

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004738.D
 Acq On : 17 Aug 2018 17:12
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:49 AM

Quant Time: Aug 18 01:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	723794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	1076290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	995870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	538093	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	348139	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
35) Dibromofluoromethane	7.88	113	350166	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
50) Toluene-d8	10.33	98	1377397	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
62) 4-Bromofluorobenzene	12.62	95	497240	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	224737	46.88	ug/l	100
3) Chloromethane	2.22	50	276605	44.13	ug/l	100
4) Vinyl Chloride	2.37	62	423427	45.89	ug/l	100
5) Bromomethane	2.78	94	259657	45.57	ug/l	100
6) Chloroethane	2.93	64	259222	46.56	ug/l	100
7) Trichlorofluoromethane	3.26	101	200502	46.13	ug/l	100
8) Diethyl Ether	3.67	74	186717	47.51	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	352627	47.11	ug/l	100
10) Methyl Iodide	4.27	142	543345	47.80	ug/l	100
11) Tert butyl alcohol	5.19	59	92443	234.62	ug/l	100
12) 1,1-Dichloroethene	4.03	96	350983	47.06	ug/l	100
13) Acrolein	3.89	56	121443	231.49	ug/l	100
14) Allyl chloride	4.66	41	550054	48.59	ug/l	100
15) Acrylonitrile	5.37	53	409594	248.51	ug/l	100
16) Acetone	4.12	43	419556	234.87	ug/l	100
17) Carbon Disulfide	4.37	76	1158172	47.25	ug/l	100
18) Methyl Acetate	4.67	43	190090	49.66	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	495473	51.17	ug/l	100
20) Methylene Chloride	4.92	84	390240	40.03	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	386297	48.68	ug/l	100
22) Diisopropyl ether	6.31	45	1098985	50.51	ug/l	100
23) Vinyl Acetate	6.26	43	3183461	258.69	ug/l	100
24) 1,1-Dichloroethane	6.21	63	679950	48.09	ug/l	100
25) 2-Butanone	7.18	43	627844	246.68	ug/l	100
26) 2,2-Dichloropropane	7.17	77	381884	46.76	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	419854	49.14	ug/l	100
28) Bromochloromethane	7.51	49	304431	51.13	ug/l	100
29) Tetrahydrofuran	7.53	42	332079	255.87	ug/l	100
30) Chloroform	7.68	83	667840	48.03	ug/l	100
31) Cyclohexane	7.96	56	646646	47.29	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	530495	48.13	ug/l	100
36) 1,1-Dichloropropene	8.08	75	545457	49.19	ug/l	100
37) Ethyl Acetate	7.26	43	225891	51.11	ug/l	100
38) Carbon Tetrachloride	8.07	117	498777	48.87	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004738.D
 Acq On : 17 Aug 2018 17:12
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:49 AM

Quant Time: Aug 18 01:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	710198	51.22	ug/l	100
40) Benzene	8.32	78	1585139	49.19	ug/l	100
41) Methacrylonitrile	7.49	41	132124	52.67	ug/l	100
42) 1,2-Dichloroethane	8.40	62	405096	49.03	ug/l	100
43) Isopropyl Acetate	8.43	43	398282	50.17	ug/l	100
44) Trichloroethene	9.09	130	399673	48.86	ug/l	100
45) 1,2-Dichloropropane	9.37	63	386235	49.00	ug/l	100
46) Dibromomethane	9.46	93	191878	49.14	ug/l	100
47) Bromodichloromethane	9.65	83	462978	49.65	ug/l	100
48) Methyl methacrylate	9.44	41	191164	51.32	ug/l	100
49) 1,4-Dioxane	9.46	88	58290	1021.74	ug/l	100
51) 4-Methyl-2-Pentanone	10.21	43	1381428	257.46	ug/l	100
52) Toluene	10.39	92	959746	49.66	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	470516	50.08	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	559231	49.93	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	272297	49.06	ug/l	100
56) Ethyl methacrylate	10.65	69	345989	52.77	ug/l	100
57) 1,3-Dichloropropane	10.93	76	471057	49.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	791831	258.31	ug/l	100
59) 2-Hexanone	10.98	43	946266	260.28	ug/l	100
60) Dibromochloromethane	11.13	129	311519	50.02	ug/l	100
61) 1,2-Dibromoethane	11.24	107	261358	49.26	ug/l	100
64) Tetrachloroethene	10.87	164	334232	49.11	ug/l	100
65) Chlorobenzene	11.66	112	1052497	49.10	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	356025	49.19	ug/l	100
67) Ethyl Benzene	11.74	91	1855837	51.07	ug/l	100
68) m/p-Xylenes	11.85	106	1449238	102.51	ug/l	100
69) o-Xylene	12.17	106	673509	51.46	ug/l	100
70) Styrene	12.19	104	1148906	52.26	ug/l	100
71) Bromoform	12.35	173	192382	50.36	ug/l #	100
73) Isopropylbenzene	12.47	105	1878076	51.30	ug/l	100
74) N-amyl acetate	12.28	43	387615	50.51	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	332654	49.05	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	218789m	27.45	ug/l	
77) Bromobenzene	12.75	156	434636	49.05	ug/l	100
78) n-propylbenzene	12.81	91	2296739	51.41	ug/l	100
79) 2-Chlorotoluene	12.90	91	1286110	49.95	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1600419	51.46	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	103648	50.79	ug/l	100
82) 4-Chlorotoluene	12.99	91	1372066	50.15	ug/l	100
83) tert-Butylbenzene	13.21	119	1367455	51.41	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1651411	51.61	ug/l	100
85) sec-Butylbenzene	13.39	105	2041509	51.40	ug/l	100
86) p-Isopropyltoluene	13.51	119	1784903	51.65	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	880062	48.83	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	878376	48.76	ug/l	100
89) n-Butylbenzene	13.83	91	1720170	51.49	ug/l	100
90) Hexachloroethane	14.10	117	307040	48.75	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	795873	49.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	52312	49.36	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
Data File : VW004738.D
Acq On : 17 Aug 2018 17:12
Operator : SY/AP
Sample : VSTDICCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM

Quant Time: Aug 18 01:36:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:25:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	571604	49.92	ug/l	100
94) Hexachlorobutadiene	15.25	225	344183	48.97	ug/l	100
95) Naphthalene	15.38	128	1027627	51.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	507884	50.02	ug/l	100

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

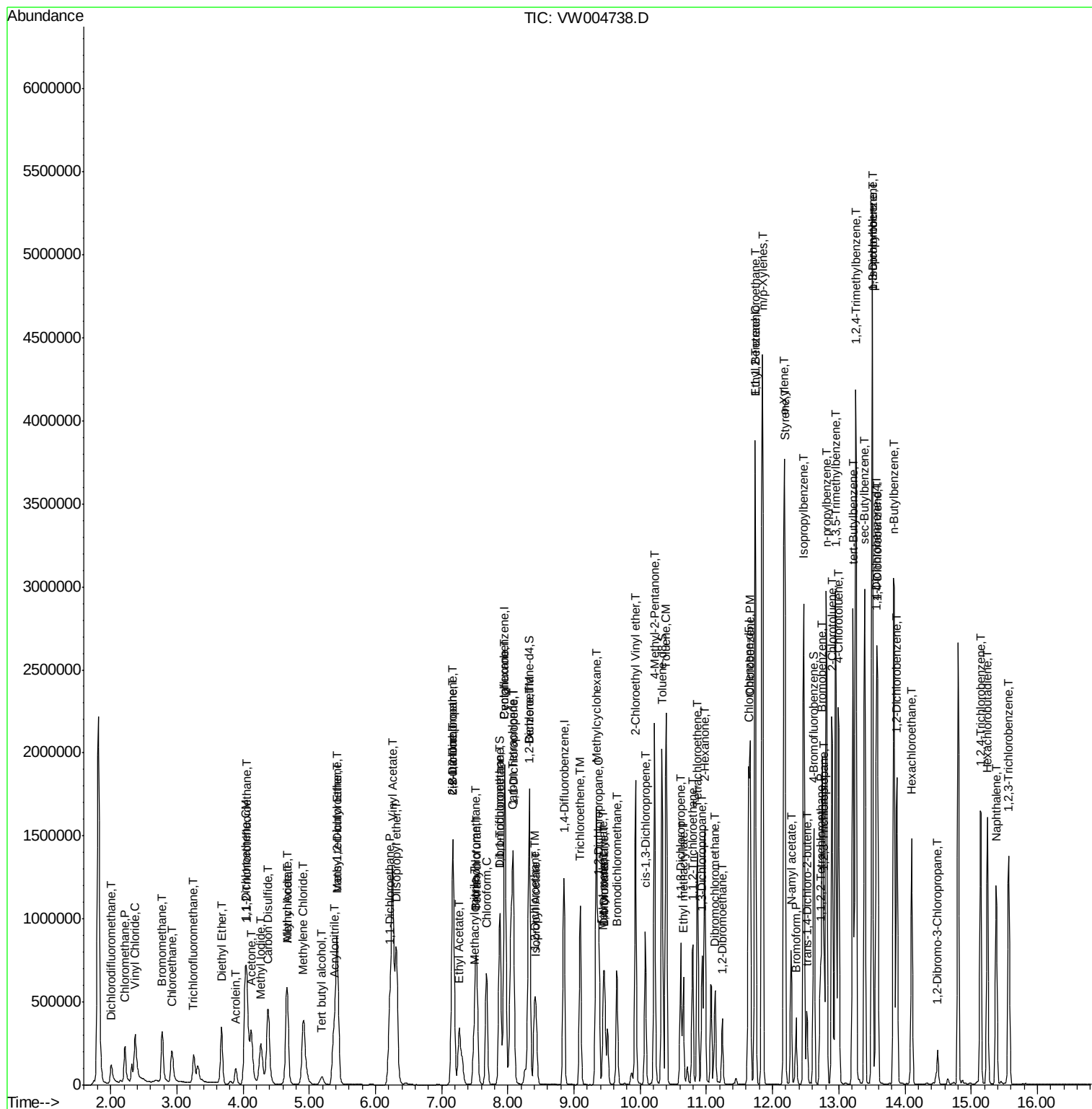
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004738.D
 Acq On : 17 Aug 2018 17:12
 Operator : SY/AP
 Sample : VSTDICCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

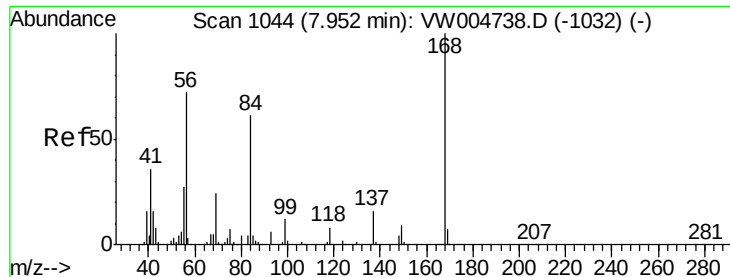
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 8/20/2018 9:53:49 AM

Quant Time: Aug 18 01:36:09 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:25:38 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 723794

Ion Ratio Lower Upper

168 100

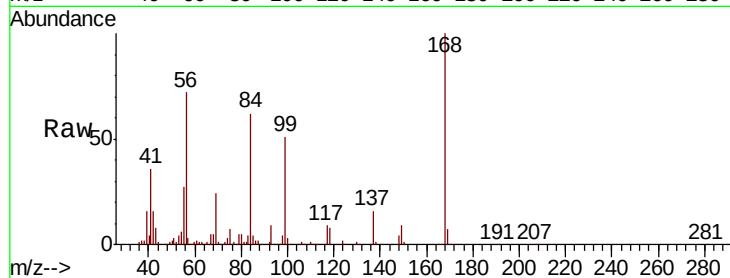
99 51.2 41.0 61.4

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

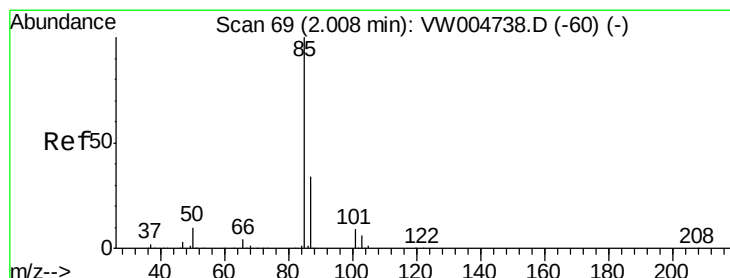
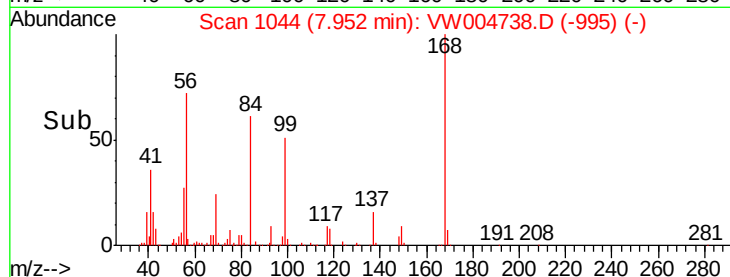
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.88 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004738.D

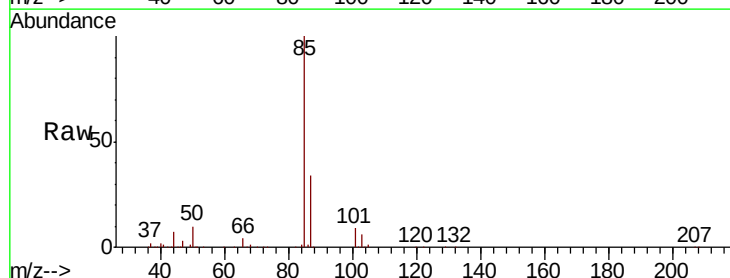
Acq: 17 Aug 2018 17:12

Tgt Ion: 85 Resp: 224737

Ion Ratio Lower Upper

85 100

87 33.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

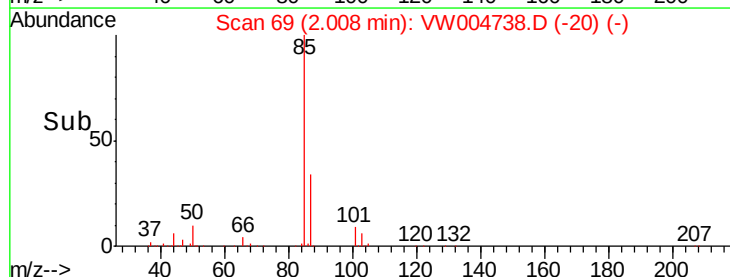
60000

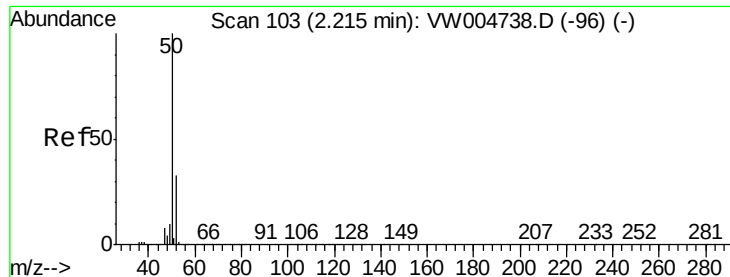
40000

20000

0

Time-->





#3

Chloromethane

Concen: 44.13 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 276605

Ion Ratio Lower Upper

50 100

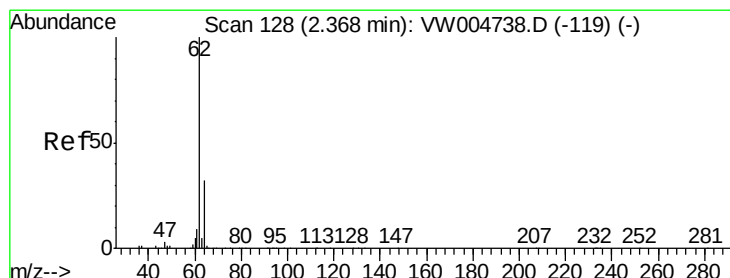
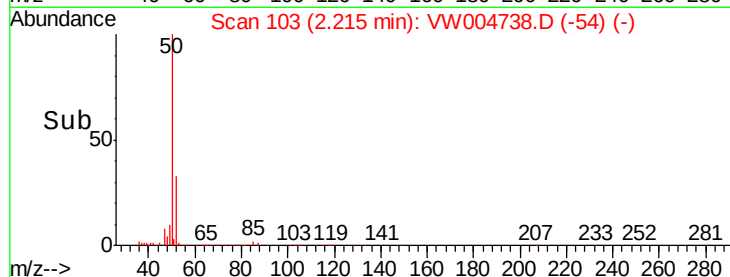
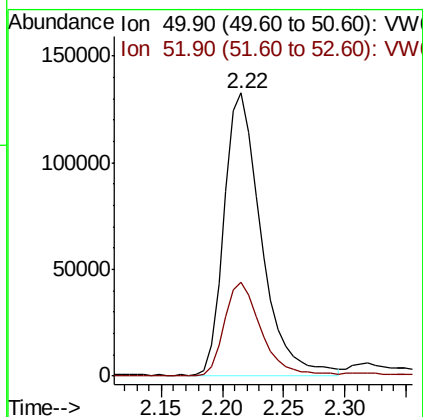
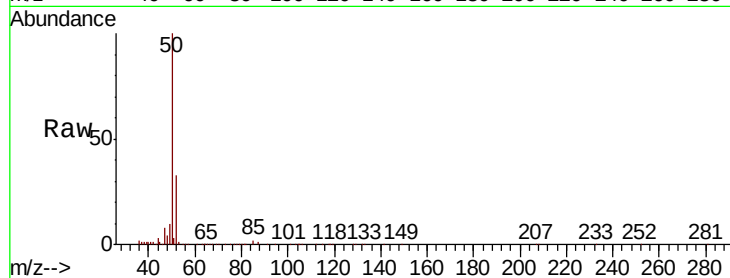
52 33.4 26.7 40.1

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



#4

Vinyl Chloride

Concen: 45.89 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004738.D

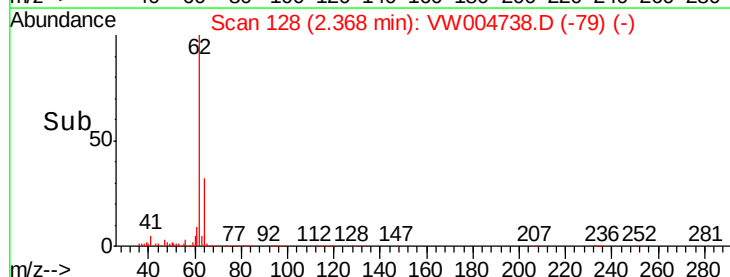
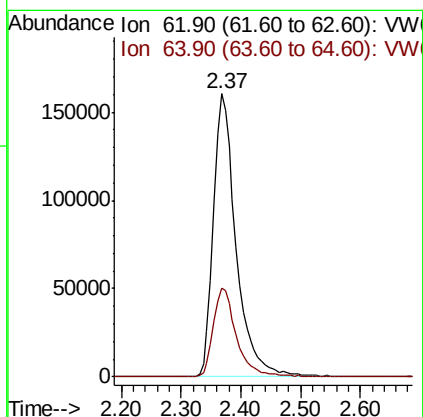
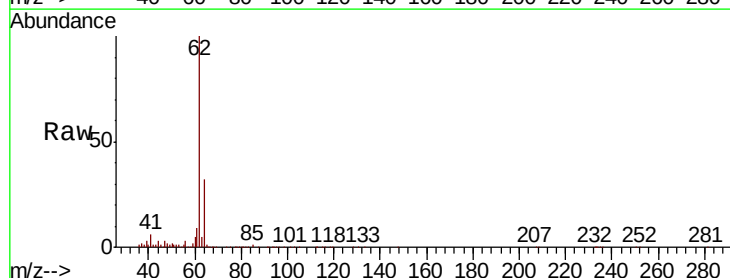
Acq: 17 Aug 2018 17:12

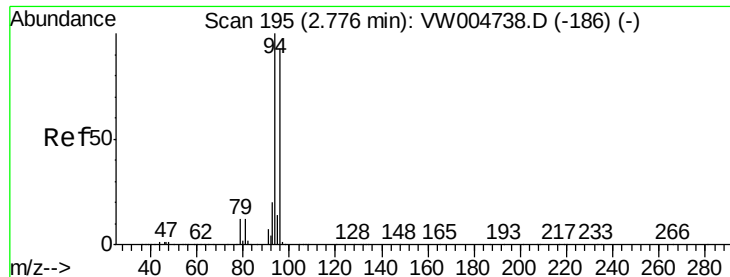
Tgt Ion: 62 Resp: 423427

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 45.57 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 259657

Ion Ratio Lower Upper

94 100

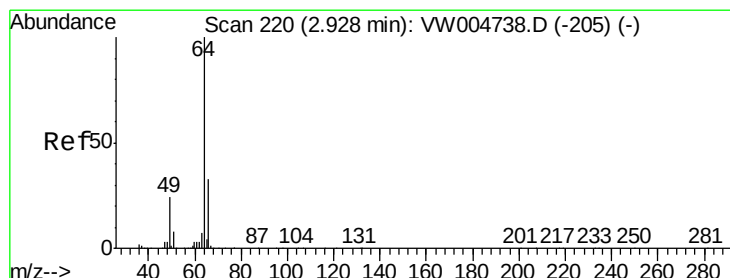
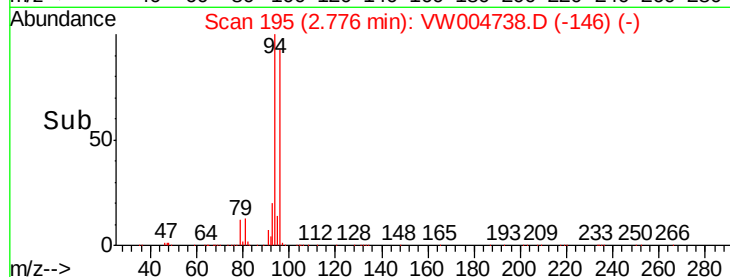
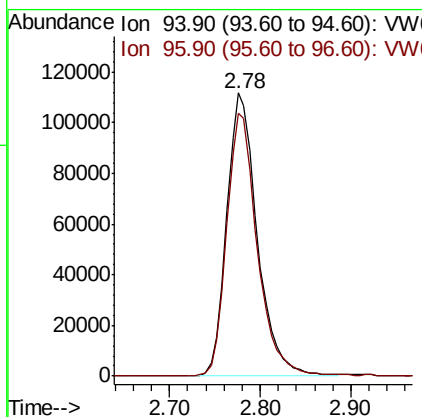
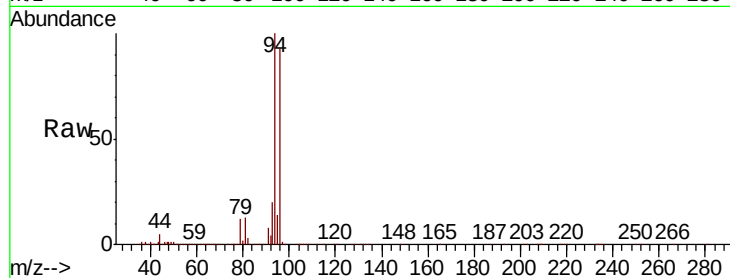
96 92.9 74.3 111.5

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



#6

Chloroethane

Concen: 46.56 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004738.D

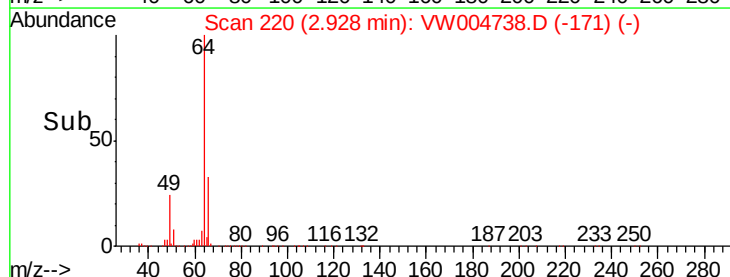
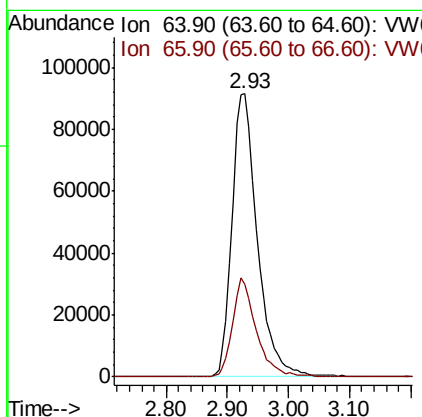
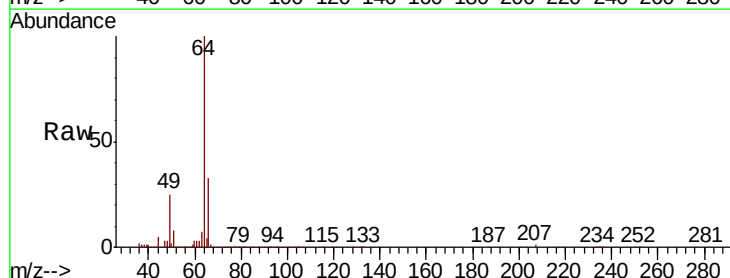
Acq: 17 Aug 2018 17:12

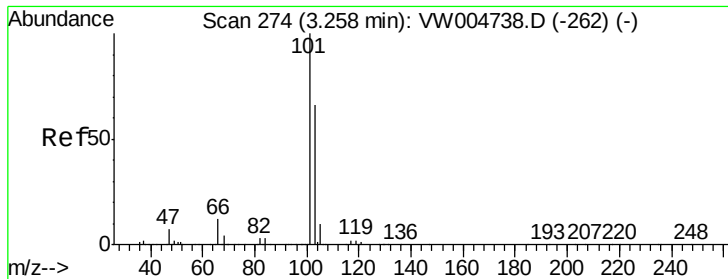
Tgt Ion: 64 Resp: 259222

Ion Ratio Lower Upper

64 100

66 32.6 26.1 39.1





#7

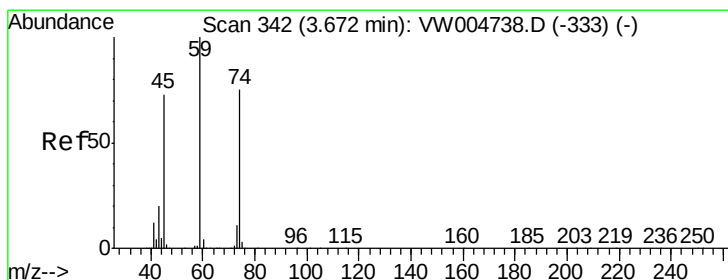
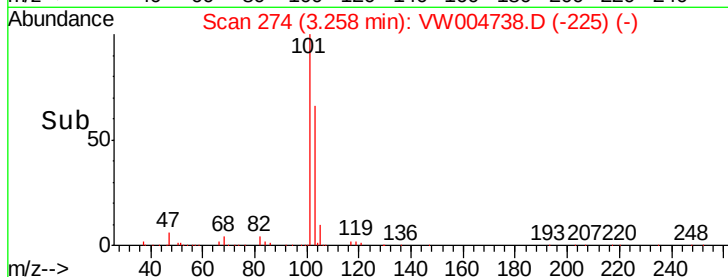
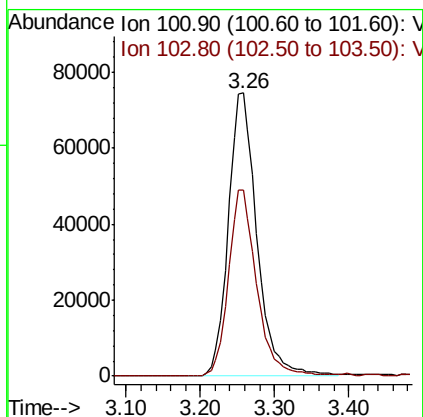
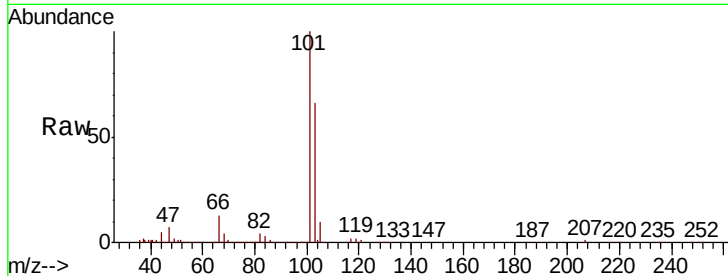
Trichlorofluoromethane
 Concen: 46.13 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	200502		
103	65.6	52.5	78.7	

Manual Integrations
 APPROVED

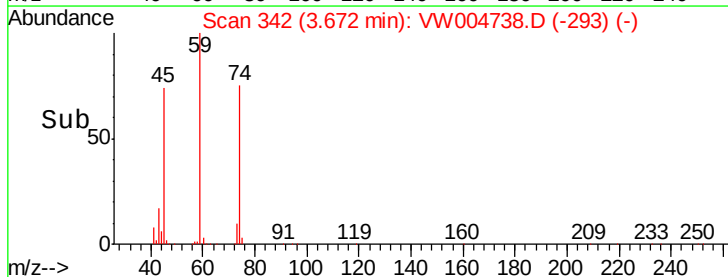
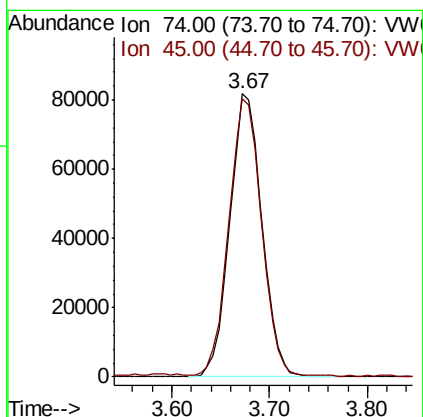
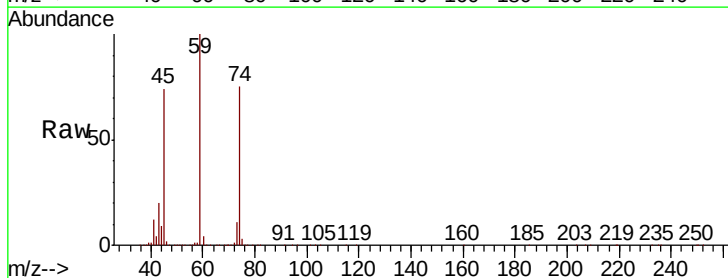
apatel
 8/20/2018 9:53:49 AM

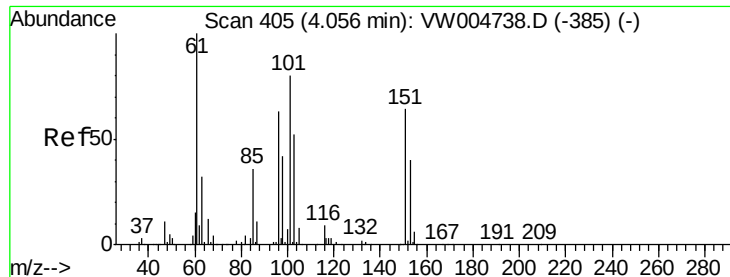


#8

Diethyl Ether
 Concen: 47.51 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	186717		
45	99.5	49.8	149.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.11 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

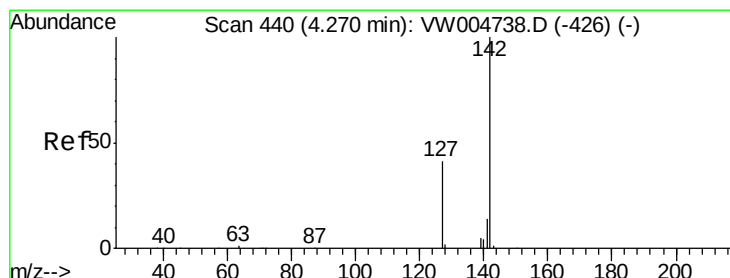
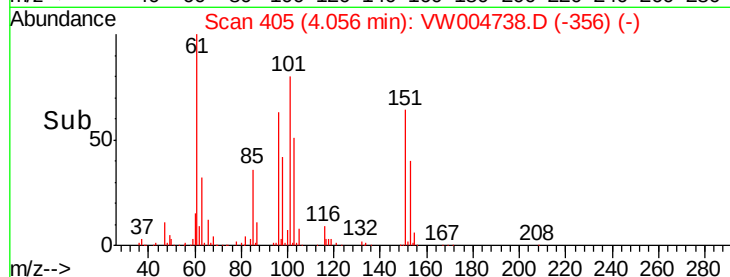
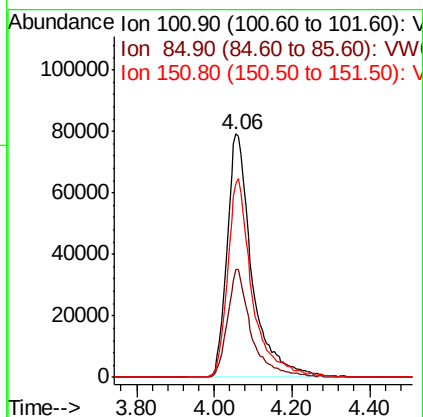
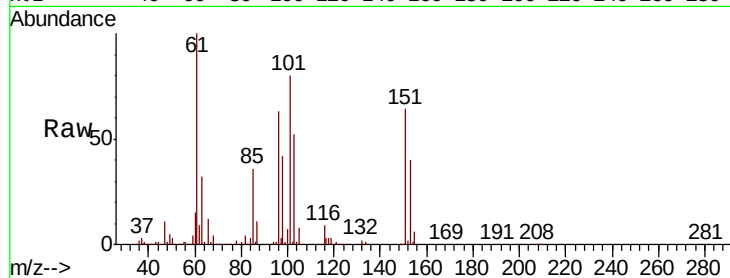
ClientSampled :

