

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024865.D
 Acq On : 25 Jun 2018 11:03
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM

Quant Time: Jun 26 05:23:19 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	184329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	275387	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	262571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	159288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	141491	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	4.89	113	115473	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	7.57	98	386485	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	10.31	95	156225	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	96797	41.95	ug/l	96
3) Chloromethane	1.33	50	95878	40.68	ug/l	99
4) Vinyl Chloride	1.40	62	103200	42.45	ug/l	99
5) Bromomethane	1.63	94	60067	51.11	ug/l	100
6) Chloroethane	1.70	64	68567	50.49	ug/l	98
7) Trichlorofluoromethane	1.89	101	175951	47.43	ug/l	97
8) Diethyl Ether	2.10	74	66565	52.83	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	105150	45.69	ug/l	98
10) Methyl Iodide	2.41	142	90377	46.78	ug/l	99
11) Tert butyl alcohol	2.83	59	140852	192.46	ug/l	100
12) 1,1-Dichloroethene	2.28	96	92766	44.20	ug/l	95
13) Acrolein	2.20	56	50812	132.21	ug/l	98
14) Allyl chloride	2.60	41	183338	47.05	ug/l	93
15) Acrylonitrile	2.94	53	313141	219.91	ug/l	99
16) Acetone	2.32	43	419249	259.30	ug/l	98
17) Carbon Disulfide	2.48	76	259570	38.62	ug/l	100
18) Methyl Acetate	2.62	43	172368	49.73	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	389178	49.33	ug/l	95
20) Methylene Chloride	2.70	84	112412	44.31	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	103705	44.86	ug/l	96
22) Diisopropyl ether	3.57	45	371683	48.11	ug/l	94
23) Vinyl Acetate	3.53	43	1620835	234.22	ug/l	99
24) 1,1-Dichloroethane	3.45	63	207468	46.68	ug/l	99
25) 2-Butanone	4.26	43	511500	235.52	ug/l	96
26) 2,2-Dichloropropane	4.23	77	195808	46.40	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	125931	47.38	ug/l	100
28) Bromochloromethane	4.55	49	95825	48.95	ug/l	88
29) Tetrahydrofuran	4.63	42	287501	213.77	ug/l	96
30) Chloroform	4.68	83	219017	48.69	ug/l	99
31) Cyclohexane	5.00	56	182516	46.09	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	195755	47.06	ug/l	96
36) 1,1-Dichloropropene	5.14	75	152820	47.22	ug/l	97
37) Ethyl Acetate	4.38	43	174232	49.40	ug/l	97
38) Carbon Tetrachloride	5.14	117	178142	50.06	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062518\
 Data File : VU024865.D
 Acq On : 25 Jun 2018 11:03
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM

Quant Time: Jun 26 05:23:19 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	190173	47.09	ug/l	96
40) Benzene	5.39	78	448231	48.61	ug/l	99
41) Methacrylonitrile	4.54	41	97131	51.08	ug/l	98
42) 1,2-Dichloroethane	5.41	62	185371	52.78	ug/l	100
43) Isopropyl Acetate	5.55	43	283432	46.49	ug/l	98
44) Trichloroethene	6.19	130	126641	48.26	ug/l	95
45) 1,2-Dichloropropane	6.44	63	124189	50.48	ug/l	98
46) Dibromomethane	6.56	93	89920	52.03	ug/l	96
47) Bromodichloromethane	6.76	83	176764	51.37	ug/l	99
48) Methyl methacrylate	6.62	41	142922	48.14	ug/l	98
49) 1,4-Dioxane	6.63	88	62520	1076.88	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	896792	234.14	ug/l	98
52) Toluene	7.64	92	293359	49.45	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	195100	50.48	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	202444	49.16	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	124775	51.74	ug/l	98
56) Ethyl methacrylate	8.02	69	201235	49.86	ug/l	99
57) 1,3-Dichloropropane	8.25	76	209152	51.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	226883	146.73	ug/l	94
59) 2-Hexanone	8.36	43	739065	236.35	ug/l	99
60) Dibromochloromethane	8.48	129	148489	49.38	ug/l	99
61) 1,2-Dibromoethane	8.59	107	134865	50.25	ug/l	98
64) Tetrachloroethene	8.23	164	112676	45.15	ug/l	96
65) Chlorobenzene	9.12	112	335672	50.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	130122	51.06	ug/l	98
67) Ethyl Benzene	9.25	91	576443	49.02	ug/l	98
68) m/p-Xylenes	9.38	106	452325	100.17	ug/l	97
69) o-Xylene	9.78	106	222207	49.72	ug/l	95
70) Styrene	9.80	104	365533	49.77	ug/l	99
71) Bromoform	9.96	173	120450	49.73	ug/l #	97
73) Isopropylbenzene	10.17	105	602314	49.25	ug/l	99
74) N-amyl acetate	10.01	43	264486	45.47	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	202537	49.42	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	191701m	54.66	ug/l	
77) Bromobenzene	10.45	156	153982	49.73	ug/l	96
78) n-propylbenzene	10.59	91	692454	48.07	ug/l	97
79) 2-Chlorotoluene	10.66	91	411346	48.42	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	518442	48.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	68413m	45.15	ug/l	
82) 4-Chlorotoluene	10.78	91	480813	48.63	ug/l	100
83) tert-Butylbenzene	11.10	119	521028	51.10	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	532312	49.28	ug/l	99
85) sec-Butylbenzene	11.33	105	626263	49.07	ug/l	98
86) p-Isopropyltoluene	11.48	119	562217	49.18	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	286050	50.01	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	288161	50.05	ug/l	99
89) n-Butylbenzene	11.89	91	479617	47.26	ug/l	96
90) Hexachloroethane	12.15	117	101886	45.69	ug/l	96
91) 1,2-Dichlorobenzene	11.88	146	294647	51.43	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	51620	45.65	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
Data File : VU024865.D
Acq On : 25 Jun 2018 11:03
Operator : MD/SY
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM

Quant Time: Jun 26 05:23:19 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)
93) 1,2,4-Trichlorobenzene	13.51	180	204486	57.80	ug/l	99
94) Hexachlorobutadiene	13.70	225	103521	51.99	ug/l	99
95) Naphthalene	13.74	128	650452	55.46	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	212579	60.30	ug/l	99

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

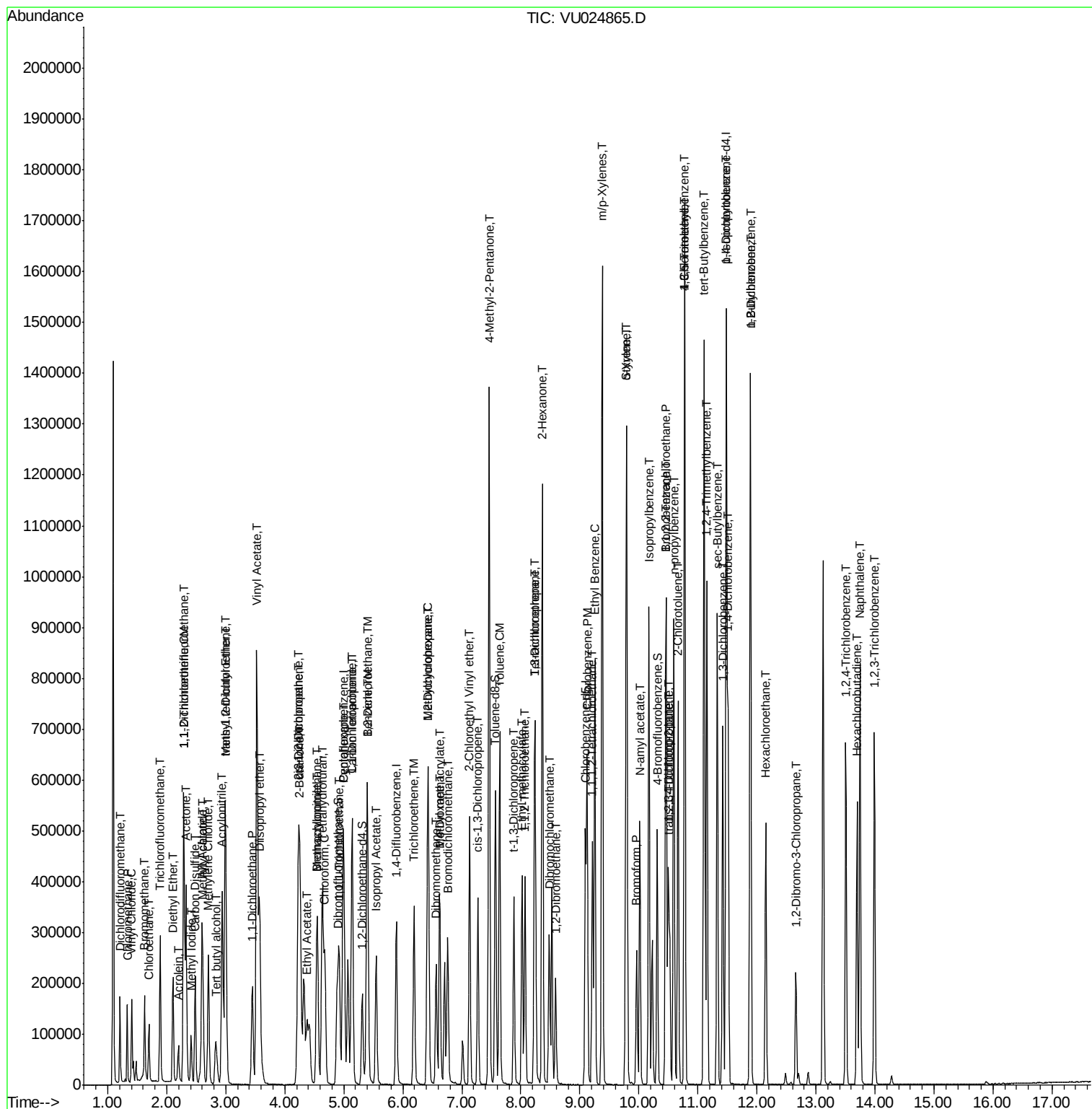
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024865.D
 Acq On : 25 Jun 2018 11:03
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM

Quant Time: Jun 26 05:23:19 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 184329

Ion Ratio Lower Upper

168 100

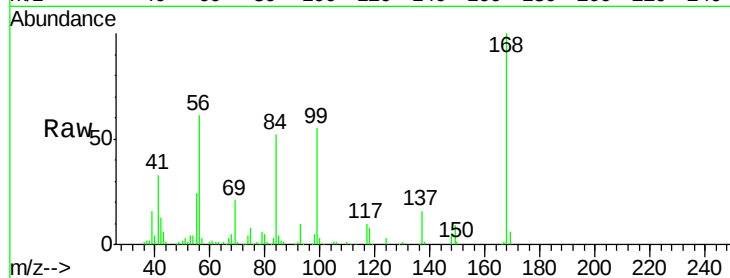
99 54.6 43.2 64.8

Manual Integrations

APPROVED

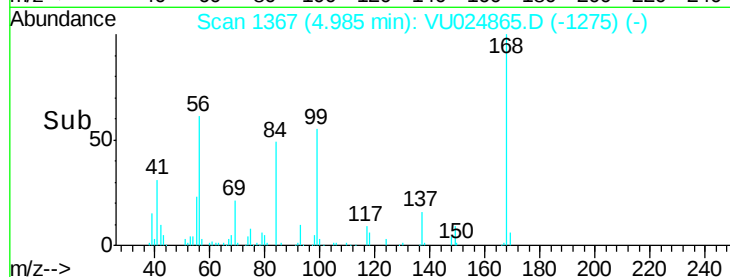
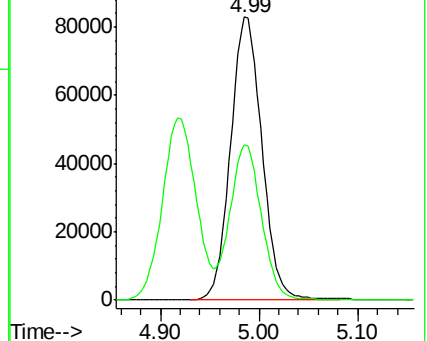
apatel

6/27/2018 11:18:47 AM



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

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



#2

Dichlorodifluoromethane

Concen: 41.95 ug/l

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU024865.D

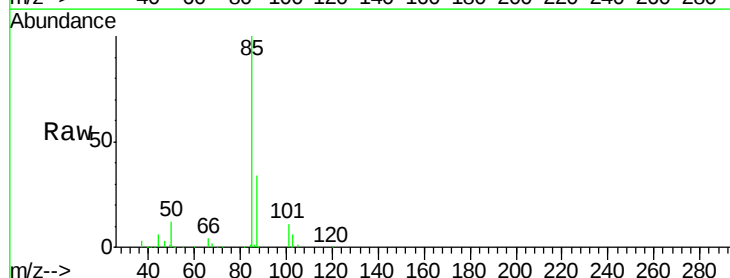
Acq: 25 Jun 2018 11:03

Tgt Ion: 85 Resp: 96797

Ion Ratio Lower Upper

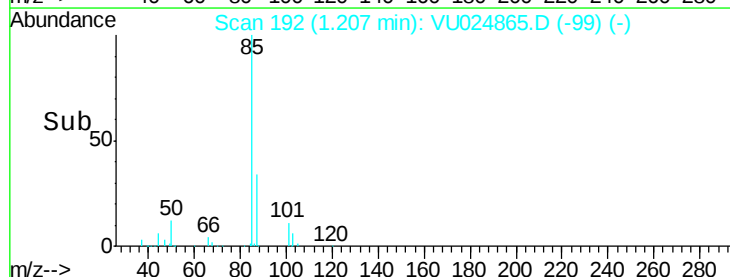
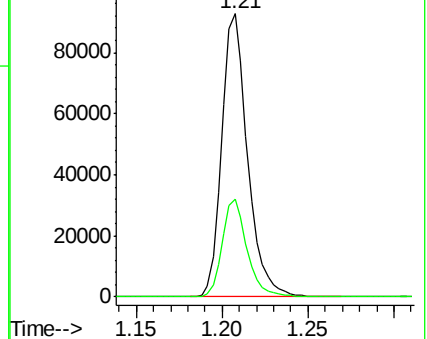
85 100

87 34.4 16.1 48.2



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

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





#3

Chloromethane

Concen: 40.68 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95878

Ion Ratio Lower Upper

50 100

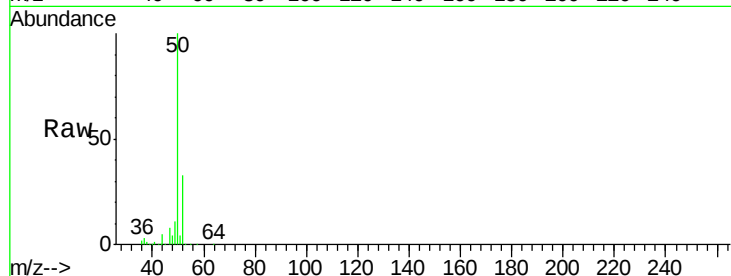
52 32.5 26.4 39.6

Manual Integrations

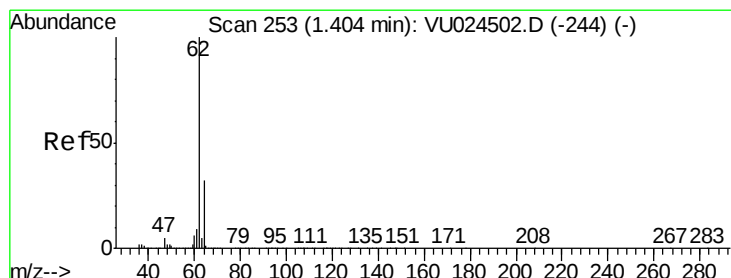
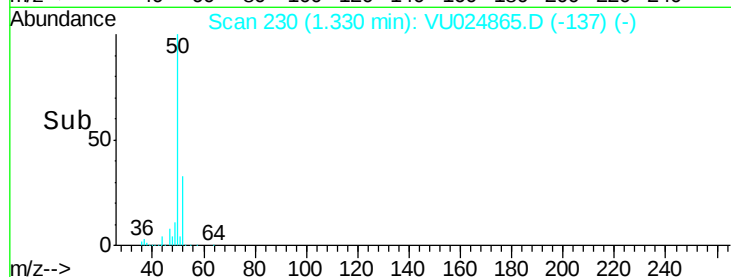
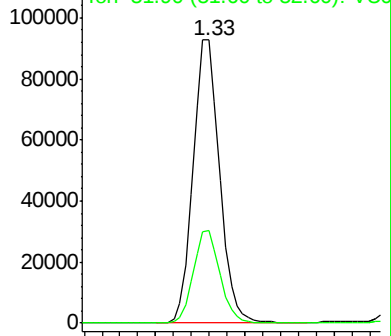
APPROVED

apatel

6/27/2018 11:18:47 AM



Abundance Ion 49.90 (49.60 to 50.60): VU024865.D (-137) (-)



#4

Vinyl Chloride

Concen: 42.45 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024865.D

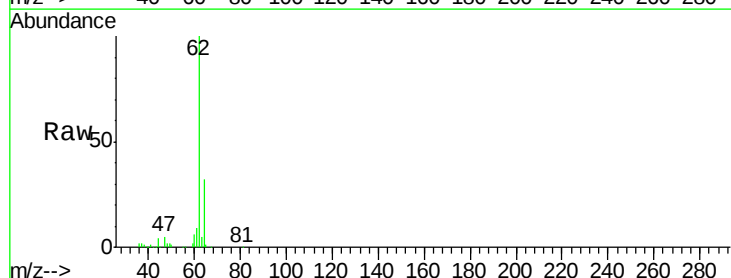
Acq: 25 Jun 2018 11:03

Tgt Ion: 62 Resp: 103200

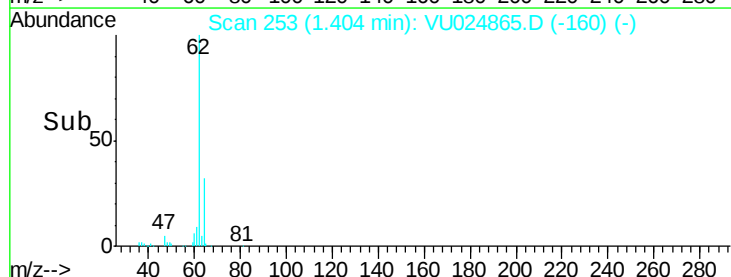
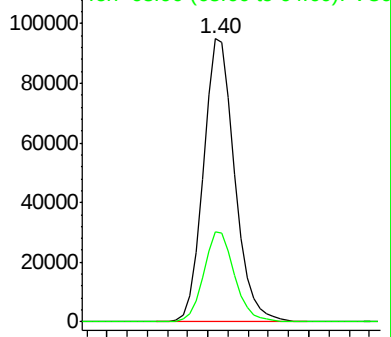
Ion Ratio Lower Upper

62 100

64 31.5 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024865.D (-160) (-)





#5

Bromomethane

Concen: 51.11 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 60067

Ion Ratio Lower Upper

94 100

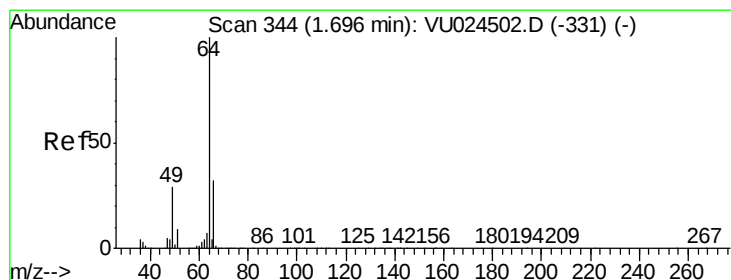
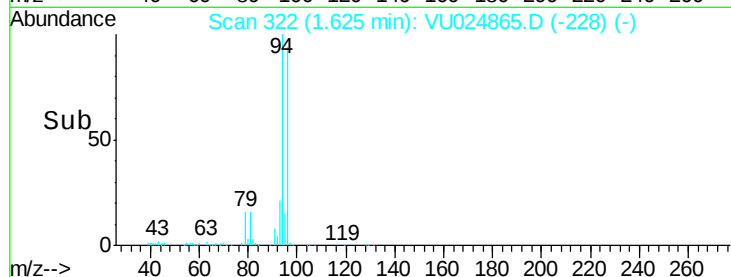
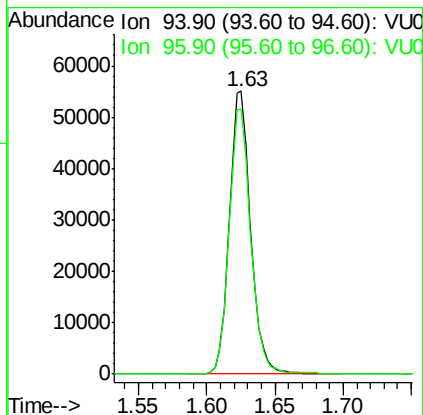
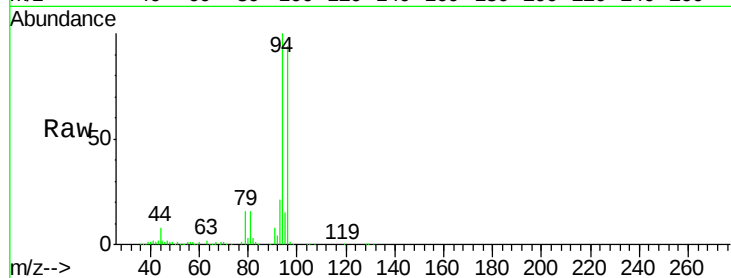
96 93.3 74.5 111.7

Manual Integrations

APPROVED

apatel

6/27/2018 11:18:47 AM



#6

Chloroethane

Concen: 50.49 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024865.D

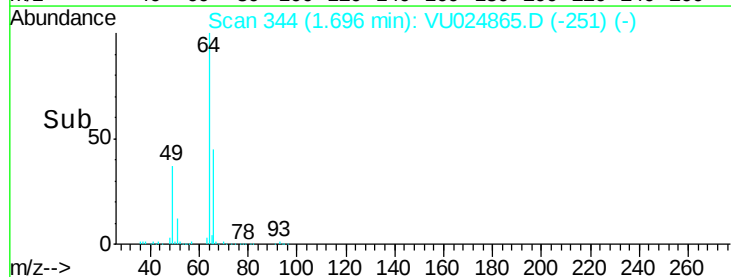
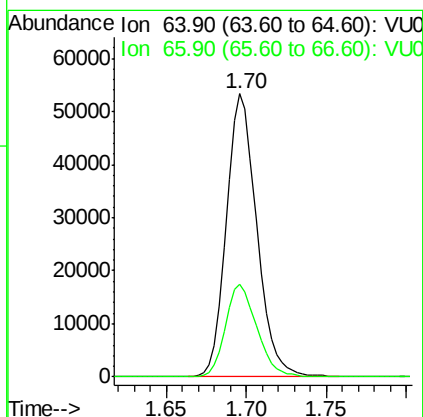
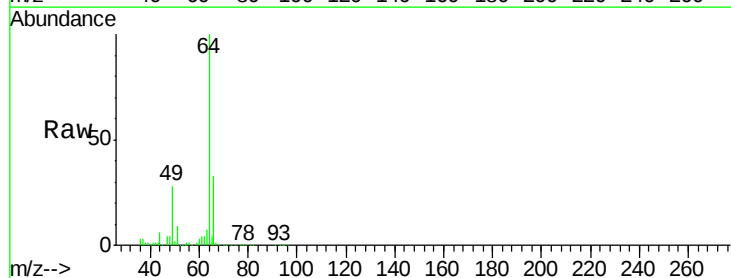
Acq: 25 Jun 2018 11:03

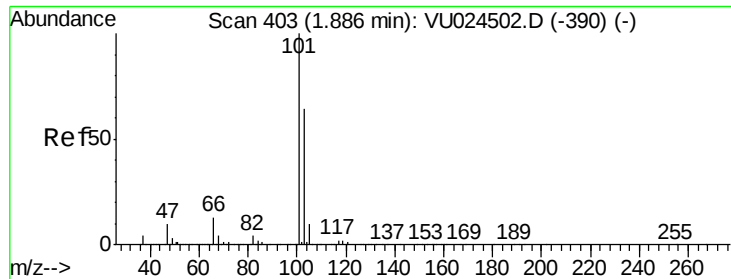
Tgt Ion: 64 Resp: 68567

Ion Ratio Lower Upper

64 100

66 32.8 25.5 38.3





#7

Trichlorofluoromethane

Concen: 47.43 ug/l

RT: 1.89 min Scan# 403

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 175951

Ion Ratio Lower Upper

101 100

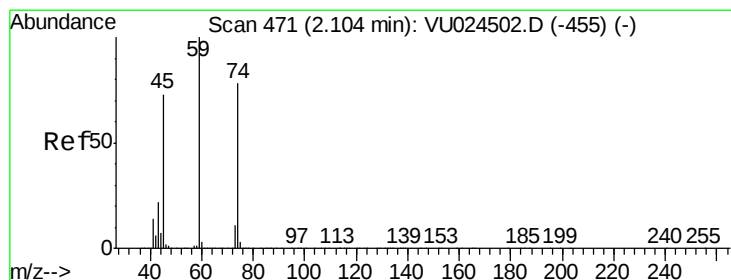
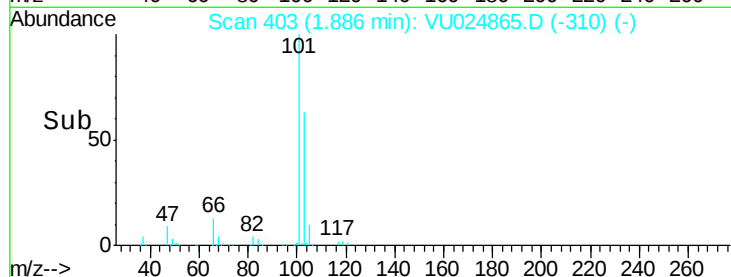
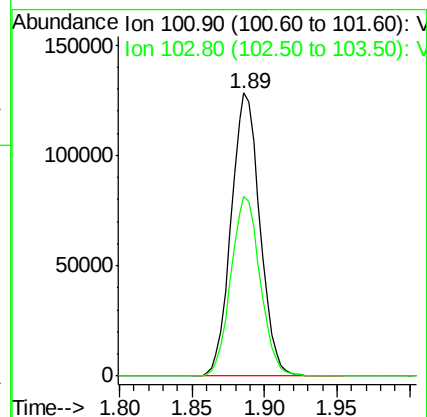
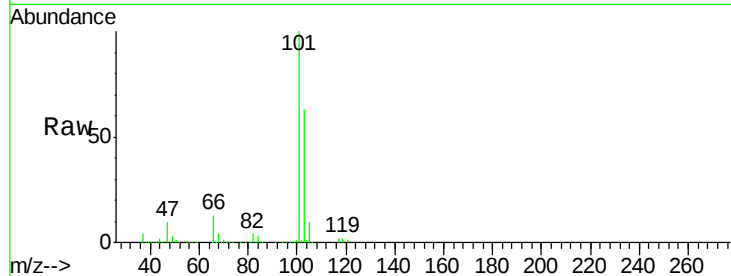
103 63.3 52.3 78.5

Manual Integrations

APPROVED

apatel

6/27/2018 11:18:47 AM



#8

Diethyl Ether

Concen: 52.83 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU024865.D

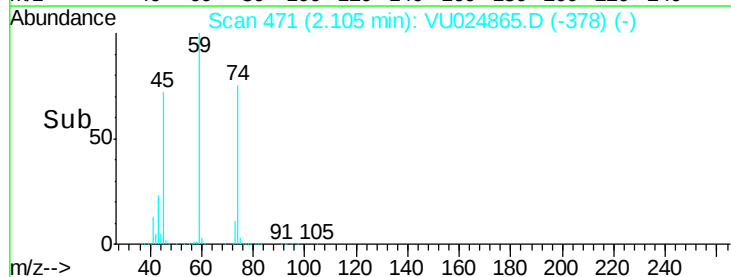
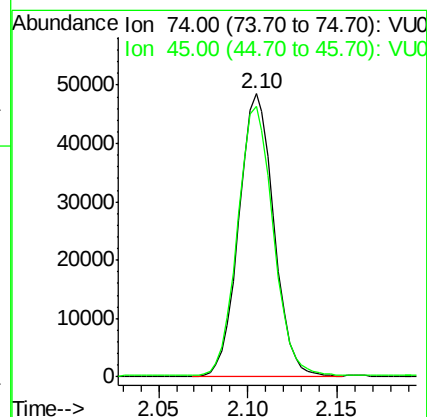
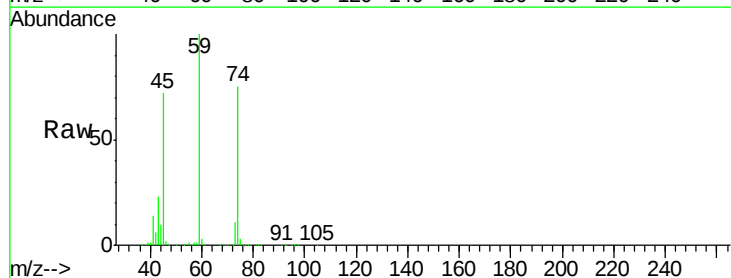
Acq: 25 Jun 2018 11:03

Tgt Ion: 74 Resp: 66565

Ion Ratio Lower Upper

74 100

45 96.6 55.0 165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.69 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

