

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024753.D
 Acq On : 20 Jun 2018 13:23
 Operator : MD/SY
 Sample : VU0620WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:37 PM

Quant Time: Jun 20 15:04:26 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	154399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	226868	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	208148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	118808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	85012	33.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.46%	
35) Dibromofluoromethane	4.89	113	73685	39.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.28%	
50) Toluene-d8	7.57	98	259786	37.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.66%	
62) 4-Bromofluorobenzene	10.31	95	96644	35.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	26603	13.77	ug/l	98
3) Chloromethane	1.33	50	28524	14.45	ug/l	97
4) Vinyl Chloride	1.40	62	29356	14.42	ug/l	99
5) Bromomethane	1.63	94	18264	18.55	ug/l	98
6) Chloroethane	1.70	64	17824	14.93	ug/l	98
7) Trichlorofluoromethane	1.89	101	44902	14.45	ug/l	94
8) Diethyl Ether	2.10	74	17148	14.89	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	26805	13.90	ug/l	94
10) Methyl Iodide	2.41	142	20491	16.52	ug/l	100
11) Tert butyl alcohol	2.82	59	35337	57.64	ug/l	99
12) 1,1-Dichloroethene	2.29	96	24943	14.19	ug/l	91
13) Acrolein	2.19	56	21729	67.50	ug/l	99
14) Allyl chloride	2.60	41	42334	12.97	ug/l	93
15) Acrylonitrile	2.94	53	84031	70.45	ug/l	98
16) Acetone	2.32	43	86865	64.14	ug/l	93
17) Carbon Disulfide	2.48	76	74973	13.32	ug/l	98
18) Methyl Acetate	2.62	43	41025	14.13	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	90136	13.64	ug/l	96
20) Methylene Chloride	2.71	84	30229	14.23	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	26949	13.92	ug/l	95
22) Diisopropyl ether	3.57	45	89667	13.86	ug/l	92
23) Vinyl Acetate	3.53	43	394405	68.04	ug/l	99
24) 1,1-Dichloroethane	3.45	63	51005	13.70	ug/l	99
25) 2-Butanone	4.26	43	121097	66.57	ug/l	95
26) 2,2-Dichloropropane	4.23	77	46529	13.16	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	31315	14.07	ug/l	97
28) Bromochloromethane	4.55	49	17871	10.90	ug/l	88
29) Tetrahydrofuran	4.64	42	74413	66.05	ug/l	96
30) Chloroform	4.68	83	52008	13.80	ug/l	96
31) Cyclohexane	5.00	56	49704	13.60	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	45847	13.16	ug/l	96
36) 1,1-Dichloropropene	5.14	75	36831	13.82	ug/l	96
37) Ethyl Acetate	4.38	43	41811	14.39	ug/l #	94
38) Carbon Tetrachloride	5.14	117	40291	13.74	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062018\
 Data File : VU024753.D
 Acq On : 20 Jun 2018 13:23
 Operator : MD/SY
 Sample : VU0620WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0620WBSD01

Manual Integrations
 APPROVED

apatel
 6/21/2018 1:44:37 PM

Quant Time: Jun 20 15:04:26 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	48433	14.56	ug/l	92
40) Benzene	5.39	78	113462	14.94	ug/l	100
41) Methacrylonitrile	4.54	41	24779	15.82	ug/l	99
42) 1,2-Dichloroethane	5.41	62	40391	13.96	ug/l	96
43) Isopropyl Acetate	5.55	43	69860	13.91	ug/l	99
44) Trichloroethene	6.19	130	30807	14.25	ug/l	93
45) 1,2-Dichloropropane	6.44	63	30704	15.15	ug/l	95
46) Dibromomethane	6.56	93	21277	14.94	ug/l	95
47) Bromodichloromethane	6.76	83	39600	13.97	ug/l	95
48) Methyl methacrylate	6.63	41	33626	13.75	ug/l	95
49) 1,4-Dioxane	6.62	88	15087	315.44	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	228234	72.33	ug/l	99
52) Toluene	7.64	92	70315	14.39	ug/l	99
53) t-1,3-Dichloropropene	7.89	75	43448	13.65	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	45813	13.50	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	28914	14.55	ug/l	98
56) Ethyl methacrylate	8.02	69	47594	14.31	ug/l	100
57) 1,3-Dichloropropane	8.25	76	49820	14.87	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	66840	52.47	ug/l	97
59) 2-Hexanone	8.36	43	180097	69.91	ug/l	98
60) Dibromochloromethane	8.48	129	31755	12.82	ug/l	100
61) 1,2-Dibromoethane	8.59	107	31454	14.23	ug/l	97
64) Tetrachloroethene	8.23	164	26950	13.62	ug/l	96
65) Chlorobenzene	9.12	112	79045	14.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	28929	14.32	ug/l	96
67) Ethyl Benzene	9.25	91	134018	14.38	ug/l	97
68) m/p-Xylenes	9.38	106	105926	29.59	ug/l	97
69) o-Xylene	9.78	106	52513	14.82	ug/l	93
70) Styrene	9.80	104	84245	14.47	ug/l	99
71) Bromoform	9.96	173	25735	13.40	ug/l #	99
73) Isopropylbenzene	10.17	105	138233	15.15	ug/l	98
74) N-amyl acetate	10.01	43	63287	14.59	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	46647	15.26	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	41604m	15.91	ug/l	
77) Bromobenzene	10.45	156	34870	15.10	ug/l	95
78) n-propylbenzene	10.59	91	156859	14.60	ug/l	96
79) 2-Chlorotoluene	10.66	91	94938	14.98	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	118797	15.03	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	13805m	12.21	ug/l	
82) 4-Chlorotoluene	10.78	91	108378	14.69	ug/l	99
83) tert-Butylbenzene	11.10	119	119442	15.71	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	120114	14.91	ug/l	100
85) sec-Butylbenzene	11.33	105	141262	14.84	ug/l	97
86) p-Isopropyltoluene	11.48	119	124707	14.63	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	62814	14.72	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	64270	14.97	ug/l	98
89) n-Butylbenzene	11.89	91	104138	13.76	ug/l	97
90) Hexachloroethane	12.15	117	22139	13.31	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	65385	15.30	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11050	13.10	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062018\
Data File : VU024753.D
Acq On : 20 Jun 2018 13:23
Operator : MD/SY
Sample : VU0620WBSD01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

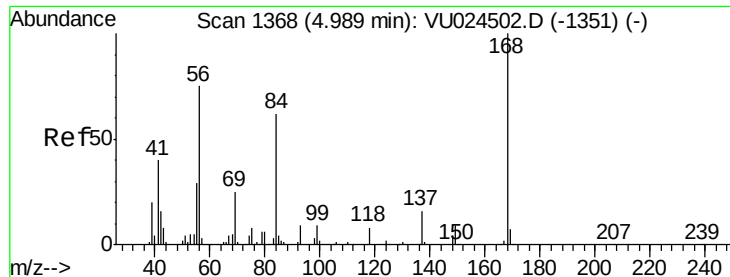
Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM

Quant Time: Jun 20 15:04:26 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	43231	16.38	ug/l	100
94) Hexachlorobutadiene	13.70	225	22911	15.43	ug/l	100
95) Naphthalene	13.75	128	142773	16.80	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	45640	17.36	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: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion:168 Resp: 154399

Ion Ratio Lower Upper

168 100

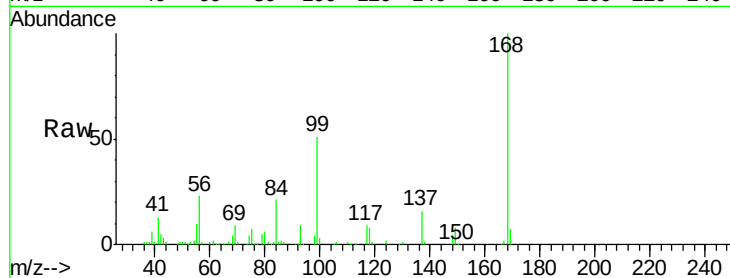
99 50.9 43.2 64.8

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.99

60000

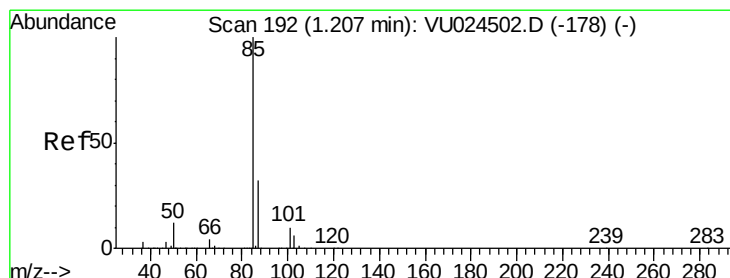
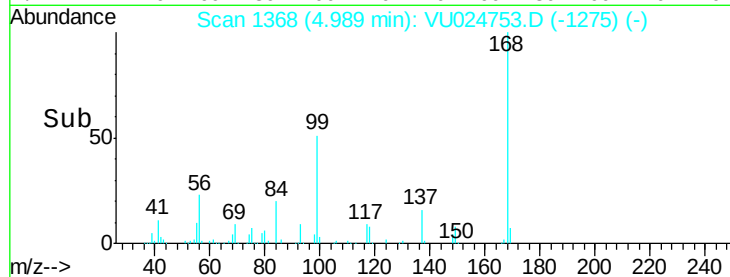
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 13.77 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024753.D

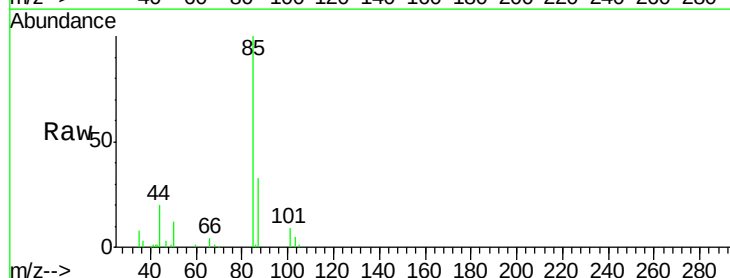
Acq: 20 Jun 2018 13:23

Tgt Ion: 85 Resp: 26603

Ion Ratio Lower Upper

85 100

87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.21

25000

20000

15000

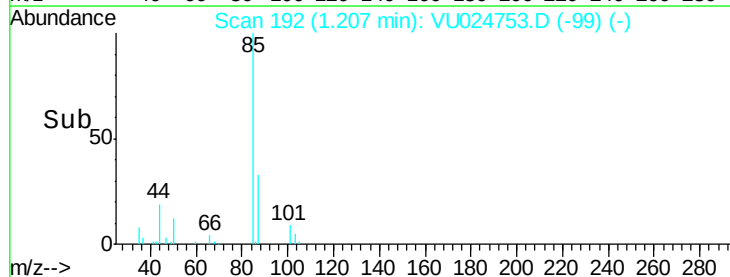
10000

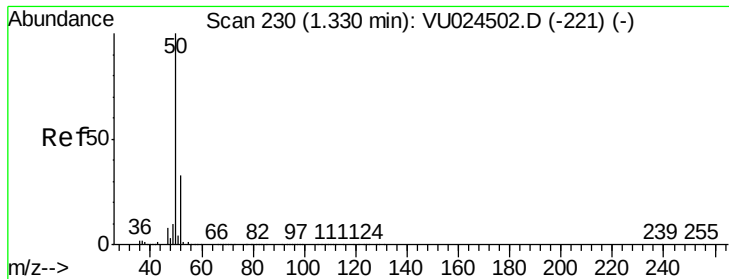
5000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 14.45 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 50 Resp: 28524

Ion Ratio Lower Upper

50 100

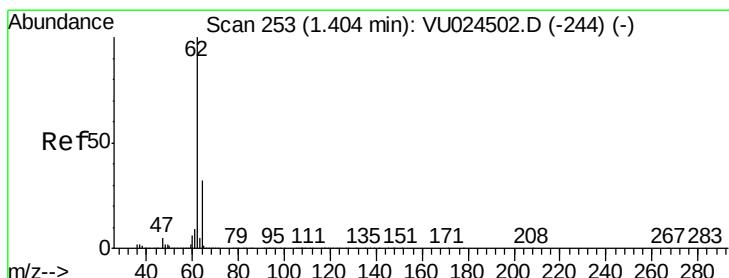
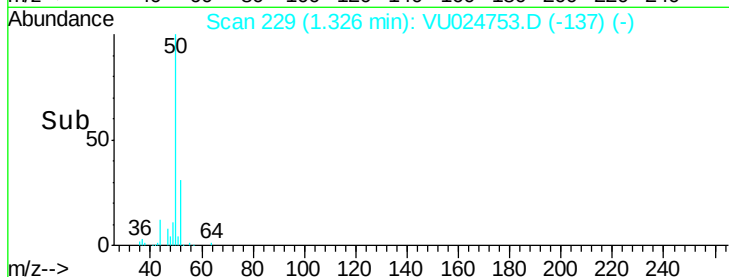
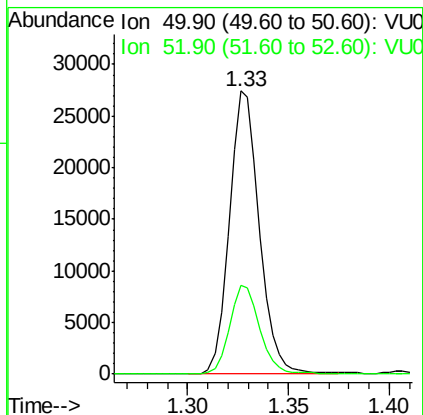
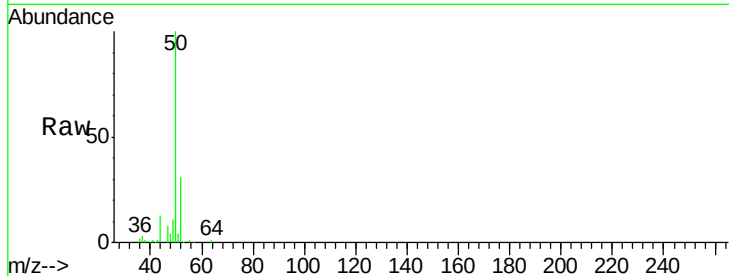
52 31.3 26.4 39.6

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#4

Vinyl Chloride

Concen: 14.42 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024753.D

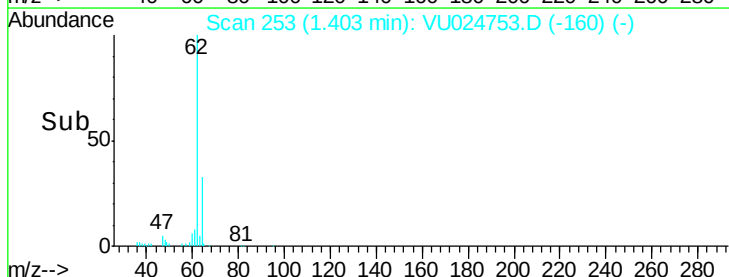
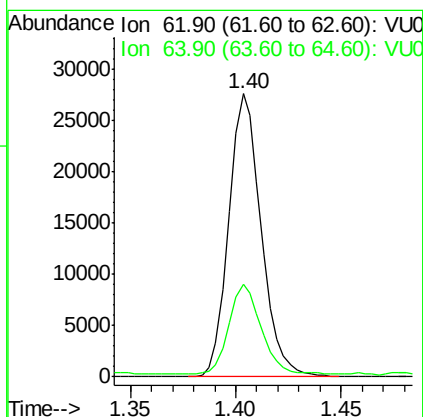
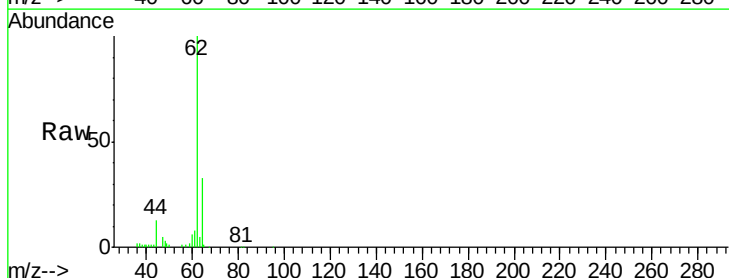
Acq: 20 Jun 2018 13:23

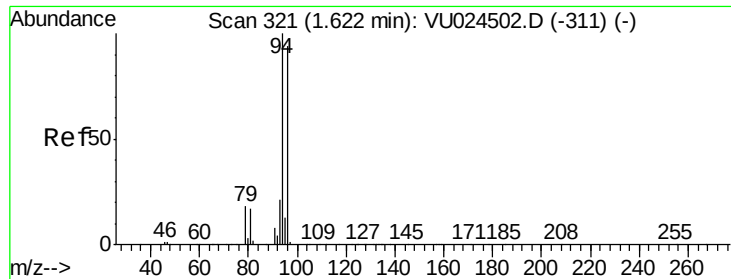
Tgt Ion: 62 Resp: 29356

Ion Ratio Lower Upper

62 100

64 31.5 24.8 37.2





#5

Bromomethane

Concen: 18.55 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 94 Resp: 18264

Ion Ratio Lower Upper

94 100

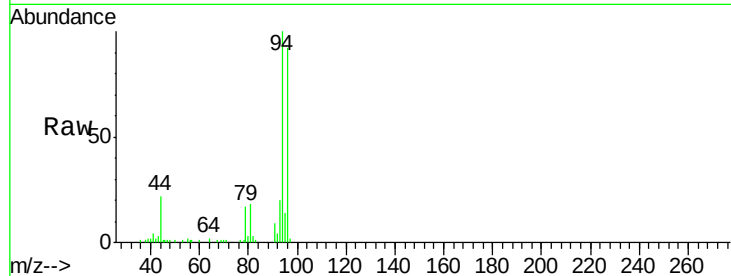
96 91.3 74.5 111.7

Manual Integrations

APPROVED

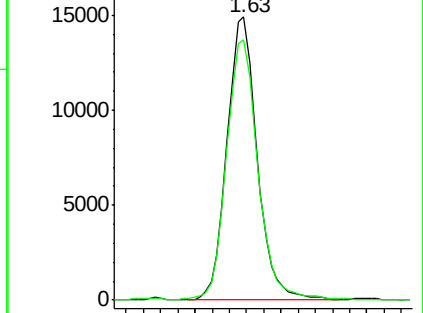
apatel

6/21/2018 1:44:37 PM

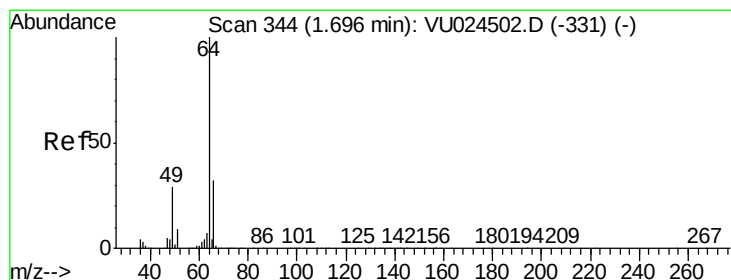
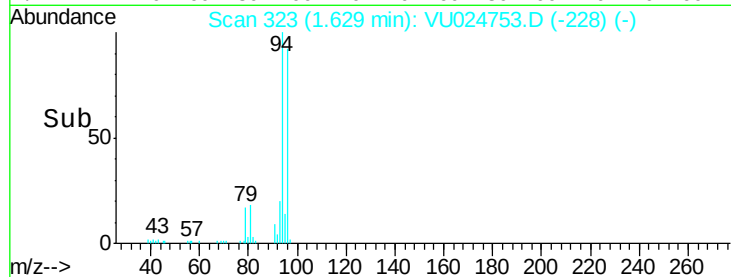


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 14.93 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024753.D

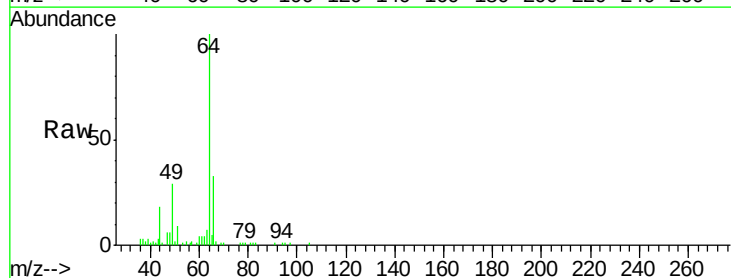
Acq: 20 Jun 2018 13:23

Tgt Ion: 64 Resp: 17824

Ion Ratio Lower Upper

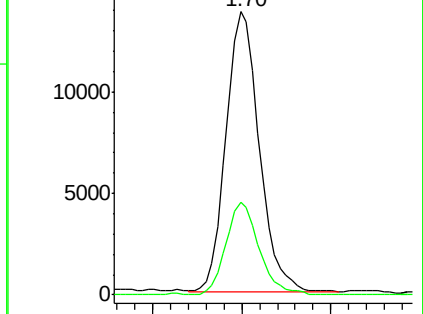
64 100

66 33.3 25.5 38.3

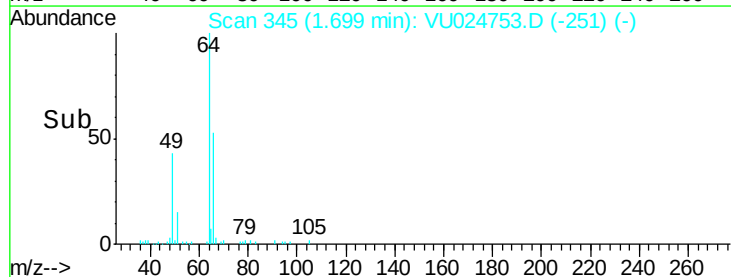


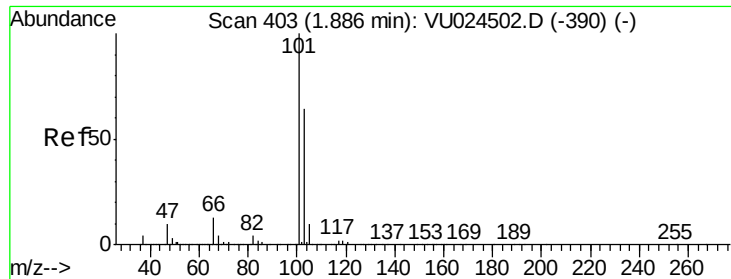
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#7

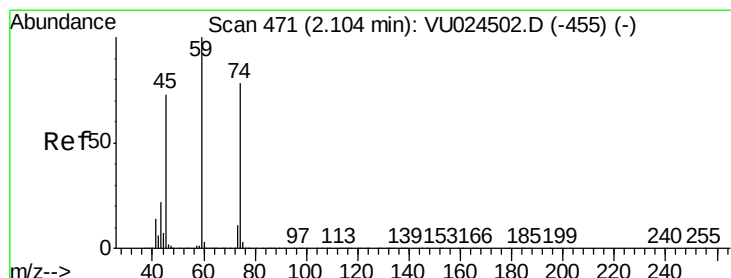
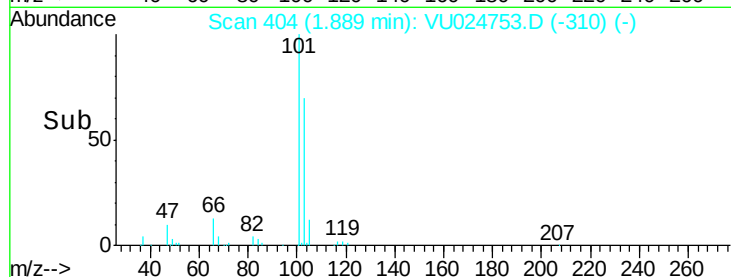
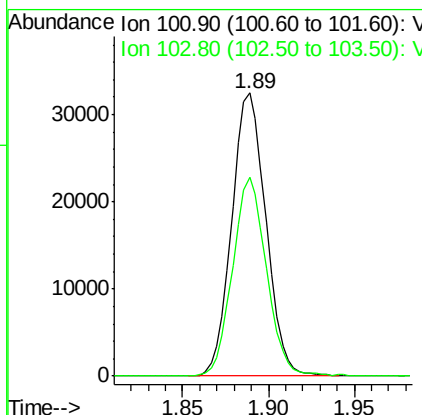
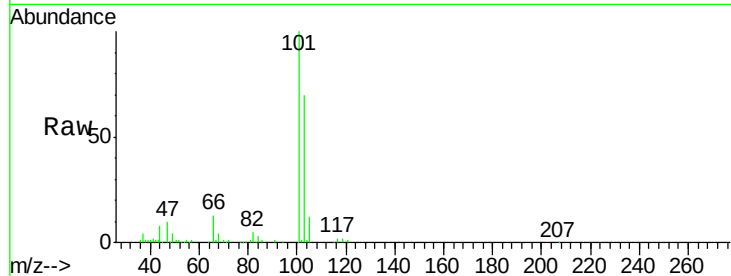
Trichlorofluoromethane
 Concen: 14.45 ug/l
 RT: 1.89 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.3	52.3	78.5

Manual Integrations
 APPROVED

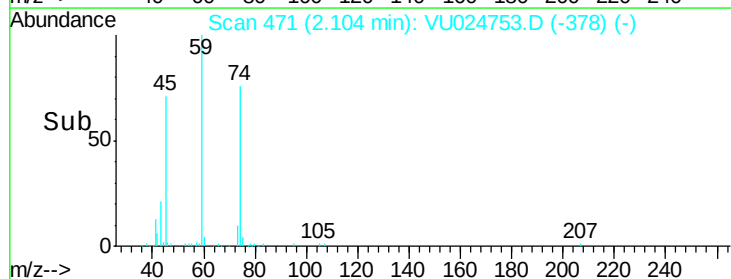
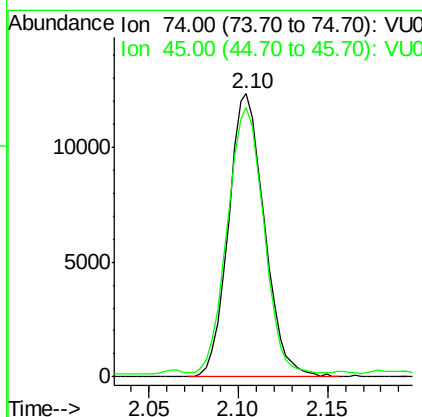
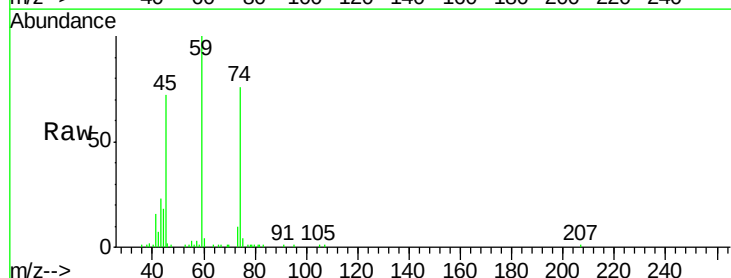
apatel
 6/21/2018 1:44:37 PM

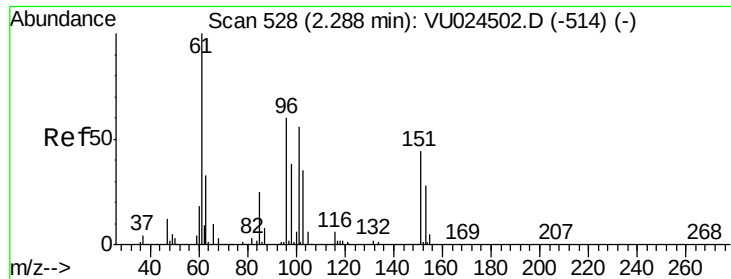


#8

Diethyl Ether
 Concen: 14.89 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. 0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.90 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

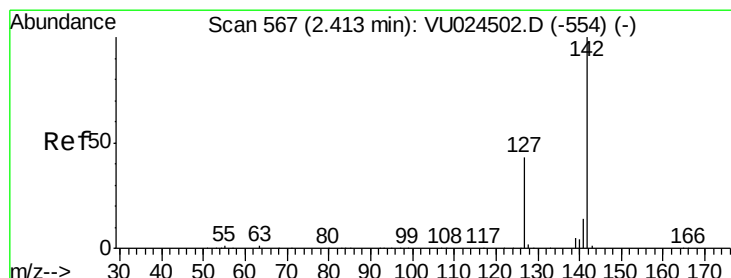
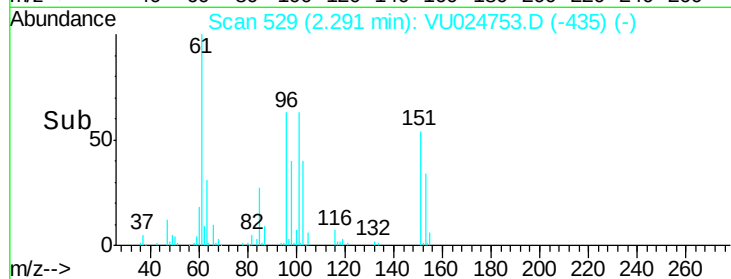
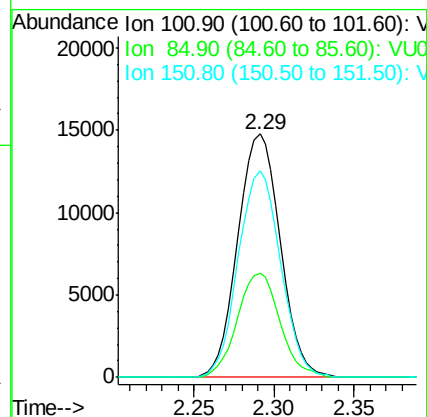
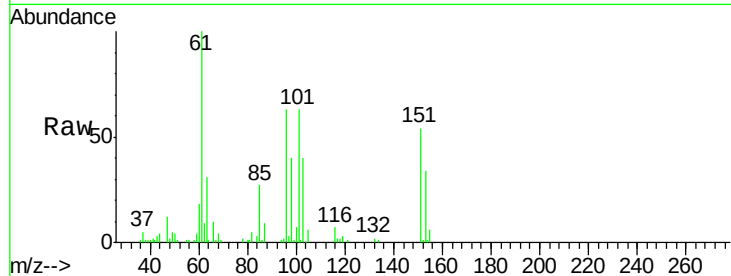
ClientSampleId :

VU0620WBSD01

Tot Ion:	101	Resp:	26805
Ion Ratio	Lower	Upper	
101	100		
85	42.9	36.0	54.0
151	84.6	62.3	93.5

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#10

Methyl Iodide

Concen: 16.52 ug/l

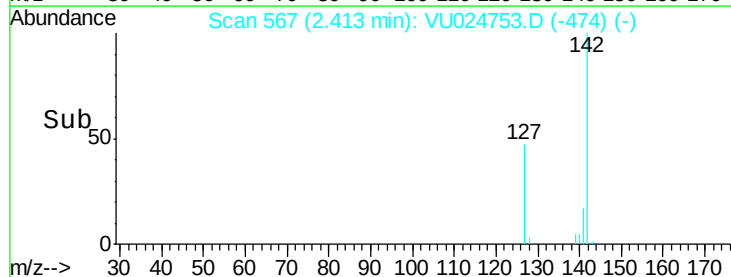
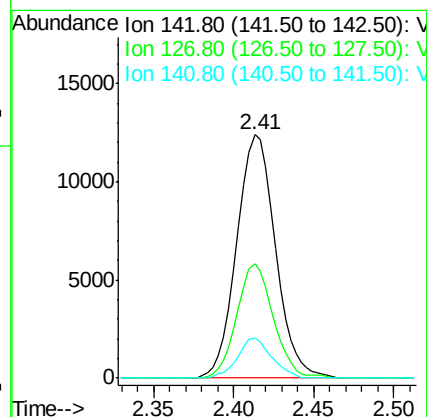
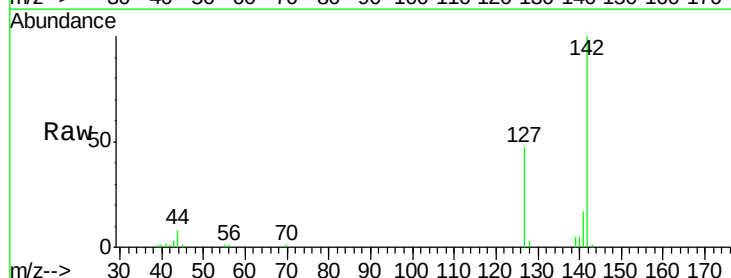
RT: 2.41 min Scan# 567

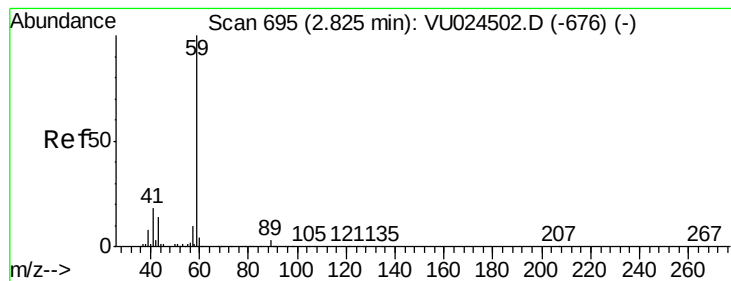
Delta R.T. 0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion:	142	Resp:	20491
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.6	53.4
141	14.6	11.7	17.5





