

Data File : VW003254.D
Acq On : 13 Jun 2018 19:33
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM

Quant Time: Jun 14 08:26:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	445573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	410814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	218050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	166891	54.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.70%	
35) Dibromofluoromethane	7.88	113	147642	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.33	98	592349	53.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.63	95	214895	55.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	41628	49.013	ug/l	89
3) Chloromethane	2.21	50	110108	51.310	ug/l	96
4) Vinyl Chloride	2.35	62	148484	47.465	ug/l	100
5) Bromomethane	2.78	94	98662	47.451	ug/l	93
6) Chloroethane	2.92	64	99370	45.634	ug/l	99
7) Trichlorofluoromethane	3.25	101	85254	45.490	ug/l	97
8) Diethyl Ether	3.67	74	67310	48.891	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	121196	46.571	ug/l	99
10) Methyl Iodide	4.26	142	190683	48.449	ug/l	99
11) Tert butyl alcohol	5.26	59	44631	273.481	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	119096	46.830	ug/l	98
13) Acrolein	3.90	56	58566	251.004	ug/l	98
14) Allyl chloride	4.66	41	219165	49.752	ug/l	99
15) Acrylonitrile	5.38	53	145934	257.637	ug/l	99
16) Acetone	4.15	43	156087	244.575	ug/l	98
17) Carbon Disulfide	4.37	76	356141	47.369	ug/l	100
18) Methyl Acetate	4.68	43	78156	51.622	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	248726	52.218	ug/l	99
20) Methylene Chloride	4.91	84	140130	51.823	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	134293	48.521	ug/l	99
22) Diisopropyl ether	6.31	45	458768	51.746	ug/l	97
23) Vinyl Acetate	6.26	43	1347766	263.800	ug/l	99
24) 1,1-Dichloroethane	6.21	63	262020	49.783	ug/l	99
25) 2-Butanone	7.18	43	202524	255.202	ug/l	96
26) 2,2-Dichloropropane	7.17	77	164999	46.973	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	152763	50.243	ug/l	99
28) Bromochloromethane	7.51	49	123749	56.501	ug/l	99
29) Tetrahydrofuran	7.54	42	128114	264.147	ug/l	99
30) Chloroform	7.68	83	265566	49.527	ug/l	98
31) Cyclohexane	7.96	56	223609	45.476	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	216196	48.847	ug/l	99
36) 1,1-Dichloropropene	8.09	75	205291	47.708	ug/l	100
37) Ethyl Acetate	7.26	43	88698	49.756	ug/l	99
38) Carbon Tetrachloride	8.07	117	202100	47.881	ug/l	99

Data File : VW003254.D
Acq On : 13 Jun 2018 19:33
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM

Quant Time: Jun 14 08:26:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	241428	48.489	ug/l	99
40) Benzene	8.32	78	577342	48.675	ug/l	100
41) Methacrylonitrile	7.49	41	56958	52.067	ug/l	98
42) 1,2-Dichloroethane	8.40	62	183840	49.470	ug/l	99
43) Isopropyl Acetate	8.43	43	180216	50.913	ug/l	100
44) Trichloroethene	9.10	130	151623	48.242	ug/l	94
45) 1,2-Dichloropropane	9.37	63	150989	49.996	ug/l	98
46) Dibromomethane	9.46	93	77623	50.203	ug/l	99
47) Bromodichloromethane	9.65	83	196800	49.656	ug/l	99
48) Methyl methacrylate	9.45	41	89792	53.978	ug/l	96
49) 1,4-Dioxane	9.49	88	24107	1032.613	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	472182	261.790	ug/l	99
52) Toluene	10.39	92	373233	49.070	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	204660	50.552	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	231722	50.288	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	108803	49.937	ug/l	99
56) Ethyl methacrylate	10.65	69	141330	53.418	ug/l	99
57) 1,3-Dichloropropane	10.94	76	189093	50.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	312816	263.748	ug/l	99
59) 2-Hexanone	10.98	43	336778	267.279	ug/l	99
60) Dibromochloromethane	11.13	129	131827	50.878	ug/l	99
61) 1,2-Dibromoethane	11.24	107	103754	50.343	ug/l	99
64) Tetrachloroethene	10.87	164	131348	47.802	ug/l	98
65) Chlorobenzene	11.66	112	411727	48.128	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	146149	48.613	ug/l	99
67) Ethyl Benzene	11.74	91	744099	49.068	ug/l	99
68) m/p-Xylenes	11.85	106	568783	98.668	ug/l	98
69) o-Xylene	12.17	106	267306	50.034	ug/l	100
70) Styrene	12.19	104	454392	51.098	ug/l	99
71) Bromoform	12.35	173	78886	50.630	ug/l	100
73) Isopropylbenzene	12.48	105	747901	49.313	ug/l	100
74) N-amyl acetate	12.28	43	180262	52.219	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	130594	50.898	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	94024m	50.440	ug/l	
77) Bromobenzene	12.76	156	173643	49.162	ug/l	98
78) n-propylbenzene	12.81	91	914957	49.268	ug/l	100
79) 2-Chlorotoluene	12.90	91	514678	49.041	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	635840	49.948	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	41232	50.898	ug/l	100
82) 4-Chlorotoluene	13.00	91	545043	48.957	ug/l	99
83) tert-Butylbenzene	13.21	119	538994	49.682	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	652825	49.853	ug/l	100
85) sec-Butylbenzene	13.40	105	793904	49.232	ug/l	100
86) p-Isopropyltoluene	13.51	119	701011	49.287	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	351390	48.428	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	348849	48.361	ug/l	99
89) n-Butylbenzene	13.83	91	683654	49.312	ug/l	100
90) Hexachloroethane	14.10	117	127386	49.511	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	312821	49.217	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22399	51.875	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061318\
Quantitation Report (QT Reviewed)

Data File : VW003254.D
Acq On : 13 Jun 2018 19:33
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM

Quant Time: Jun 14 08:26:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	218968	49.075	ug/l	99
94) Hexachlorobutadiene	15.25	225	128244	47.781	ug/l	99
95) Naphthalene	15.38	128	397183	52.476	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	191561	48.775	ug/l	100

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

Data File : VW003254.D

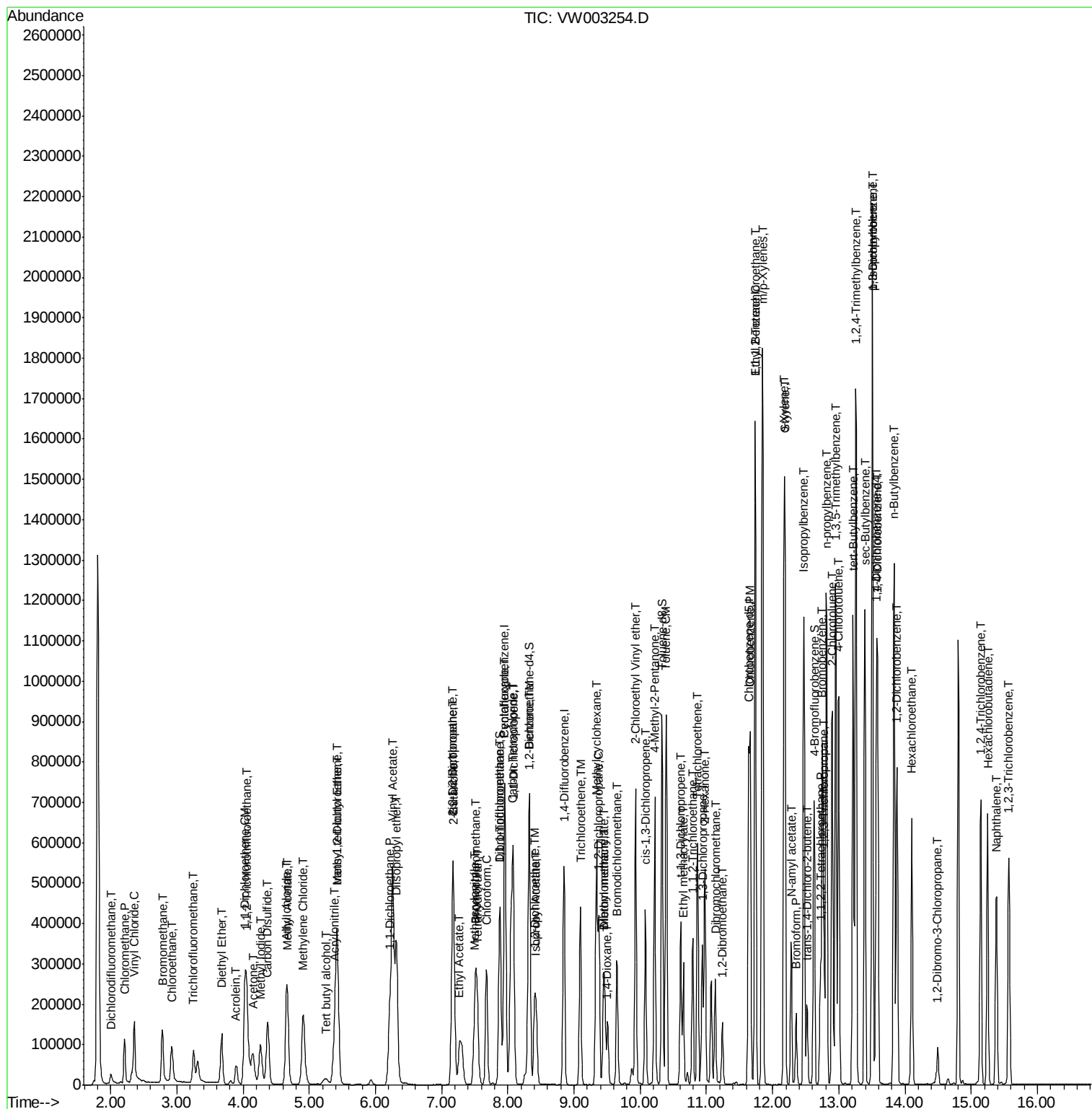
```
Acq On       : 13 Jun 2018   19:33
Operator    : VA/AP
Sample      : VSTDICV050
Misc       : 5.00G/5ML/MSV0A_W/SOIL
ALS Vial    : 12      Sample Multiplier: 1
```

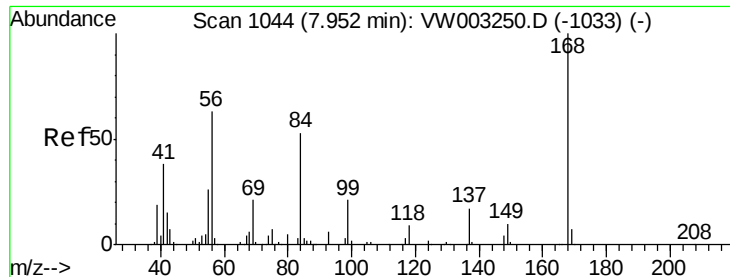
Instrument :
MSVOA_W
ClientSampleId :
ICVVW061318

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM

Quant Time: Jun 14 08:26:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 08:20:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion:168 Resp: 280934

Ion Ratio Lower Upper

168 100

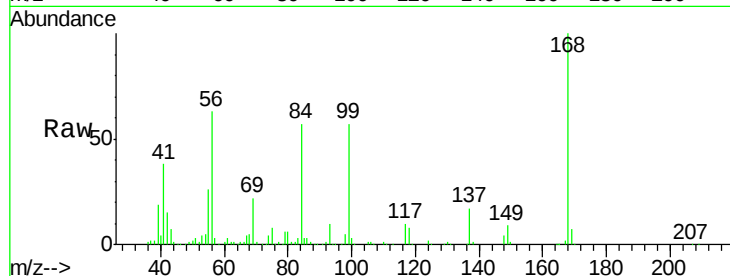
99 56.9 45.5 68.3

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

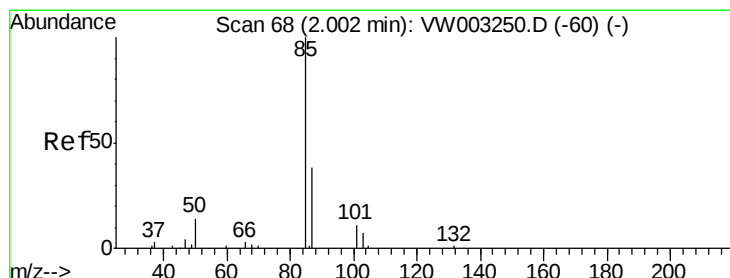
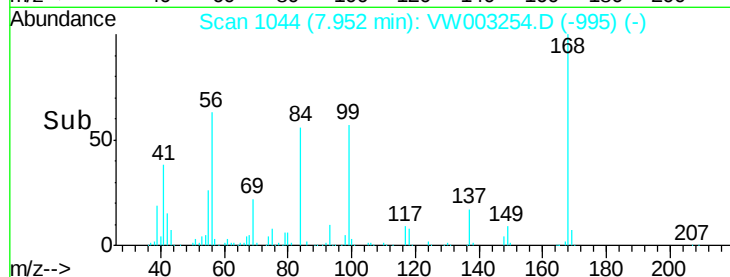
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.013 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003254.D

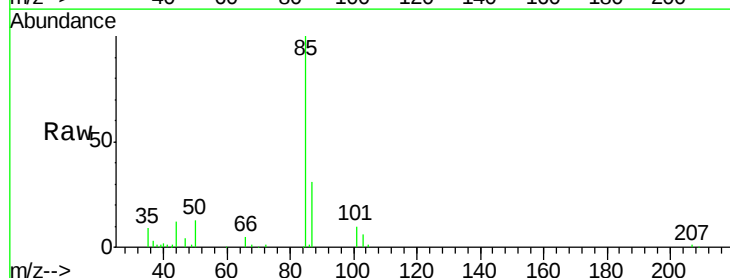
Acq: 13 Jun 2018 19:33

Tgt Ion: 85 Resp: 41628

Ion Ratio Lower Upper

85 100

87 31.2 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

15000

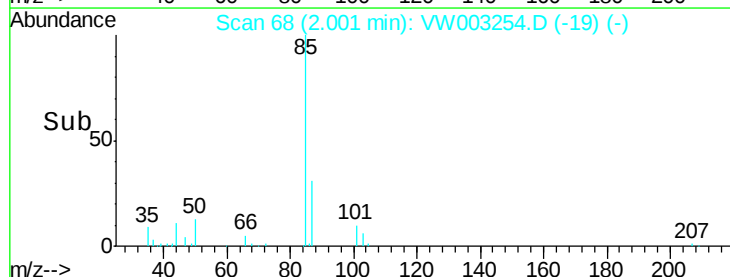
10000

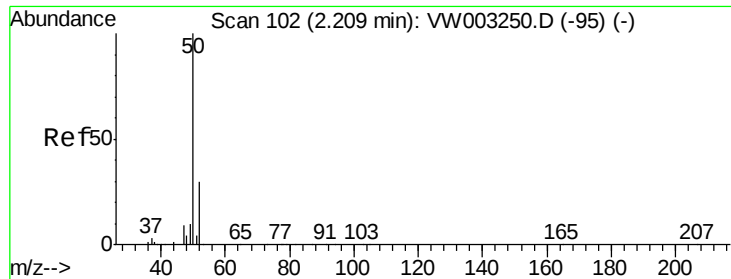
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 51.310 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 50 Resp: 110108

Ion Ratio Lower Upper

50 100

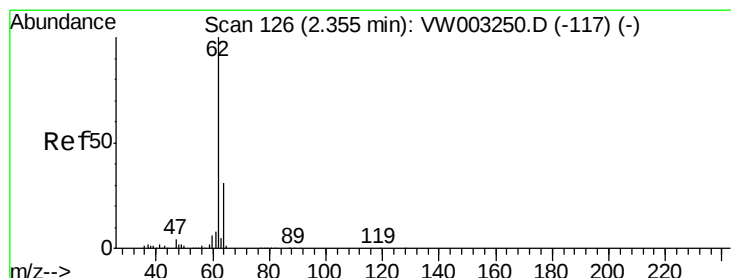
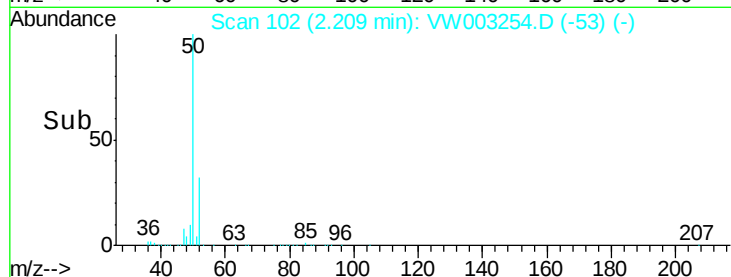
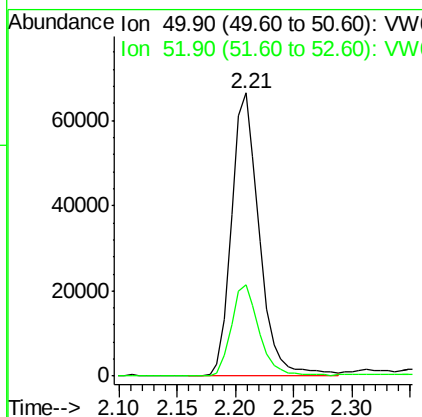
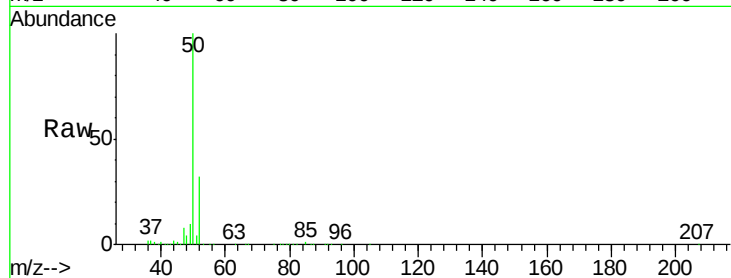
52 32.5 24.2 36.2

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#4

Vinyl Chloride

Concen: 47.465 ug/l

RT: 2.35 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003254.D

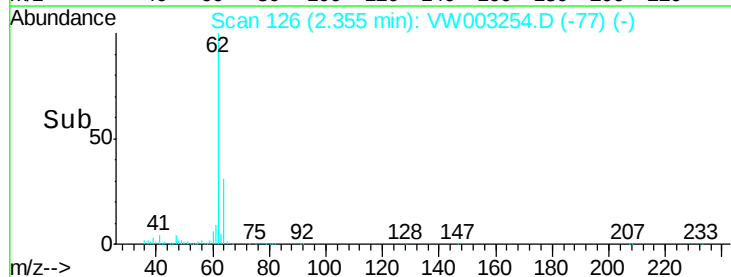
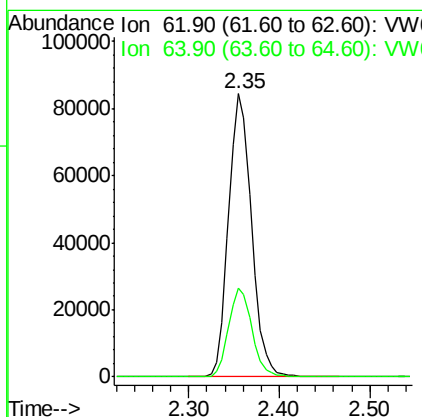
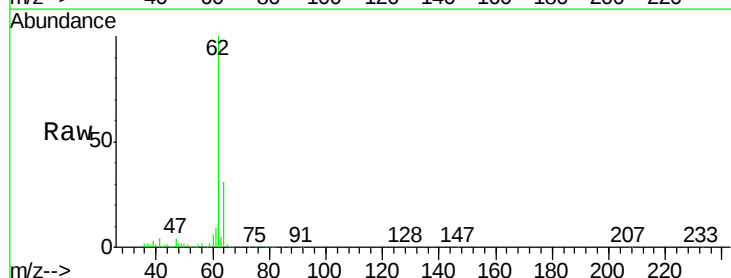
Acq: 13 Jun 2018 19:33

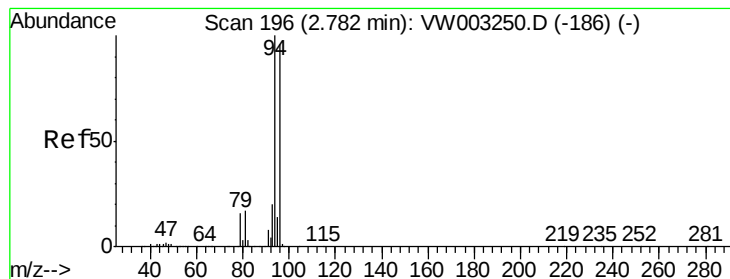
Tgt Ion: 62 Resp: 148484

Ion Ratio Lower Upper

62 100

64 31.2 24.9 37.3





#5

Bromomethane

Concen: 47.451 ug/l

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 94 Resp: 98662

Ion Ratio Lower Upper

94 100

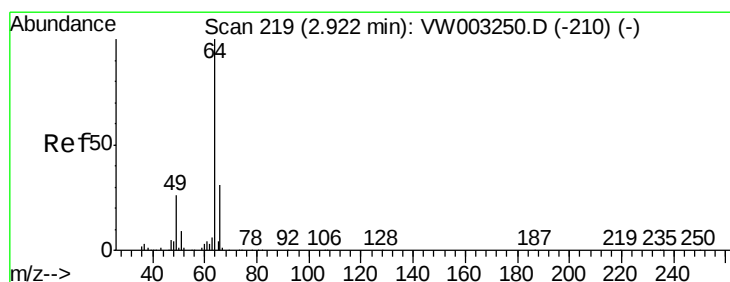
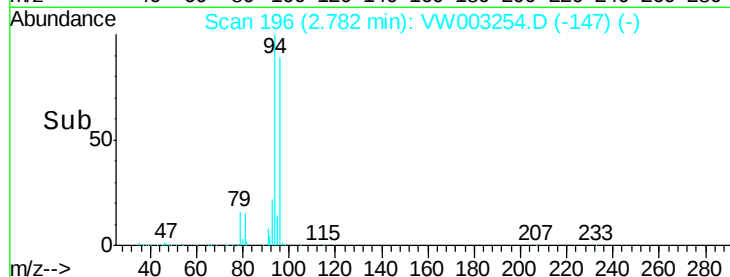
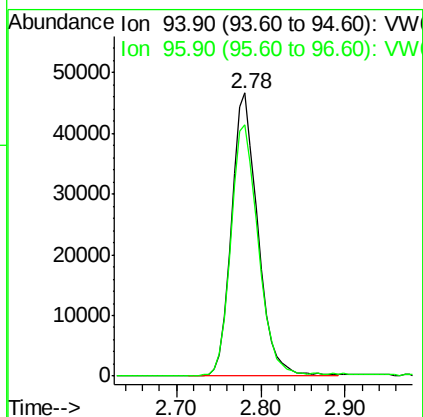
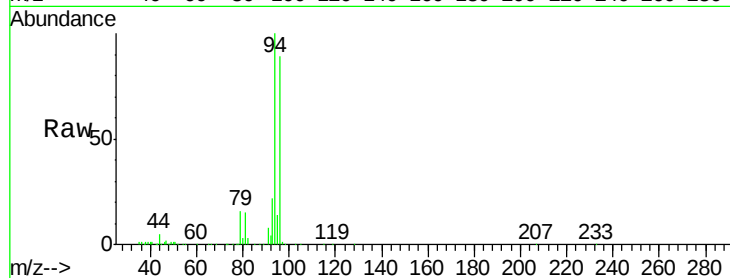
96 89.0 76.5 114.7

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#6

Chloroethane

Concen: 45.634 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.00 min

Lab File: VW003254.D

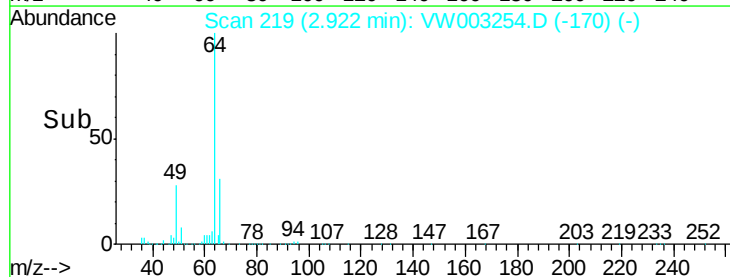
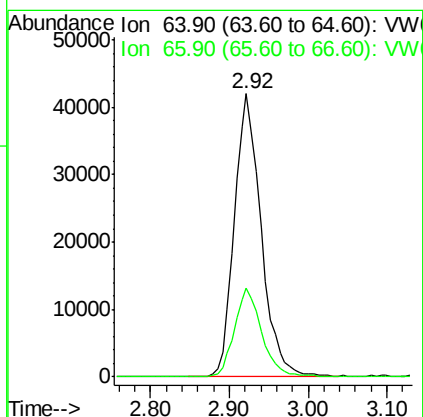
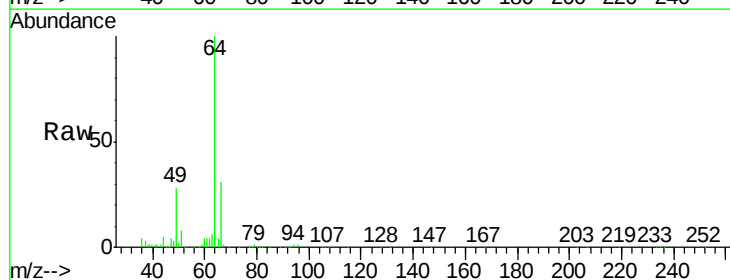
Acq: 13 Jun 2018 19:33

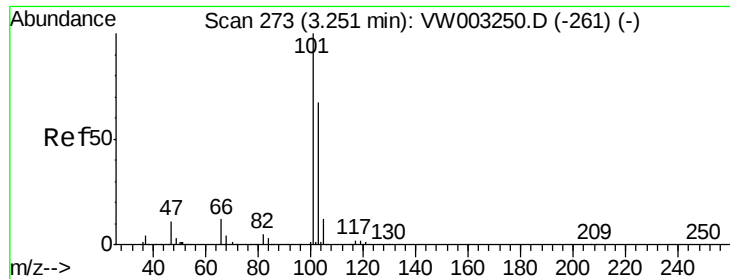
Tgt Ion: 64 Resp: 99370

Ion Ratio Lower Upper

64 100

66 30.9 24.4 36.6





#7

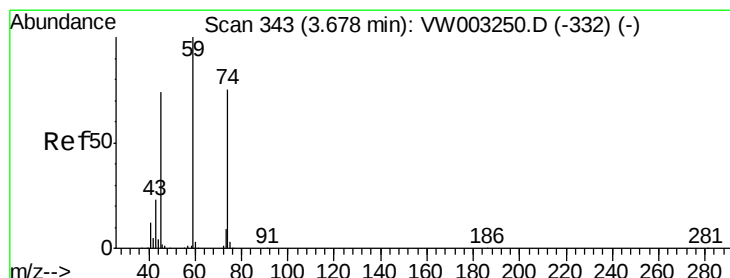
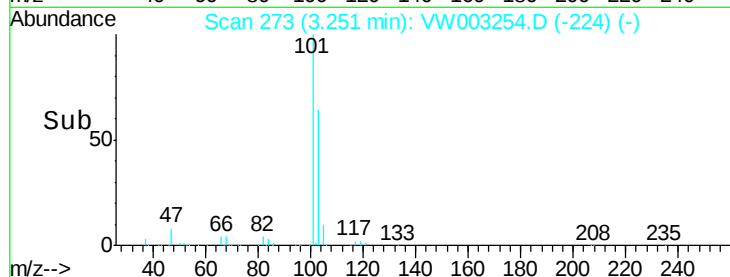
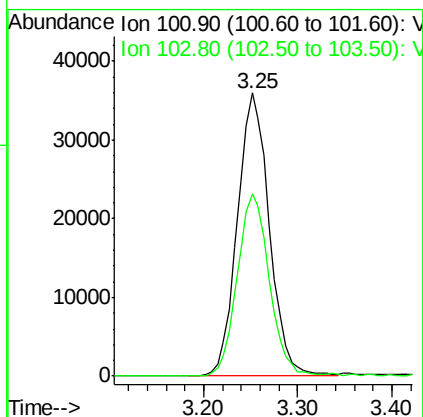
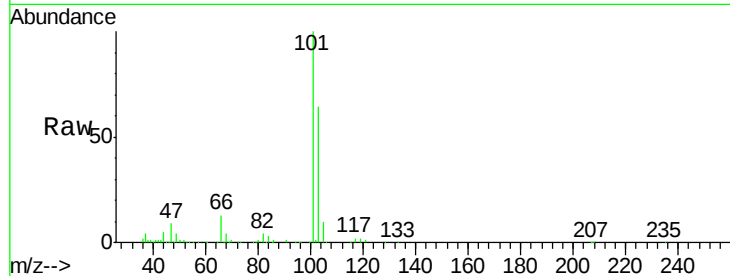
Trichlorofluoromethane
Concen: 45.490 ug/l
RT: 3.25 min Scan# 273
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	85254		
103	64.3	53.4	80.0	

Manual Integrations
APPROVED

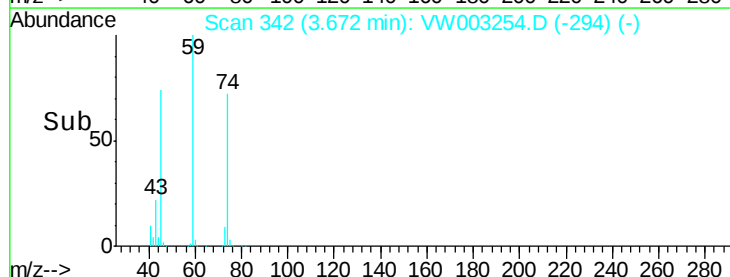
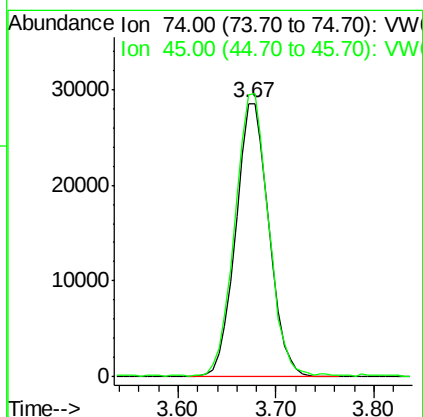
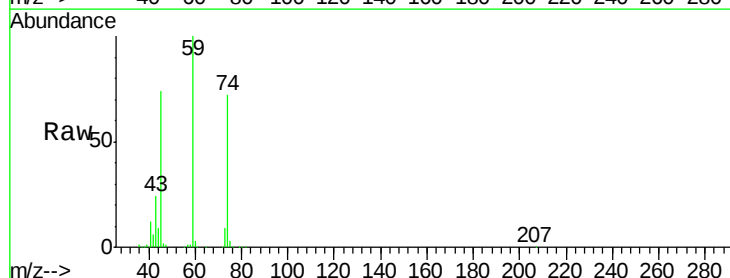
apatel
6/14/2018 10:03:40 AM

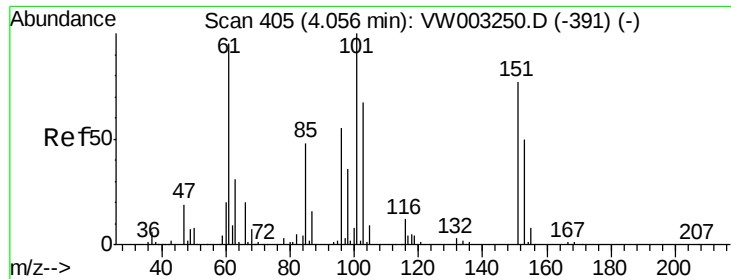


#8

Diethyl Ether
Concen: 48.891 ug/l
RT: 3.67 min Scan# 342
Delta R.T. -0.01 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	67310		
45	104.9	51.4	154.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.571 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

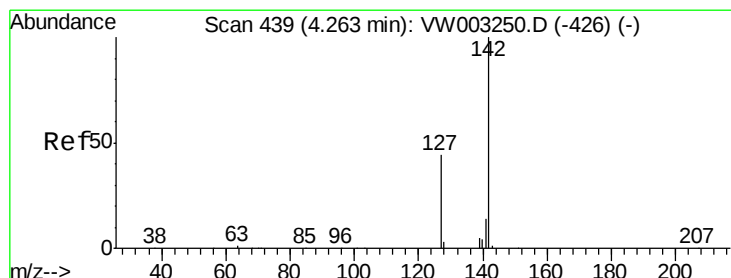
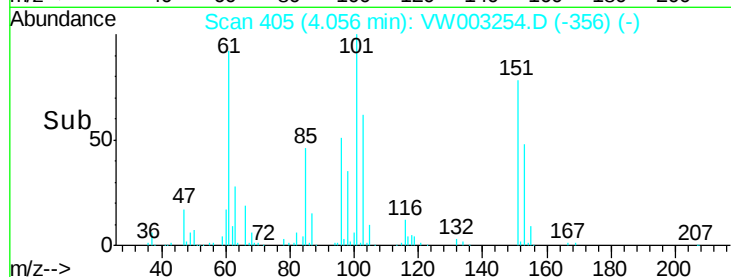
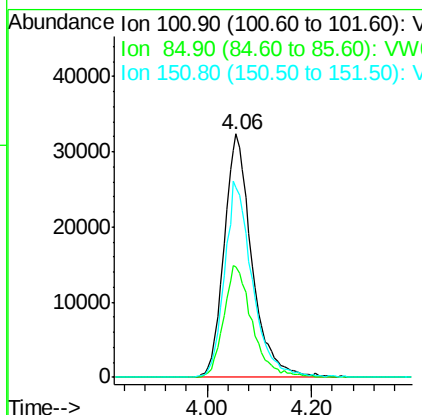
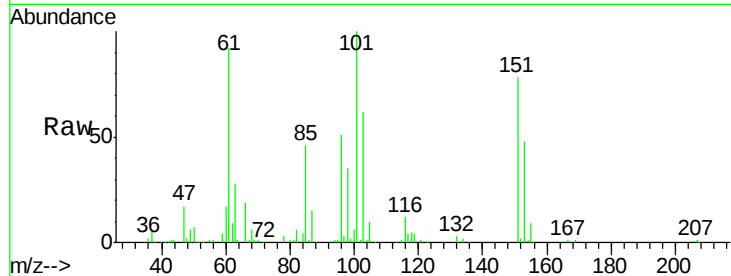
ClientSampleId :

