

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004804.D
 Acq On : 20 Aug 2018 20:53
 Operator : SY/AP
 Sample : J4499-09MSD
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Manual Integrations
 APPROVED

apatel
 8/21/2018 11:32:33 AM

Quant Time: Aug 21 01:51:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	594039	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	870940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	732225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	308673	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	303393	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
35) Dibromofluoromethane	7.88	113	304338	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	
50) Toluene-d8	10.33	98	1091186	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.62	95	332699	42.56	ug/l	0.00
Spiked Amount			Recovery	=	85.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	187333	47.61	ug/l	94
3) Chloromethane	2.22	50	225965	43.92	ug/l	99
4) Vinyl Chloride	2.37	62	389719	51.46	ug/l	99
5) Bromomethane	2.78	94	217109	46.42	ug/l	96
6) Chloroethane	2.93	64	241043	52.75	ug/l	99
7) Trichlorofluoromethane	3.26	101	203040	56.91	ug/l	96
8) Diethyl Ether	3.68	74	180632	56.00	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	300749	48.96	ug/l	100
10) Methyl Iodide	4.26	142	414892	44.47	ug/l	99
11) Tert butyl alcohol	5.23	59	91030	283.71	ug/l	100
12) 1,1-Dichloroethene	4.03	96	299399	48.91	ug/l	99
13) Acrolein	3.89	56	35317	82.02	ug/l	100
14) Allyl chloride	4.67	41	472132	50.82	ug/l	99
15) Acrylonitrile	5.37	53	337184	249.26	ug/l	99
16) Acetone	4.14	43	421332	287.38	ug/l	99
17) Carbon Disulfide	4.37	76	921141	45.79	ug/l	99
18) Methyl Acetate	4.67	43	517954	164.86	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	477272	60.06	ug/l	96
20) Methylene Chloride	4.91	84	409272	62.19	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	318697	48.93	ug/l	99
22) Diisopropyl ether	6.32	45	975559	54.63	ug/l	96
23) Vinyl Acetate	6.26	43	180169m	17.84	ug/l	
24) 1,1-Dichloroethane	6.21	63	601435	51.83	ug/l	99
25) 2-Butanone	7.18	43	572978	274.30	ug/l	99
26) 2,2-Dichloropropane	7.17	77	336858	50.26	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	350471	49.98	ug/l	99
28) Bromochloromethane	7.51	49	253103	51.80	ug/l	99
29) Tetrahydrofuran	7.54	42	306265	287.52	ug/l	98
30) Chloroform	7.68	83	587221	51.46	ug/l	100
31) Cyclohexane	7.96	56	482329	42.97	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	464007	51.29	ug/l	99
36) 1,1-Dichloropropene	8.09	75	429097	47.83	ug/l	100
37) Ethyl Acetate	7.26	43	98757	27.61	ug/l #	80
38) Carbon Tetrachloride	8.07	117	417164	50.51	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004804.D
 Acq On : 20 Aug 2018 20:53
 Operator : SY/AP
 Sample : J4499-09MSD
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Manual Integrations
 APPROVED

apatel
 8/21/2018 11:32:33 AM

Quant Time: Aug 21 01:51:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	401261	35.76	ug/l	99
40) Benzene	8.33	78	1321583	50.68	ug/l	99
41) Methacrylonitrile	7.49	41	95406	47.00	ug/l	97
42) 1,2-Dichloroethane	8.40	62	356566	53.33	ug/l	99
43) Isopropyl Acetate	8.43	43	224670	34.97	ug/l #	92
44) Trichloroethene	9.09	130	312005	47.14	ug/l	98
45) 1,2-Dichloropropane	9.37	63	335440	52.59	ug/l	99
46) Dibromomethane	9.46	93	167317	52.95	ug/l	99
47) Bromodichloromethane	9.65	83	389951	51.67	ug/l	100
48) Methyl methacrylate	9.44	41	199588	66.21	ug/l	97
49) 1,4-Dioxane	9.48	88	52221	1131.18	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	1256531	289.40	ug/l	100
52) Toluene	10.39	92	760791	48.65	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	372914	49.05	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	439533	48.49	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	239551	53.33	ug/l	99
56) Ethyl methacrylate	10.65	69	170868	30.36	ug/l	100
57) 1,3-Dichloropropane	10.94	76	408723	52.72	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	723848	291.81	ug/l	99
59) 2-Hexanone	10.98	43	799183	271.65	ug/l	100
60) Dibromochloromethane	11.13	129	259024	51.40	ug/l	100
61) 1,2-Dibromoethane	11.24	107	218472	50.89	ug/l	99
64) Tetrachloroethene	10.87	164	264319	52.82	ug/l	100
65) Chlorobenzene	11.66	112	767058	48.67	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	290781	54.64	ug/l	99
67) Ethyl Benzene	11.74	91	1334444	49.95	ug/l	99
68) m/p-Xylenes	11.85	106	1038950	99.95	ug/l	100
69) o-Xylene	12.17	106	496720	51.62	ug/l	99
70) Styrene	12.19	104	784221	48.52	ug/l	99
71) Bromoform	12.35	173	152325	54.23	ug/l #	99
73) Isopropylbenzene	12.47	105	1227532	58.46	ug/l	99
74) N-amyl acetate	12.28	43	70184	17.14	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	278794	71.67	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	184717m	67.89	ug/l	
77) Bromobenzene	12.75	156	292181	57.48	ug/l	98
78) n-propylbenzene	12.81	91	1354725	52.87	ug/l	100
79) 2-Chlorotoluene	12.90	91	815433	55.21	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	989316	55.45	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	74368	63.52	ug/l	98
82) 4-Chlorotoluene	12.99	91	828254	52.78	ug/l	99
83) tert-Butylbenzene	13.21	119	808578	52.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1009019	54.97	ug/l	100
85) sec-Butylbenzene	13.39	105	1027200	45.09	ug/l	99
86) p-Isopropyltoluene	13.51	119	896346	45.22	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	493071	47.69	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	486714	47.09	ug/l	99
89) n-Butylbenzene	13.83	91	647846	33.80	ug/l	99
90) Hexachloroethane	14.10	117	166831	46.17	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	459512	49.48	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41296	67.92	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
Data File : VW004804.D
Acq On : 20 Aug 2018 20:53
Operator : SY/AP
Sample : J4499-09MSD
Misc : 5.05G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

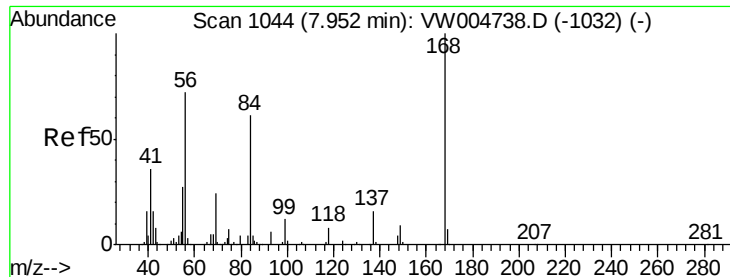
Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM

Quant Time: Aug 21 01:51:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 18 01:49:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	197448	30.06	ug/l	99
94) Hexachlorobutadiene	15.24	225	82106	20.37	ug/l	98
95) Naphthalene	15.38	128	509906	40.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	177523	30.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion:168 Resp: 594039

Ion Ratio Lower Upper

168 100

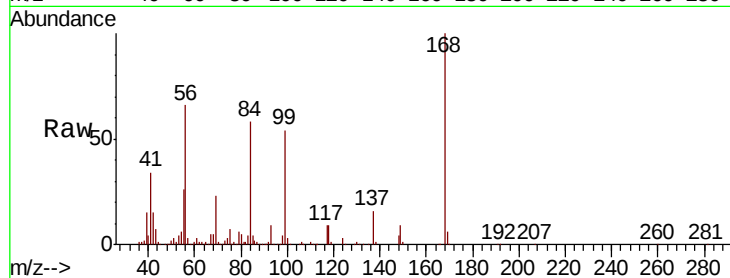
99 53.7 41.0 61.4

Manual Integrations

APPROVED

apatel

8/21/2018 11:32:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

300000

250000

200000

150000

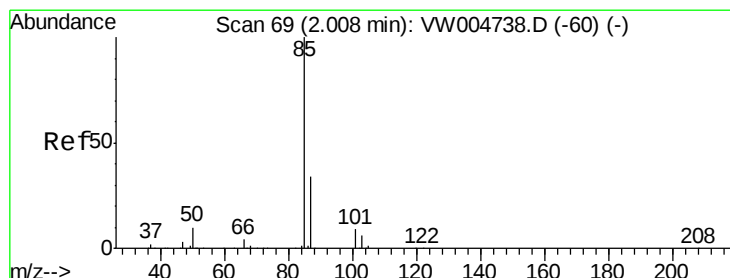
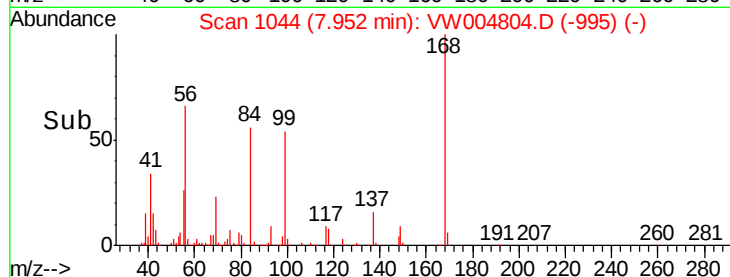
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.61 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004804.D

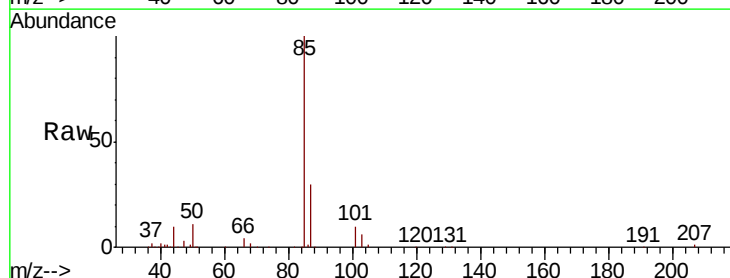
Acq: 20 Aug 2018 20:53

Tgt Ion: 85 Resp: 187333

Ion Ratio Lower Upper

85 100

87 30.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

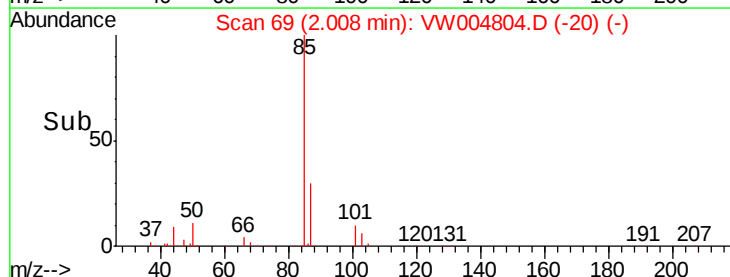
20000

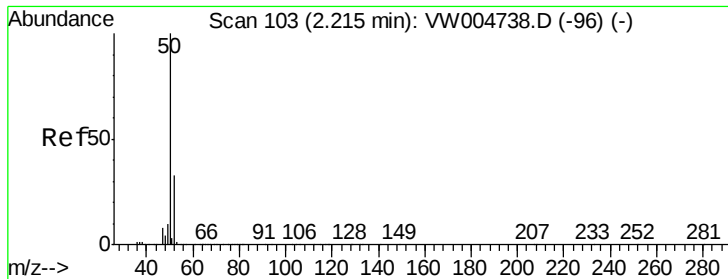
10000

0

1.80 2.00 2.20

Time-->





#3

Chloromethane

Concen: 43.92 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion: 50 Resp: 225965

Ion Ratio Lower Upper

50 100

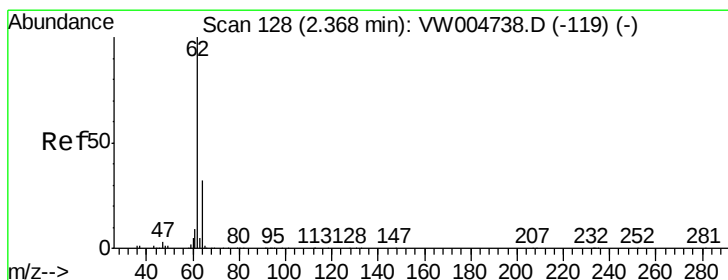
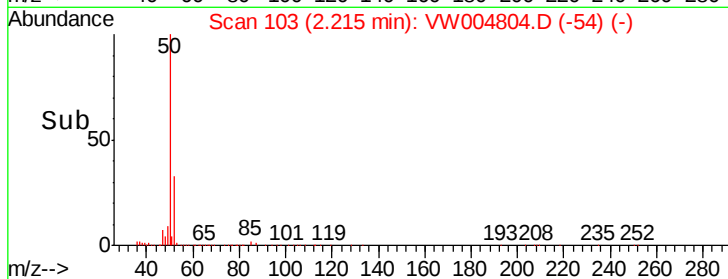
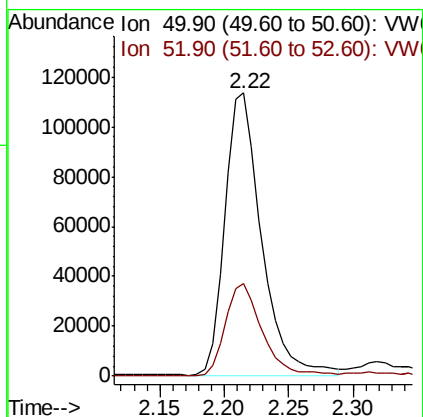
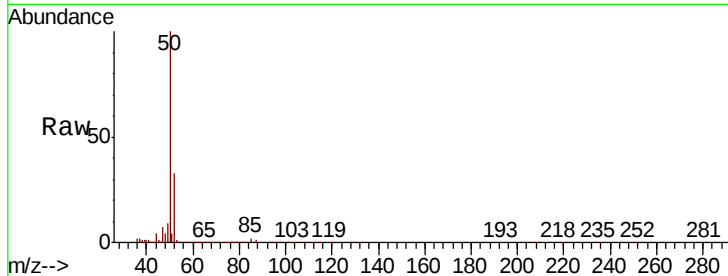
52 32.8 26.7 40.1

Manual Integrations

APPROVED

apatel

8/21/2018 11:32:33 AM



#4

Vinyl Chloride

Concen: 51.46 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004804.D

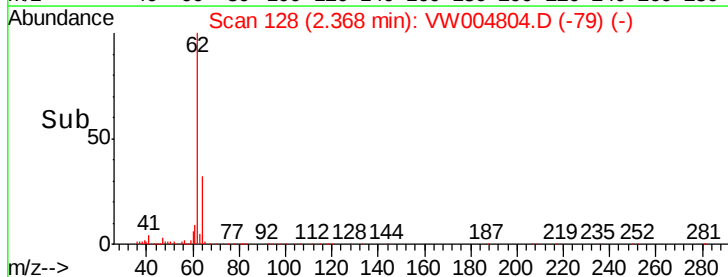
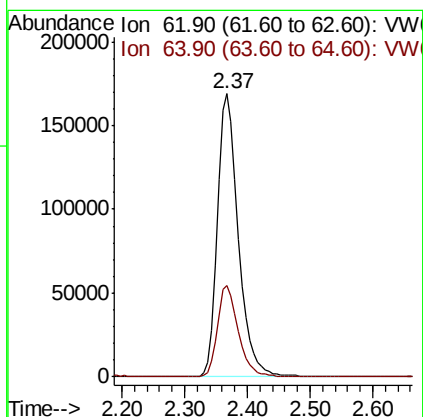
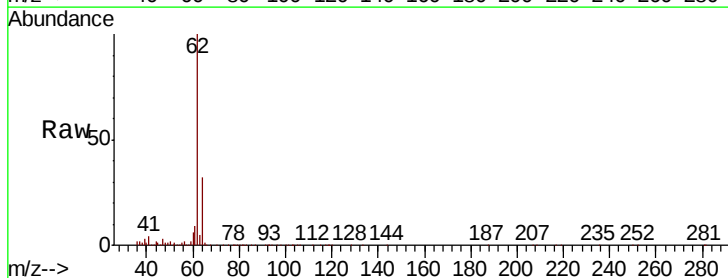
Acq: 20 Aug 2018 20:53

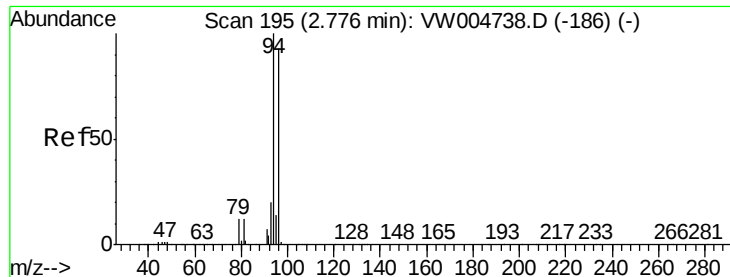
Tgt Ion: 62 Resp: 389719

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 46.42 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

LSB-07(0-1)MSD

Tot Ion: 94 Resp: 217109

Ion Ratio Lower Upper

94 100

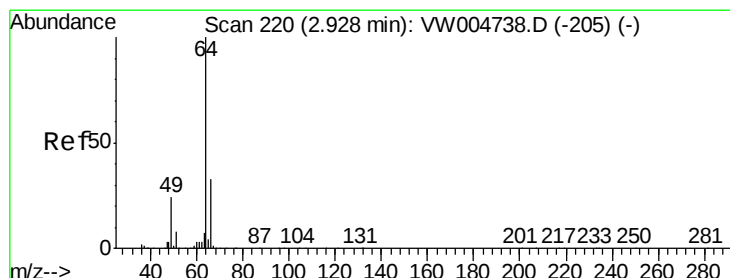
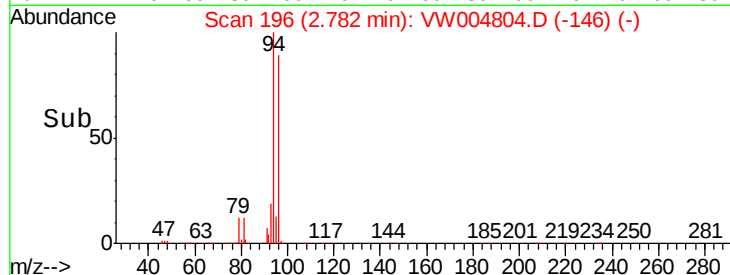
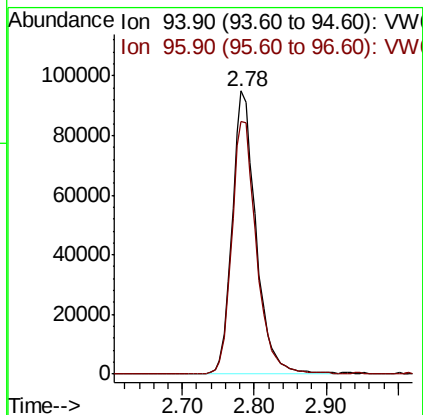
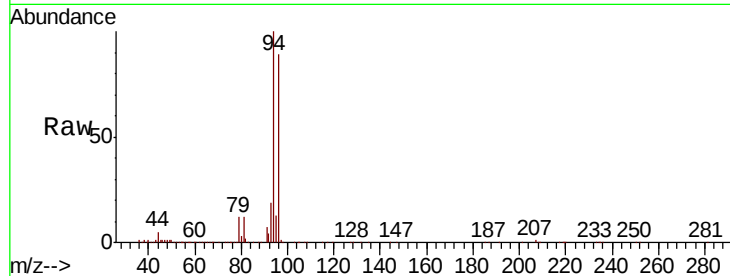
96 89.2 74.3 111.5

Manual Integrations

APPROVED

apatel

8/21/2018 11:32:33 AM



#6

Chloroethane

Concen: 52.75 ug/l

RT: 2.93 min Scan# 220

Delta R.T. 0.00 min

Lab File: VW004804.D

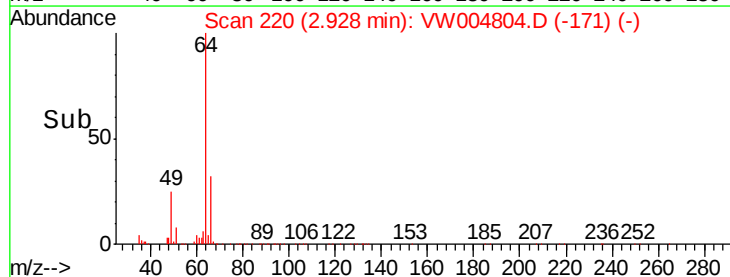
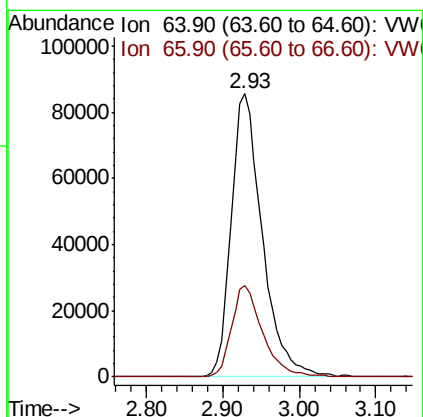
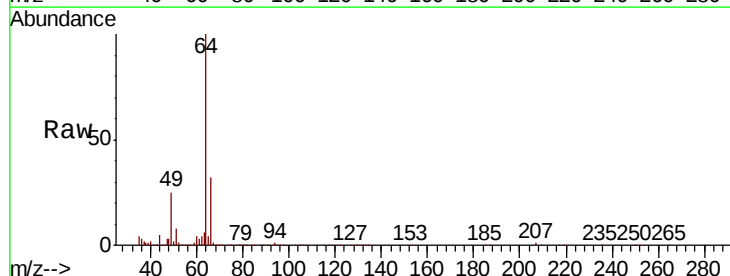
Acq: 20 Aug 2018 20:53

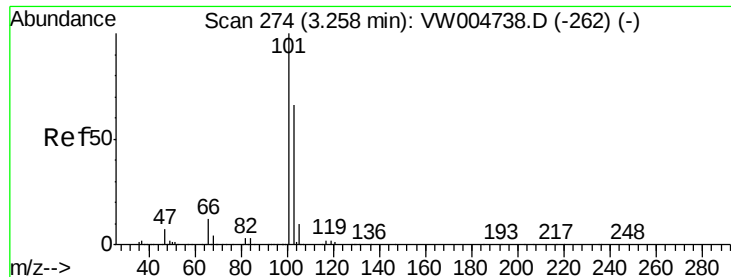
Tgt Ion: 64 Resp: 241043

Ion Ratio Lower Upper

64 100

66 32.1 26.1 39.1





#7

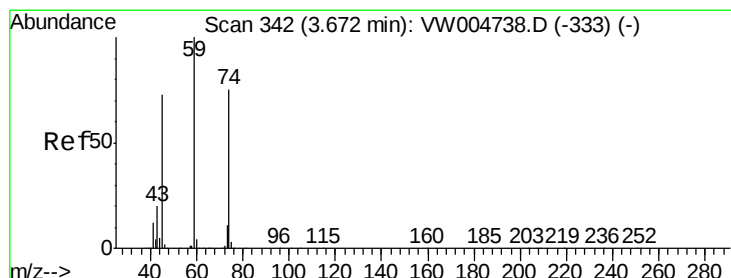
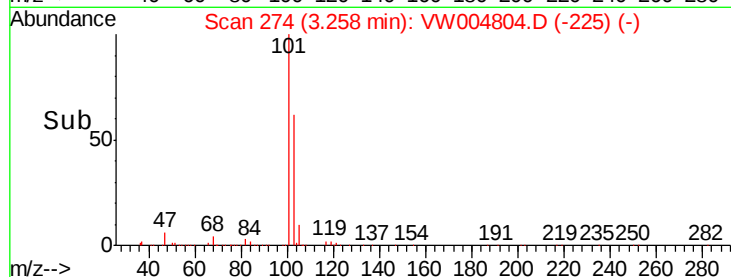
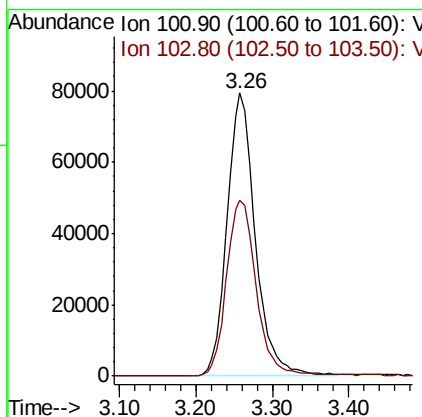
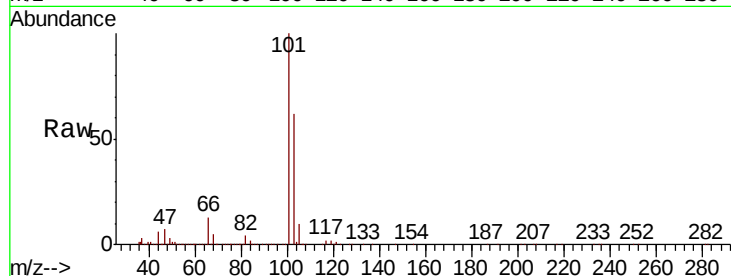
Trichlorofluoromethane
 Concen: 56.91 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		203040		
103	62.2	52.5	78.7		

Manual Integrations
 APPROVED

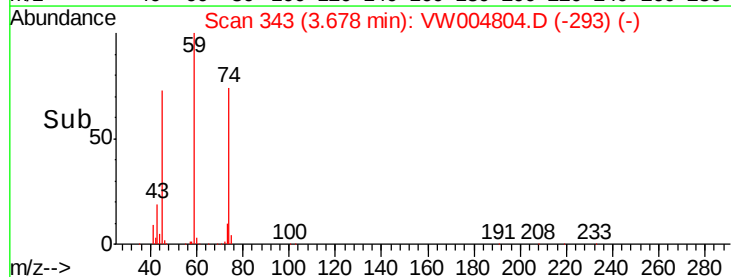
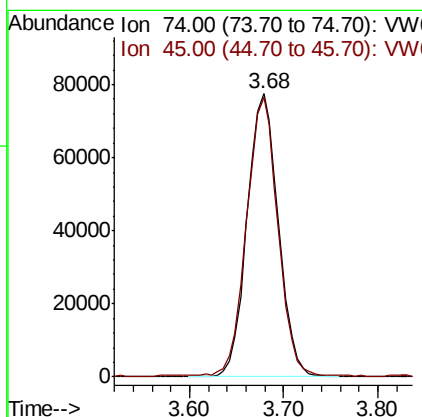
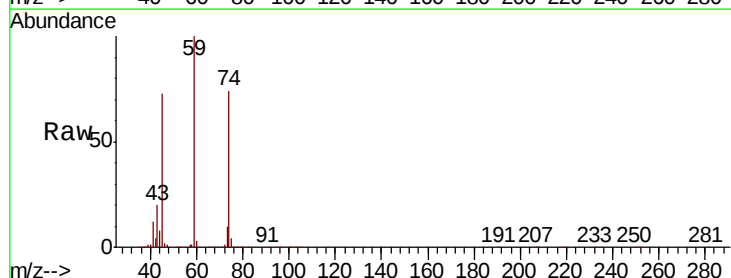
apatel
 8/21/2018 11:32:33 AM

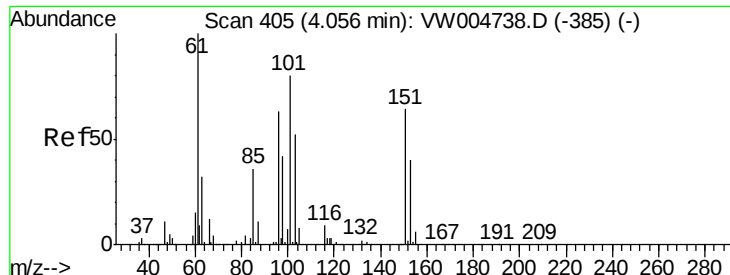


#8

Diethyl Ether
 Concen: 56.00 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		180632		
45	97.7	49.8	149.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.96 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

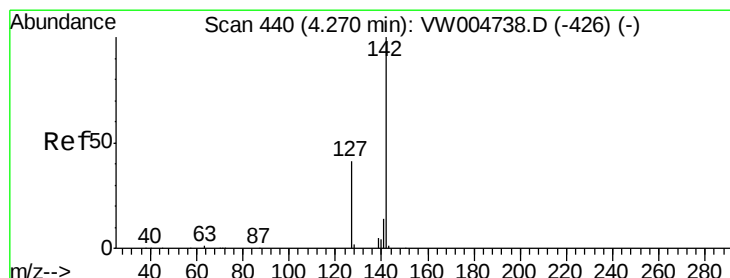
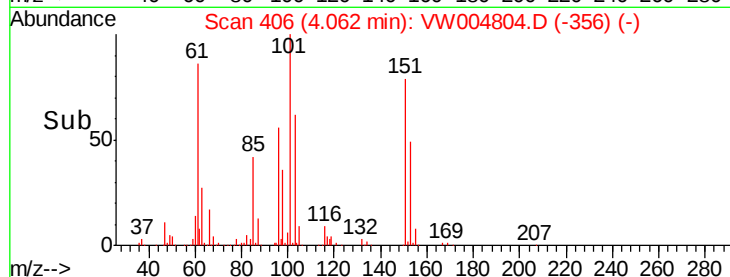
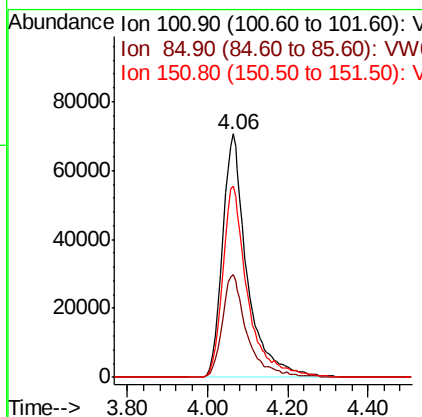
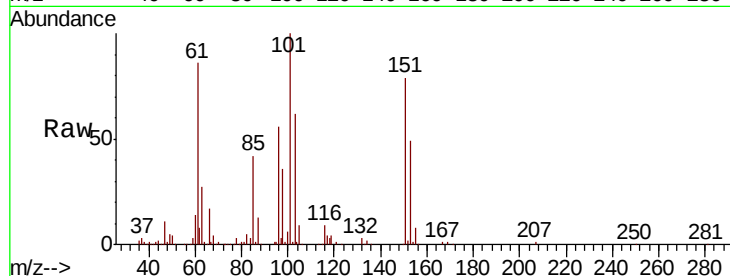
ClientSampleId :

LSB-07(0-1)MSD

Tot Ion:	101	Resp:	300749
Ion Ratio	Lower	Upper	
101	100		
85	42.2	33.9	50.9
151	79.8	63.4	95.2

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#10

Methyl Iodide

Concen: 44.47 ug/l

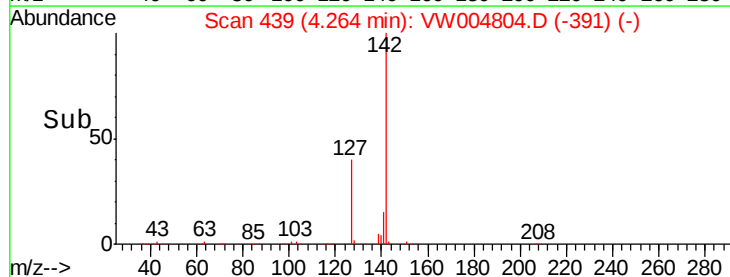
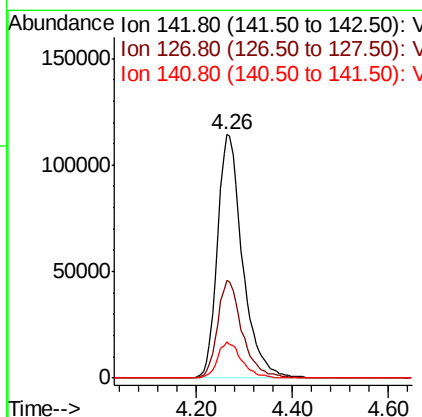
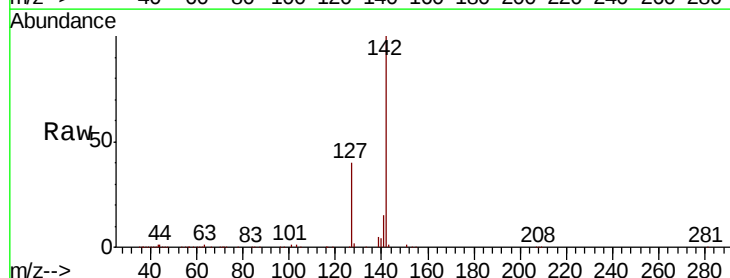
RT: 4.26 min Scan# 439