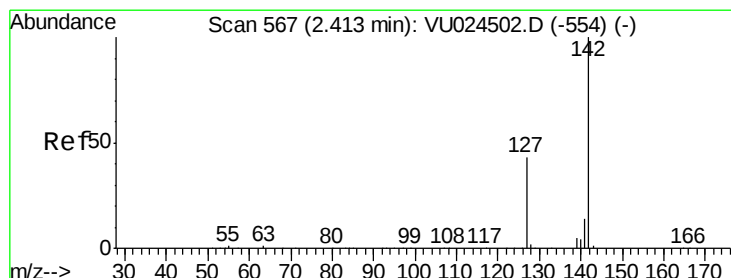
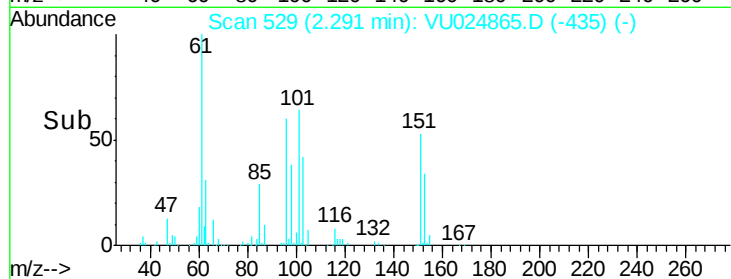
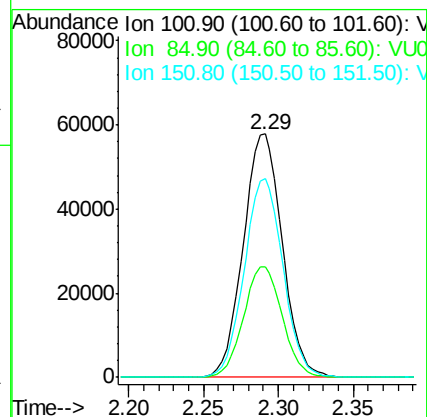
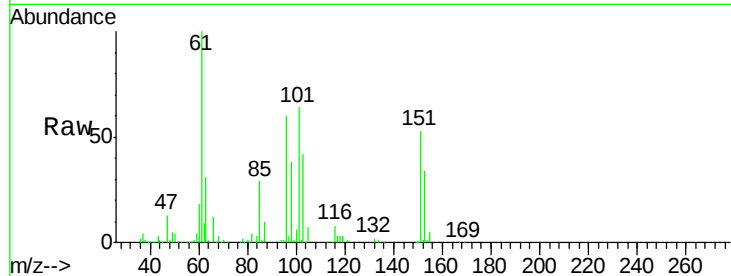
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	105150
Ion Ratio	Lower	Upper	
101	100		
85	45.1	36.0	54.0
151	81.0	62.3	93.5

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#10

Methyl Iodide

Concen: 46.78 ug/l

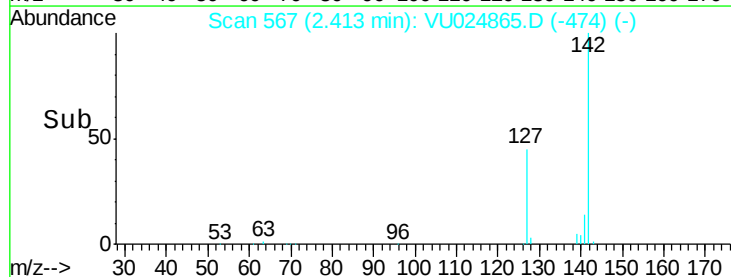
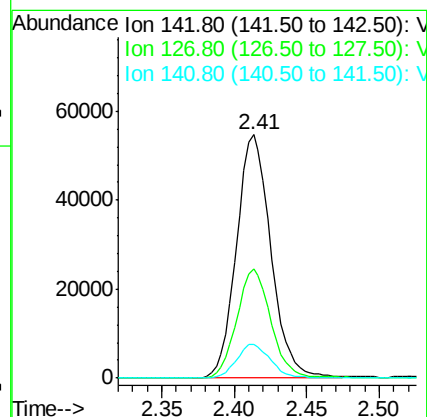
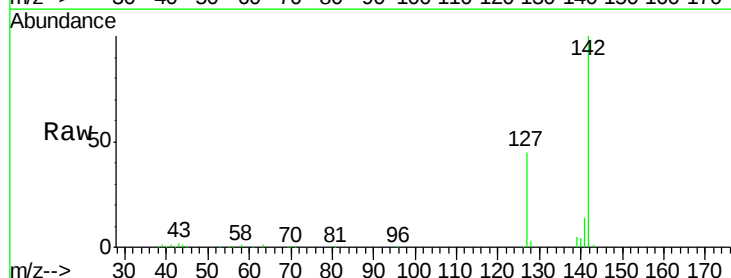
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	142	Resp:	90377
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.6	53.4
141	13.7	11.7	17.5





#11

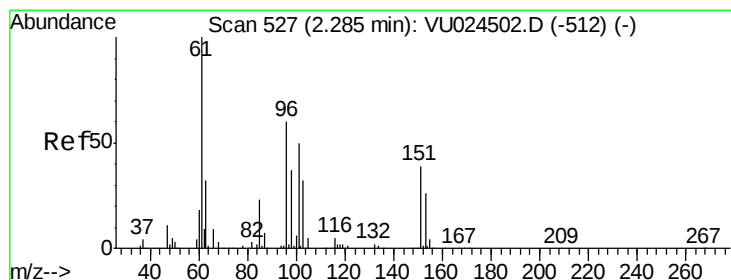
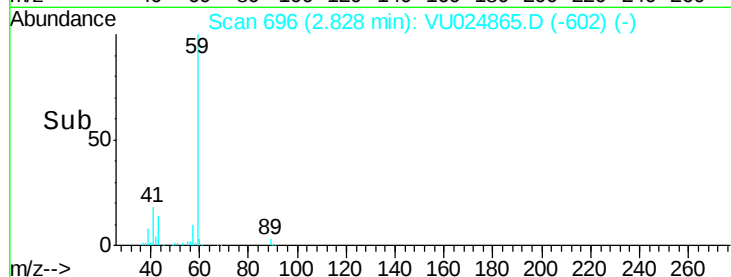
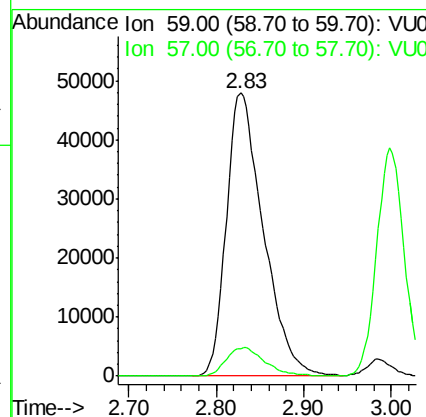
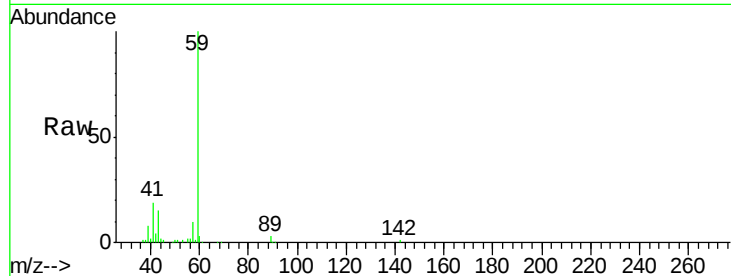
Tert butyl alcohol
Concen: 192.46 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

Manual Integrations
APPROVED

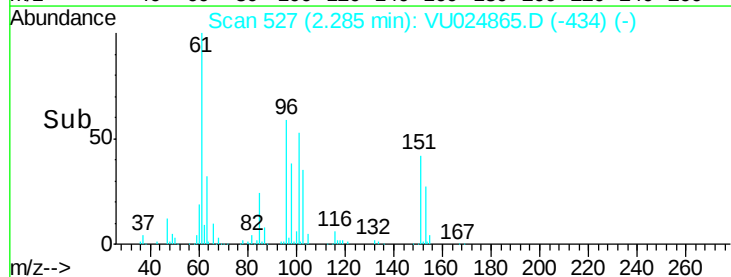
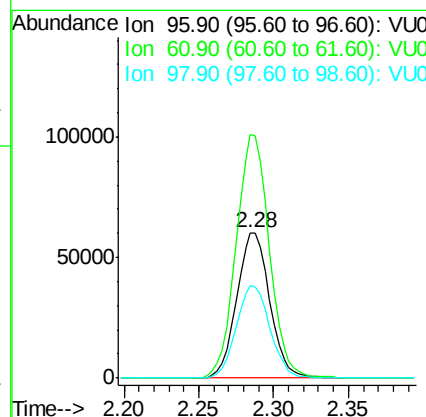
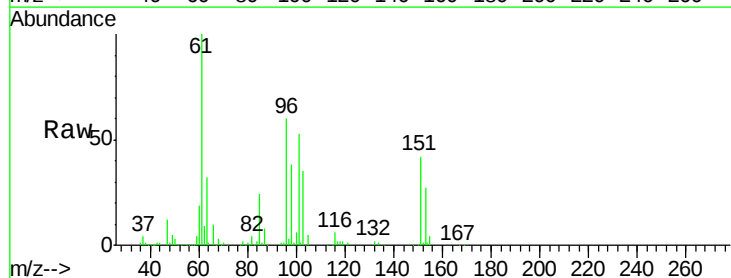
apatel
6/27/2018 11:18:47 AM

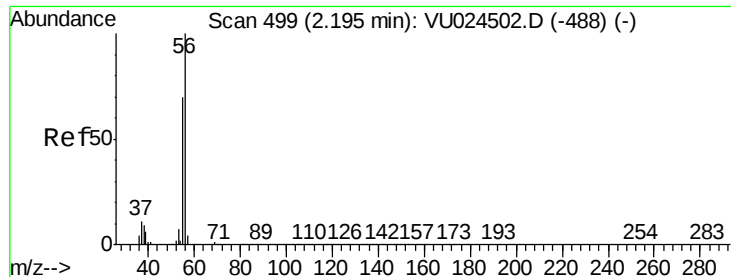


#12

1,1-Dichloroethene
Concen: 44.20 ug/l
RT: 2.28 min Scan# 527
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	141.7	212.5
98	63.7	51.6	77.4





#13

Acrolein

Concen: 132.21 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50812

Ion Ratio Lower Upper

56 100

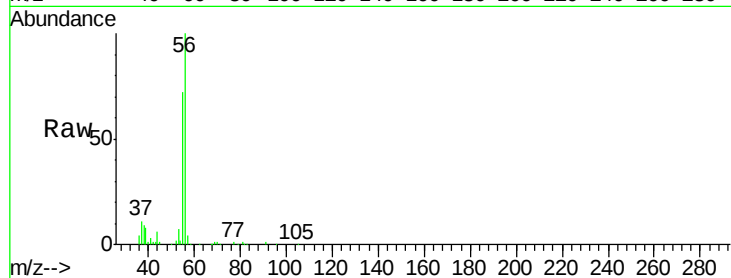
55 71.5 58.4 87.6

Manual Integrations

APPROVED

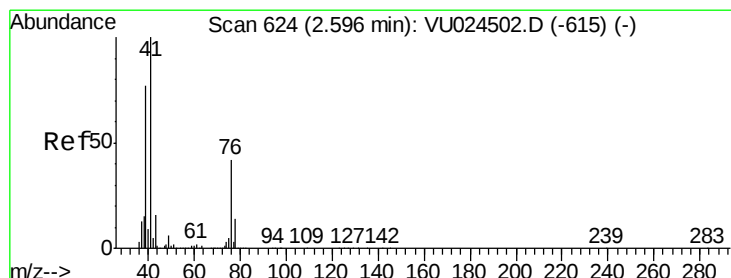
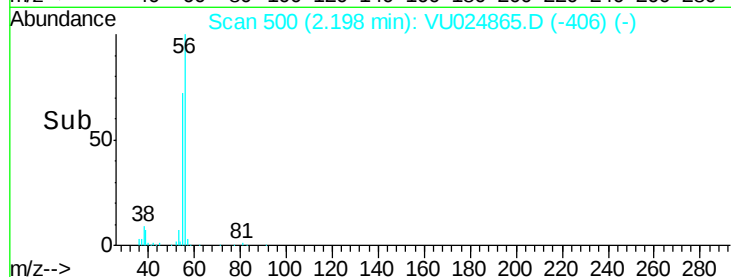
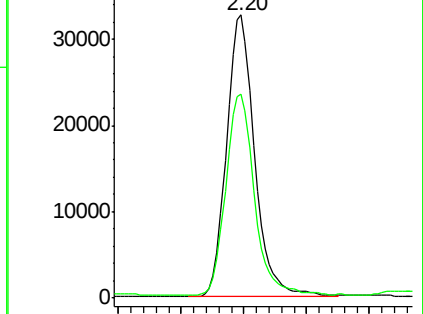
apatel

6/27/2018 11:18:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VU024865.D (-406) (-)

Ion 55.00 (54.70 to 55.70): VU024865.D (-406) (-)



#14

Allyl chloride

Concen: 47.05 ug/l

RT: 2.60 min Scan# 624

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

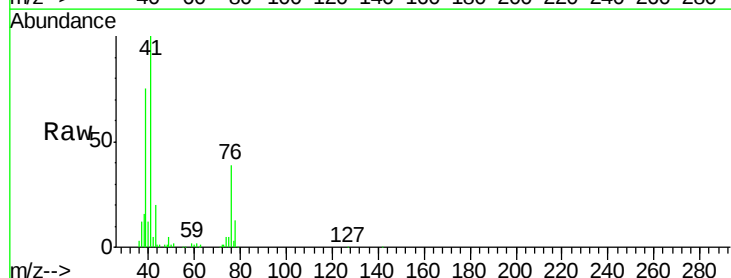
Tgt Ion: 41 Resp: 183338

Ion Ratio Lower Upper

41 100

39 69.7 61.6 92.4

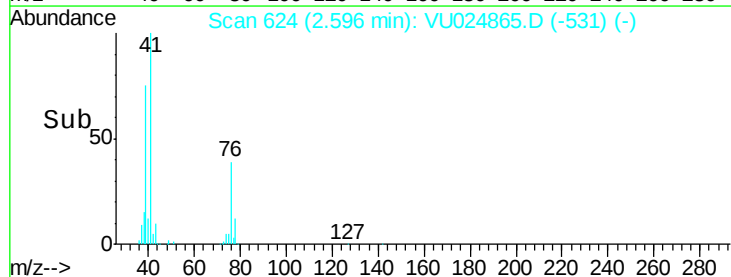
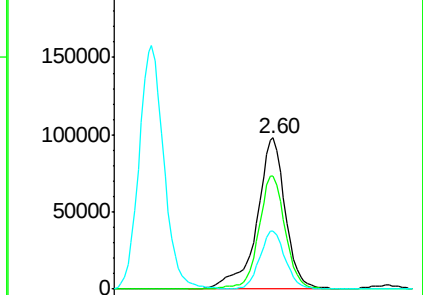
76 34.5 29.7 44.5



Abundance Ion 41.00 (40.70 to 41.70): VU024865.D (-531) (-)

Ion 39.00 (38.70 to 39.70): VU024865.D (-531) (-)

Ion 75.90 (75.60 to 76.60): VU024865.D (-531) (-)





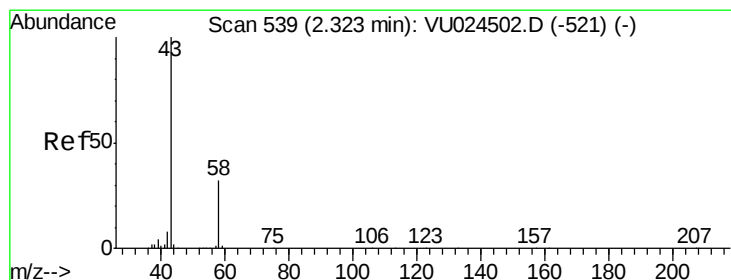
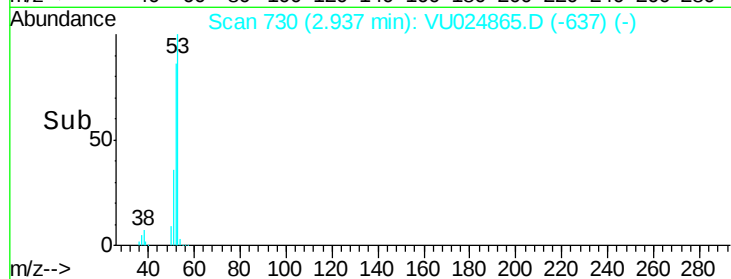
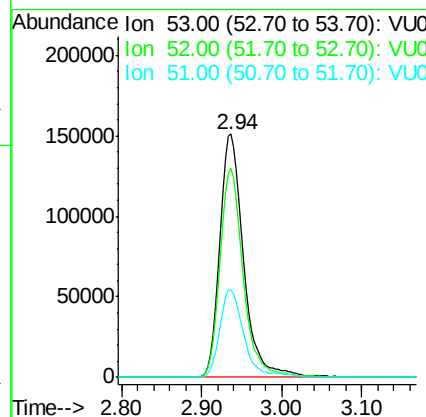
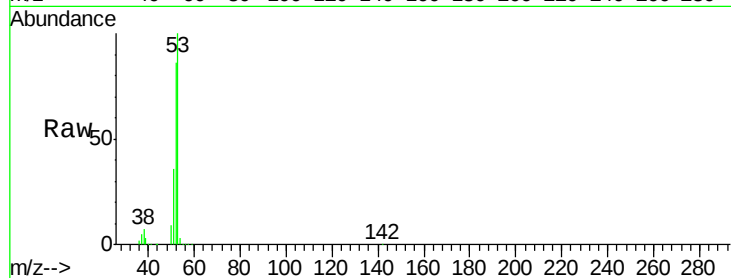
#15
 Acrylonitrile
 Concen: 219.91 ug/l
 RT: 2.94 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	313141
Ion Ratio	Lower	Upper	
53	100		
52	83.8	67.1	100.7
51	36.8	28.4	42.6

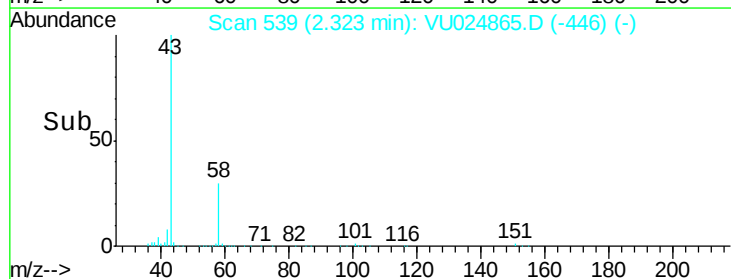
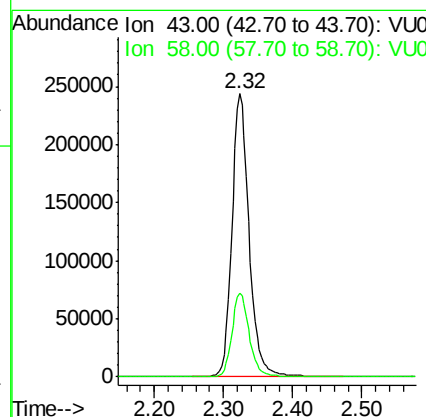
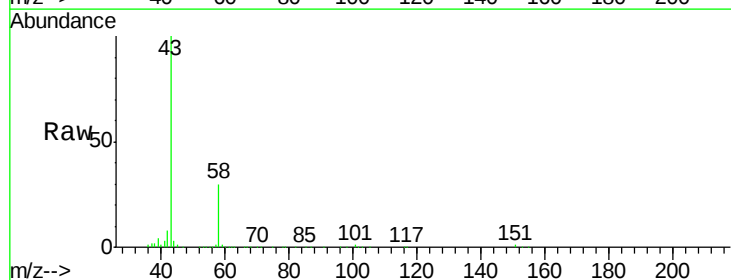
Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM



#16
 Acetone
 Concen: 259.30 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion:	43	Resp:	419249
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.4	36.6





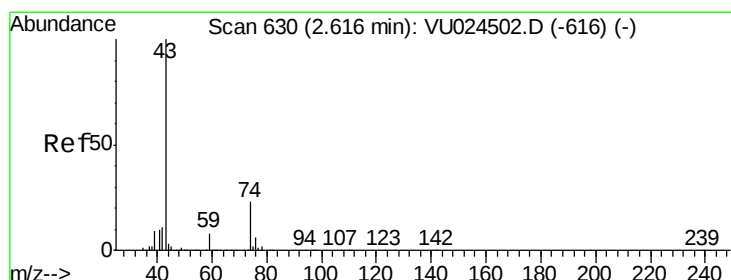
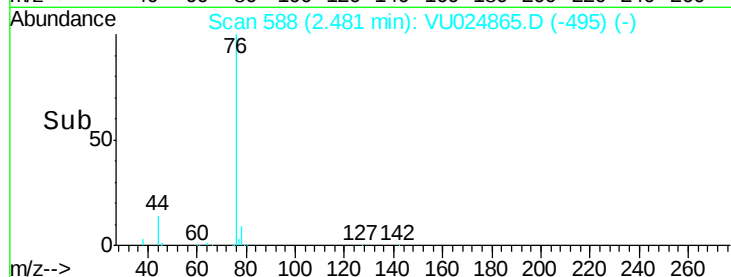
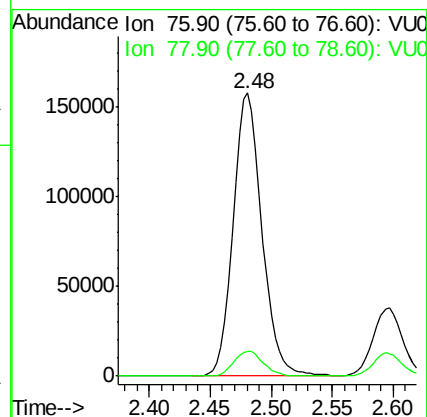
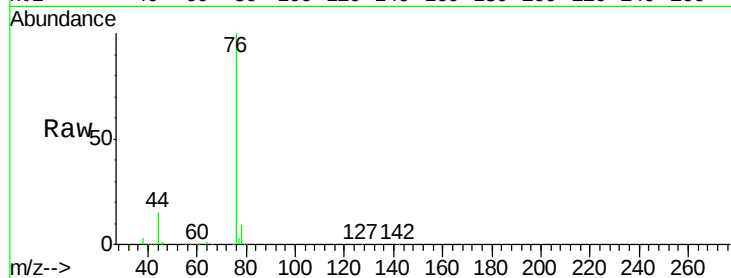
#17
Carbon Disulfide
Concen: 38.62 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.1	10.7

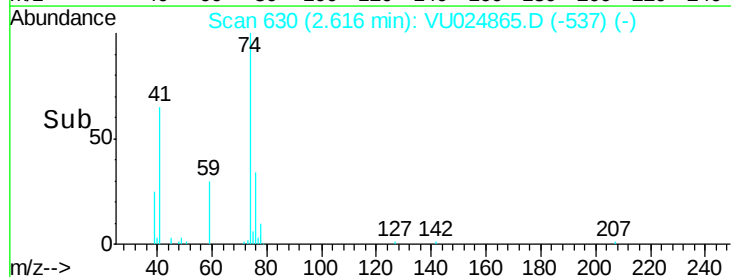
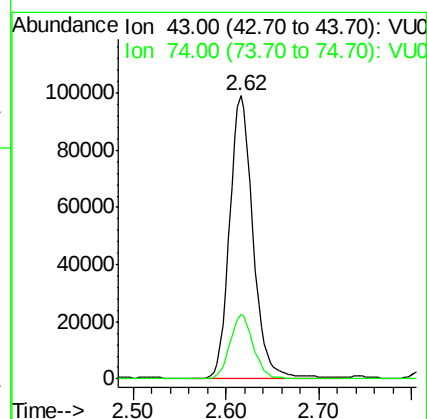
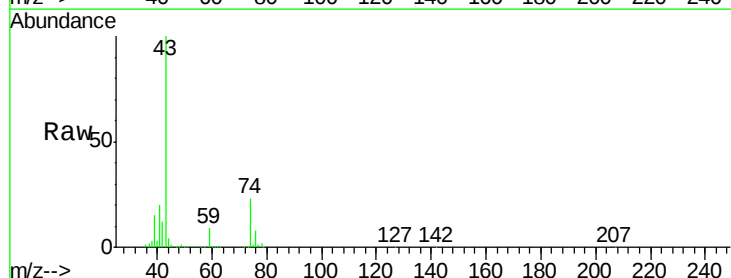
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#18
Methyl Acetate
Concen: 49.73 ug/l
RT: 2.62 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.0	27.0





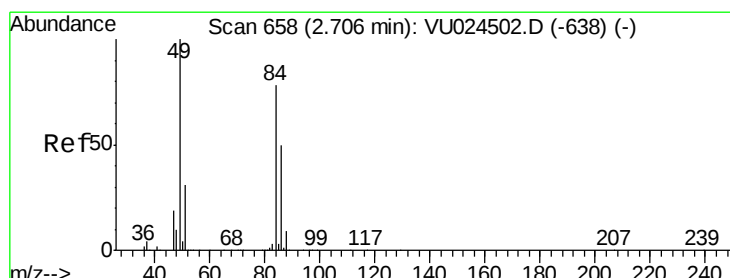
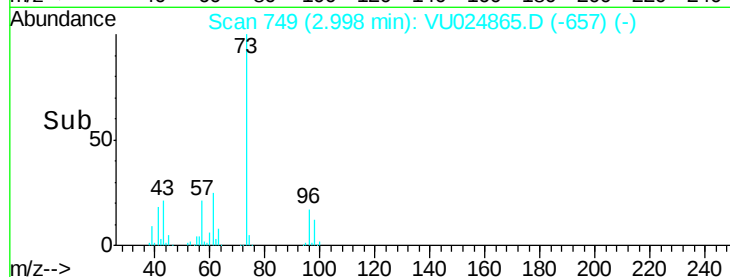
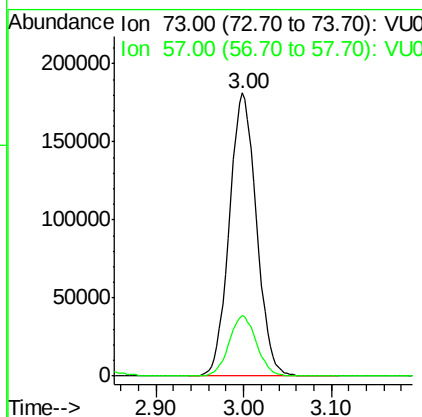
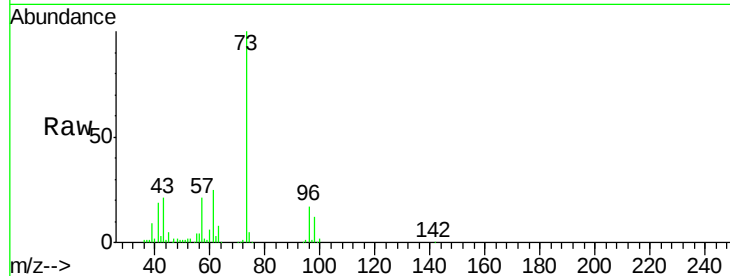
#19
Methvl tert-butvl Ether
Concen: 49.33 ug/l
RT: 3.00 min Scan# 749
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.8	28.2

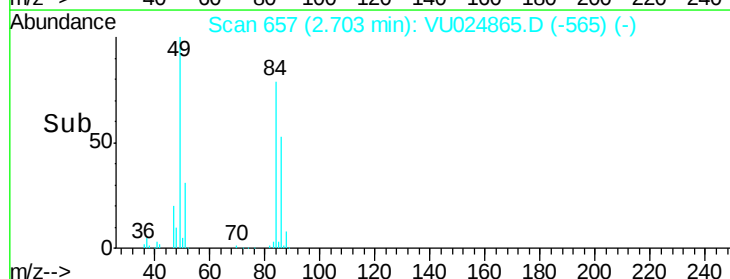
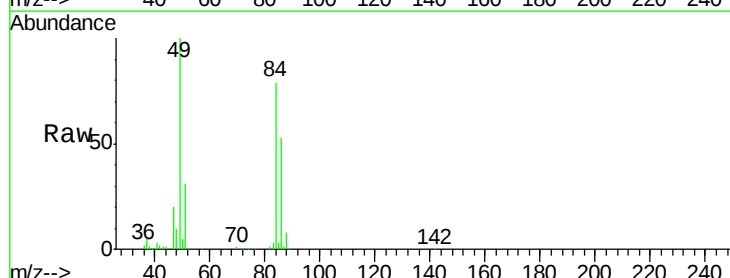
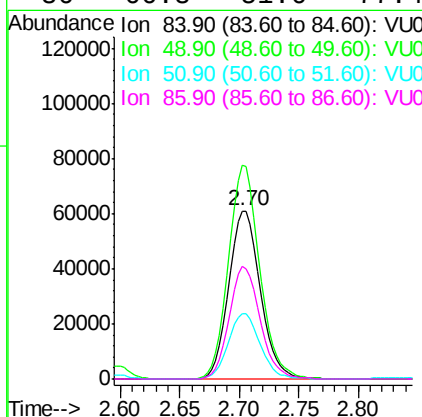
Manual Integrations
APPROVED

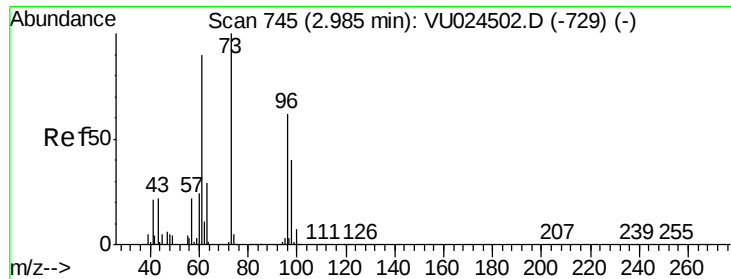
apatel
6/27/2018 11:18:47 AM



#20
Methylene Chloride
Concen: 44.31 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.0	103.8	155.8
51	39.0	32.0	48.0
86	66.8	51.6	77.4