VSTDICCC050

Tot Ion:	101	Resp:	352627
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.9	50.9
151	79.3	63.4	95.2

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#10

Methyl Iodide

Concen: 47.80 ug/l

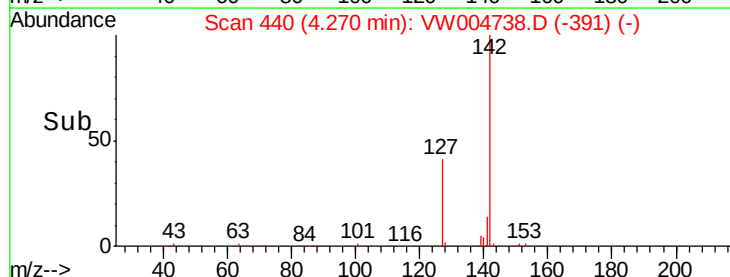
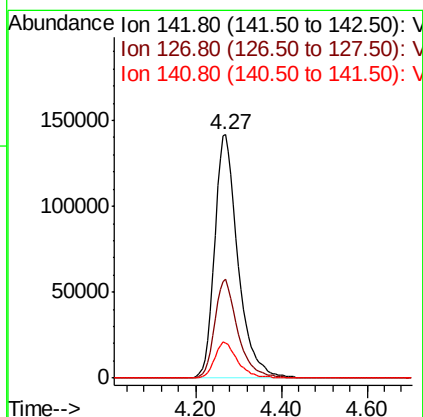
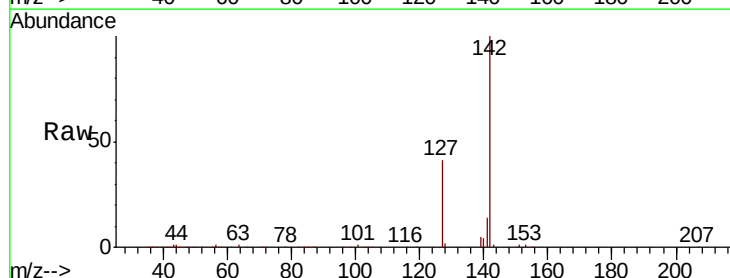
RT: 4.27 min Scan# 440

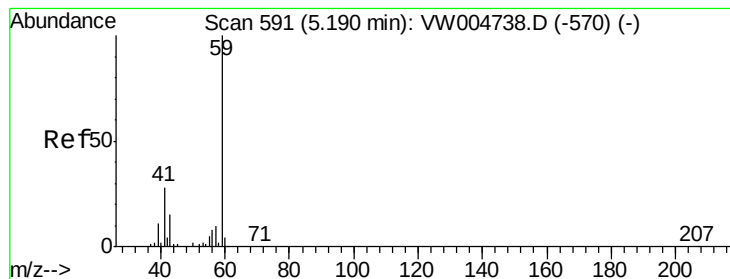
Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion:	142	Resp:	543345
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.6	11.7	17.5





#11

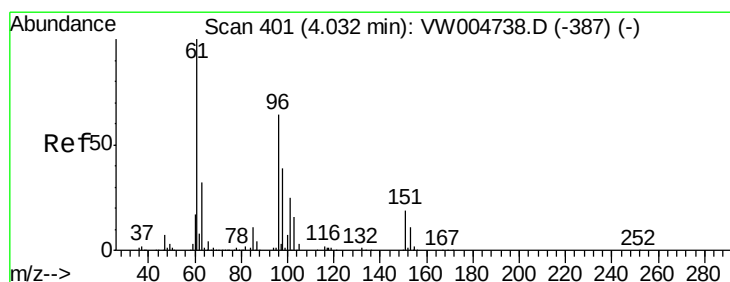
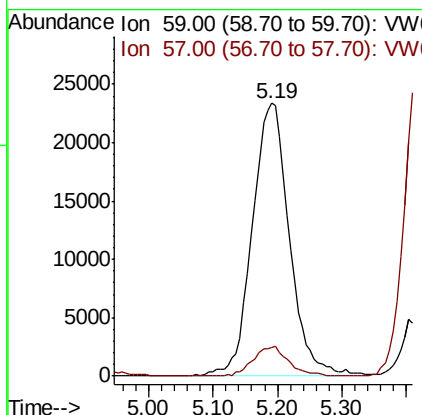
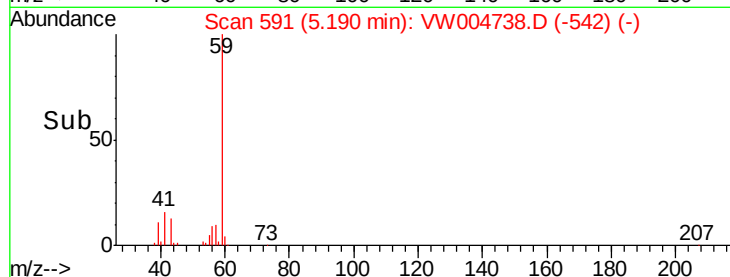
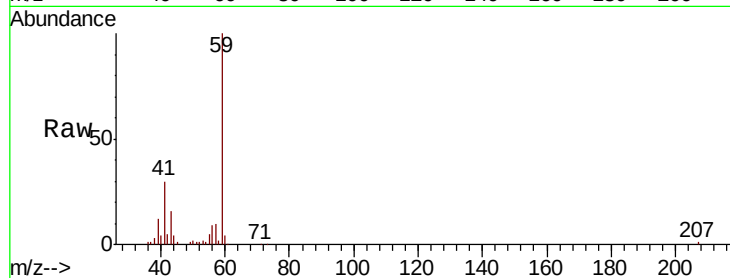
Tert butyl alcohol
 Concen: 234.62 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	92443
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

Manual Integrations
 APPROVED

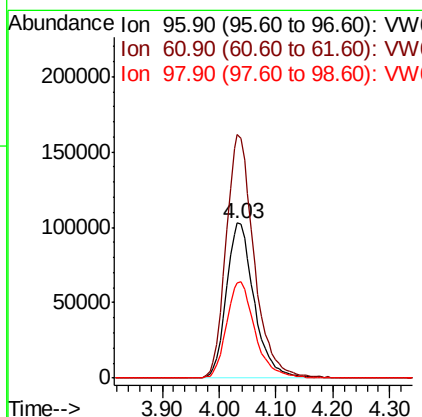
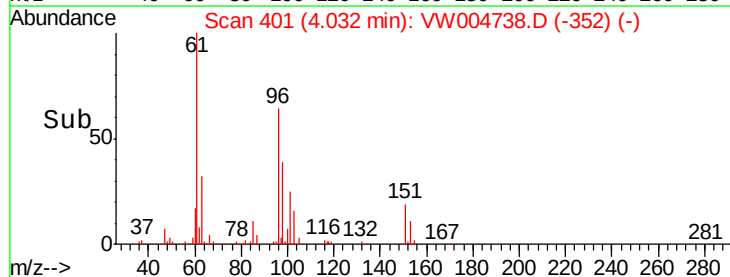
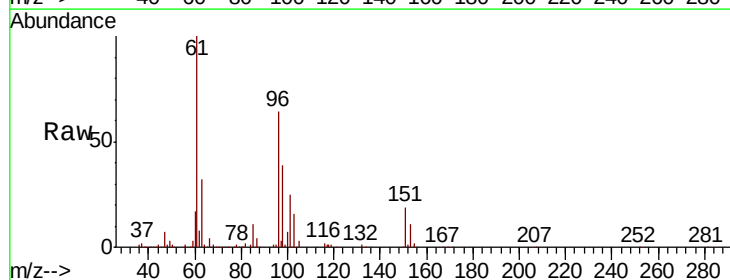
apatel
 8/20/2018 9:53:49 AM

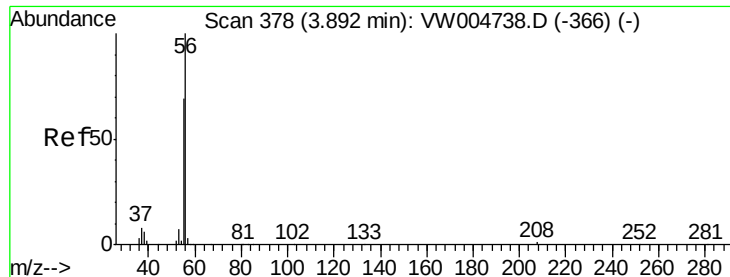


#12

1,1-Dichloroethene
 Concen: 47.06 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	96	Resp	350983
Ion Ratio	100	Lower	Upper
61	157.0	125.6	188.4
98	61.7	49.4	74.0





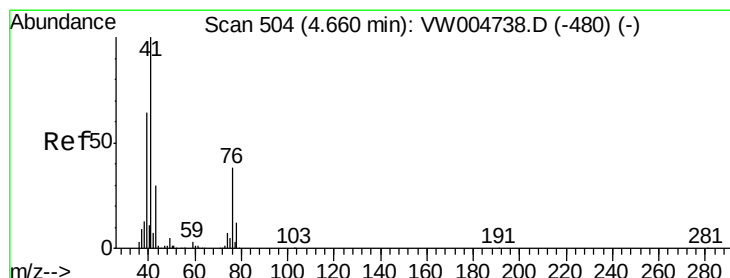
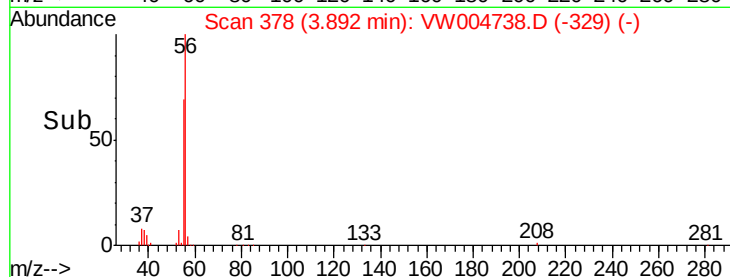
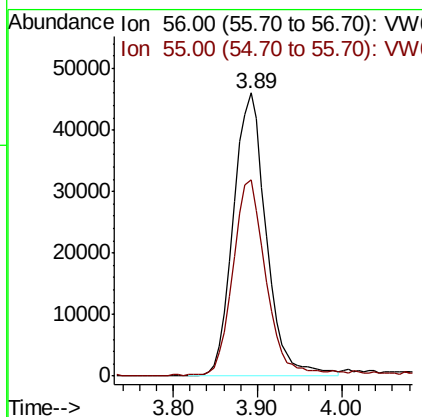
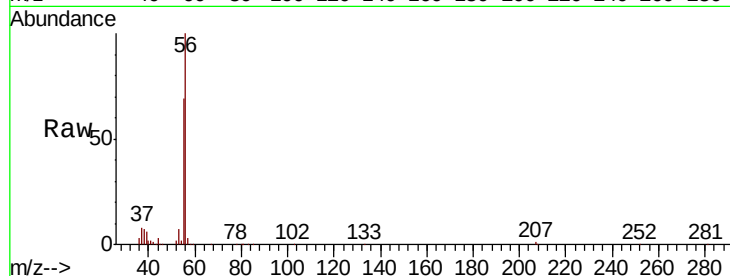
#13
Acrolein
Concen: 231.49 ug/l
RT: 3.89 min Scan# 378
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	56	Resp	121443
Ion Ratio	100	Lower	Upper
55	70.1	56.1	84.1

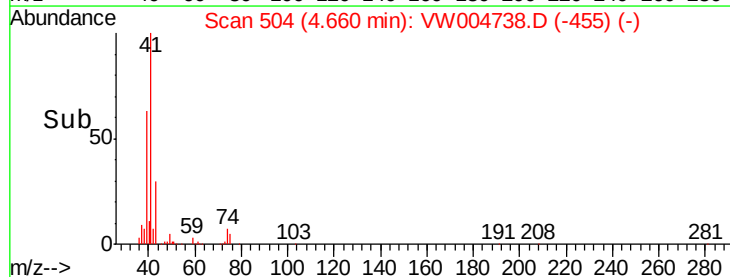
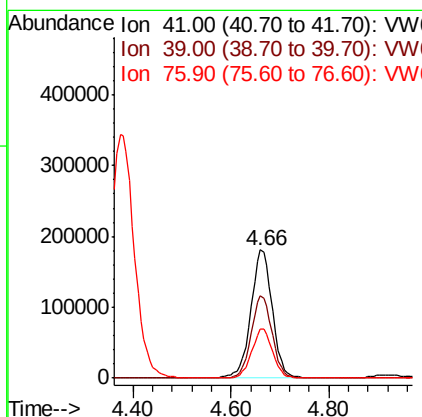
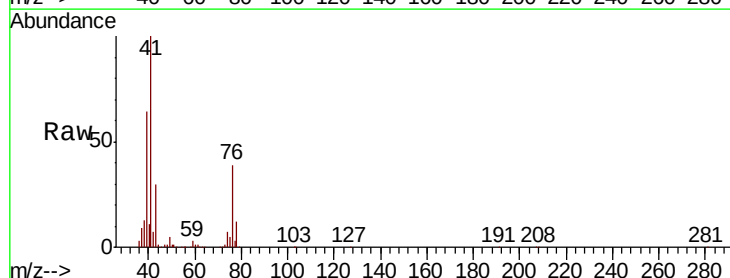
Manual Integrations
APPROVED

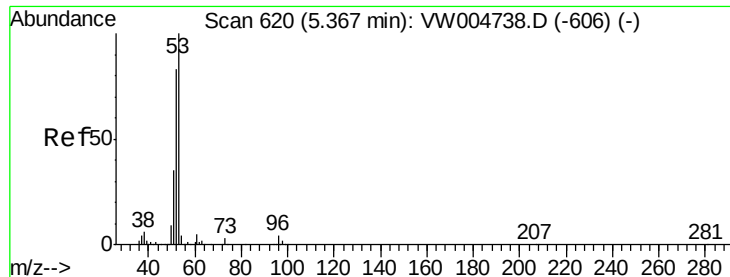
apatel
8/20/2018 9:53:49 AM



#14
Allyl chloride
Concen: 48.59 ug/l
RT: 4.66 min Scan# 504
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	41	Resp	550054
Ion Ratio	100	Lower	Upper
39	62.5	50.0	75.0
76	37.2	29.8	44.6





#15

Acrylonitrile

Concen: 248.51 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

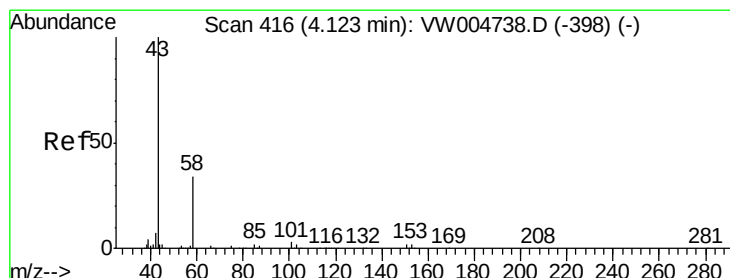
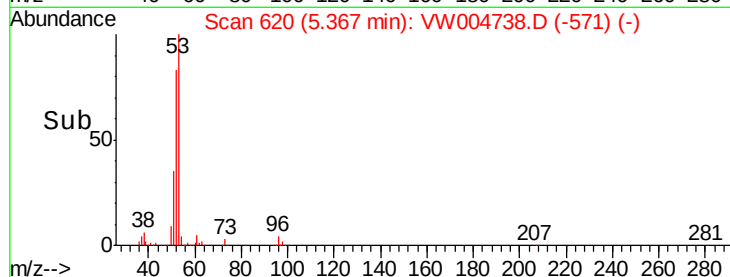
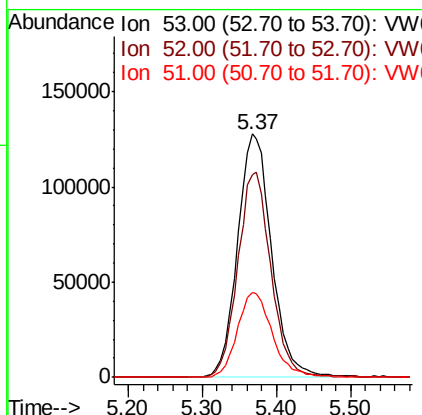
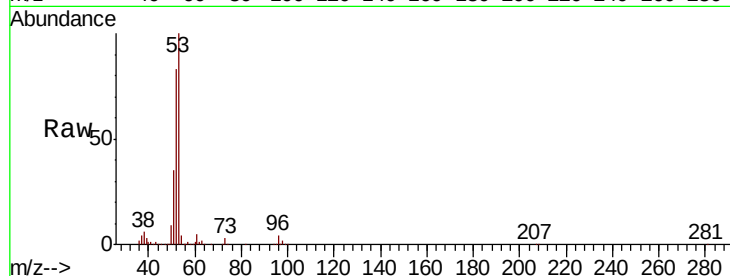
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	409594
Ion Ratio	Lower	Upper	
53	100		
52	82.2	65.8	98.6
51	35.9	28.7	43.1

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#16

Acetone

Concen: 234.87 ug/l

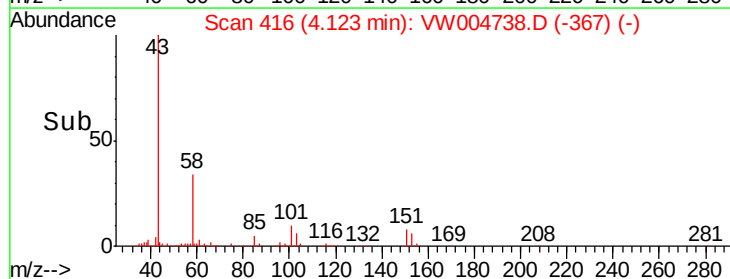
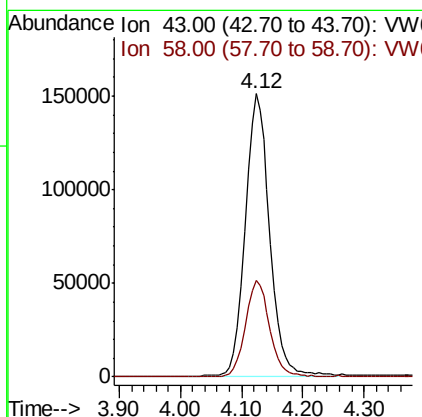
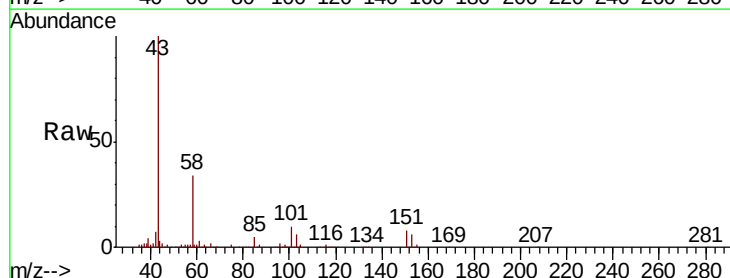
RT: 4.12 min Scan# 416

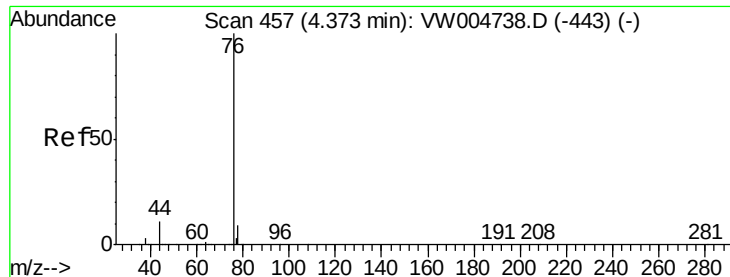
Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion:	43	Resp:	419556
Ion Ratio	Lower	Upper	
43	100		
58	34.1	27.3	40.9





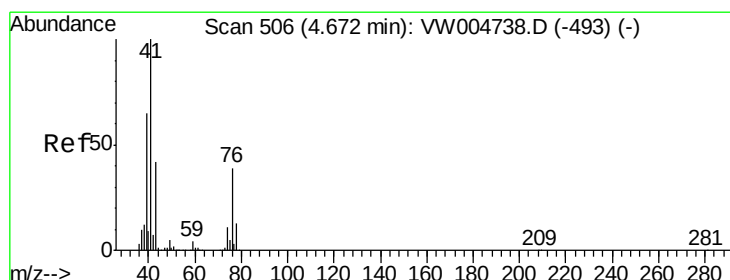
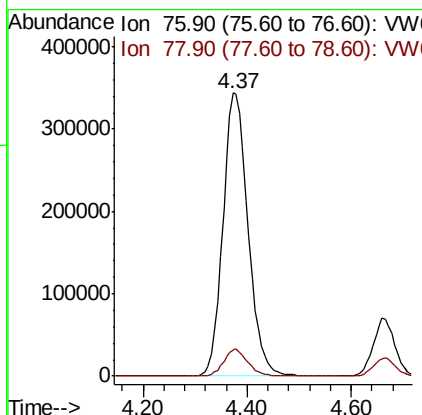
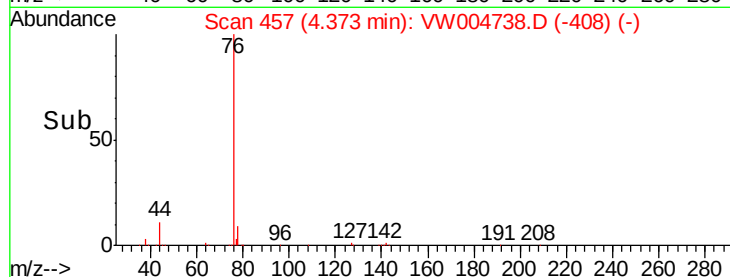
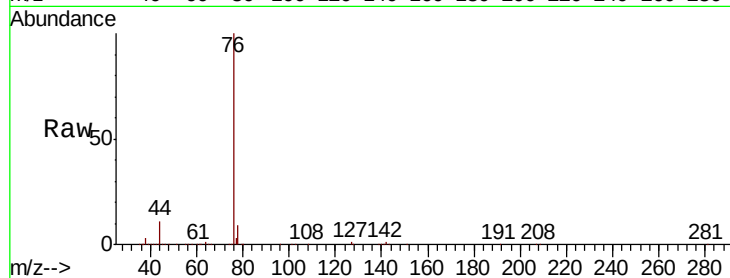
#17
Carbon Disulfide
Concen: 47.25 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

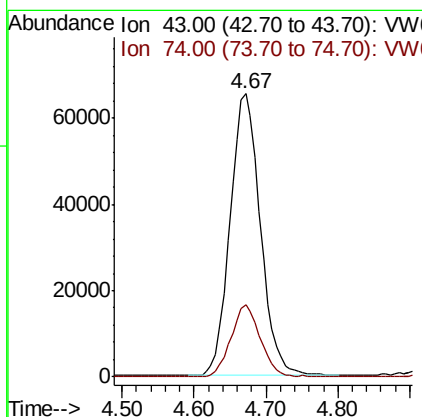
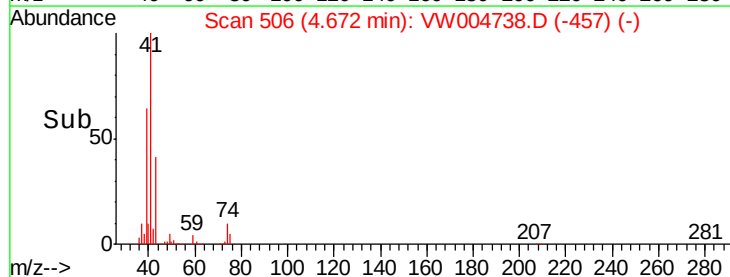
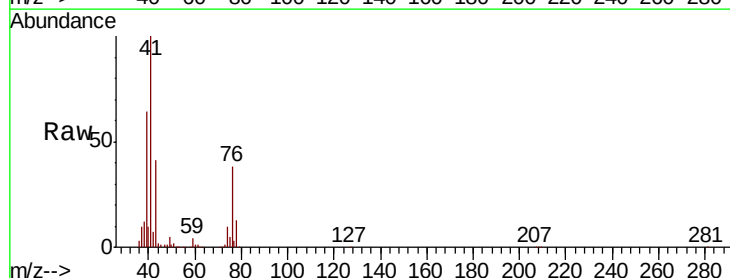
Manual Integrations
APPROVED

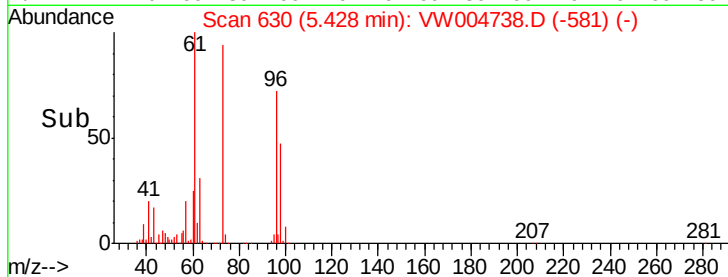
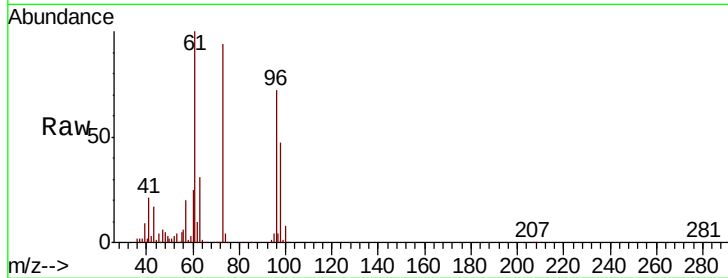
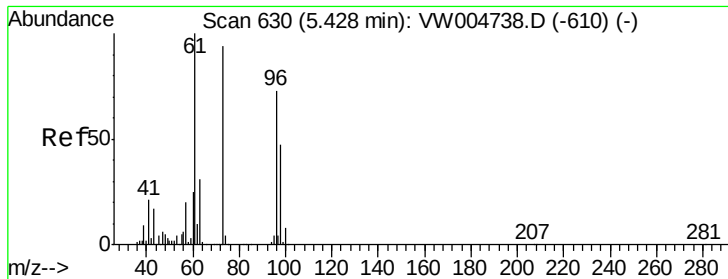
apatel
8/20/2018 9:53:49 AM



#18
Methyl Acetate
Concen: 49.66 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





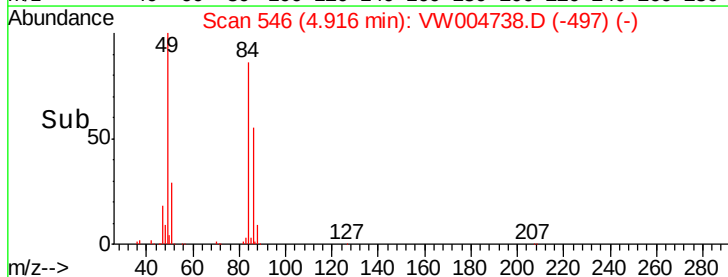
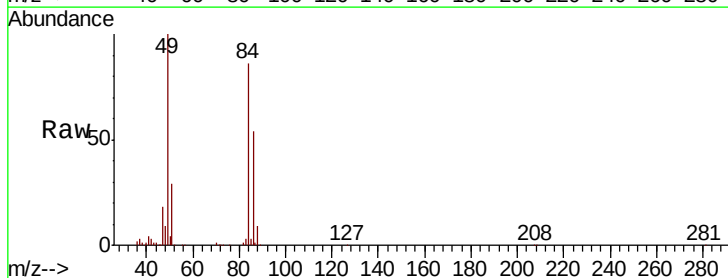
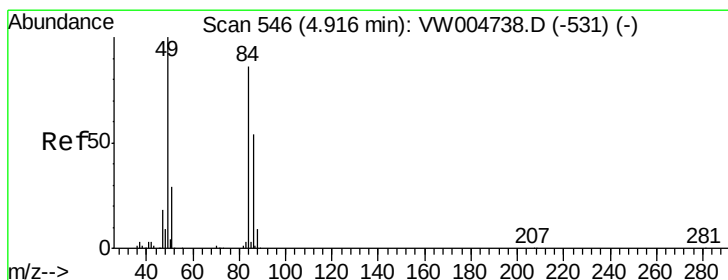
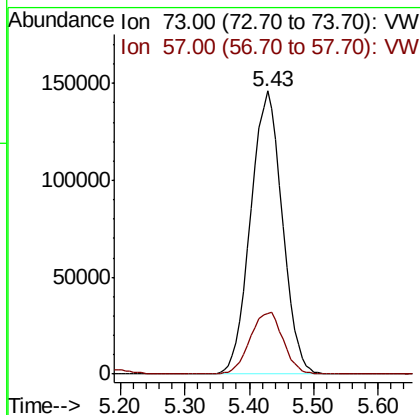
#19
Methyl tert-butyl Ether
Concen: 51.17 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.3	25.9

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

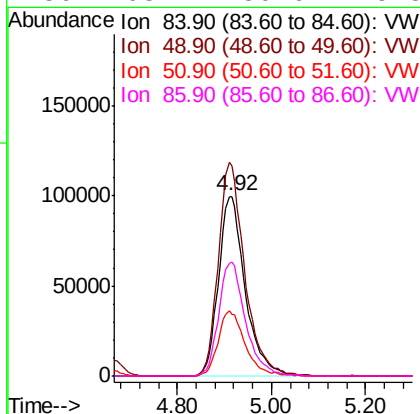
Manual Integrations
APPROVED

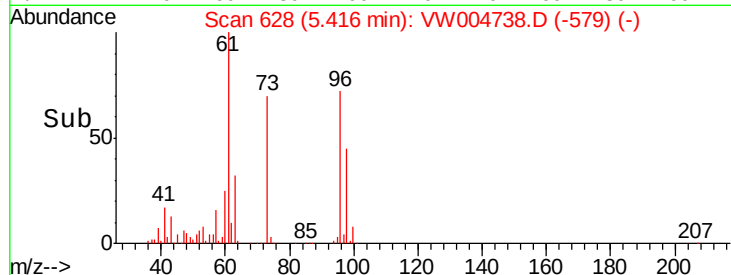
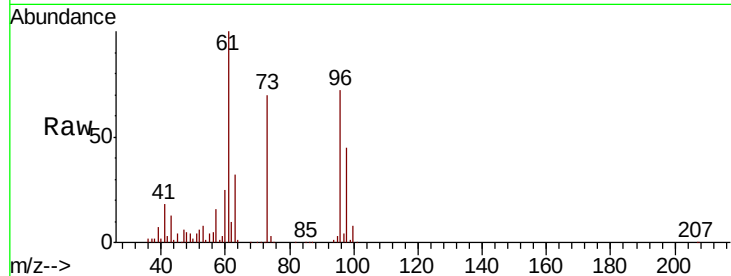
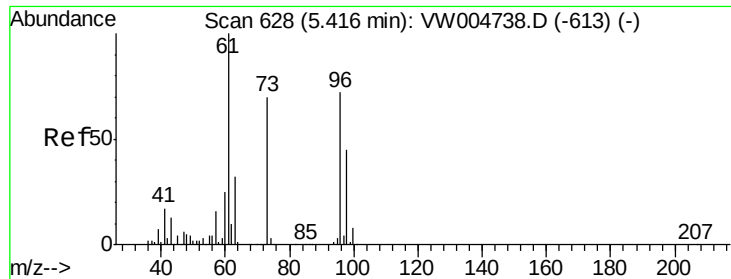
apatel
8/20/2018 9:53:49 AM



#20
Methylene Chloride
Concen: 40.03 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.5	93.2	139.8
51	34.2	27.4	41.0
86	63.2	50.6	75.8





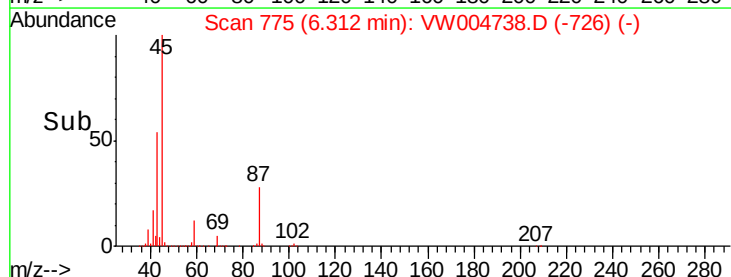
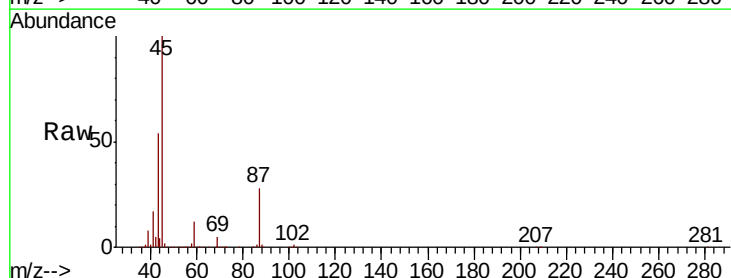
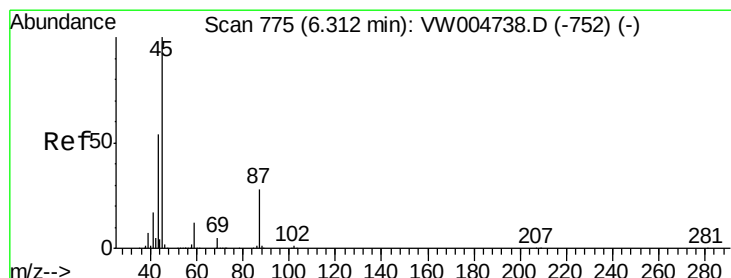
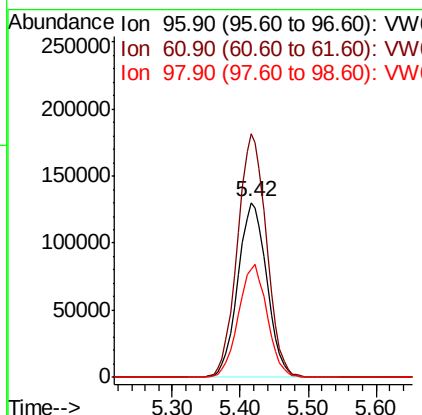
#21
trans-1,2-Dichloroethene
Concen: 48.68 ug/l
RT: 5.42 min Scan# 628
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	111.4	167.0
98	62.1	49.7	74.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