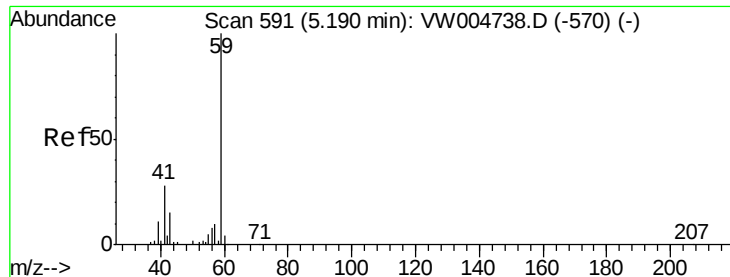
Delta R.T. -0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion:	142	Resp:	414892
Ion Ratio	Lower	Upper	
142	100		
127	39.6	32.1	48.1
141	14.5	11.7	17.5





#11

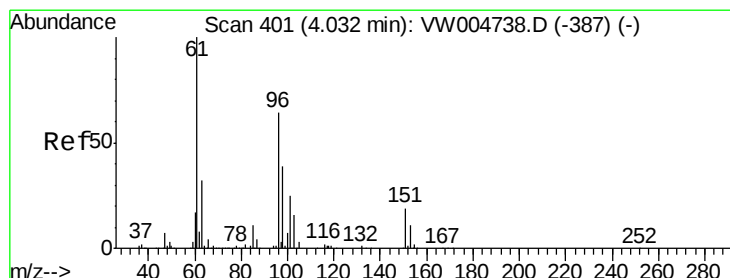
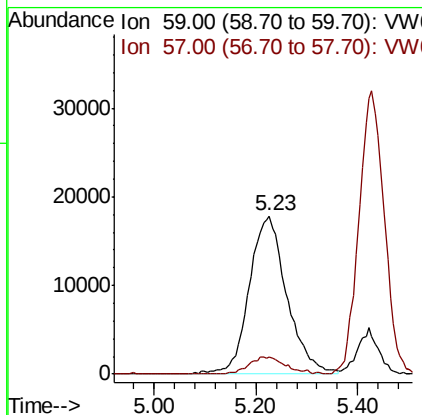
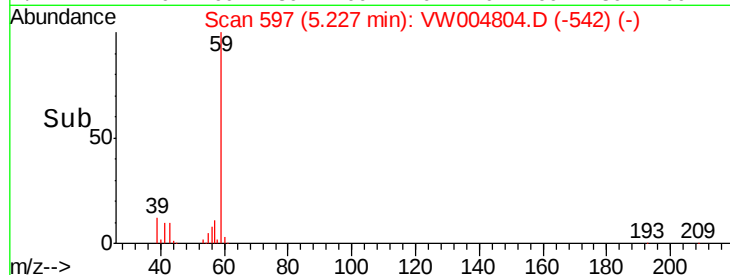
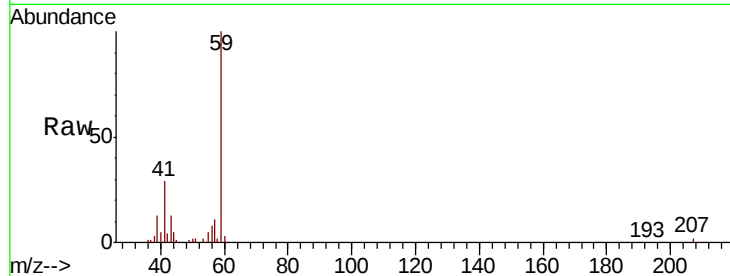
Tert butyl alcohol
Concen: 283.71 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.04 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	59	Resp	91030
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

Manual Integrations
APPROVED

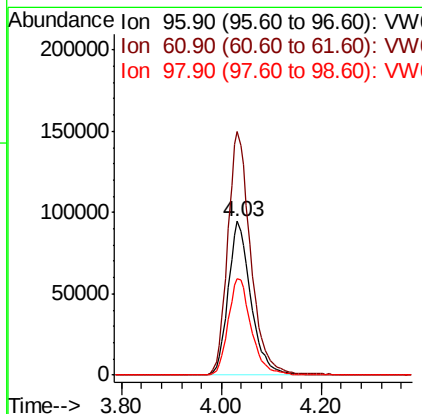
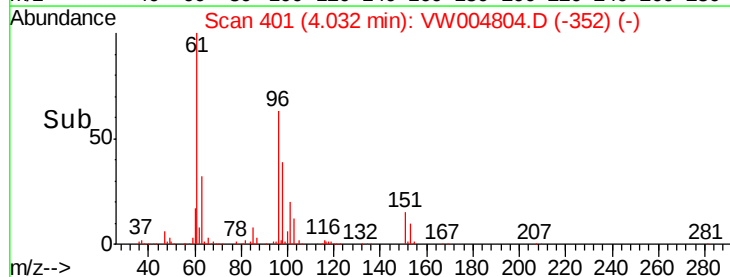
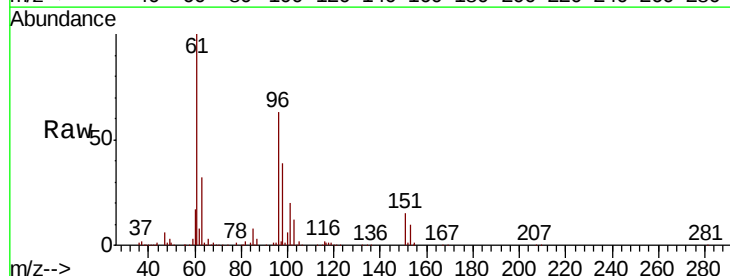
apatel
8/21/2018 11:32:33 AM

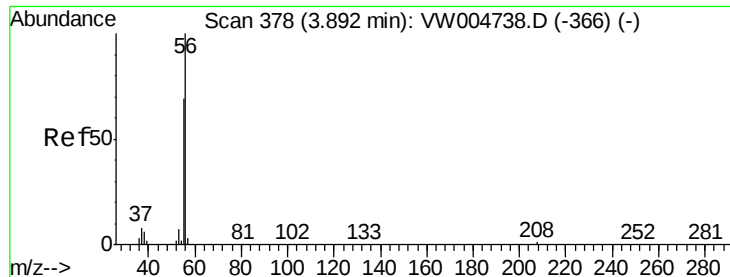


#12

1,1-Dichloroethene
Concen: 48.91 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	96	Resp	299399
Ion Ratio	100	Lower	Upper
61	158.8	125.6	188.4
98	62.6	49.4	74.0





#13

Acrolein

Concen: 82.02 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion: 56 Resp: 35317

Ion Ratio Lower Upper

56 100

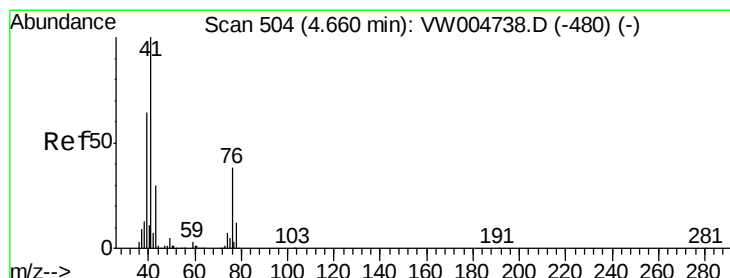
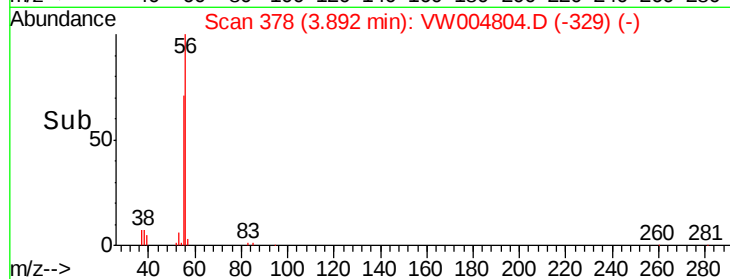
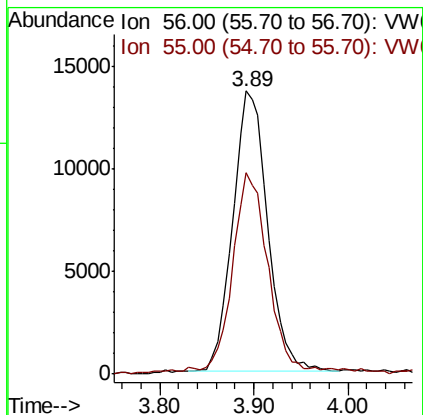
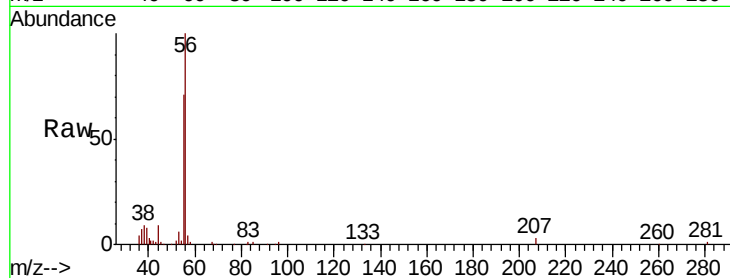
55 69.8 56.1 84.1

Manual Integrations

APPROVED

apatel

8/21/2018 11:32:33 AM



#14

Allyl chloride

Concen: 50.82 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

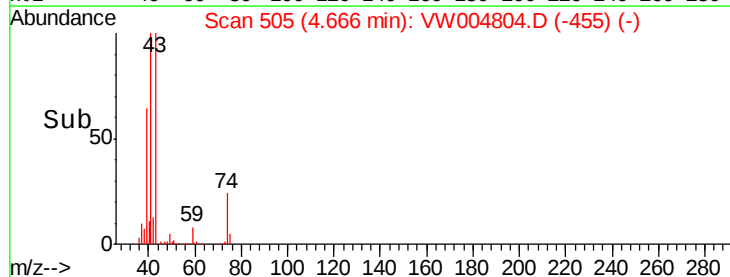
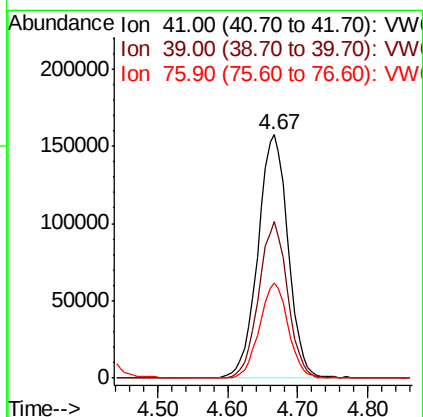
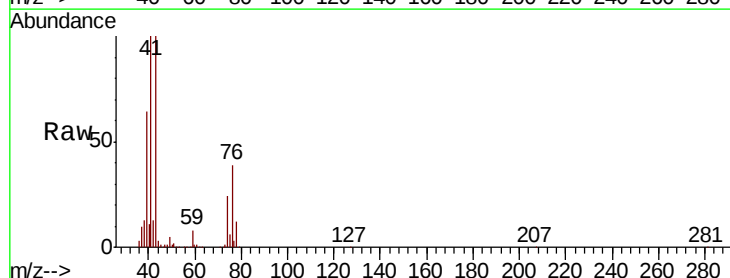
Tgt Ion: 41 Resp: 472132

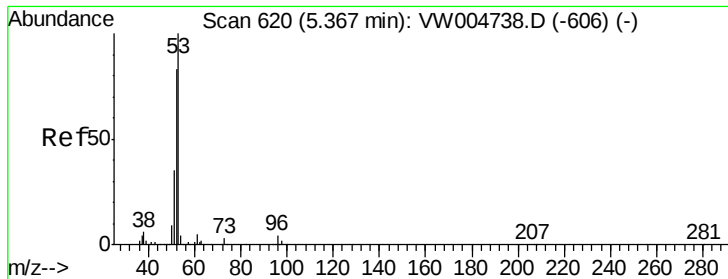
Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

76 37.4 29.8 44.6





#15

Acrylonitrile

Concen: 249.26 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

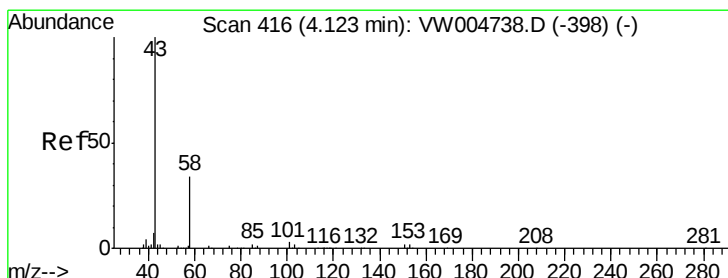
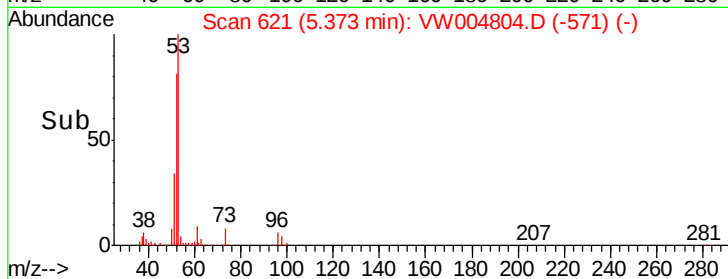
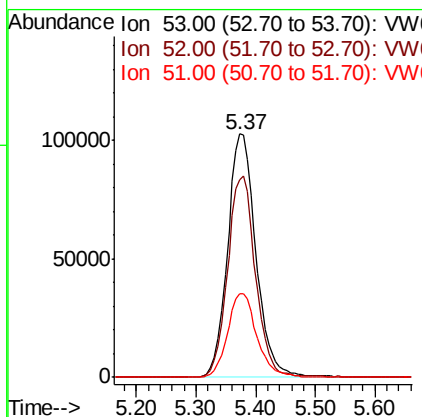
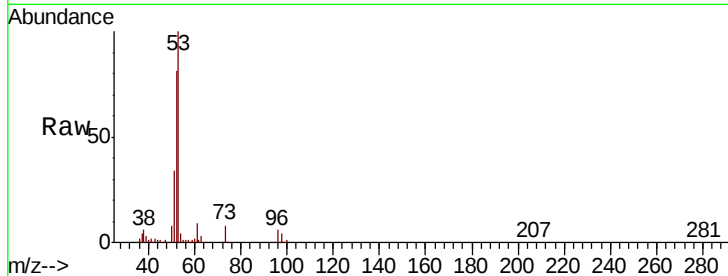
ClientSampleId :

LSB-07(0-1)MSD

Tot Ion:	53	Resp:	337184
Ion Ratio	Lower	Upper	
53	100		
52	81.3	65.8	98.6
51	35.6	28.7	43.1

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#16

Acetone

Concen: 287.38 ug/l

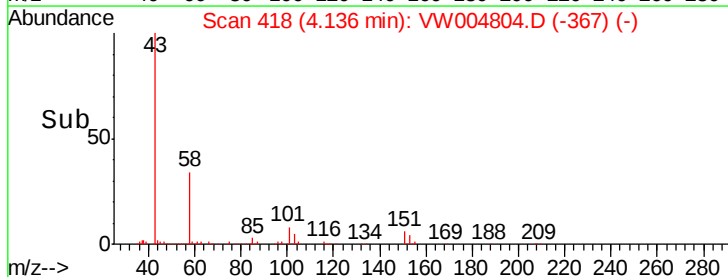
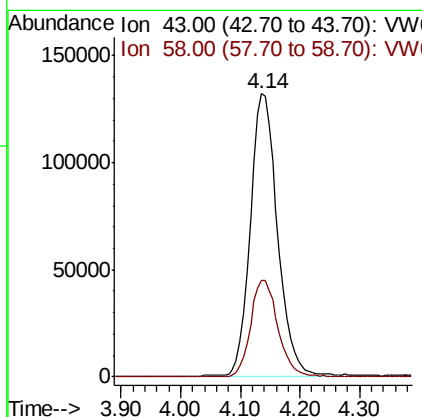
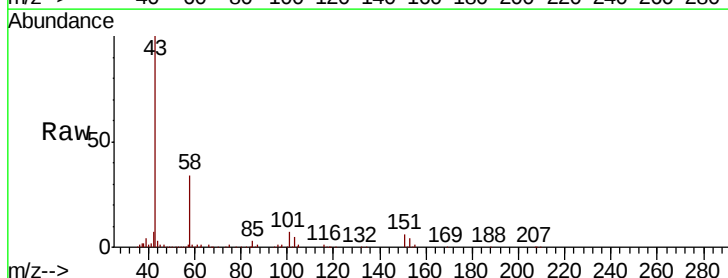
RT: 4.14 min Scan# 418

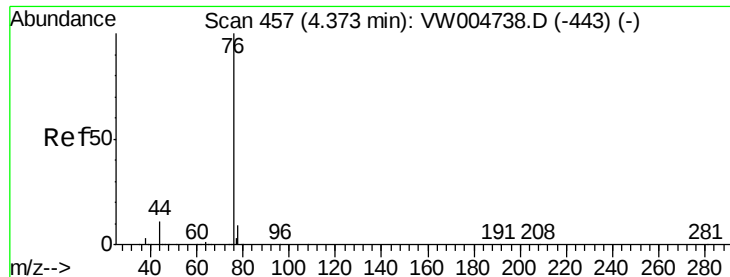
Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion:	43	Resp:	421332
Ion Ratio	Lower	Upper	
43	100		
58	33.7	27.3	40.9





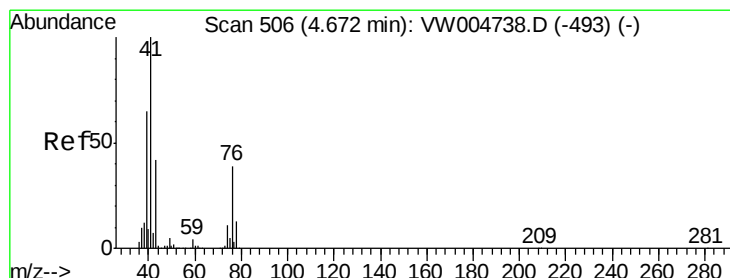
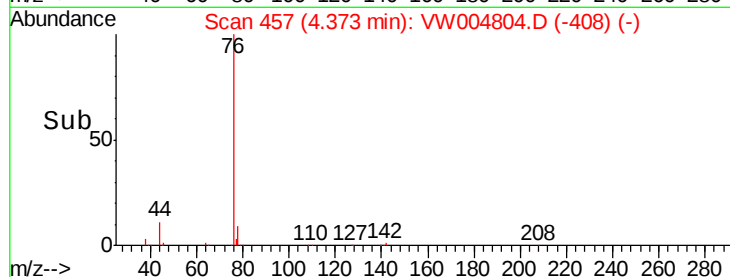
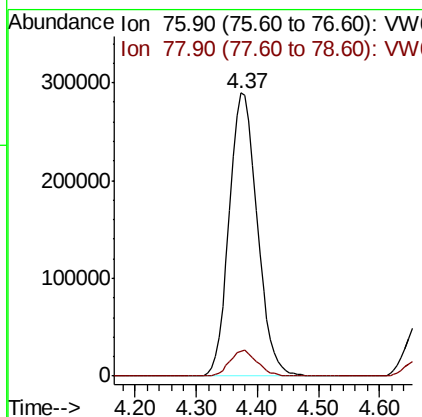
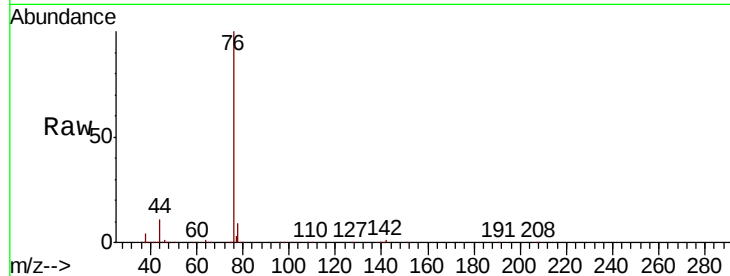
#17
Carbon Disulfide
Concen: 45.79 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.2

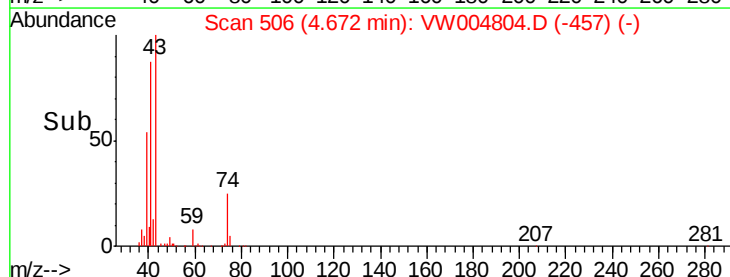
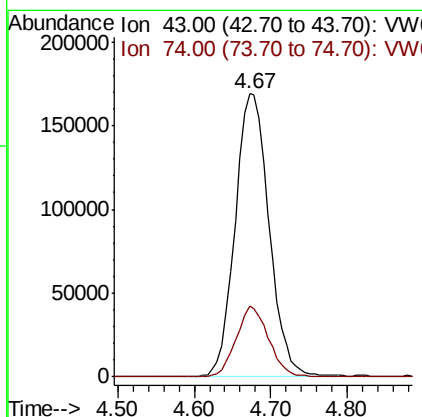
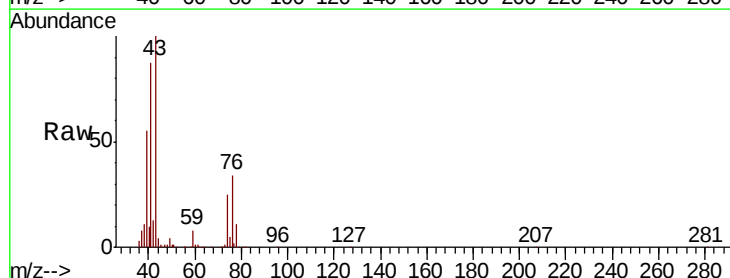
Manual Integrations
APPROVED

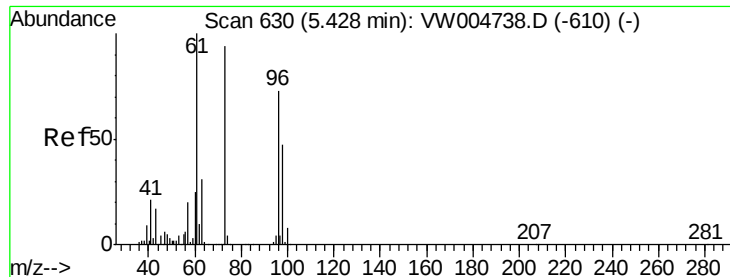
apatel
8/21/2018 11:32:33 AM



#18
Methyl Acetate
Concen: 164.86 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.8	29.8





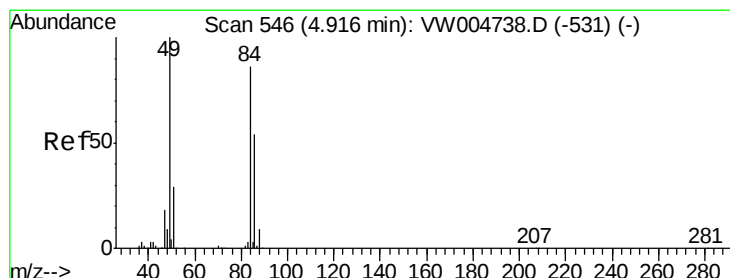
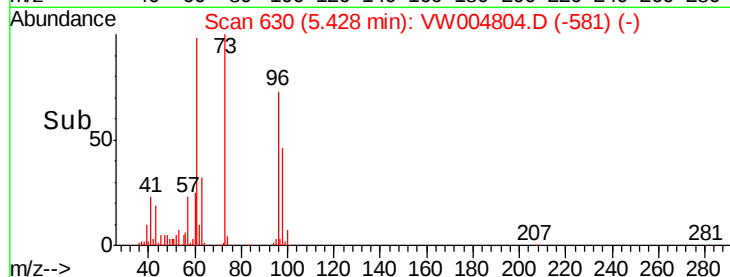
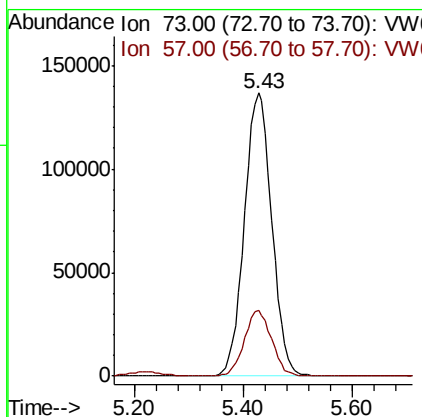
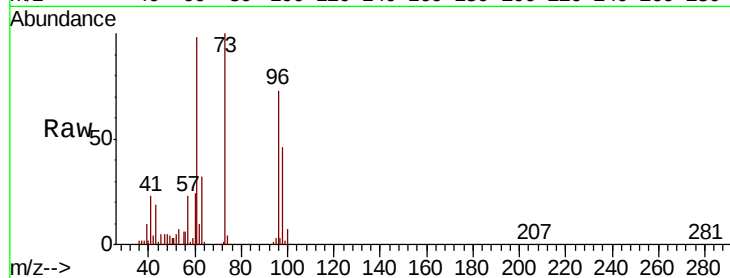
#19
Methvl tert-butvl Ether
Concen: 60.06 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.3	25.9

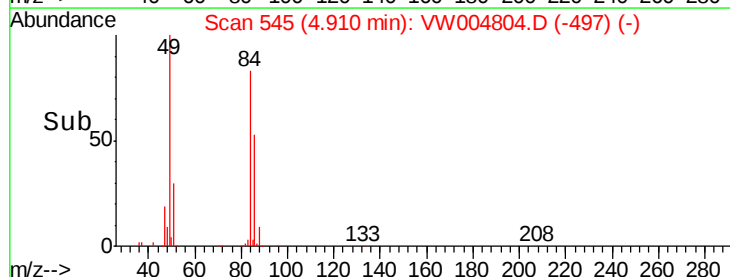
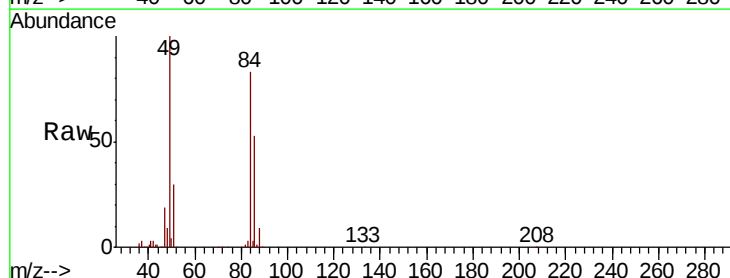
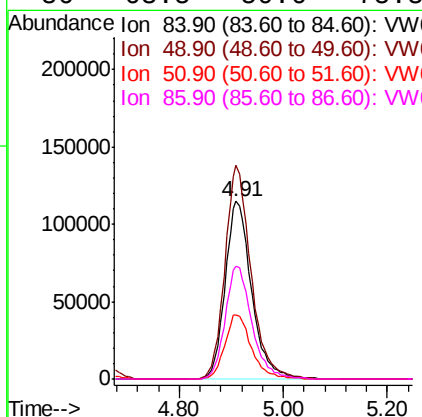
Manual Integrations
APPROVED

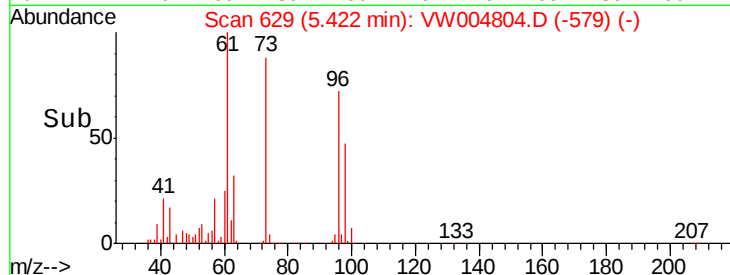
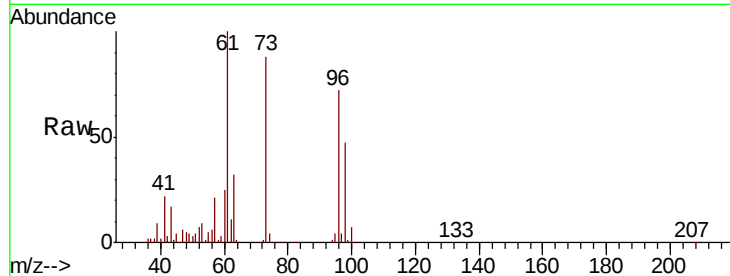
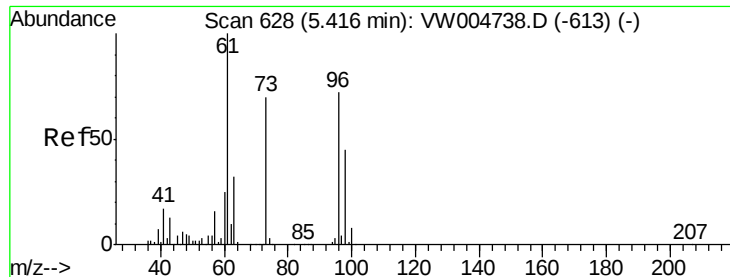
apatel
8/21/2018 11:32:33 AM



#20
Methylene Chloride
Concen: 62.19 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.2	93.2	139.8
51	36.4	27.4	41.0
86	63.5	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 48.93 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.01 min

Lab File: VW004804.D

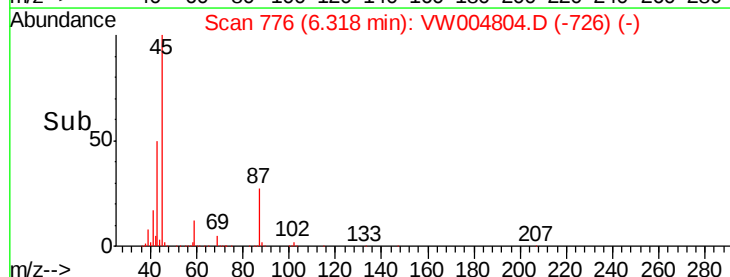
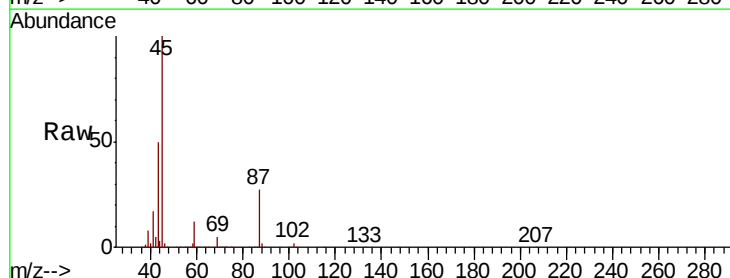
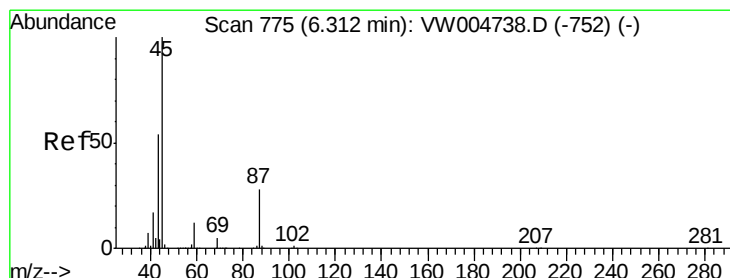
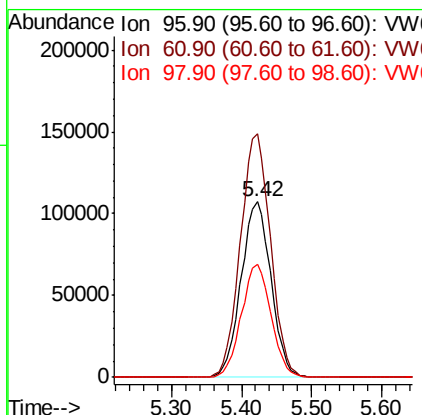
Acq: 20 Aug 2018 20:53

Tot Ion	Ratio	Resp	Lower	Upper
96	100	318697		
61	138.8		111.4	167.0
98	64.8		49.7	74.5

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#22

Diisopropyl ether

Concen: 54.63 ug/l

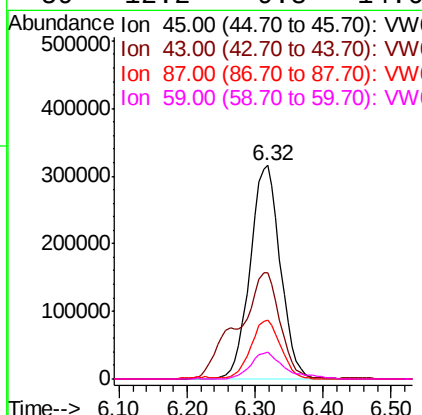
RT: 6.32 min Scan# 776

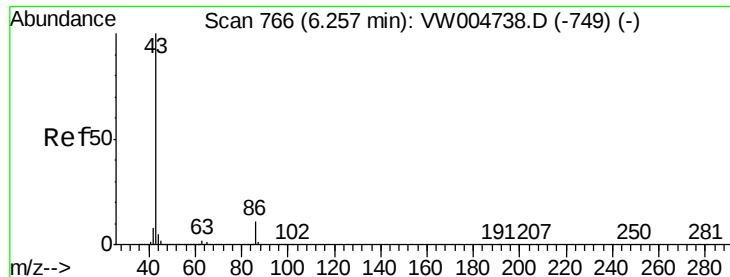
Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	975559		
43	49.5		43.0	64.6
87	27.4		22.2	33.4
59	12.2		9.8	14.6





