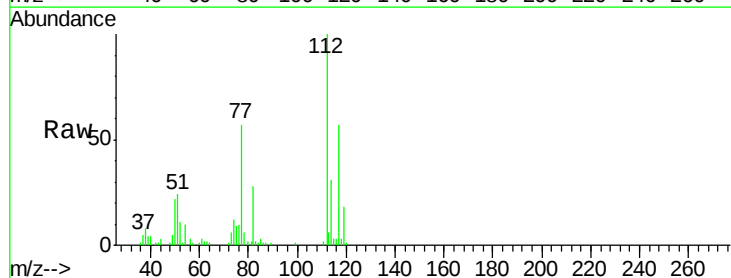
Manual Integrations
APPROVED

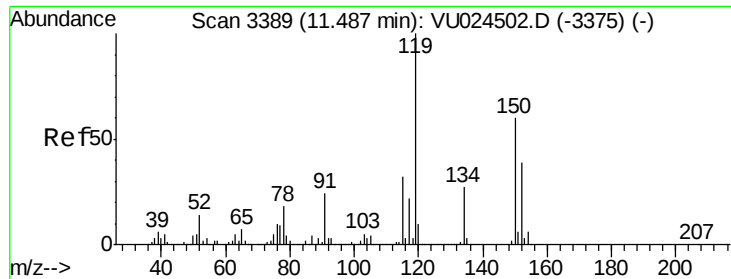
Sam
7/6/2018 4:21:47 PM



#65
Chlorobenzene
Concen: 3.108 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025214.D
Acq: 05 Jul 2018 14:36

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	22826		
114	30.7		25.6	38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

Instrument :

MSVOA_U

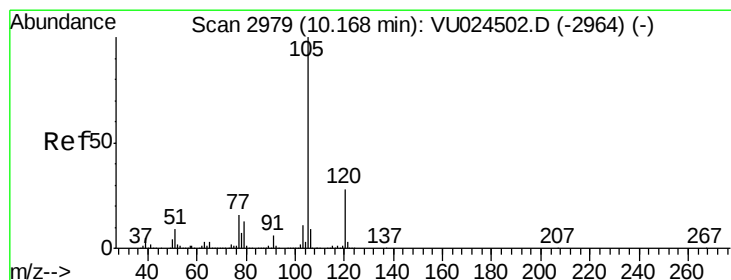
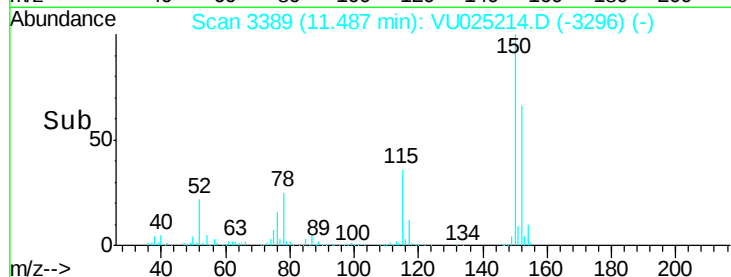
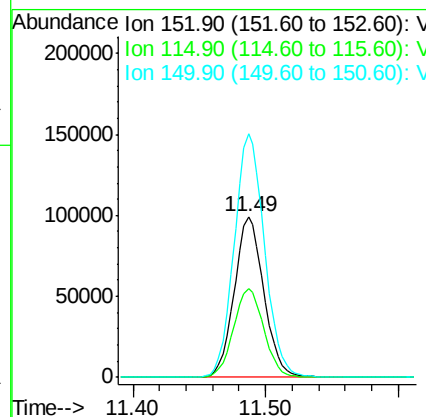
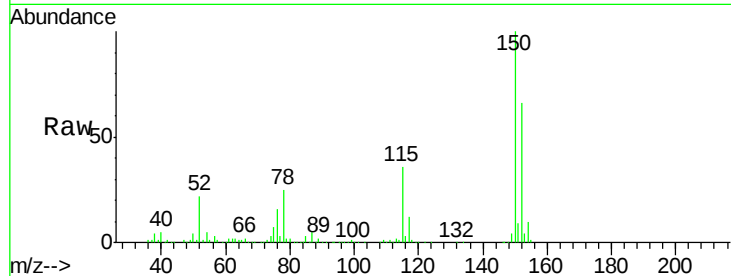
ClientSampleId :