ICVW061318

Tgt Ion:	101	Resp:	121196
Ion Ratio	Lower	Upper	
101	100		
85	46.9	37.0	55.6
151	80.5	63.3	94.9

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#10

Methyl Iodide

Concen: 48.449 ug/l

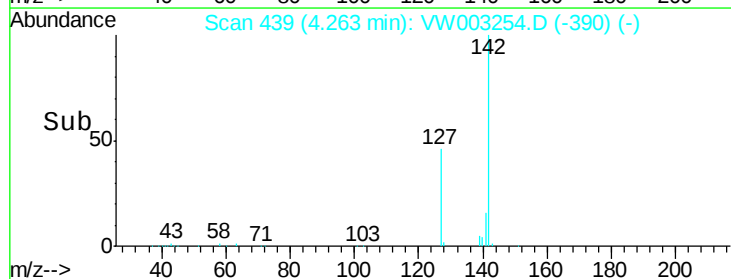
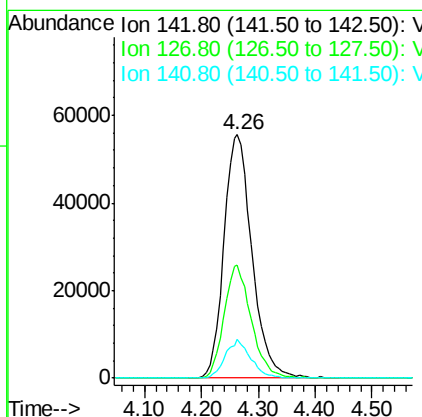
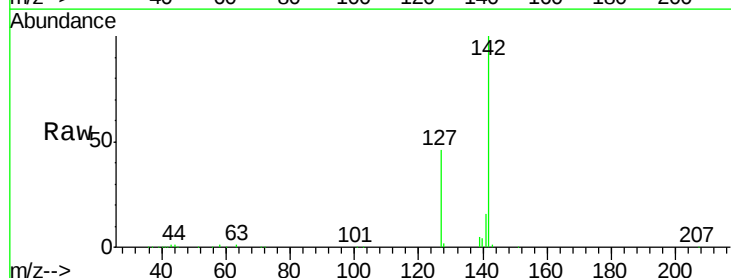
RT: 4.26 min Scan# 439

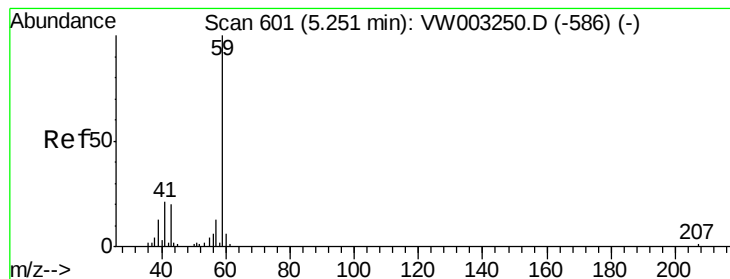
Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion:	142	Resp:	190683
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.5	54.7
141	14.7	12.1	18.1





#11

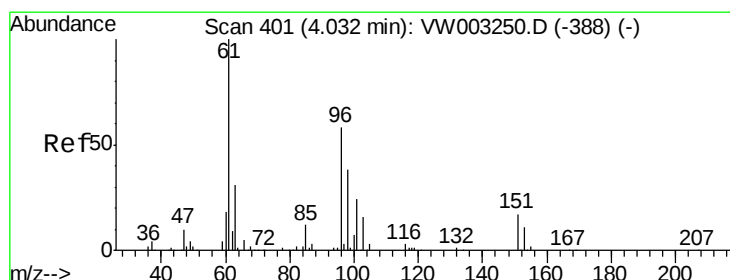
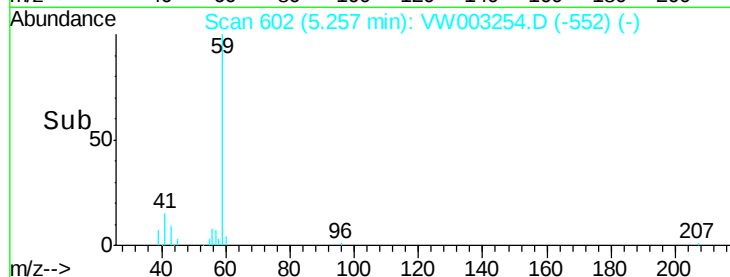
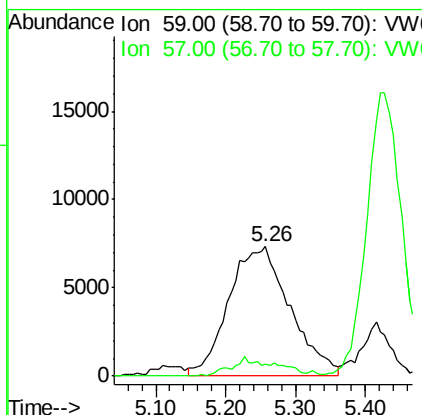
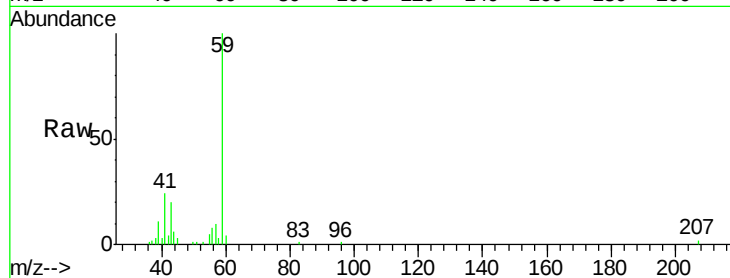
Tert butyl alcohol
Concen: 273.481 ug/l
RT: 5.26 min Scan# 602
Delta R.T. 0.01 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion: 59 Resp: 44631
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

Manual Integrations
APPROVED

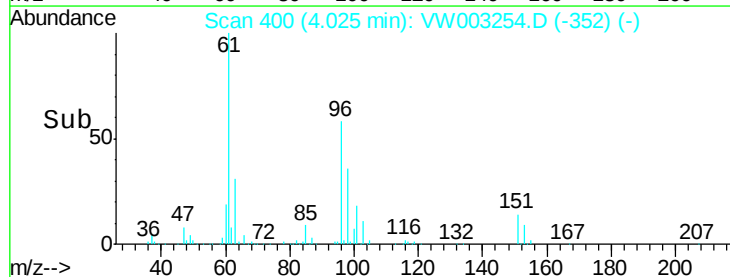
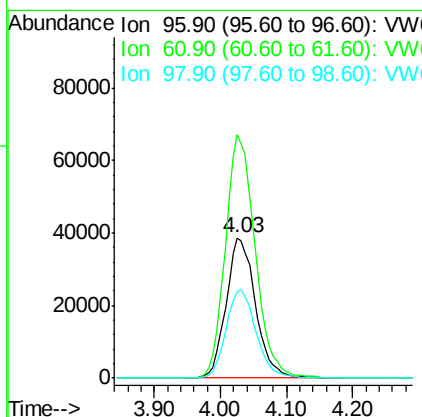
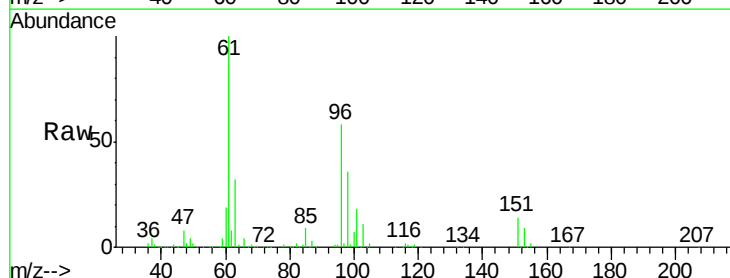
apatel
6/14/2018 10:03:40 AM

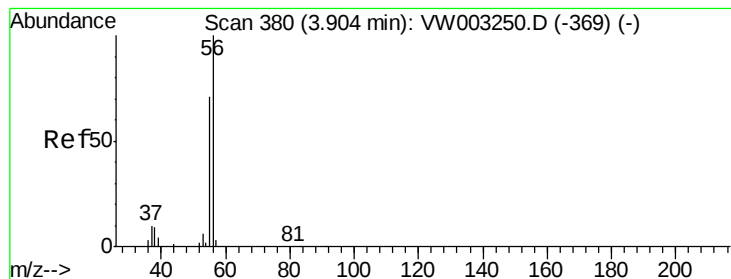


#12

1,1-Dichloroethene
Concen: 46.830 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion: 96 Resp: 119096
Ion Ratio Lower Upper
96 100
61 173.4 139.0 208.4
98 61.6 53.3 79.9





#13

Acrolein

Concen: 251.004 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 56 Resp: 58566

Ion Ratio Lower Upper

56 100

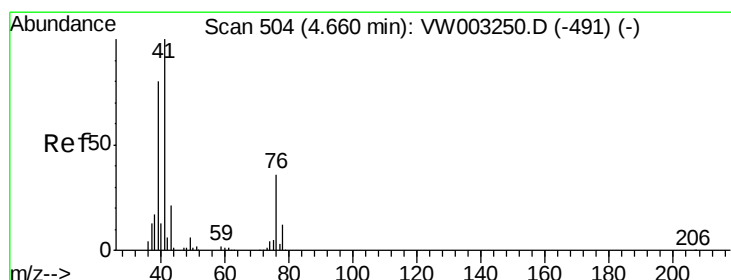
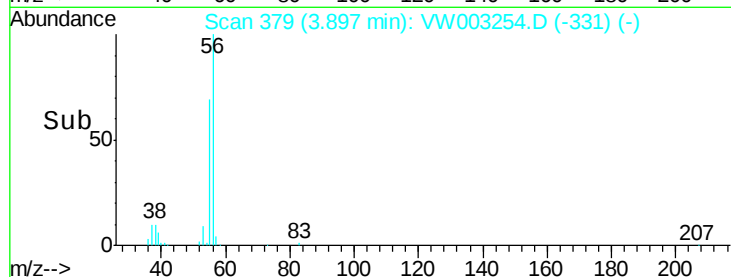
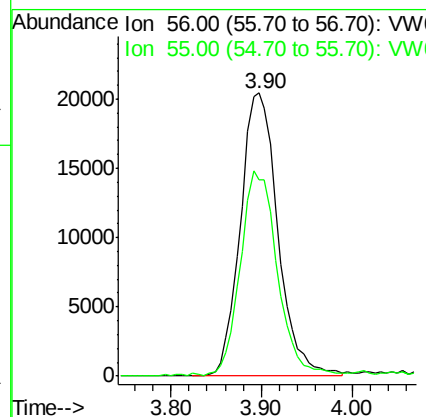
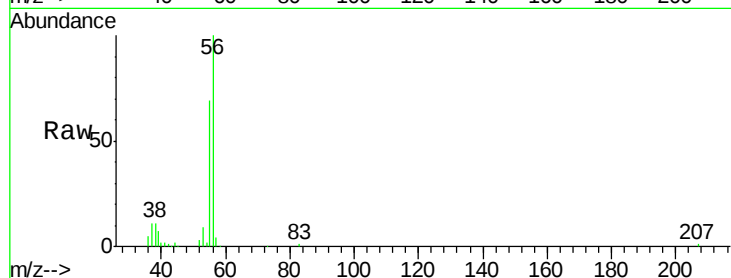
55 70.6 55.4 83.2

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#14

Allyl chloride

Concen: 49.752 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

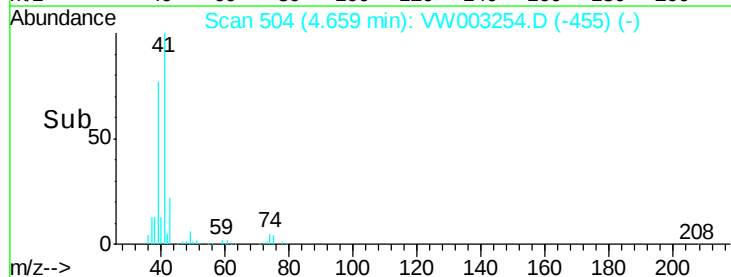
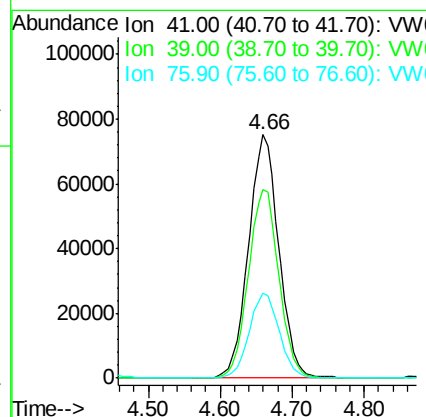
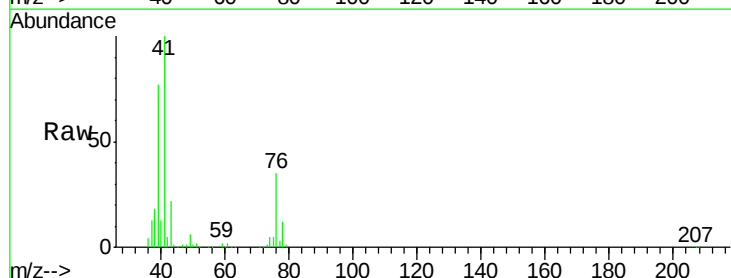
Tgt Ion: 41 Resp: 219165

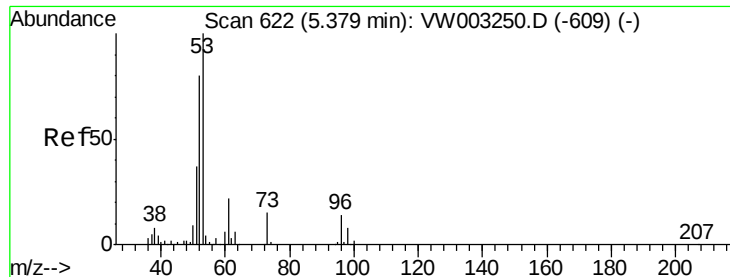
Ion Ratio Lower Upper

41 100

39 77.7 63.2 94.8

76 34.3 28.0 42.0





#15

Acrylonitrile

Concen: 257.637 ug/l

RT: 5.38 min Scan# 622

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

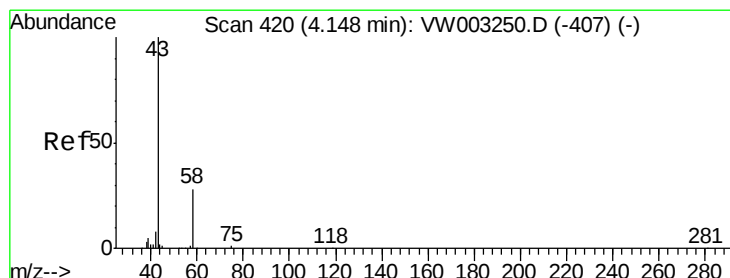
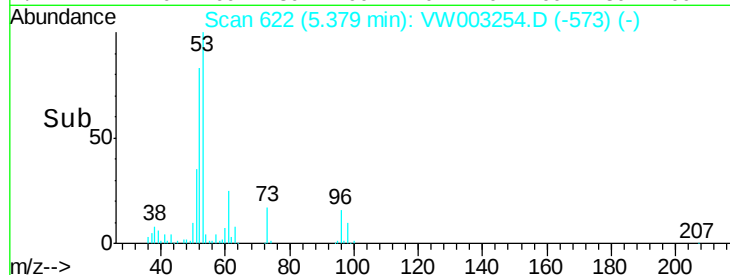
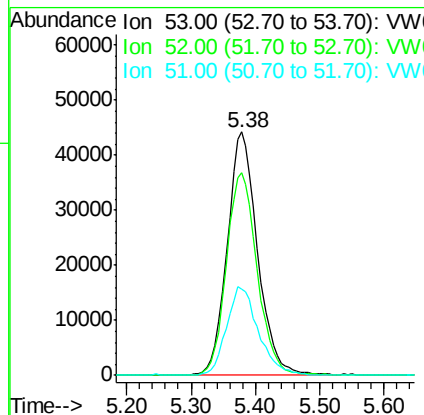
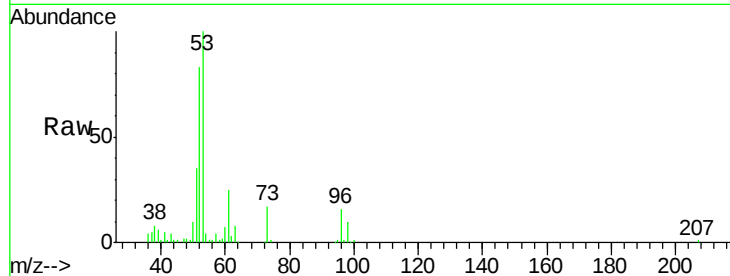
ClientSampleId :

ICVW061318

Tgt Ion:	53	Resp:	145934
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.6	100.0
51	37.7	30.6	46.0

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#16

Acetone

Concen: 244.575 ug/l

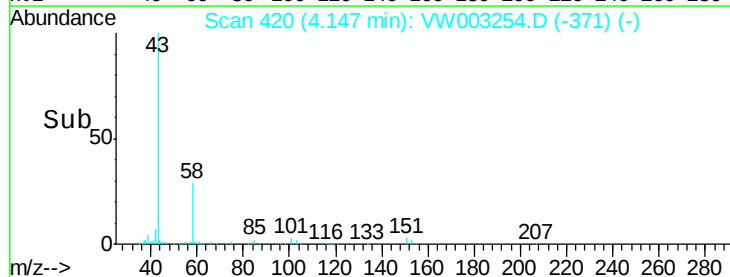
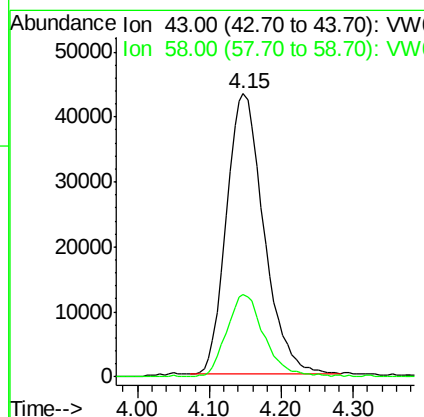
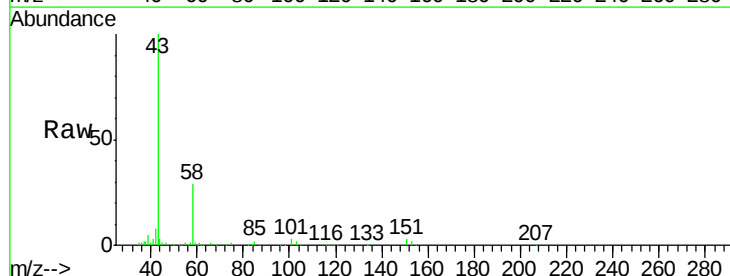
RT: 4.15 min Scan# 420

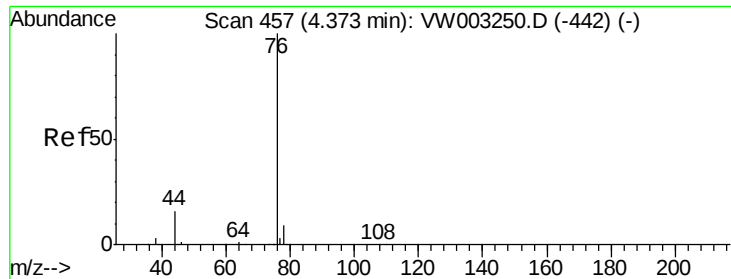
Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion:	43	Resp:	156087
Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.6	34.0





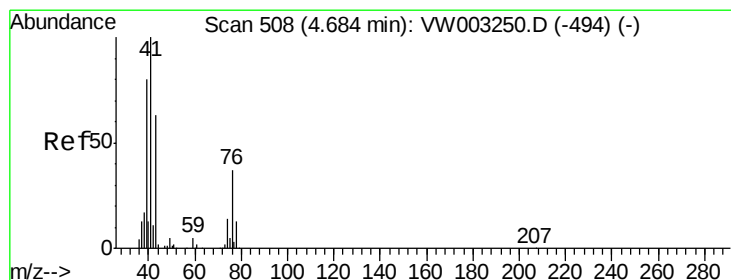
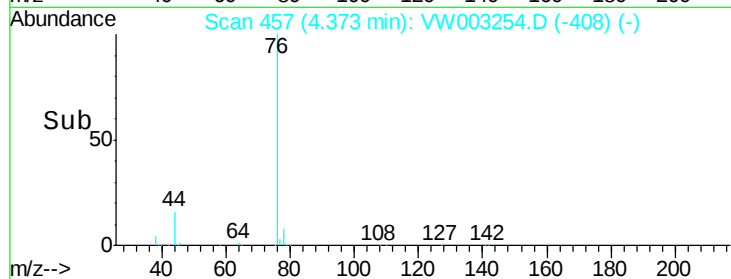
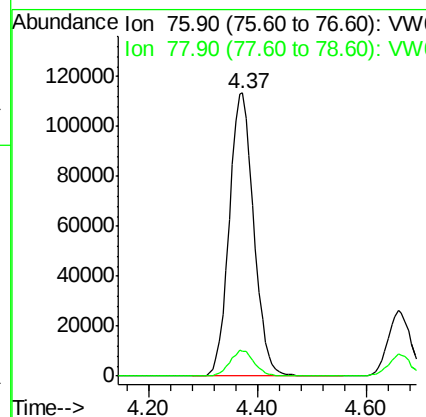
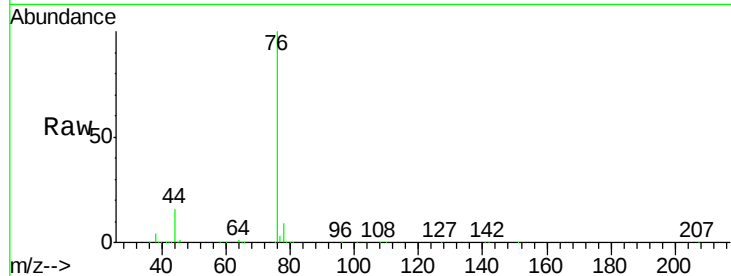
#17
Carbon Disulfide
Concen: 47.369 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

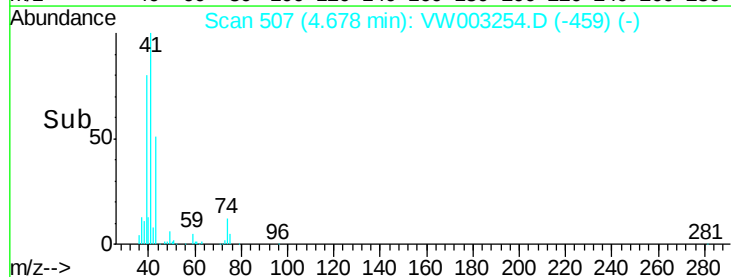
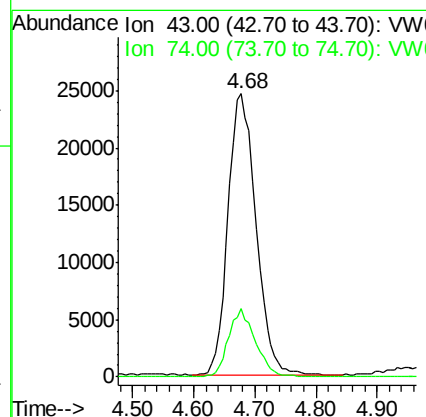
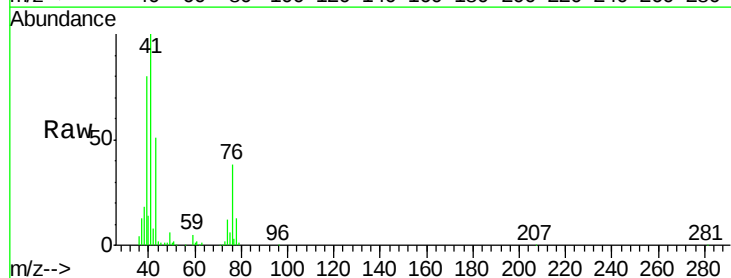
Manual Integrations
APPROVED

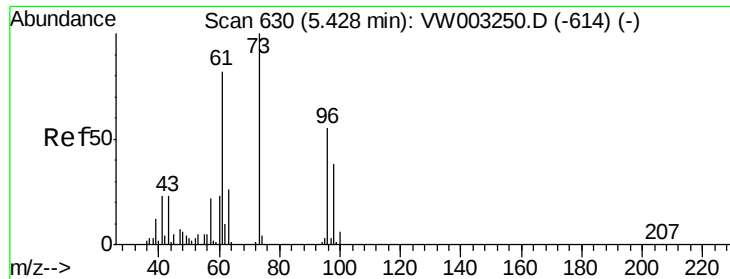
apatel
6/14/2018 10:03:40 AM



#18
Methyl Acetate
Concen: 51.622 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.7	28.1





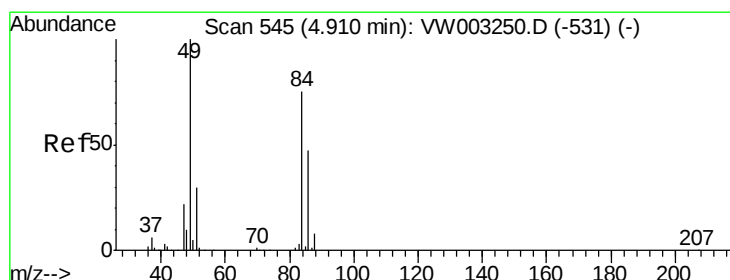
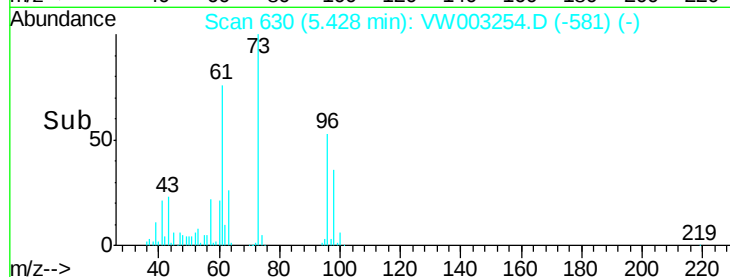
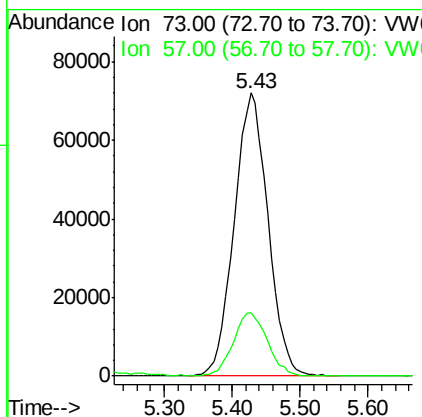
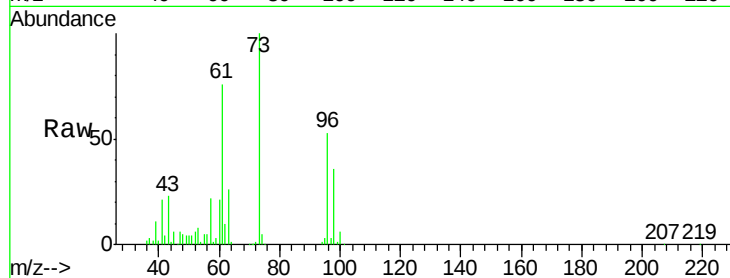
#19
Methyl tert-butyl Ether
Concen: 52.218 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion: 73 Resp: 248726
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0

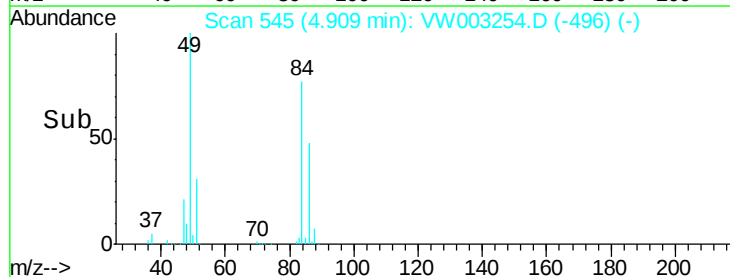
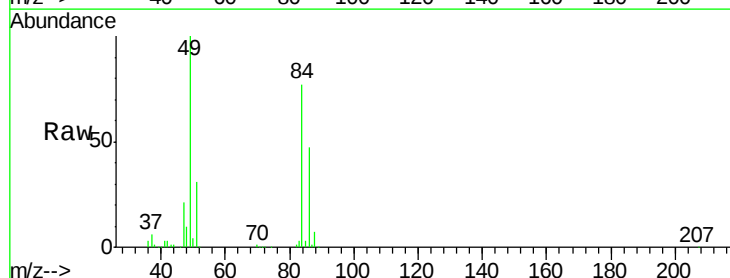
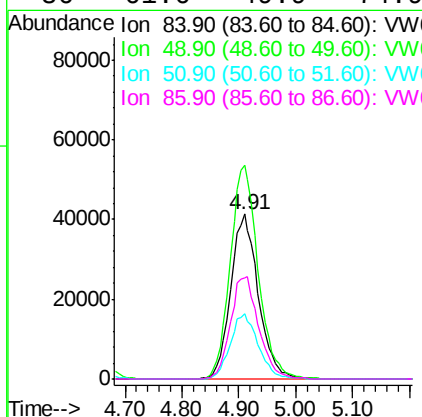
Manual Integrations
APPROVED

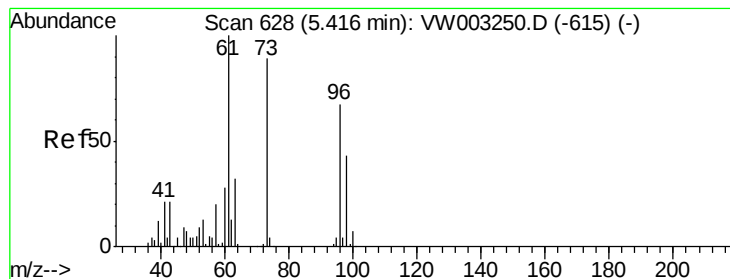
apatel
6/14/2018 10:03:40 AM



#20
Methylene Chloride
Concen: 51.823 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion: 84 Resp: 140130
Ion Ratio Lower Upper
84 100
49 129.6 106.3 159.5
51 39.9 32.0 48.0
86 61.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 48.521 ug/l

RT: 5.42 min Scan# 628

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 96 Resp: 134293

Ion Ratio Lower Upper

96 100

61 150.5 118.7 178.1

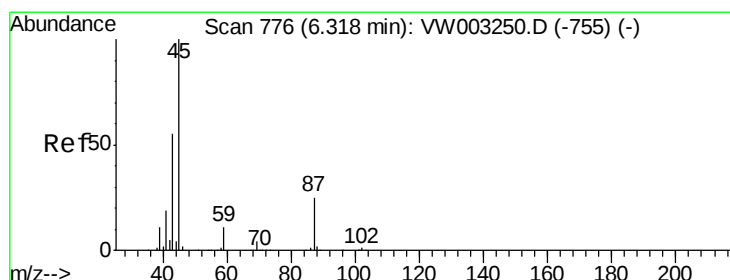
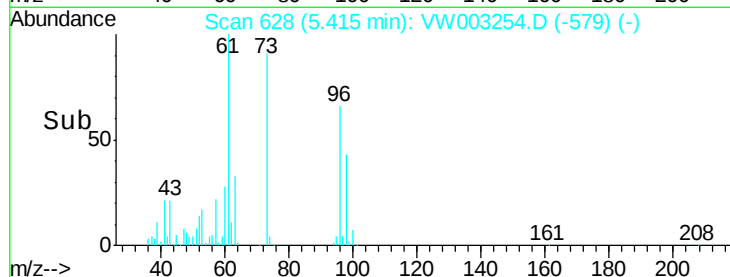
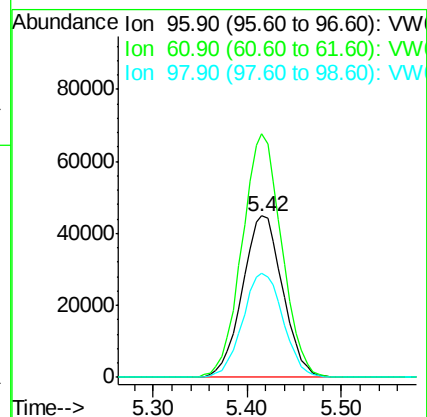
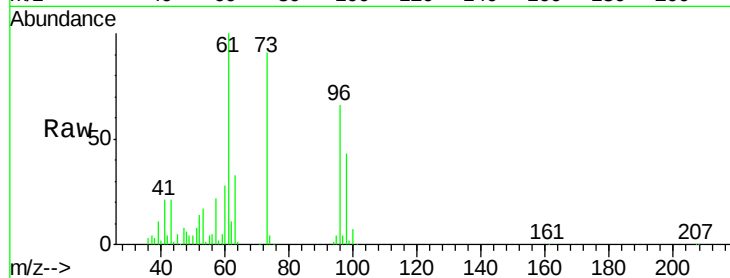
98 64.2 51.0 76.6

