

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024682.D
 Acq On : 18 Jun 2018 11:23
 Operator : MD/SY
 Sample : VU0618WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:54:59 PM

Quant Time: Jun 18 17:52:00 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	182597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	278486	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	141980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	127292	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	
35) Dibromofluoromethane	4.89	113	113020	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
50) Toluene-d8	7.57	98	401768	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
62) 4-Bromofluorobenzene	10.31	95	147518	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	36414	15.93	ug/l	99
3) Chloromethane	1.33	50	42951	18.39	ug/l	99
4) Vinyl Chloride	1.41	62	46007	19.11	ug/l	97
5) Bromomethane	1.63	94	26765	22.99	ug/l	97
6) Chloroethane	1.70	64	29945	21.66	ug/l	98
7) Trichlorofluoromethane	1.89	101	71863	19.55	ug/l	98
8) Diethyl Ether	2.10	74	27381	20.79	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.29	101	41167	18.06	ug/l	97
10) Methyl Iodide	2.41	142	33543	20.83	ug/l	96
11) Tert butyl alcohol	2.82	59	61294	84.54	ug/l	98
12) 1,1-Dichloroethene	2.29	96	37850	18.20	ug/l	95
13) Acrolein	2.20	56	21690	56.97	ug/l	99
14) Allyl chloride	2.60	41	67645	17.52	ug/l	91
15) Acrylonitrile	2.94	53	139761	99.08	ug/l	100
16) Acetone	2.32	43	145036	90.55	ug/l	95
17) Carbon Disulfide	2.48	76	112034	16.83	ug/l	99
18) Methyl Acetate	2.62	43	69505	20.24	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	147810	18.91	ug/l	99
20) Methylene Chloride	2.71	84	46395	18.46	ug/l	96
21) trans-1,2-Dichloroethene	2.99	96	42528	18.57	ug/l	91
22) Diisopropyl ether	3.57	45	147840	19.32	ug/l	93
23) Vinyl Acetate	3.53	43	651030	94.97	ug/l	98
24) 1,1-Dichloroethane	3.45	63	84003	19.08	ug/l	98
25) 2-Butanone	4.27	43	208323	96.83	ug/l	96
26) 2,2-Dichloropropane	4.23	77	75749	18.12	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	51608	19.60	ug/l	95
28) Bromochloromethane	4.55	49	37252	19.21	ug/l	88
29) Tetrahydrofuran	4.64	42	129288	97.04	ug/l	98
30) Chloroform	4.68	83	85073	19.09	ug/l	96
31) Cyclohexane	5.00	56	77750	18.65	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	75814	18.40	ug/l	96
36) 1,1-Dichloropropene	5.14	75	59857	18.29	ug/l	97
37) Ethyl Acetate	4.38	43	73543	20.62	ug/l #	96
38) Carbon Tetrachloride	5.14	117	68339	18.99	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024682.D
 Acq On : 18 Jun 2018 11:23
 Operator : MD/SY
 Sample : VU0618WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:54:59 PM

Quant Time: Jun 18 17:52:00 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)
39) Methylcyclohexane	6.42	83	77959	19.09	ug/l	97
40) Benzene	5.39	78	183767	19.71	ug/l	99
41) Methacrylonitrile	4.55	41	39387	20.48	ug/l	95
42) 1,2-Dichloroethane	5.41	62	65203	18.36	ug/l	96
43) Isopropyl Acetate	5.55	43	120015	19.47	ug/l	99
44) Trichloroethene	6.19	130	49151	18.52	ug/l	97
45) 1,2-Dichloropropane	6.44	63	50842	20.43	ug/l	96
46) Dibromomethane	6.56	93	34559	19.77	ug/l	93
47) Bromodichloromethane	6.76	83	67050	19.27	ug/l	98
48) Methyl methacrylate	6.63	41	58608	19.52	ug/l	98
49) 1,4-Dioxane	6.62	88	24590	418.84	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	391371	101.04	ug/l	98
52) Toluene	7.64	92	114148	19.03	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	71940	18.41	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	78247	18.79	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	47723	19.57	ug/l	99
56) Ethyl methacrylate	8.02	69	79789	19.55	ug/l	99
57) 1,3-Dichloropropane	8.25	76	82602	20.08	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	151048	96.60	ug/l	95
59) 2-Hexanone	8.36	43	307098	97.12	ug/l	99
60) Dibromochloromethane	8.48	129	55487	18.25	ug/l	99
61) 1,2-Dibromoethane	8.59	107	52954	19.51	ug/l	100
64) Tetrachloroethene	8.23	164	47829	19.64	ug/l	97
65) Chlorobenzene	9.12	112	133251	20.36	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	51190	20.58	ug/l	100
67) Ethyl Benzene	9.25	91	224685	19.58	ug/l	97
68) m/p-Xylenes	9.38	106	174018	39.49	ug/l	95
69) o-Xylene	9.78	106	88196	20.22	ug/l	93
70) Styrene	9.80	104	139460	19.46	ug/l	99
71) Bromoform	9.96	173	46740	19.77	ug/l #	97
73) Isopropylbenzene	10.17	105	230524	21.15	ug/l	99
74) N-amyl acetate	10.01	43	105926	20.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	81503	22.31	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	66706m	21.34	ug/l	
77) Bromobenzene	10.46	156	57260	20.75	ug/l	93
78) n-propylbenzene	10.59	91	258948	20.17	ug/l	97
79) 2-Chlorotoluene	10.66	91	156513	20.67	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	194271	20.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	26162m	19.37	ug/l	
82) 4-Chlorotoluene	10.78	91	173853	19.73	ug/l	98
83) tert-Butylbenzene	11.10	119	197782	21.76	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	199211	20.69	ug/l	99
85) sec-Butylbenzene	11.33	105	232096	20.40	ug/l	98
86) p-Isopropyltoluene	11.48	119	203285	19.95	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	101907	19.99	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	101640	19.81	ug/l	99
89) n-Butylbenzene	11.89	91	166486	18.41	ug/l	98
90) Hexachloroethane	12.15	117	39371	19.81	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	105490	20.66	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	19229	19.08	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061818\
Data File : VU024682.D
Acq On : 18 Jun 2018 11:23
Operator : MD/SY
Sample : VU0618WBS01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

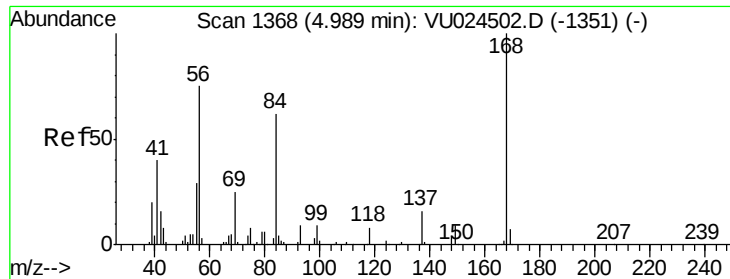
Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM

Quant Time: Jun 18 17:52:00 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	59017	18.71	ug/l	99
94) Hexachlorobutadiene	13.70	225	34390	19.37	ug/l	98
95) Naphthalene	13.75	128	185211	18.18	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	62202	19.80	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion:168 Resp: 182597

Ion Ratio Lower Upper

168 100

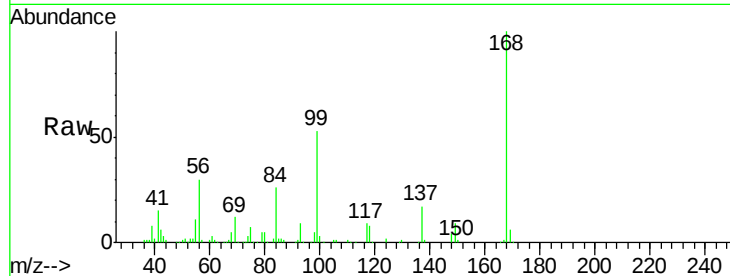
99 52.3 43.2 64.8

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:54:59 PM



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

80000

60000

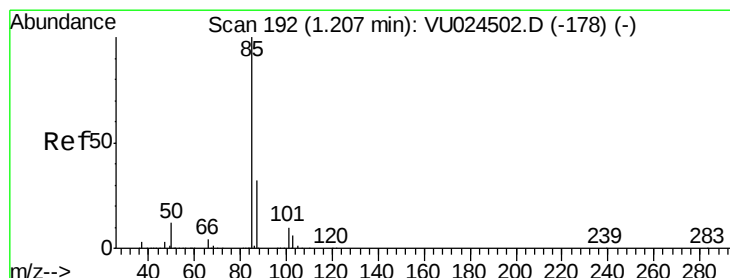
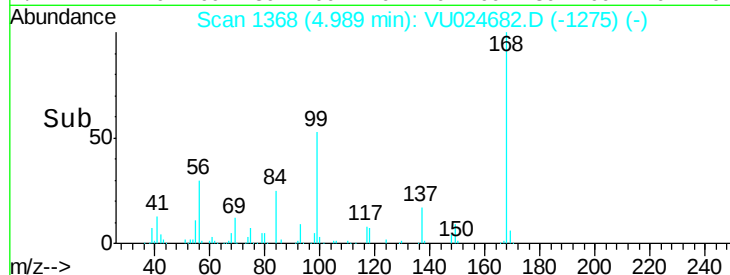
40000

20000

0

4.90 4.99 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 15.93 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024682.D

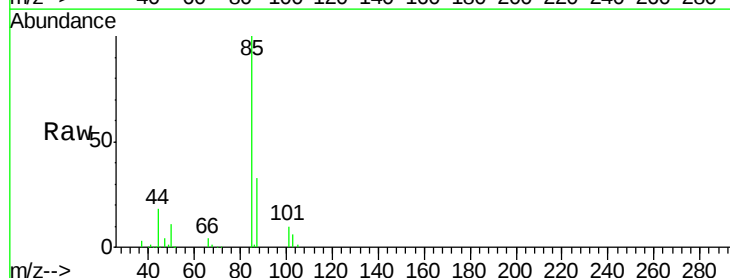
Acq: 18 Jun 2018 11:23

Tgt Ion: 85 Resp: 36414

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024502.D (-178) (-)

Ion 86.90 (86.60 to 87.60): VU024502.D (-178) (-)

40000

30000

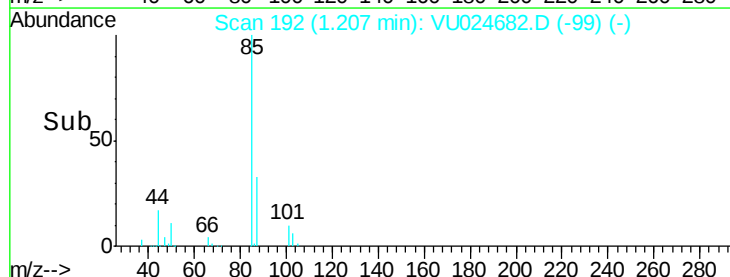
20000

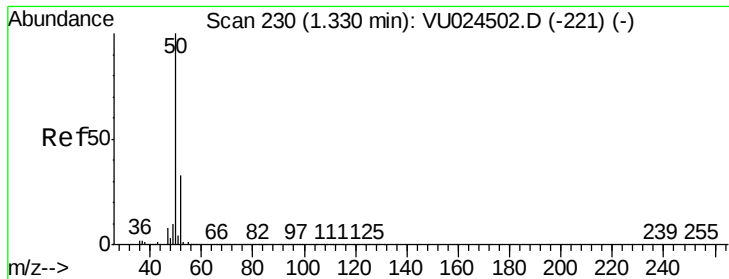
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 18.39 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 50 Resp: 42951

Ion Ratio Lower Upper

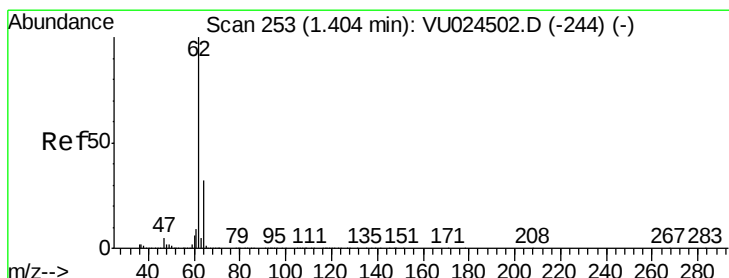
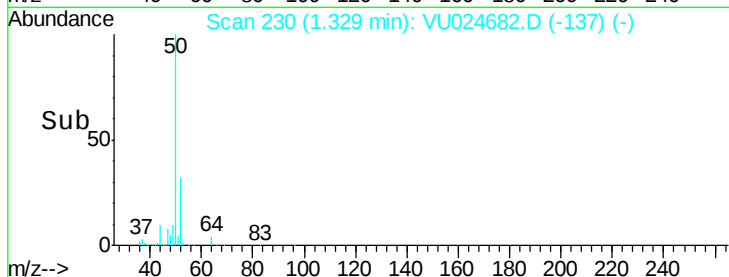
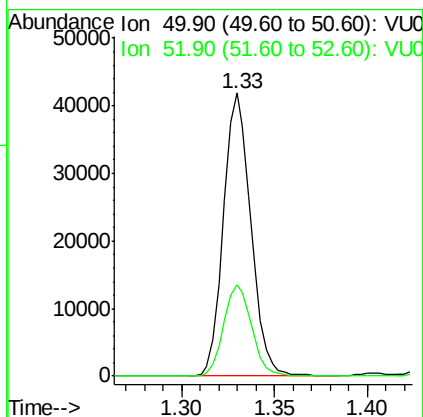
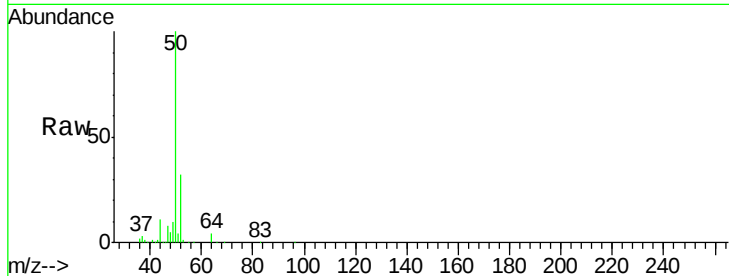
50 100

52 32.4 26.4 39.6

Manual Integrations
APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#4

Vinyl Chloride

Concen: 19.11 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024682.D

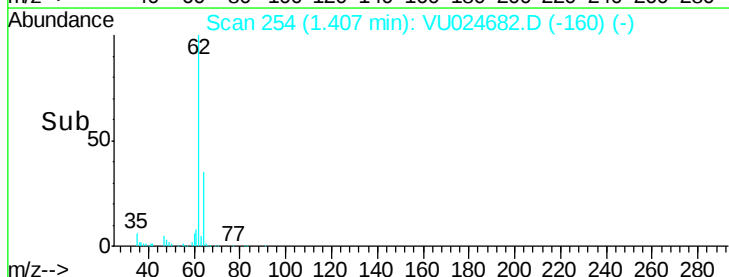
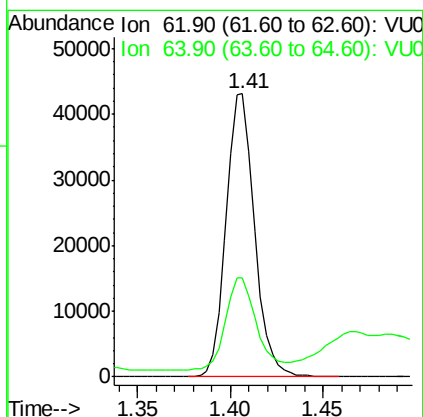
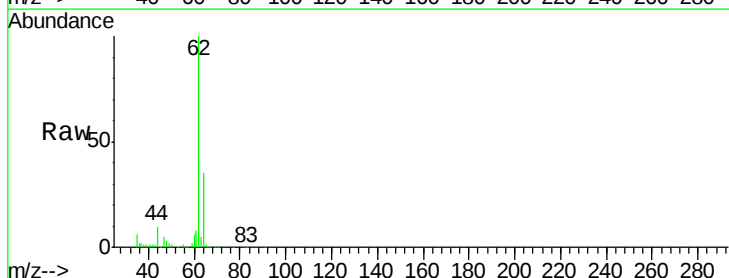
Acq: 18 Jun 2018 11:23

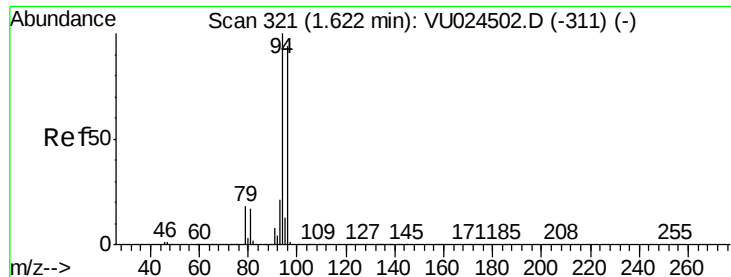
Tgt Ion: 62 Resp: 46007

Ion Ratio Lower Upper

62 100

64 32.5 24.8 37.2





#5

Bromomethane

Concen: 22.99 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 94 Resp: 26765

Ion Ratio Lower Upper

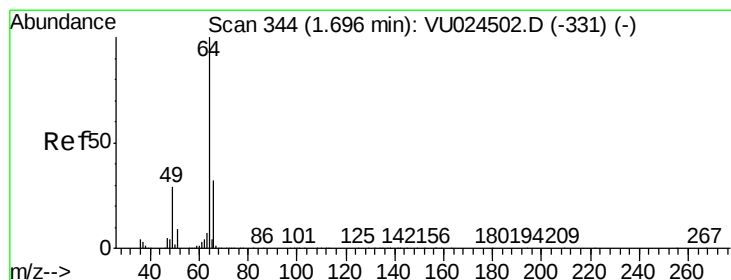
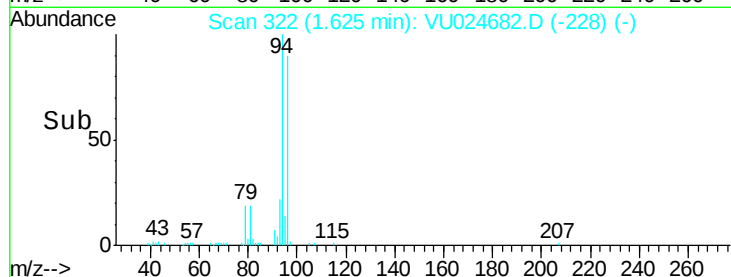
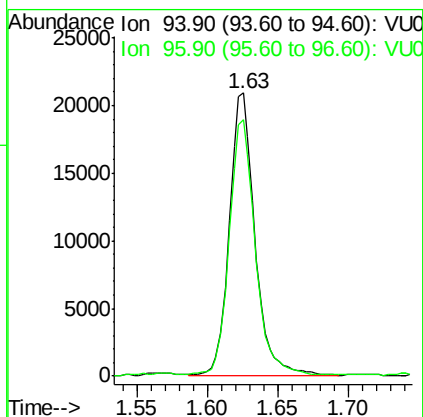
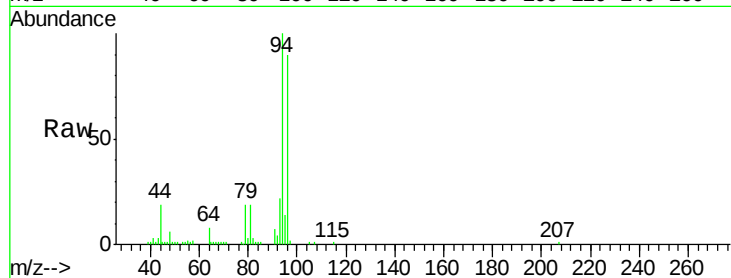
94 100

96 89.9 74.5 111.7

Manual Integrations
APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#6

Chloroethane

Concen: 21.66 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024682.D

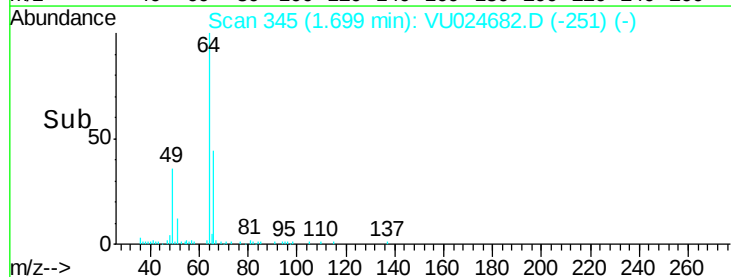
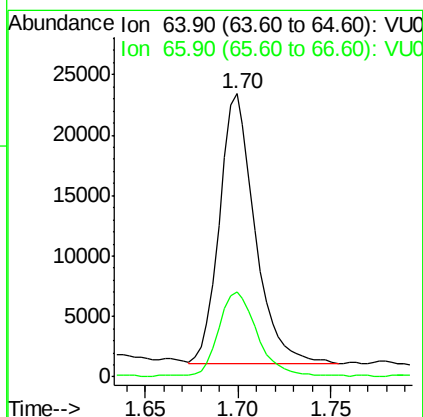
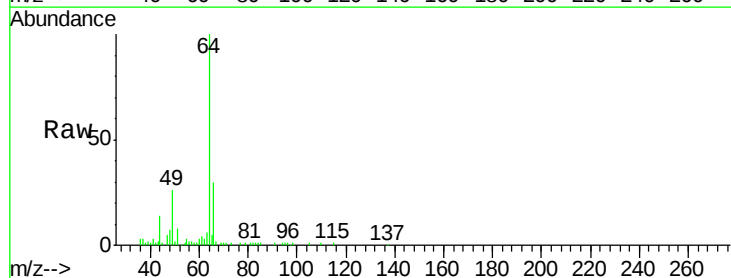
Acq: 18 Jun 2018 11:23

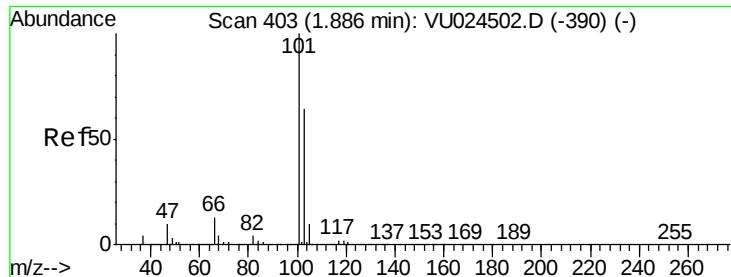
Tgt Ion: 64 Resp: 29945

Ion Ratio Lower Upper

64 100

66 30.8 25.5 38.3





#7

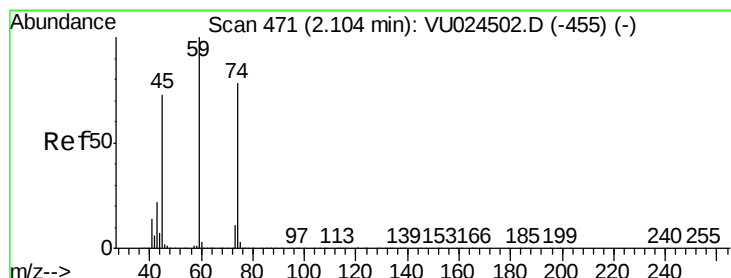
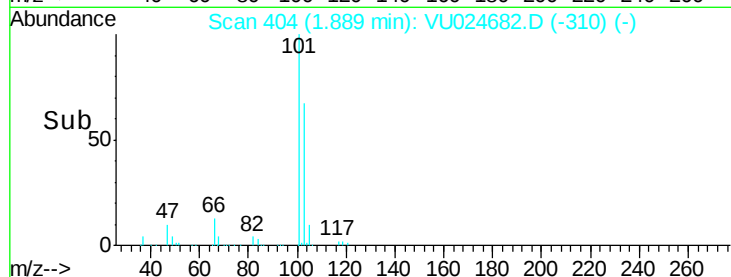
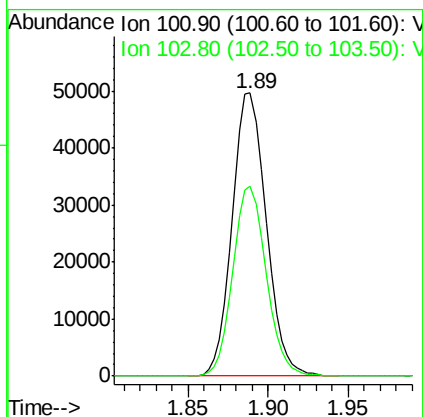
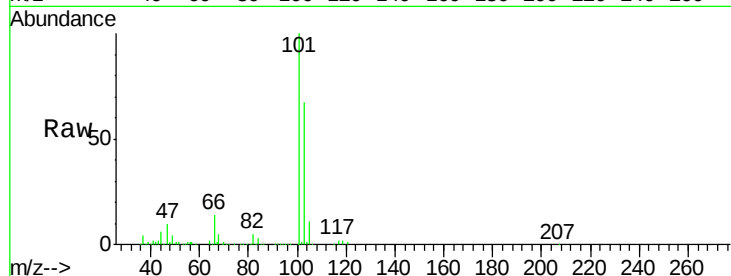
Trichlorofluoromethane
 Concen: 19.55 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.3	78.5

Manual Integrations
 APPROVED

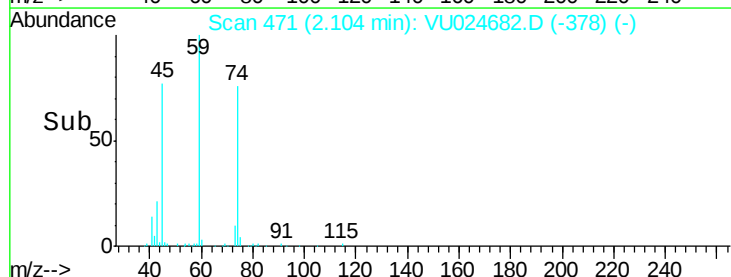
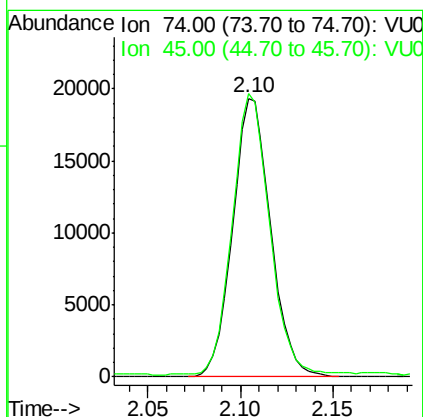
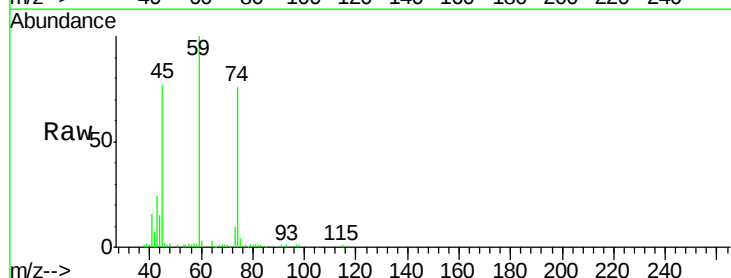
MMDadoda
 6/19/2018 1:54:59 PM

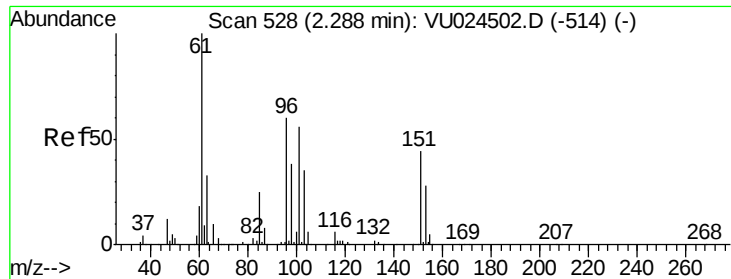


#8

Diethyl Ether
 Concen: 20.79 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.06 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

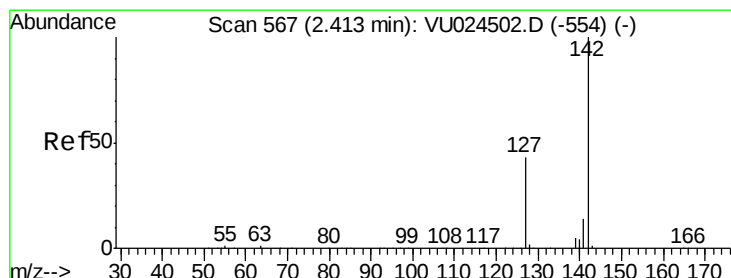
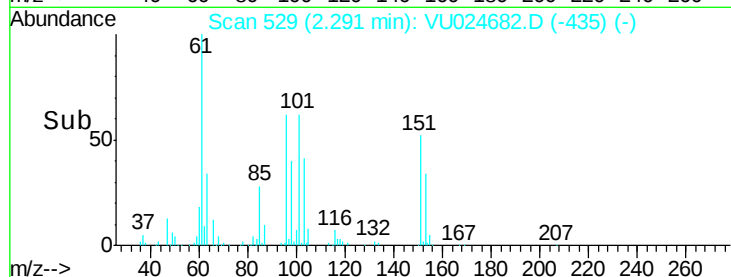
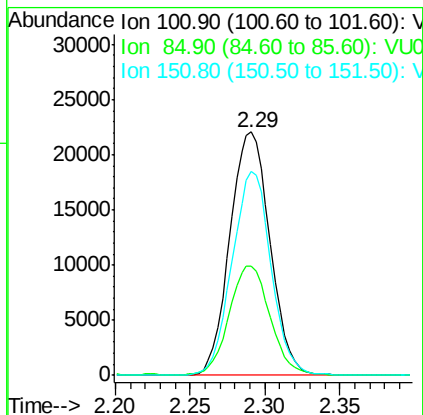
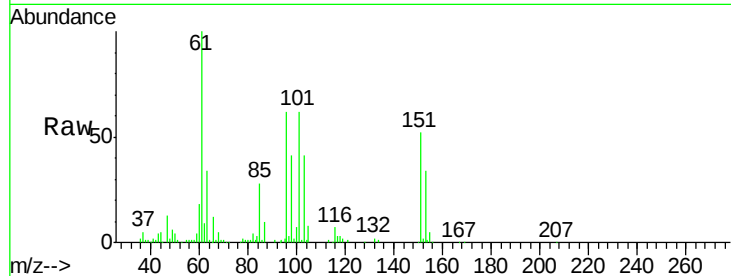
ClientSampleId :

VU0618WBS01

Tot Ion:	101	Resp:	41167
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.0	54.0
151	81.6	62.3	93.5

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#10

Methyl Iodide

Concen: 20.83 ug/l

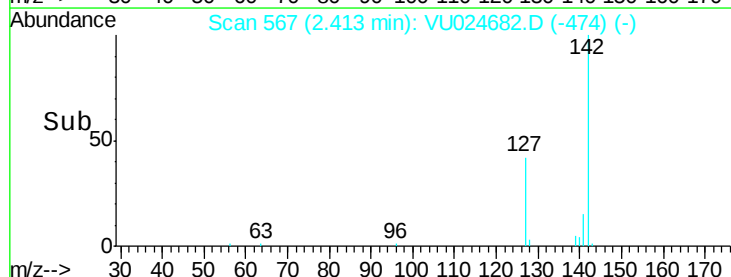
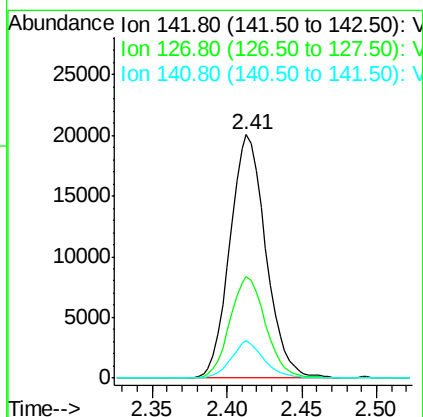
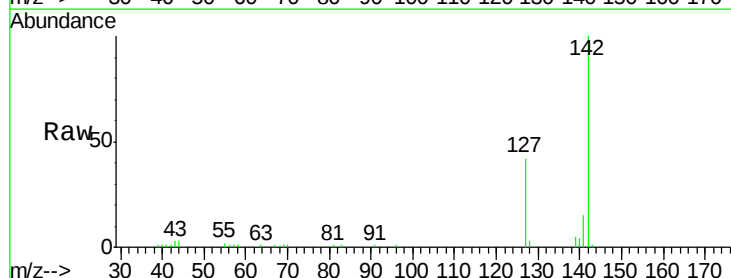
RT: 2.41 min Scan# 567

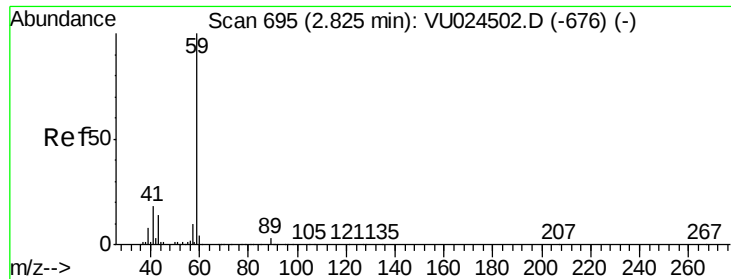
Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion:	142	Resp:	33543
Ion Ratio	Lower	Upper	
142	100		
127	41.4	35.6	53.4
141	13.9	11.7	17.5