WP021MW472-180628

Tot Ion:	152	Resp:	153401
Ion Ratio	Lower	Upper	
152	100		
115	56.6	43.0	129.0
150	155.7	0.0	354.0

Manual Integrations
APPROVED

sam
7/6/2018 4:21:47 PM



#73

Isopropylbenzene

Concen: 1.190 ug/l

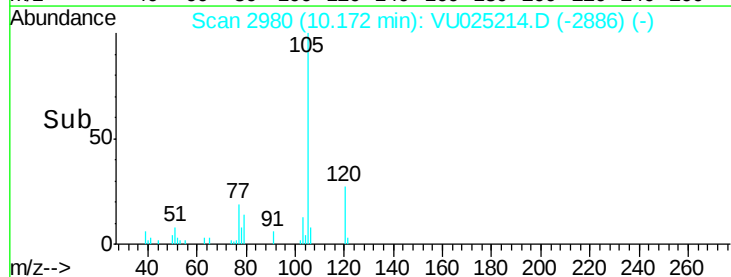
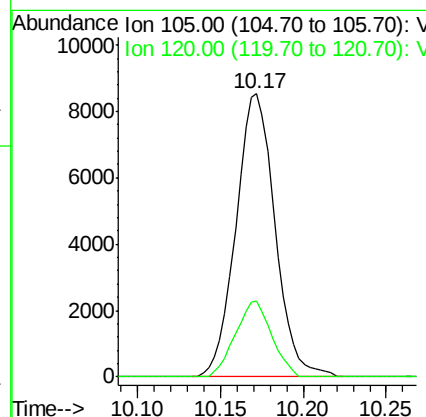
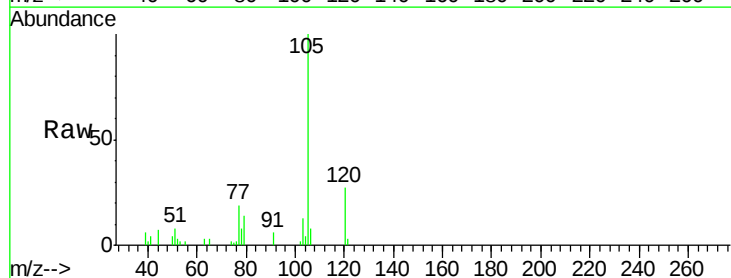
RT: 10.17 min Scan# 2980

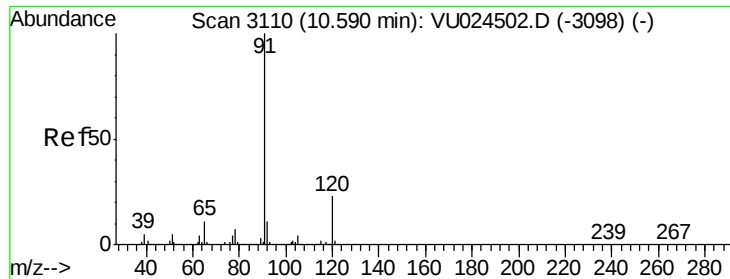
Delta R.T. 0.00 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