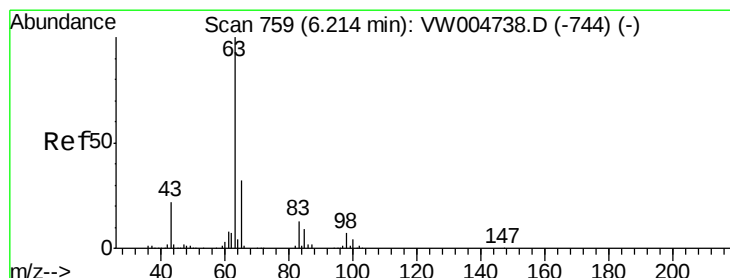
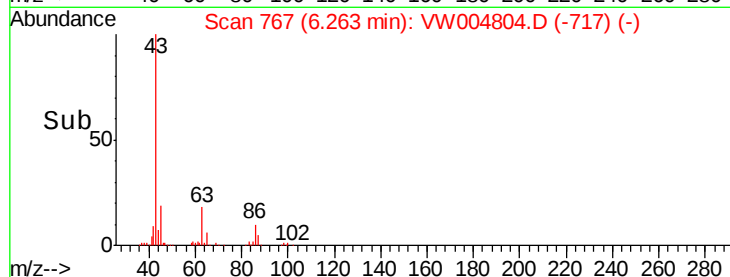
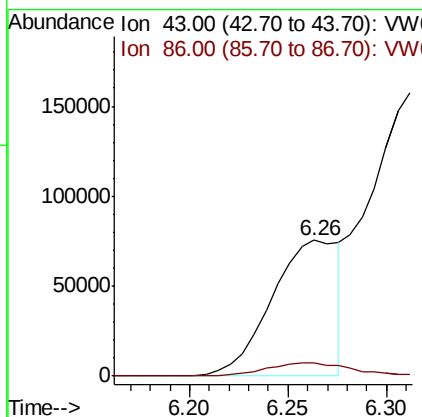
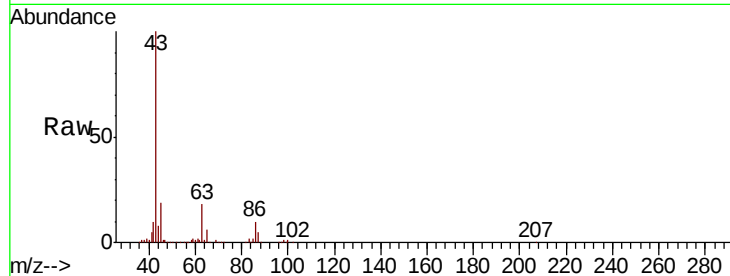
#23
 Vinyl Acetate
 Concen: 17.84 ug/l m
 RT: 6.26 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampled :
 LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.5	12.7

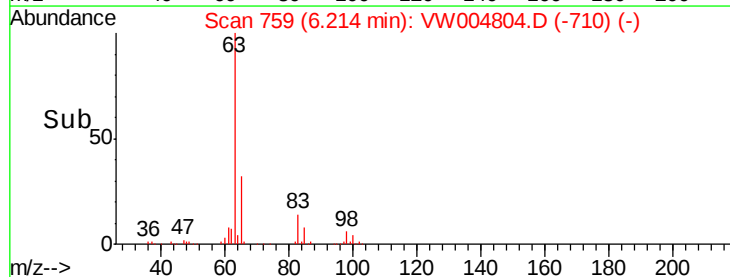
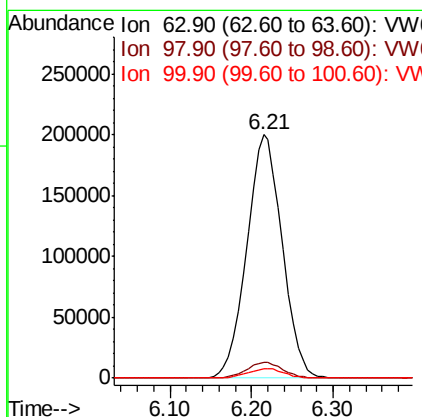
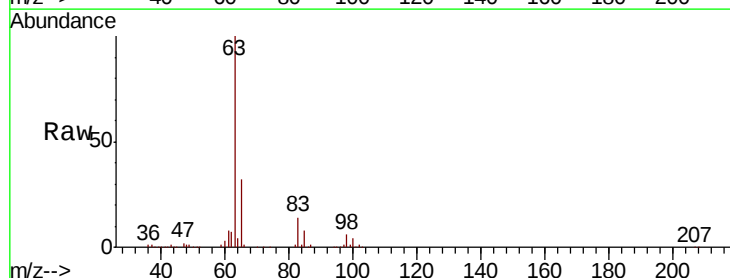
Manual Integrations
 APPROVED

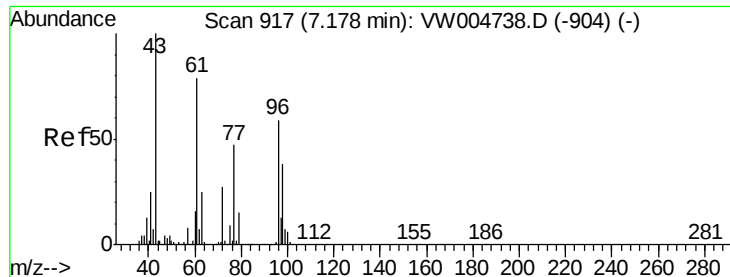
apatel
 8/21/2018 11:32:33 AM



#24
 1,1-Dichloroethane
 Concen: 51.83 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.5	10.4
100	4.1	2.1	6.3





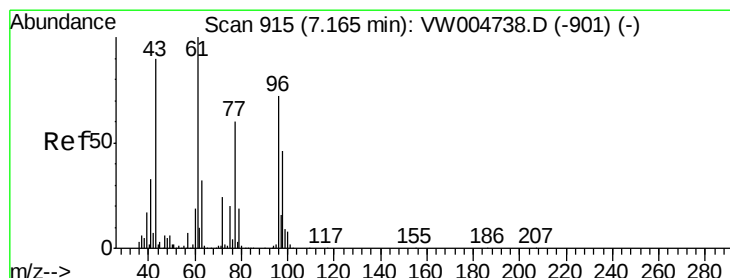
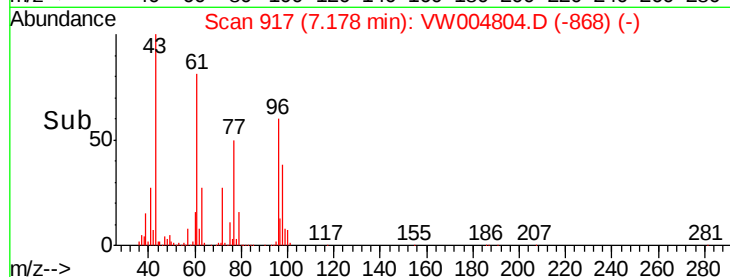
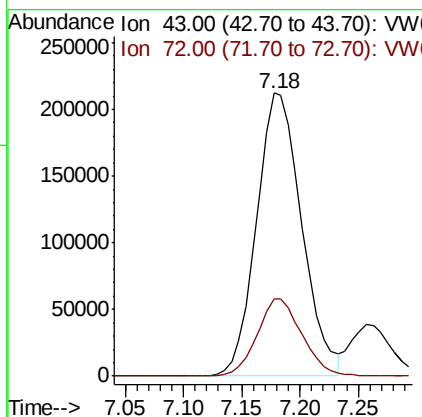
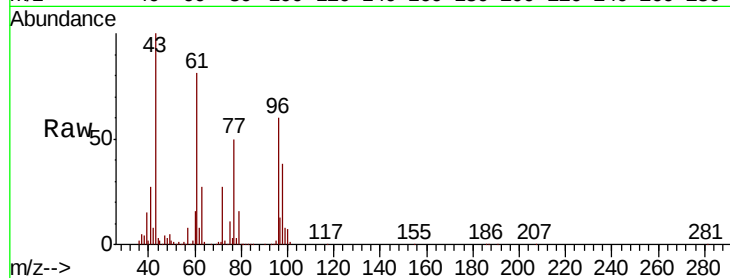
#25
2-Butanone
Concen: 274.30 ug/l
RT: 7.18 min Scan# 917
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion: 43 Resp: 572978
Ion Ratio Lower Upper
43 100
72 27.2 22.0 33.0

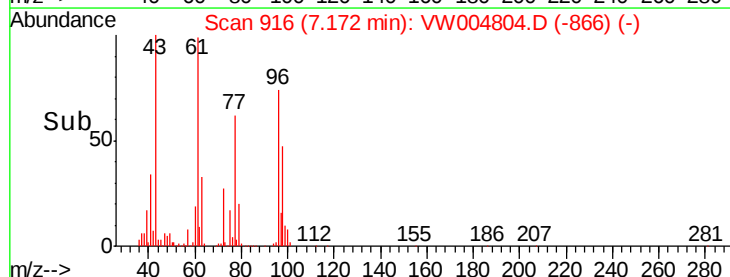
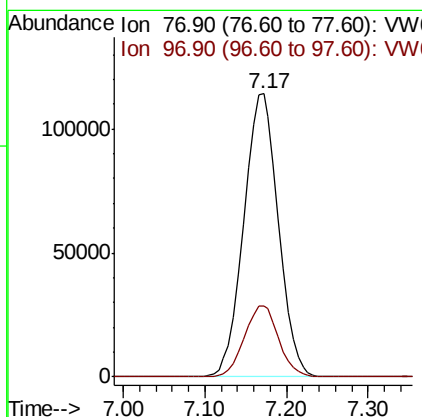
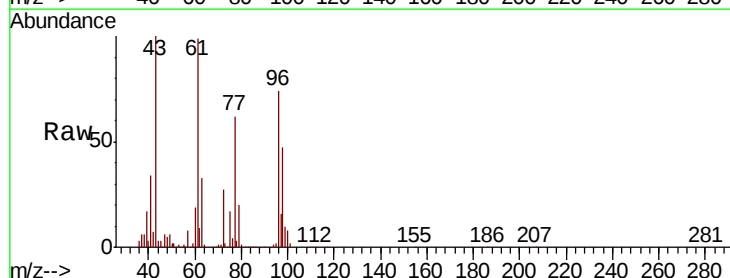
Manual Integrations
APPROVED

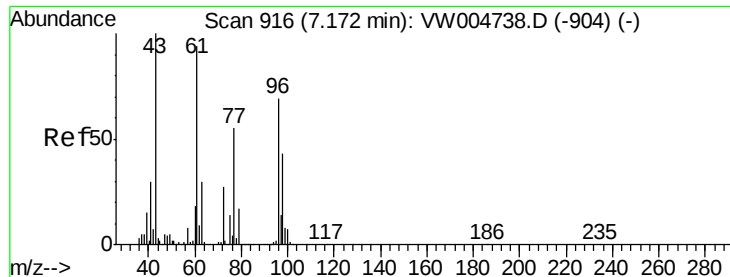
apatel
8/21/2018 11:32:33 AM



#26
2,2-Dichloropropane
Concen: 50.26 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion: 77 Resp: 336858
Ion Ratio Lower Upper
77 100
97 24.9 12.6 37.8





#27

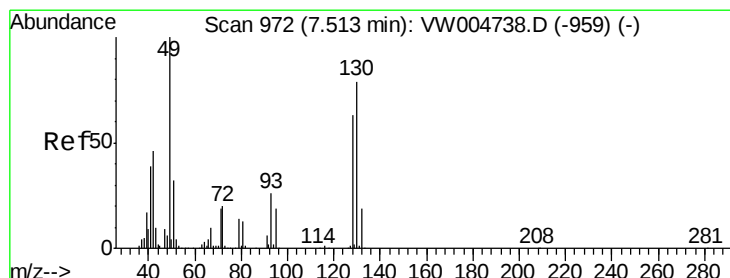
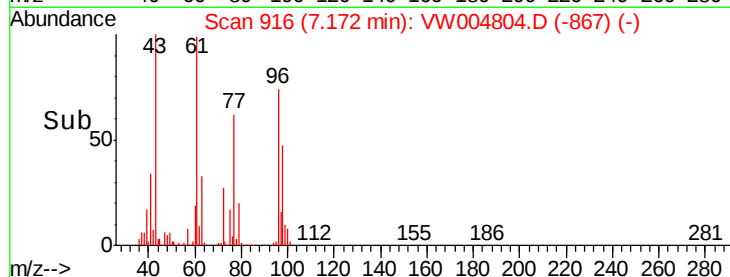
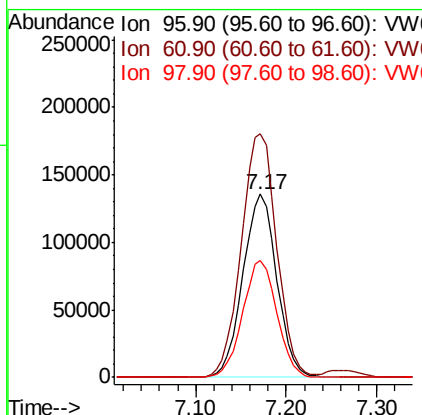
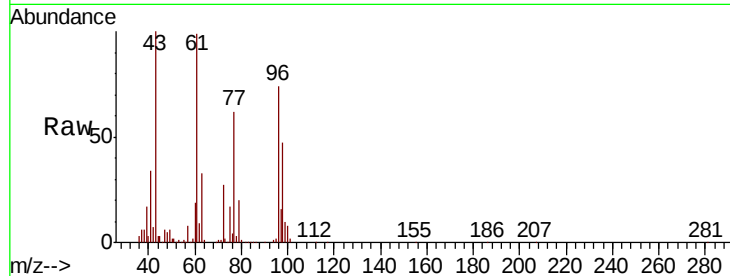
cis-1,2-Dichloroethene
 Concen: 49.98 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	350471		
61	139.5		0.0	277.6
98	64.6		0.0	127.4

Manual Integrations
 APPROVED

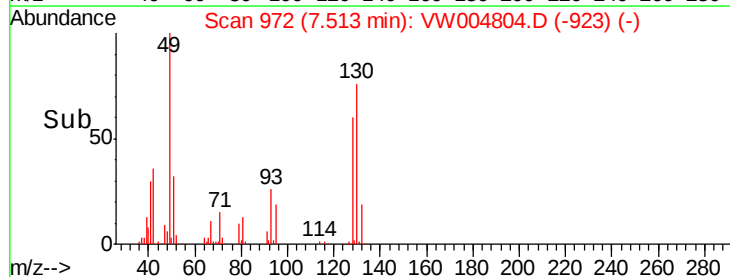
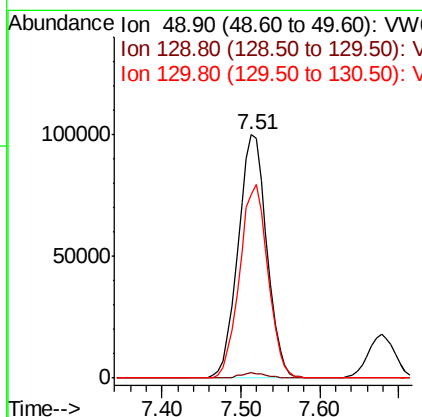
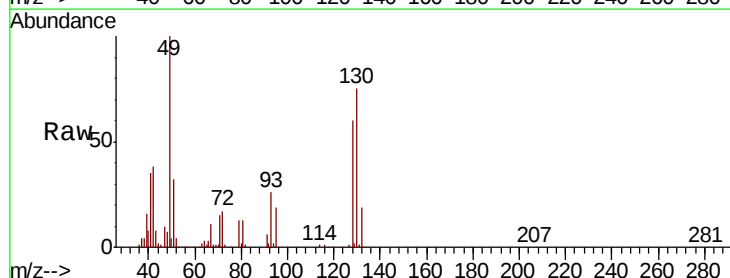
apatel
 8/21/2018 11:32:33 AM

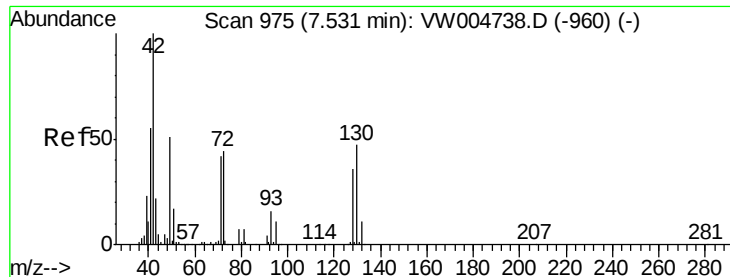


#28

Bromochloromethane
 Concen: 51.80 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	253103		
129	2.0		0.0	4.4
130	78.7		63.7	95.5





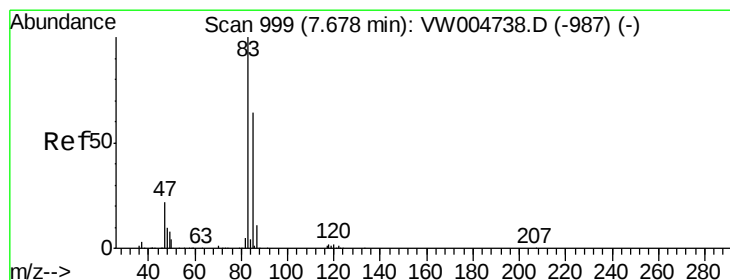
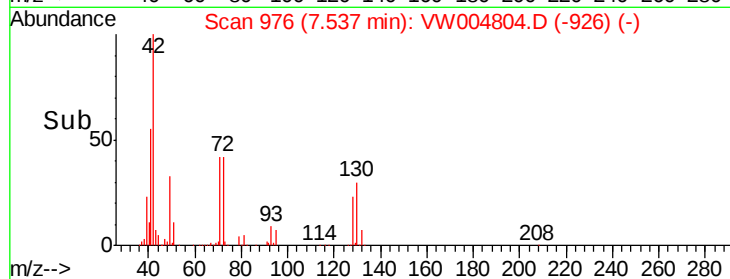
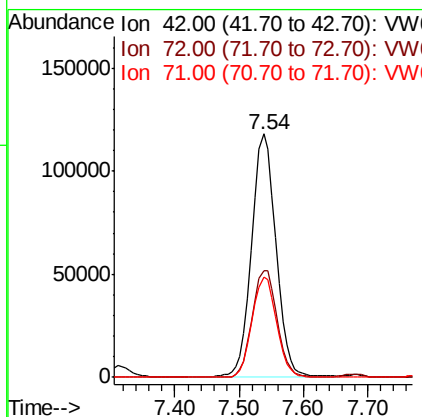
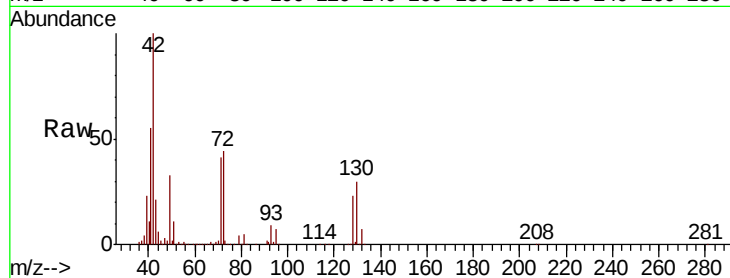
#29
Tetrahydrofuran
Concen: 287.52 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	34.9	52.3
71	41.2	33.8	50.6

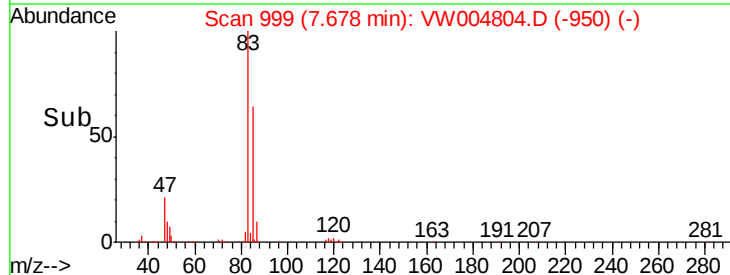
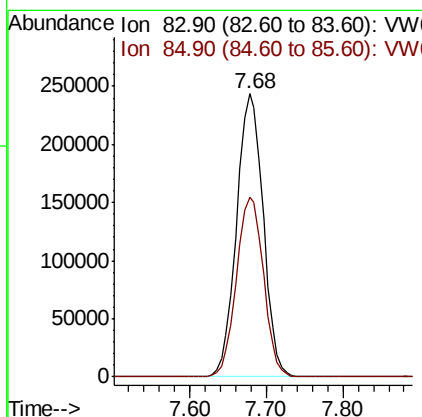
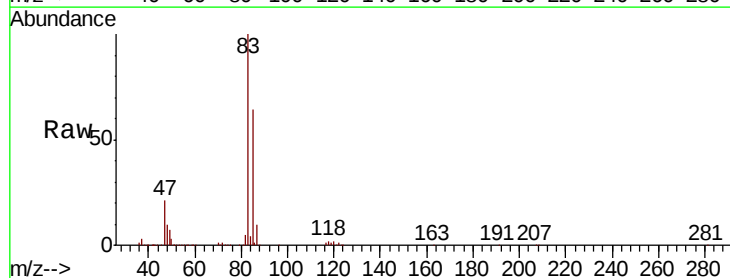
Manual Integrations
APPROVED

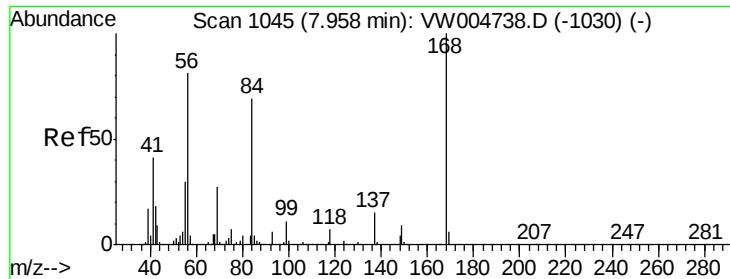
apatel
8/21/2018 11:32:33 AM



#30
Chloroform
Concen: 51.46 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6





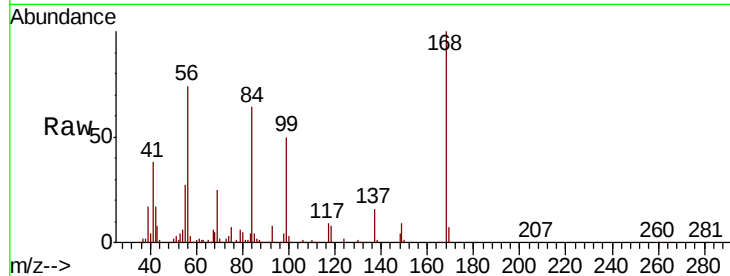
#31
Cyclohexane
Concen: 42.97 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

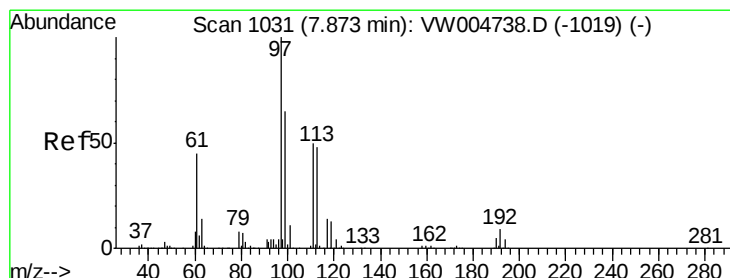
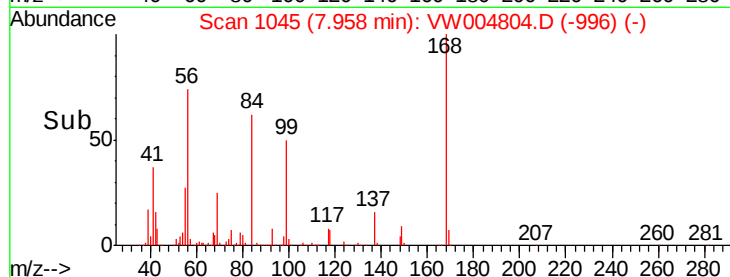
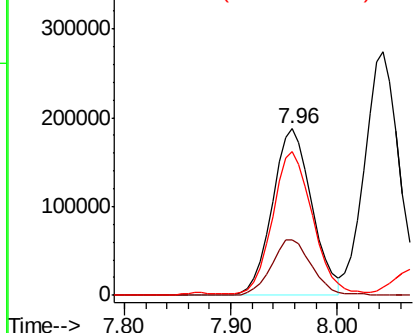
Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.4	27.1	40.7	
84	85.7	68.3	102.5	

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM

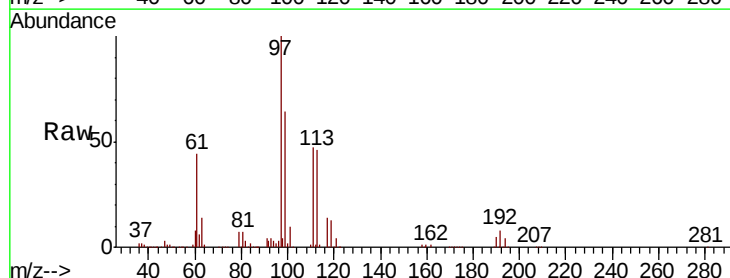


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

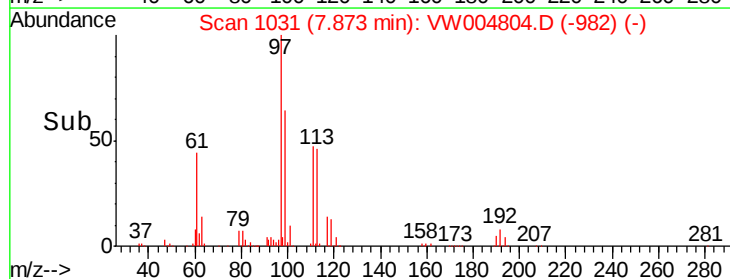
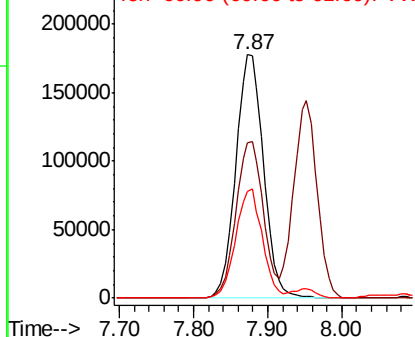


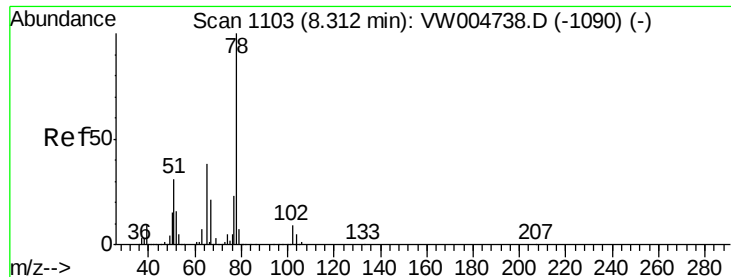
#32
1,1,1-Trichloroethane
Concen: 51.29 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.0	51.7	77.5	
61	43.2	34.4	51.6	



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 52.83 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion: 65 Resp: 303393

Ion Ratio Lower Upper

65 100

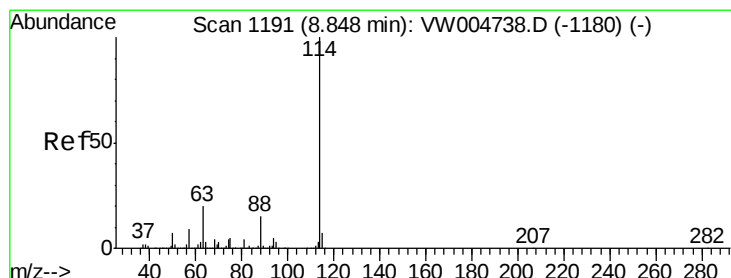
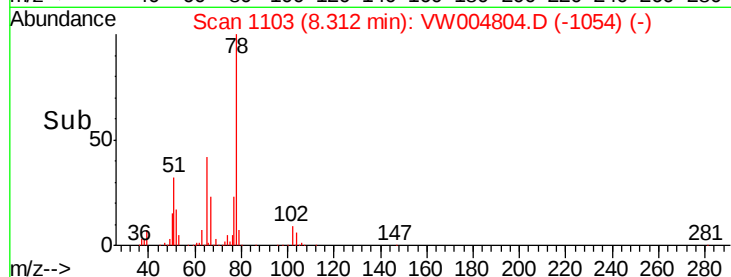
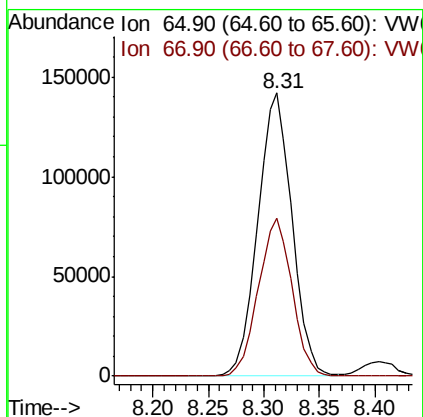
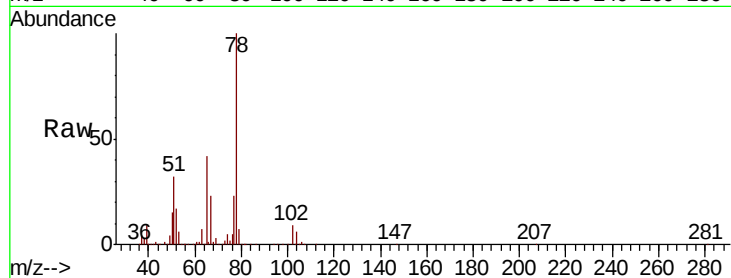
67 54.9 0.0 109.4

Manual Integrations

APPROVED

apatel

8/21/2018 11:32:33 AM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

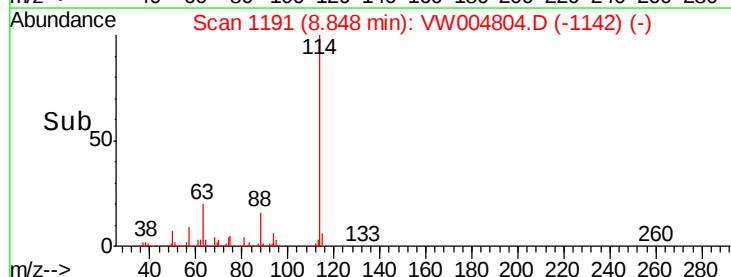
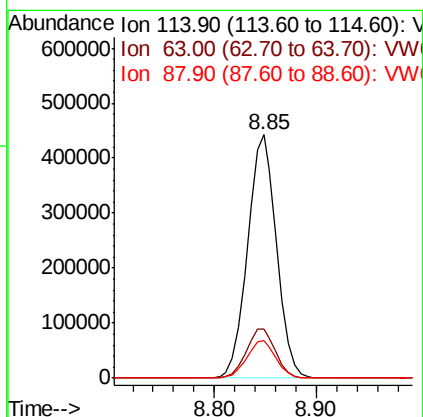
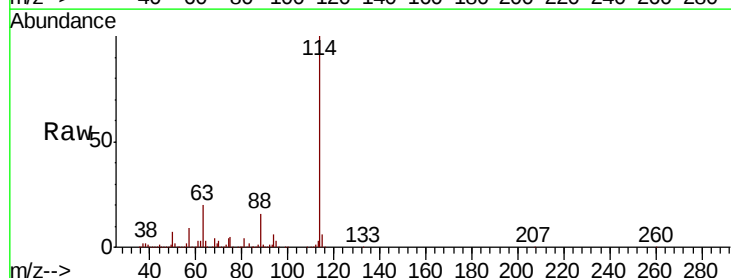
Tgt Ion:114 Resp: 870940

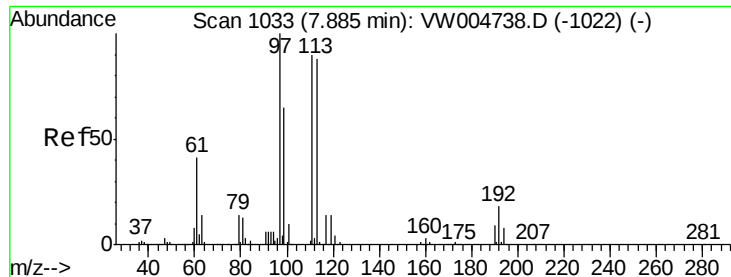
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

88 15.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 54.67 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