#11

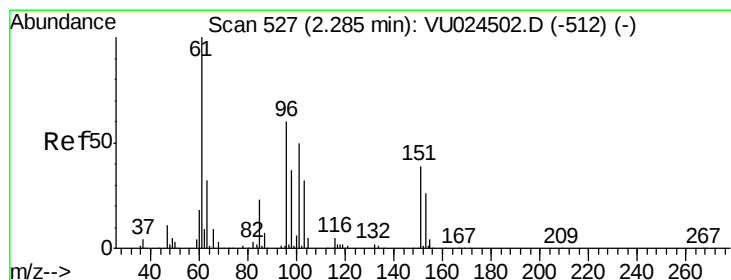
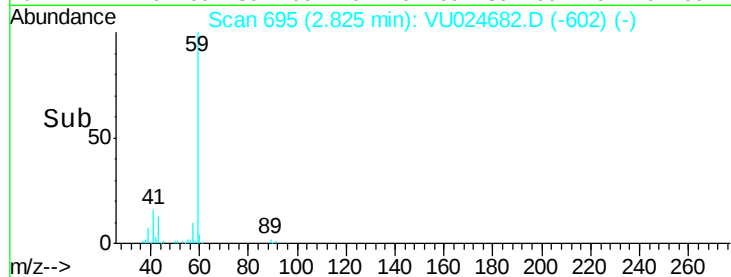
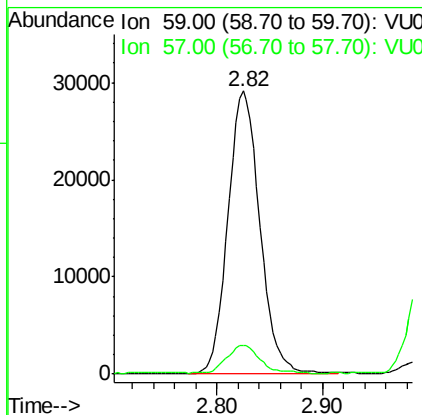
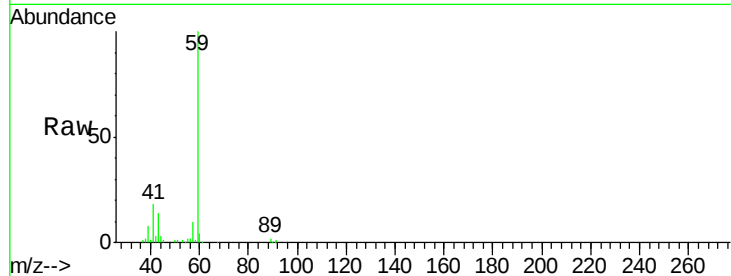
Tert butyl alcohol
 Concen: 84.54 ug/l
 RT: 2.82 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

Manual Integrations
 APPROVED

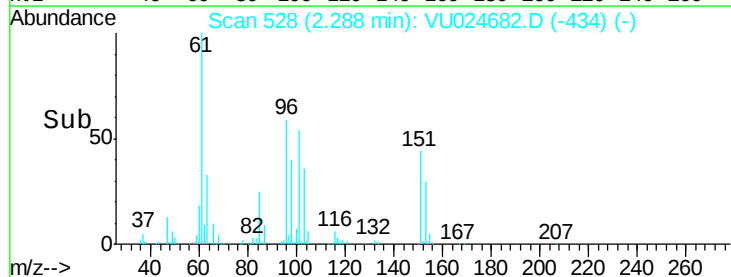
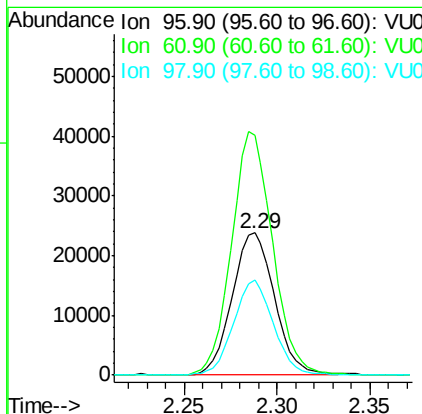
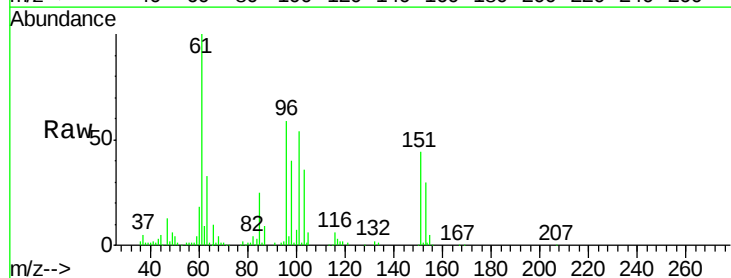
MMDadoda
 6/19/2018 1:54:59 PM

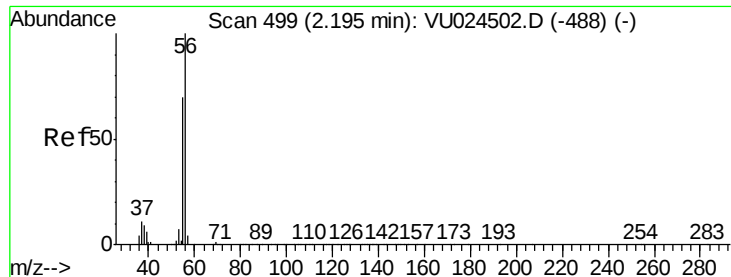


#12

1,1-Dichloroethene
 Concen: 18.20 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	141.7	212.5
98	66.3	51.6	77.4





#13

Acrolein

Concen: 56.97 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 56 Resp: 21690

Ion Ratio Lower Upper

56 100

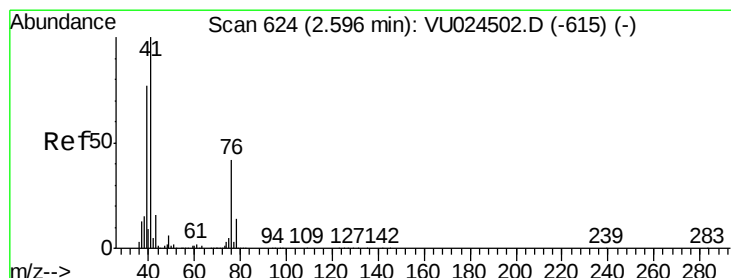
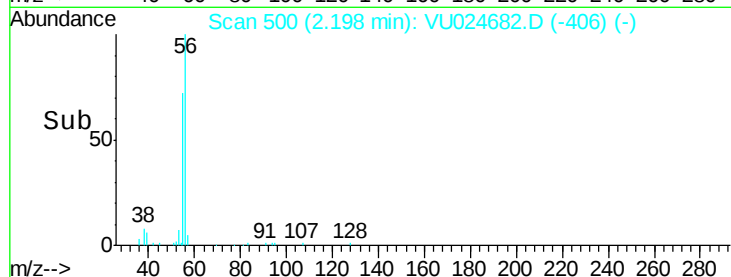
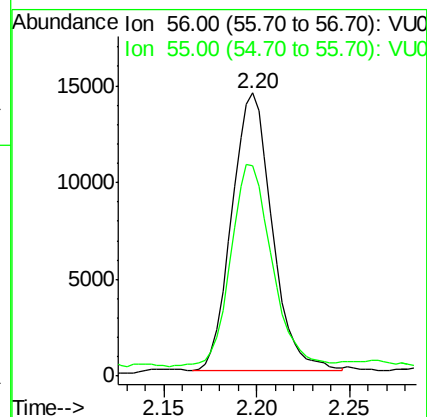
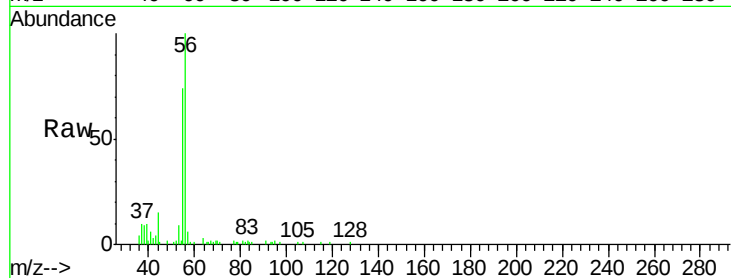
55 73.6 58.4 87.6

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#14

Allyl chloride

Concen: 17.52 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

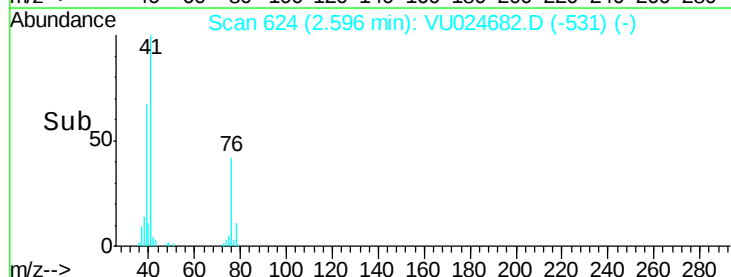
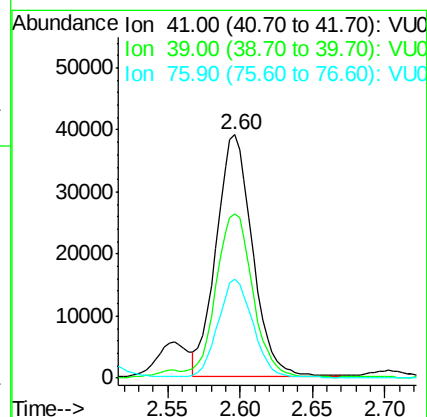
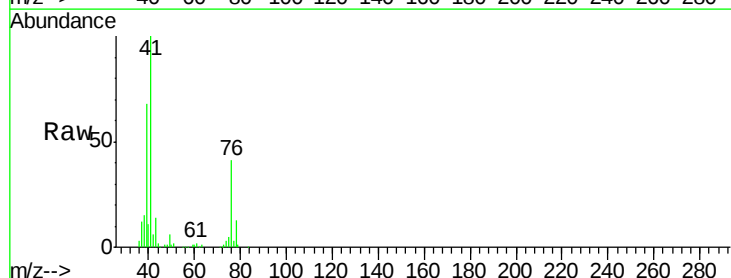
Tgt Ion: 41 Resp: 67645

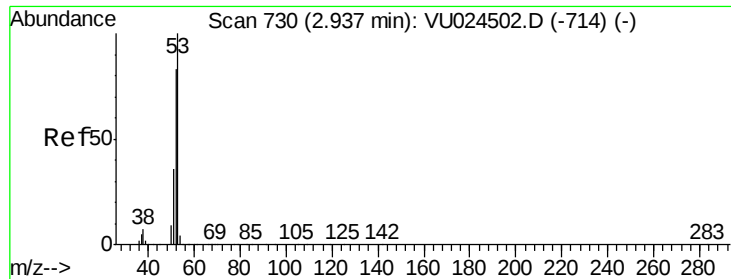
Ion Ratio Lower Upper

41 100

39 67.8 61.6 92.4

76 39.9 29.7 44.5





#15

Acrylonitrile

Concen: 99.08 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

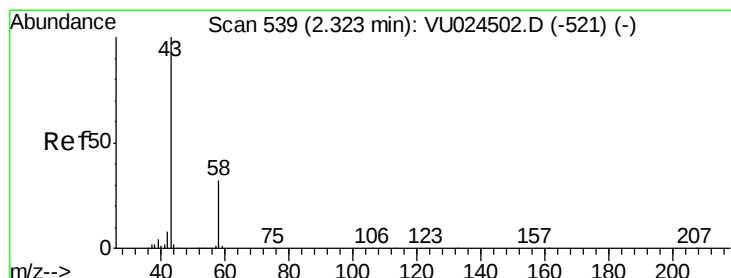
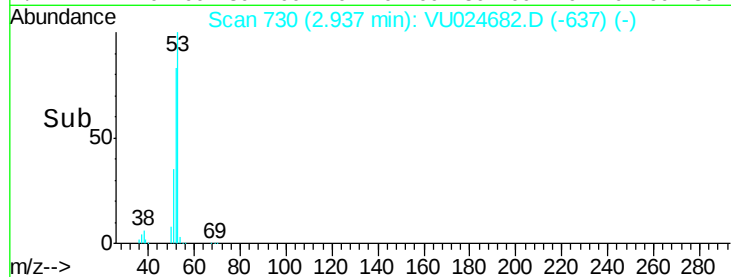
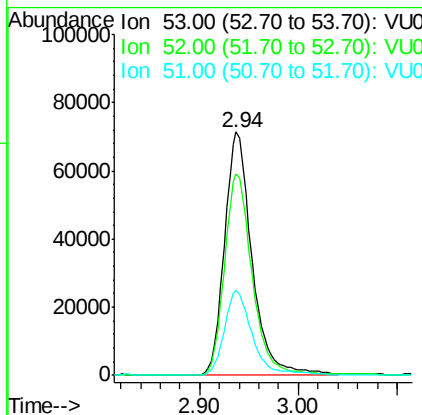
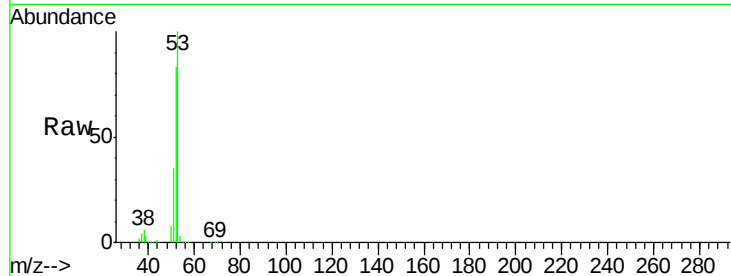
ClientSampleId :

VU0618WBS01

Tot Ion:	53	Resp:	139761
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.1	100.7
51	35.7	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#16

Acetone

Concen: 90.55 ug/l

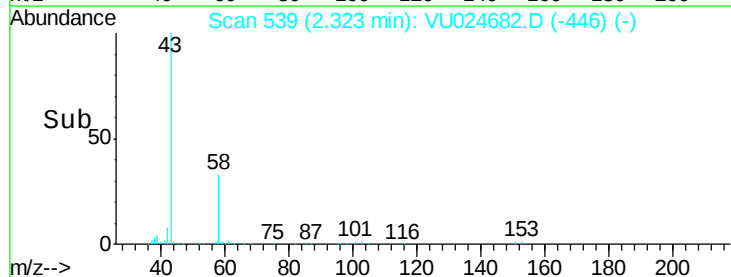
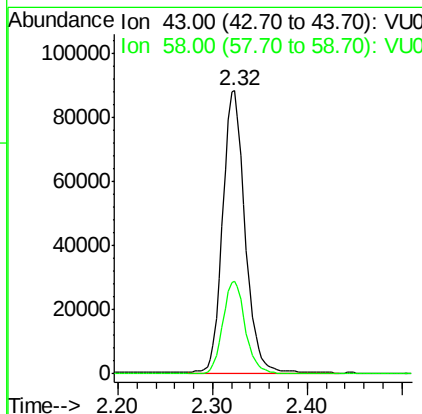
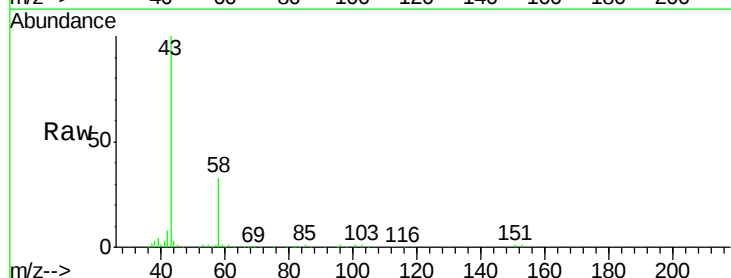
RT: 2.32 min Scan# 539

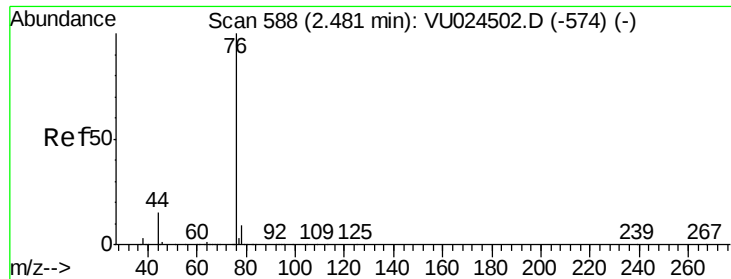
Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion:	43	Resp:	145036
Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.4	36.6





#17

Carbon Disulfide

Concen: 16.83 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 76 Resp: 112034

Ion Ratio Lower Upper

76 100

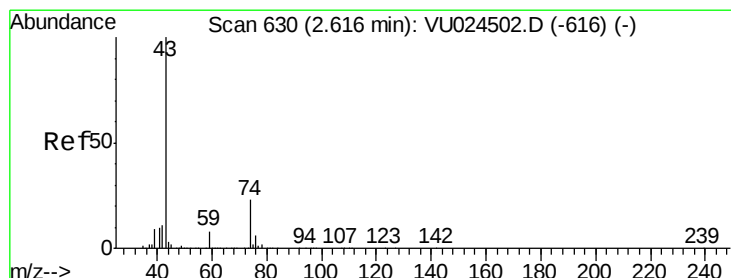
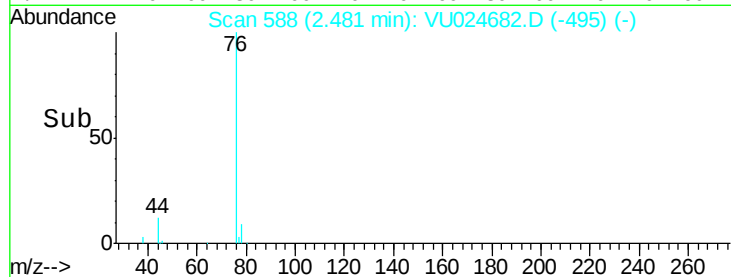
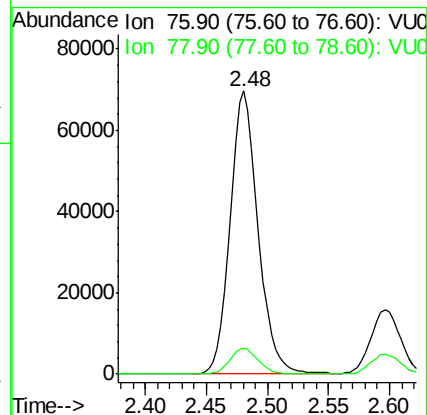
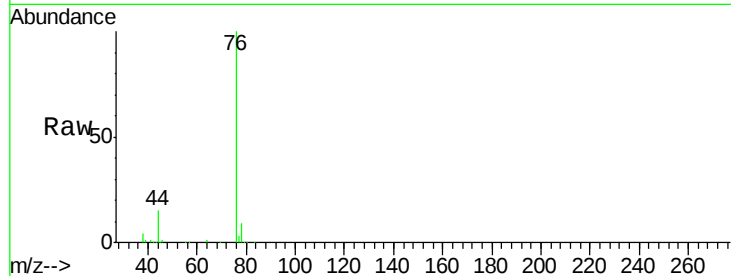
78 9.2 7.1 10.7

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#18

Methyl Acetate

Concen: 20.24 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024682.D

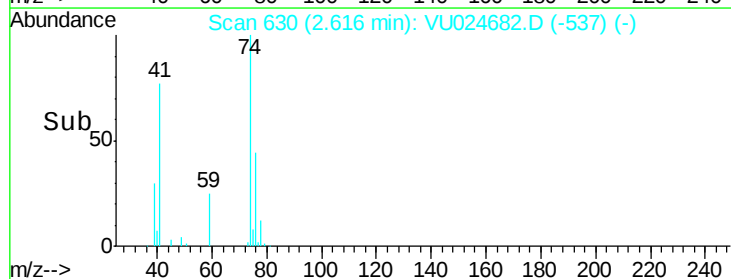
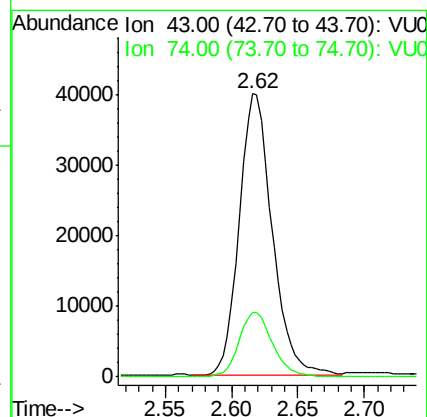
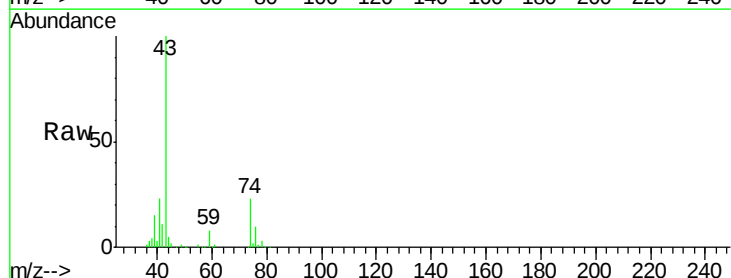
Acq: 18 Jun 2018 11:23

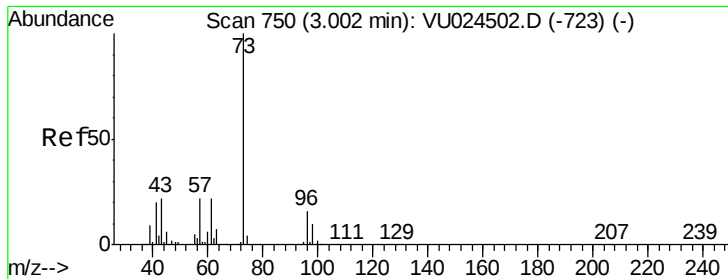
Tgt Ion: 43 Resp: 69505

Ion Ratio Lower Upper

43 100

74 23.2 18.0 27.0





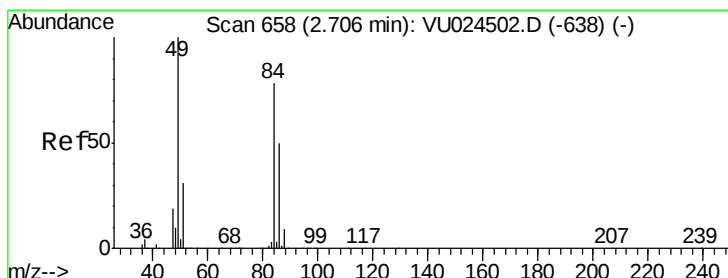
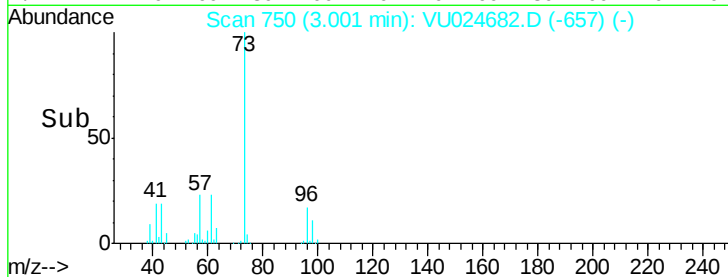
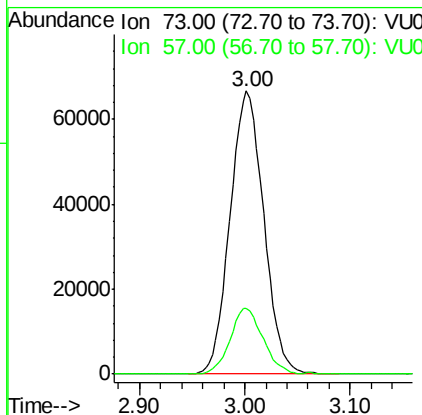
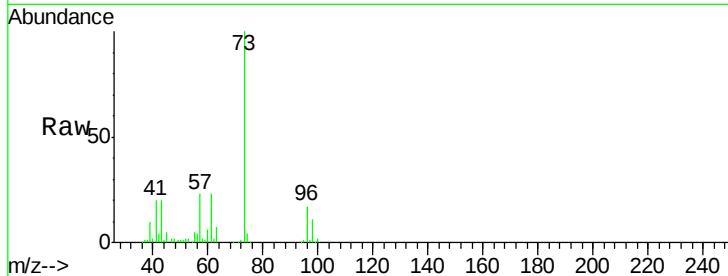
#19
Methvl tert-butvl Ether
Concen: 18.91 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.8	28.2

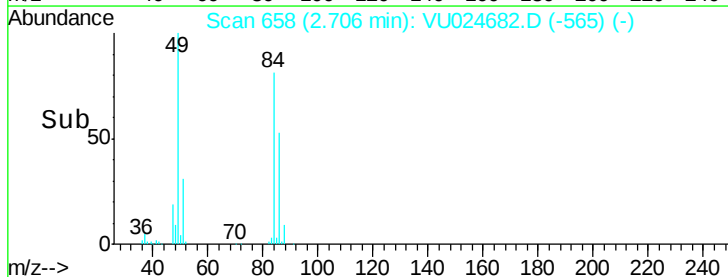
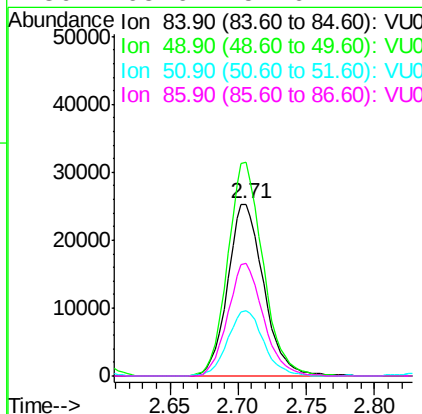
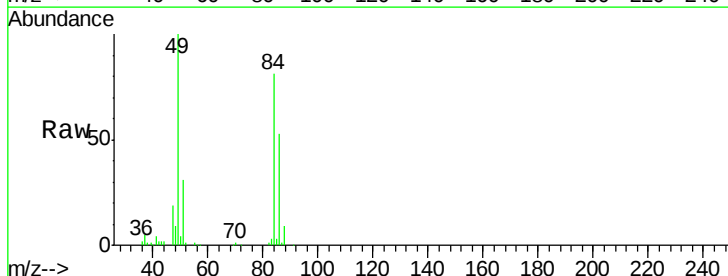
Manual Integrations
APPROVED

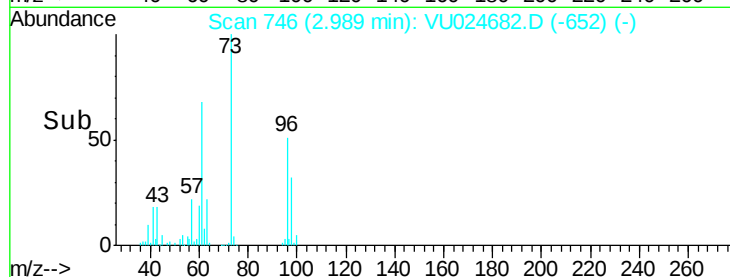
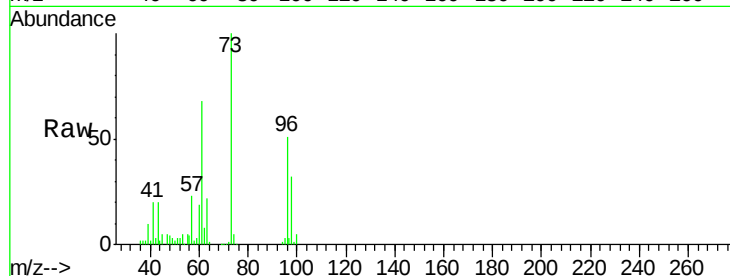
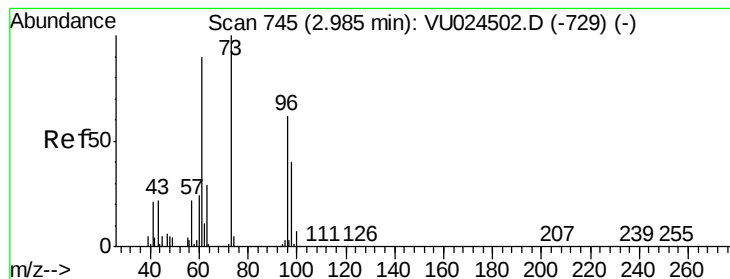
MMDadoda
6/19/2018 1:54:59 PM



#20
Methylene Chloride
Concen: 18.46 ug/l
RT: 2.71 min Scan# 658
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.1	103.8	155.8
51	38.1	32.0	48.0
86	65.6	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 18.57 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024682.D

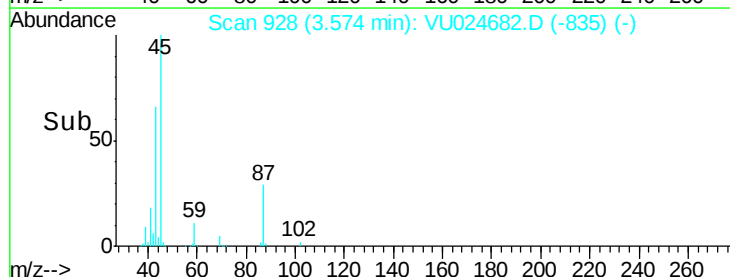
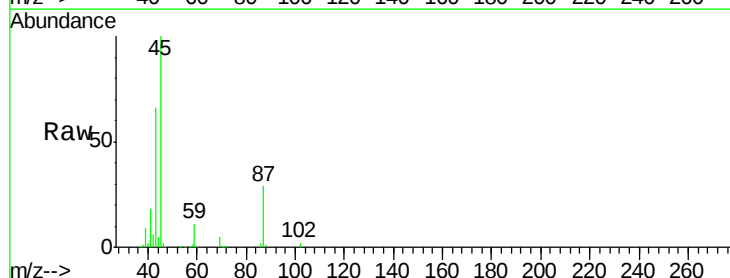
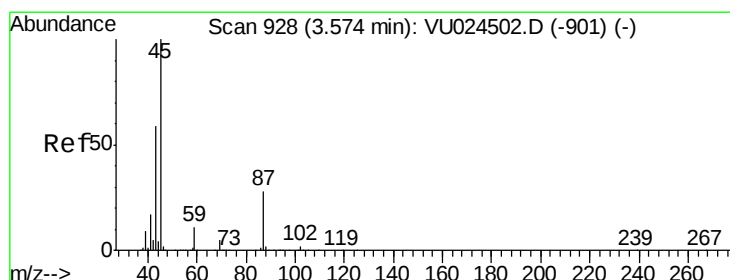
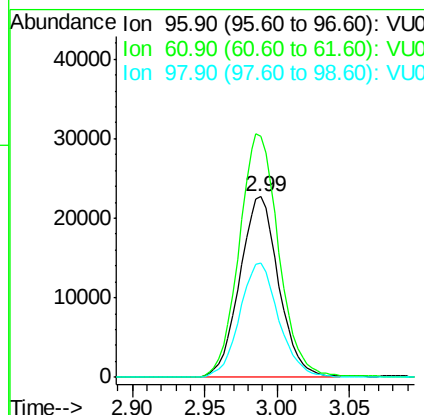
Acq: 18 Jun 2018 11:23

Tot Ion:	96	Resp:	42528
Ion	Ratio	Lower	Upper
96	100		
61	133.3	119.4	179.0
98	63.1	51.1	76.7

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#22

Diisopropyl ether

Concen: 19.32 ug/l

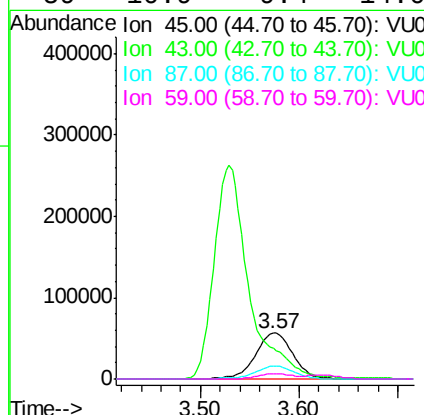
RT: 3.57 min Scan# 928

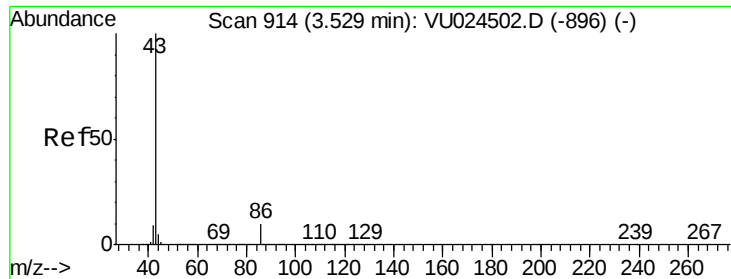
Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion:	45	Resp:	147840
Ion	Ratio	Lower	Upper
45	100		
43	63.2	45.8	68.6
87	28.6	20.6	31.0
59	10.9	9.4	14.0





#23

Vinyl Acetate

Concen: 94.97 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 43 Resp: 651030

