

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004833.D
 Acq On : 21 Aug 2018 11:26
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:06:43 AM

Quant Time: Aug 22 05:29:11 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	625650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	891661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	825222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	438730	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	272085	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	7.88	113	291534	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.33	98	1178434	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	
62) 4-Bromofluorobenzene	12.62	95	413164	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	205329	49.55	ug/l	98
3) Chloromethane	2.22	50	253478	46.78	ug/l	98
4) Vinyl Chloride	2.37	62	426759	53.51	ug/l	98
5) Bromomethane	2.79	94	256850	52.14	ug/l	99
6) Chloroethane	2.93	64	256198	53.24	ug/l	97
7) Trichlorofluoromethane	3.26	101	227779	60.62	ug/l	98
8) Diethyl Ether	3.68	74	154766	45.56	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	348551	53.87	ug/l	99
10) Methyl Iodide	4.26	142	506347	51.53	ug/l	100
11) Tert butyl alcohol	5.22	59	71570	211.79	ug/l	98
12) 1,1-Dichloroethene	4.03	96	330937	51.33	ug/l	99
13) Acrolein	3.90	56	134119	295.75	ug/l	100
14) Allyl chloride	4.67	41	493252	50.41	ug/l	99
15) Acrylonitrile	5.38	53	313108	219.77	ug/l	99
16) Acetone	4.14	43	353145	228.71	ug/l	97
17) Carbon Disulfide	4.37	76	1097343	51.79	ug/l	99
18) Methyl Acetate	4.68	43	146569	44.29	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	404330	48.31	ug/l	97
20) Methylene Chloride	4.91	84	356673	50.65	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	349511	50.95	ug/l	99
22) Diisopropyl ether	6.31	45	973457	51.76	ug/l	100
23) Vinyl Acetate	6.26	43	2522076	237.09	ug/l	99
24) 1,1-Dichloroethane	6.21	63	611005	50.00	ug/l	99
25) 2-Butanone	7.18	43	471939	214.51	ug/l	100
26) 2,2-Dichloropropane	7.17	77	373972	52.98	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	368103	49.84	ug/l	99
28) Bromochloromethane	7.51	49	243114	47.24	ug/l	100
29) Tetrahydrofuran	7.54	42	240150	214.06	ug/l	99
30) Chloroform	7.68	83	596211	49.60	ug/l	100
31) Cyclohexane	7.96	56	614894	52.02	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	504132	52.91	ug/l	99
36) 1,1-Dichloropropene	8.09	75	499039	54.33	ug/l	100
37) Ethyl Acetate	7.26	43	165187	45.11	ug/l	98
38) Carbon Tetrachloride	8.07	117	472355	55.86	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
 Data File : VW004833.D
 Acq On : 21 Aug 2018 11:26
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:06:43 AM

Quant Time: Aug 22 05:29:11 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	663984	57.80	ug/l	100
40) Benzene	8.33	78	1413510	52.95	ug/l	100
41) Methacrylonitrile	7.49	41	96096	46.24	ug/l	96
42) 1,2-Dichloroethane	8.40	62	340400	49.73	ug/l	100
43) Isopropyl Acetate	8.43	43	304286	46.26	ug/l	99
44) Trichloroethene	9.10	130	357167	52.71	ug/l	98
45) 1,2-Dichloropropane	9.37	63	340423	52.13	ug/l	99
46) Dibromomethane	9.46	93	156565	48.40	ug/l	99
47) Bromodichloromethane	9.65	83	398749	51.61	ug/l	97
48) Methyl methacrylate	9.44	41	156323	50.65	ug/l	95
49) 1,4-Dioxane	9.48	88	51146	1082.15	ug/l #	84
51) 4-Methyl-2-Pentanone	10.21	43	1028057	231.27	ug/l	100
52) Toluene	10.39	92	868943	54.27	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	393420	50.54	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	485725	52.34	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	228448	49.68	ug/l	98
56) Ethyl methacrylate	10.65	69	267715	44.89	ug/l	99
57) 1,3-Dichloropropane	10.94	76	391932	49.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	655900	258.27	ug/l	99
59) 2-Hexanone	10.98	43	728261	241.79	ug/l	99
60) Dibromochloromethane	11.13	129	262577	50.89	ug/l	100
61) 1,2-Dibromoethane	11.24	107	211912	48.21	ug/l	99
64) Tetrachloroethene	10.87	164	303767	53.86	ug/l	98
65) Chlorobenzene	11.66	112	935473	52.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	315204	52.56	ug/l	98
67) Ethyl Benzene	11.74	91	1690125	56.13	ug/l	99
68) m/p-Xylenes	11.85	106	1319569	112.64	ug/l	99
69) o-Xylene	12.17	106	611559	56.39	ug/l	98
70) Styrene	12.19	104	1019893	55.99	ug/l	100
71) Bromoform	12.35	173	151638	47.90	ug/l #	99
73) Isopropylbenzene	12.47	105	1727839	57.89	ug/l	100
74) N-amyl acetate	12.28	43	293318	42.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	262263	47.43	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	179085m	46.31	ug/l	
77) Bromobenzene	12.76	156	379057	52.47	ug/l	98
78) n-propylbenzene	12.81	91	2113854	58.04	ug/l	100
79) 2-Chlorotoluene	12.90	91	1167466	55.61	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1463399	57.71	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	79891	48.01	ug/l	98
82) 4-Chlorotoluene	12.99	91	1196914	53.66	ug/l	99
83) tert-Butylbenzene	13.21	119	1250843	57.67	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1478728	56.68	ug/l	99
85) sec-Butylbenzene	13.39	105	1865695	57.62	ug/l	100
86) p-Isopropyltoluene	13.51	119	1643863	58.34	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	788496	53.66	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	773757	52.68	ug/l	100
89) n-Butylbenzene	13.83	91	1567717	57.55	ug/l	100
90) Hexachloroethane	14.10	117	278522	54.23	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	687319	52.07	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	40192	46.51	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082118\
Data File : VW004833.D
Acq On : 21 Aug 2018 11:26
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

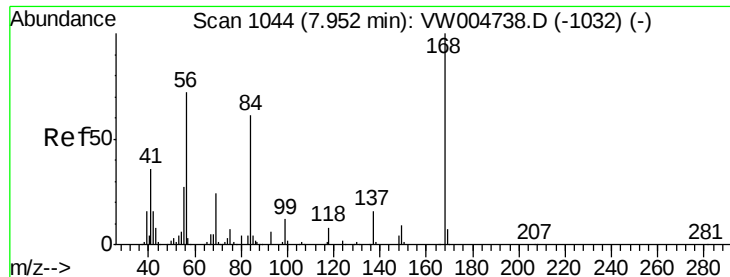
Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM

Quant Time: Aug 22 05:29:11 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	15.15	180	497869	53.33	ug/l	99
94) Hexachlorobutadiene	15.24	225	322208	56.23	ug/l	99
95) Naphthalene	15.38	128	805208	44.90	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	428565	51.77	ug/l	98

(#) = 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: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 625650

Ion Ratio Lower Upper

168 100

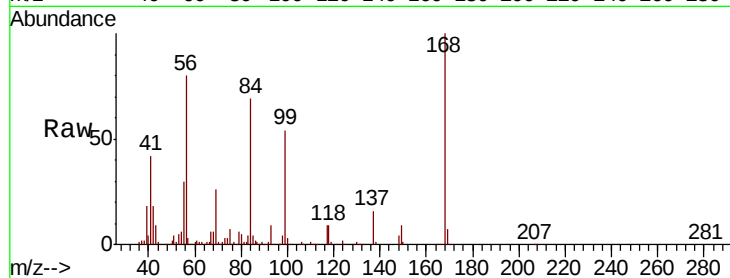
99 54.4 41.0 61.4

Manual Integrations

APPROVED

apatel

8/22/2018 11:06:43 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

300000

250000

200000

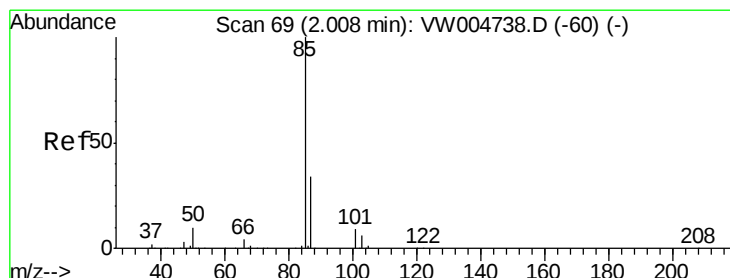
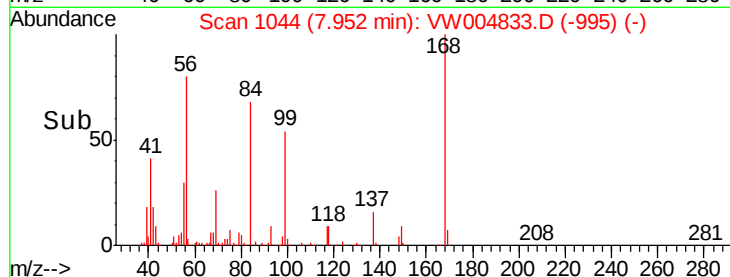
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 49.55 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004833.D

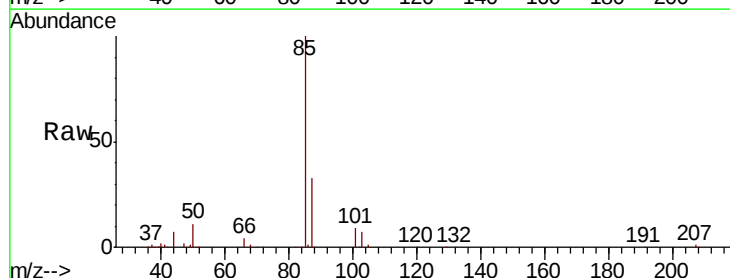
Acq: 21 Aug 2018 11:26

Tgt Ion: 85 Resp: 205329

Ion Ratio Lower Upper

85 100

87 32.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

60000

50000

40000

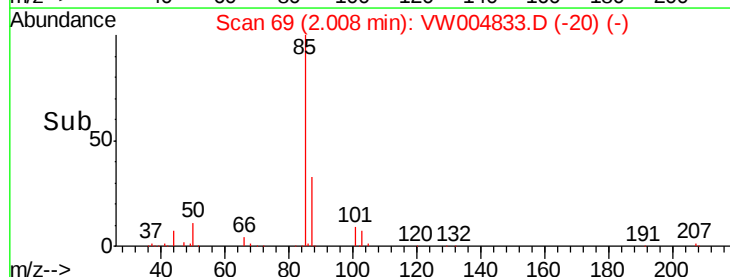
30000

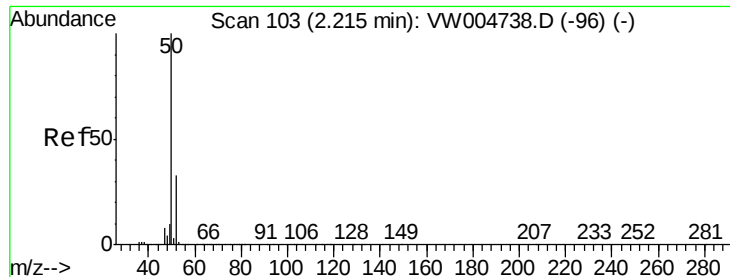
20000

10000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 46.78 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 253478

Ion Ratio Lower Upper

50 100

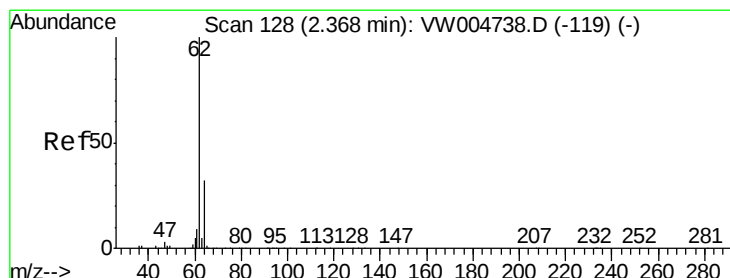
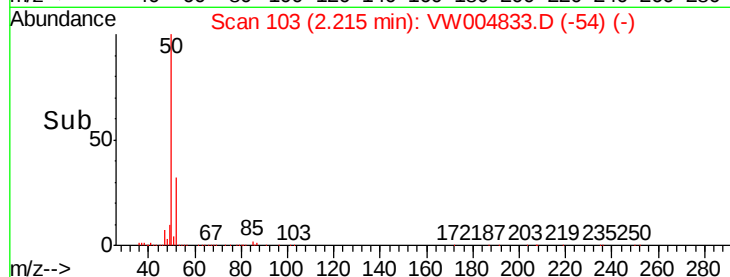
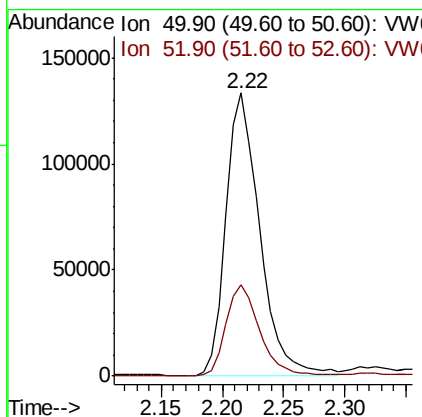
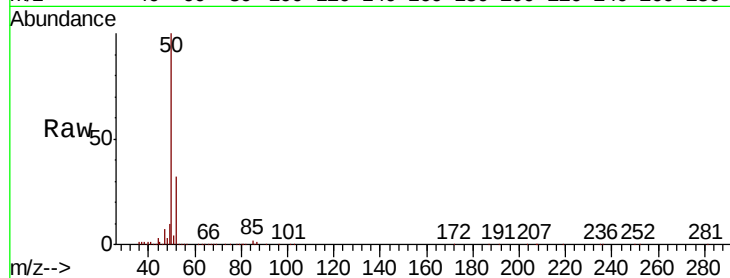
52 32.3 26.7 40.1

Manual Integrations

APPROVED

apatel

8/22/2018 11:06:43 AM



#4

Vinyl Chloride

Concen: 53.51 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004833.D

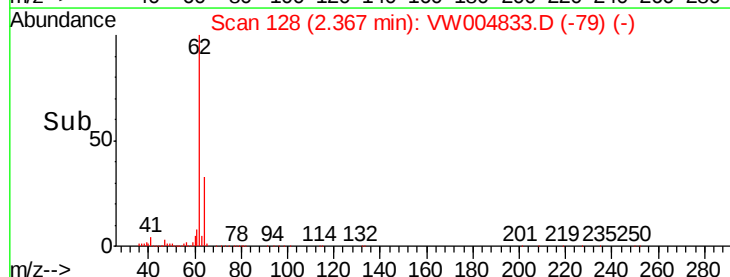
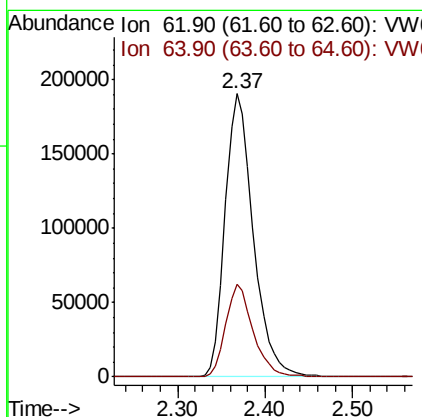
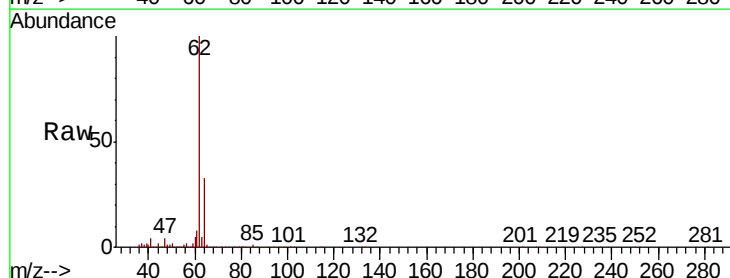
Acq: 21 Aug 2018 11:26

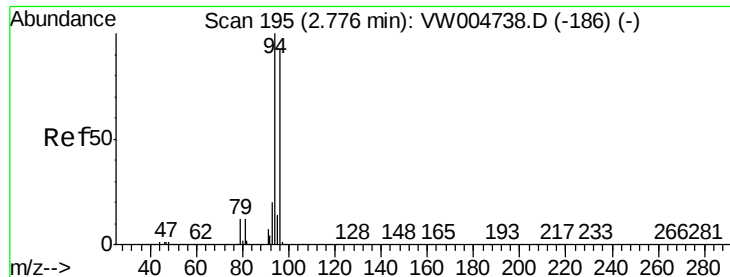
Tgt Ion: 62 Resp: 426759

Ion Ratio Lower Upper

62 100

64 32.7 25.2 37.8





#5

Bromomethane

Concen: 52.14 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 256850

Ion Ratio Lower Upper

94 100

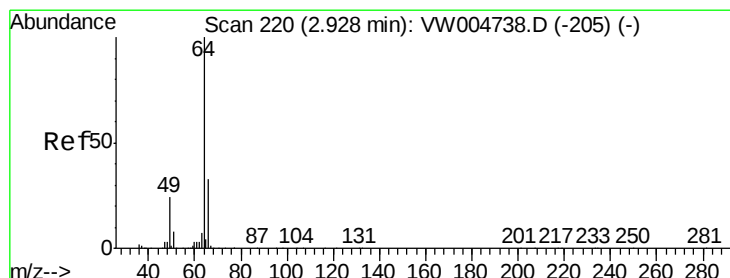
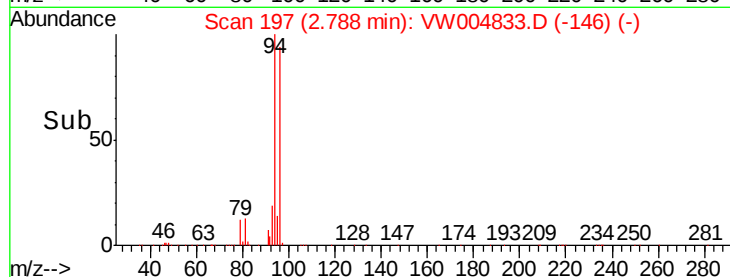
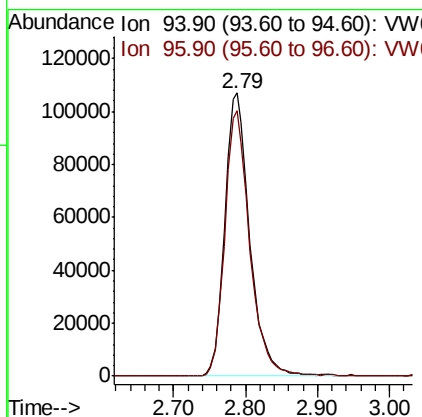
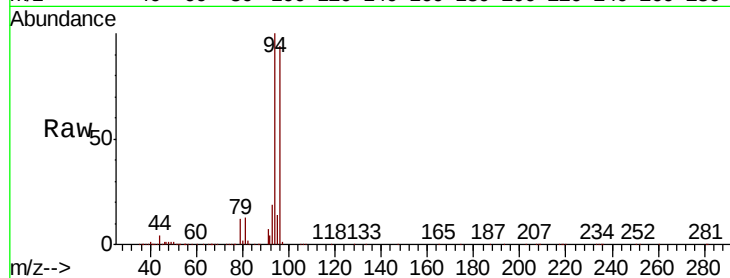
96 93.7 74.3 111.5