#11

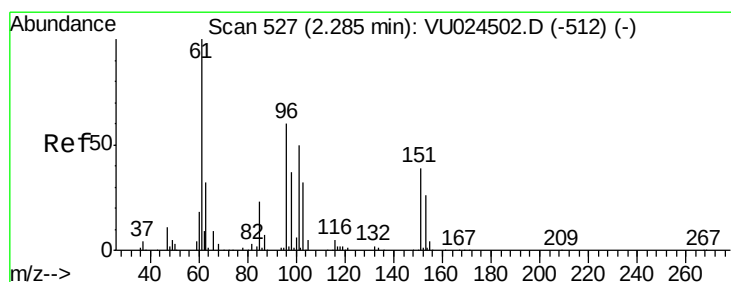
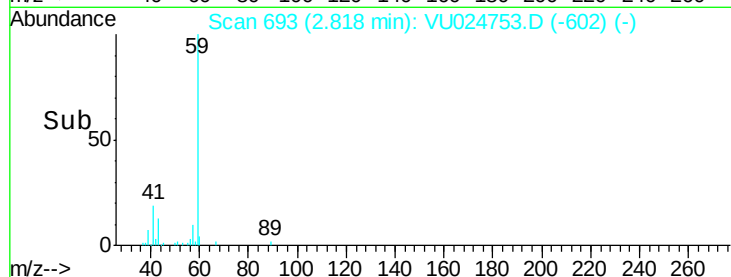
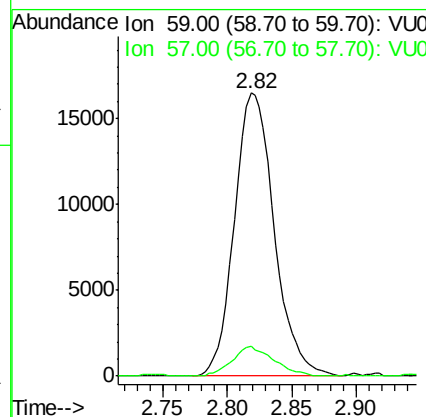
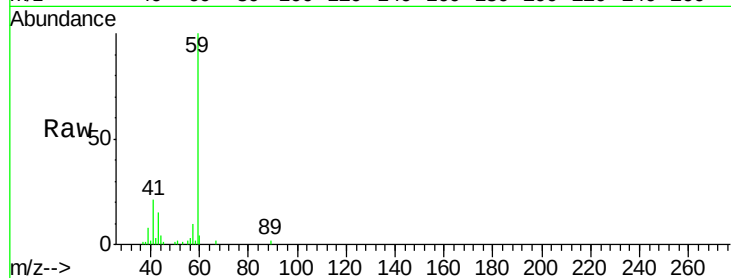
Tert butyl alcohol
 Concen: 57.64 ug/l
 RT: 2.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.5	12.7

Manual Integrations
 APPROVED

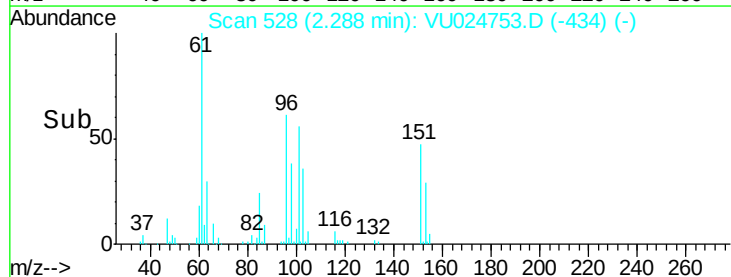
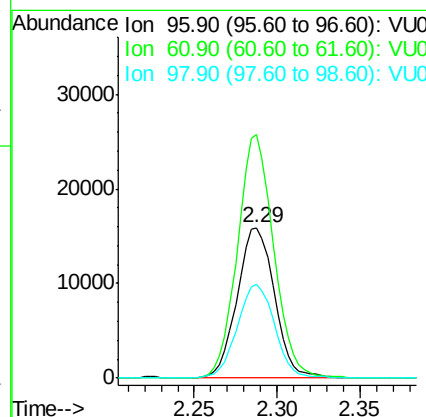
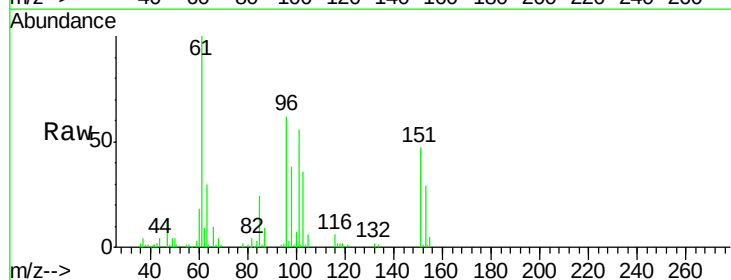
apatel
 6/21/2018 1:44:37 PM

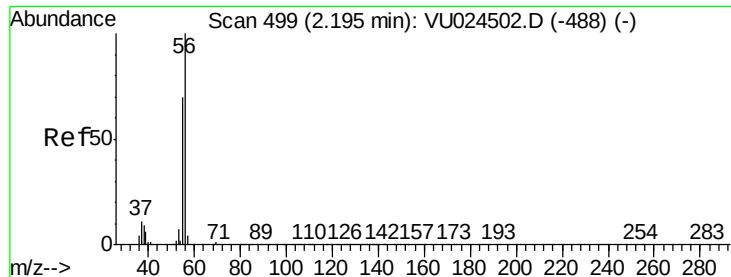


#12

1,1-Dichloroethene
 Concen: 14.19 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.5	141.7	212.5
98	61.9	51.6	77.4





#13

Acrolein

Concen: 67.50 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 56 Resp: 21729

Ion Ratio Lower Upper

56 100

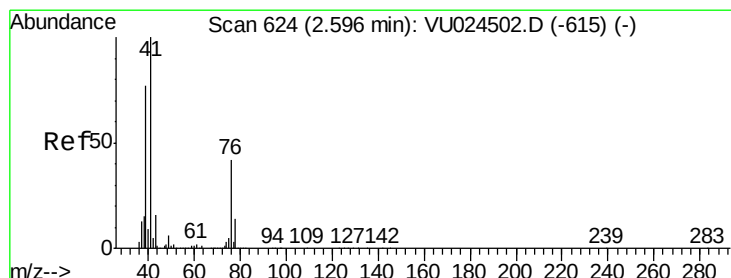
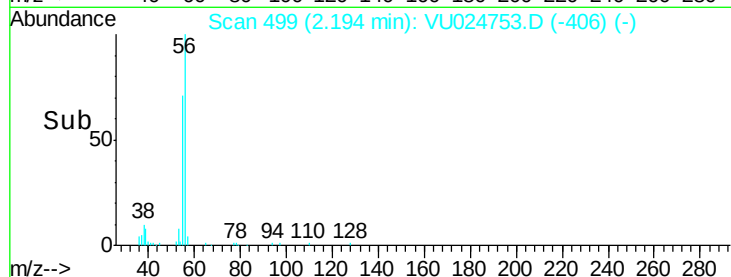
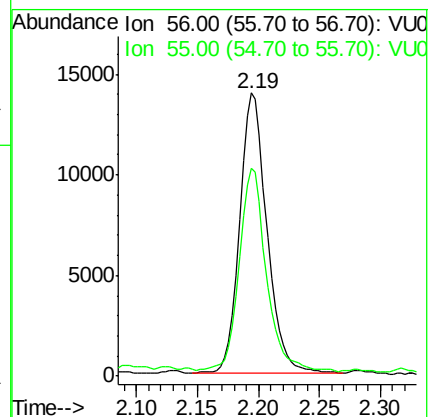
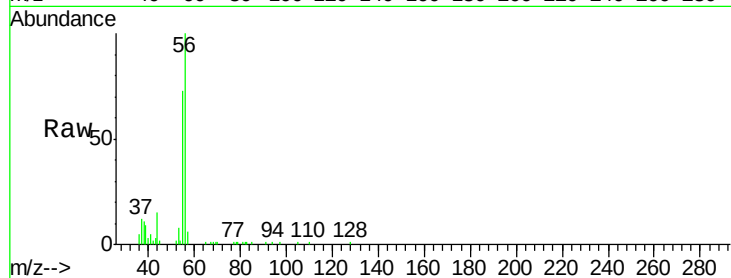
55 71.8 58.4 87.6

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#14

Allyl chloride

Concen: 12.97 ug/l

RT: 2.60 min Scan# 624

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

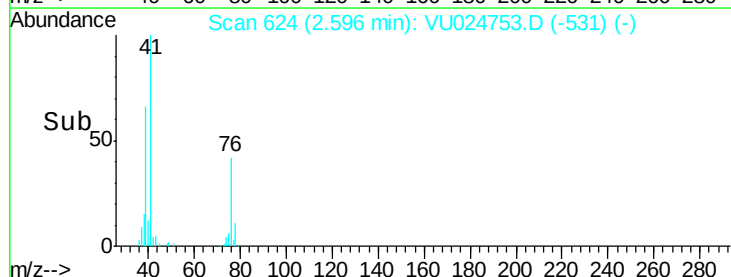
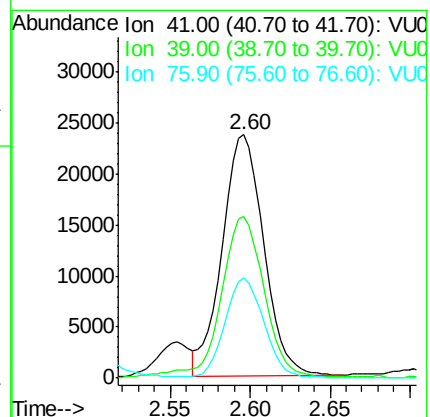
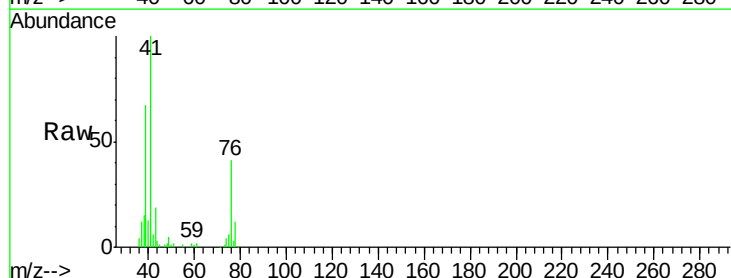
Tgt Ion: 41 Resp: 42334

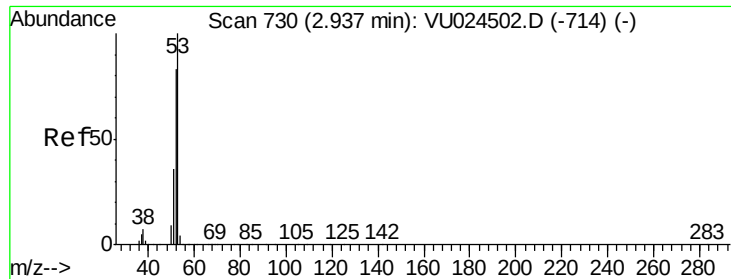
Ion Ratio Lower Upper

41 100

39 69.8 61.6 92.4

76 39.0 29.7 44.5





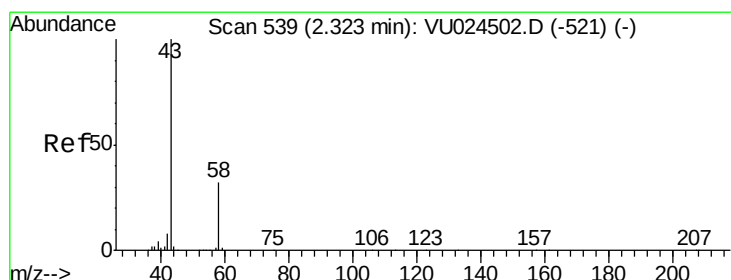
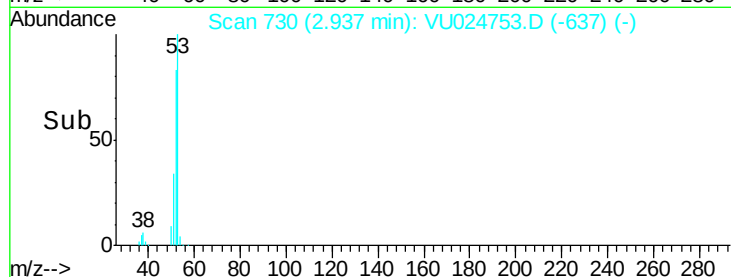
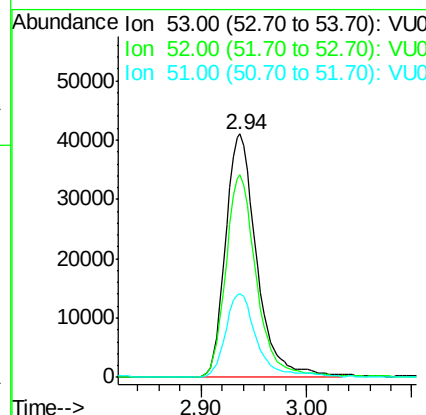
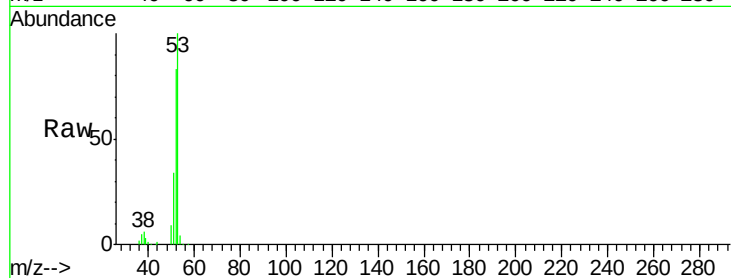
#15
 Acrylonitrile
 Concen: 70.45 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.2	67.1	100.7
51	34.8	28.4	42.6

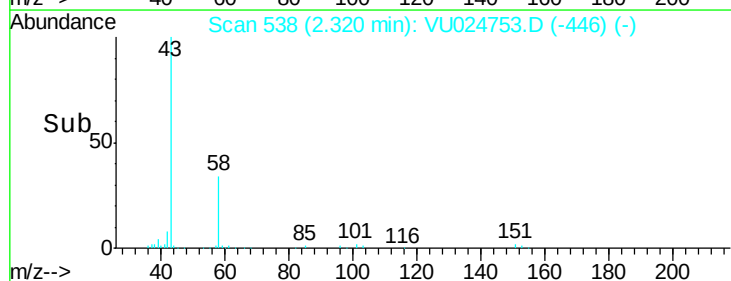
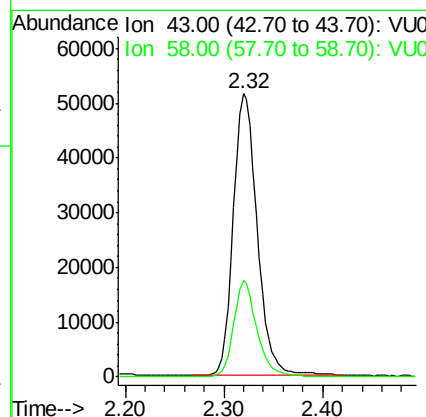
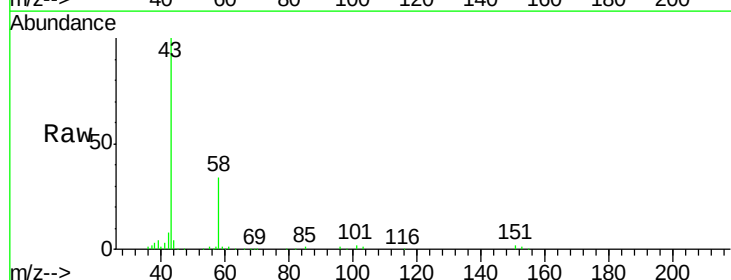
Manual Integrations
 APPROVED

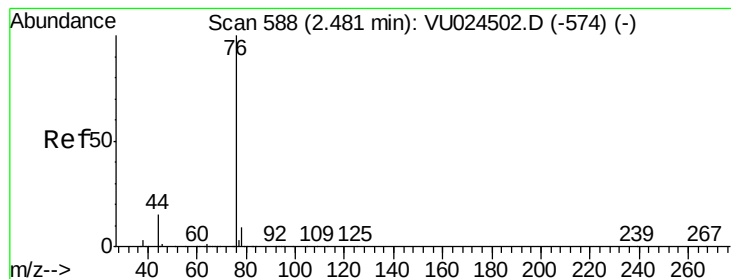
apatel
 6/21/2018 1:44:37 PM



#16
 Acetone
 Concen: 64.14 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	24.4	36.6





#17

Carbon Disulfide

Concen: 13.32 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 76 Resp: 74973

Ion Ratio Lower Upper

76 100

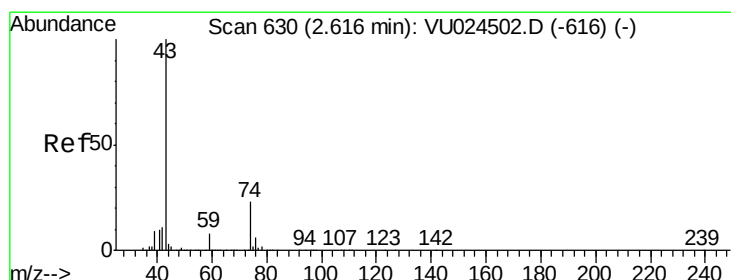
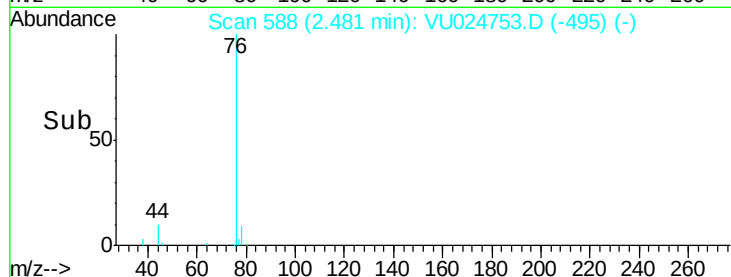
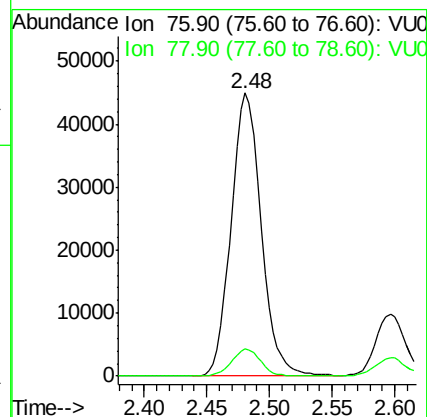
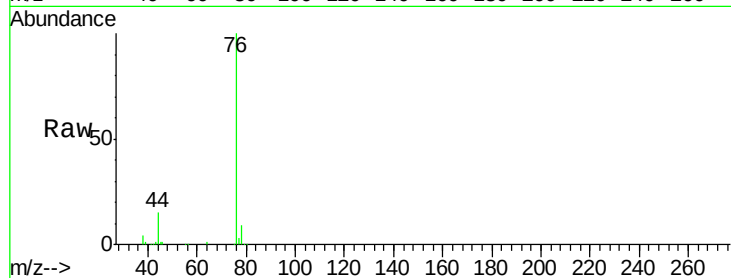
78 9.5 7.1 10.7

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#18

Methyl Acetate

Concen: 14.13 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024753.D

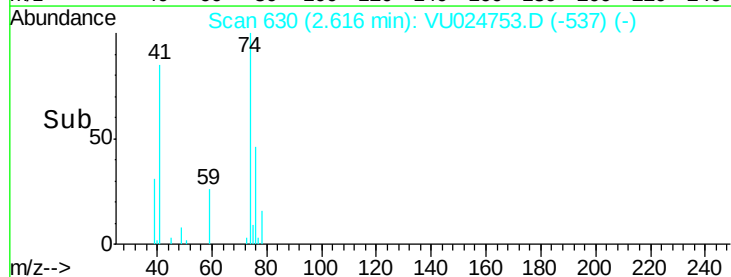
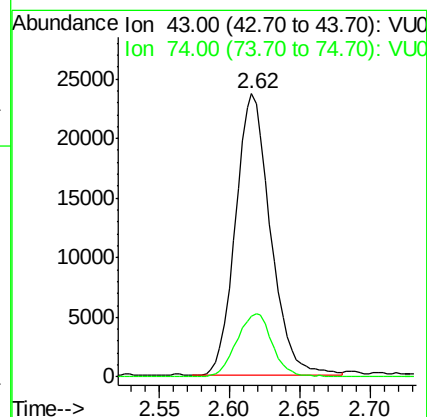
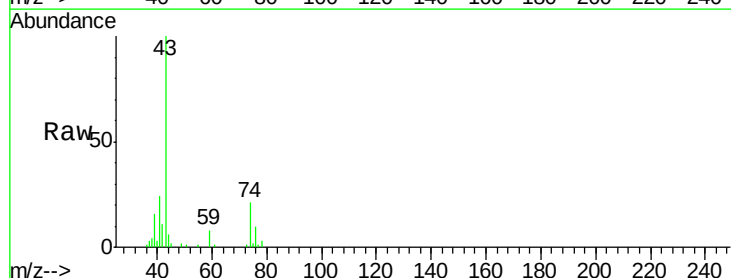
Acq: 20 Jun 2018 13:23

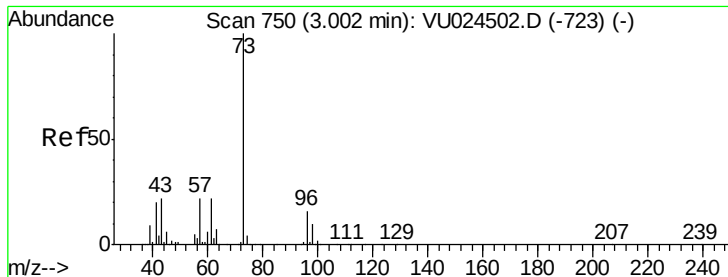
Tgt Ion: 43 Resp: 41025

Ion Ratio Lower Upper

43 100

74 22.8 18.0 27.0





#19

Methyl tert-butyl Ether

Concen: 13.64 ug/l

RT: 3.00 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 73 Resp: 90136

Ion Ratio Lower Upper

73 100

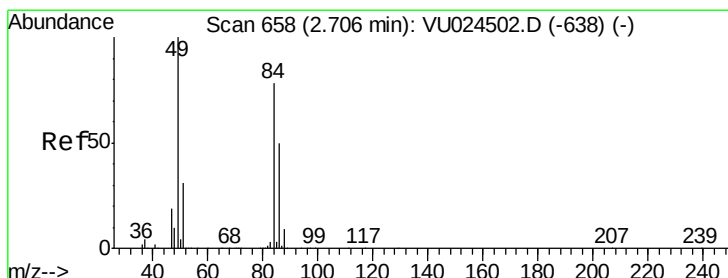
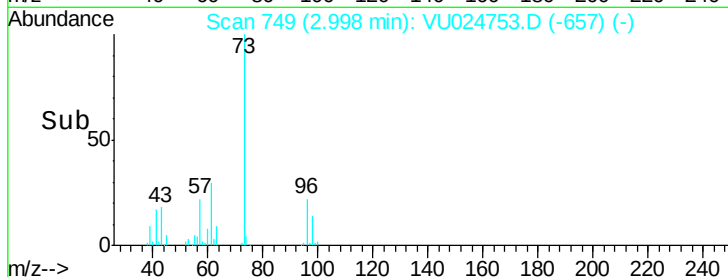
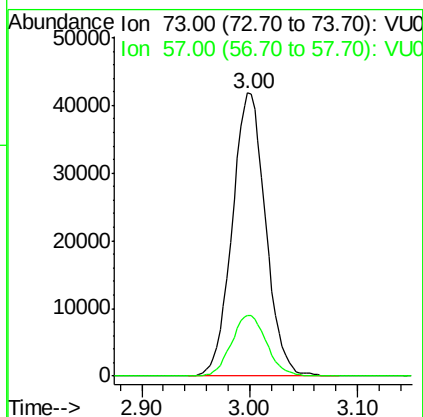
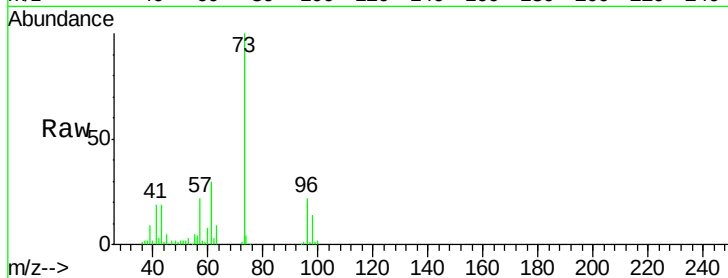
57 21.6 18.8 28.2

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#20

Methylene Chloride

Concen: 14.23 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion: 84 Resp: 30229

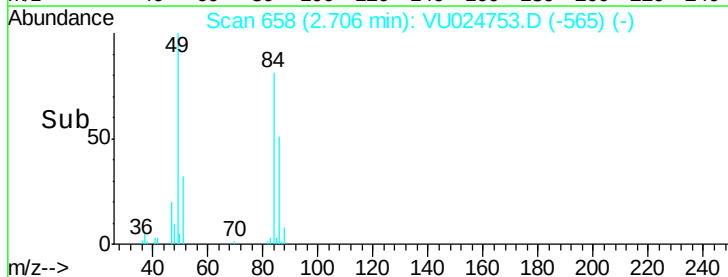
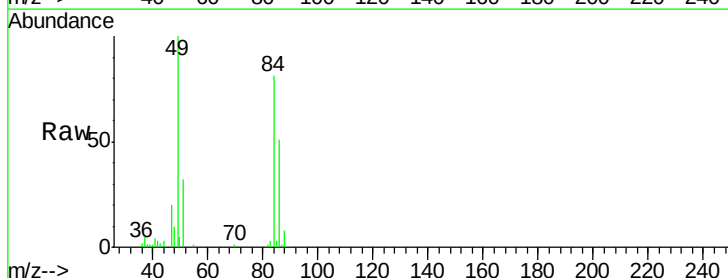
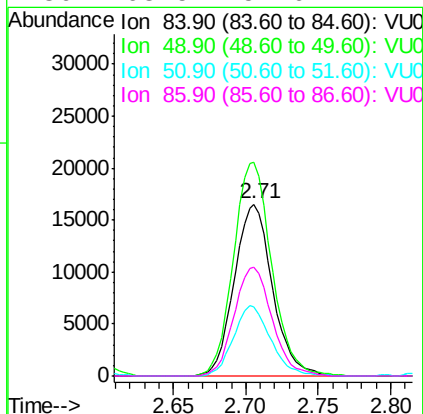
Ion Ratio Lower Upper

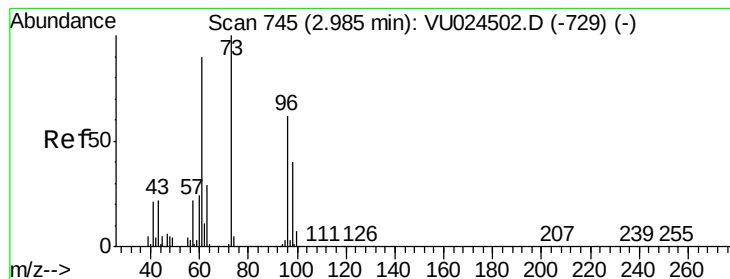
84 100

49 124.0 103.8 155.8

51 40.3 32.0 48.0

86 63.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 13.92 ug/l

RT: 2.99 min Scan# 745

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

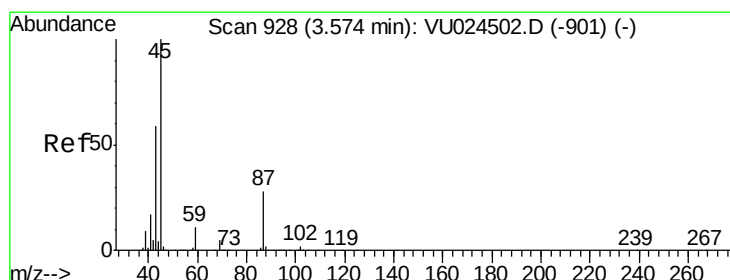
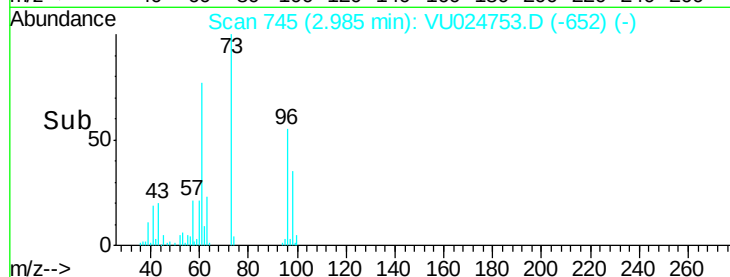
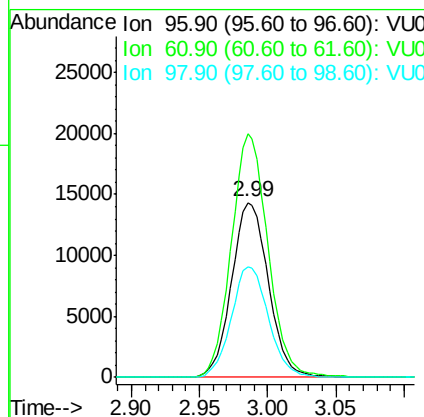
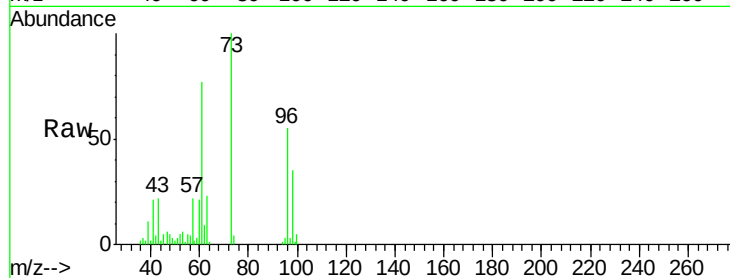
ClientSampleId :

VU0620WBSD01

Tot Ion:	96	Resp:	26949
Ion	Ratio	Lower	Upper
96	100		
61	139.5	119.4	179.0
98	63.6	51.1	76.7

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#22

Diisopropyl ether

Concen: 13.86 ug/l

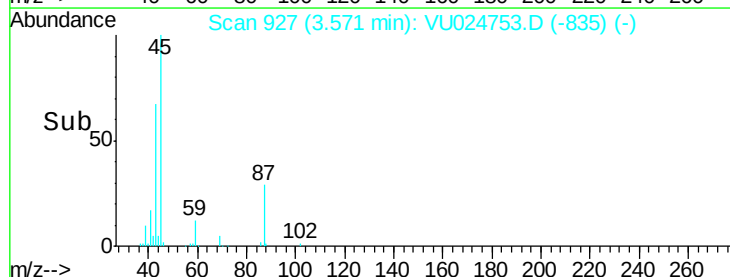
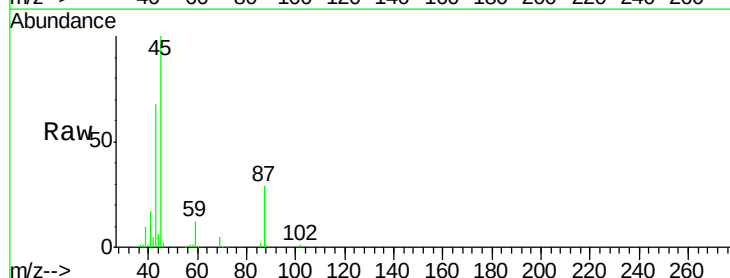
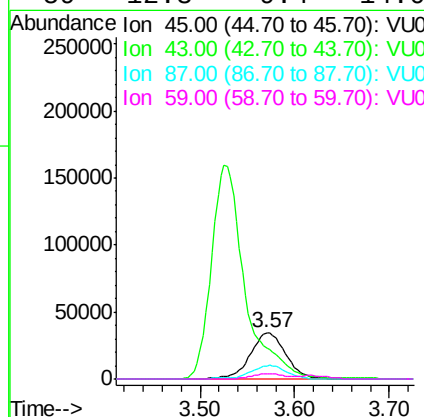
RT: 3.57 min Scan# 927

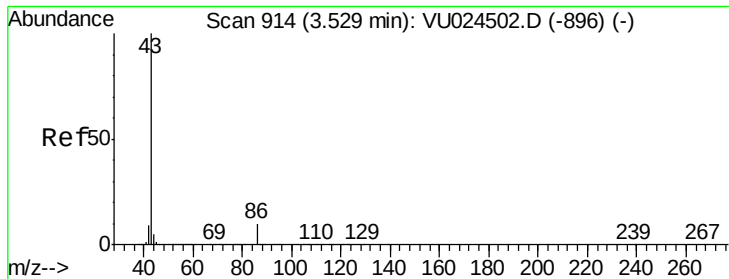
Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion:	45	Resp:	89667
Ion	Ratio	Lower	Upper
45	100		
43	65.1	45.8	68.6
87	29.0	20.6	31.0
59	12.3	9.4	14.0