Ion Ratio Lower Upper

43 100

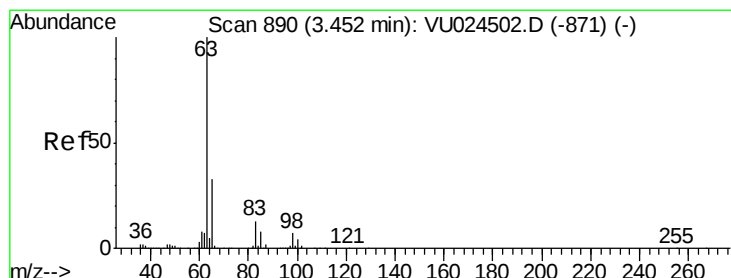
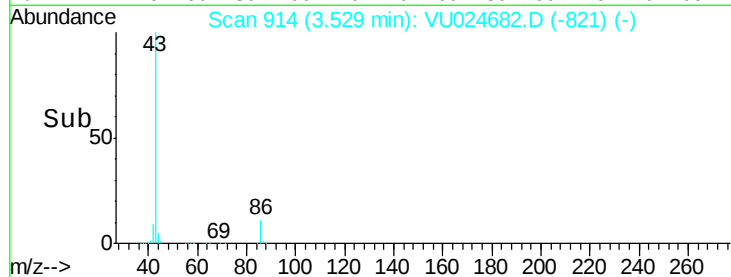
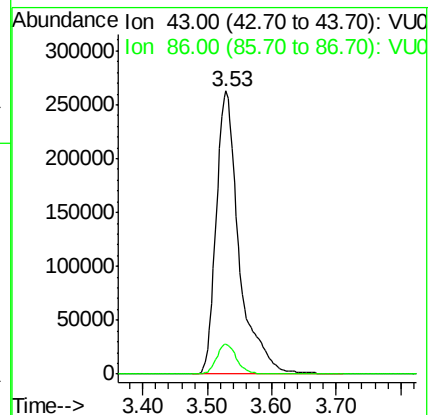
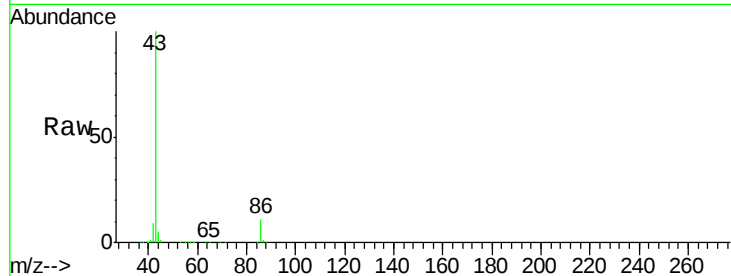
86 10.6 7.8 11.8

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#24

1,1-Dichloroethane

Concen: 19.08 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

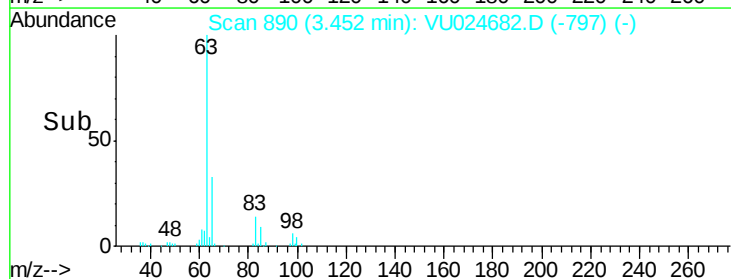
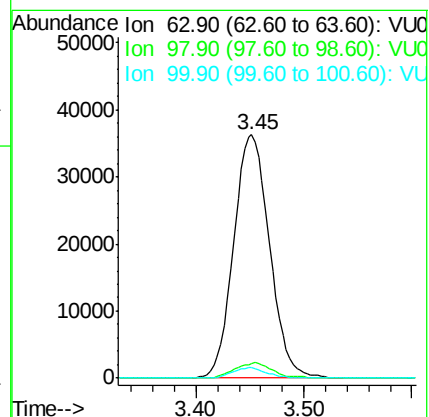
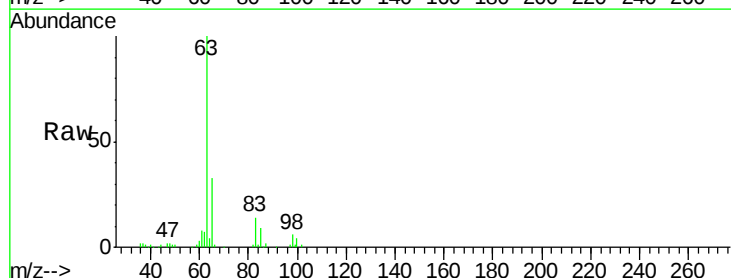
Tgt Ion: 63 Resp: 84003

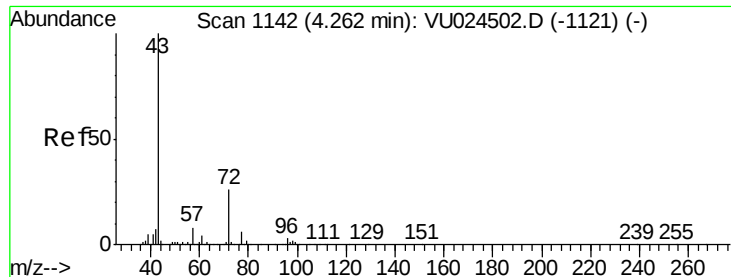
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.4

100 4.4 1.8 5.5





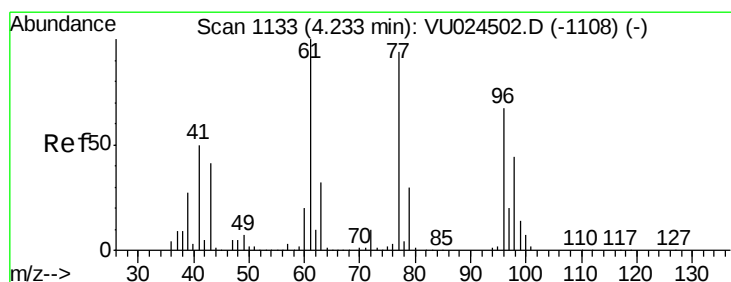
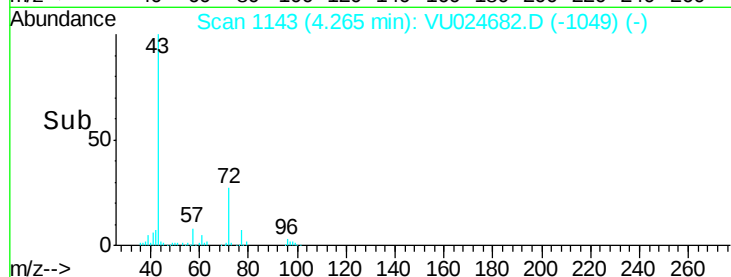
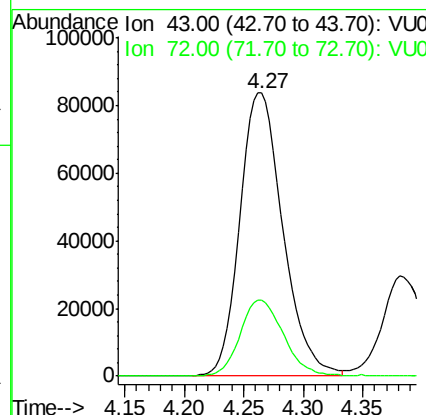
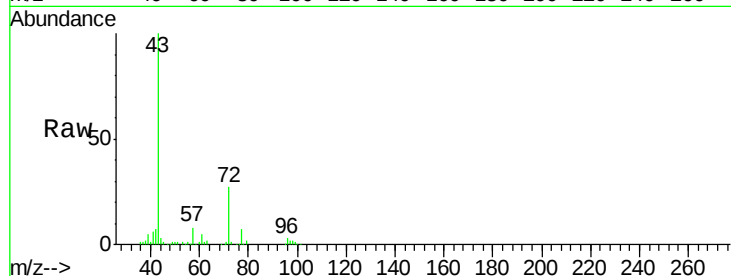
#25
2-Butanone
Concen: 96.83 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	26.7	19.6	29.4

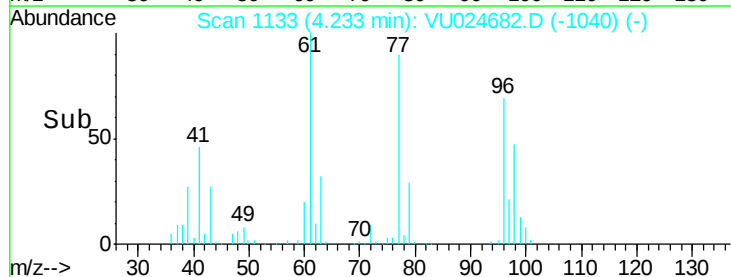
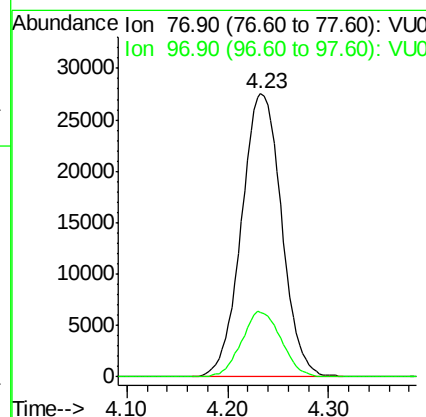
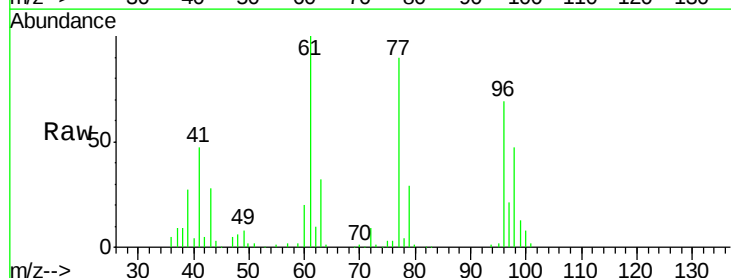
Manual Integrations
APPROVED

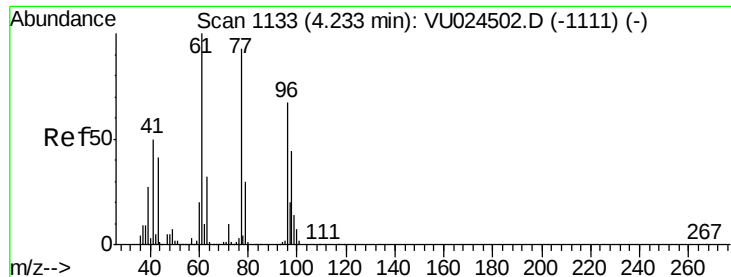
MMDadoda
6/19/2018 1:54:59 PM



#26
2,2-Dichloropropane
Concen: 18.12 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 19.60 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

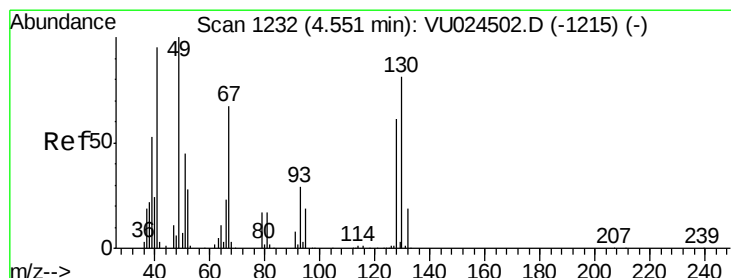
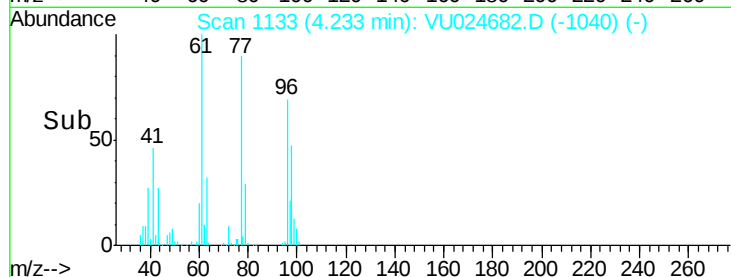
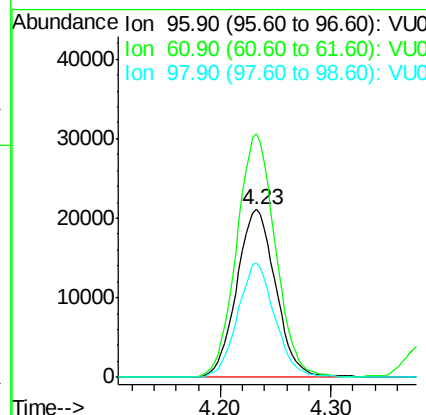
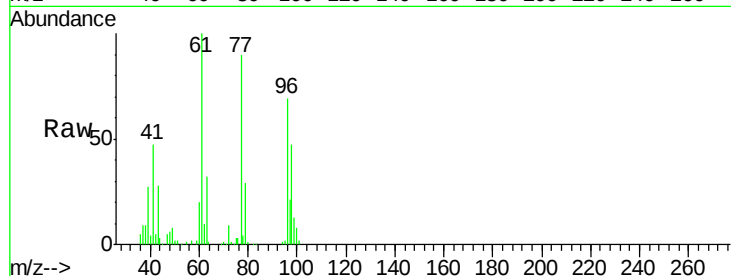
ClientSampleId :

VU0618WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	306.6
98	65.1	0.0	128.8

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#28

Bromochloromethane

Concen: 19.21 ug/l

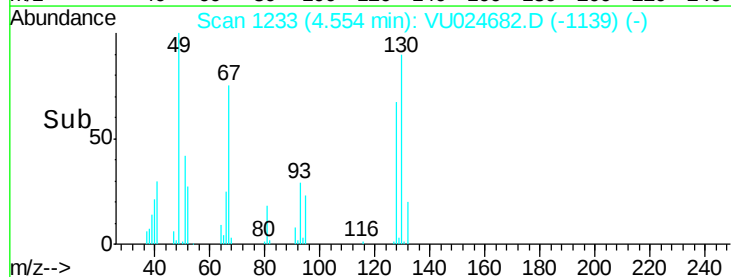
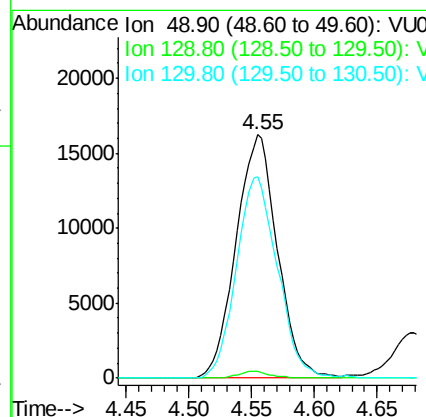
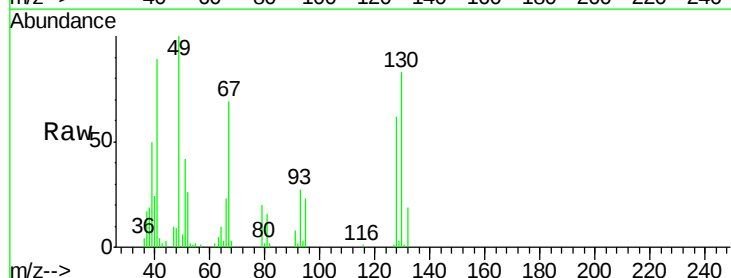
RT: 4.55 min Scan# 1233

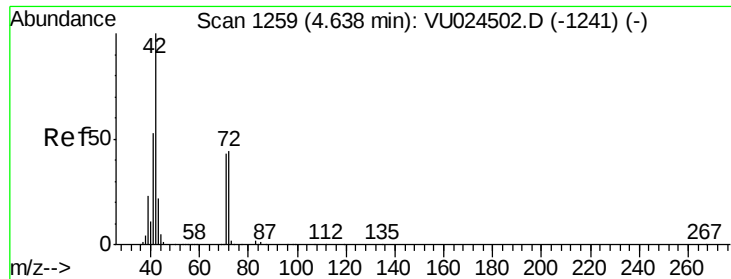
Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.1	57.8	86.6





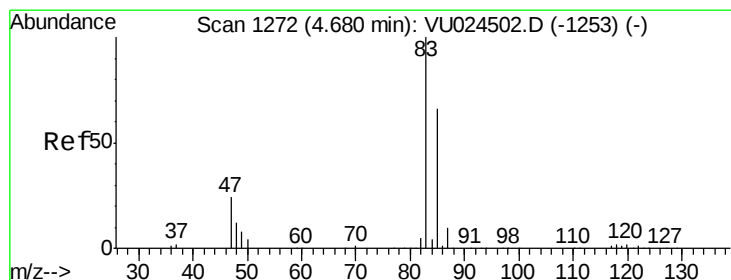
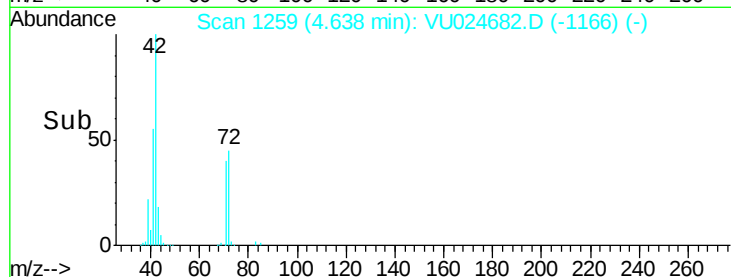
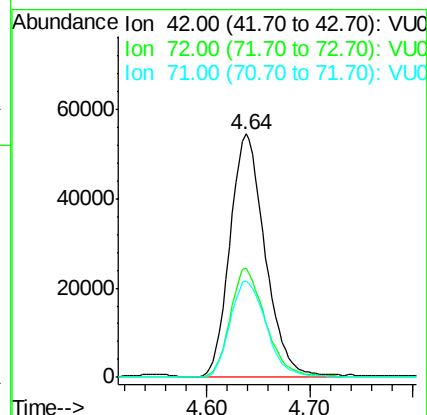
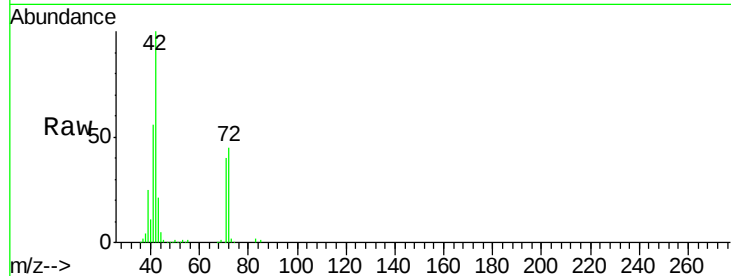
#29
Tetrahydrofuran
Concen: 97.04 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.5	51.7
71	41.0	32.2	48.4

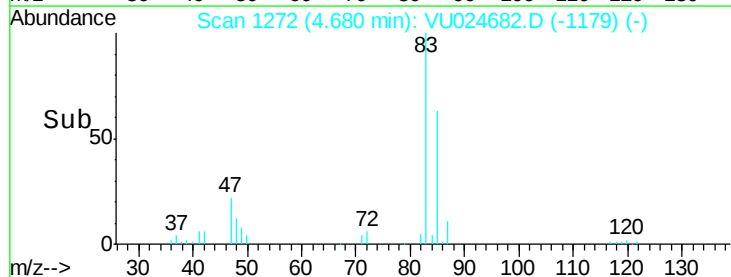
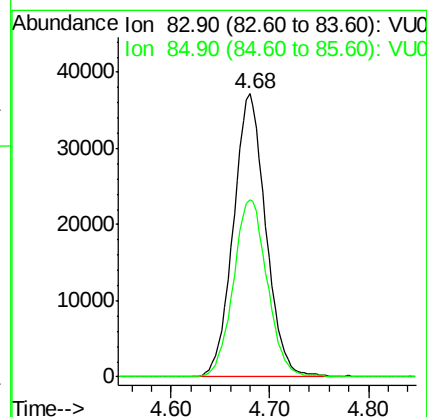
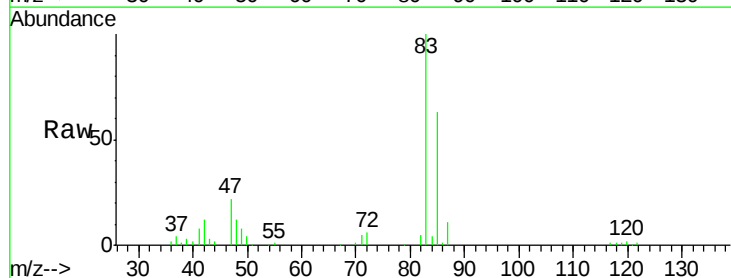
Manual Integrations
APPROVED

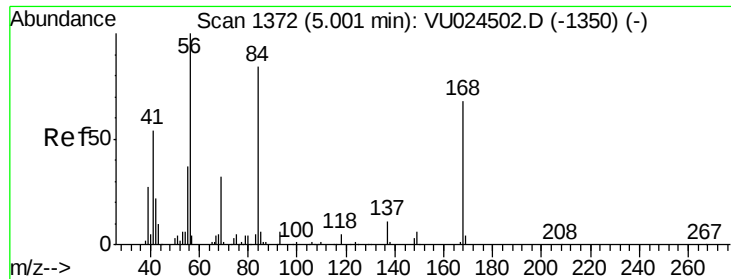
MMDadoda
6/19/2018 1:54:59 PM



#30
Chloroform
Concen: 19.09 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.4	78.6





#31

Cyclohexane

Concen: 18.65 ug/l

RT: 5.00 min Scan# 1372

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

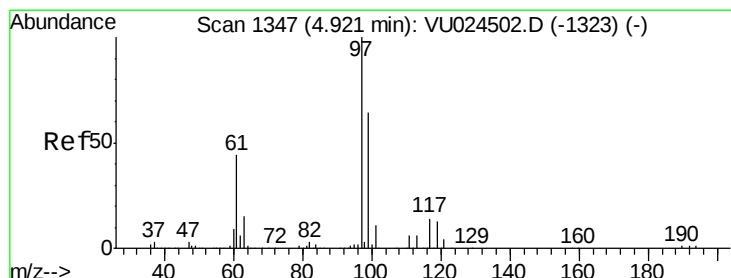
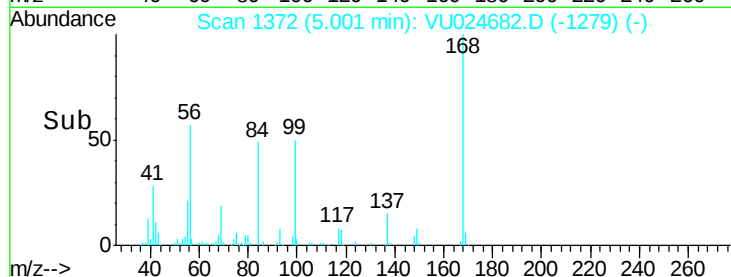
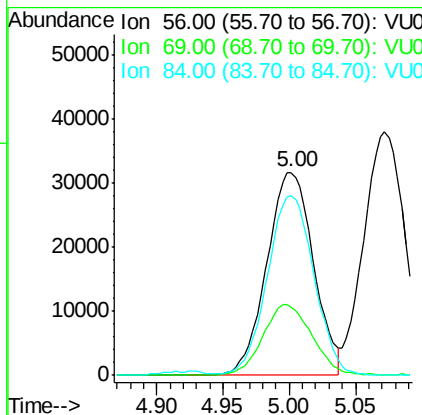
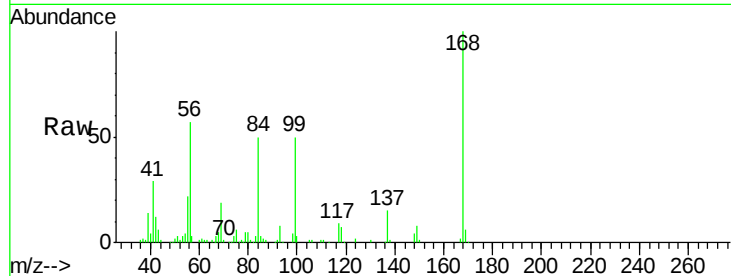
ClientSampleId :

VU0618WBS01

Tot Ion:	56	Resp:	77750
Ion	Ratio	Lower	Upper
56	100		
69	33.9	24.8	37.2
84	86.5	65.2	97.8

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#32

1,1,1-Trichloroethane

Concen: 18.40 ug/l

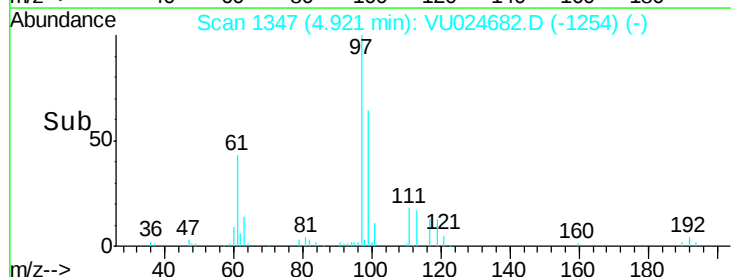
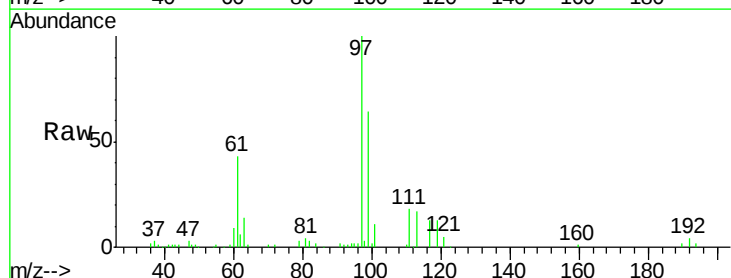
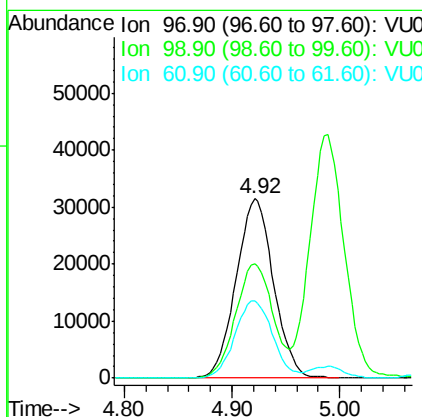
RT: 4.92 min Scan# 1347

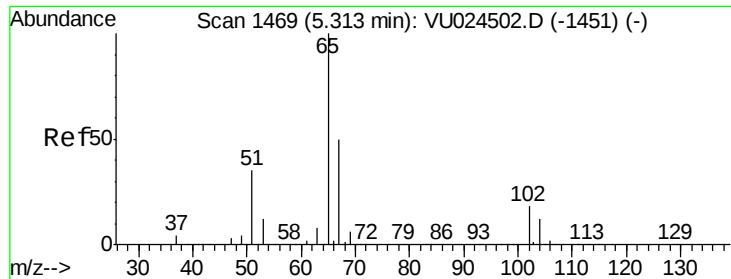
Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion:	97	Resp:	75814
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	43.6	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 42.70 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 65 Resp: 127292

Ion Ratio Lower Upper

65 100

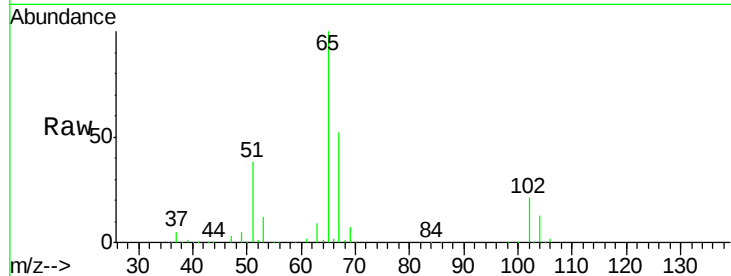
67 54.1 0.0 107.0

Manual Integrations

APPROVED

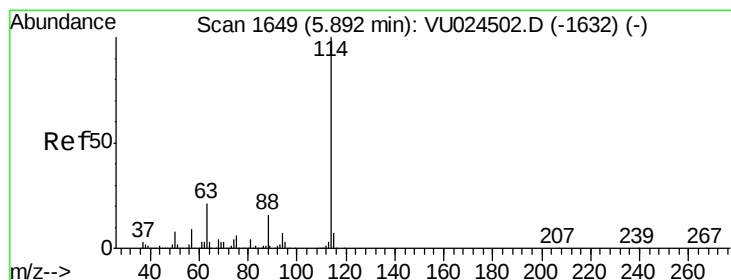
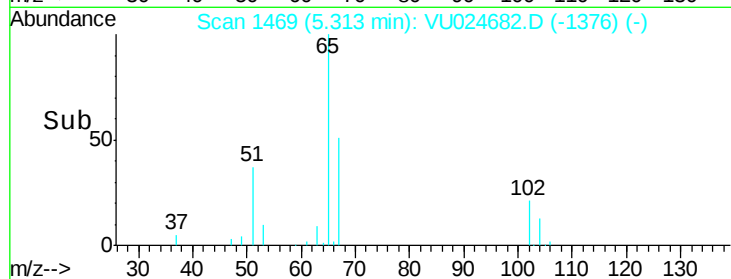
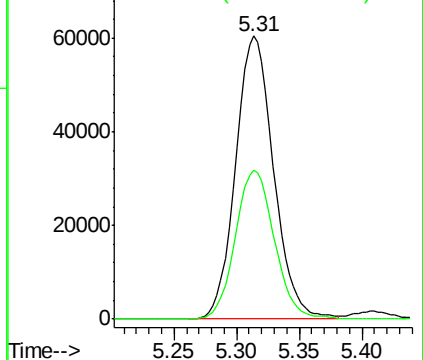
MMDadoda

6/19/2018 1:54:59 PM



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

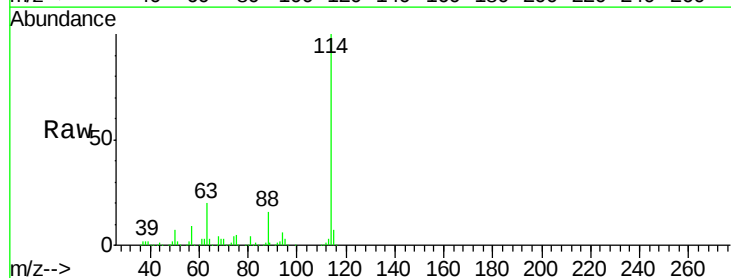
Tgt Ion: 114 Resp: 278486

Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.4

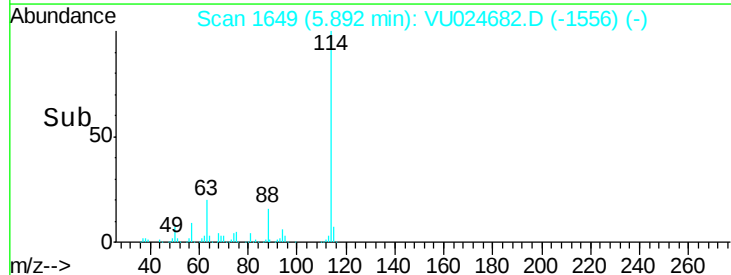
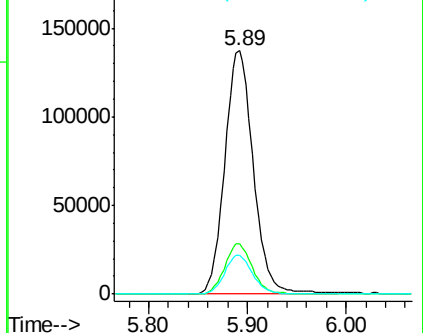
88 15.7 0.0 31.0