Manual Integrations

APPROVED

apatel

8/22/2018 11:06:43 AM



#6

Chloroethane

Concen: 53.24 ug/l

RT: 2.93 min Scan# 221

Delta R.T. 0.01 min

Lab File: VW004833.D

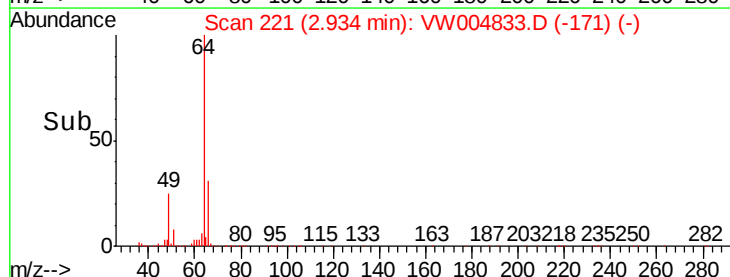
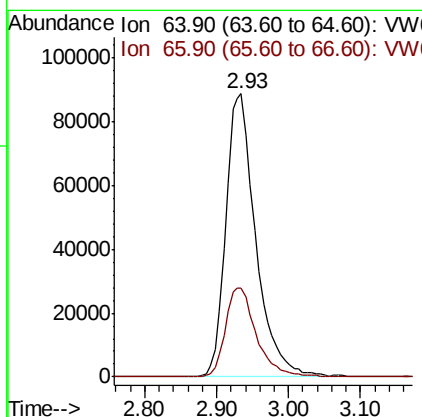
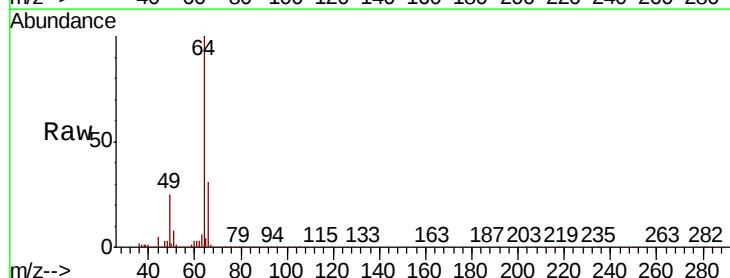
Acq: 21 Aug 2018 11:26

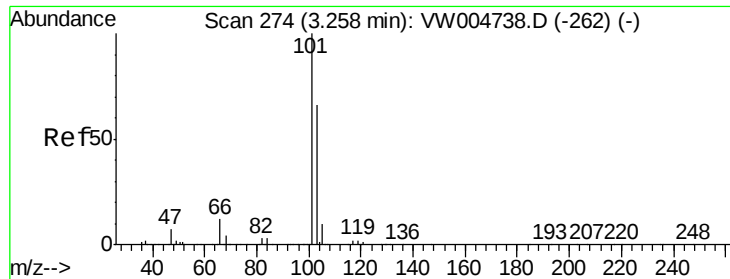
Tgt Ion: 64 Resp: 256198

Ion Ratio Lower Upper

64 100

66 31.1 26.1 39.1





#7

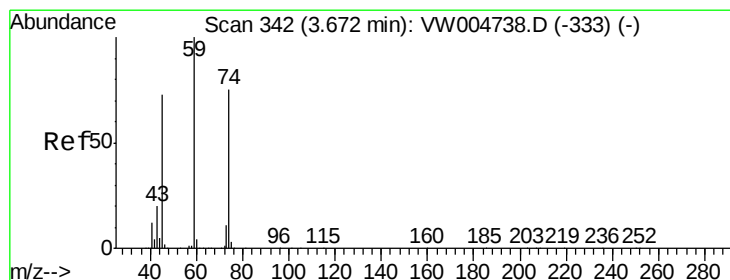
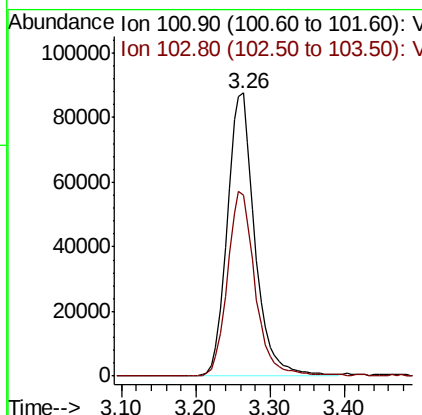
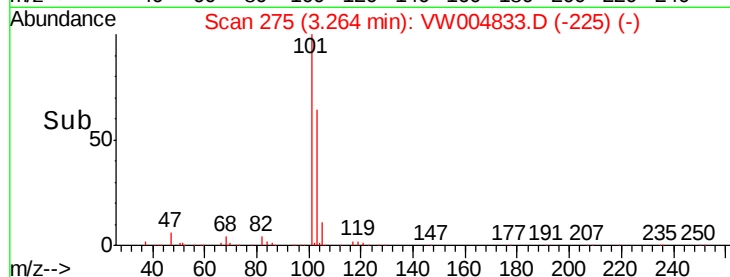
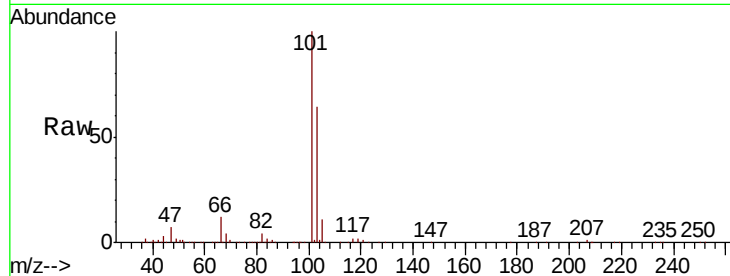
Trichlorofluoromethane
Concen: 60.62 ug/l
RT: 3.26 min Scan# 275
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.5	78.7

Manual Integrations
APPROVED

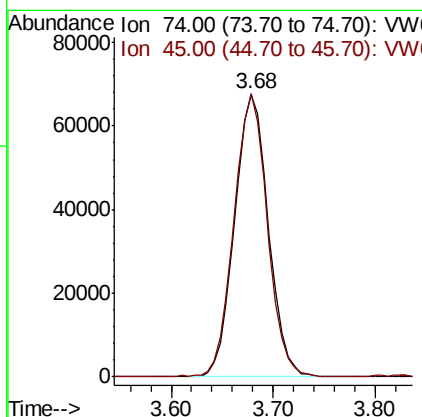
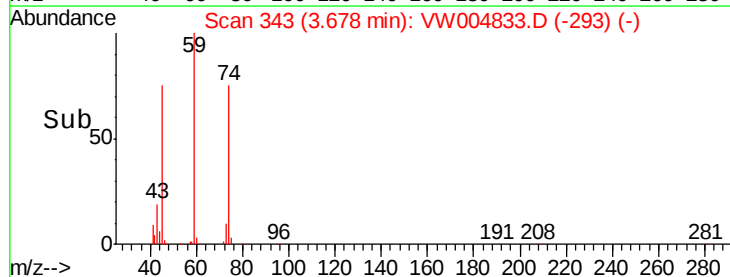
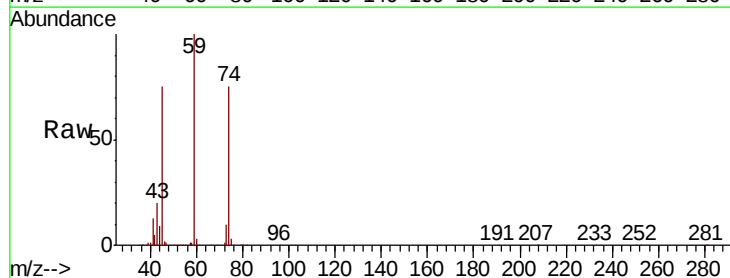
apatel
8/22/2018 11:06:43 AM

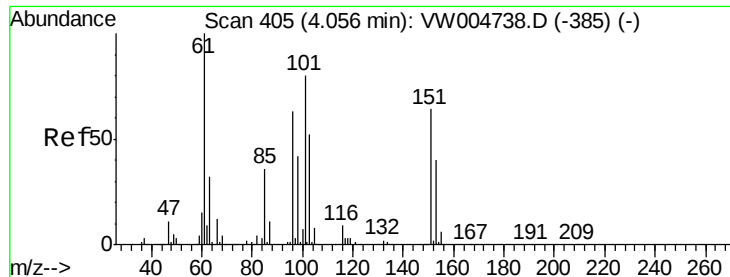


#8

Diethyl Ether
Concen: 45.56 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	49.8	149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.87 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

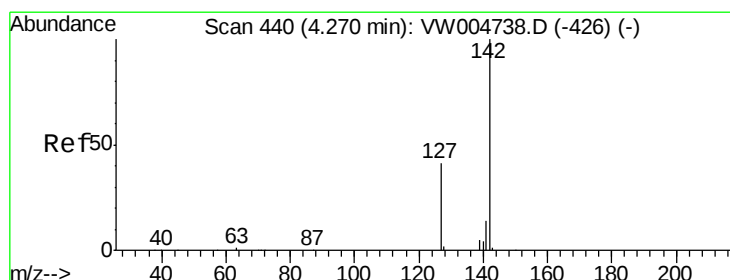
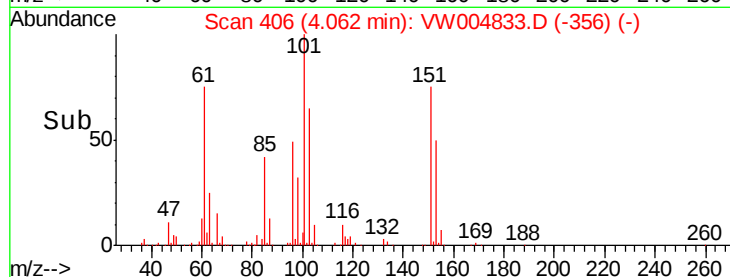
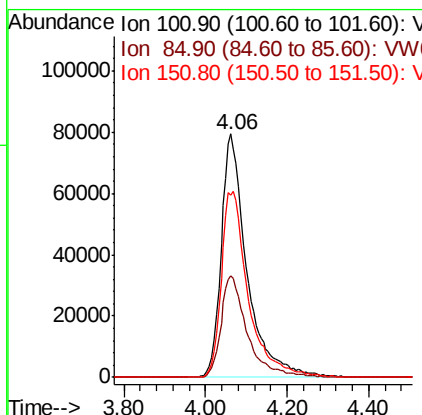
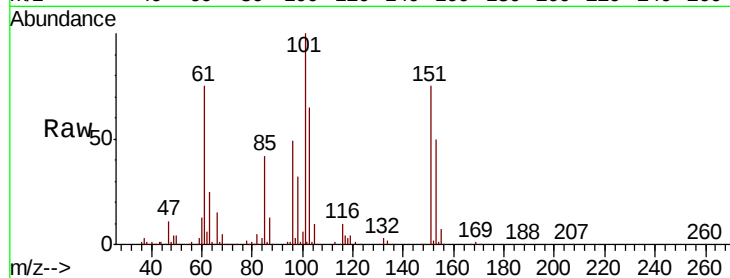
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	348551
Ion Ratio	Lower	Upper	
101	100		
85	42.9	33.9	50.9
151	79.7	63.4	95.2

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



#10

Methyl Iodide

Concen: 51.53 ug/l

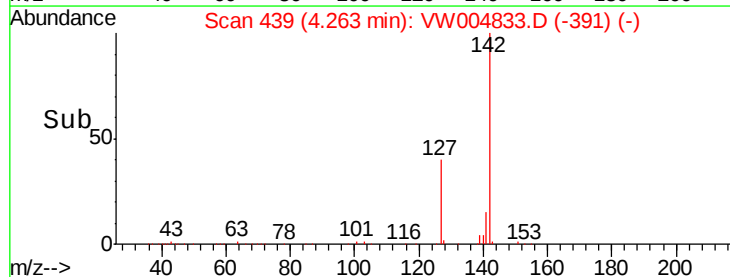
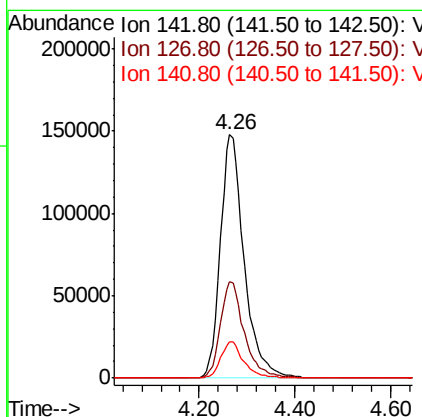
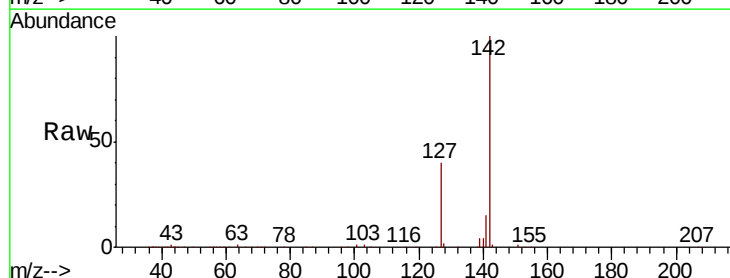
RT: 4.26 min Scan# 439

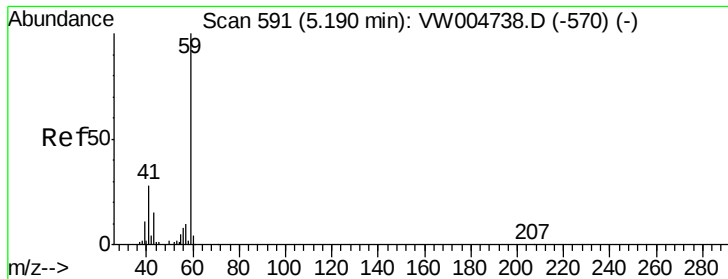
Delta R.T. -0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion:	142	Resp:	506347
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.4	11.7	17.5





#11

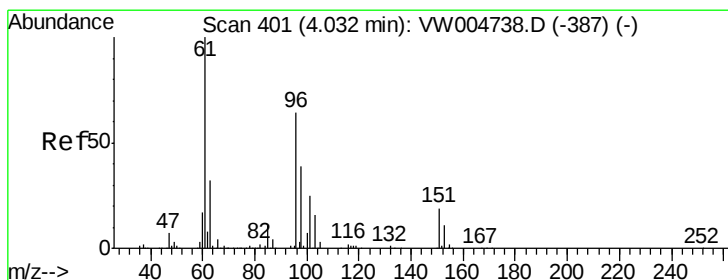
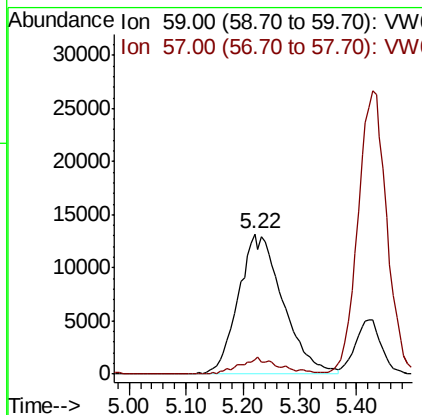
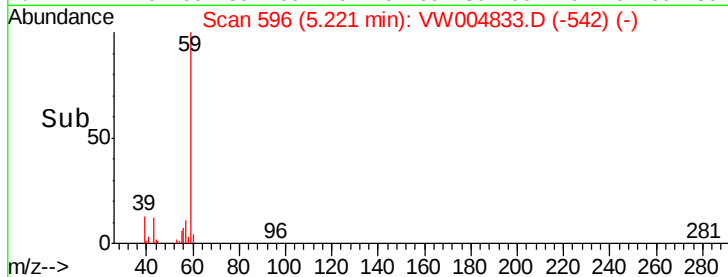
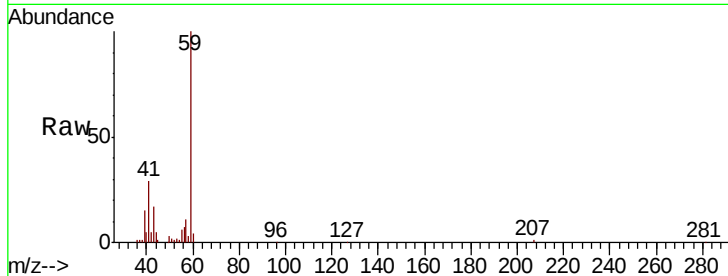
Tert butyl alcohol
 Concen: 211.79 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. 0.03 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	9.8	8.4	12.6

Manual Integrations
 APPROVED

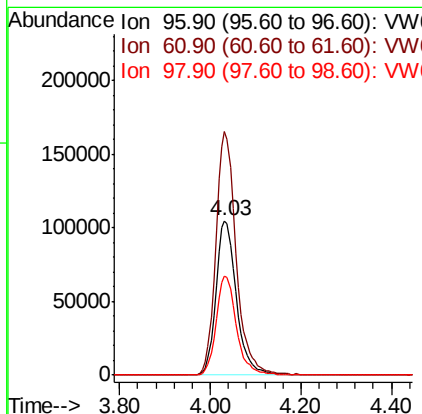
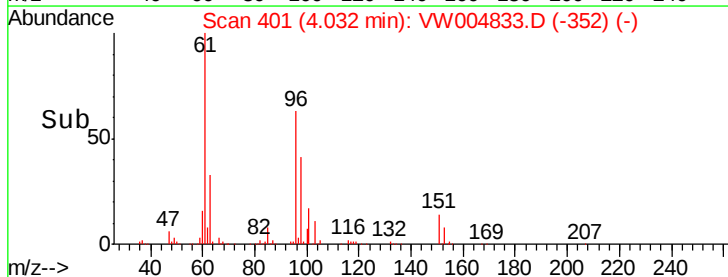
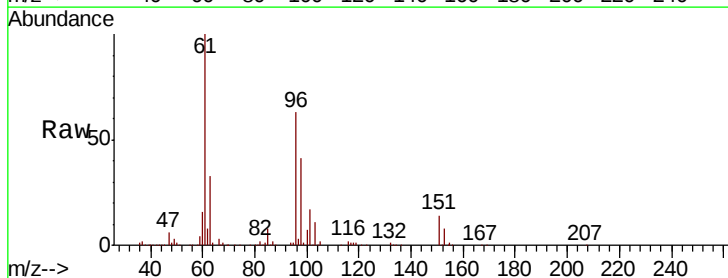
apatel
 8/22/2018 11:06:43 AM