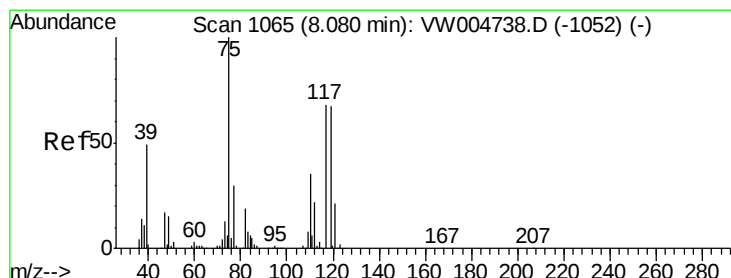
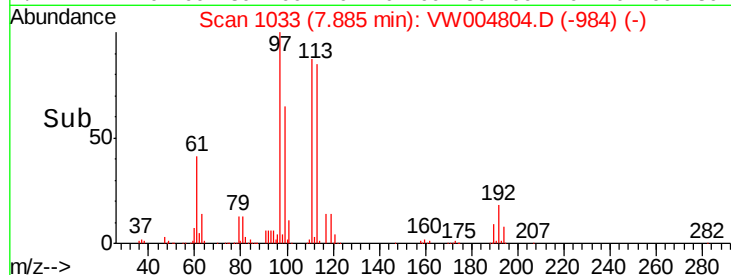
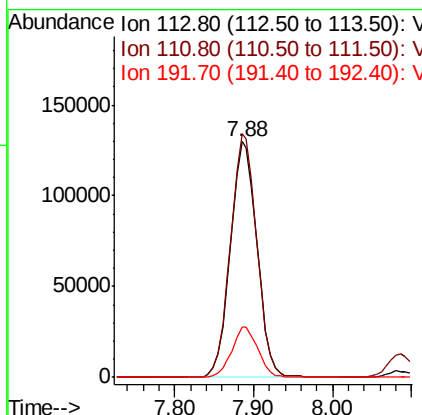
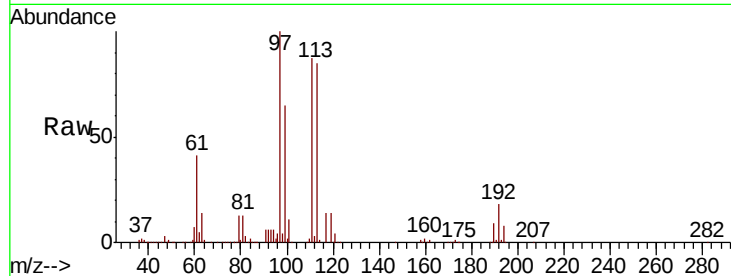
ClientSampleId :

LSB-07(0-1)MSD

Tot Ion:	113	Resp:	304338
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.4	123.6
192	20.9	16.7	25.1

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#36

1,1-Dichloropropene

Concen: 47.83 ug/l

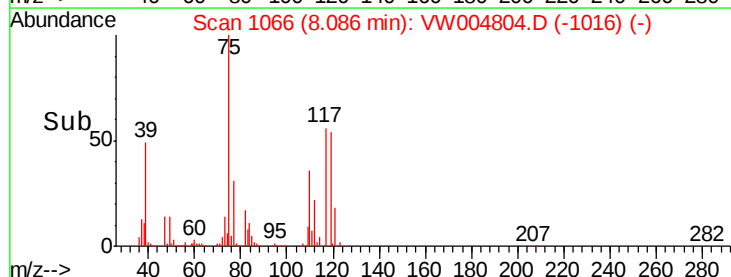
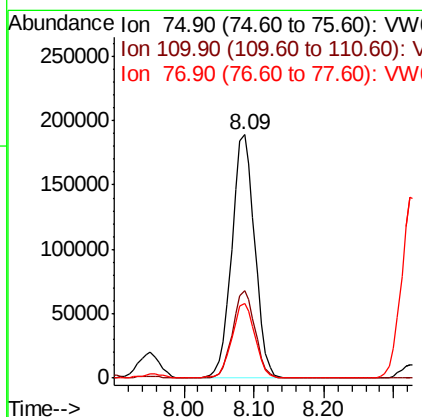
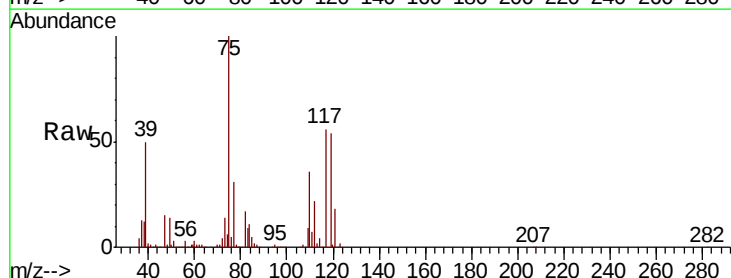
RT: 8.09 min Scan# 1066

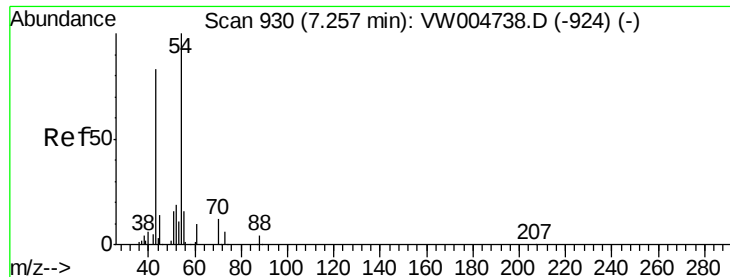
Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion:	75	Resp:	429097
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.8	53.5
77	31.0	24.9	37.3





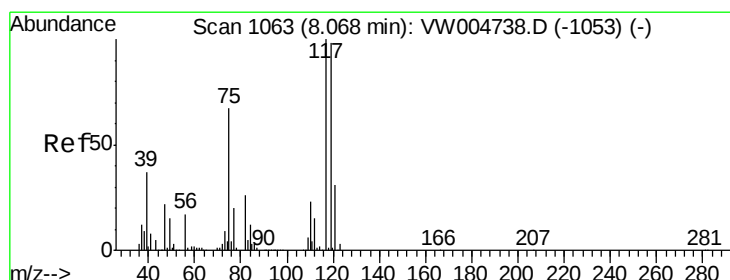
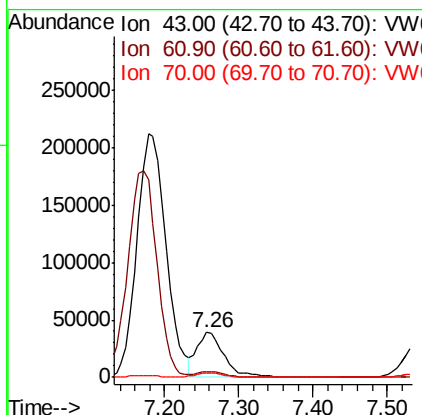
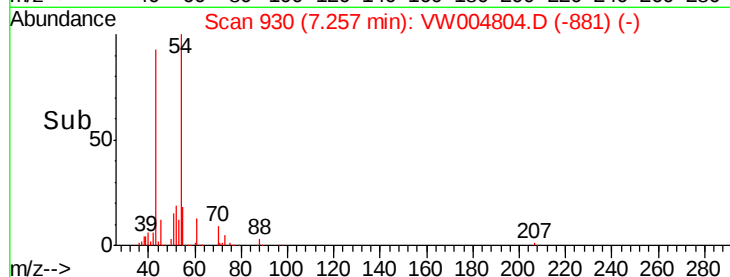
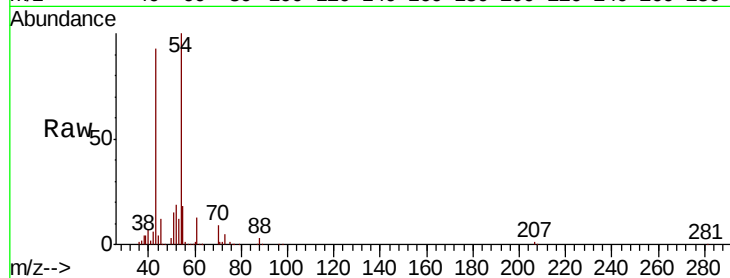
#37
Ethyl Acetate
Concen: 27.61 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	10.8	9.2	13.8

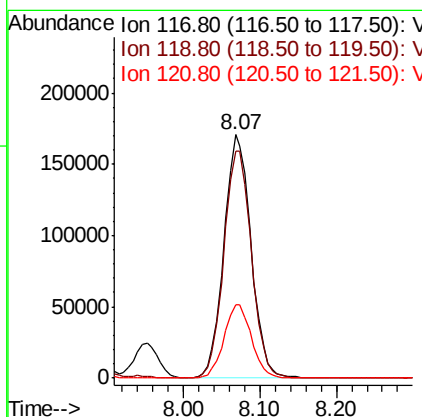
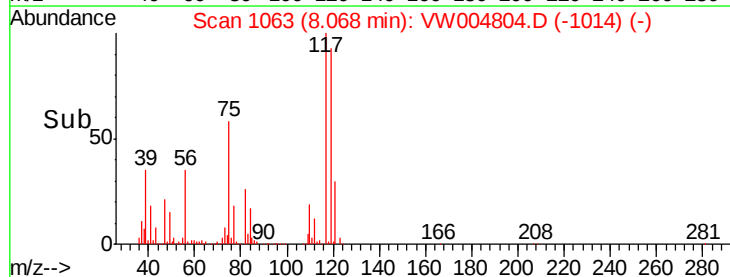
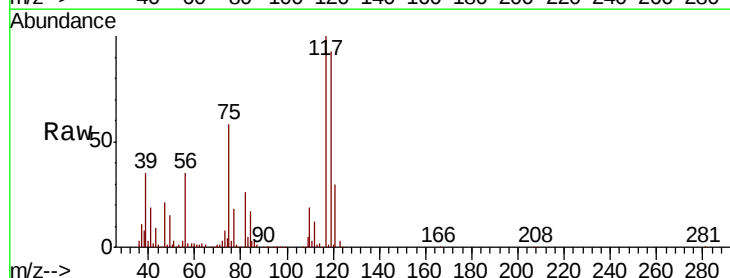
Manual Integrations
APPROVED

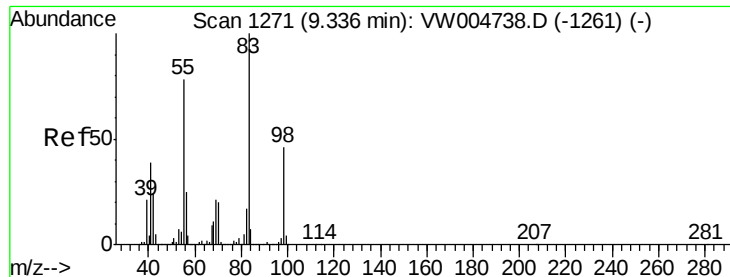
apatel
8/21/2018 11:32:33 AM



#38
Carbon Tetrachloride
Concen: 50.51 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	78.0	117.0
121	30.0	24.8	37.2





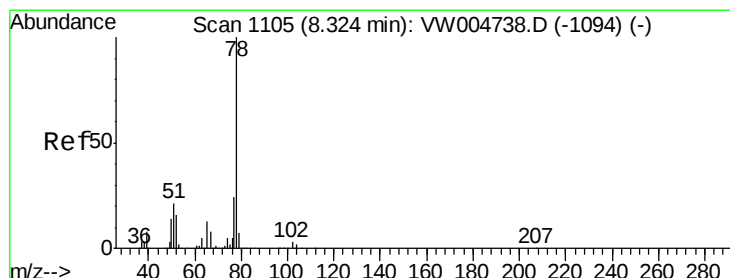
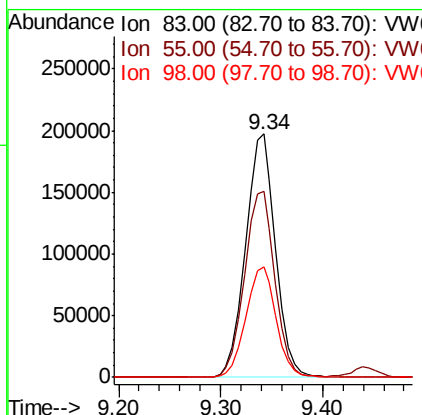
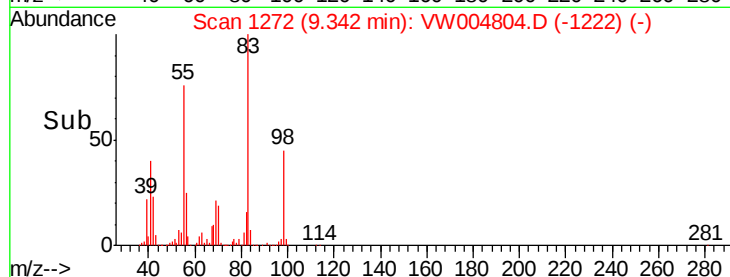
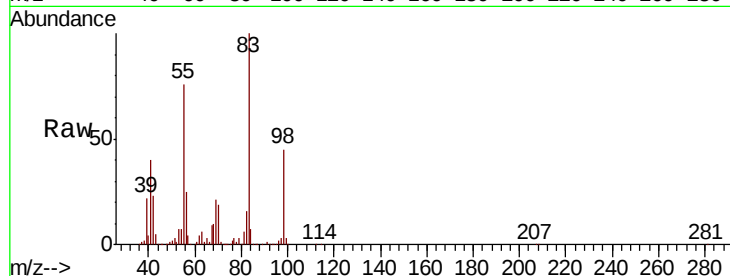
#39
Methvlcvclohexane
Concen: 35.76 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	62.4	93.6
98	45.2	36.5	54.7

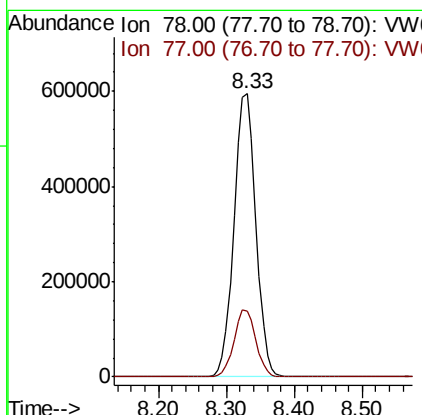
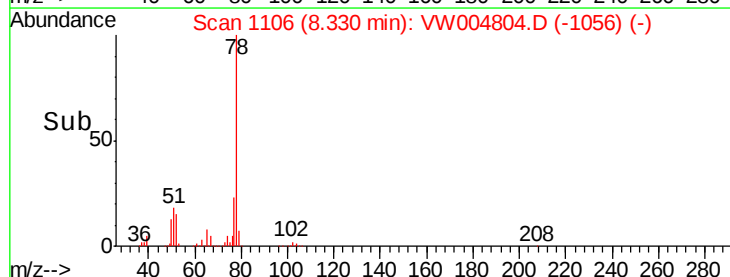
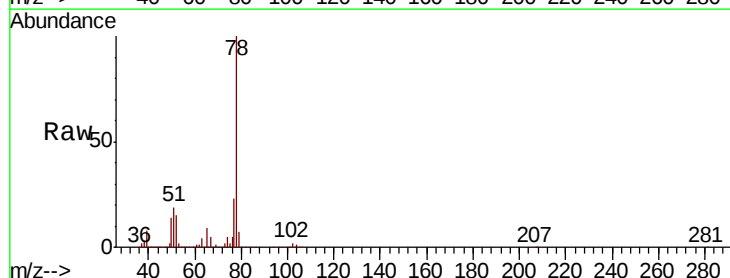
Manual Integrations
APPROVED

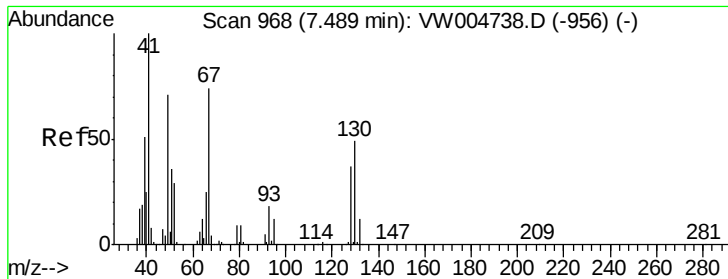
apatel
8/21/2018 11:32:33 AM



#40
Benzene
Concen: 50.68 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





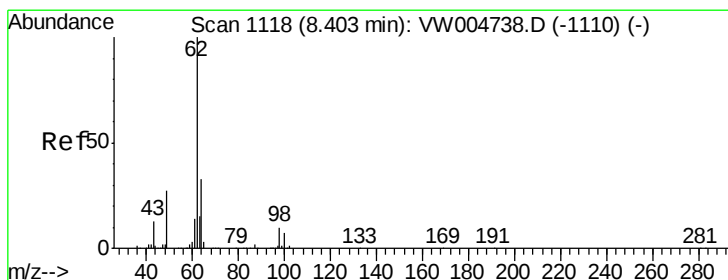
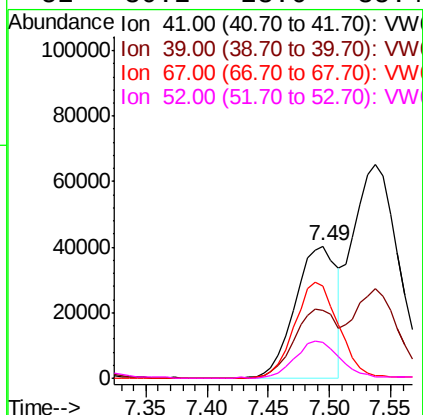
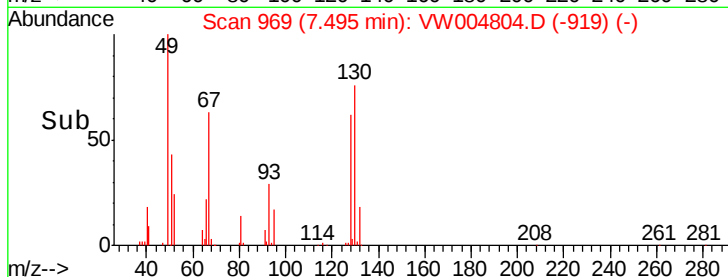
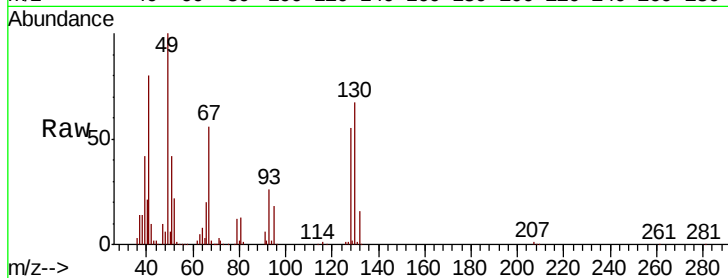
#41
Methacrylonitrile
Concen: 47.00 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.2	41.0	61.4	
67	77.8	59.5	89.3	
52	30.2	23.6	35.4	

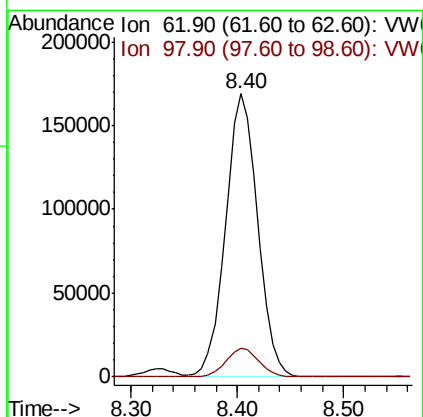
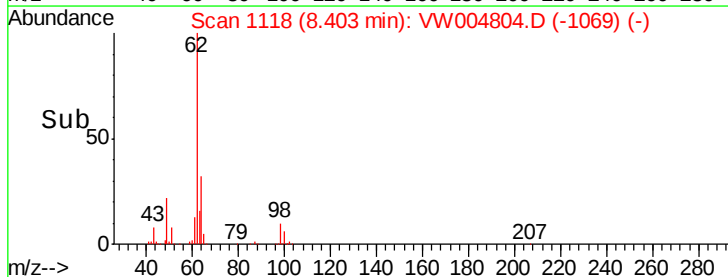
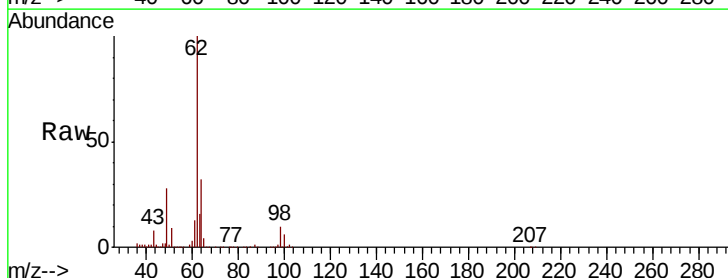
Manual Integrations
APPROVED

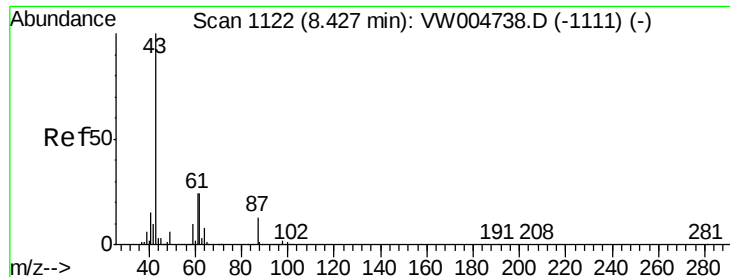
apatel
8/21/2018 11:32:33 AM



#42
1,2-Dichloroethane
Concen: 53.33 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.2	





#43

Isopropyl Acetate

Concen: 34.97 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

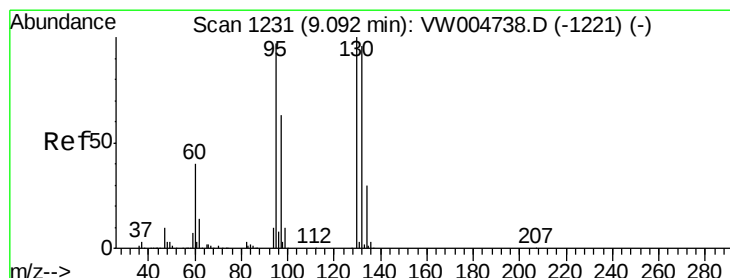
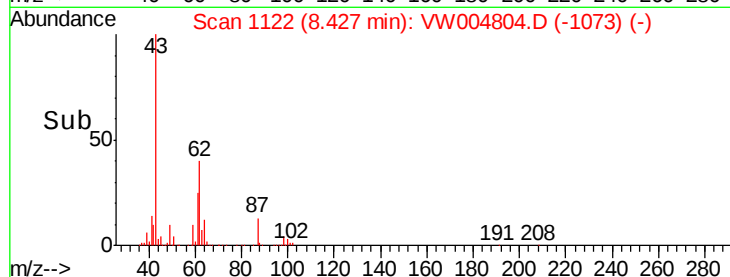
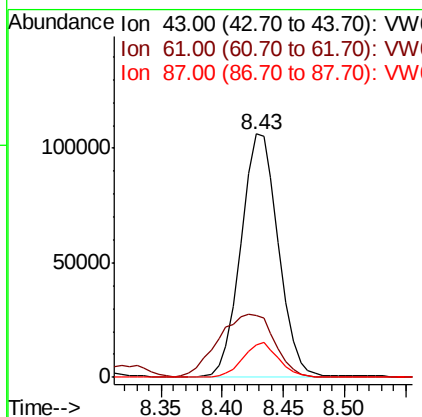
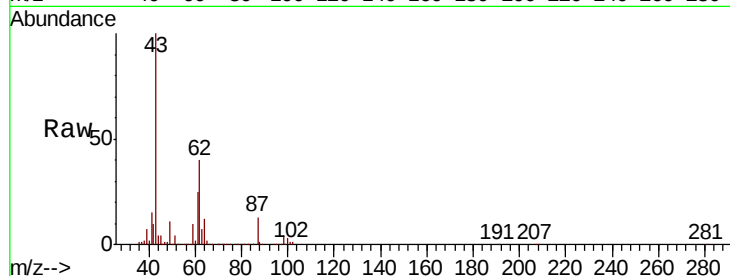
ClientSampled :

LSB-07(0-1)MSD

Tot Ion:	43	Resp:	224670
Ion	Ratio	Lower	Upper
43	100		
61	39.4	26.2	39.4#
87	13.9	10.9	16.3

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#44

Trichloroethene

Concen: 47.14 ug/l

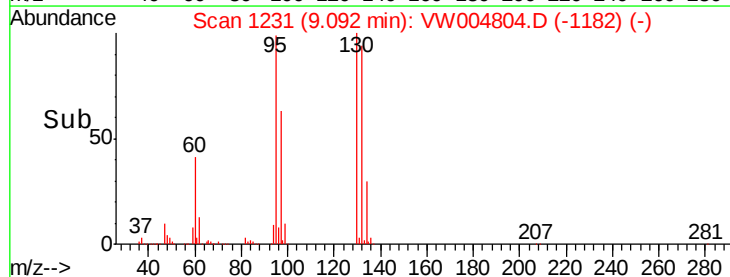
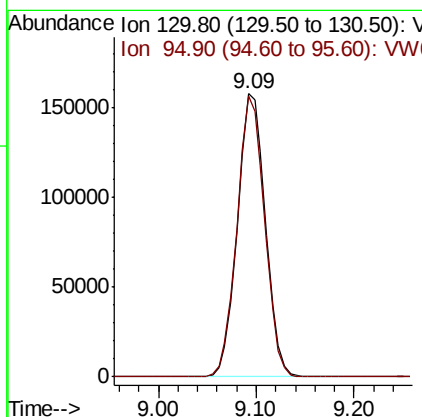
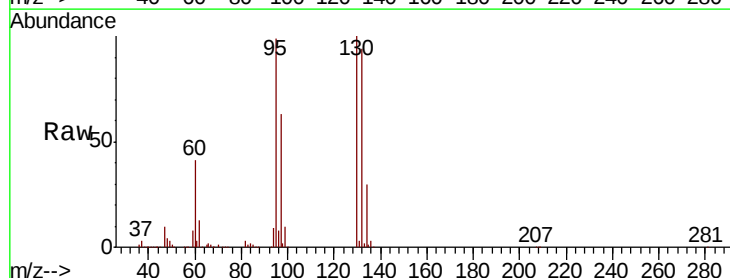
RT: 9.09 min Scan# 1231

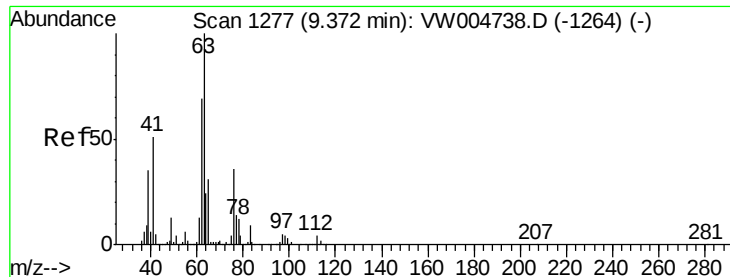
Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion:	130	Resp:	312005
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	194.4





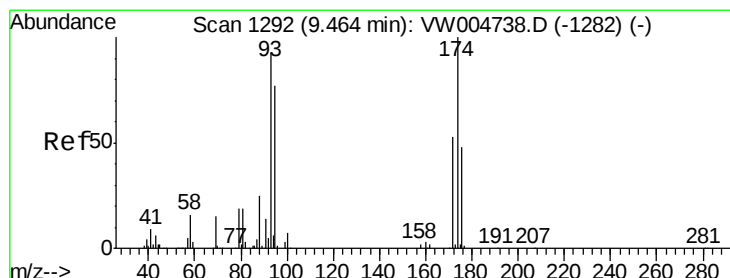
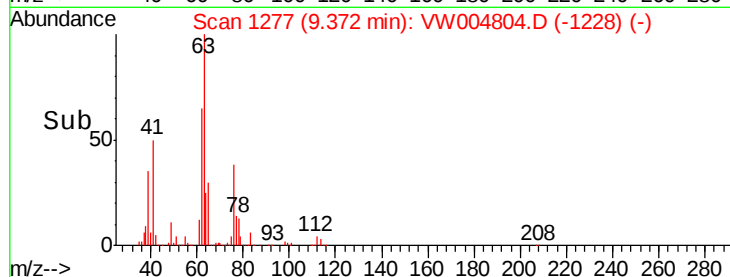
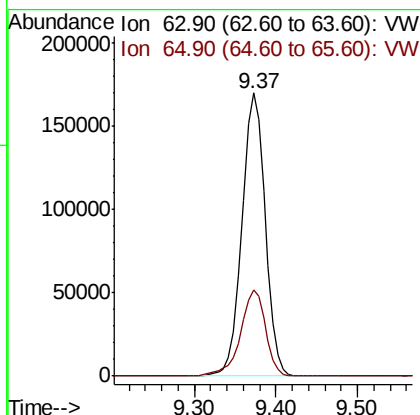
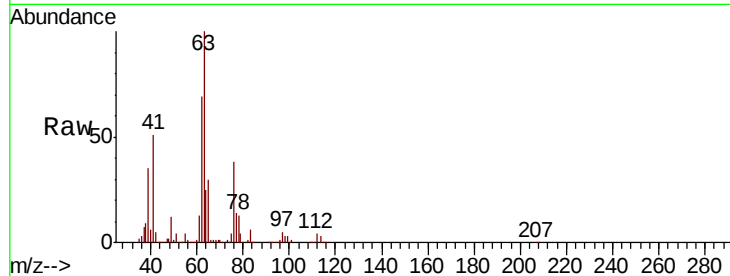
#45
 1,2-Dichloropropane
 Concen: 52.59 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	37.0

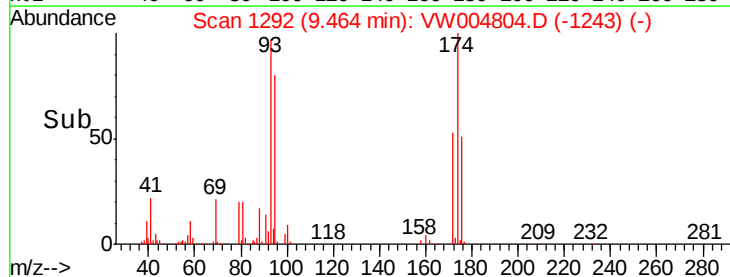
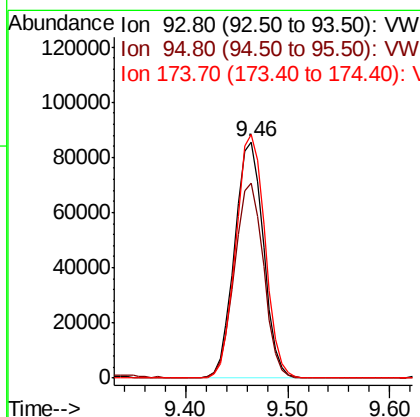
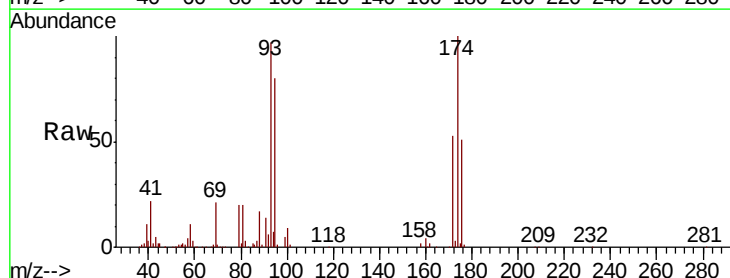
Manual Integrations
 APPROVED

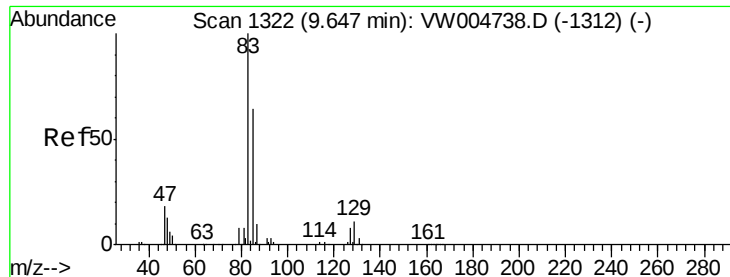
apatel
 8/21/2018 11:32:33 AM



#46
 Dibromomethane
 Concen: 52.95 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.6	99.8
174	104.4	85.3	127.9