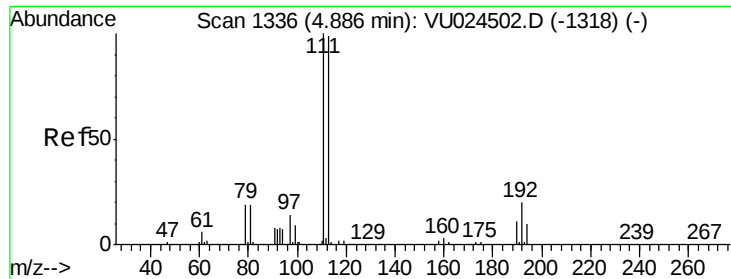


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0





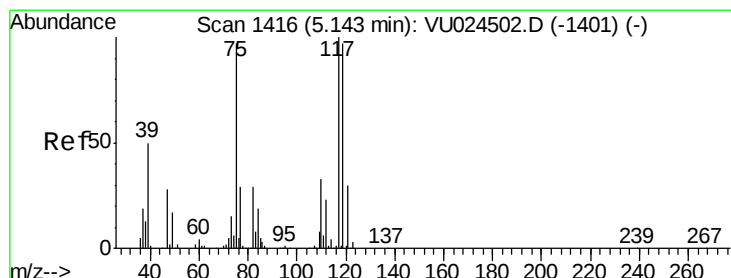
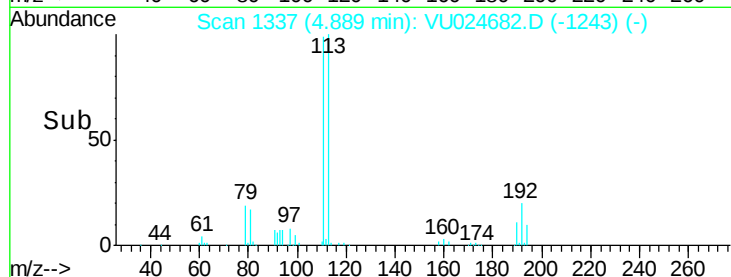
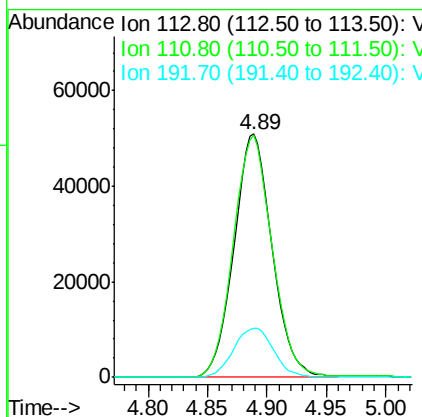
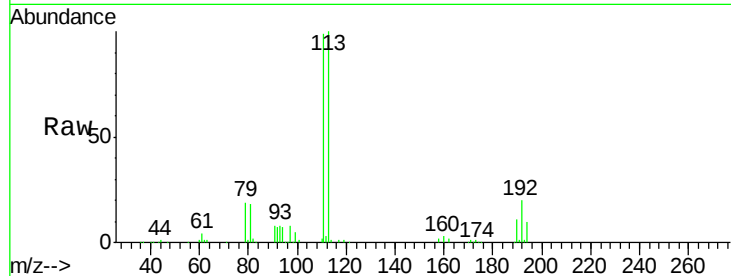
#35
 Dibromofluoromethane
 Concen: 48.90 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	113020		
111	101.6	82.2	123.4	
192	21.4	16.2	24.4	

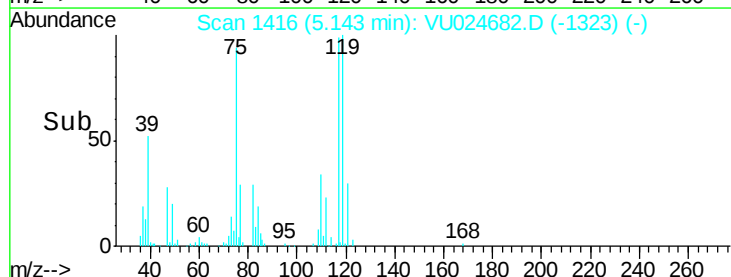
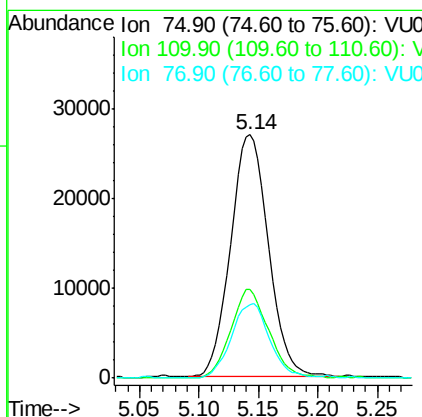
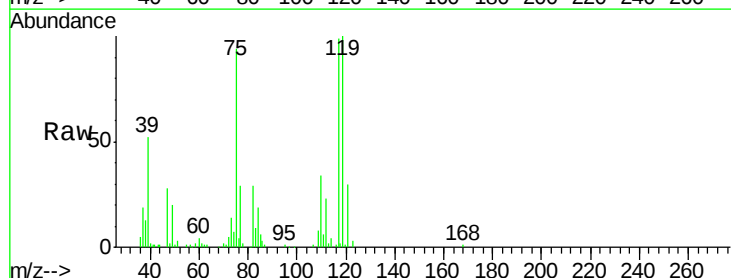
Manual Integrations
 APPROVED

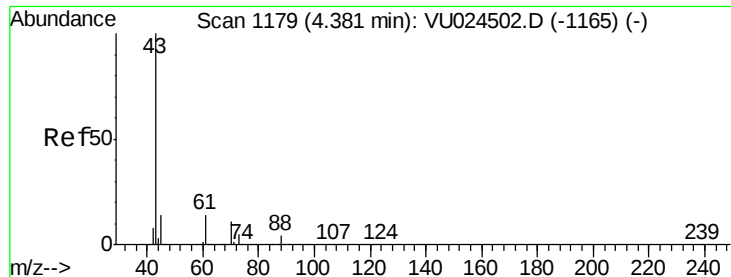
MMDadoda
 6/19/2018 1:54:59 PM



#36
 1,1-Dichloropropene
 Concen: 18.29 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59857		
110	36.5	17.0	50.9	
77	31.0	24.2	36.4	





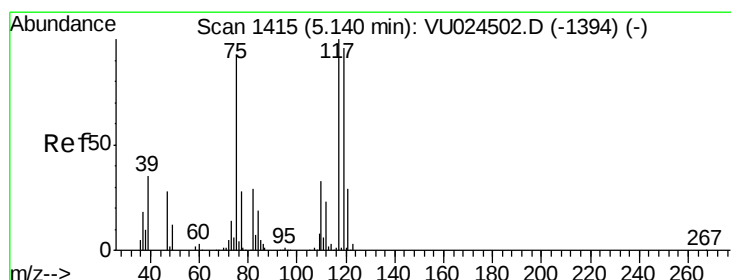
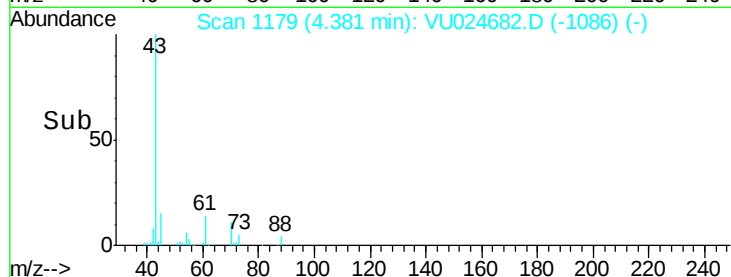
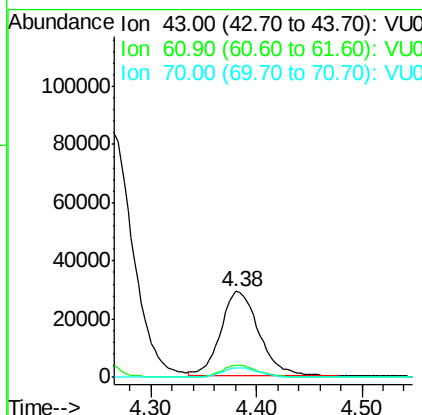
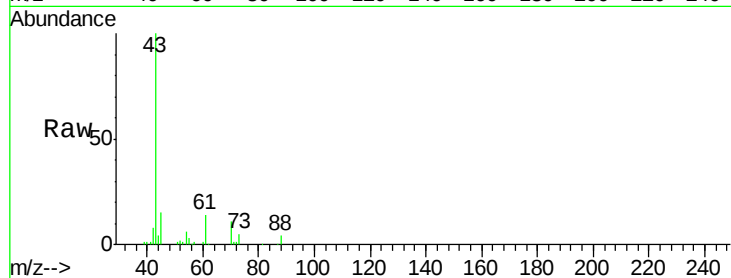
#37
Ethyl Acetate
Concen: 20.62 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.5	15.7
70	11.4	7.4	11.2

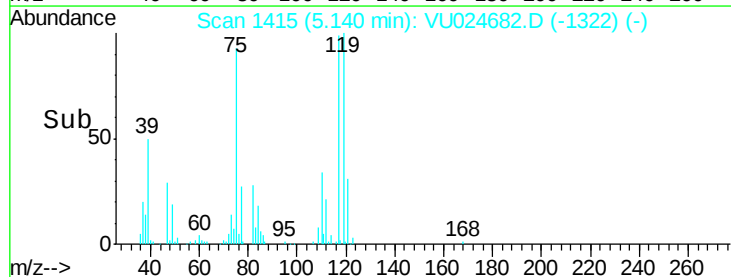
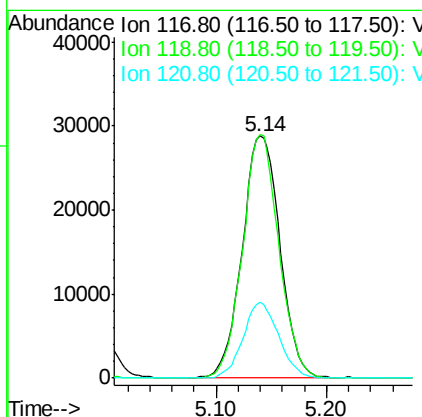
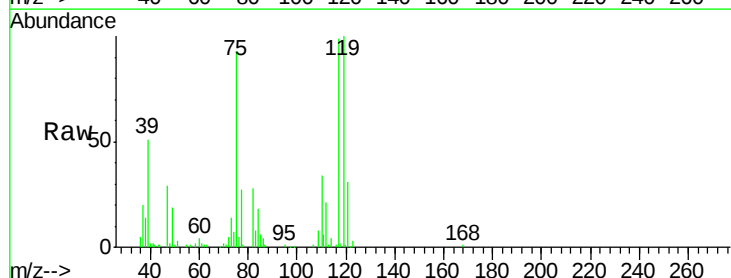
Manual Integrations
APPROVED

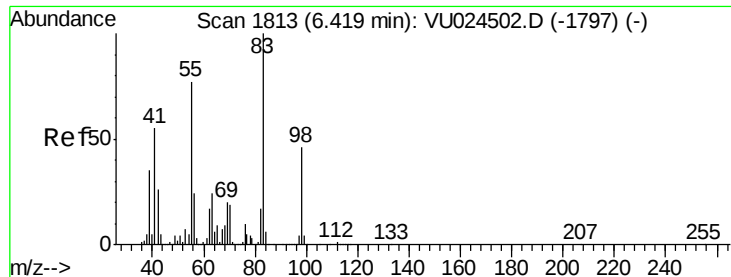
MMDadoda
6/19/2018 1:54:59 PM



#38
Carbon Tetrachloride
Concen: 18.99 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.7	76.1	114.1
121	31.2	23.7	35.5





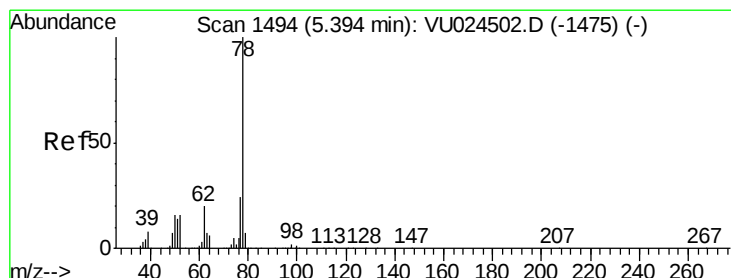
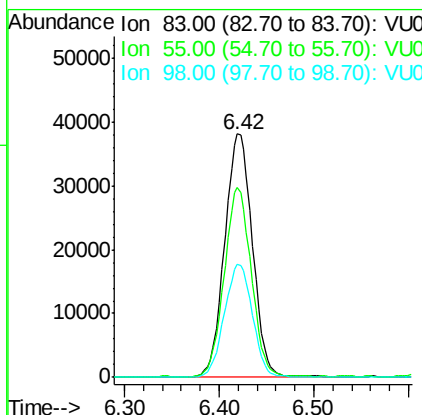
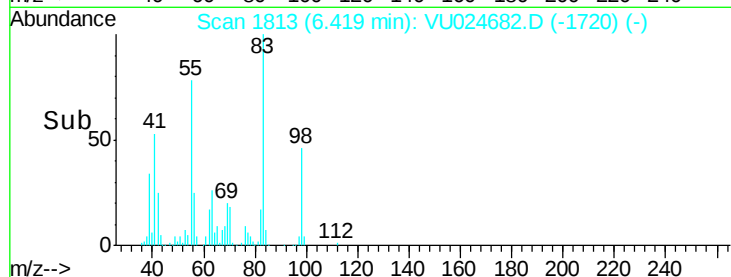
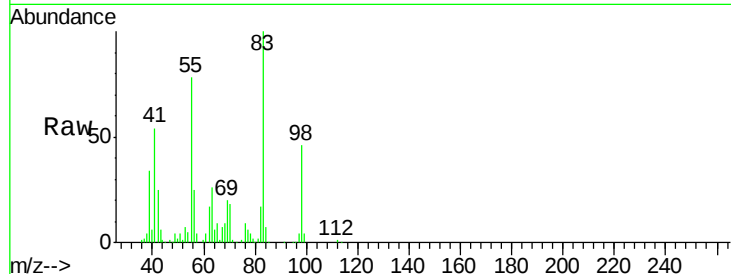
#39
Methvlcvclohexane
Concen: 19.09 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	65.8	98.6
98	46.5	36.7	55.1

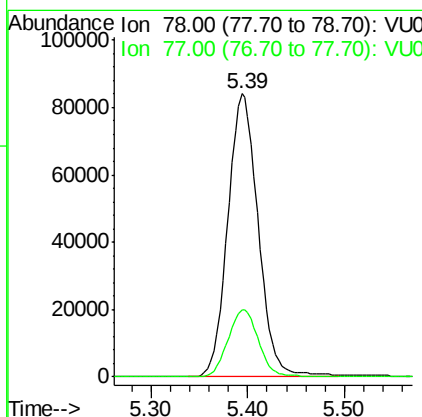
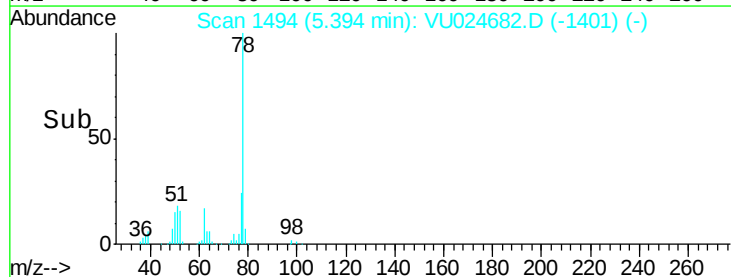
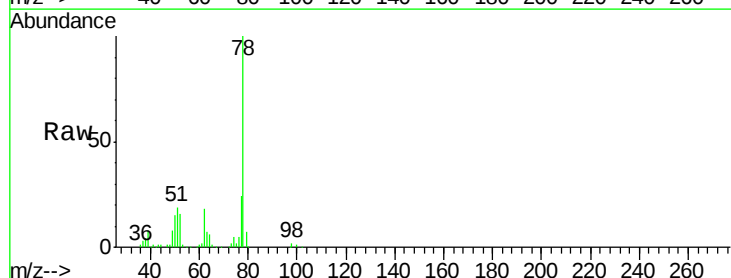
Manual Integrations
APPROVED

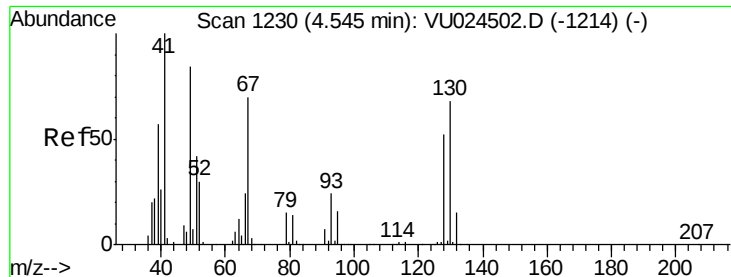
MMDadoda
6/19/2018 1:54:59 PM



#40
Benzene
Concen: 19.71 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





#41

Methacrylonitrile

Concen: 20.48 ug/l

RT: 4.55 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

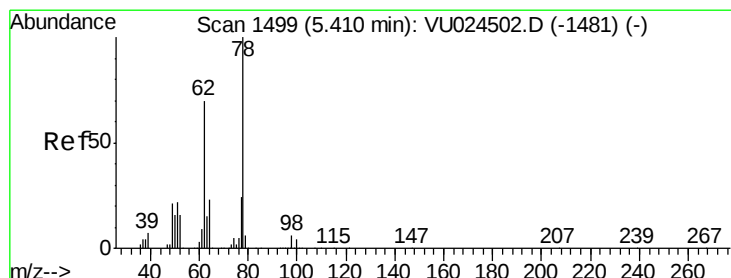
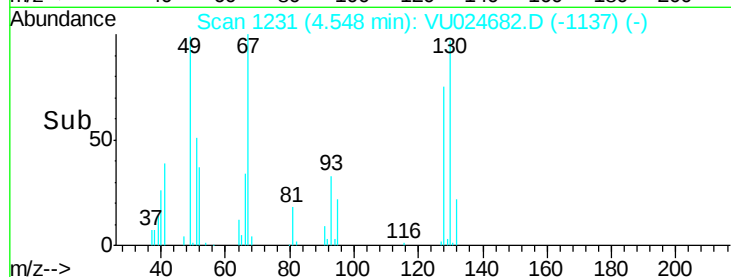
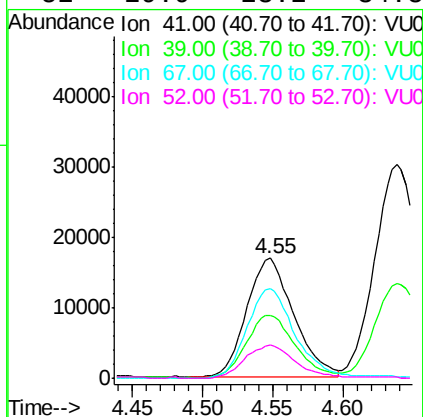
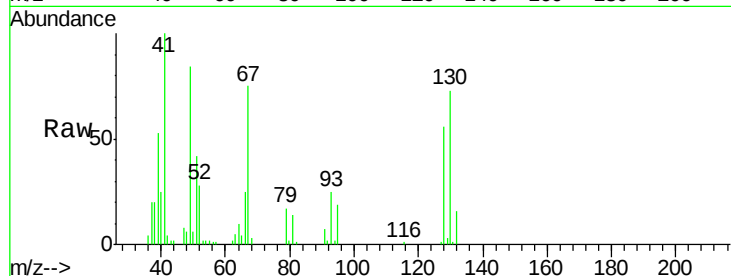
ClientSampleId :

VU0618WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	43.8	65.6	
67	77.3	56.3	84.5	
52	29.9	23.2	34.8	

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#42

1,2-Dichloroethane

Concen: 18.36 ug/l

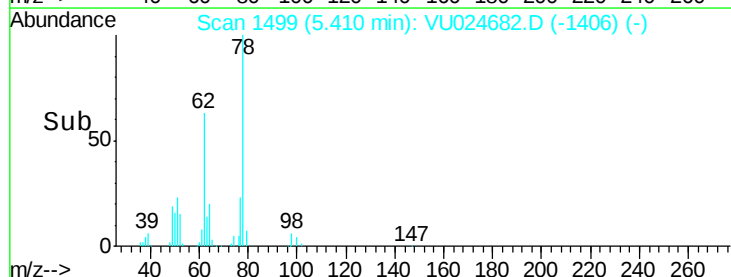
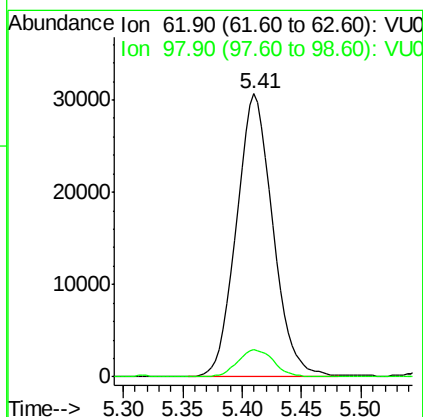
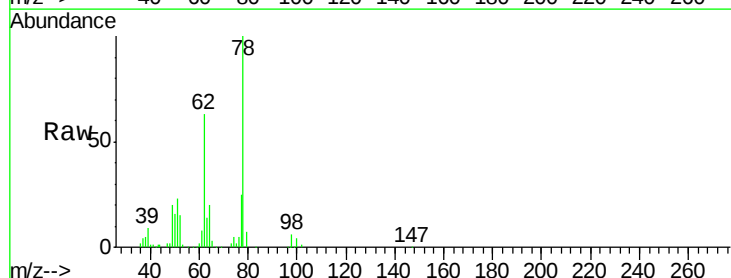
RT: 5.41 min Scan# 1499

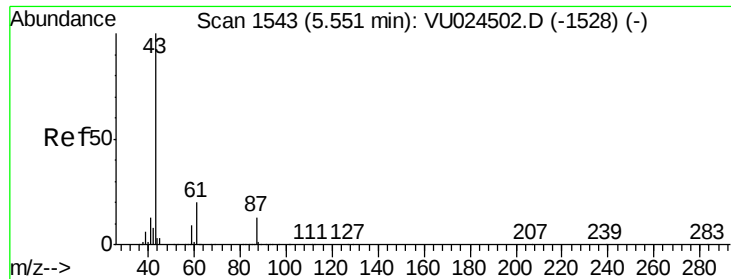
Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	16.6	





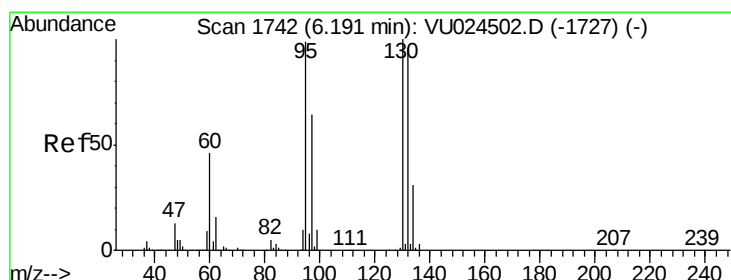
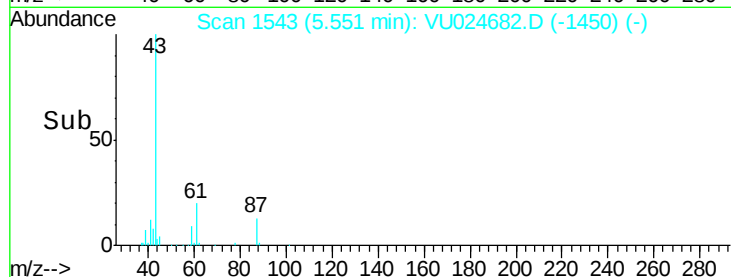
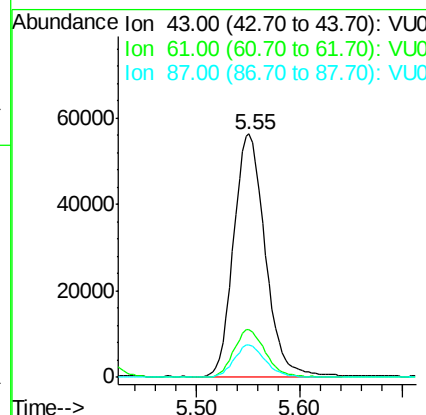
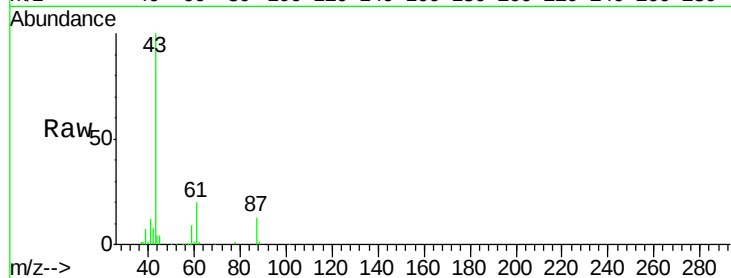
#43
Isopropyl Acetate
Concen: 19.47 ug/l
RT: 5.55 min Scan# 1543
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.4	23.0
87	13.2	10.0	15.0

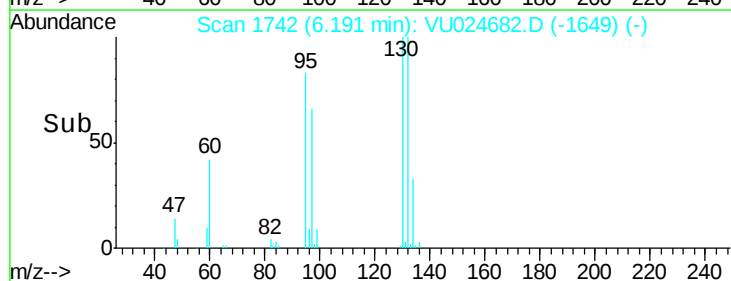
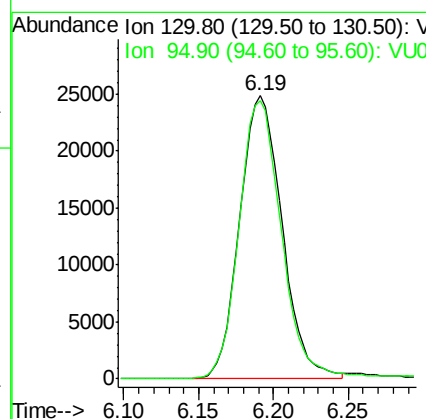
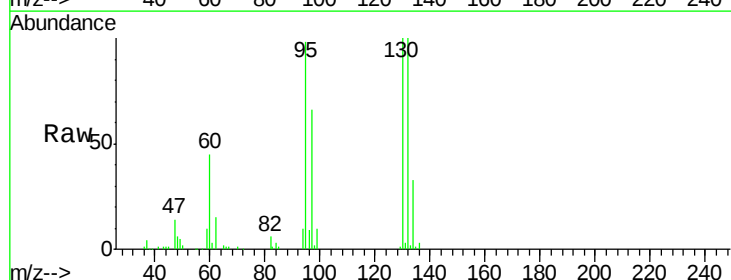
Manual Integrations
APPROVED

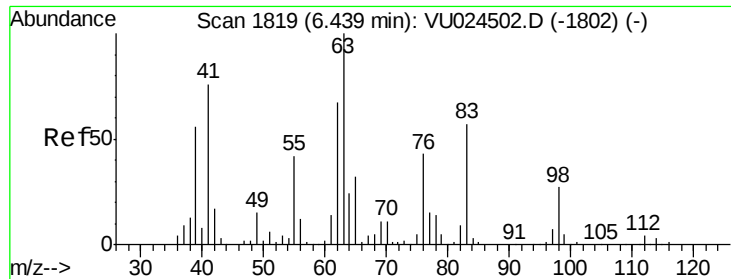
MMDadoda
6/19/2018 1:54:59 PM



#44
Trichloroethene
Concen: 18.52 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	202.4





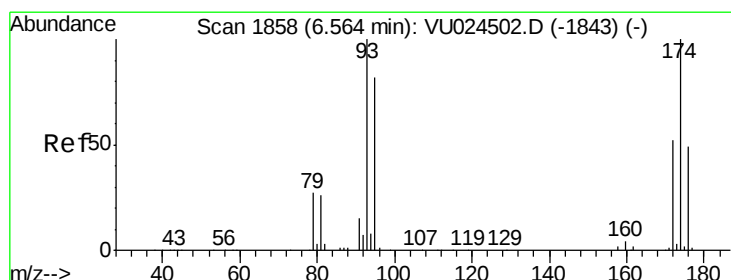
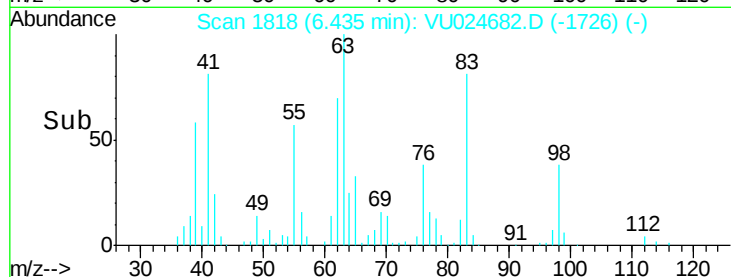
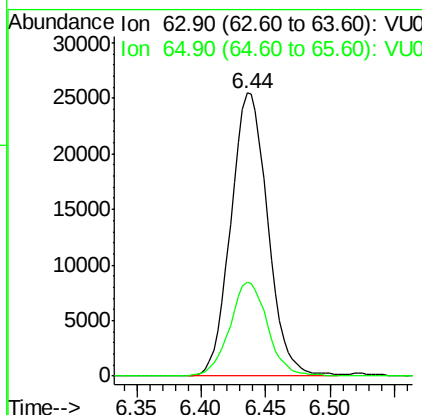
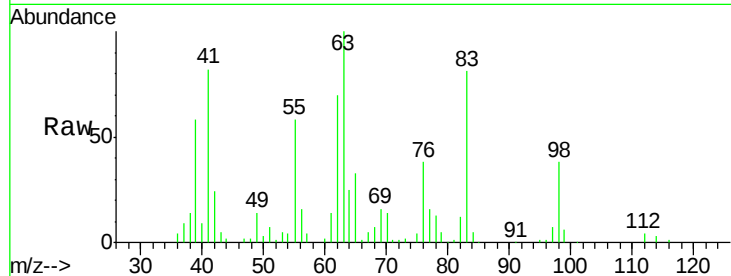
#45
 1,2-Dichloropropane
 Concen: 20.43 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion: 63 Resp: 50842
 Ion Ratio Lower Upper
 63 100
 65 33.1 24.8 37.2

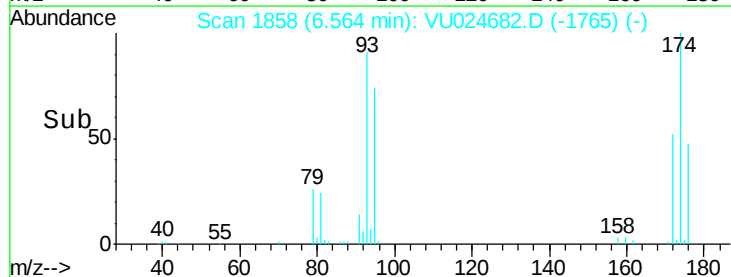
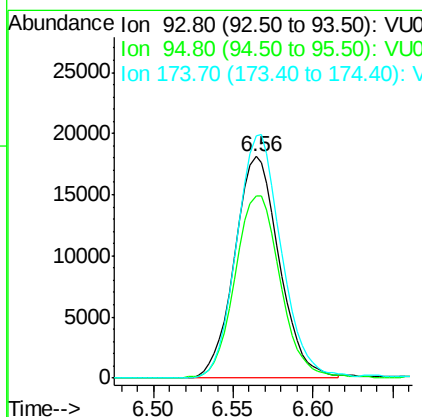
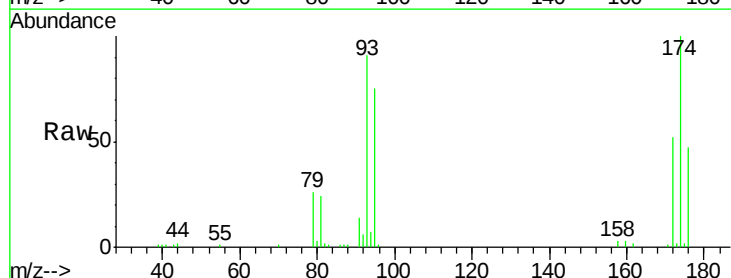
Manual Integrations
 APPROVED

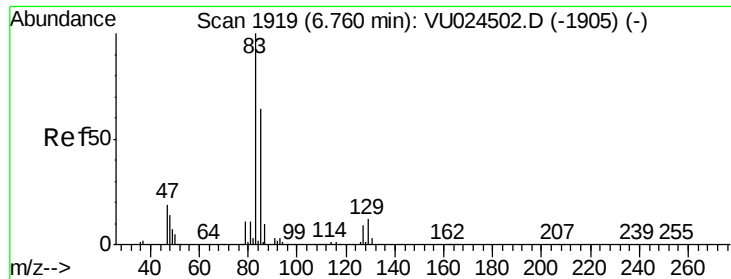
MMDadoda
 6/19/2018 1:54:59 PM



#46
 Dibromomethane
 Concen: 19.77 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion: 93 Resp: 34559
 Ion Ratio Lower Upper
 93 100
 95 83.8 65.5 98.3
 174 109.8 78.7 118.1