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#22

Diisopropyl ether

Concen: 51.746 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion: 45 Resp: 458768

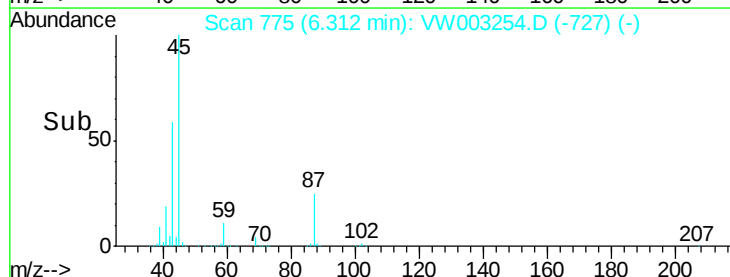
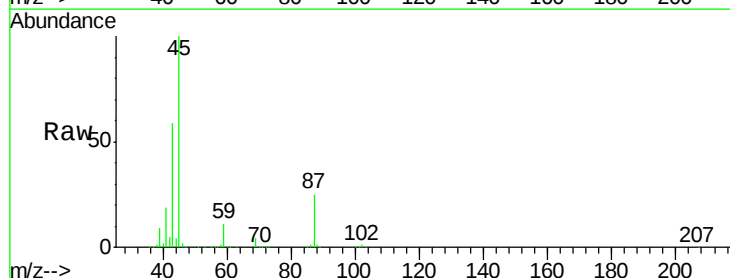
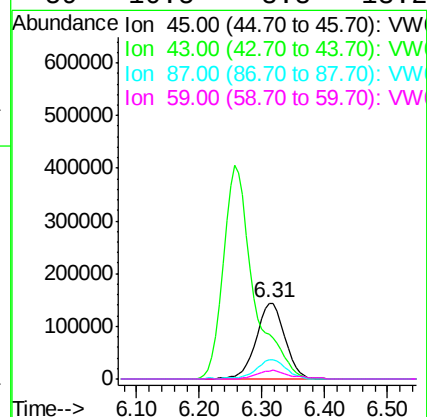
Ion Ratio Lower Upper

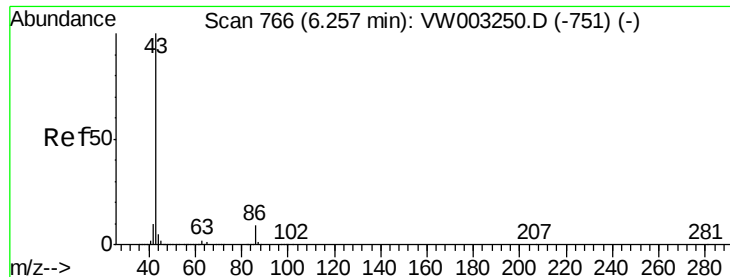
45 100

43 58.3 44.0 66.0

87 24.8 20.6 31.0

59 10.5 8.8 13.2





#23

Vinyl Acetate

Concen: 263.800 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 43 Resp: 1347766

Ion Ratio Lower Upper

43 100

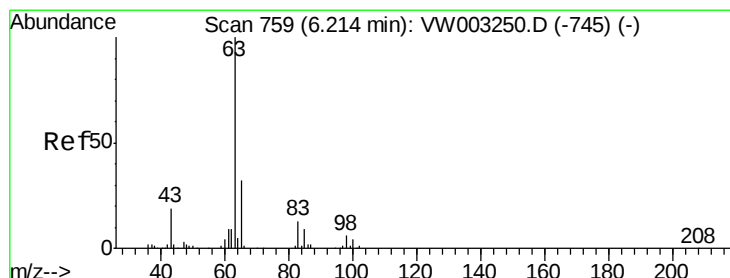
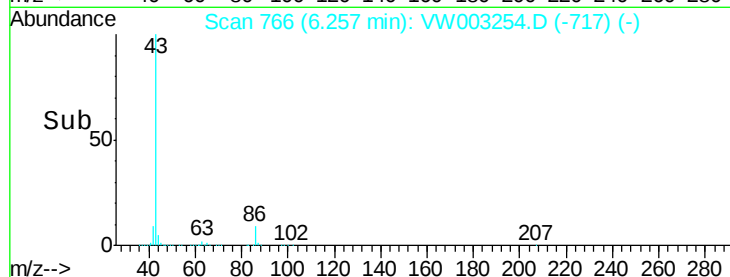
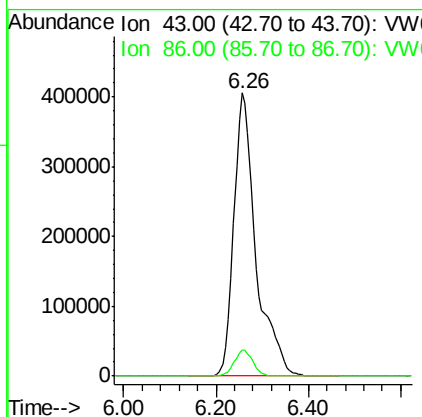
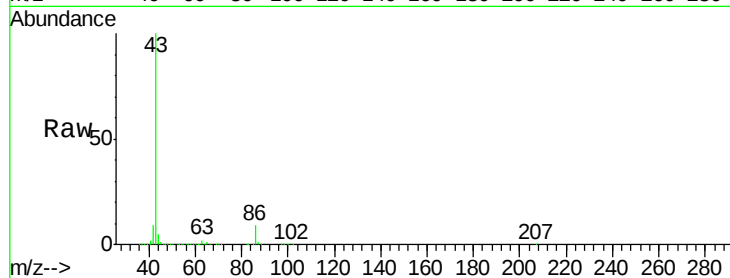
86 9.1 7.5 11.3

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#24

1,1-Dichloroethane

Concen: 49.783 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

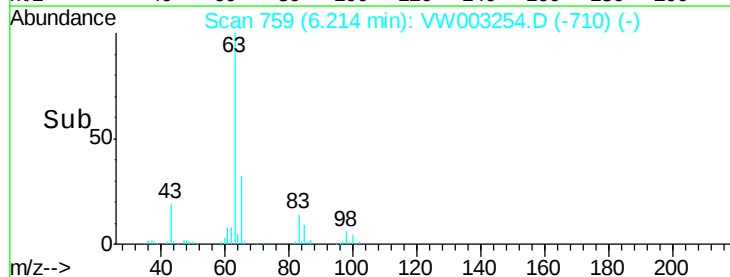
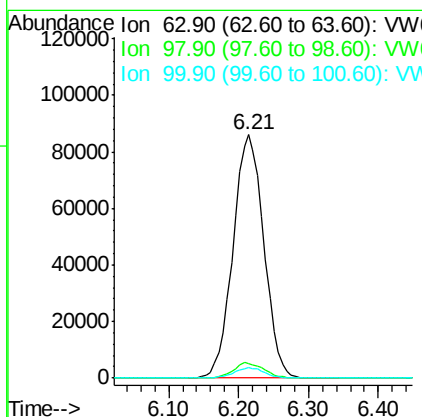
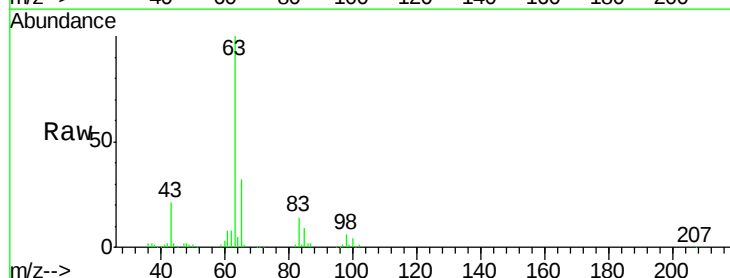
Tgt Ion: 63 Resp: 262020

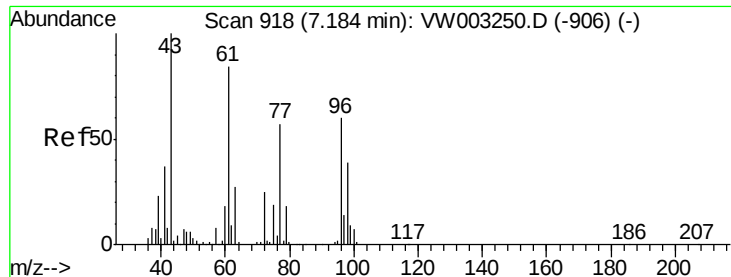
Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.3

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 255.202 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 43 Resp: 202524

Ion Ratio Lower Upper

43 100

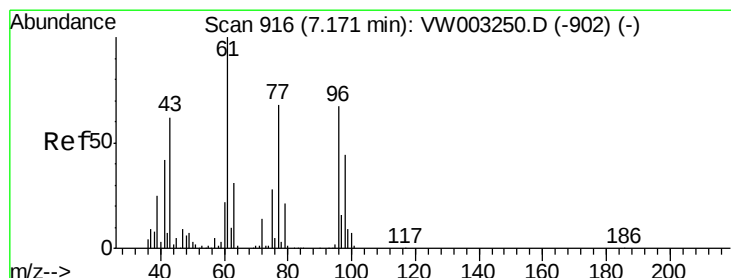
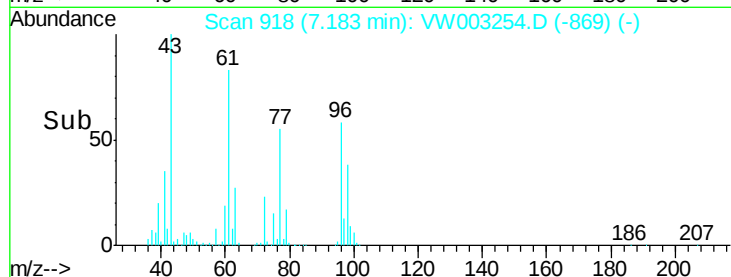
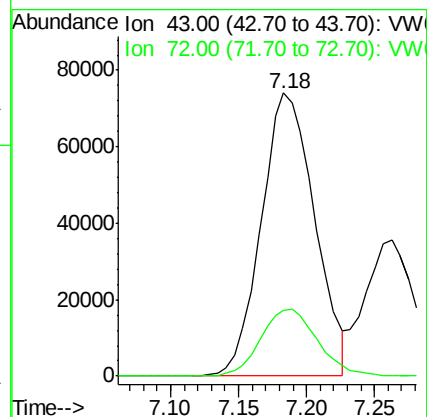
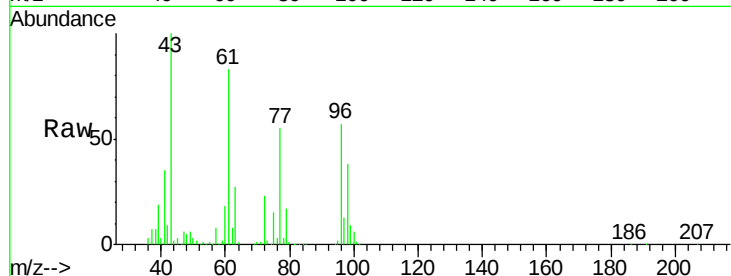
72 23.2 20.3 30.5

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#26

2,2-Dichloropropane

Concen: 46.973 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW003254.D

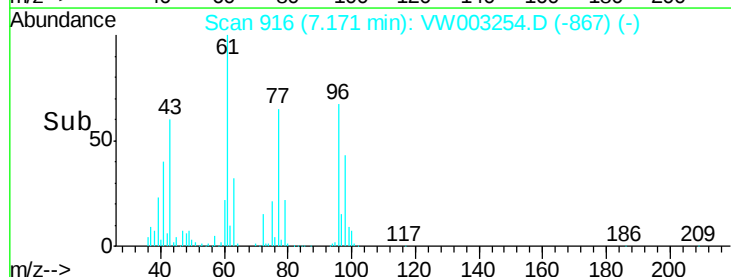
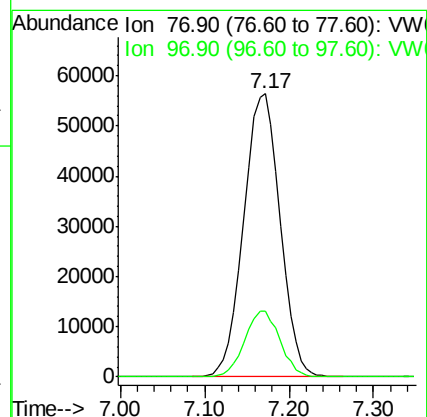
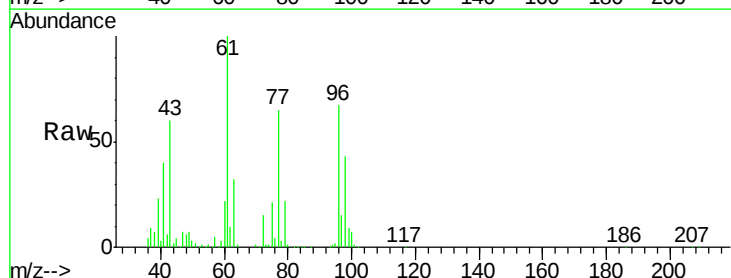
Acq: 13 Jun 2018 19:33

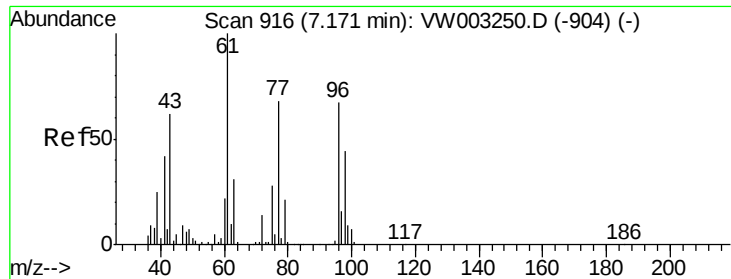
Tgt Ion: 77 Resp: 164999

Ion Ratio Lower Upper

77 100

97 22.5 11.3 33.9





#27

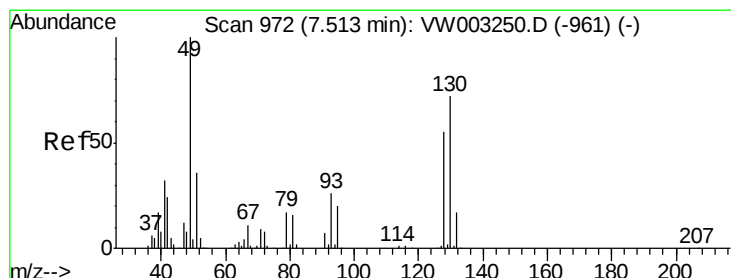
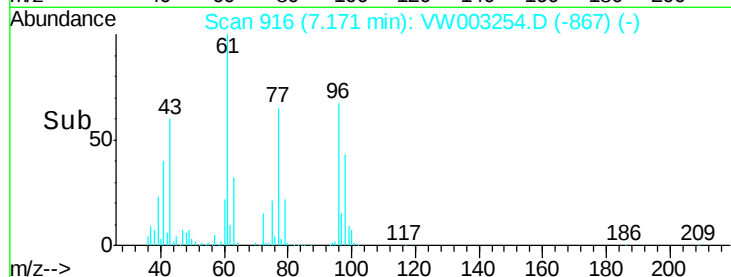
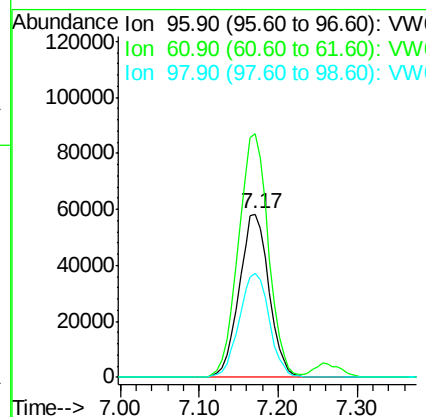
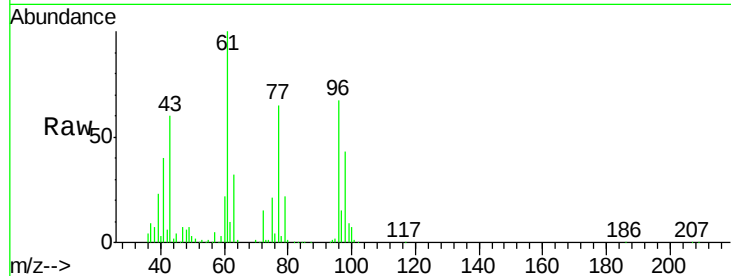
cis-1,2-Dichloroethene
Concen: 50.243 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	152763		
61	150.4	0.0	298.8	
98	64.8	0.0	130.4	

Manual Integrations
APPROVED

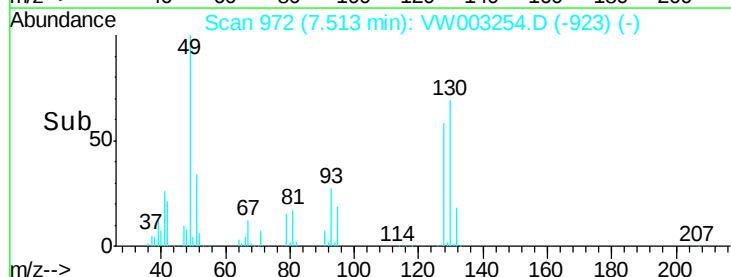
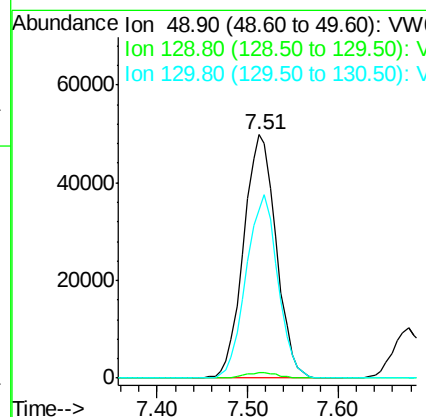
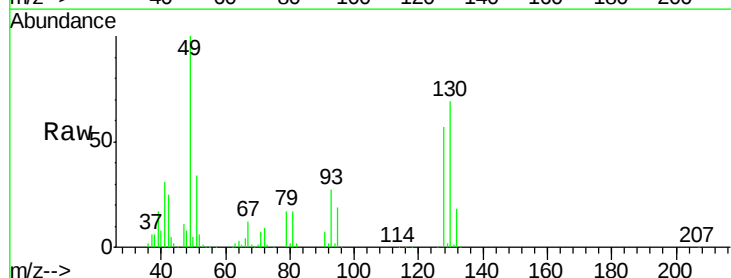
apatel
6/14/2018 10:03:40 AM

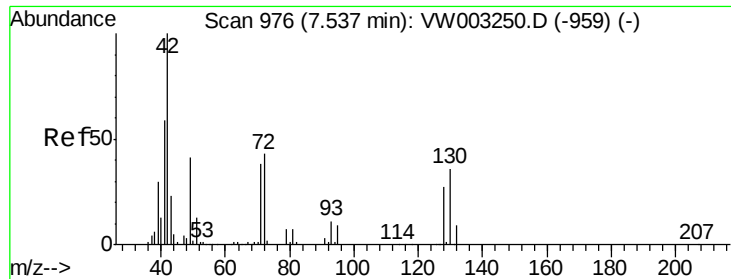


#28

Bromochloromethane
Concen: 56.501 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	123749		
129	2.3	0.0	4.6	
130	73.5	59.4	89.2	





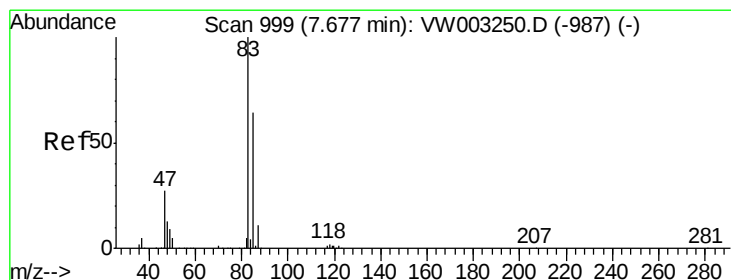
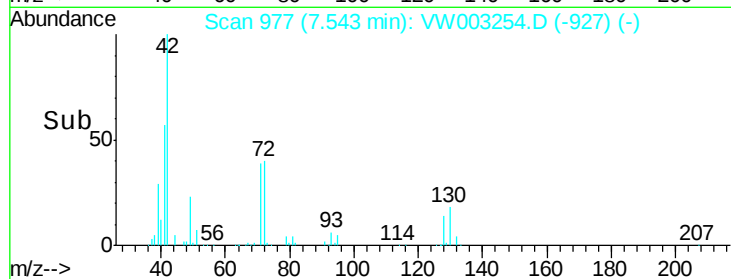
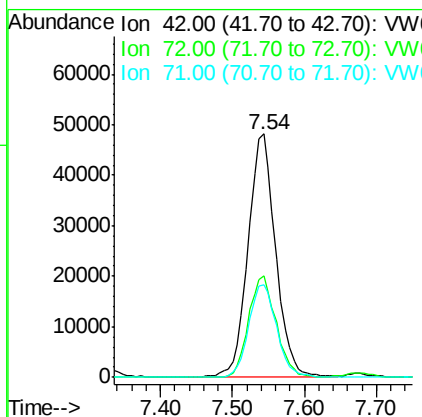
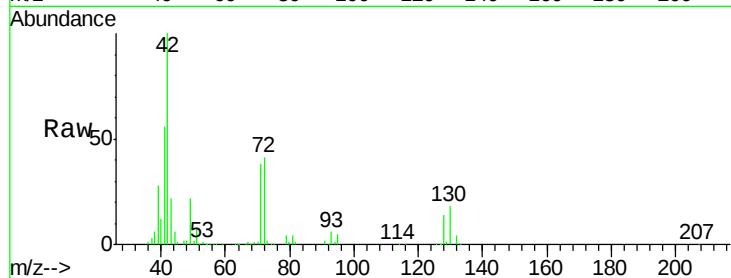
#29
Tetrahydrofuran
Concen: 264.147 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion:	42	Resp:	128114
Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.4	48.6
71	38.6	31.2	46.8

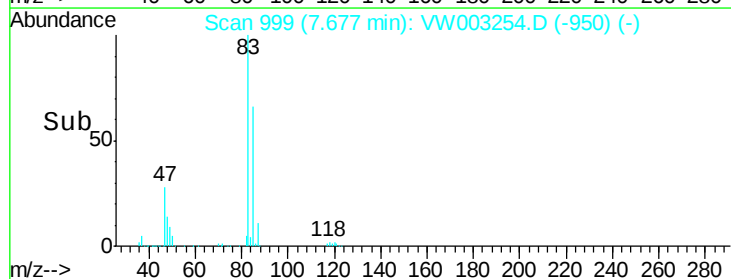
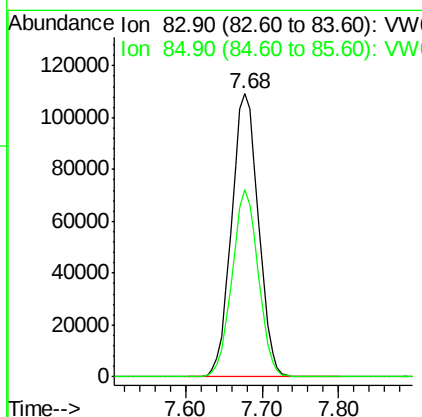
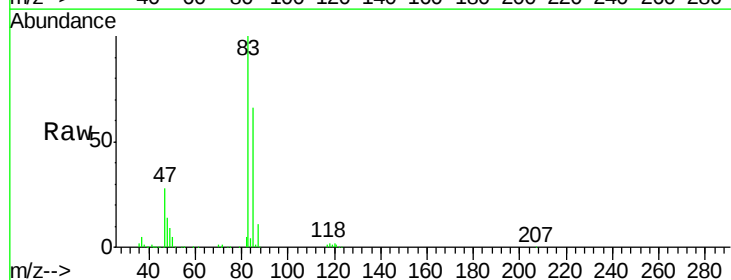
Manual Integrations
APPROVED

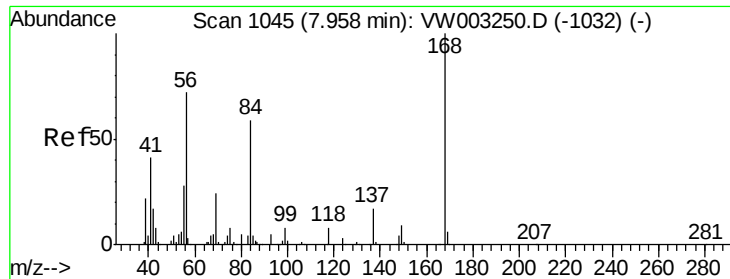
apatel
6/14/2018 10:03:40 AM



#30
Chloroform
Concen: 49.527 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion:	83	Resp:	265566
Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.3	76.9





#31

Cyclohexane

Concen: 45.476 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

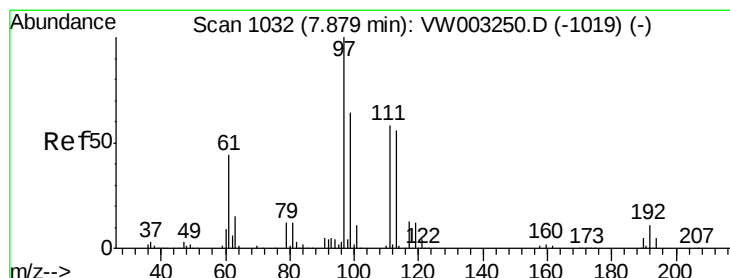
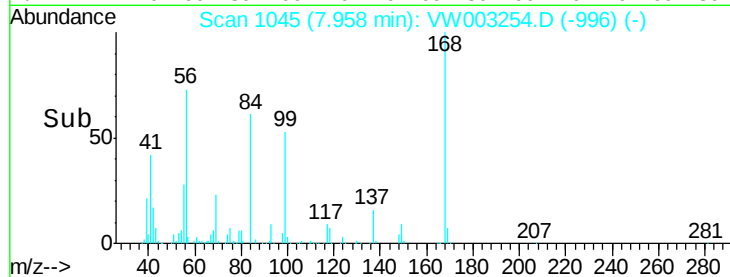
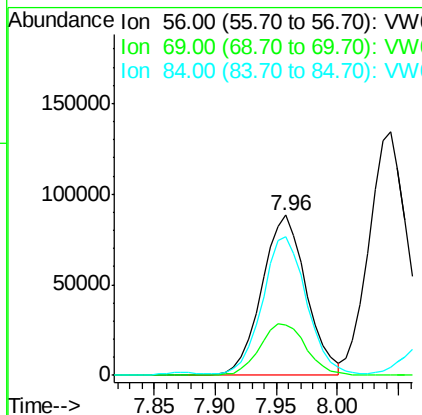
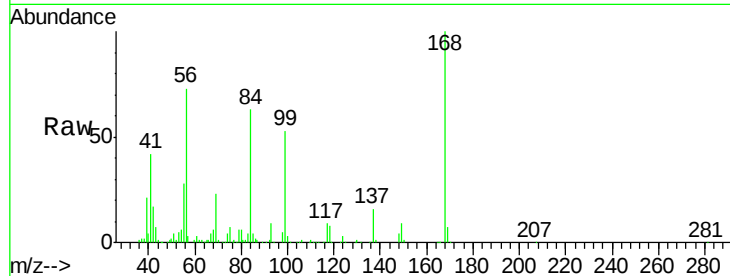
ClientSampleId :

ICVW061318

Tgt Ion:	56	Resp:	223609
Ion Ratio	Lower	Upper	
56	100		
69	31.8	26.3	39.5
84	84.4	65.7	98.5

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#32

1,1,1-Trichloroethane

Concen: 48.847 ug/l

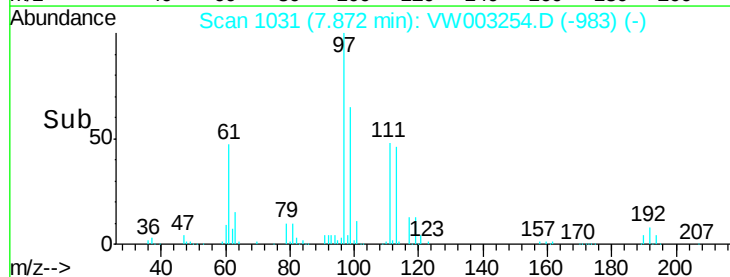
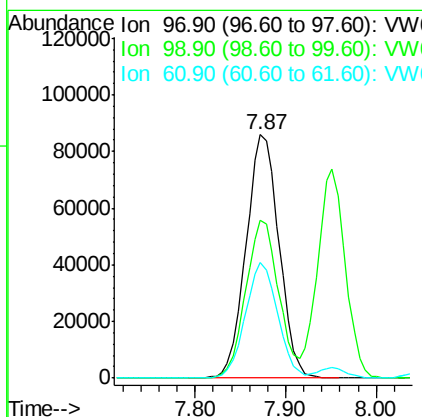
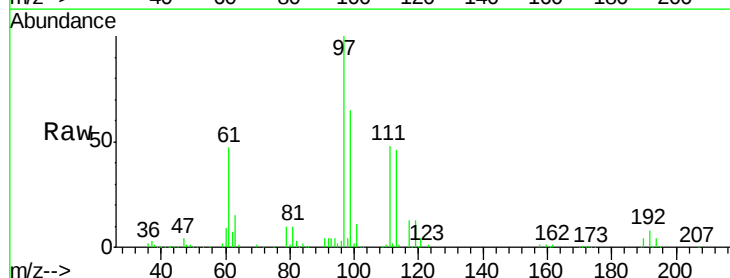
RT: 7.87 min Scan# 1031

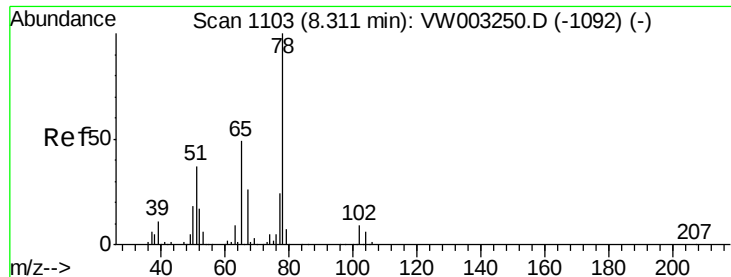
Delta R.T. -0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion:	97	Resp:	216196
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.7	77.5
61	46.4	37.6	56.4





#33

1,2-Dichloroethane-d4

Concen: 54.845 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 65 Resp: 166891

Ion Ratio Lower Upper

65 100

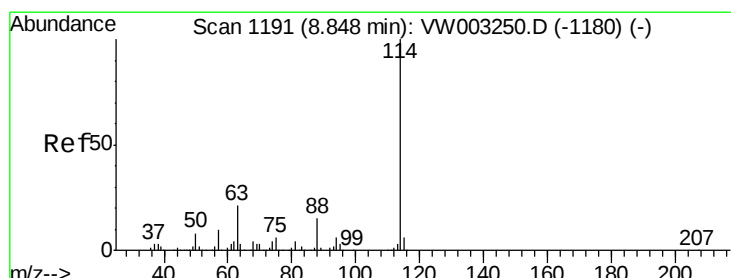
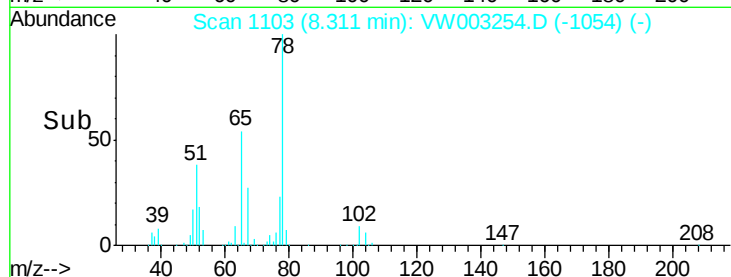
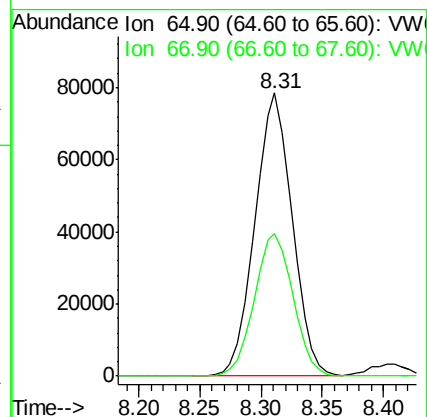
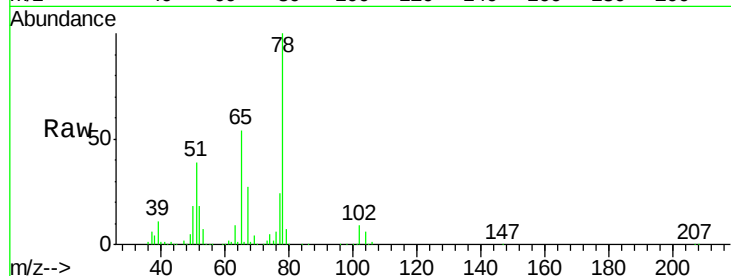
67 52.1 0.0 104.2