#47

Bromodichloromethane

Concen: 51.67 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

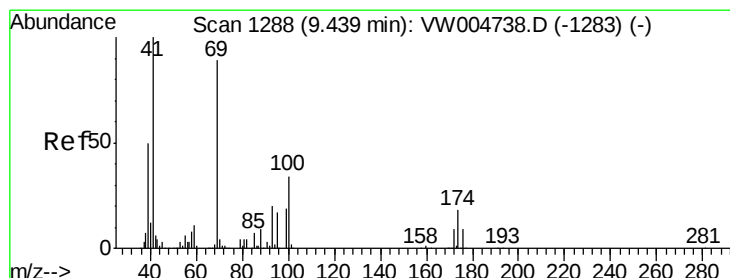
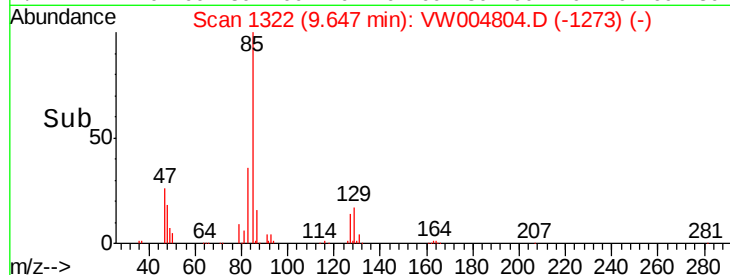
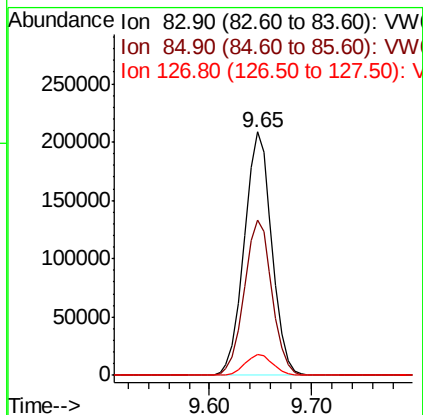
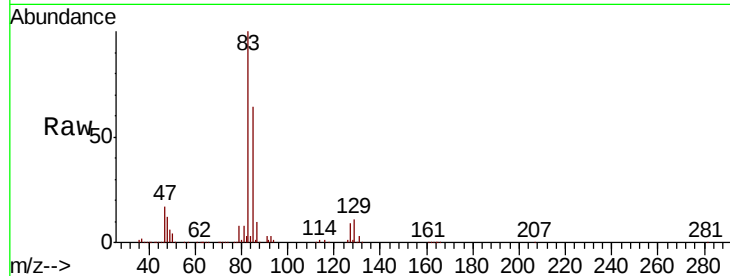
ClientSampleId :

LSB-07(0-1)MSD

Tot Ion:	83	Resp:	389951
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.2	76.8
127	8.7	6.7	10.1

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#48

Methyl methacrylate

Concen: 66.21 ug/l

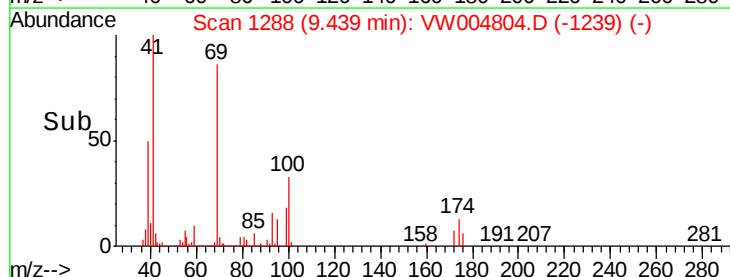
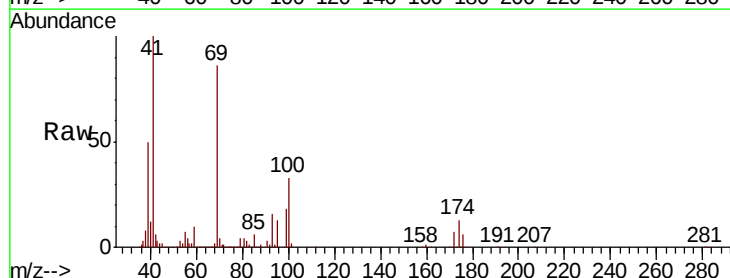
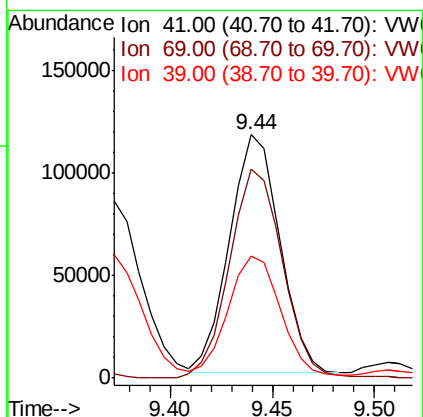
RT: 9.44 min Scan# 1288

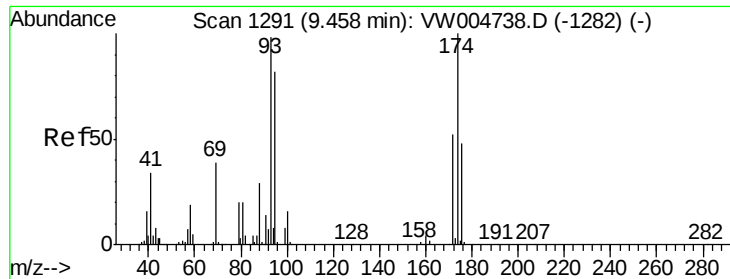
Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion:	41	Resp:	199588
Ion Ratio	Lower	Upper	
41	100		
69	92.1	75.2	112.8
39	53.6	39.8	59.6





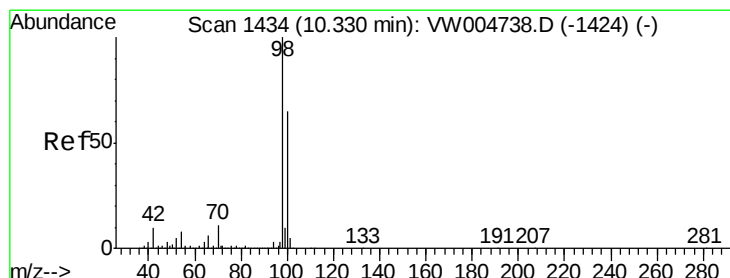
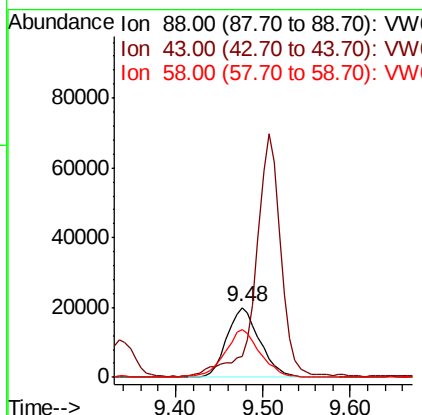
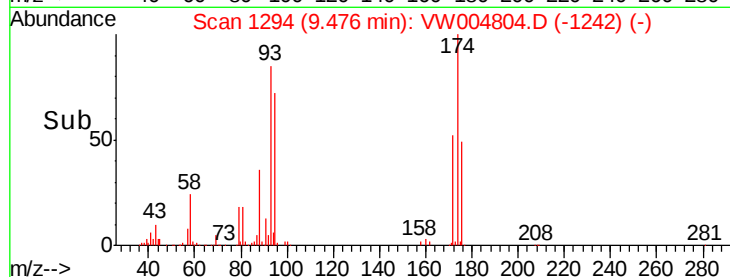
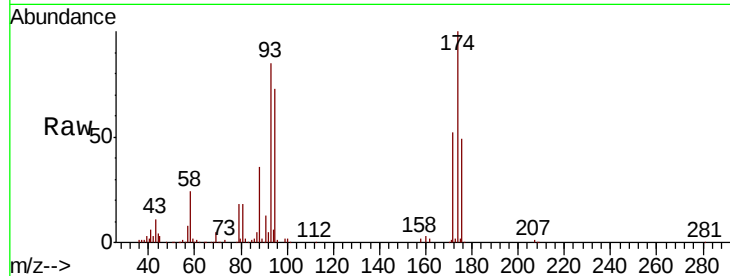
#49
1,4-Dioxane
Concen: 1131.18 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.02 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	74.2	60.0	90.0

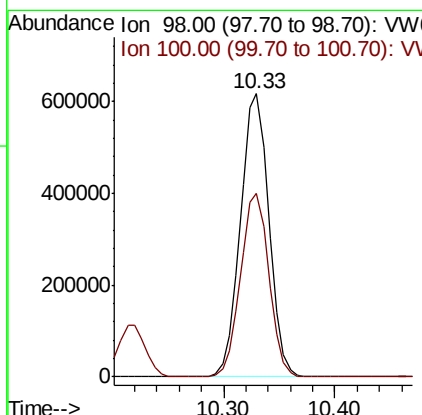
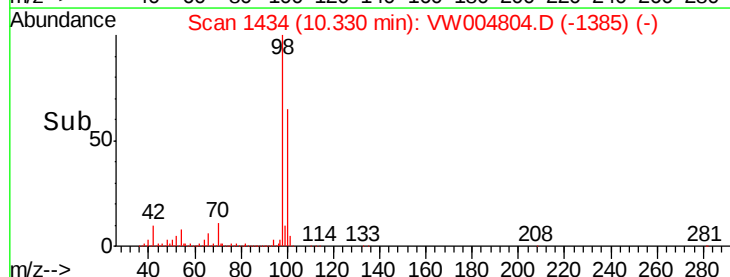
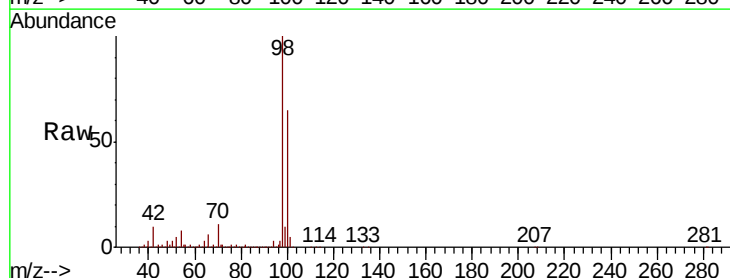
Manual Integrations
APPROVED

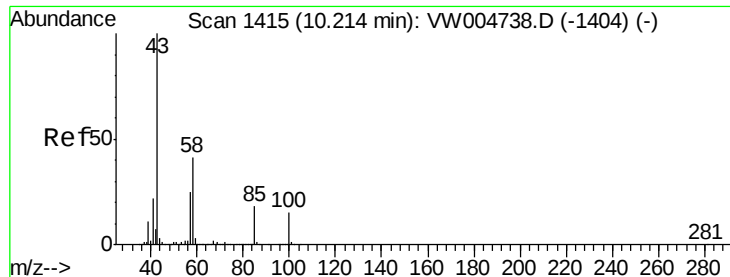
apatel
8/21/2018 11:32:33 AM



#50
Toluene-d8
Concen: 50.22 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 289.40 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion: 43 Resp: 1256531

Ion Ratio Lower Upper

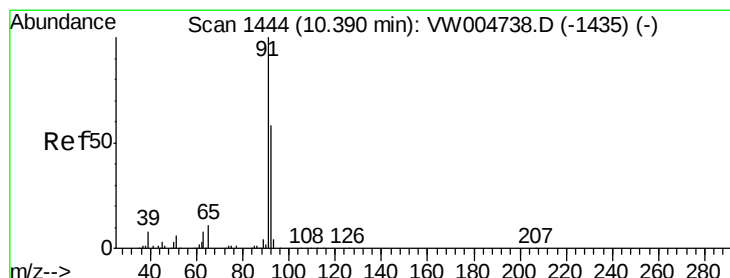
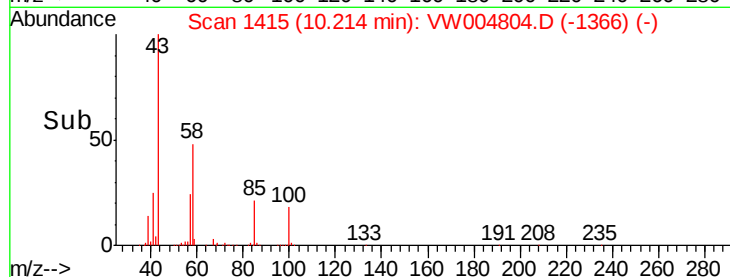
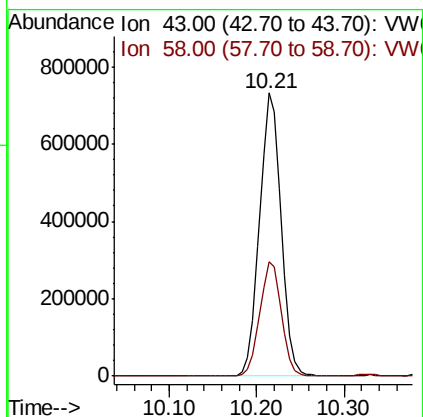
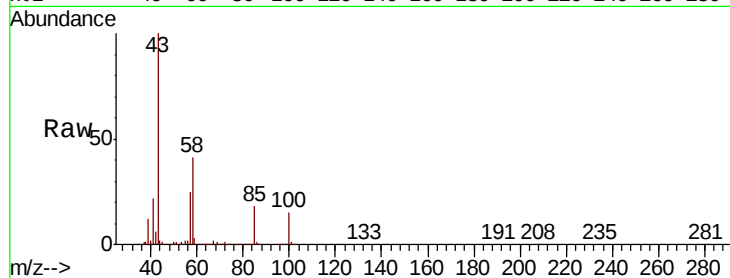
43 100

58 40.6 32.7 49.1

Manual Integrations
APPROVED

apatel

8/21/2018 11:32:33 AM



#52

Toluene

Concen: 48.65 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004804.D

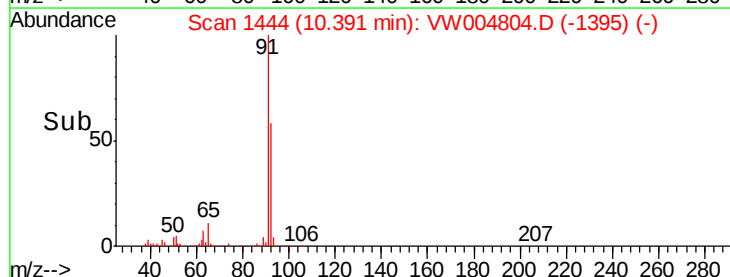
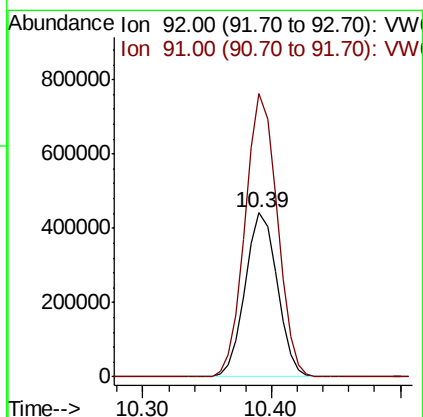
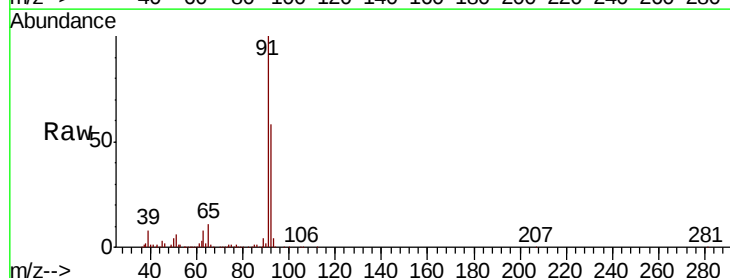
Acq: 20 Aug 2018 20:53

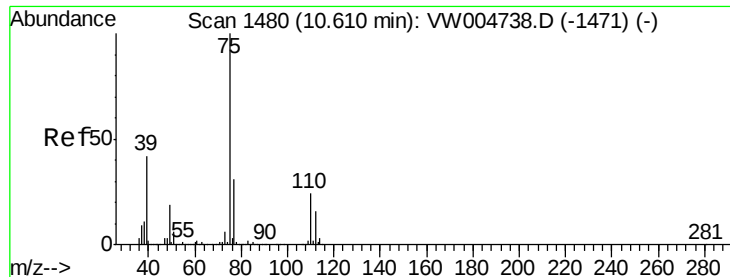
Tgt Ion: 92 Resp: 760791

Ion Ratio Lower Upper

92 100

91 172.8 138.3 207.5





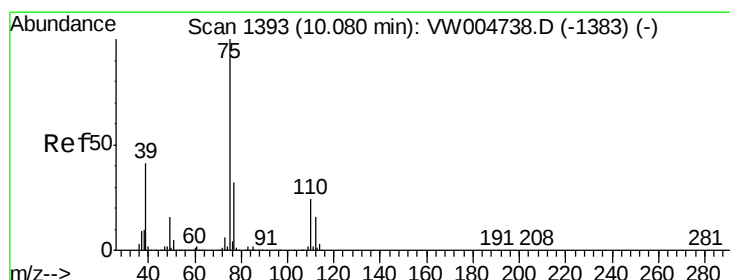
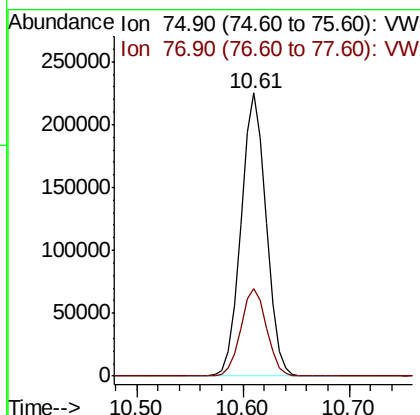
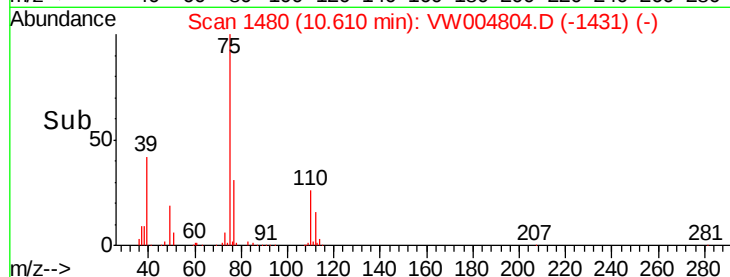
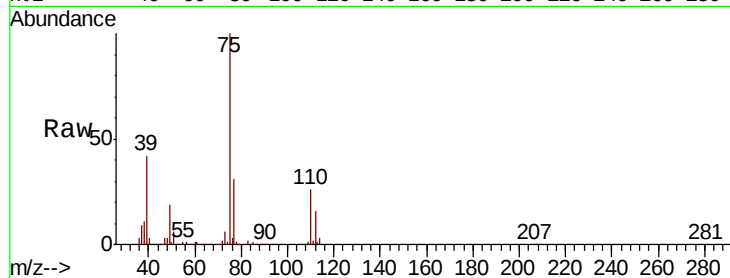
#53
 t-1,3-Dichloropropene
 Concen: 49.05 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampled :
 LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2

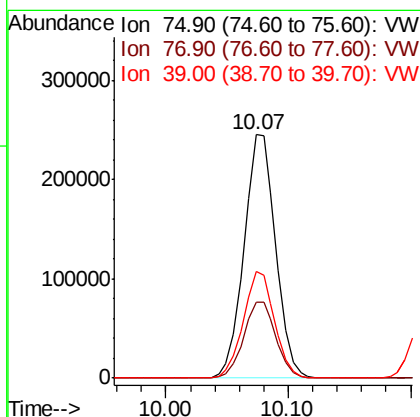
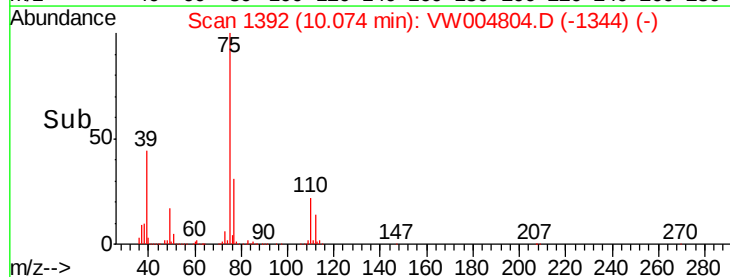
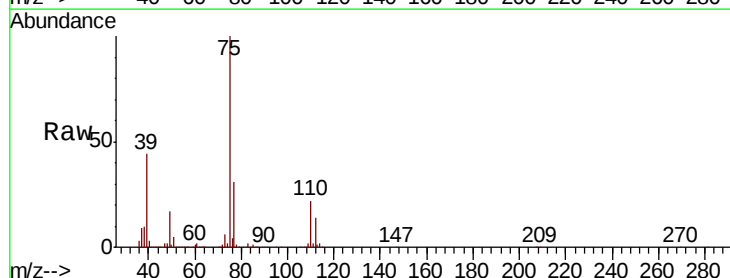
Manual Integrations
 APPROVED

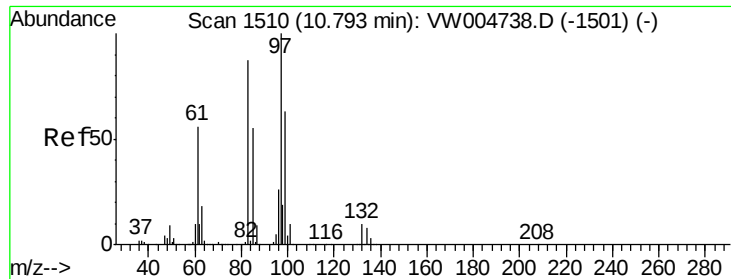
apatel
 8/21/2018 11:32:33 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.49 ug/l
 RT: 10.07 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.6	38.4
39	43.8	33.0	49.4





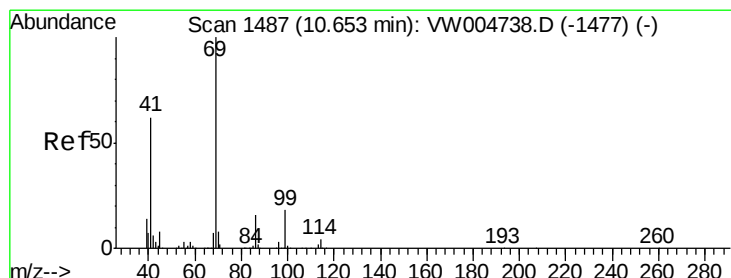
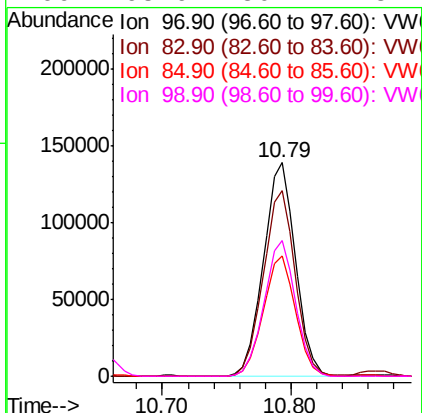
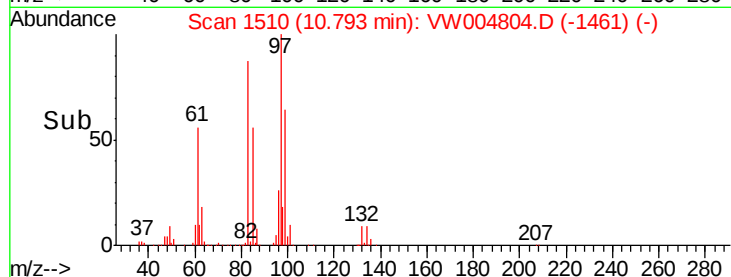
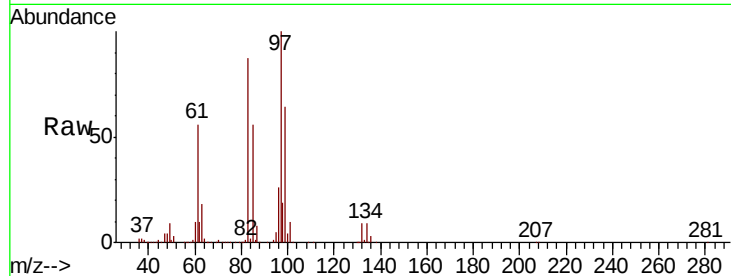
#55
 1,1,2-Trichloroethane
 Concen: 53.33 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		239551		
83	87.0	69.4	104.2		
85	56.3	44.3	66.5		
99	63.6	50.2	75.2		

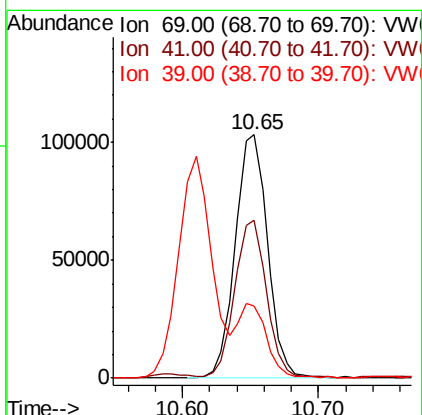
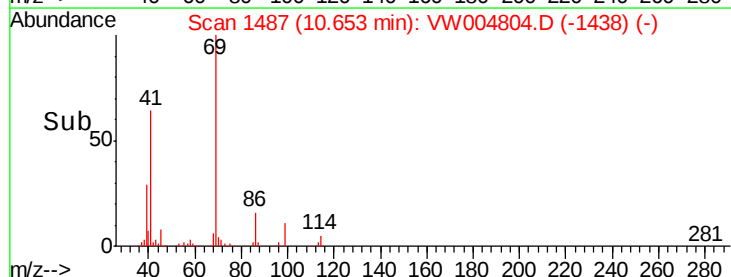
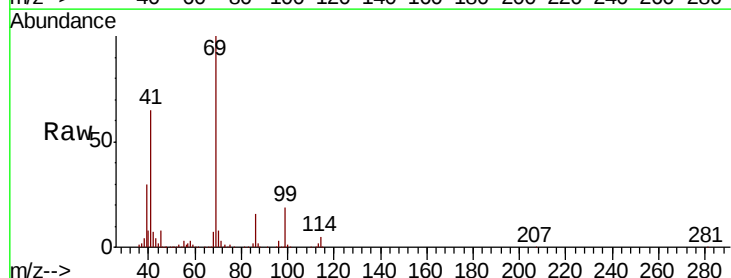
Manual Integrations
 APPROVED

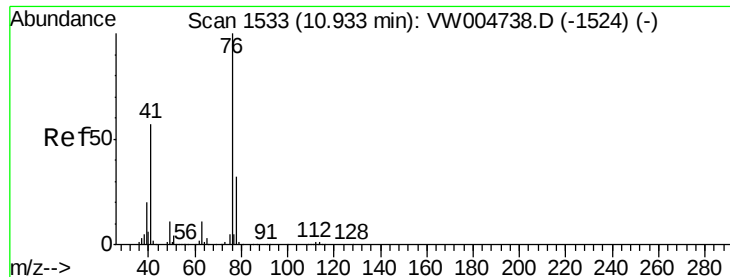
apatel
 8/21/2018 11:32:33 AM



#56
 Ethyl methacrylate
 Concen: 30.36 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		170868		
41	63.3	50.7	76.1		
39	27.3	21.4	32.2		





#57

1,3-Dichloropropane

Concen: 52.72 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion: 76 Resp: 408723

Ion Ratio Lower Upper

76 100

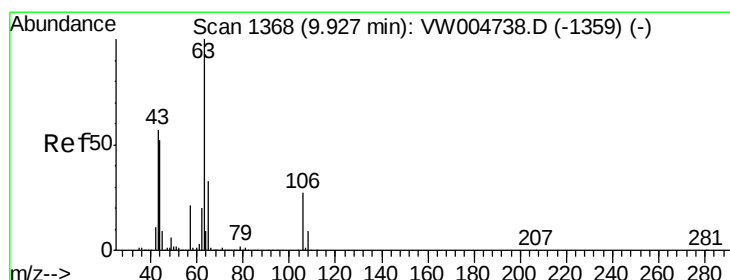
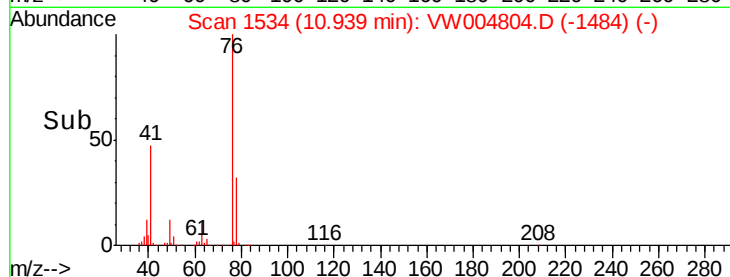
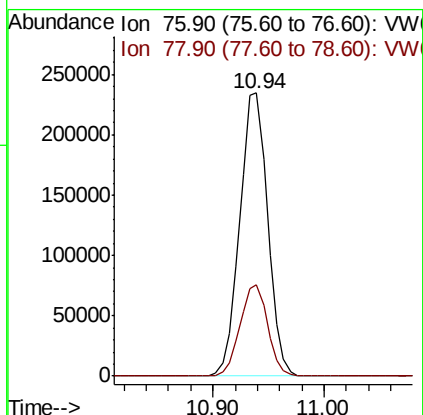
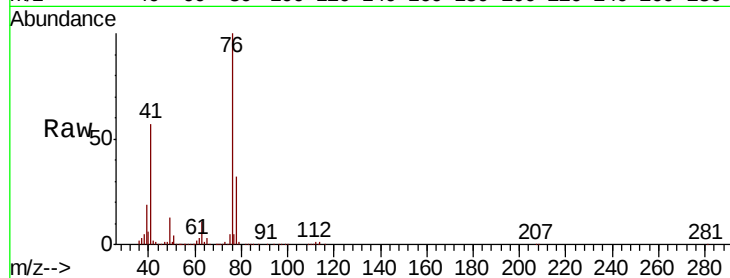
78 32.1 25.9 38.9

Manual Integrations

APPROVED

apatel

8/21/2018 11:32:33 AM



#58

2-Chloroethyl Vinyl ether

Concen: 291.81 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004804.D

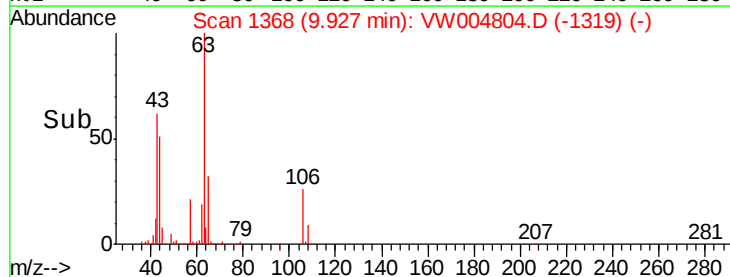
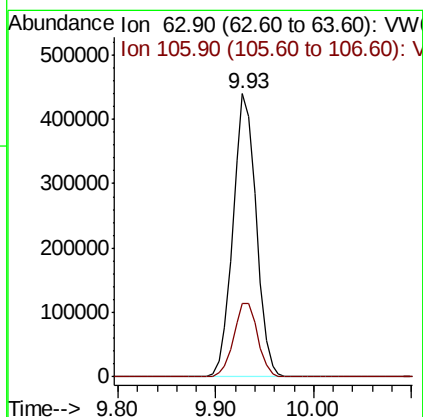
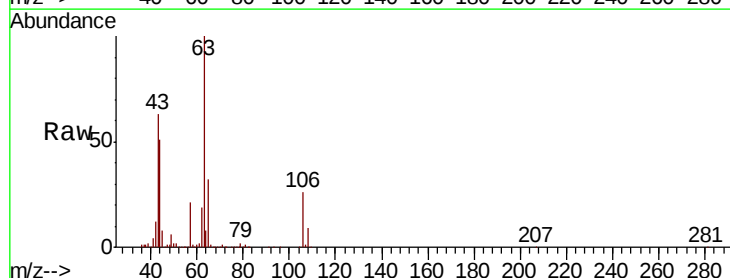
Acq: 20 Aug 2018 20:53

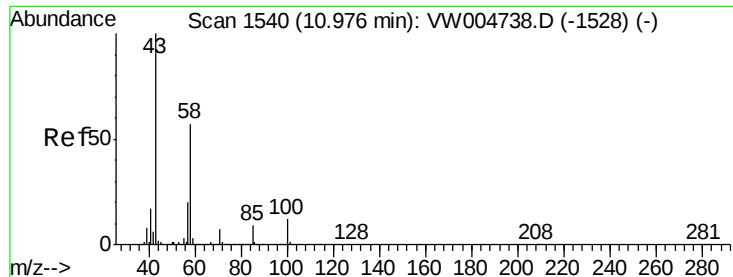
Tgt Ion: 63 Resp: 723848

Ion Ratio Lower Upper

63 100

106 27.0 22.1 33.1





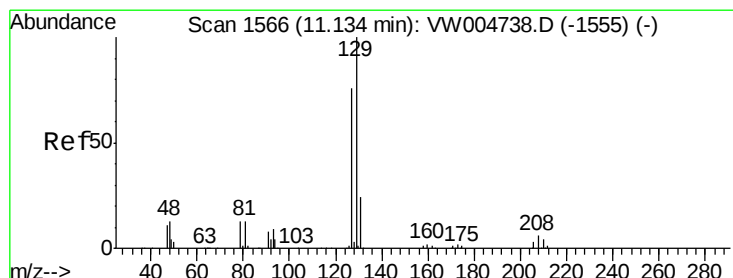
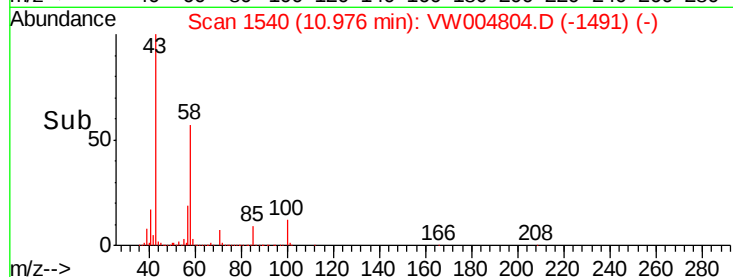
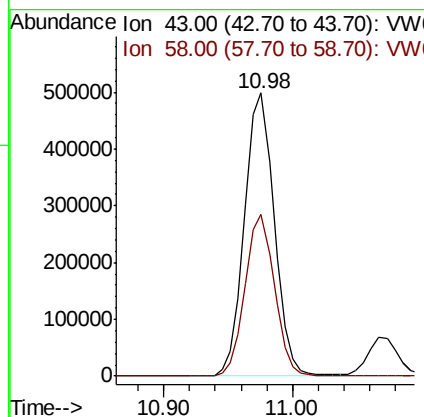
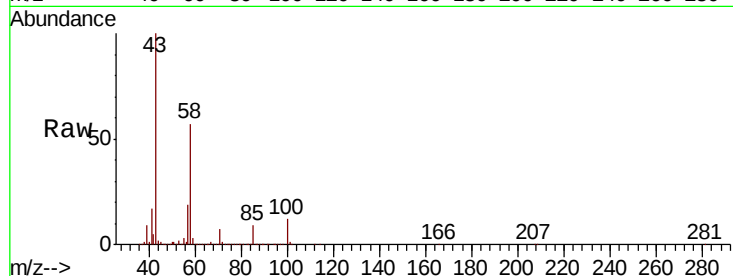
#59
2-Hexanone
Concen: 271.65 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.1	84.4