#21

trans-1,2-Dichloroethene

Concen: 44.86 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

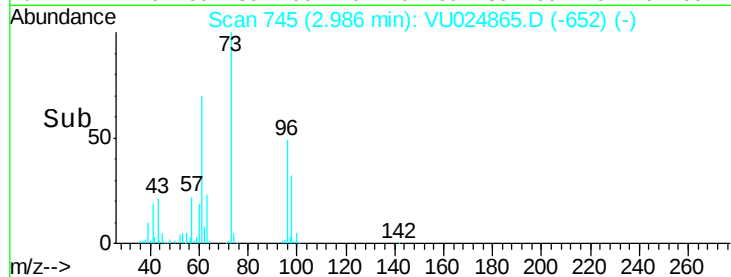
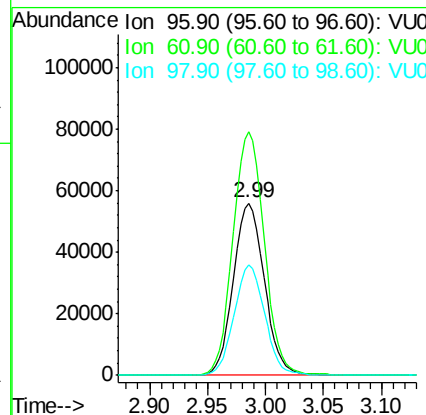
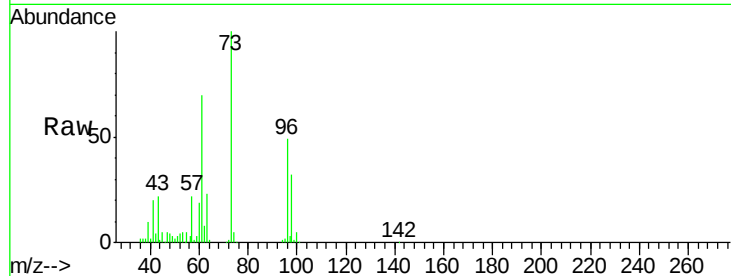
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	103705
Ion Ratio	Lower	Upper	
96	100		
61	141.5	119.4	179.0
98	64.4	51.1	76.7

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#22

Diisopropyl ether

Concen: 48.11 ug/l

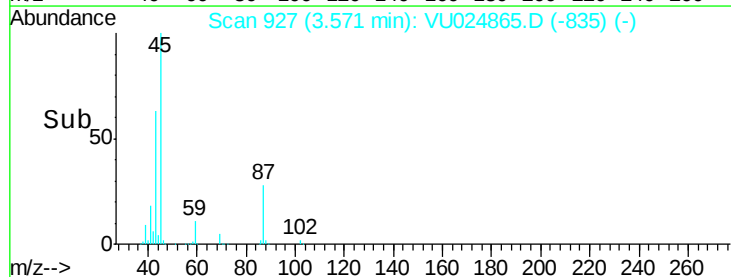
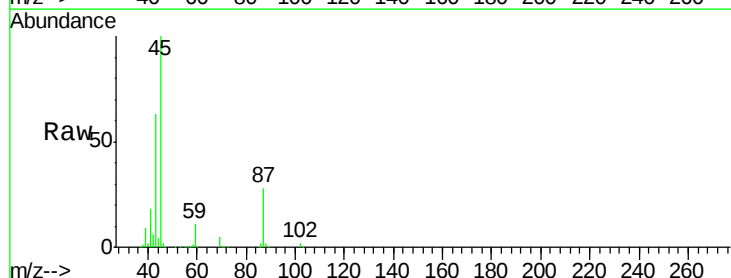
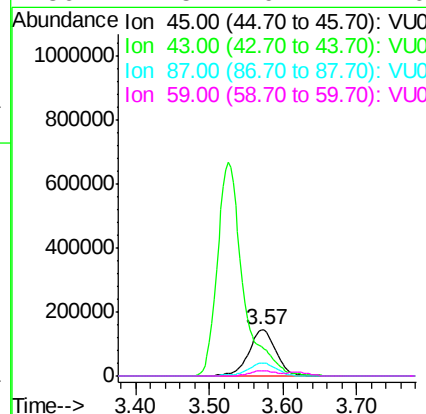
RT: 3.57 min Scan# 927

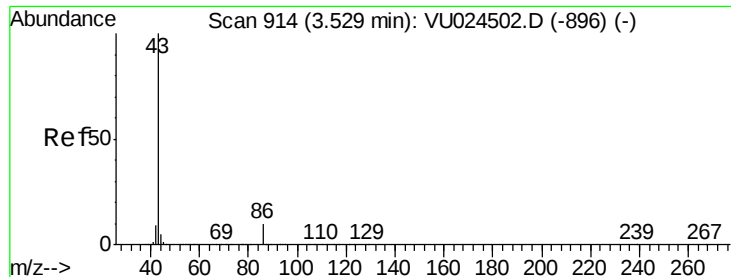
Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	45	Resp:	371683
Ion Ratio	Lower	Upper	
45	100		
43	62.7	45.8	68.6
87	28.2	20.6	31.0
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 234.22 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1620835

Ion Ratio Lower Upper

43 100

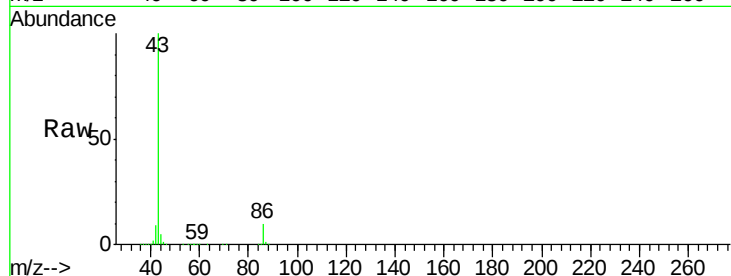
86 10.0 7.8 11.8

Manual Integrations

APPROVED

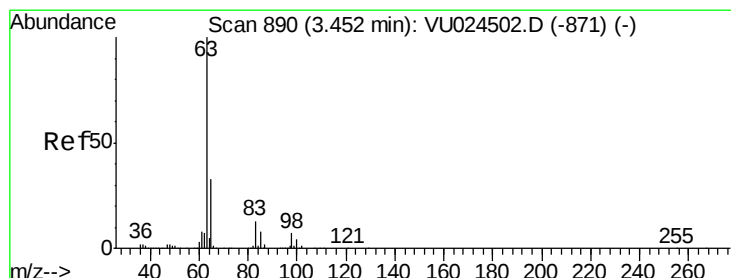
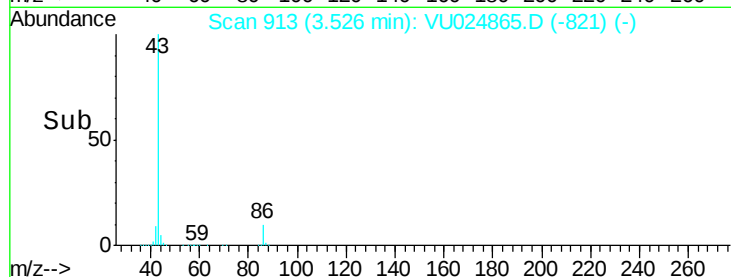
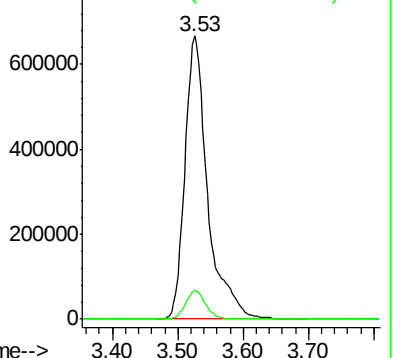
apatel

6/27/2018 11:18:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 46.68 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

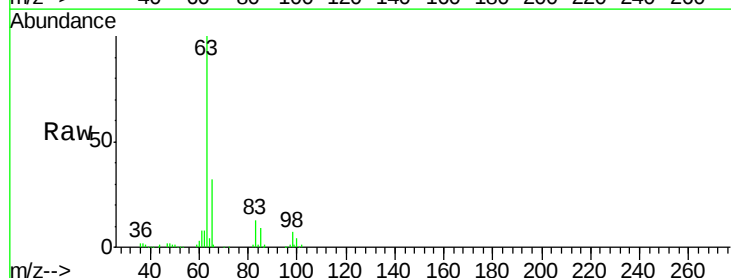
Tgt Ion: 63 Resp: 207468

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

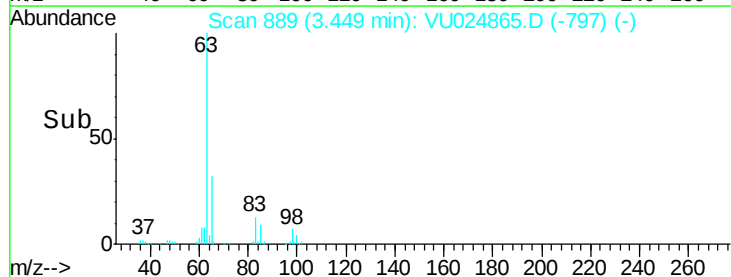
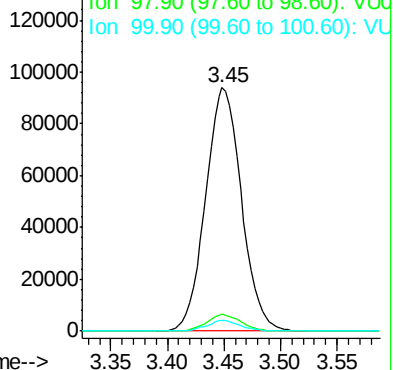
100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





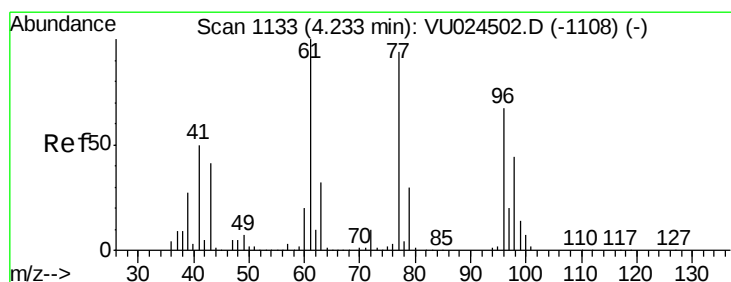
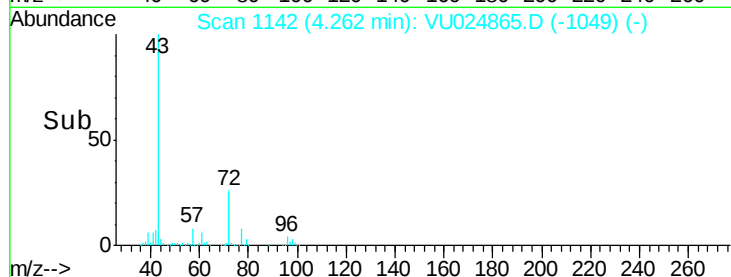
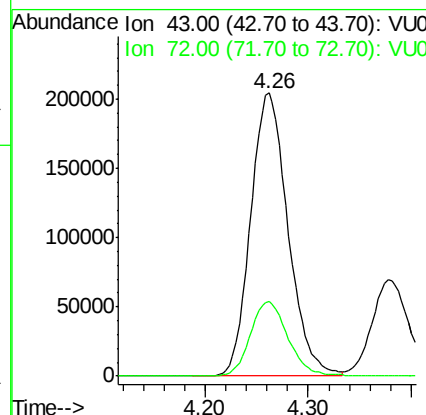
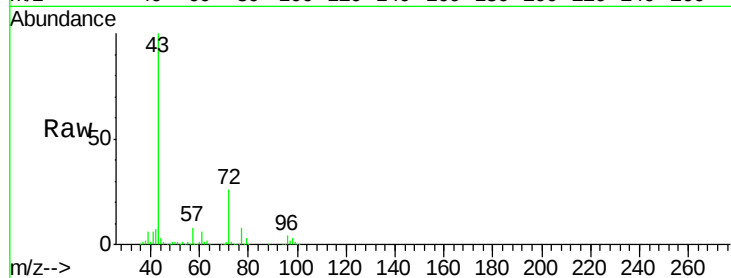
#25
2-Butanone
Concen: 235.52 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 511500
Ion Ratio Lower Upper
43 100
72 26.3 19.6 29.4

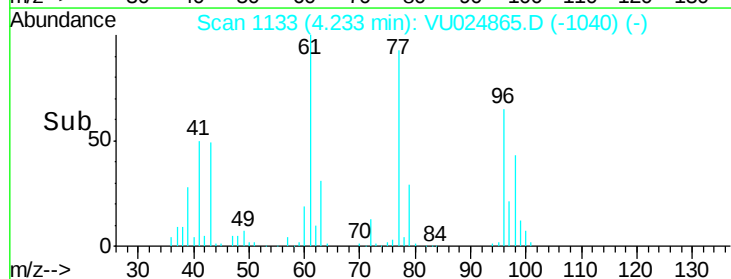
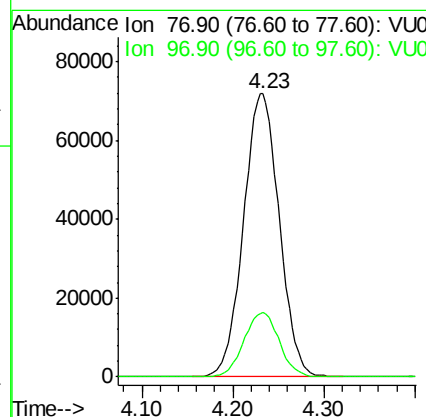
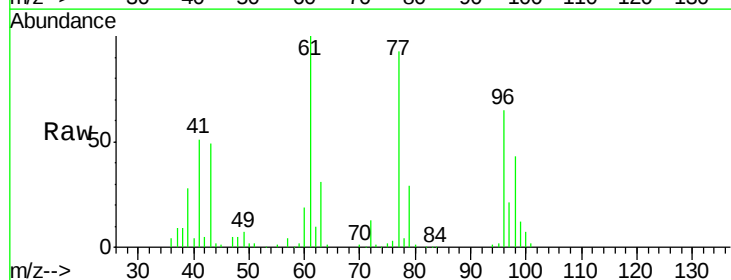
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#26
2,2-Dichloropropane
Concen: 46.40 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 77 Resp: 195808
Ion Ratio Lower Upper
77 100
97 22.5 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 47.38 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

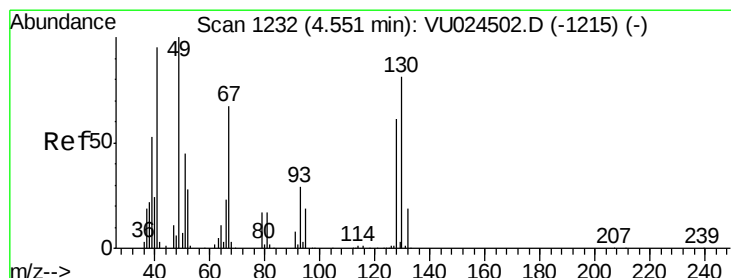
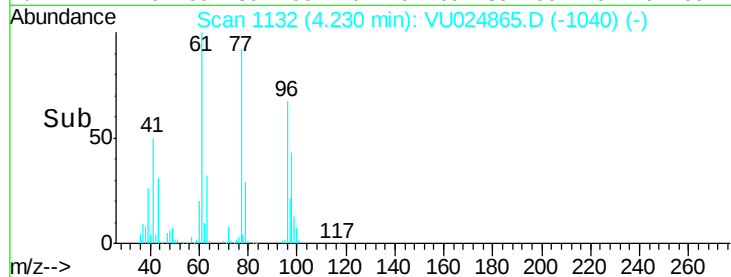
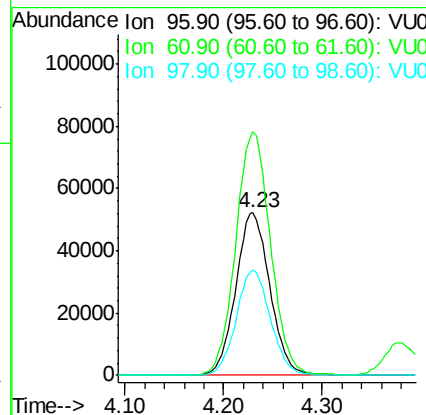
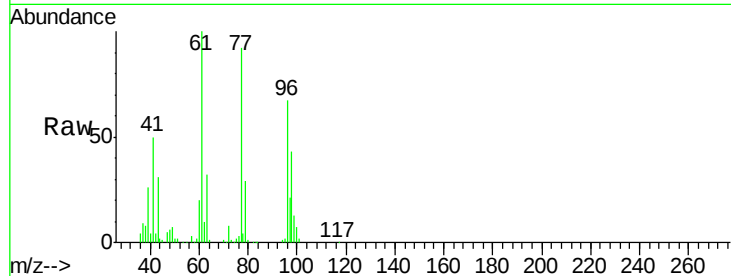
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	125931
Ion Ratio	Lower	Upper	
96	100		
61	152.6	0.0	306.6
98	64.6	0.0	128.8

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#28

Bromochloromethane

Concen: 48.95 ug/l

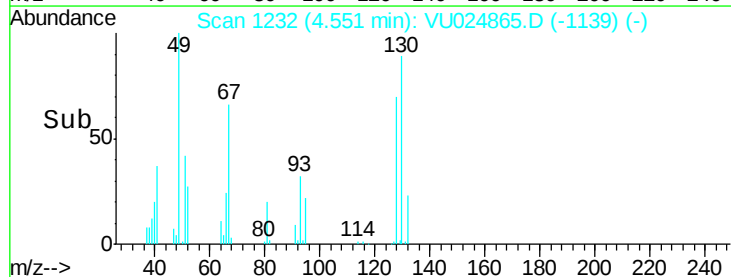
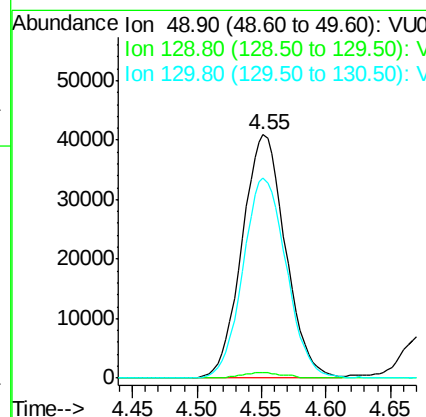
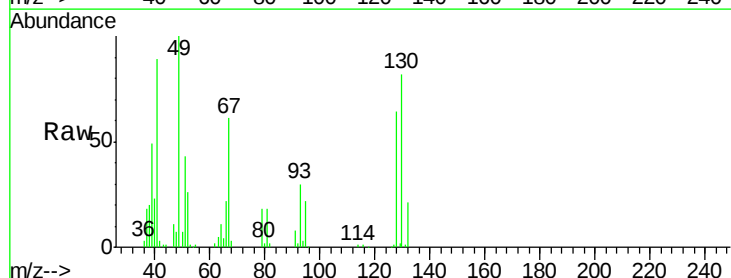
RT: 4.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	49	Resp:	95825
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	82.2	57.8	86.6





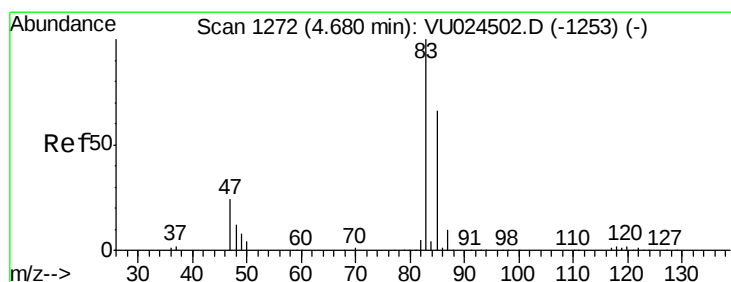
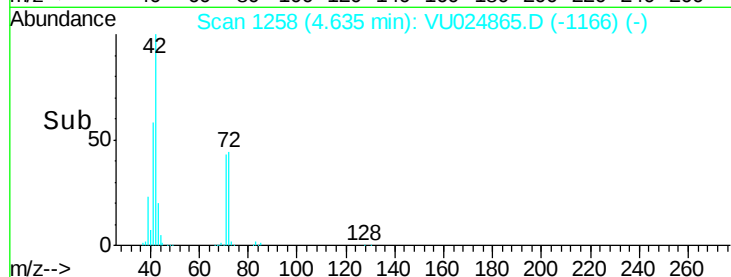
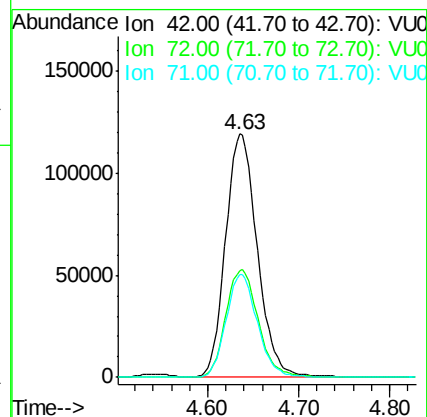
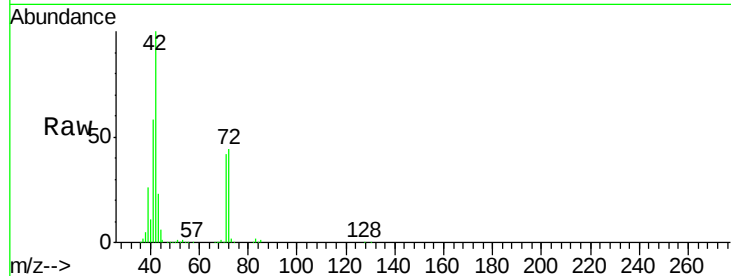
#29
Tetrahydrofuran
Concen: 213.77 ug/l
RT: 4.63 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	34.5	51.7
71	42.3	32.2	48.4

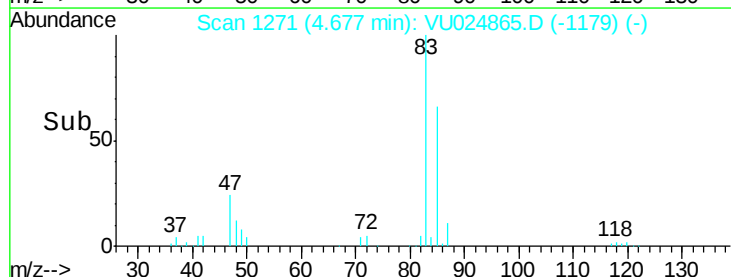
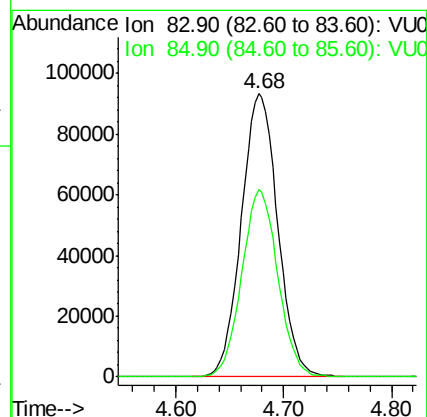
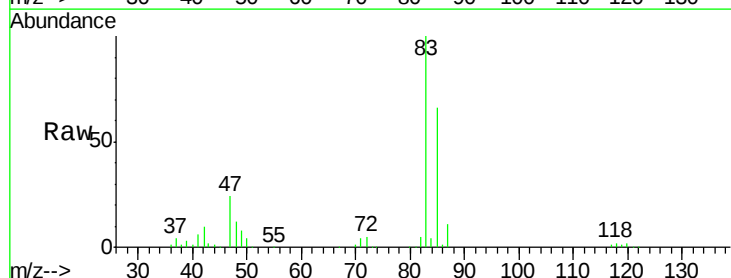
Manual Integrations
APPROVED

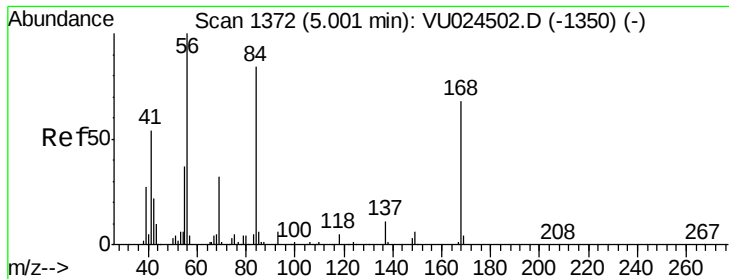
apatel
6/27/2018 11:18:47 AM



#30
Chloroform
Concen: 48.69 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.4	78.6





#31

Cyclohexane

Concen: 46.09 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

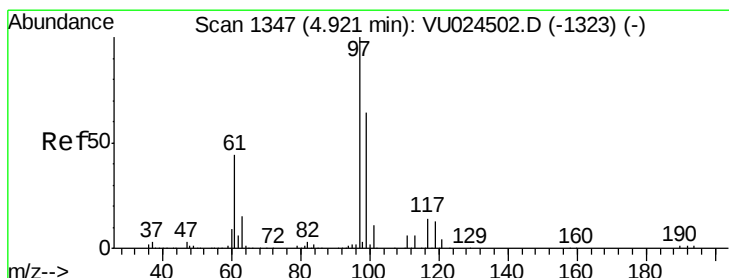
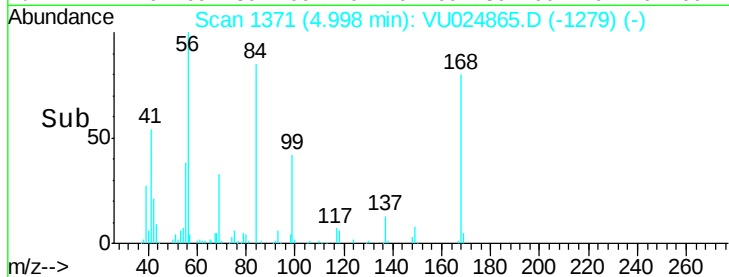
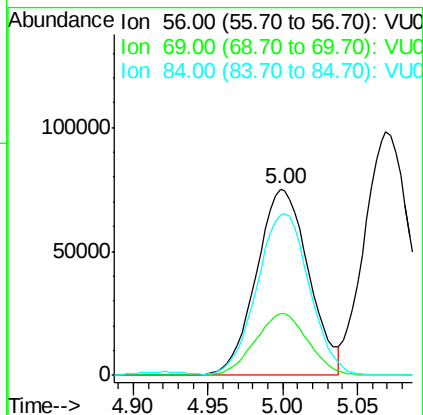
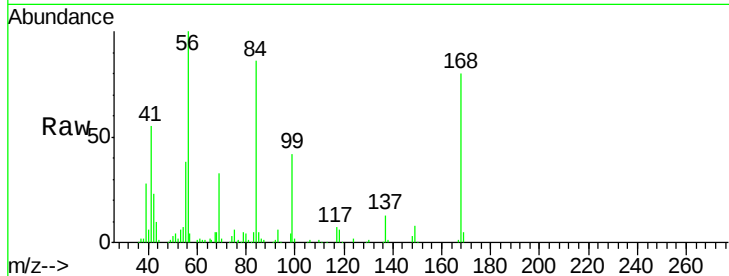
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	182516
Ion Ratio	Lower	Upper	
56	100		
69	33.3	24.8	37.2
84	84.8	65.2	97.8

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#32

1,1,1-Trichloroethane

Concen: 47.06 ug/l

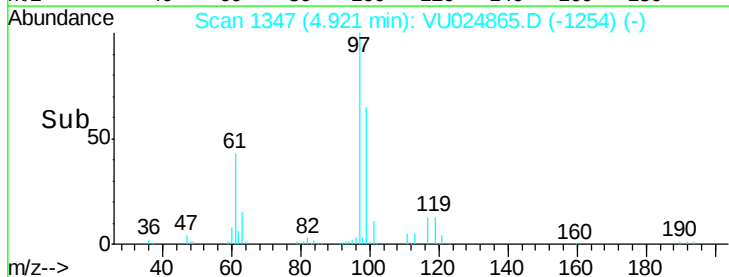
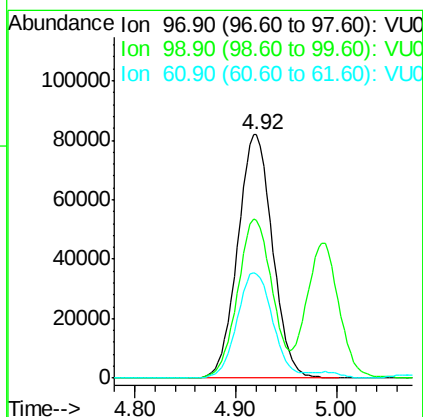
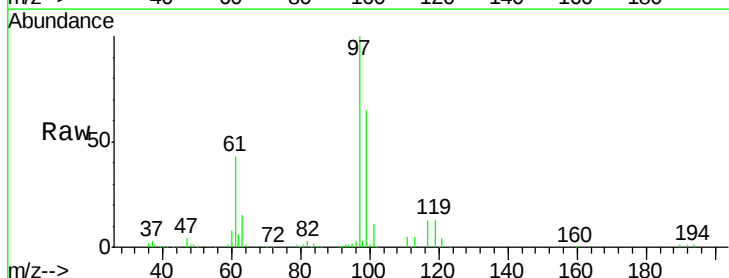
RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	97	Resp:	195755
Ion Ratio	Lower	Upper	
97	100		
99	64.9	51.0	76.6
61	44.1	39.4	59.0