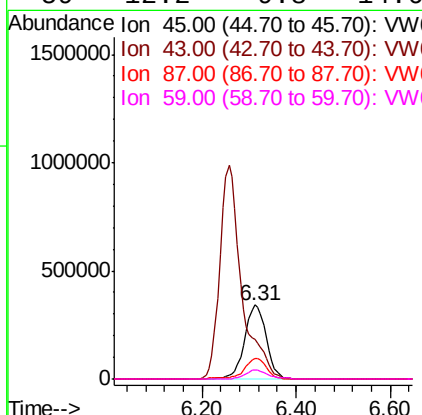
Manual Integrations
APPROVED

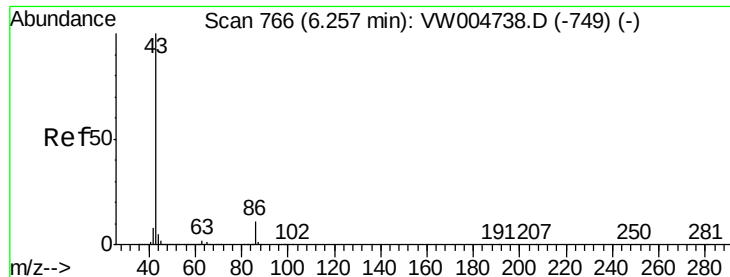
apatel
8/20/2018 9:53:49 AM



#22
Diisopropyl ether
Concen: 50.51 ug/l
RT: 6.31 min Scan# 775
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.8	43.0	64.6
87	27.8	22.2	33.4
59	12.2	9.8	14.6





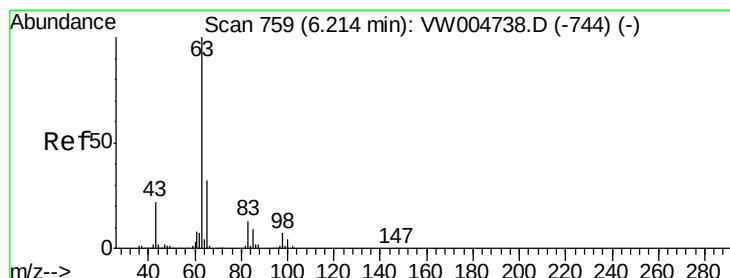
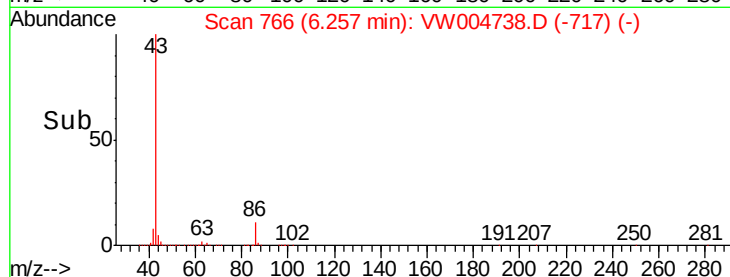
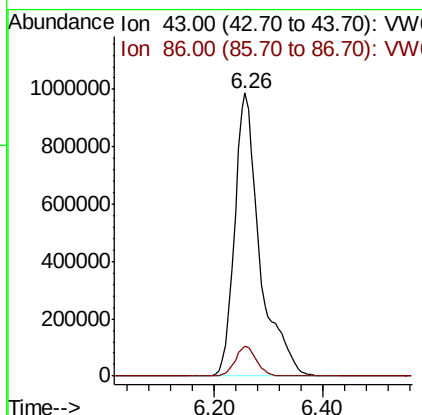
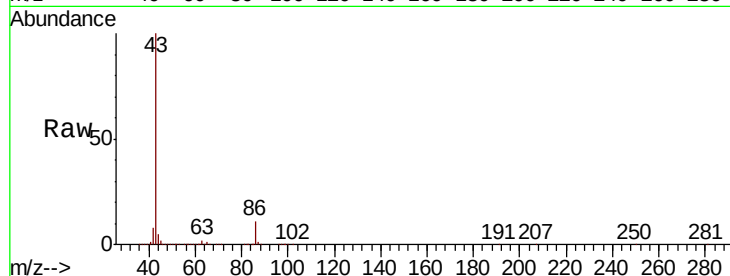
#23
 Vinyl Acetate
 Concen: 258.69 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 3183461
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7

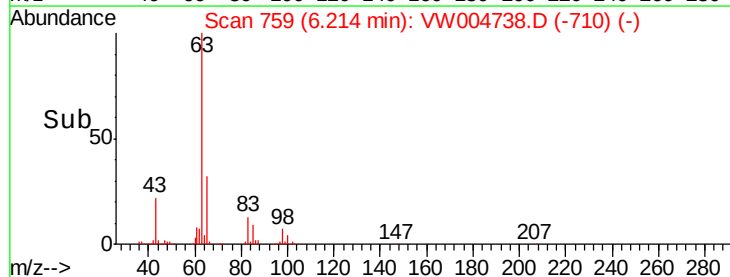
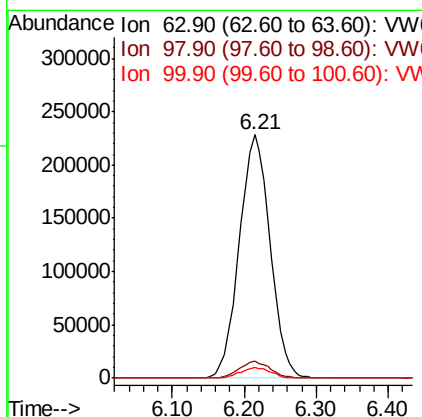
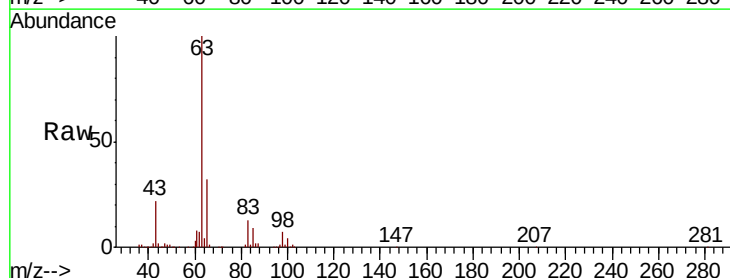
Manual Integrations
 APPROVED

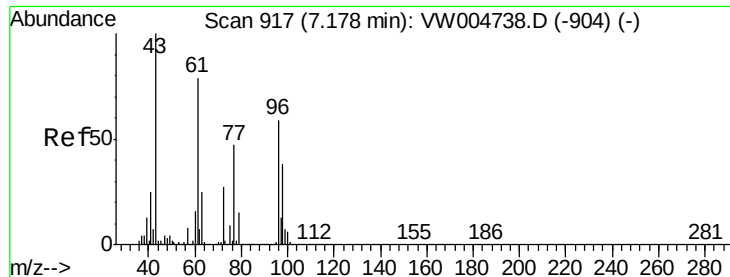
apatel
 8/20/2018 9:53:49 AM



#24
 1,1-Dichloroethane
 Concen: 48.09 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion: 63 Resp: 679950
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.4
 100 4.2 2.1 6.3





#25

2-Butanone

Concen: 246.68 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 627844

Ion Ratio Lower Upper

43 100

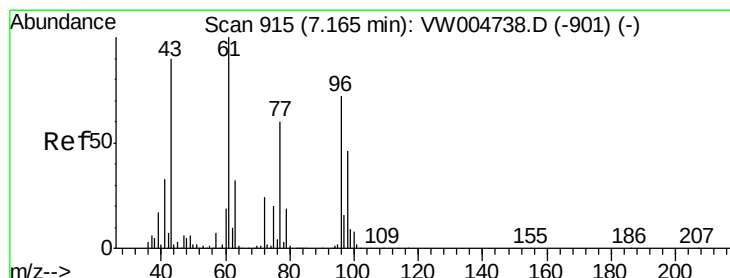
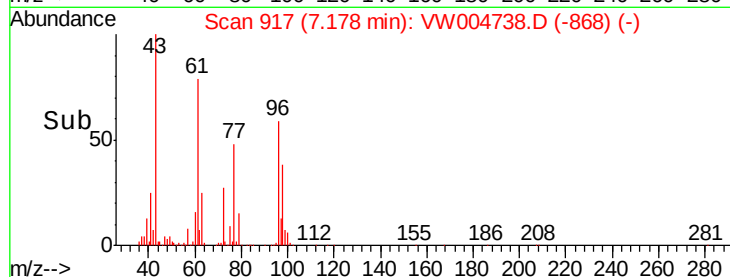
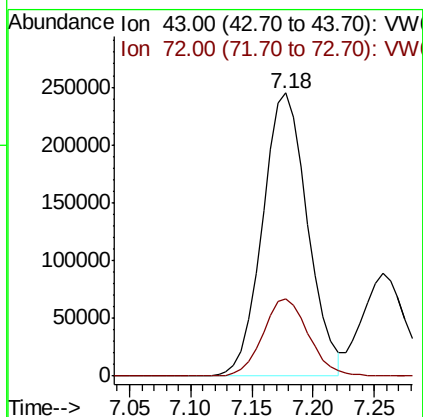
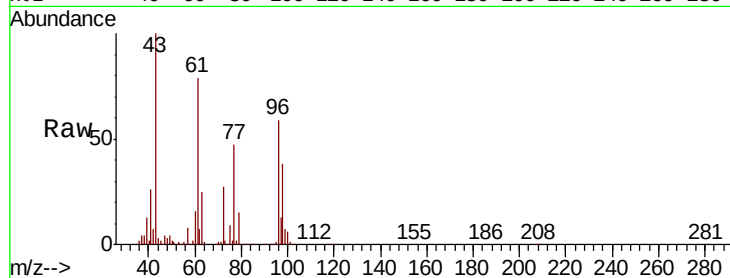
72 27.5 22.0 33.0

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



#26

2,2-Dichloropropane

Concen: 46.76 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004738.D

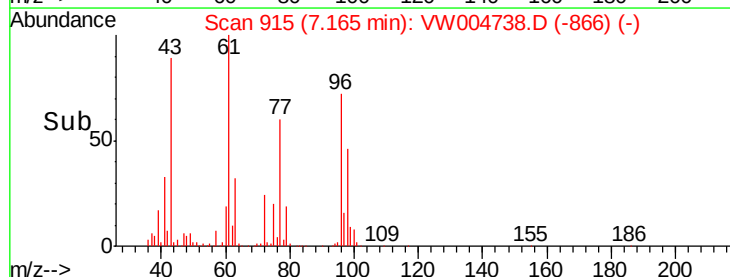
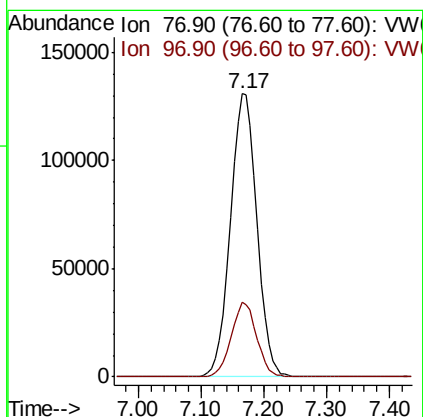
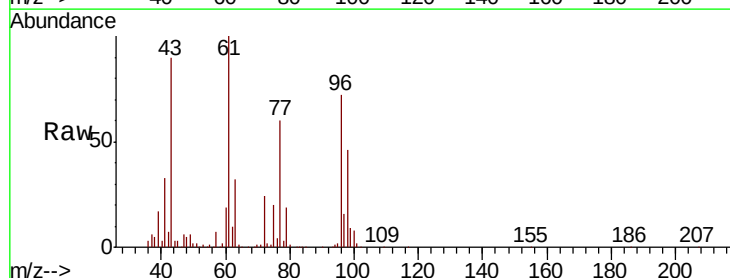
Acq: 17 Aug 2018 17:12

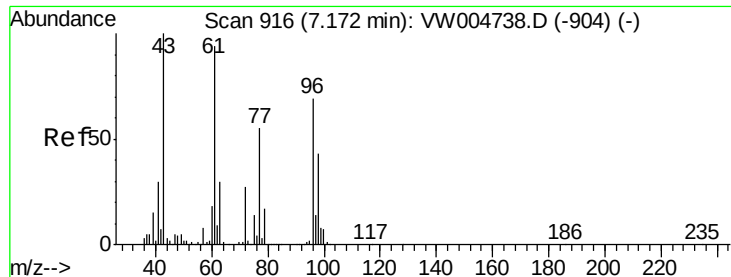
Tgt Ion: 77 Resp: 381884

Ion Ratio Lower Upper

77 100

97 25.2 12.6 37.8





#27

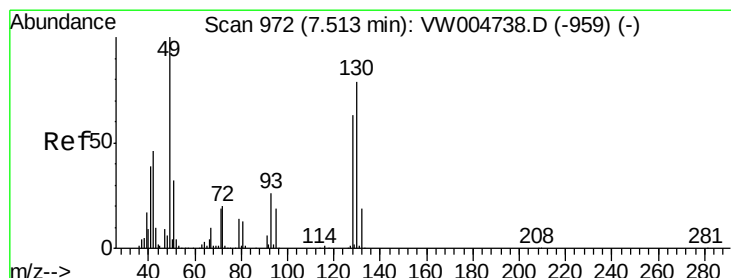
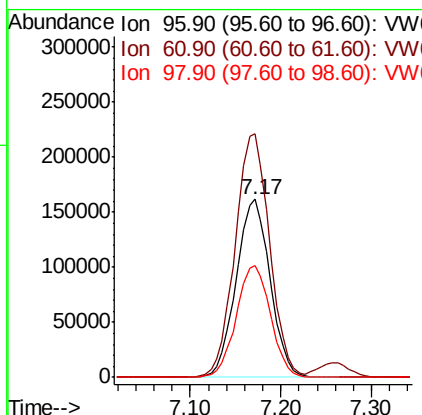
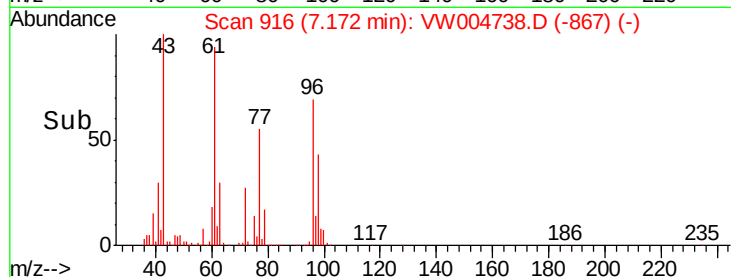
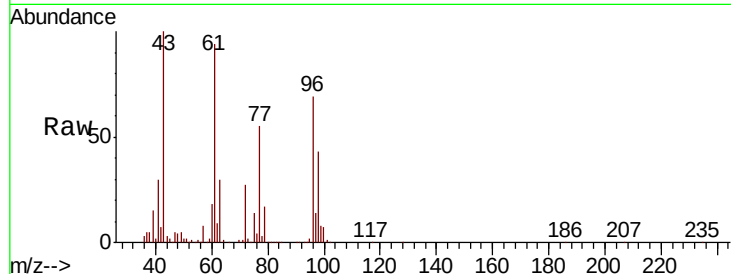
cis-1,2-Dichloroethene
 Concen: 49.14 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	419854		
61	138.8		0.0	277.6
98	63.7		0.0	127.4

Manual Integrations
 APPROVED

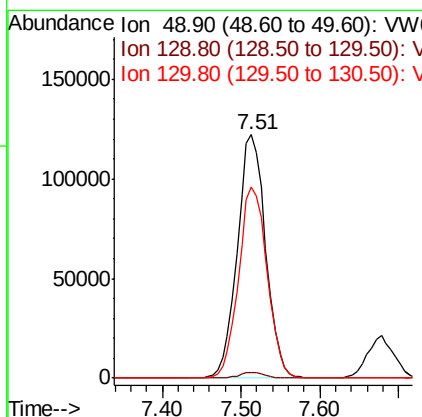
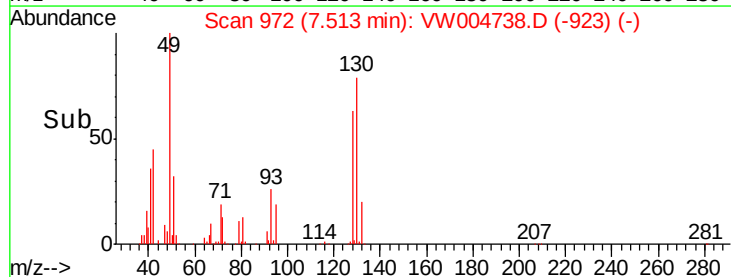
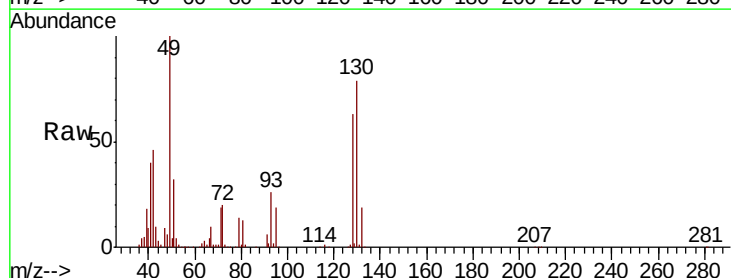
apatel
 8/20/2018 9:53:49 AM

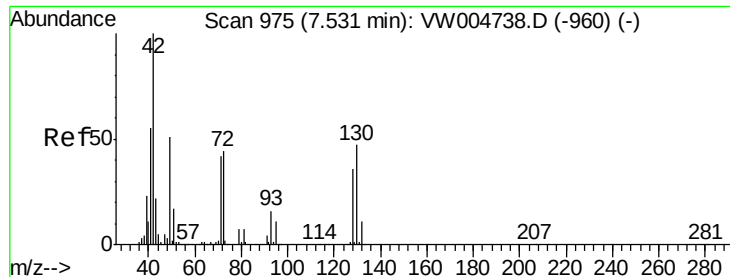


#28

Bromochloromethane
 Concen: 51.13 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	304431		
129	2.2		0.0	4.4
130	79.6		63.7	95.5





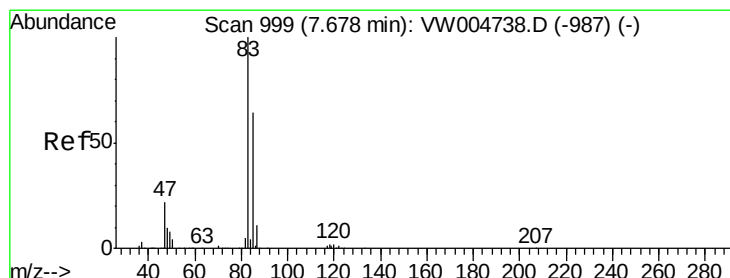
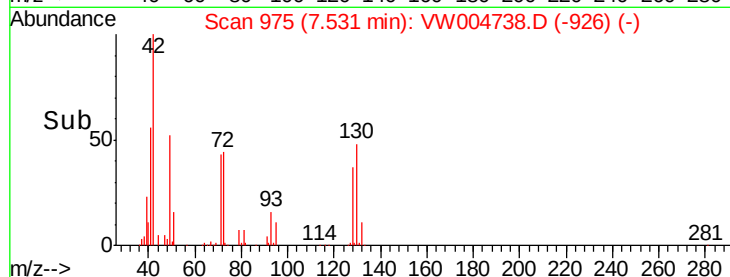
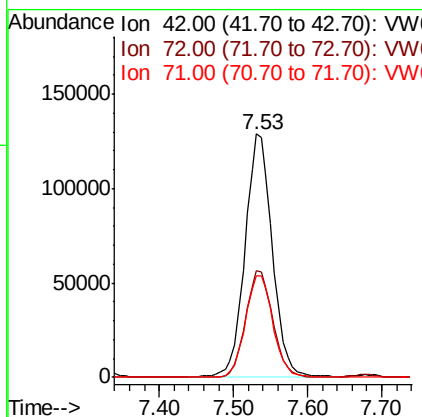
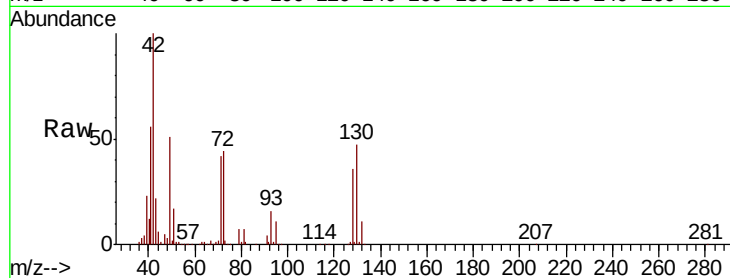
#29
Tetrahydrofuran
Concen: 255.87 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	34.9	52.3
71	42.2	33.8	50.6

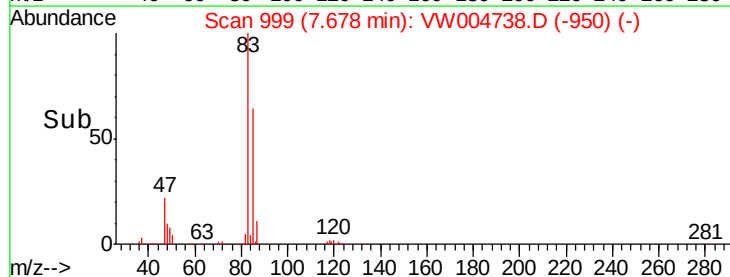
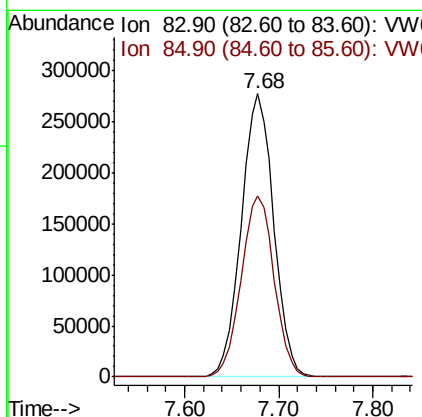
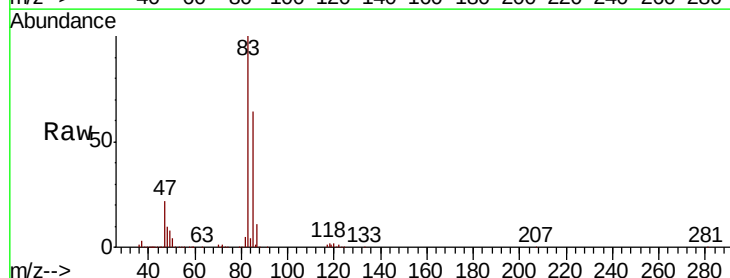
Manual Integrations
APPROVED

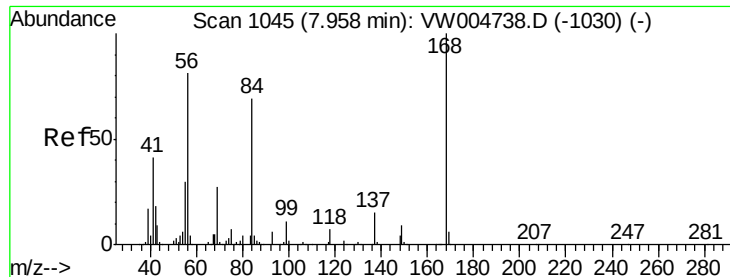
apatel
8/20/2018 9:53:49 AM



#30
Chloroform
Concen: 48.03 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6





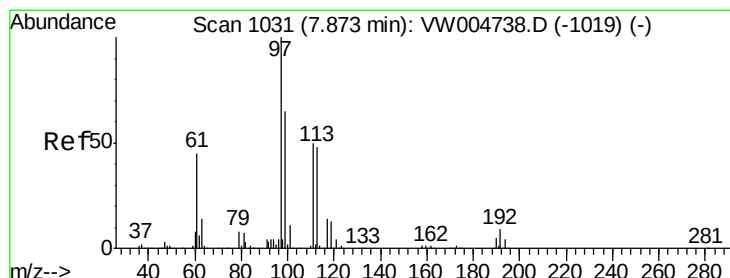
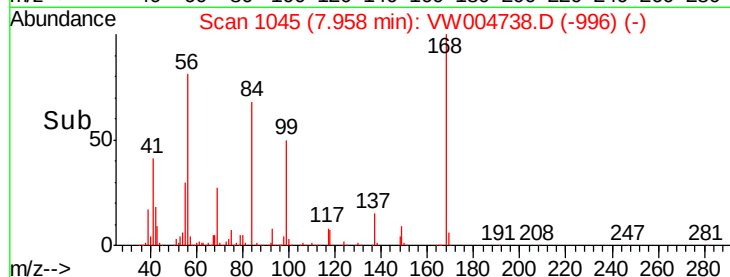
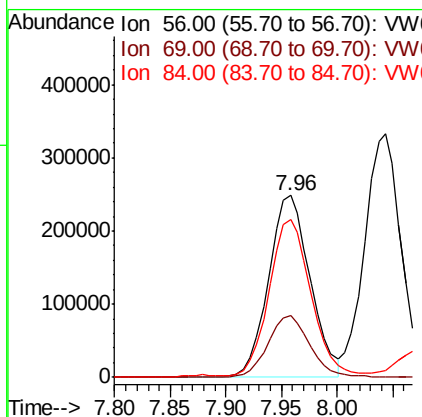
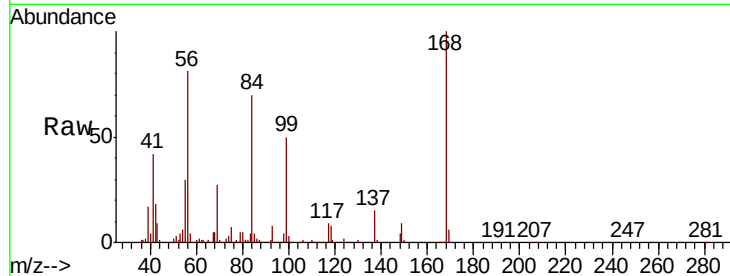
#31
Cyclohexane
Concen: 47.29 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.1	40.7
84	85.4	68.3	102.5

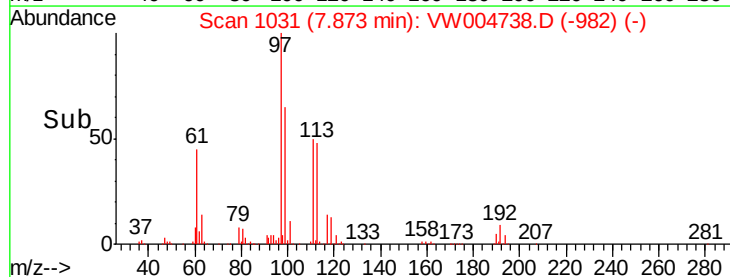
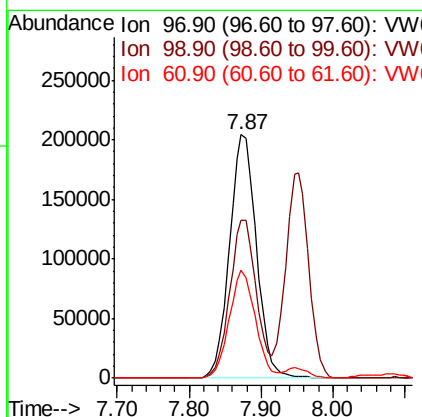
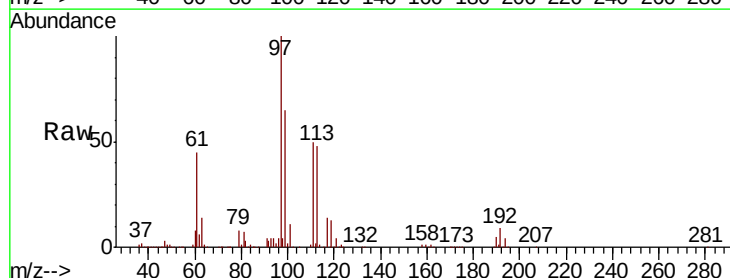
Manual Integrations
APPROVED

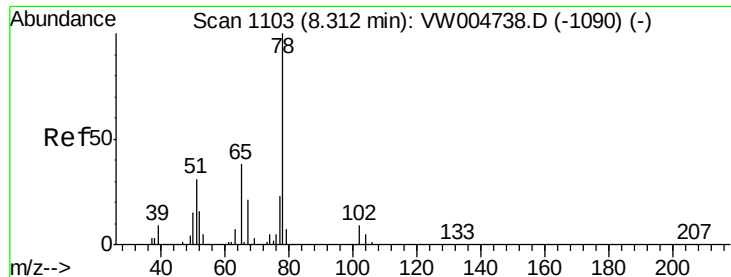
apatel
8/20/2018 9:53:49 AM



#32
1,1,1-Trichloroethane
Concen: 48.13 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.7	77.5
61	43.0	34.4	51.6





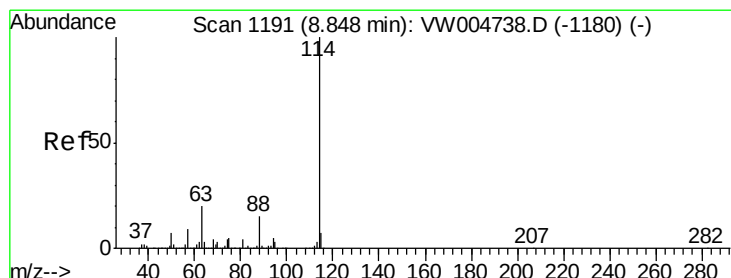
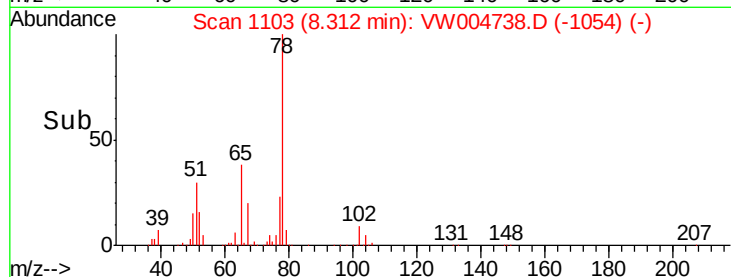
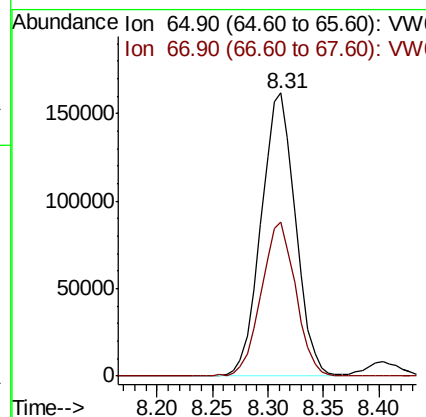
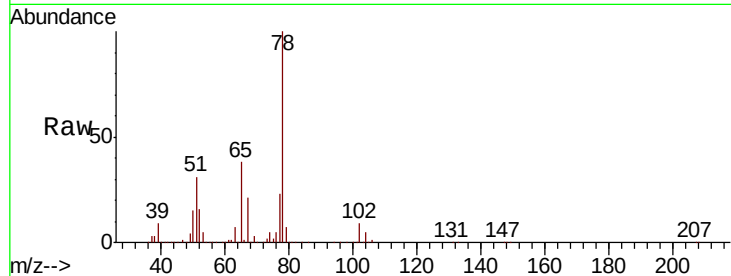
#33
 1,2-Dichloroethane-d4
 Concen: 49.75 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	348139		
67	54.7	0.0	109.4	

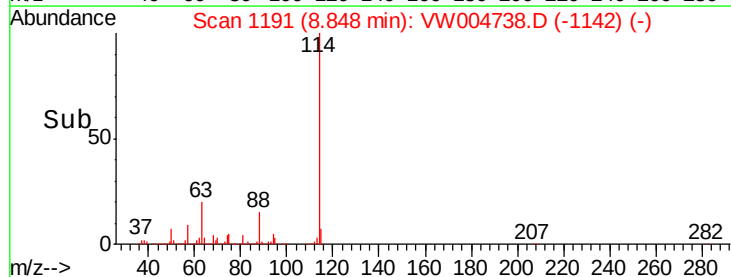
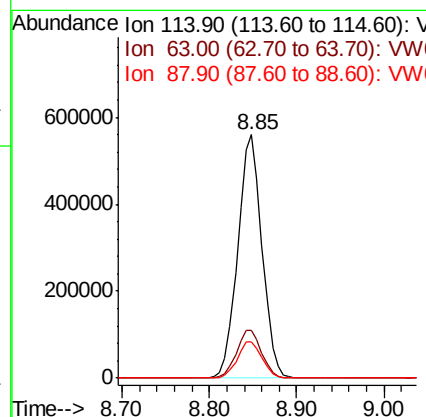
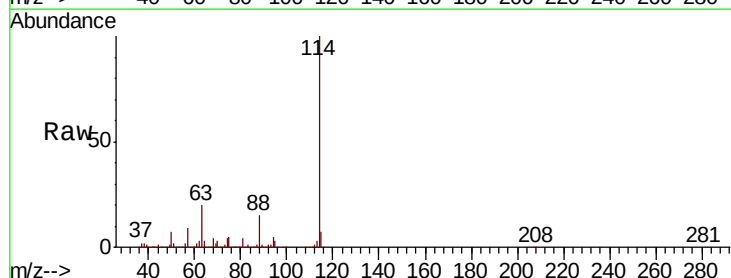
Manual Integrations
 APPROVED