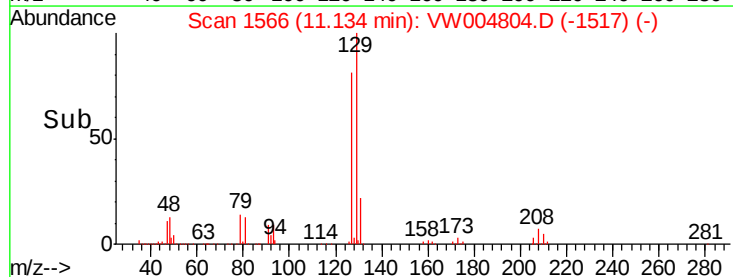
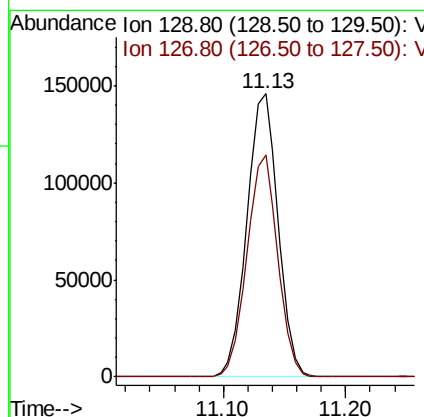
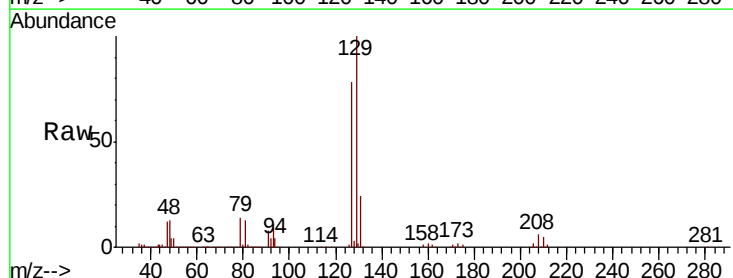
Manual Integrations
APPROVED

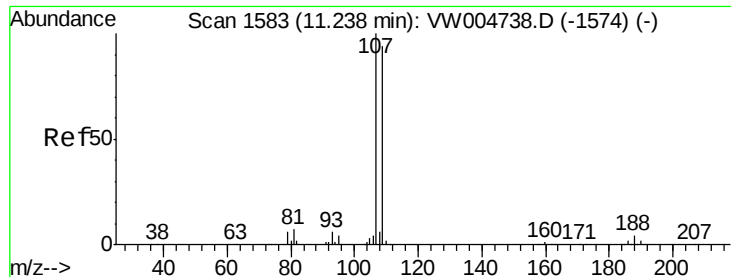
apatel
8/21/2018 11:32:33 AM



#60
Dibromochloromethane
Concen: 51.40 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5





#61

1,2-Dibromoethane

Concen: 50.89 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion: 107 Resp: 218472

Ion Ratio Lower Upper

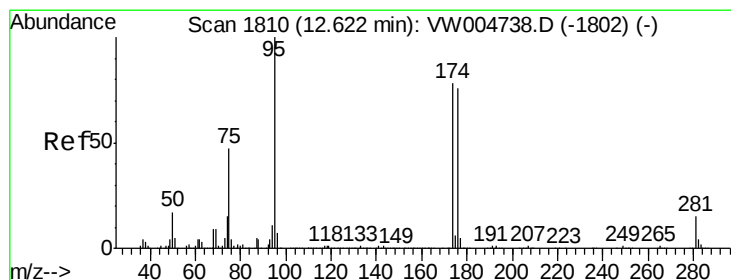
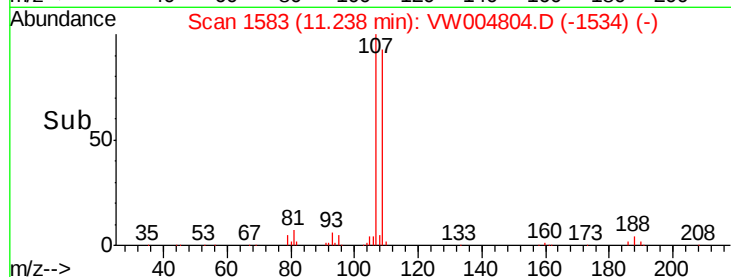
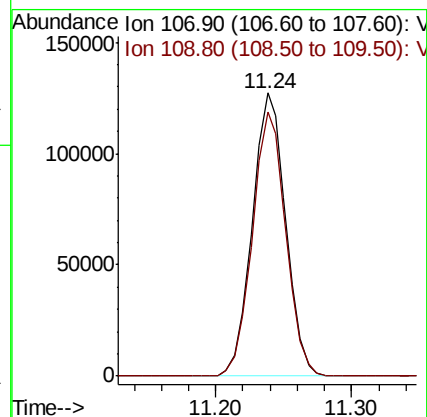
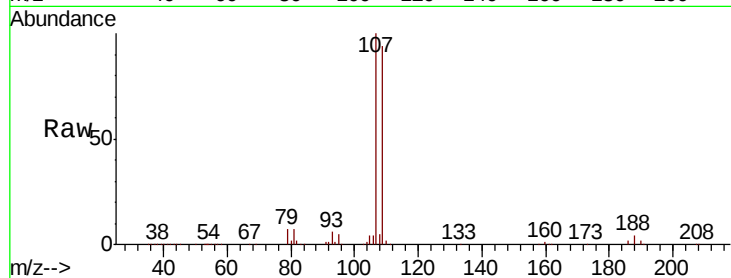
107 100

109 93.5 75.5 113.3

Manual Integrations
APPROVED

apatel

8/21/2018 11:32:33 AM



#62

4-Bromofluorobenzene

Concen: 42.56 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

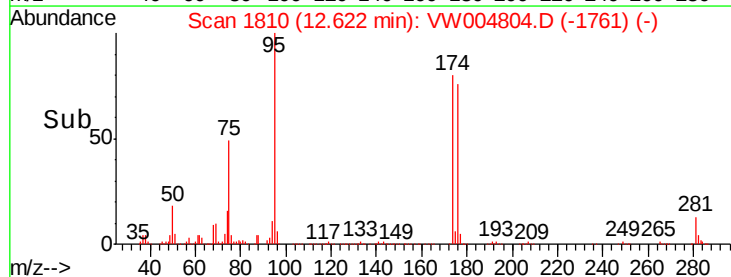
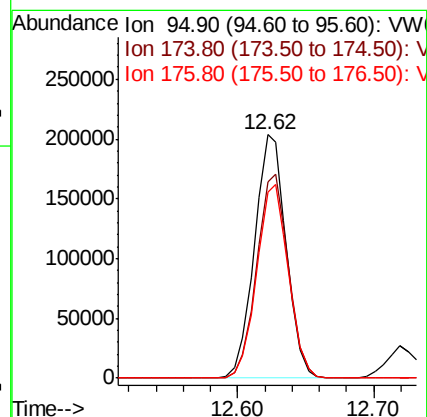
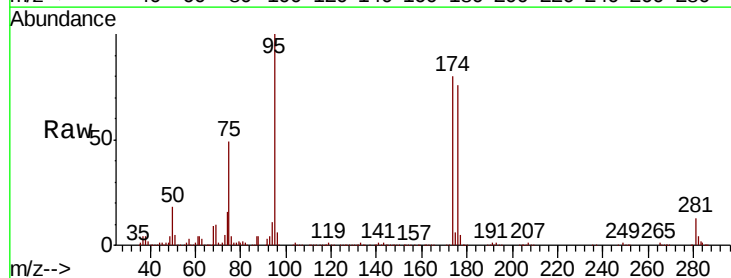
Tgt Ion: 95 Resp: 332699

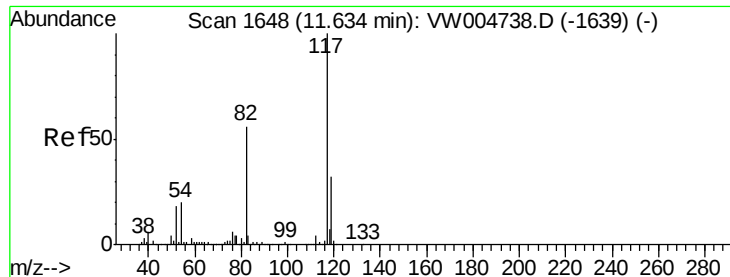
Ion Ratio Lower Upper

95 100

174 83.5 0.0 165.8

176 79.6 0.0 159.8





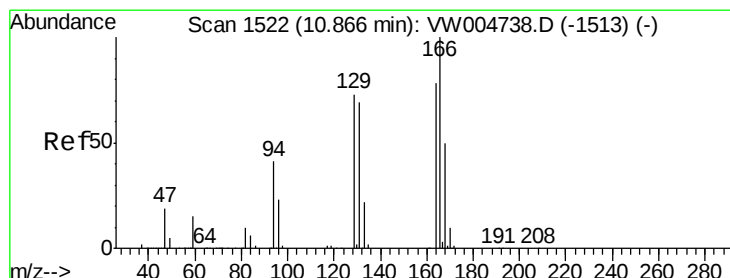
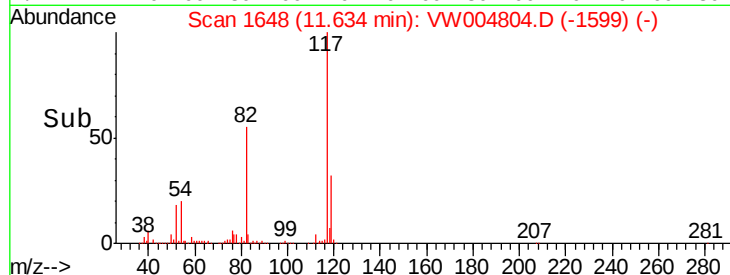
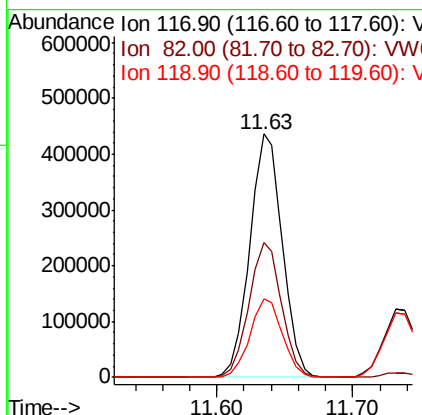
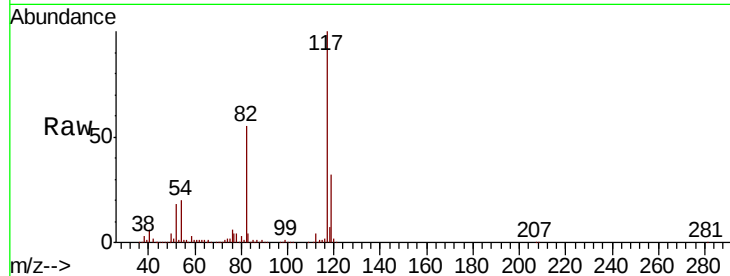
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	732225		
82	55.4		44.6	67.0
119	32.5		25.6	38.4

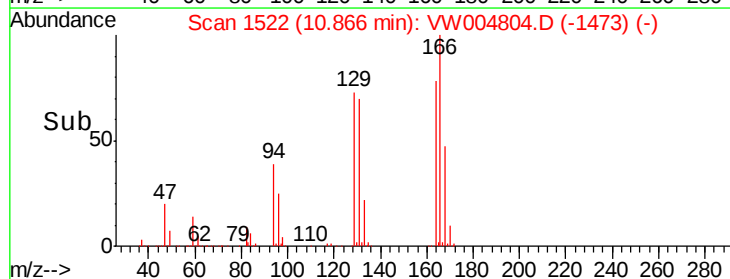
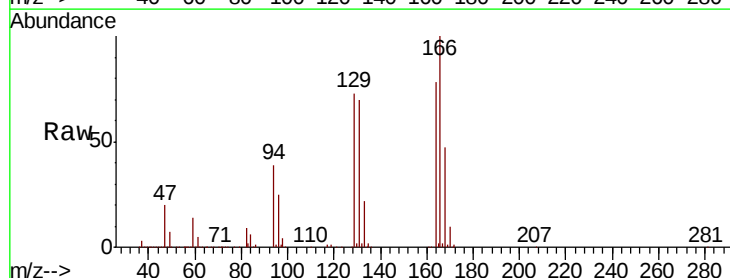
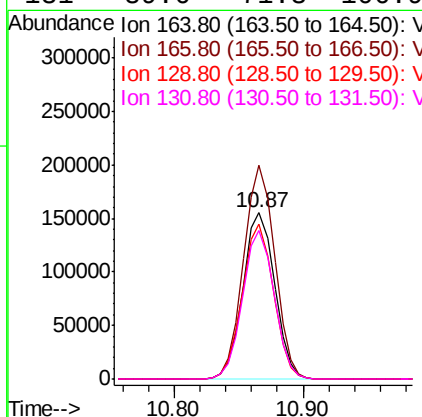
Manual Integrations
APPROVED

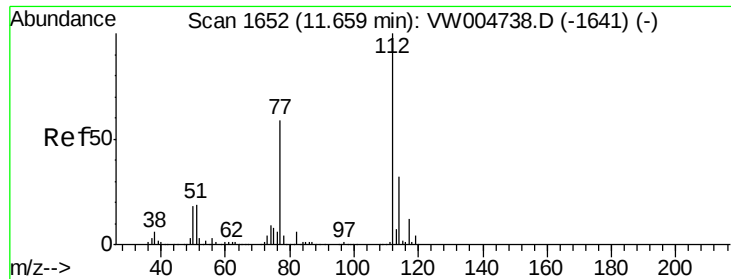
apatel
8/21/2018 11:32:33 AM



#64
Tetrachloroethene
Concen: 52.82 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	264319		
166	128.6		102.5	153.7
129	93.6		75.1	112.7
131	89.6		71.3	106.9





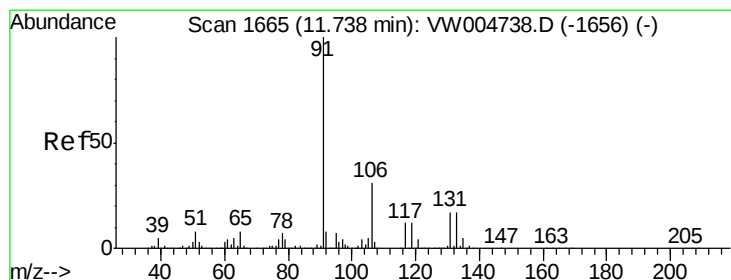
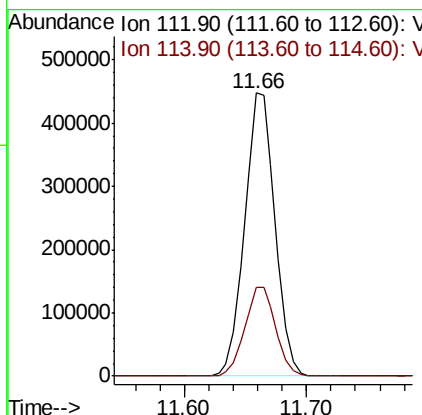
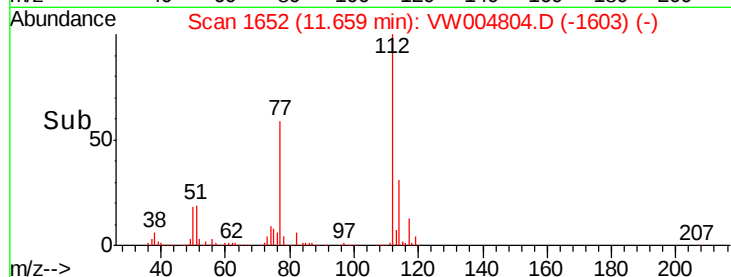
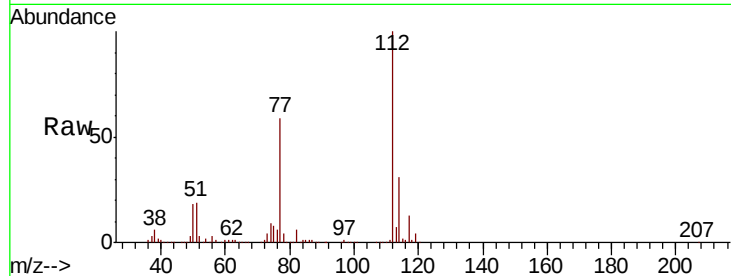
#65
Chlorobenzene
Concen: 48.67 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.2

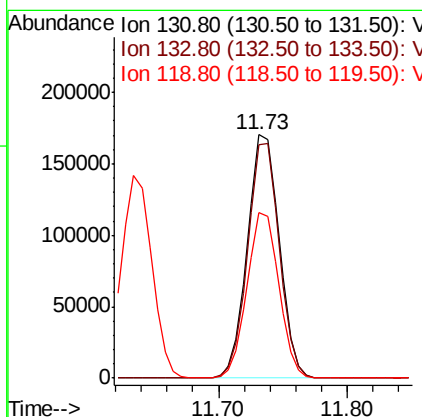
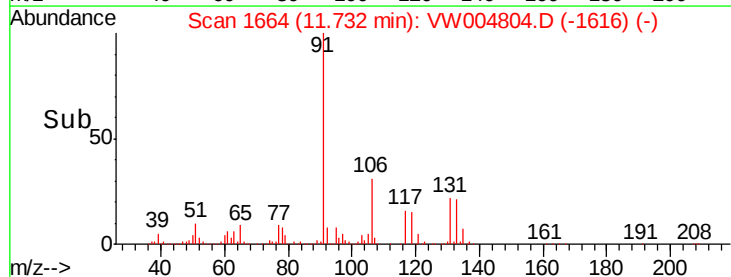
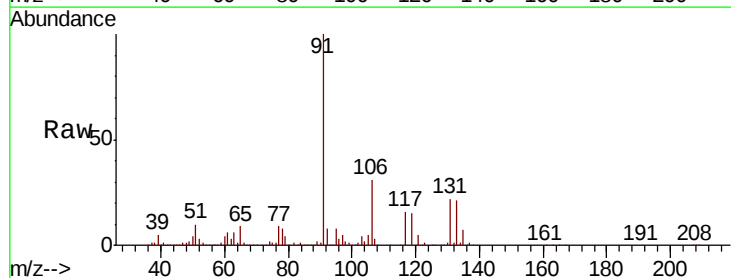
Manual Integrations
APPROVED

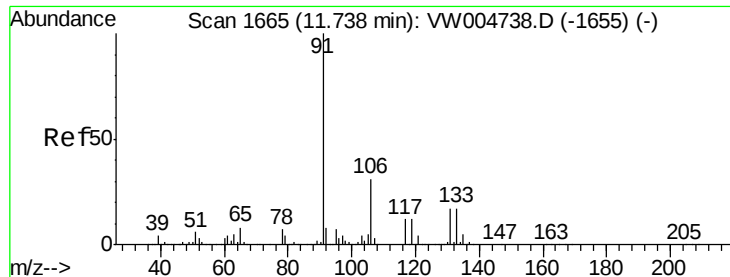
apatel
8/21/2018 11:32:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 54.64 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.2	144.6
119	67.8	34.0	102.0





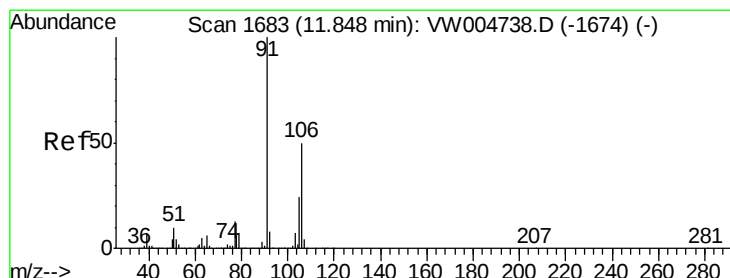
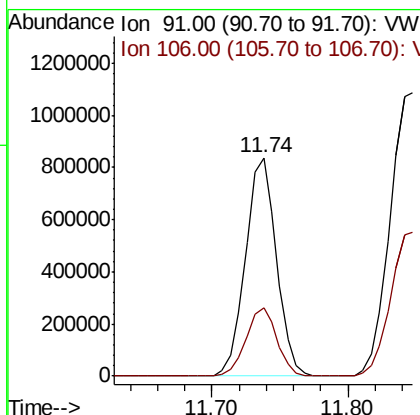
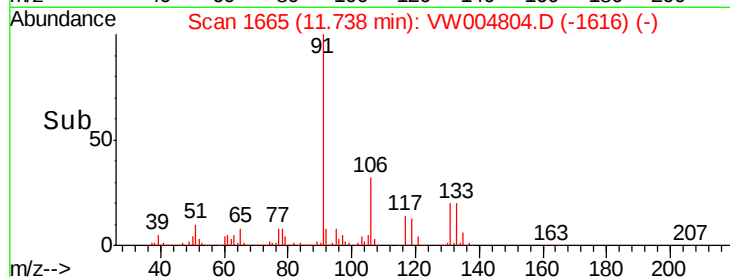
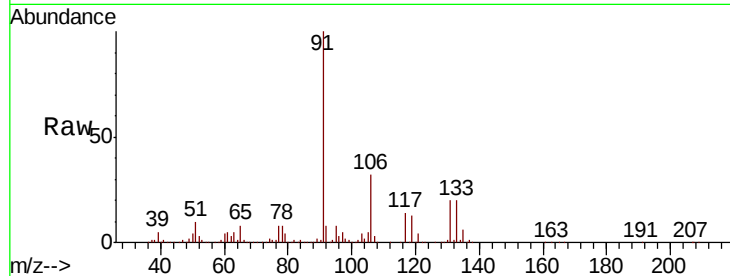
#67
Ethyl Benzene
Concen: 49.95 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion: 91 Resp: 1334444
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3

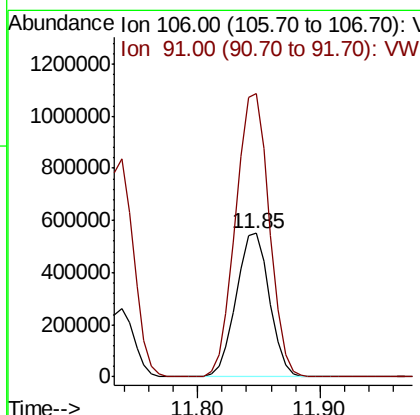
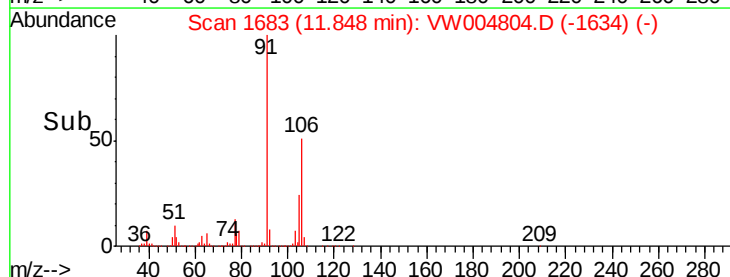
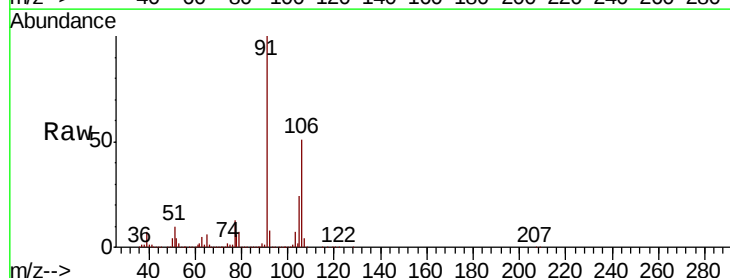
Manual Integrations
APPROVED

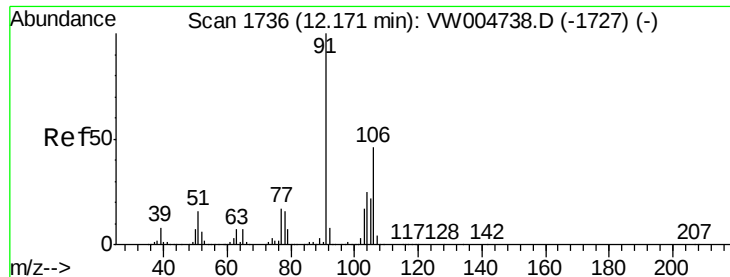
apatel
8/21/2018 11:32:33 AM



#68
m/p-Xylenes
Concen: 99.95 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion:106 Resp: 1038950
Ion Ratio Lower Upper
106 100
91 199.2 159.9 239.9





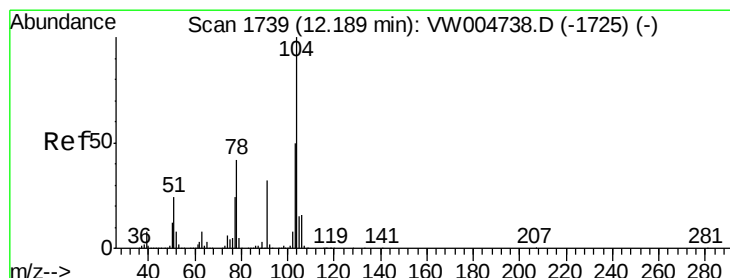
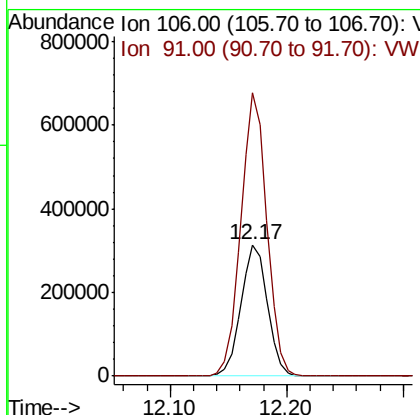
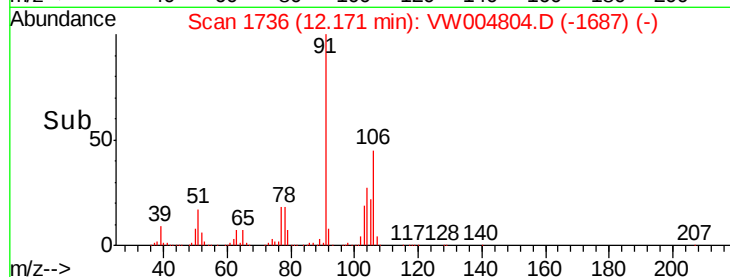
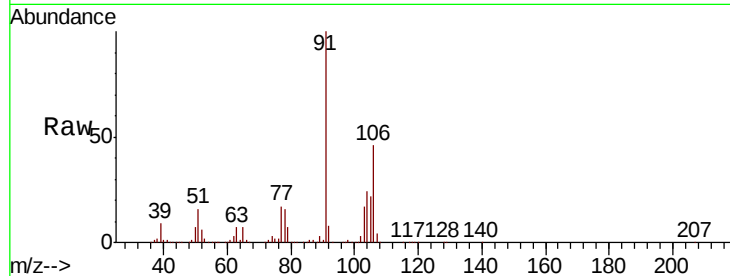
#69
o-Xylene
Concen: 51.62 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
LSB-07(0-1)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	496720		
91	91	212.3	107.3	321.8	

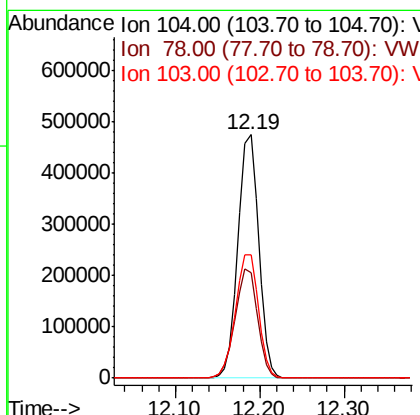
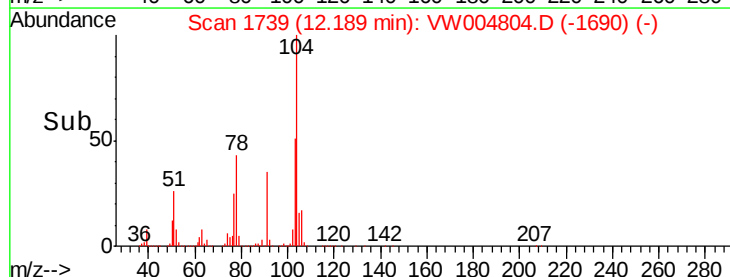
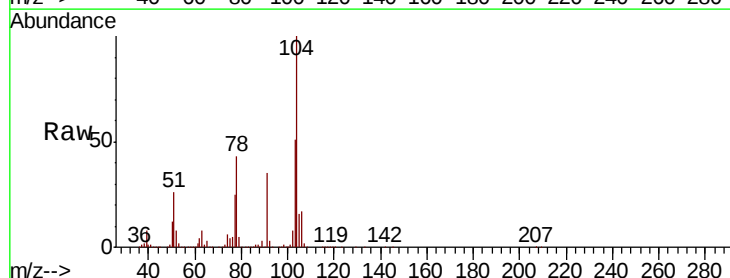
Manual Integrations
APPROVED

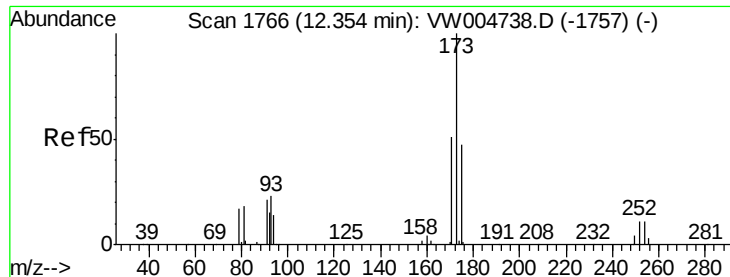
apatel
8/21/2018 11:32:33 AM



#70
Styrene
Concen: 48.52 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	784221		
78	78	48.5	38.4	57.6	
103	103	55.8	44.1	66.1	





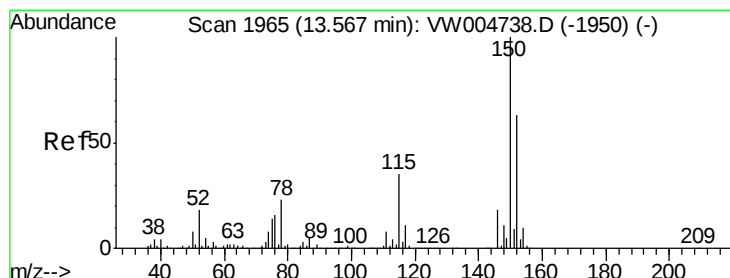
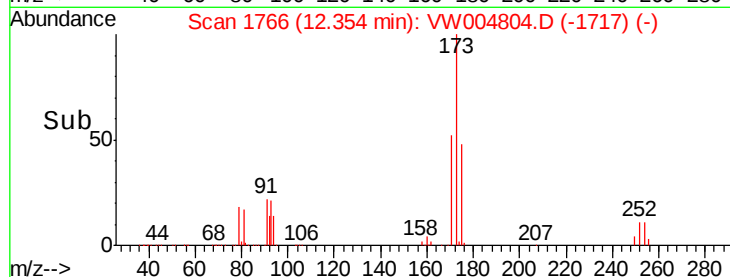
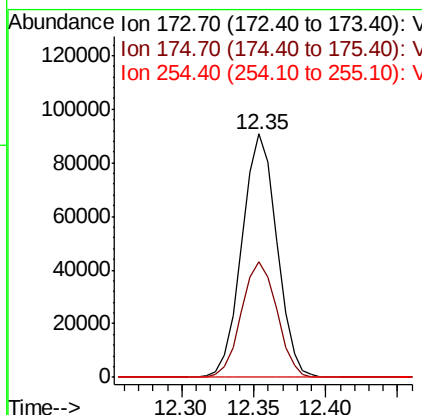
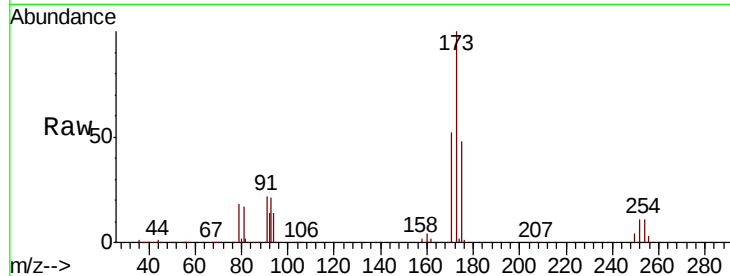
#71
Bromoform
Concen: 54.23 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
173	100	152325		
175	48.2	23.8	71.4	
254	0.1	0.1	0.1#	