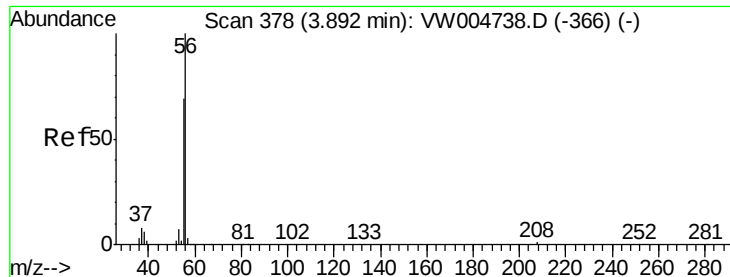


#12

1,1-Dichloroethene
 Concen: 51.33 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	157.6	125.6	188.4
98	98	63.9	49.4	74.0





#13

Acrolein

Concen: 295.75 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 134119

Ion Ratio Lower Upper

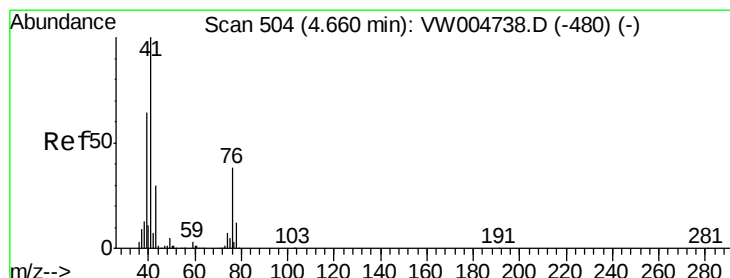
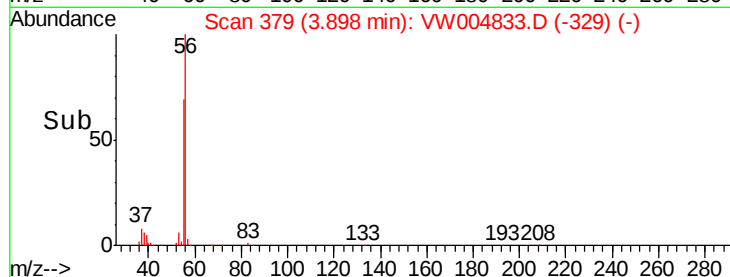
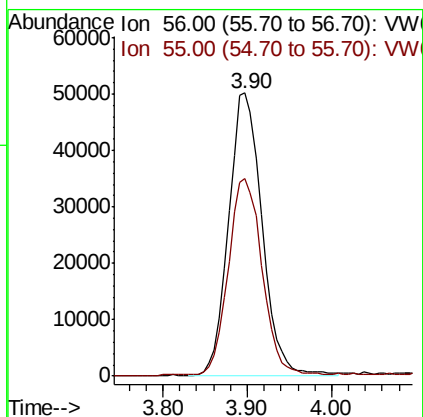
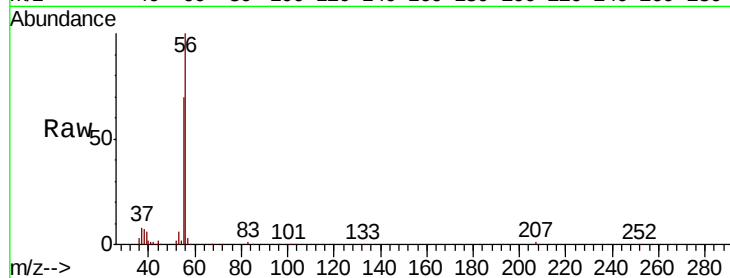
56 100

55 70.2 56.1 84.1

Manual Integrations
APPROVED

apatel

8/22/2018 11:06:43 AM



#14

Allyl chloride

Concen: 50.41 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

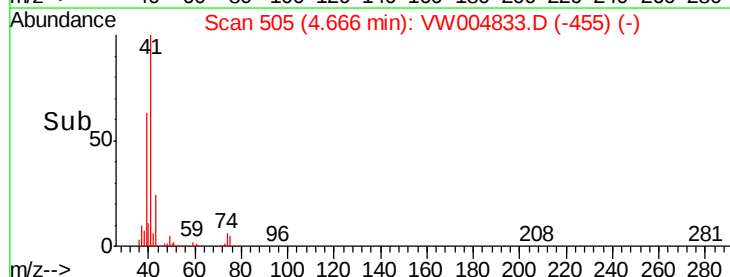
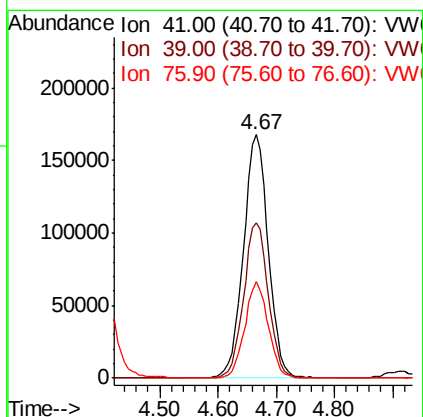
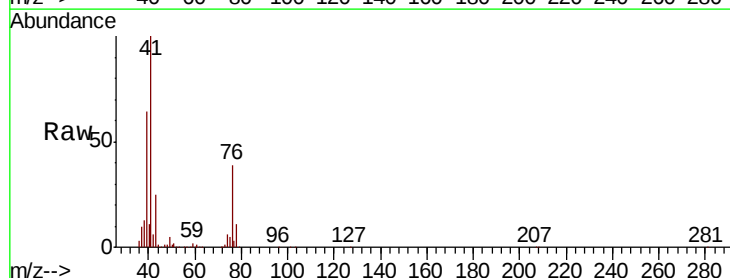
Tgt Ion: 41 Resp: 493252

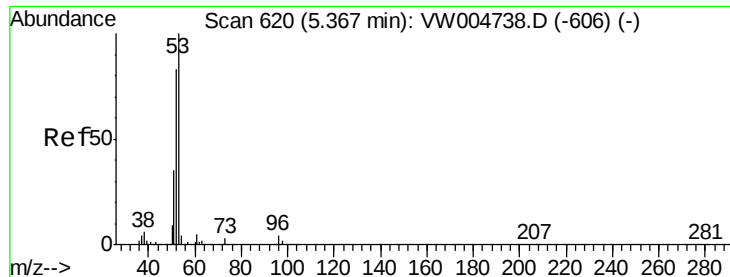
Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

76 37.1 29.8 44.6





#15

Acrylonitrile

Concen: 219.77 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

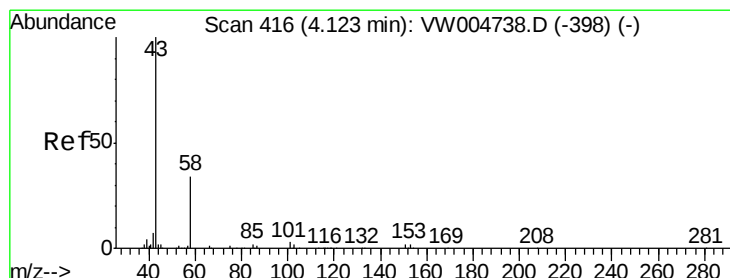
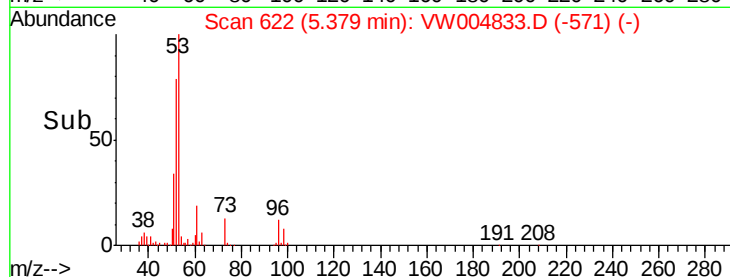
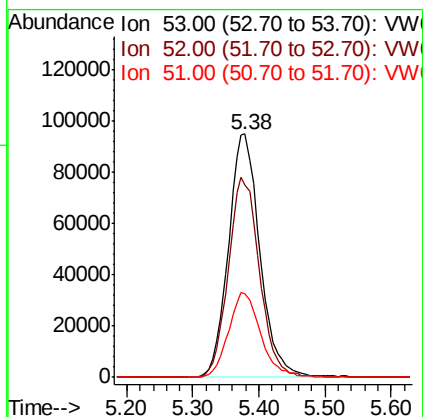
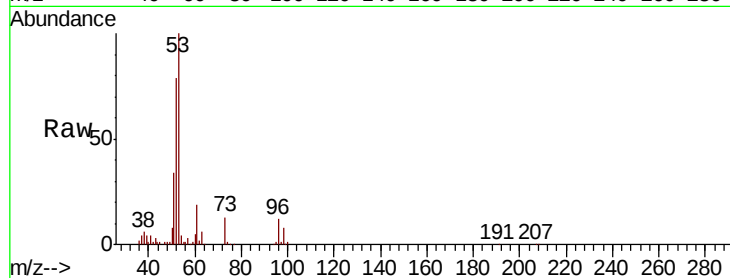
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	313108
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.8	98.6
51	35.6	28.7	43.1

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



#16

Acetone

Concen: 228.71 ug/l

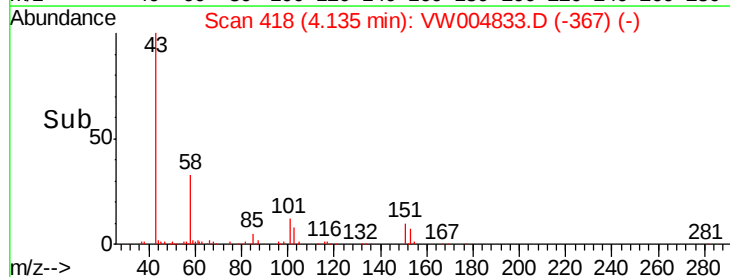
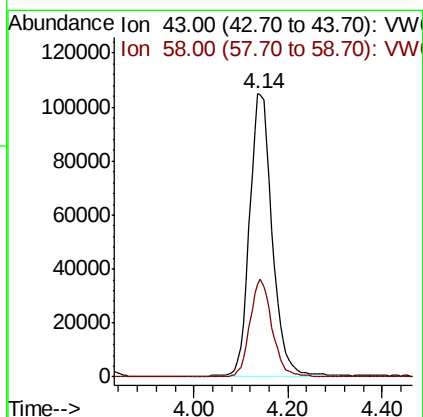
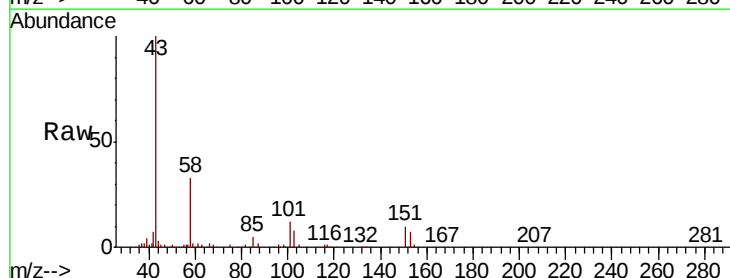
RT: 4.14 min Scan# 418

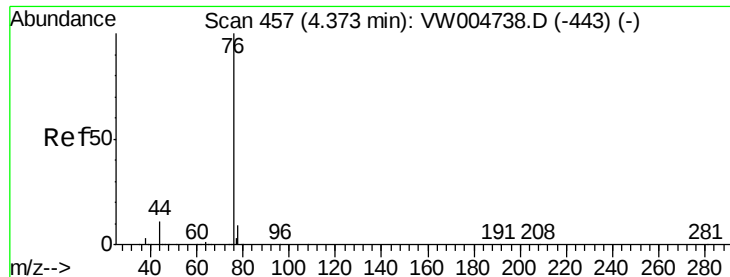
Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion:	43	Resp:	353145
Ion	Ratio	Lower	Upper
43	100		
58	32.6	27.3	40.9





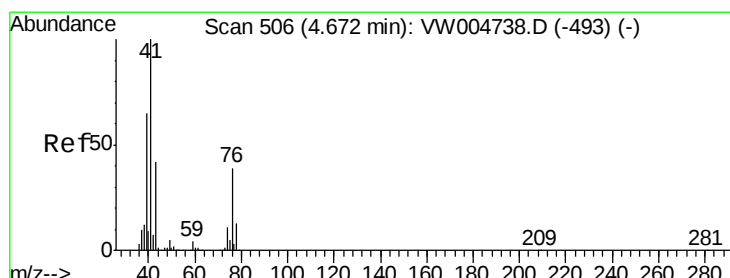
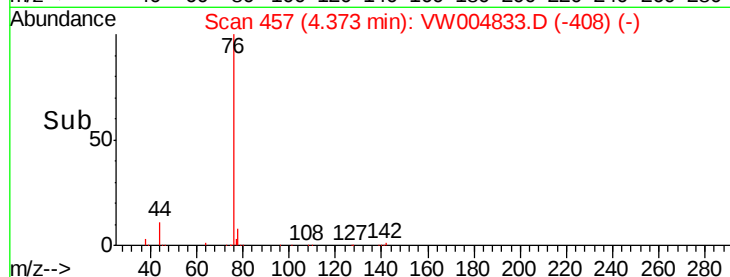
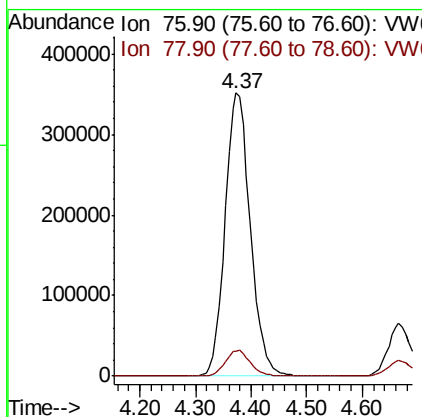
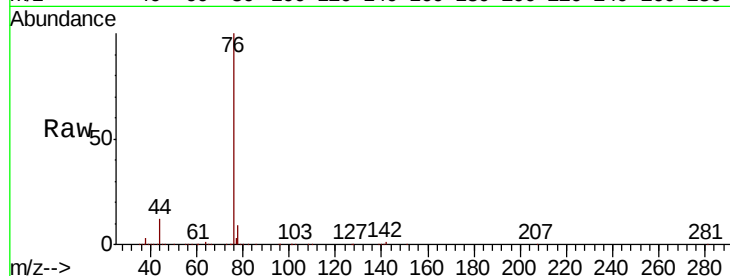
#17
Carbon Disulfide
Concen: 51.79 ug/l
RT: 4.37 min Scan# 457
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1097343
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

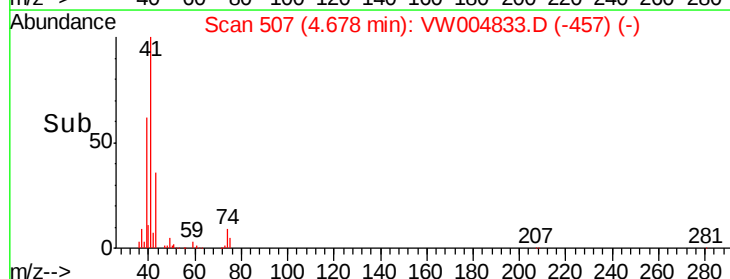
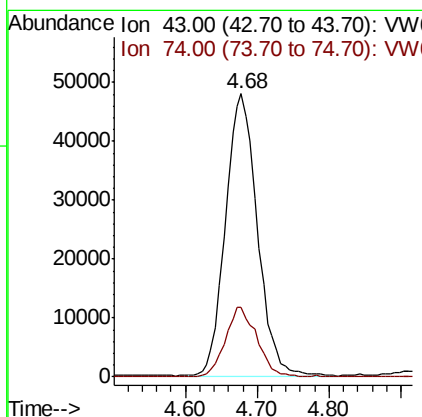
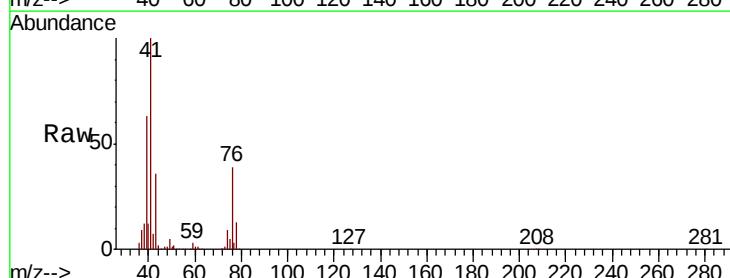
Manual Integrations
APPROVED

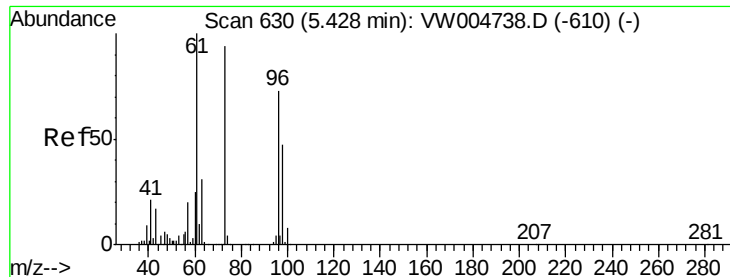
apatel
8/22/2018 11:06:43 AM



#18
Methyl Acetate
Concen: 44.29 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 43 Resp: 146569
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8





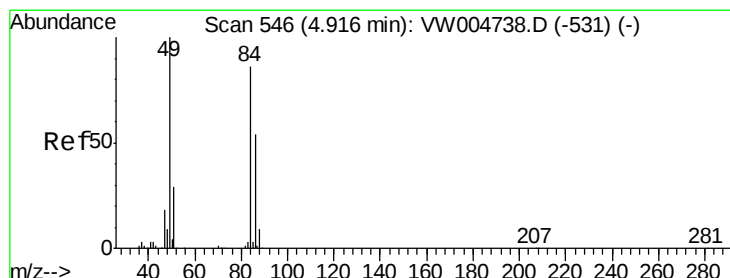
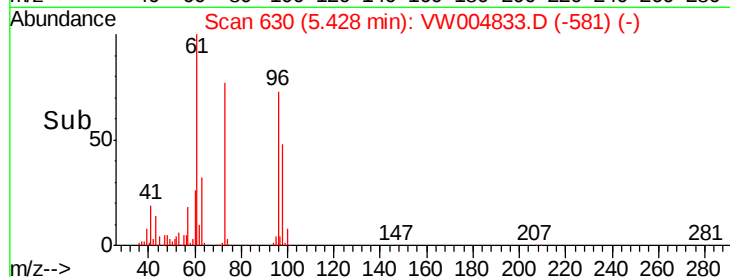
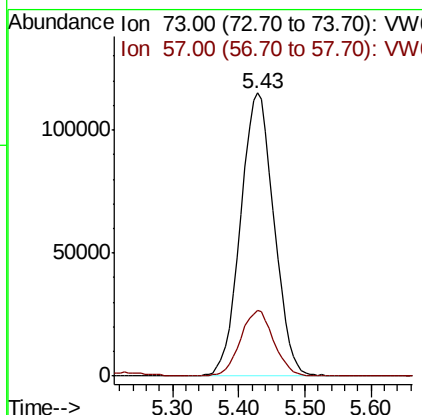
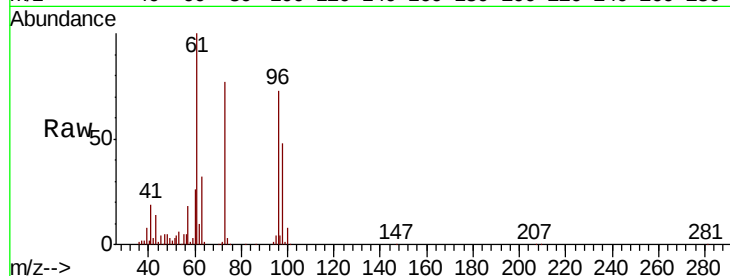
#19
Methvl tert-butvl Ether
Concen: 48.31 ug/l
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	17.3	25.9