Tgt Ion:	105	Resp:	14014
Ion Ratio	Lower	Upper	
105	100		
120	24.8	13.2	39.6





#78

n-propylbenzene

Concen: 1.517 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628

Tot Ion: 91 Resp: 21045

Ion Ratio Lower Upper

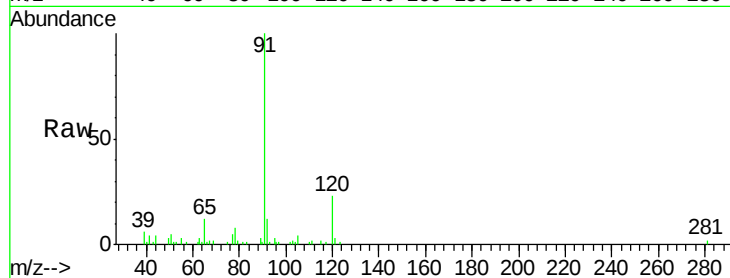
91 100

120 22.1 11.2 33.5

Manual Integrations
APPROVED

Sam

7/6/2018 4:21:47 PM



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3098) (-)

15000

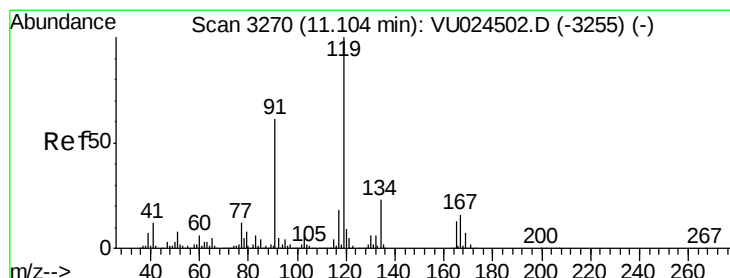
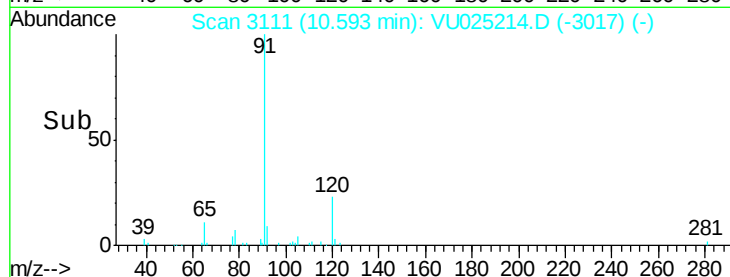
10000

5000

0

10.55 10.60 10.65

Time-->



#83

tert-Butylbenzene

Concen: 6.274 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

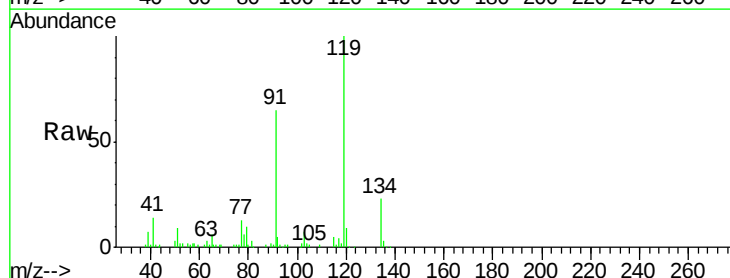
Tgt Ion: 119 Resp: 61608

Ion Ratio Lower Upper

119 100

91 68.0 29.7 89.1

134 23.1 11.6 34.7



Abundance Ion 119.00 (118.70 to 119.70): VU024502.D (-3255) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-3255) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3255) (-)