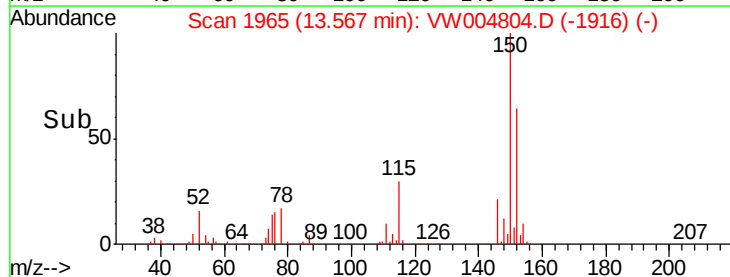
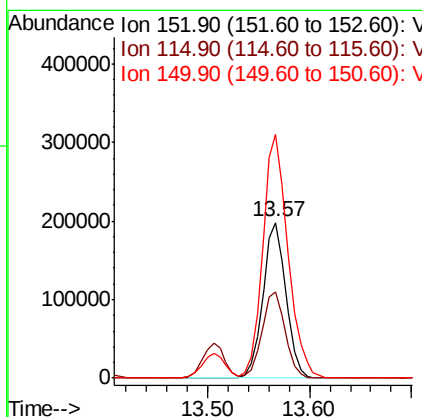
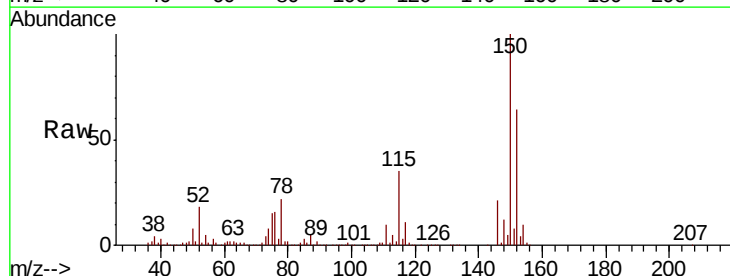
Manual Integrations
APPROVED

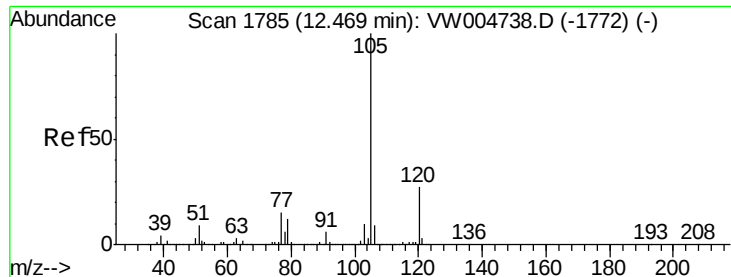
apatel
8/21/2018 11:32:33 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	308673		
115	56.5	28.5	85.5	
150	172.3	0.0	344.8	





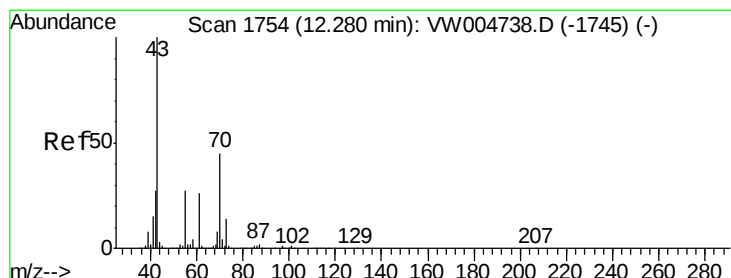
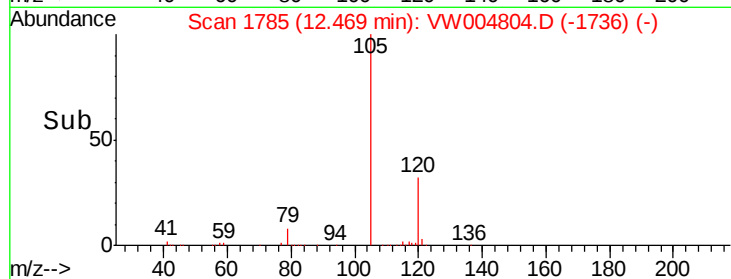
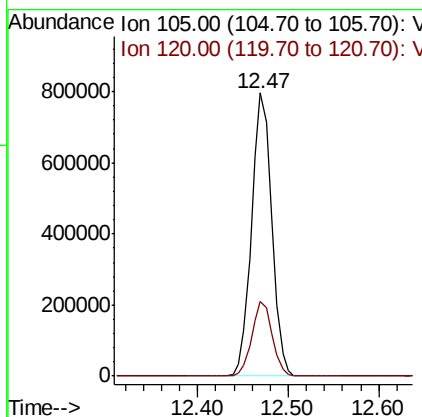
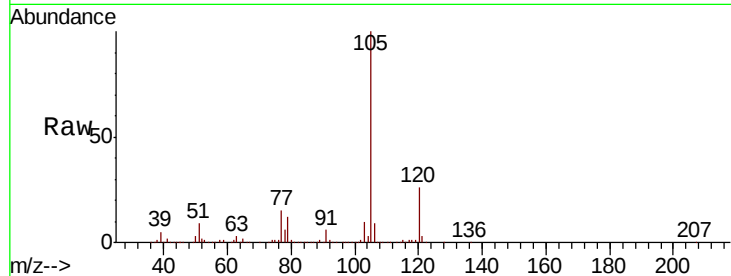
#73
Isopropylbenzene
Concen: 58.46 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion:105 Resp: 1227532
Ion Ratio Lower Upper
105 100
120 26.3 13.3 39.9

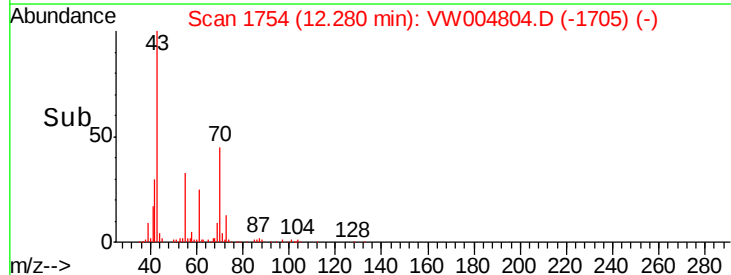
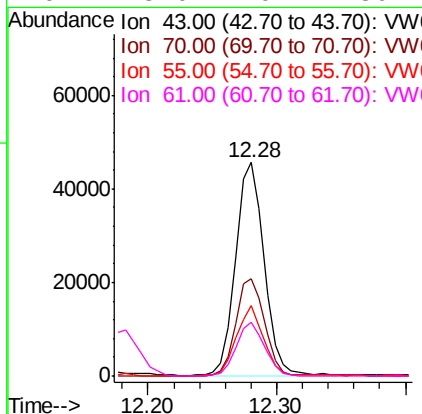
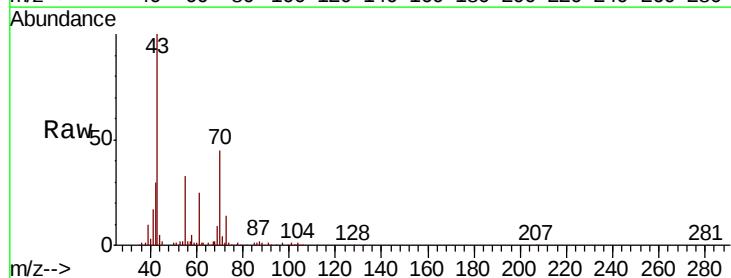
Manual Integrations
APPROVED

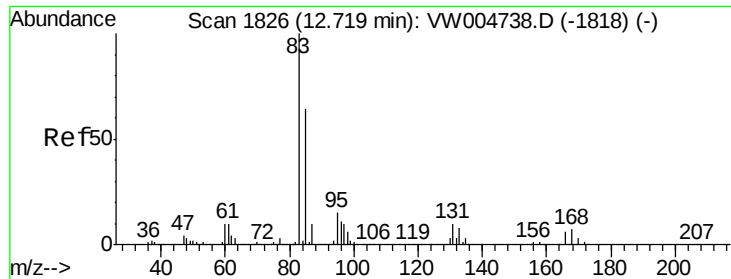
apatel
8/21/2018 11:32:33 AM



#74
N-ethyl acetate
Concen: 17.14 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion: 43 Resp: 70184
Ion Ratio Lower Upper
43 100
70 45.8 36.3 54.5
55 31.9 22.6 33.8
61 25.0 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 71.67 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

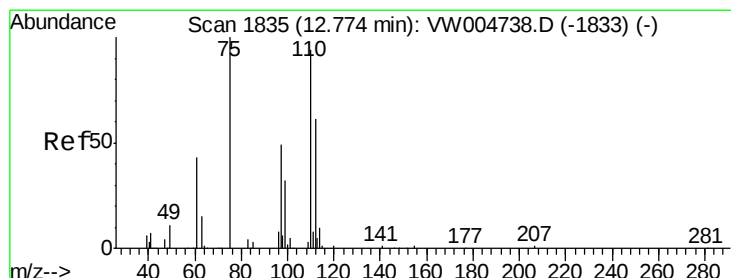
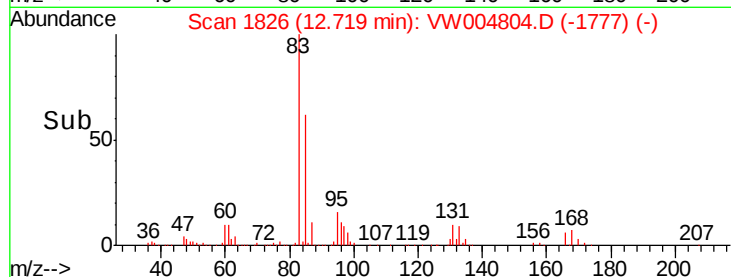
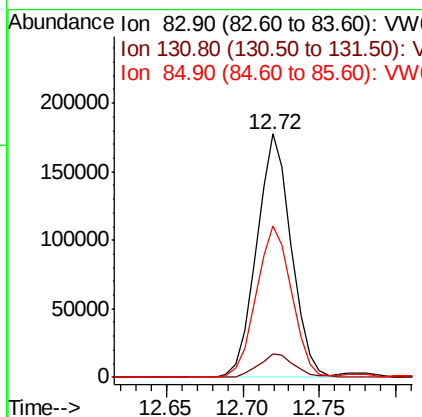
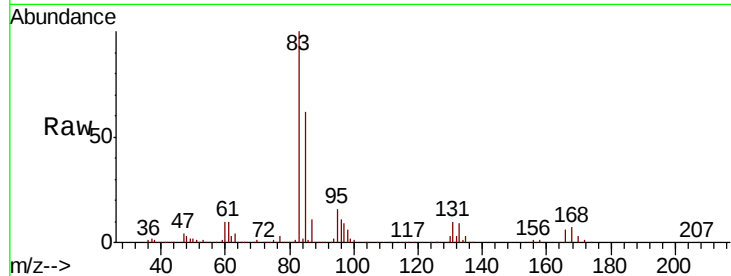
ClientSampled :

LSB-07(0-1)MSD

Tot Ion:	83	Resp:	278794
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	63.6	31.9	95.9

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#76

1,2,3-Trichloropropane

Concen: 67.89 ug/l m

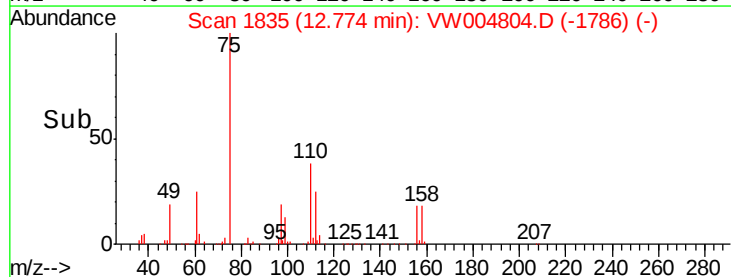
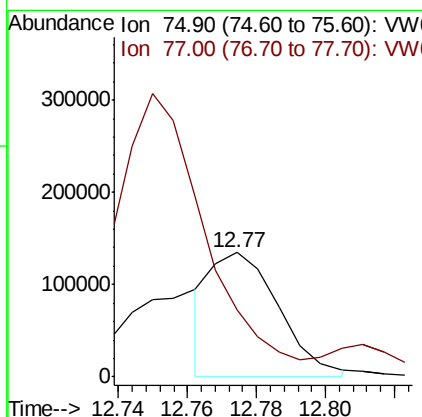
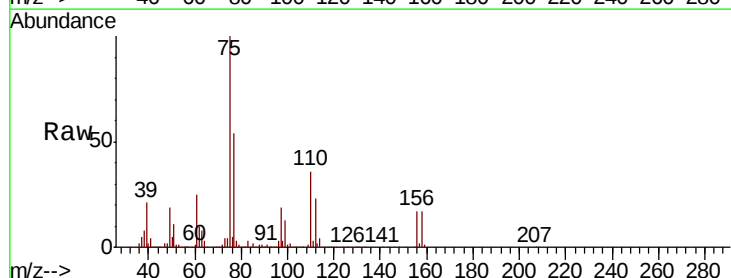
RT: 12.77 min Scan# 1835

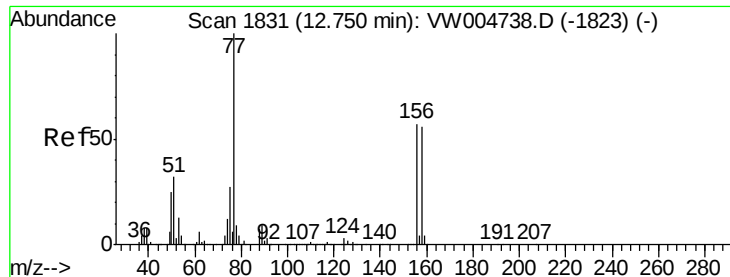
Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion:	75	Resp:	184717
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 57.48 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

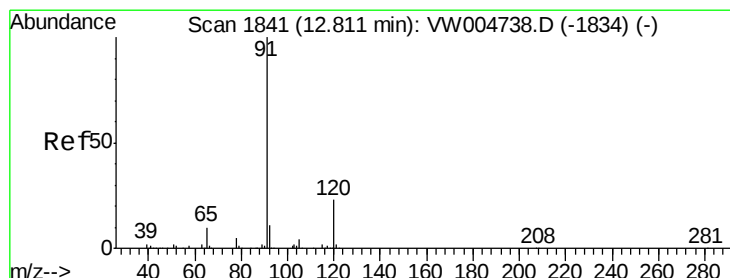
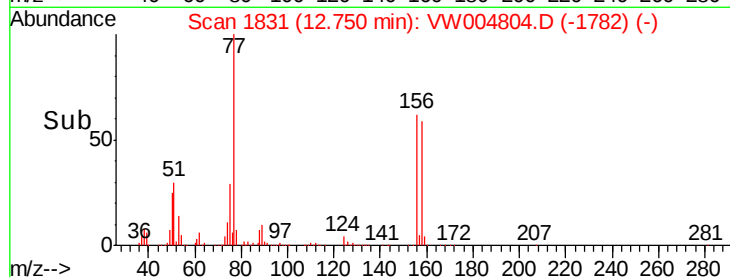
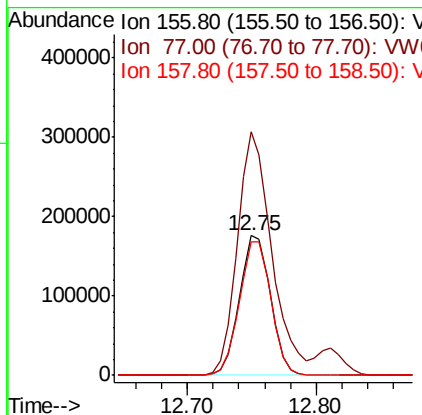
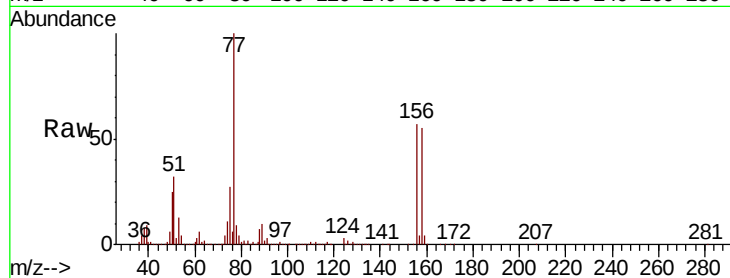
ClientSampleId :

LSB-07(0-1)MSD

Tot Ion:	156	Resp:	292181
Ion Ratio	Lower	Upper	
156	100		
77	193.4	94.2	282.4
158	97.5	48.6	145.9

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#78

n-propylbenzene

Concen: 52.87 ug/l

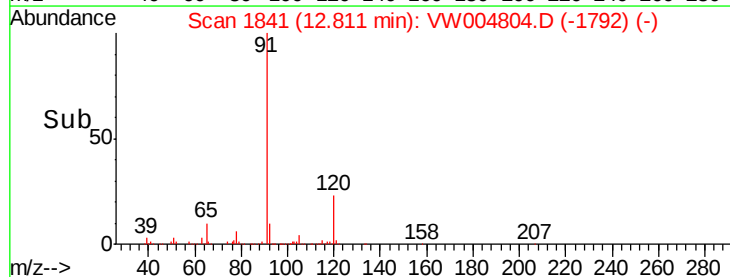
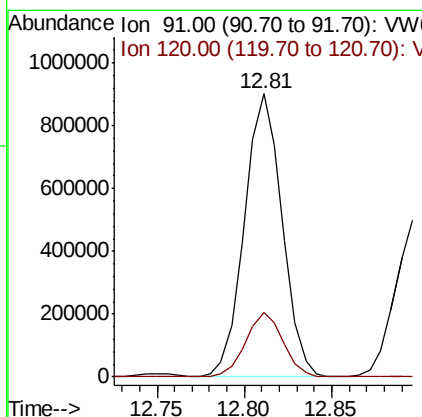
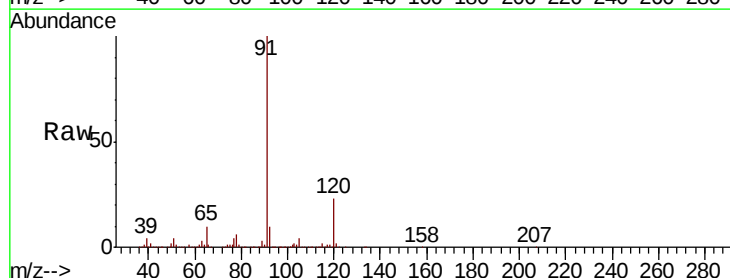
RT: 12.81 min Scan# 1841

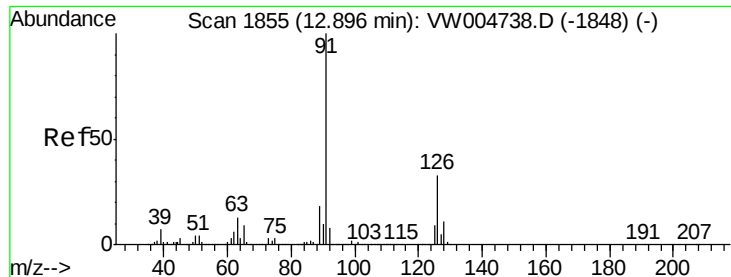
Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion:	91	Resp:	1354725
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.4	34.2





#79

2-Chlorotoluene

Concen: 55.21 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampled :

LSB-07(0-1)MSD

Tot Ion: 91 Resp: 815433

Ion Ratio Lower Upper

91 100

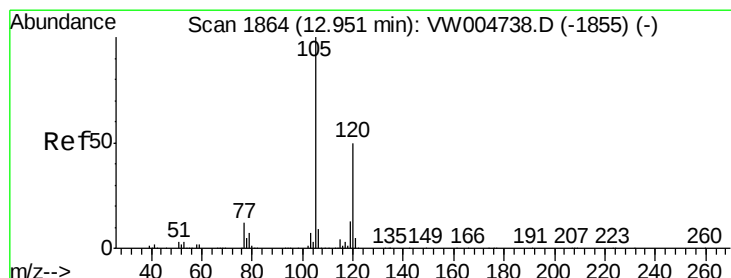
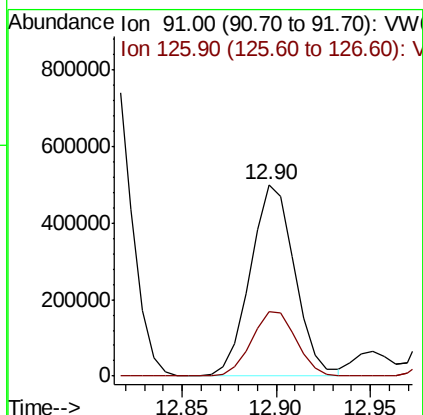
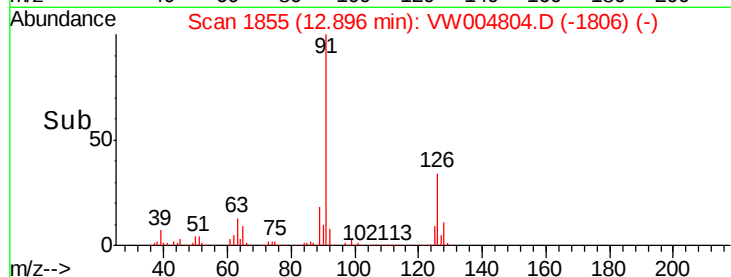
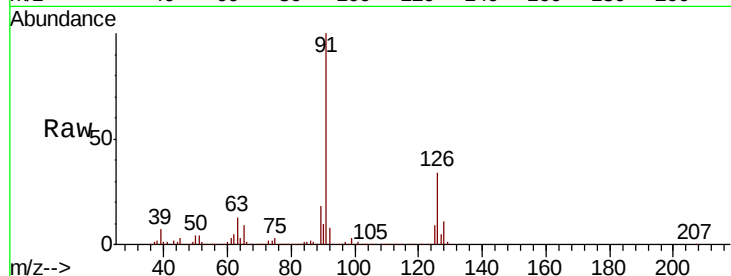
126 33.9 17.0 51.0

Manual Integrations

APPROVED

apatel

8/21/2018 11:32:33 AM



#80

1,3,5-Trimethylbenzene

Concen: 55.45 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004804.D

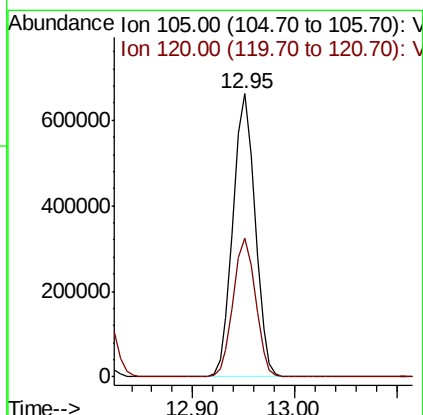
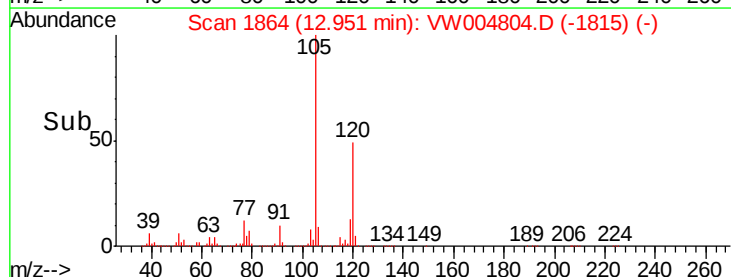
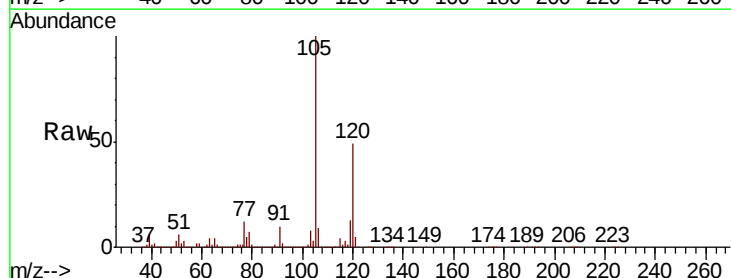
Acq: 20 Aug 2018 20:53

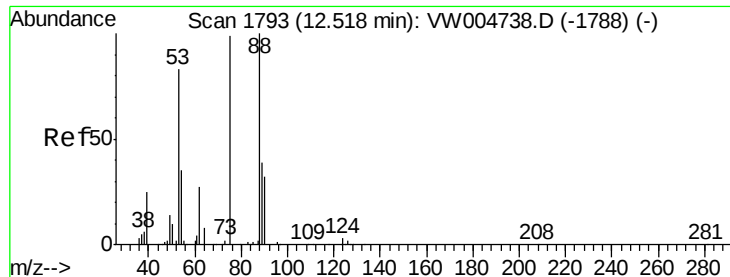
Tgt Ion:105 Resp: 989316

Ion Ratio Lower Upper

105 100

120 49.5 24.7 74.1





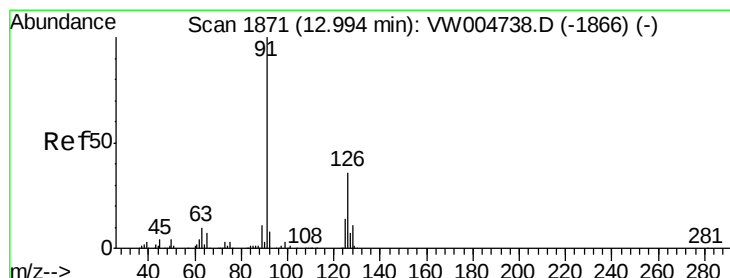
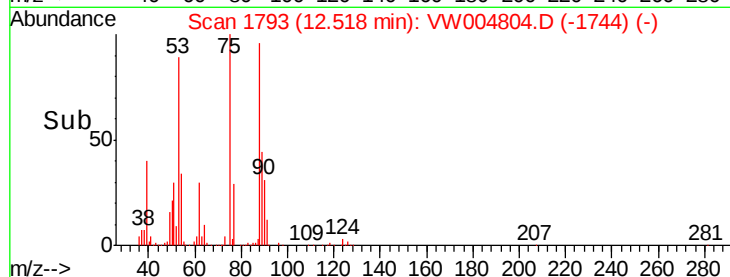
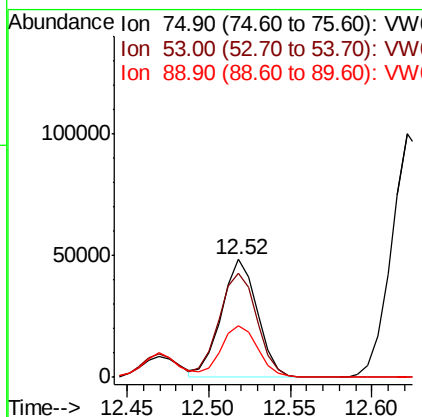
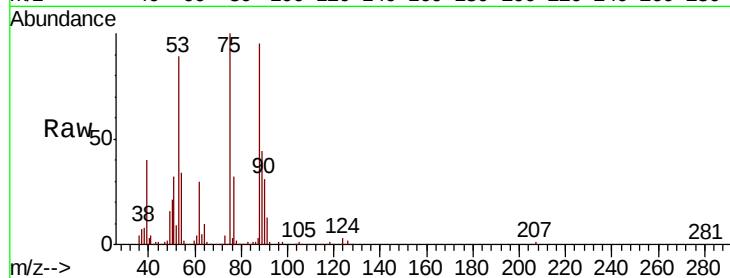
#81
trans-1,4-Dichloro-2-butene
Concen: 63.52 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampled :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	72.2	108.4
89	44.5	35.2	52.8

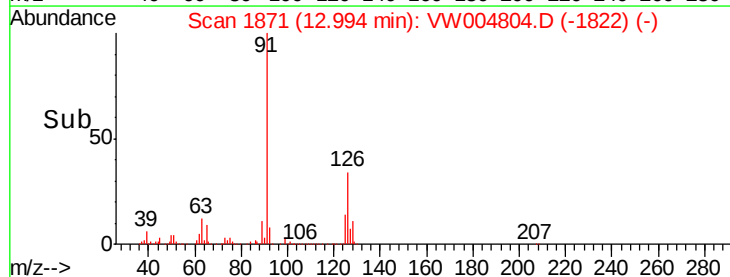
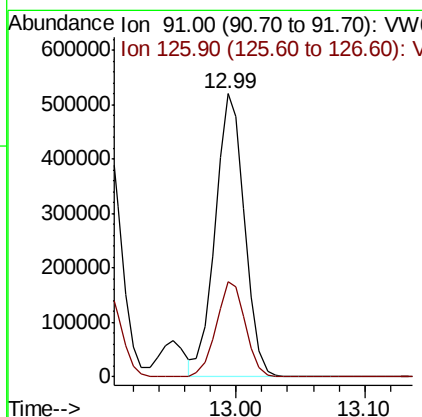
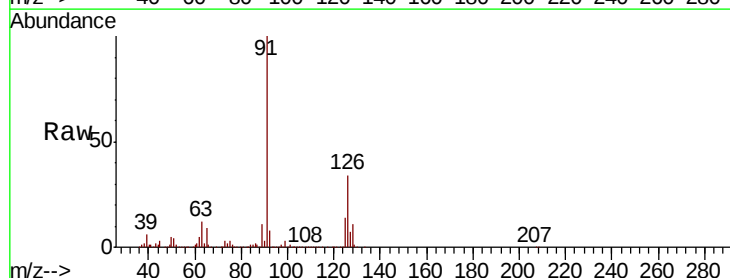
Manual Integrations
APPROVED

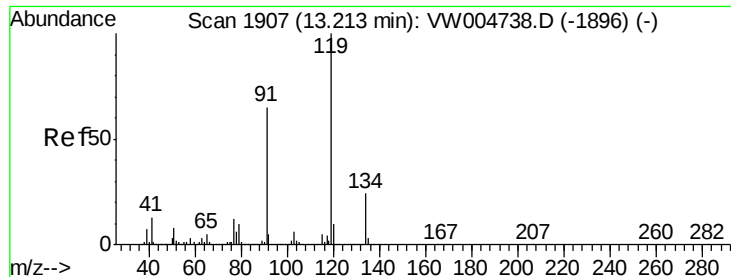
apatel
8/21/2018 11:32:33 AM



#82
4-Chlorotoluene
Concen: 52.78 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.9	50.7





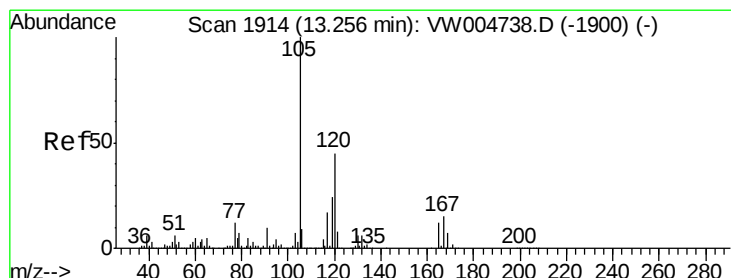
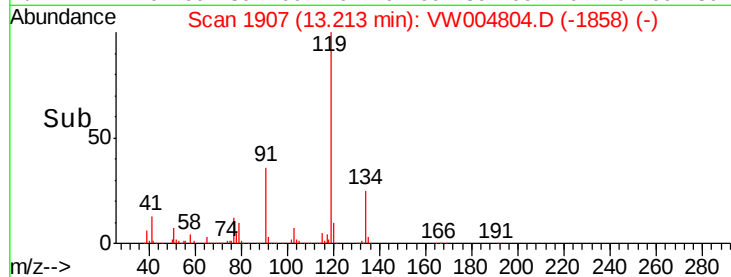
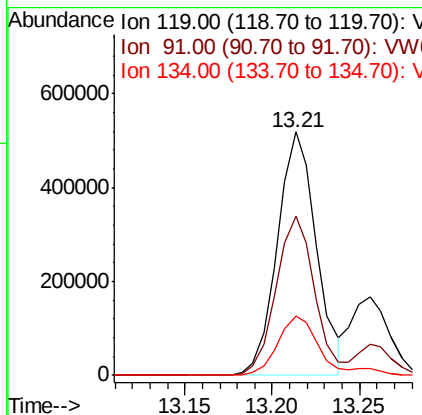
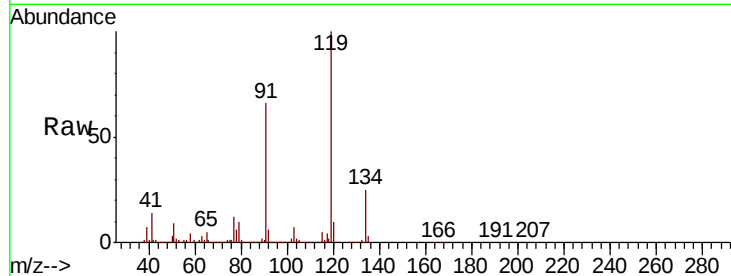
#83
 tert-Butylbenzene
 Concen: 52.99 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	808578		
91	65.3	32.6	97.8	
134	24.9	13.1	39.3	