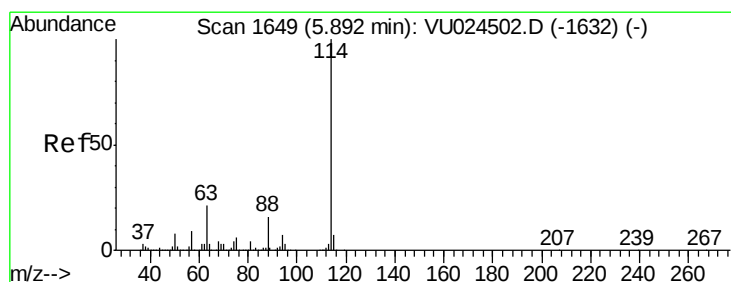
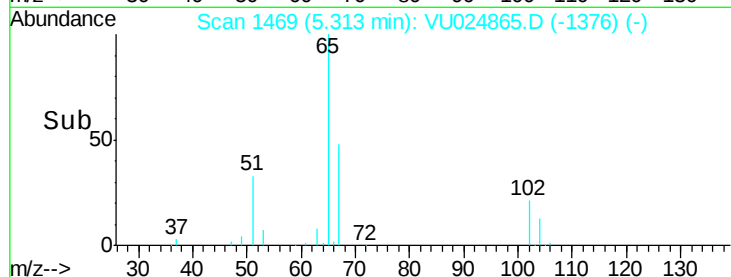
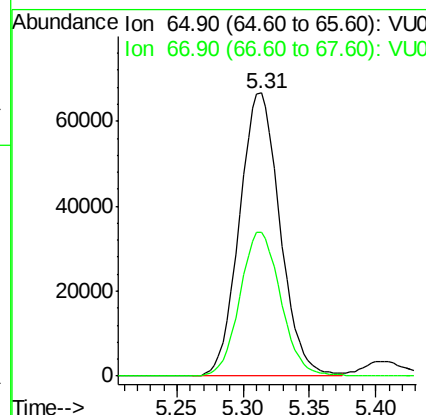
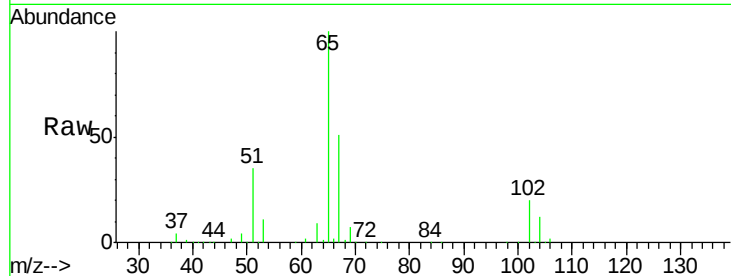
#33
 1,2-Dichloroethane-d4
 Concen: 47.02 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	107.0

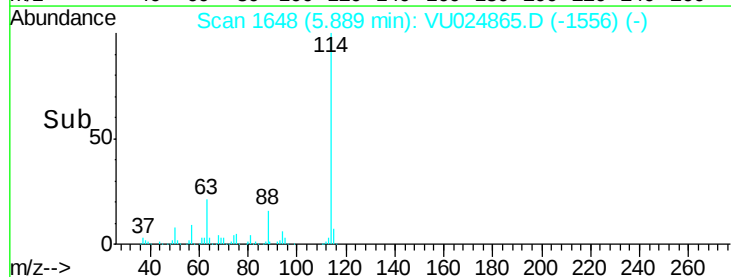
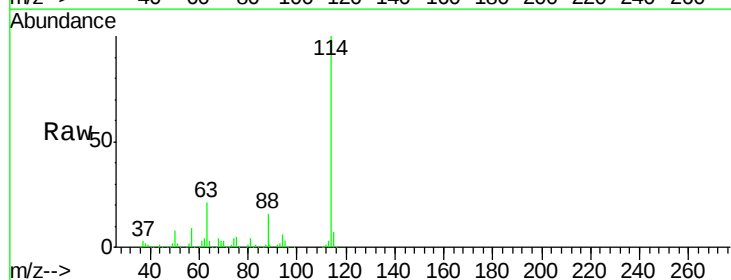
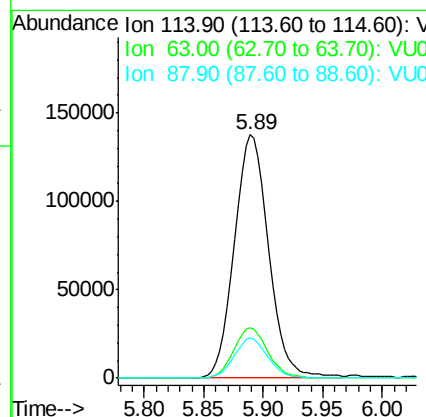
Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	45.4
88	16.4	0.0	31.0





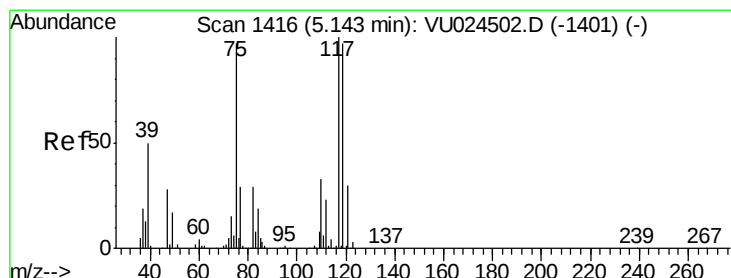
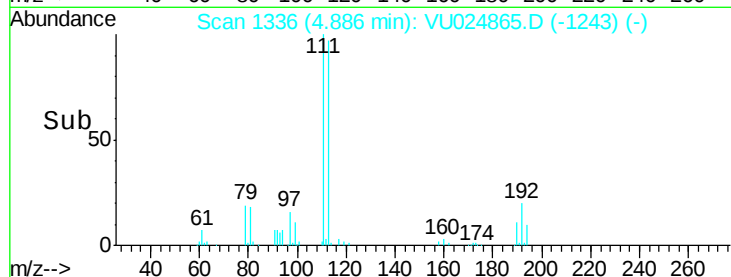
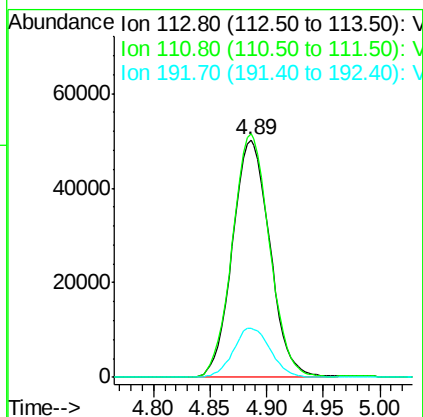
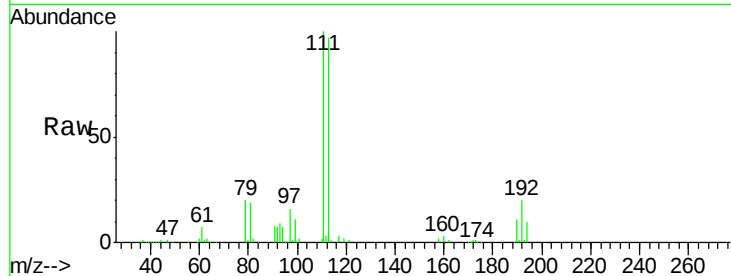
#35
 Dibromofluoromethane
 Concen: 50.52 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115473		
111	102.0		82.2	123.4
192	20.6		16.2	24.4

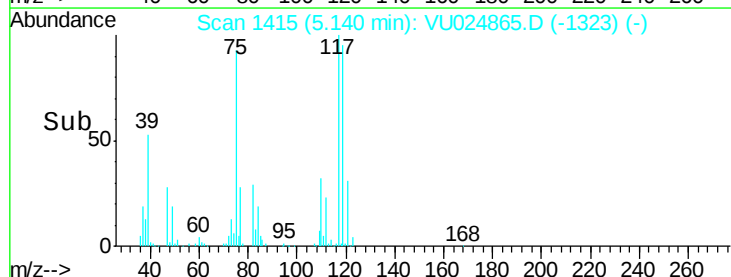
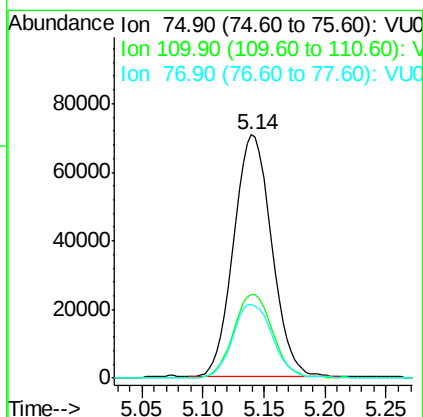
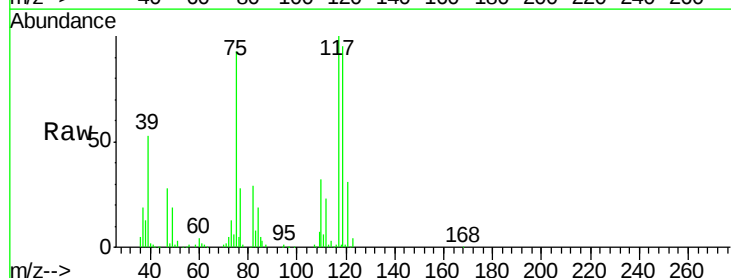
Manual Integrations
 APPROVED

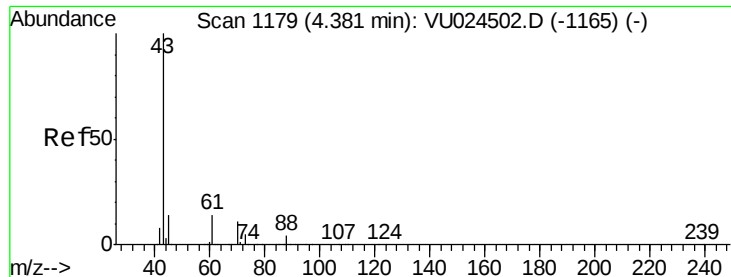
apatel
 6/27/2018 11:18:47 AM



#36
 1,1-Dichloropropene
 Concen: 47.22 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. -0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152820		
110	35.6		17.0	50.9
77	31.5		24.2	36.4





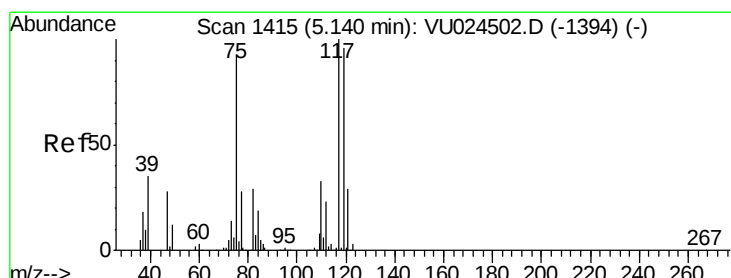
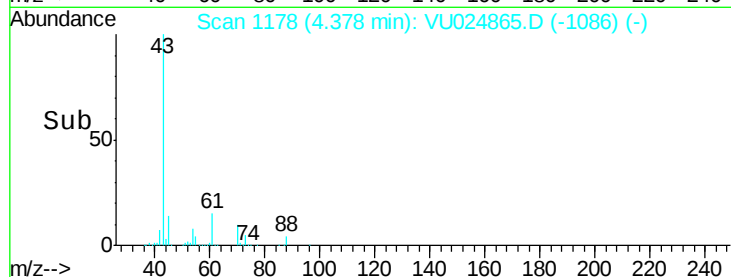
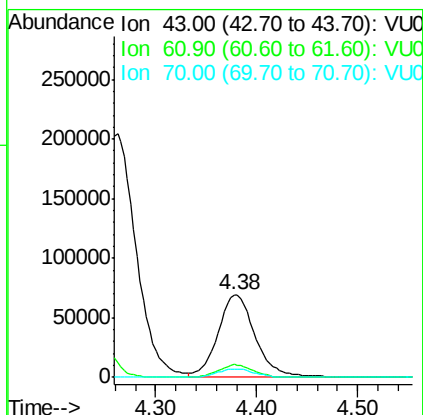
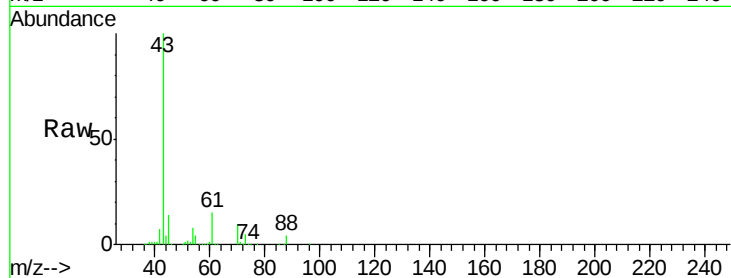
#37
Ethyl Acetate
Concen: 49.40 ug/l
RT: 4.38 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.5	15.7
70	10.4	7.4	11.2

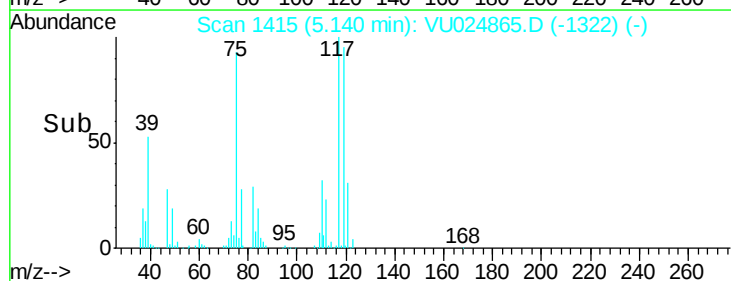
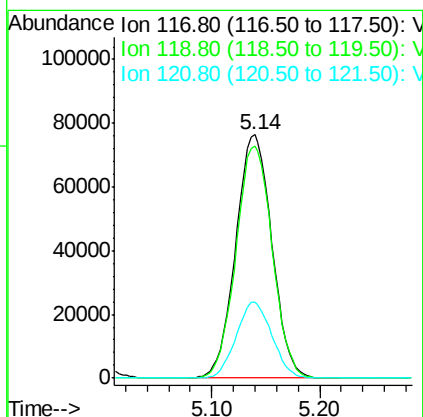
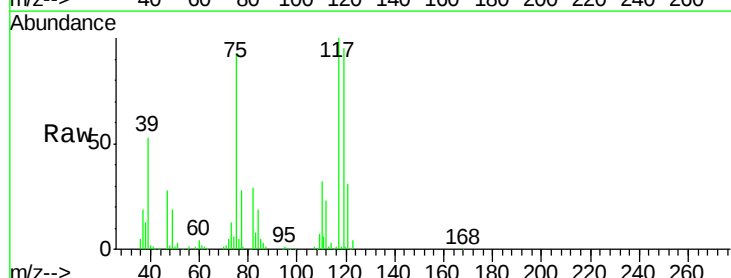
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#38
Carbon Tetrachloride
Concen: 50.06 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.1	114.1
121	31.3	23.7	35.5





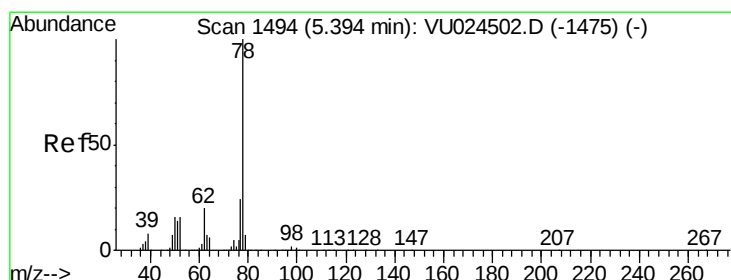
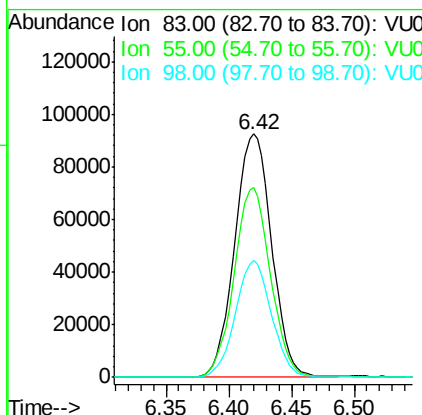
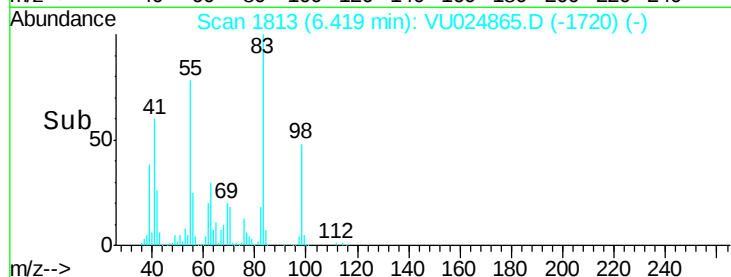
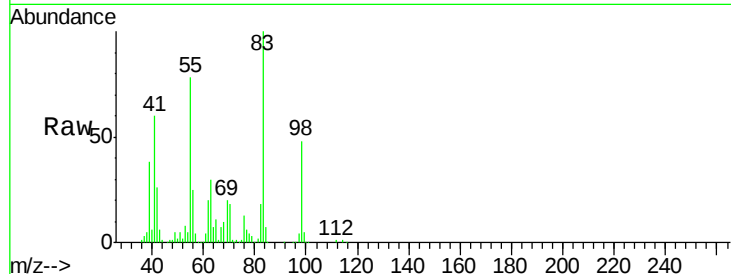
#39
Methvlcvclohexane
Concen: 47.09 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	65.8	98.6
98	48.0	36.7	55.1

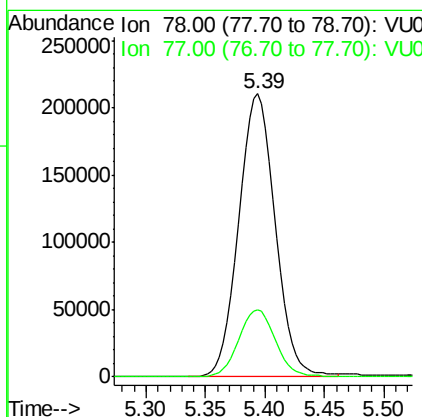
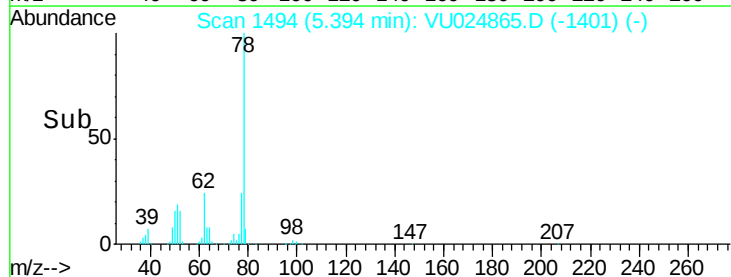
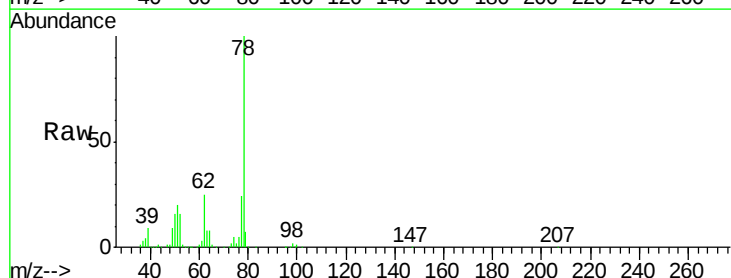
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#40
Benzene
Concen: 48.61 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8





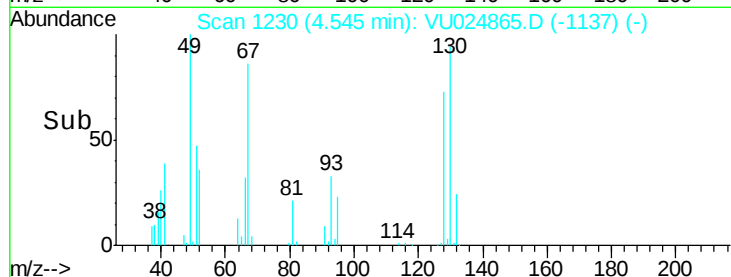
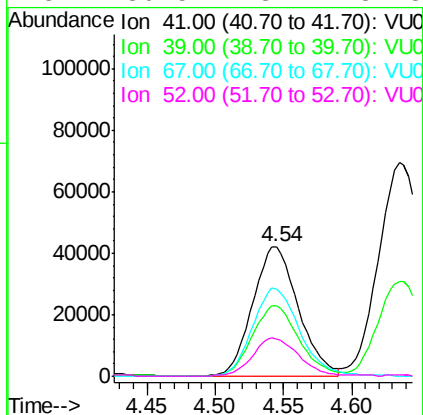
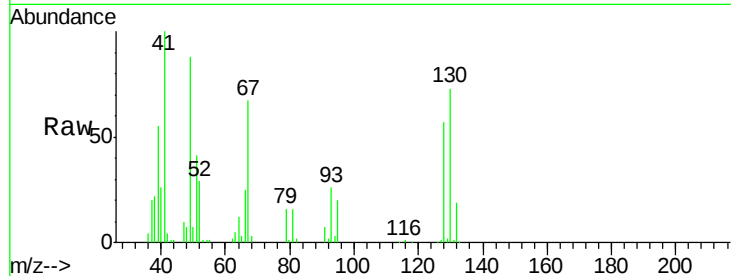
#41
Methacrylonitrile
Concen: 51.08 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.8	43.8	65.6	
67	70.9	56.3	84.5	
52	30.5	23.2	34.8	

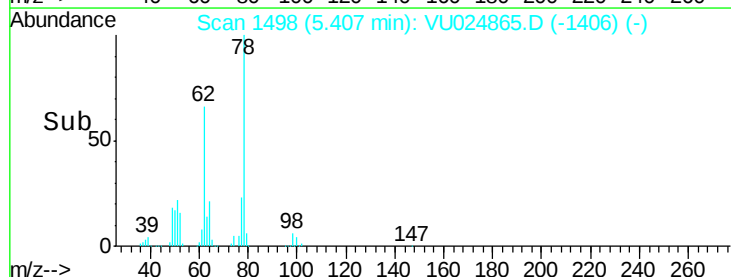
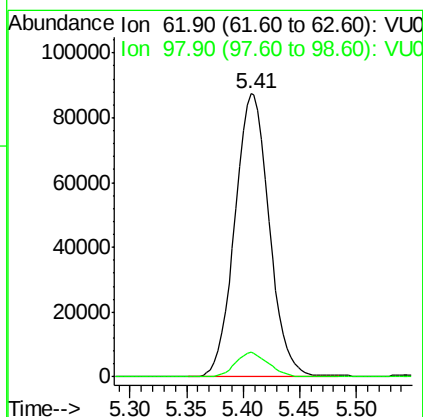
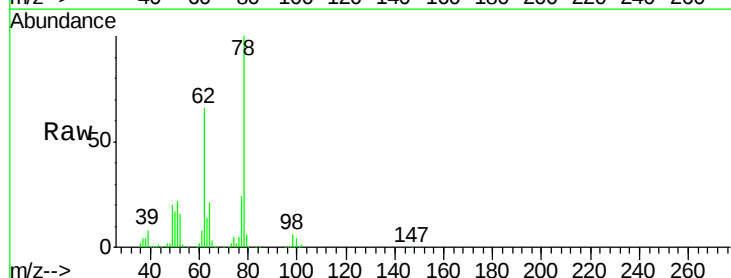
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#42
1,2-Dichloroethane
Concen: 52.78 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.6	





#43

Isopropyl Acetate

Concen: 46.49 ug/l

RT: 5.55 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

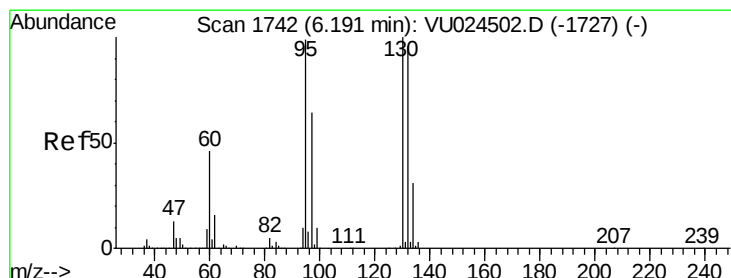
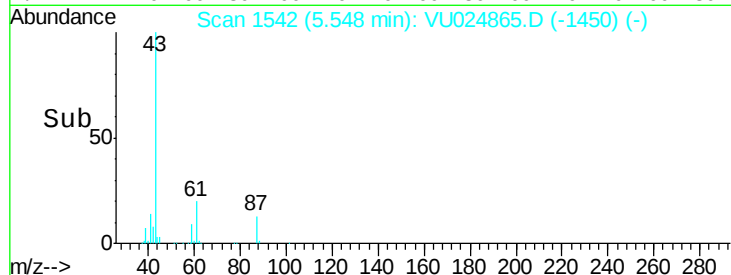
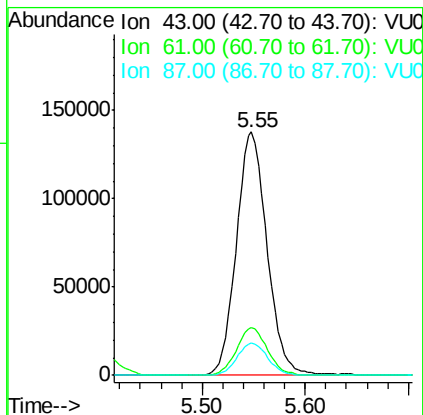
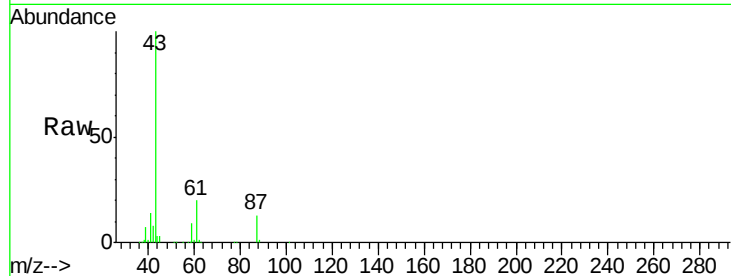
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	283432
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.4	10.0	15.0

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#44

Trichloroethene

Concen: 48.26 ug/l

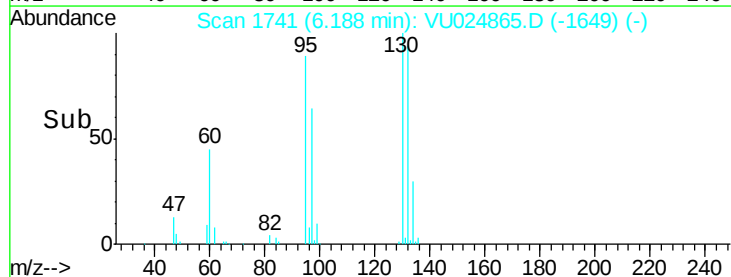
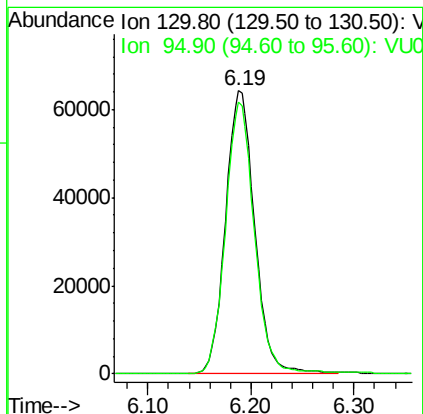
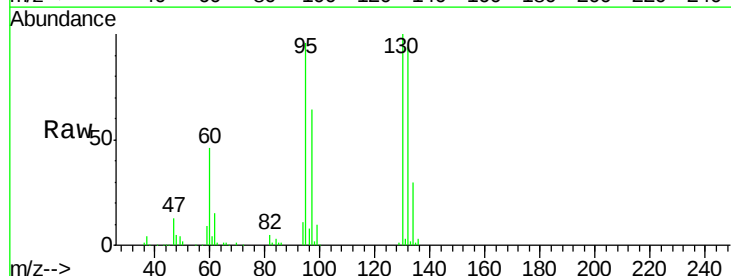
RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	130	Resp:	126641
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	202.4





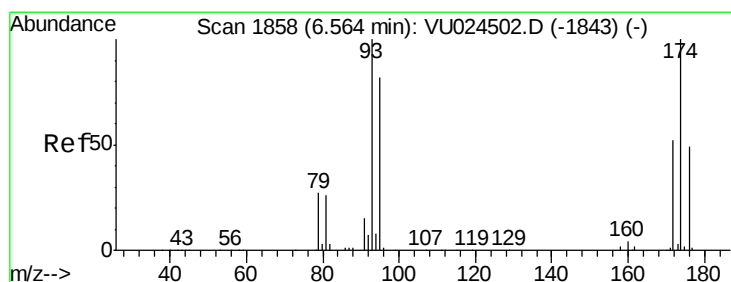
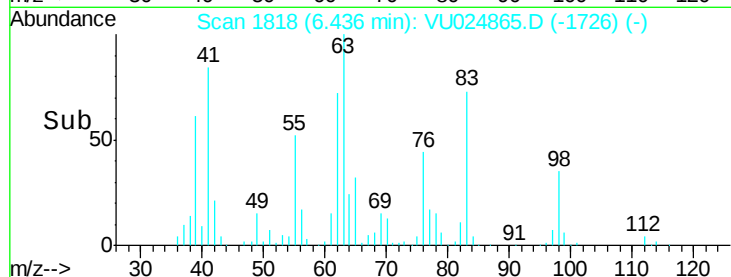
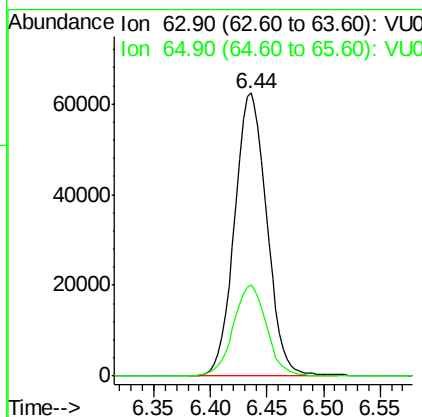
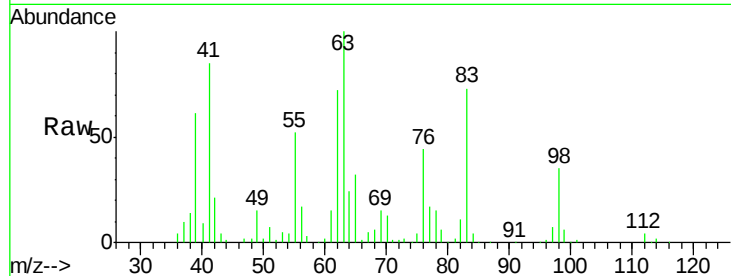
#45
 1,2-Dichloropropane
 Concen: 50.48 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 124189
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.8 37.2