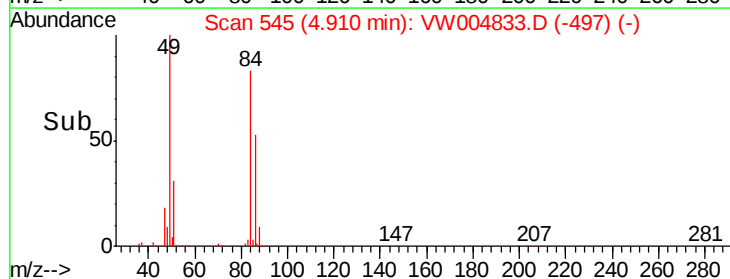
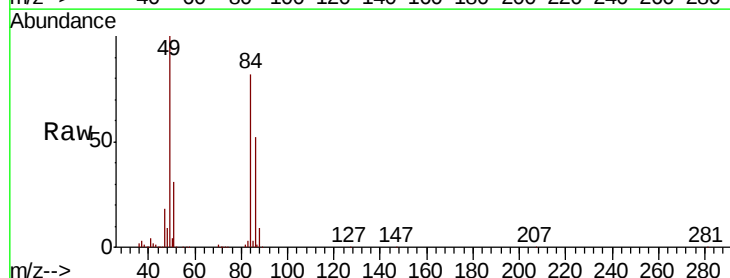
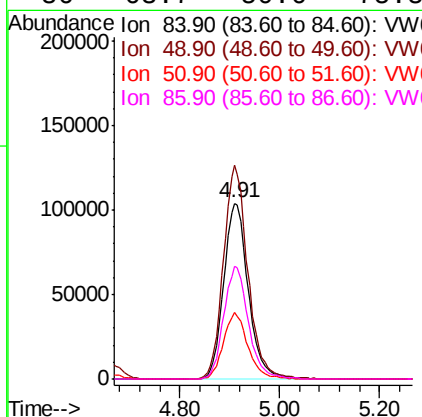
Manual Integrations
APPROVED

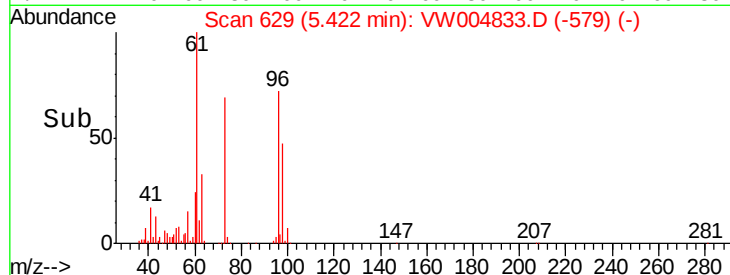
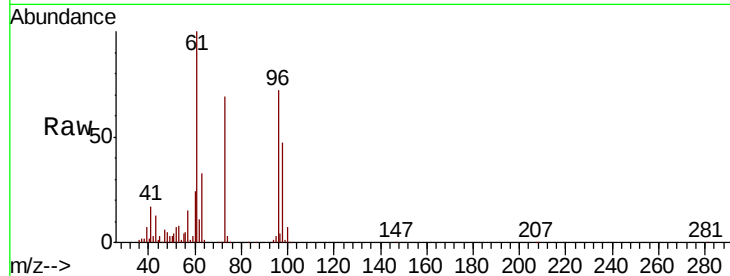
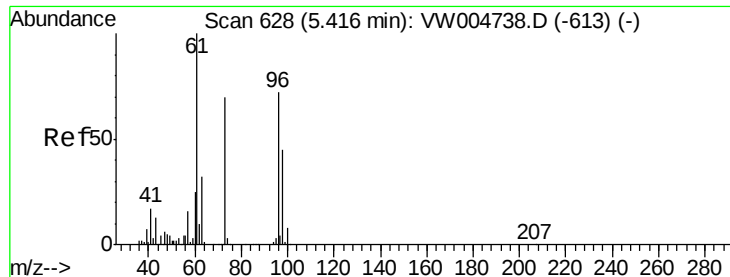
apatel
8/22/2018 11:06:43 AM



#20
Methylene Chloride
Concen: 50.65 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.4	93.2	139.8
51	38.0	27.4	41.0
86	63.7	50.6	75.8





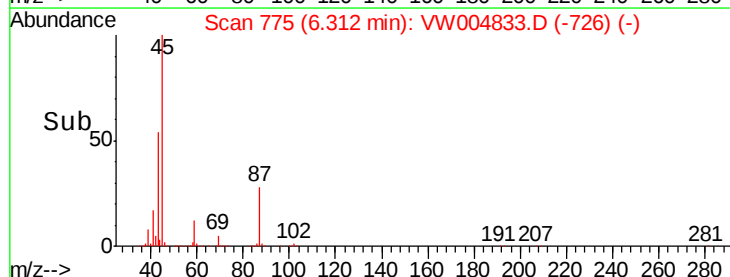
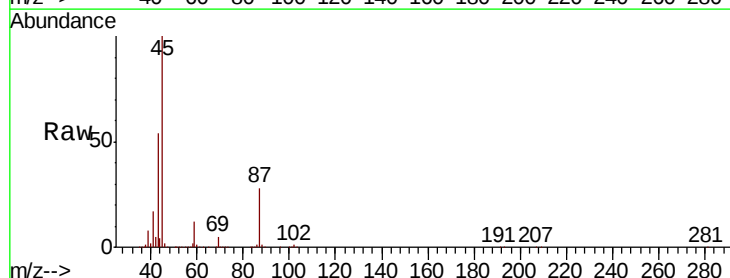
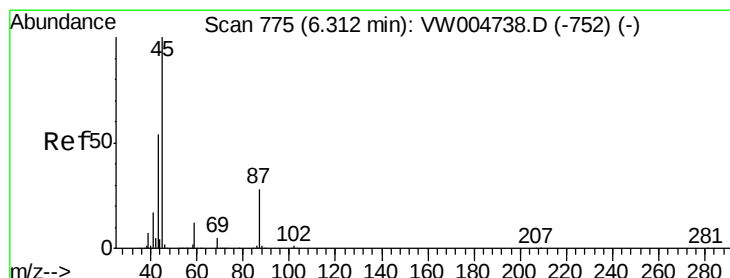
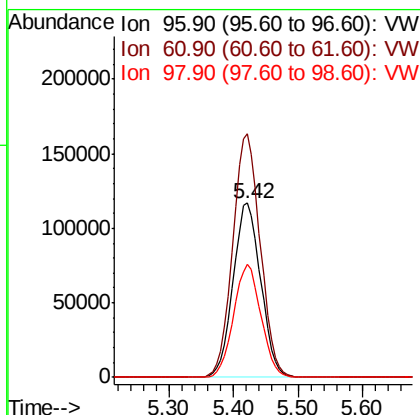
#21
trans-1,2-Dichloroethene
Concen: 50.95 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	111.4	167.0
98	65.1	49.7	74.5

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

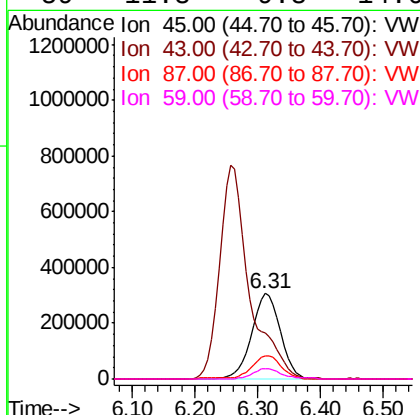
Manual Integrations
APPROVED

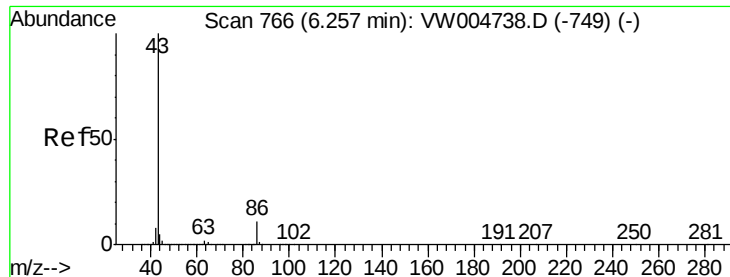
apatel
8/22/2018 11:06:43 AM



#22
Diisopropyl ether
Concen: 51.76 ug/l
RT: 6.31 min Scan# 775
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.6	43.0	64.6
87	27.5	22.2	33.4
59	11.8	9.8	14.6





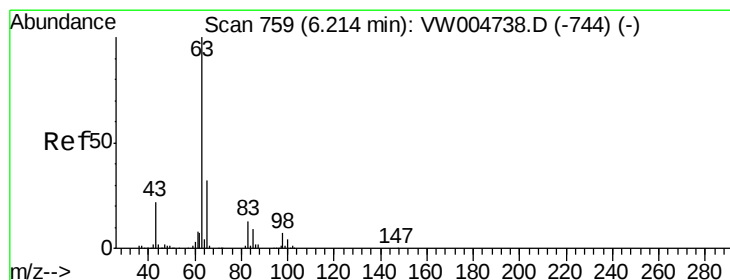
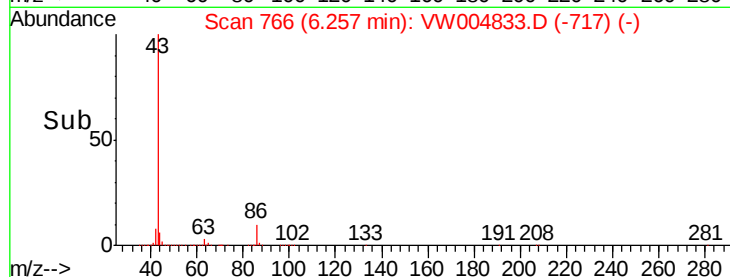
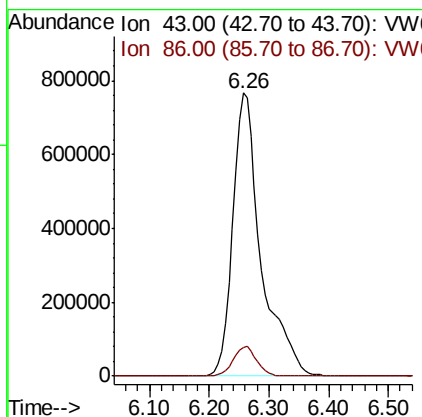
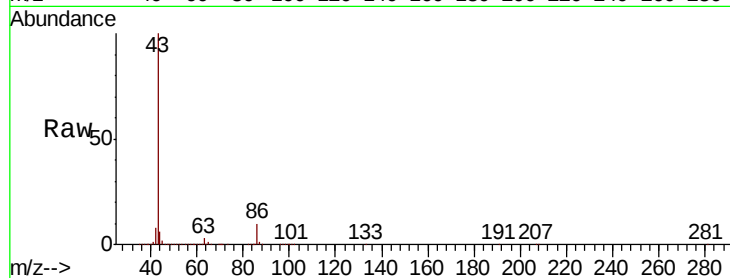
#23
 Vinyl Acetate
 Concen: 237.09 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2522076
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.5 12.7

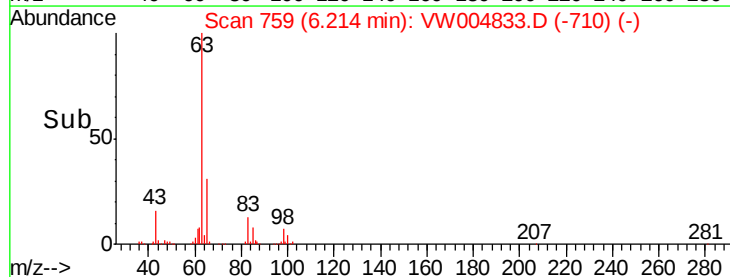
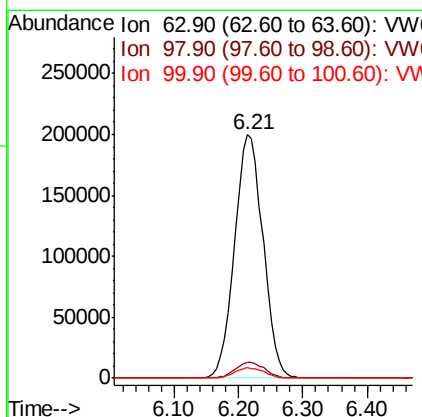
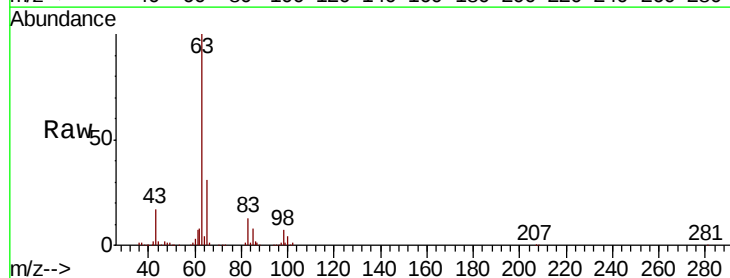
Manual Integrations
 APPROVED

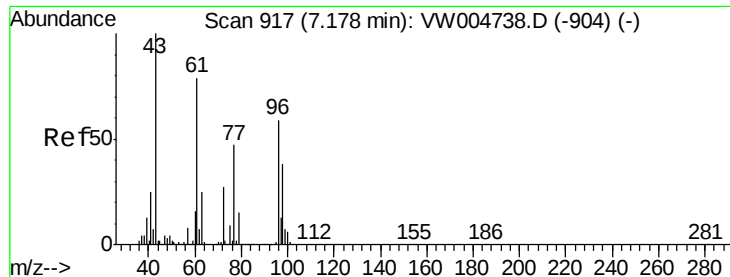
apatel
 8/22/2018 11:06:43 AM



#24
 1,1-Dichloroethane
 Concen: 50.00 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion: 63 Resp: 611005
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.4
 100 4.4 2.1 6.3





#25

2-Butanone

Concen: 214.51 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 471939

Ion Ratio Lower Upper

43 100

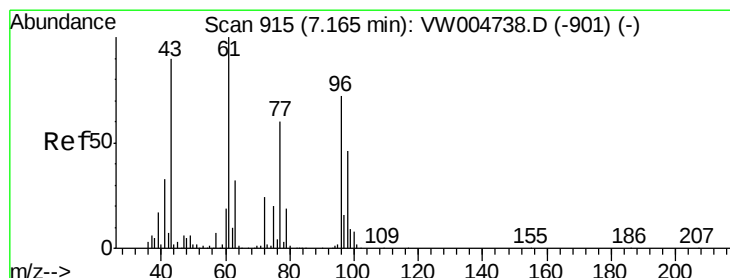
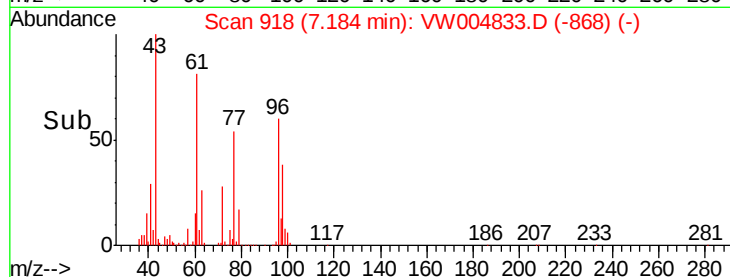
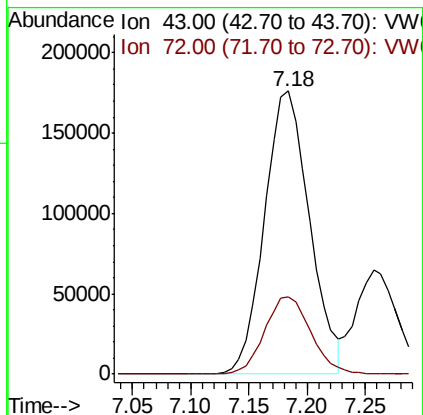
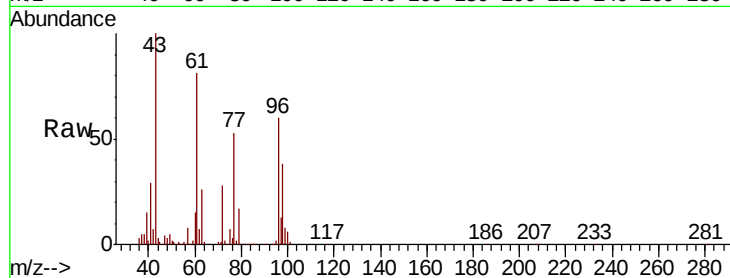
72 27.5 22.0 33.0

Manual Integrations

APPROVED

apatel

8/22/2018 11:06:43 AM



#26

2,2-Dichloropropane

Concen: 52.98 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW004833.D

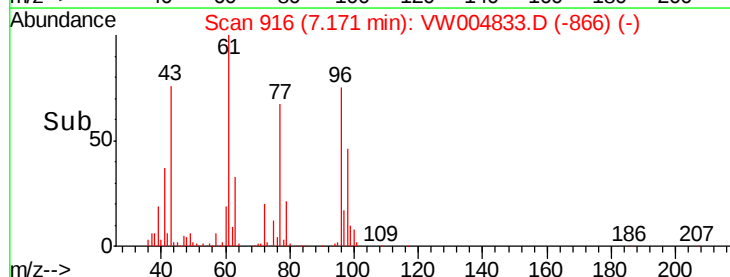
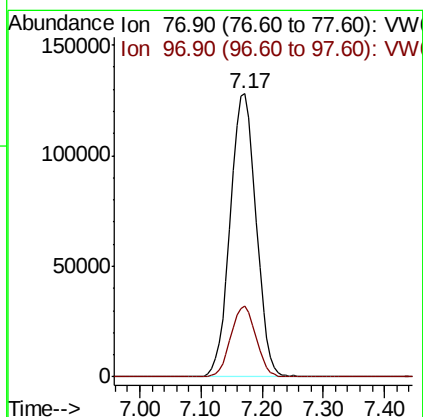
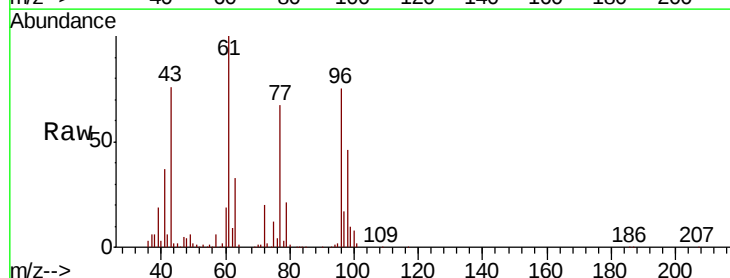
Acq: 21 Aug 2018 11:26