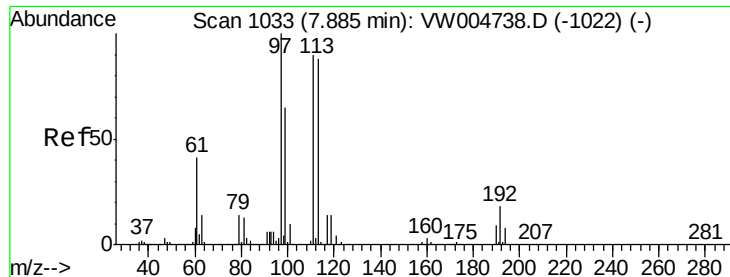
apatel
 8/20/2018 9:53:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1076290		
63	19.5	0.0	39.0	
88	15.0	0.0	30.0	





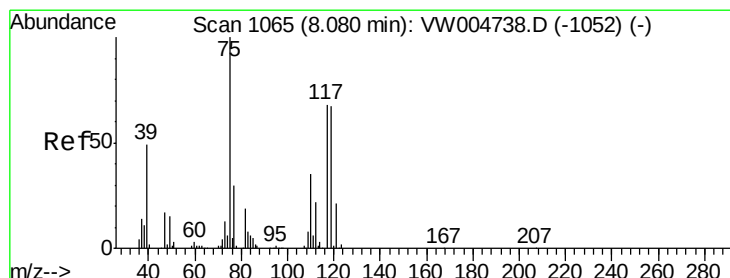
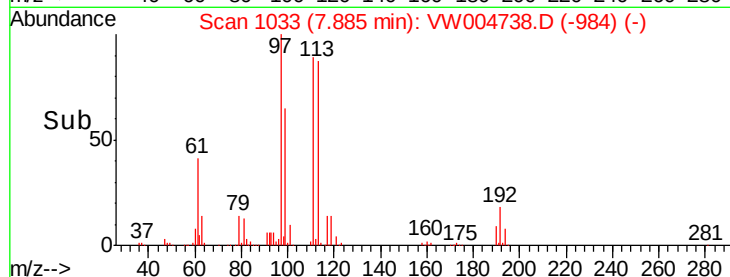
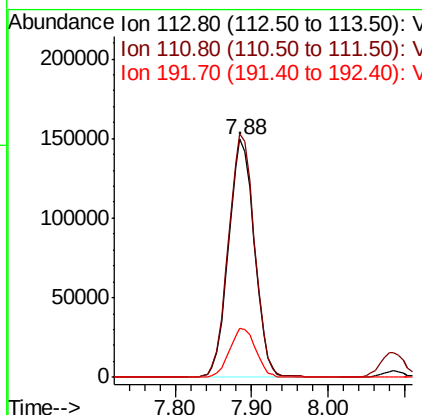
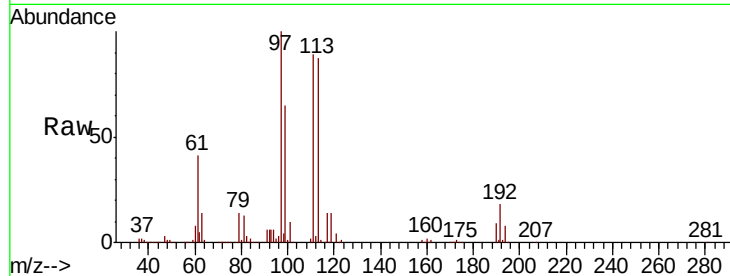
#35
 Dibromofluoromethane
 Concen: 50.90 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	350166		
111	103.0	82.4	123.6	
192	20.9	16.7	25.1	

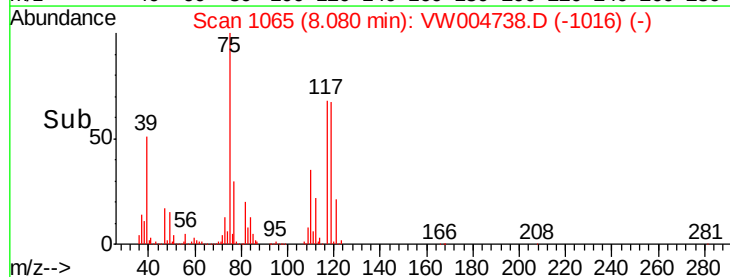
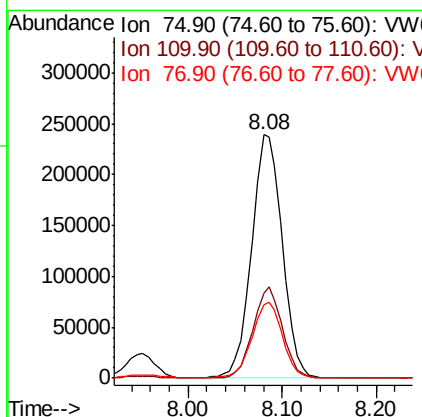
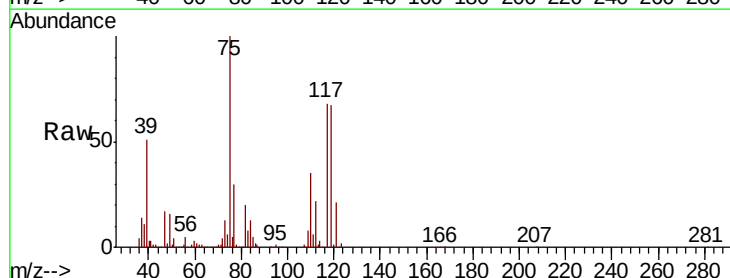
Manual Integrations
 APPROVED

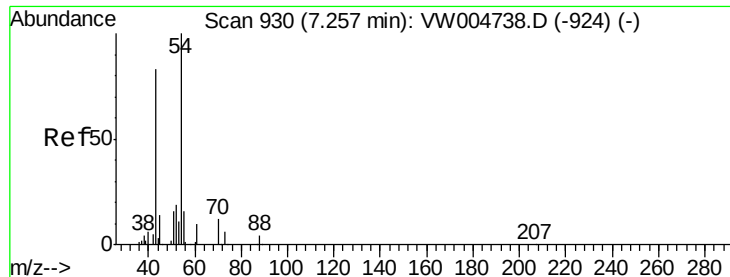
apatel
 8/20/2018 9:53:49 AM



#36
 1,1-Dichloropropene
 Concen: 49.19 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	545457		
110	35.7	17.8	53.5	
77	31.1	24.9	37.3	





#37

Ethyl Acetate

Concen: 51.11 ug/l

RT: 7.26 min Scan# 930

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

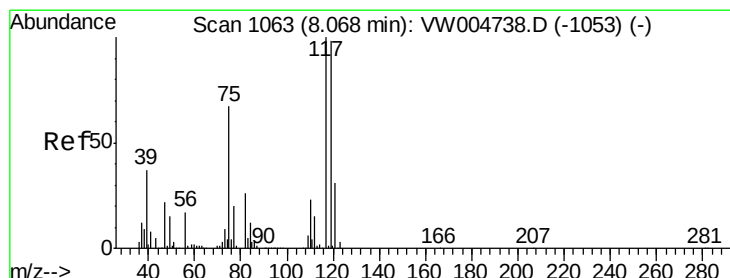
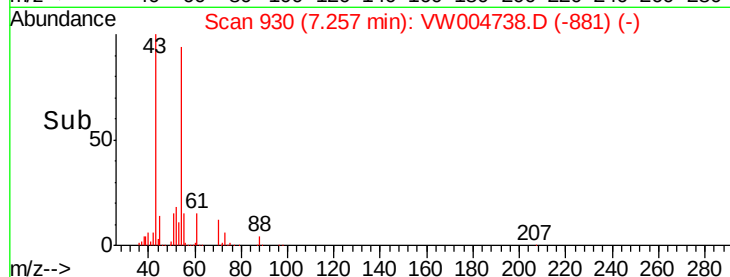
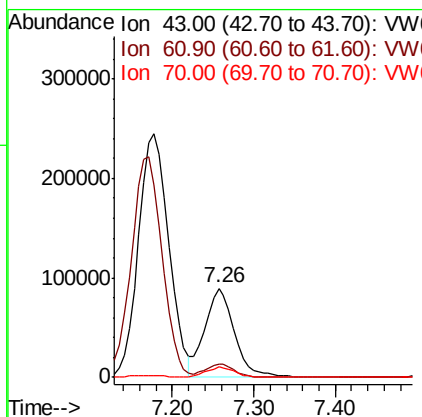
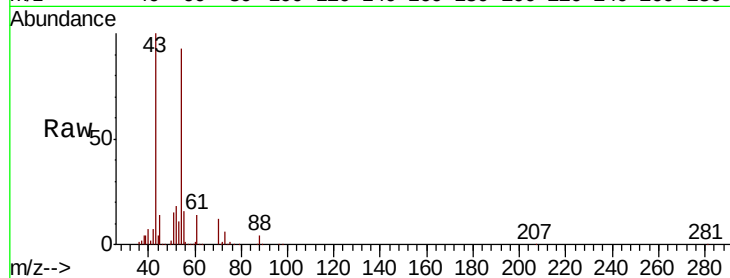
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	225891
Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.6	17.4
70	11.5	9.2	13.8

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#38

Carbon Tetrachloride

Concen: 48.87 ug/l

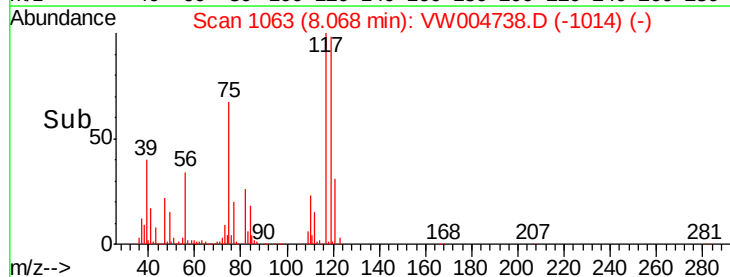
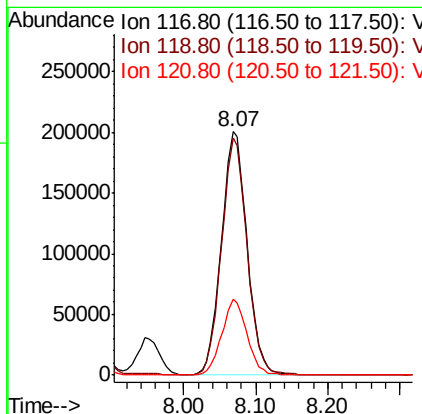
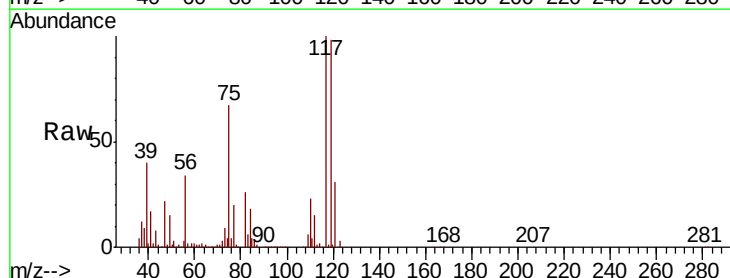
RT: 8.07 min Scan# 1063

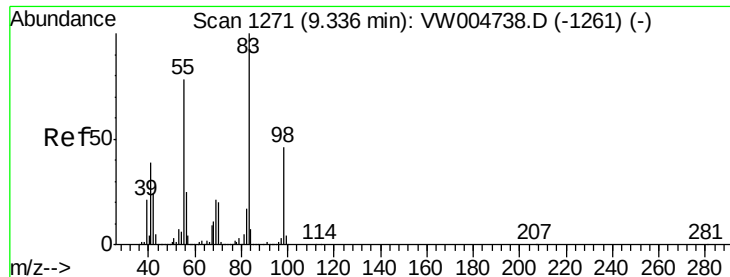
Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion:	117	Resp:	498777
Ion	Ratio	Lower	Upper
117	100		
119	97.5	78.0	117.0
121	31.0	24.8	37.2





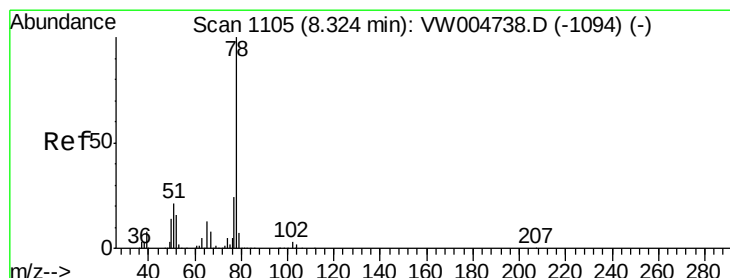
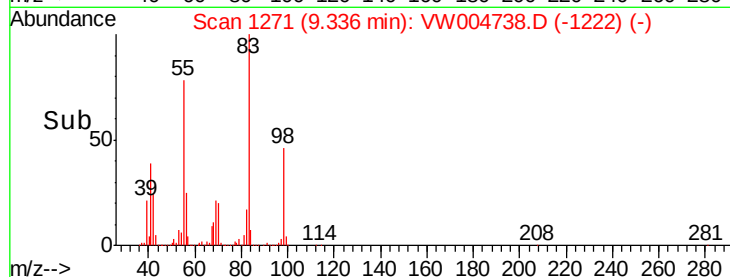
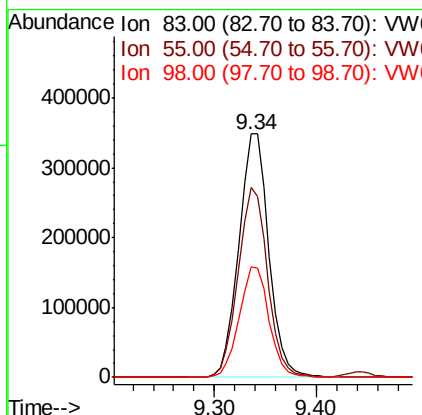
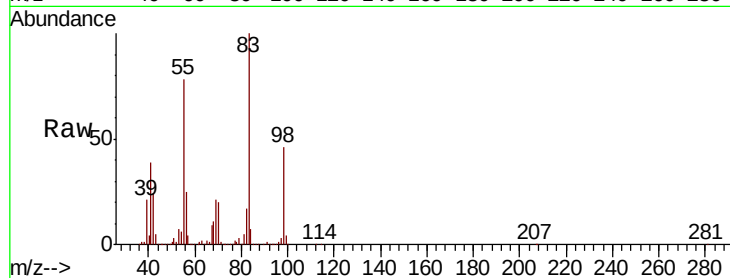
#39
Methylvlcyclohexane
Concen: 51.22 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.4	93.6
98	45.6	36.5	54.7

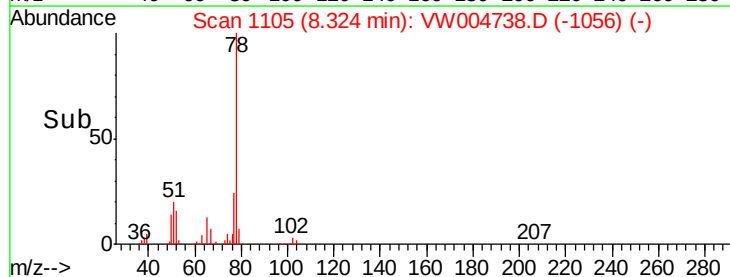
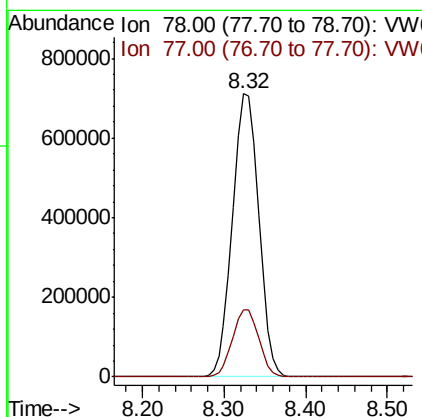
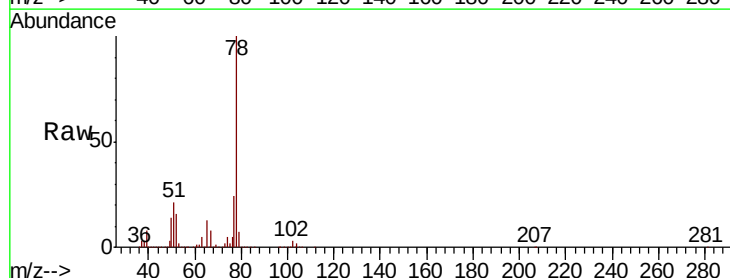
Manual Integrations
APPROVED

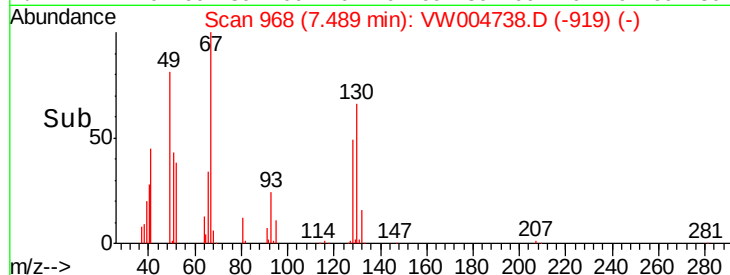
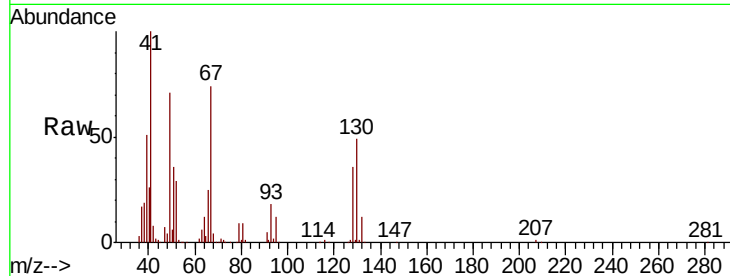
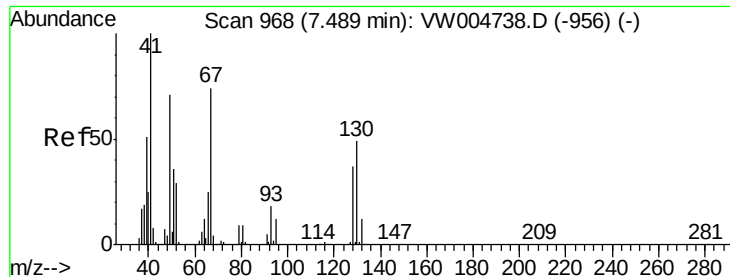
apatel
8/20/2018 9:53:49 AM



#40
Benzene
Concen: 49.19 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





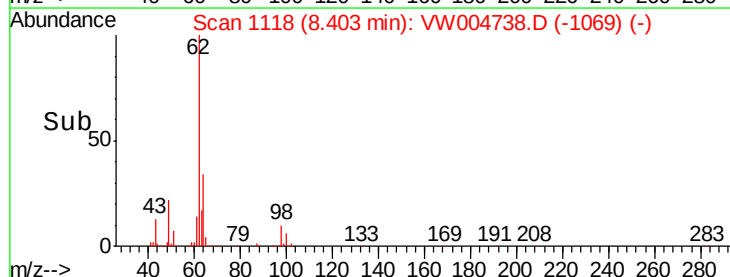
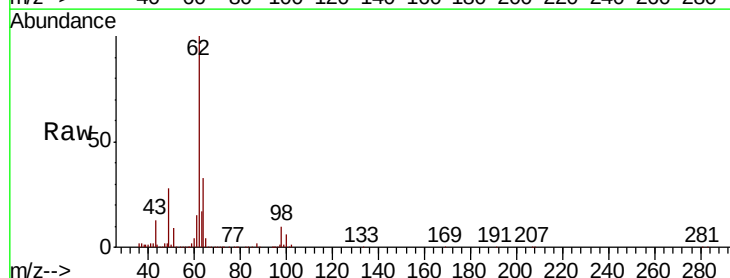
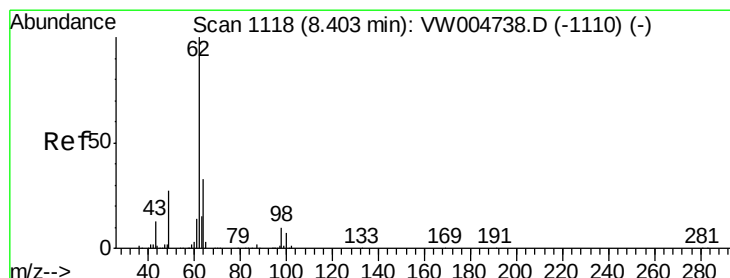
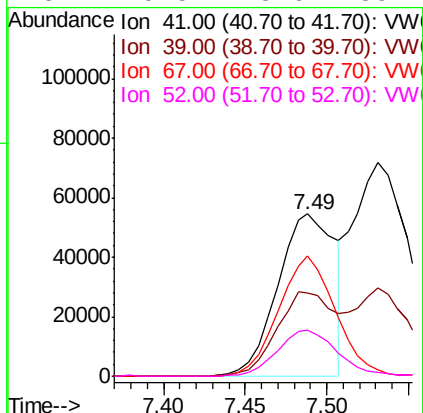
#41
Methacrylonitrile
Concen: 52.67 ug/l
RT: 7.49 min Scan# 968
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	51.2	41.0	61.4	
67	67	74.4	59.5	89.3	
52	52	29.5	23.6	35.4	

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

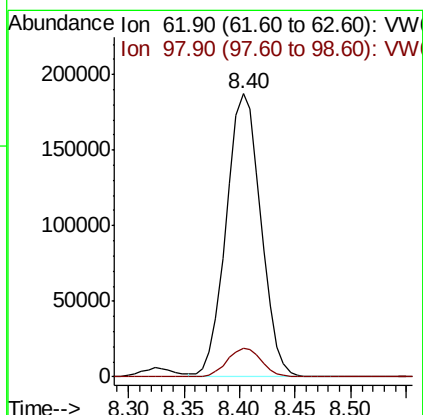
Manual Integrations
APPROVED

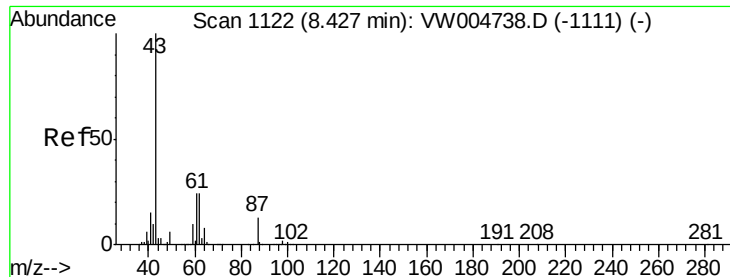
apatel
8/20/2018 9:53:49 AM



#42
1,2-Dichloroethane
Concen: 49.03 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	10.1	0.0	20.2	





#43

Isopropyl Acetate

Concen: 50.17 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

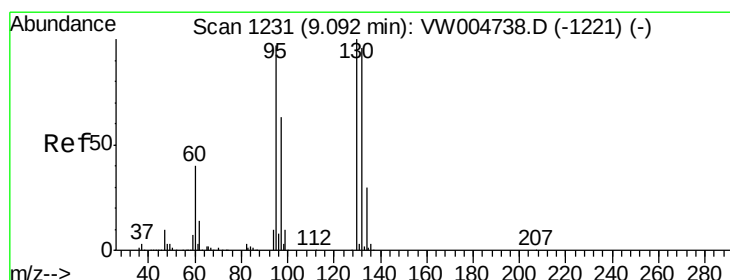
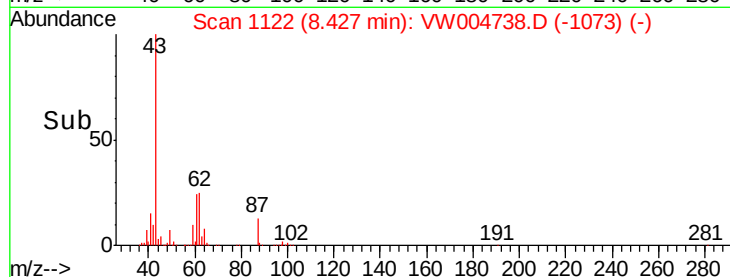
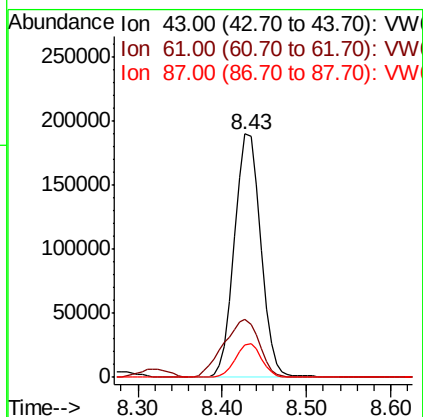
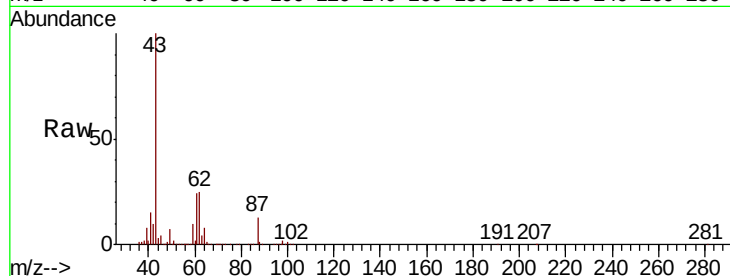
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	398282
Ion Ratio		Lower	Upper
43	100		
61	32.8	26.2	39.4
87	13.6	10.9	16.3

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#44

Trichloroethene

Concen: 48.86 ug/l

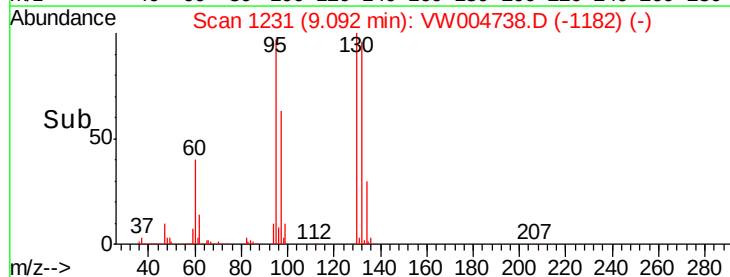
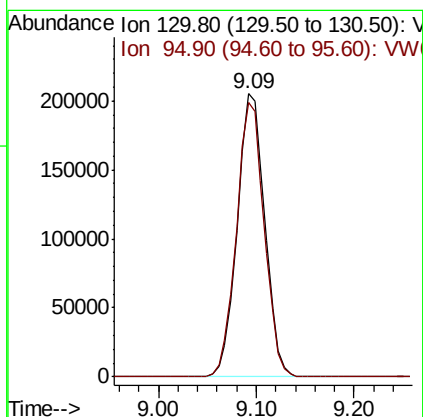
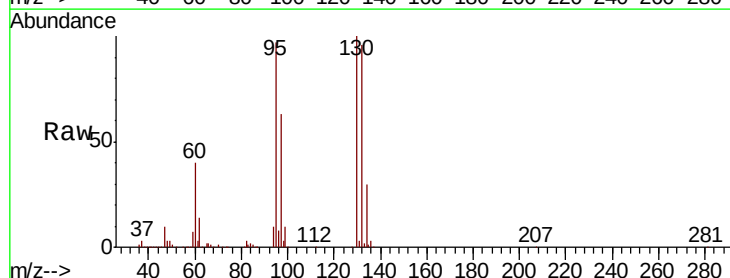
RT: 9.09 min Scan# 1231

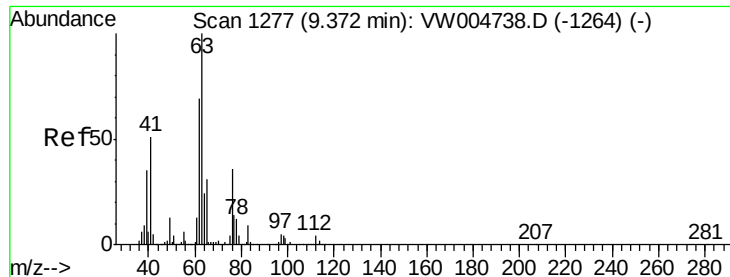
Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion:	130	Resp:	399673
Ion Ratio		Lower	Upper
130	100		
95	97.2	0.0	194.4





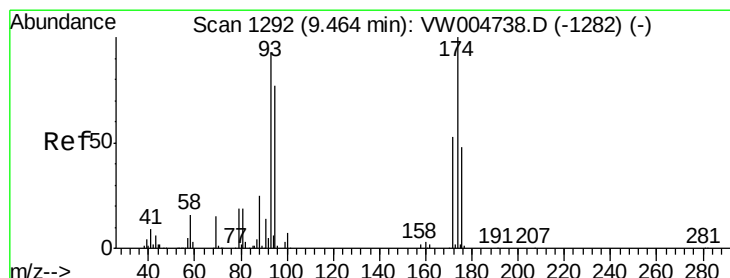
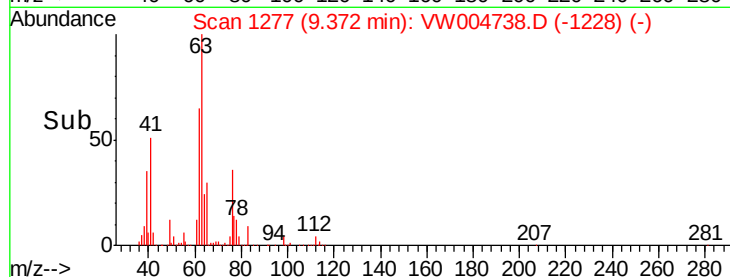
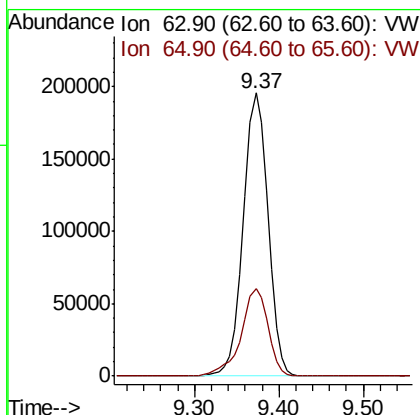
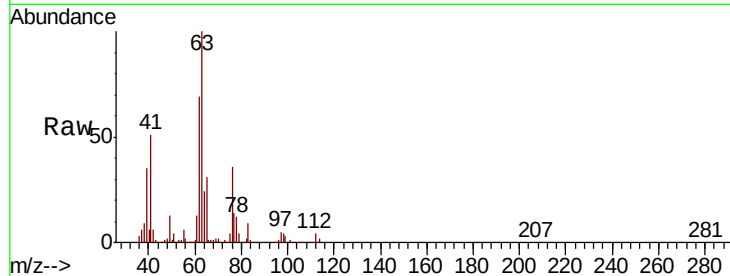
#45
 1,2-Dichloropropane
 Concen: 49.00 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	37.0

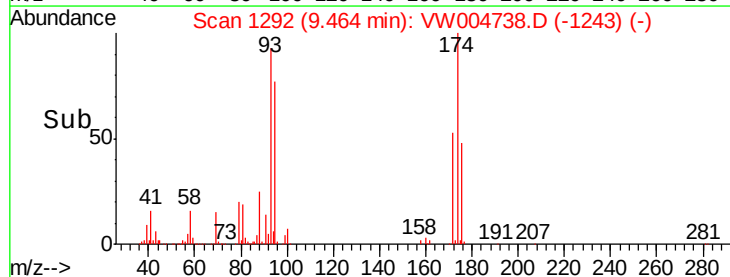
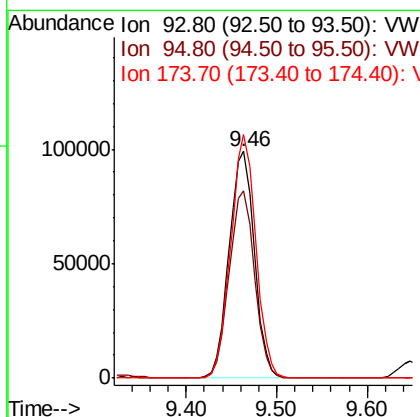
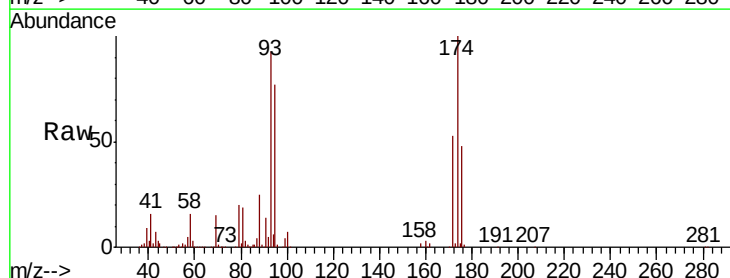
Manual Integrations
 APPROVED