#23

Vinyl Acetate

Concen: 68.04 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampled :

VU0620WBSD01

Tot Ion: 43 Resp: 394405

Ion Ratio Lower Upper

43 100

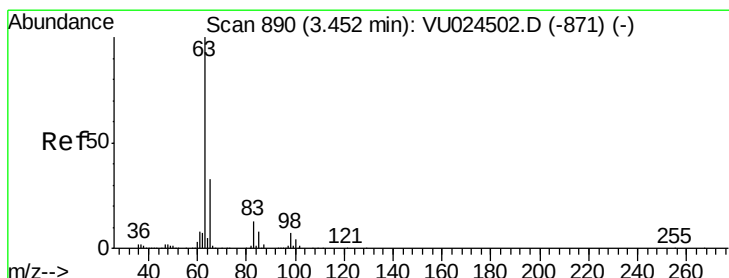
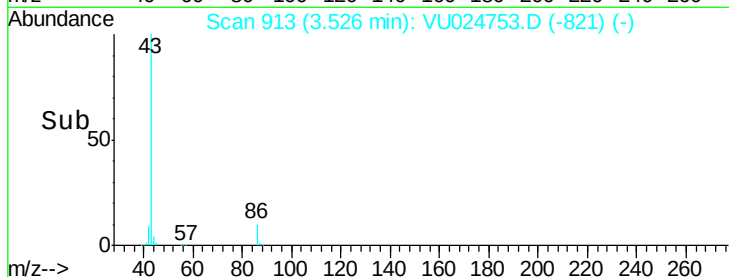
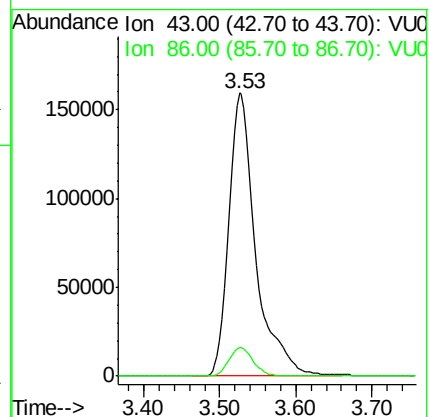
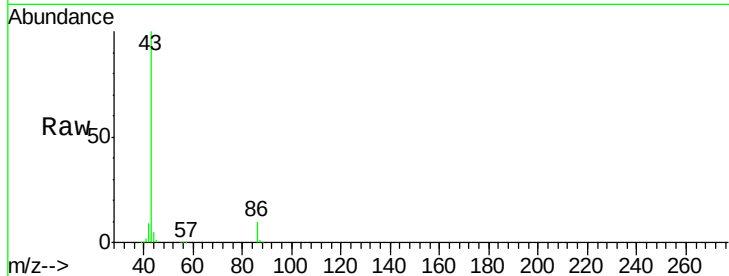
86 10.1 7.8 11.8

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#24

1,1-Dichloroethane

Concen: 13.70 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

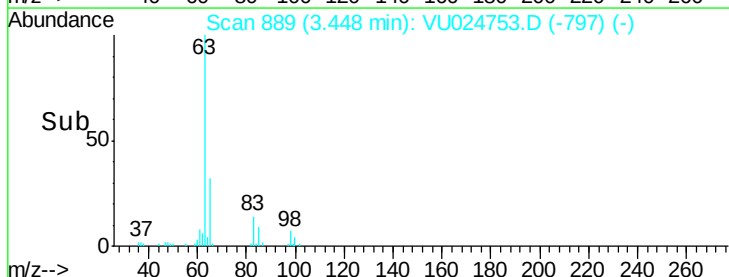
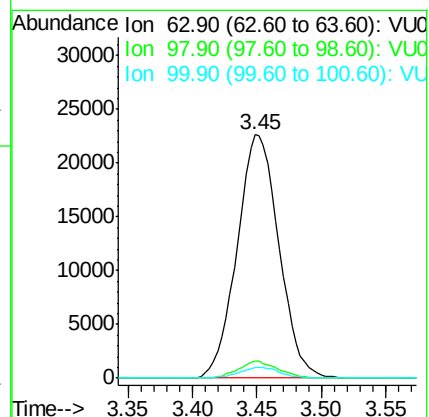
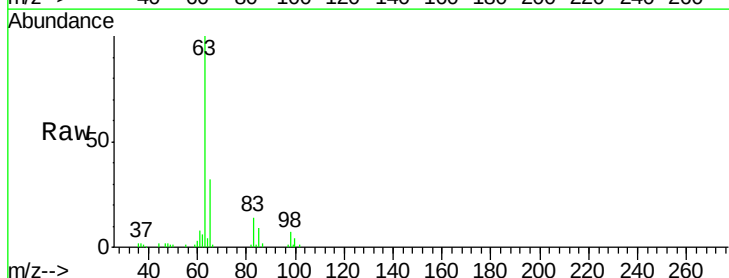
Tgt Ion: 63 Resp: 51005

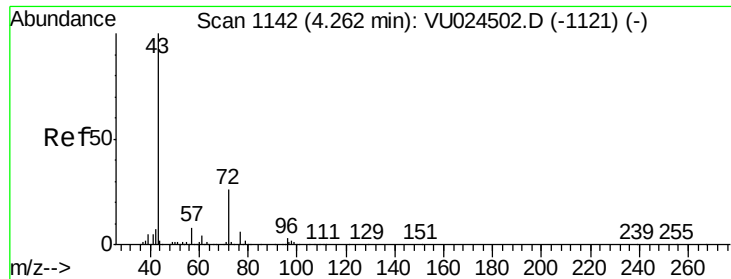
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 66.57 ug/l

RT: 4.26 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 43 Resp: 121097

Ion Ratio Lower Upper

43 100

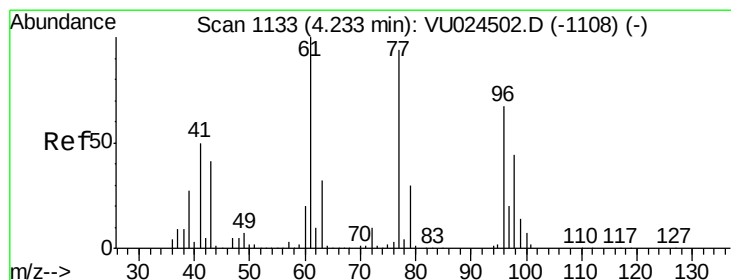
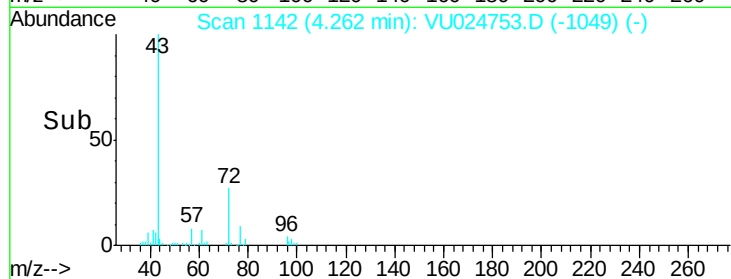
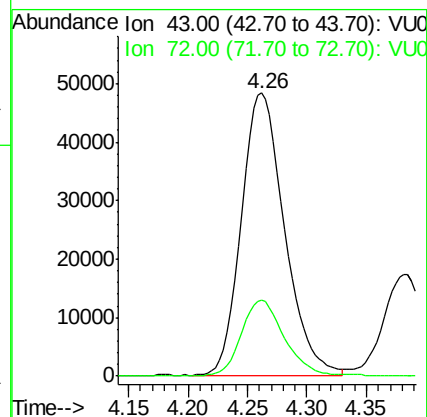
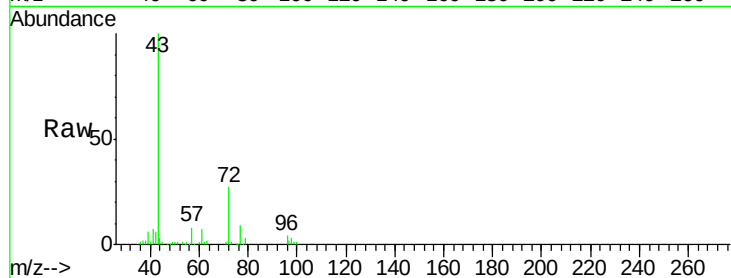
72 27.1 19.6 29.4

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#26

2,2-Dichloropropane

Concen: 13.16 ug/l

RT: 4.23 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VU024753.D

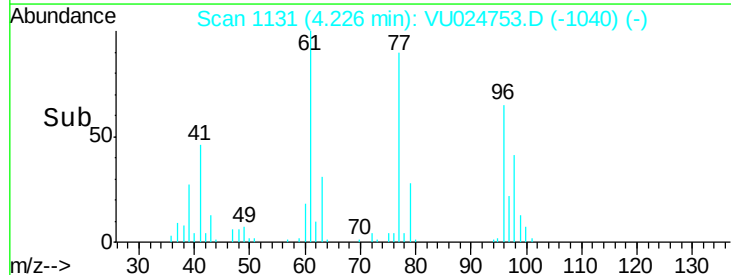
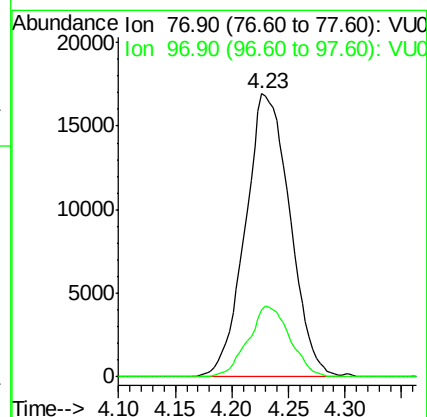
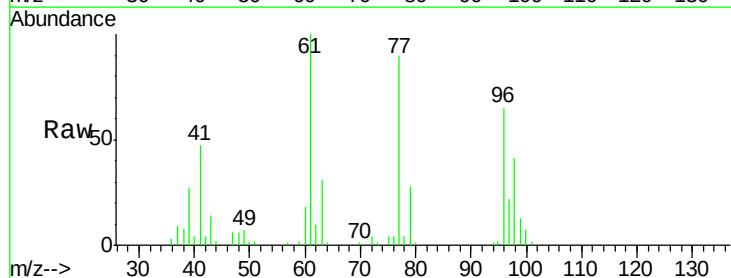
Acq: 20 Jun 2018 13:23

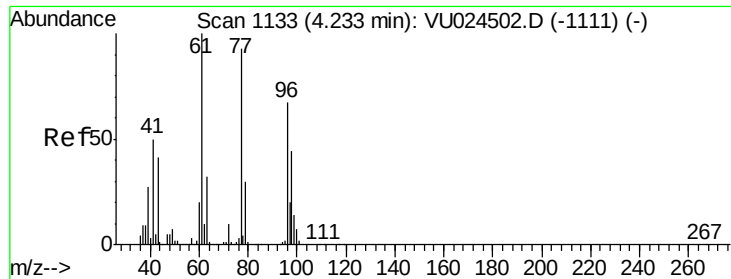
Tgt Ion: 77 Resp: 46529

Ion Ratio Lower Upper

77 100

97 23.3 11.3 33.8





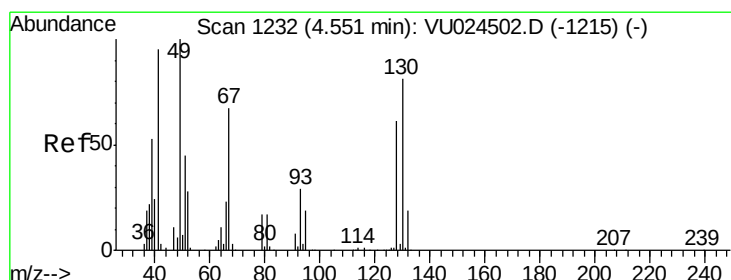
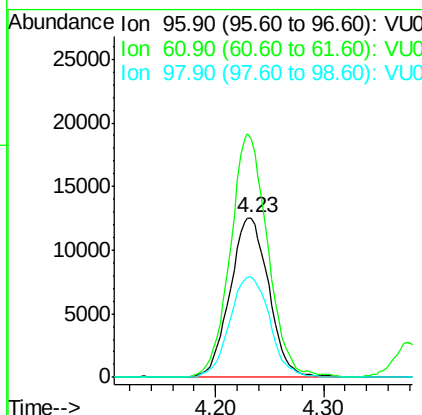
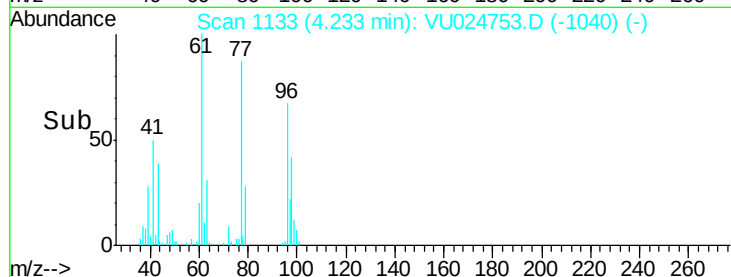
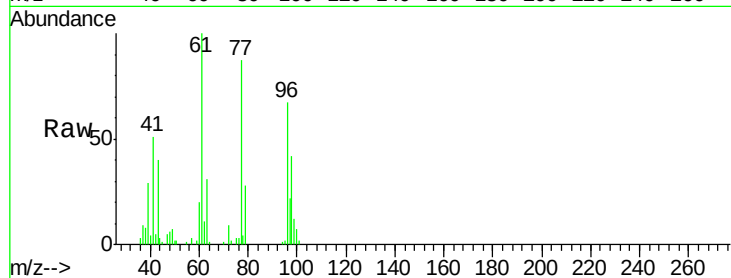
#27
 cis-1,2-Dichloroethene
 Concen: 14.07 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampled :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	306.6
98	65.0	0.0	128.8

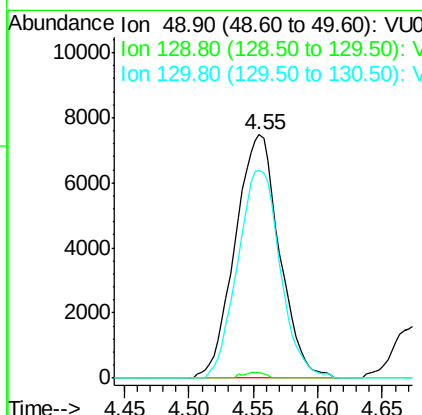
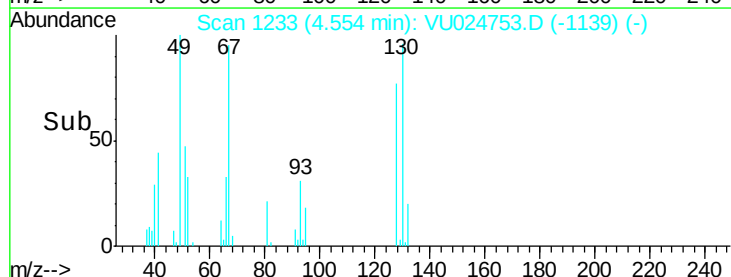
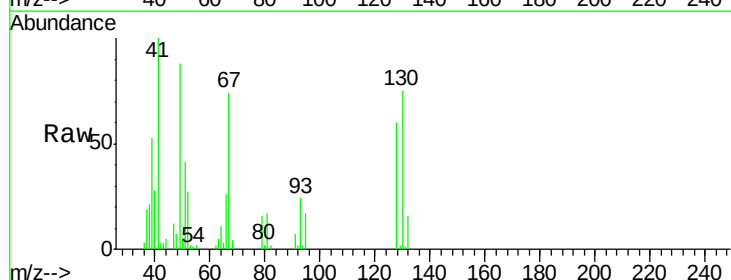
Manual Integrations
 APPROVED

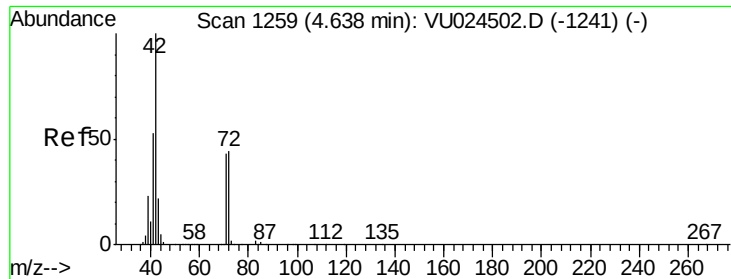
apatel
 6/21/2018 1:44:37 PM



#28
 Bromochloromethane
 Concen: 10.90 ug/l
 RT: 4.55 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	82.3	57.8	86.6





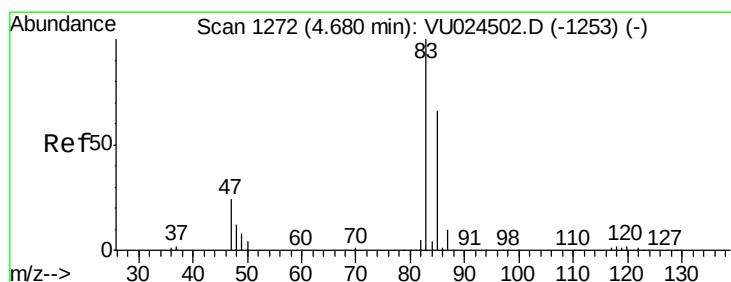
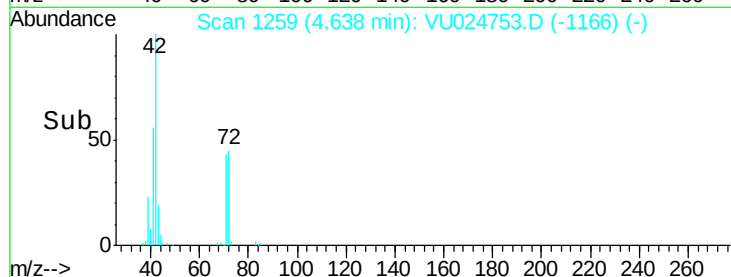
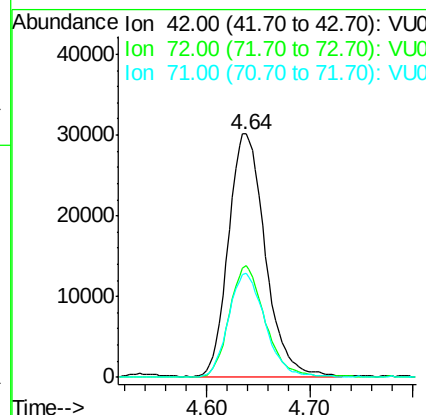
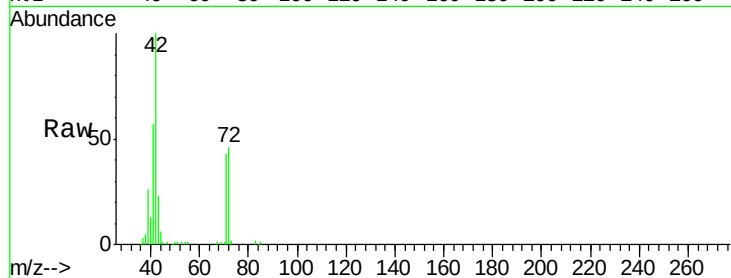
#29
Tetrahydrofuran
Concen: 66.05 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	34.5	51.7
71	43.0	32.2	48.4

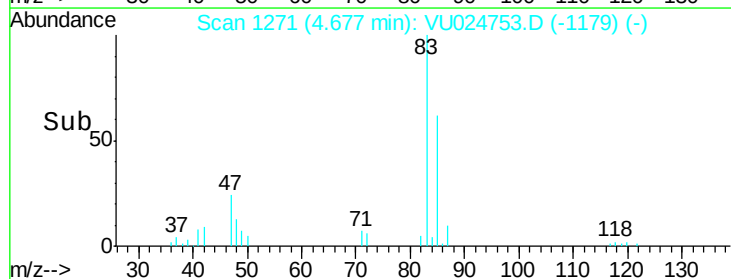
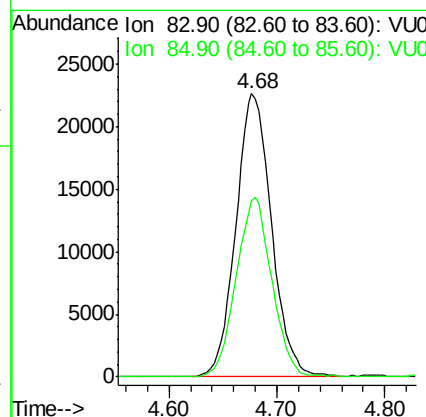
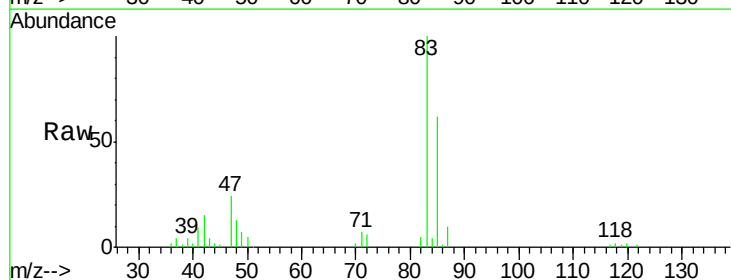
Manual Integrations
APPROVED

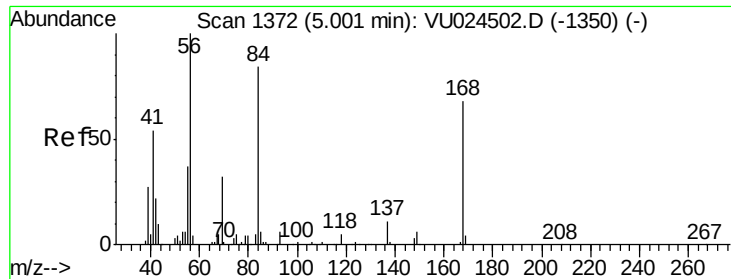
apatel
6/21/2018 1:44:37 PM



#30
Chloroform
Concen: 13.80 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.4	78.6





#31

Cyclohexane

Concen: 13.60 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

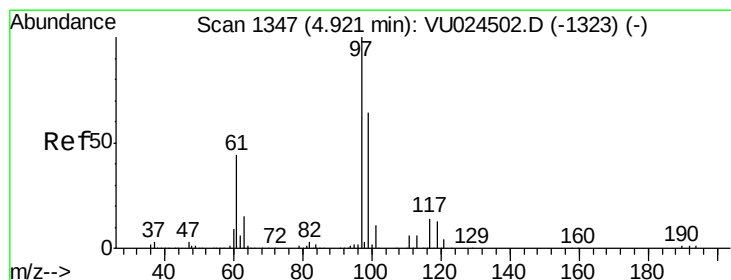
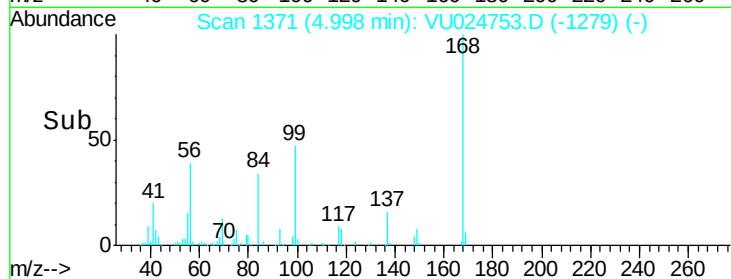
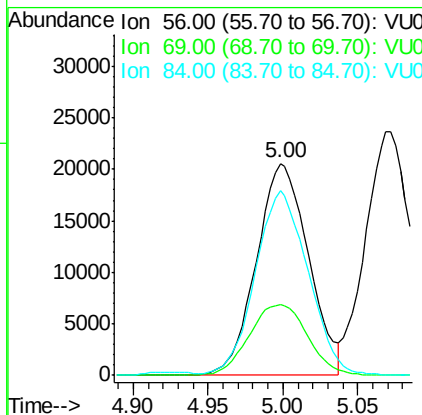
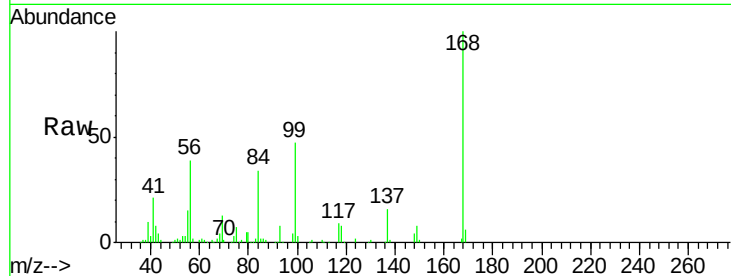
ClientSampleId :

VU0620WBSD01

Tot Ion:	56	Resp:	49704
Ion Ratio	Lower	Upper	
56	100		
69	33.7	24.8	37.2
84	86.4	65.2	97.8

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#32

1,1,1-Trichloroethane

Concen: 13.16 ug/l

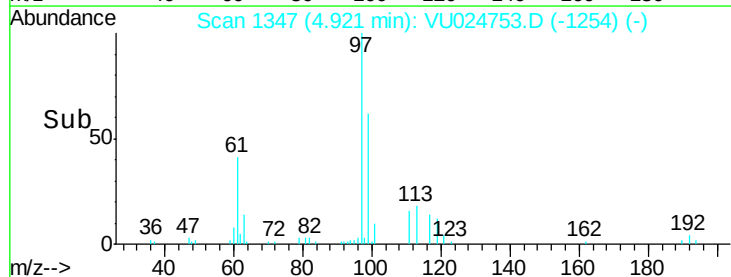
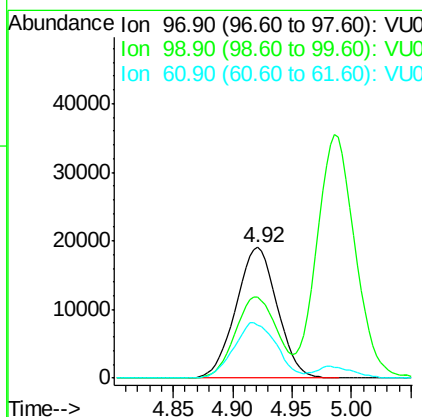
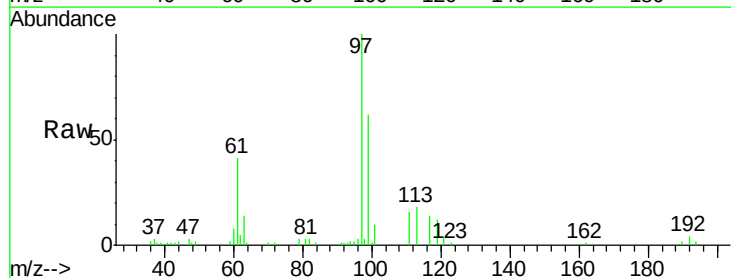
RT: 4.92 min Scan# 1347

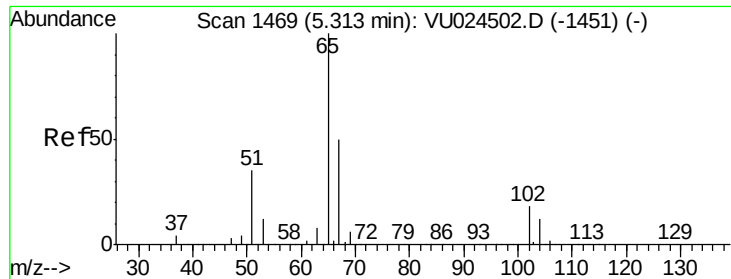
Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion:	97	Resp:	45847
Ion Ratio	Lower	Upper	
97	100		
99	62.8	51.0	76.6
61	43.8	39.4	59.0





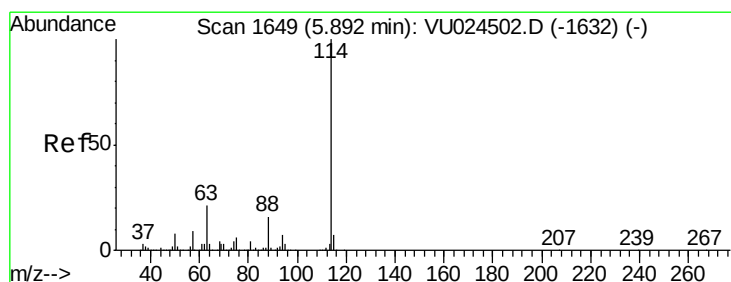
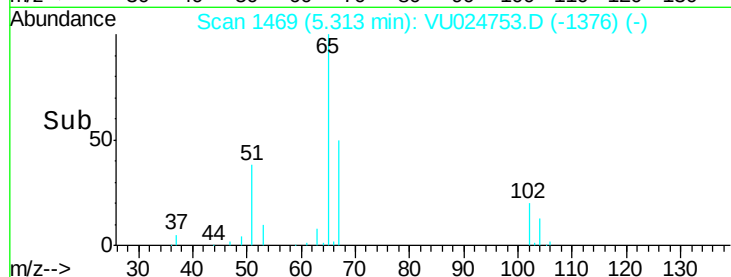
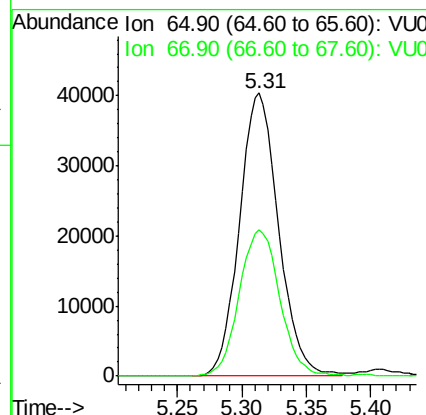
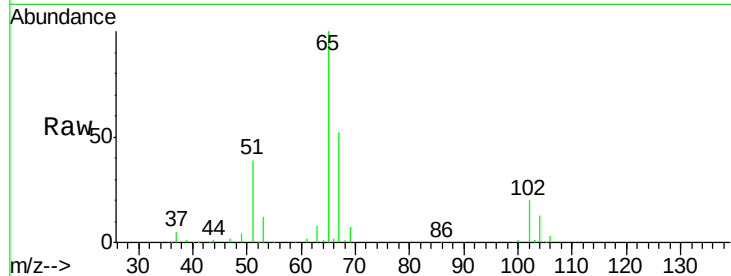
#33
 1,2-Dichloroethane-d4
 Concen: 33.73 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.8	0.0	107.0

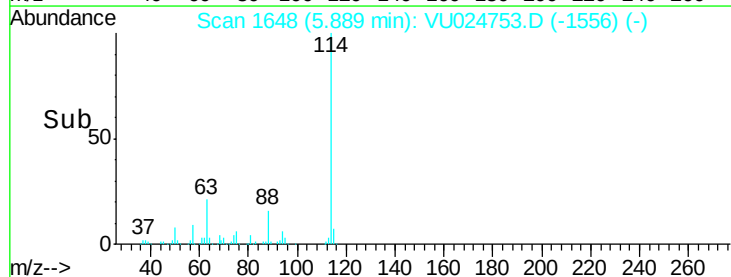
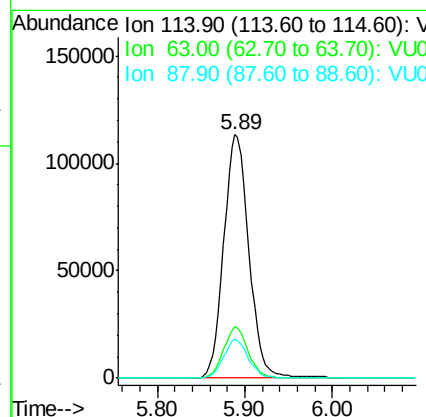
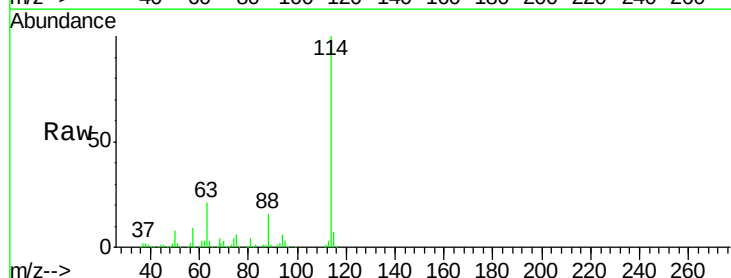
Manual Integrations
 APPROVED

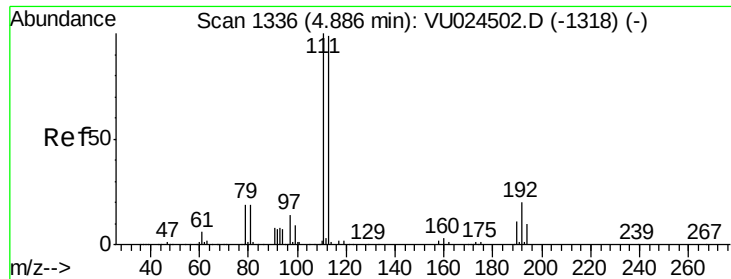
apatel
 6/21/2018 1:44:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.4
88	16.0	0.0	31.0