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

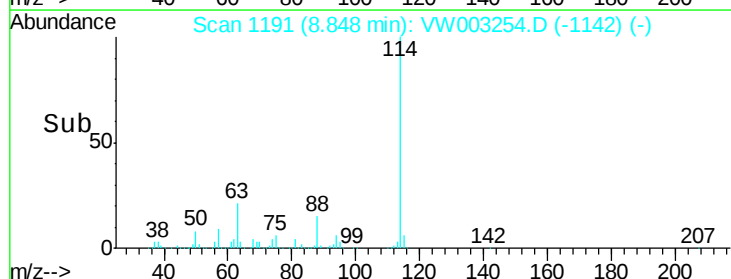
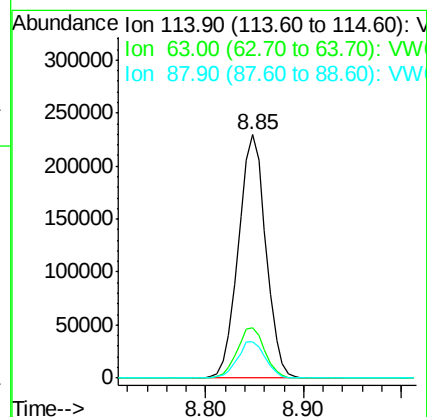
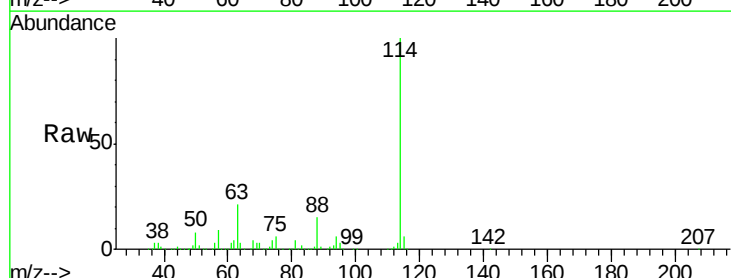
Tgt Ion: 114 Resp: 445573

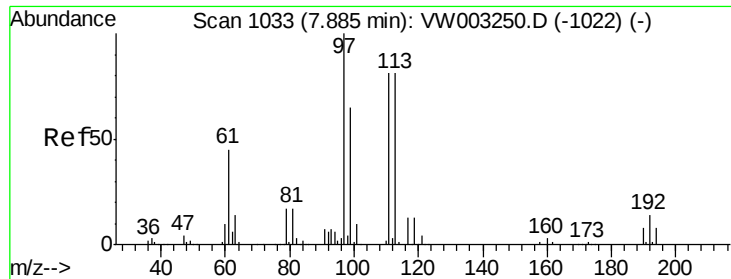
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.0

88 14.8 0.0 29.6





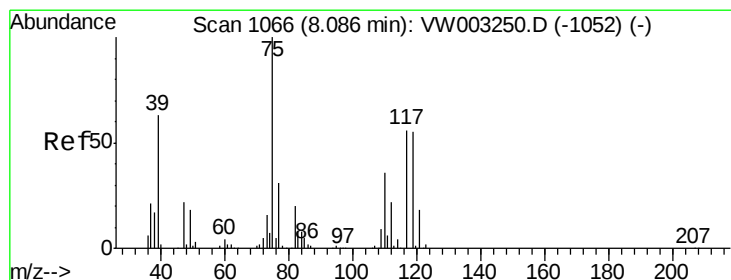
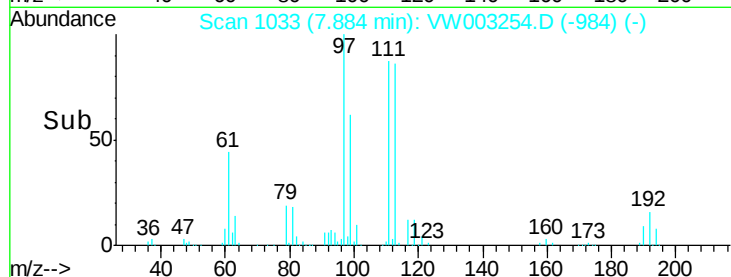
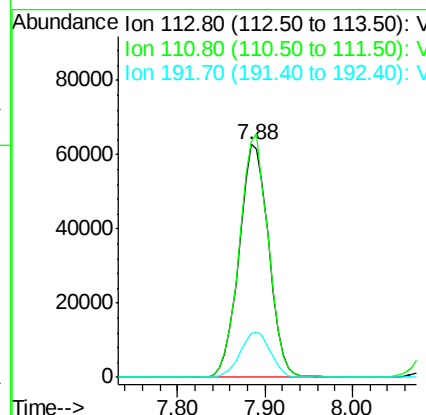
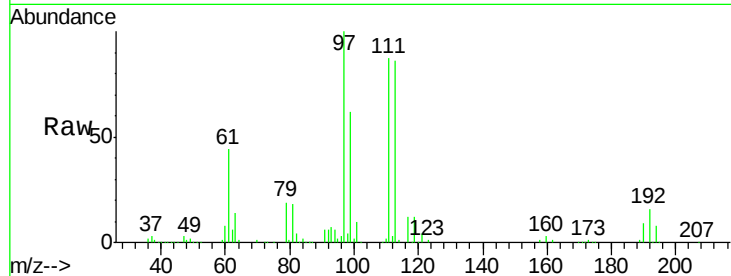
#35
 Dibromofluoromethane
 Concen: 53.326 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	147642		
111	102.2	82.2	123.2	
192	19.8	16.2	24.2	

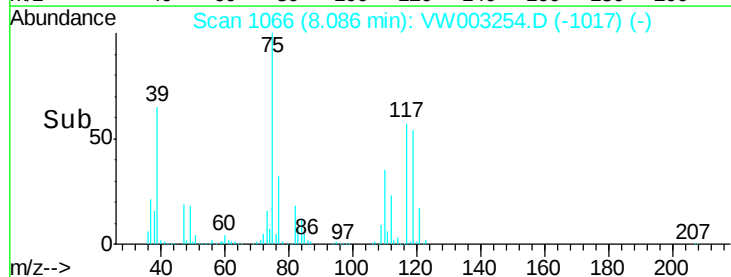
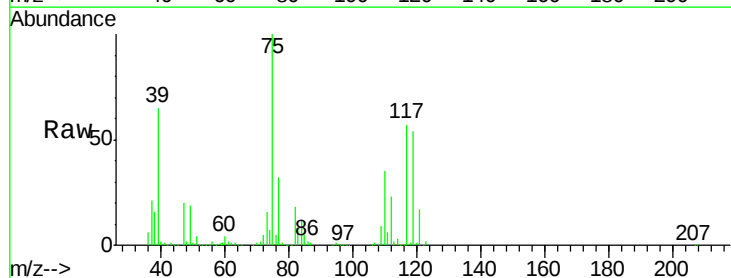
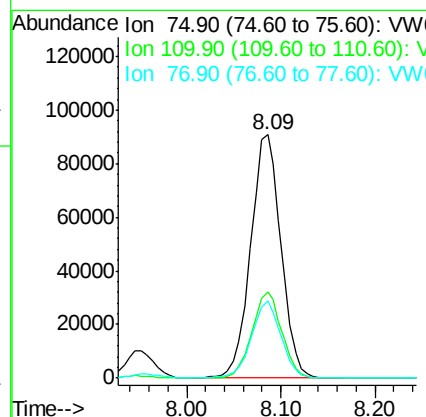
Manual Integrations
 APPROVED

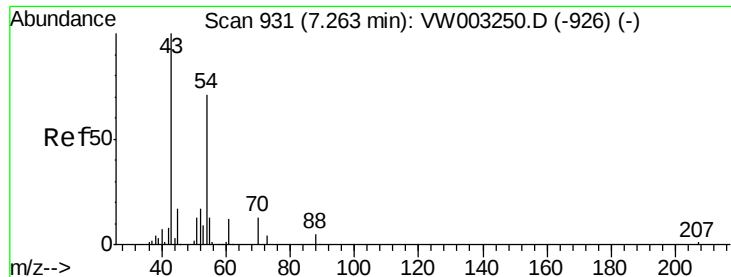
apatel
 6/14/2018 10:03:40 AM



#36
 1,1-Dichloropropene
 Concen: 47.708 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205291		
110	34.6	17.1	51.3	
77	31.0	24.9	37.3	





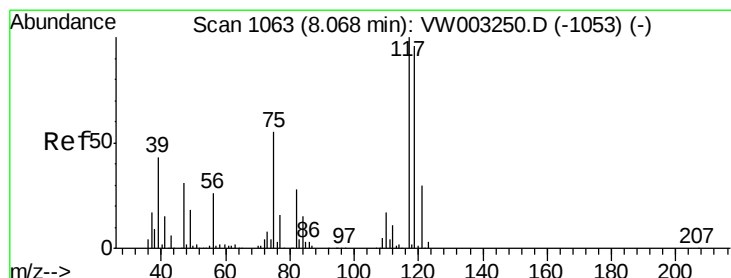
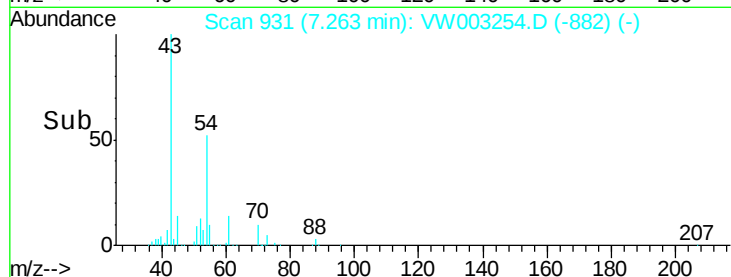
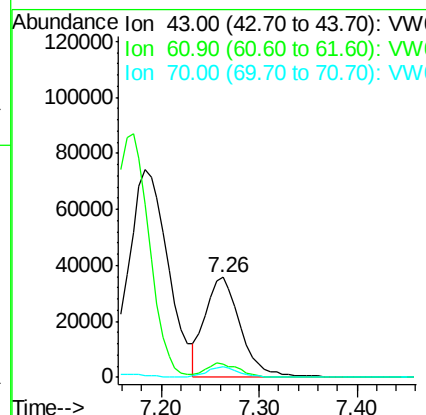
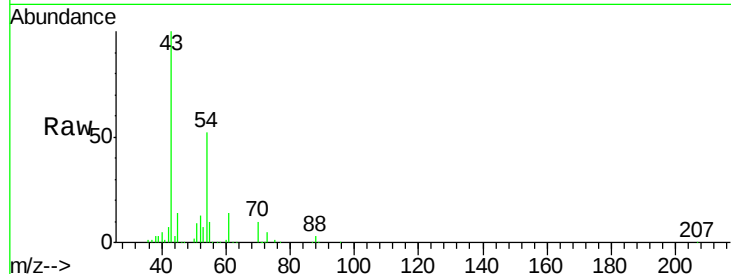
#37
Ethyl Acetate
Concen: 49.756 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.8	16.2
70	9.6	7.8	11.6

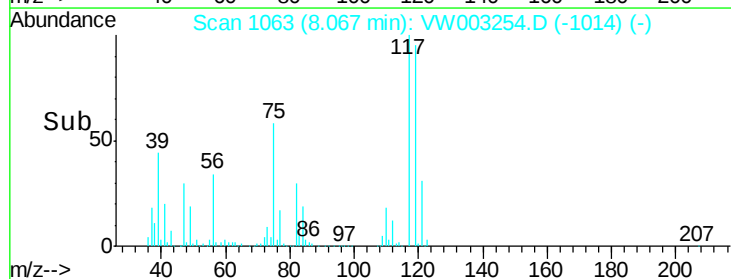
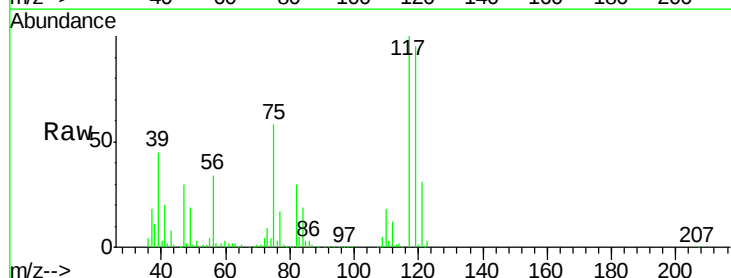
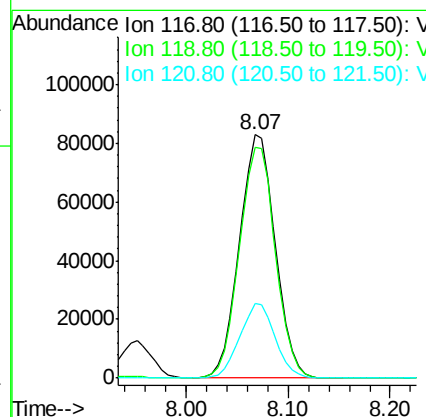
Manual Integrations
APPROVED

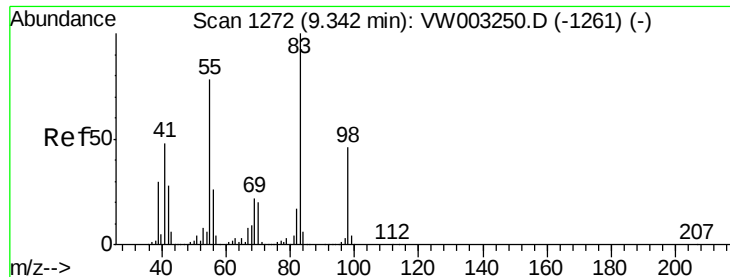
apatel
6/14/2018 10:03:40 AM



#38
Carbon Tetrachloride
Concen: 47.881 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	76.6	115.0
121	30.8	23.9	35.9





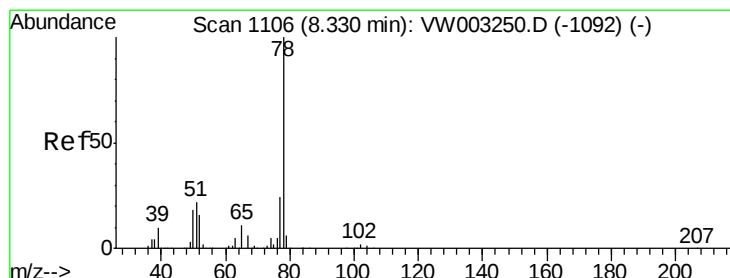
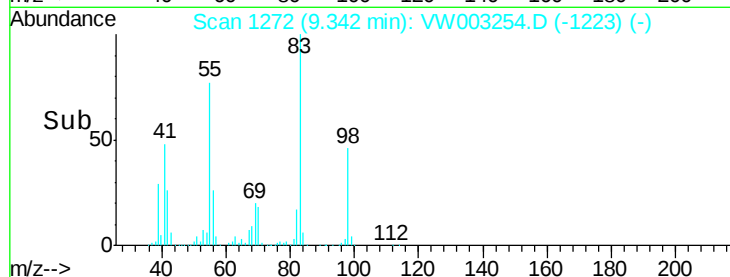
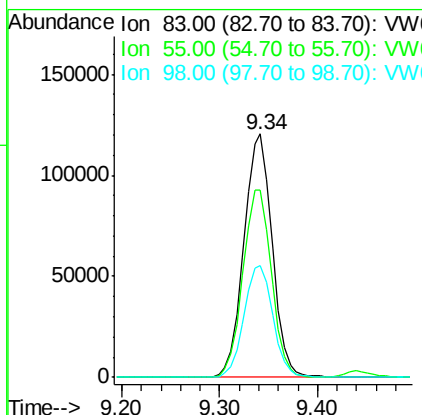
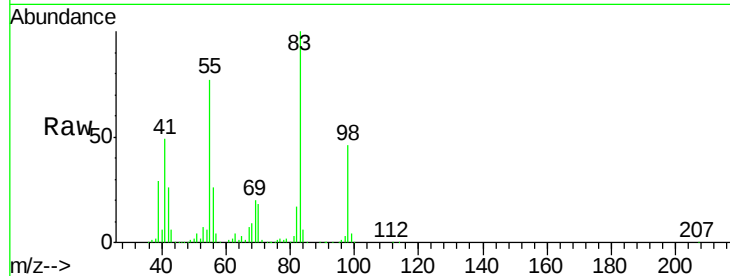
#39
Methylcyclohexane
Concen: 48.489 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.7	62.6	93.8
98	46.1	37.0	55.4

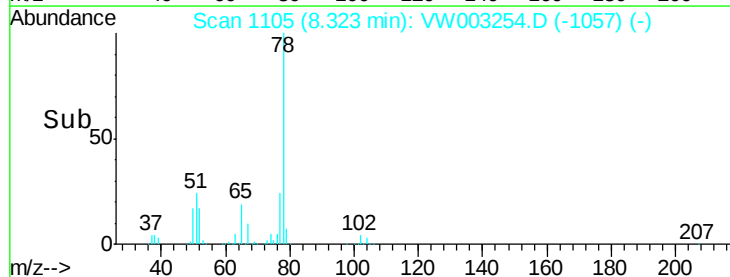
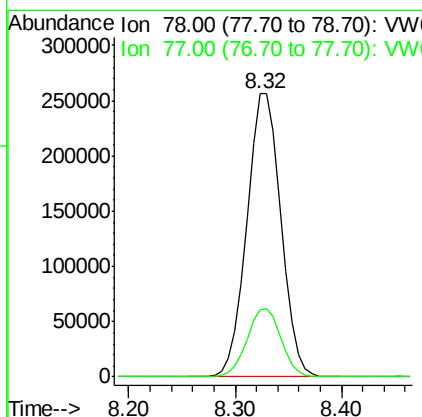
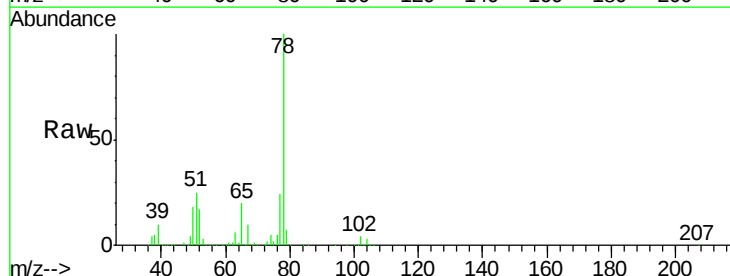
Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#40
Benzene
Concen: 48.675 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





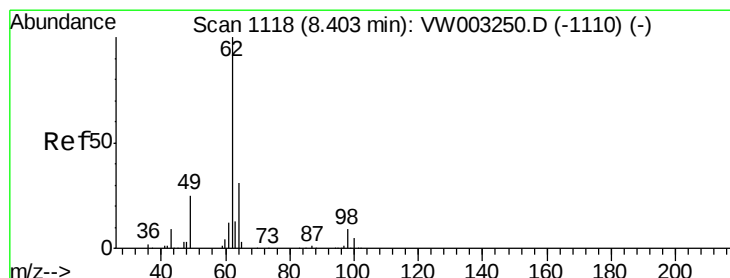
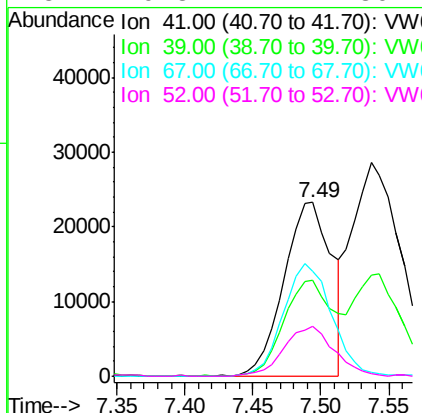
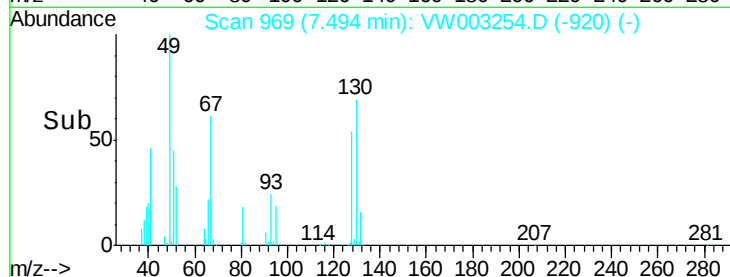
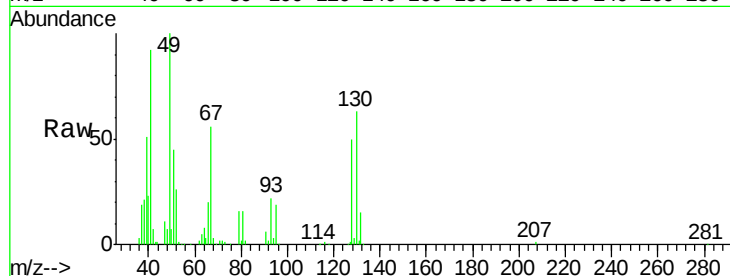
#41
Methacrylonitrile
Concen: 52.067 ug/l
RT: 7.49 min Scan# 969
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.9	45.8	68.8
67	65.6	52.3	78.5
52	29.8	24.1	36.1

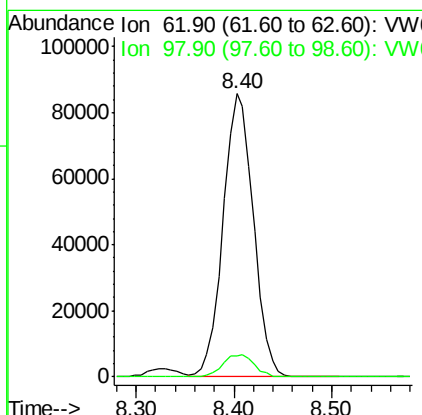
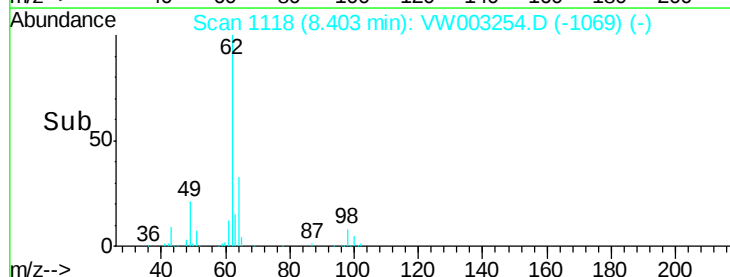
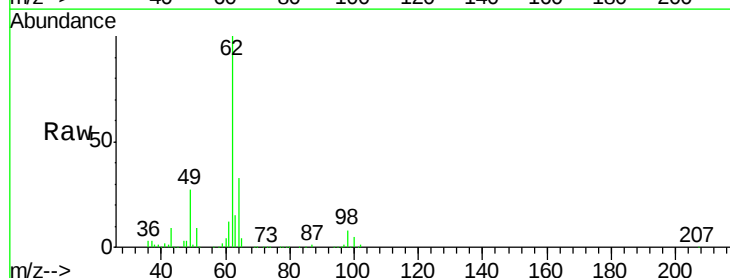
Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#42
1,2-Dichloroethane
Concen: 49.470 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 50.913 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

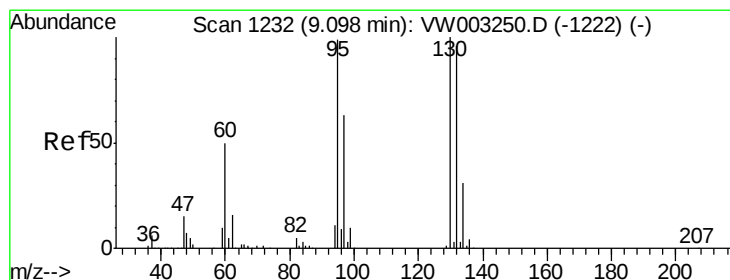
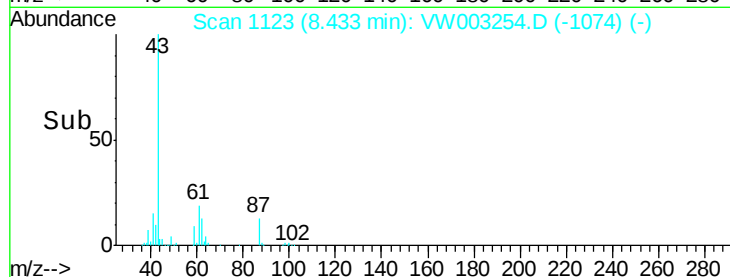
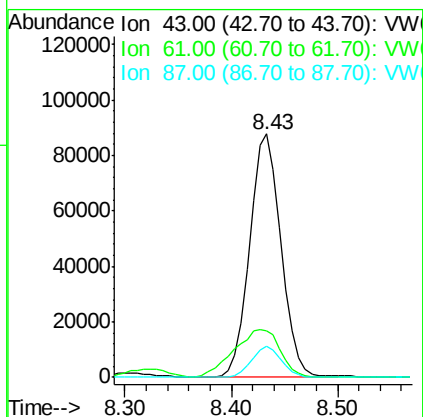
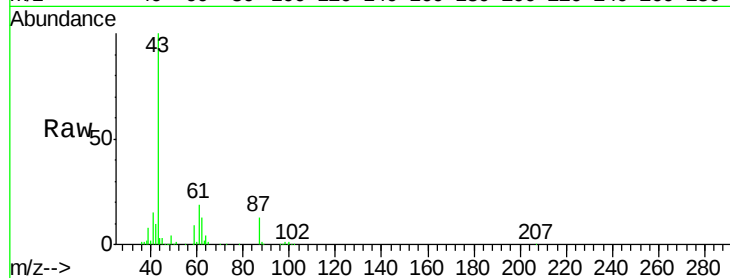
ClientSampleId :

ICVW061318

Tgt Ion:	43	Resp:	180216
Ion Ratio		Lower	Upper
43	100		
61	29.1	23.1	34.7
87	12.4	9.8	14.6

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#44

Trichloroethene

Concen: 48.242 ug/l

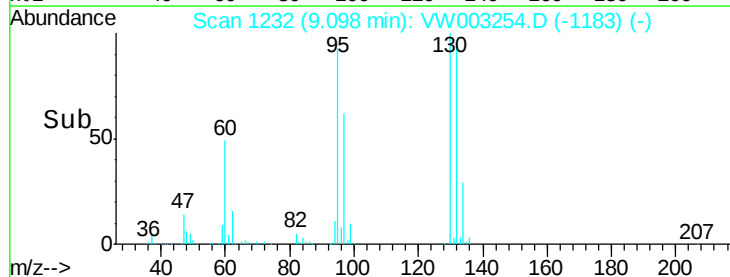
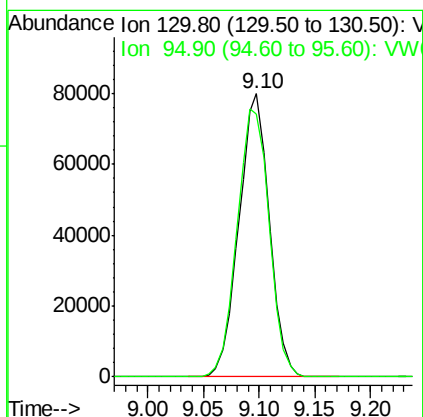
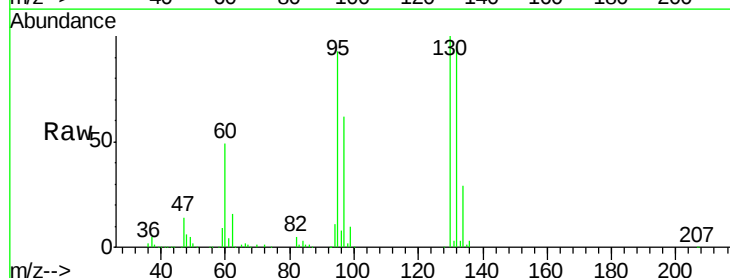
RT: 9.10 min Scan# 1232

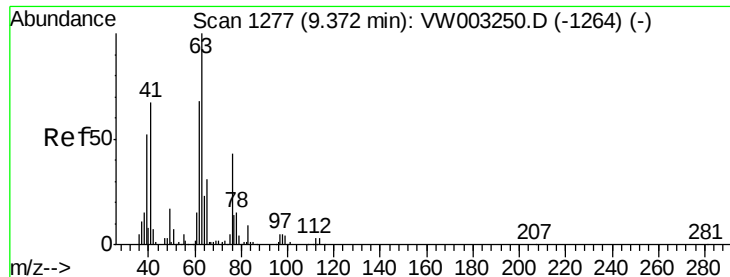
Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion:	130	Resp:	151623
Ion Ratio		Lower	Upper
130	100		
95	92.8	0.0	198.0





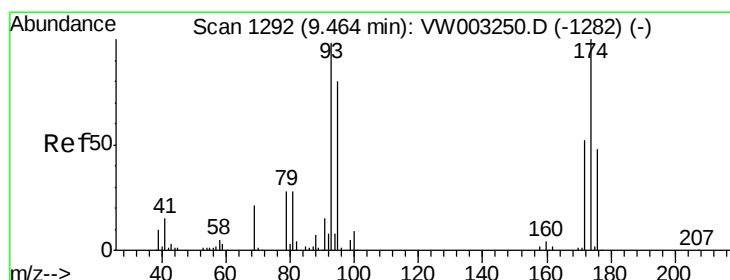
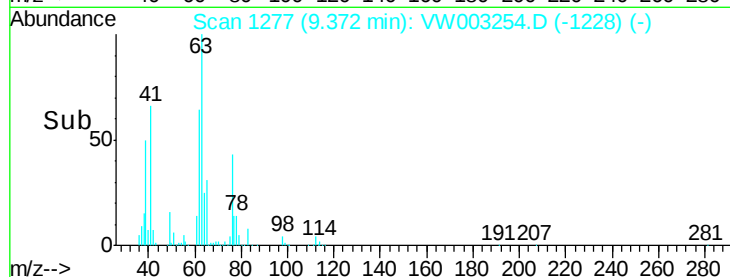
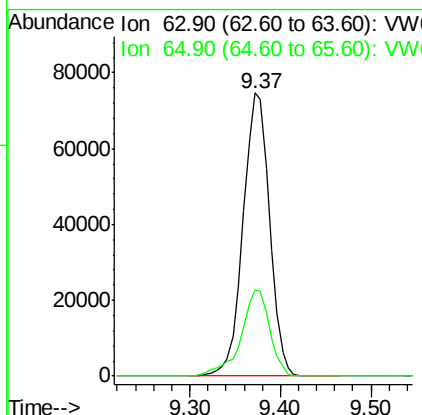
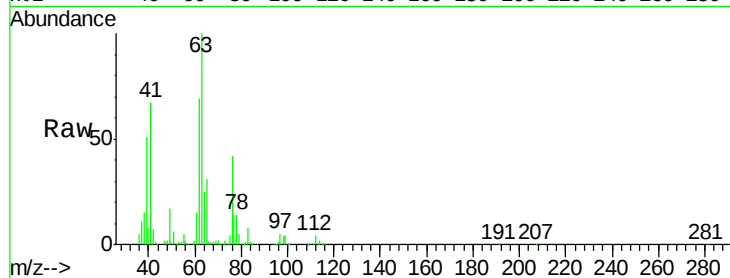
#45
 1,2-Dichloropropane
 Concen: 49.996 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW061318

Tgt Ion: 63 Resp: 150989
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.1 37.7

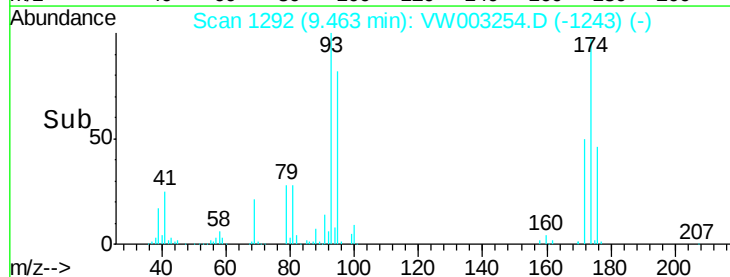
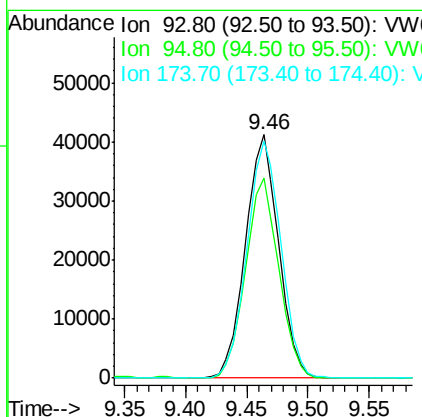
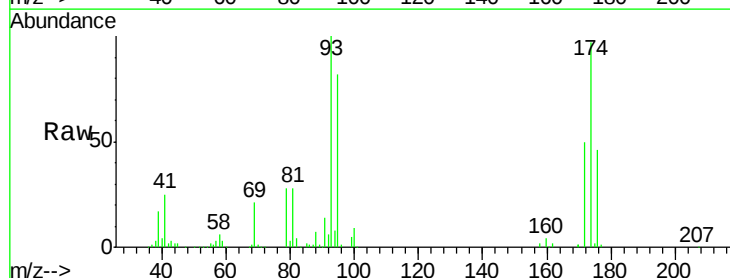
Manual Integrations
 APPROVED