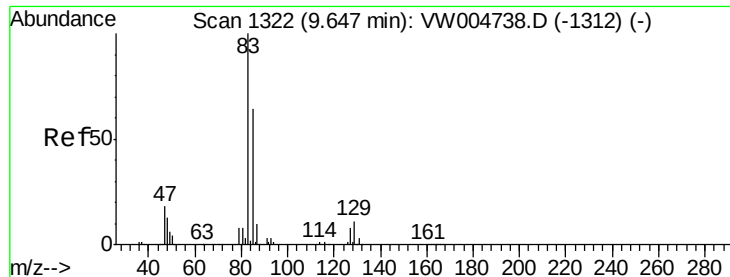
apatel
 8/20/2018 9:53:49 AM



#46
 Dibromomethane
 Concen: 49.14 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.6	99.8
174	106.6	85.3	127.9





#47

Bromodichloromethane

Concen: 49.65 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

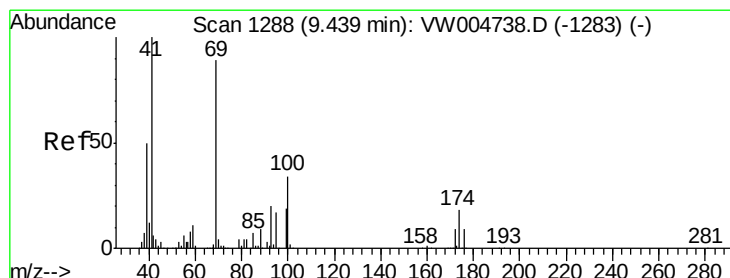
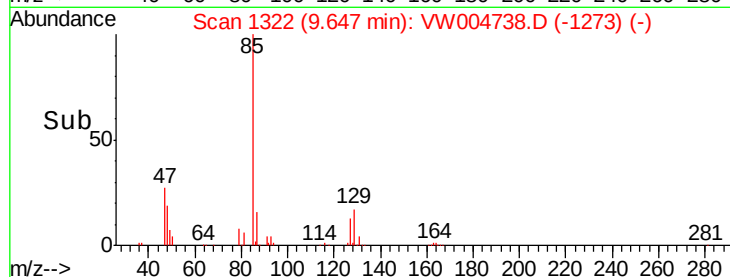
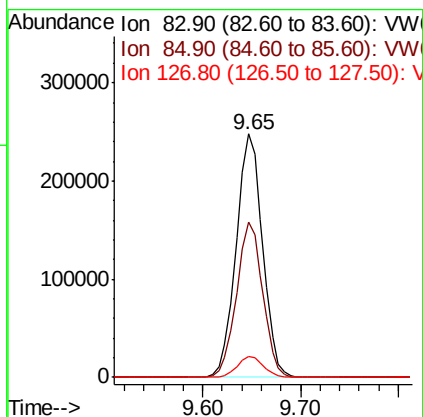
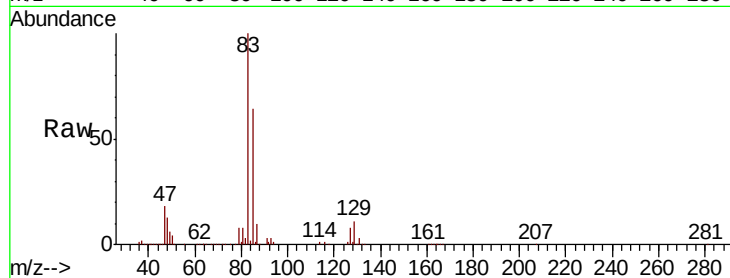
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	462978
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.2	76.8
127	8.4	6.7	10.1

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#48

Methyl methacrylate

Concen: 51.32 ug/l

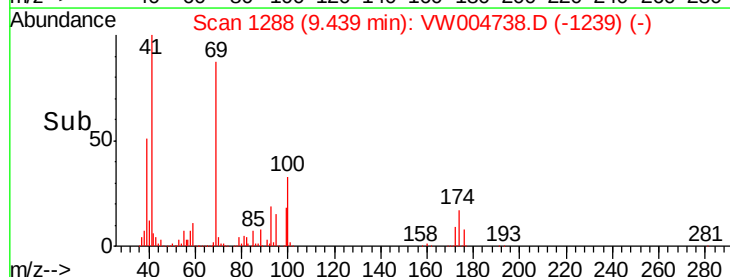
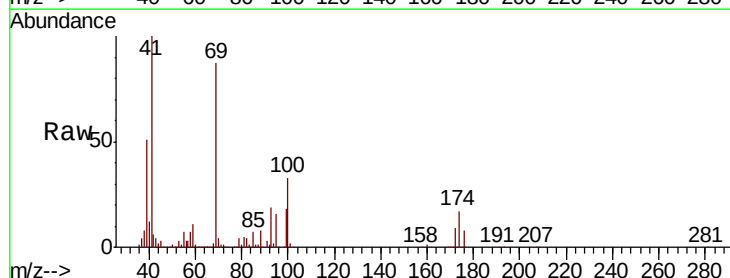
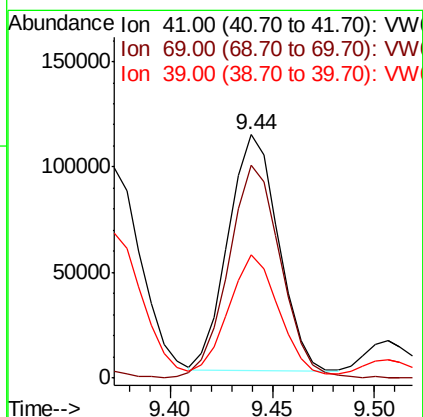
RT: 9.44 min Scan# 1288

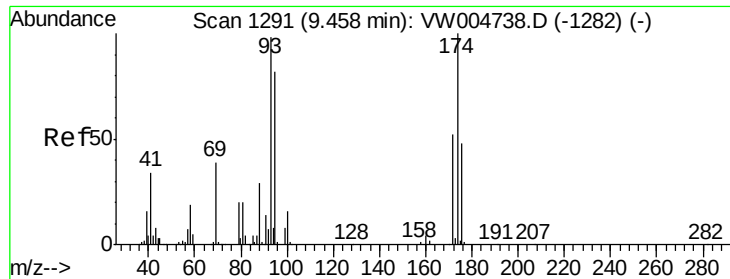
Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion:	41	Resp:	191164
Ion	Ratio	Lower	Upper
41	100		
69	94.0	75.2	112.8
39	49.7	39.8	59.6





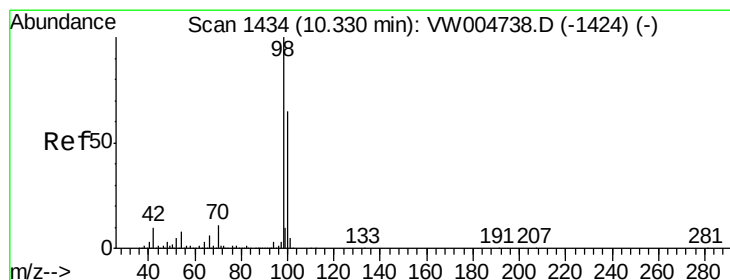
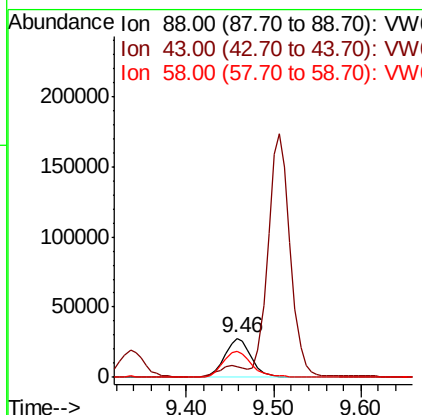
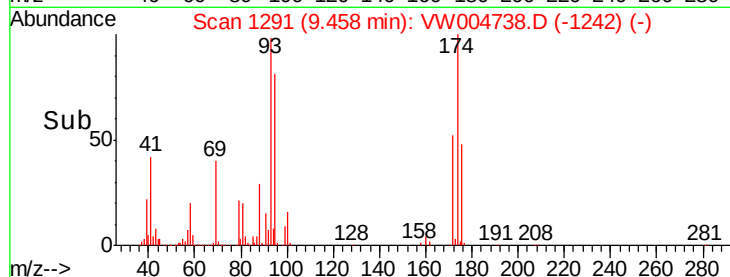
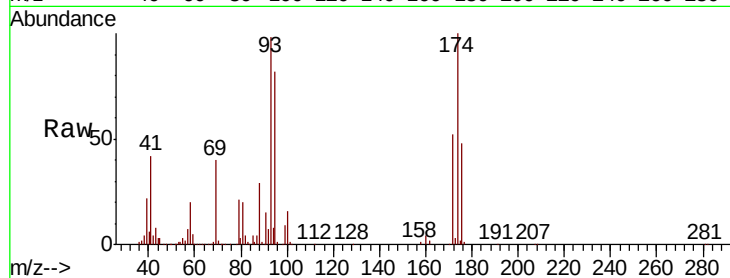
#49
1,4-Dioxane
Concen: 1021.74 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	22.9	34.3
58	75.0	60.0	90.0

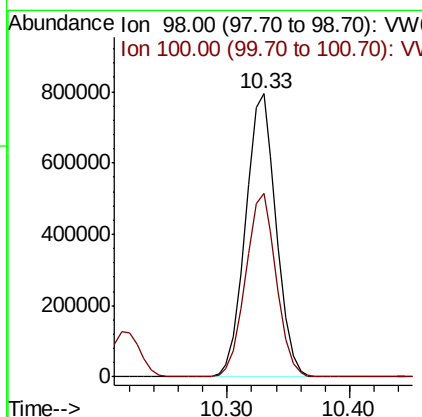
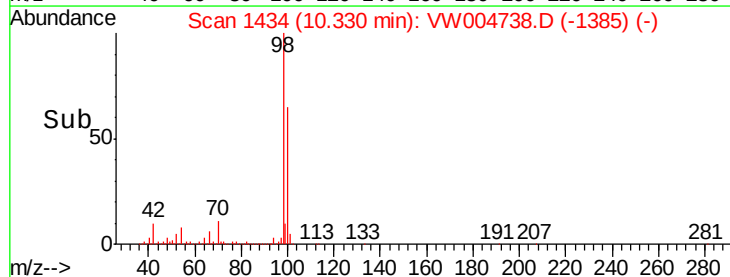
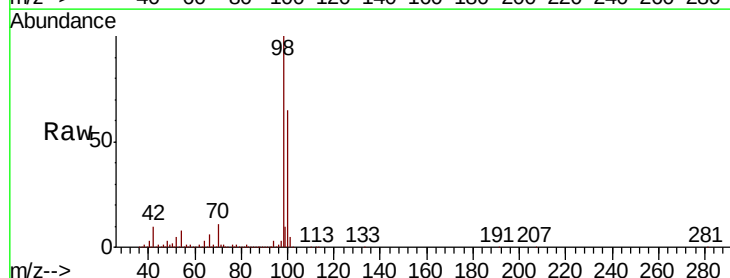
Manual Integrations
APPROVED

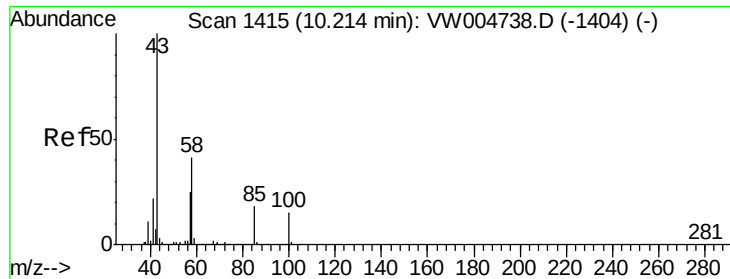
apatel
8/20/2018 9:53:49 AM



#50
Toluene-d8
Concen: 51.29 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 257.46 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1381428

Ion Ratio Lower Upper

43 100

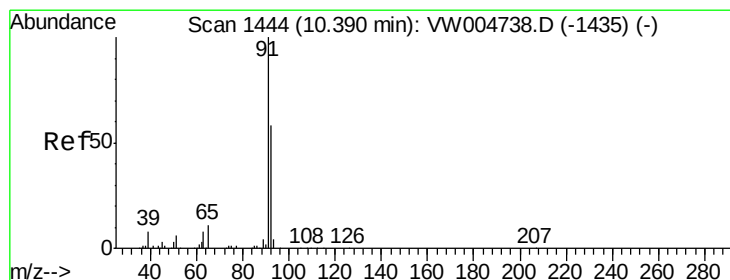
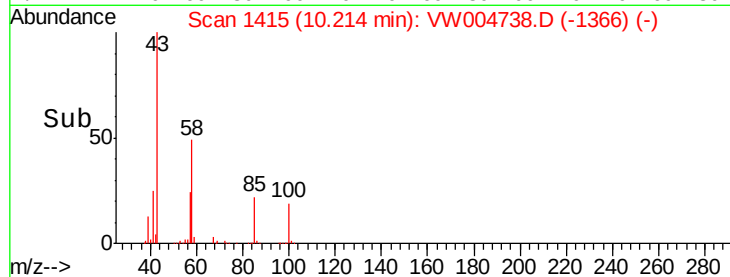
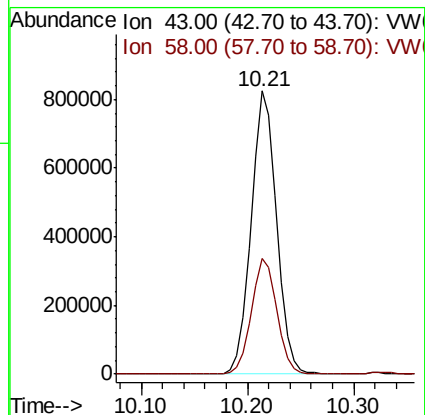
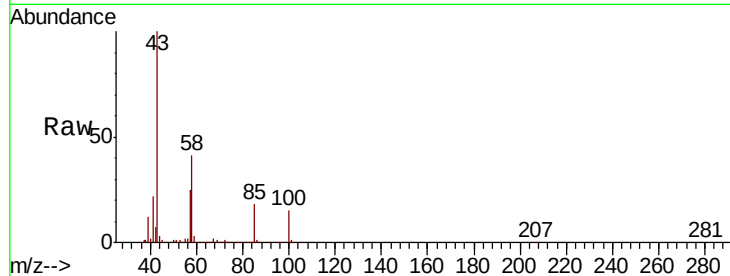
58 40.9 32.7 49.1

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



#52

Toluene

Concen: 49.66 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004738.D

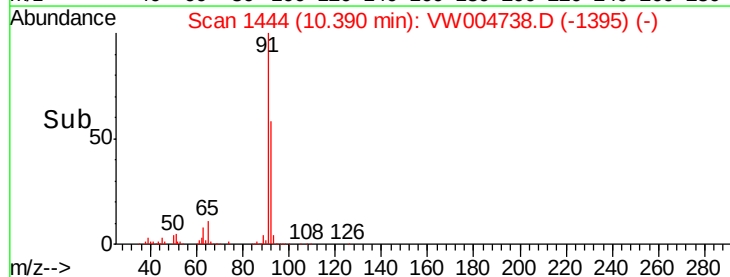
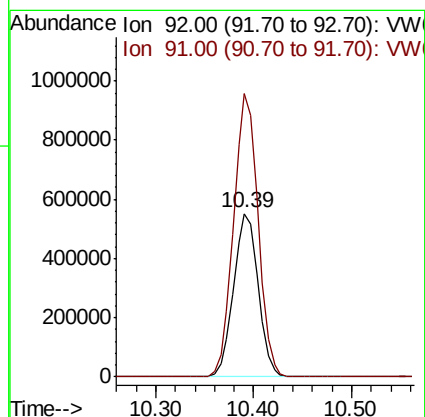
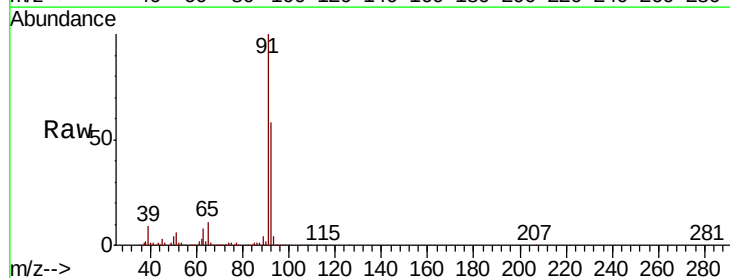
Acq: 17 Aug 2018 17:12

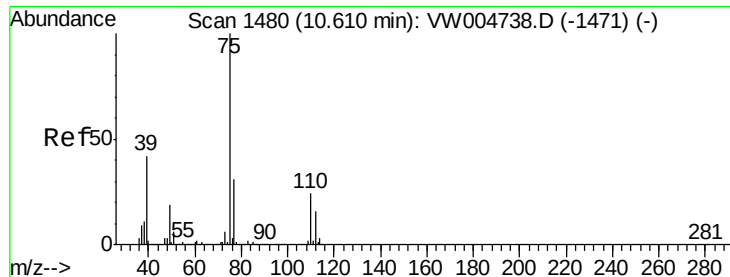
Tgt Ion: 92 Resp: 959746

Ion Ratio Lower Upper

92 100

91 172.9 138.3 207.5





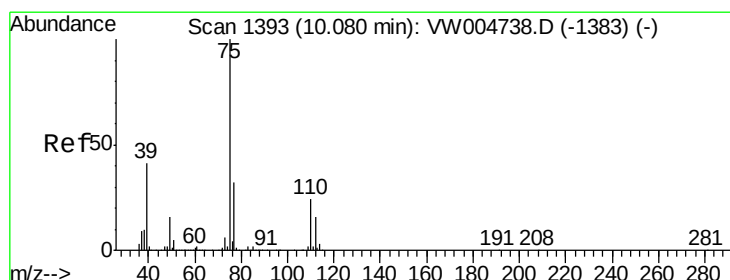
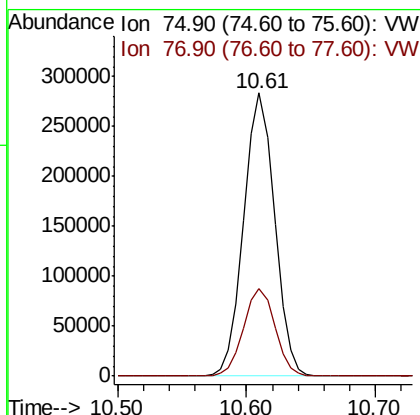
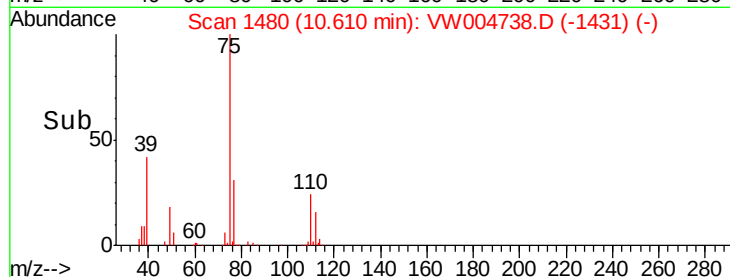
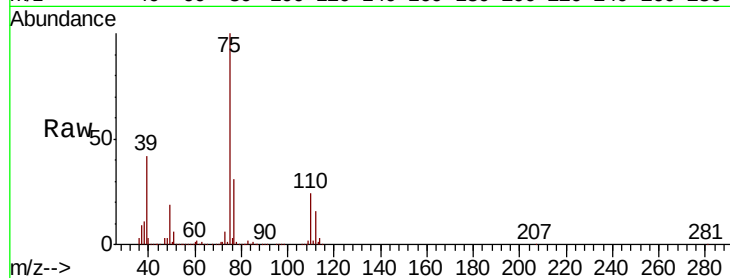
#53
t-1,3-Dichloropropene
Concen: 50.08 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2

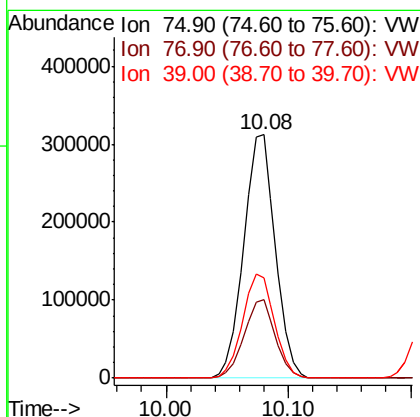
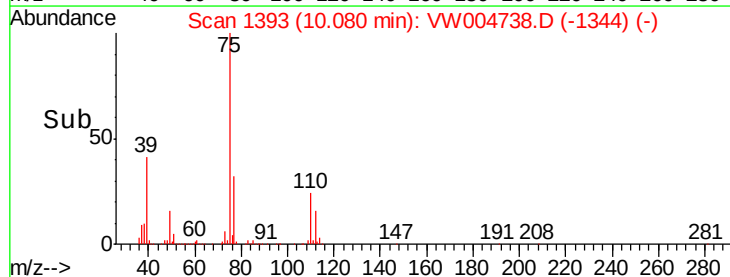
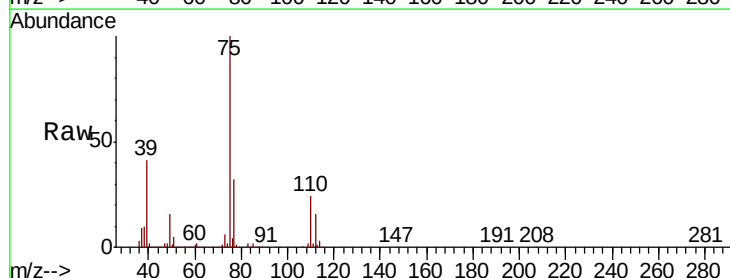
Manual Integrations
APPROVED

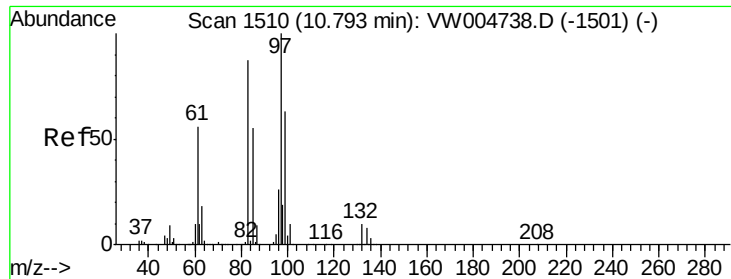
apatel
8/20/2018 9:53:49 AM



#54
cis-1,3-Dichloropropene
Concen: 49.93 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	41.2	33.0	49.4





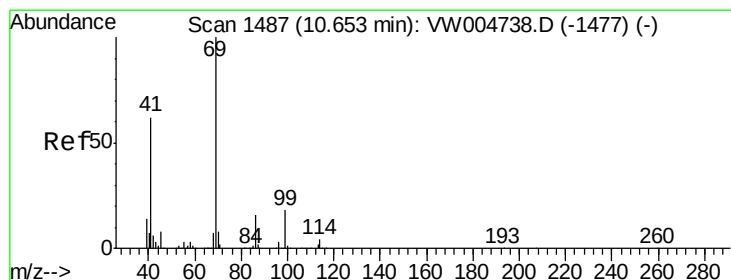
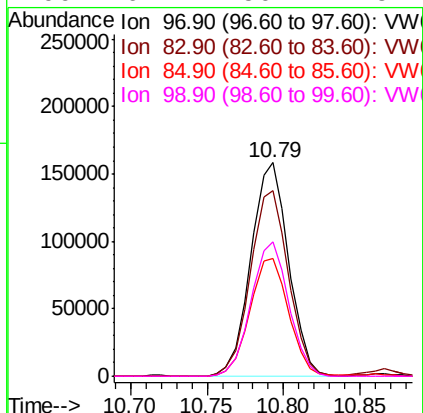
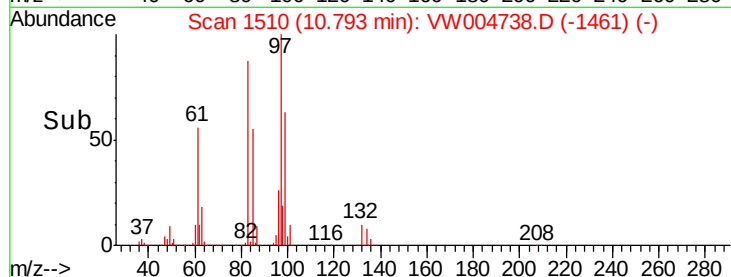
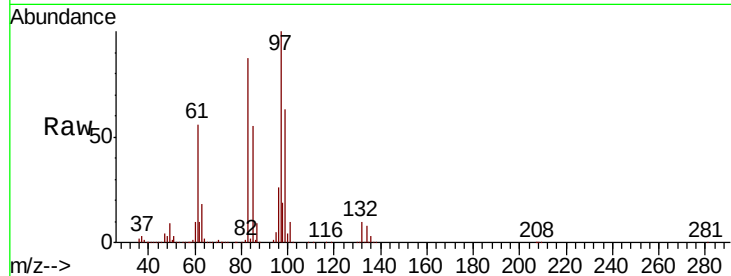
#55
 1,1,2-Trichloroethane
 Concen: 49.06 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.4	104.2
85	55.4	44.3	66.5
99	62.7	50.2	75.2

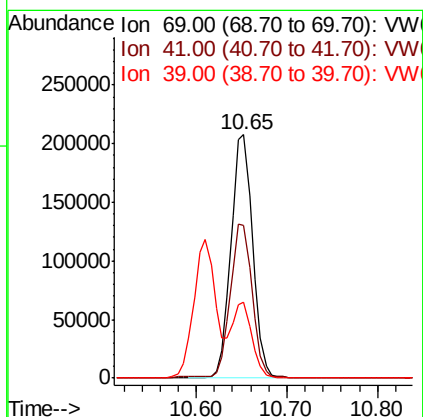
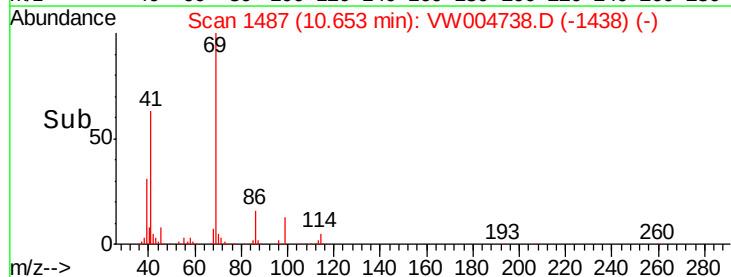
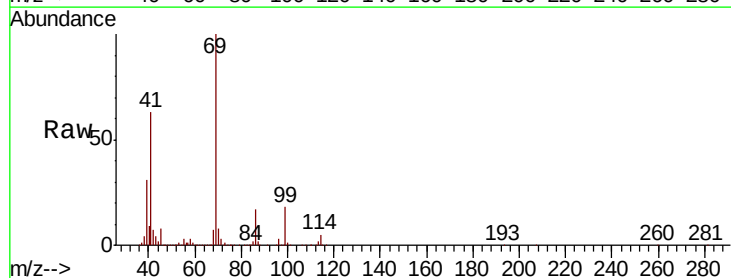
Manual Integrations
 APPROVED

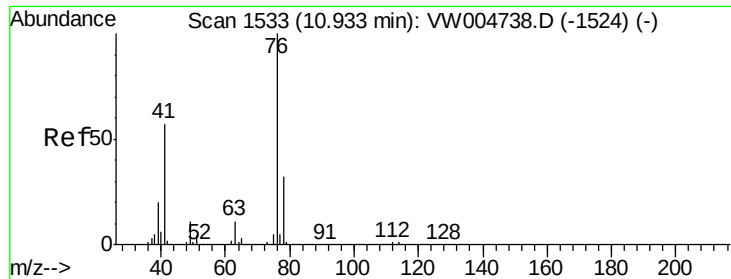
apatel
 8/20/2018 9:53:49 AM



#56
 Ethyl methacrylate
 Concen: 52.77 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.4	50.7	76.1
39	26.8	21.4	32.2





#57

1,3-Dichloropropane

Concen: 49.16 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 471057

Ion Ratio Lower Upper

76 100

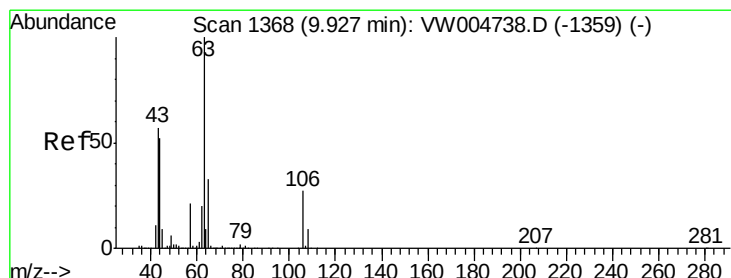
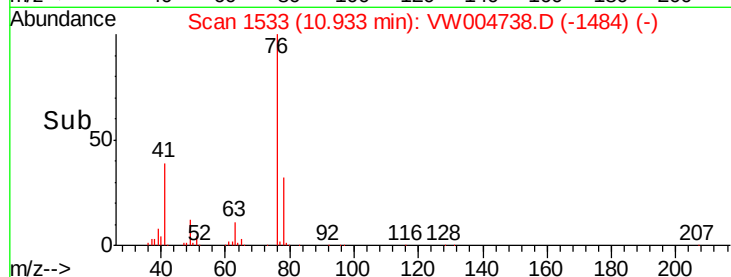
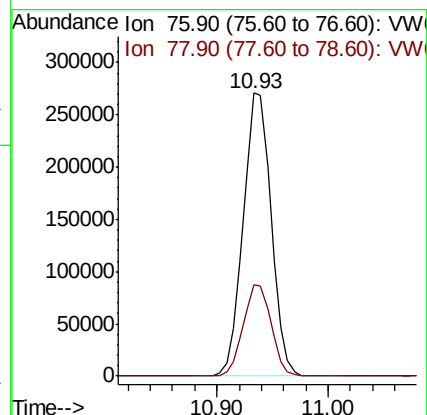
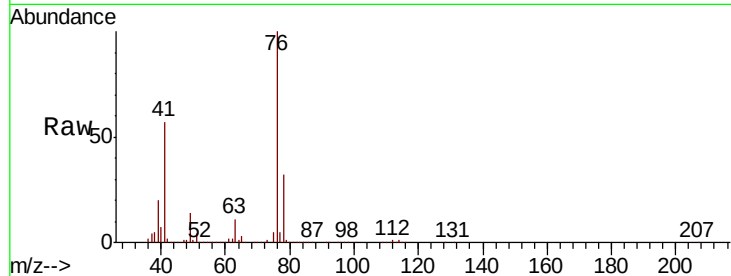
78 32.4 25.9 38.9

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



#58

2-Chloroethyl Vinyl ether

Concen: 258.31 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004738.D

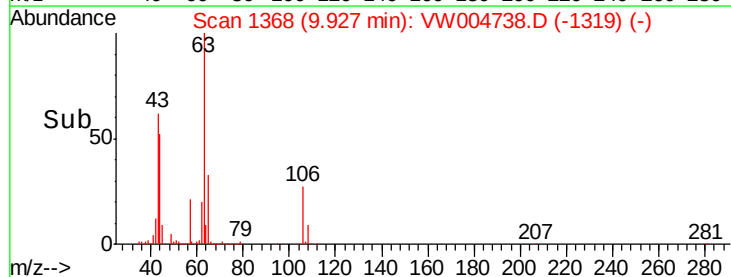
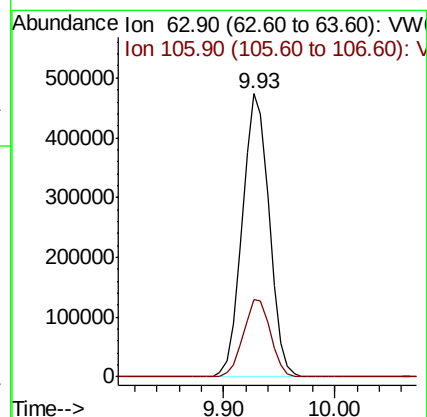
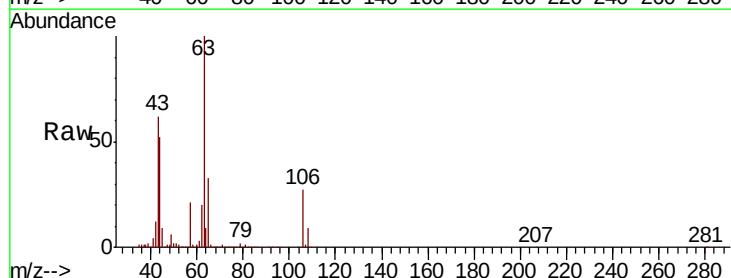
Acq: 17 Aug 2018 17:12