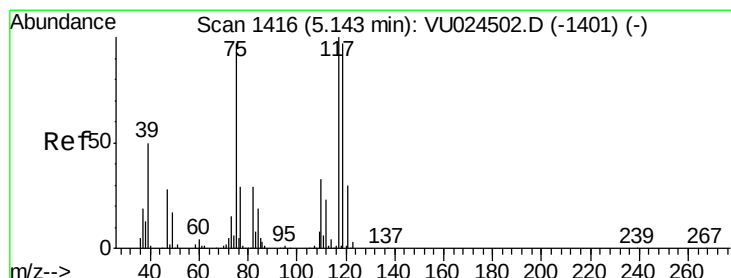
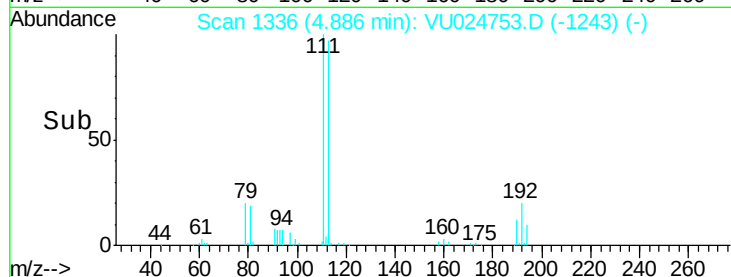
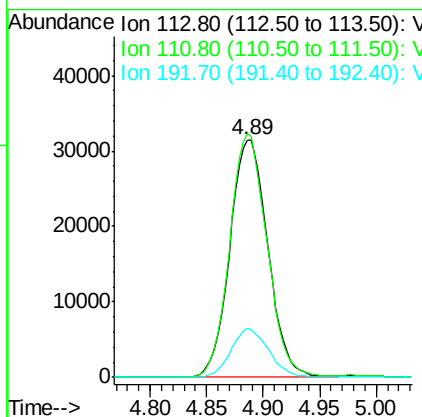
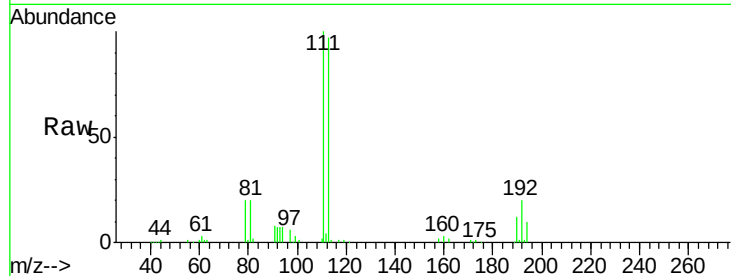
#35
 Dibromofluoromethane
 Concen: 39.14 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.2	123.4
192	20.3	16.2	24.4

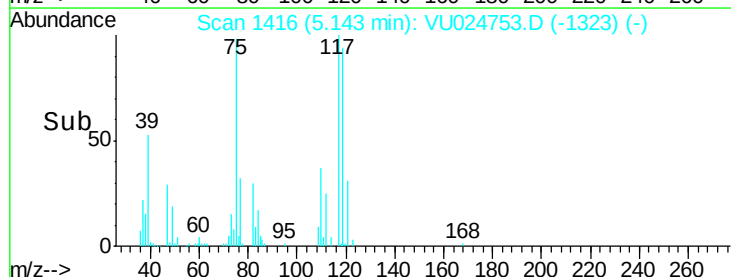
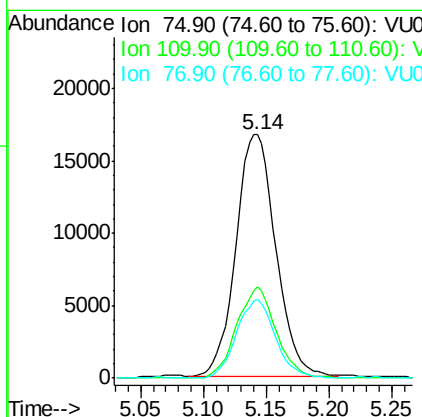
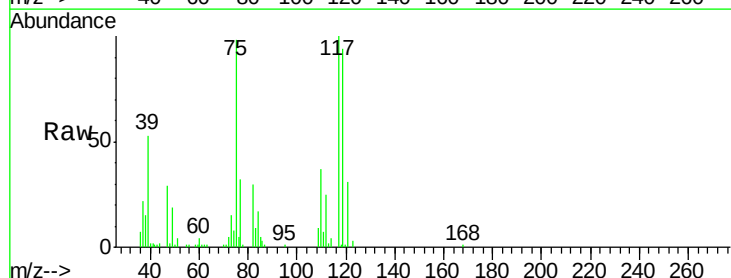
Manual Integrations
 APPROVED

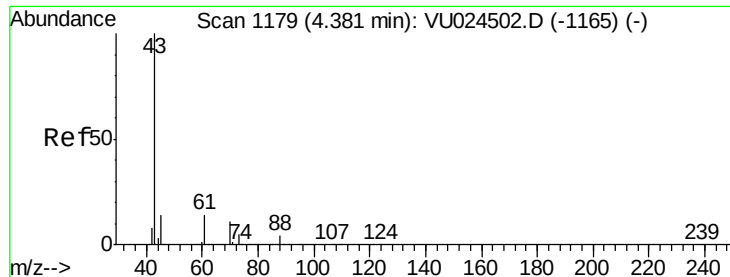
apatel
 6/21/2018 1:44:37 PM



#36
 1,1-Dichloropropene
 Concen: 13.82 ug/l
 RT: 5.14 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	17.0	50.9
77	31.7	24.2	36.4





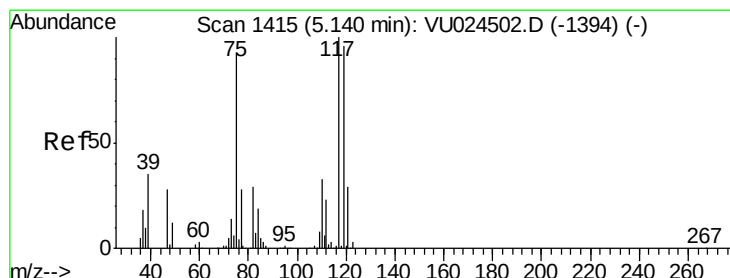
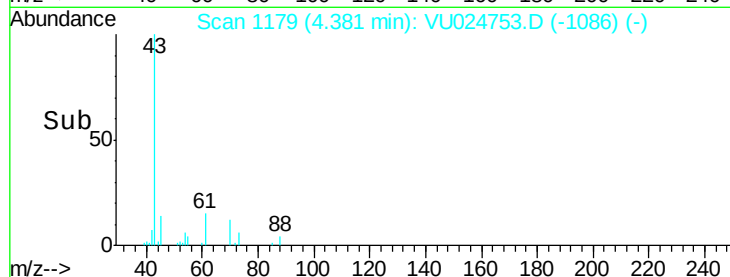
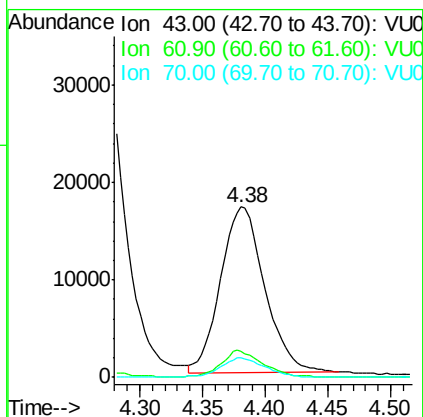
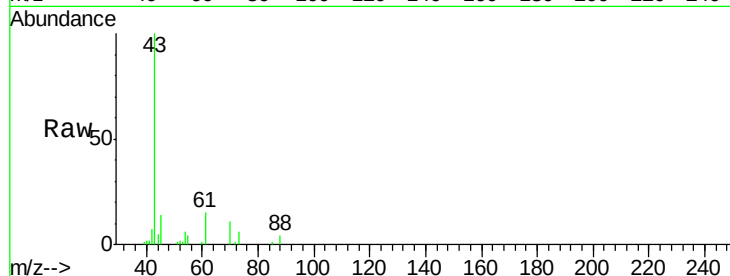
#37
Ethyl Acetate
Concen: 14.39 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.5	15.7
70	11.6	7.4	11.2

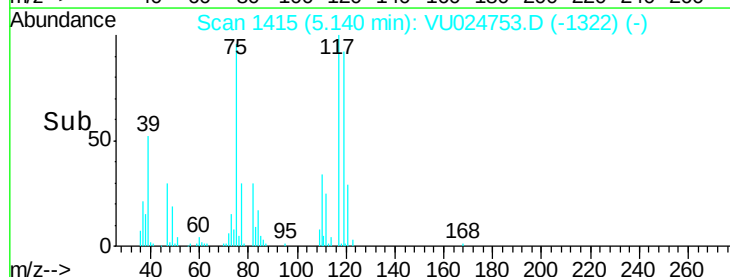
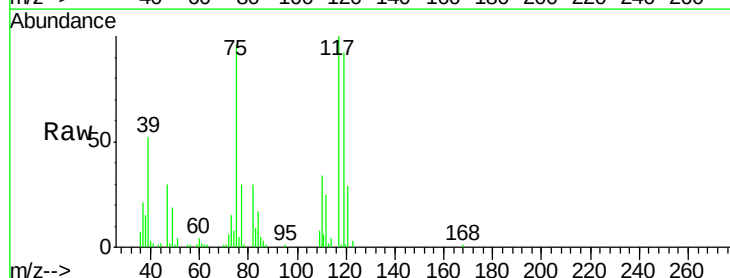
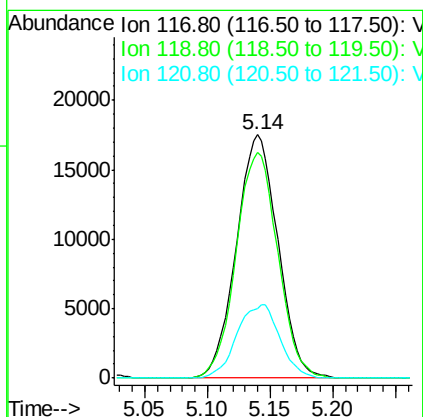
Manual Integrations
APPROVED

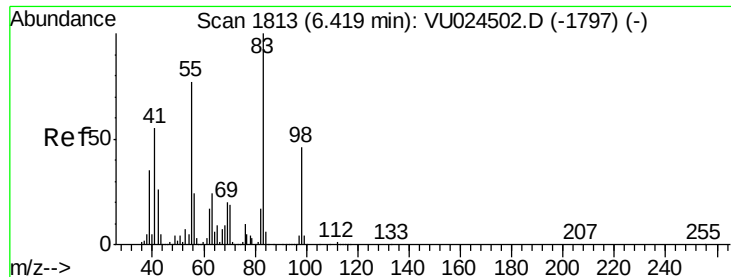
apatel
6/21/2018 1:44:37 PM



#38
Carbon Tetrachloride
Concen: 13.74 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.1	114.1
121	28.7	23.7	35.5





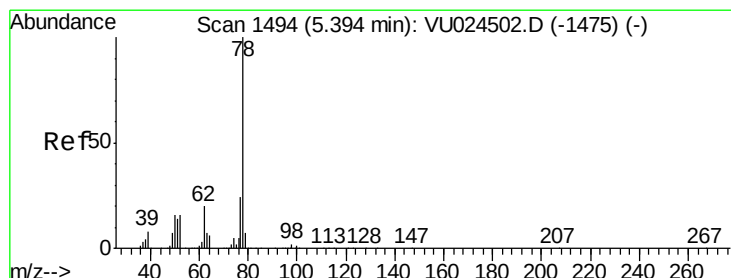
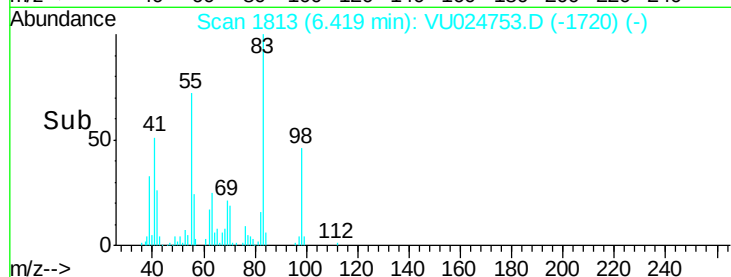
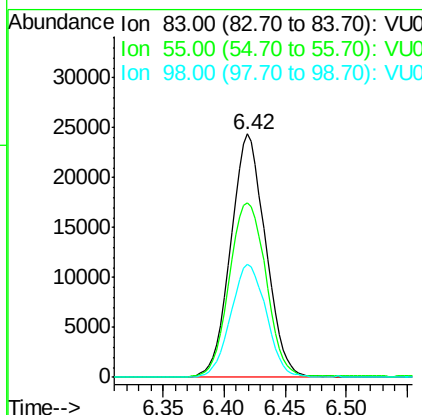
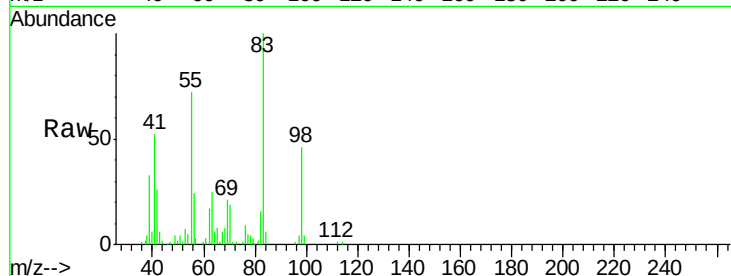
#39
Methylvlcyclohexane
Concen: 14.56 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.8	65.8	98.6
98	46.4	36.7	55.1

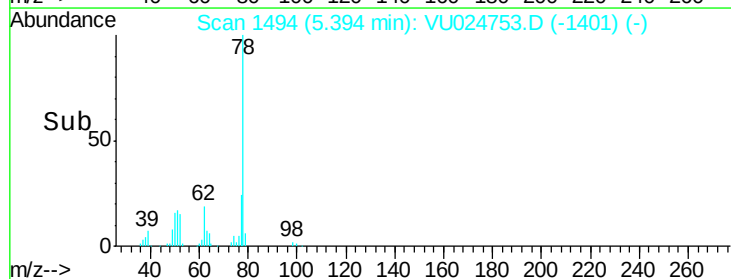
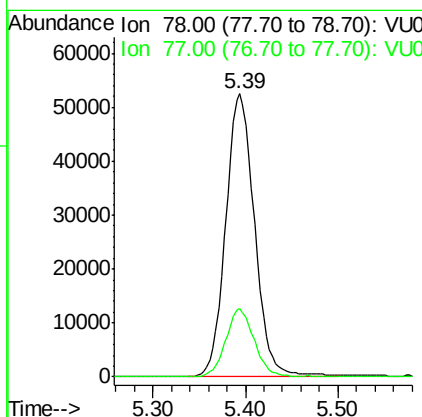
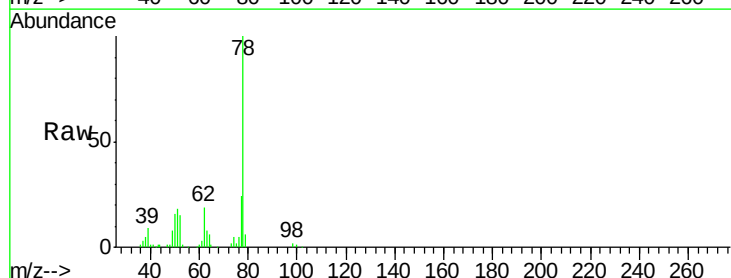
Manual Integrations
APPROVED

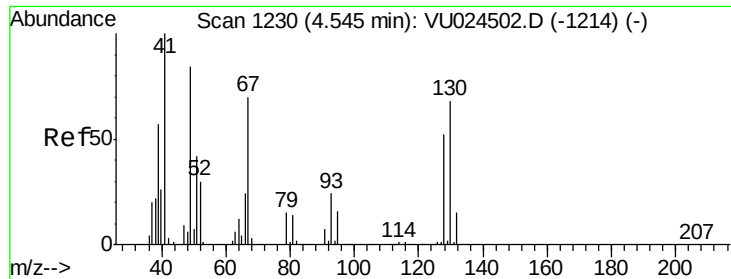
apatel
6/21/2018 1:44:37 PM



#40
Benzene
Concen: 14.94 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





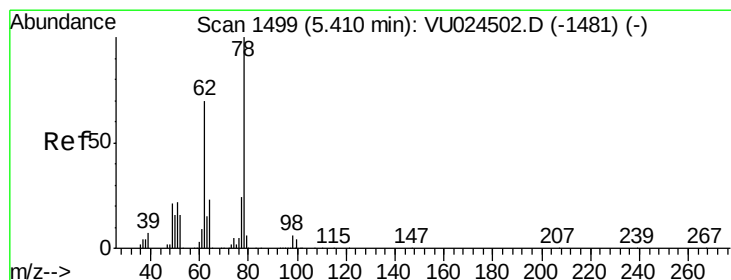
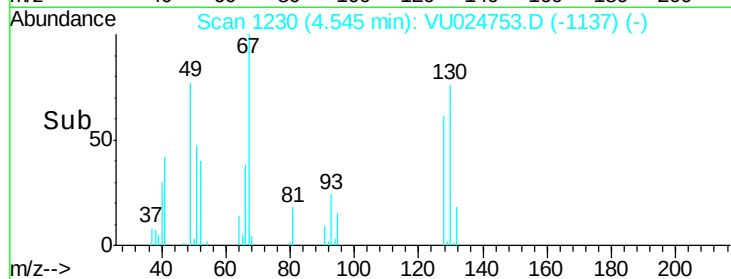
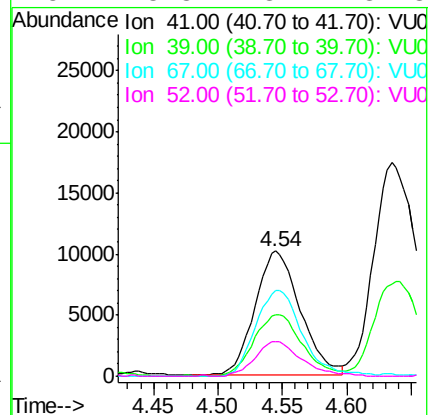
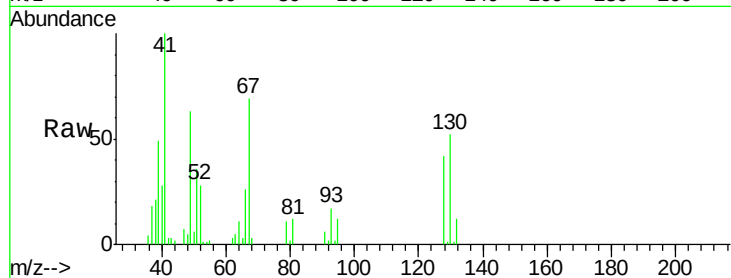
#41
Methacrylonitrile
Concen: 15.82 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	43.8	65.6	
67	71.6	56.3	84.5	
52	28.8	23.2	34.8	

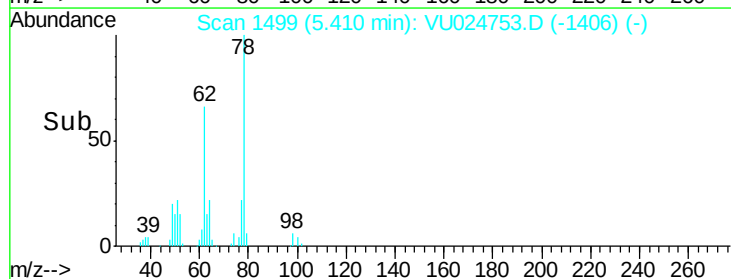
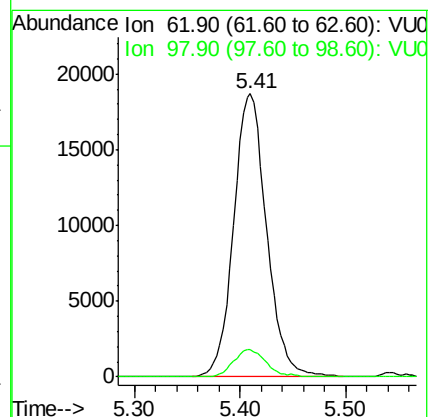
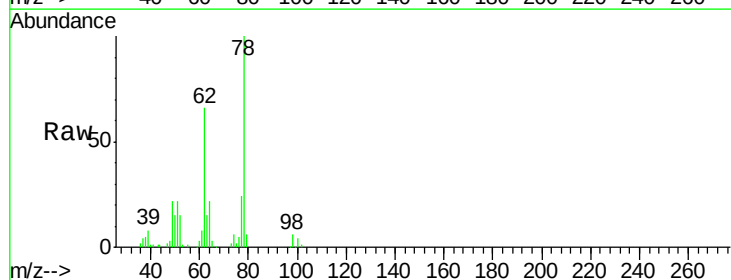
Manual Integrations
APPROVED

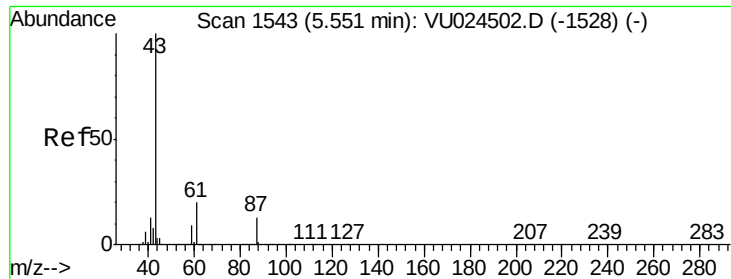
apatel
6/21/2018 1:44:37 PM



#42
1,2-Dichloroethane
Concen: 13.96 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	16.6	





#43

Isopropyl Acetate

Concen: 13.91 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

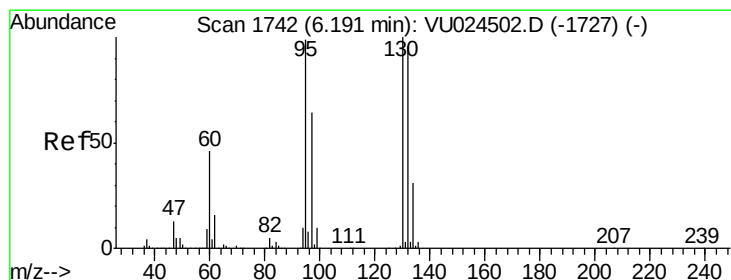
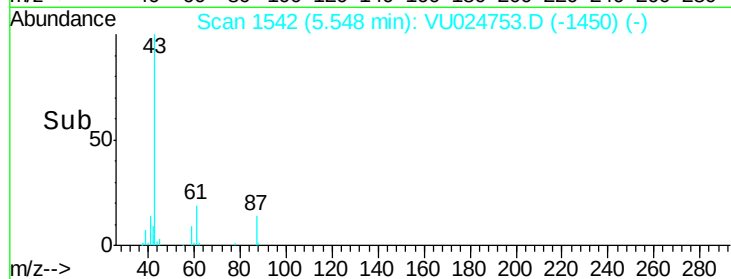
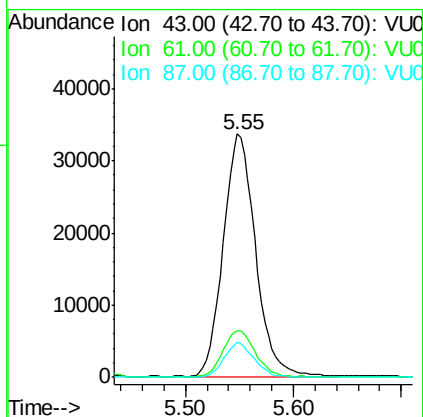
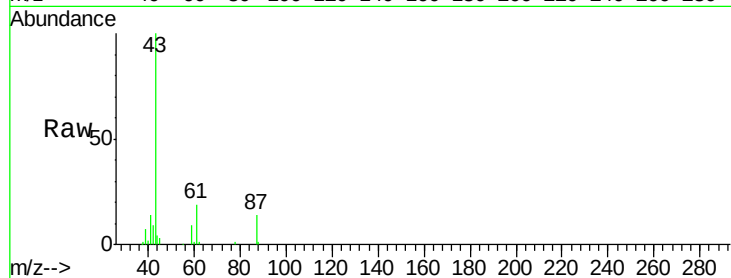
ClientSampleId :

VU0620WBSD01

Tot Ion:	43	Resp:	69860
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.3	10.0	15.0

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#44

Trichloroethene

Concen: 14.25 ug/l

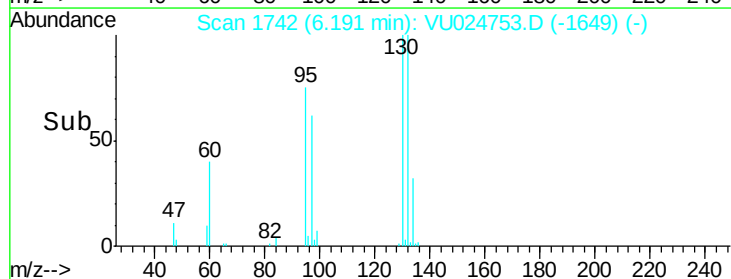
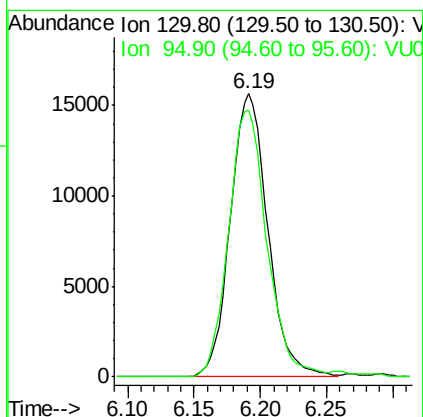
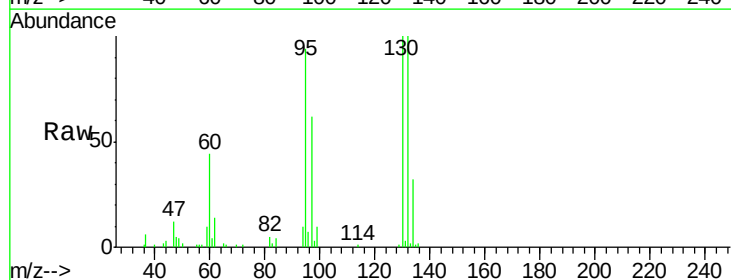
RT: 6.19 min Scan# 1742

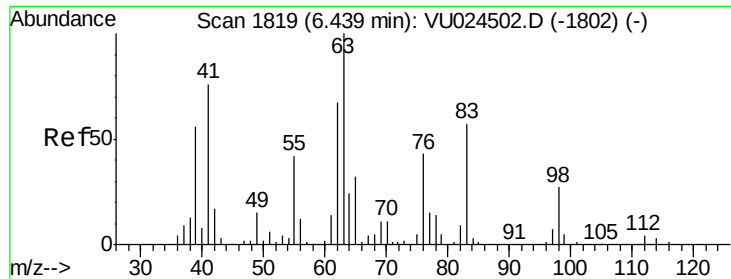
Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion:	130	Resp:	30807
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	202.4





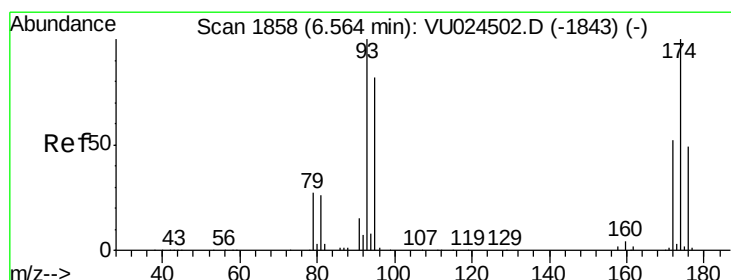
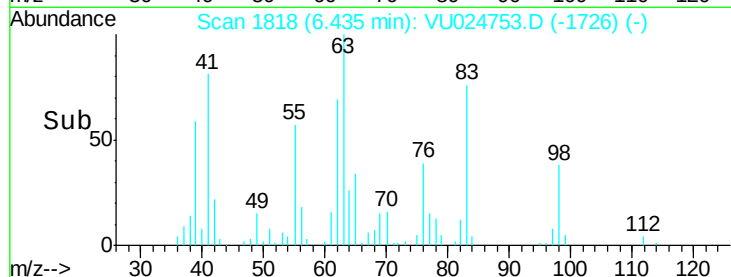
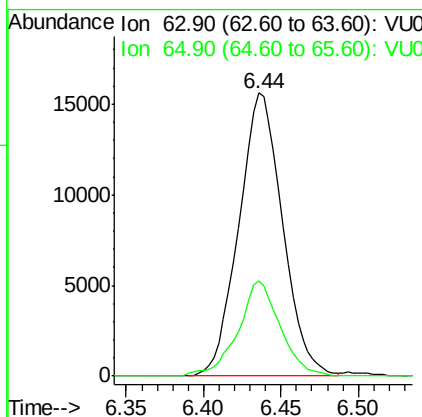
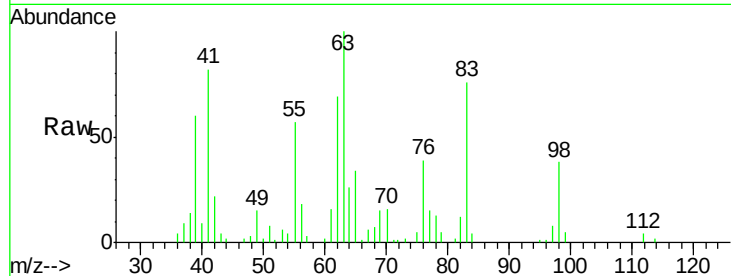
#45
 1,2-Dichloropropane
 Concen: 15.15 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampled :
 VU0620WBSD01

Tot Ion: 63 Resp: 30704
 Ion Ratio Lower Upper
 63 100
 65 33.8 24.8 37.2

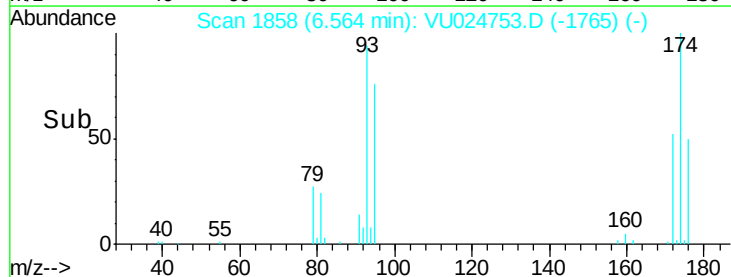
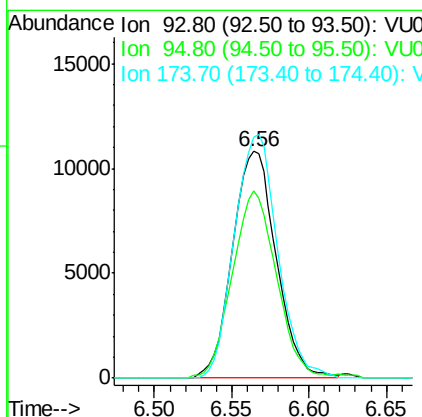
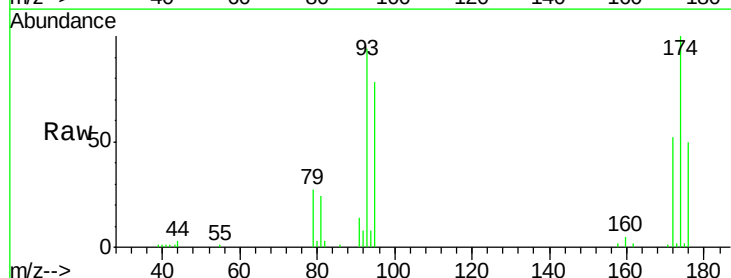
Manual Integrations
 APPROVED

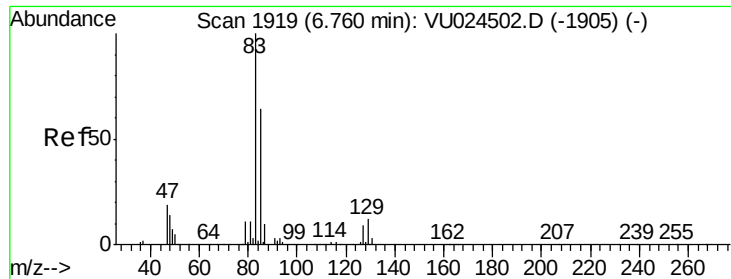
apatel
 6/21/2018 1:44:37 PM



#46
 Dibromomethane
 Concen: 14.94 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion: 93 Resp: 21277
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.5 98.3
 174 106.7 78.7 118.1