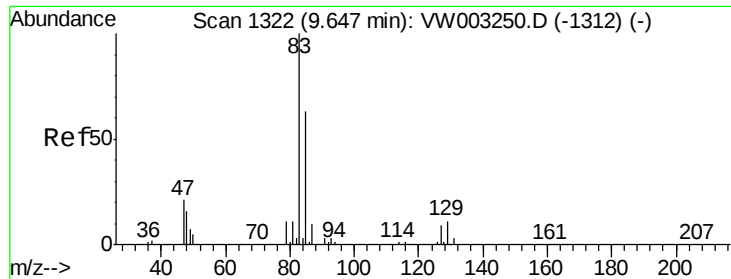
apatel
 6/14/2018 10:03:40 AM



#46
 Dibromomethane
 Concen: 50.203 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Tgt Ion: 93 Resp: 77623
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.8 98.8
 174 100.2 81.4 122.0





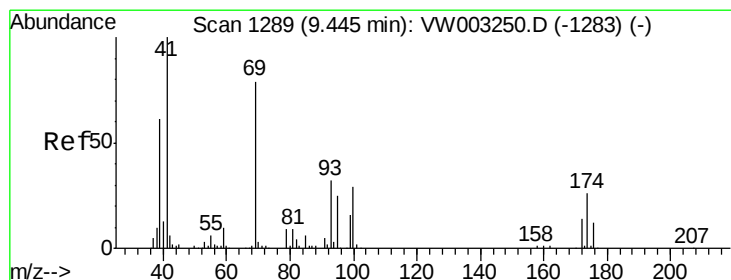
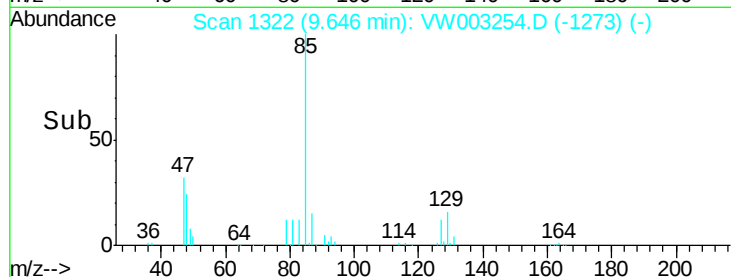
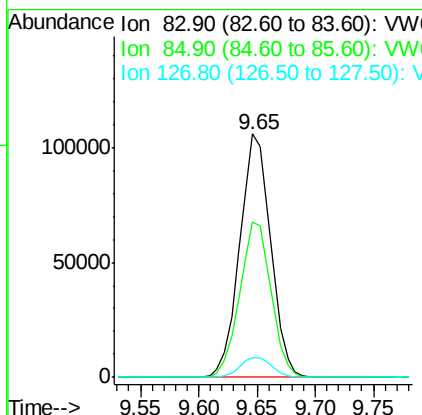
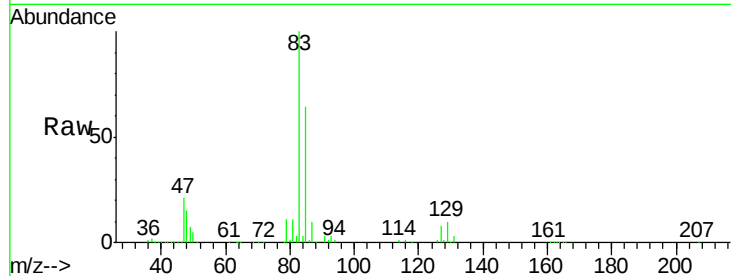
#47
Bromodichloromethane
Concen: 49.656 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	196800		
85	63.9	50.6	75.8	
127	7.9	6.8	10.2	

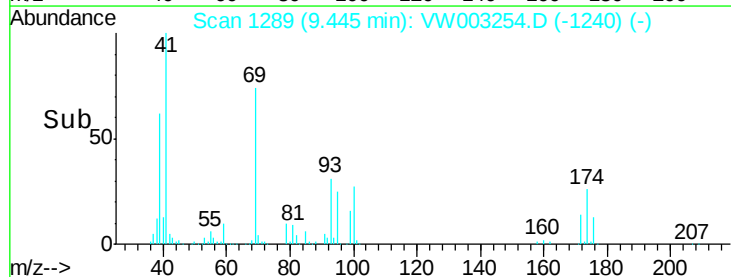
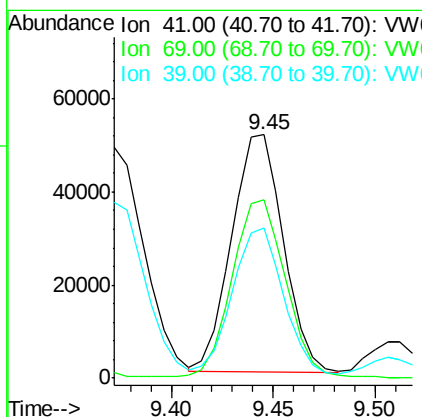
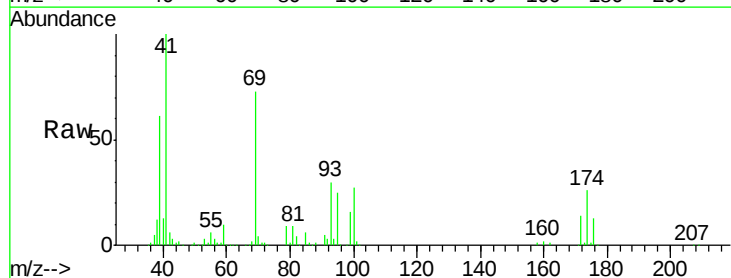
Manual Integrations
APPROVED

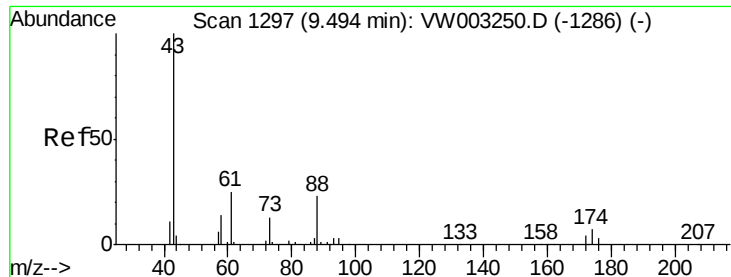
apatel
6/14/2018 10:03:40 AM



#48
Methyl methacrylate
Concen: 53.978 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	89792		
69	78.5	65.4	98.2	
39	64.1	54.2	81.2	





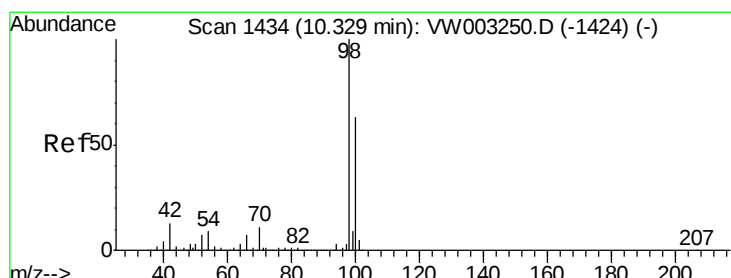
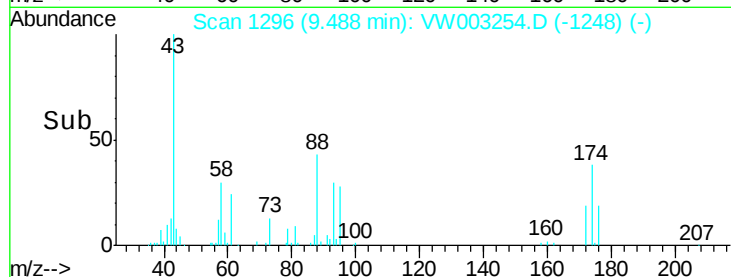
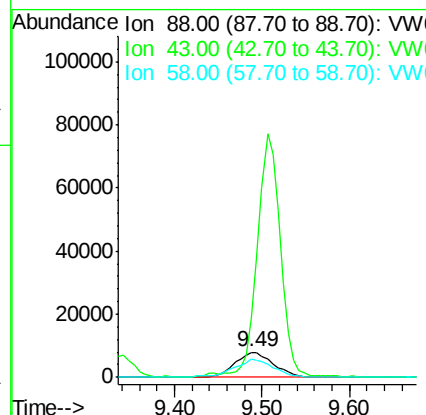
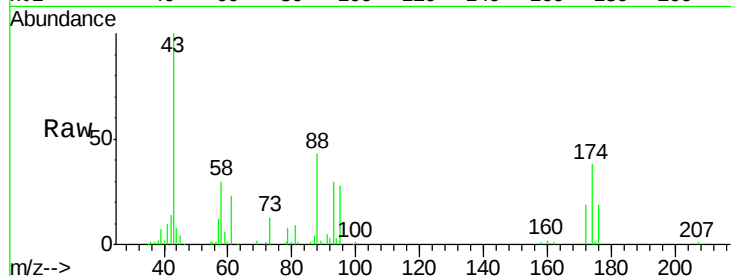
#49
1,4-Dioxane
Concen: 1032.613 ug/l
RT: 9.49 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Lower	Upper
88	100		
43	579.6	454.7	682.1
58	74.5	58.6	88.0

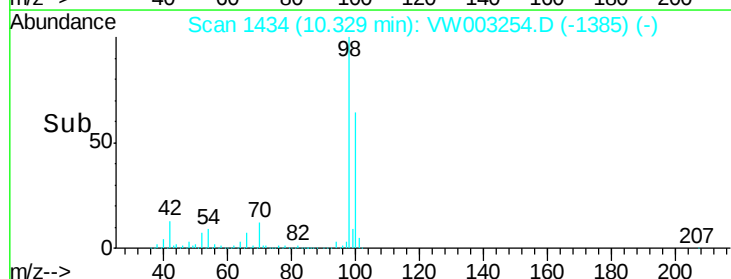
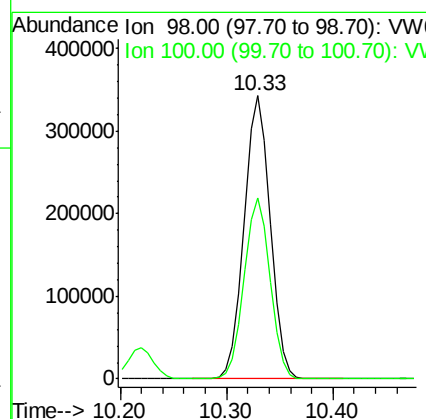
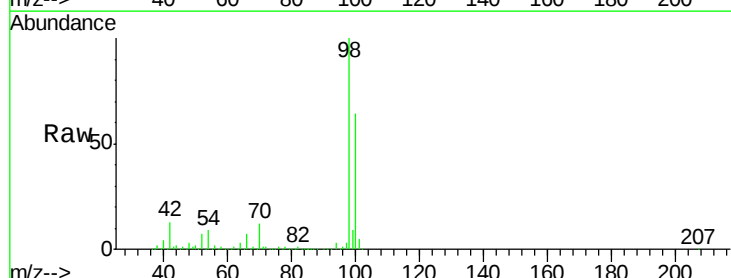
Manual Integrations
APPROVED

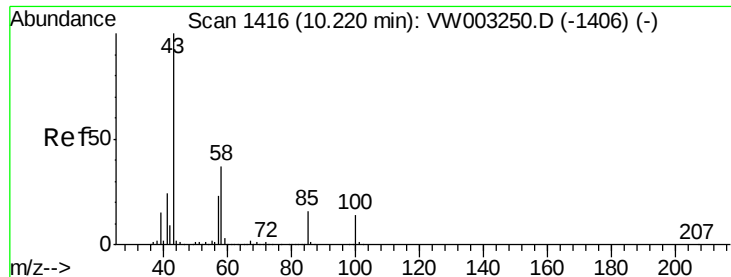
apatel
6/14/2018 10:03:40 AM



#50
Toluene-d8
Concen: 53.956 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.8	76.2





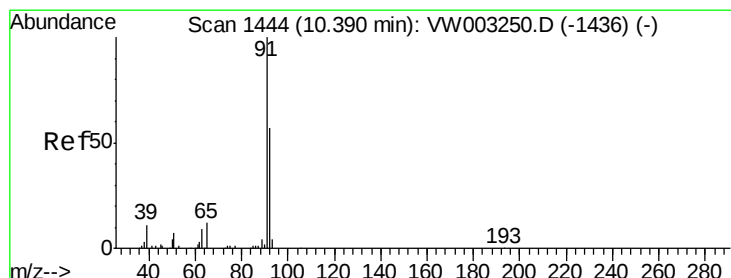
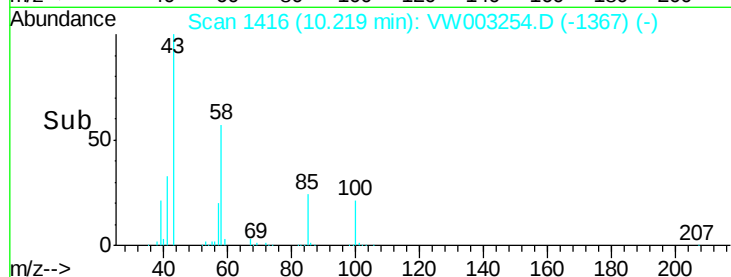
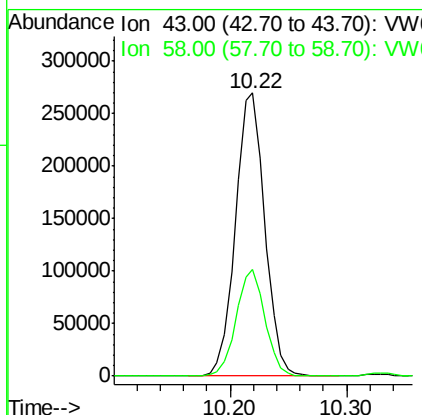
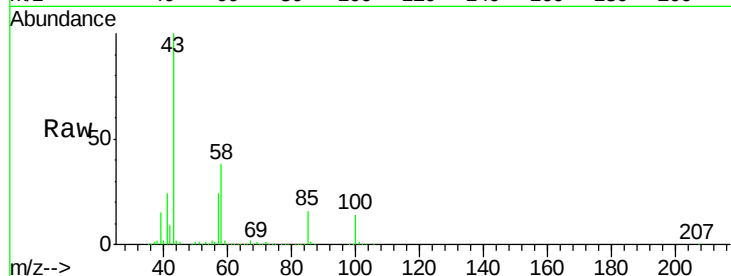
#51
4-Methyl-2-Pentanone
Concen: 261.790 ug/l
RT: 10.22 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion: 43 Resp: 472182
Ion Ratio Lower Upper
43 100
58 37.0 29.0 43.4

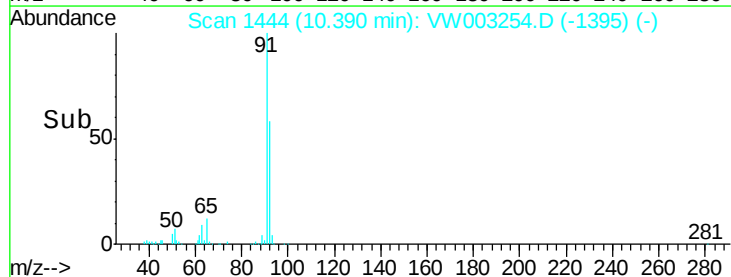
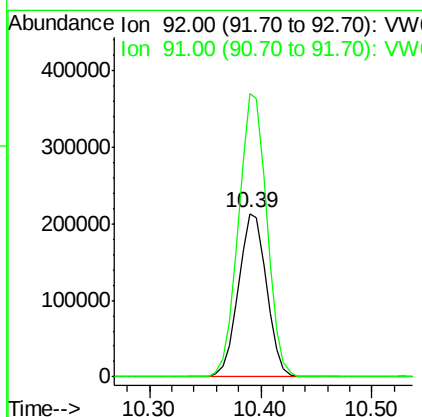
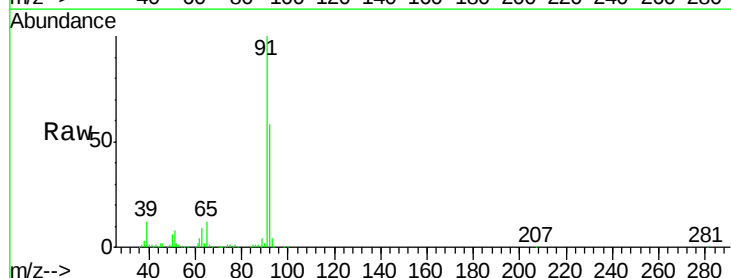
Manual Integrations
APPROVED

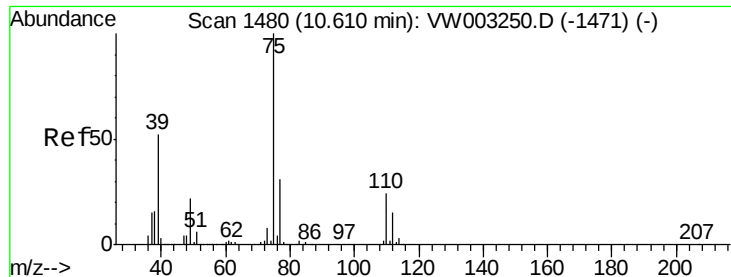
apatel
6/14/2018 10:03:40 AM



#52
Toluene
Concen: 49.070 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion: 92 Resp: 373233
Ion Ratio Lower Upper
92 100
91 174.5 141.1 211.7





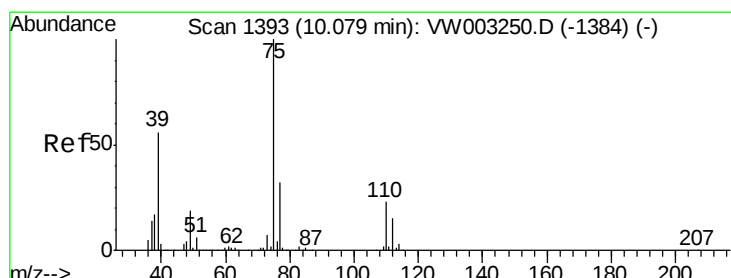
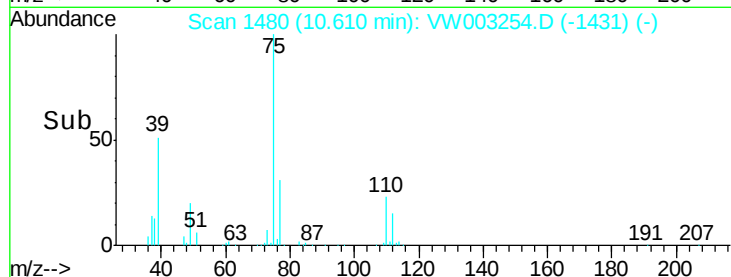
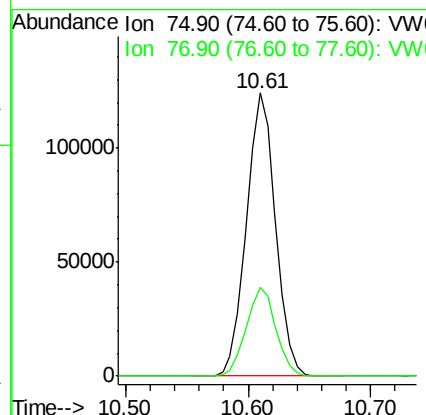
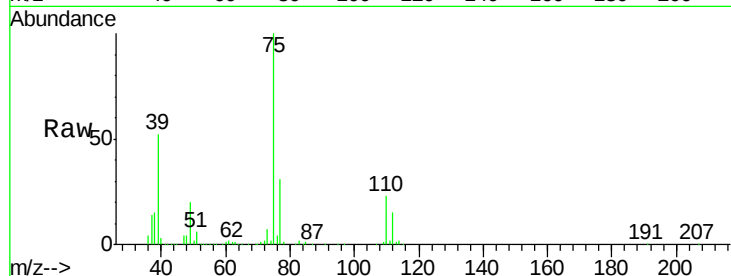
#53
 t-1,3-Dichloropropene
 Concen: 50.552 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Instrument :
 MSVOA_W
 ClientSampled :
 ICVVW061318

Tgt Ion: 75 Resp: 204660
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.9 37.3

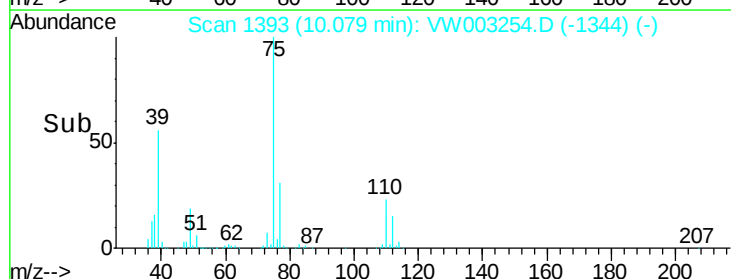
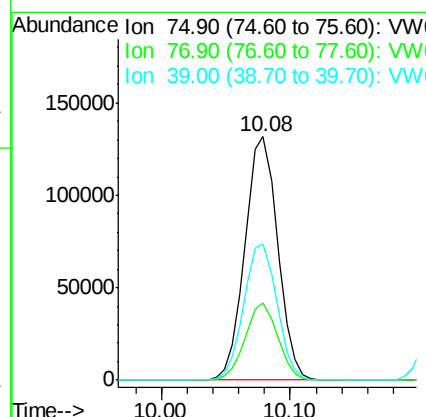
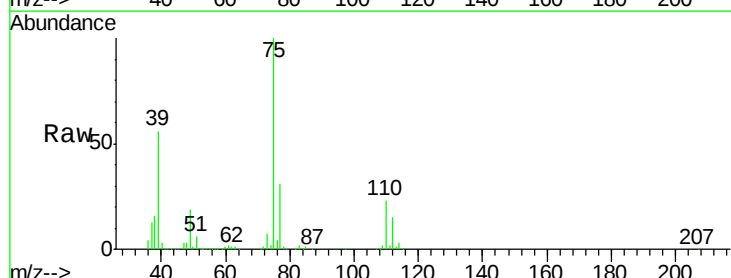
Manual Integrations
 APPROVED

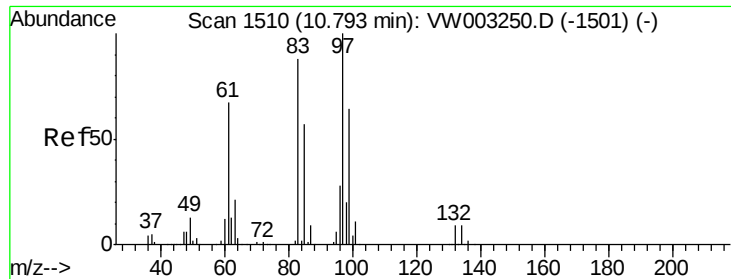
apatel
 6/14/2018 10:03:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 50.288 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Tgt Ion: 75 Resp: 231722
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.8 38.6
 39 56.0 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 49.937 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

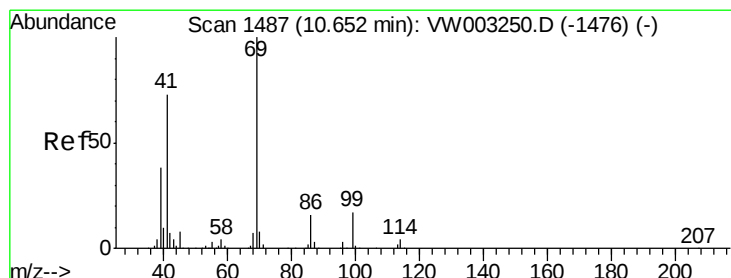
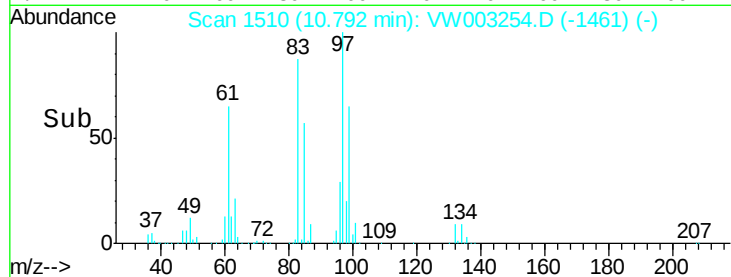
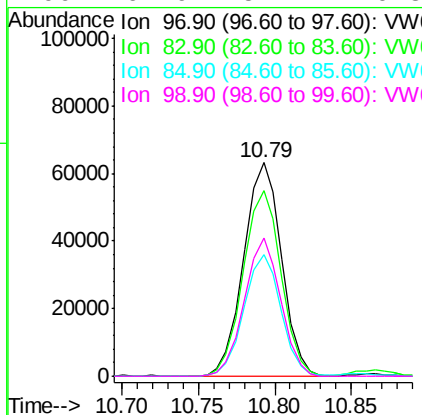
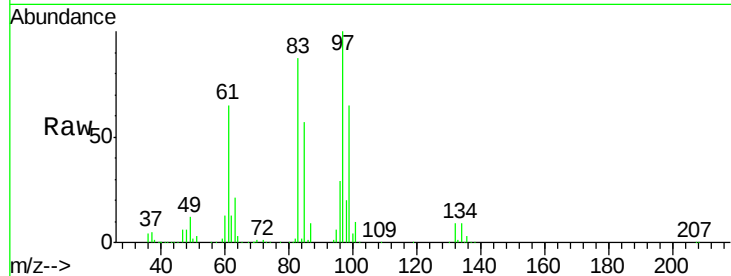
ClientSampleId :

ICVW061318

Tgt Ion:	97	Resp:	108803
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.2	105.2
85	57.0	45.6	68.4
99	64.9	51.2	76.8

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#56

Ethyl methacrylate

Concen: 53.418 ug/l

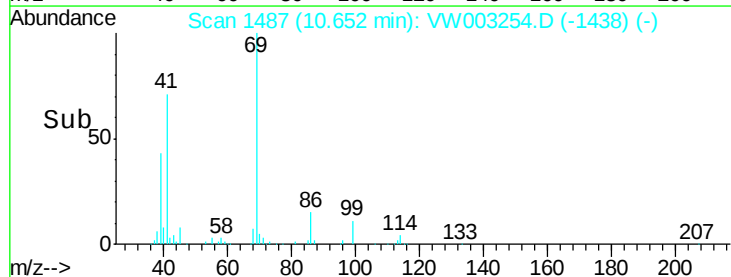
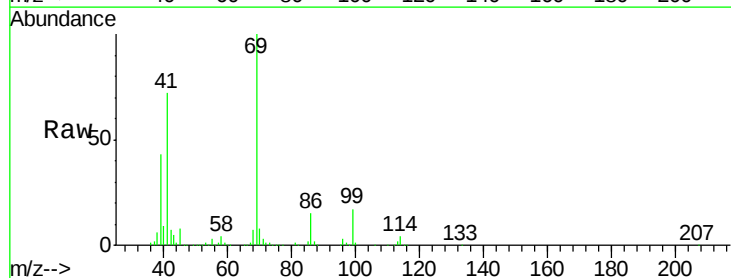
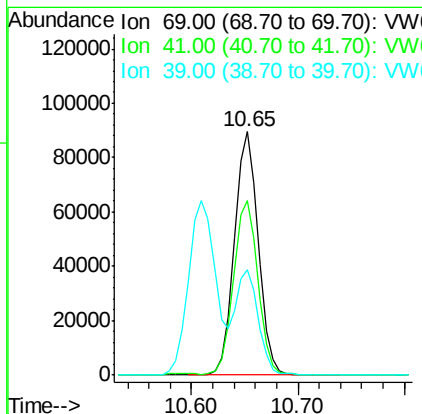
RT: 10.65 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion:	69	Resp:	141330
Ion	Ratio	Lower	Upper
69	100		
41	72.9	57.8	86.6
39	40.4	32.7	49.1





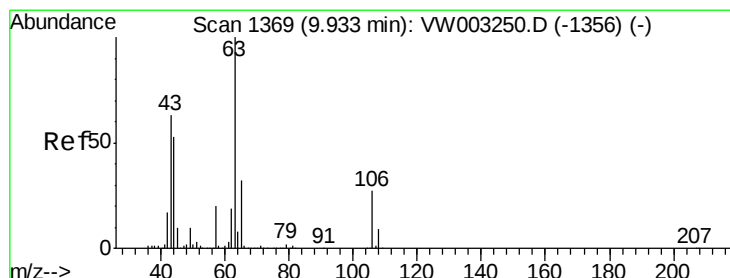
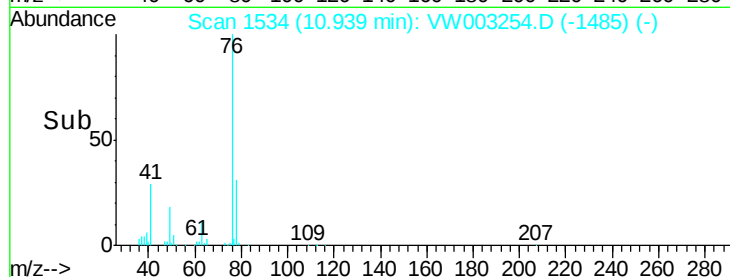
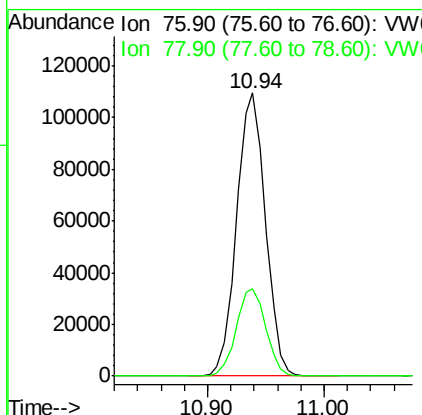
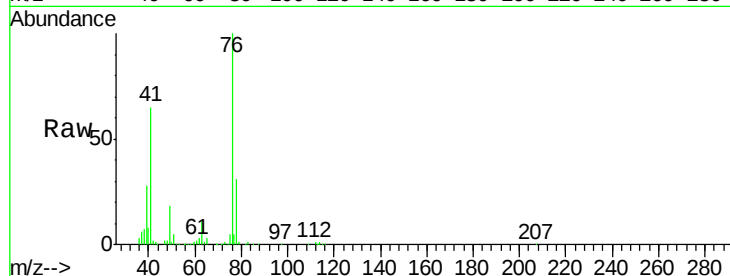
#57
 1,3-Dichloropropane
 Concen: 50.321 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW061318

Tgt Ion: 76 Resp: 189093
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

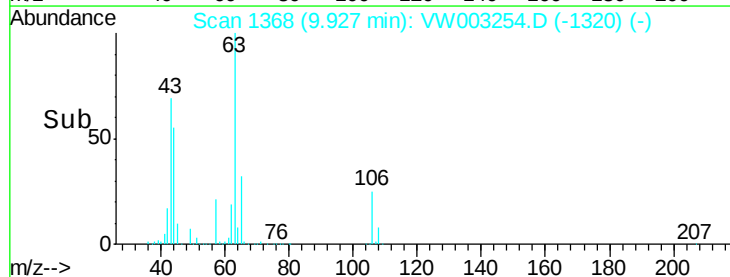
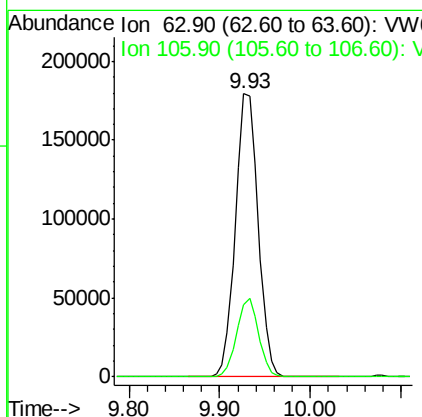
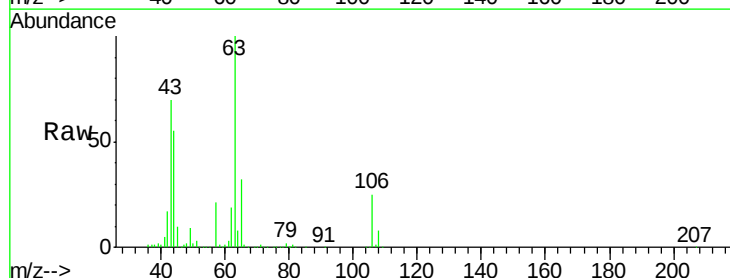
Manual Integrations
 APPROVED

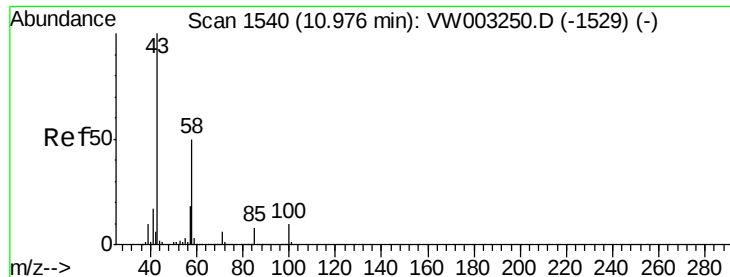
apatel
 6/14/2018 10:03:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 263.748 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Tgt Ion: 63 Resp: 312816
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.8 32.8