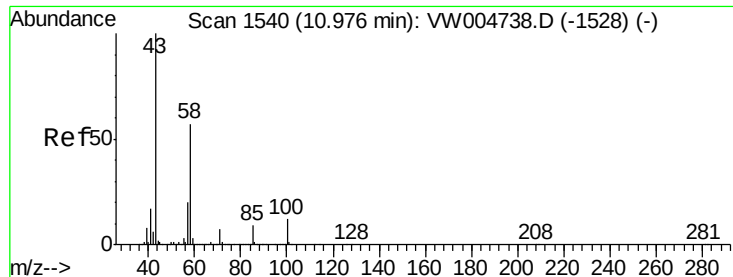
Tgt Ion: 63 Resp: 791831

Ion Ratio Lower Upper

63 100

106 27.6 22.1 33.1





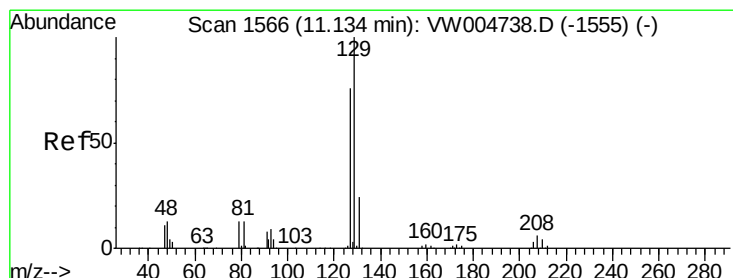
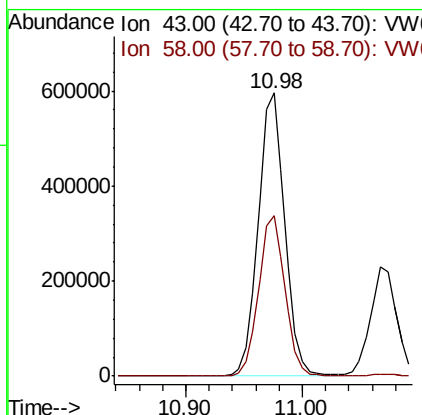
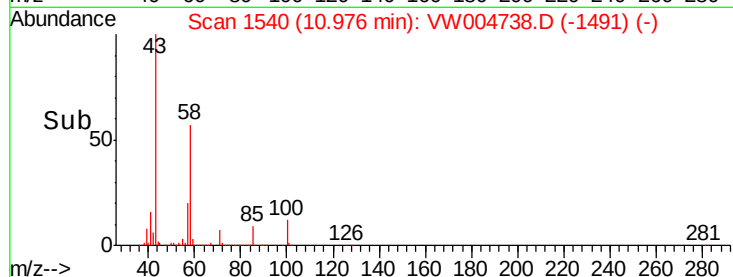
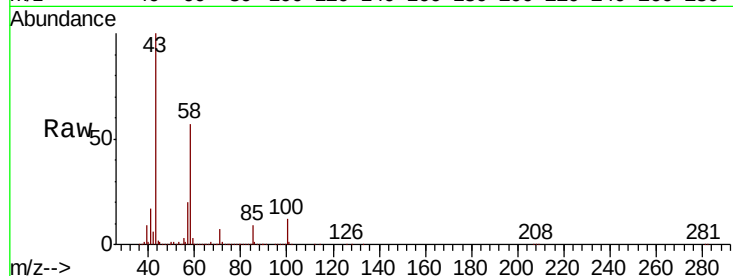
#59
2-Hexanone
Concen: 260.28 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 946266
Ion Ratio Lower Upper
43 100
58 56.3 28.1 84.4

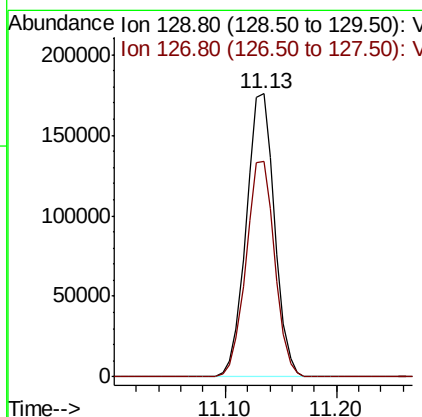
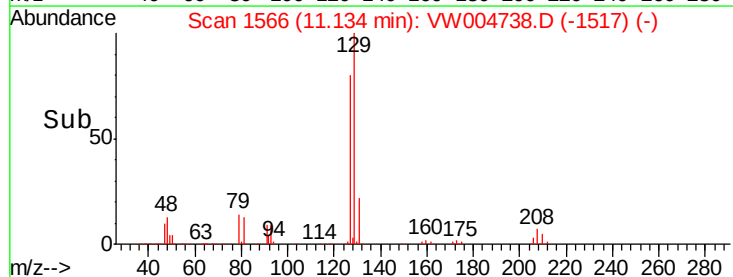
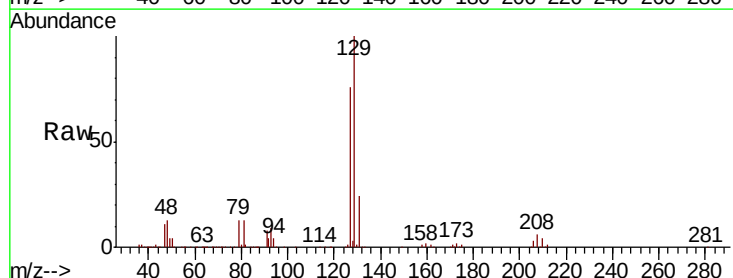
Manual Integrations
APPROVED

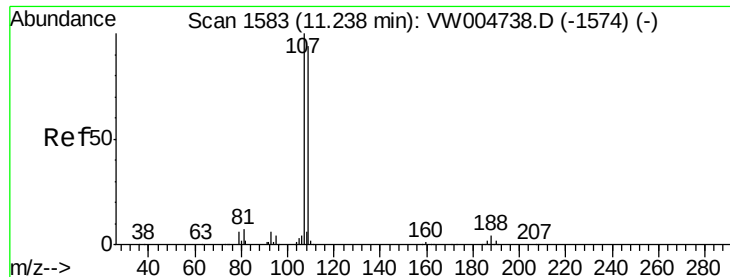
apatel
8/20/2018 9:53:49 AM



#60
Dibromochloromethane
Concen: 50.02 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion: 129 Resp: 311519
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





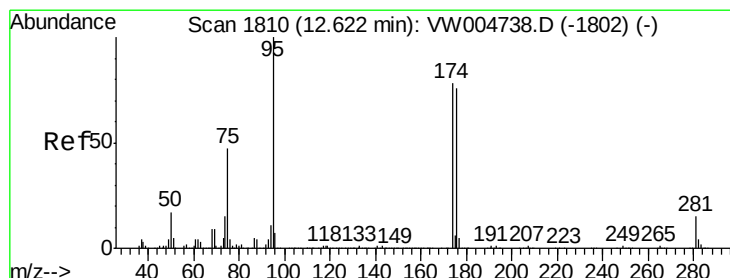
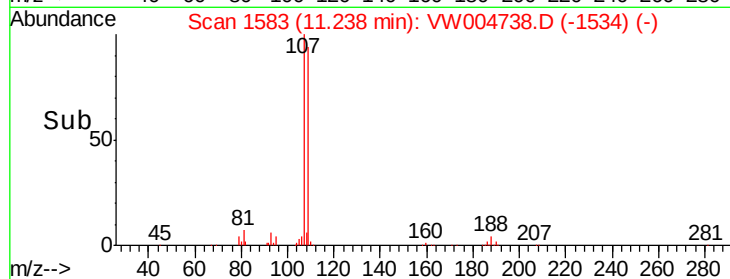
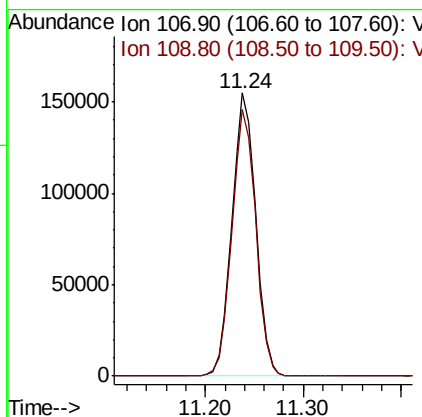
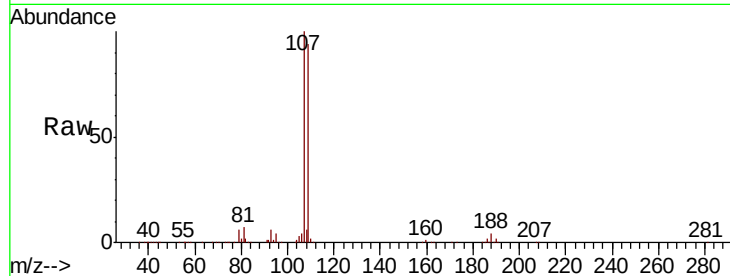
#61
 1,2-Dibromoethane
 Concen: 49.26 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.5	113.3

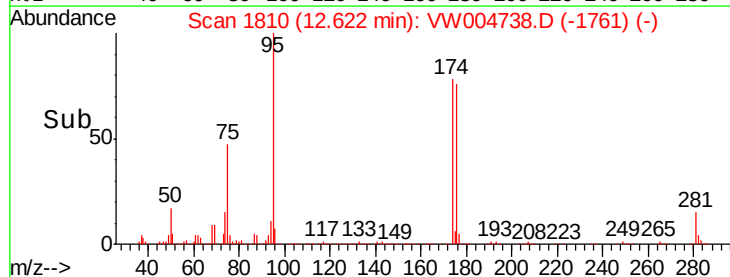
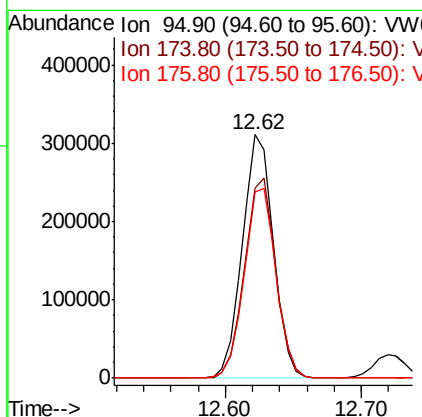
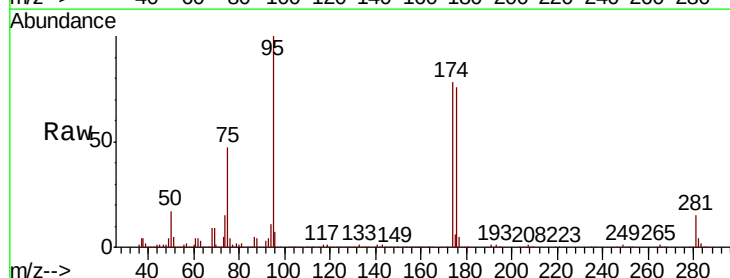
Manual Integrations
 APPROVED

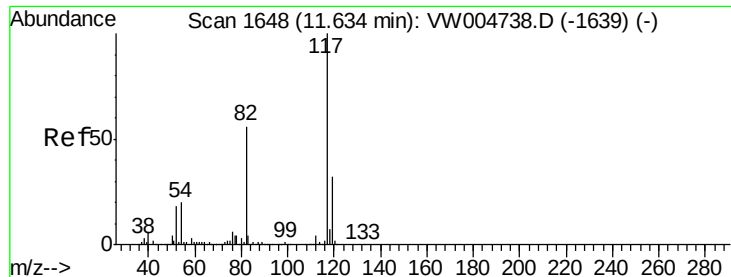
apatel
 8/20/2018 9:53:49 AM



#62
 4-Bromofluorobenzene
 Concen: 51.47 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	165.8
176	79.9	0.0	159.8





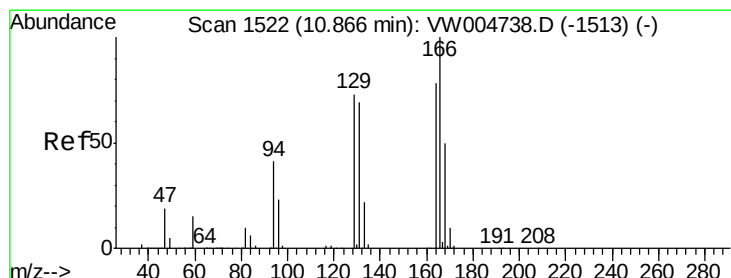
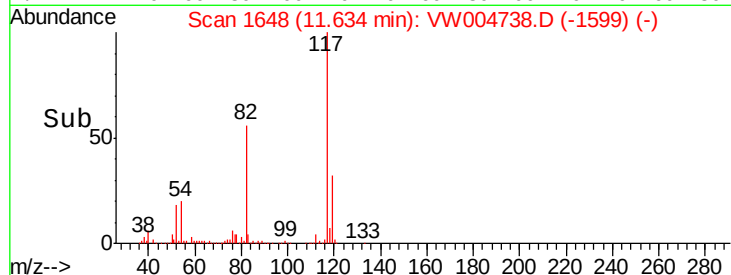
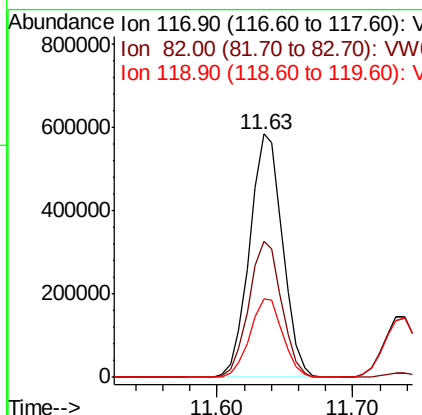
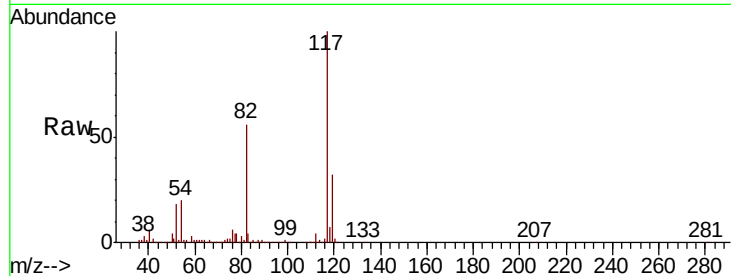
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:	117	Resp:	995870
Ion Ratio	Lower	Upper	
117	100		
82	55.8	44.6	67.0
119	32.0	25.6	38.4

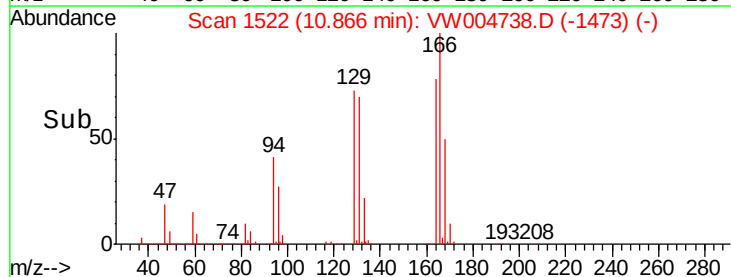
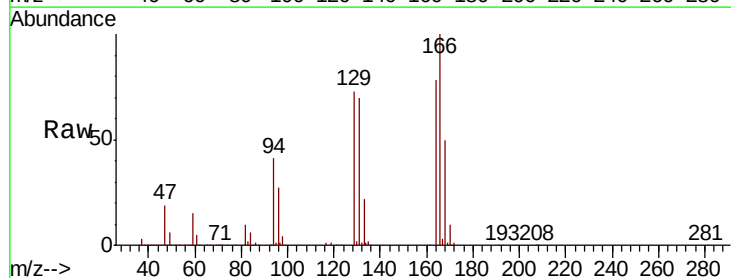
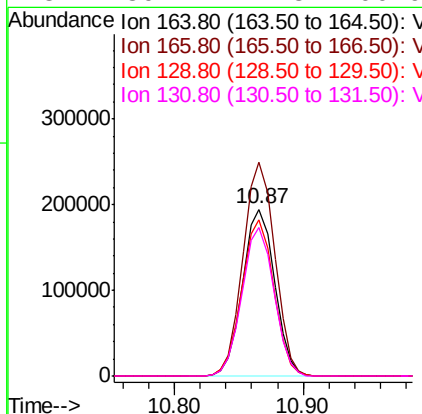
Manual Integrations
APPROVED

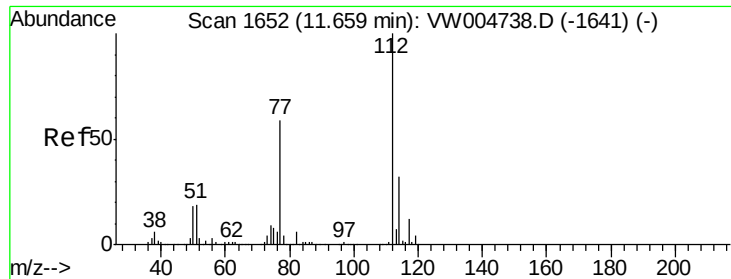
apatel
8/20/2018 9:53:49 AM



#64
Tetrachloroethene
Concen: 49.11 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion:	164	Resp:	334232
Ion Ratio	Lower	Upper	
164	100		
166	128.1	102.5	153.7
129	93.9	75.1	112.7
131	89.1	71.3	106.9





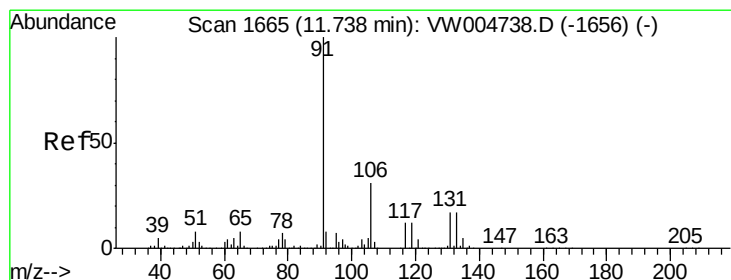
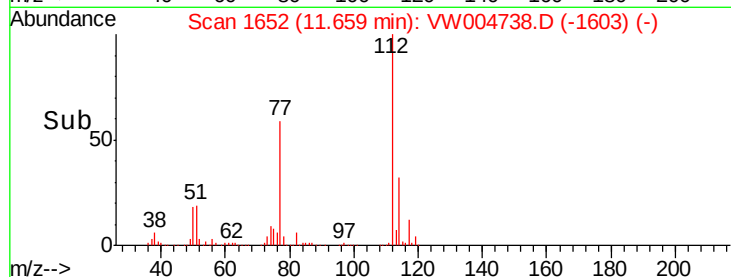
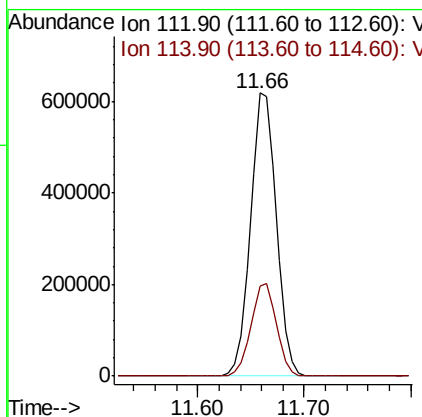
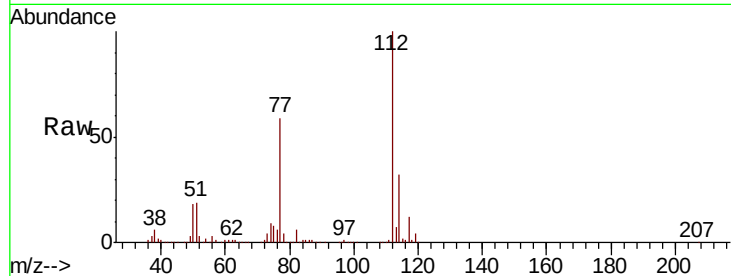
#65
Chlorobenzene
Concen: 49.10 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1052497
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

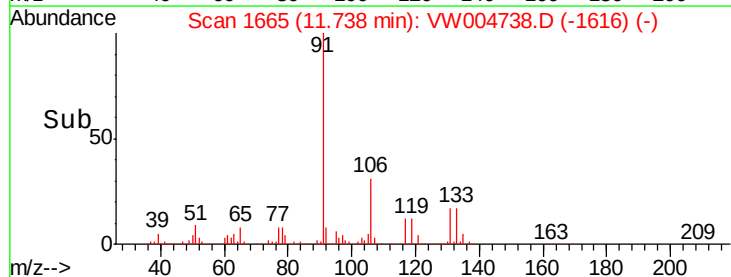
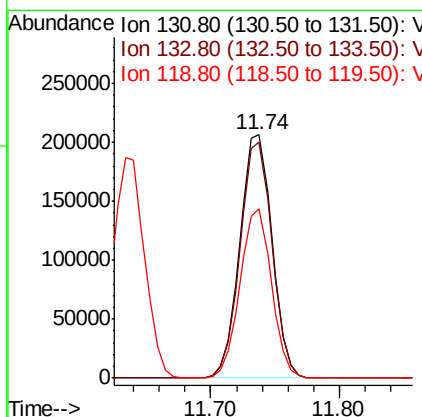
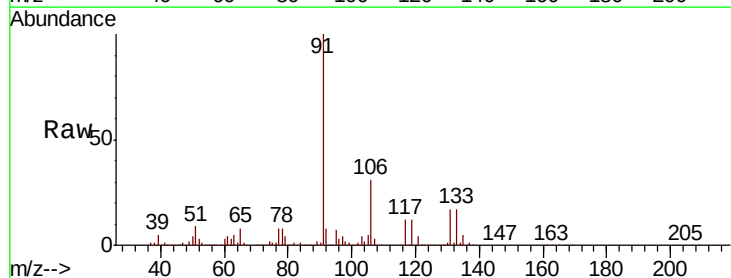
Manual Integrations
APPROVED

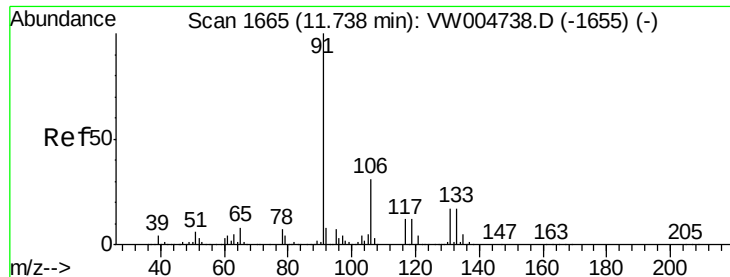
apatel
8/20/2018 9:53:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.19 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion:131 Resp: 356025
Ion Ratio Lower Upper
131 100
133 96.4 48.2 144.6
119 68.0 34.0 102.0





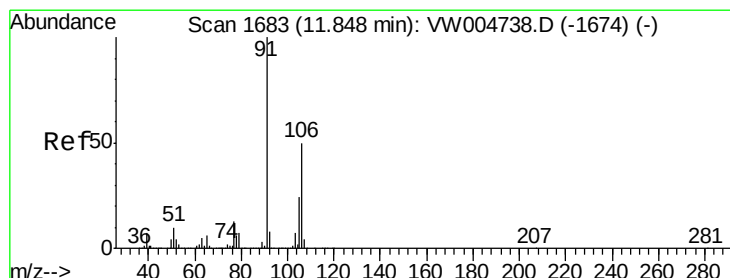
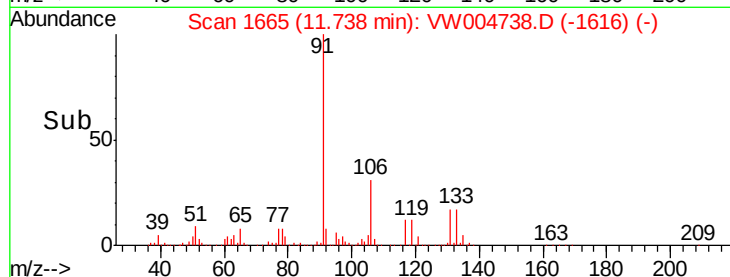
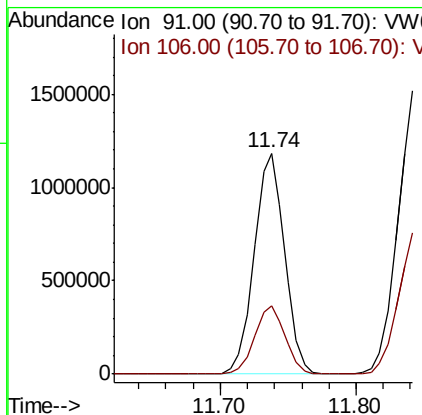
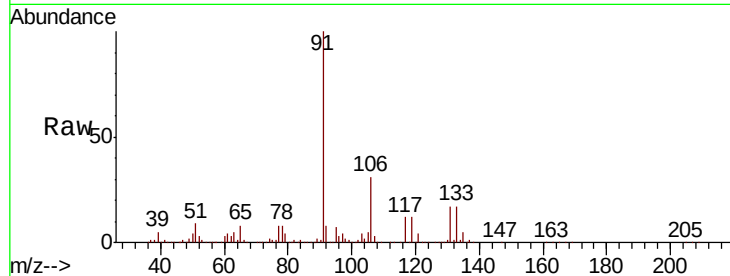
#67
Ethyl Benzene
Concen: 51.07 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1855837
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

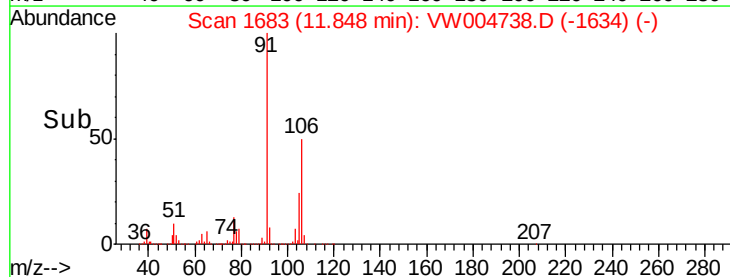
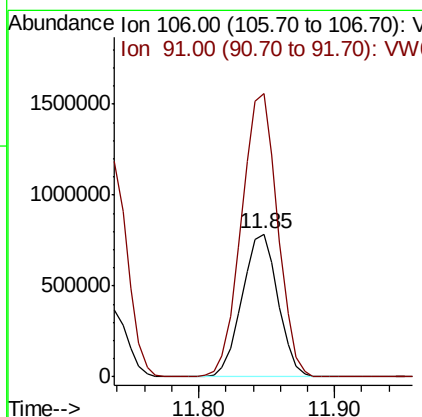
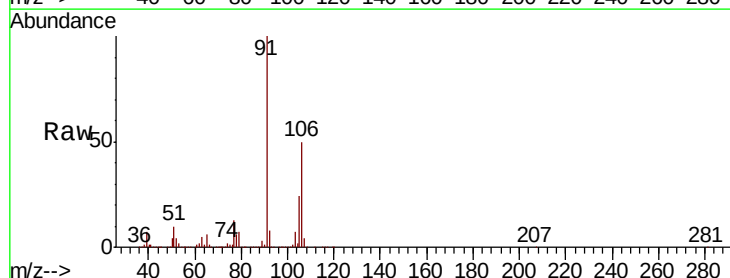
Manual Integrations
APPROVED

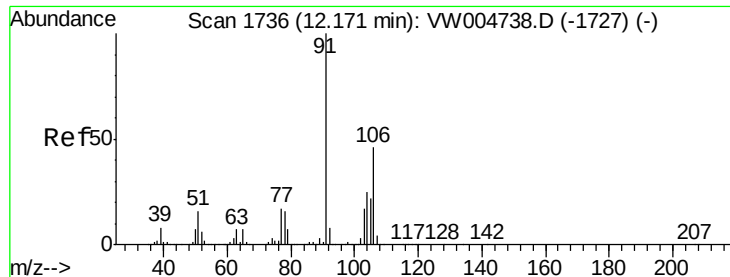
apatel
8/20/2018 9:53:49 AM



#68
m/p-Xylenes
Concen: 102.51 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion: 106 Resp: 1449238
Ion Ratio Lower Upper
106 100
91 199.9 159.9 239.9





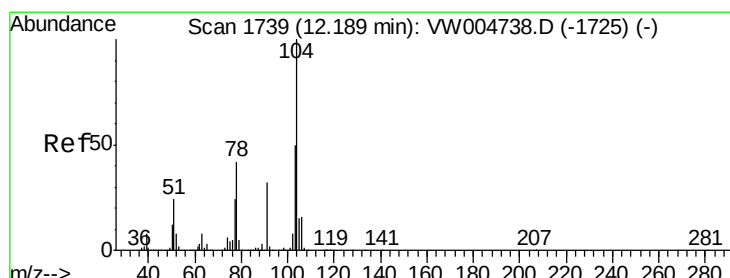
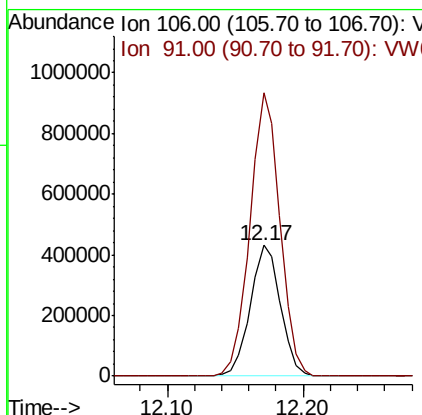
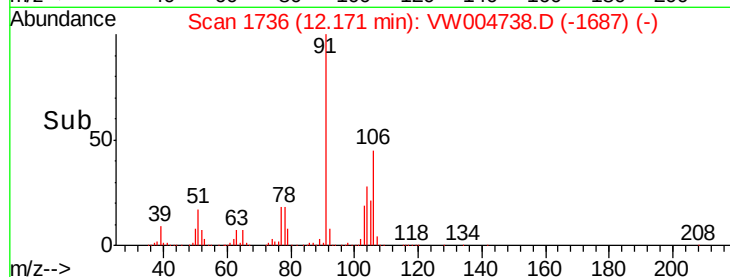
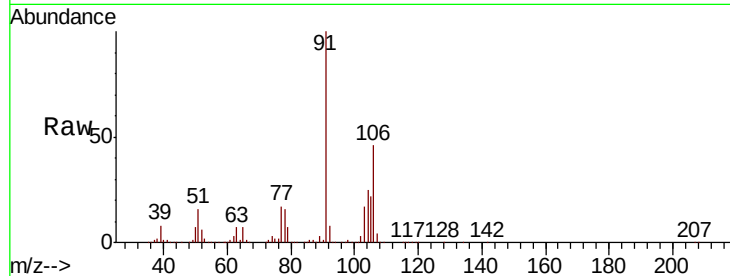
#69
o-Xylene
Concen: 51.46 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.5	107.3	321.8	

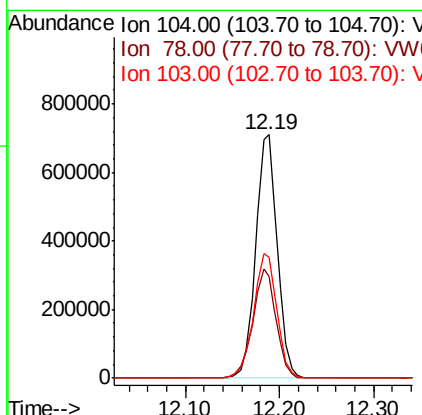
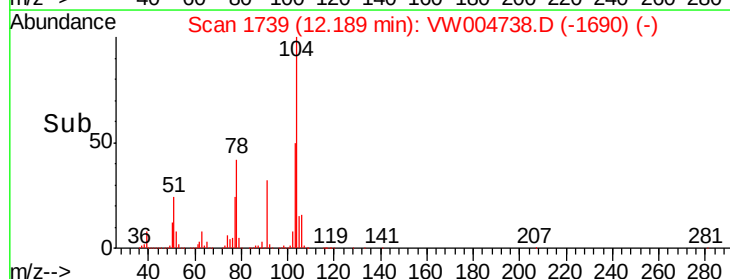
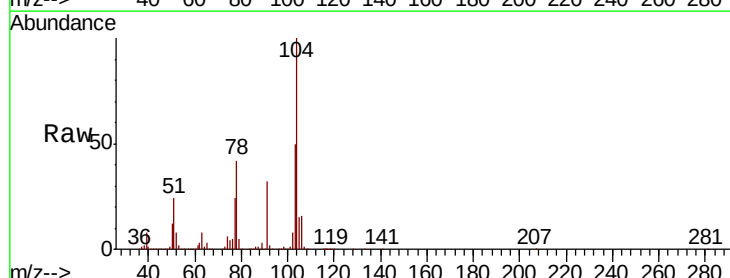
Manual Integrations
APPROVED

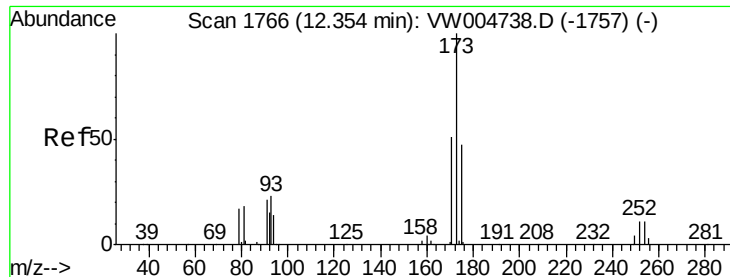
apatel
8/20/2018 9:53:49 AM



#70
Styrene
Concen: 52.26 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.0	38.4	57.6	
103	55.1	44.1	66.1	





#71

Bromoform

Concen: 50.36 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

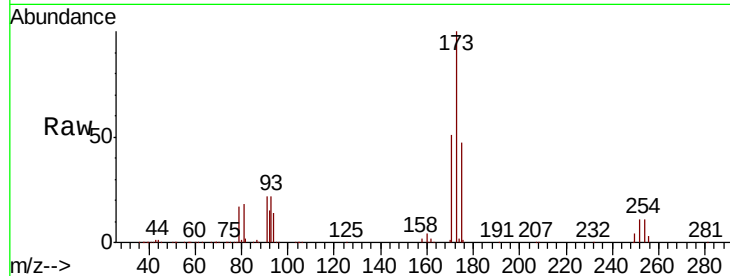
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
173	100	192382		
175	47.6	23.8	71.4	
254	0.1	0.1	0.1#	