#47

Bromodichloromethane

Concen: 13.97 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

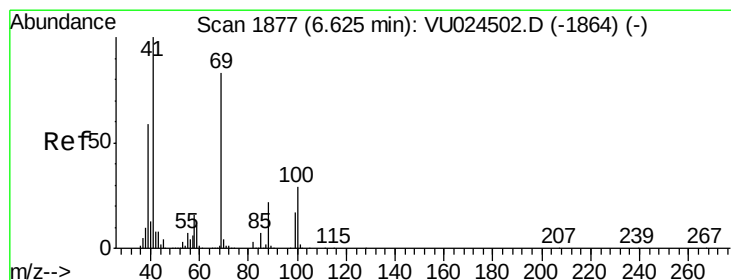
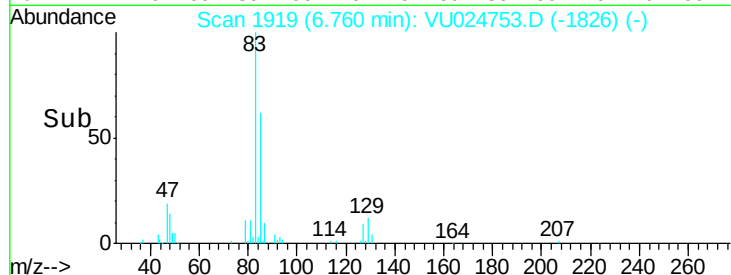
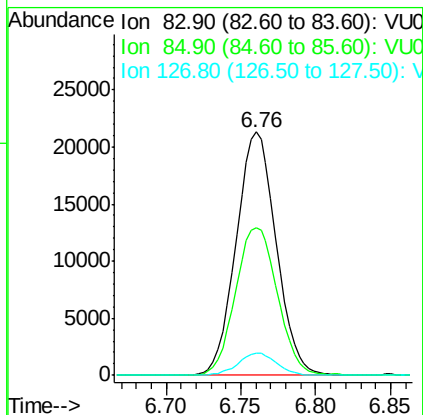
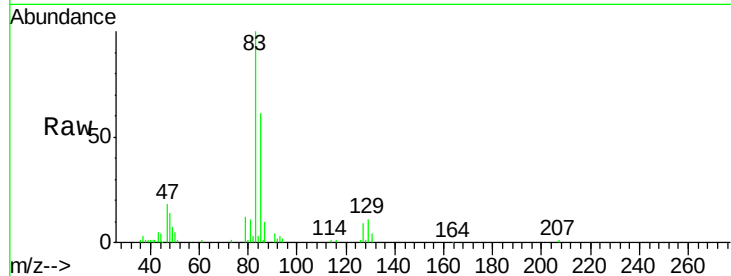
ClientSampleId :

VU0620WBSD01

Tot Ion:	83	Resp:	39600
Ion Ratio	Lower	Upper	
83	100		
85	60.8	51.9	77.9
127	9.1	6.6	9.8

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#48

Methyl methacrylate

Concen: 13.75 ug/l

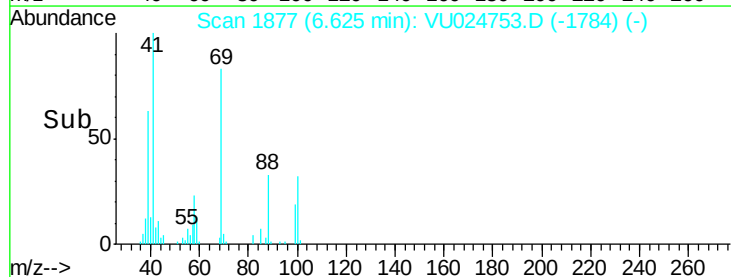
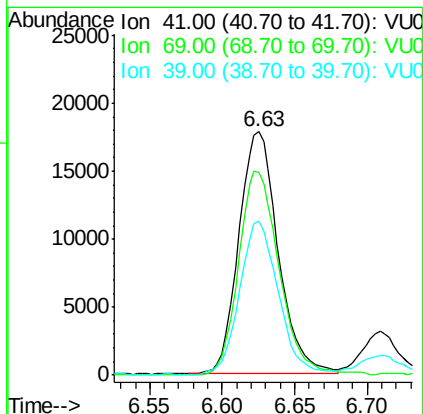
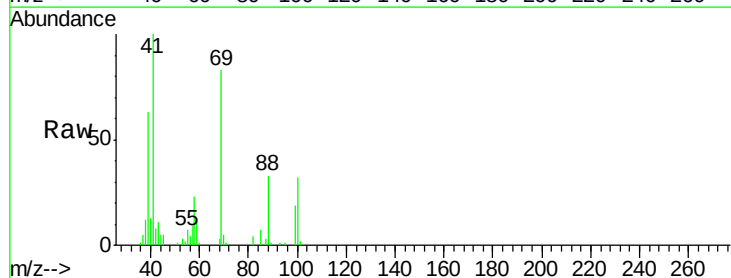
RT: 6.63 min Scan# 1877

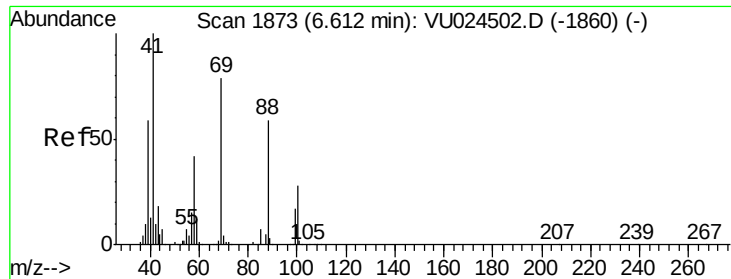
Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion:	41	Resp:	33626
Ion Ratio	Lower	Upper	
41	100		
69	87.1	67.3	100.9
39	62.9	46.5	69.7





#49

1,4-Dioxane

Concen: 315.44 ug/l

RT: 6.62 min Scan# 1875

Delta R.T. 0.01 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

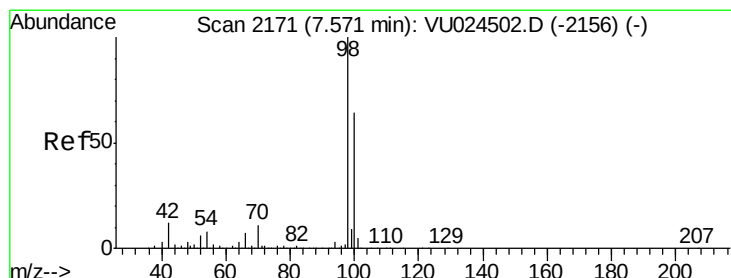
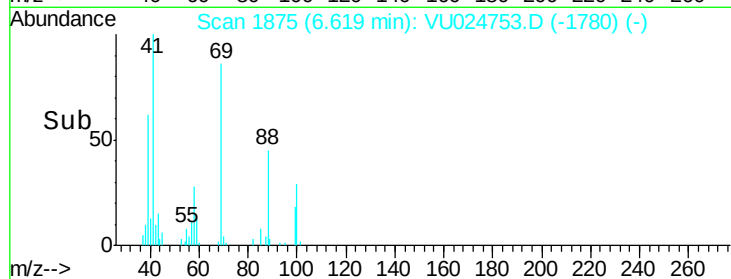
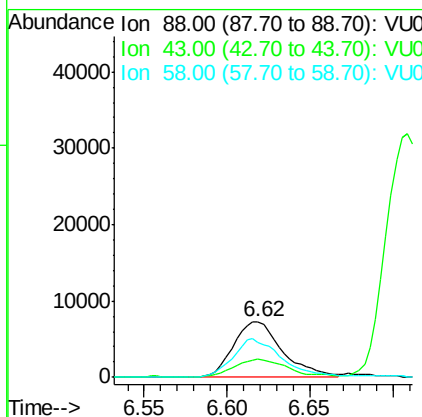
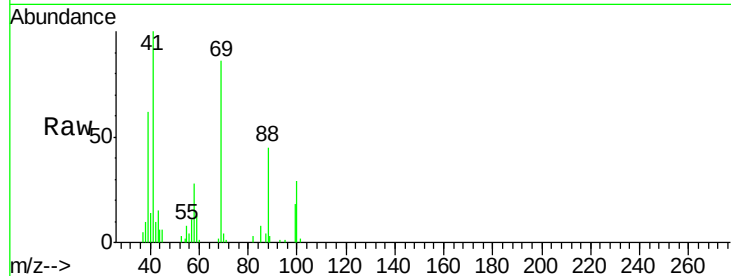
ClientSampleId :

VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	28.6	42.8
58	69.1	58.2	87.4

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#50

Toluene-d8

Concen: 37.83 ug/l

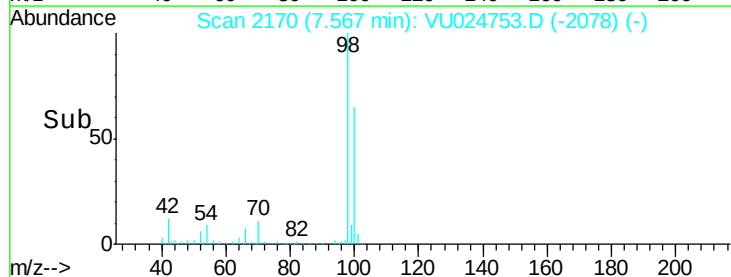
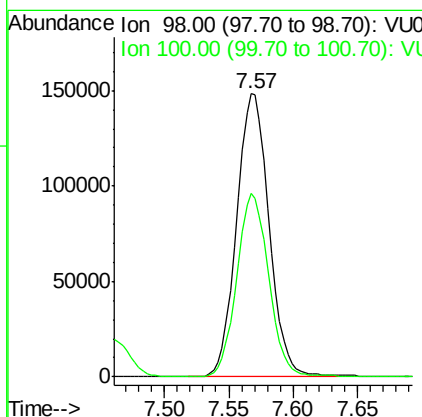
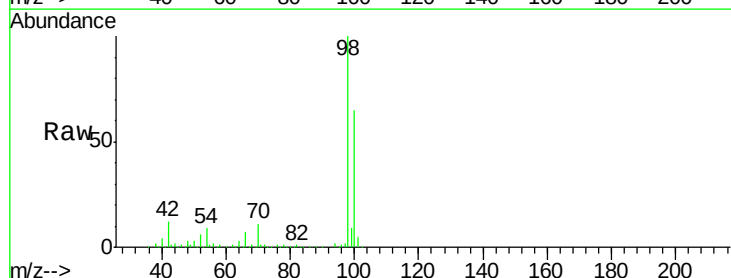
RT: 7.57 min Scan# 2170

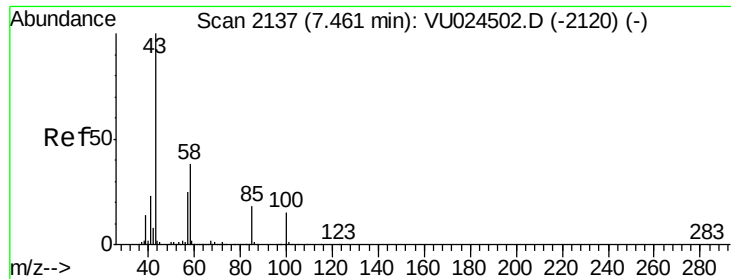
Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 72.33 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 43 Resp: 228234

Ion Ratio Lower Upper

43 100

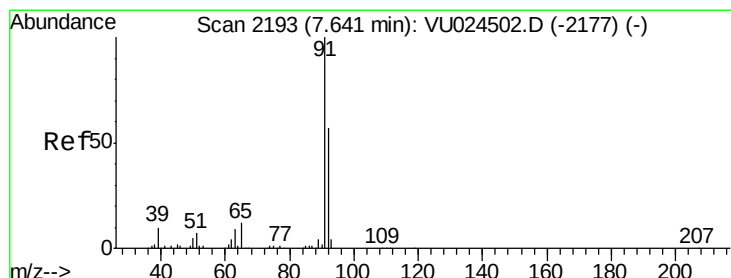
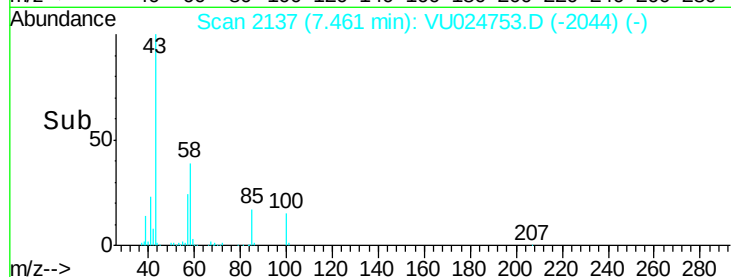
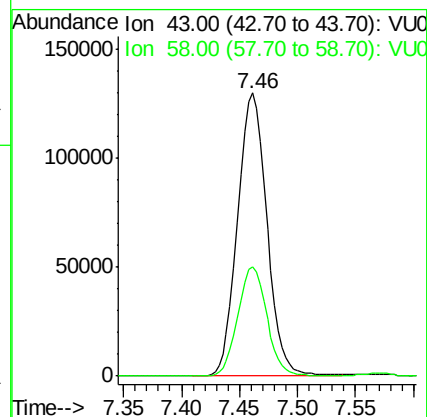
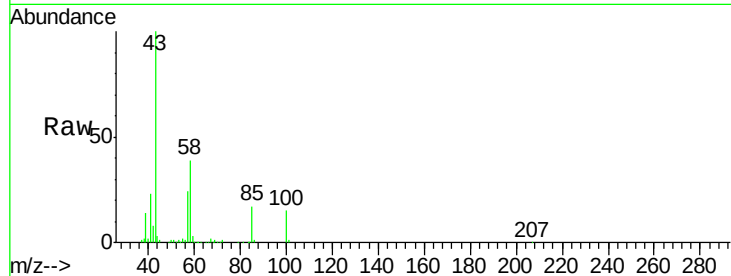
58 38.2 30.0 45.0

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#52

Toluene

Concen: 14.39 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024753.D

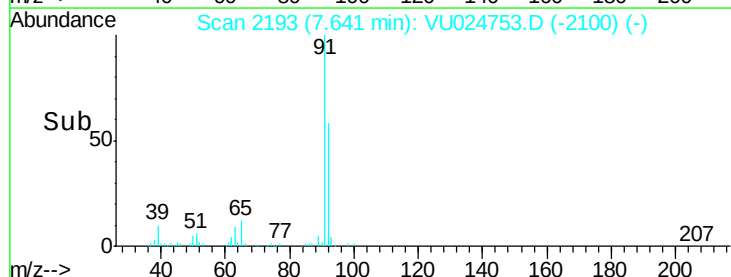
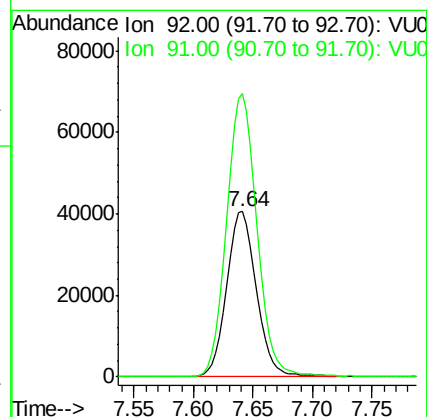
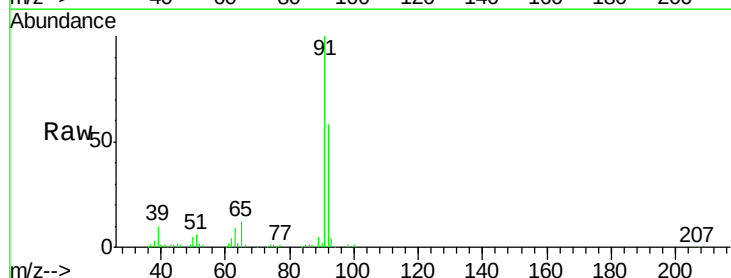
Acq: 20 Jun 2018 13:23

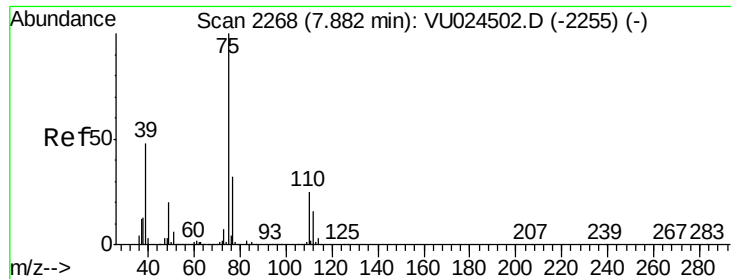
Tgt Ion: 92 Resp: 70315

Ion Ratio Lower Upper

92 100

91 174.8 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 13.65 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 75 Resp: 43448

Ion Ratio Lower Upper

75 100

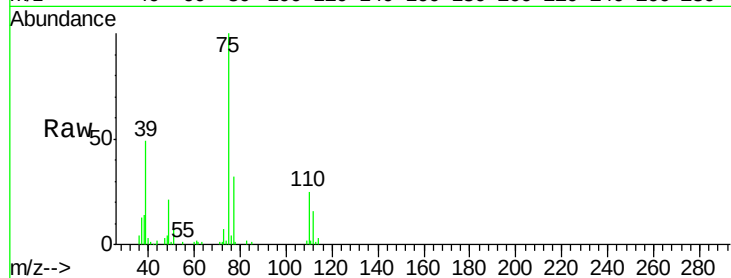
77 32.4 24.8 37.2

Manual Integrations

APPROVED

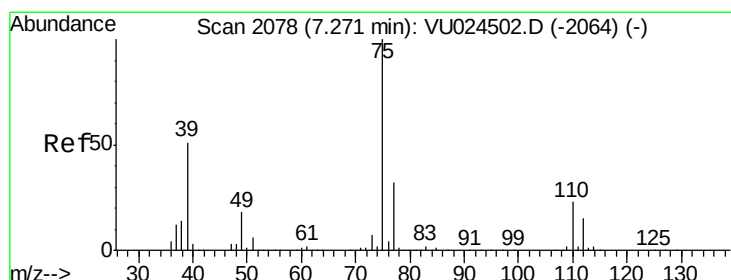
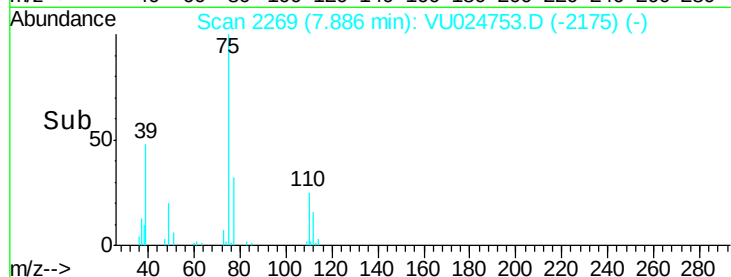
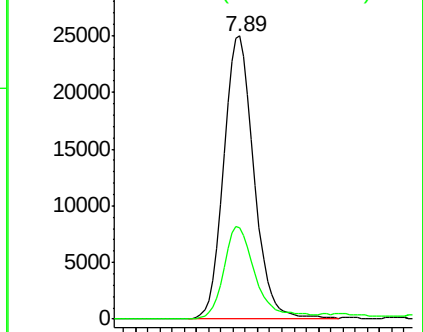
apatel

6/21/2018 1:44:37 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 13.50 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

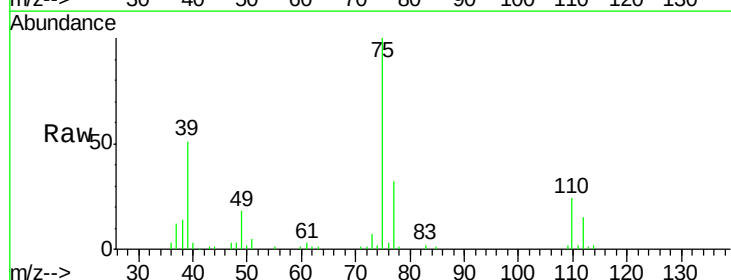
Tgt Ion: 75 Resp: 45813

Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8

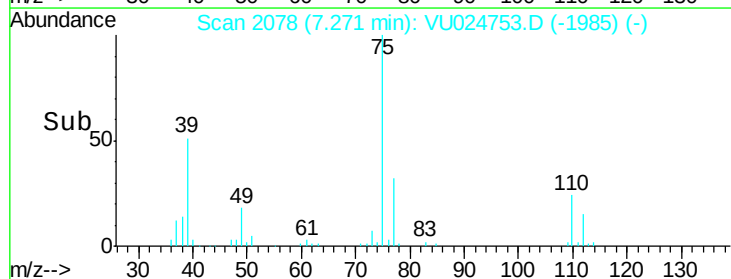
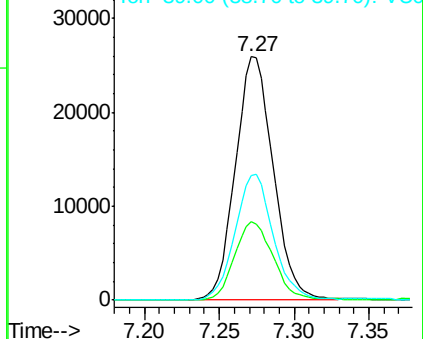
39 51.3 39.8 59.6

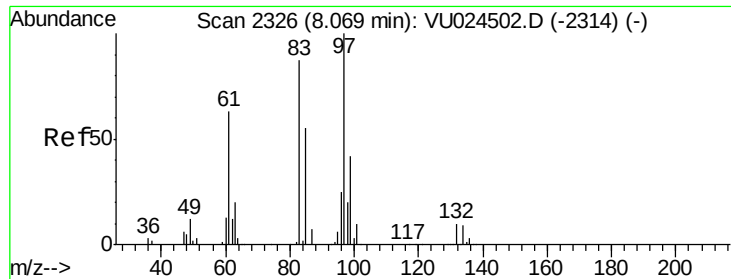


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





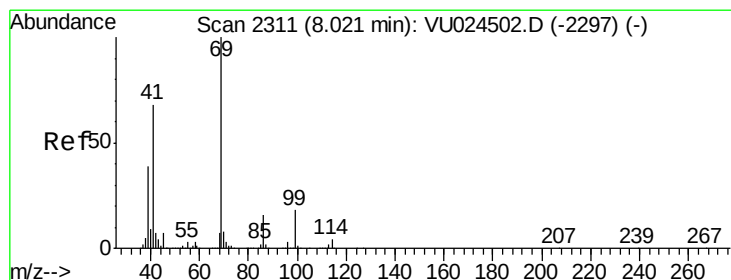
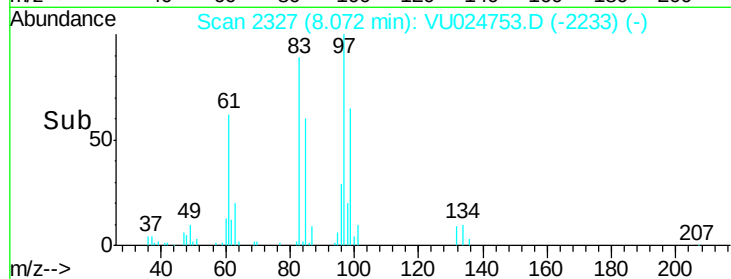
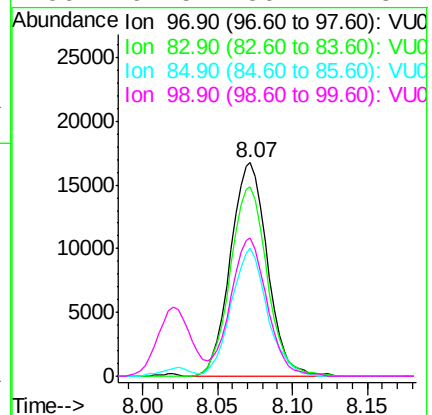
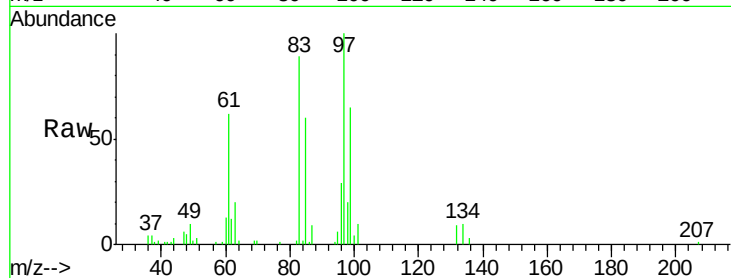
#55
 1,1,2-Trichloroethane
 Concen: 14.55 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion:	97	Resp:	28914
Ion	Ratio	Lower	Upper
97	100		
83	88.7	70.5	105.7
85	59.8	46.4	69.6
99	64.5	50.2	75.2

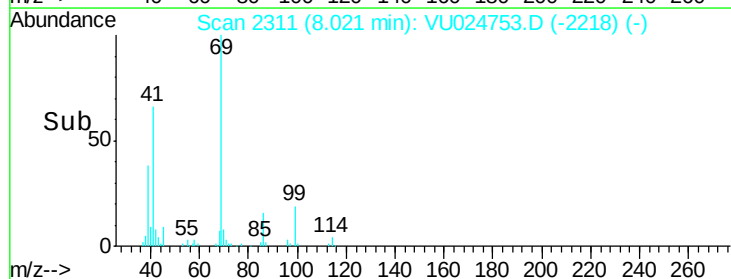
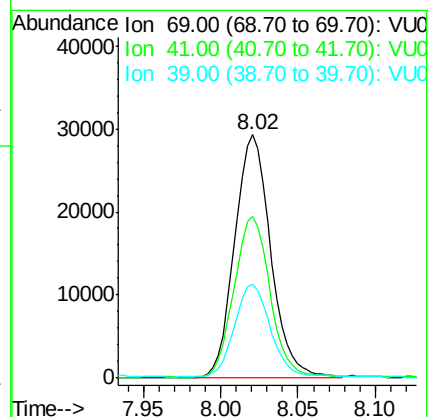
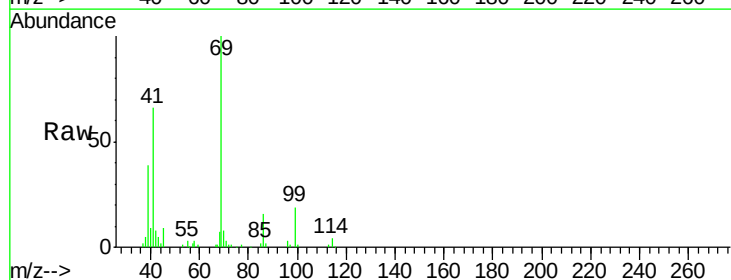
Manual Integrations
 APPROVED

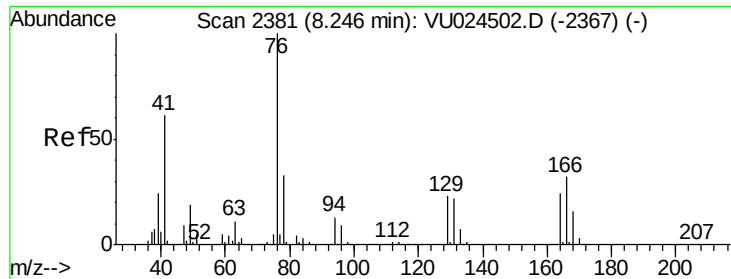
apatel
 6/21/2018 1:44:37 PM



#56
 Ethyl methacrylate
 Concen: 14.31 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion:	69	Resp:	47594
Ion	Ratio	Lower	Upper
69	100		
41	67.2	54.1	81.1
39	37.8	30.3	45.5





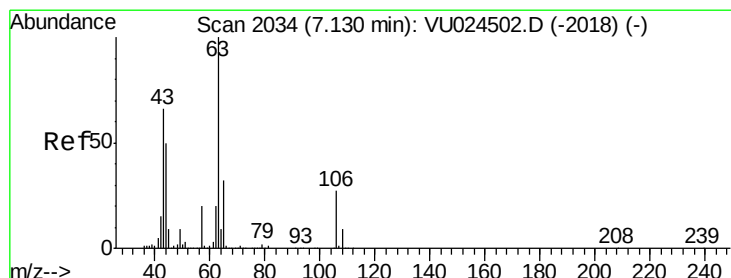
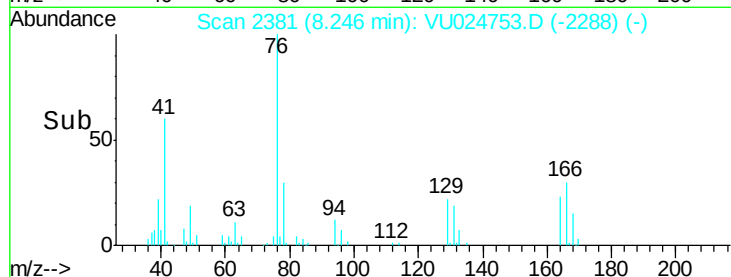
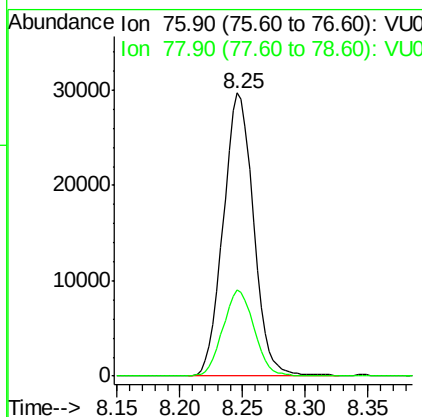
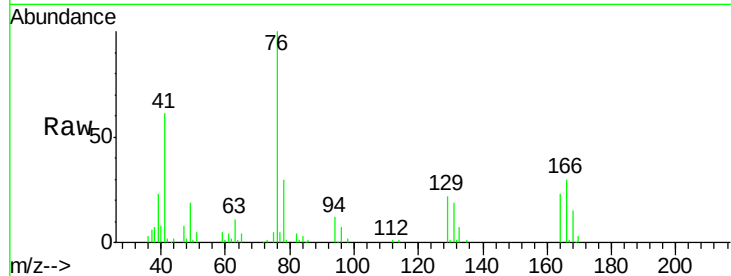
#57
 1,3-Dichloropropane
 Concen: 14.87 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion: 76 Resp: 49820
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.2 37.8

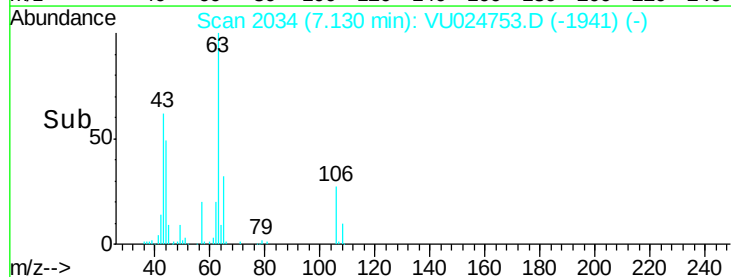
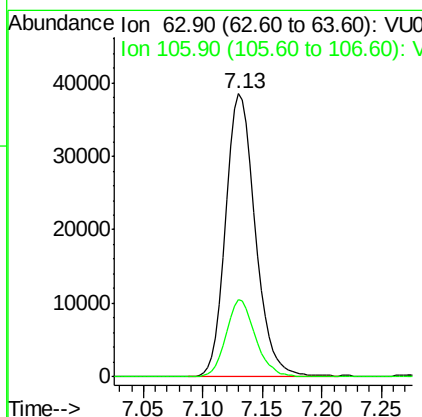
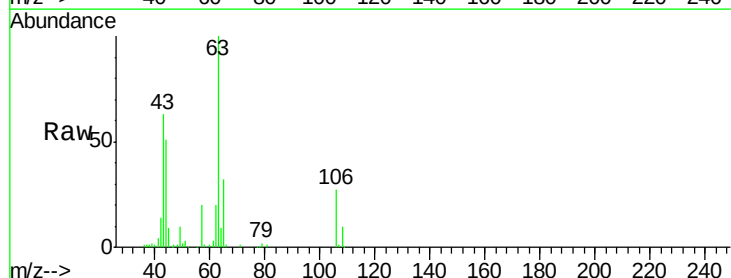
Manual Integrations
 APPROVED

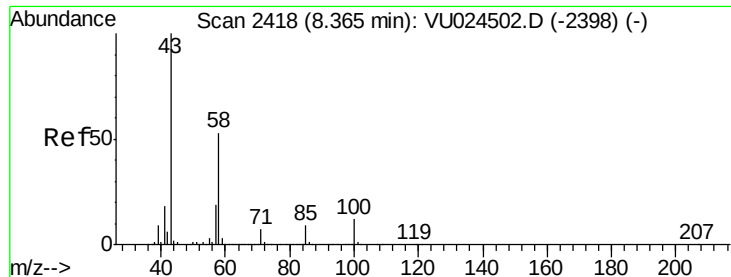
apatel
 6/21/2018 1:44:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.47 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion: 63 Resp: 66840
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.2 30.2