#47

Bromodichloromethane

Concen: 19.27 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

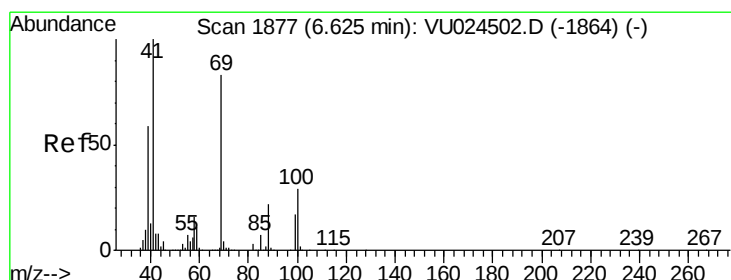
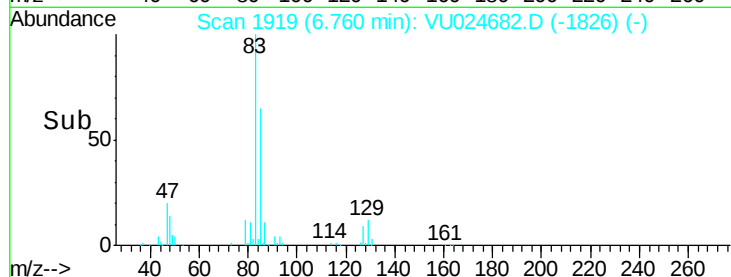
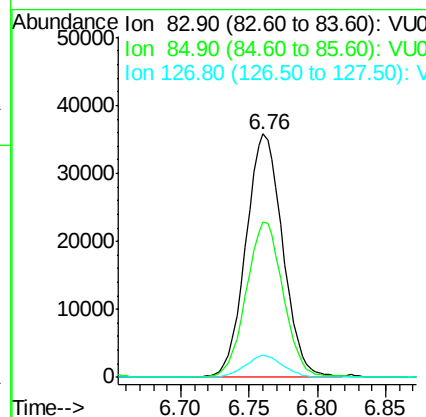
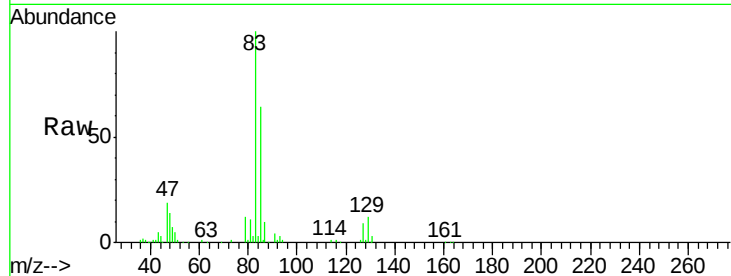
ClientSampleId :

VU0618WBS01

Tot Ion:	83	Resp:	67050
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.9	77.9
127	8.9	6.6	9.8

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#48

Methyl methacrylate

Concen: 19.52 ug/l

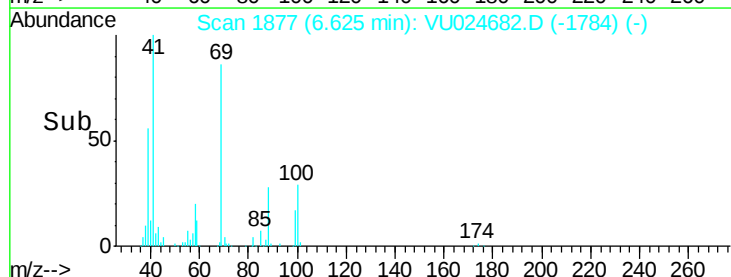
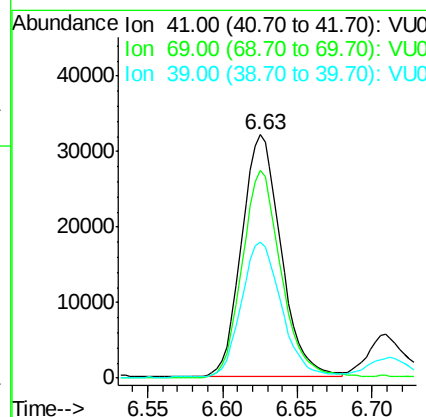
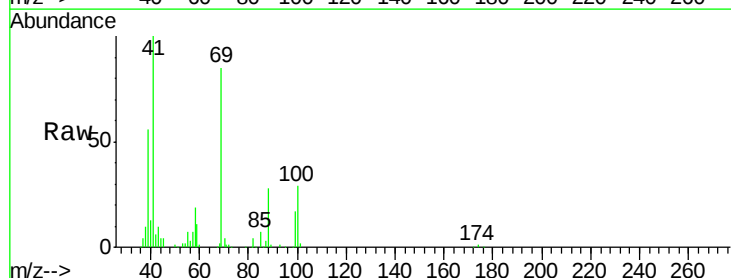
RT: 6.63 min Scan# 1877

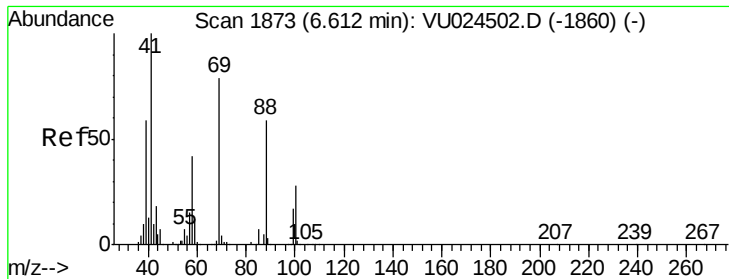
Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion:	41	Resp:	58608
Ion Ratio	Lower	Upper	
41	100		
69	85.9	67.3	100.9
39	56.5	46.5	69.7





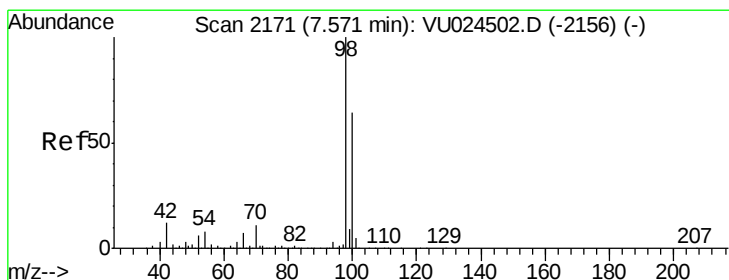
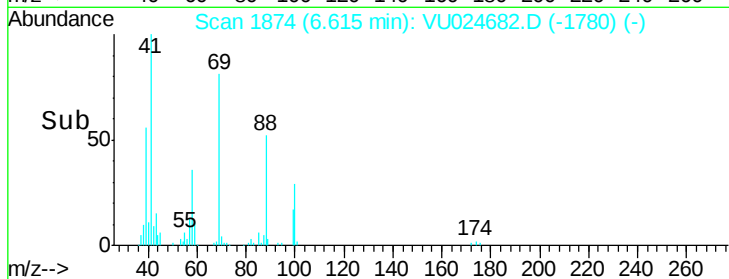
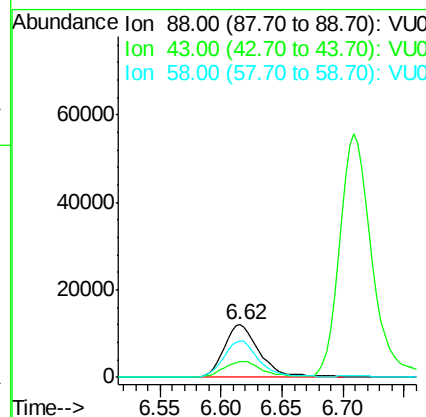
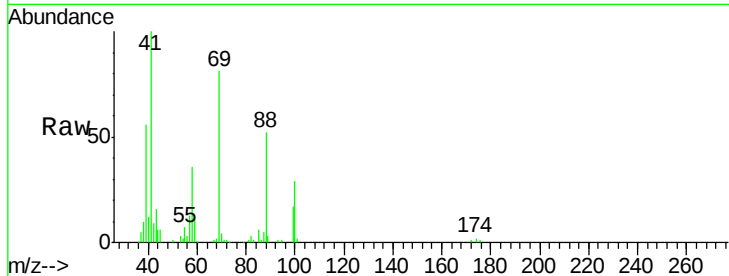
#49
 1,4-Dioxane
 Concen: 418.84 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	28.6	42.8
58	69.1	58.2	87.4

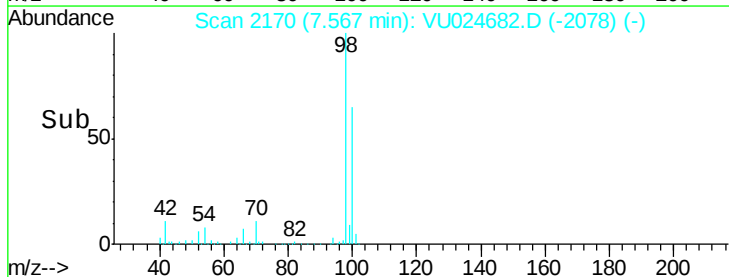
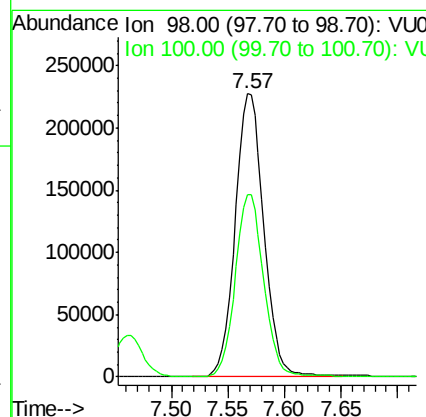
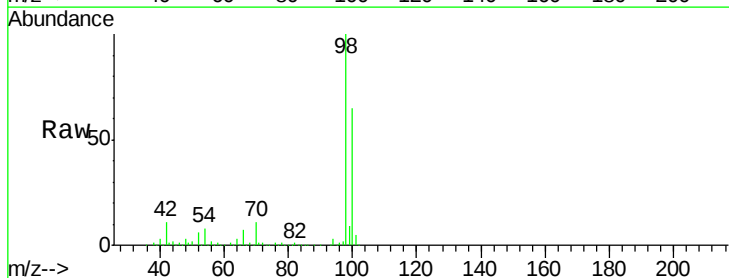
Manual Integrations
 APPROVED

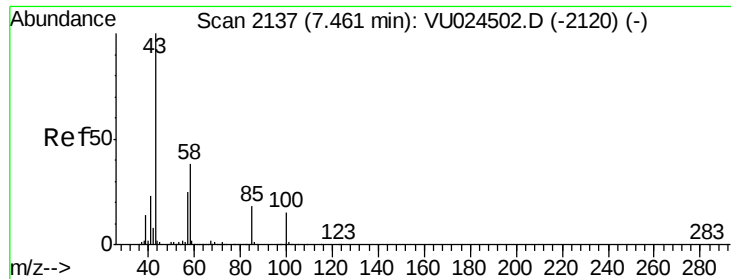
MMDadoda
 6/19/2018 1:54:59 PM



#50
 Toluene-d8
 Concen: 47.66 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





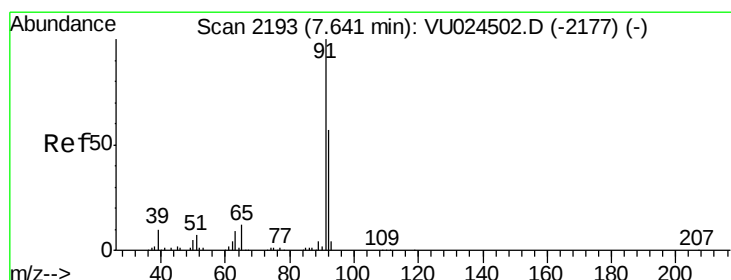
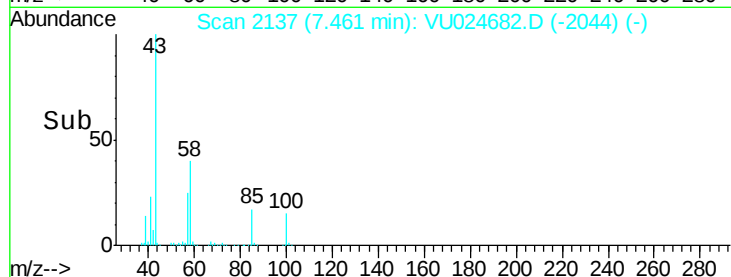
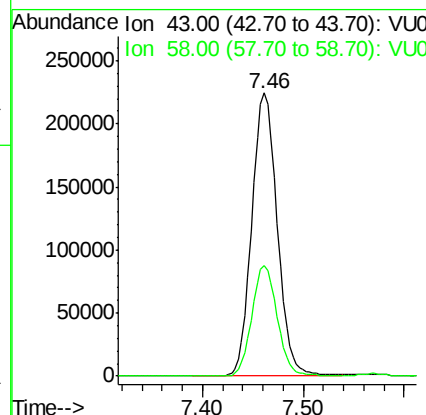
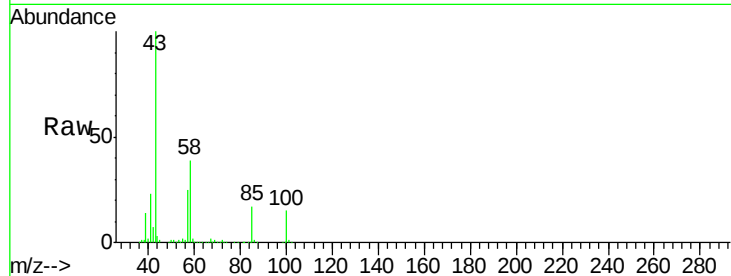
#51
 4-Methyl-2-Pentanone
 Concen: 101.04 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.0	30.0	45.0

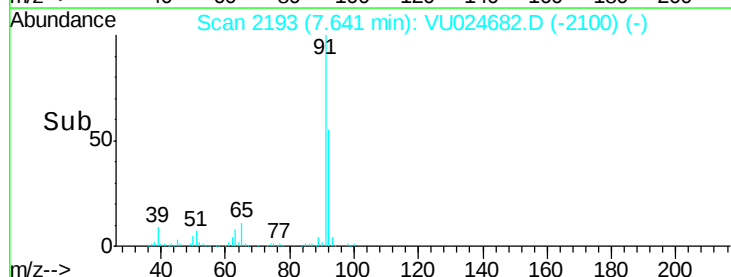
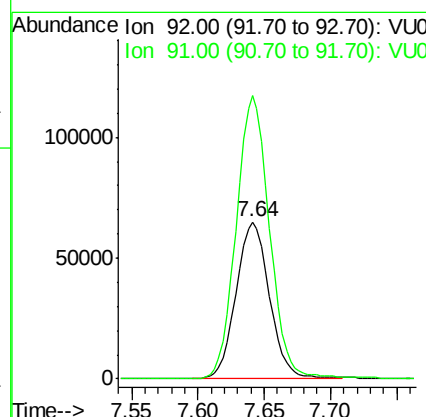
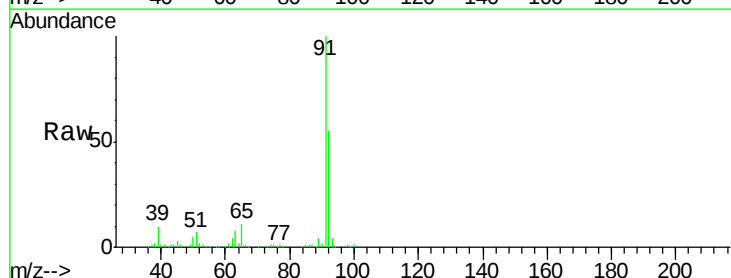
Manual Integrations
 APPROVED

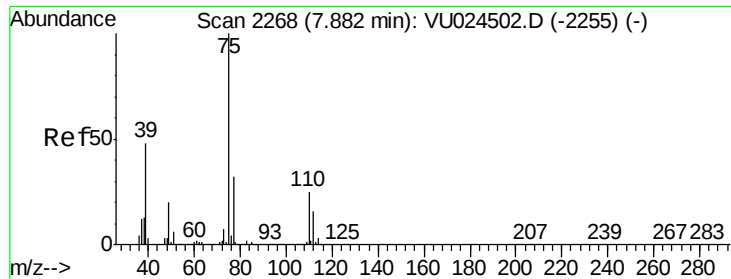
MMDadoda
 6/19/2018 1:54:59 PM



#52
 Toluene
 Concen: 19.03 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.5	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 18.41 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 75 Resp: 71940

Ion Ratio Lower Upper

75 100

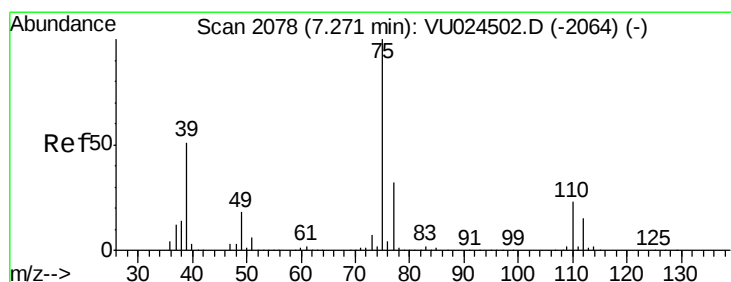
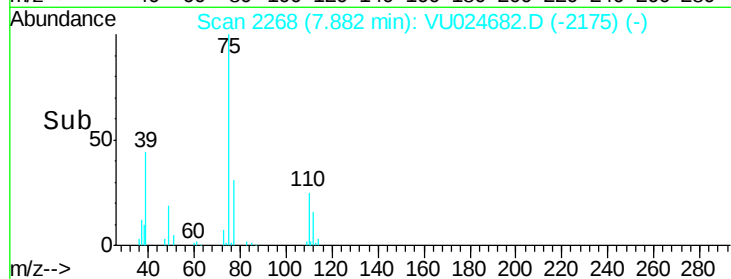
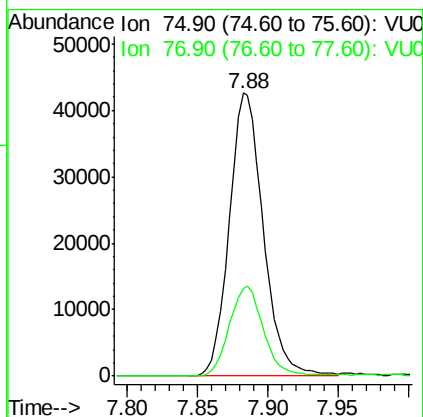
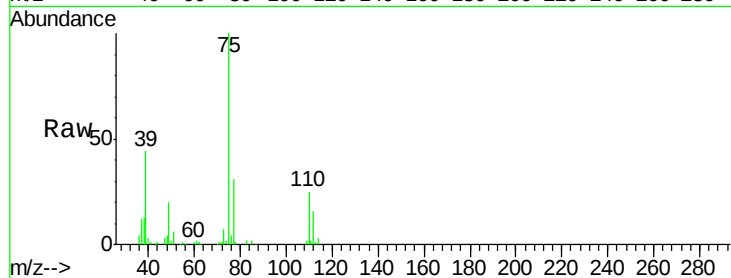
77 30.9 24.8 37.2

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#54

cis-1,3-Dichloropropene

Concen: 18.79 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

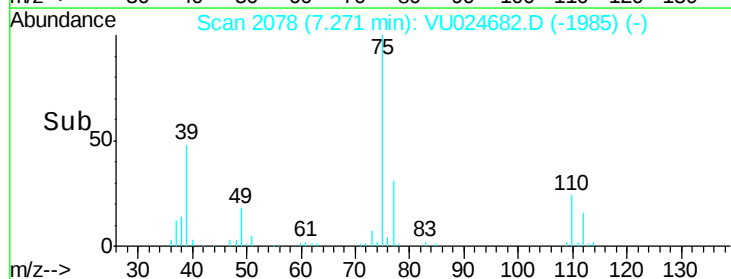
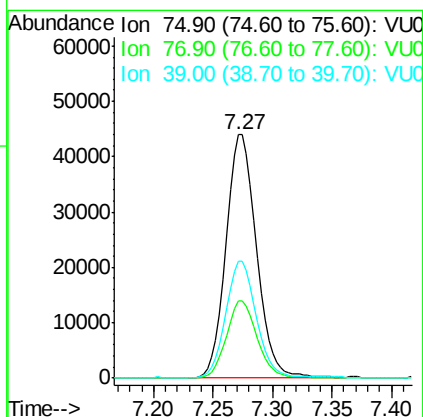
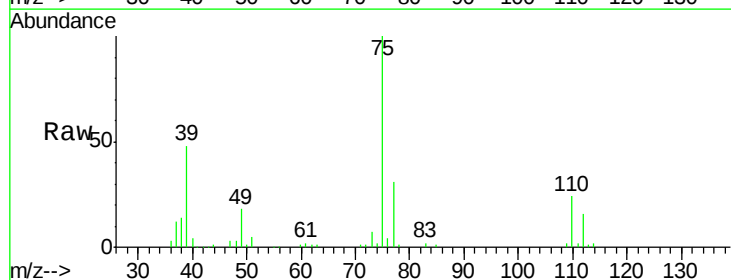
Tgt Ion: 75 Resp: 78247

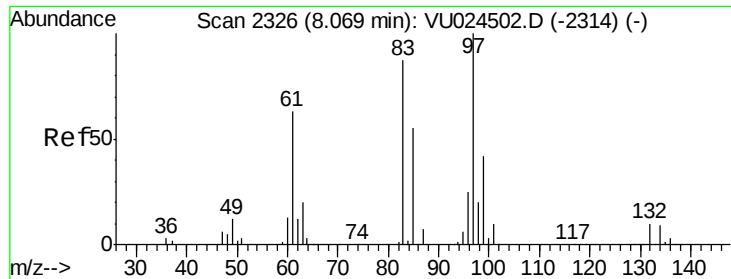
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 48.0 39.8 59.6





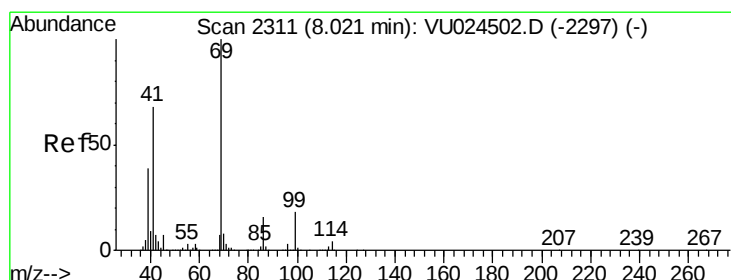
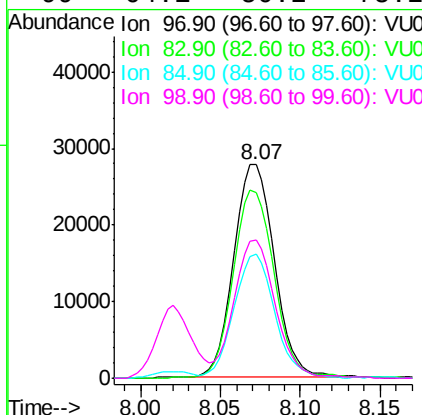
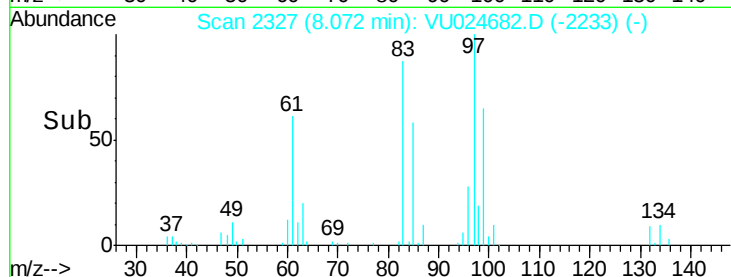
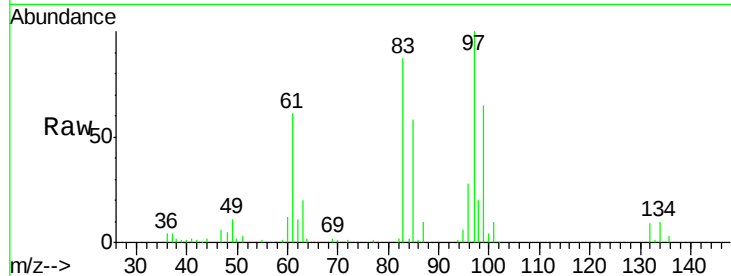
#55
 1,1,2-Trichloroethane
 Concen: 19.57 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion:	97	Resp:	47723
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.5	105.7
85	57.9	46.4	69.6
99	64.1	50.2	75.2

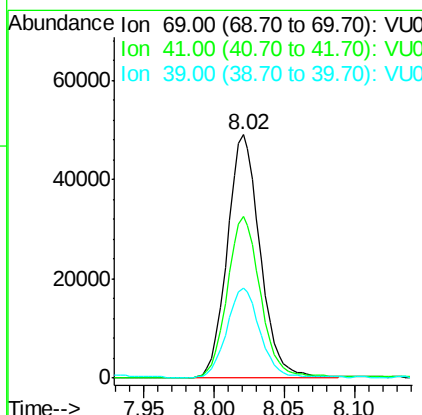
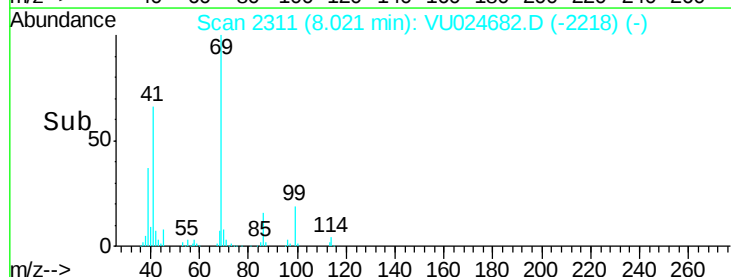
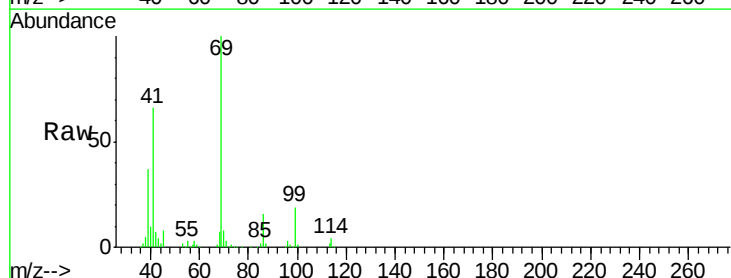
Manual Integrations
 APPROVED

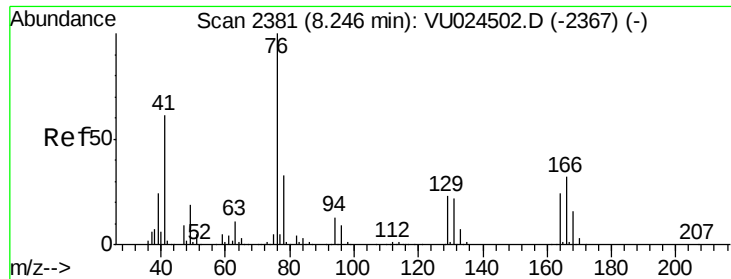
MMDadoda
 6/19/2018 1:54:59 PM



#56
 Ethyl methacrylate
 Concen: 19.55 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion:	69	Resp:	79789
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.1	81.1
39	36.8	30.3	45.5





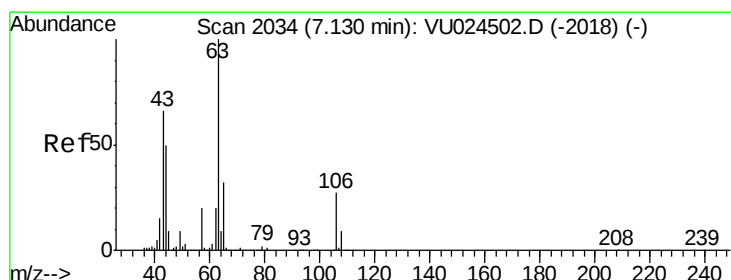
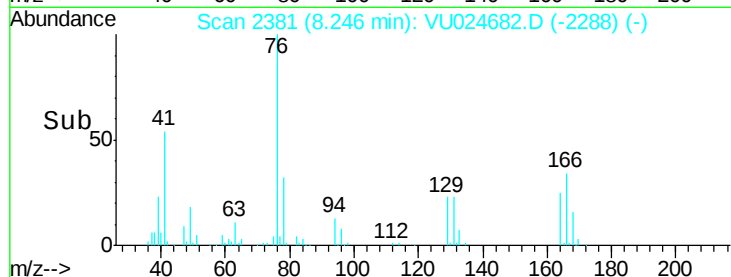
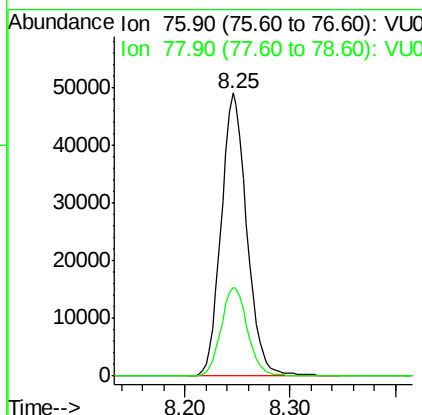
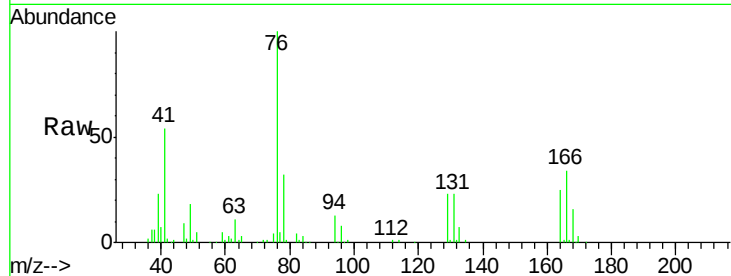
#57
 1,3-Dichloropropane
 Concen: 20.08 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion: 76 Resp: 82602
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

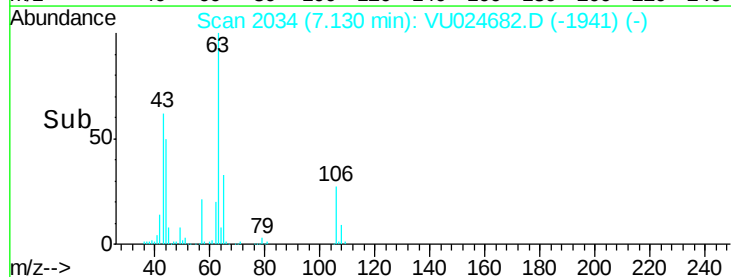
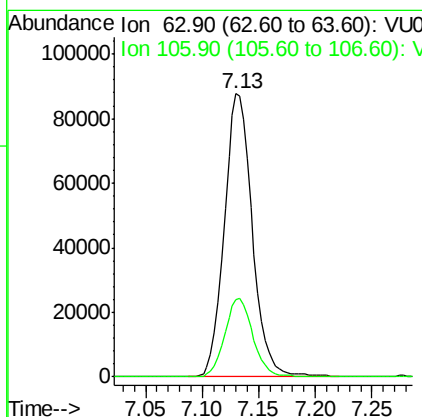
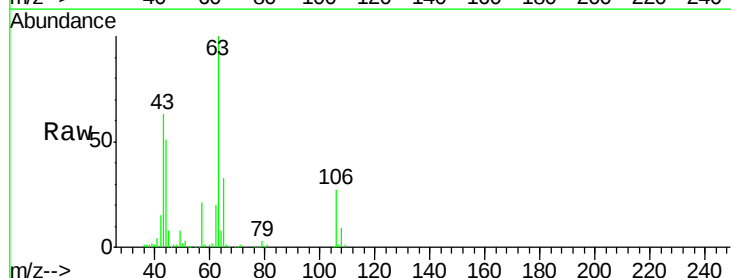
Manual Integrations
 APPROVED

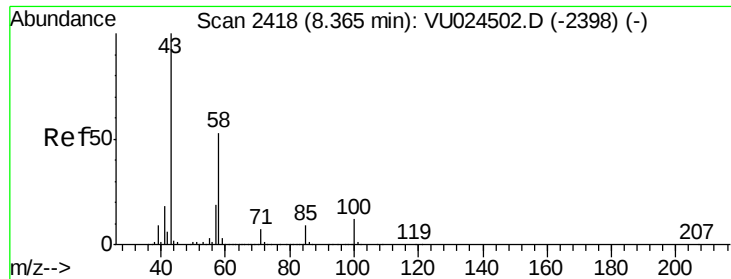
MMDadoda
 6/19/2018 1:54:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.60 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion: 63 Resp: 151048
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.2 30.2





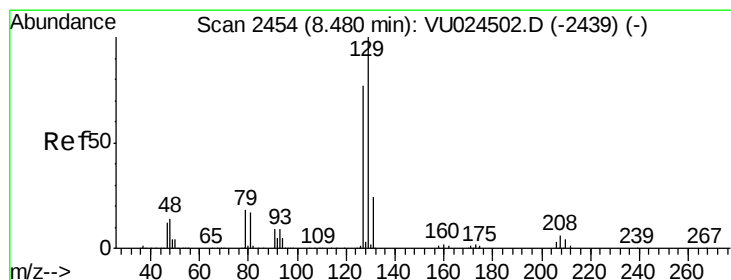
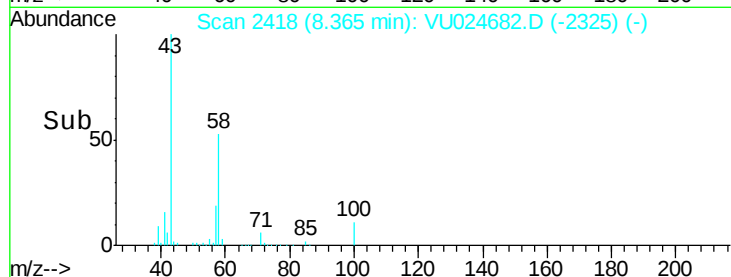
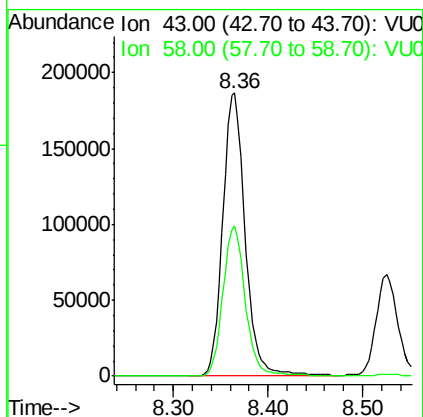
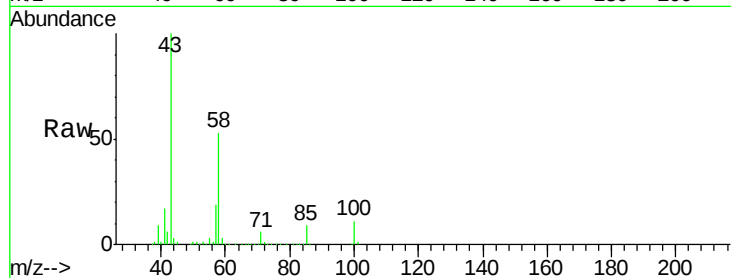
#59
2-Hexanone
Concen: 97.12 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	43	Resp	307098
Ion Ratio	100	Lower	Upper
43	100		
58	53.1	26.4	79.0