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM

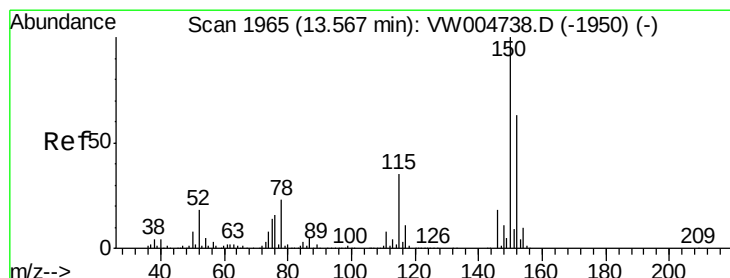
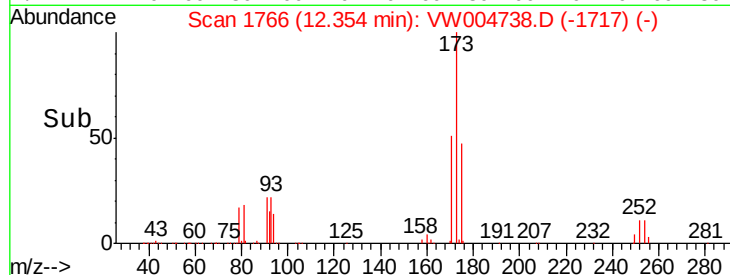
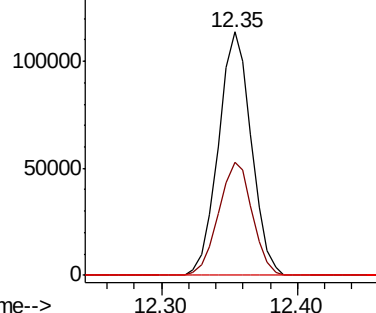


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

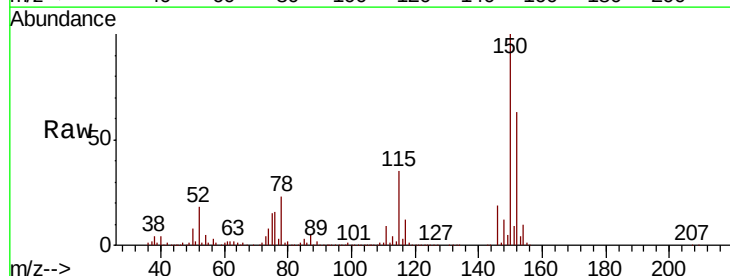
RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	538093		
115	57.0	28.5	85.5	
150	172.4	0.0	344.8	

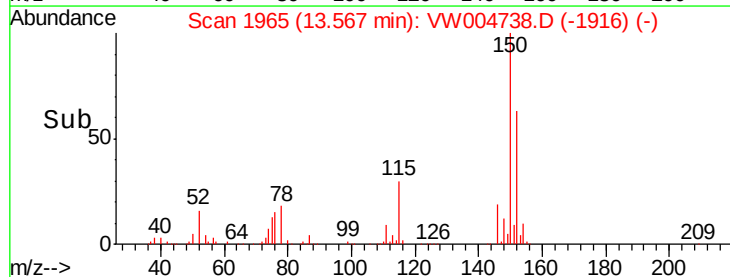
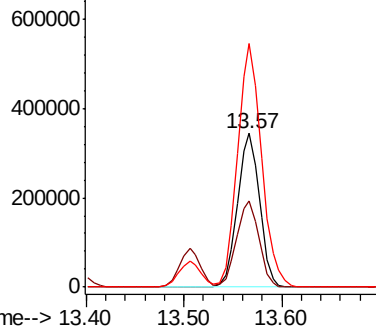


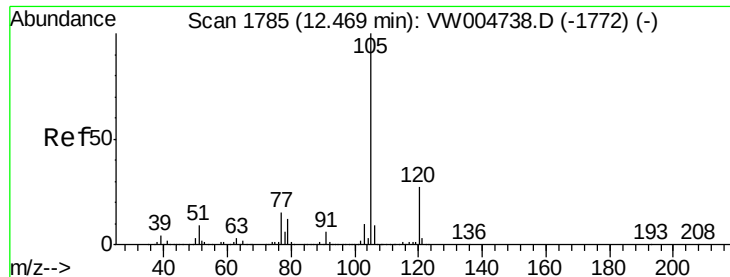
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.30 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1878076

Ion Ratio Lower Upper

105 100

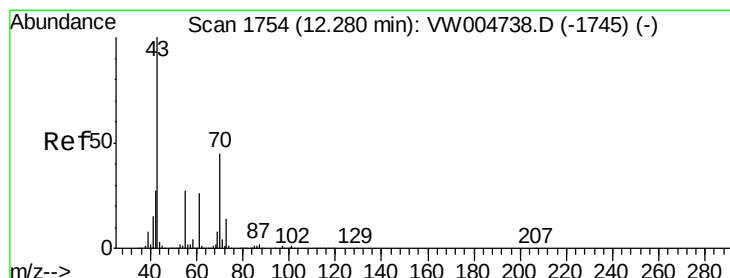
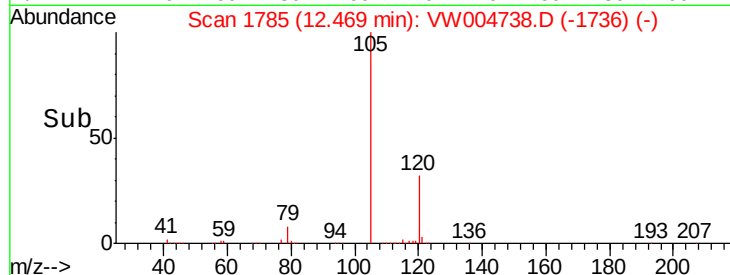
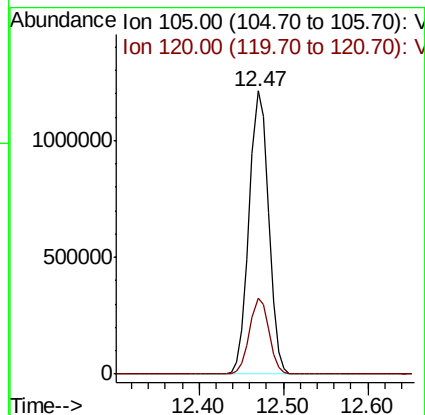
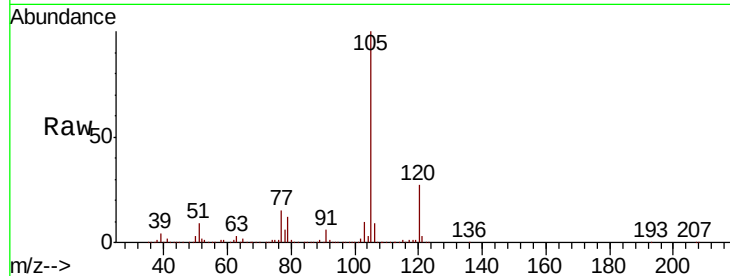
120 26.6 13.3 39.9

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



#74

N-ethyl acetate

Concen: 50.51 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion: 43 Resp: 387615

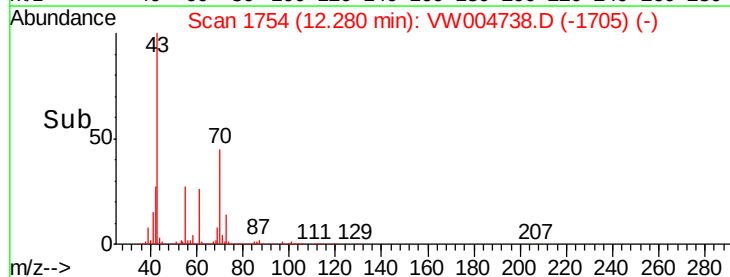
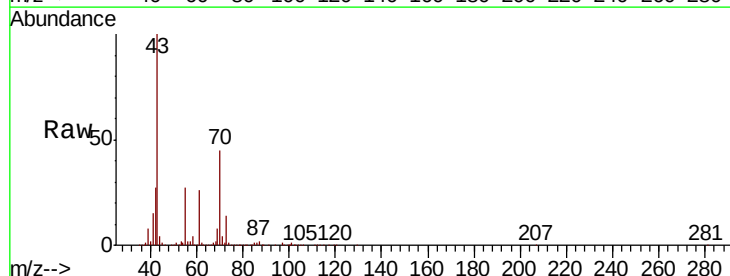
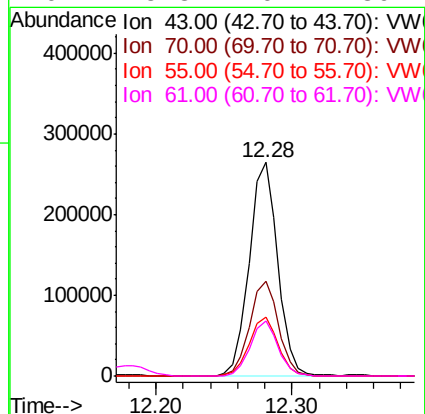
Ion Ratio Lower Upper

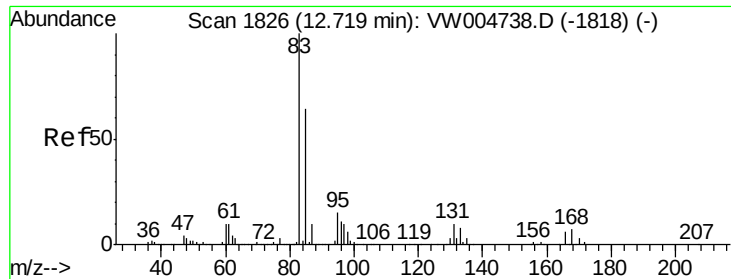
43 100

70 45.4 36.3 54.5

55 28.2 22.6 33.8

61 25.3 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.05 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

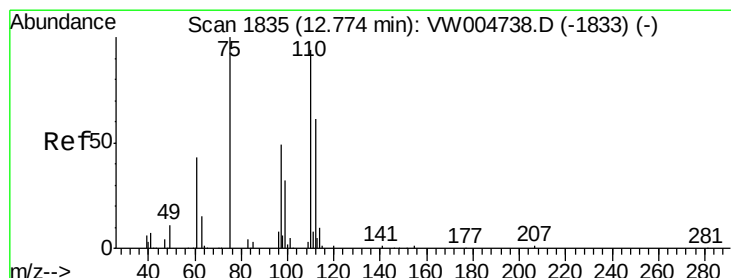
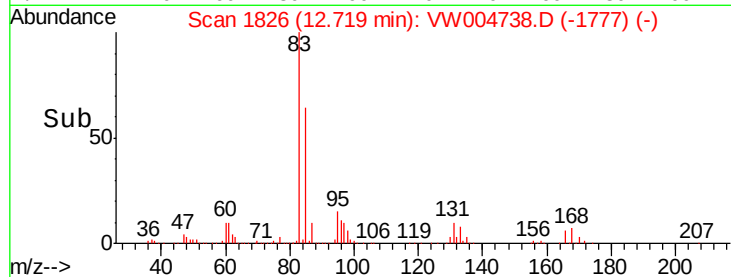
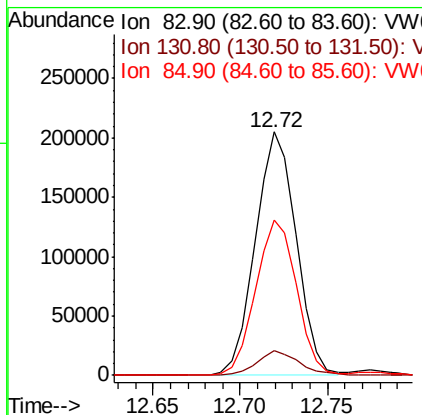
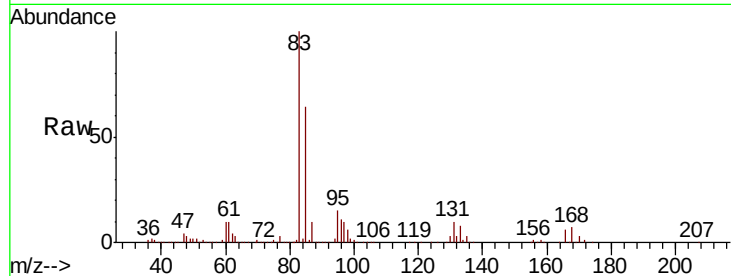
ClientSampled :

VSTDICCC050

Tot Ion:	83	Resp:	332654
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	63.9	31.9	95.9

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#76

1,2,3-Trichloropropane

Concen: 27.45 ug/l m

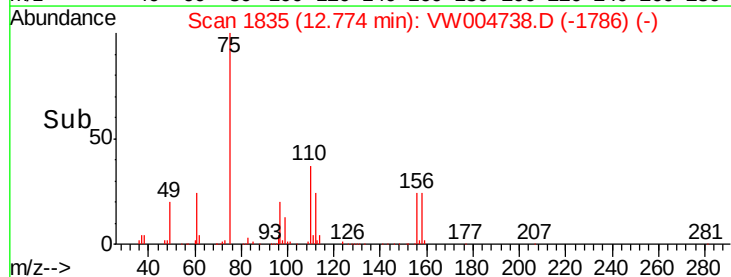
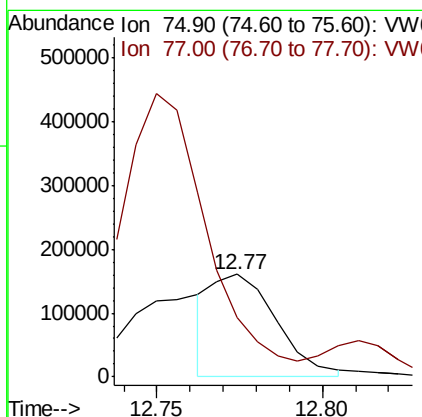
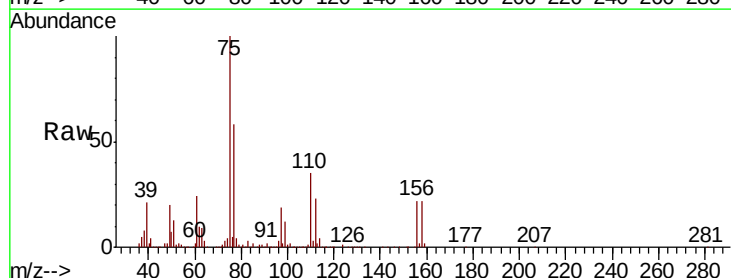
RT: 12.77 min Scan# 1835

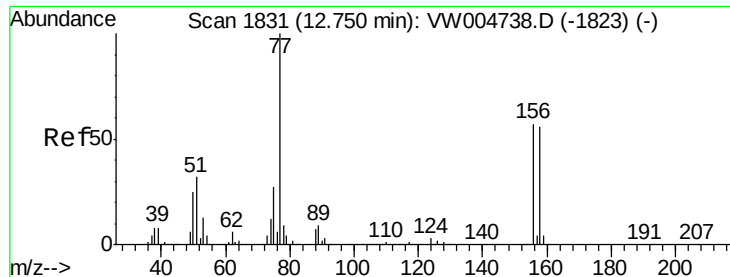
Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion:	75	Resp:	218789
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.05 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

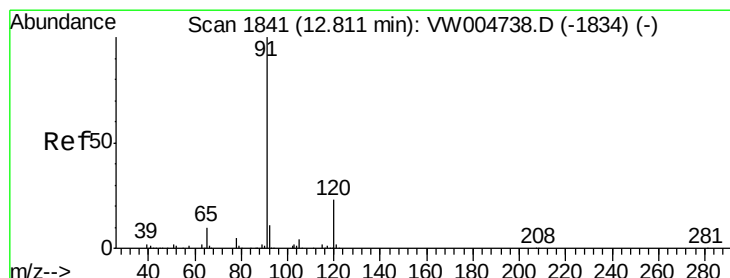
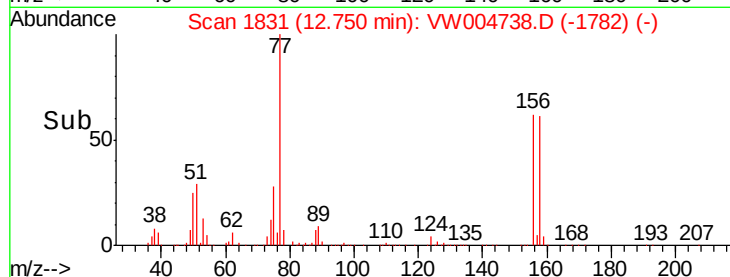
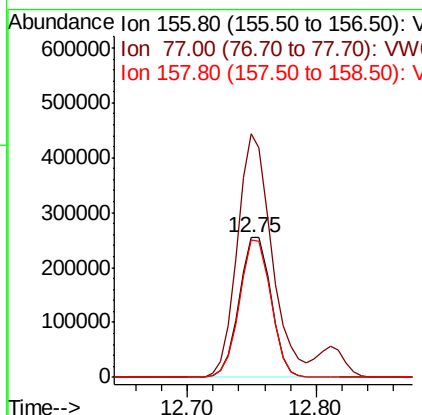
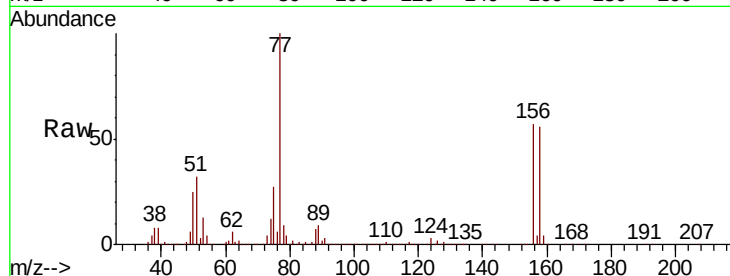
ClientSampled :

VSTDICCC050

Tot Ion:	156	Resp:	434636
Ion Ratio	Lower	Upper	
156	100		
77	188.3	94.2	282.4
158	97.3	48.6	145.9

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#78

n-propylbenzene

Concen: 51.41 ug/l

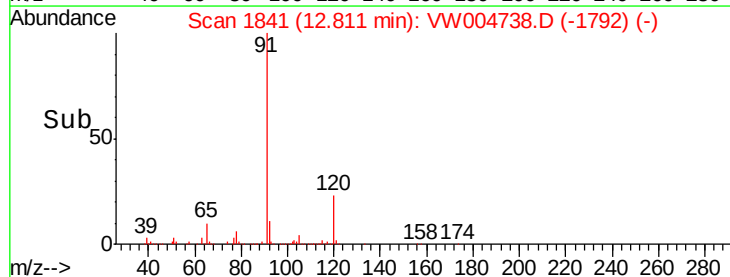
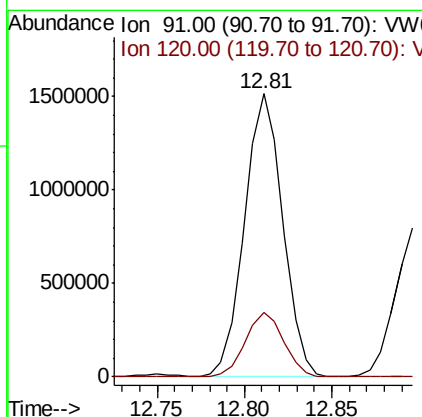
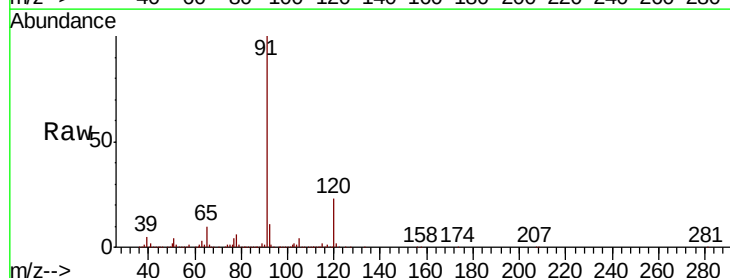
RT: 12.81 min Scan# 1841

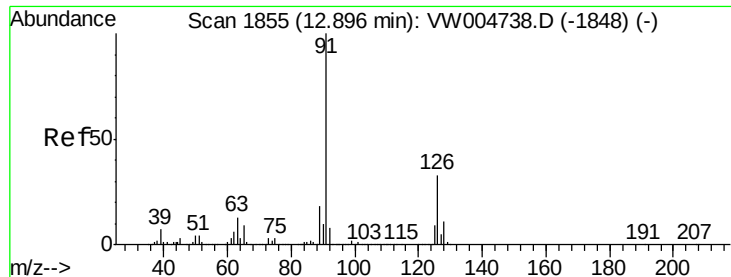
Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Tgt Ion:	91	Resp:	2296739
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.2





#79

2-Chlorotoluene

Concen: 49.95 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004738.D

Acq: 17 Aug 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 1286110

Ion Ratio Lower Upper

91 100

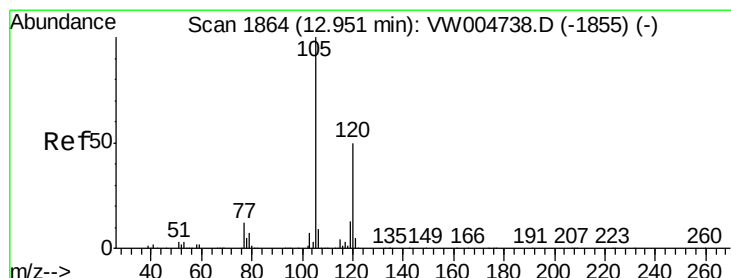
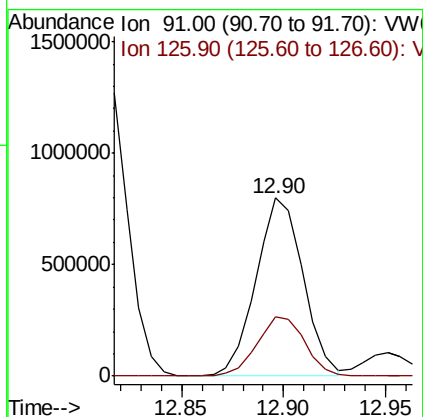
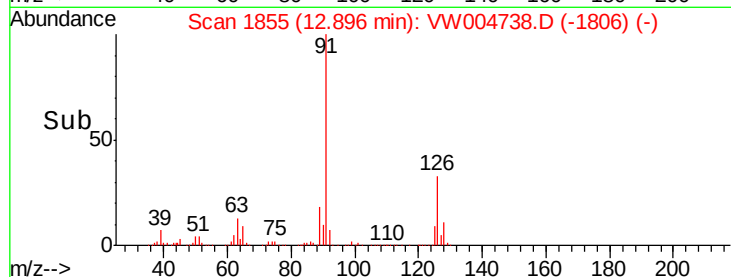
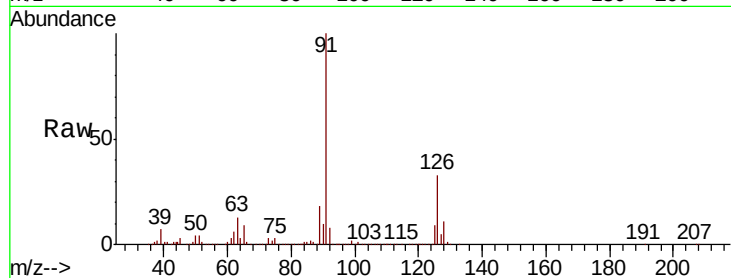
126 34.0 17.0 51.0

Manual Integrations

APPROVED

apatel

8/20/2018 9:53:49 AM



#80

1,3,5-Trimethylbenzene

Concen: 51.46 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004738.D

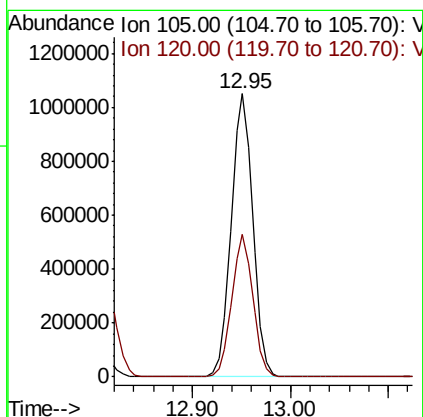
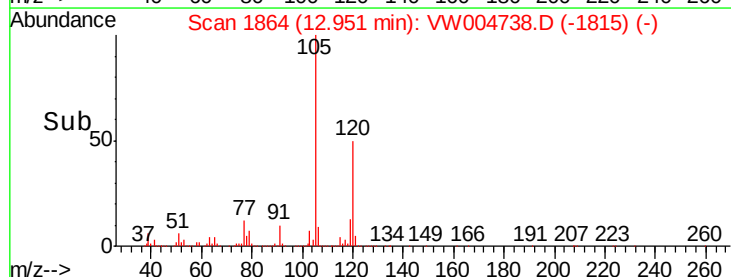
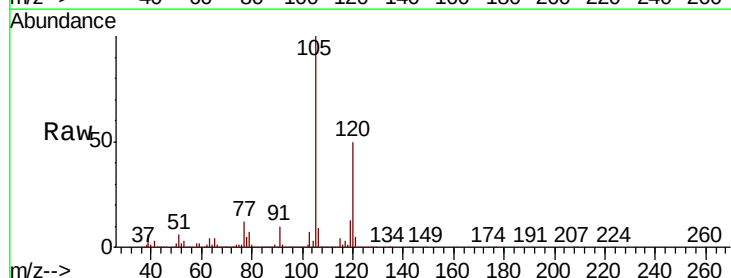
Acq: 17 Aug 2018 17:12

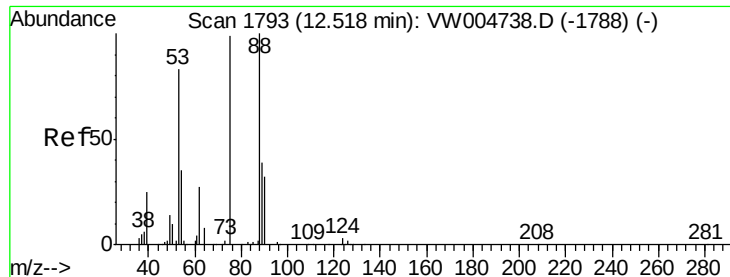
Tgt Ion: 105 Resp: 1600419

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





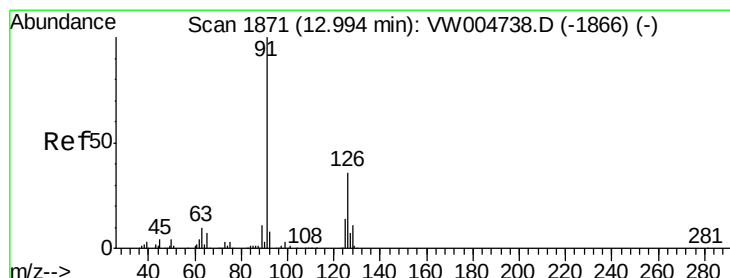
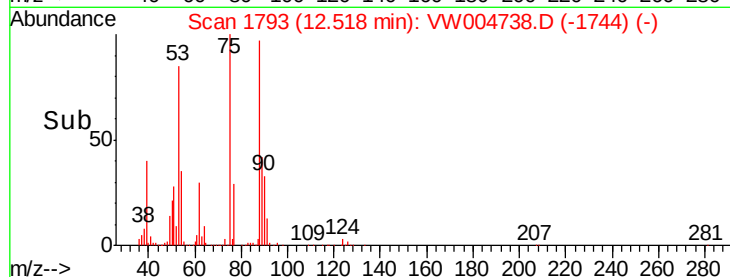
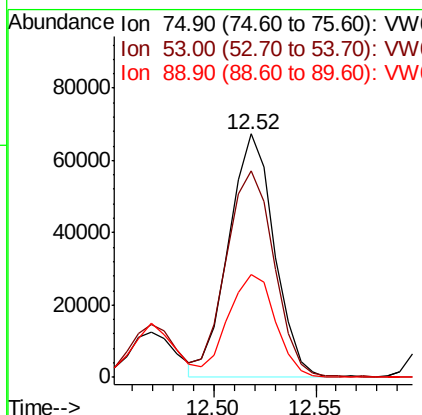
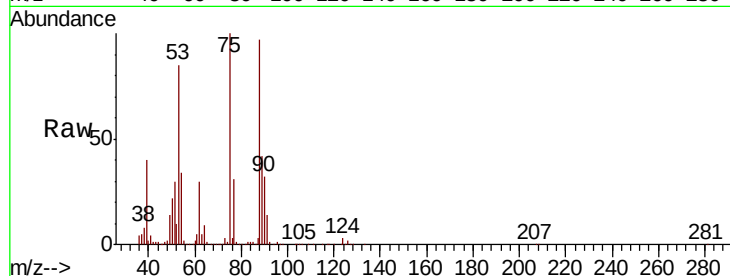
#81
trans-1,4-Dichloro-2-butene
Concen: 50.79 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	72.2	108.4
89	44.0	35.2	52.8

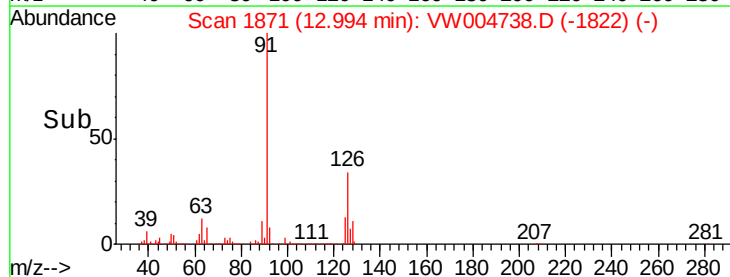
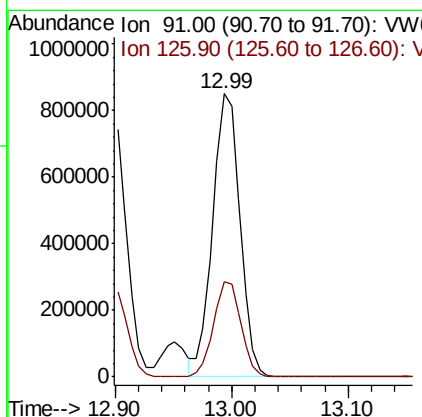
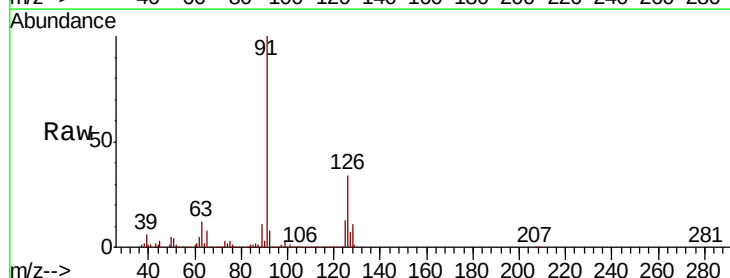
Manual Integrations
APPROVED

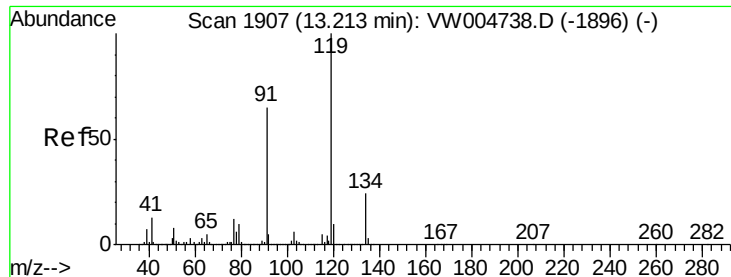
apatel
8/20/2018 9:53:49 AM



#82
4-Chlorotoluene
Concen: 50.15 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.7





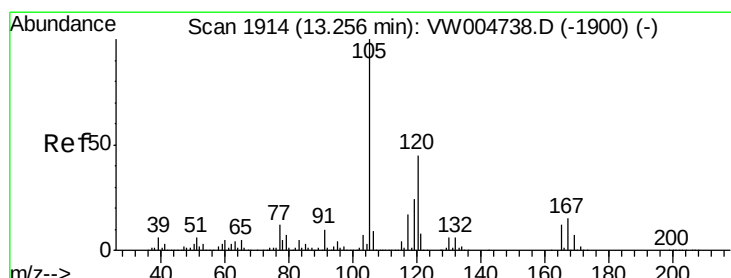
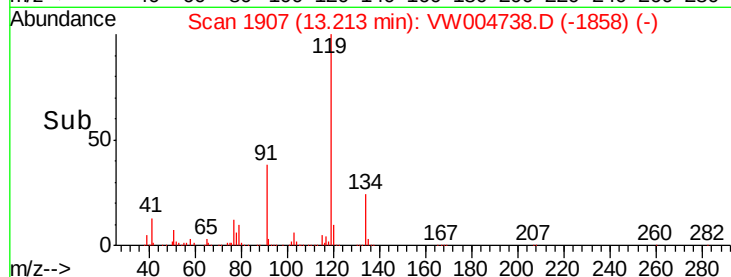
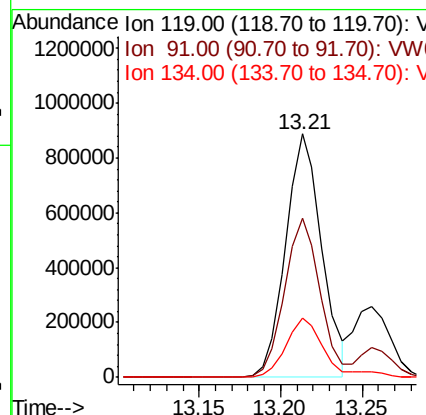
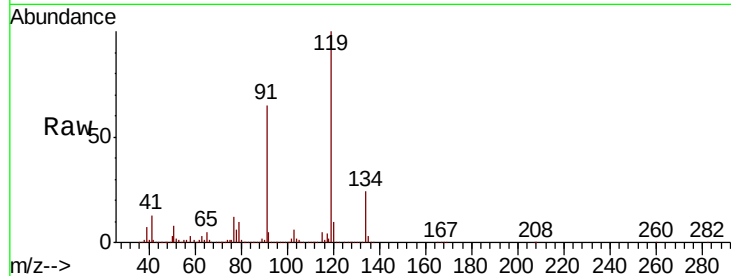
#83
 tert-Butylbenzene
 Concen: 51.41 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.6	97.8
134	26.2	13.1	39.3