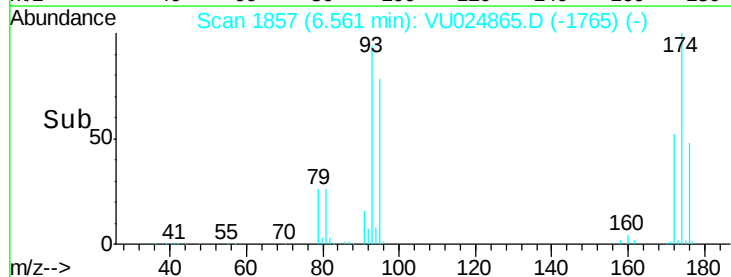
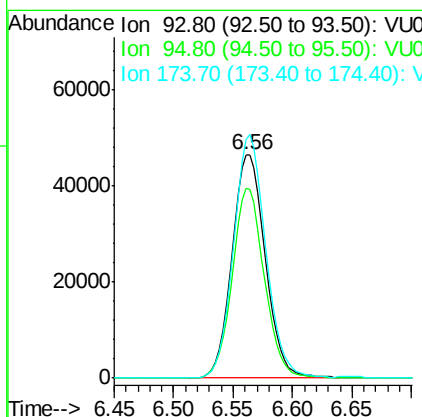
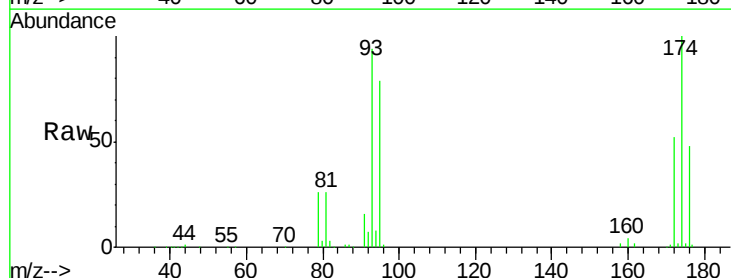
Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM



#46
 Dibromomethane
 Concen: 52.03 ug/l
 RT: 6.56 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion: 93 Resp: 89920
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.5 98.3
 174 105.6 78.7 118.1





#47

Bromodichloromethane

Concen: 51.37 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

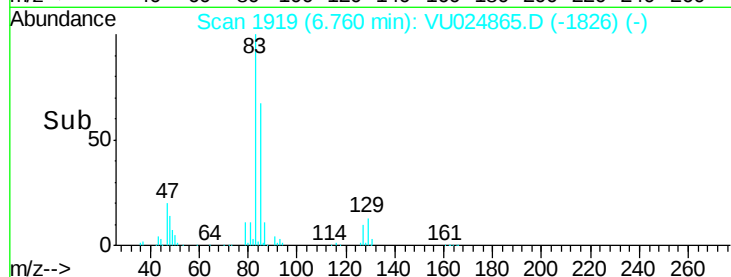
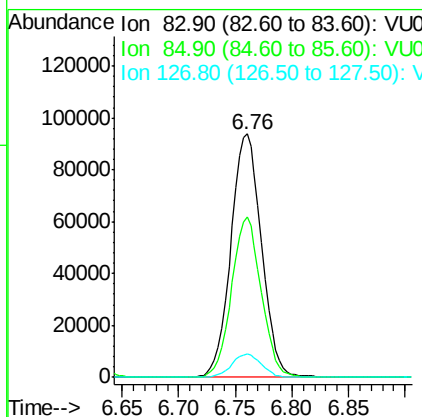
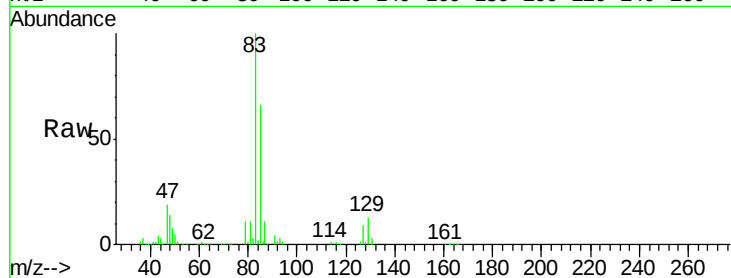
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	176764
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.9	77.9
127	9.4	6.6	9.8

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#48

Methyl methacrylate

Concen: 48.14 ug/l

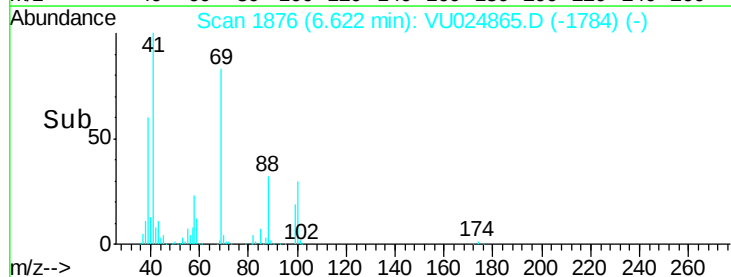
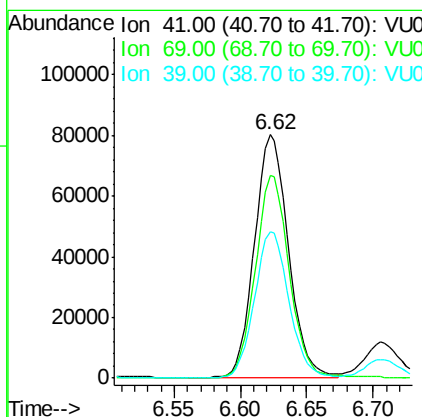
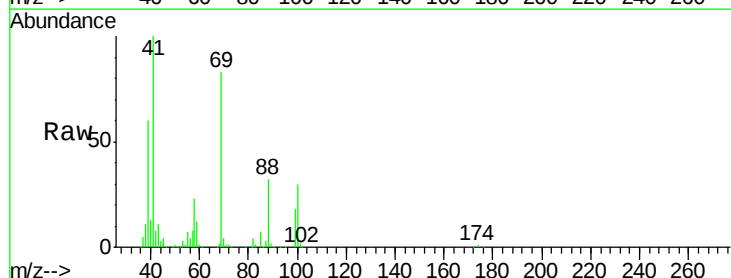
RT: 6.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	41	Resp:	142922
Ion Ratio	Lower	Upper	
41	100		
69	84.0	67.3	100.9
39	60.8	46.5	69.7





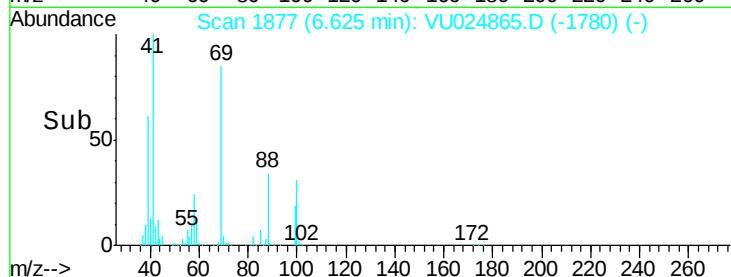
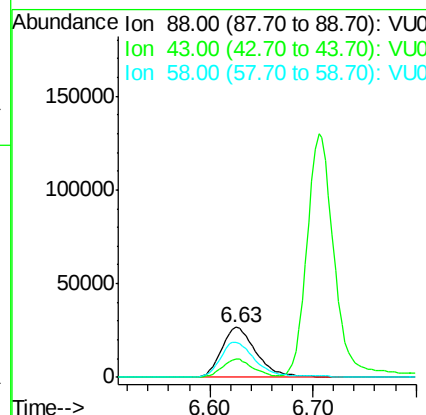
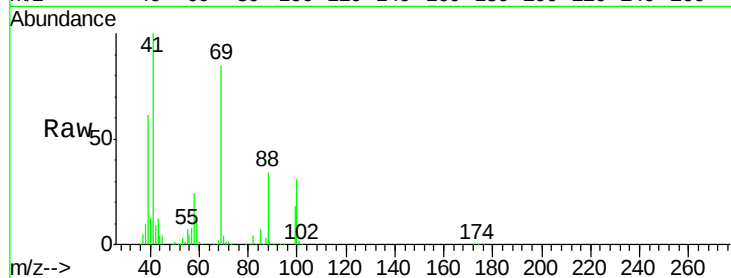
#49
 1,4-Dioxane
 Concen: 1076.88 ug/l
 RT: 6.63 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	28.6	42.8
58	69.8	58.2	87.4

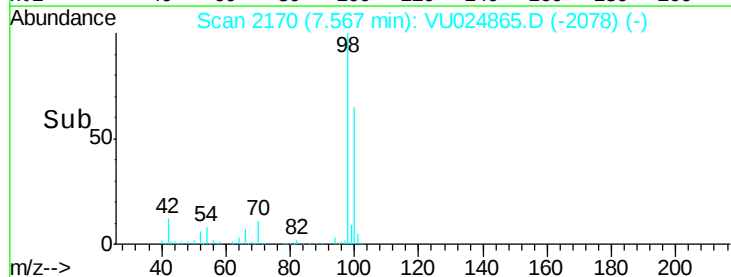
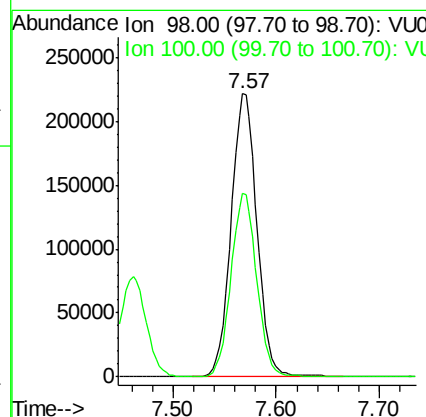
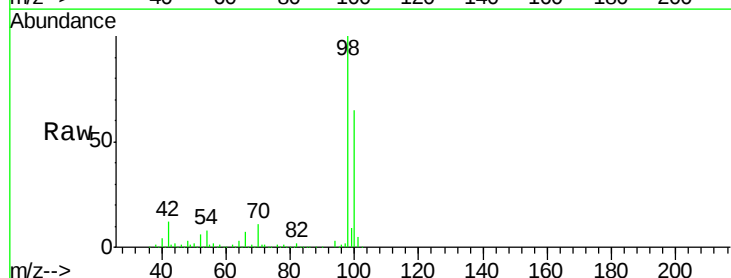
Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM



#50
 Toluene-d8
 Concen: 46.36 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.1	76.7





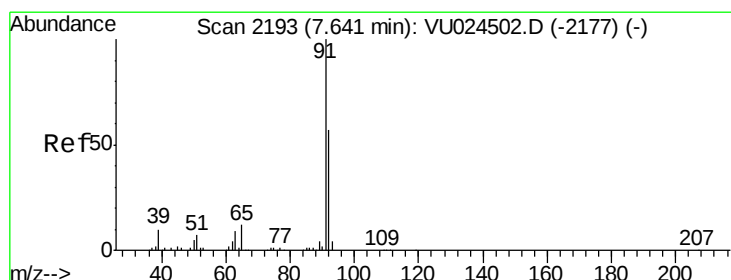
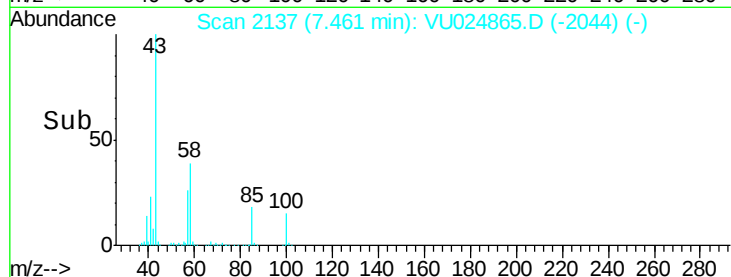
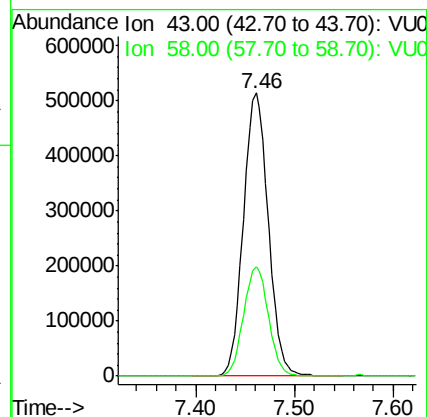
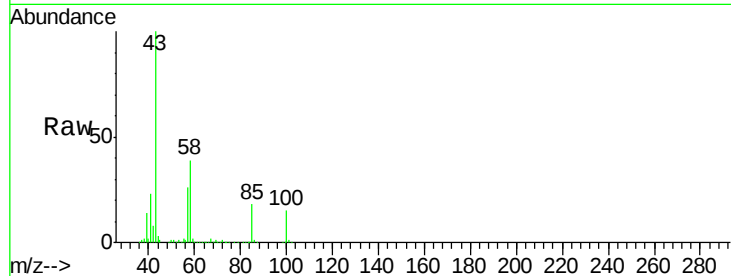
#51
4-Methyl-2-Pentanone
Concen: 234.14 ug/l
RT: 7.46 min Scan# 2137
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	30.0	45.0

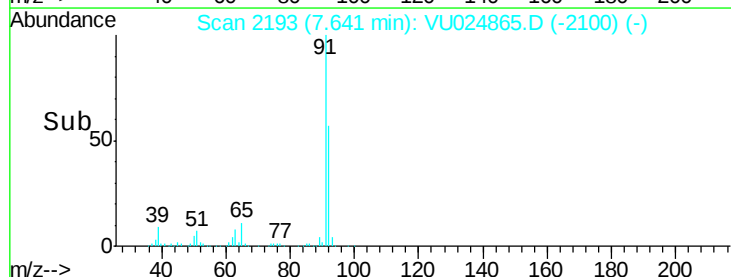
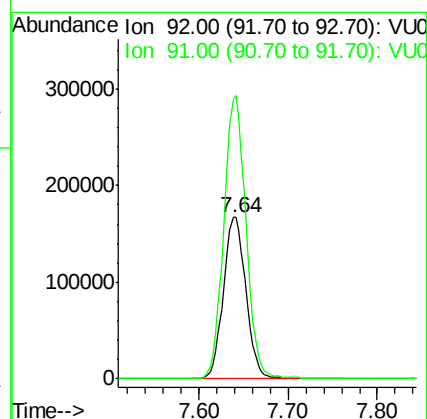
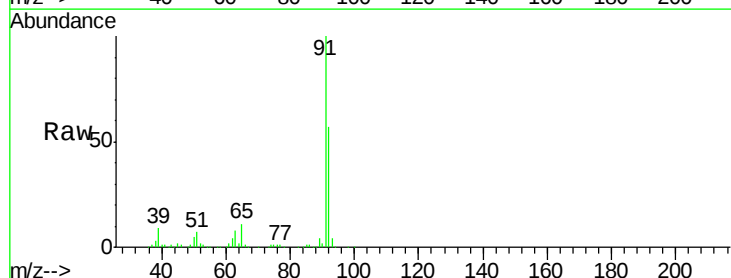
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#52
Toluene
Concen: 49.45 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	140.5	210.7





#53

t-1,3-Dichloropropene

Concen: 50.48 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 195100

Ion Ratio Lower Upper

75 100

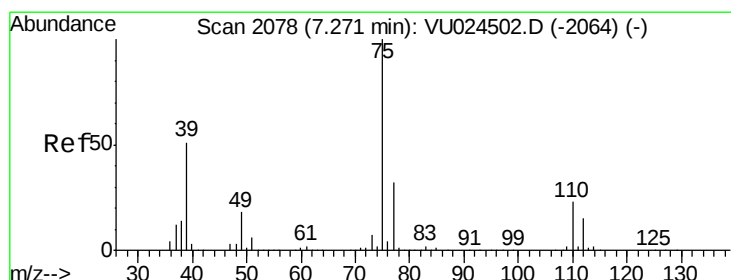
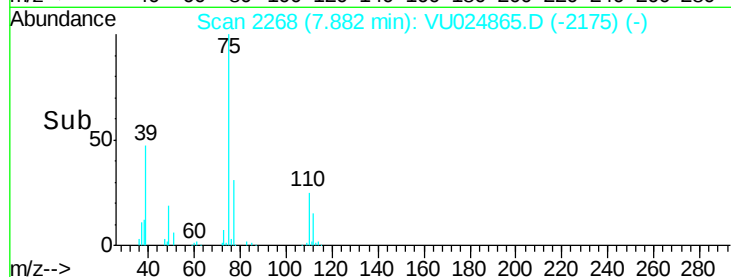
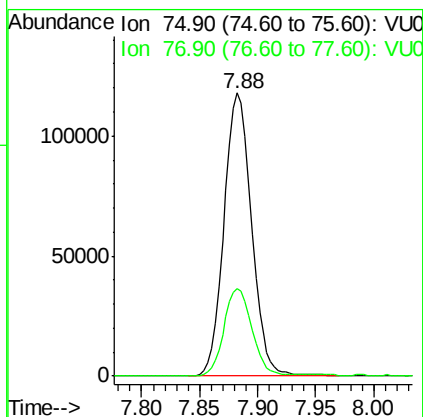
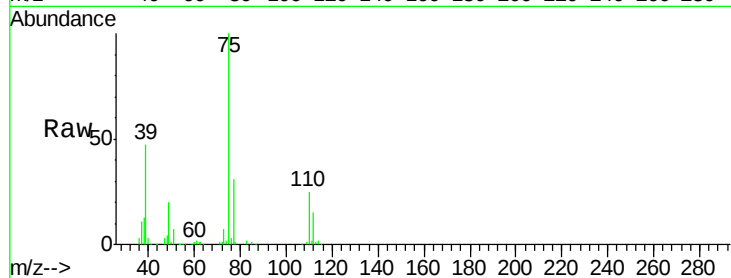
77 31.0 24.8 37.2

Manual Integrations

APPROVED

apatel

6/27/2018 11:18:47 AM



#54

cis-1,3-Dichloropropene

Concen: 49.16 ug/l

RT: 7.27 min Scan# 2078

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

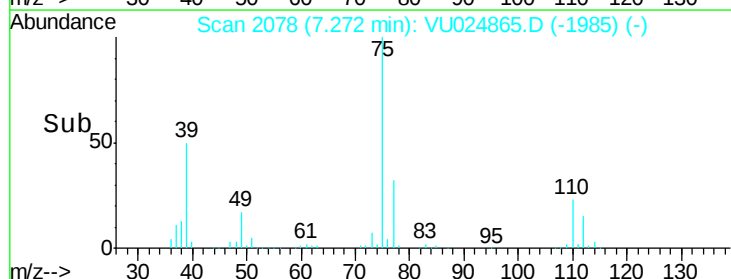
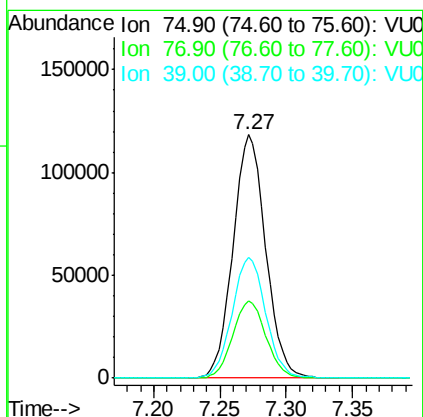
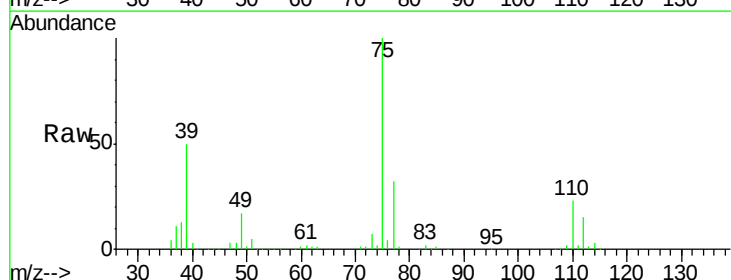
Tgt Ion: 75 Resp: 202444

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8

39 49.6 39.8 59.6





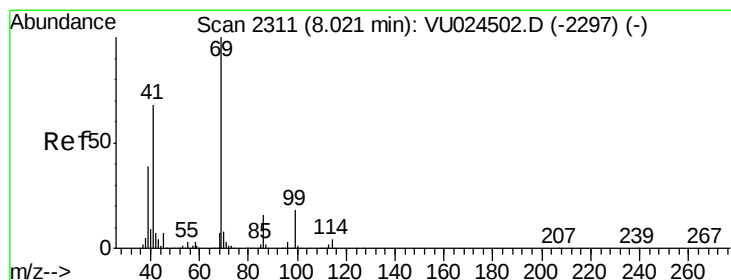
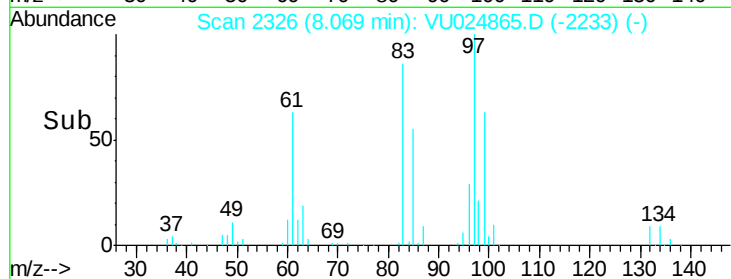
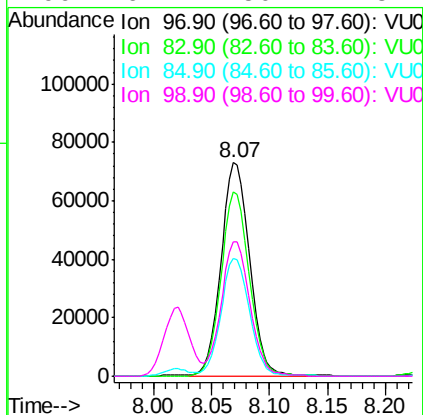
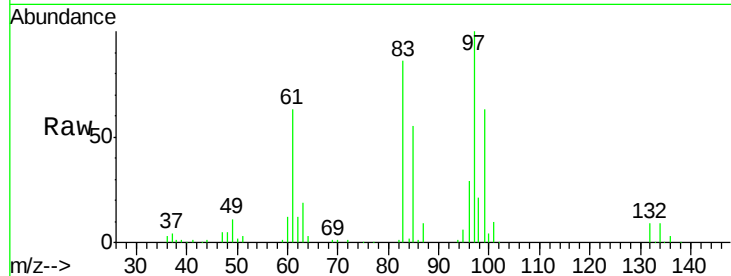
#55
 1,1,2-Trichloroethane
 Concen: 51.74 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	124775
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.5	105.7
85	55.4	46.4	69.6
99	62.7	50.2	75.2

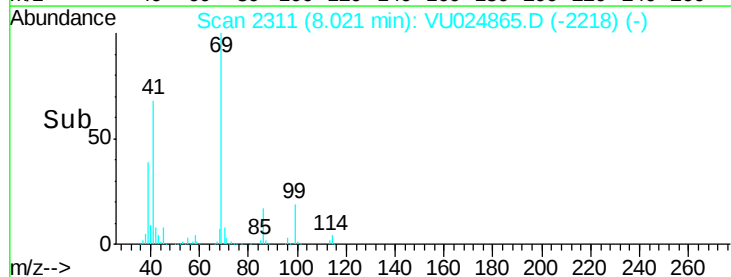
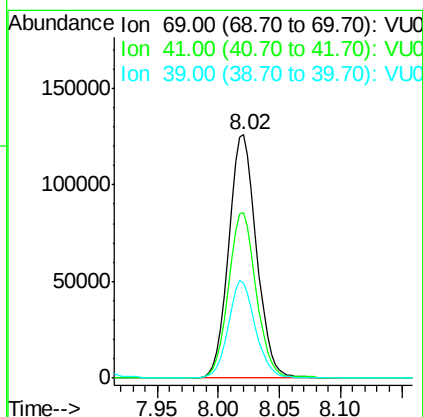
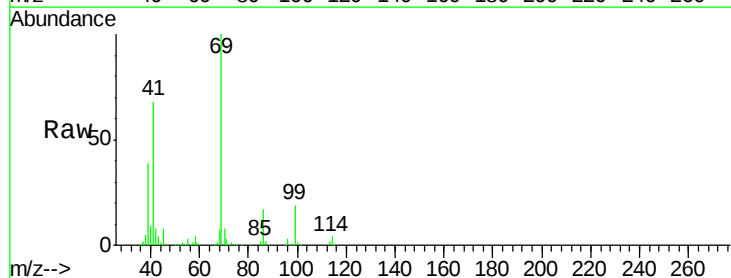
Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM



#56
 Ethyl methacrylate
 Concen: 49.86 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion:	69	Resp:	201235
Ion	Ratio	Lower	Upper
69	100		
41	68.1	54.1	81.1
39	38.3	30.3	45.5





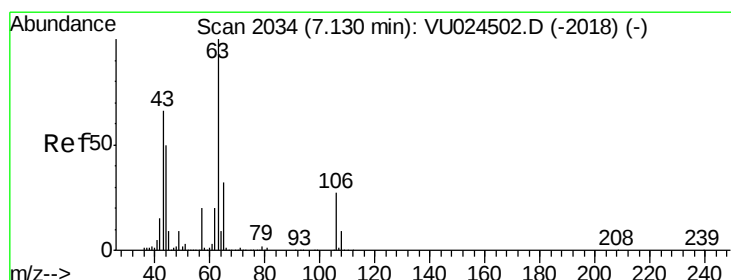
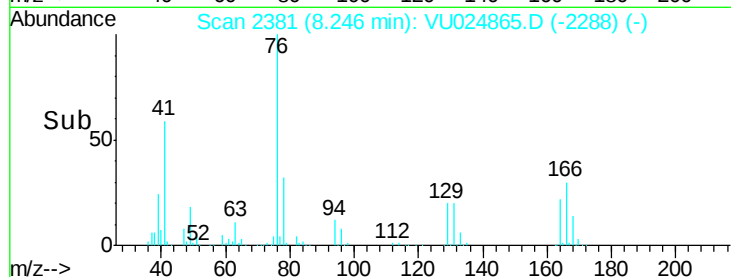
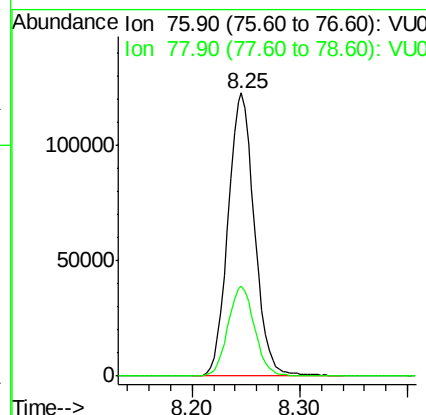
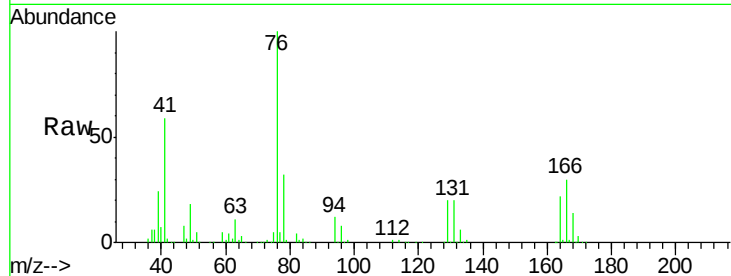
#57
 1,3-Dichloropropane
 Concen: 51.42 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 209152
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

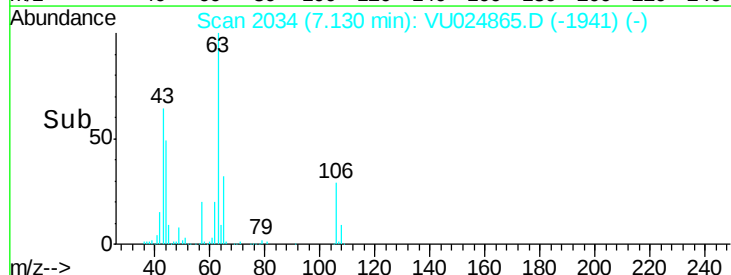
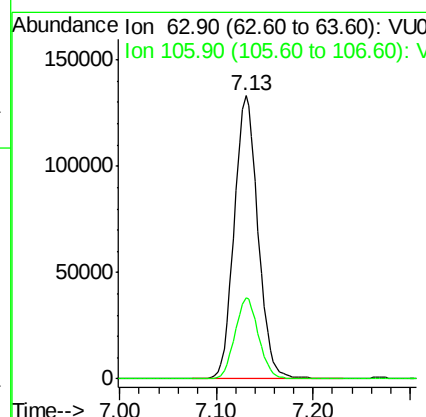
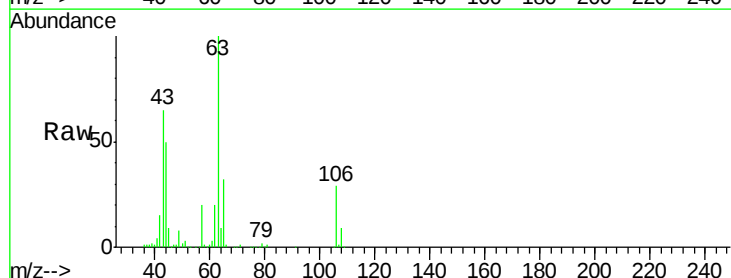
Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 146.73 ug/l
 RT: 7.13 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion: 63 Resp: 226883
 Ion Ratio Lower Upper
 63 100
 106 28.4 20.2 30.2