50000

40000

30000

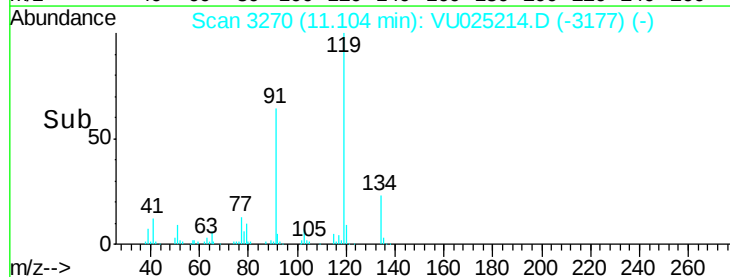
20000

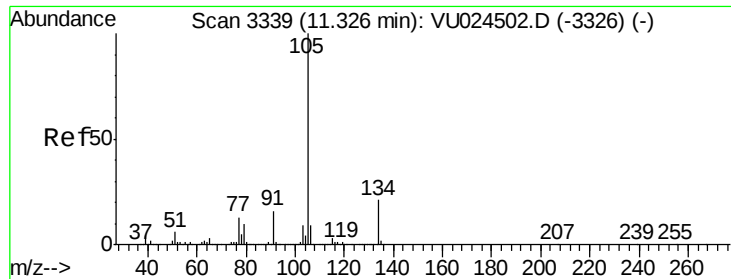
10000

0

11.05 11.10 11.15

Time-->





#85

sec-Butylbenzene

Concen: 7.902 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

Instrument :

MSVOA_U

ClientSampleId :

WP021MW472-180628

Tot Ion:105 Resp: 97120

Ion Ratio Lower Upper

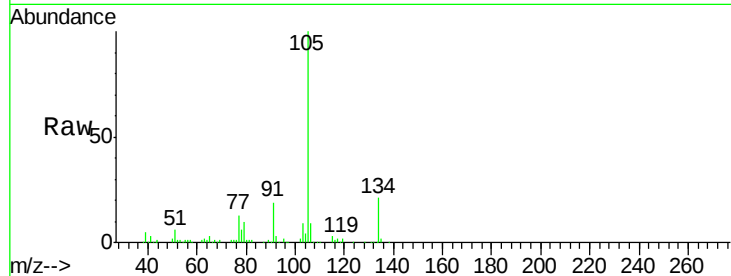
105 100

134 17.5 9.7 29.1

Manual Integrations
APPROVED

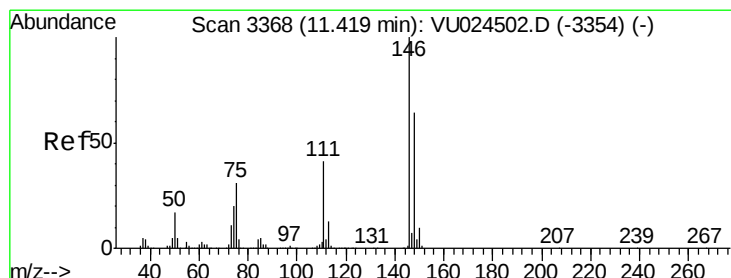
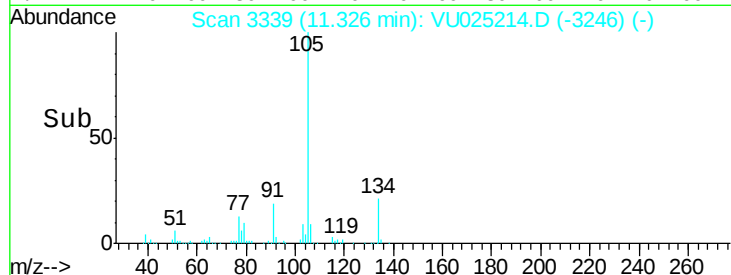
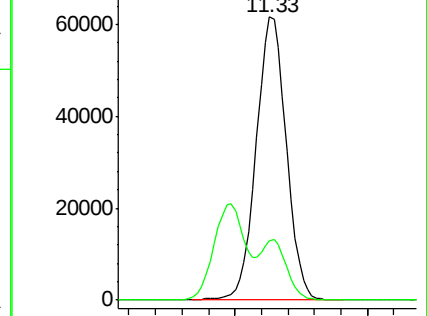
sam