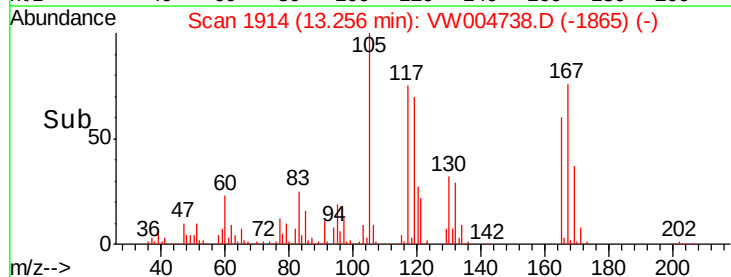
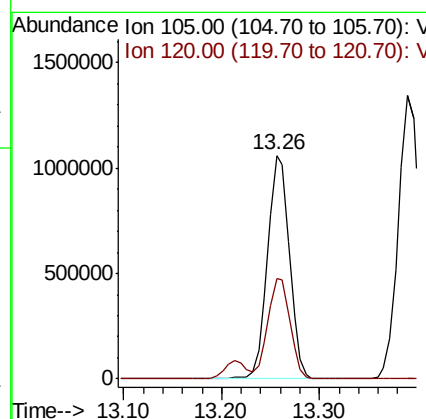
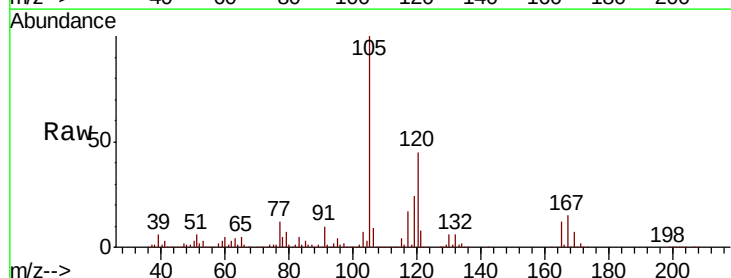
Manual Integrations
 APPROVED

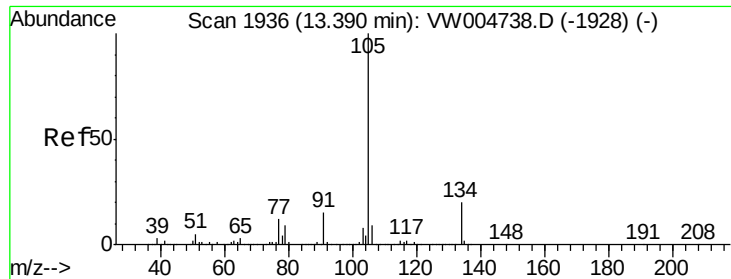
apatel
 8/20/2018 9:53:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.61 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





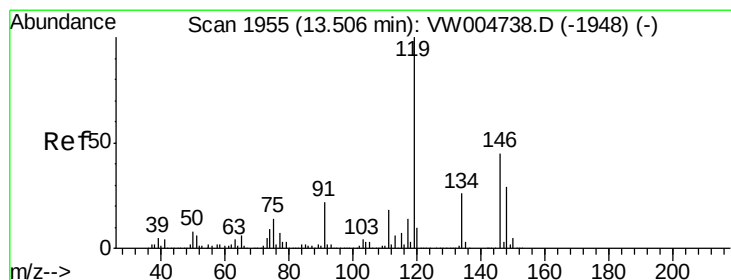
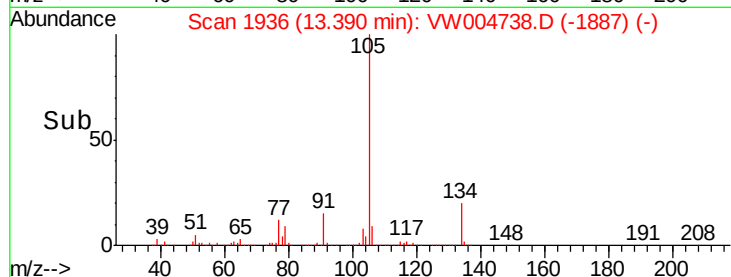
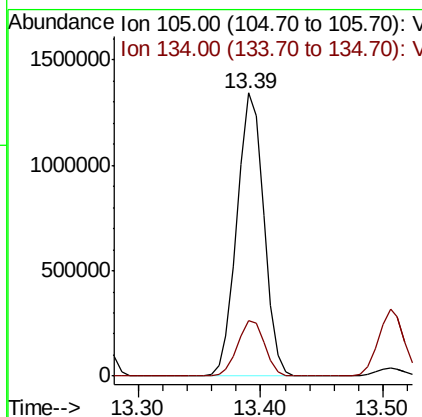
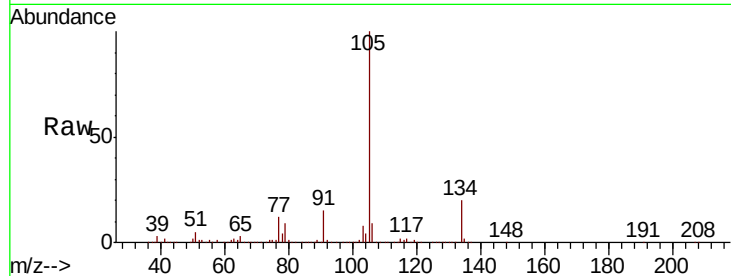
#85
 sec-Butylbenzene
 Concen: 51.40 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:105 Resp: 2041509
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.0 29.8

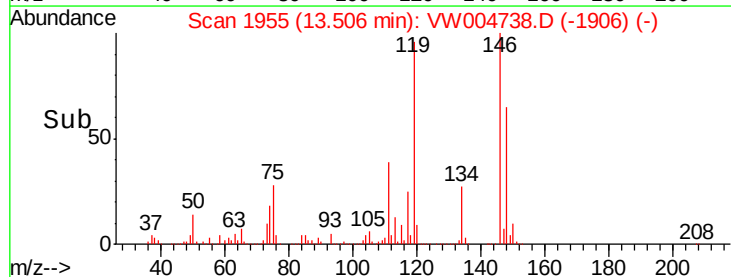
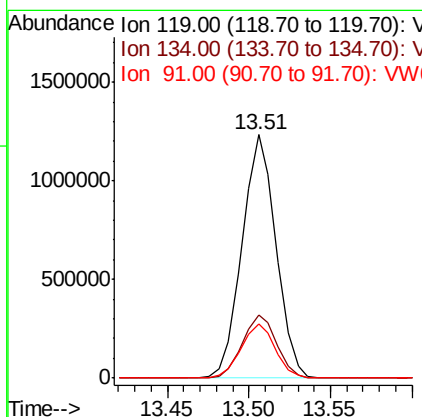
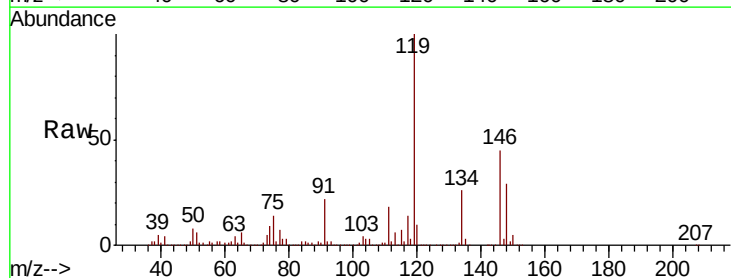
Manual Integrations
 APPROVED

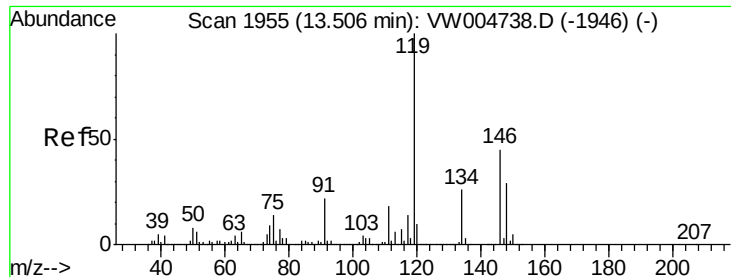
apatel
 8/20/2018 9:53:49 AM



#86
 p-Isopropyltoluene
 Concen: 51.65 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion:119 Resp: 1784903
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.1 39.3
 91 22.3 11.2 33.5





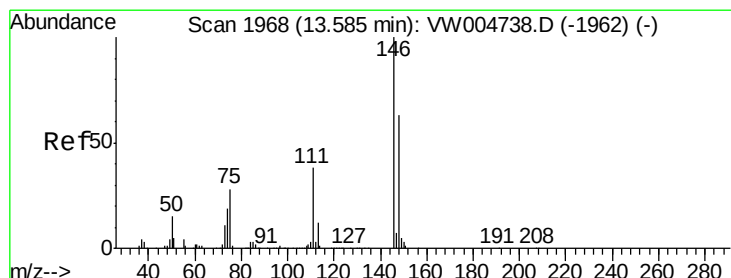
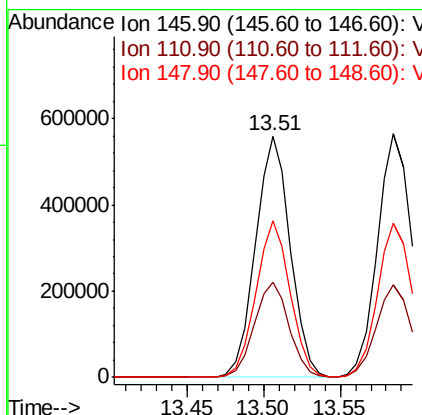
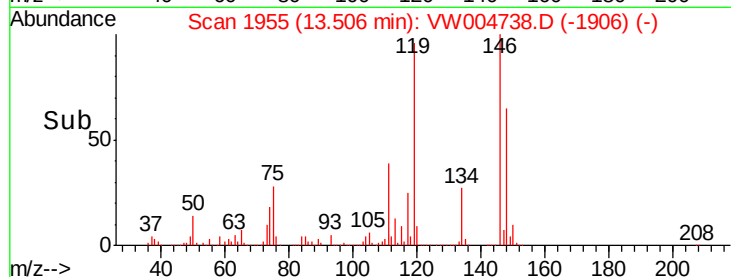
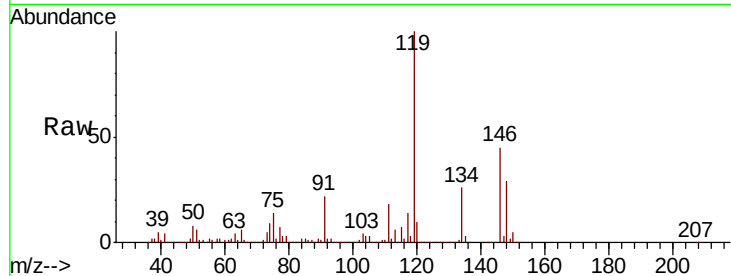
#87
 1,3-Dichlorobenzene
 Concen: 48.83 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	880062		
111	39.6		19.8	59.4
148	63.9		31.9	95.9

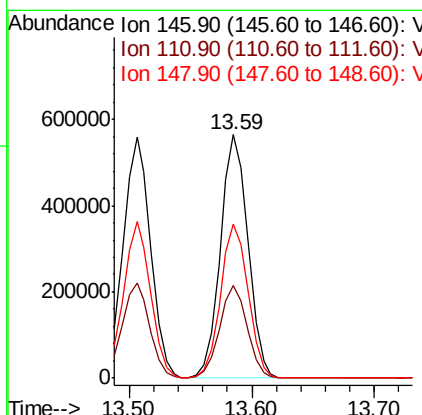
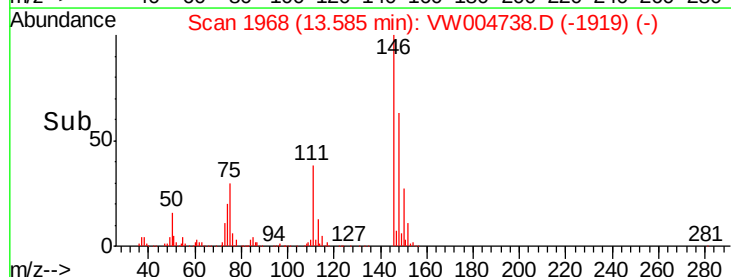
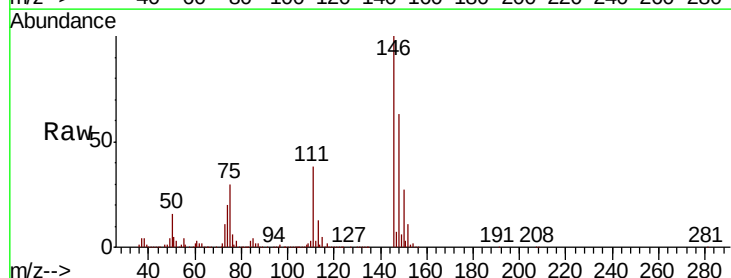
Manual Integrations
 APPROVED

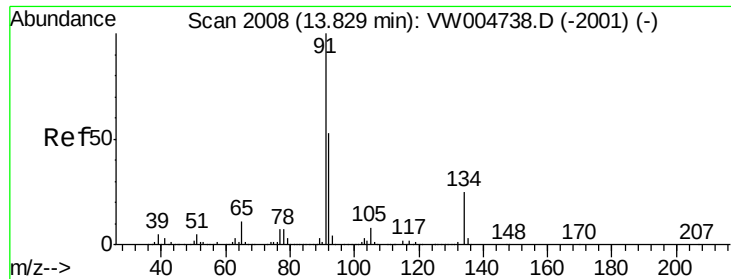
apatel
 8/20/2018 9:53:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.76 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	878376		
111	38.5		19.3	57.8
148	63.5		31.8	95.3





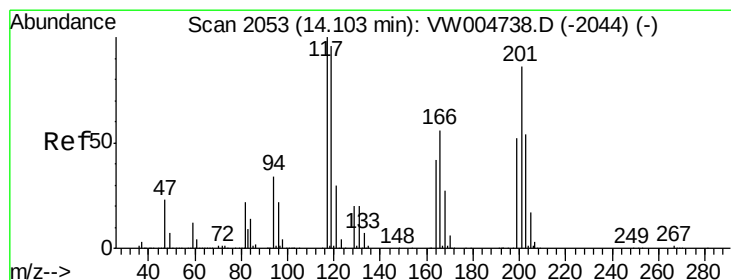
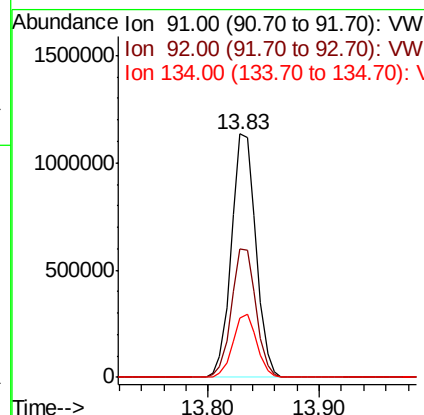
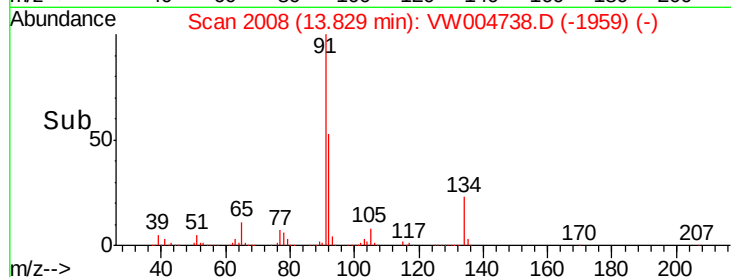
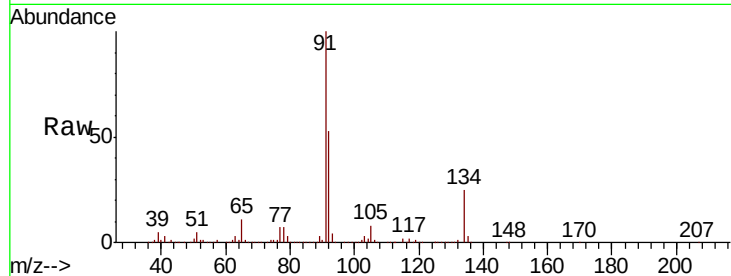
#89
n-Butylbenzene
Concen: 51.49 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1720170
Ion Ratio Lower Upper
91 100
92 52.8 26.4 79.2
134 25.5 12.8 38.3

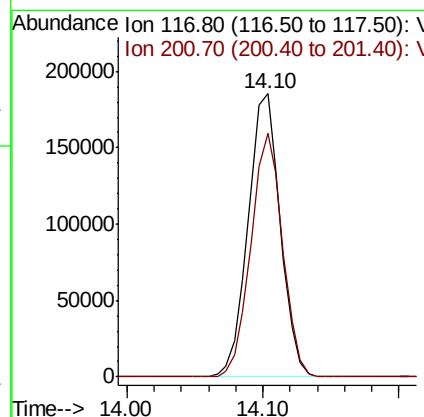
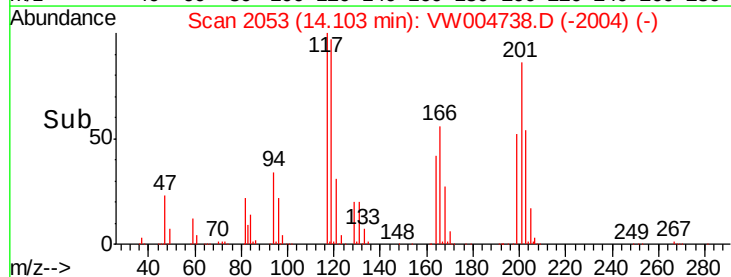
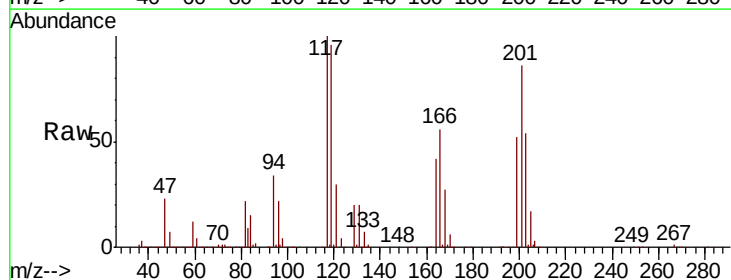
Manual Integrations
APPROVED

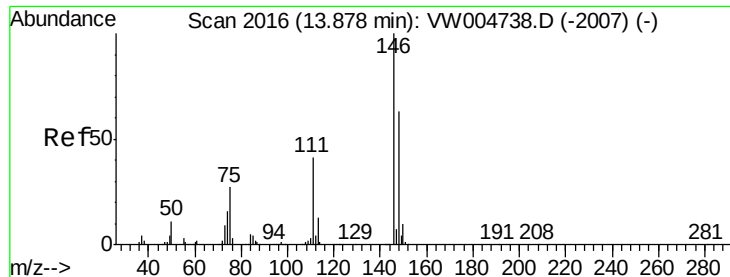
apatel
8/20/2018 9:53:49 AM



#90
Hexachloroethane
Concen: 48.75 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion: 117 Resp: 307040
Ion Ratio Lower Upper
117 100
201 84.8 42.4 127.2





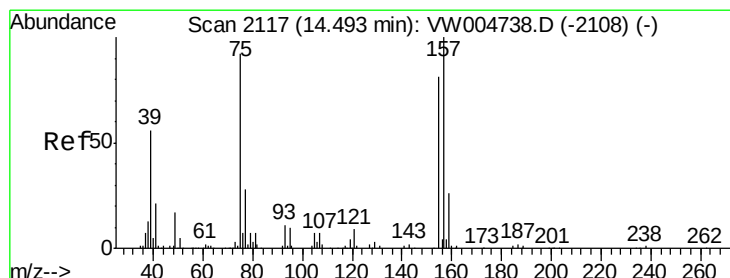
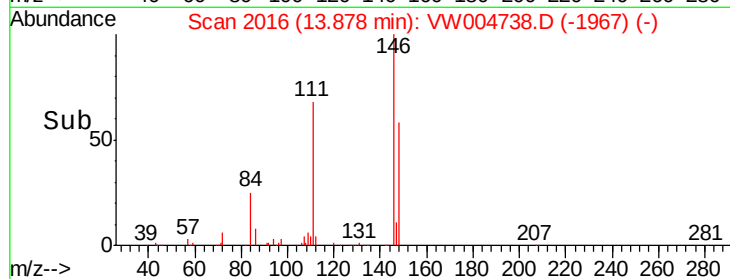
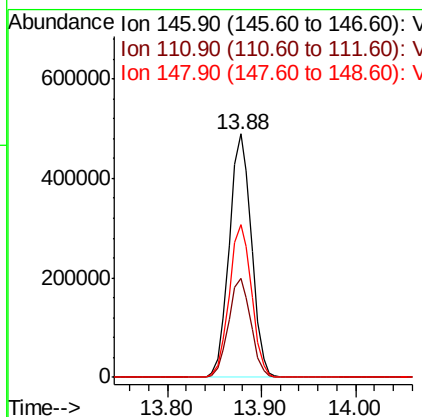
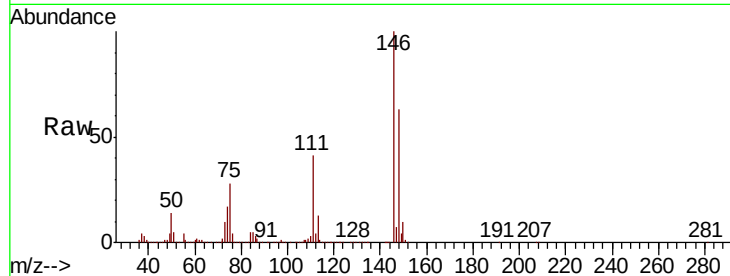
#91
 1,2-Dichlorobenzene
 Concen: 49.16 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	146	Resp:	795873
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.4	61.3
148	63.3	31.6	95.0

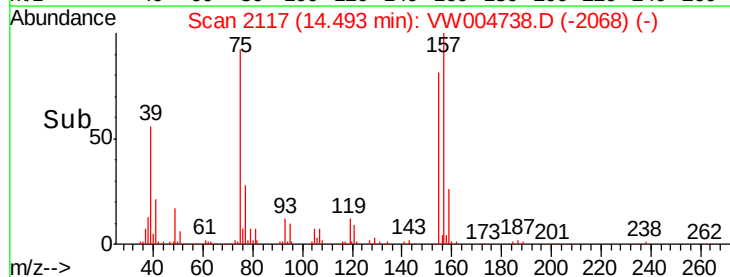
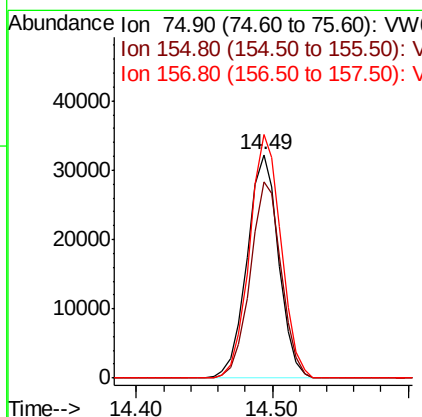
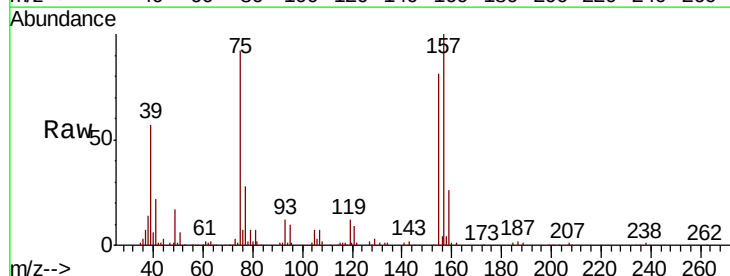
Manual Integrations
 APPROVED

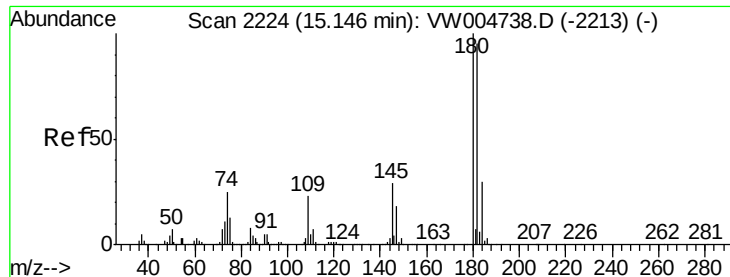
apatel
 8/20/2018 9:53:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.36 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion:	75	Resp:	52312
Ion Ratio	Lower	Upper	
75	100		
155	86.6	43.3	129.9
157	109.1	54.5	163.6





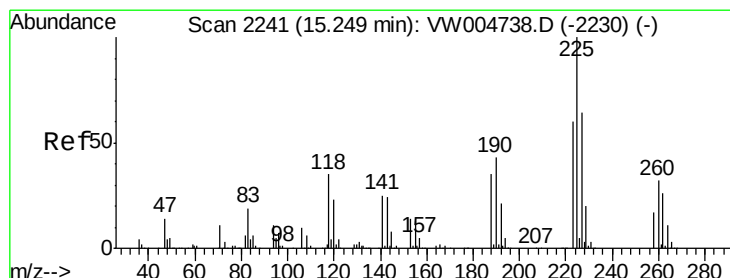
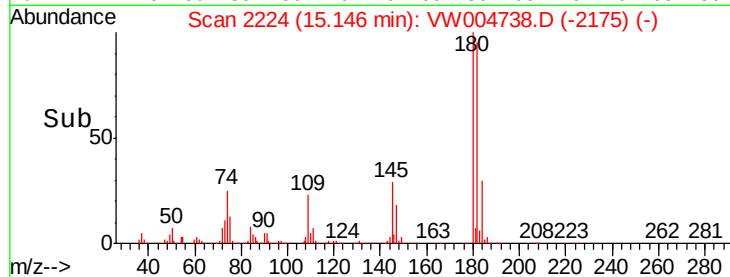
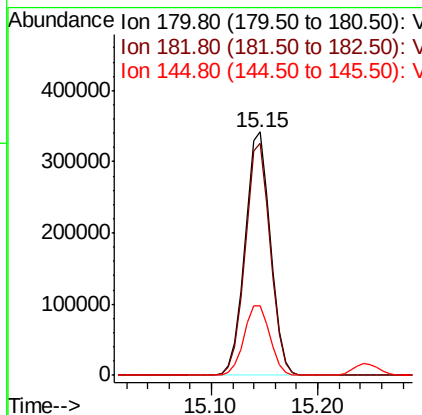
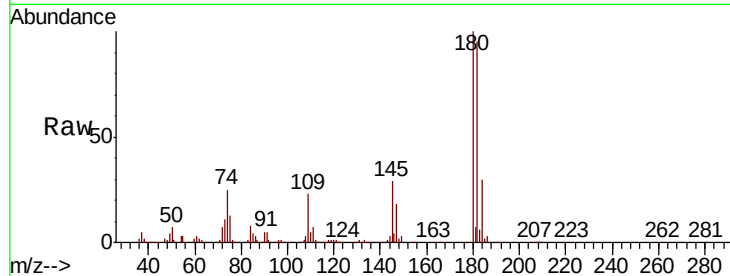
#93
 1,2,4-Trichlorobenzene
 Concen: 49.92 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tot Ion:	180	Resp:	571604
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.3	141.8
145	29.2	14.6	43.8

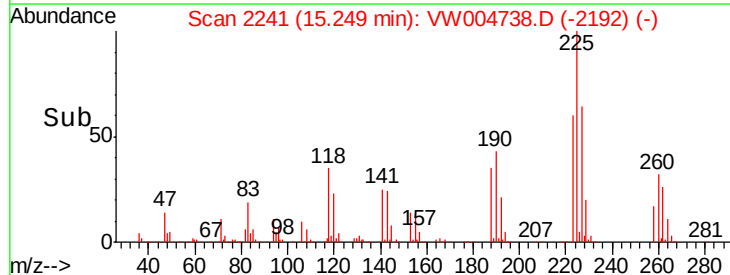
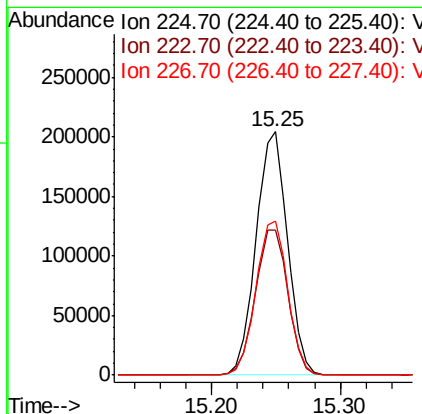
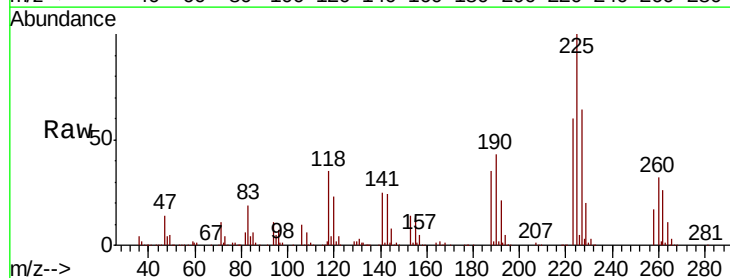
Manual Integrations
 APPROVED

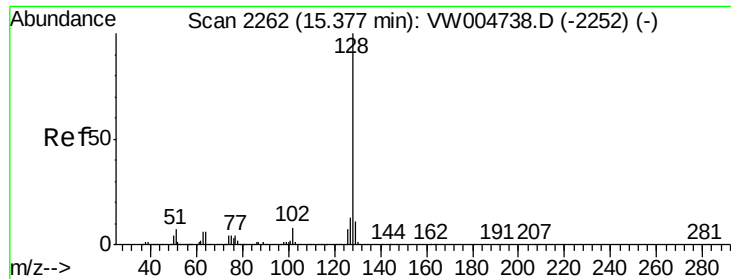
apatel
 8/20/2018 9:53:49 AM



#94
 Hexachlorobutadiene
 Concen: 48.97 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW004738.D
 Acq: 17 Aug 2018 17:12

Tgt Ion:	225	Resp:	344183
Ion Ratio	Lower	Upper	
225	100		
223	61.7	30.9	92.5
227	64.0	32.0	96.0





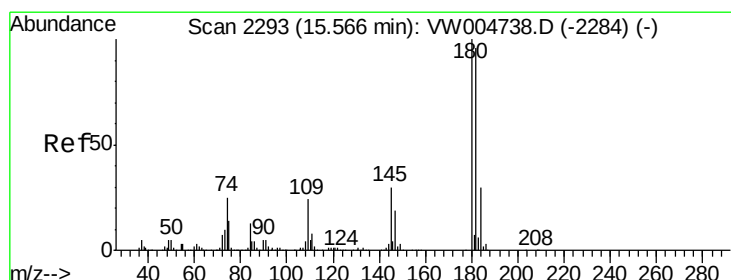
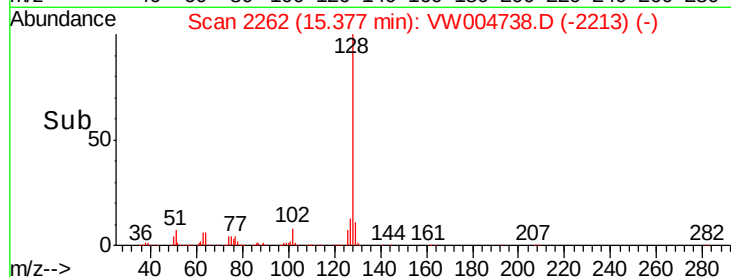
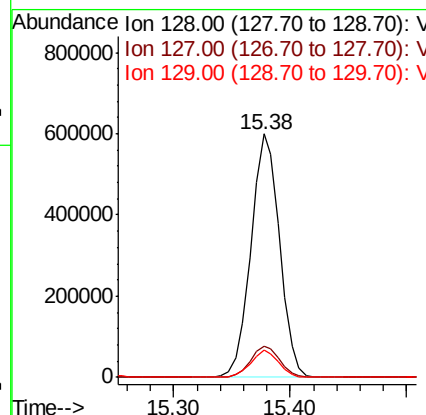
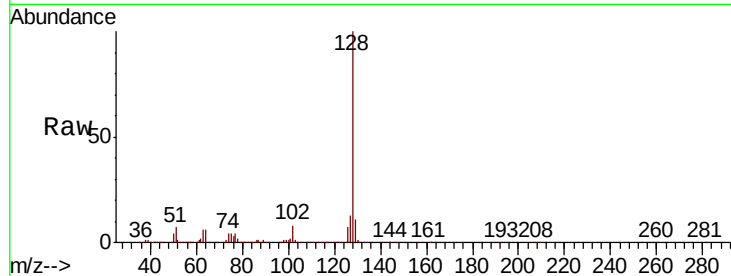
#95
Naphthalene
Concen: 51.90 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
8/20/2018 9:53:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.02 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004738.D
Acq: 17 Aug 2018 17:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	30.7	15.4	46.1