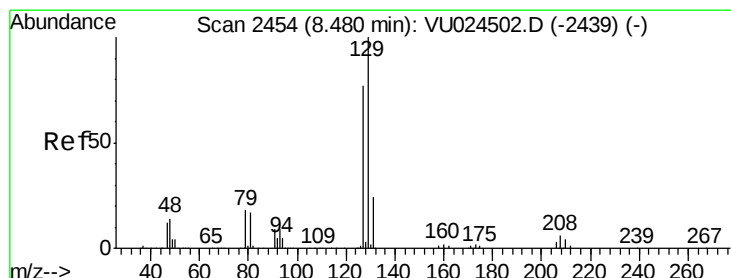
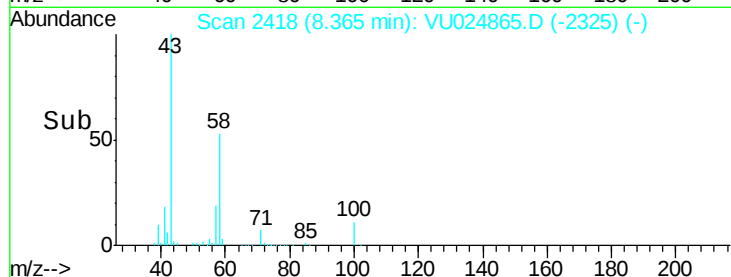
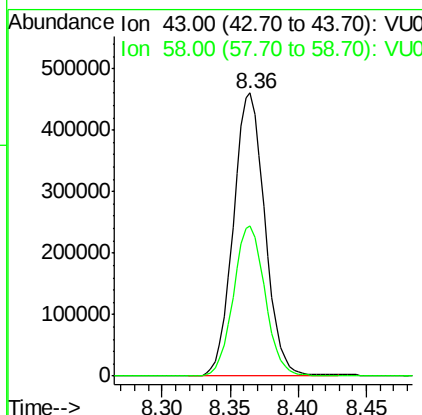
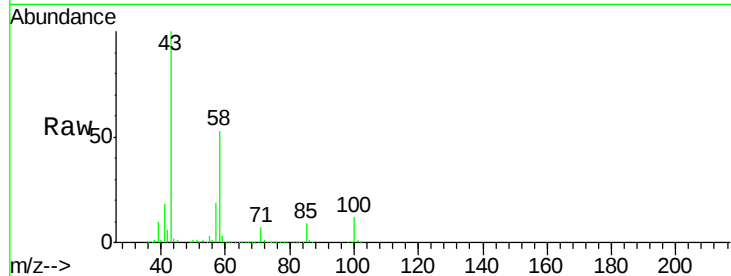
#59
2-Hexanone
Concen: 236.35 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.4	79.0

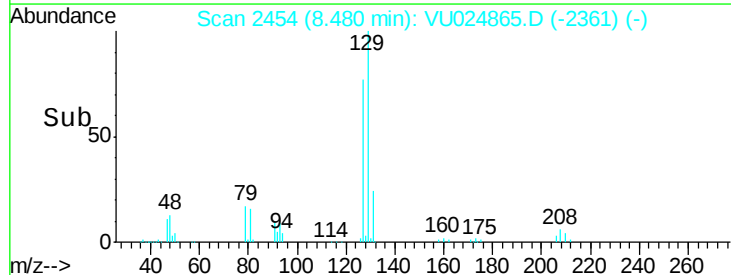
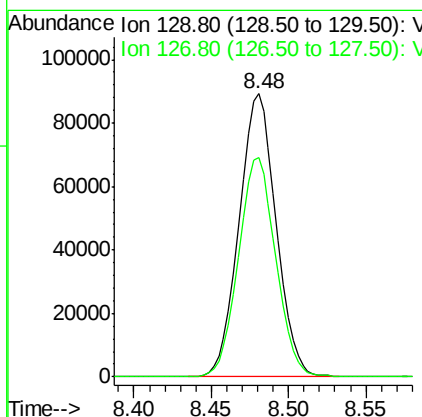
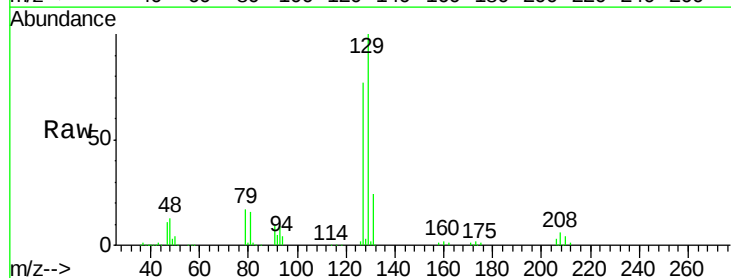
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#60
Dibromochloromethane
Concen: 49.38 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.6	116.0





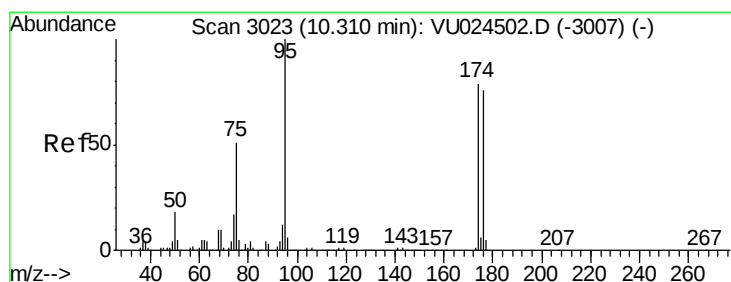
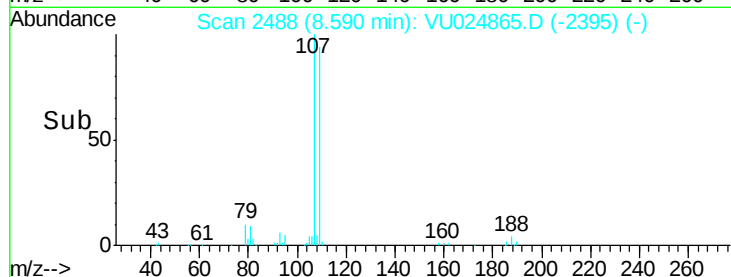
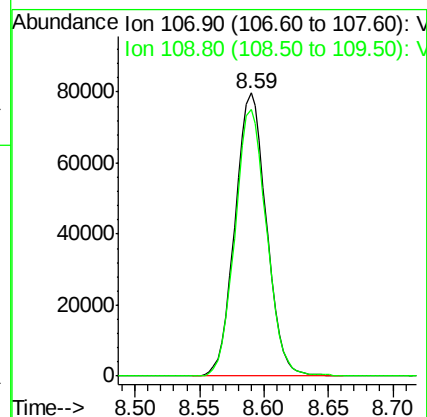
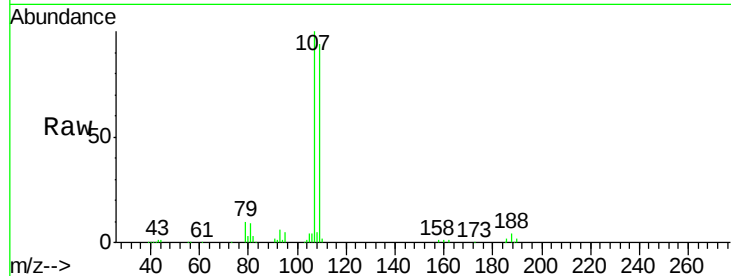
#61
 1,2-Dibromoethane
 Concen: 50.25 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.5	111.7

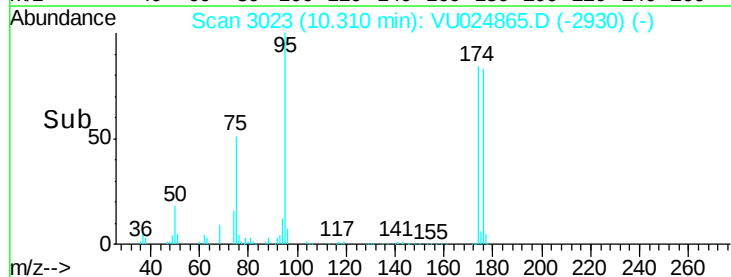
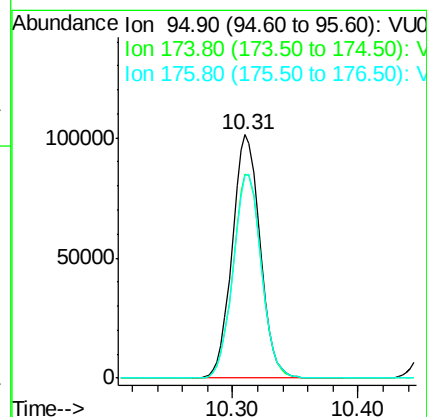
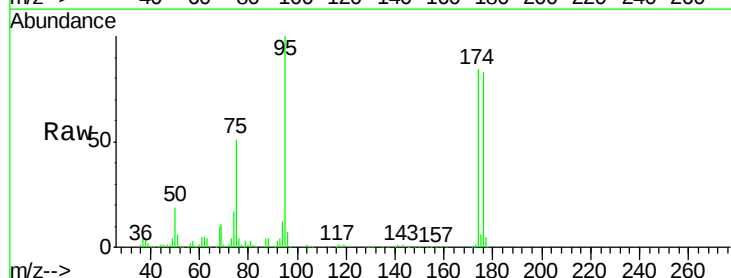
Manual Integrations
 APPROVED

apatel
 6/27/2018 11:18:47 AM



#62
 4-Bromofluorobenzene
 Concen: 47.20 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	165.8
176	84.5	0.0	159.4





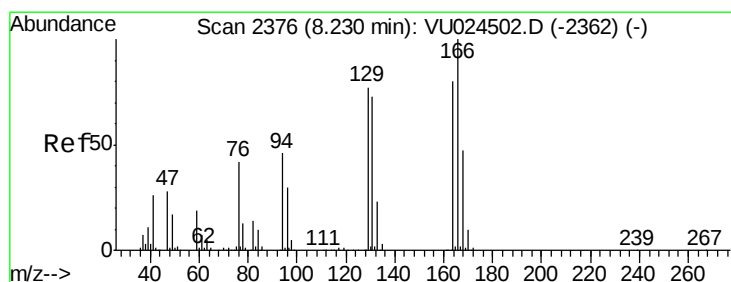
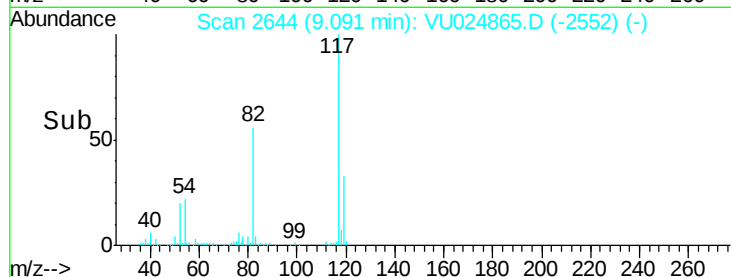
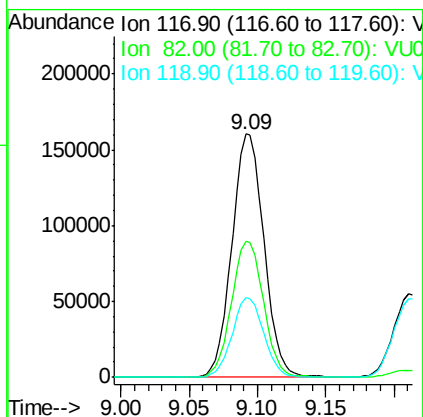
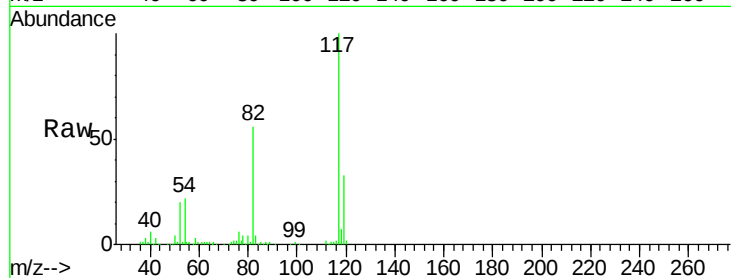
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	262571		
82	56.1		44.3	66.5
119	32.8		25.4	38.2

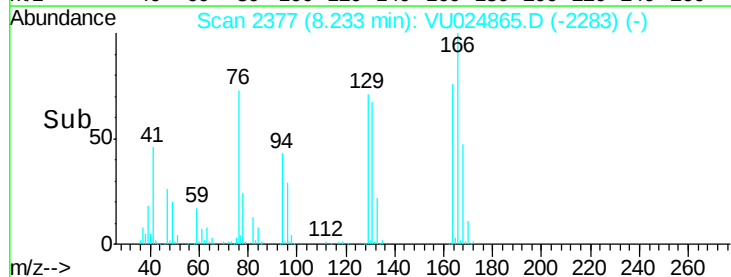
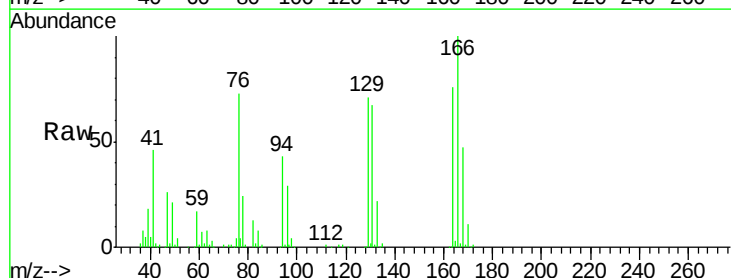
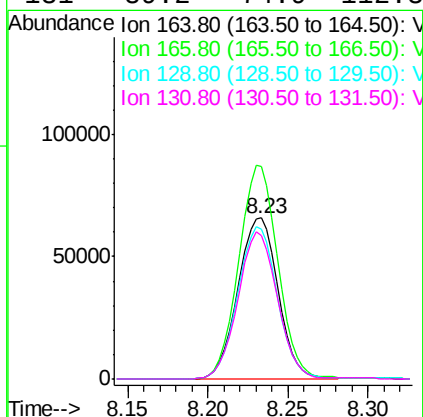
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#64
Tetrachloroethene
Concen: 45.15 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	112676		
166	132.2		101.7	152.5
129	93.3		76.9	115.3
131	89.2		74.9	112.3





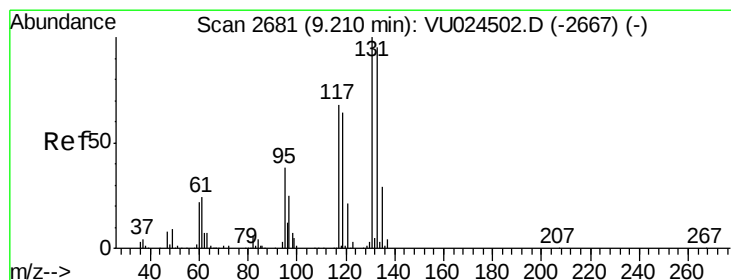
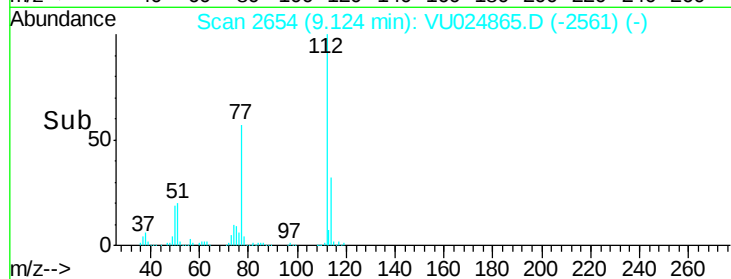
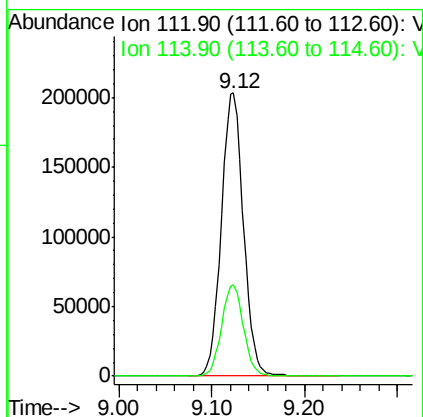
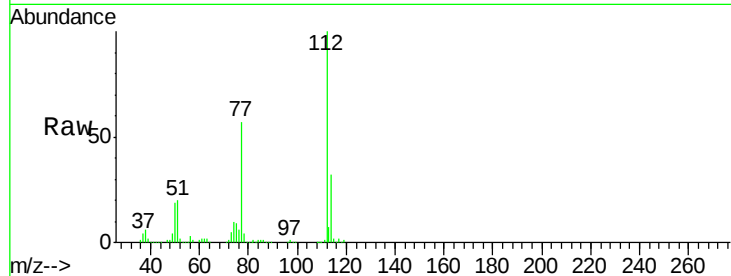
#65
Chlorobenzene
Concen: 50.04 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	335672		
114	32.1	25.6	38.4	

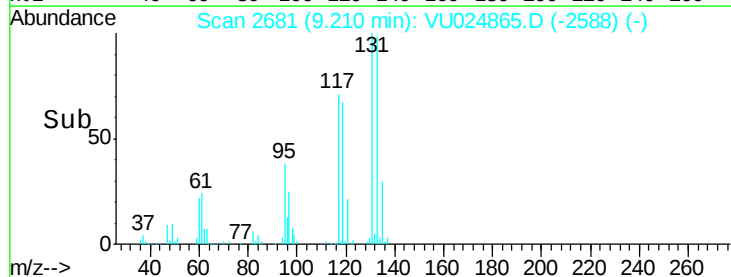
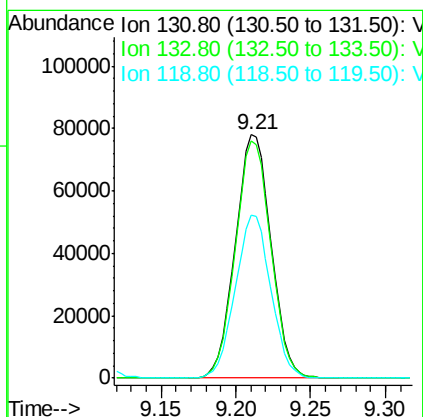
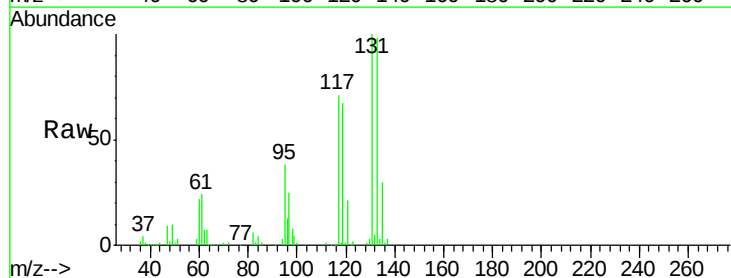
Manual Integrations
APPROVED

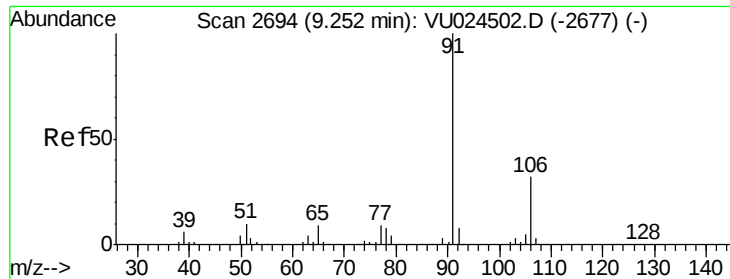
apatel
6/27/2018 11:18:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.06 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	130122		
133	96.8	46.9	140.8	
119	66.2	33.5	100.4	





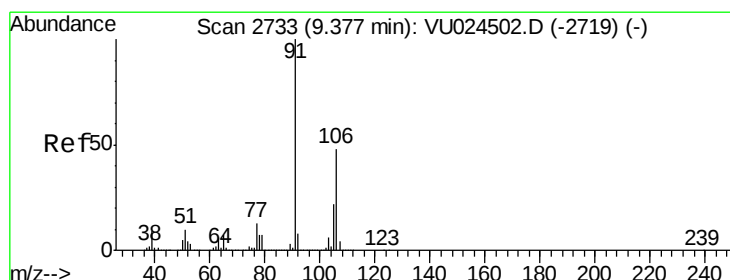
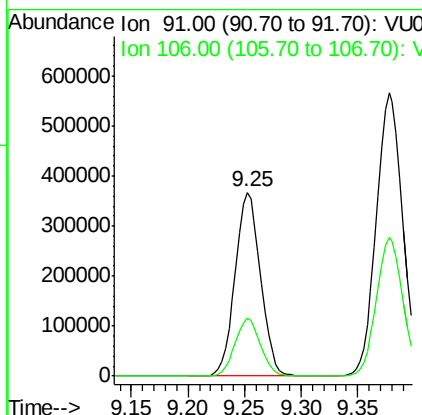
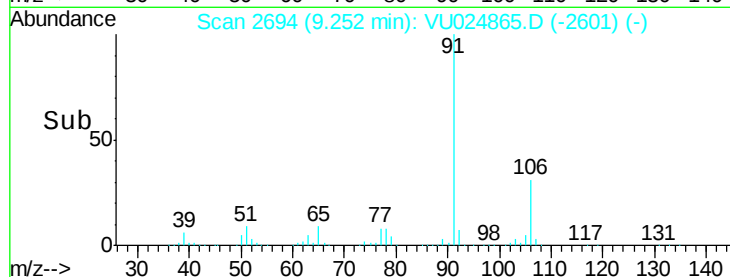
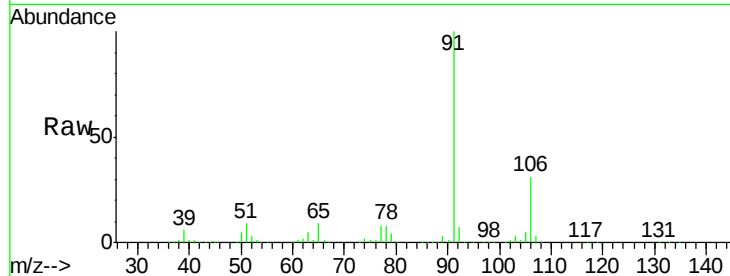
#67
Ethyl Benzene
Concen: 49.02 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 576443
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4

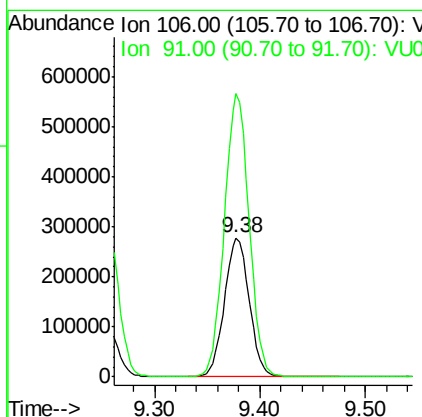
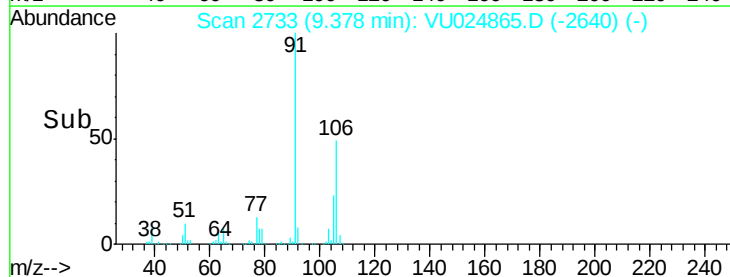
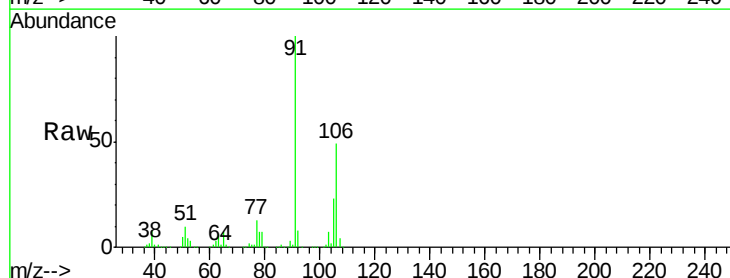
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#68
m/p-Xylenes
Concen: 100.17 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion: 106 Resp: 452325
Ion Ratio Lower Upper
106 100
91 202.8 166.5 249.7





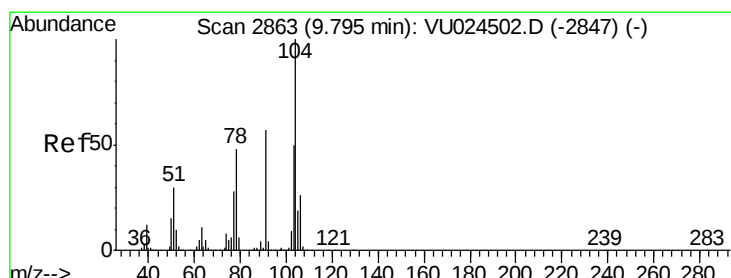
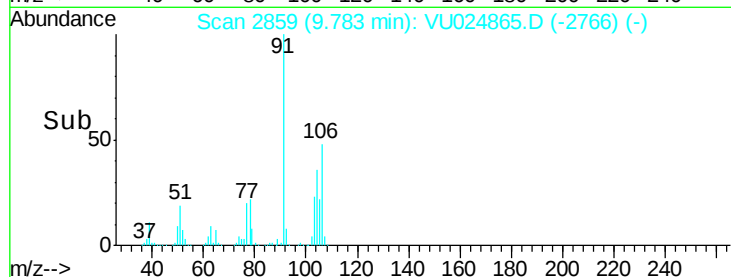
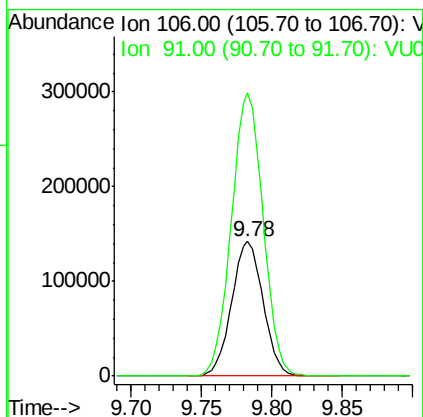
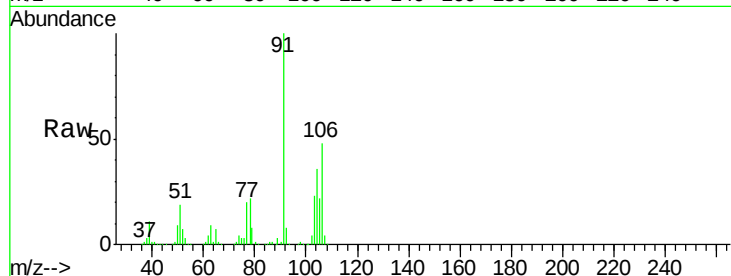
#69
o-Xylene
Concen: 49.72 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.6	110.7	331.9

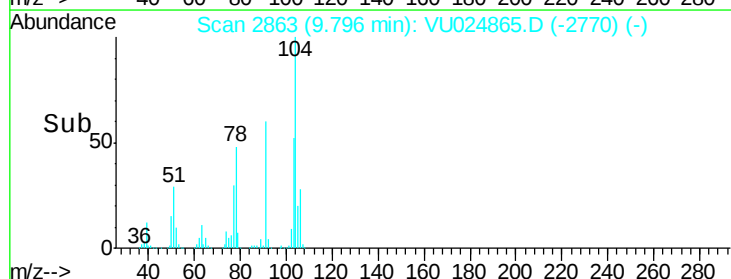
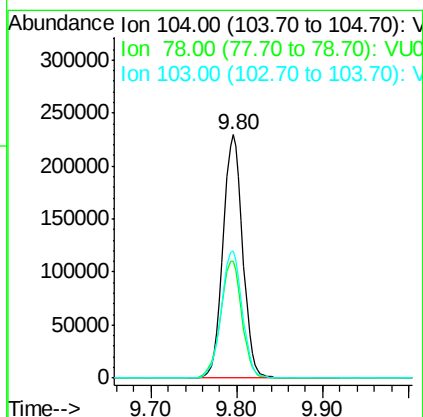
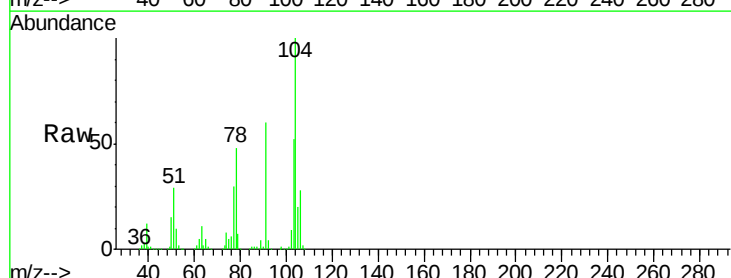
Manual Integrations
APPROVED

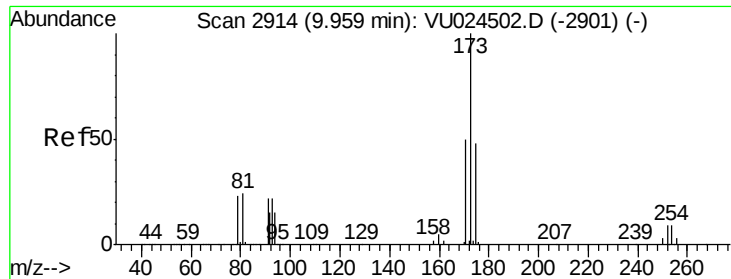
apatel
6/27/2018 11:18:47 AM



#70
Styrene
Concen: 49.77 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.0	40.6	60.8
103	55.8	44.7	67.1





#71

Bromoform

Concen: 49.73 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024865.D

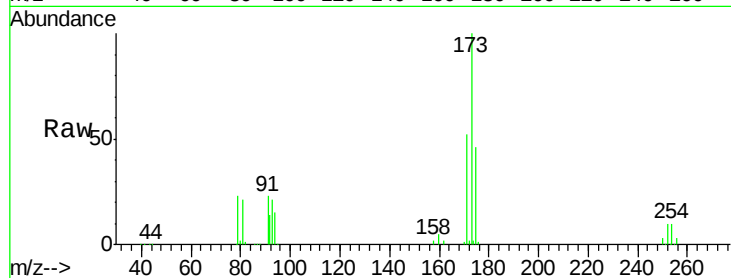
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