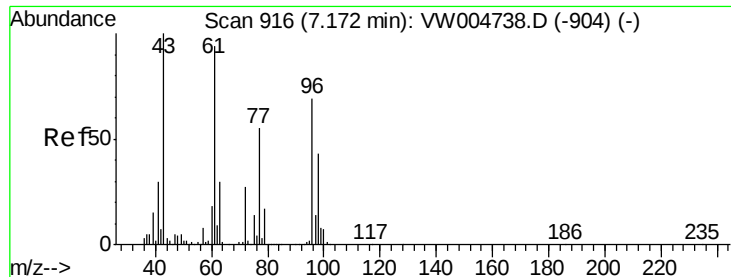
Tgt Ion: 77 Resp: 373972

Ion Ratio Lower Upper

77 100

97 24.5 12.6 37.8





#27

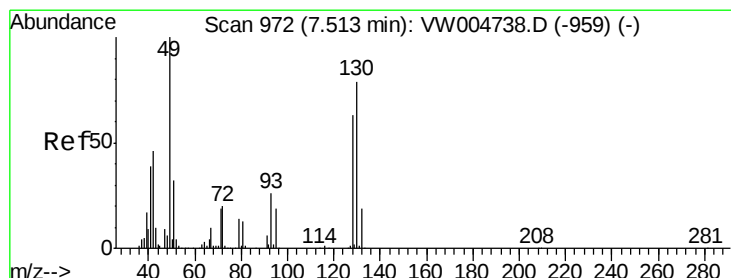
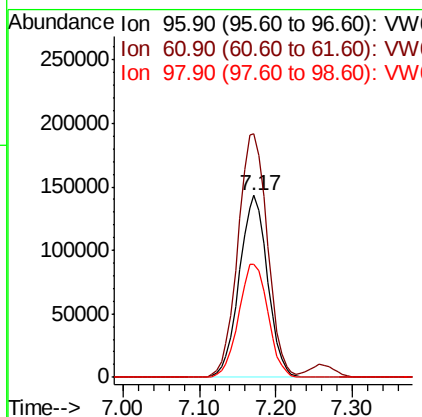
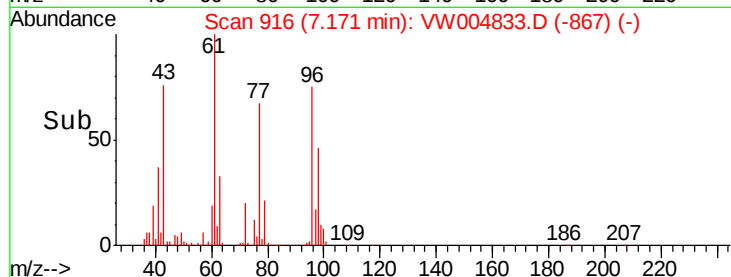
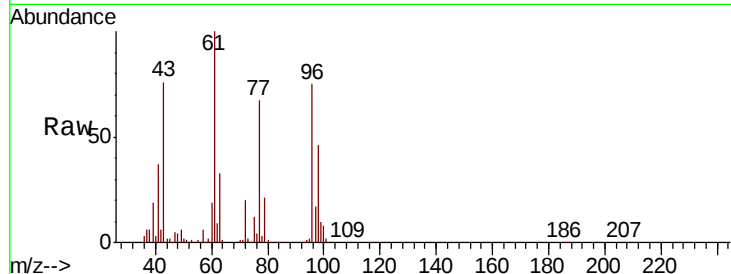
cis-1,2-Dichloroethene
Concen: 49.84 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	277.6
98	64.5	0.0	127.4

Manual Integrations
APPROVED

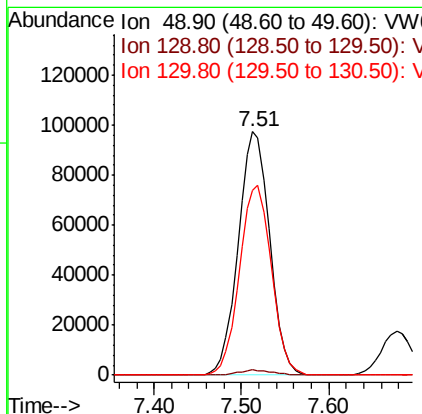
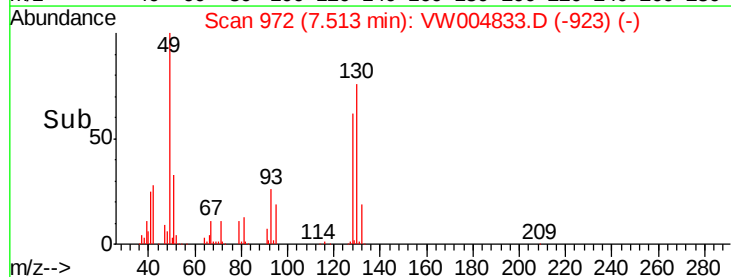
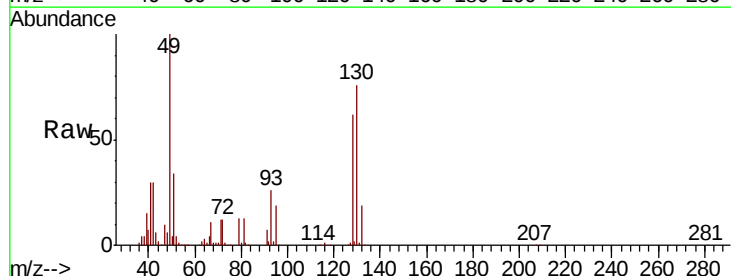
apatel
8/22/2018 11:06:43 AM

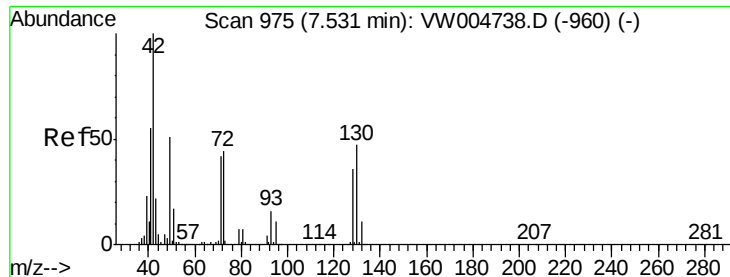


#28

Bromochloromethane
Concen: 47.24 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	79.3	63.7	95.5





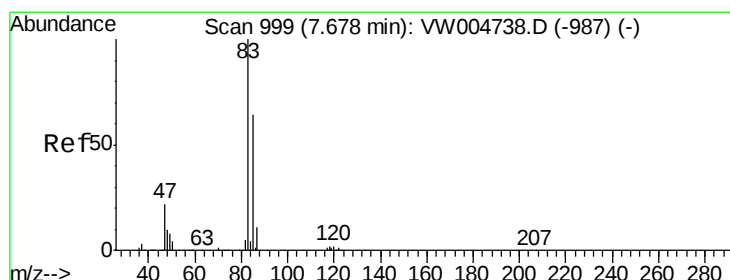
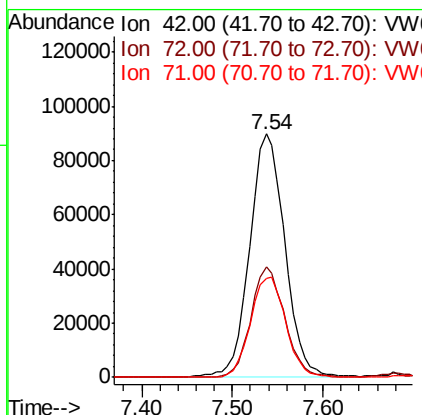
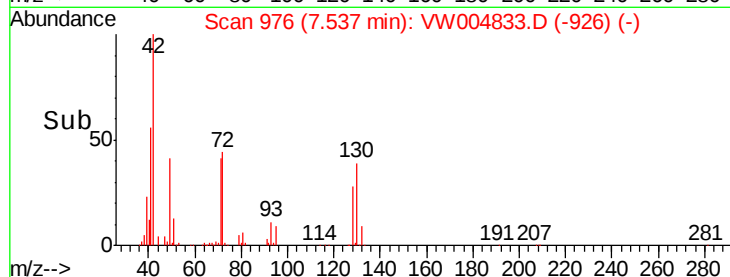
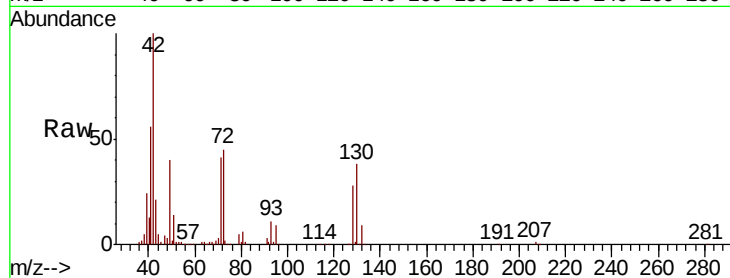
#29
Tetrahydrofuran
Concen: 214.06 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.9	52.3
71	41.4	33.8	50.6

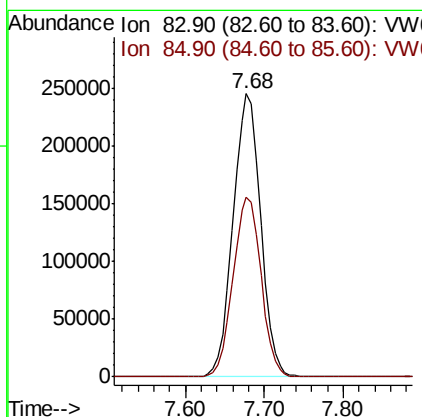
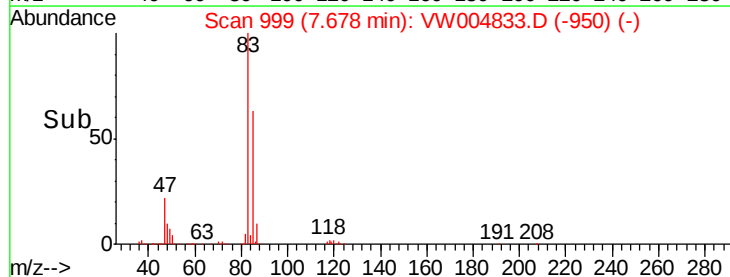
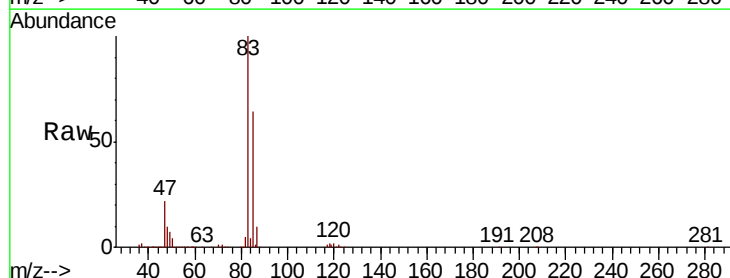
Manual Integrations
APPROVED

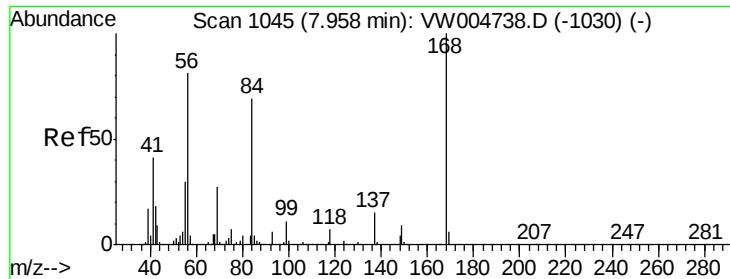
apatel
8/22/2018 11:06:43 AM



#30
Chloroform
Concen: 49.60 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6





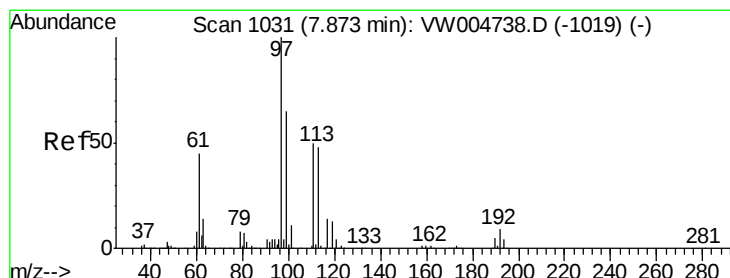
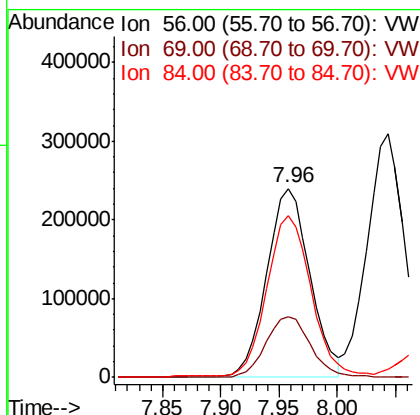
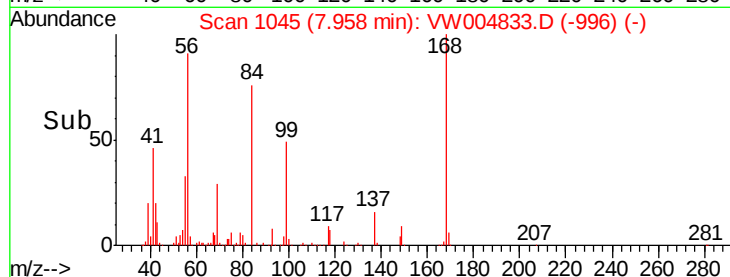
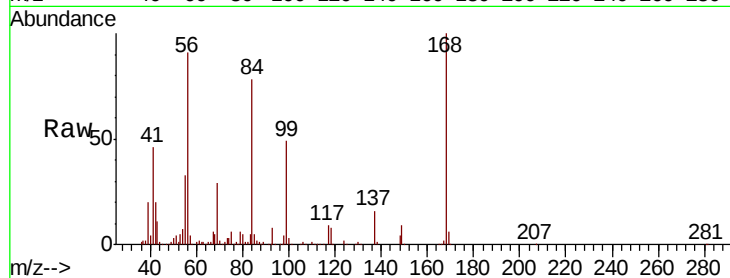
#31
Cyclohexane
Concen: 52.02 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	27.1	40.7
84	84.2	68.3	102.5

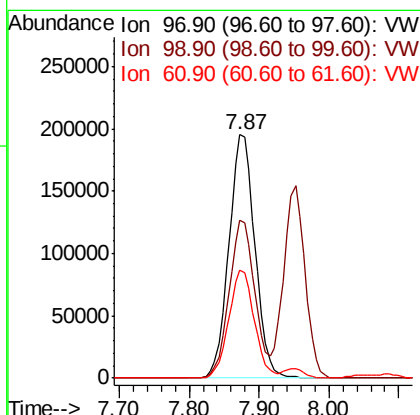
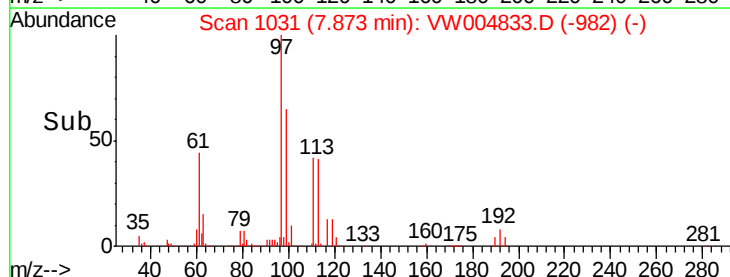
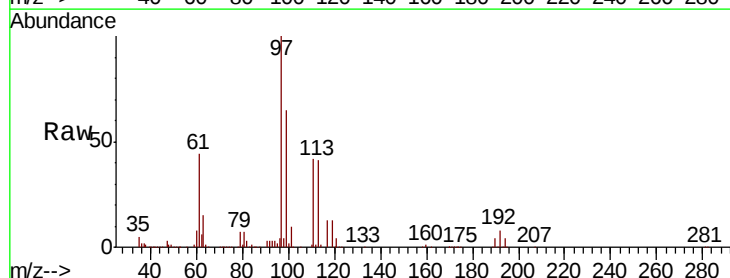
Manual Integrations
APPROVED

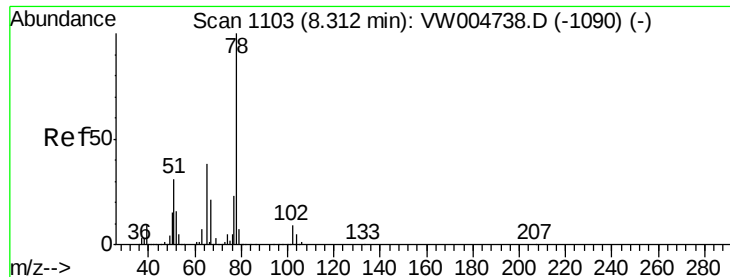
apatel
8/22/2018 11:06:43 AM



#32
1,1,1-Trichloroethane
Concen: 52.91 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	43.7	34.4	51.6





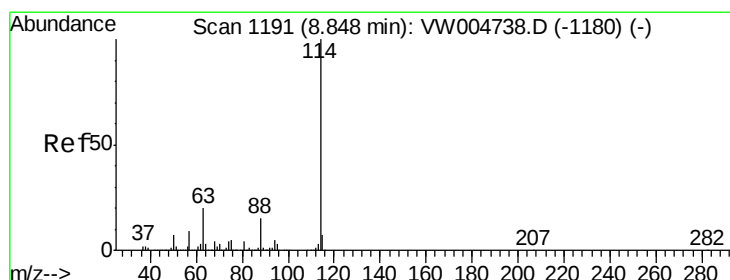
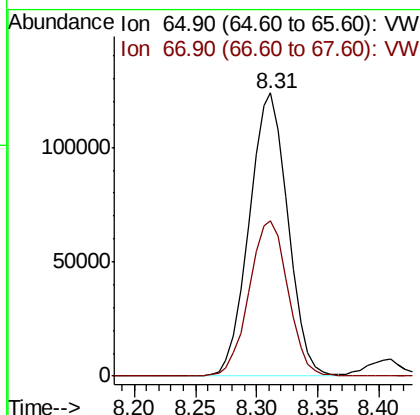
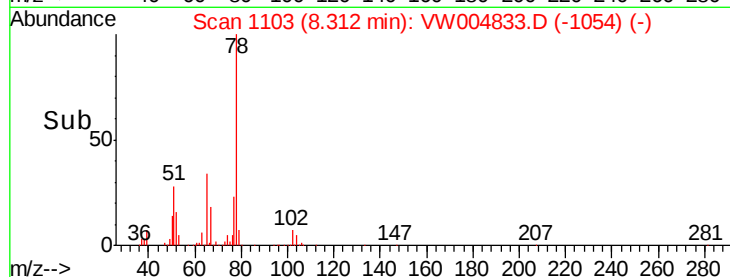
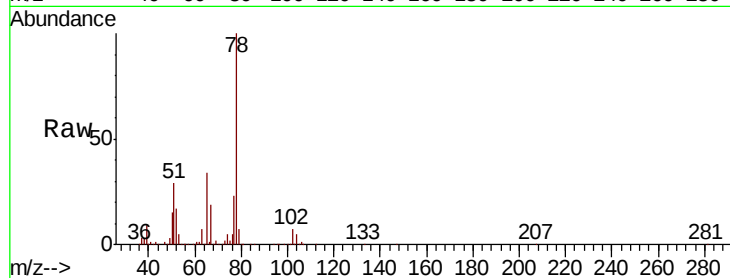
#33
 1,2-Dichloroethane-d4
 Concen: 44.98 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	272085		
67	55.2	0.0	109.4	