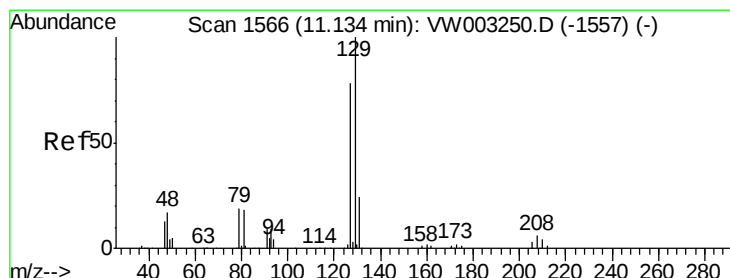
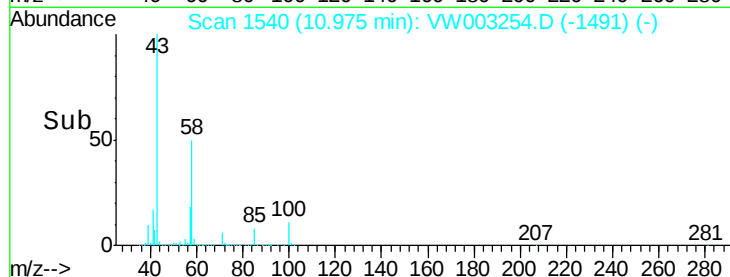
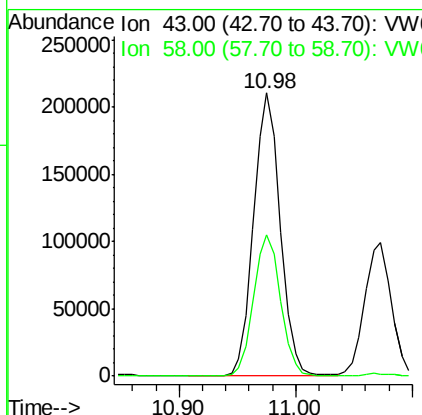
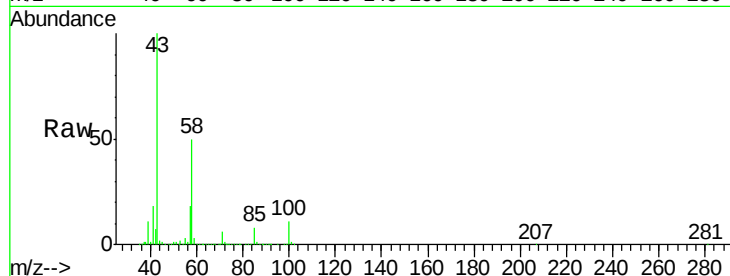
#59
2-Hexanone
Concen: 267.279 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion: 43 Resp: 336778
Ion Ratio Lower Upper
43 100
58 50.6 25.0 75.0

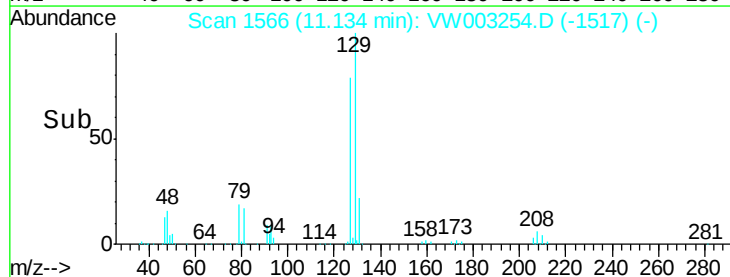
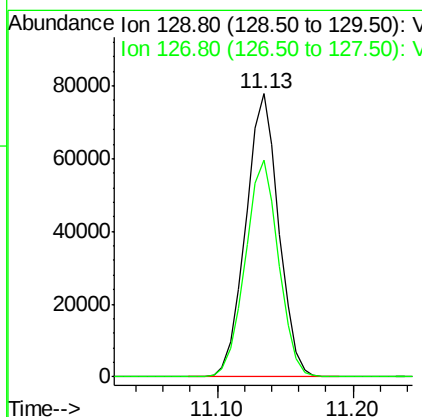
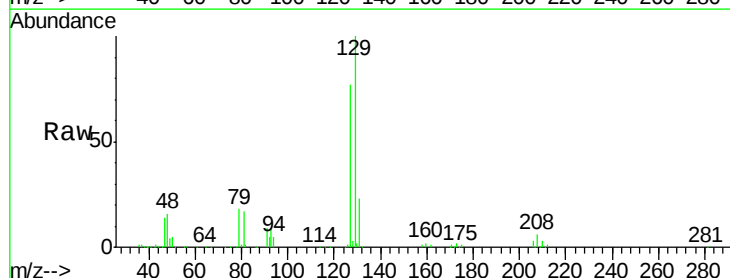
Manual Integrations
APPROVED

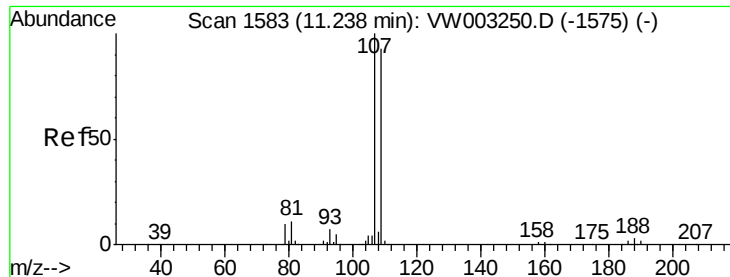
apatel
6/14/2018 10:03:40 AM



#60
Dibromochloromethane
Concen: 50.878 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion: 129 Resp: 131827
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.5





#61

1,2-Dibromoethane

Concen: 50.343 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 107 Resp: 103754

Ion Ratio Lower Upper

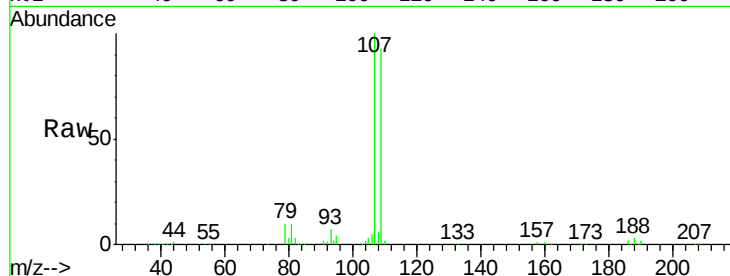
107 100

109 93.8 75.8 113.6

Manual Integrations
APPROVED

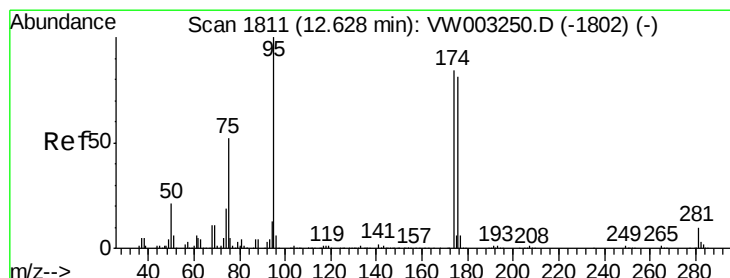
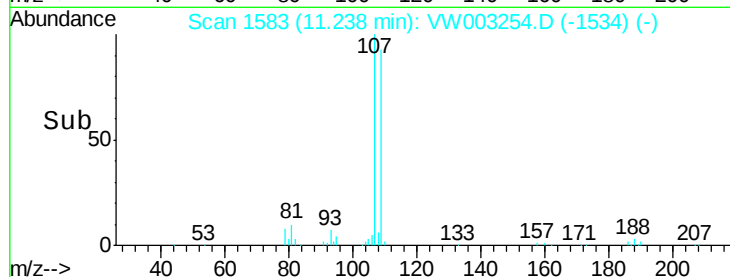
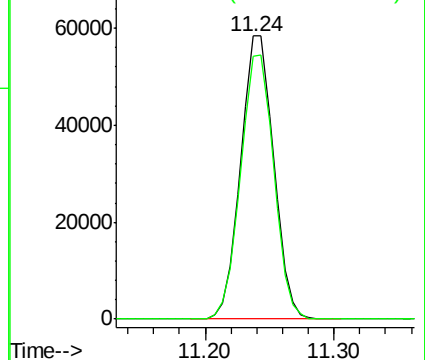
apatel

6/14/2018 10:03:40 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 55.312 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

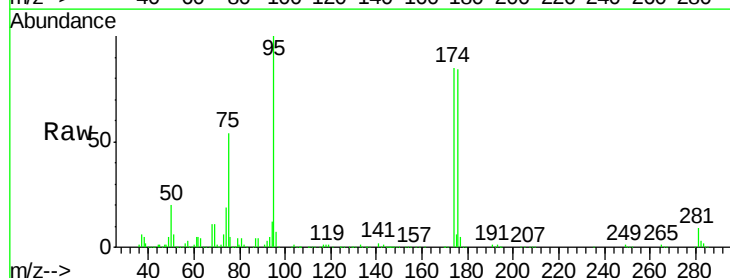
Tgt Ion: 95 Resp: 214895

Ion Ratio Lower Upper

95 100

174 82.2 0.0 166.4

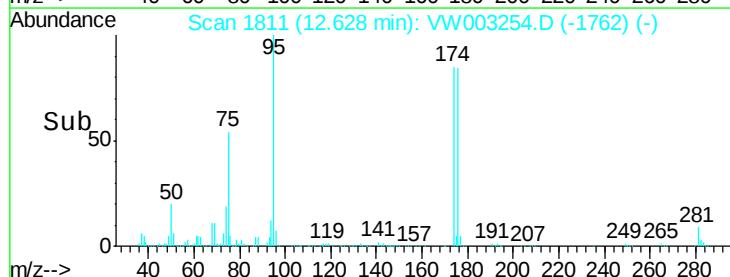
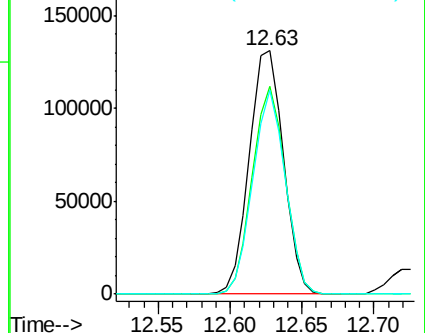
176 79.5 0.0 162.0

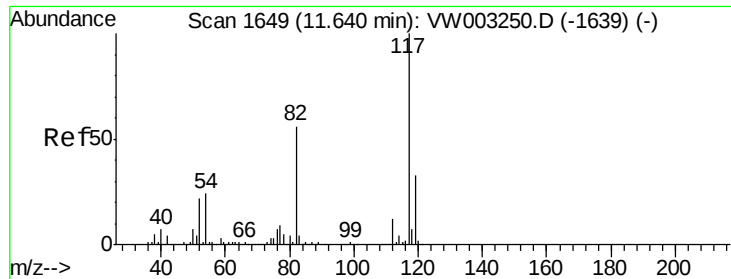


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





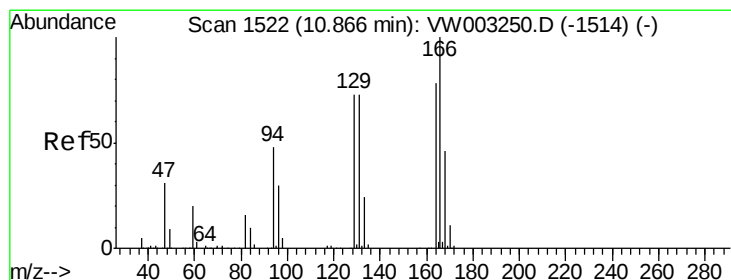
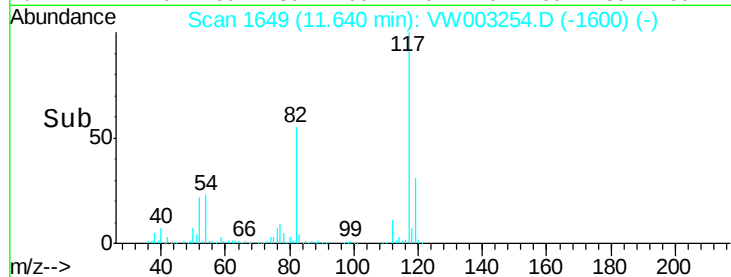
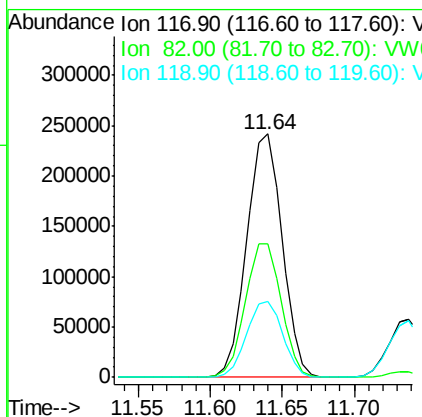
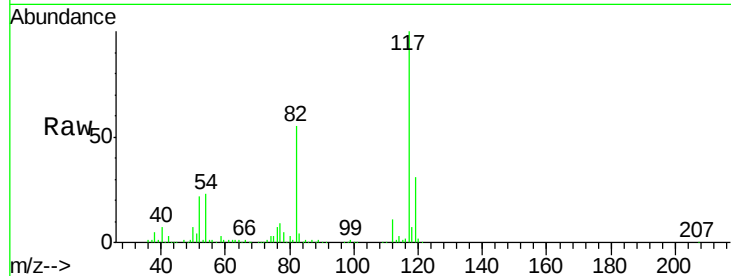
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	410814		
82	54.8	44.6	67.0	
119	31.3	26.7	40.1	

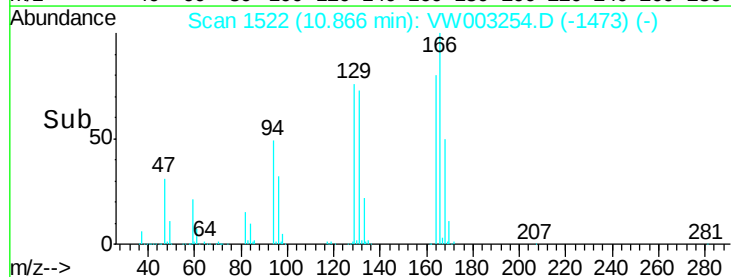
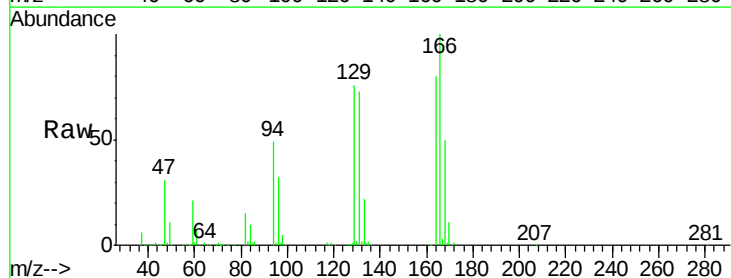
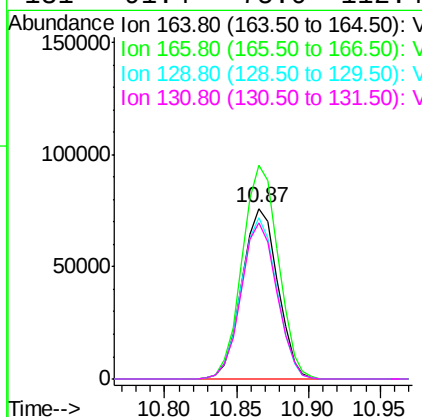
Manual Integrations
APPROVED

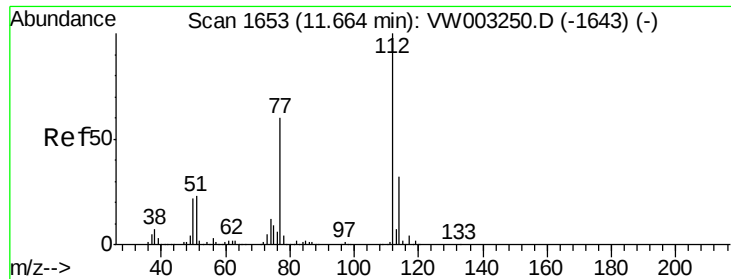
apatel
6/14/2018 10:03:40 AM



#64
Tetrachloroethene
Concen: 47.802 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	131348		
166	125.4	102.6	154.0	
129	95.1	75.2	112.8	
131	91.4	75.0	112.4	





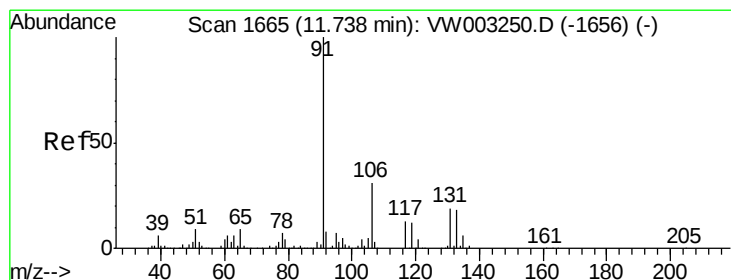
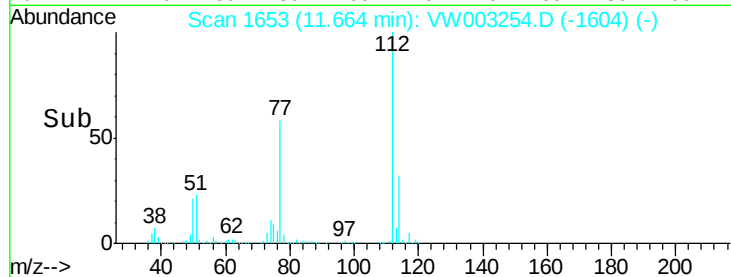
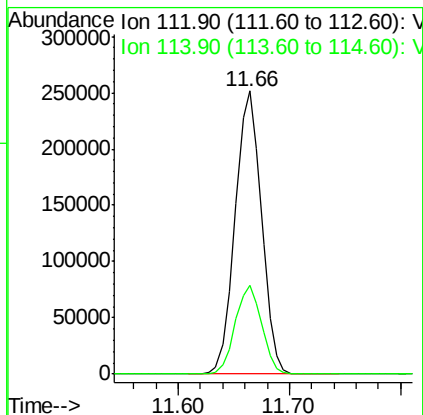
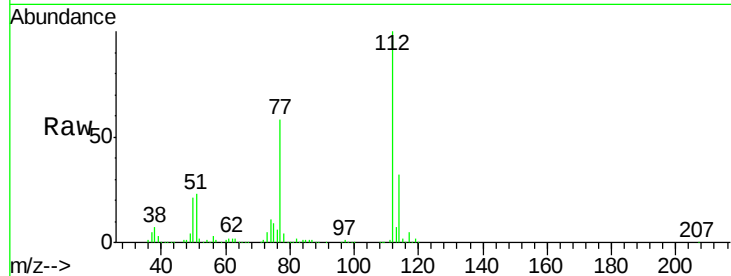
#65
Chlorobenzene
Concen: 48.128 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion:112 Resp: 411727
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

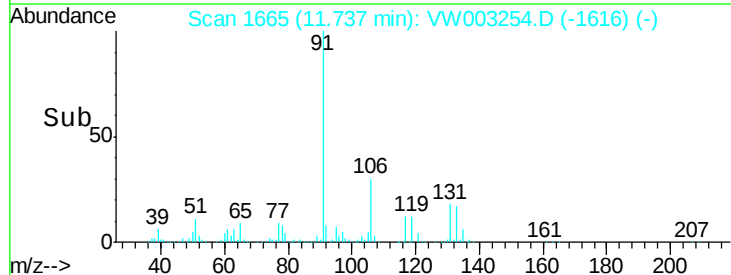
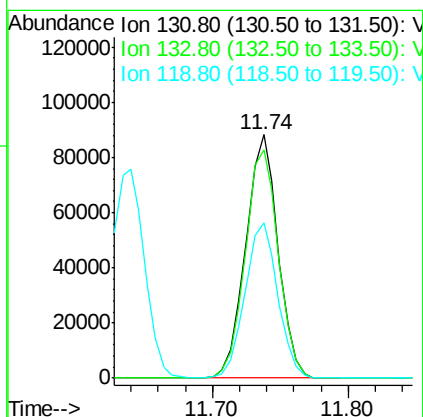
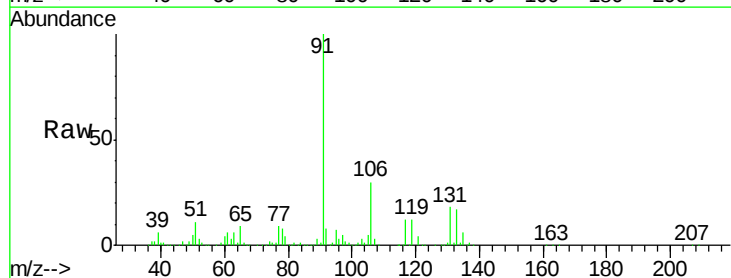
Manual Integrations
APPROVED

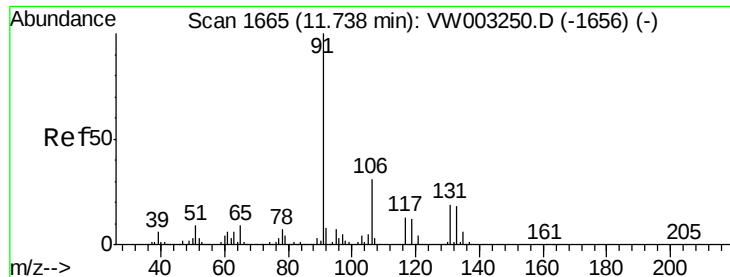
apatel
6/14/2018 10:03:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.613 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion:131 Resp: 146149
Ion Ratio Lower Upper
131 100
133 96.5 47.3 142.0
119 64.9 32.5 97.4





#67

Ethyl Benzene

Concen: 49.068 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 91 Resp: 744099

Ion Ratio Lower Upper

91 100

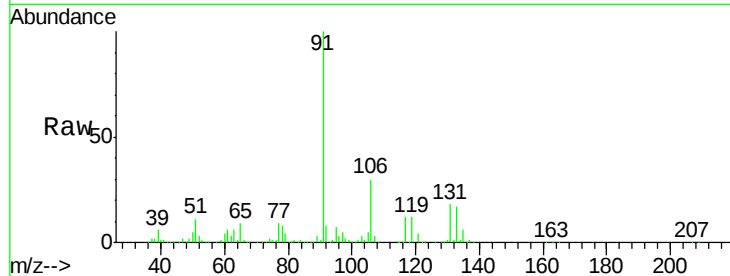
106 30.2 24.7 37.1

Manual Integrations

APPROVED

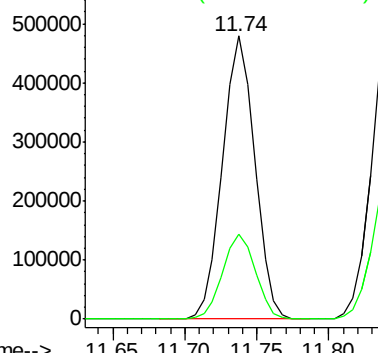
apatel

6/14/2018 10:03:40 AM

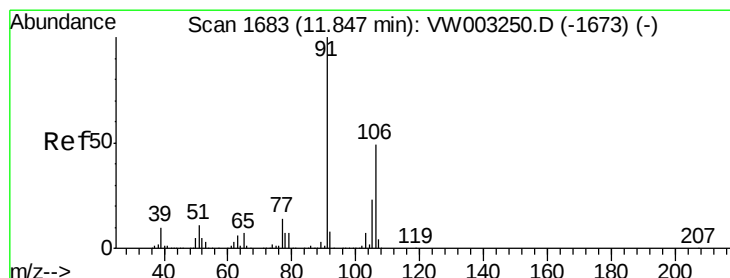
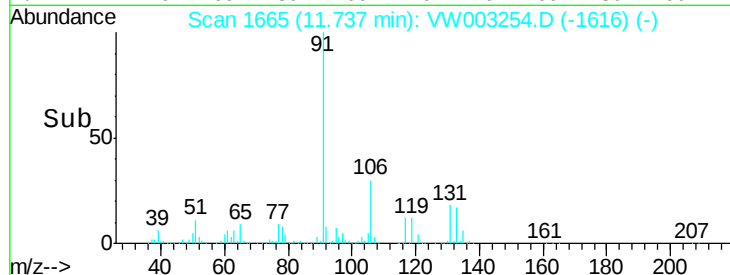


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



Time-->



#68

m/p-Xylenes

Concen: 98.668 ug/l

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003254.D

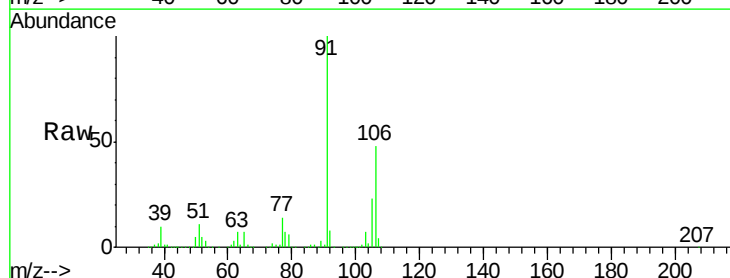
Acq: 13 Jun 2018 19:33

Tgt Ion:106 Resp: 568783

Ion Ratio Lower Upper

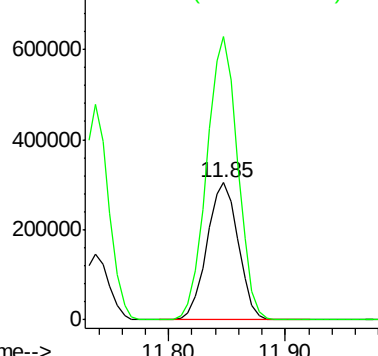
106 100

91 204.0 165.4 248.0

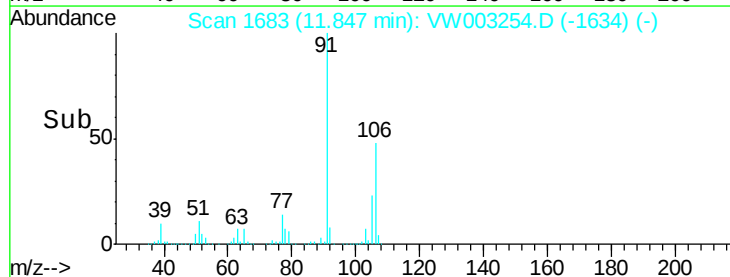


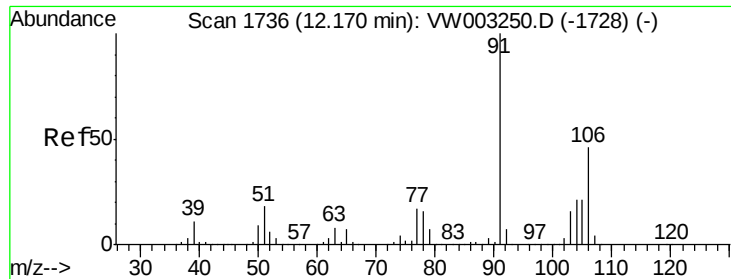
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->





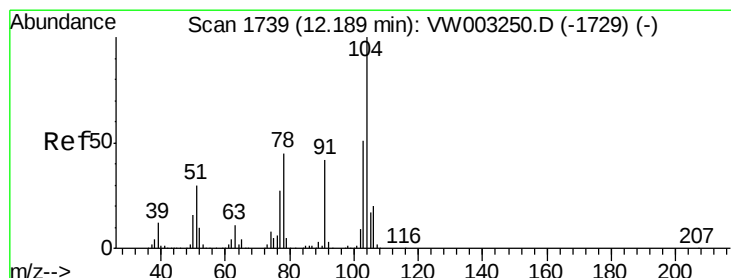
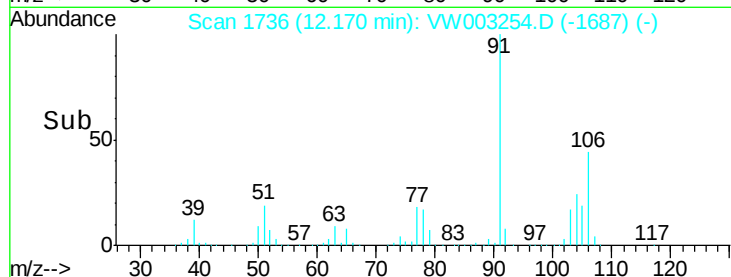
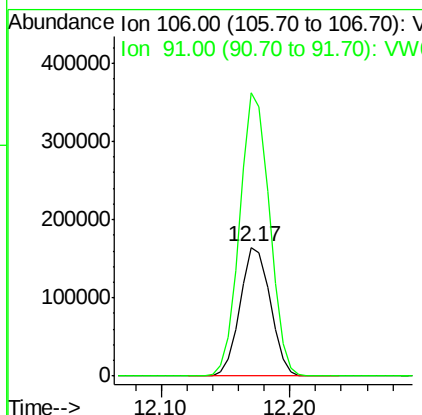
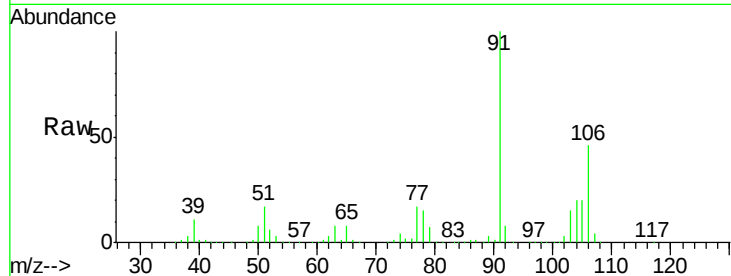
#69
o-Xylene
Concen: 50.034 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion:106 Resp: 267306
Ion Ratio Lower Upper
106 100
91 217.0 108.6 325.6

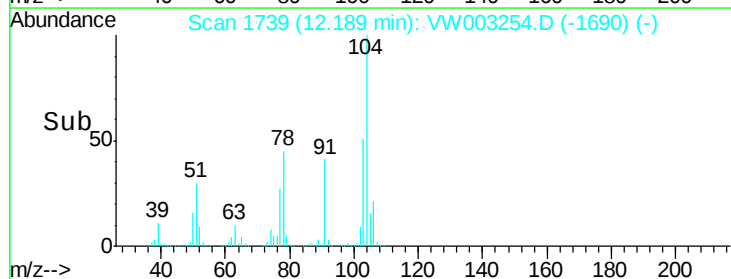
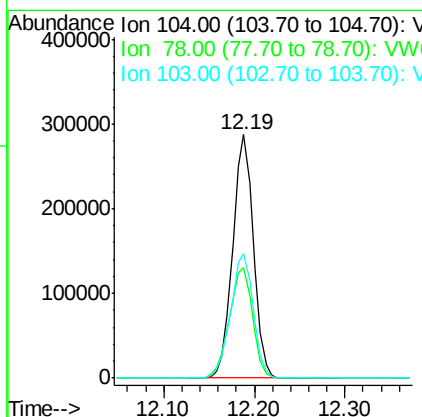
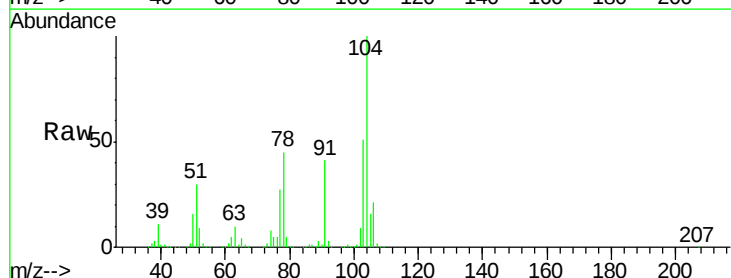
Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#70
Styrene
Concen: 51.098 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion:104 Resp: 454392
Ion Ratio Lower Upper
104 100
78 50.9 41.3 61.9
103 55.7 45.0 67.4





#71

Bromoform

Concen: 50.630 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

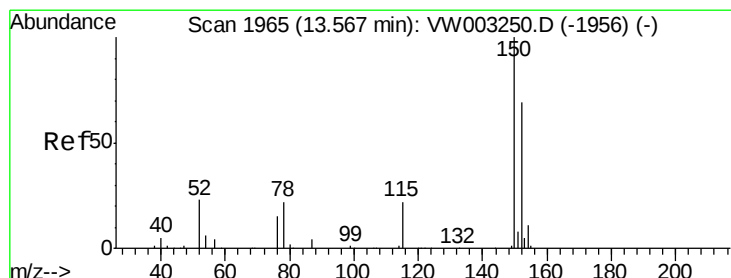
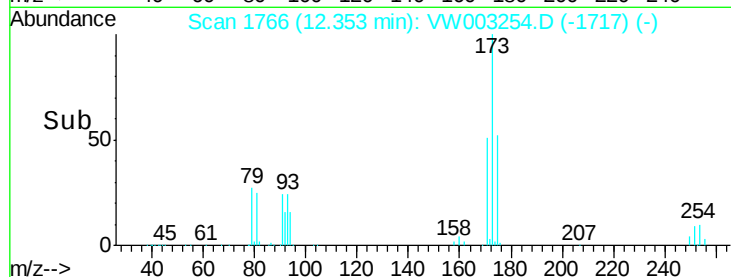
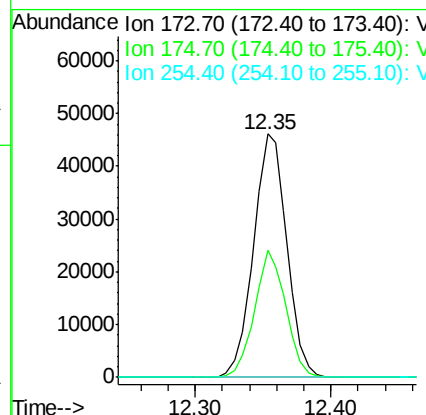
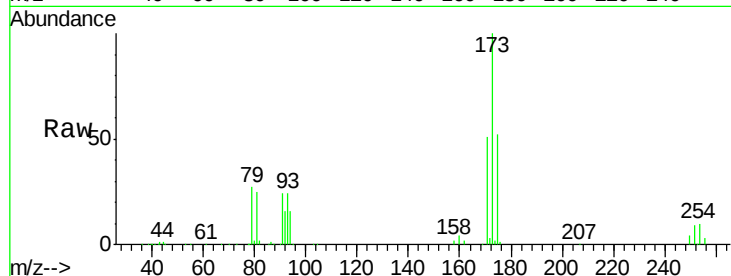
ClientSampleId :