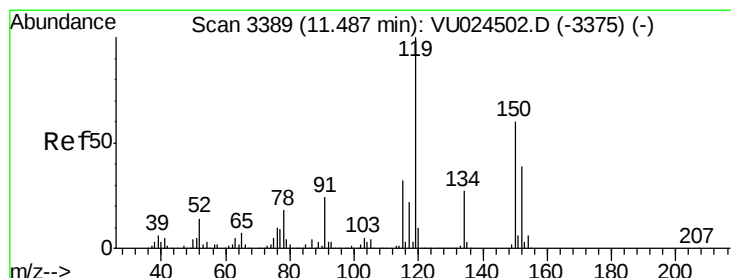
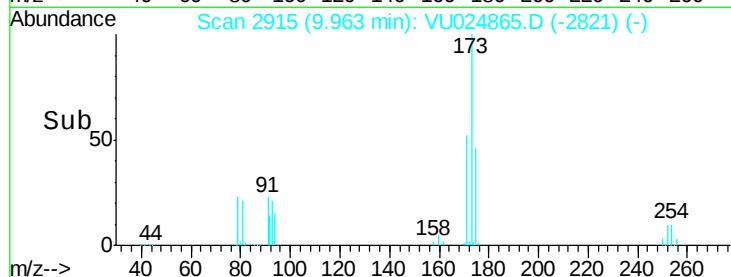
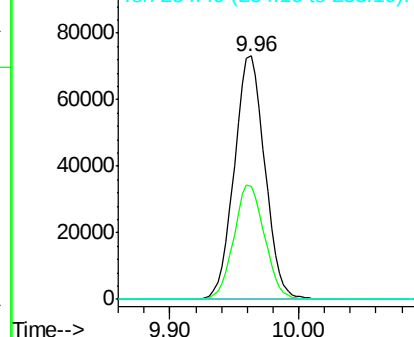
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	24.6	74.0
254	0.1	0.0	0.0#

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



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

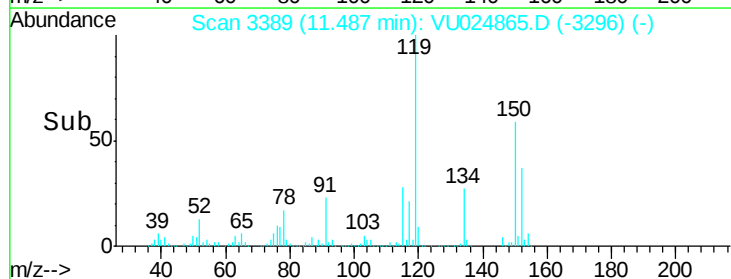
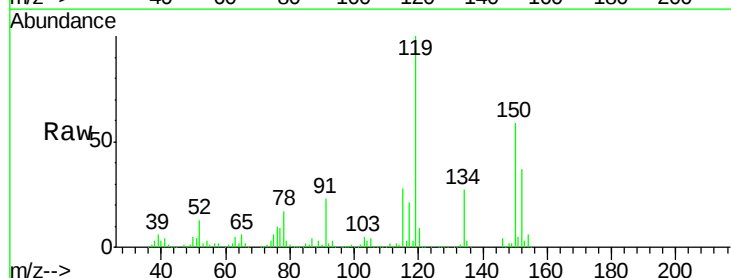
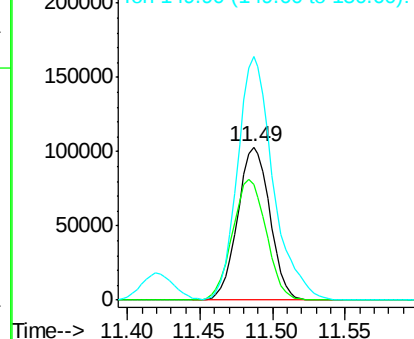
Delta R.T. 0.00 min

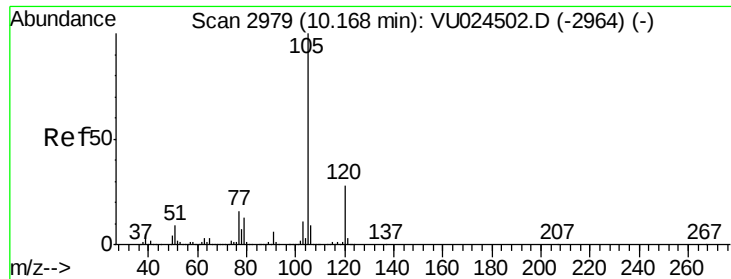
Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	82.4	43.0	129.0
150	175.1	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: 49.25 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 602314

Ion Ratio Lower Upper

105 100

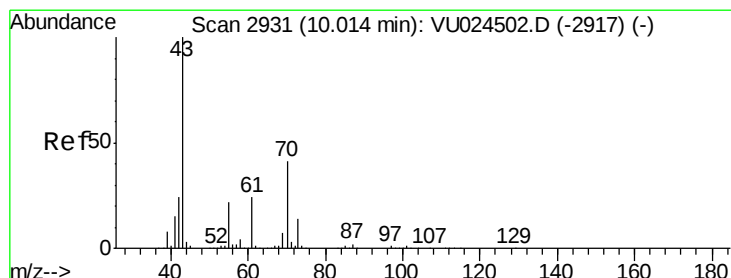
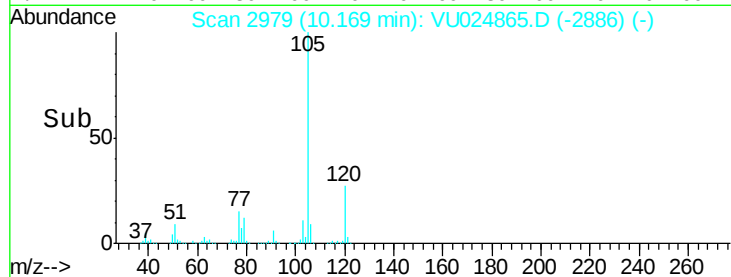
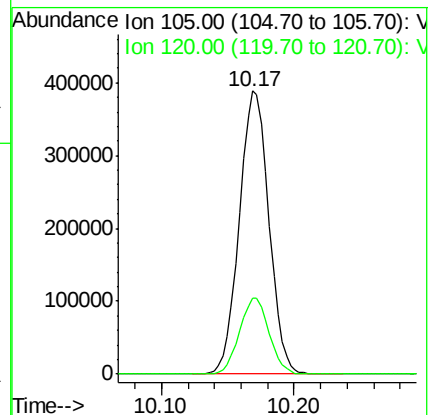
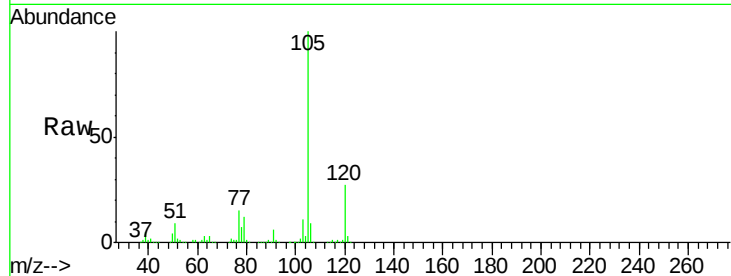
120 26.8 13.2 39.6

Manual Integrations

APPROVED

apatel

6/27/2018 11:18:47 AM



#74

N-ethyl acetate

Concen: 45.47 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion: 43 Resp: 264486

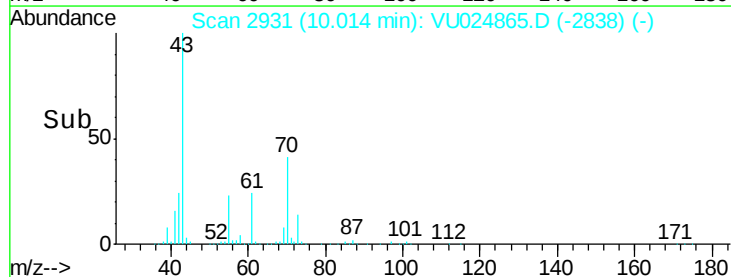
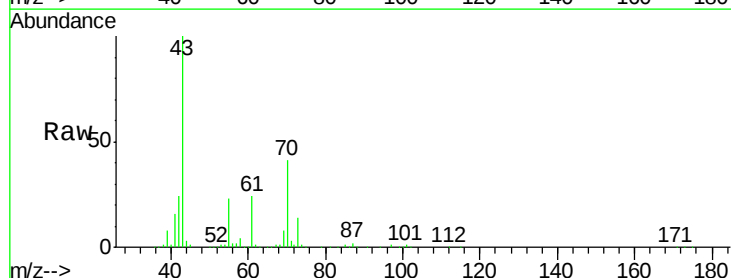
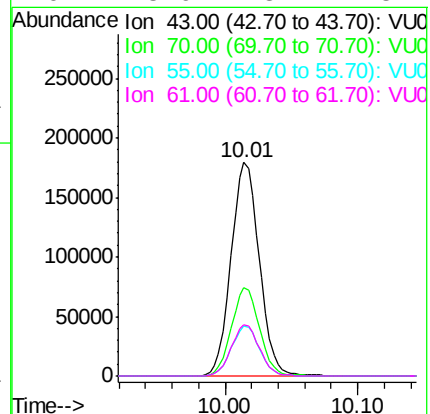
Ion Ratio Lower Upper

43 100

70 41.3 32.2 48.4

55 23.6 20.5 30.7

61 23.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 49.42 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 202537

Ion Ratio Lower Upper

83 100

131 10.7 4.7 14.1

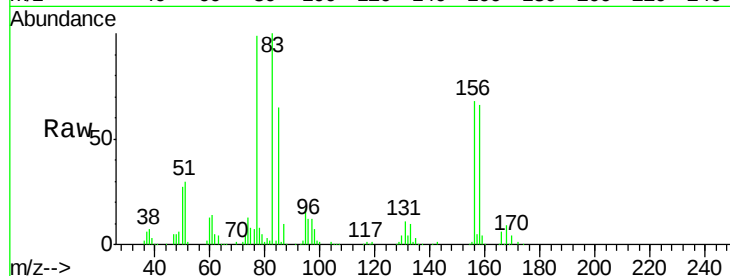
85 64.5 32.5 97.5

Manual Integrations

APPROVED

apatel

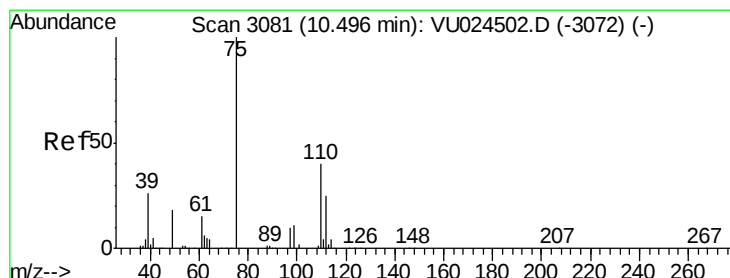
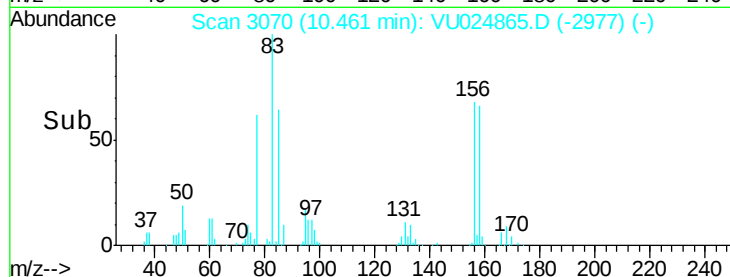
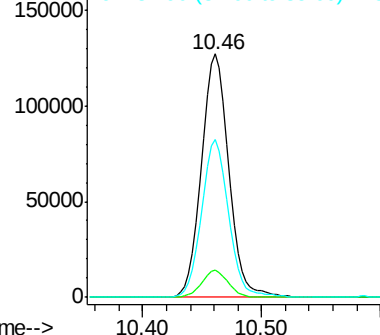
6/27/2018 11:18:47 AM



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 54.66 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU024865.D

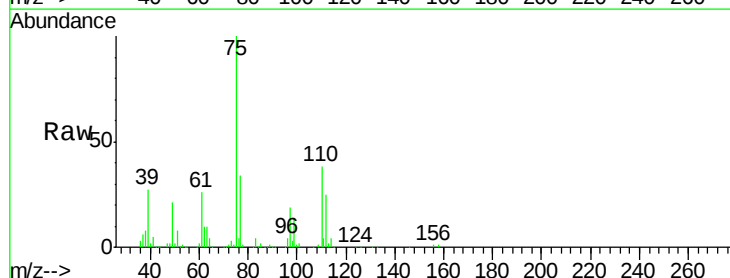
Acq: 25 Jun 2018 11:03

Tgt Ion: 75 Resp: 191701

Ion Ratio Lower Upper

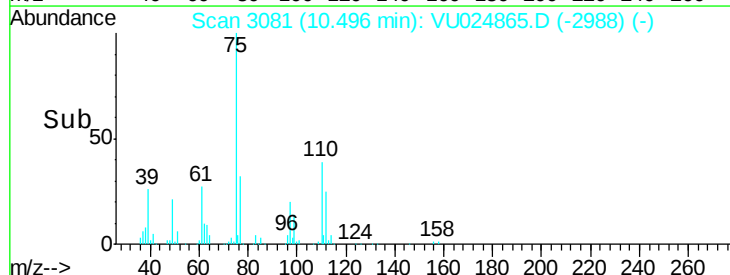
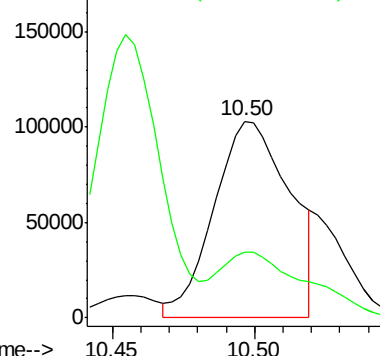
75 100

77 37.9 20.9 62.7



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#77

Bromobenzene

Concen: 49.73 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

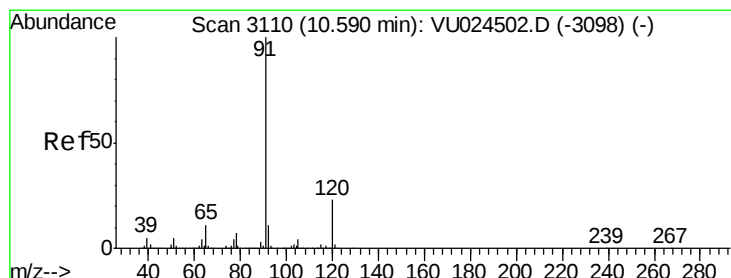
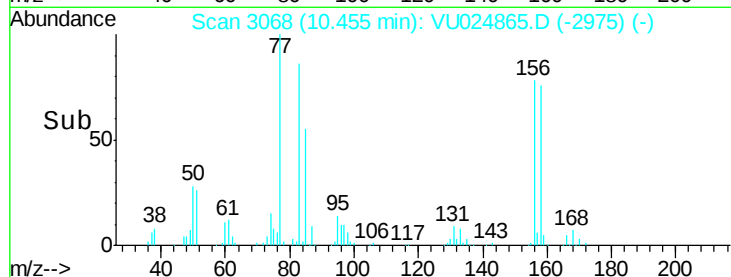
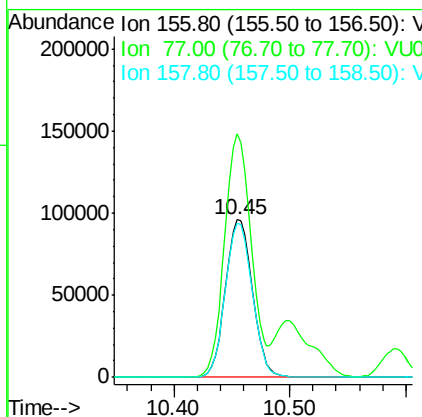
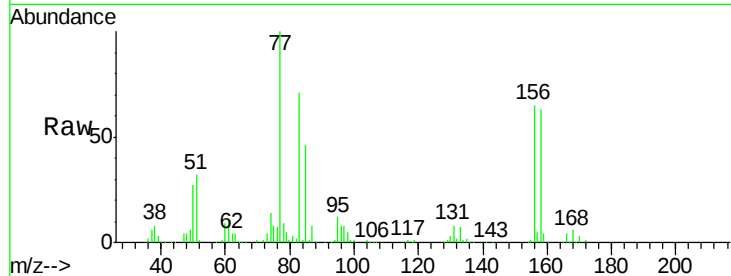
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	153982
Ion Ratio	Lower	Upper	
156	100		
77	152.6	80.5	241.3
158	97.9	48.2	144.6

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#78

n-propylbenzene

Concen: 48.07 ug/l

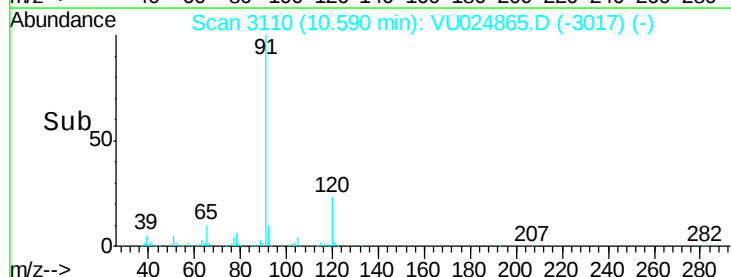
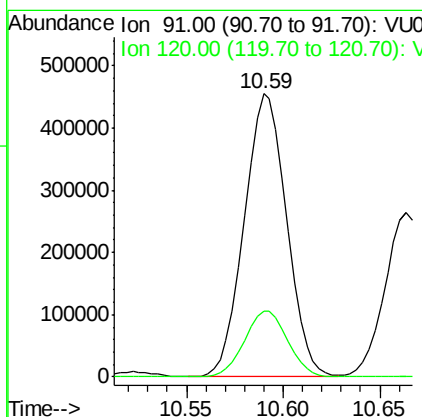
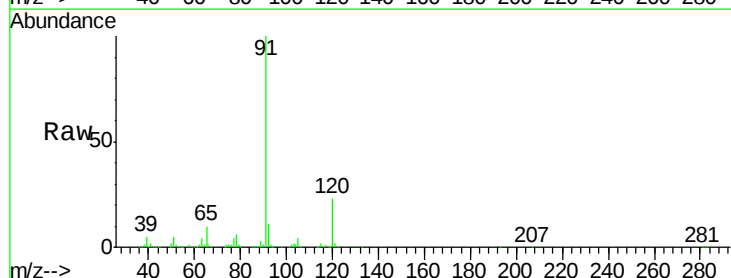
RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	91	Resp:	692454
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.2	33.5





#79

2-Chlorotoluene

Concen: 48.42 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 411346

Ion Ratio Lower Upper

91 100

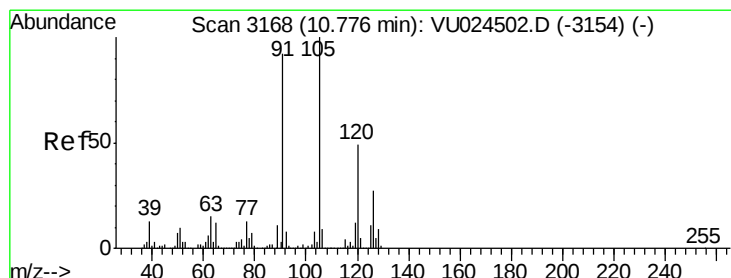
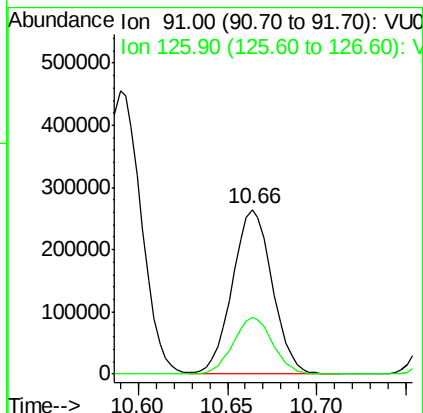
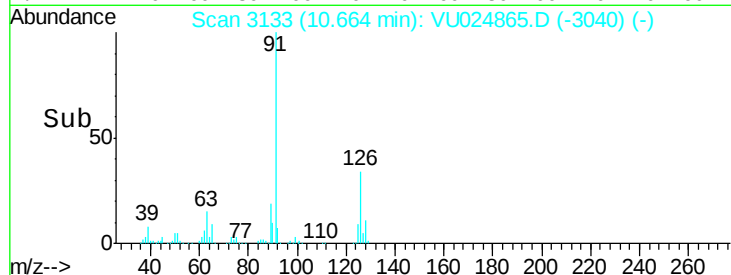
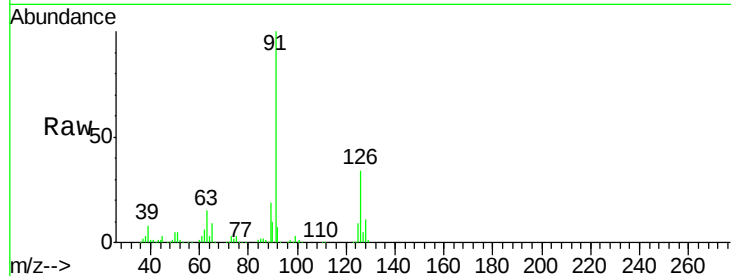
126 34.2 16.9 50.7

Manual Integrations

APPROVED

apatel

6/27/2018 11:18:47 AM



#80

1,3,5-Trimethylbenzene

Concen: 48.91 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VU024865.D

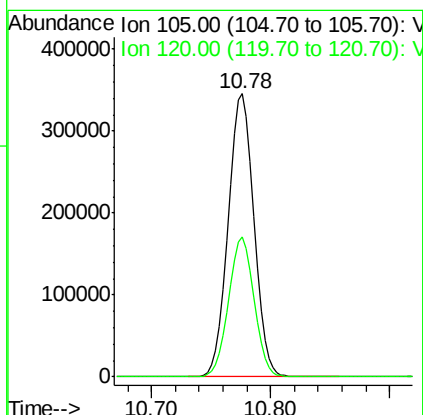
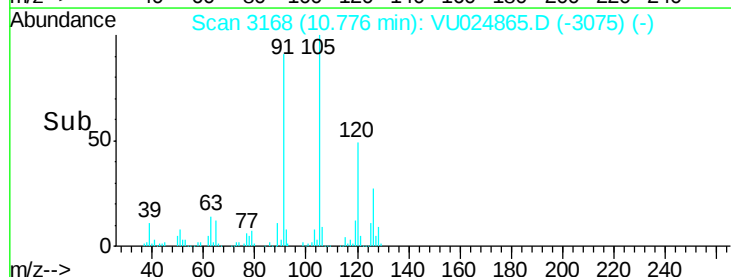
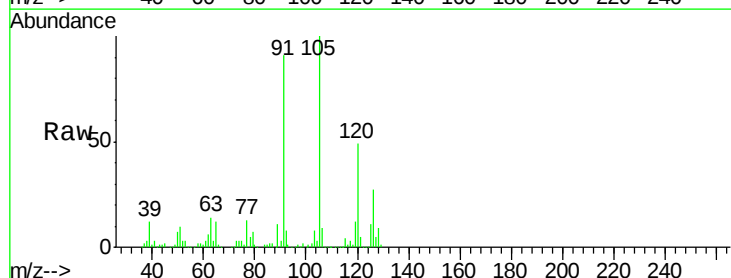
Acq: 25 Jun 2018 11:03

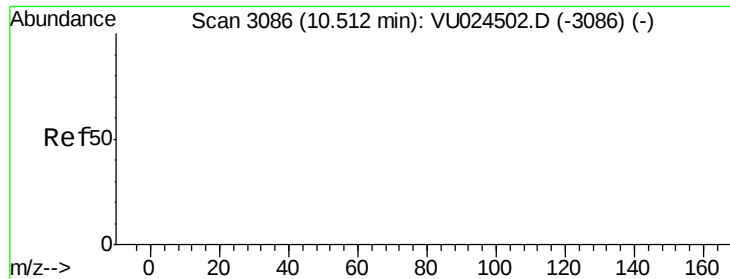
Tgt Ion: 105 Resp: 518442

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.2





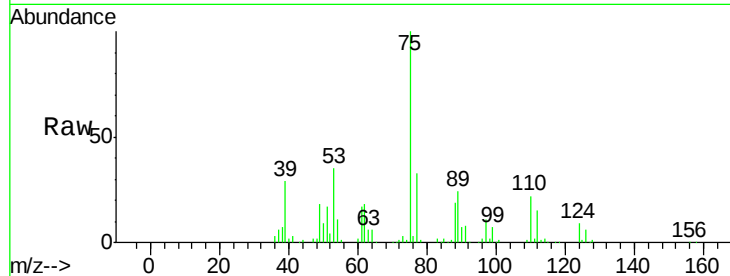
#81
trans-1,4-Dichloro-2-butene
Concen: 45.15 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

Manual Integrations
APPROVED

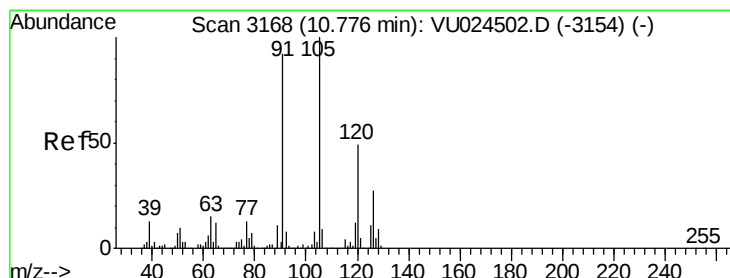
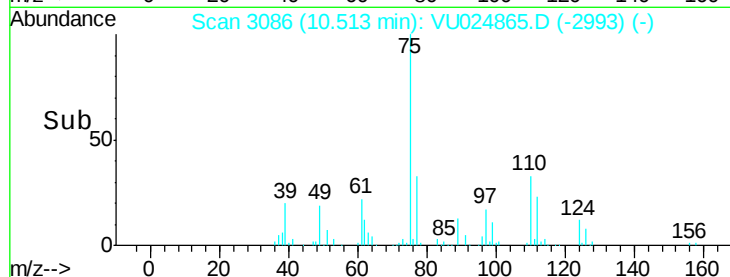
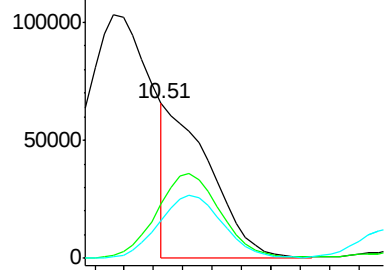
apatel
6/27/2018 11:18:47 AM



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

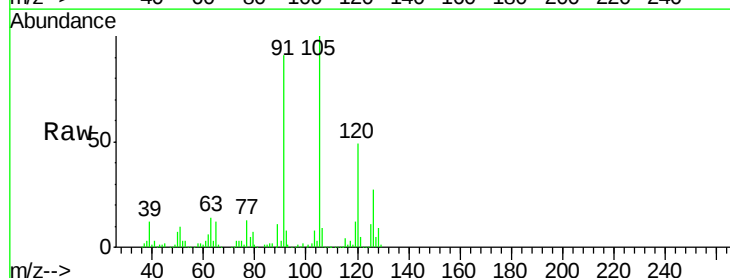
Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



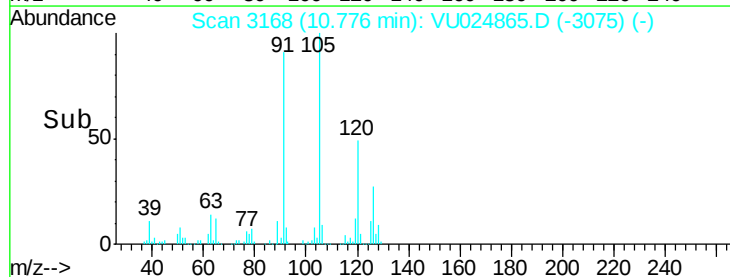
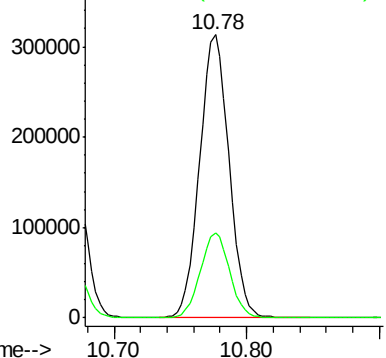
#82
4-Chlorotoluene
Concen: 48.63 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.1	14.9	44.9



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3154) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3154) (-)





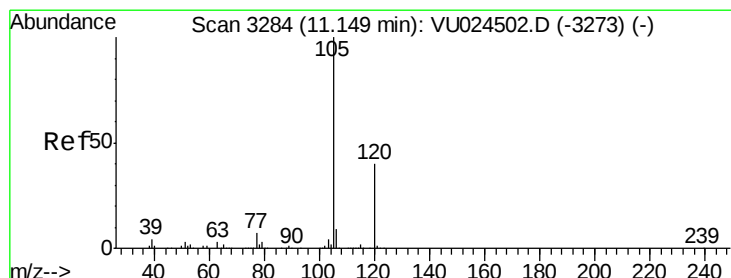
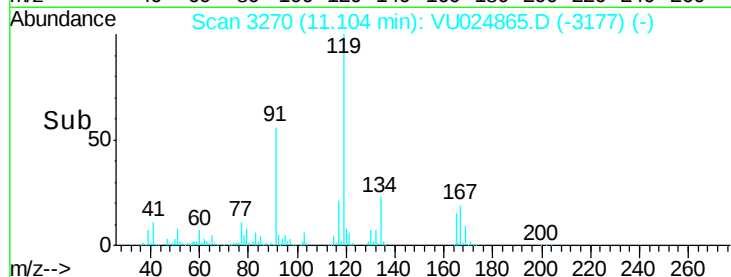
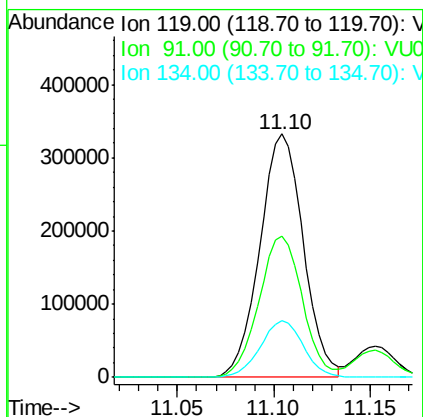
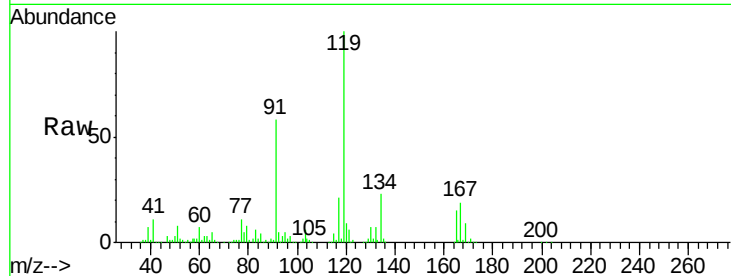
#83
 tert-Butylbenzene
 Concen: 51.10 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.1	29.7	89.1
134	23.0	11.6	34.7