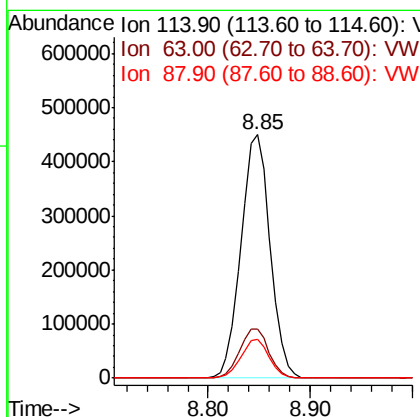
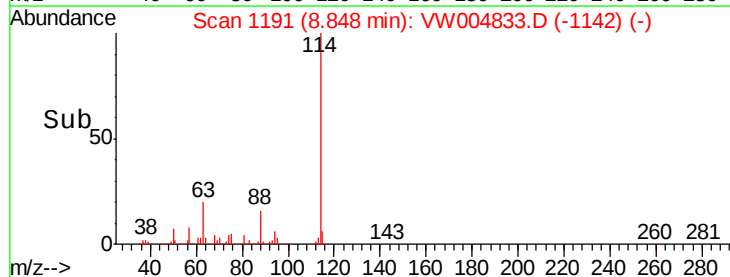
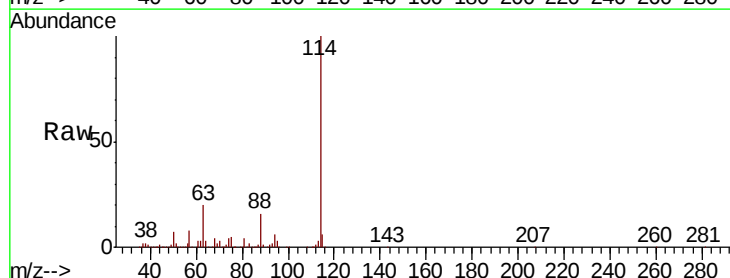
Manual Integrations
 APPROVED

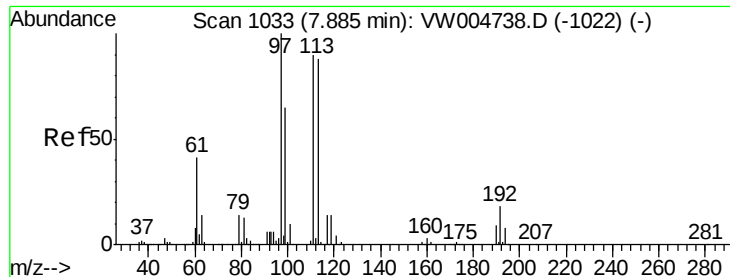
apatel
 8/22/2018 11:06:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	891661		
63	20.0	0.0	39.0	
88	15.9	0.0	30.0	





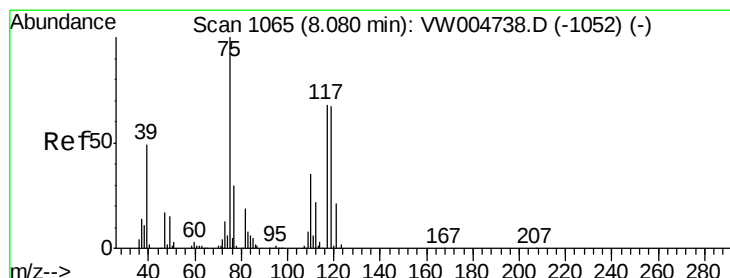
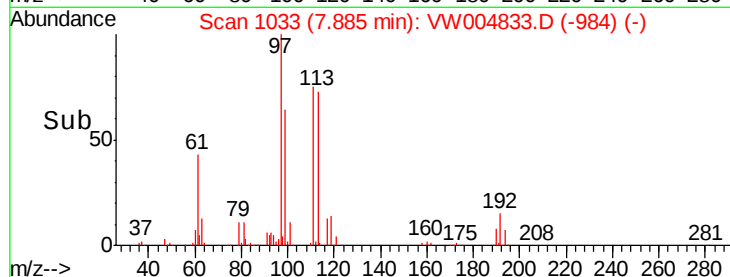
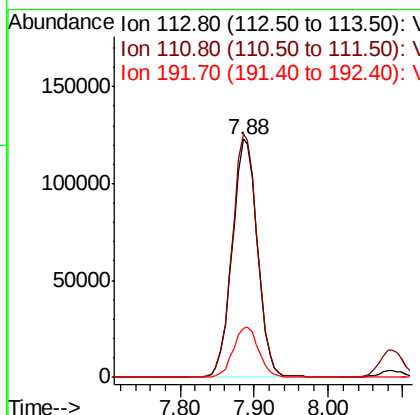
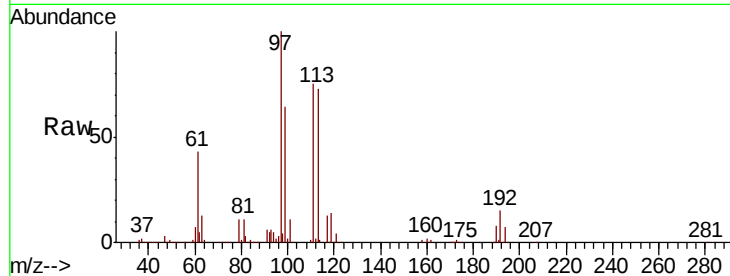
#35
 Dibromofluoromethane
 Concen: 51.16 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.4	123.6
192	21.2	16.7	25.1

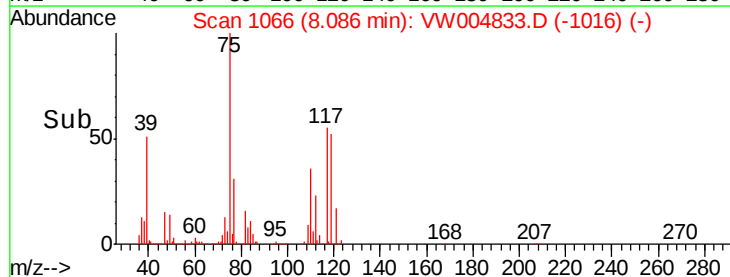
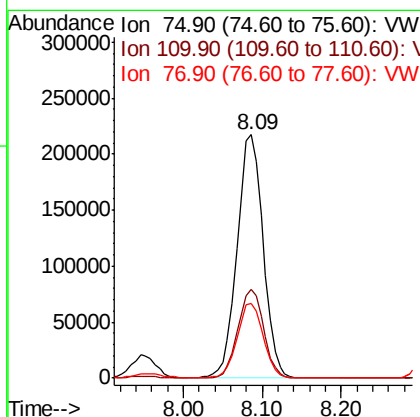
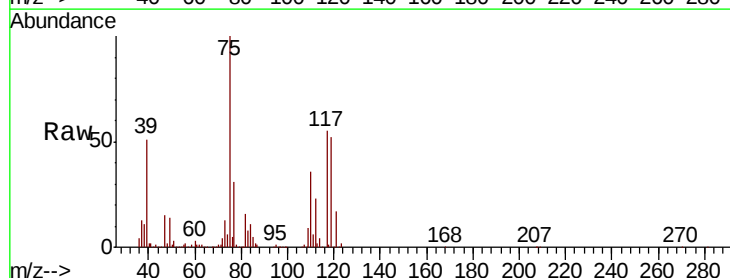
Manual Integrations
 APPROVED

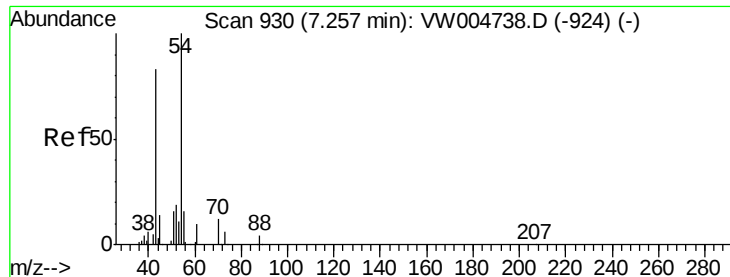
apatel
 8/22/2018 11:06:43 AM



#36
 1,1-Dichloropropene
 Concen: 54.33 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.8	53.5
77	31.1	24.9	37.3





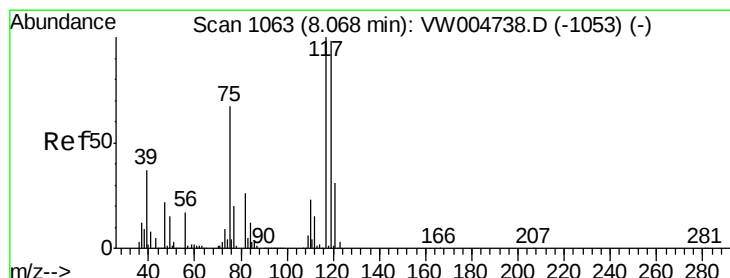
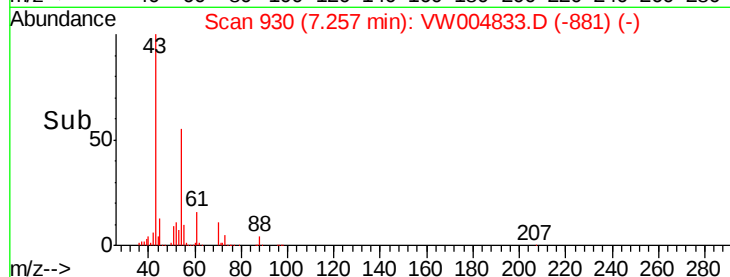
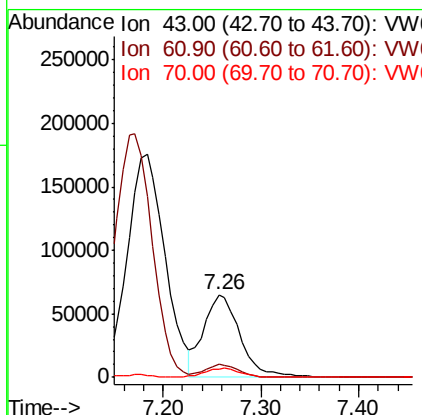
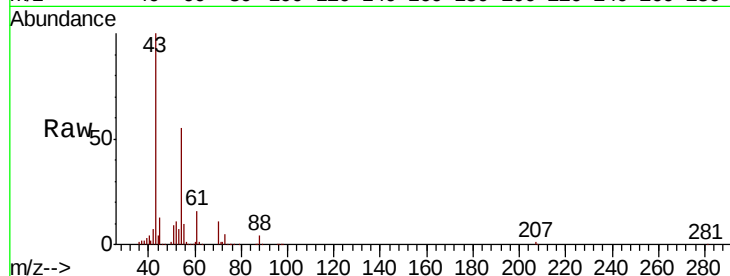
#37
Ethyl Acetate
Concen: 45.11 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.6	17.4
70	11.1	9.2	13.8

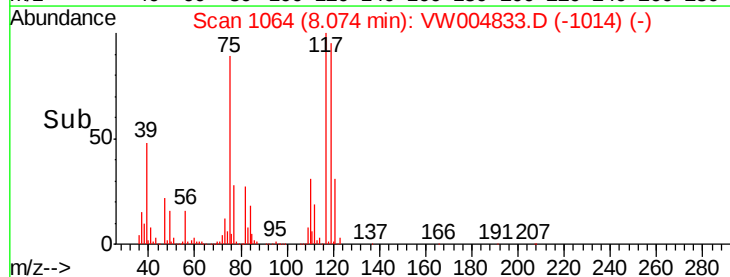
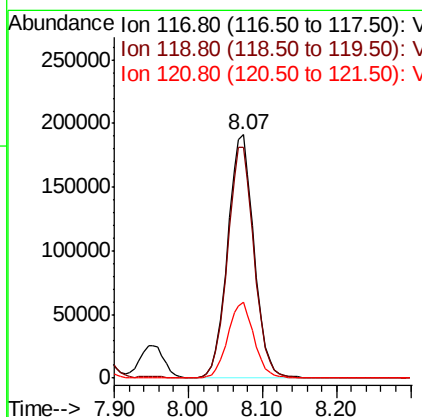
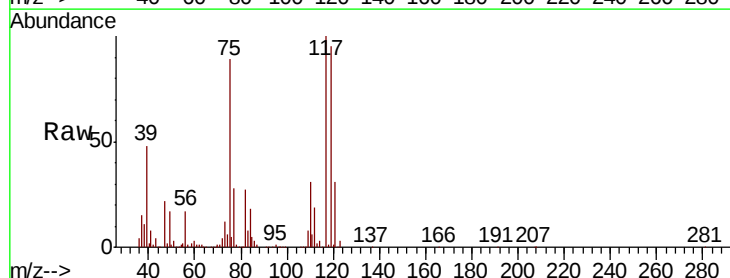
Manual Integrations
APPROVED

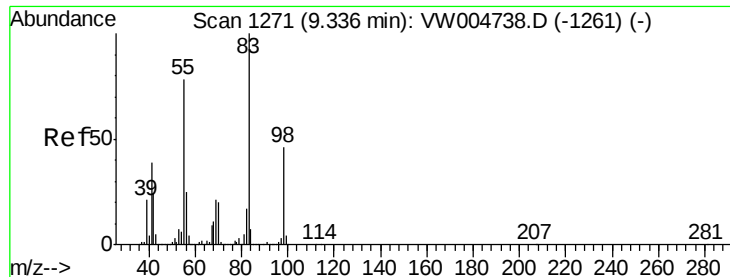
apatel
8/22/2018 11:06:43 AM



#38
Carbon Tetrachloride
Concen: 55.86 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.0	117.0
121	31.1	24.8	37.2





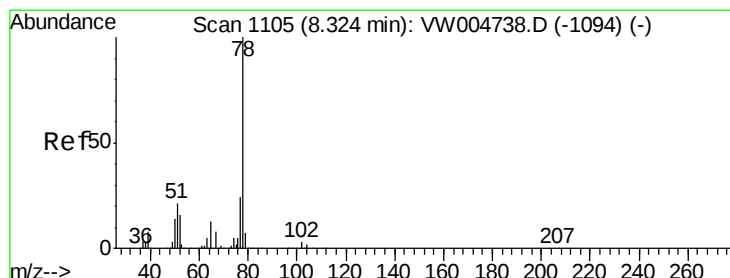
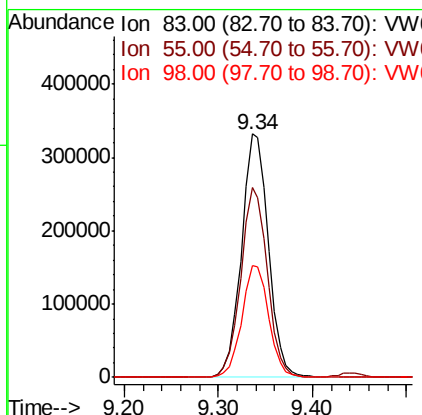
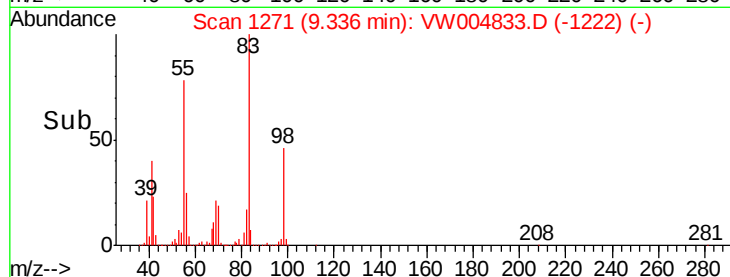
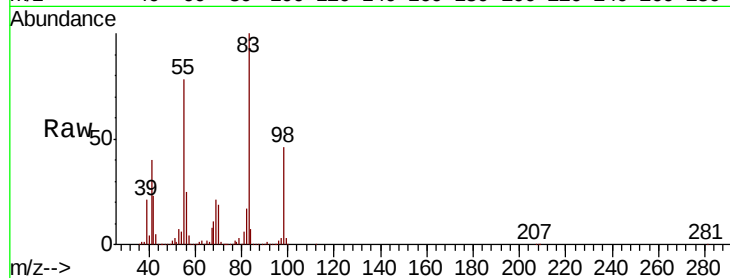
#39
Methvlcvclohexane
Concen: 57.80 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.4	93.6
98	45.7	36.5	54.7

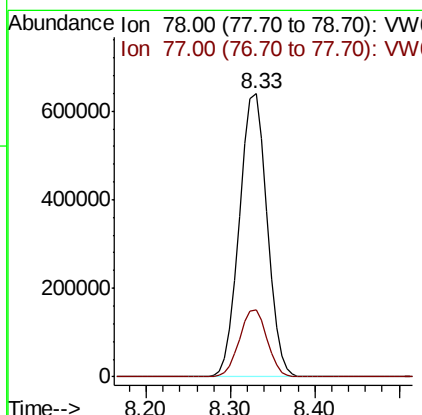
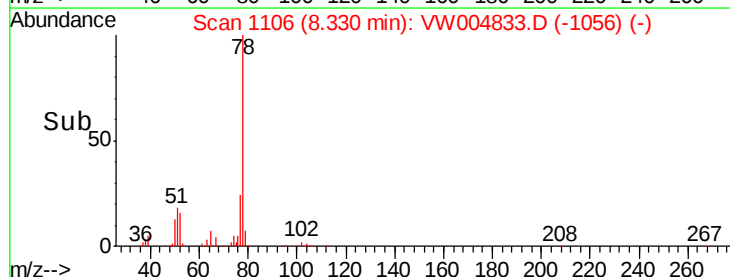
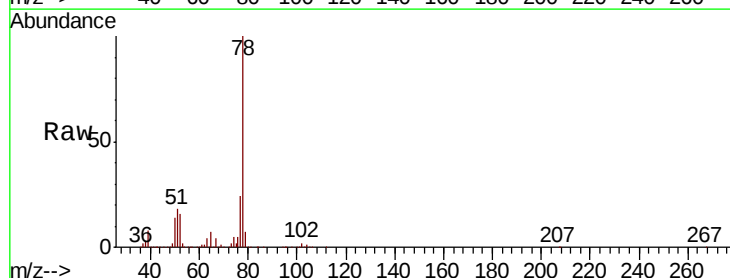
Manual Integrations
APPROVED