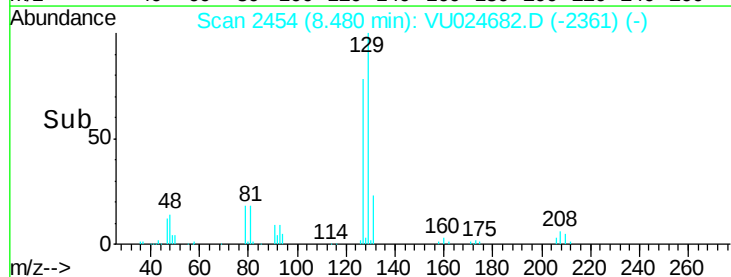
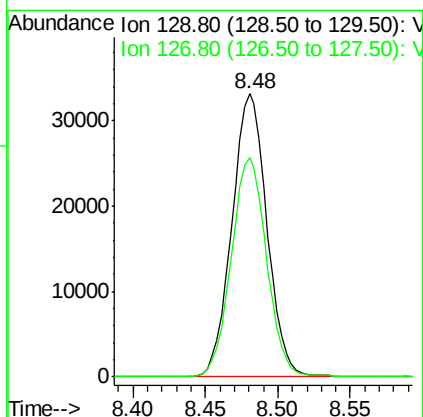
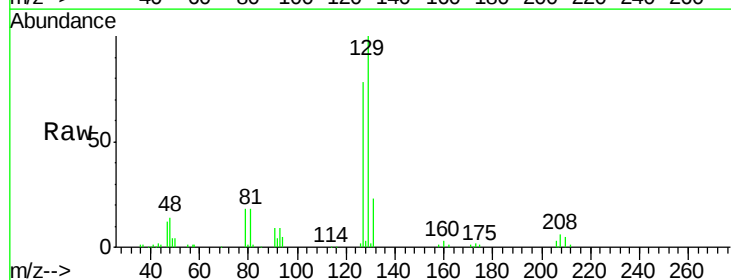
Manual Integrations
APPROVED

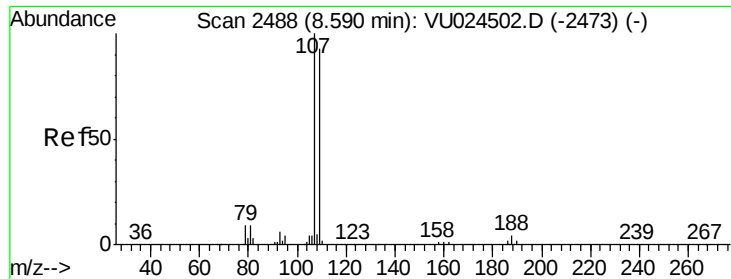
MMDadoda
6/19/2018 1:54:59 PM



#60
Dibromochloromethane
Concen: 18.25 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	129	Resp	55487
Ion Ratio	100	Lower	Upper
129	100		
127	78.1	38.6	116.0





#61

1,2-Dibromoethane

Concen: 19.51 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion:107 Resp: 52954

Ion Ratio Lower Upper

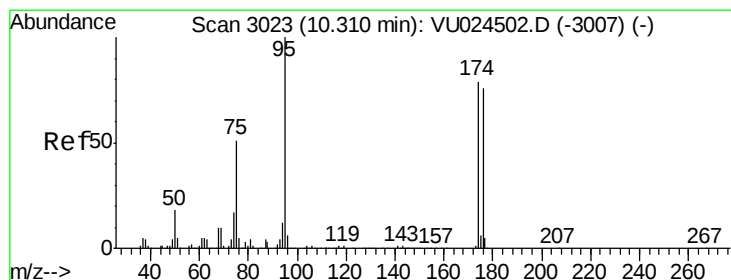
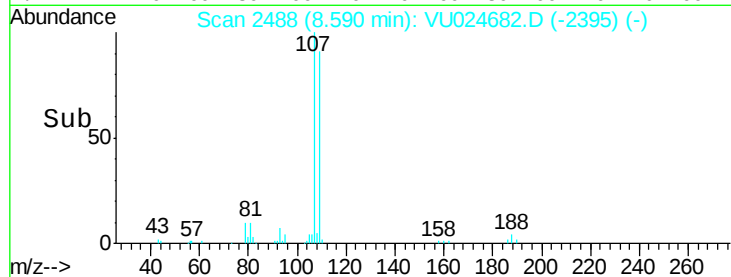
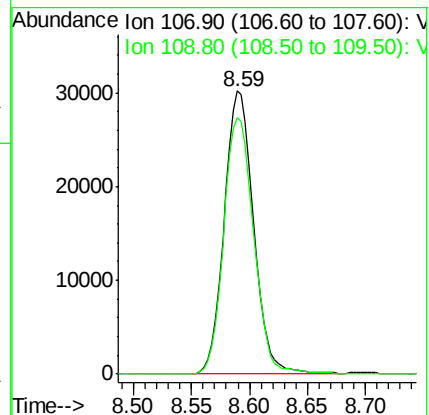
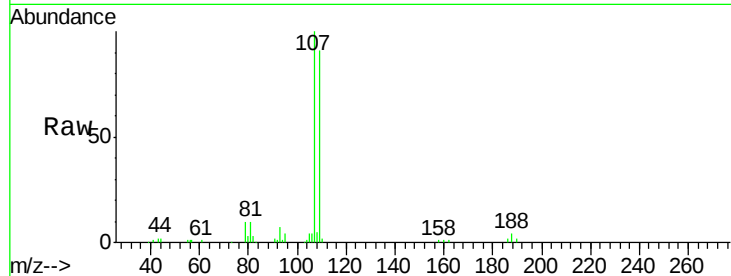
107 100

109 92.8 74.5 111.7

Manual Integrations
APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#62

4-Bromofluorobenzene

Concen: 44.07 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

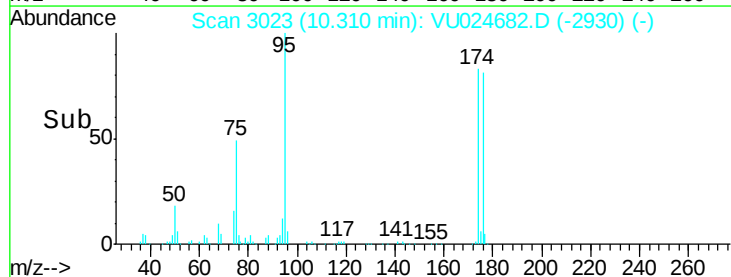
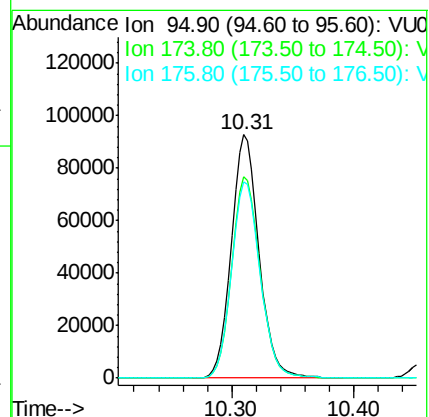
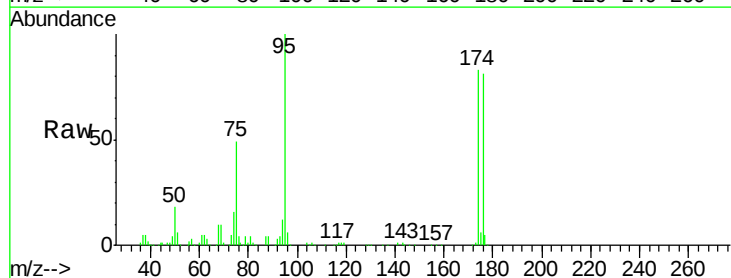
Tgt Ion: 95 Resp: 147518

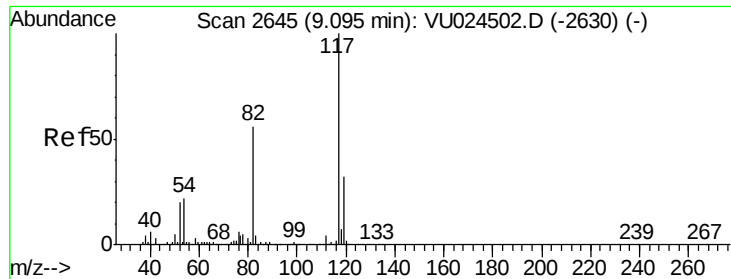
Ion Ratio Lower Upper

95 100

174 84.8 0.0 165.8

176 83.4 0.0 159.4





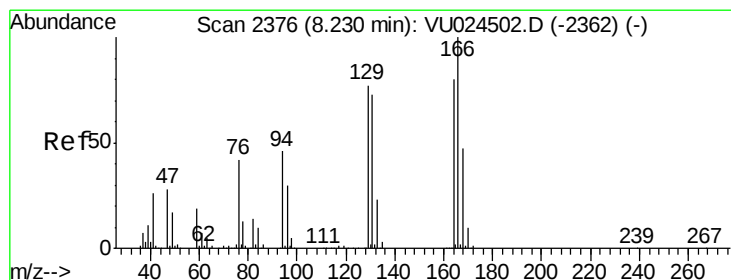
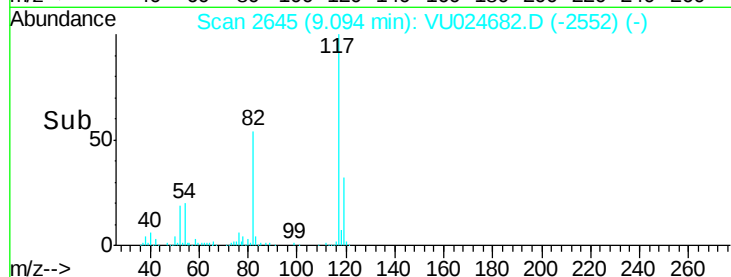
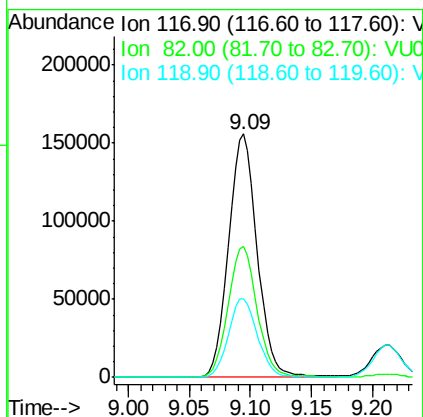
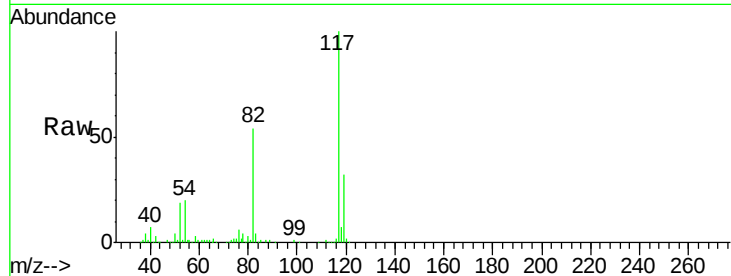
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	256232		
82	53.8		44.3	66.5
119	32.4		25.4	38.2

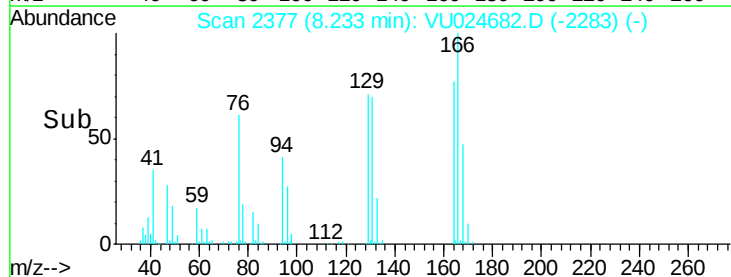
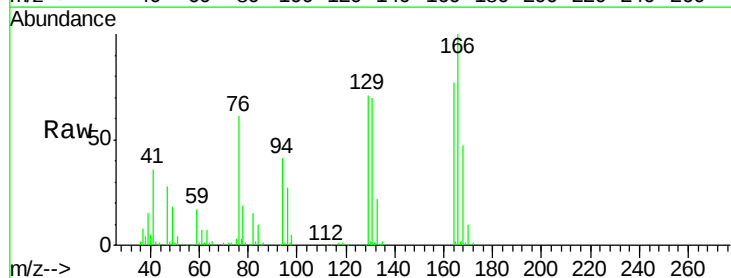
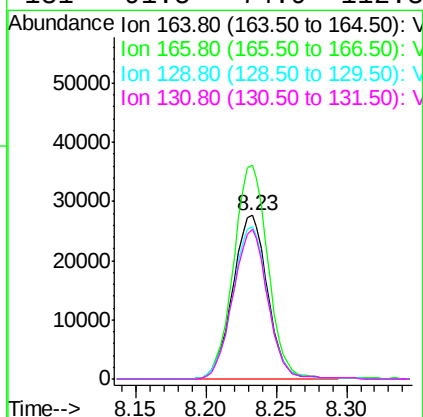
Manual Integrations
APPROVED

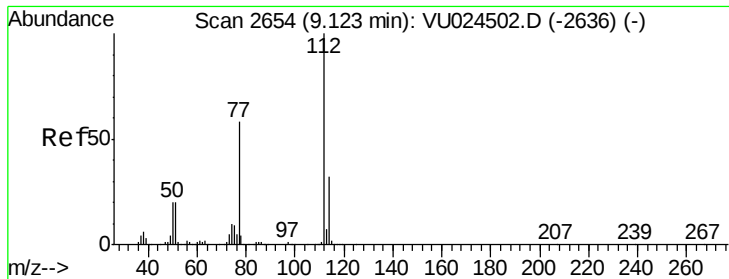
MMDadoda
6/19/2018 1:54:59 PM



#64
Tetrachloroethene
Concen: 19.64 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47829		
166	130.5		101.7	152.5
129	93.1		76.9	115.3
131	91.5		74.9	112.3





#65

Chlorobenzene

Concen: 20.36 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion:112 Resp: 133251

Ion Ratio Lower Upper

112 100

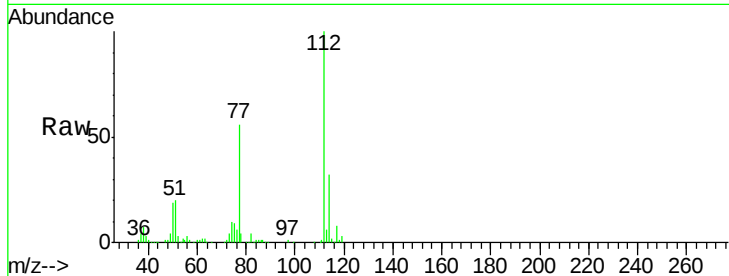
114 32.2 25.6 38.4

Manual Integrations

APPROVED

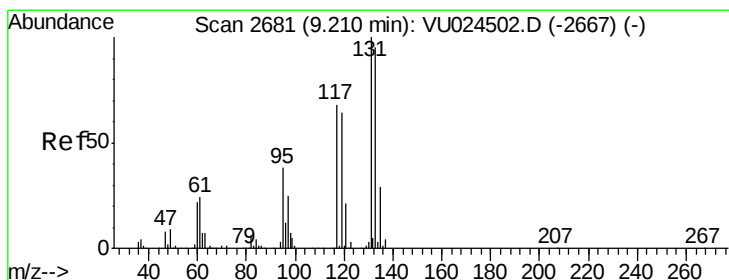
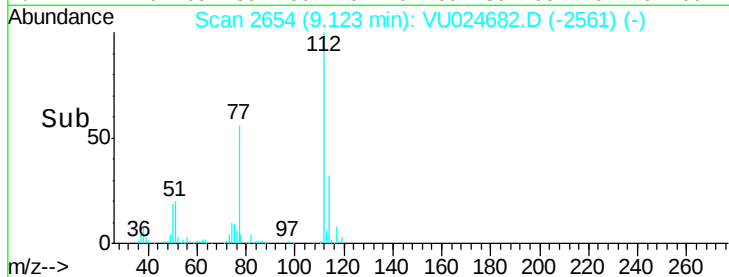
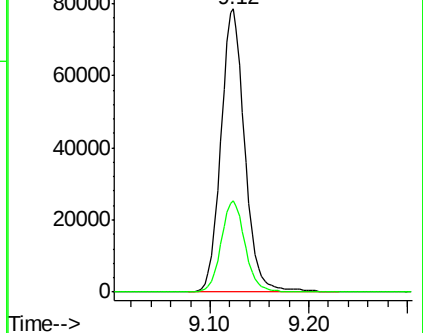
MMDadoda

6/19/2018 1:54:59 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.58 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

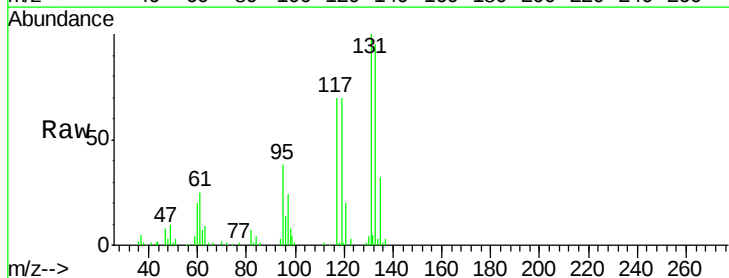
Tgt Ion:131 Resp: 51190

Ion Ratio Lower Upper

131 100

133 94.1 46.9 140.8

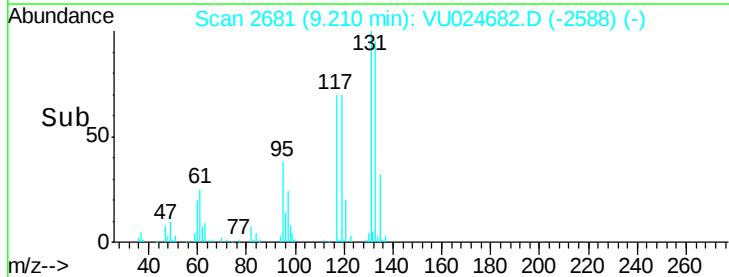
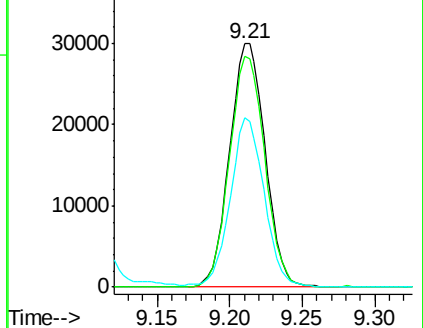
119 66.2 33.5 100.4

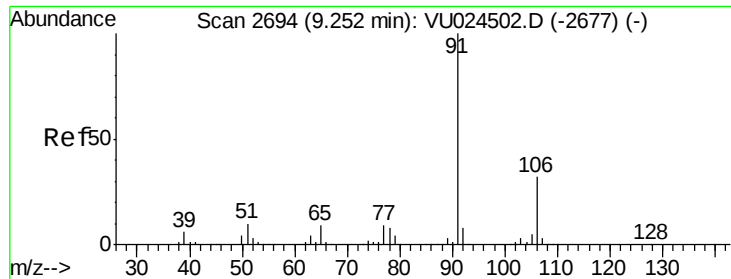


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.58 ug/l

RT: 9.25 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 91 Resp: 224685

Ion Ratio Lower Upper

91 100

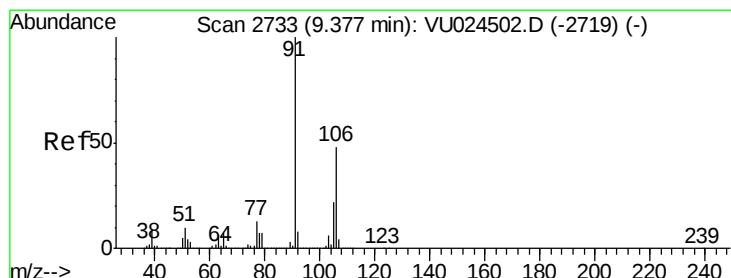
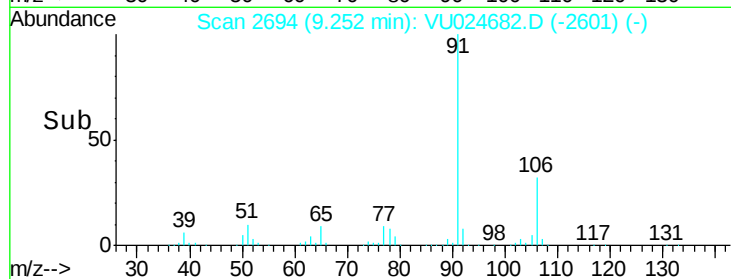
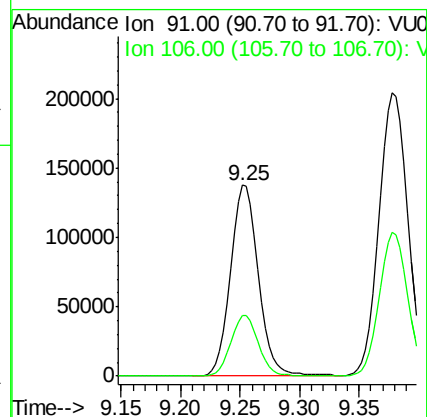
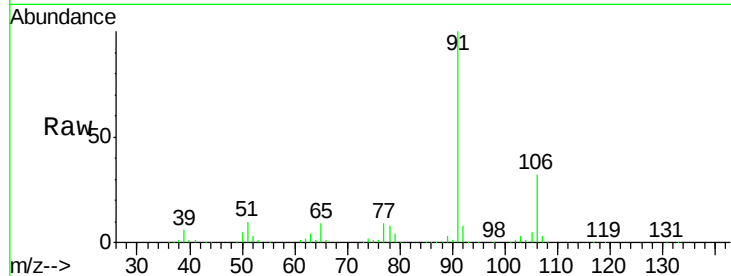
106 31.7 24.2 36.4

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#68

m/p-Xylenes

Concen: 39.49 ug/l

RT: 9.38 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU024682.D

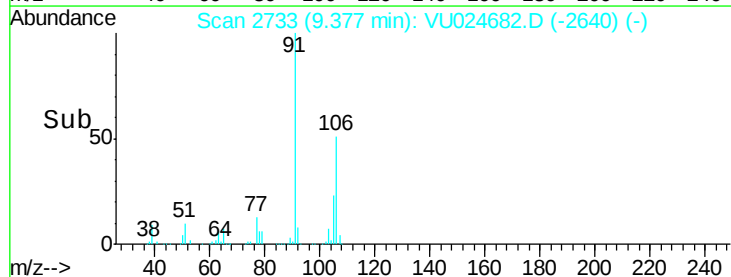
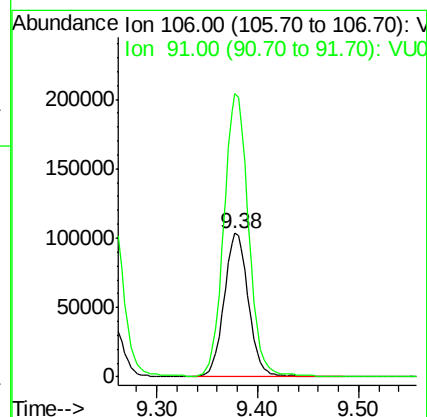
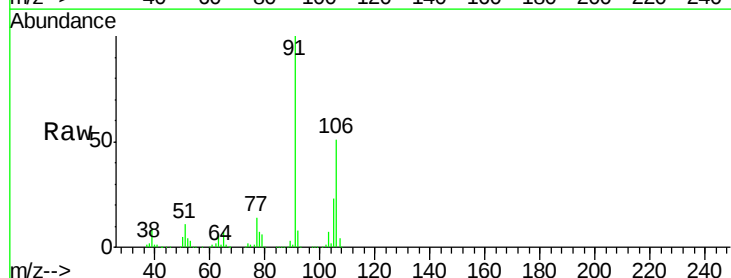
Acq: 18 Jun 2018 11:23

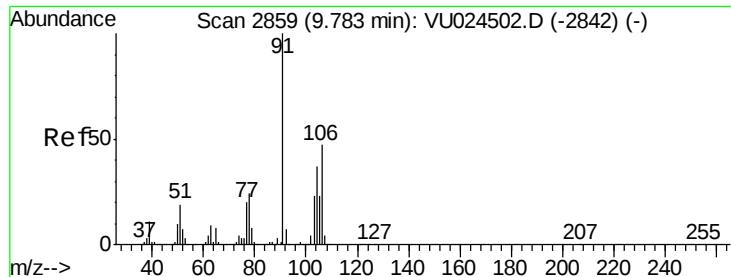
Tgt Ion: 106 Resp: 174018

Ion Ratio Lower Upper

106 100

91 201.0 166.5 249.7





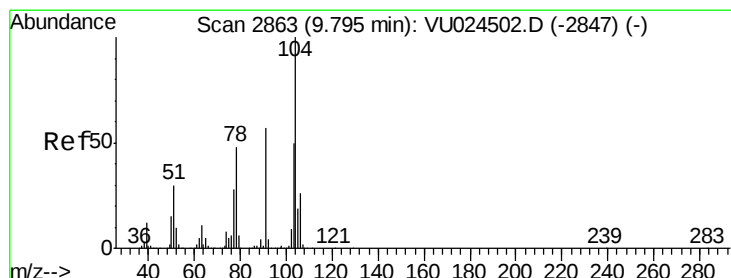
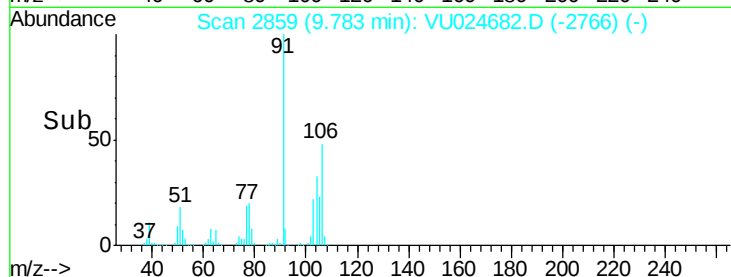
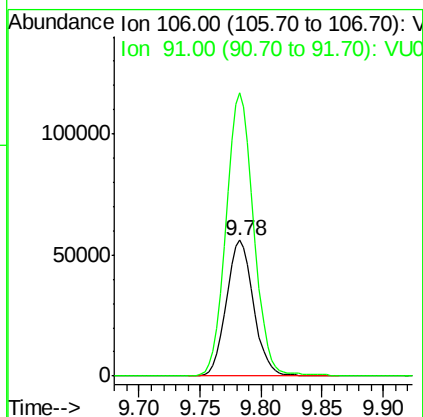
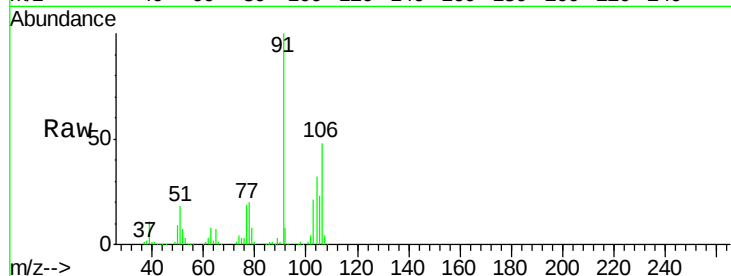
#69
o-Xylene
Concen: 20.22 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		88196		
91	210.0	110.7	331.9		

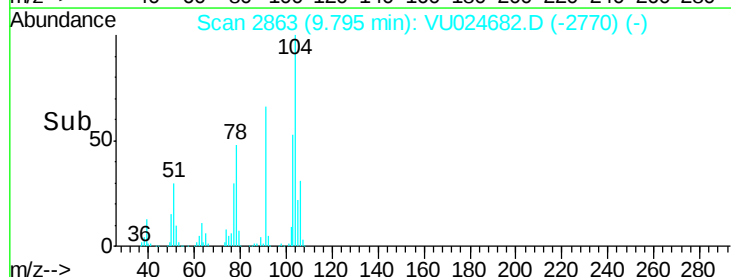
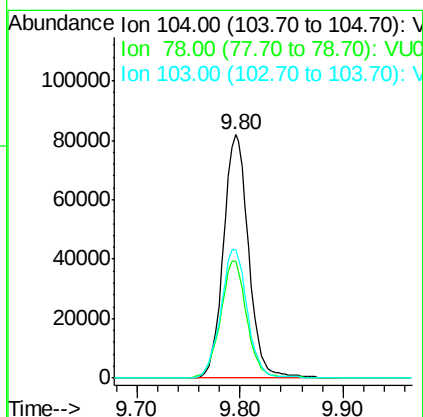
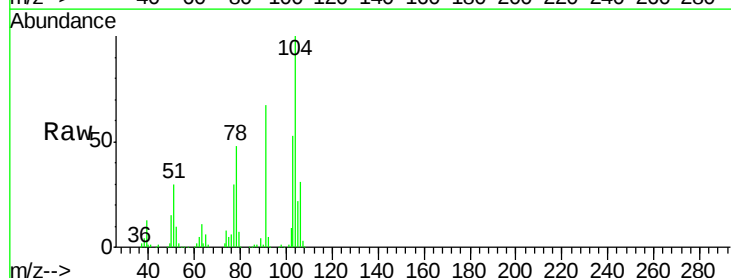
Manual Integrations
APPROVED

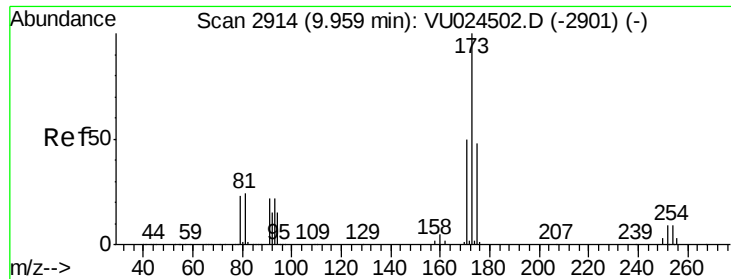
MMDadoda
6/19/2018 1:54:59 PM



#70
Styrene
Concen: 19.46 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		139460		
78	50.3	40.6	60.8		
103	55.2	44.7	67.1		





#71

Bromoform

Concen: 19.77 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

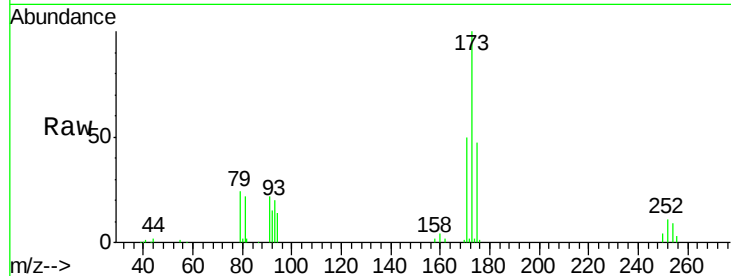
ClientSampleId :

VU0618WBS01

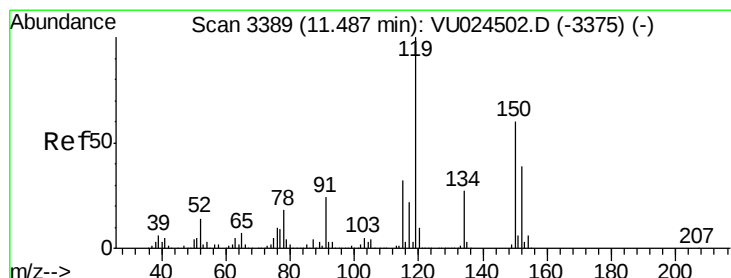
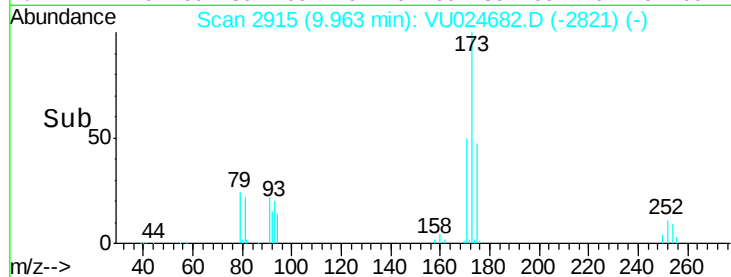
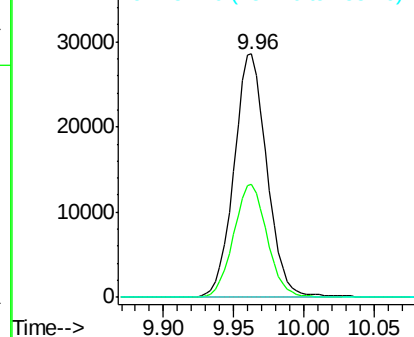
Tot Ion:173	Resp:	46740
Ion Ratio	Lower	Upper
173 100		
175 47.2	24.6	74.0
254 0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