7/6/2018 4:21:47 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.320 ug/l

RT: 11.43 min Scan# 3370

Delta R.T. 0.01 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

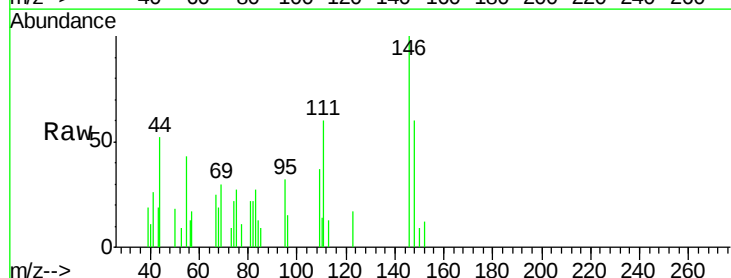
Tgt Ion:146 Resp: 1764

Ion Ratio Lower Upper

146 100

111 74.0 20.0 60.0#

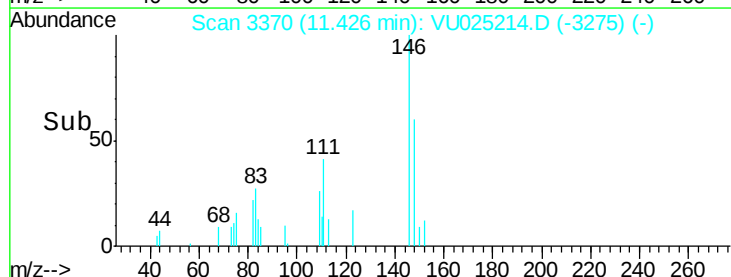
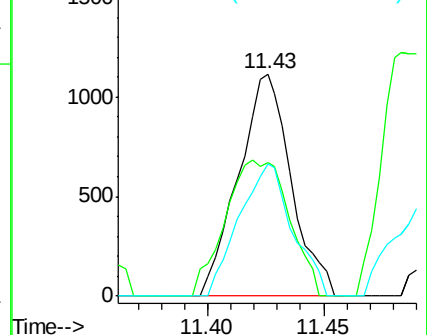
148 59.9 32.1 96.5