ICVW061318

Tgt Ion:	173	Resp:	78886
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.4	73.4
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

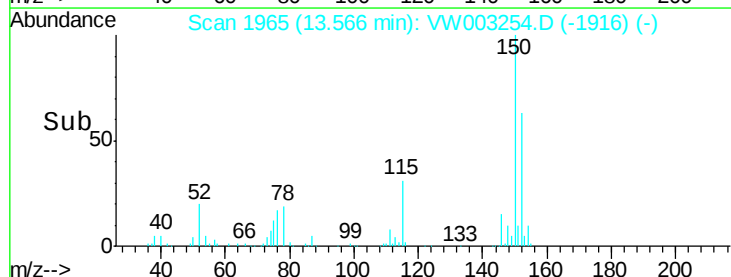
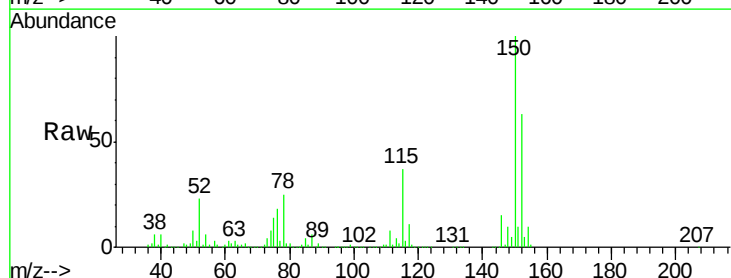
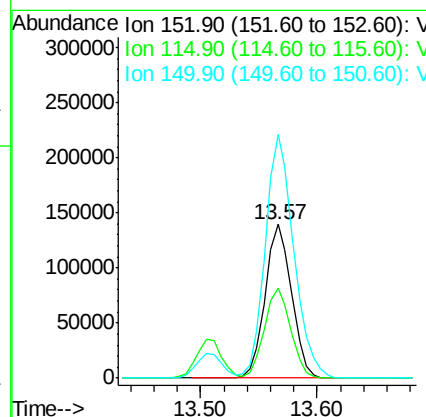
RT: 13.57 min Scan# 1965

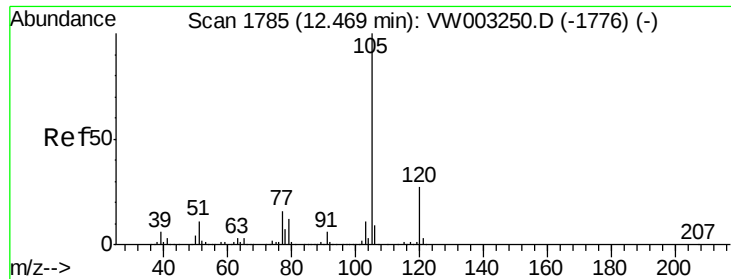
Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion:	152	Resp:	218050
Ion Ratio	Lower	Upper	
152	100		
115	58.3	29.3	88.0
150	171.8	0.0	349.6





#73

Isopropylbenzene

Concen: 49.313 ug/l

RT: 12.48 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 105 Resp: 747901

Ion Ratio Lower Upper

105 100

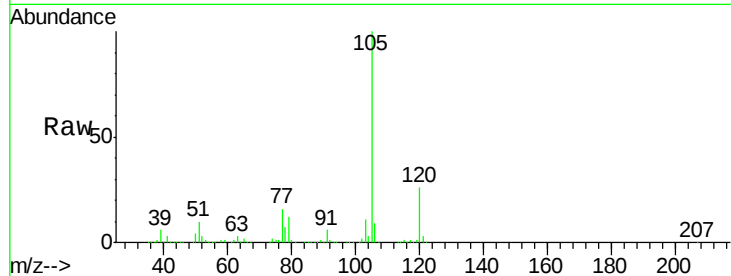
120 26.2 13.2 39.6

Manual Integrations

APPROVED

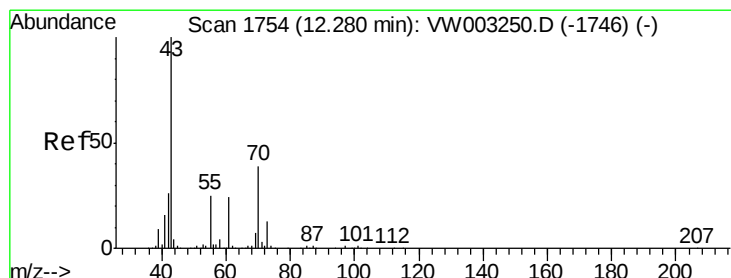
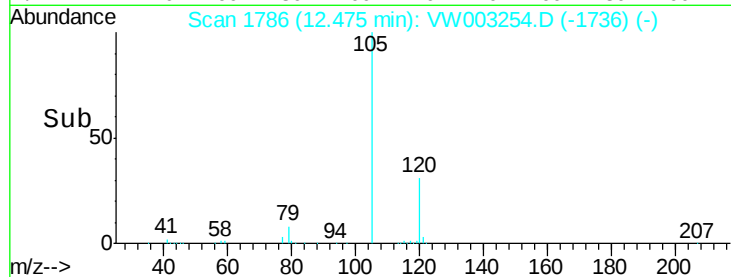
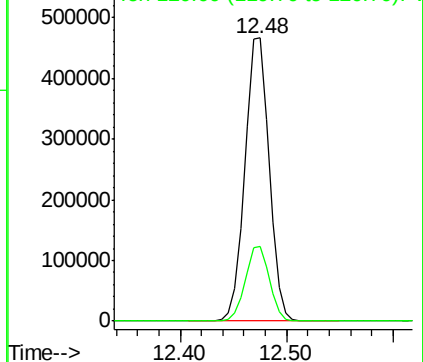
apatel

6/14/2018 10:03:40 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.219 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion: 43 Resp: 180262

Ion Ratio Lower Upper

43 100

70 38.7 31.0 46.6

55 24.3 19.7 29.5

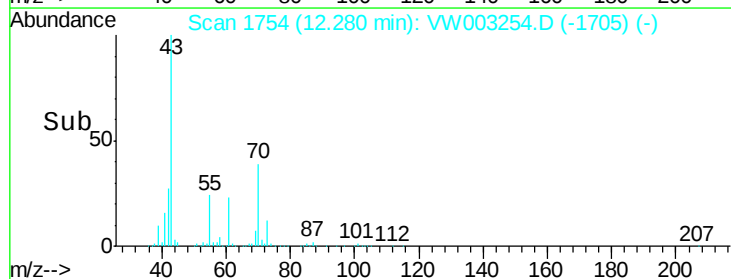
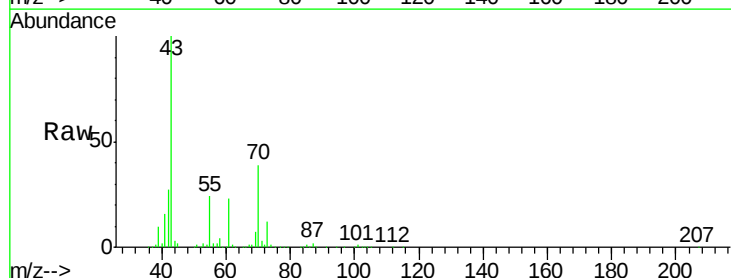
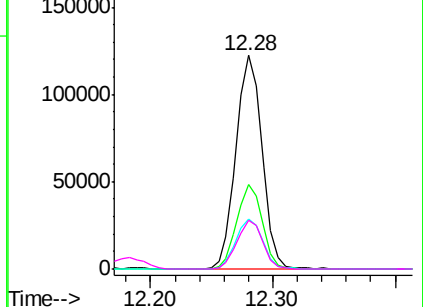
61 22.4 18.1 27.1

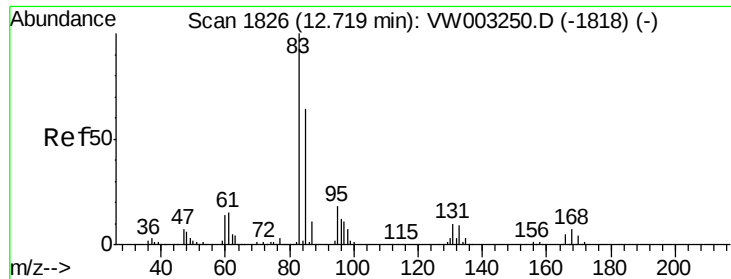
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





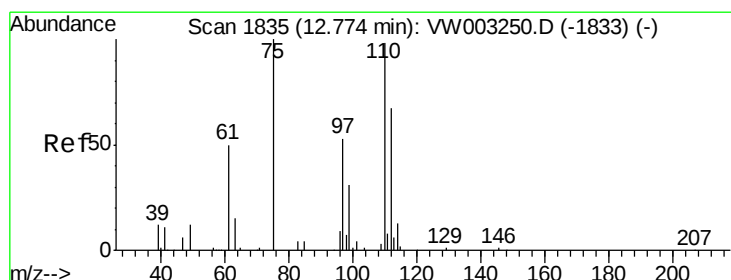
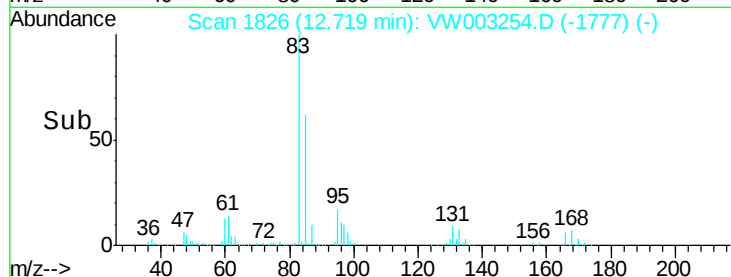
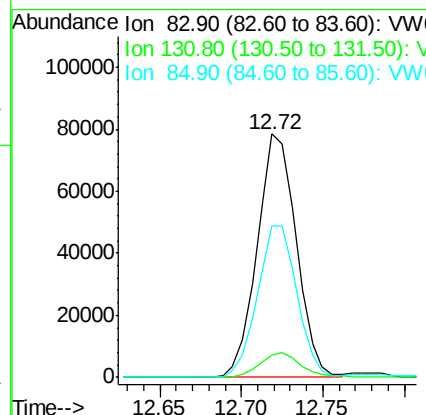
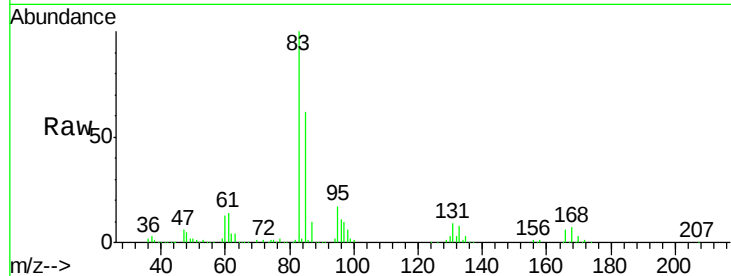
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.898 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	130594		
131	10.6	5.4	16.2	
85	63.2	31.9	95.7	

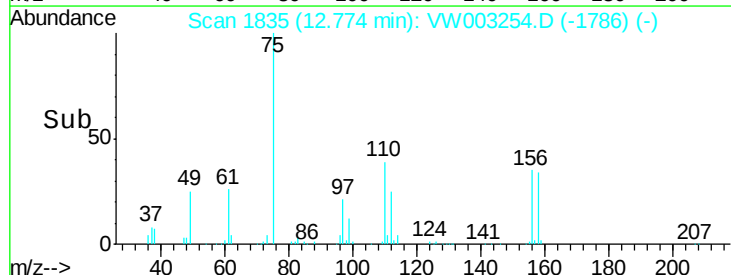
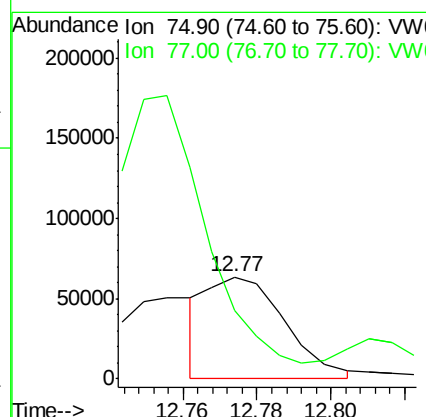
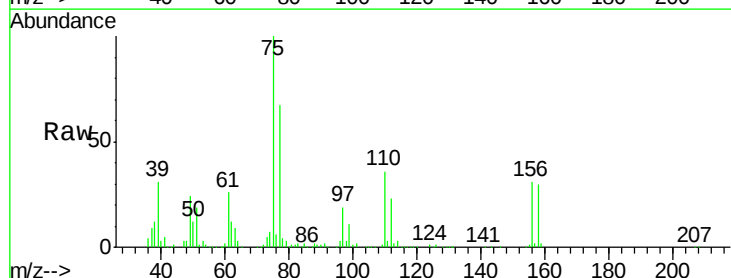
Manual Integrations
 APPROVED

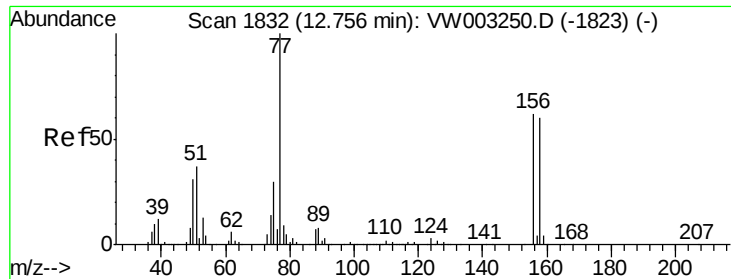
apatel
 6/14/2018 10:03:40 AM



#76
 1,2,3-Trichloropropane
 Concen: 50.440 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94024		
77	347.3	0.0	0.0#	





#77

Bromobenzene

Concen: 49.162 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

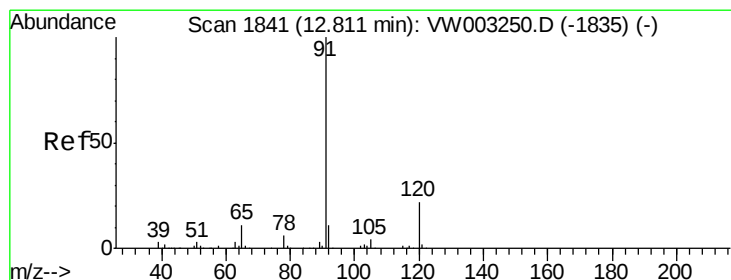
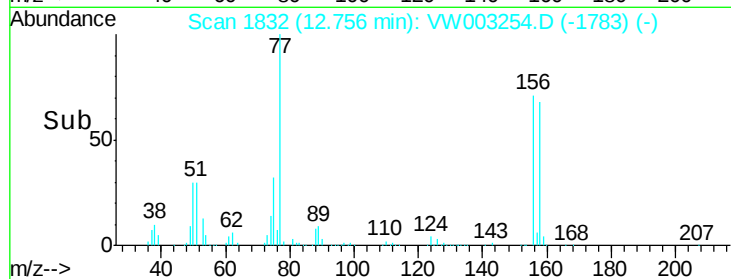
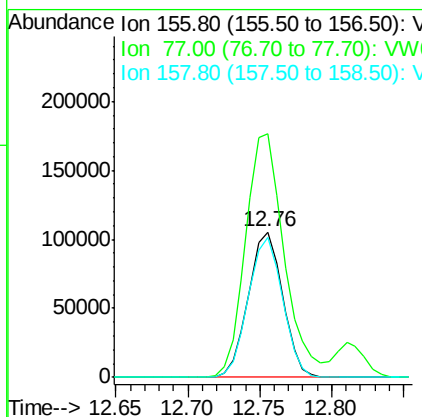
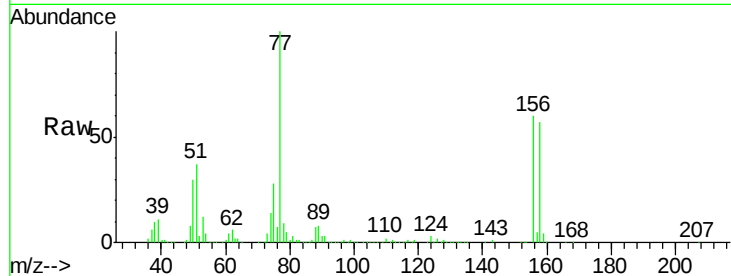
ClientSampleId :

ICVW061318

Tgt Ion	Ratio	Lower	Upper
156	100		
77	188.0	92.3	276.9
158	96.3	47.5	142.6

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#78

n-propylbenzene

Concen: 49.268 ug/l

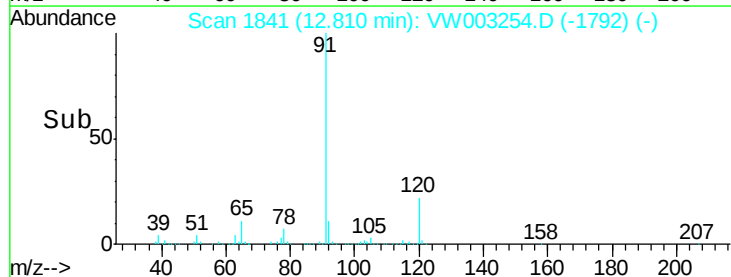
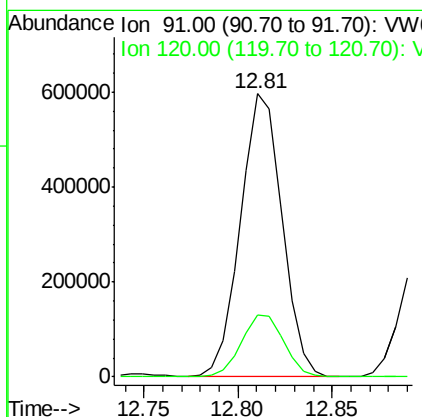
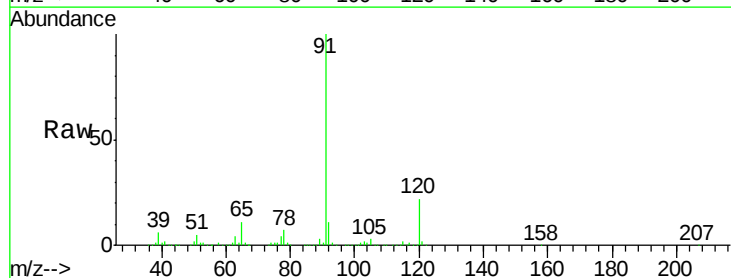
RT: 12.81 min Scan# 1841

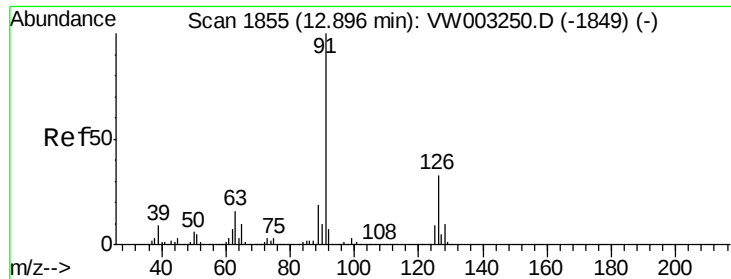
Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.3	33.8





#79

2-Chlorotoluene

Concen: 49.041 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion: 91 Resp: 514678

Ion Ratio Lower Upper

91 100

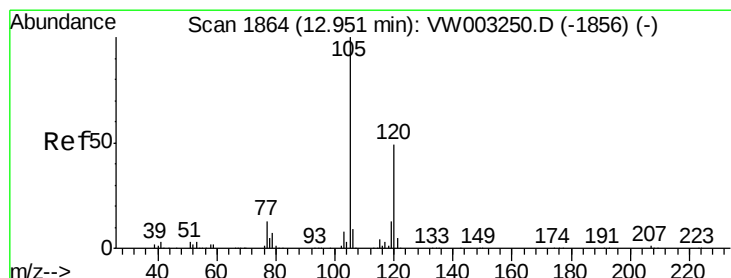
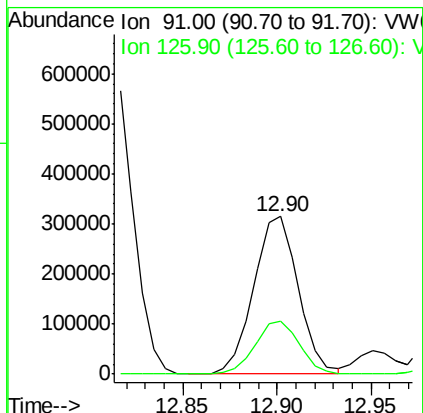
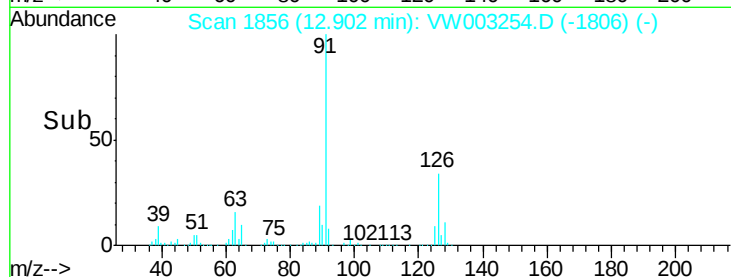
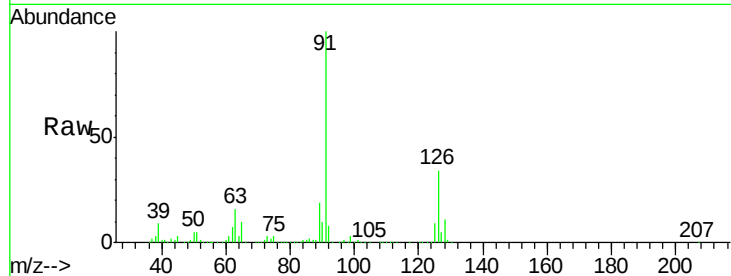
126 33.7 16.8 50.4

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.948 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003254.D

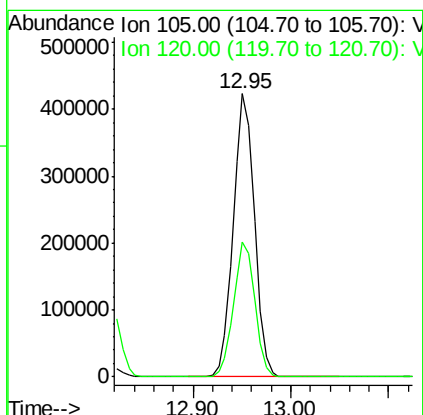
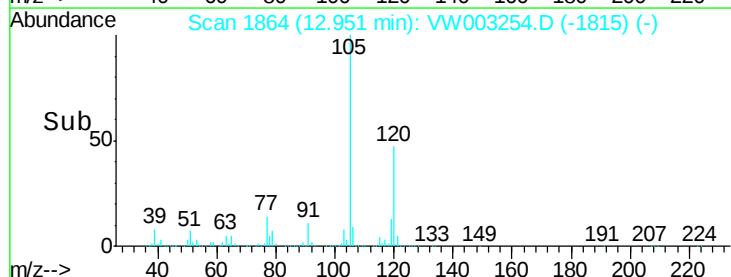
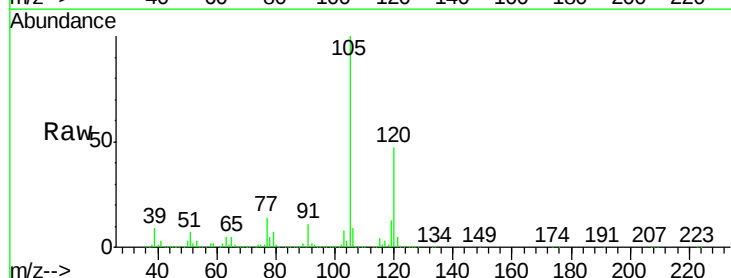
Acq: 13 Jun 2018 19:33

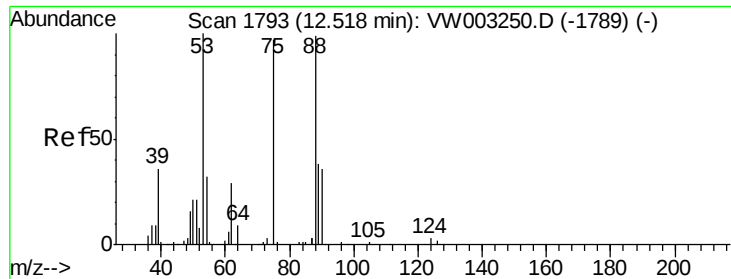
Tgt Ion: 105 Resp: 635840

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.9





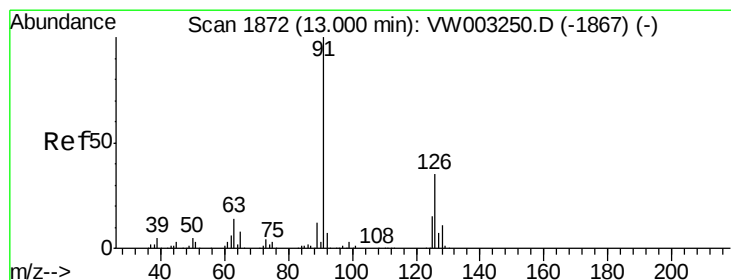
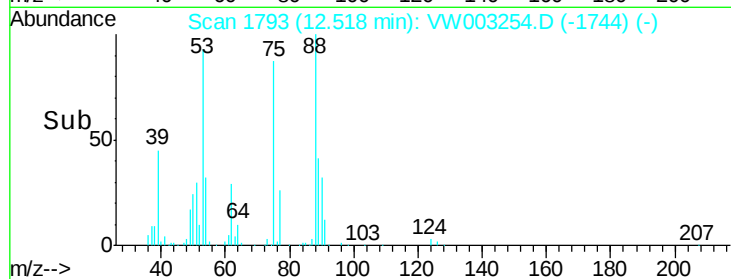
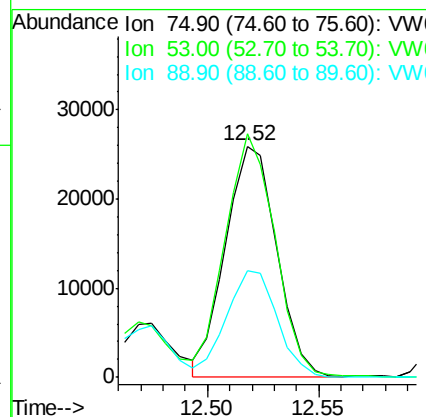
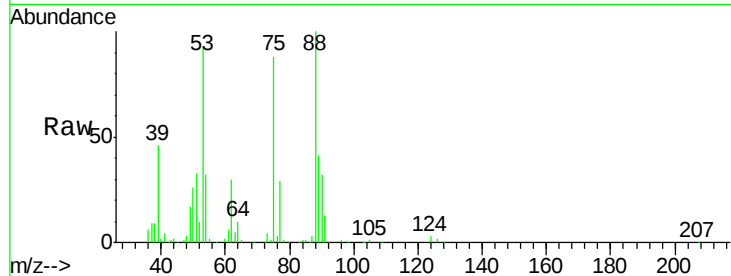
#81
trans-1,4-Dichloro-2-butene
Concen: 50.898 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.3	82.9	124.3
89	46.4	36.7	55.1

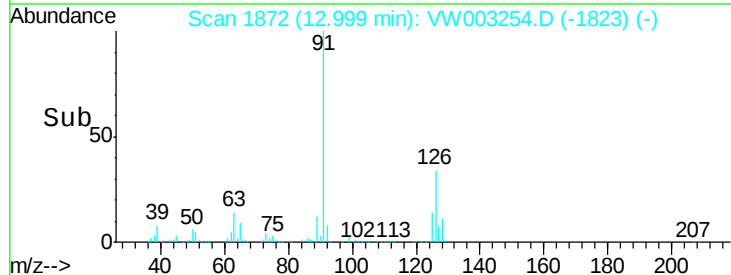
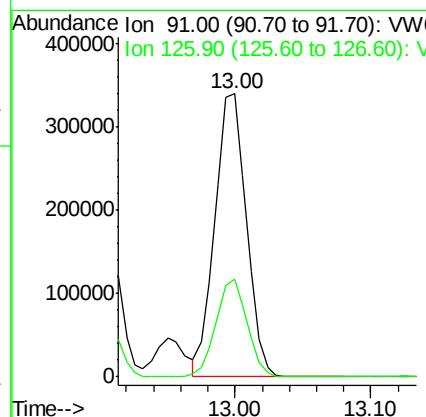
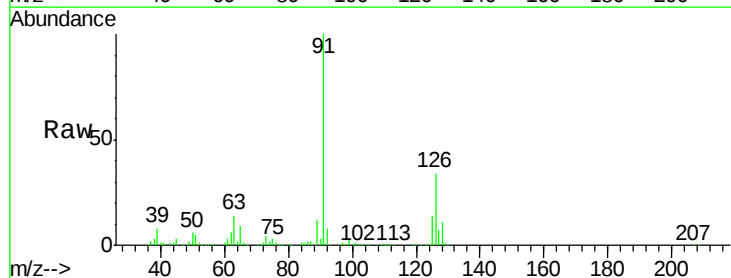
Manual Integrations
APPROVED

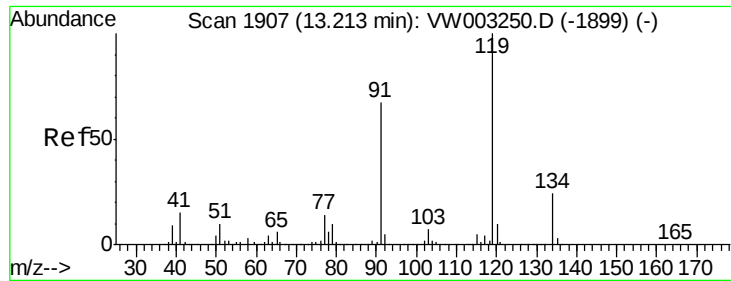
apatel
6/14/2018 10:03:40 AM



#82
4-Chlorotoluene
Concen: 48.957 ug/l
RT: 13.00 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.8	50.3





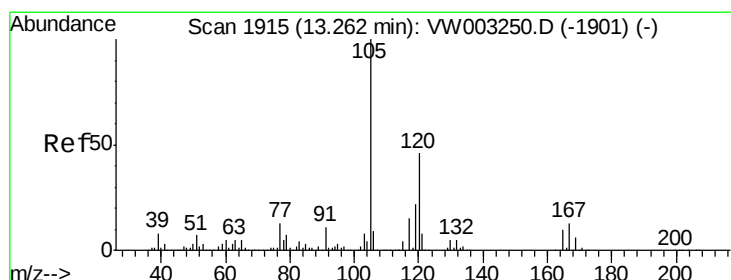
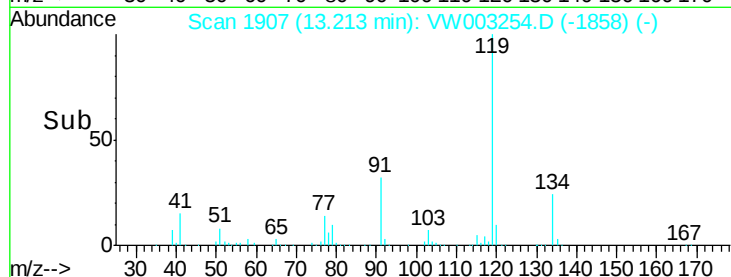
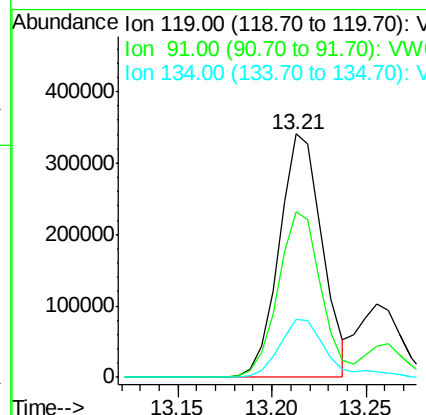
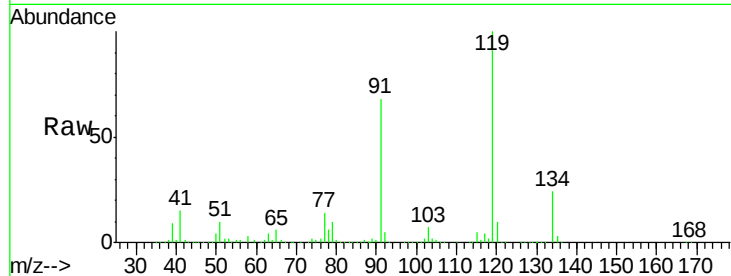
#83
tert-Butylbenzene
Concen: 49.682 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	538994		
91	68.2	33.9	101.7	
134	26.4	13.4	40.1	