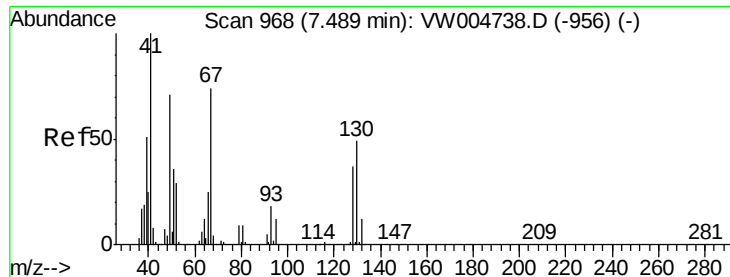
apatel
8/22/2018 11:06:43 AM



#40
Benzene
Concen: 52.95 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





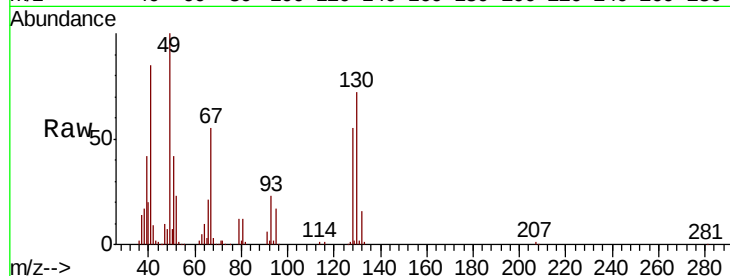
#41
Methacrylonitrile
Concen: 46.24 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

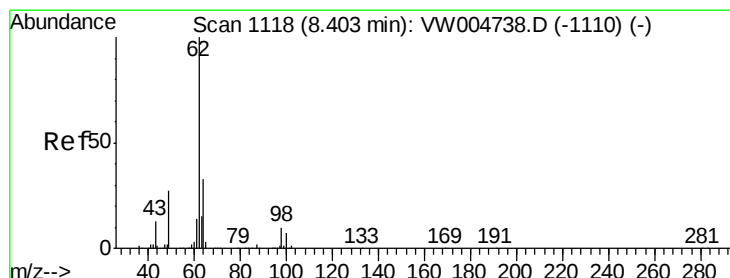
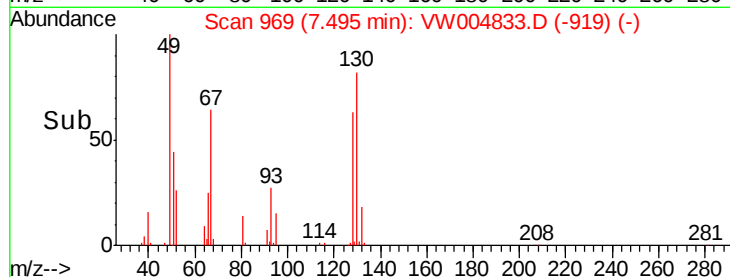
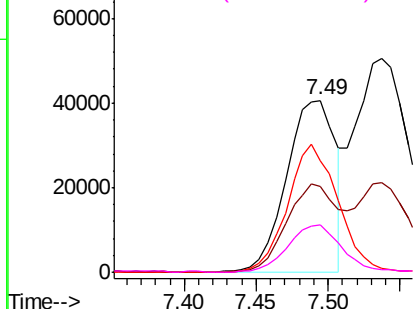
Tot Ion	Ratio	Lower	Upper
41	100		
39	56.0	41.0	61.4
67	77.2	59.5	89.3
52	30.3	23.6	35.4

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM

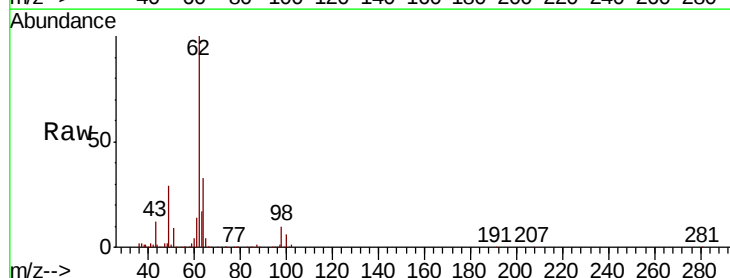


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

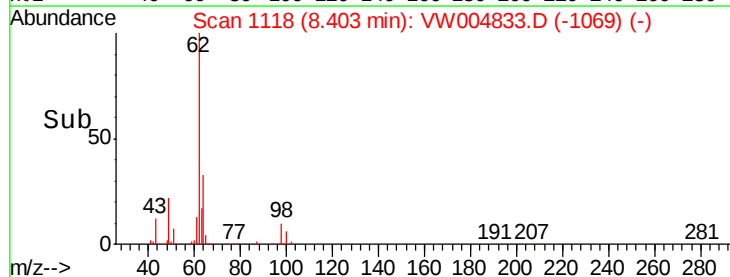
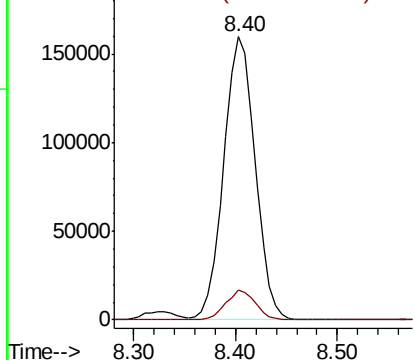


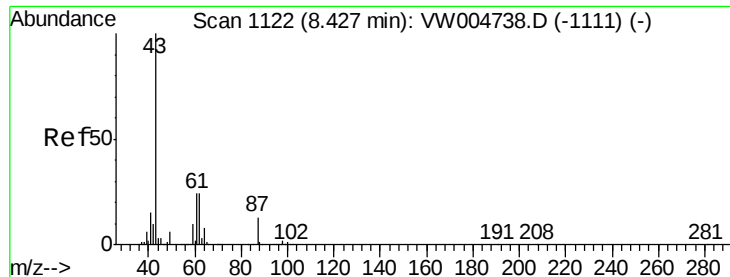
#42
1,2-Dichloroethane
Concen: 49.73 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 46.26 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

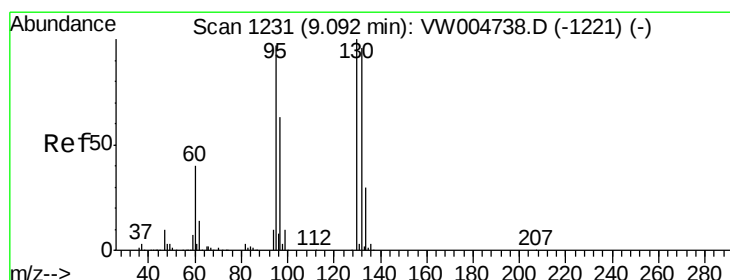
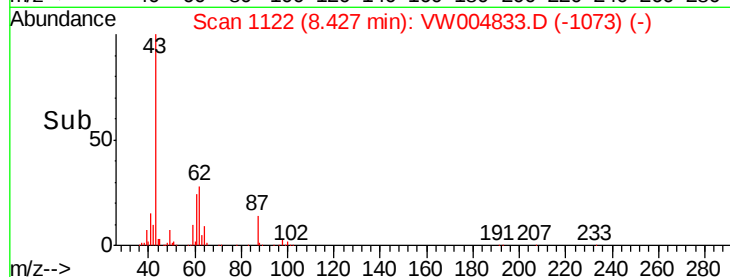
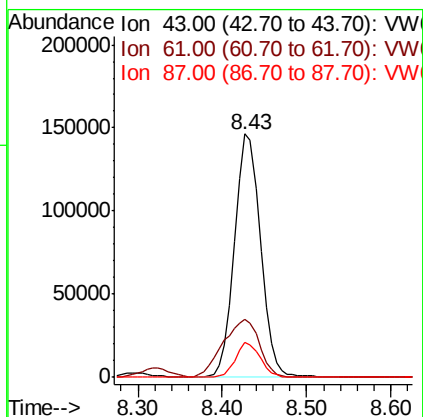
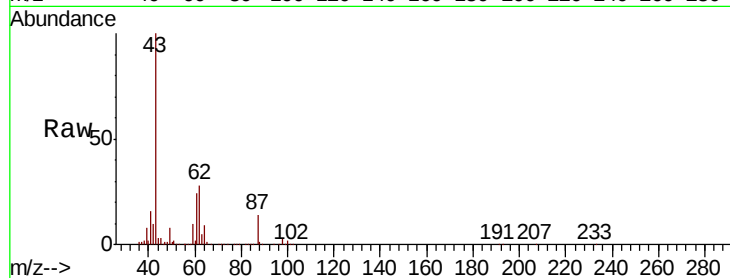
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	304286
Ion	Ratio	Lower	Upper
43	100		
61	33.6	26.2	39.4
87	13.7	10.9	16.3

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



#44

Trichloroethene

Concen: 52.71 ug/l

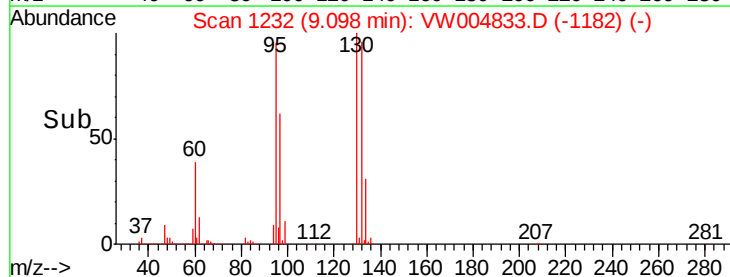
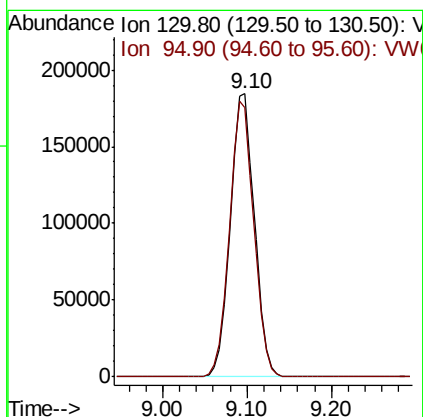
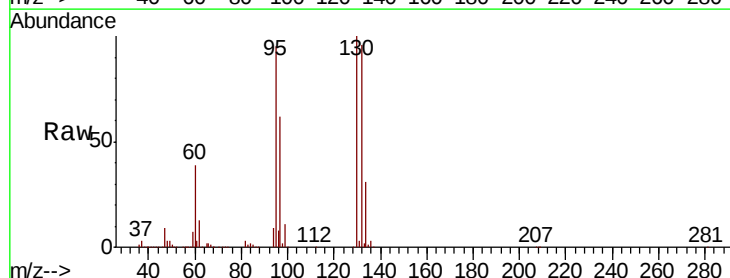
RT: 9.10 min Scan# 1232

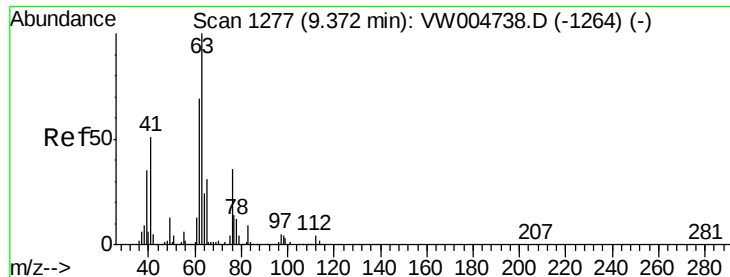
Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion:	130	Resp:	357167
Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	194.4





#45

1,2-Dichloropropane

Concen: 52.13 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 340423

Ion Ratio Lower Upper

63 100

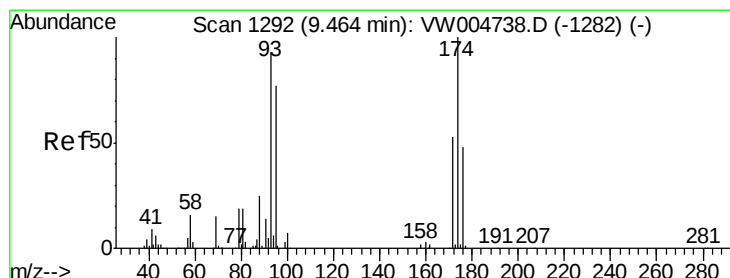
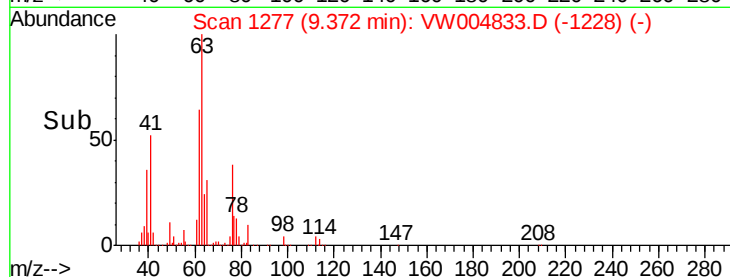
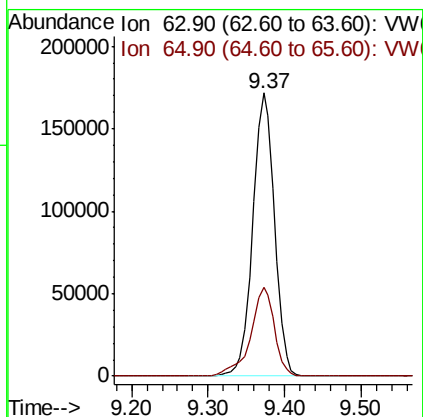
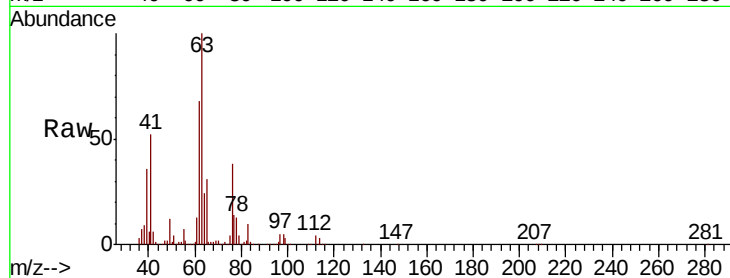
65 31.3 24.6 37.0

Manual Integrations

APPROVED

apatel

8/22/2018 11:06:43 AM



#46

Dibromomethane

Concen: 48.40 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

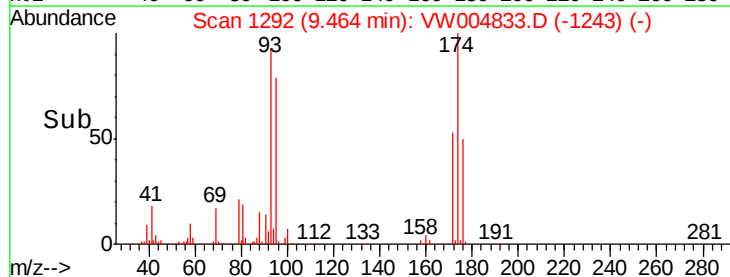
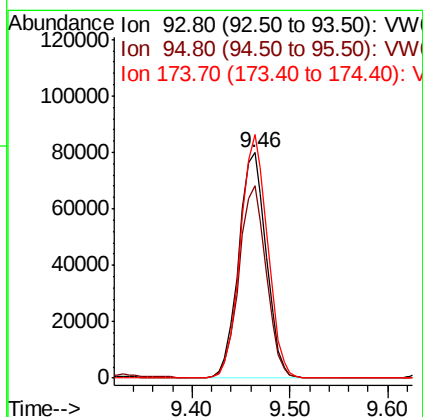
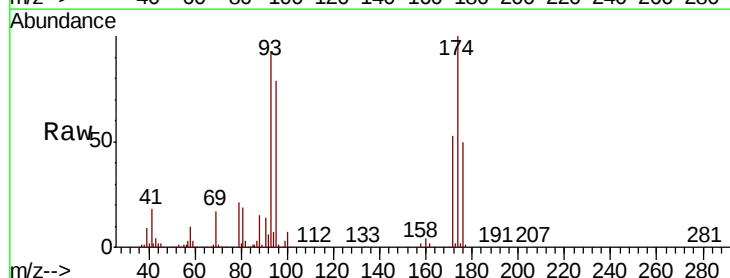
Tgt Ion: 93 Resp: 156565

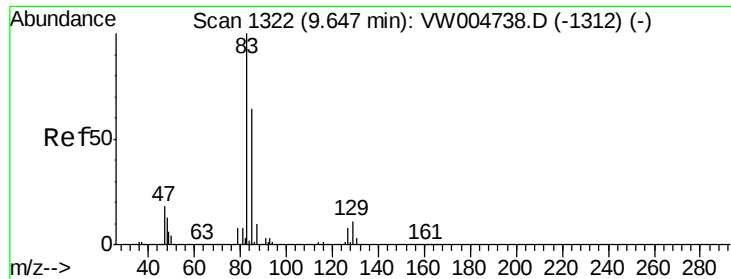
Ion Ratio Lower Upper

93 100

95 84.4 66.6 99.8

174 106.4 85.3 127.9





#47

Bromodichloromethane

Concen: 51.61 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

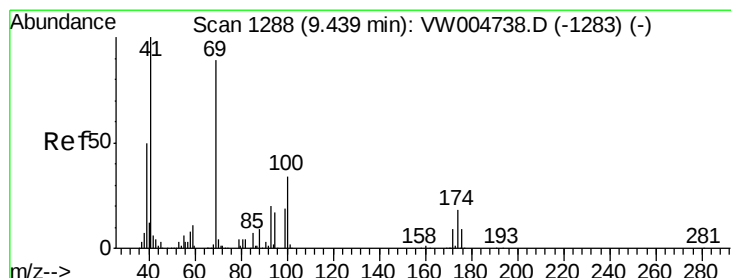
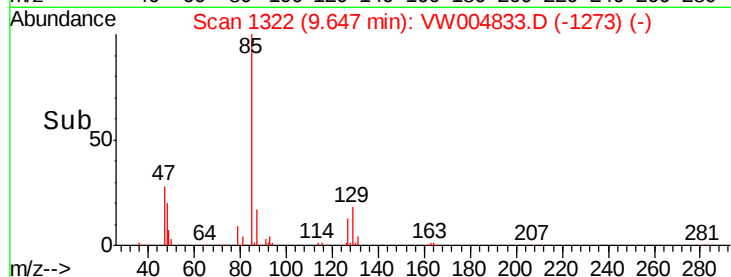
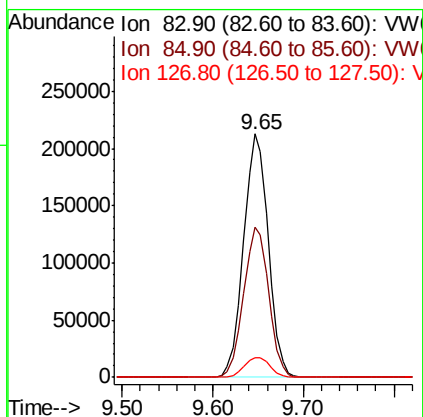
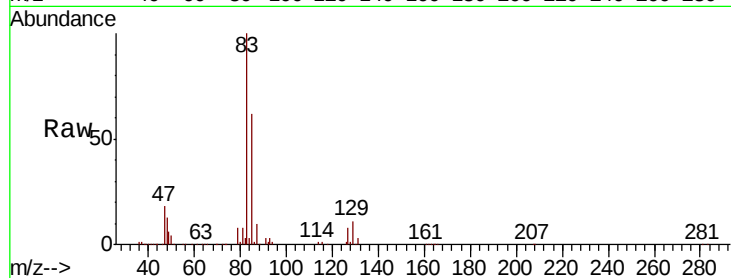
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	398749
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.2	76.8
127	8.2	6.7	10.1