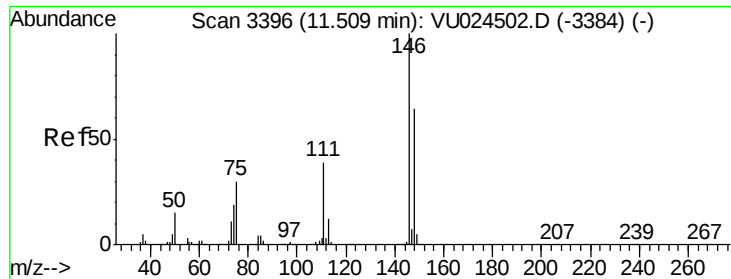


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





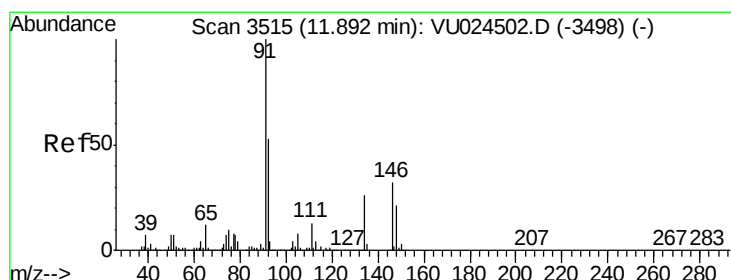
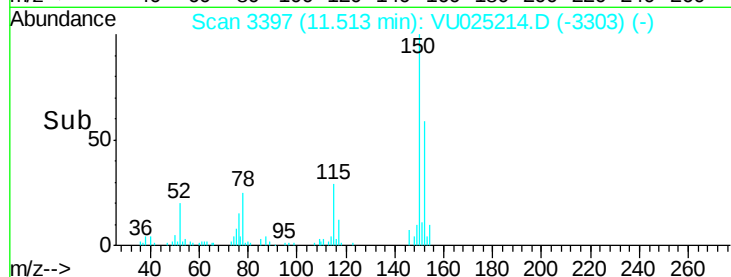
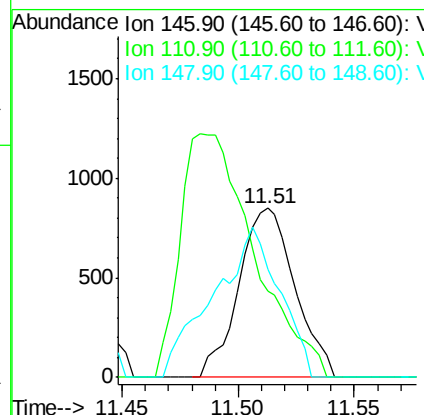
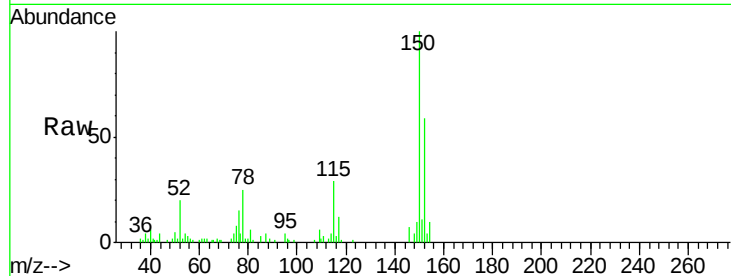
#88
 1,4-Dichlorobenzene
 Concen: 0.257 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025214.D
 Acq: 05 Jul 2018 14:36

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW472-180628

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.5	58.5#
148	104.1	32.4	97.0#

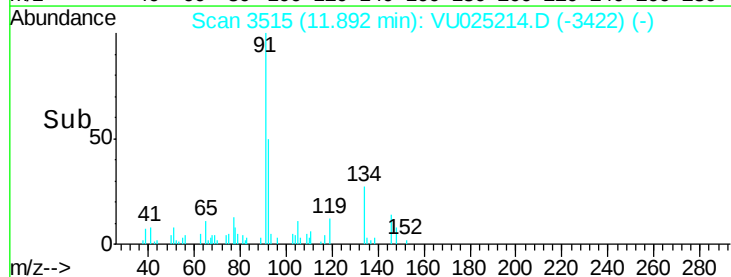
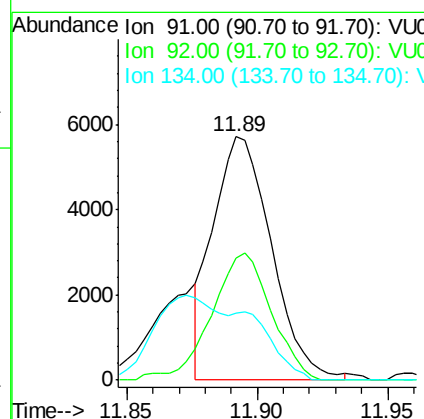
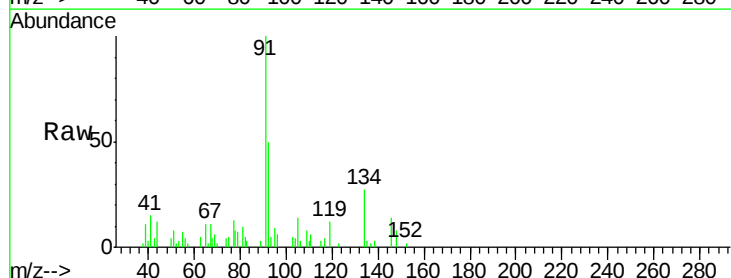
Manual Integrations
 APPROVED