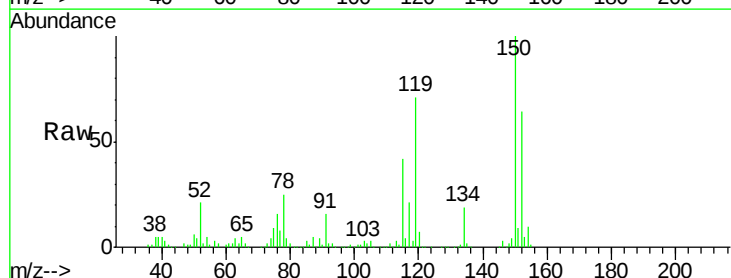
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

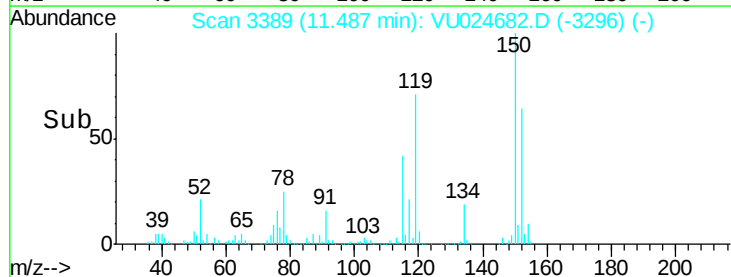
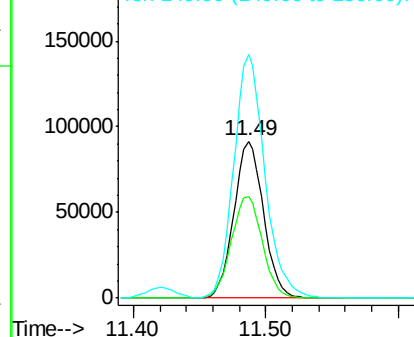
Lab File: VU024682.D

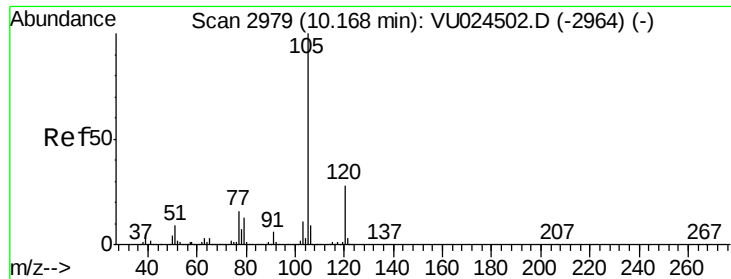
Acq: 18 Jun 2018 11:23

Tgt Ion:152	Resp:	141980
Ion Ratio	Lower	Upper
152 100		
115 67.9	43.0	129.0
150 162.9	0.0	354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.15 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion:105 Resp: 230524

Ion Ratio Lower Upper

105 100

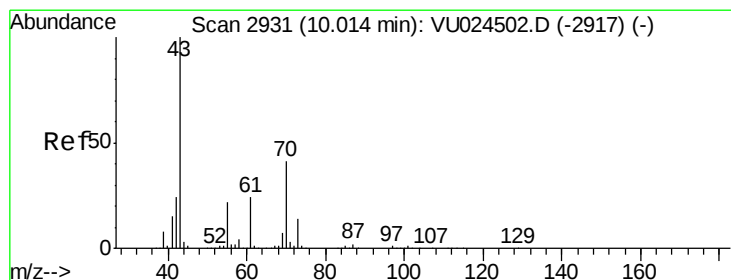
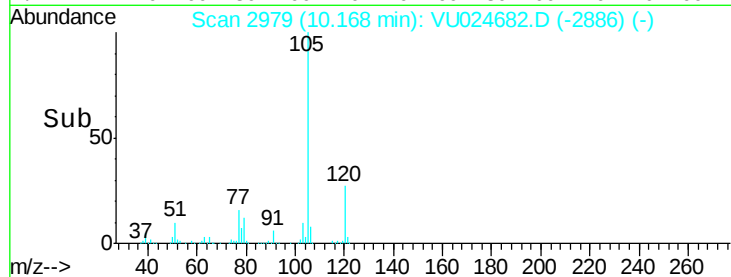
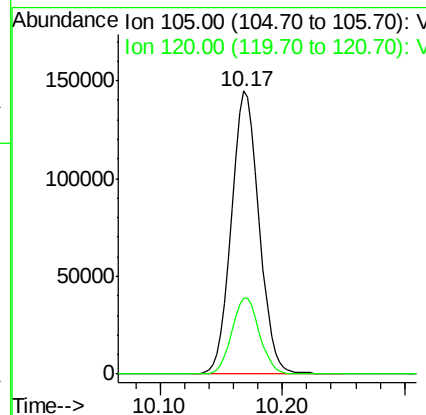
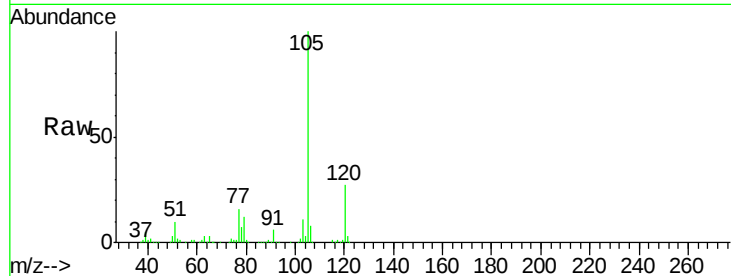
120 26.9 13.2 39.6

Manual Integrations

APPROVED

MMDadoda

6/19/2018 1:54:59 PM



#74

N-ethyl acetate

Concen: 20.43 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion: 43 Resp: 105926

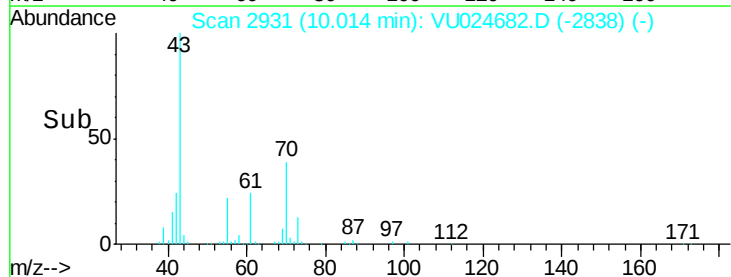
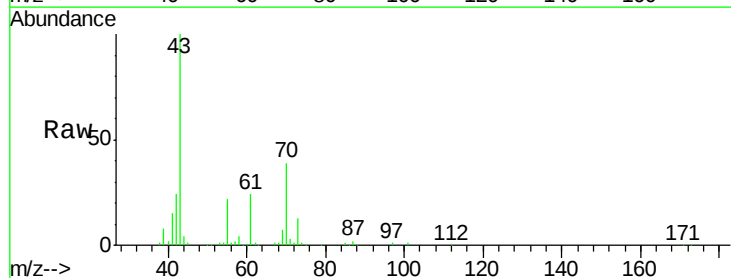
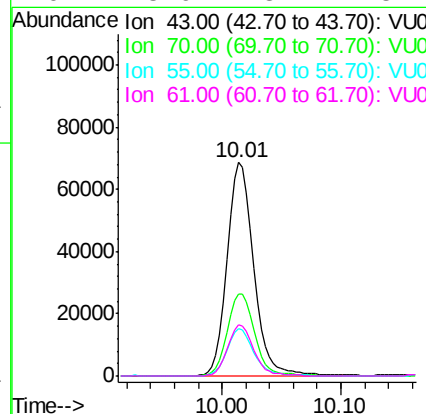
Ion Ratio Lower Upper

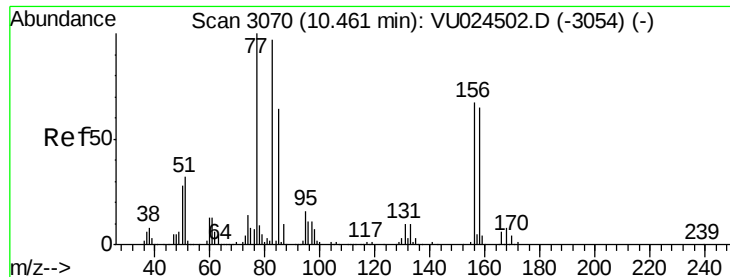
43 100

70 39.9 32.2 48.4

55 21.9 20.5 30.7

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 22.31 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 83 Resp: 81503

Ion Ratio Lower Upper

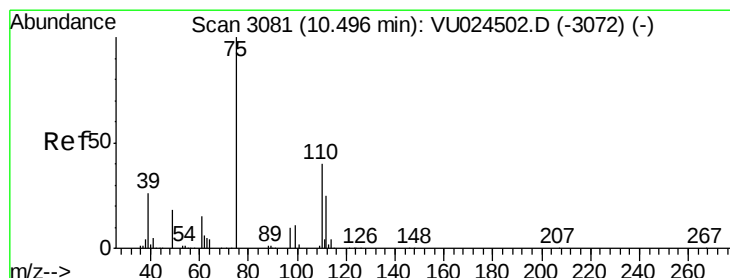
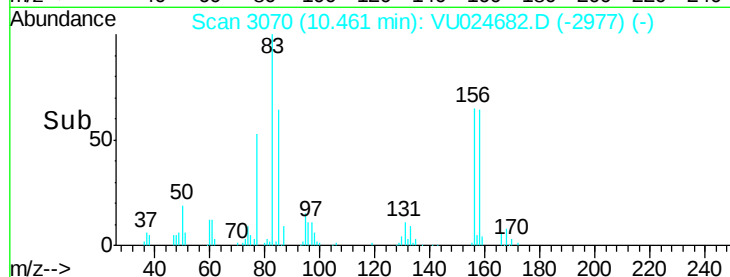
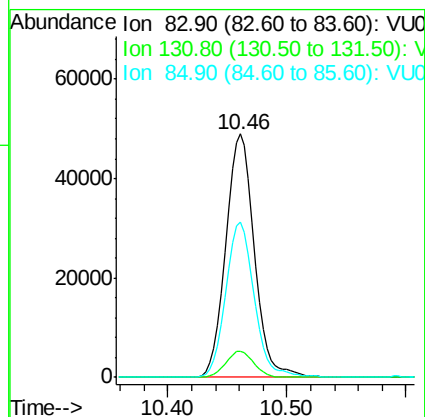
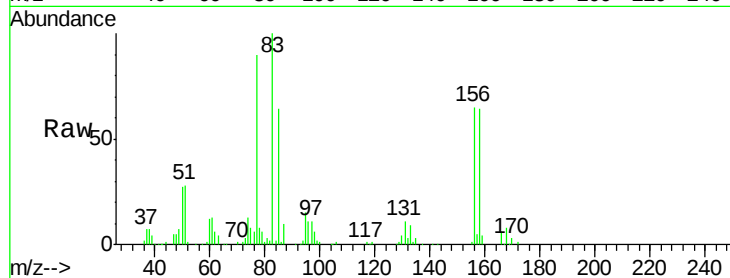
83 100

131 10.4 4.7 14.1

85 63.7 32.5 97.5

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#76

1,2,3-Trichloropropane

Concen: 21.34 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024682.D

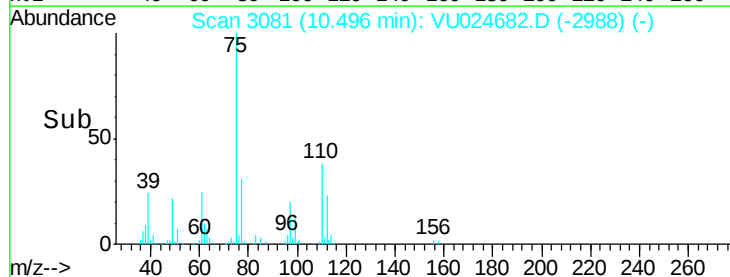
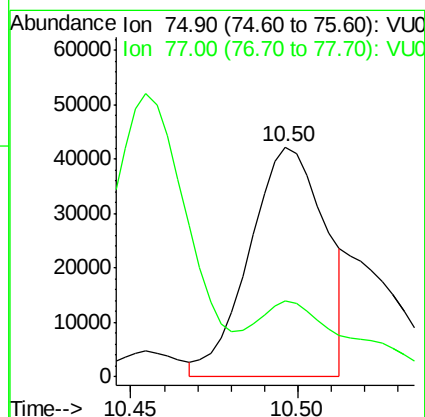
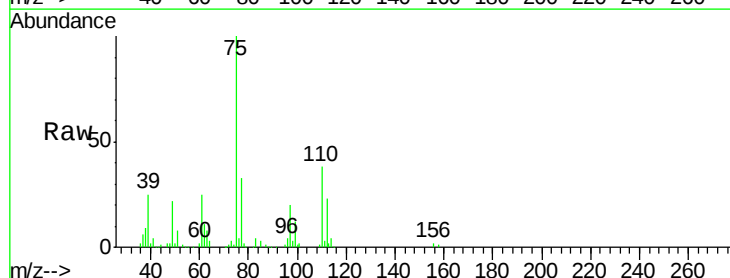
Acq: 18 Jun 2018 11:23

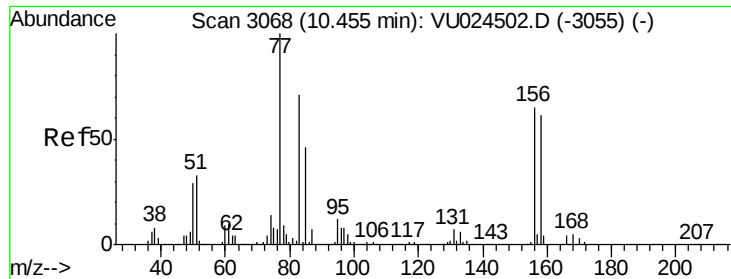
Tgt Ion: 75 Resp: 66706

Ion Ratio Lower Upper

75 100

77 42.3 20.9 62.7





#77

Bromobenzene

Concen: 20.75 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

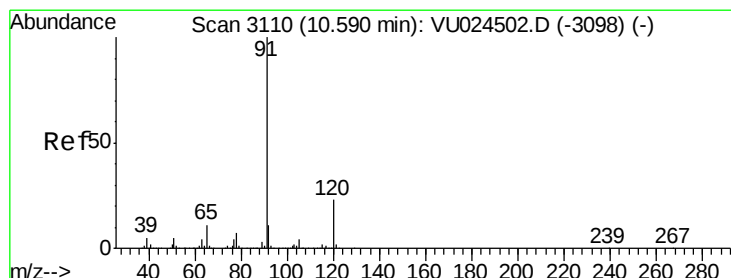
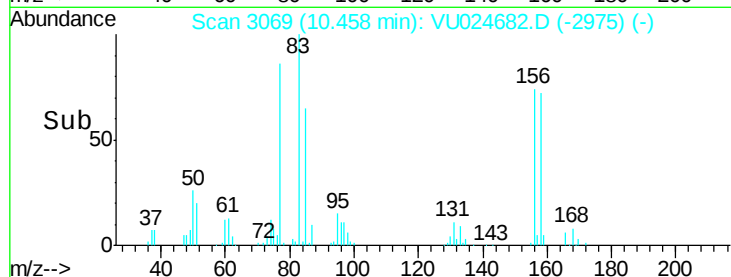
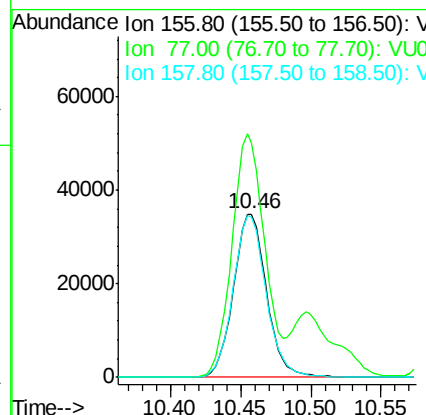
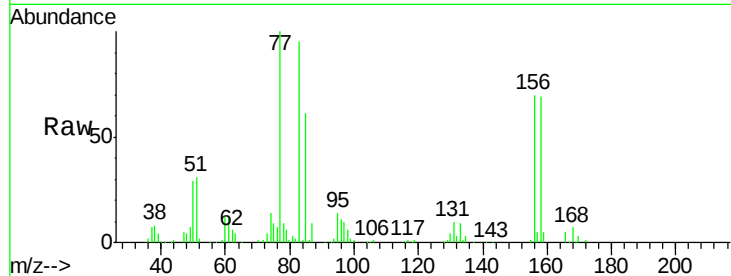
ClientSampleId :

VU0618WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.1	80.5	241.3
158	98.9	48.2	144.6

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#78

n-propylbenzene

Concen: 20.17 ug/l

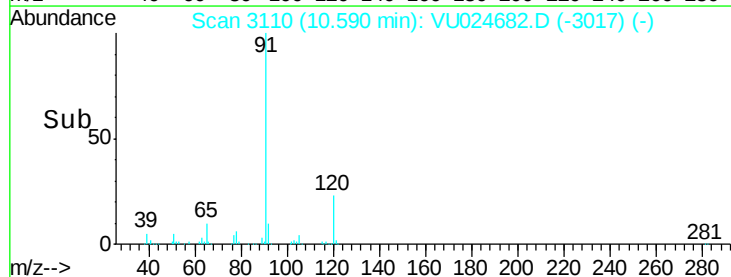
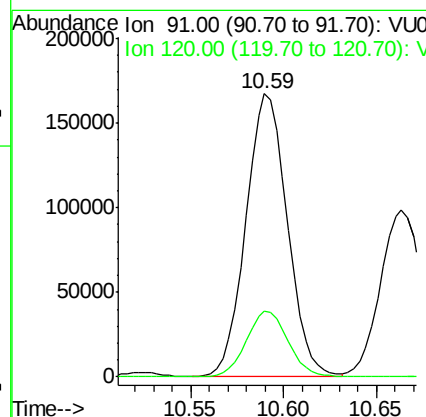
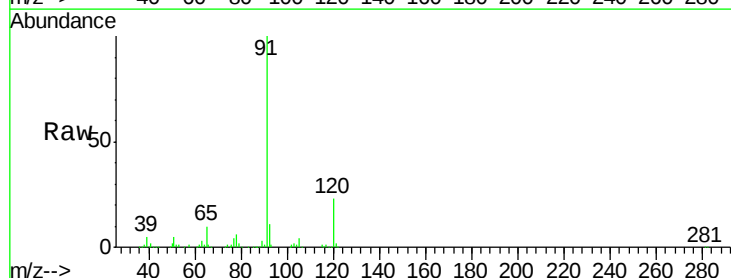
RT: 10.59 min Scan# 3110

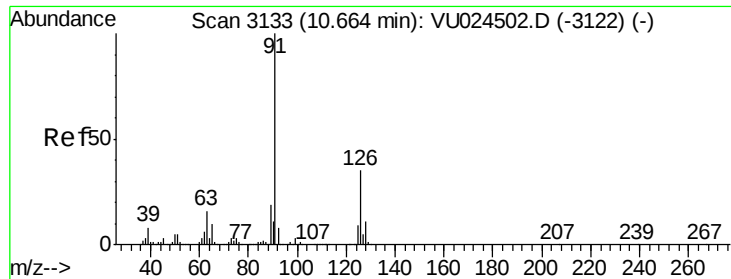
Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.67 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion: 91 Resp: 156513

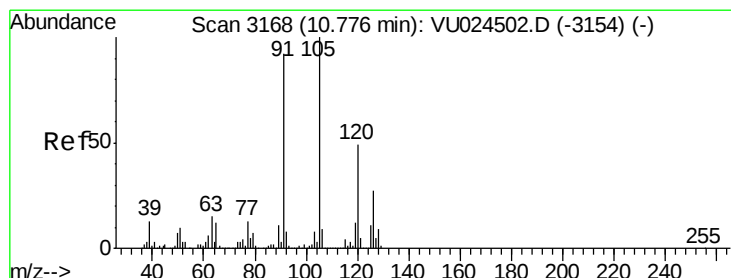
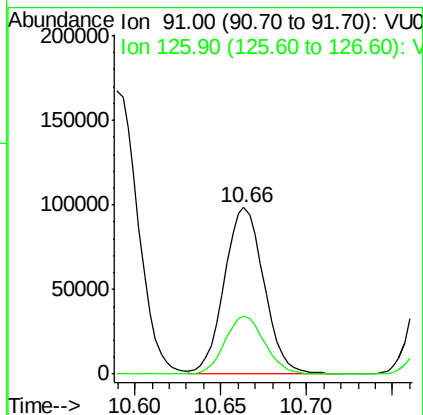
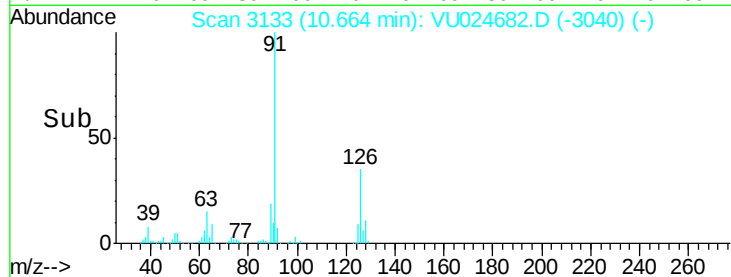
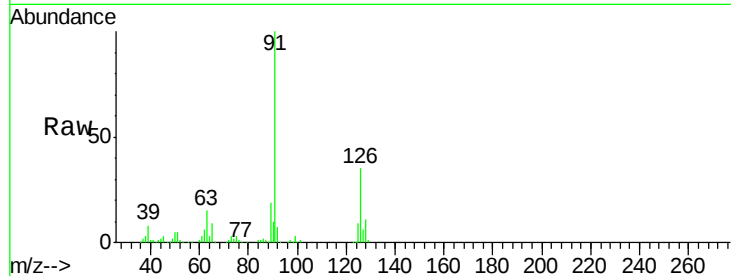
Ion Ratio Lower Upper

91 100

126 35.3 16.9 50.7

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.56 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024682.D

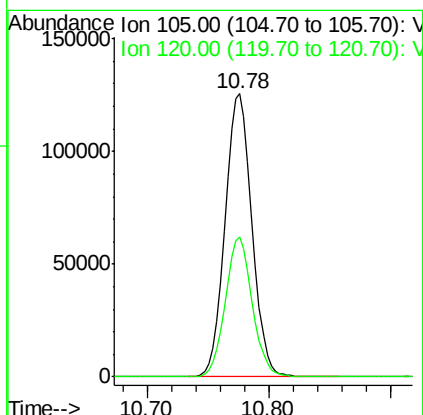
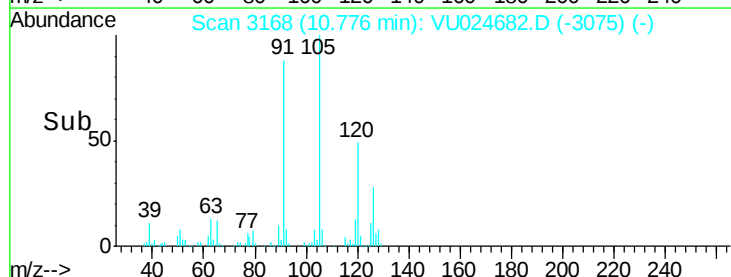
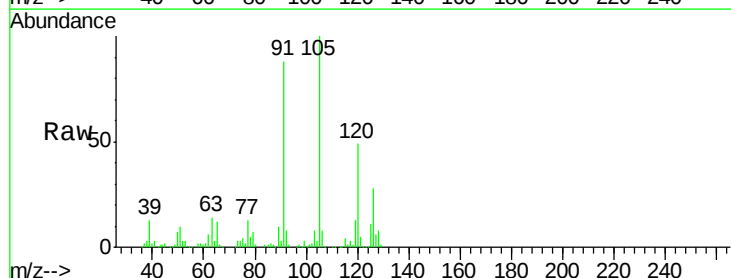
Acq: 18 Jun 2018 11:23

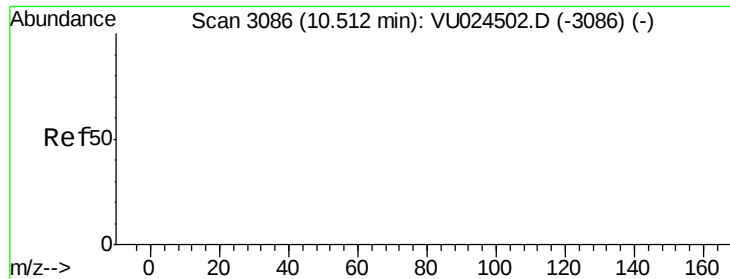
Tgt Ion: 105 Resp: 194271

Ion Ratio Lower Upper

105 100

120 49.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.37 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

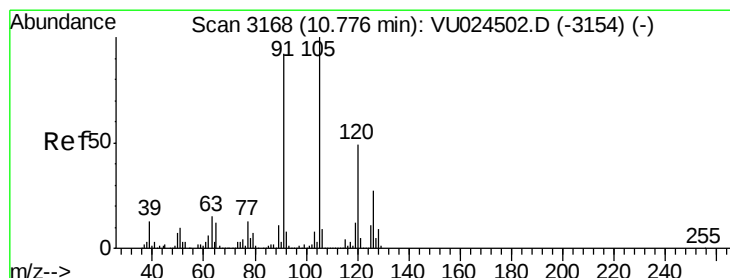
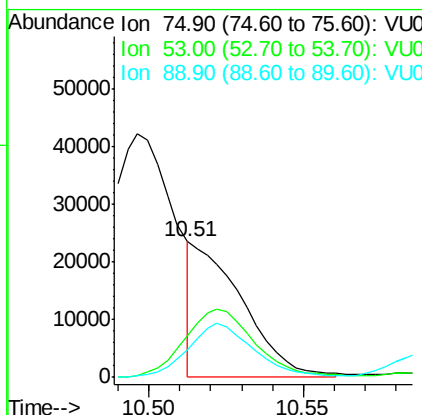
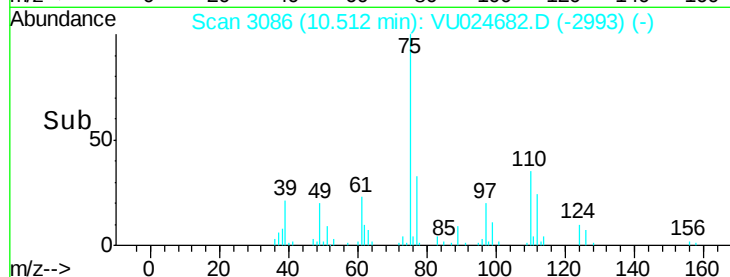
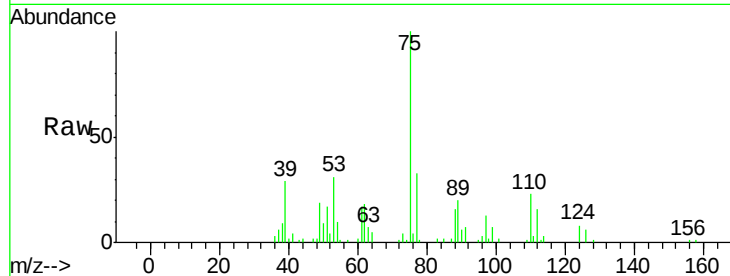
Instrument :
MSVOA_U

ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#82

4-Chlorotoluene

Concen: 19.73 ug/l

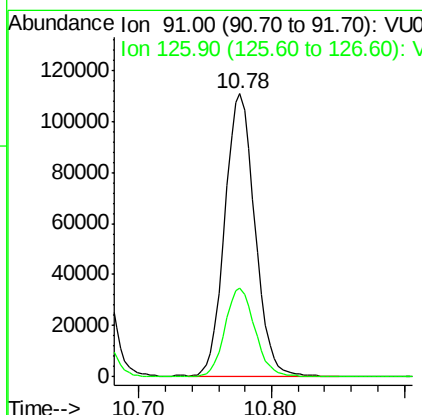
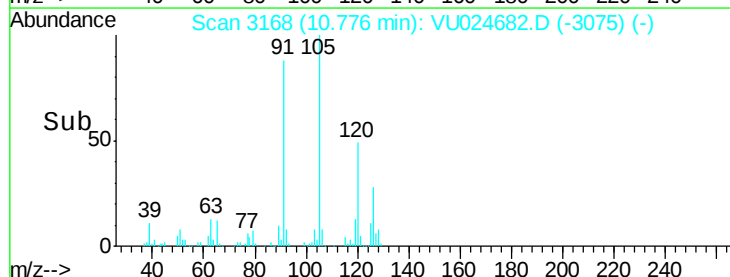
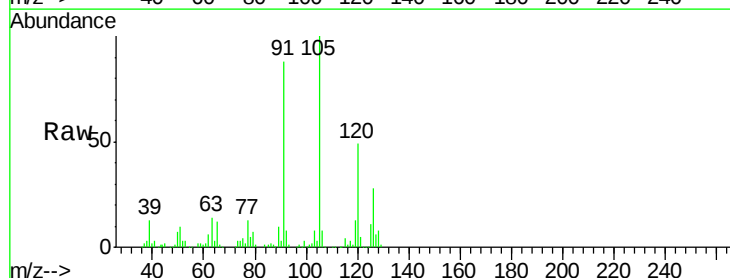
RT: 10.78 min Scan# 3168

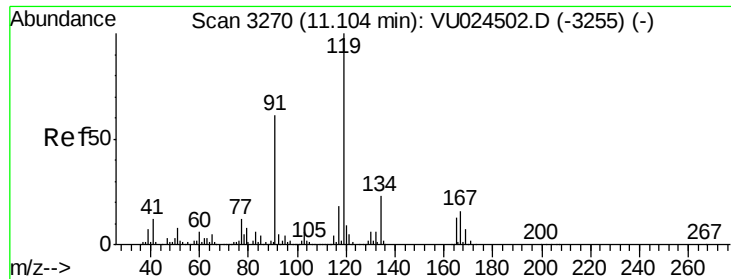
Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	14.9	44.9





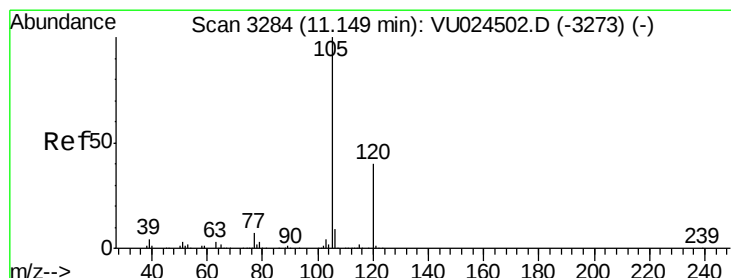
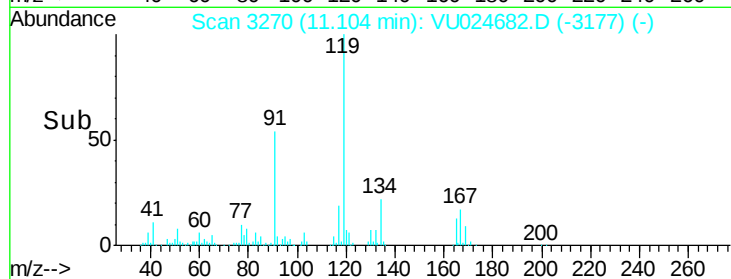
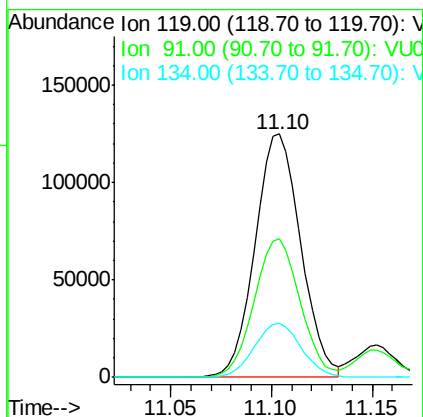
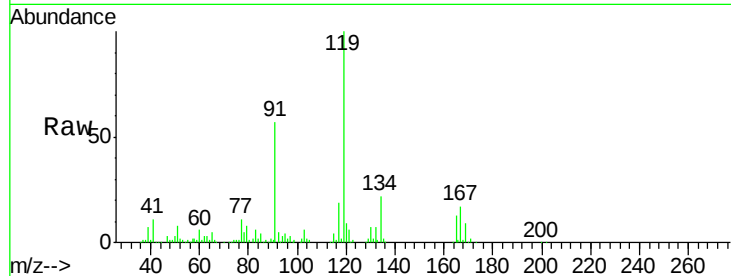
#83
tert-Butylbenzene
Concen: 21.76 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.0	29.7	89.1
134	22.6	11.6	34.7