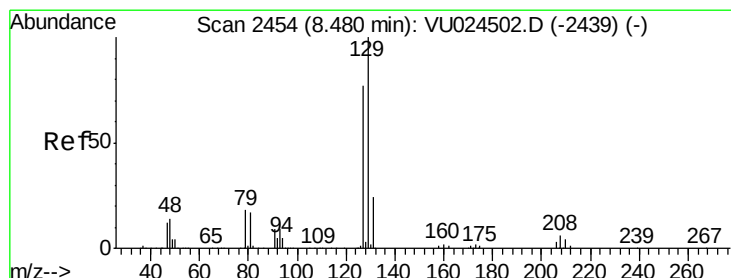
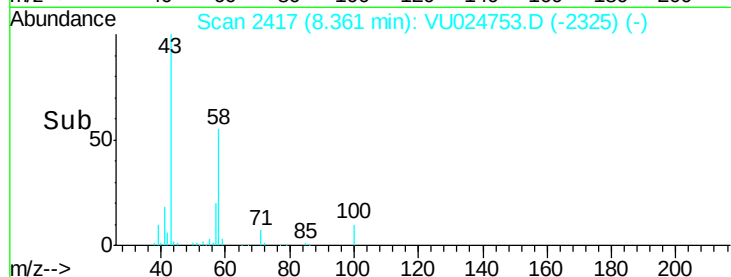
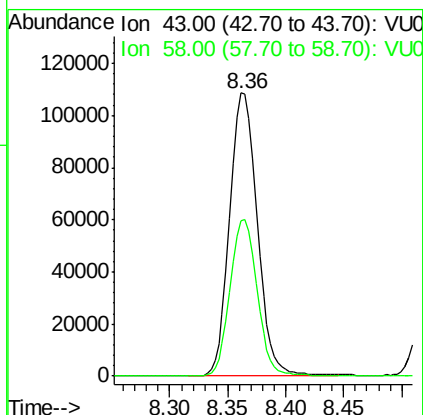
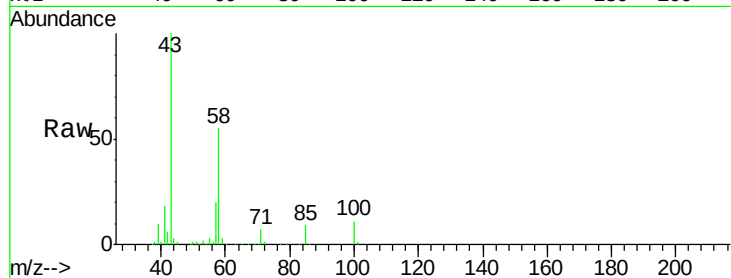
#59
2-Hexanone
Concen: 69.91 ug/l
RT: 8.36 min Scan# 2417
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	43	Resp	180097
Ion Ratio	43	100	
Lower	58	54.2	26.4
Upper			79.0

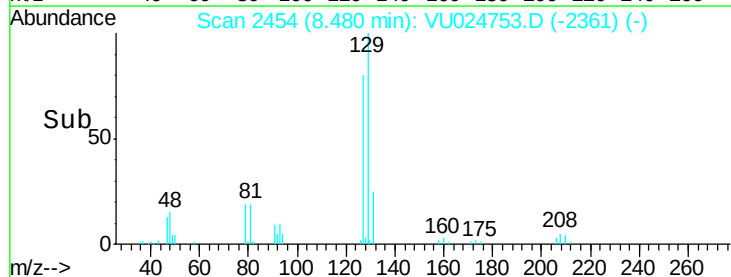
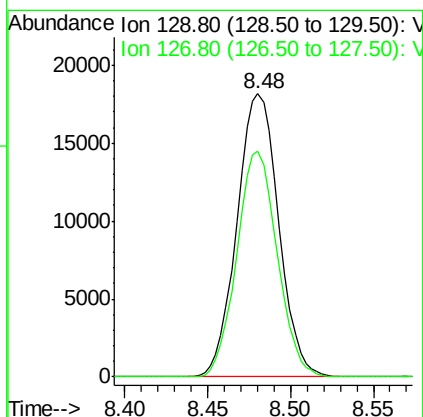
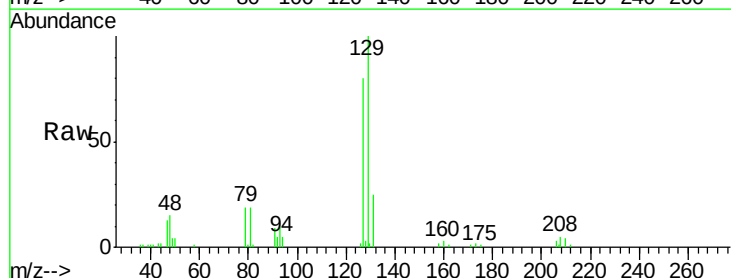
Manual Integrations
APPROVED

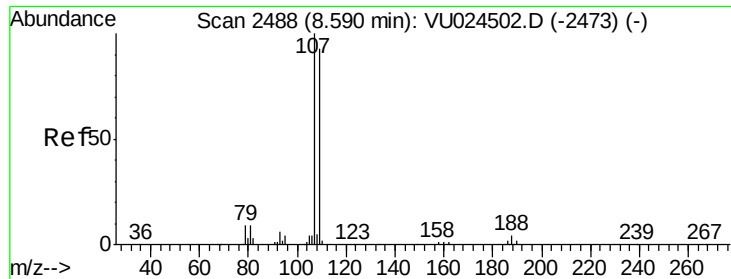
apatel
6/21/2018 1:44:37 PM



#60
Dibromochloromethane
Concen: 12.82 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	129	Resp	31755
Ion Ratio	129	100	
Lower	127	77.2	38.6
Upper			116.0





#61

1,2-Dibromoethane

Concen: 14.23 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion:107 Resp: 31454

Ion Ratio Lower Upper

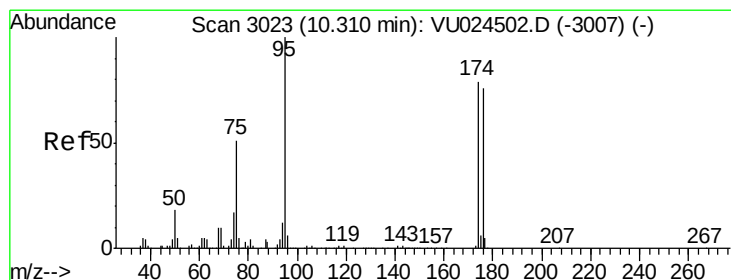
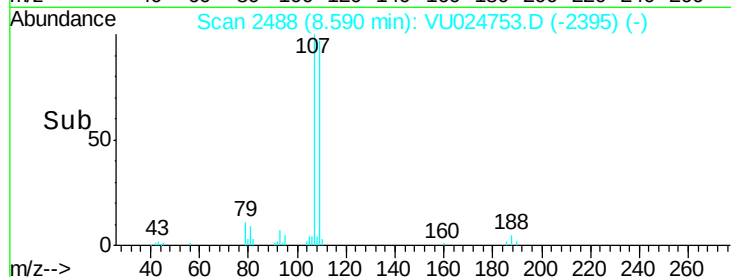
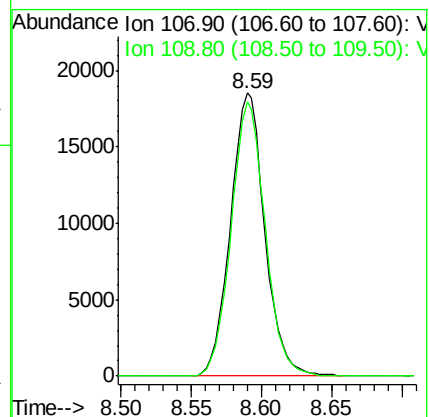
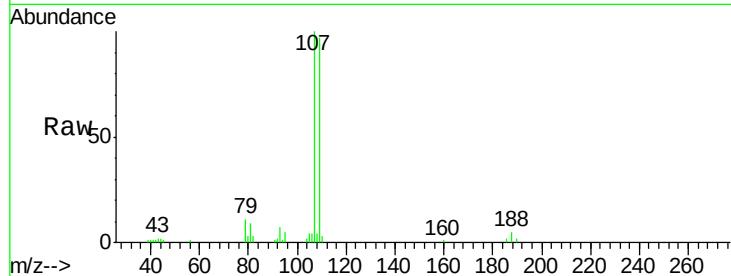
107 100

109 96.1 74.5 111.7

Manual Integrations
APPROVED

apatel

6/21/2018 1:44:37 PM



#62

4-Bromofluorobenzene

Concen: 35.44 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

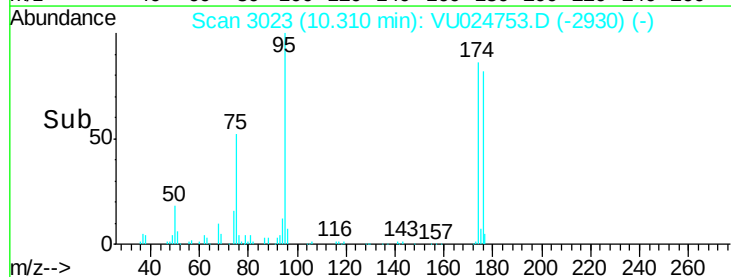
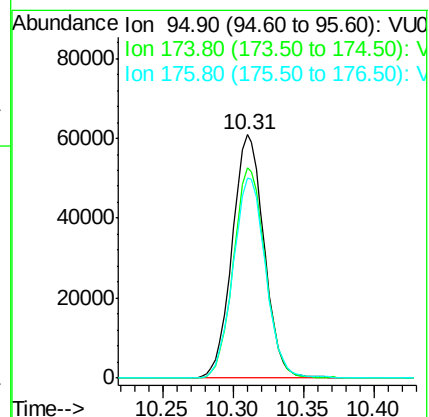
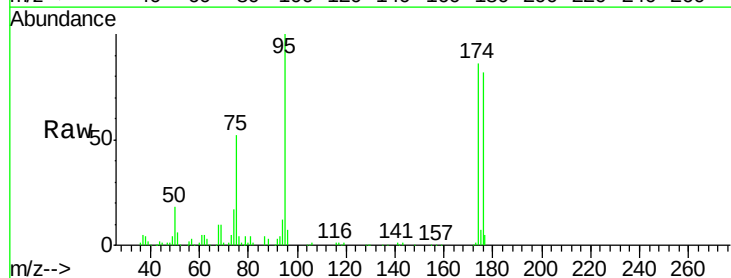
Tgt Ion: 95 Resp: 96644

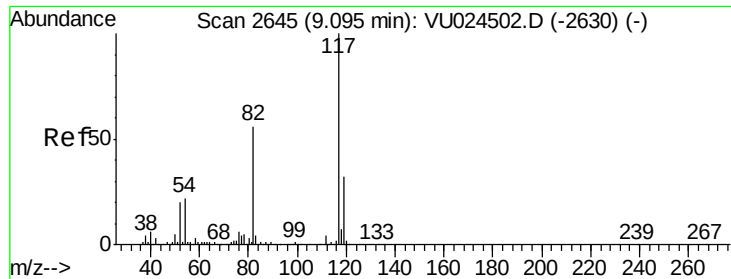
Ion Ratio Lower Upper

95 100

174 86.1 0.0 165.8

176 83.8 0.0 159.4





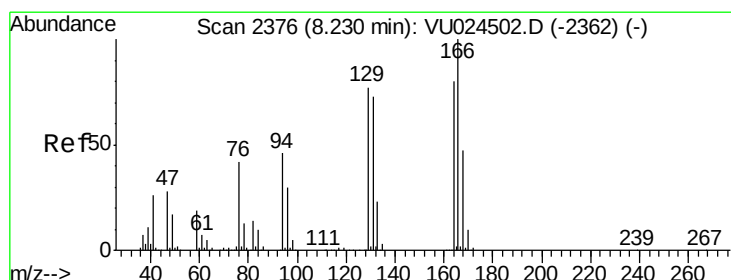
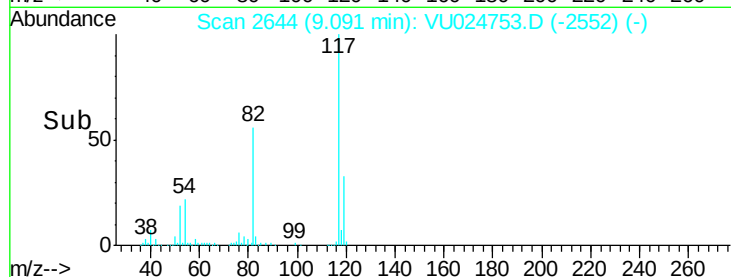
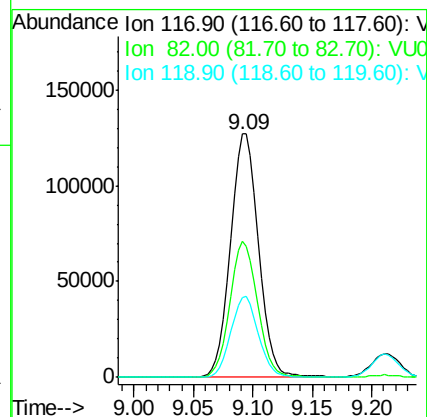
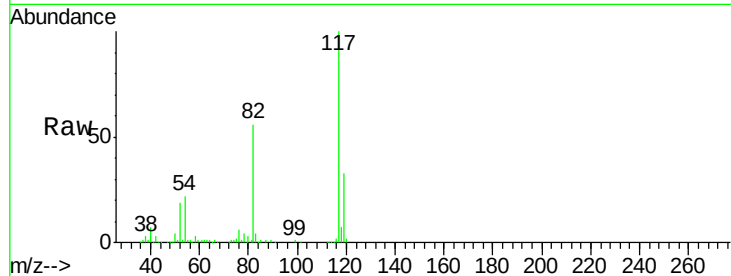
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	208148		
82	55.7	44.3	66.5	
119	33.0	25.4	38.2	

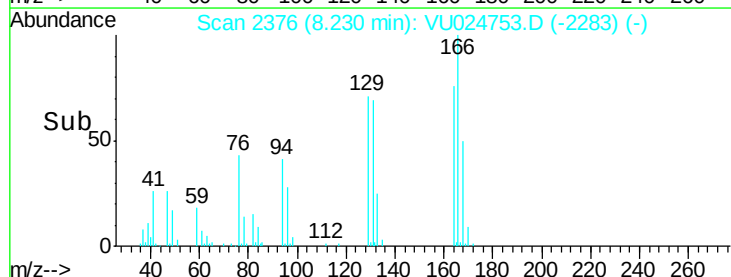
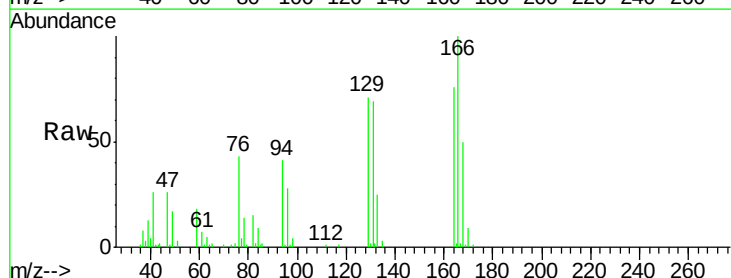
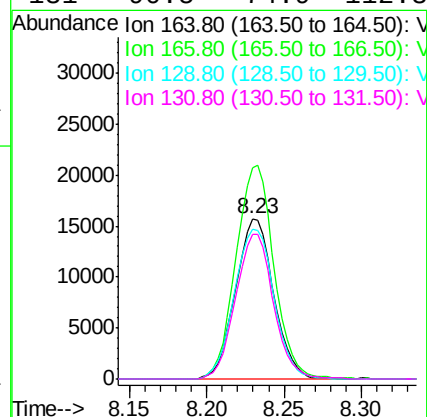
Manual Integrations
APPROVED

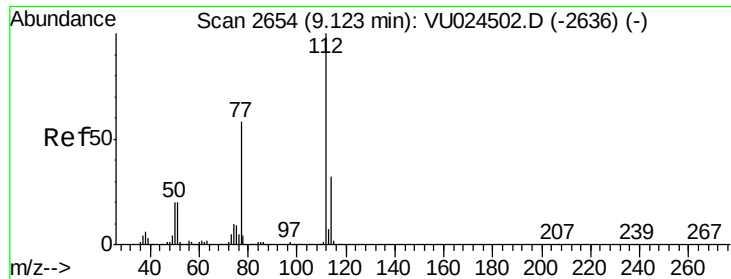
apatel
6/21/2018 1:44:37 PM



#64
Tetrachloroethene
Concen: 13.62 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26950		
166	132.2	101.7	152.5	
129	93.4	76.9	115.3	
131	90.5	74.9	112.3	





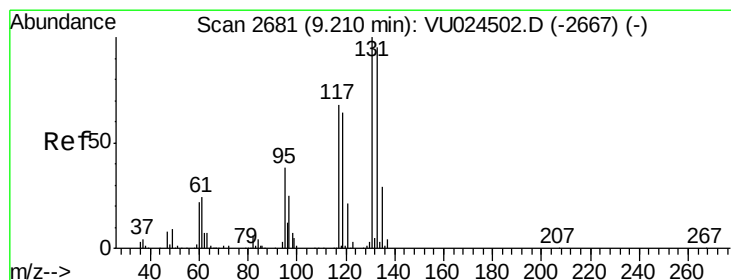
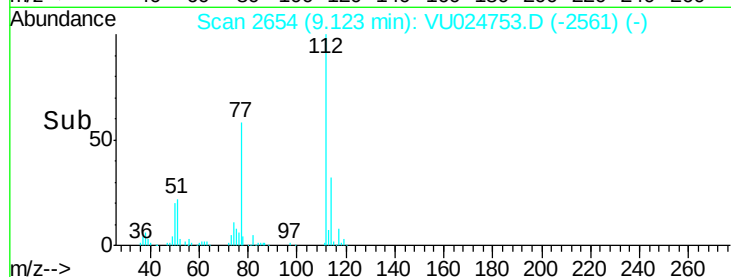
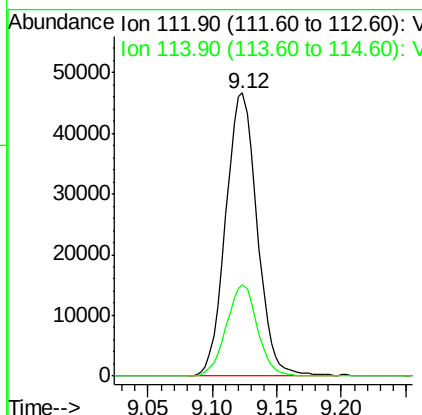
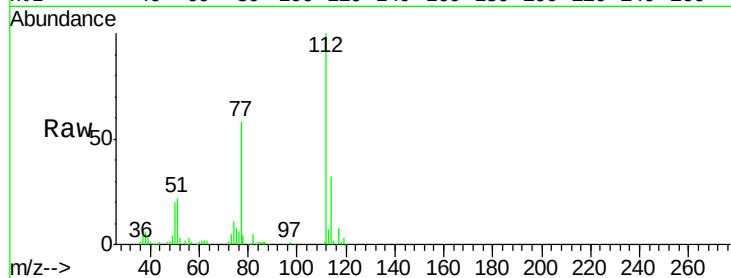
#65
Chlorobenzene
Concen: 14.87 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.6	38.4

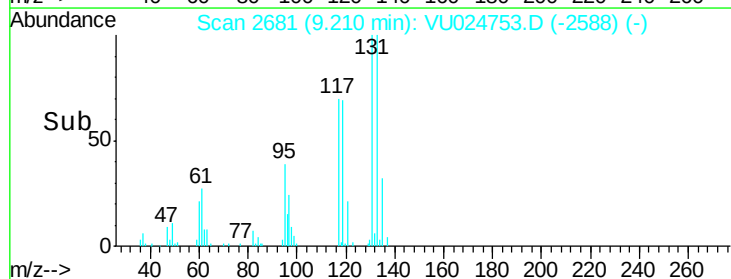
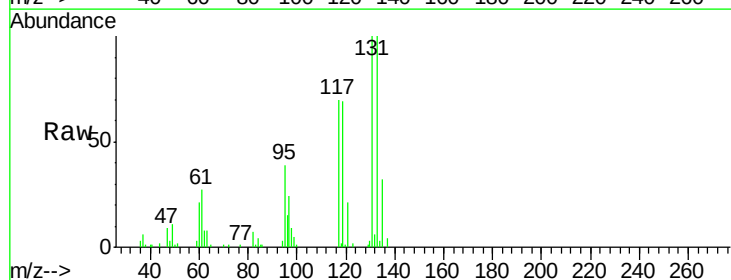
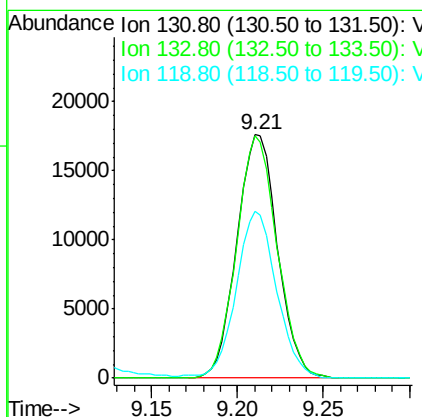
Manual Integrations
APPROVED

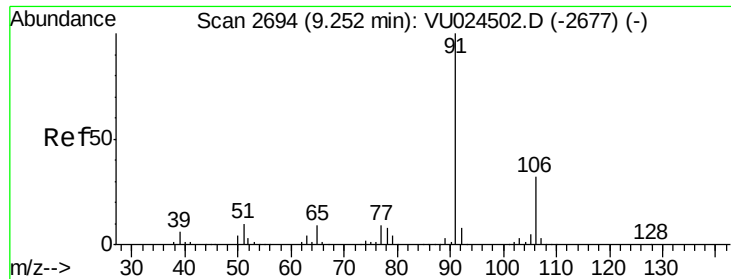
apatel
6/21/2018 1:44:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 14.32 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	46.9	140.8
119	68.2	33.5	100.4





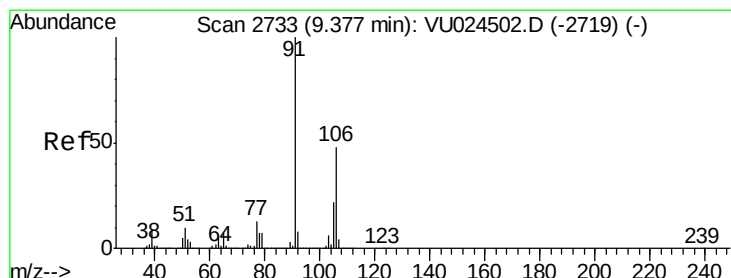
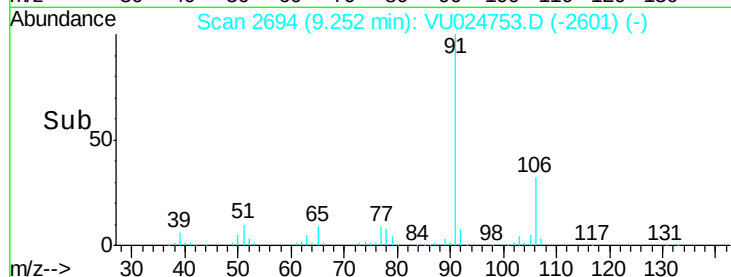
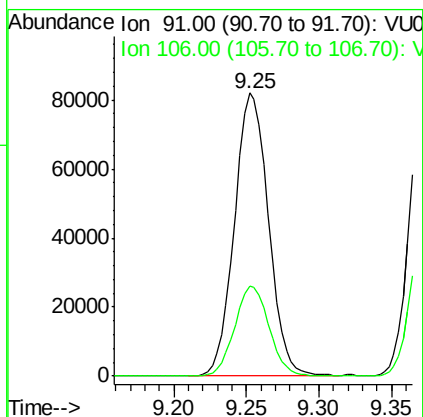
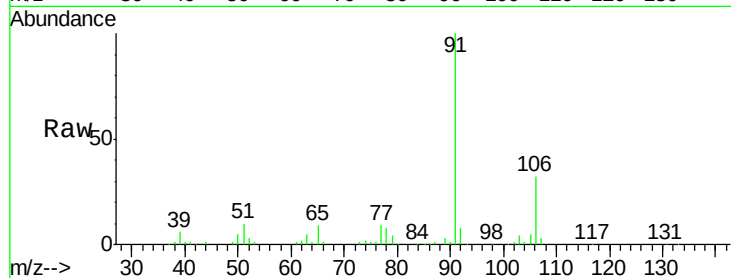
#67
Ethyl Benzene
Concen: 14.38 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion: 91 Resp: 134018
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.4

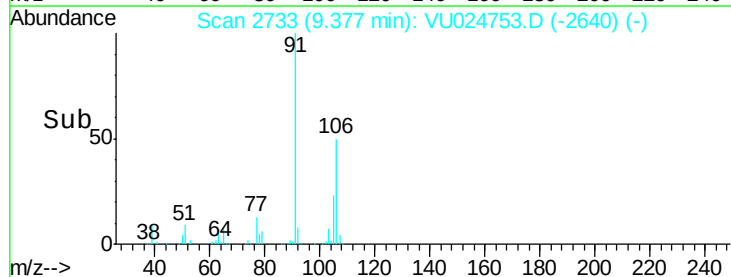
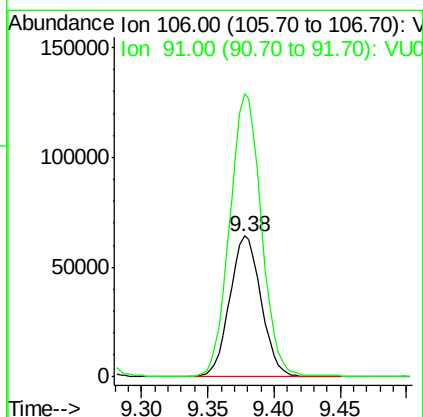
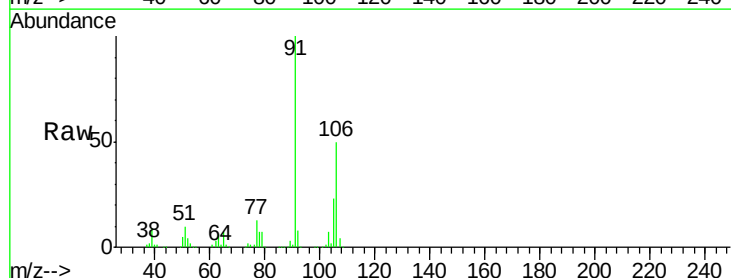
Manual Integrations
APPROVED

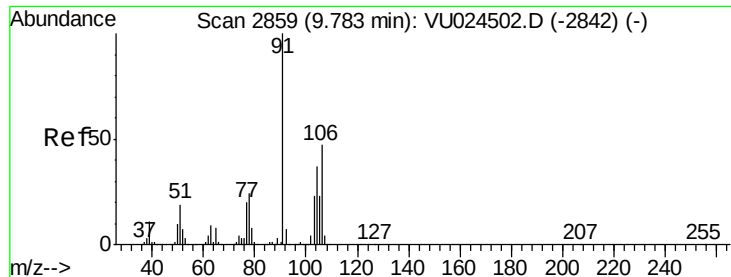
apatel
6/21/2018 1:44:37 PM



#68
m/p-Xylenes
Concen: 29.59 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion: 106 Resp: 105926
Ion Ratio Lower Upper
106 100
91 203.4 166.5 249.7





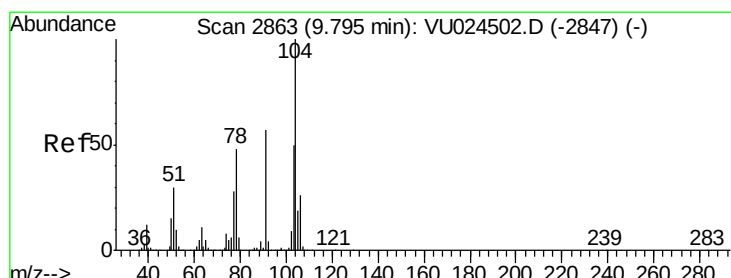
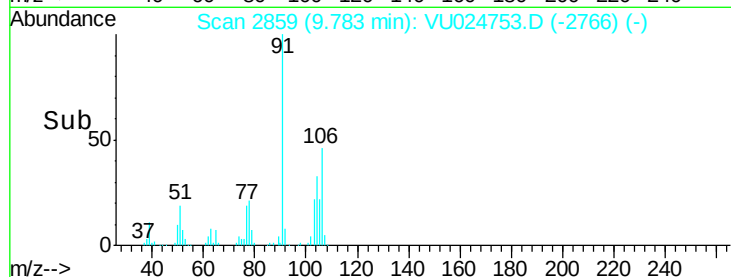
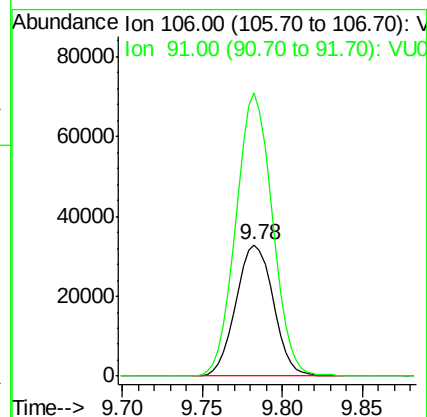
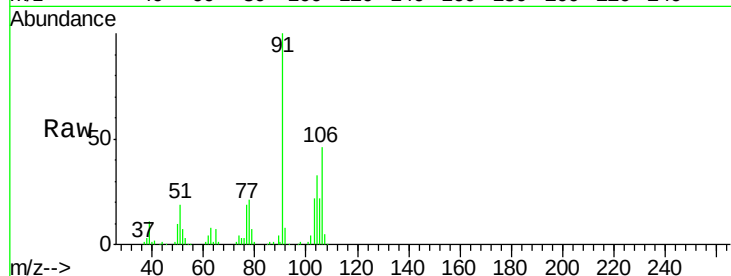
#69
o-Xylene
Concen: 14.82 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.7	110.7	331.9

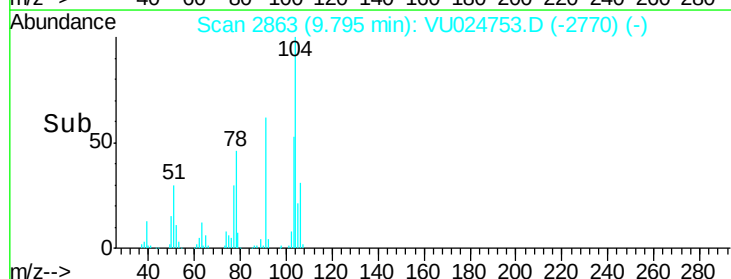
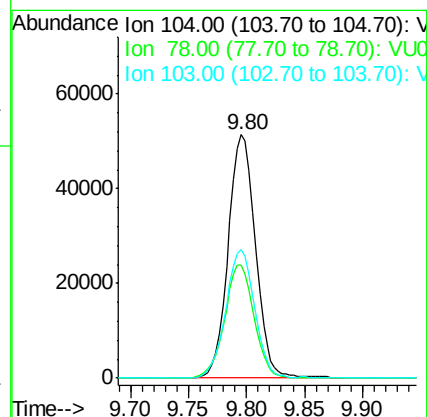
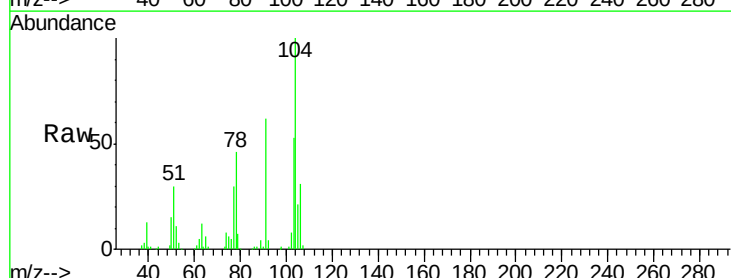
Manual Integrations
APPROVED

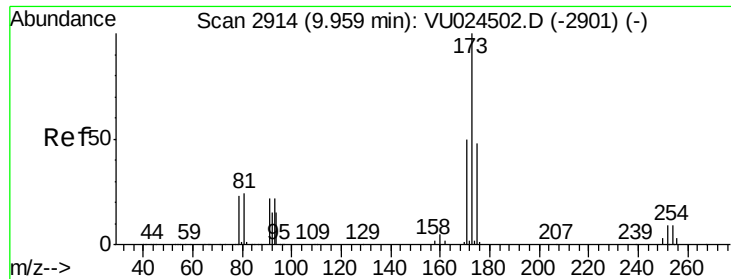
apatel
6/21/2018 1:44:37 PM



#70
Styrene
Concen: 14.47 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	40.6	60.8
103	55.9	44.7	67.1





#71

Bromoform

Concen: 13.40 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

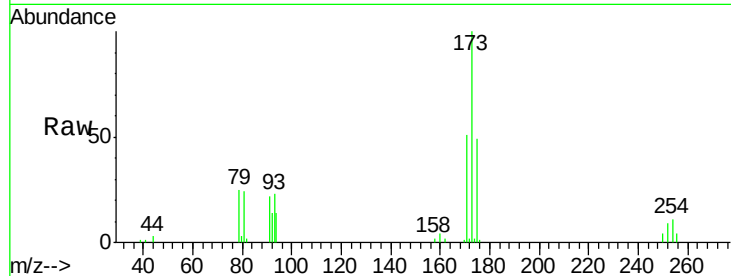
ClientSampleId :