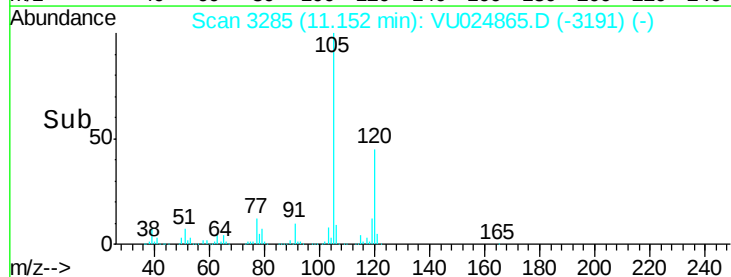
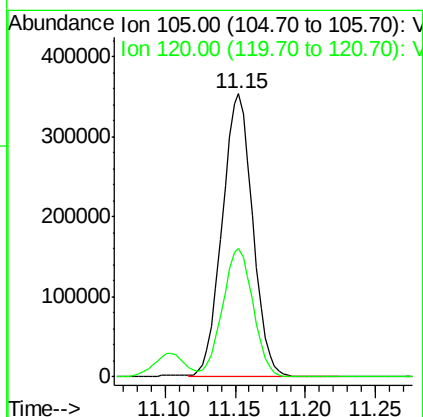
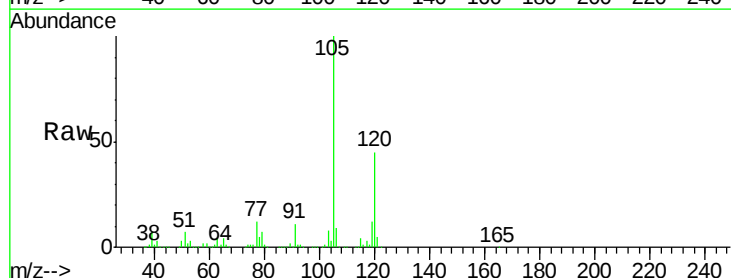
Manual Integrations
 APPROVED

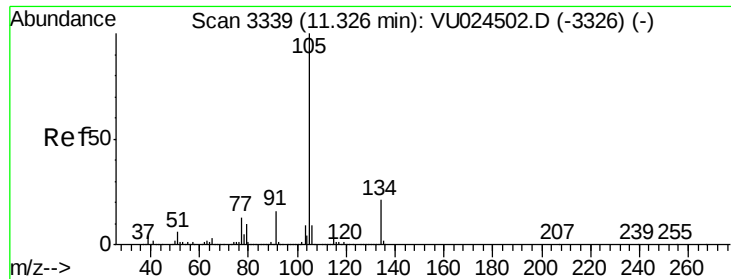
apatel
 6/27/2018 11:18:47 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.28 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.8





#85

sec-Butylbenzene

Concen: 49.07 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 626263

Ion Ratio Lower Upper

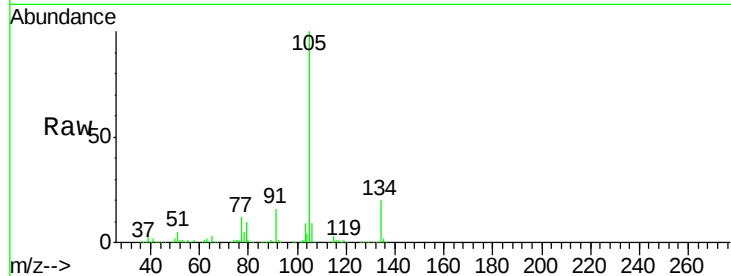
105 100

134 20.5 9.7 29.1

Manual Integrations
APPROVED

apatel

6/27/2018 11:18:47 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.33

400000

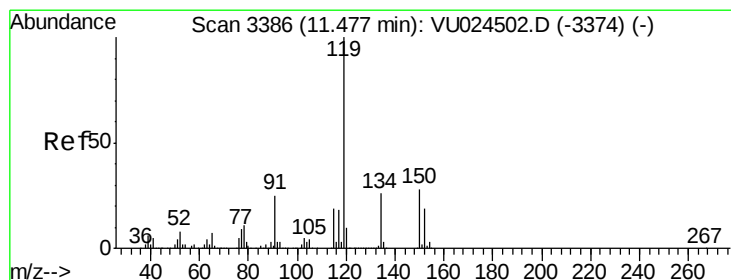
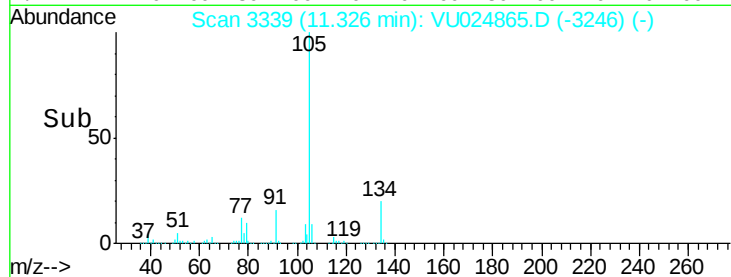
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.18 ug/l

RT: 11.48 min Scan# 3387

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

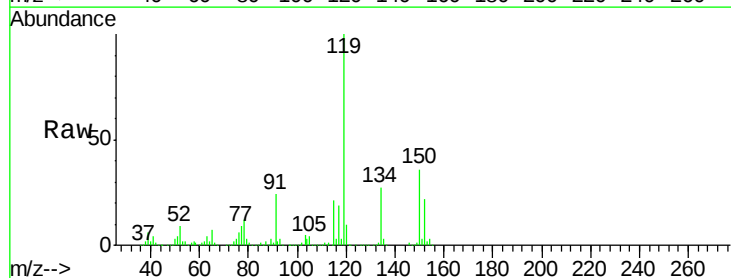
Tgt Ion:119 Resp: 562217

Ion Ratio Lower Upper

119 100

134 27.0 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): VU

11.48

500000

400000

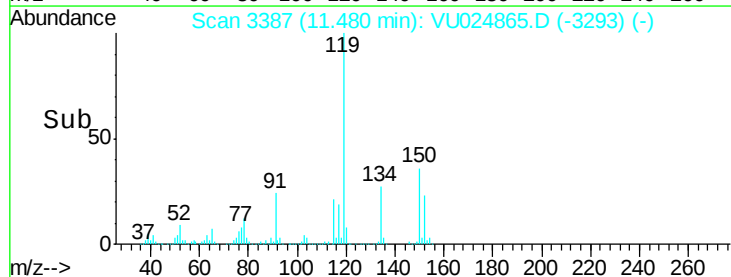
300000

200000

100000

0

Time-->





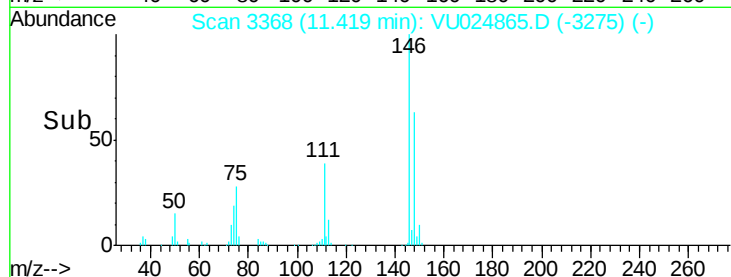
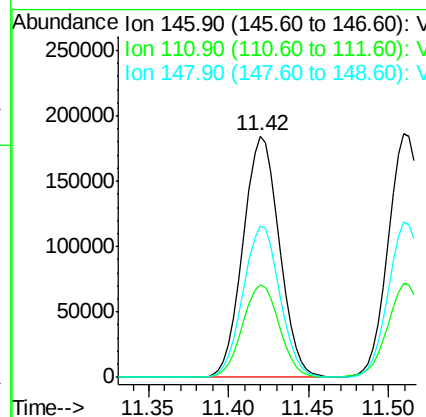
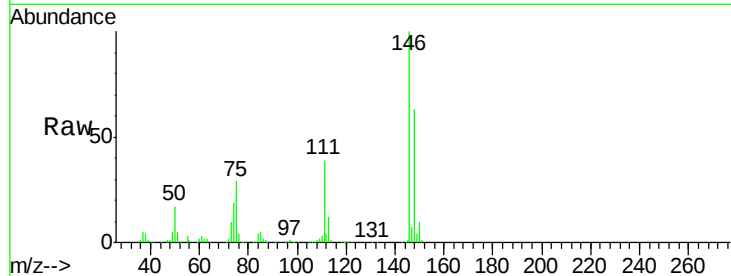
#87
 1,3-Dichlorobenzene
 Concen: 50.01 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.0	60.0
148	63.4	32.1	96.5

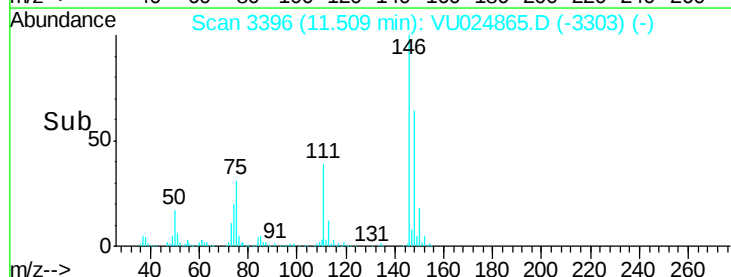
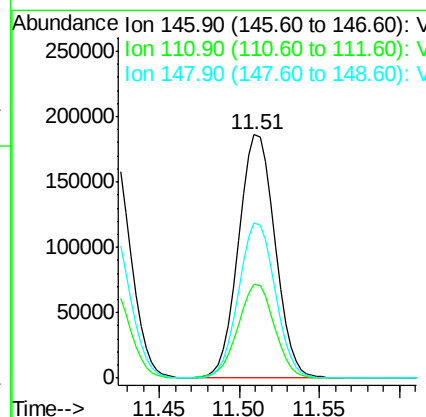
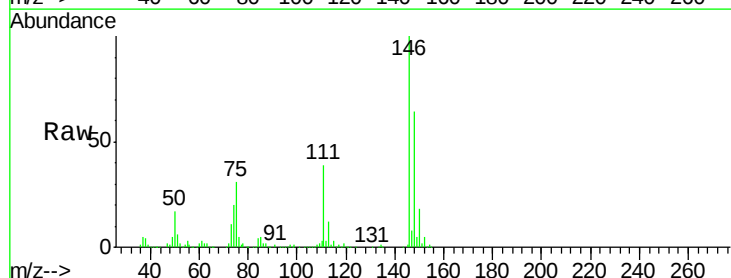
Manual Integrations
 APPROVED

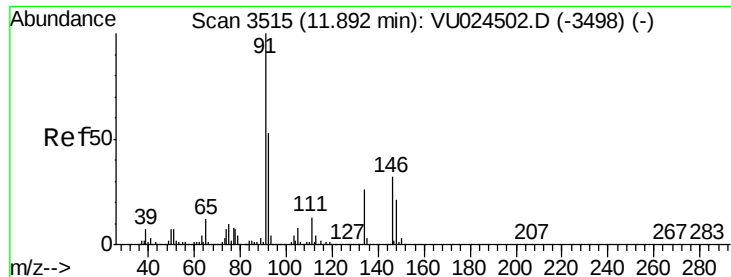
apatel
 6/27/2018 11:18:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.05 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU024865.D
 Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	63.9	32.4	97.0





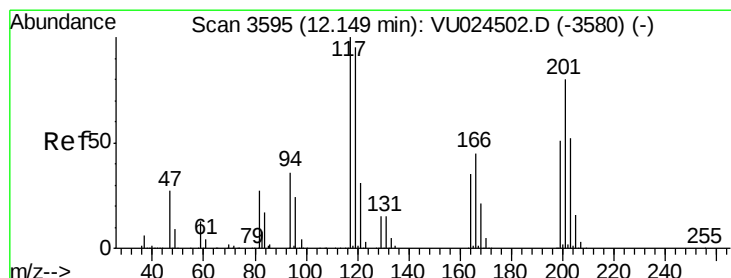
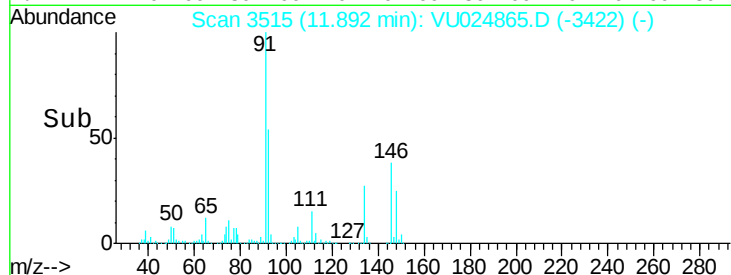
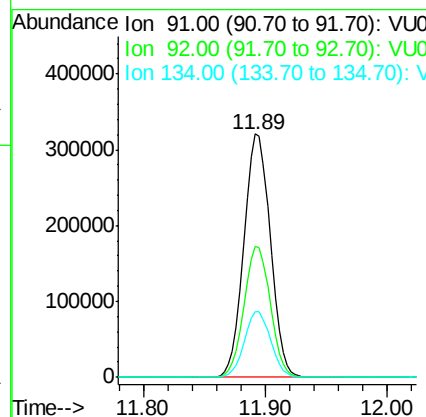
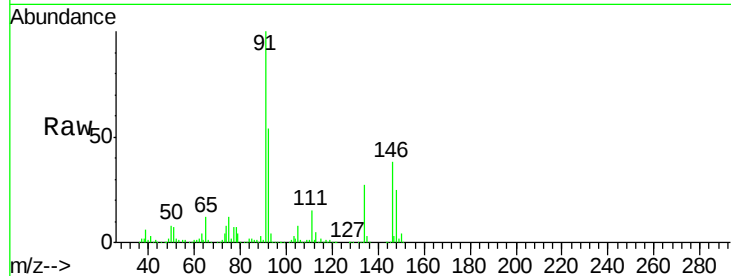
#89
n-Butylbenzene
Concen: 47.26 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	25.6	76.8
134	27.0	12.3	36.8

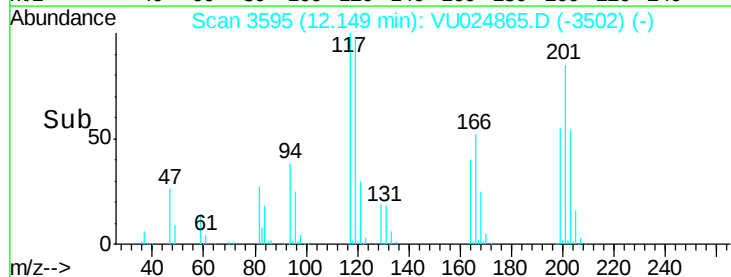
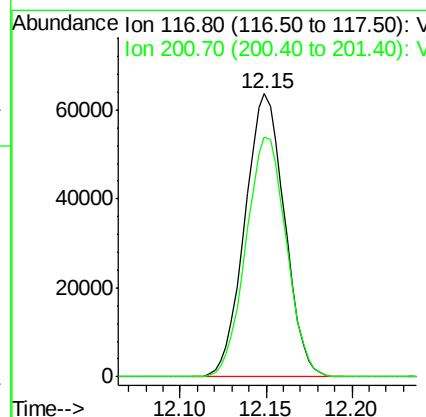
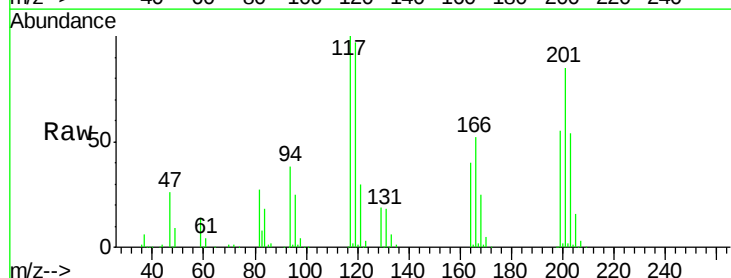
Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#90
Hexachloroethane
Concen: 45.69 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. 0.00 min
Lab File: VU024865.D
Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.8	41.1	123.3





#91

1,2-Dichlorobenzene

Concen: 51.43 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

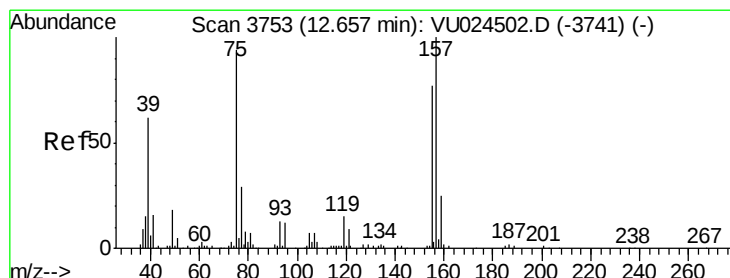
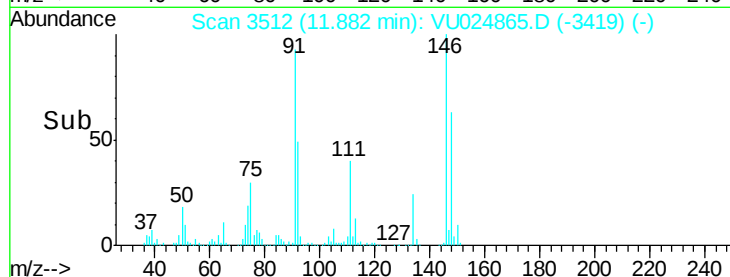
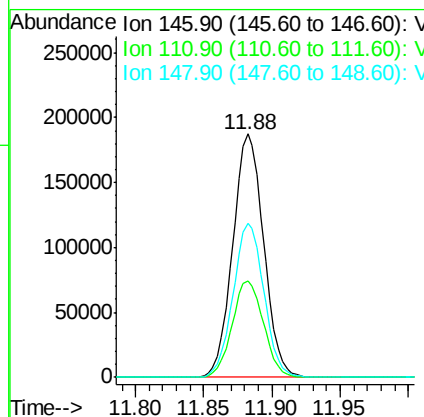
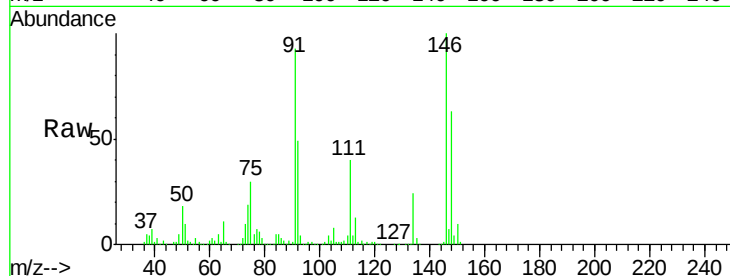
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	294647
Ion Ratio	Lower	Upper	
146	100		
111	40.2	20.5	61.6
148	63.0	31.9	95.7

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.65 ug/l

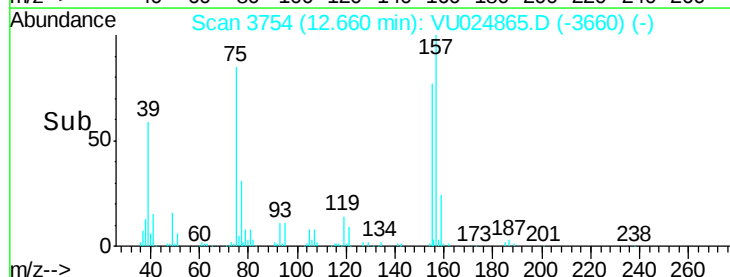
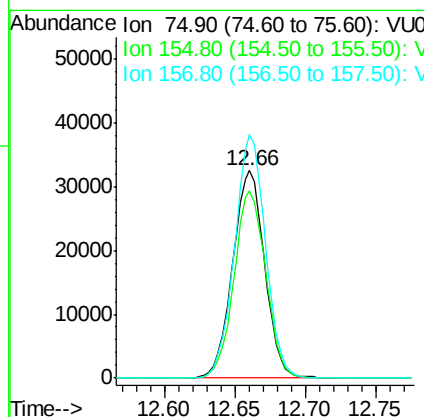
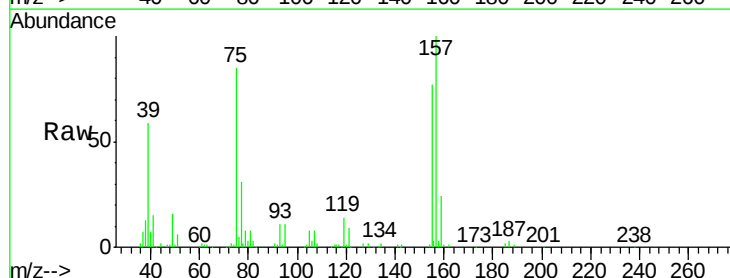
RT: 12.66 min Scan# 3754

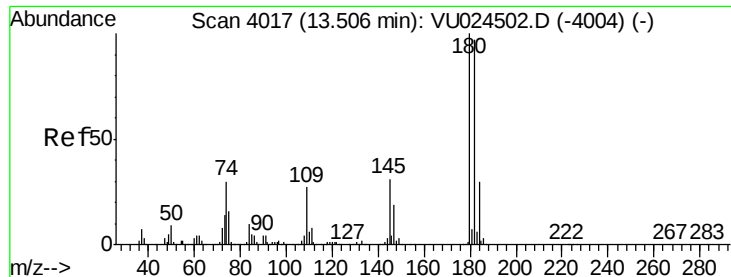
Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	75	Resp:	51620
Ion Ratio	Lower	Upper	
75	100		
155	89.5	40.4	121.2
157	113.6	52.3	156.8





#93

1,2,4-Trichlorobenzene

Concen: 57.80 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

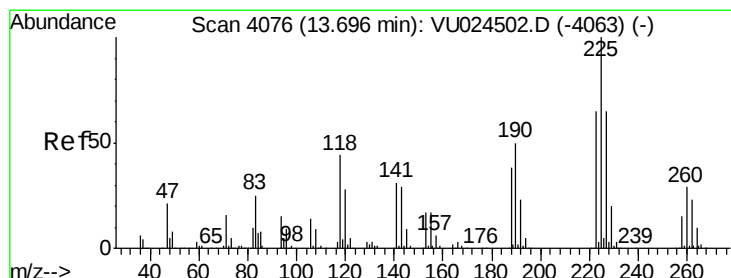
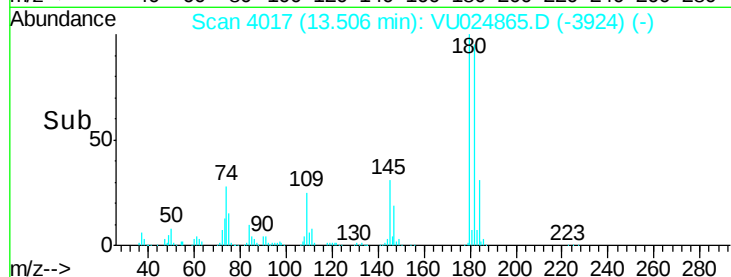
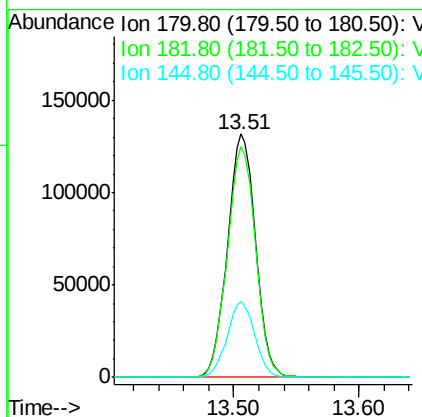
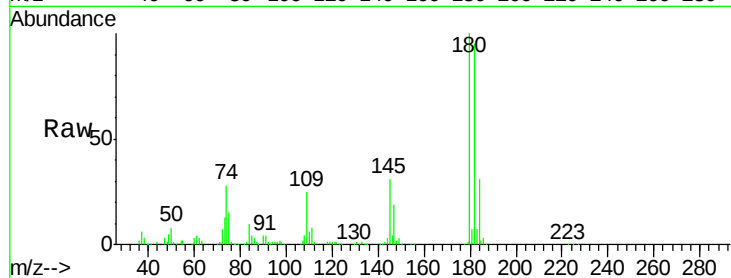
ClientSampleId :

VSTDCCC050

Tot Ion:	180	Resp:	204486
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.0	144.2
145	30.5	14.7	44.1

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#94

Hexachlorobutadiene

Concen: 51.99 ug/l

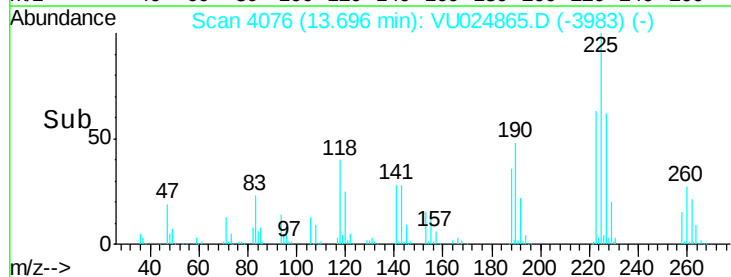
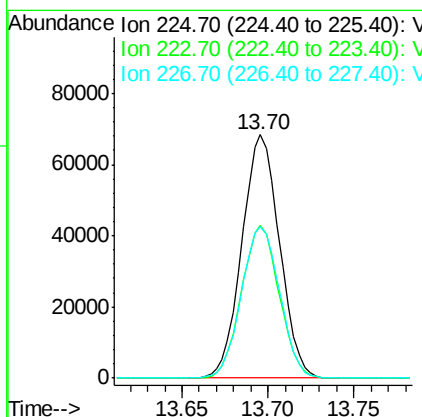
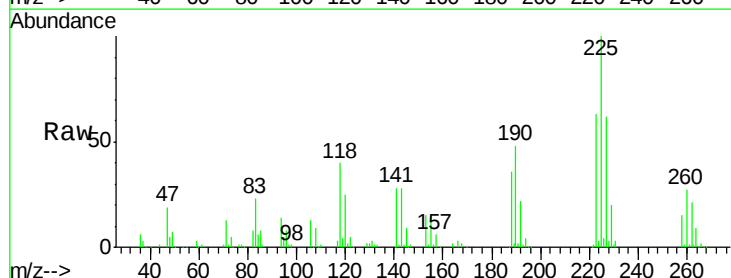
RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion:	225	Resp:	103521
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.3	93.8
227	63.3	31.8	95.4





#95

Naphthalene

Concen: 55.46 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Instrument :

MSVOA_U

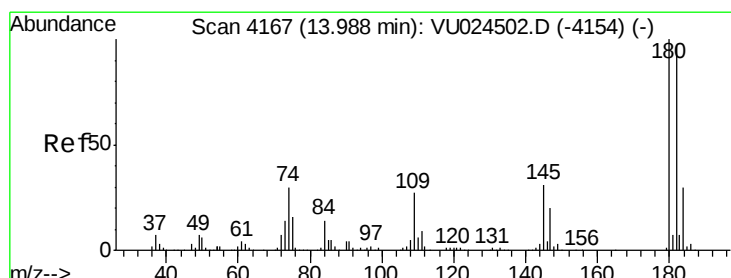
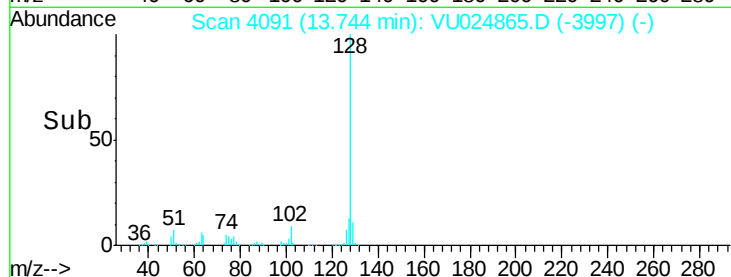
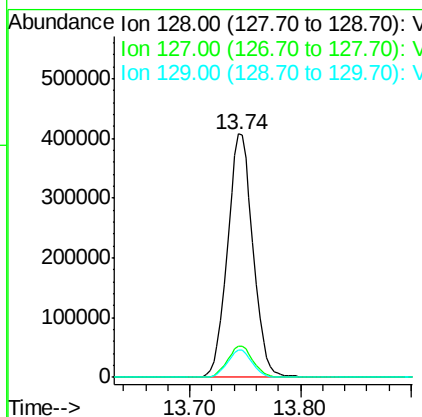
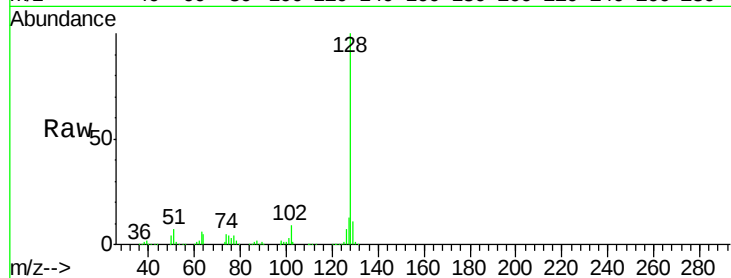
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.0	8.6	12.8

Manual Integrations
APPROVED

apatel
6/27/2018 11:18:47 AM



#96

1,2,3-Trichlorobenzene

Concen: 60.30 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024865.D

Acq: 25 Jun 2018 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.7
145	31.3	15.4	46.1