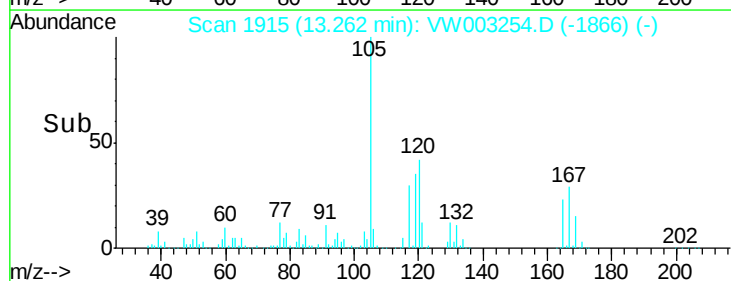
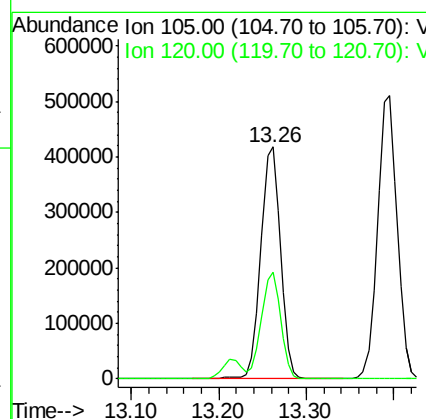
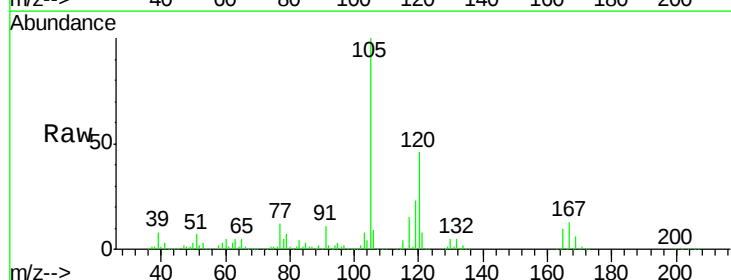
Manual Integrations
APPROVED

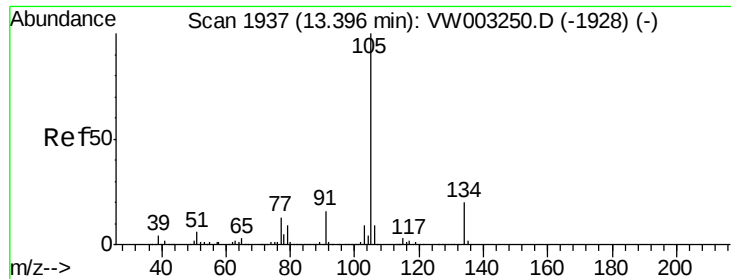
apatel
6/14/2018 10:03:40 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.853 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	652825		
120	44.9	22.5	67.5	





#85

sec-Butylbenzene

Concen: 49.232 ug/l

RT: 13.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

ClientSampleId :

ICVW061318

Tgt Ion:105 Resp: 793904

Ion Ratio Lower Upper

105 100

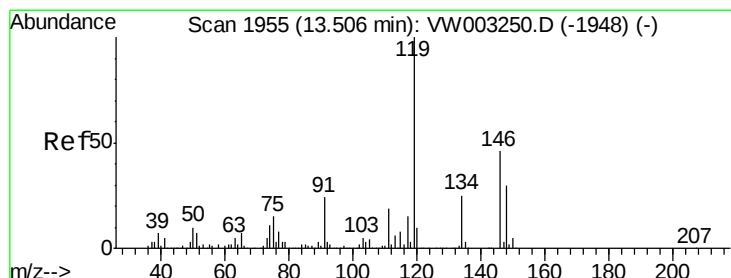
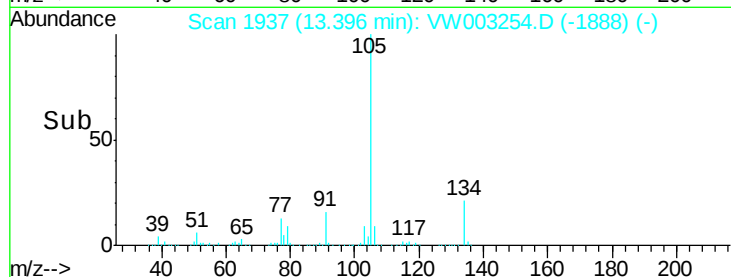
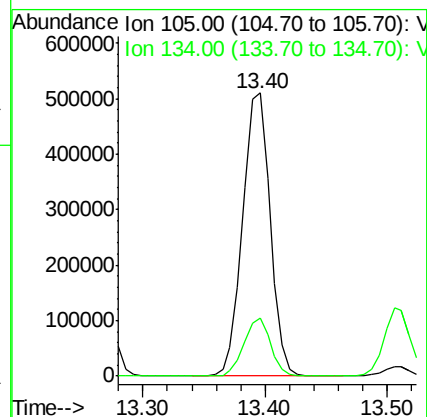
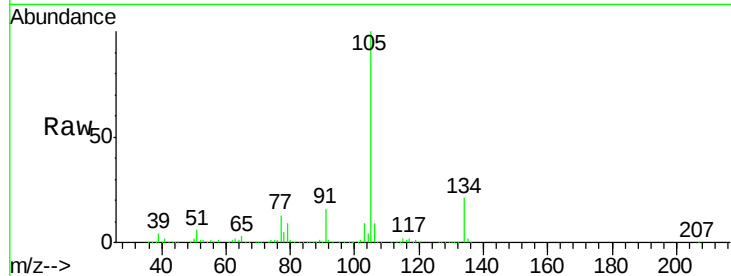
134 19.9 9.8 29.5

Manual Integrations

APPROVED

apatel

6/14/2018 10:03:40 AM



#86

p-Isopropyltoluene

Concen: 49.287 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

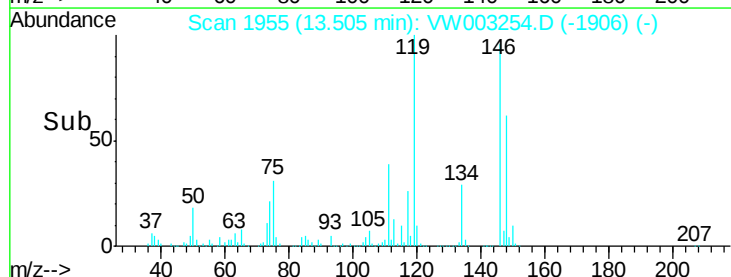
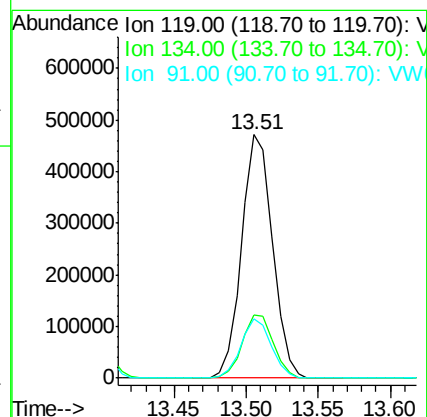
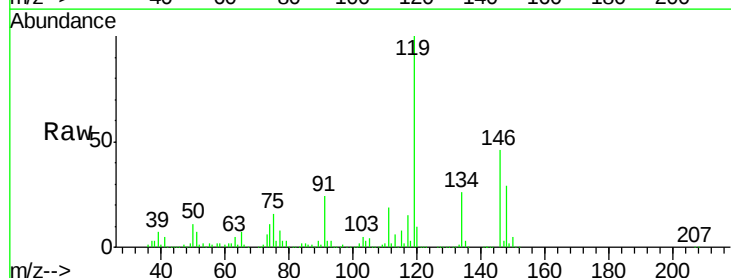
Tgt Ion:119 Resp: 701011

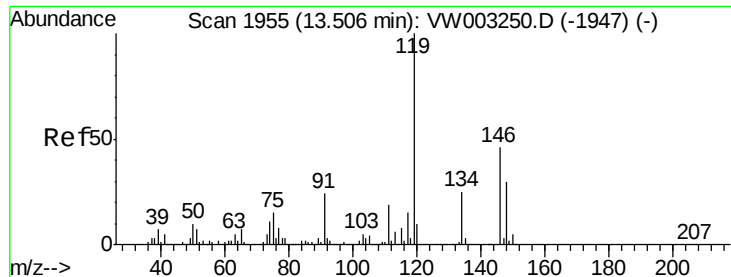
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 23.9 11.8 35.3





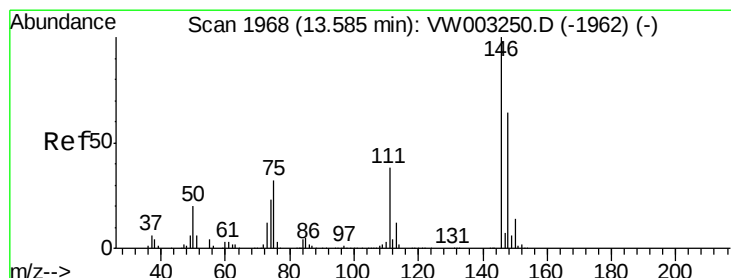
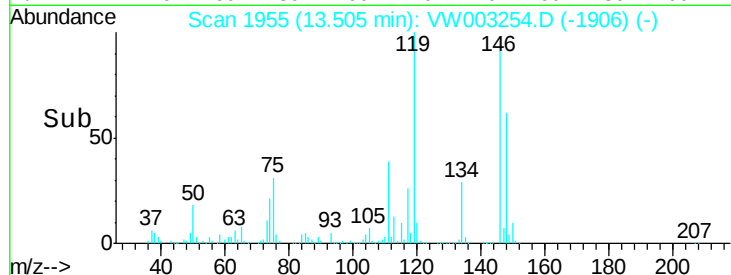
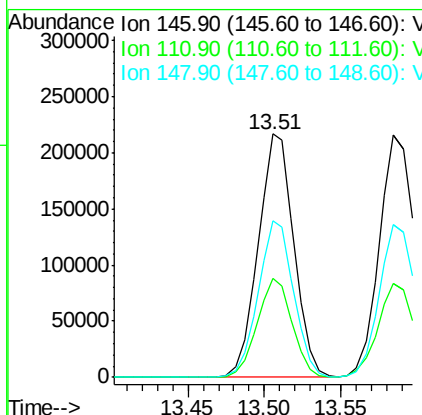
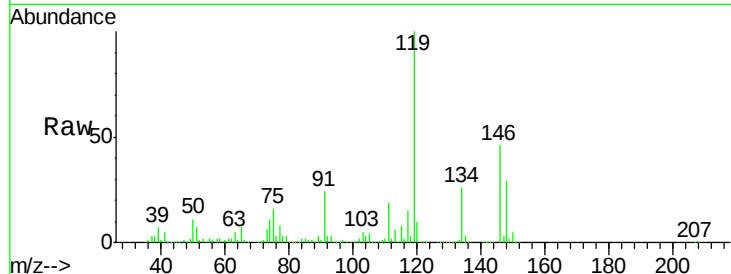
#87
 1,3-Dichlorobenzene
 Concen: 48.428 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	351390		
111	39.9	19.8	59.4	
148	63.8	32.1	96.5	

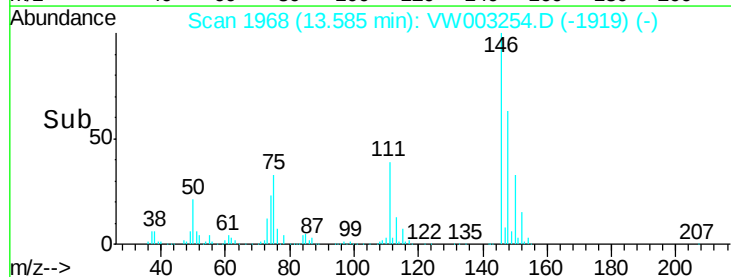
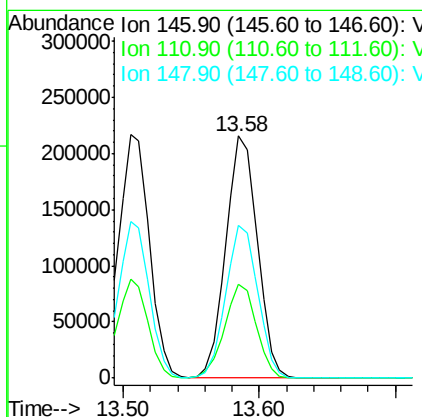
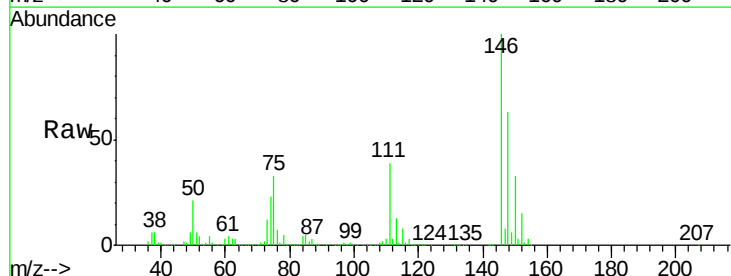
Manual Integrations
 APPROVED

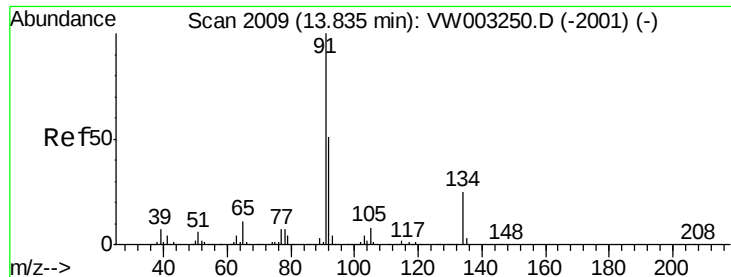
apatel
 6/14/2018 10:03:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.361 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	348849		
111	39.0	19.2	57.6	
148	63.8	31.8	95.4	





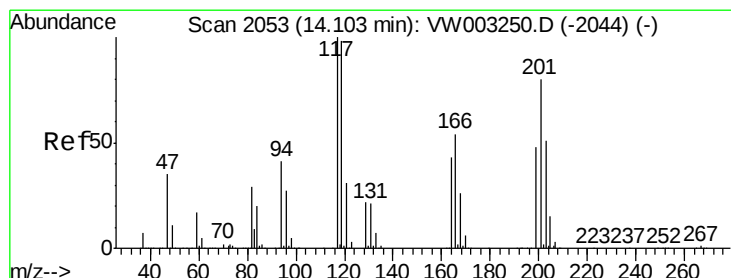
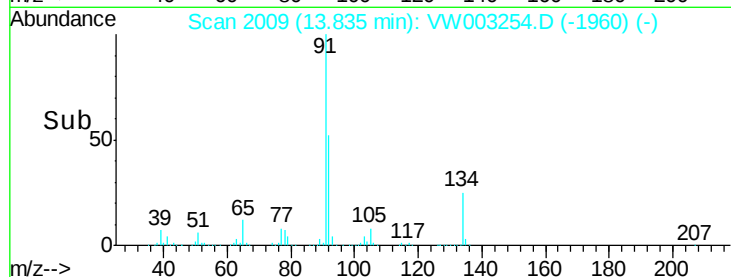
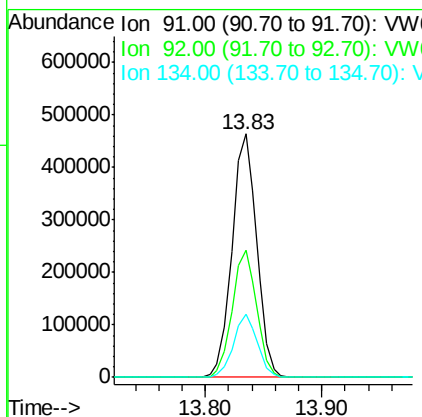
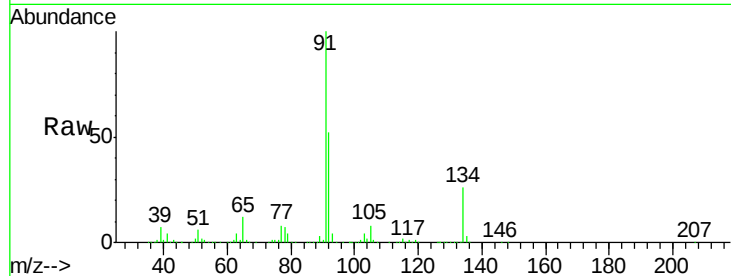
#89
n-Butylbenzene
Concen: 49.312 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.0	78.0
134	25.1	12.7	38.0

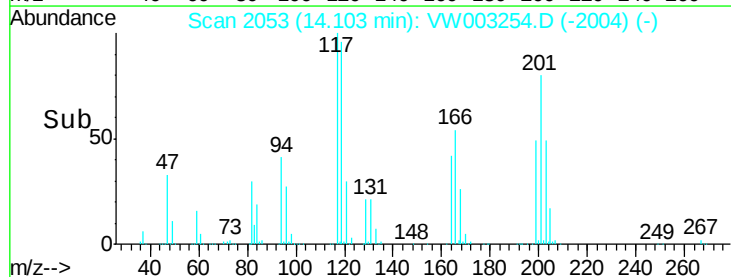
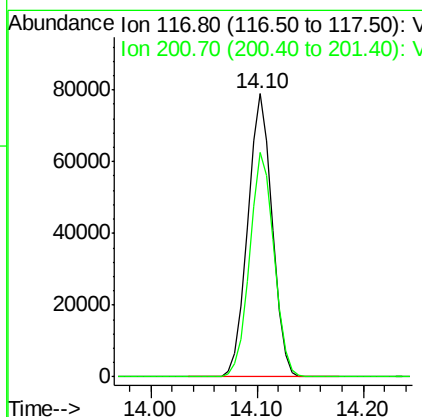
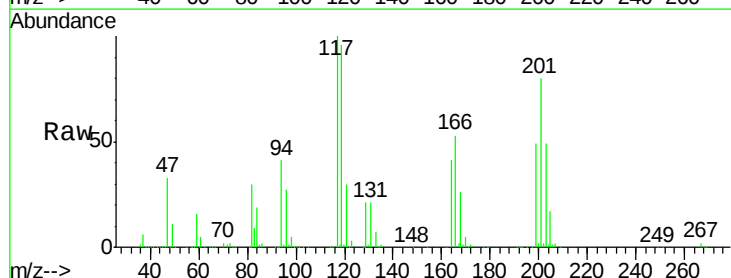
Manual Integrations
APPROVED

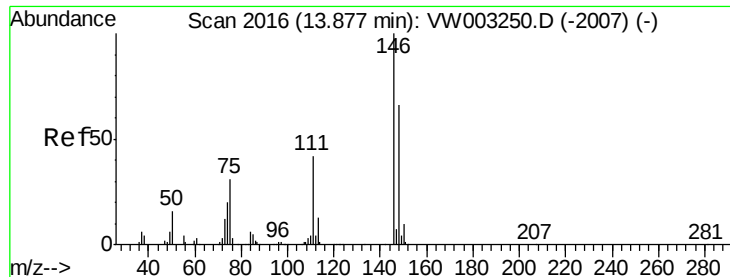
apatel
6/14/2018 10:03:40 AM



#90
Hexachloroethane
Concen: 49.511 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	39.5	118.5





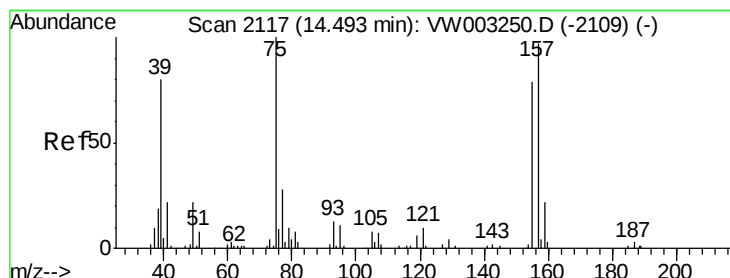
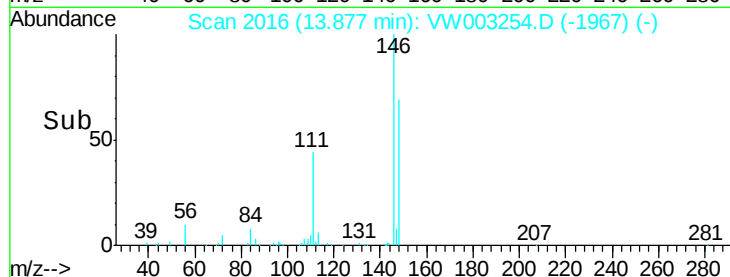
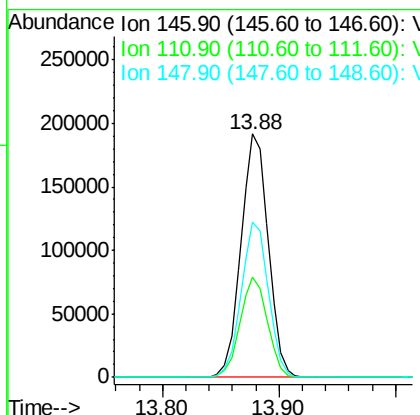
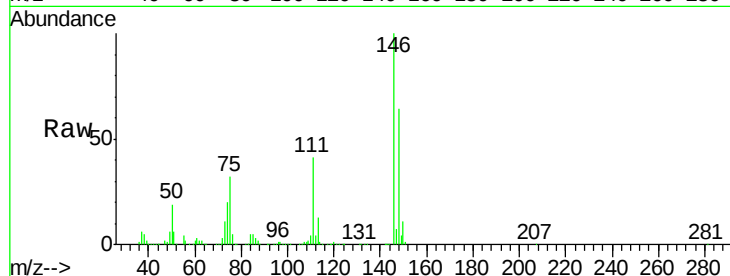
#91
 1,2-Dichlorobenzene
 Concen: 49.217 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	312821		
111	41.1	20.3	61.0	
148	63.6	32.3	96.9	

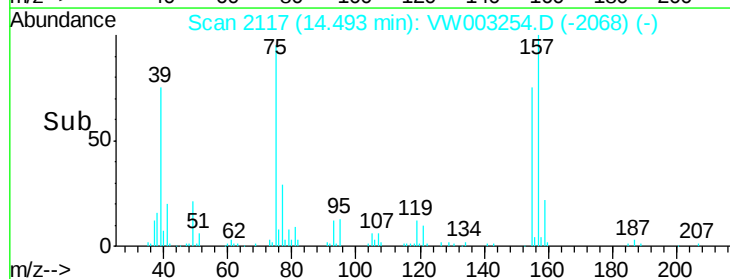
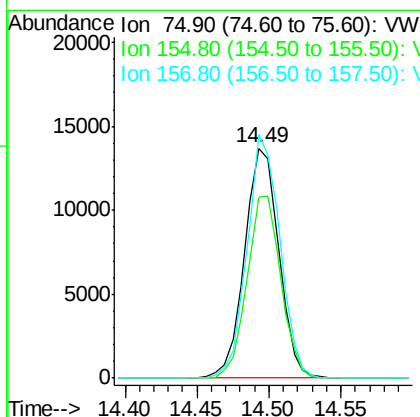
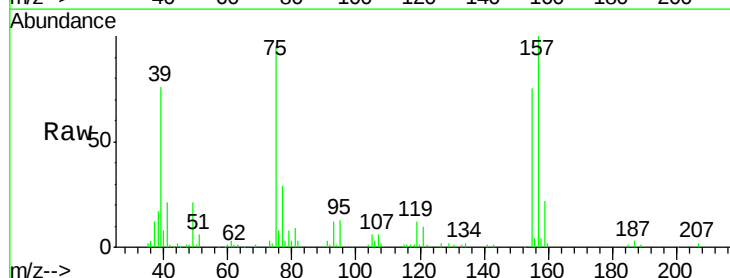
Manual Integrations
 APPROVED

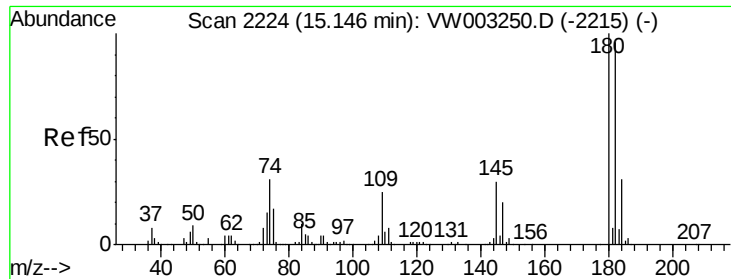
apatel
 6/14/2018 10:03:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.875 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003254.D
 Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22399		
155	78.1	39.4	118.2	
157	101.5	51.5	154.5	





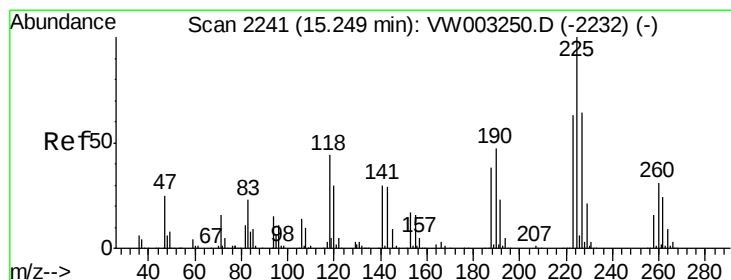
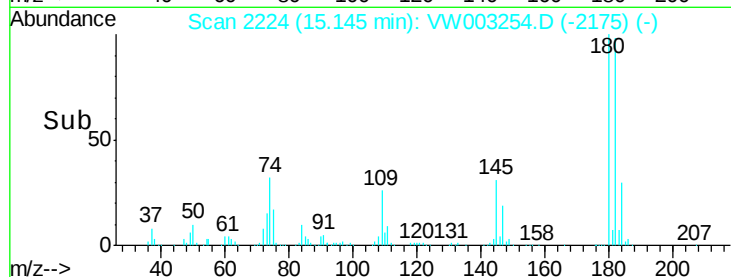
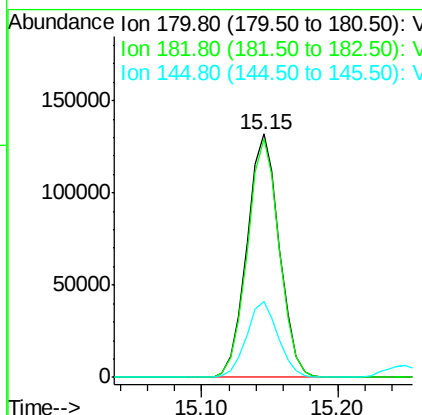
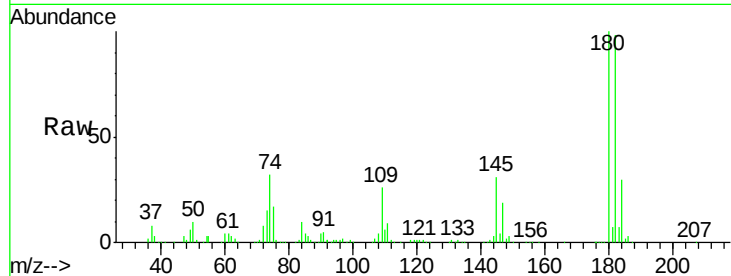
#93
1,2,4-Trichlorobenzene
Concen: 49.075 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Instrument :
MSVOA_W
ClientSampleId :
ICVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	218968		
182	96.5	47.9	143.6	
145	30.7	15.2	45.5	

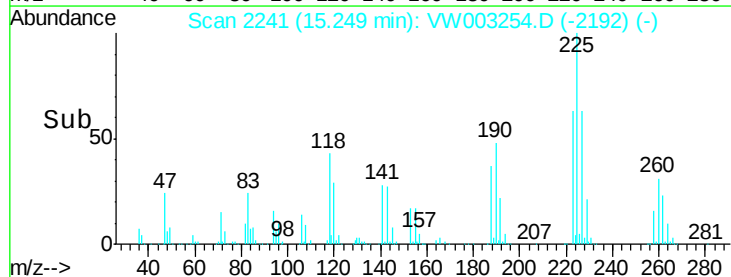
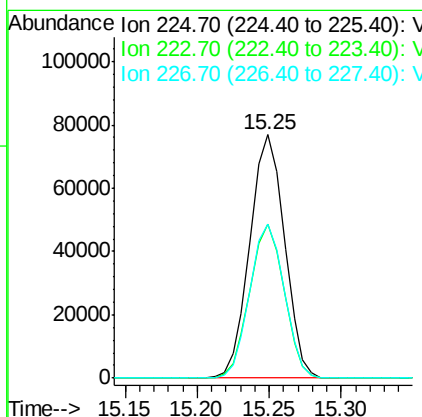
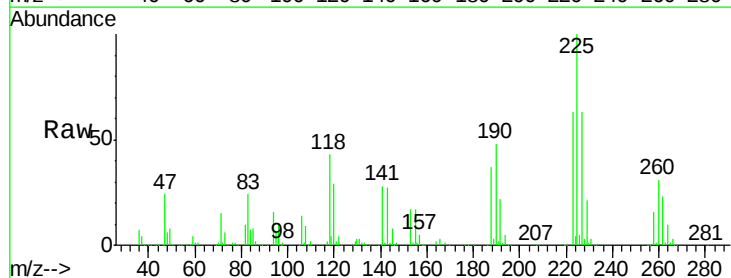
Manual Integrations
APPROVED

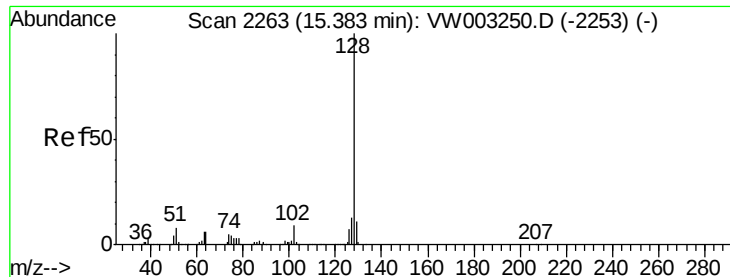
apatel
6/14/2018 10:03:40 AM



#94
Hexachlorobutadiene
Concen: 47.781 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW003254.D
Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	128244		
223	62.8	30.6	92.0	
227	63.0	31.7	95.1	





#95

Naphthalene

Concen: 52.476 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Instrument :

MSVOA_W

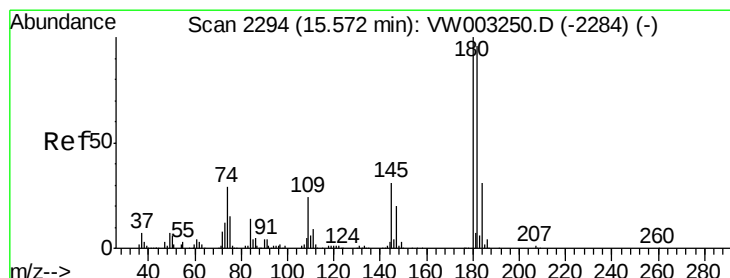
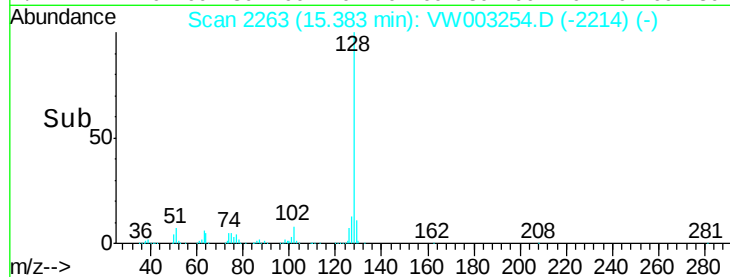
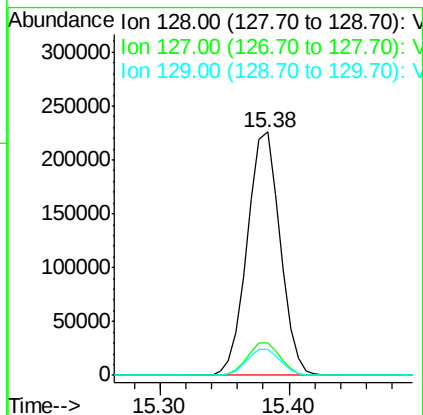
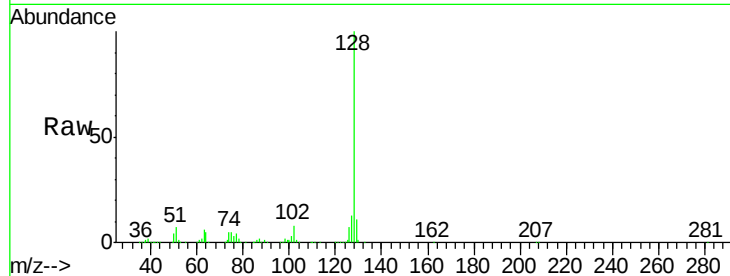
ClientSampleId :

ICVW061318

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	397183		
127	13.7	10.5	15.7	
129	11.0	8.9	13.3	

Manual Integrations
APPROVED

apatel
6/14/2018 10:03:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.775 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW003254.D

Acq: 13 Jun 2018 19:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	191561		
182	95.5	47.9	143.6	
145	32.2	15.8	47.4	