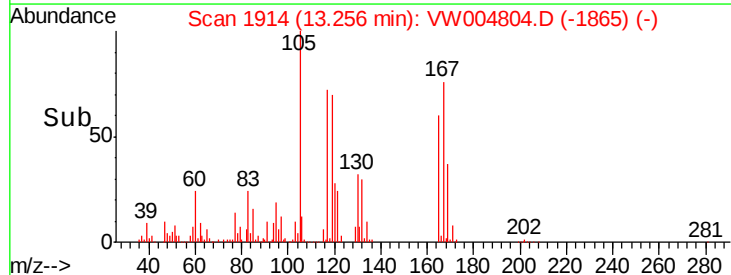
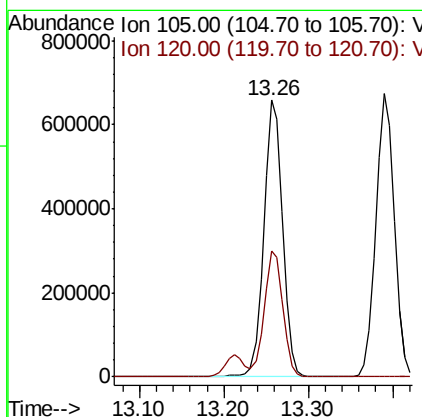
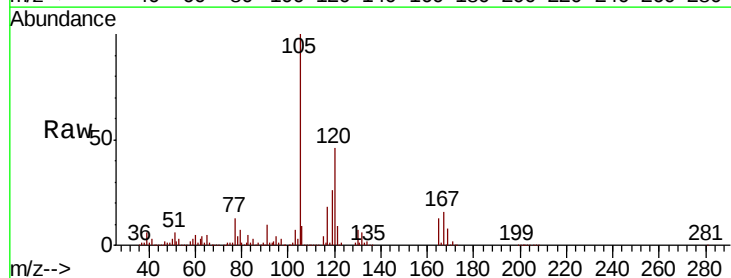
Manual Integrations
 APPROVED

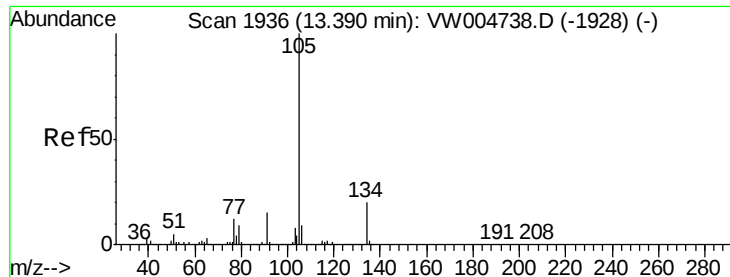
apatel
 8/21/2018 11:32:33 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.97 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1009019		
120	45.3	22.8	68.3	





#85

sec-Butylbenzene

Concen: 45.09 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

ClientSampleId :

LSB-07(0-1)MSD

Tot Ion:105 Resp: 1027200

Ion Ratio Lower Upper

105 100

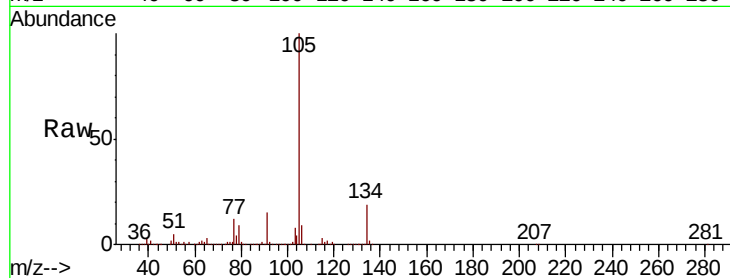
134 19.6 10.0 29.8

Manual Integrations

APPROVED

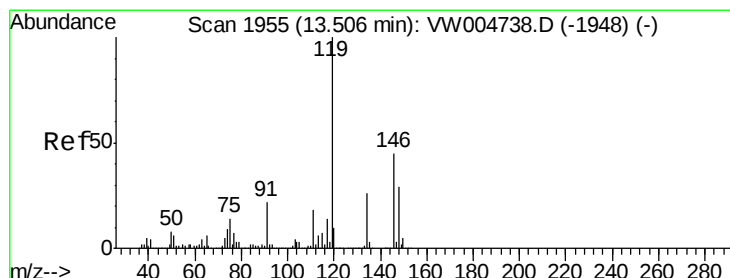
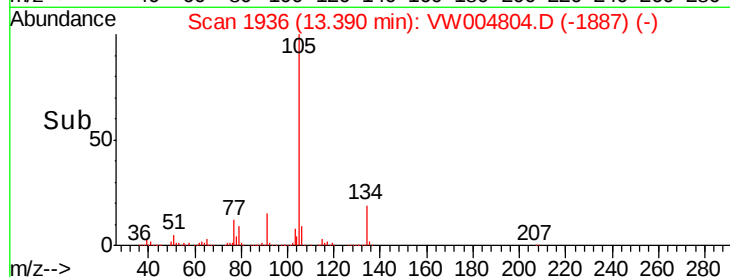
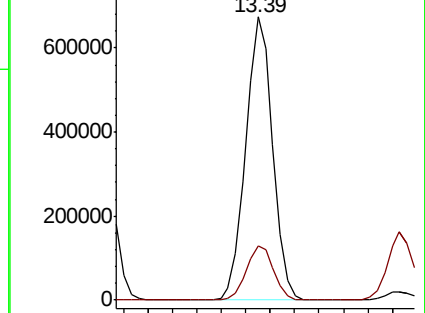
apatel

8/21/2018 11:32:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.22 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

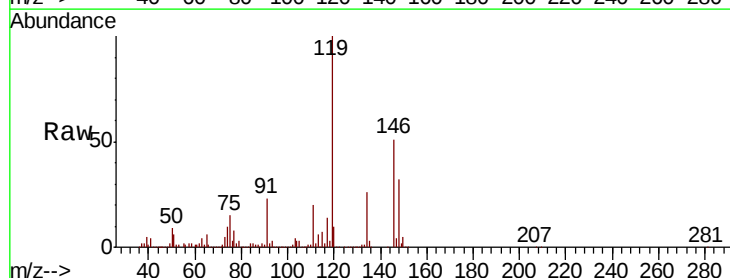
Tgt Ion:119 Resp: 896346

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

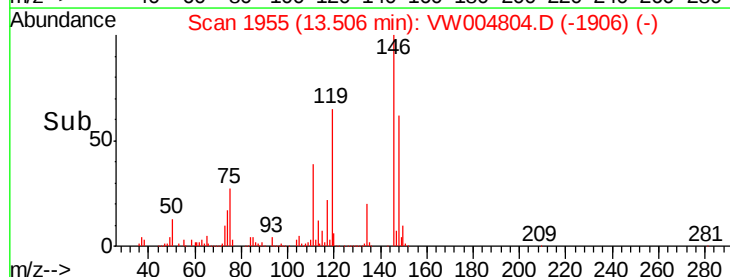
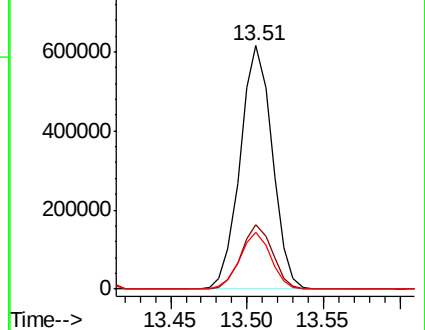
91 22.4 11.2 33.5

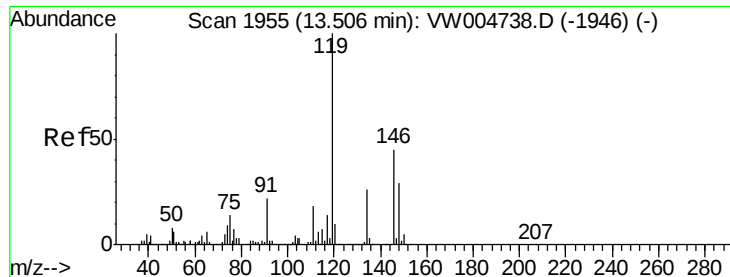


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





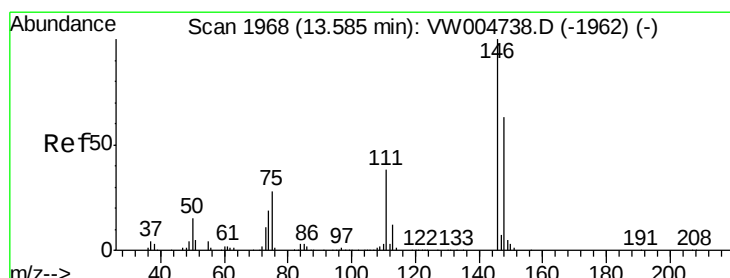
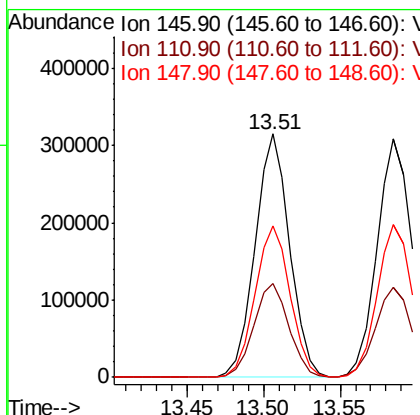
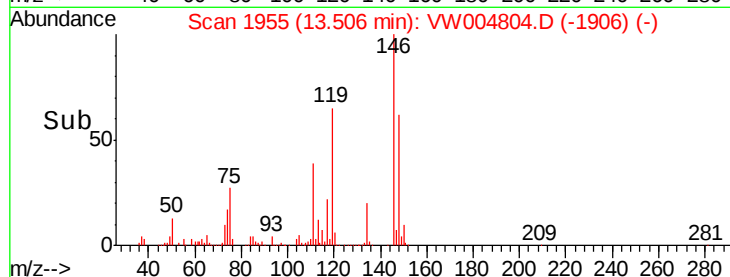
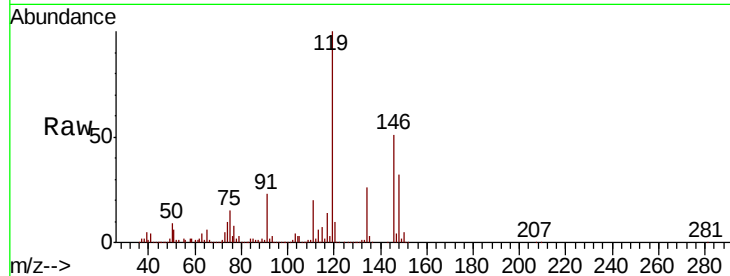
#87
 1,3-Dichlorobenzene
 Concen: 47.69 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.3	31.9	95.9

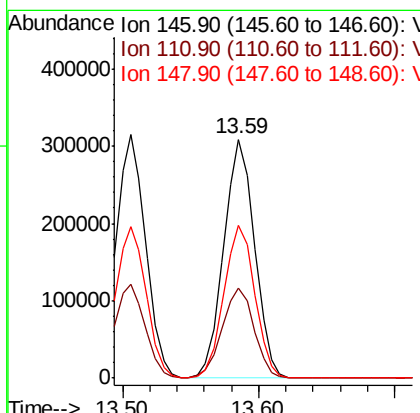
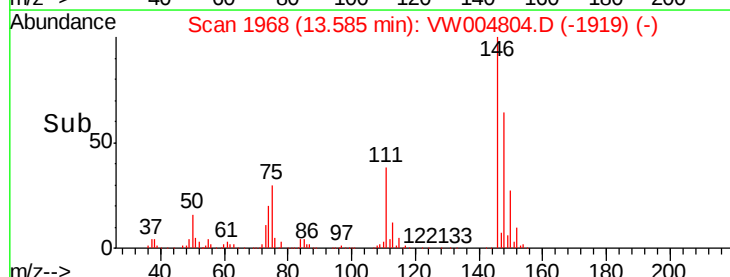
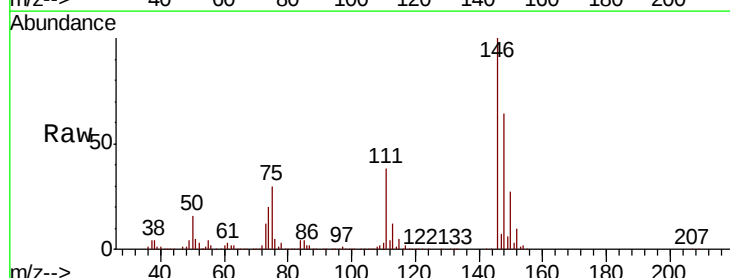
Manual Integrations
 APPROVED

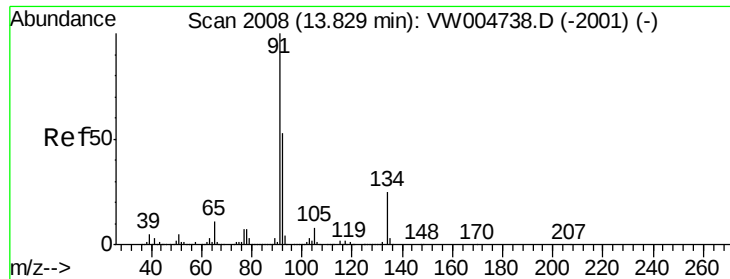
apatel
 8/21/2018 11:32:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.09 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	64.1	31.8	95.3





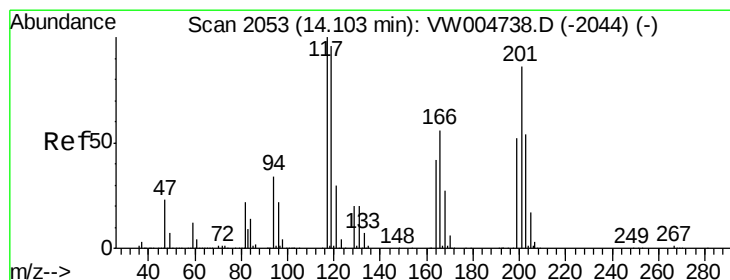
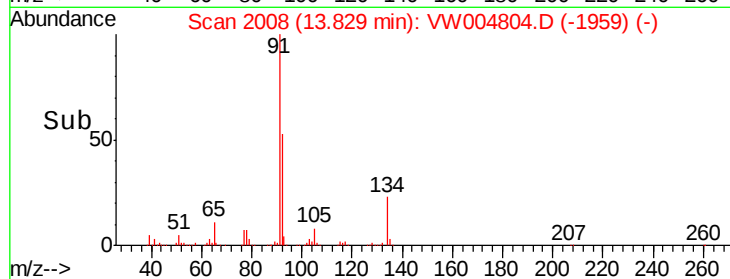
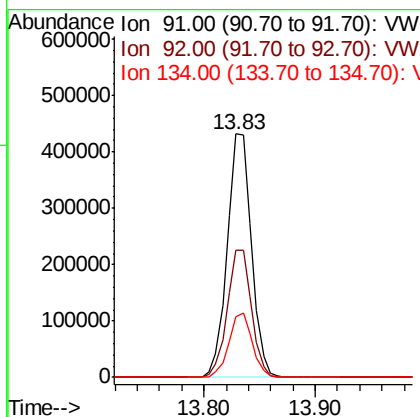
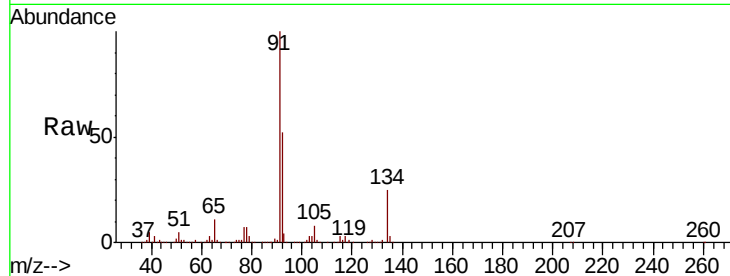
#89
n-Butylbenzene
Concen: 33.80 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Instrument :
MSVOA_W
ClientSampleId :
LSB-07(0-1)MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.4	79.2
134	25.5	12.8	38.3

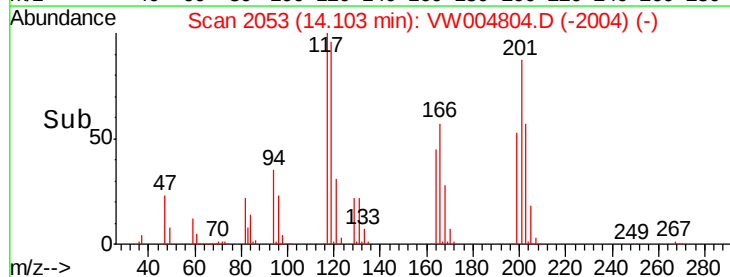
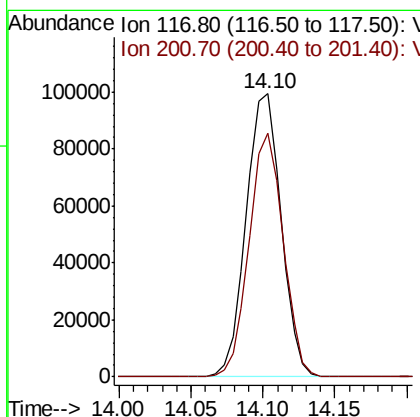
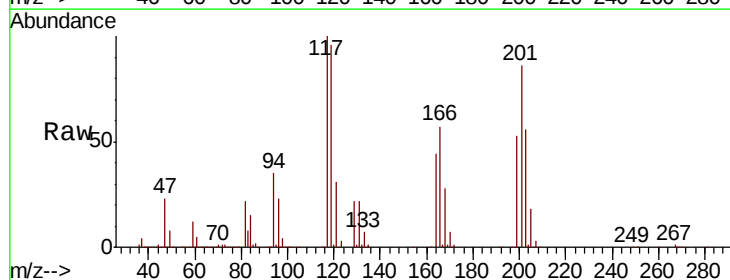
Manual Integrations
APPROVED

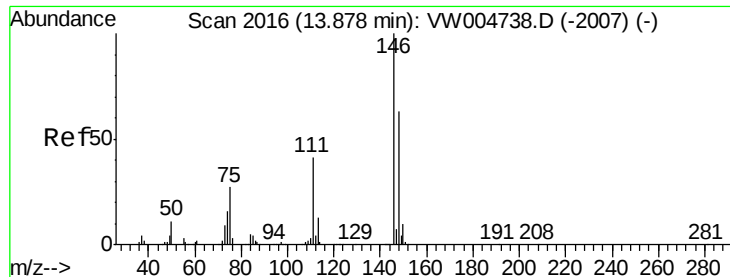
apatel
8/21/2018 11:32:33 AM



#90
Hexachloroethane
Concen: 46.17 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW004804.D
Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	42.4	127.2





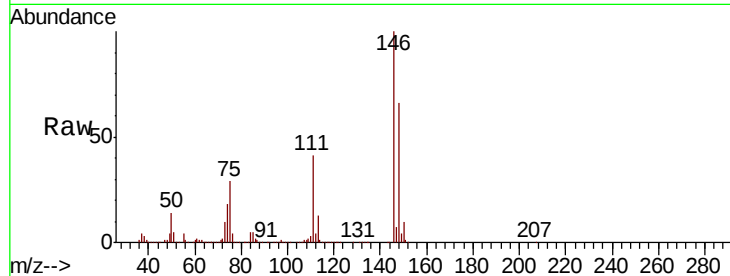
#91
 1,2-Dichlorobenzene
 Concen: 49.48 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

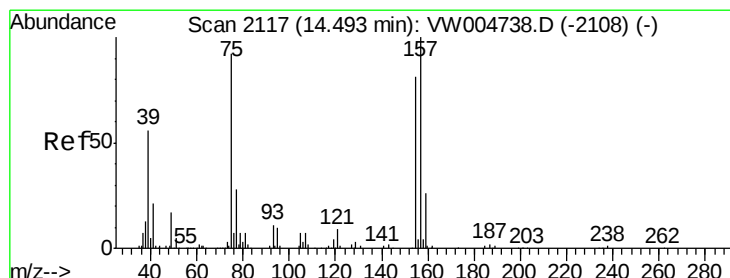
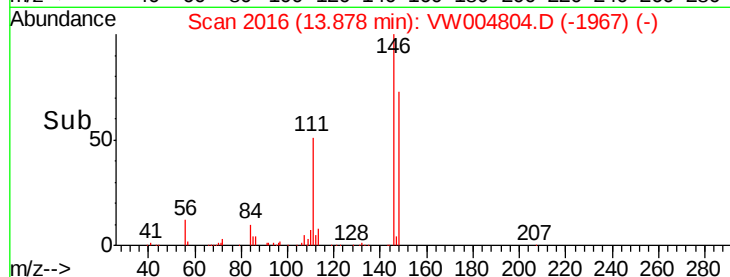
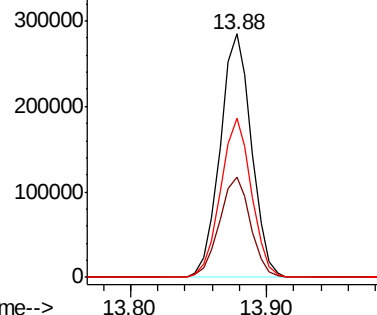
Tot Ion	Ratio	Resp	Lower	Upper
146	100	459512		
111	40.9	20.4	61.3	
148	64.5	31.6	95.0	

Manual Integrations
 APPROVED

apatel
 8/21/2018 11:32:33 AM

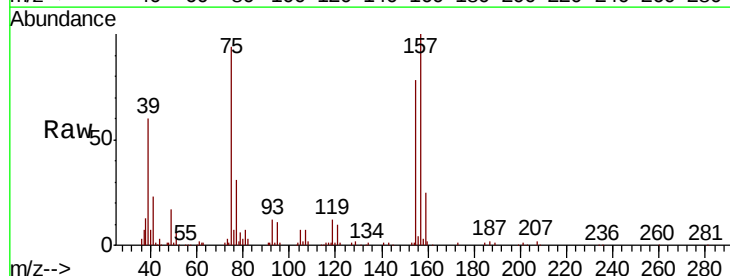


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

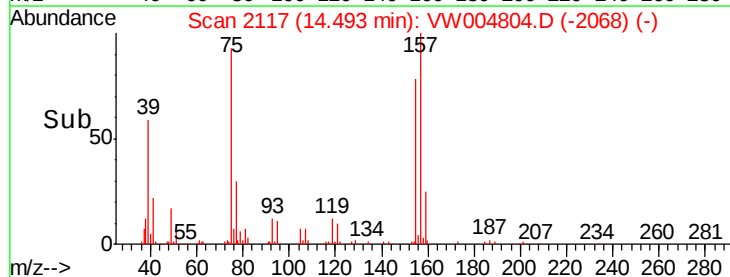
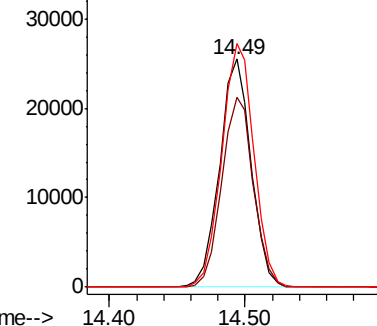


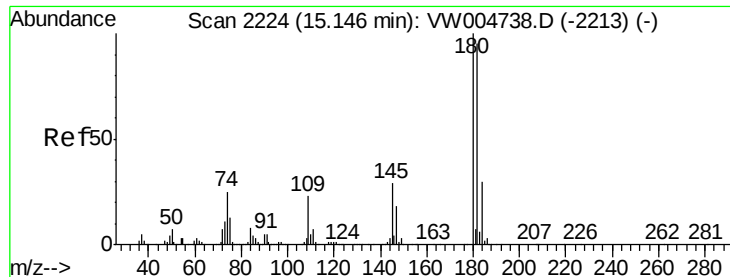
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.92 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	41296		
155	83.8	43.3	129.9	
157	109.3	54.5	163.6	



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





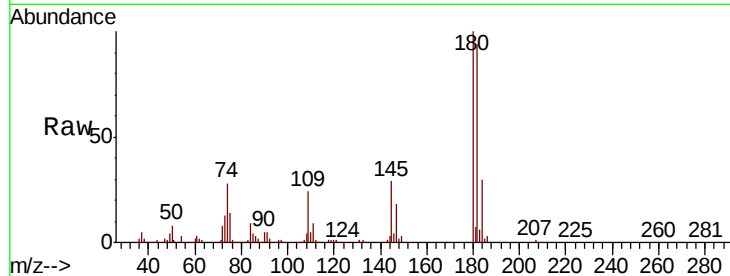
#93
 1,2,4-Trichlorobenzene
 Concen: 30.06 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Instrument :
 MSVOA_W
 ClientSampleId :
 LSB-07(0-1)MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	197448		
182	95.1	47.3	141.8	
145	29.6	14.6	43.8	

Manual Integrations
 APPROVED

apatel
 8/21/2018 11:32:33 AM

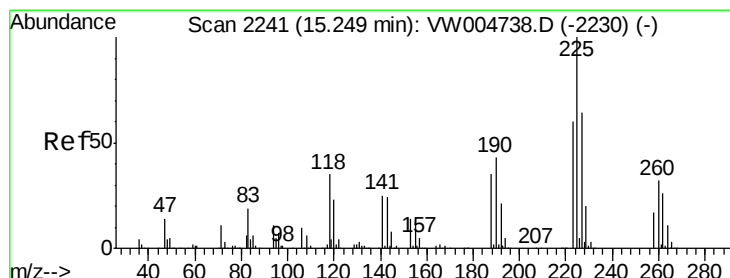
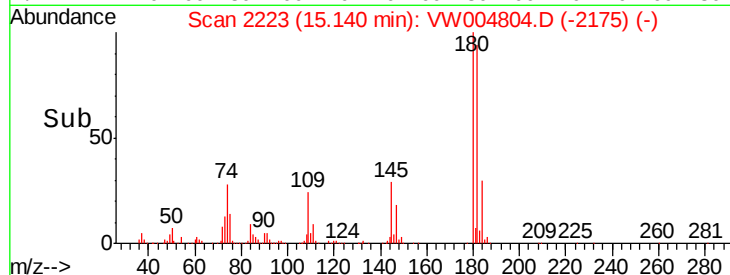
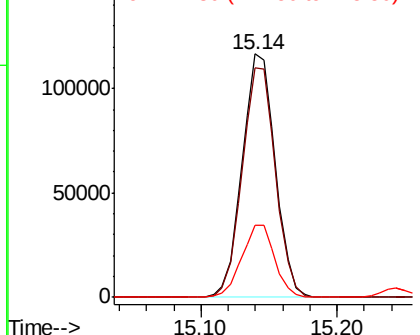


Abundance

Ion 179.80 (179.50 to 180.50): V

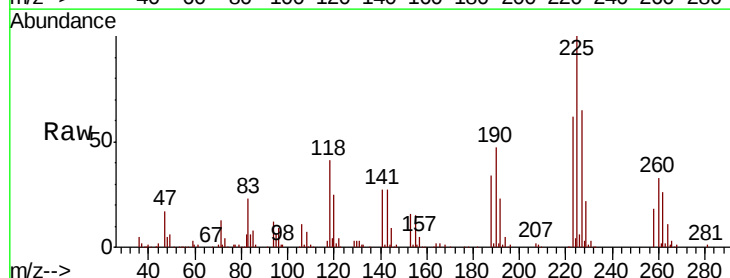
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.37 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004804.D
 Acq: 20 Aug 2018 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82106		
223	63.7	30.9	92.5	
227	64.6	32.0	96.0	

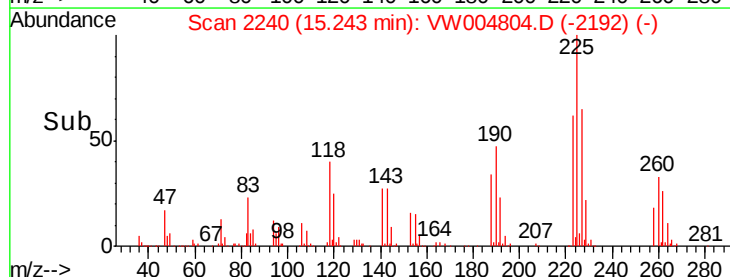
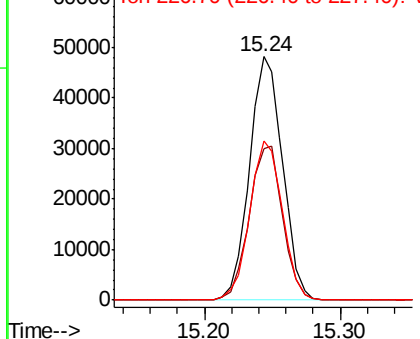


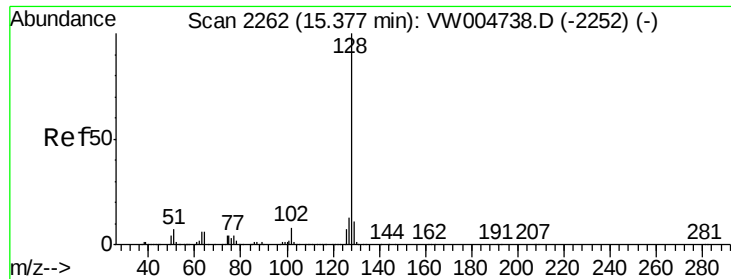
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 40.76 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Instrument :

MSVOA_W

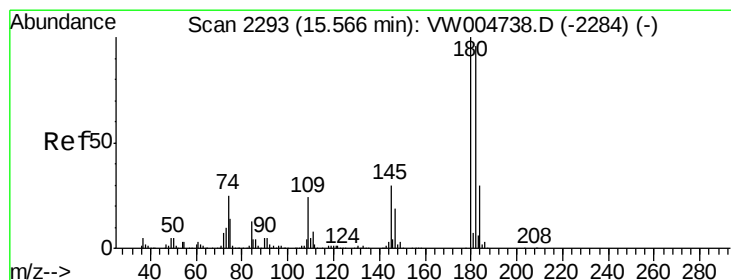
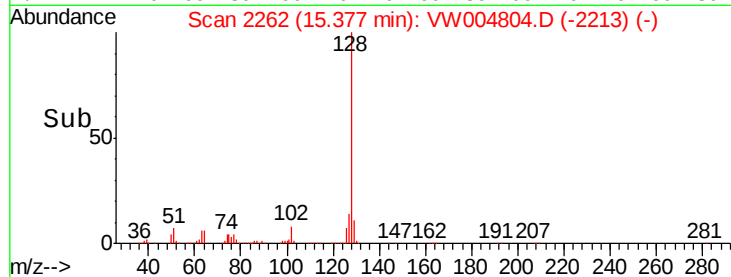
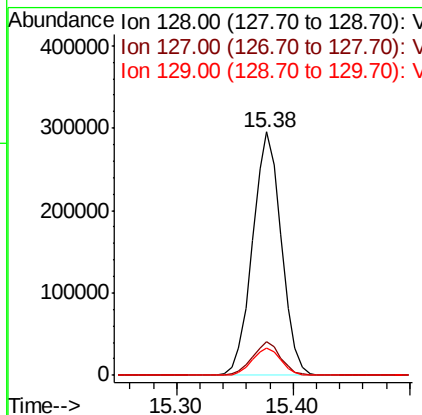
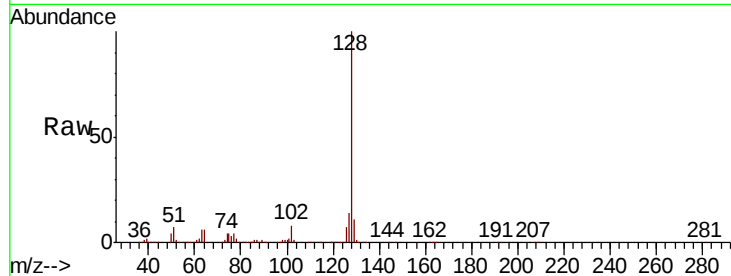
ClientSampleId :

LSB-07(0-1)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		509906		
127	13.4	10.4	15.6		
129	11.1	8.6	13.0		

Manual Integrations
APPROVED

apatel
8/21/2018 11:32:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 30.48 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW004804.D

Acq: 20 Aug 2018 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		177523		
182	96.0	47.3	142.0		
145	31.1	15.4	46.1		