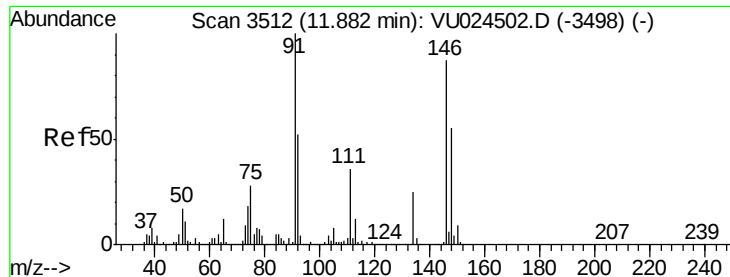
sam
 7/6/2018 4:21:47 PM



#89
 n-Butylbenzene
 Concen: 0.914 ug/l m
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025214.D
 Acq: 05 Jul 2018 14:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	25.6	76.8
134	0.0	12.3	36.8#





#91

1,2-Dichlorobenzene

Concen: 0.248 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

Instrument :

MSVOA_U

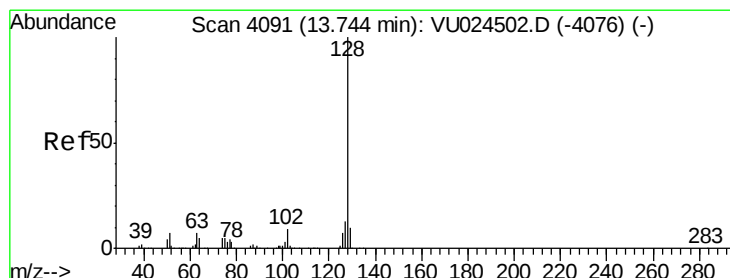
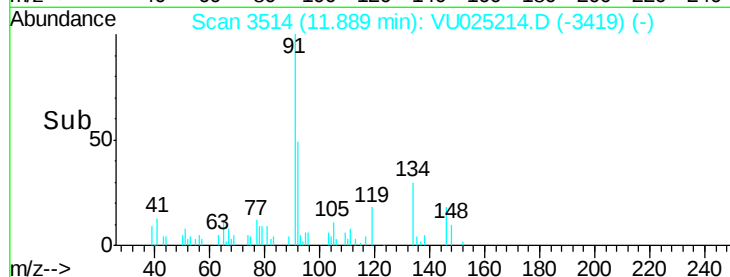
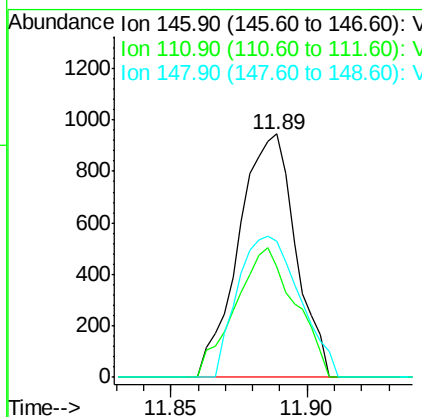
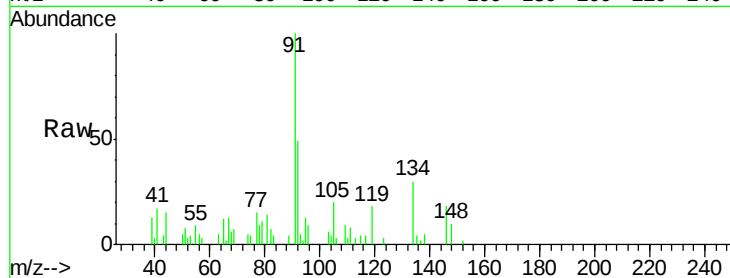
ClientSampleId :

WP021MW472-180628

Tot Ion:	146	Resp:	1366
Ion Ratio	Lower	Upper	
146	100		
111	56.1	20.5	61.6
148	63.6	31.9	95.7

Manual Integrations
APPROVED

sam
7/6/2018 4:21:47 PM



#95

Naphthalene

Concen: 1.335 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU025214.D

Acq: 05 Jul 2018 14:36

Tgt Ion:	128	Resp:	7498
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.6	16.0
129	17.4	8.6	12.8#