VU0620WBSD01

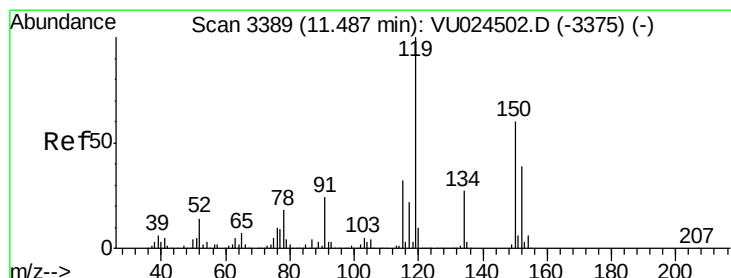
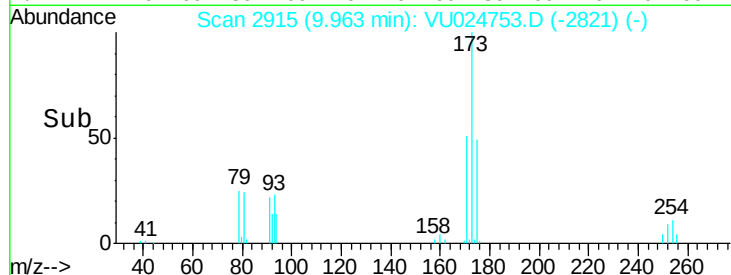
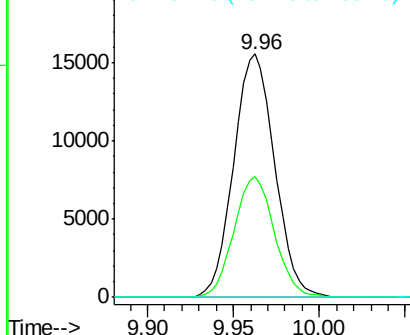
Tot Ion:	173	Resp:	25735
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 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

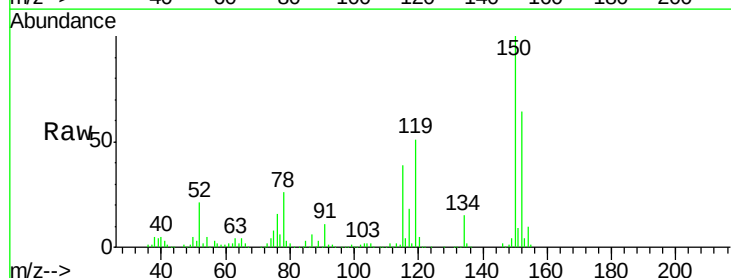
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

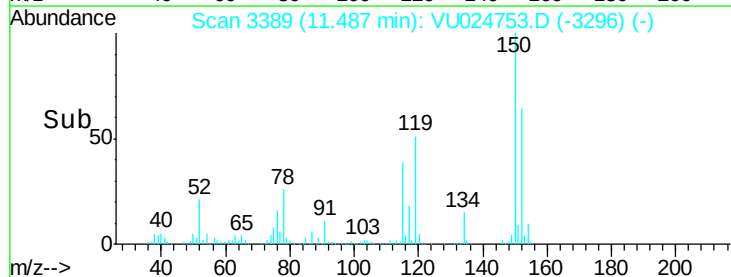
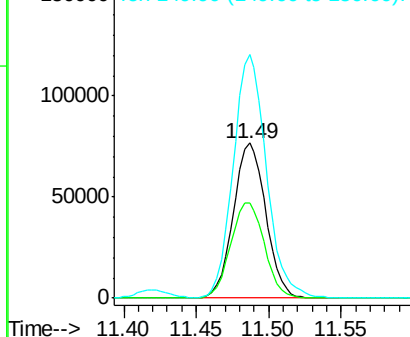
Lab File: VU024753.D

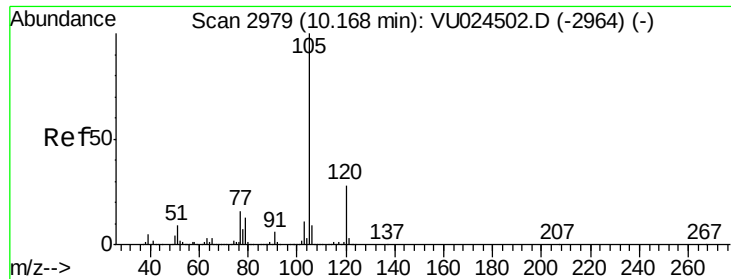
Acq: 20 Jun 2018 13:23

Tgt Ion:	152	Resp:	118808
Ion Ratio	Lower	Upper	
152	100		
115	63.9	43.0	129.0
150	160.6	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: 15.15 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 105 Resp: 138233

Ion Ratio Lower Upper

105 100

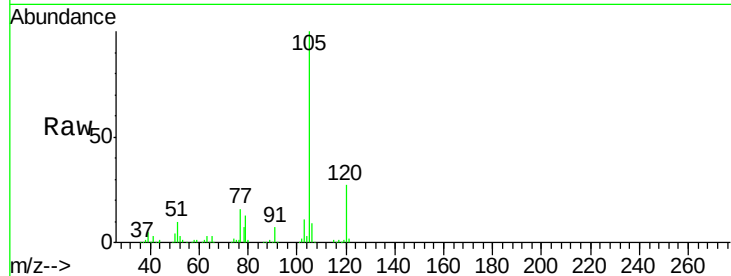
120 27.3 13.2 39.6

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

80000

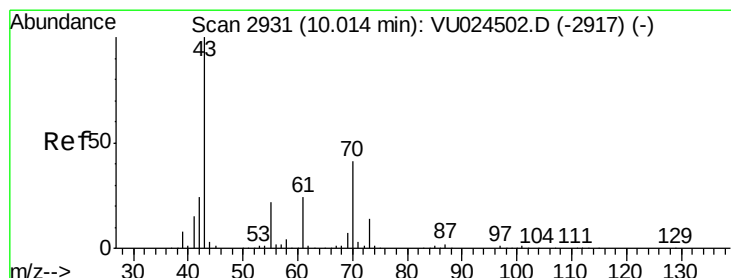
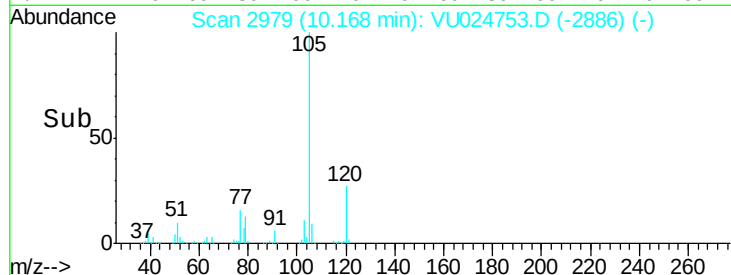
60000

40000

20000

0

Time--> 10.10 10.15 10.20 10.25



#74

N-ethyl acetate

Concen: 14.59 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion: 43 Resp: 63287

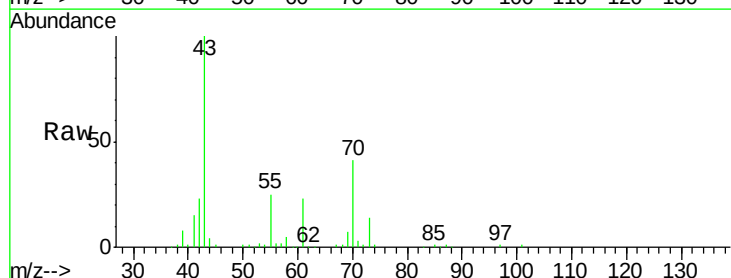
Ion Ratio Lower Upper

43 100

70 40.7 32.2 48.4

55 24.1 20.5 30.7

61 23.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

10.01

40000

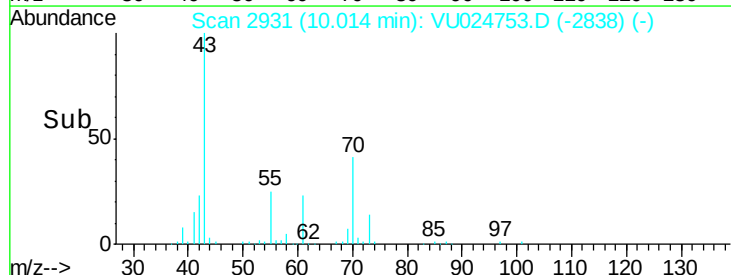
30000

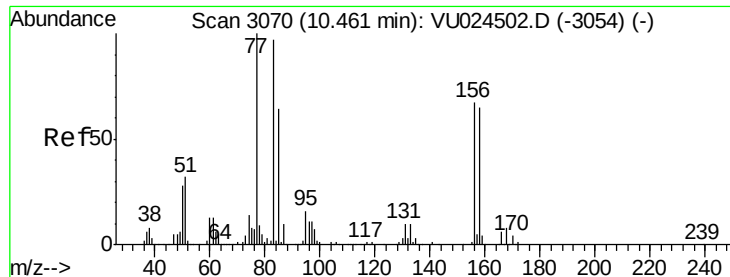
20000

10000

0

Time--> 10.00 10.10





#75

1,1,2,2-Tetrachloroethane

Concen: 15.26 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

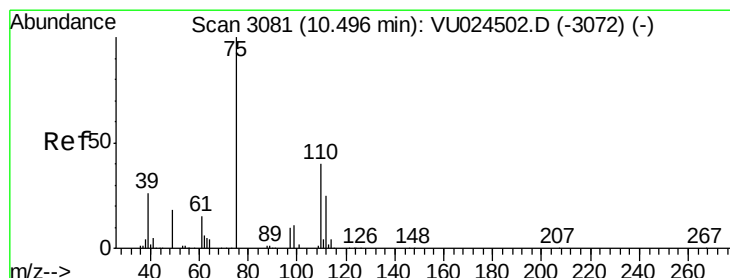
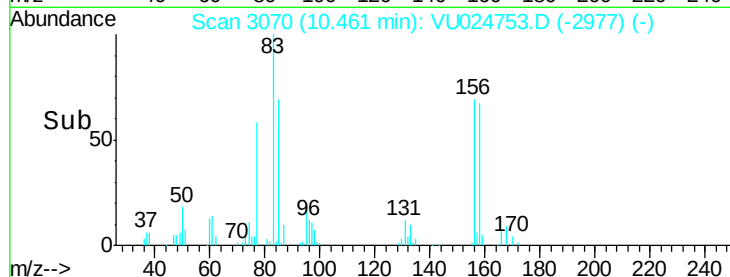
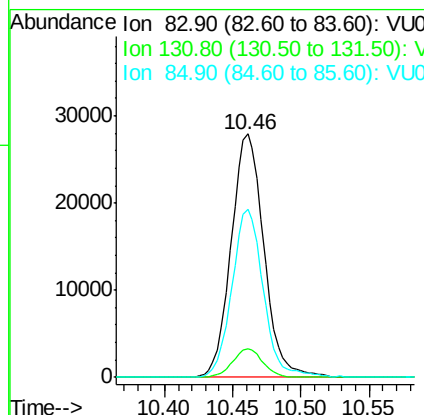
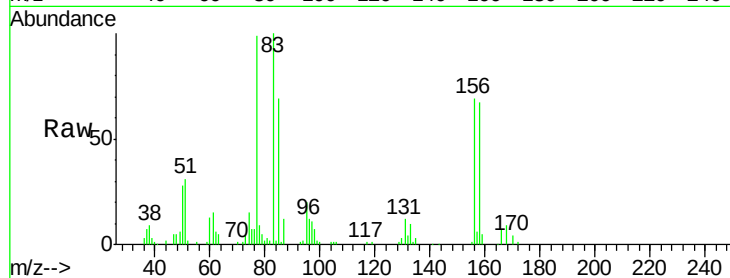
ClientSampleId :

VU0620WBSD01

Tot Ion	83	Resp	46647
Ion	Ratio	Lower	Upper
83	100		
131	10.6	4.7	14.1
85	66.2	32.5	97.5

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#76

1,2,3-Trichloropropane

Concen: 15.91 ug/l m

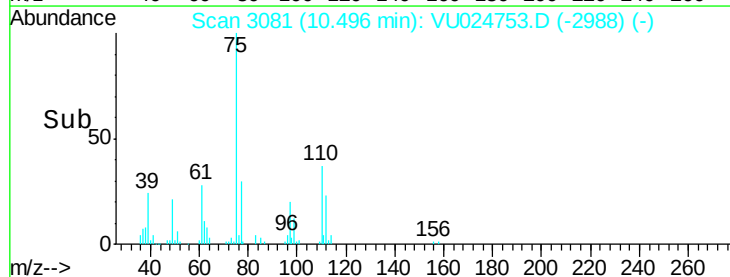
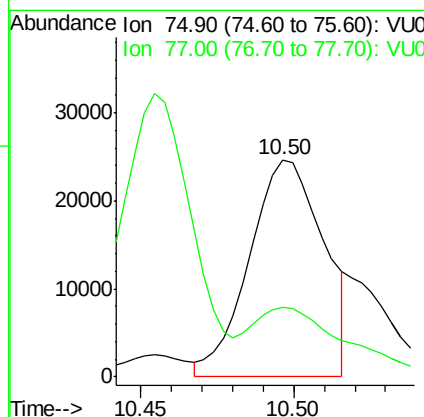
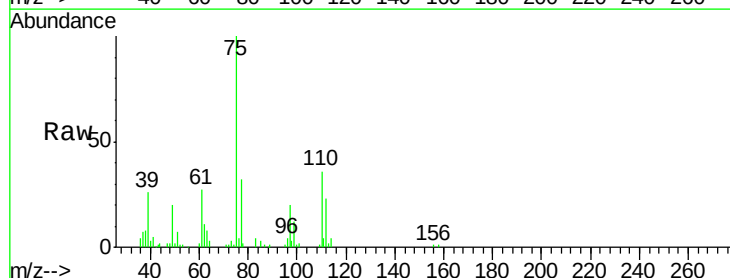
RT: 10.50 min Scan# 3081

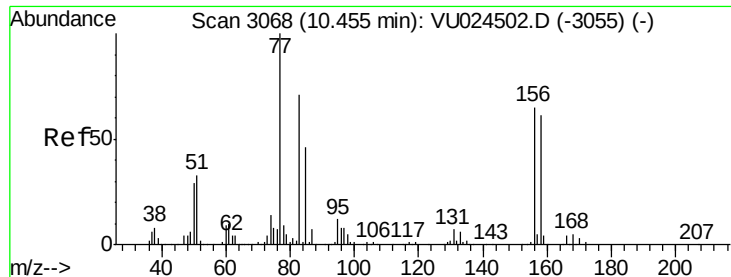
Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion	75	Resp	41604
Ion	Ratio	Lower	Upper
75	100		
77	41.4	20.9	62.7





#77

Bromobenzene

Concen: 15.10 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

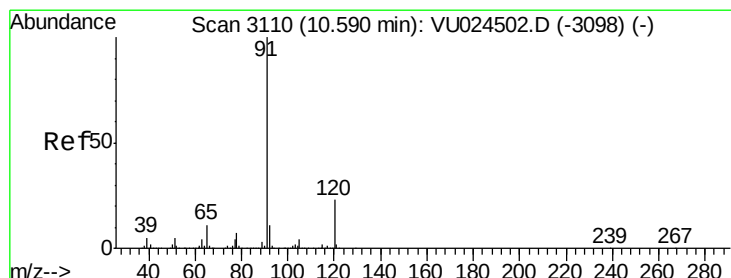
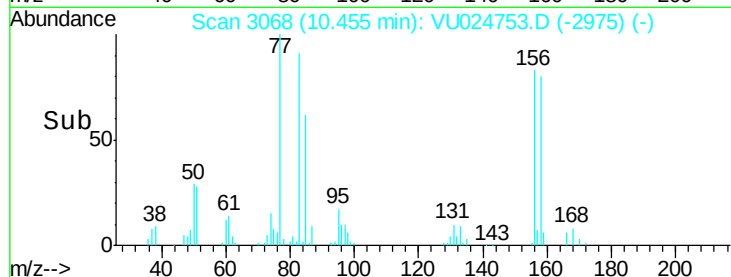
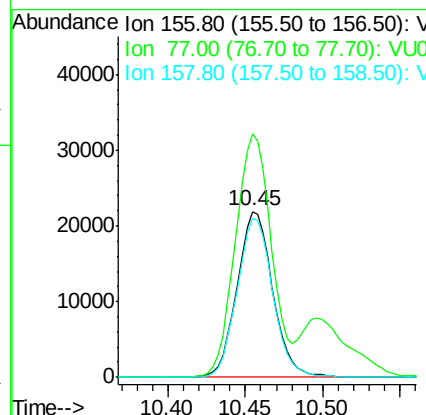
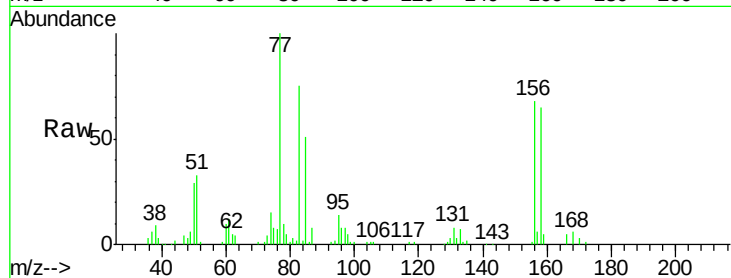
ClientSampleId :

VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.5	80.5	241.3
158	96.3	48.2	144.6

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#78

n-propylbenzene

Concen: 14.60 ug/l

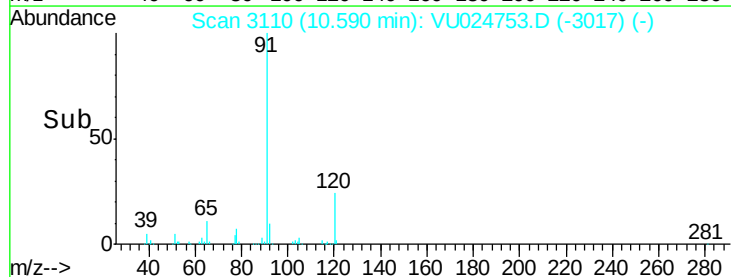
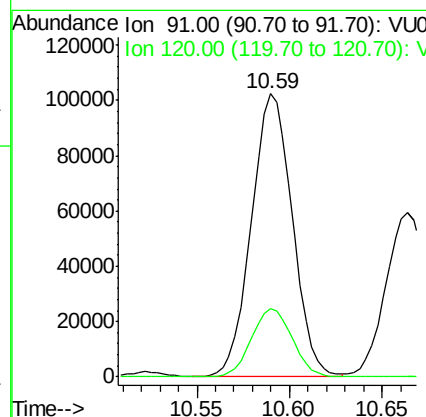
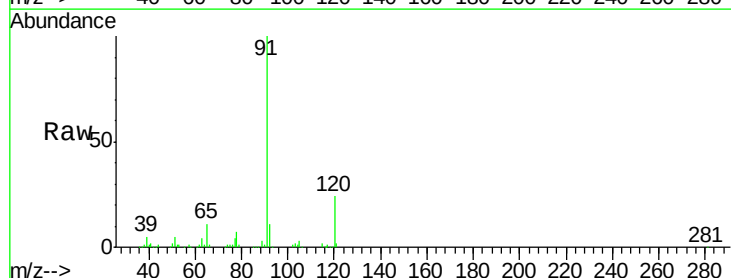
RT: 10.59 min Scan# 3110

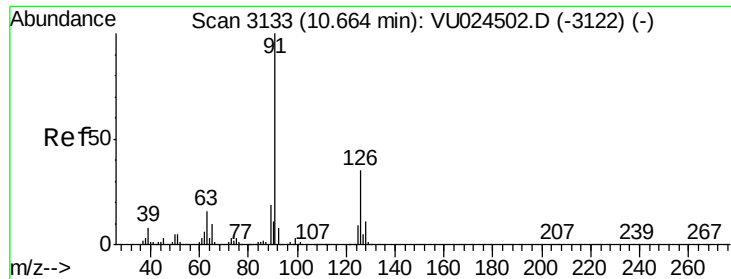
Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 14.98 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampleId :

VU0620WBSD01

Tot Ion: 91 Resp: 94938

Ion Ratio Lower Upper

91 100

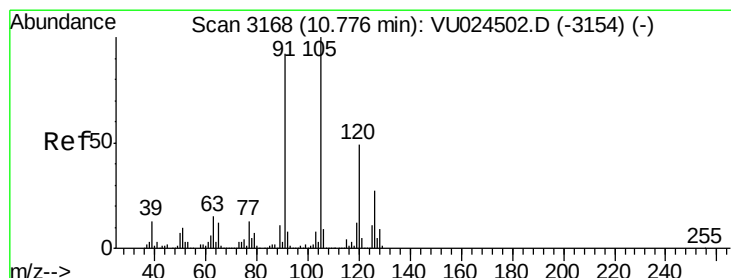
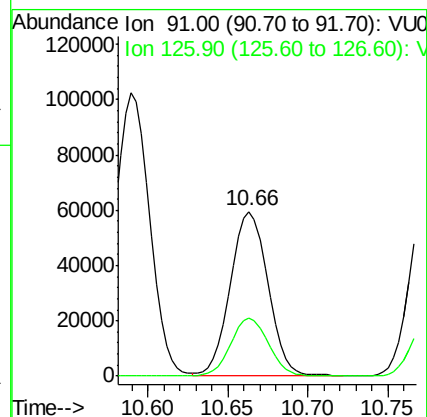
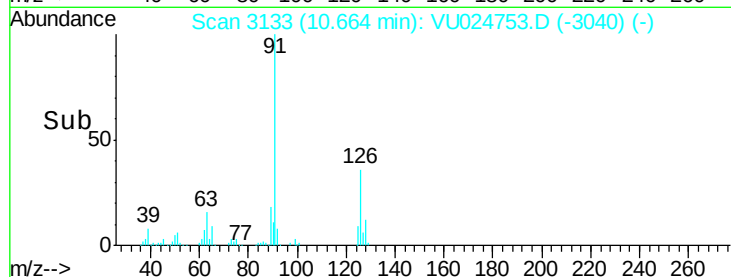
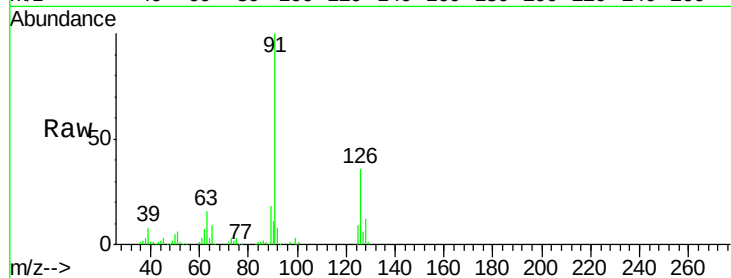
126 35.4 16.9 50.7

Manual Integrations

APPROVED

apatel

6/21/2018 1:44:37 PM



#80

1,3,5-Trimethylbenzene

Concen: 15.03 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024753.D

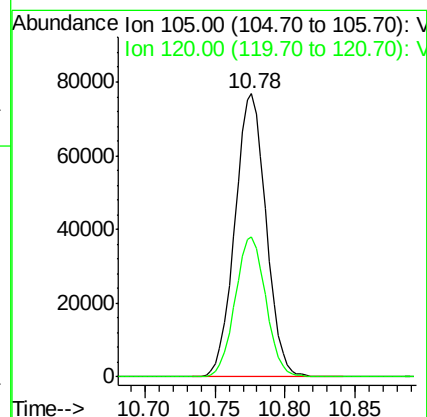
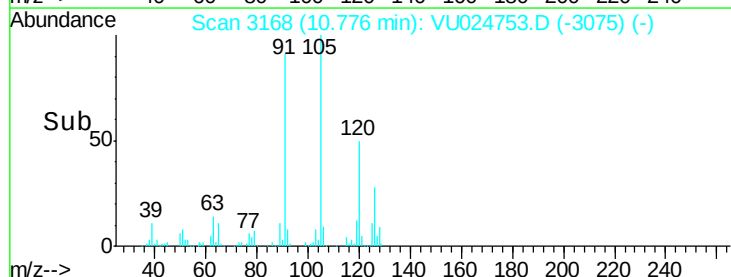
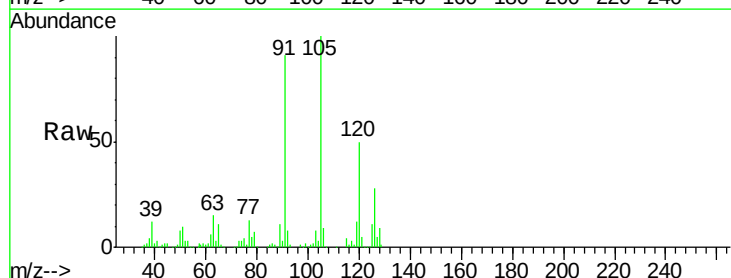
Acq: 20 Jun 2018 13:23

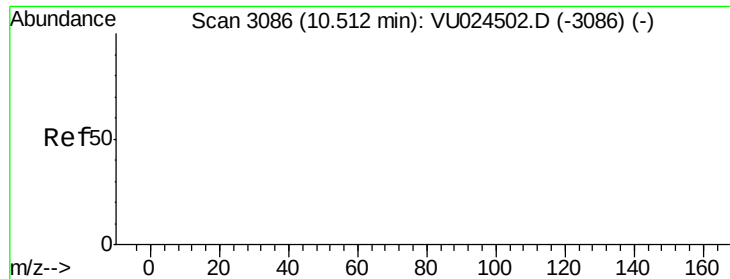
Tgt Ion: 105 Resp: 118797

Ion Ratio Lower Upper

105 100

120 48.7 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 12.21 ug/l m

RT: 10.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

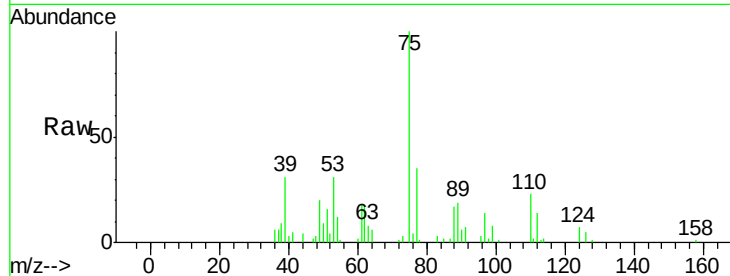
ClientSampleId :

VU0620WBSD01

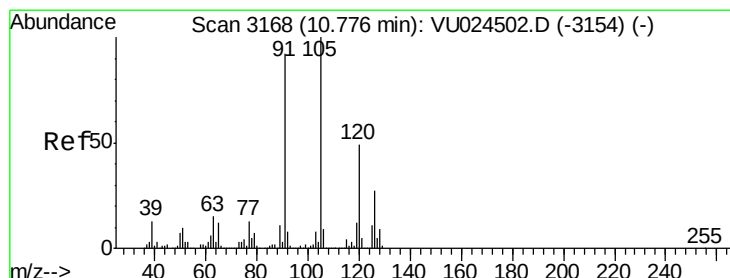
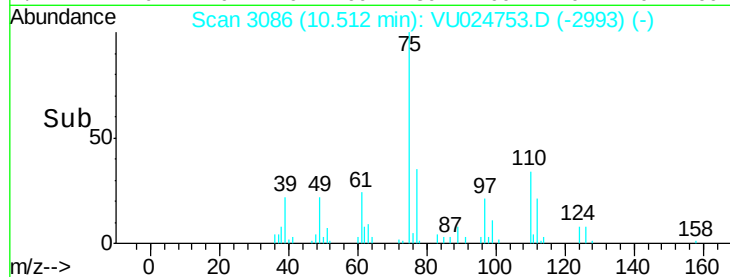
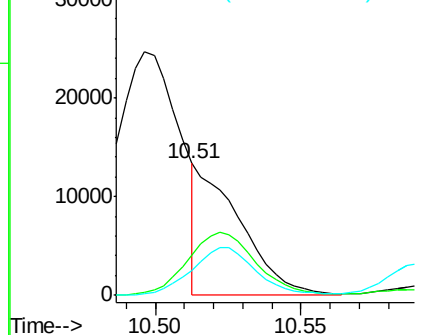
Tot Ion:	75	Resp:	13805
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0



#82

4-Chlorotoluene

Concen: 14.69 ug/l

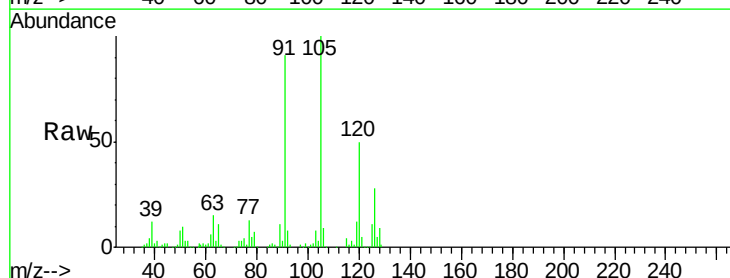
RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

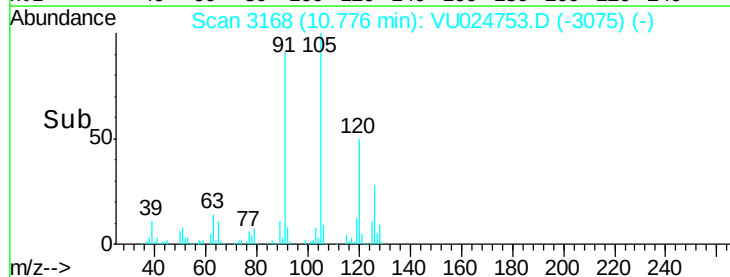
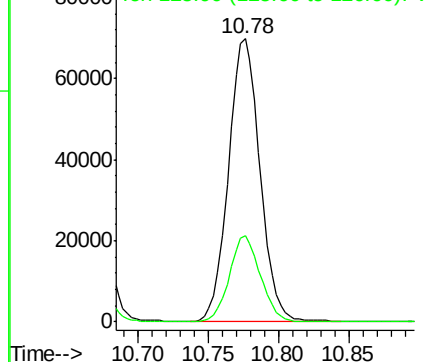
Lab File: VU024753.D

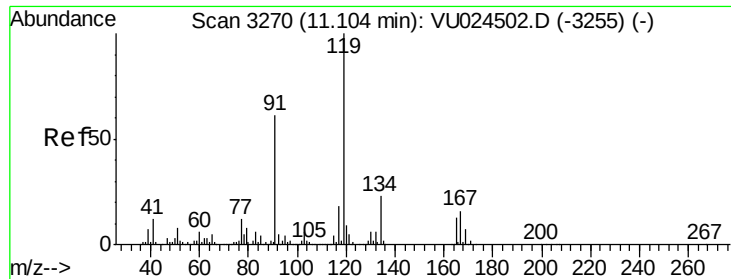
Acq: 20 Jun 2018 13:23

Tgt Ion:	91	Resp:	108378
Ion Ratio	Lower	Upper	
91	100		
126	30.3	14.9	44.9



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 125.90 (125.60 to 126.60): V





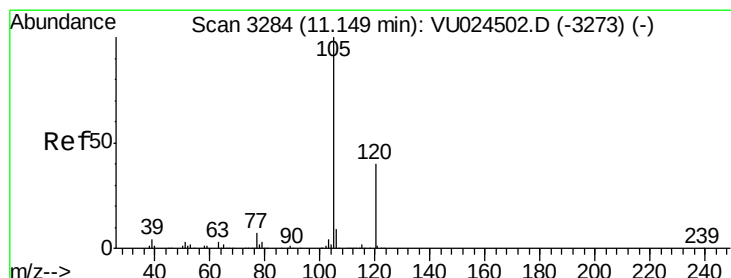
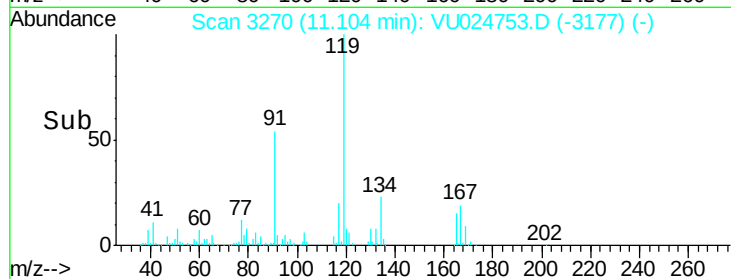
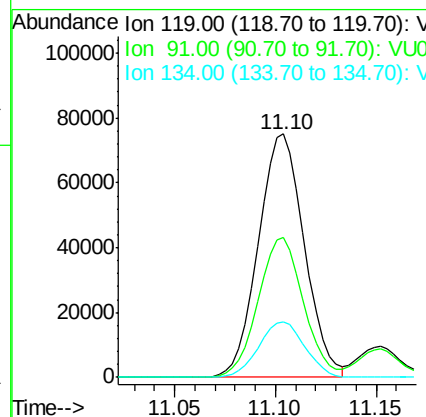
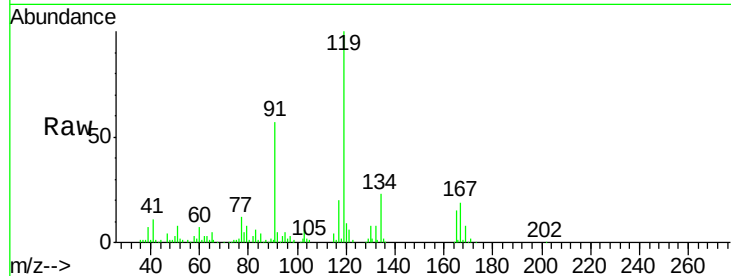
#83
 tert-Butylbenzene
 Concen: 15.71 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.6	29.7	89.1
134	22.9	11.6	34.7