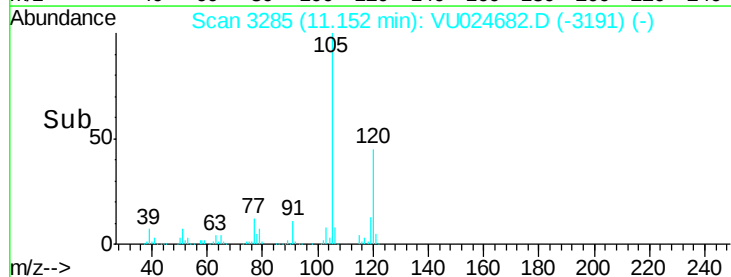
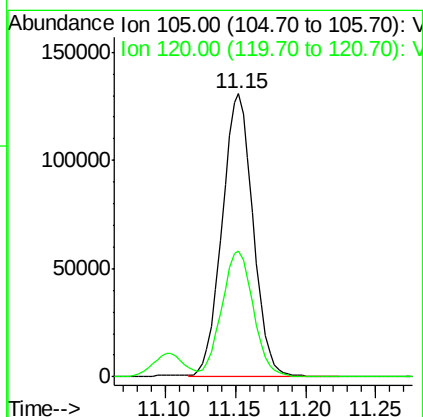
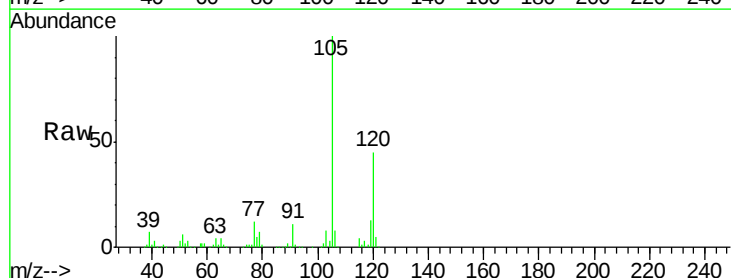
Manual Integrations
APPROVED

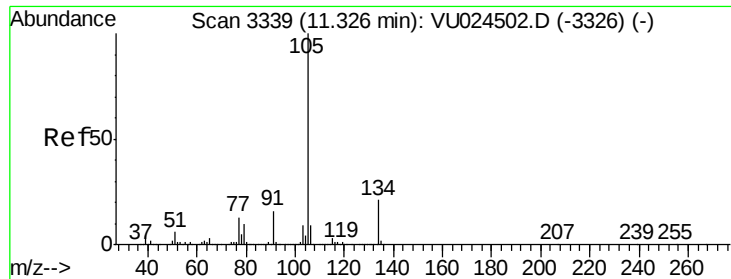
MMDadoda
6/19/2018 1:54:59 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.69 ug/l
RT: 11.15 min Scan# 3285
Delta R.T. 0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 20.40 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

ClientSampleId :

VU0618WBS01

Tot Ion:105 Resp: 232096

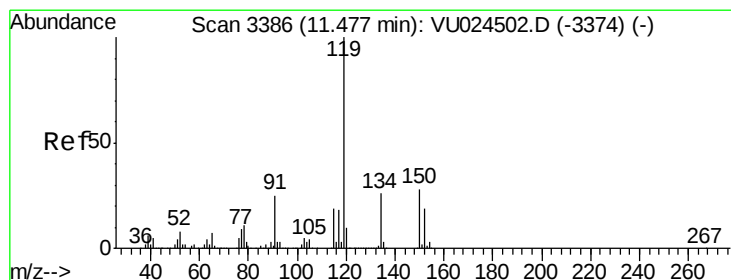
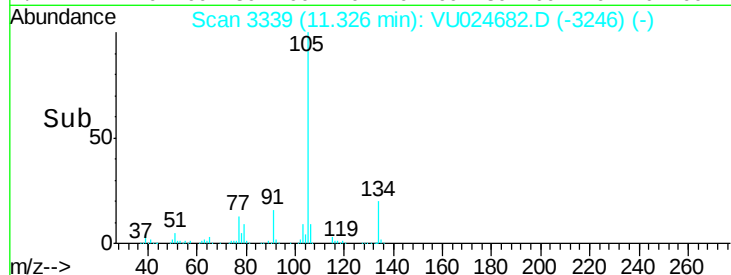
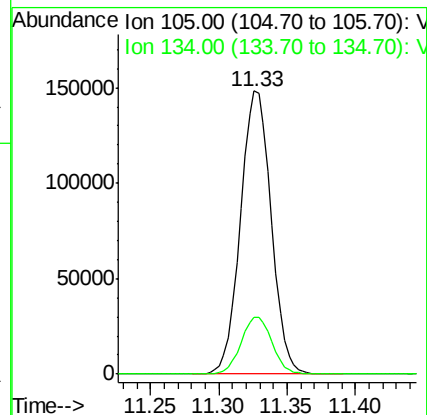
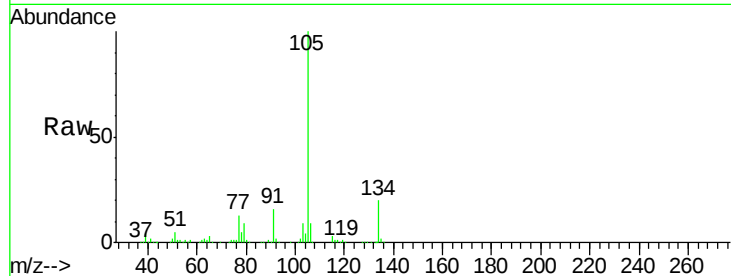
Ion Ratio Lower Upper

105 100

134 20.3 9.7 29.1

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#86

p-Isopropyltoluene

Concen: 19.95 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

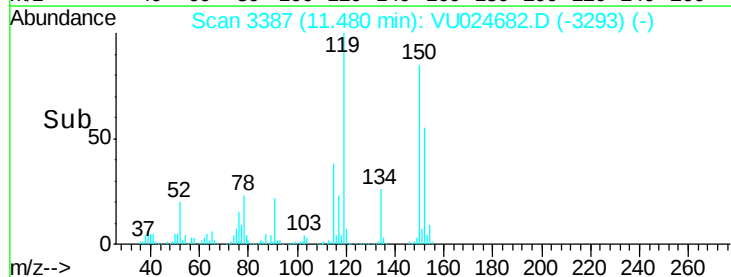
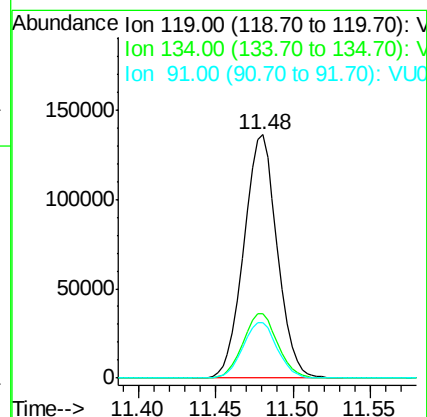
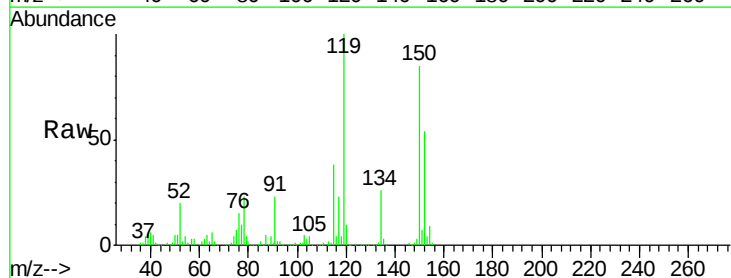
Tgt Ion:119 Resp: 203285

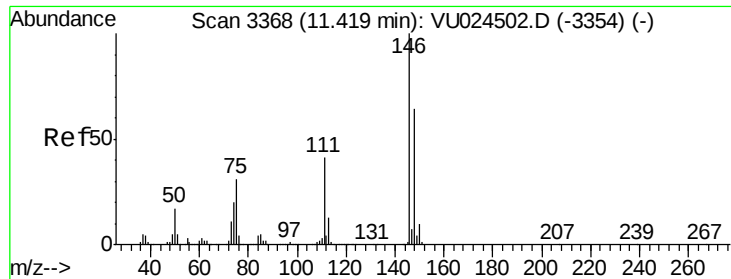
Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

91 23.7 12.0 36.1





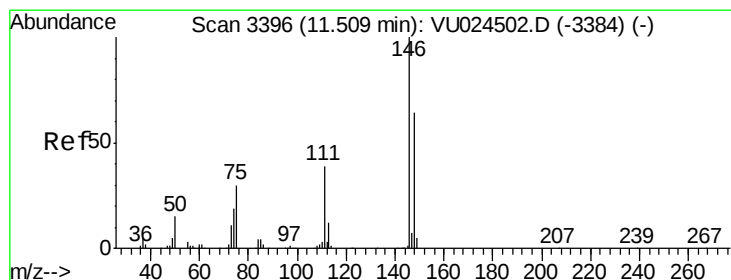
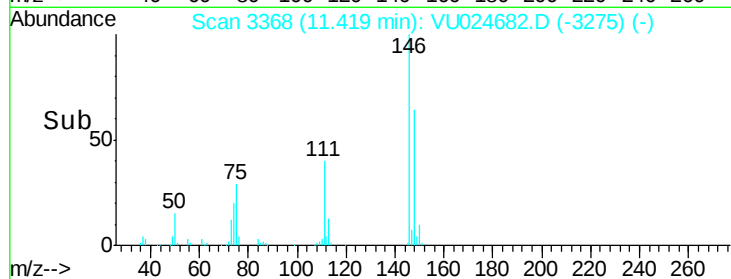
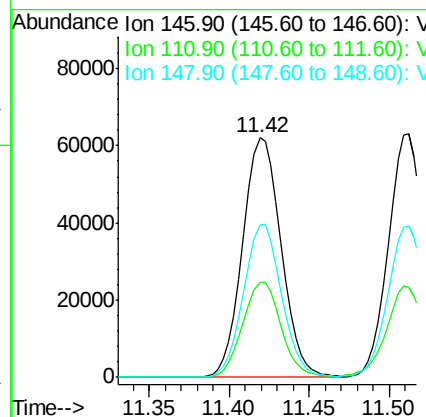
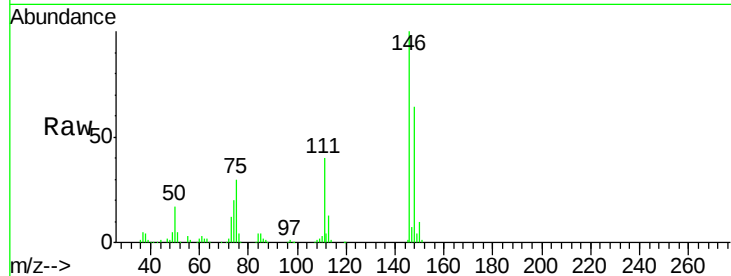
#87
 1,3-Dichlorobenzene
 Concen: 19.99 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	60.0
148	63.0	32.1	96.5

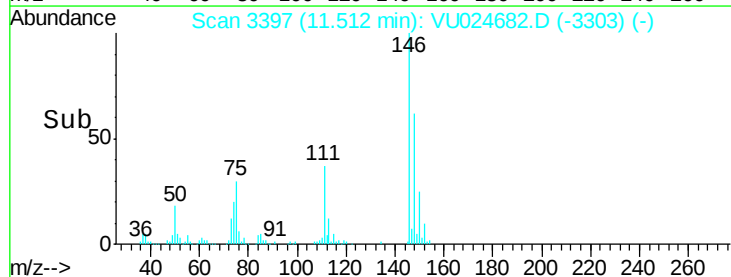
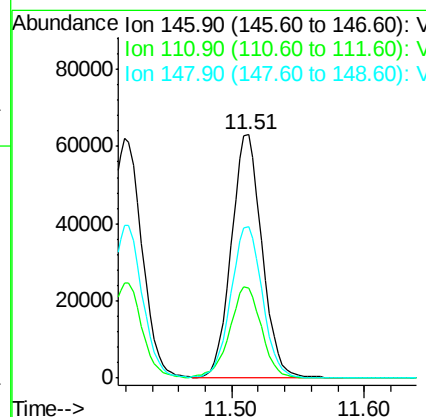
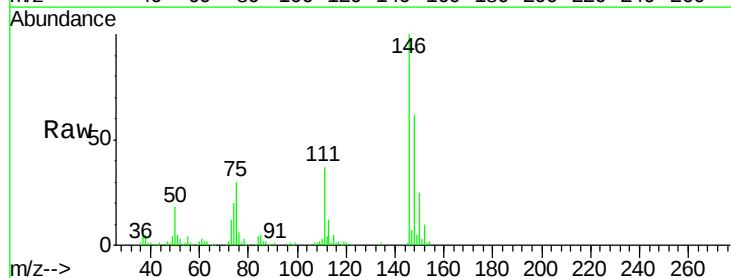
Manual Integrations
 APPROVED

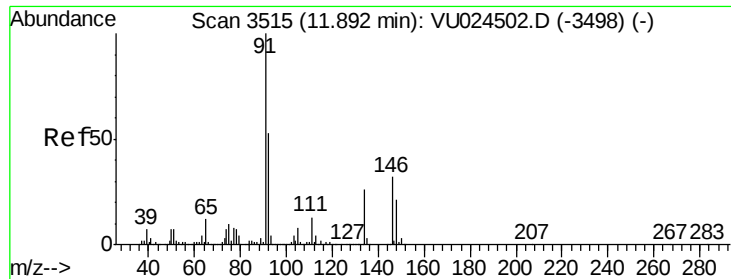
MMDadoda
 6/19/2018 1:54:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.81 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	63.9	32.4	97.0





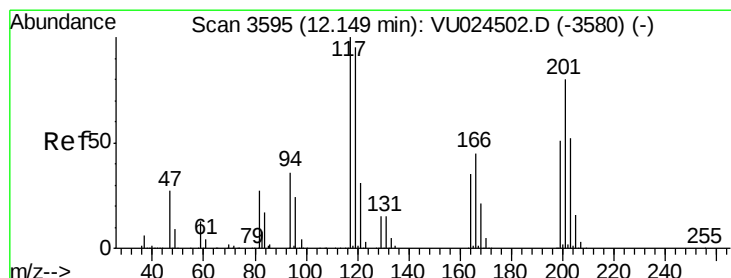
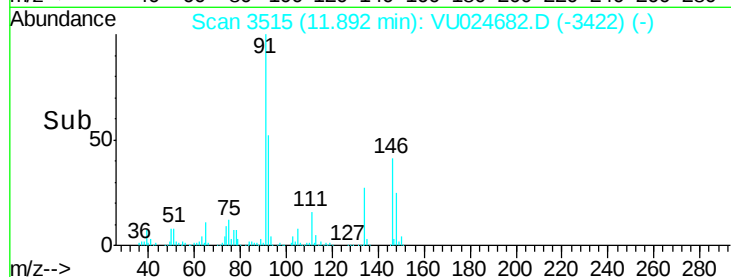
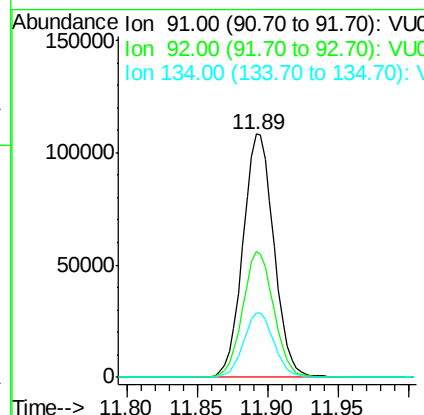
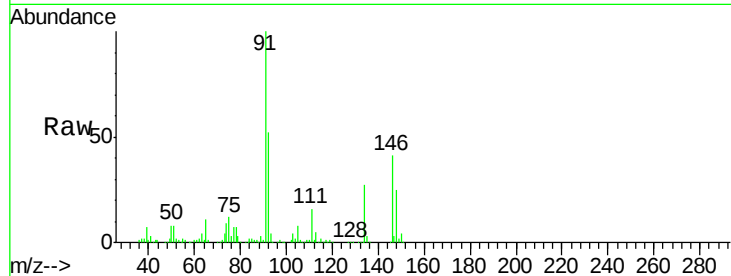
#89
n-Butylbenzene
Concen: 18.41 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Instrument :
MSVOA_U
ClientSampleId :
VU0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	166486		
92	52.0		25.6	76.8
134	26.2		12.3	36.8

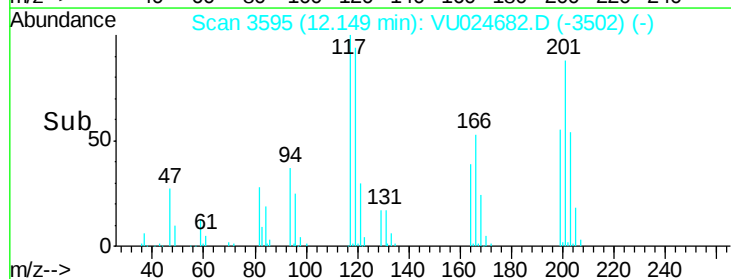
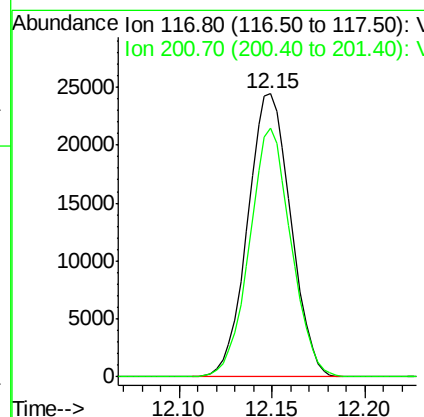
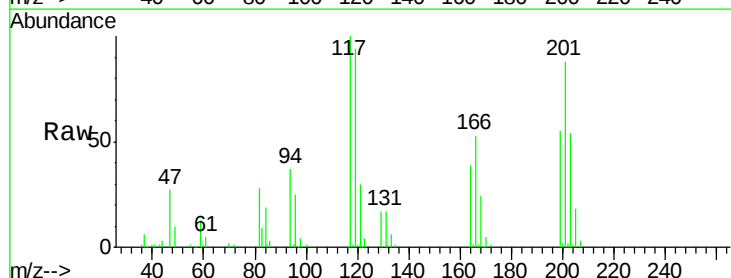
Manual Integrations
APPROVED

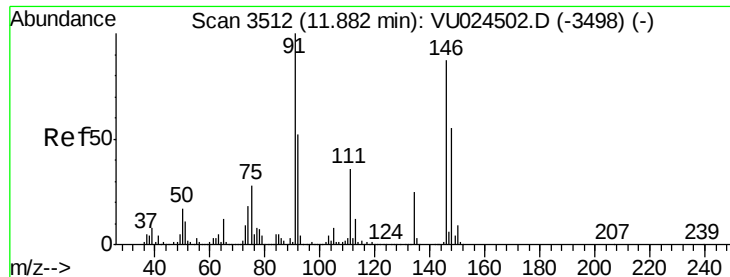
MMDadoda
6/19/2018 1:54:59 PM



#90
Hexachloroethane
Concen: 19.81 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024682.D
Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39371		
201	84.7		41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 20.66 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

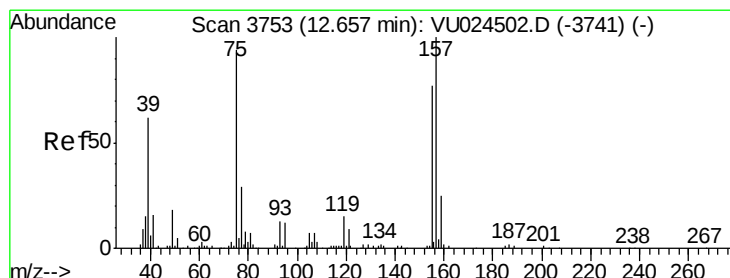
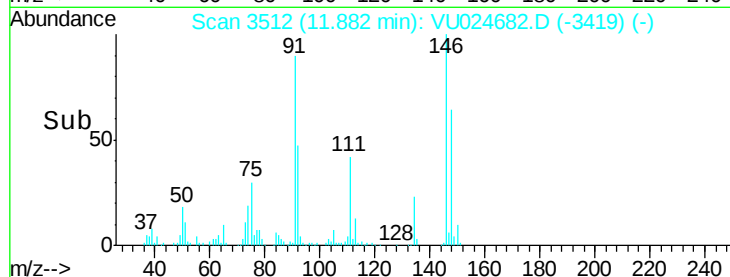
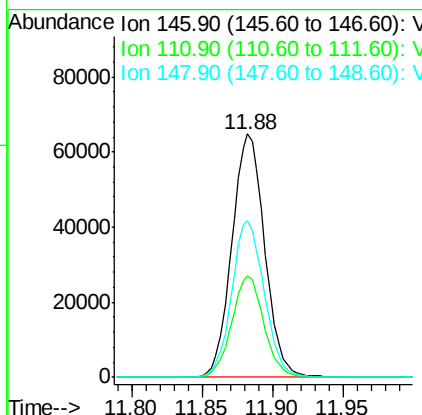
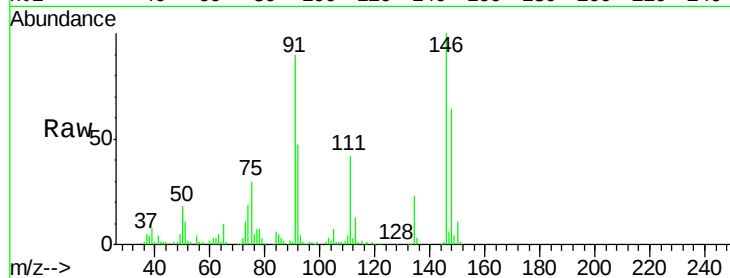
ClientSampleId :

VU0618WBS01

Tot Ion:	146	Resp:	105490
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.5	61.6
148	63.8	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.08 ug/l

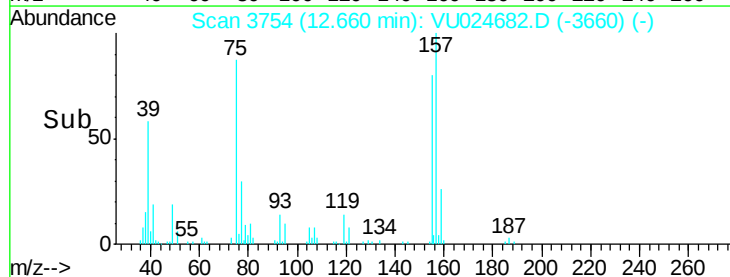
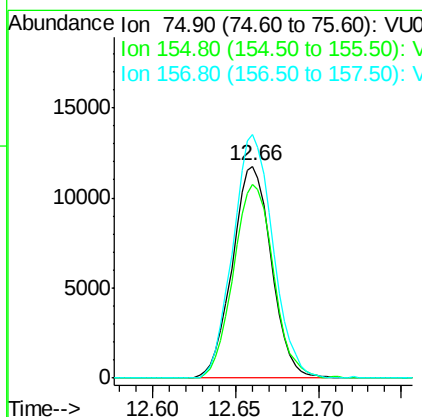
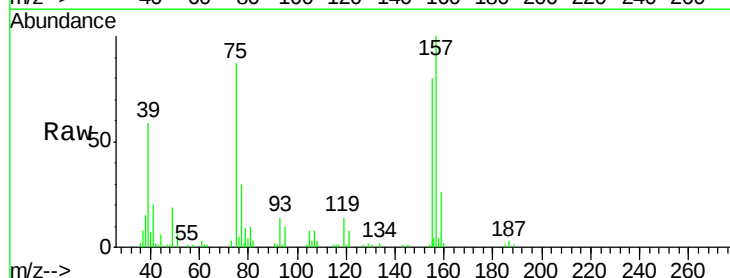
RT: 12.66 min Scan# 3754

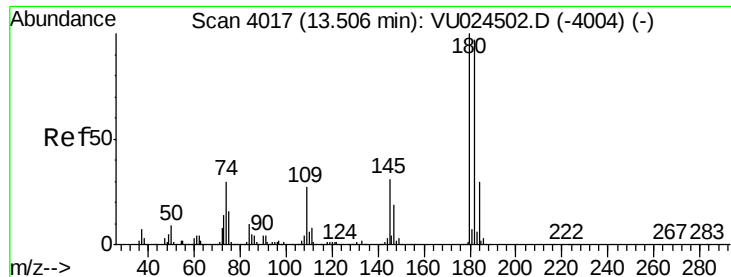
Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion:	75	Resp:	19229
Ion Ratio	Lower	Upper	
75	100		
155	93.4	40.4	121.2
157	117.8	52.3	156.8





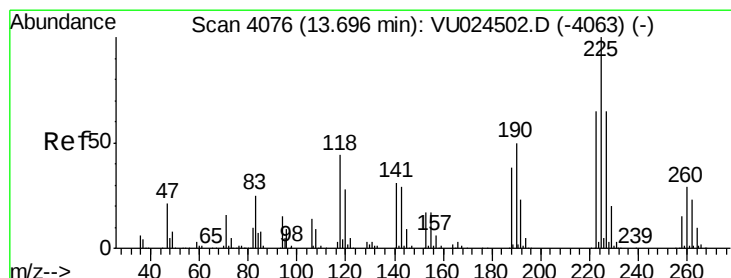
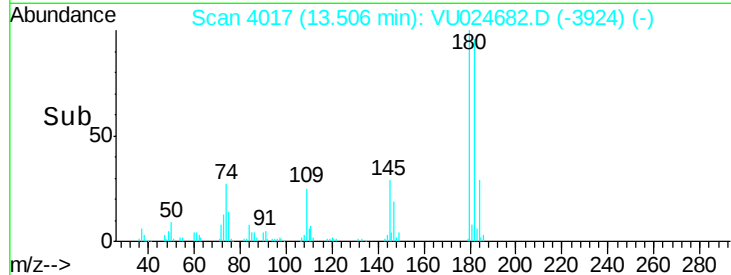
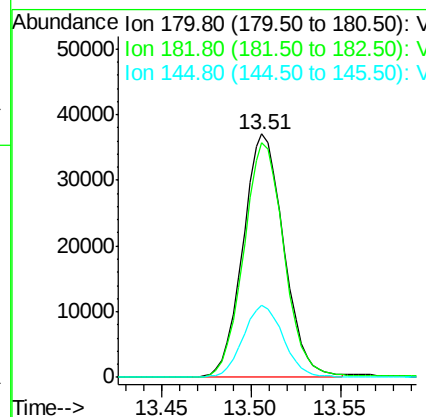
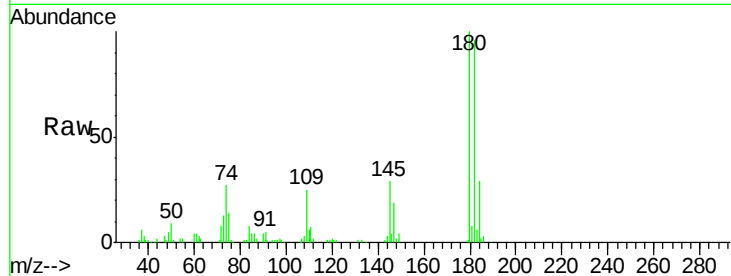
#93
 1,2,4-Trichlorobenzene
 Concen: 18.71 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0618WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	59017		
182	95.3	48.0	144.2	
145	29.5	14.7	44.1	

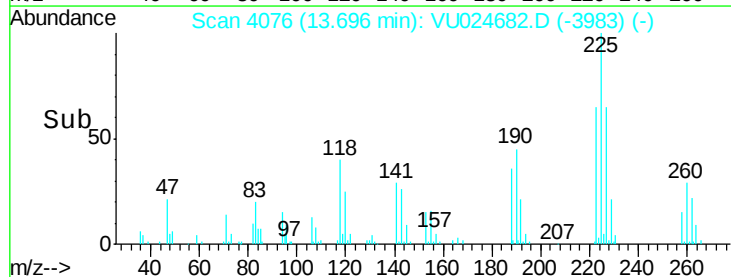
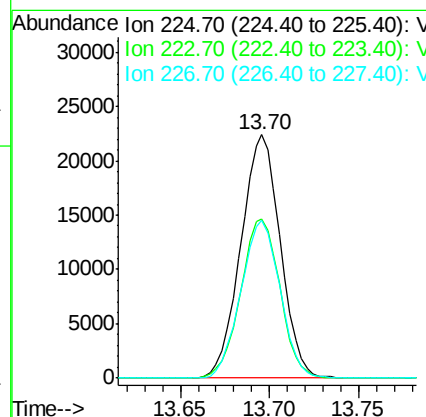
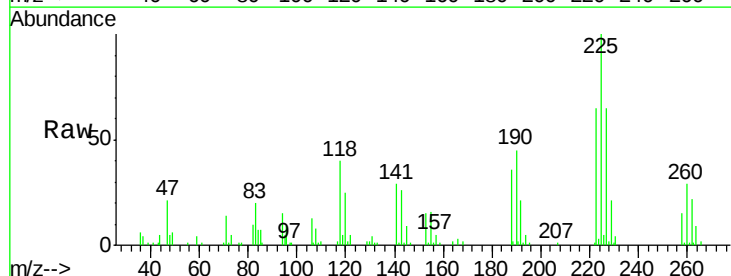
Manual Integrations
 APPROVED

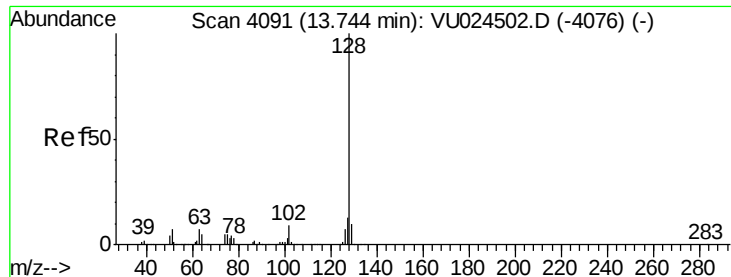
MMDadoda
 6/19/2018 1:54:59 PM



#94
 Hexachlorobutadiene
 Concen: 19.37 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024682.D
 Acq: 18 Jun 2018 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34390		
223	65.3	31.3	93.8	
227	64.2	31.8	95.4	





#95

Naphthalene

Concen: 18.18 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Instrument :

MSVOA_U

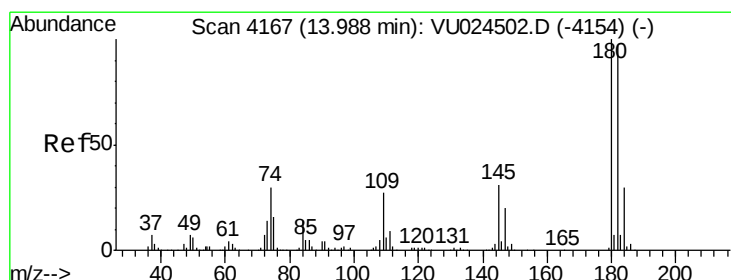
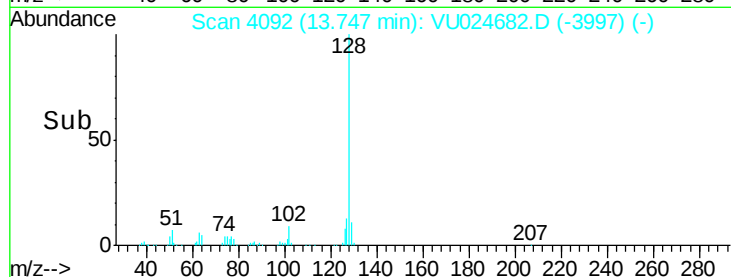
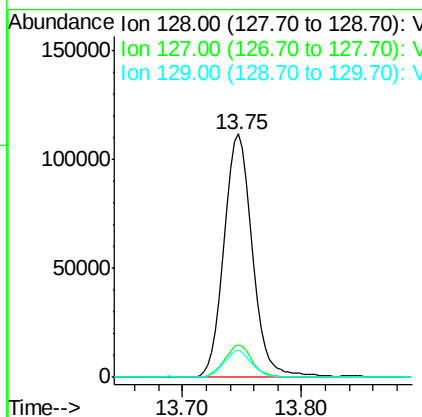
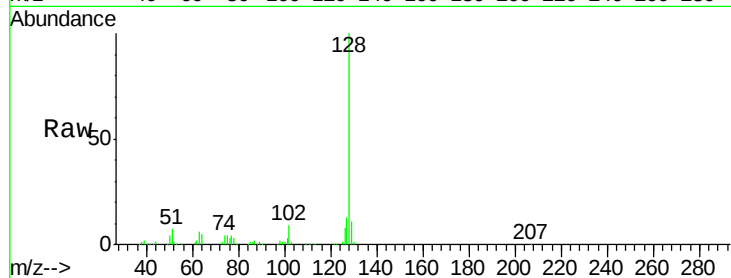
ClientSampleId :

VU0618WBS01

Tot Ion:	128	Resp:	185211
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:54:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.80 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024682.D

Acq: 18 Jun 2018 11:23

Tgt Ion:	180	Resp:	62202
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.9	143.7
145	30.4	15.4	46.1