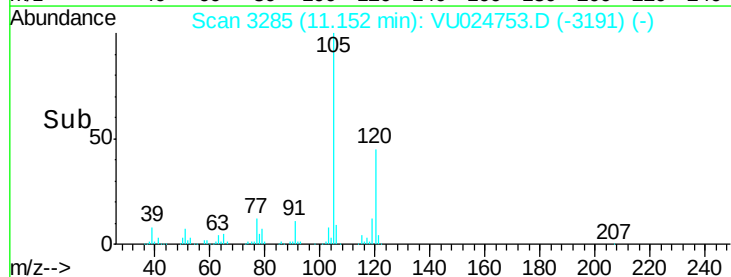
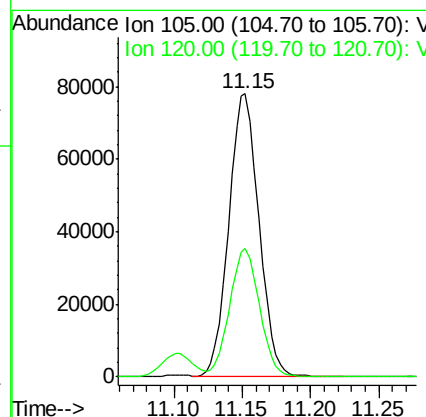
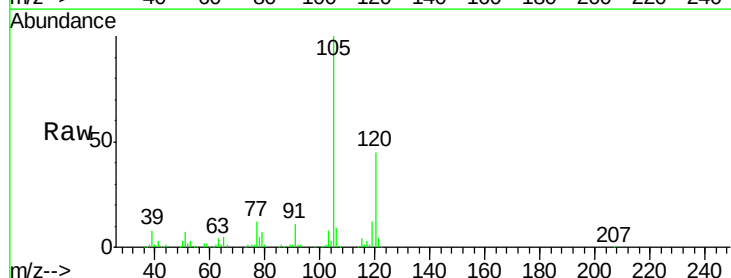
Manual Integrations
 APPROVED

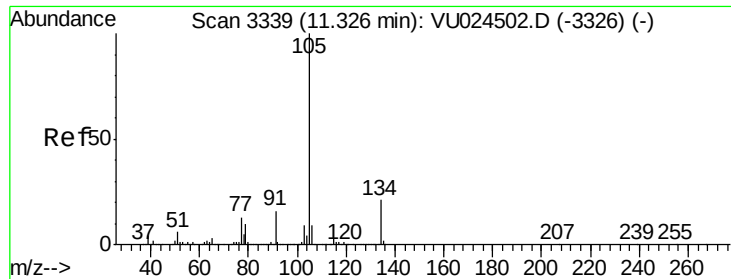
apatel
 6/21/2018 1:44:37 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 14.91 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.6	67.8





#85

sec-Butylbenzene

Concen: 14.84 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

ClientSampled :

VU0620WBSD01

Tot Ion:105 Resp: 141262

Ion Ratio Lower Upper

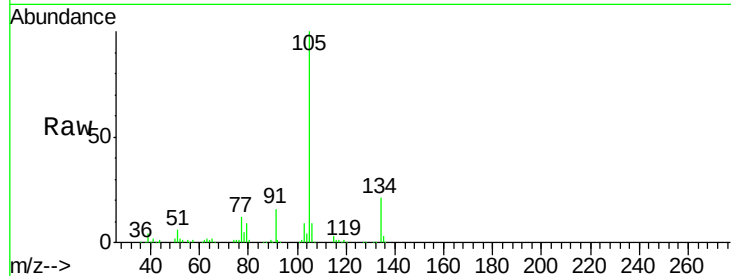
105 100

134 20.6 9.7 29.1

Manual Integrations
APPROVED

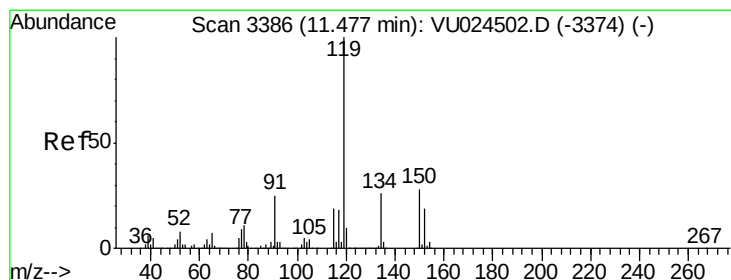
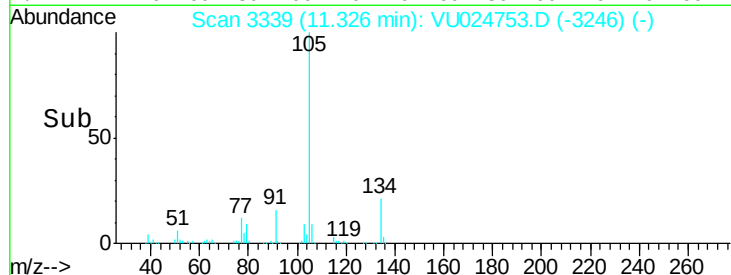
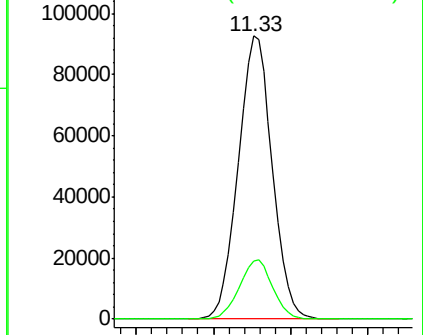
apatel

6/21/2018 1:44:37 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 14.63 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

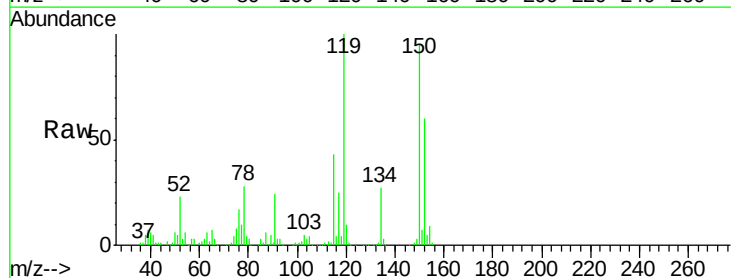
Tgt Ion:119 Resp: 124707

Ion Ratio Lower Upper

119 100

134 27.9 12.9 38.6

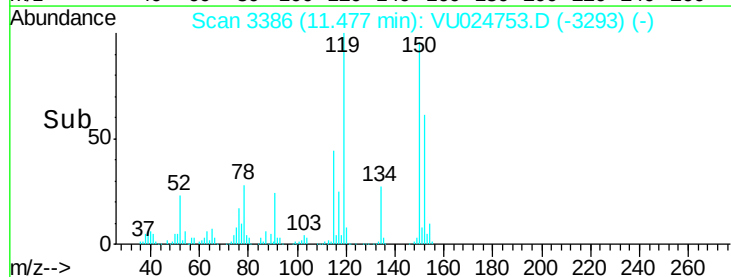
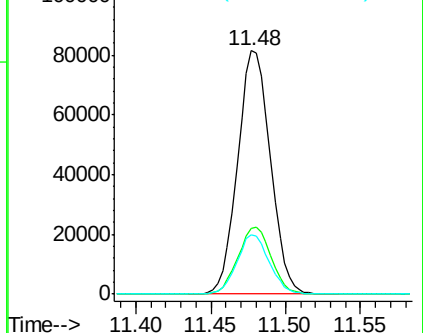
91 23.9 12.0 36.1

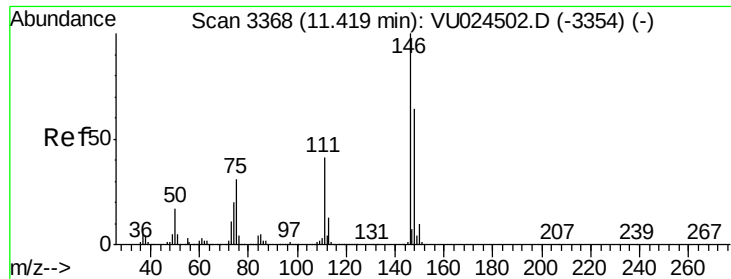


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0





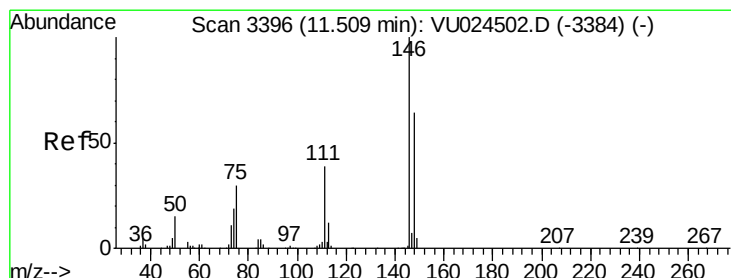
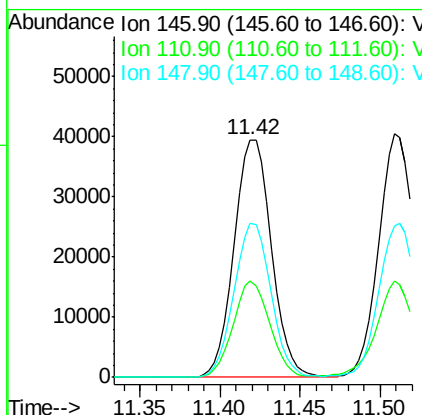
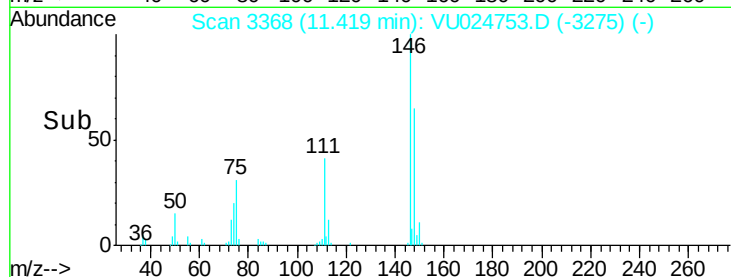
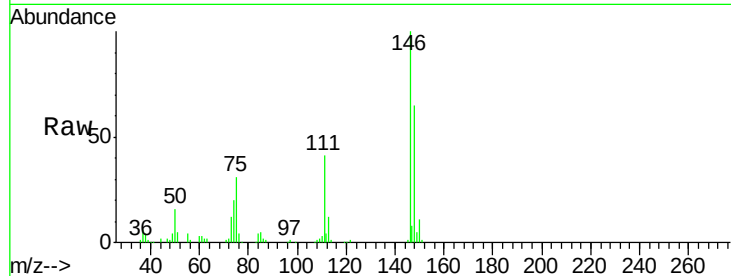
#87
 1,3-Dichlorobenzene
 Concen: 14.72 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	64.0	32.1	96.5

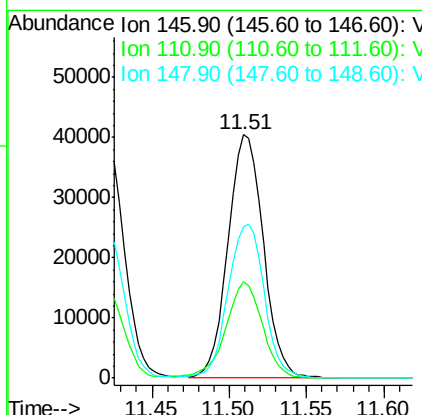
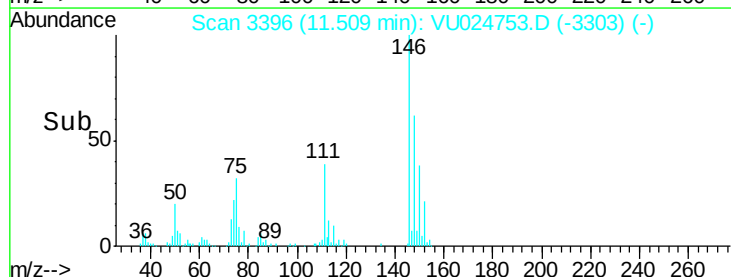
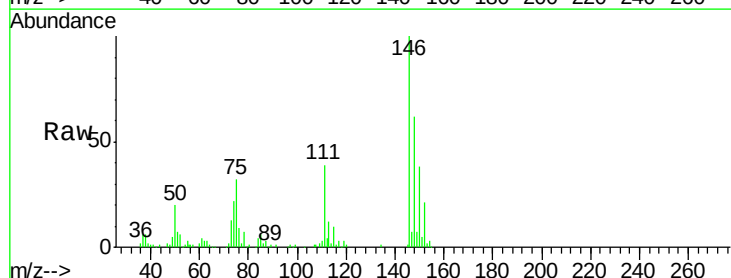
Manual Integrations
 APPROVED

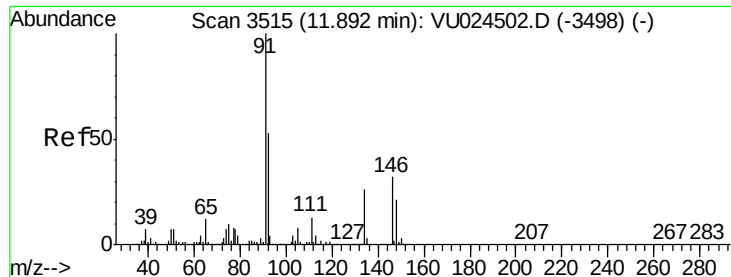
apatel
 6/21/2018 1:44:37 PM



#88
 1,4-Dichlorobenzene
 Concen: 14.97 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.5	58.5
148	64.9	32.4	97.0





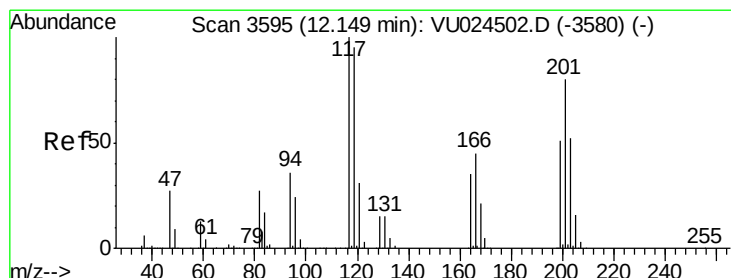
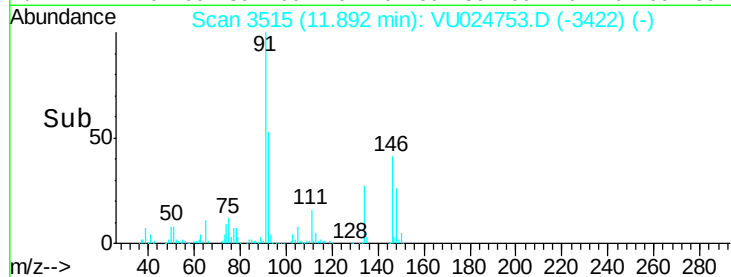
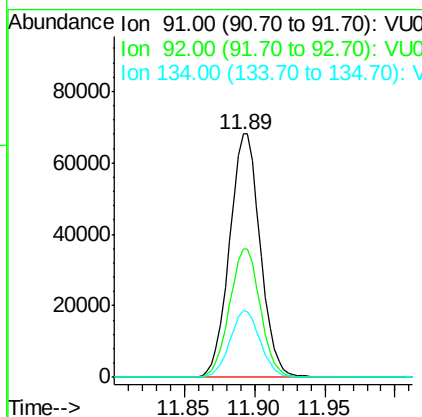
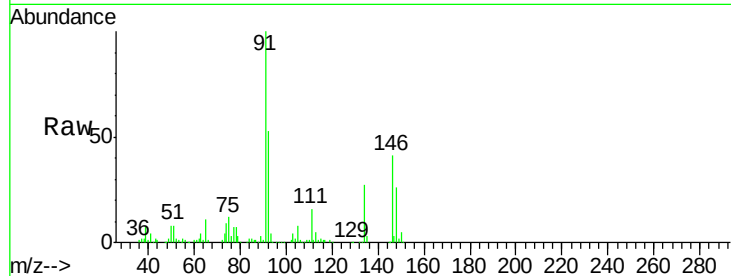
#89
n-Butylbenzene
Concen: 13.76 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Instrument :
MSVOA_U
ClientSampleId :
VU0620WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.8
134	26.9	12.3	36.8

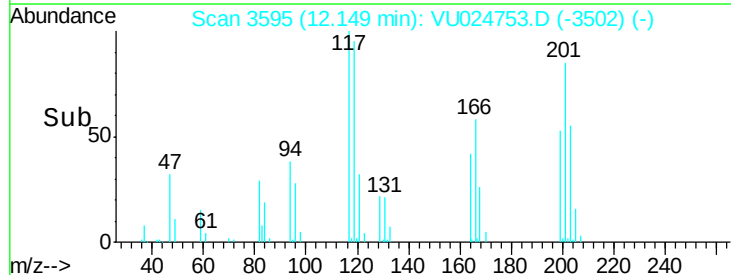
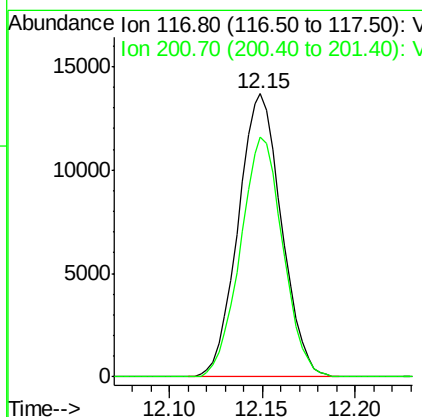
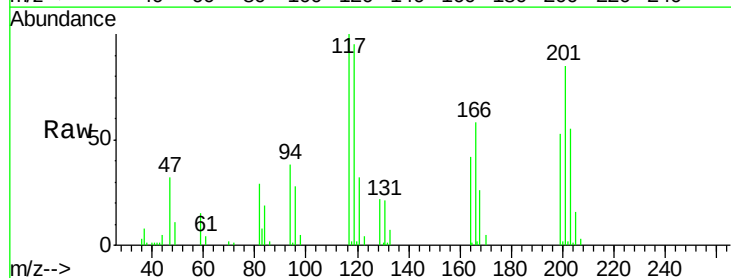
Manual Integrations
APPROVED

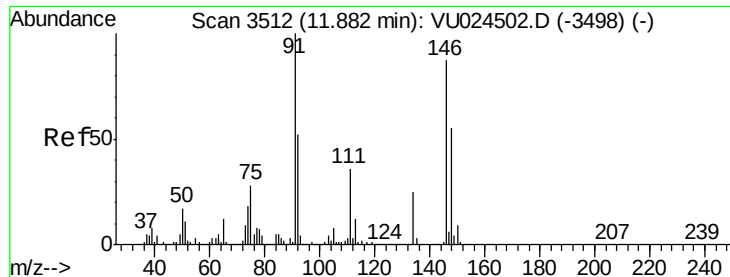
apatel
6/21/2018 1:44:37 PM



#90
Hexachloroethane
Concen: 13.31 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024753.D
Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 15.30 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

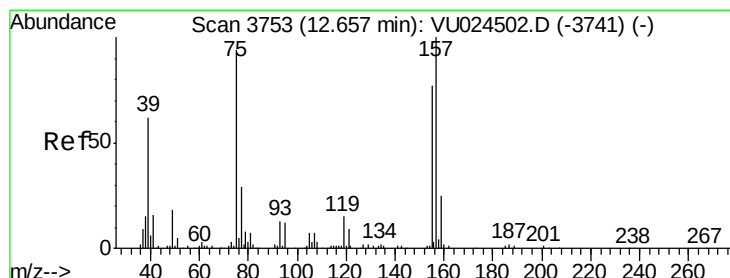
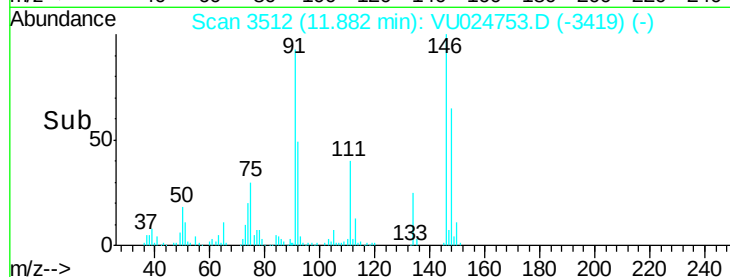
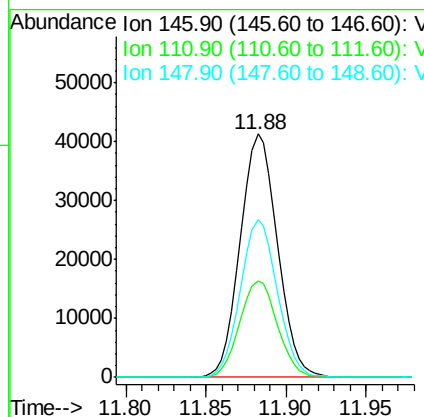
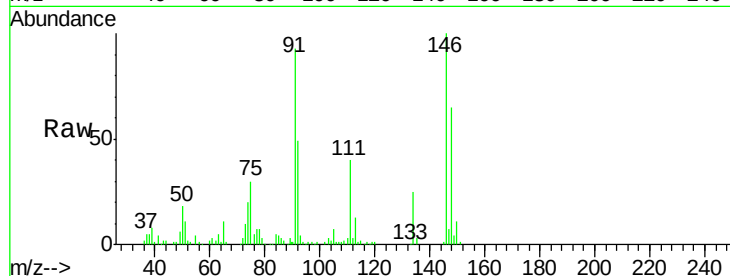
ClientSampleId :

VU0620WBSD01

Tot Ion:	146	Resp:	65385
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.5	61.6
148	64.4	31.9	95.7

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 13.10 ug/l

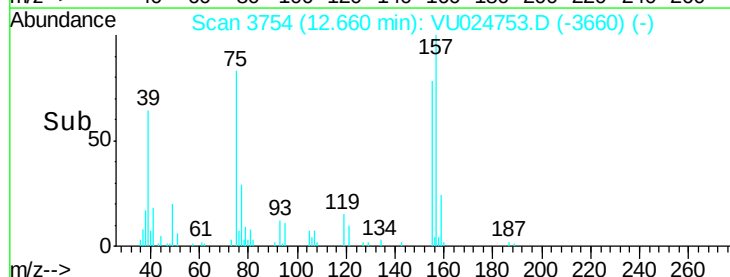
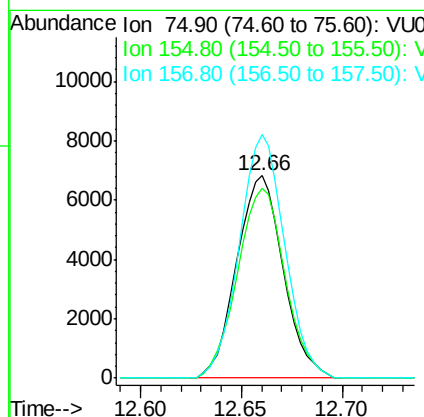
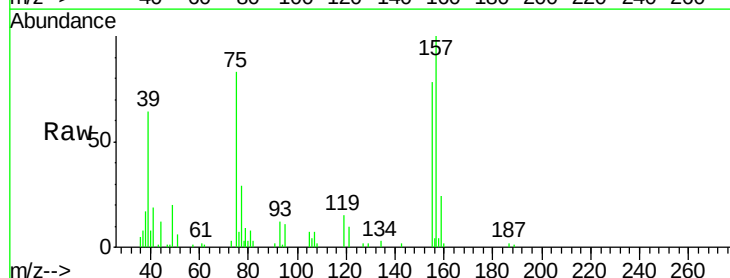
RT: 12.66 min Scan# 3754

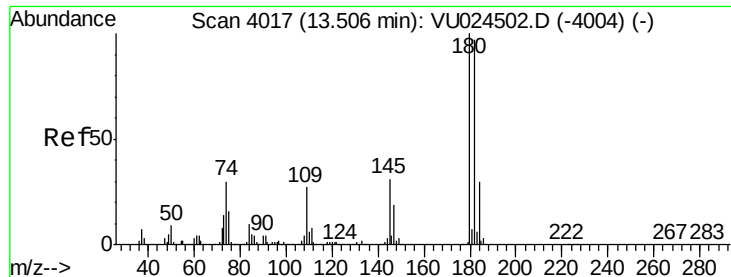
Delta R.T. 0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion:	75	Resp:	11050
Ion Ratio	Lower	Upper	
75	100		
155	95.8	40.4	121.2
157	117.0	52.3	156.8





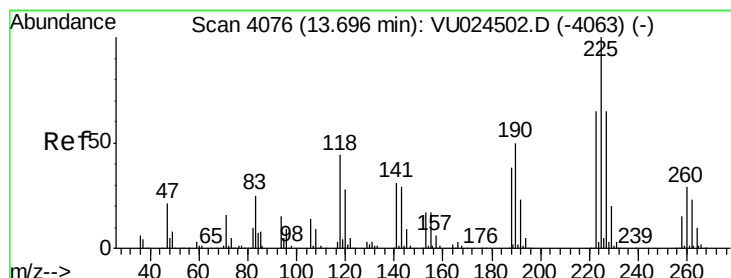
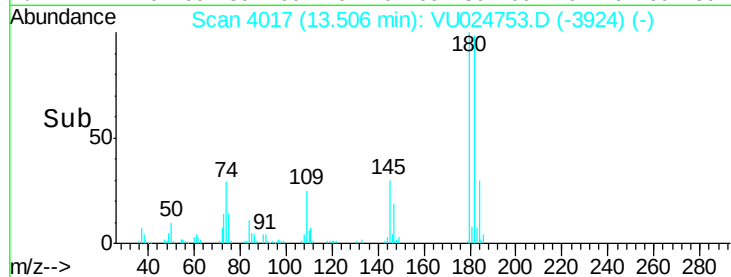
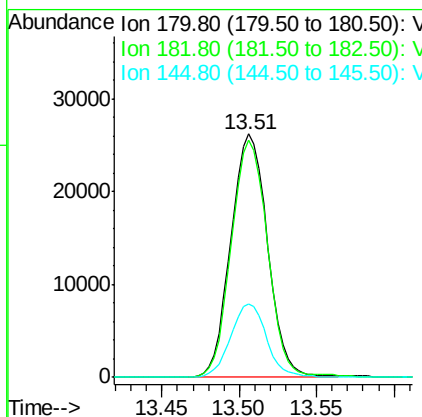
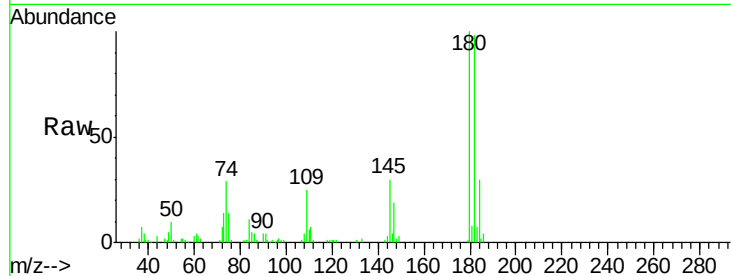
#93
 1,2,4-Trichlorobenzene
 Concen: 16.38 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Instrument :
 MSVOA_U
 ClientSampled :
 VU0620WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	43231		
182	96.5	48.0	144.2	
145	29.3	14.7	44.1	

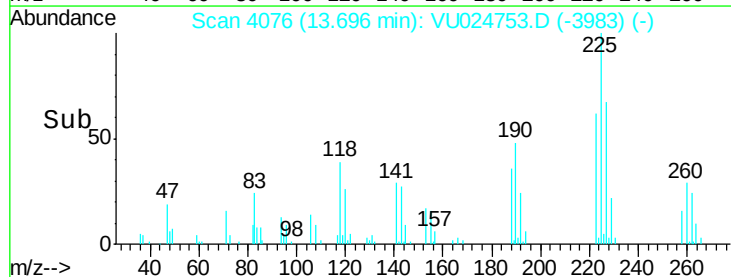
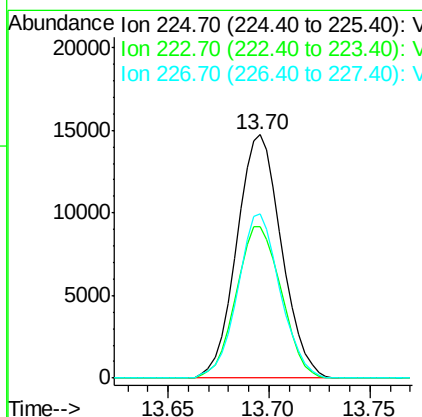
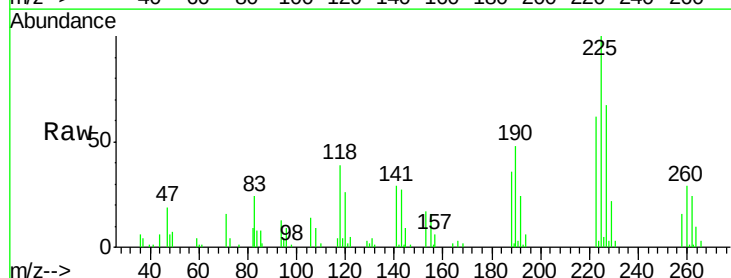
Manual Integrations
 APPROVED

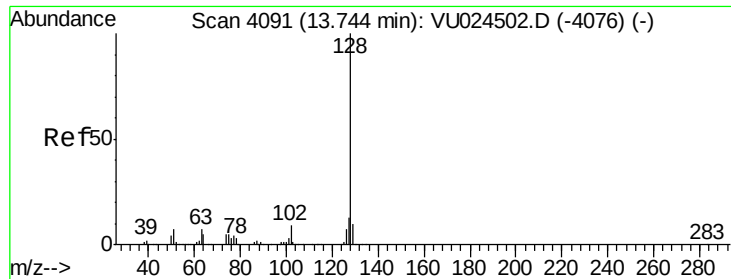
apatel
 6/21/2018 1:44:37 PM



#94
 Hexachlorobutadiene
 Concen: 15.43 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024753.D
 Acq: 20 Jun 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22911		
223	62.8	31.3	93.8	
227	63.8	31.8	95.4	





#95

Naphthalene

Concen: 16.80 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Instrument :

MSVOA_U

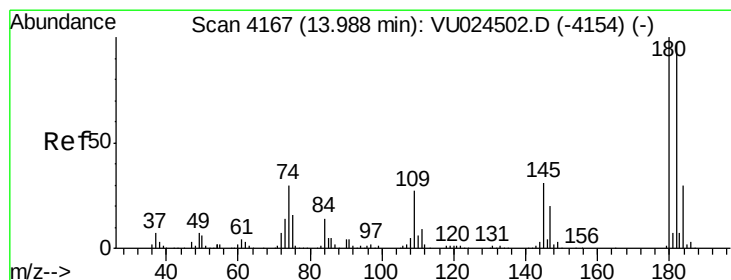
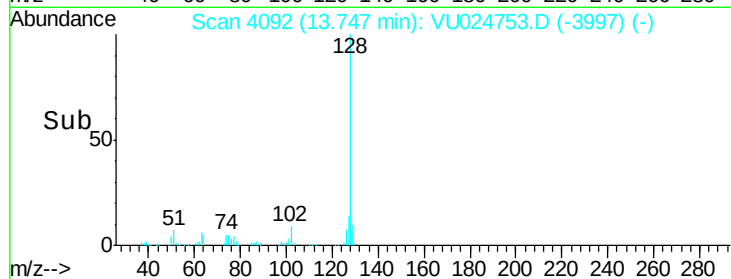
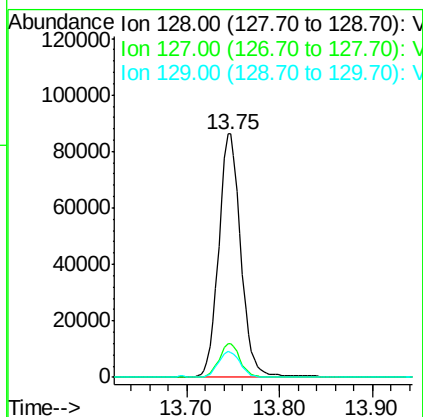
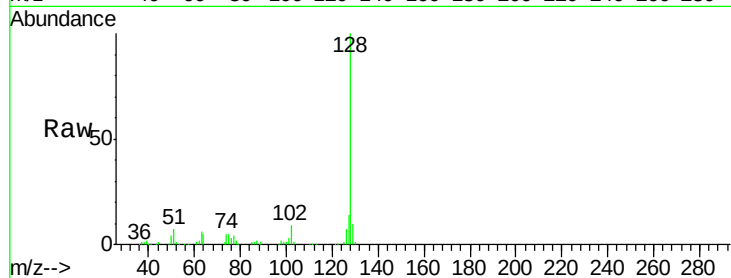
ClientSampleId :

VU0620WBSD01

Tot Ion:	128	Resp:	142773
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	10.4	8.6	12.8

Manual Integrations
APPROVED

apatel
6/21/2018 1:44:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.36 ug/l

RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024753.D

Acq: 20 Jun 2018 13:23

Tgt Ion:	180	Resp:	45640
Ion Ratio	Lower	Upper	
180	100		
182	95.5	47.9	143.7
145	30.1	15.4	46.1