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



#48

Methyl methacrylate

Concen: 50.65 ug/l

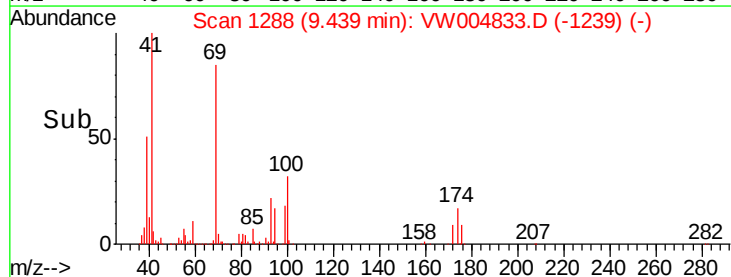
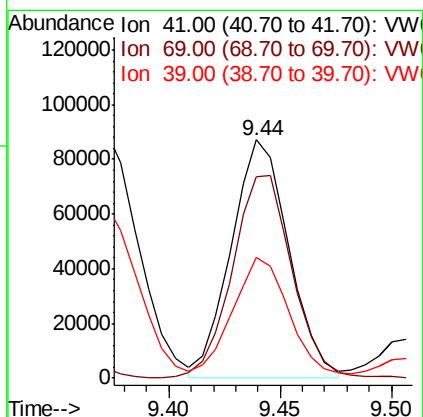
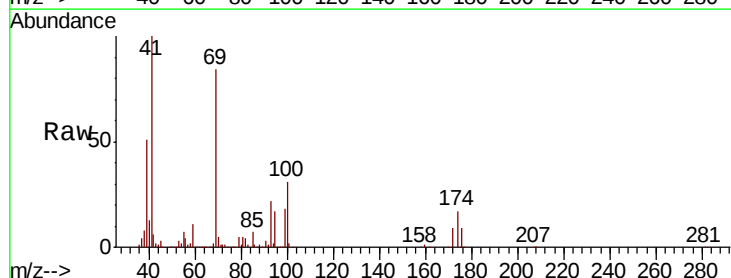
RT: 9.44 min Scan# 1288

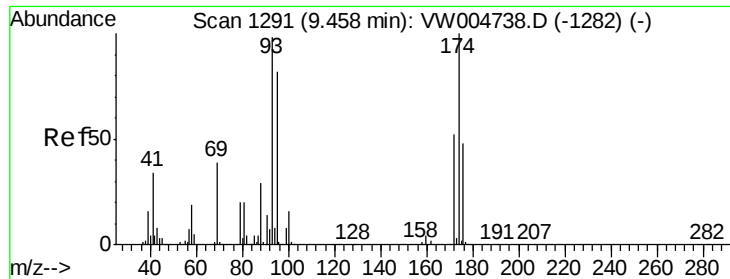
Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion:	41	Resp:	156323
Ion Ratio	Lower	Upper	
41	100		
69	88.6	75.2	112.8
39	46.7	39.8	59.6





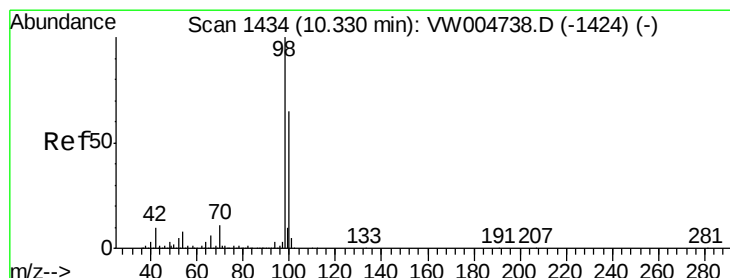
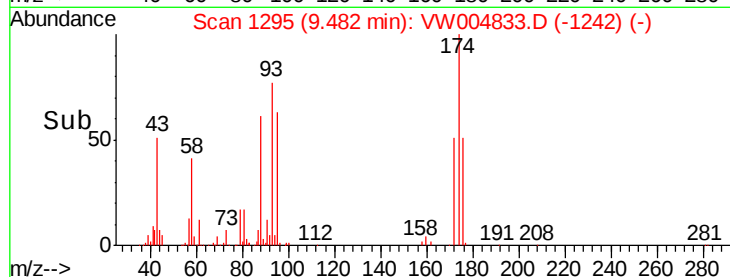
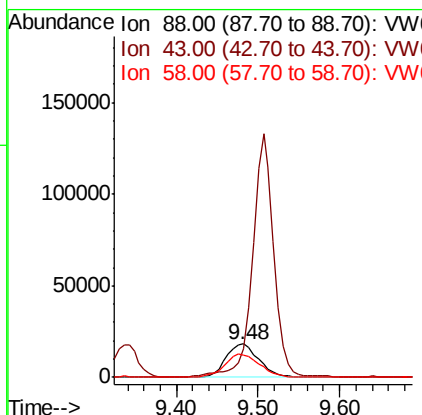
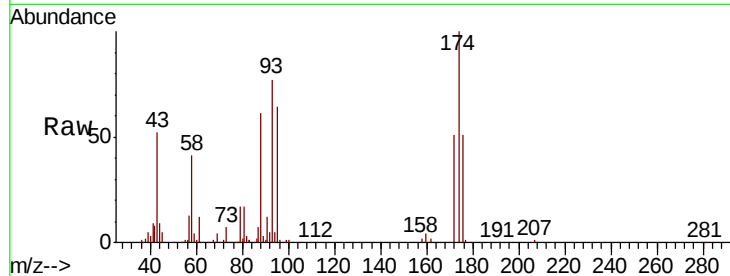
#49
1,4-Dioxane
Concen: 1082.15 ug/l
RT: 9.48 min Scan# 1295
Delta R.T. 0.02 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	22.9	34.3#
58	74.1	60.0	90.0

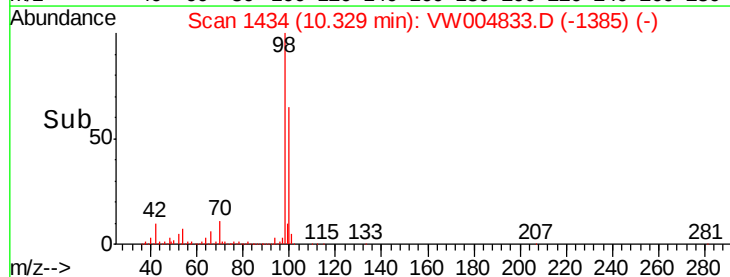
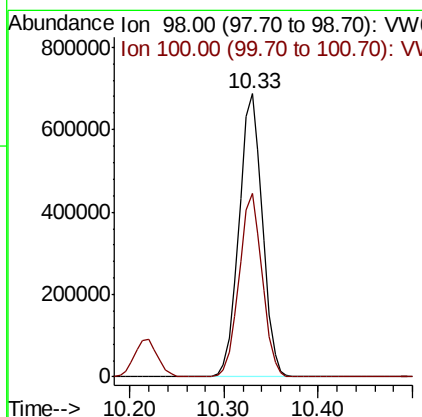
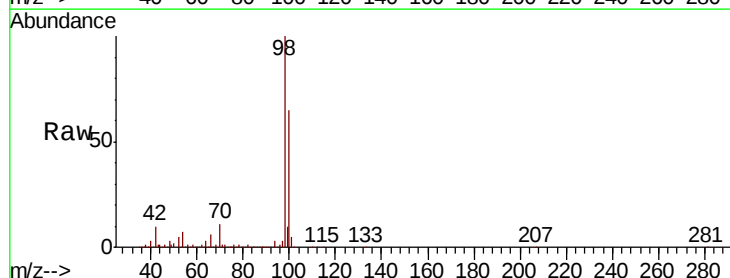
Manual Integrations
APPROVED

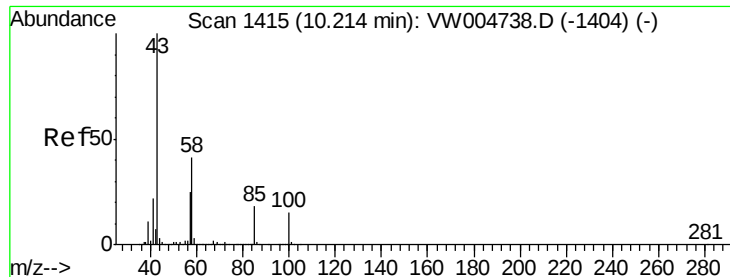
apatel
8/22/2018 11:06:43 AM



#50
Toluene-d8
Concen: 52.97 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 231.27 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1028057

Ion Ratio Lower Upper

43 100

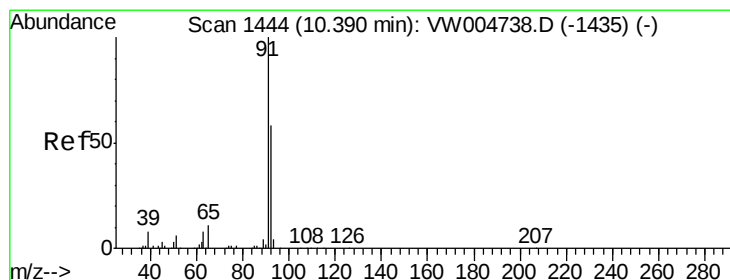
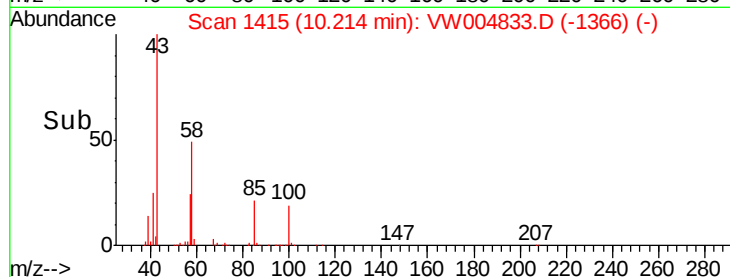
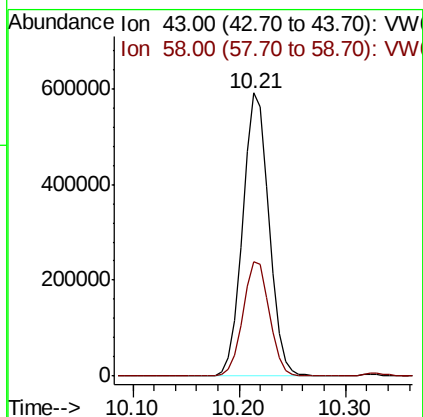
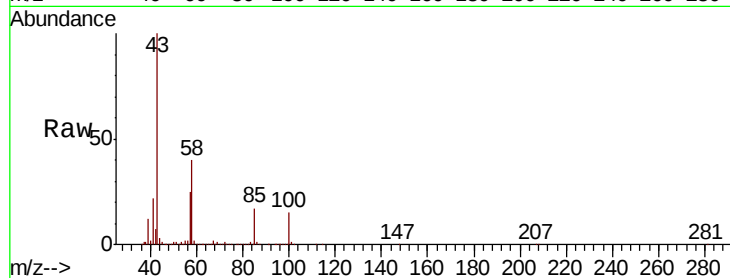
58 40.6 32.7 49.1

Manual Integrations

APPROVED

apatel

8/22/2018 11:06:43 AM



#52

Toluene

Concen: 54.27 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004833.D

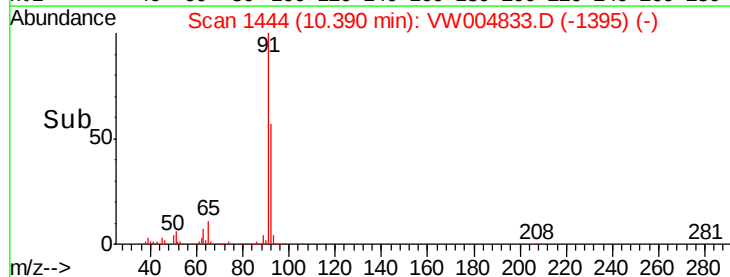
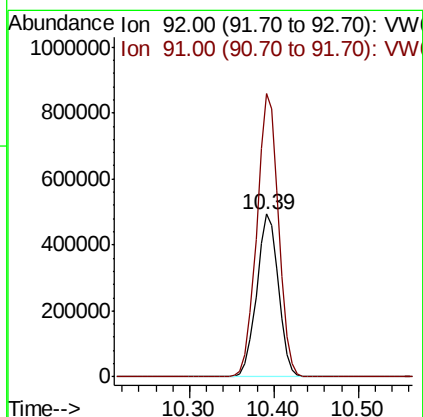
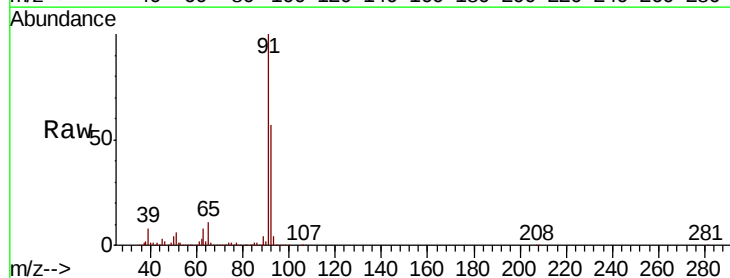
Acq: 21 Aug 2018 11:26

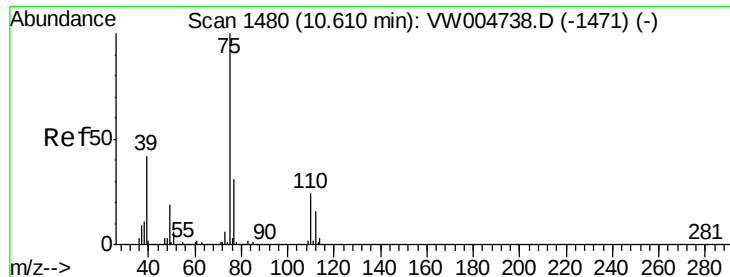
Tgt Ion: 92 Resp: 868943

Ion Ratio Lower Upper

92 100

91 173.1 138.3 207.5





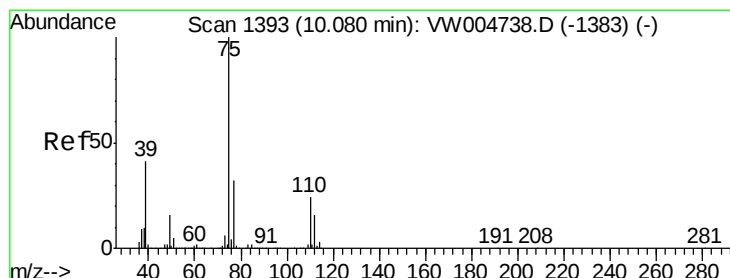
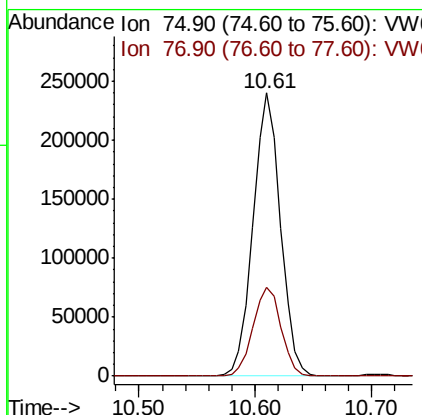
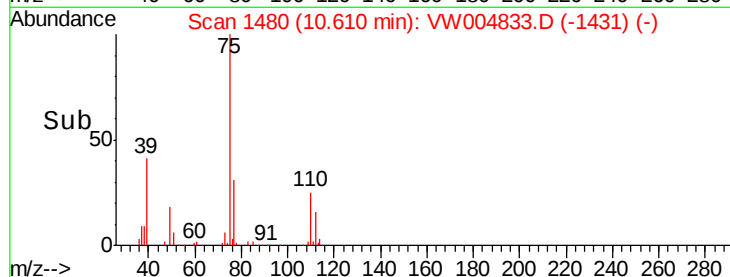
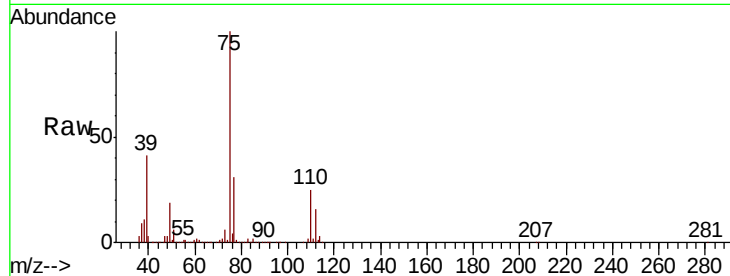
#53
t-1,3-Dichloropropene
Concen: 50.54 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	24.8	37.2

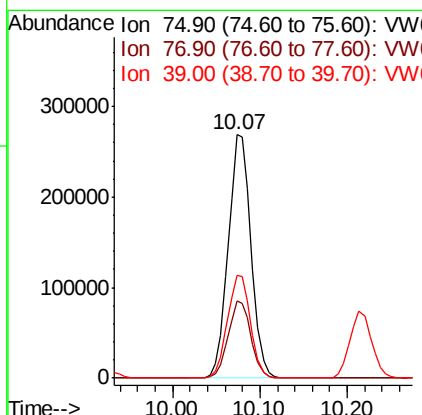
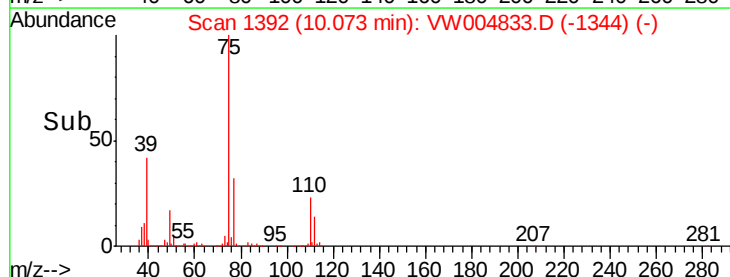
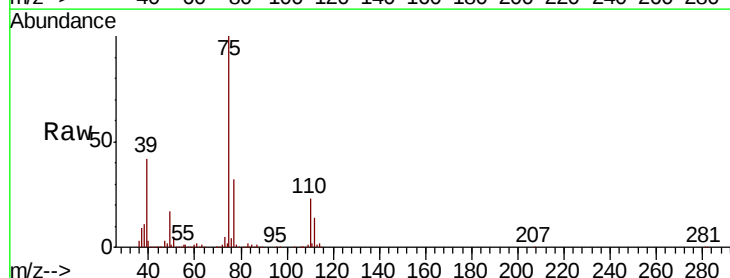
Manual Integrations
APPROVED

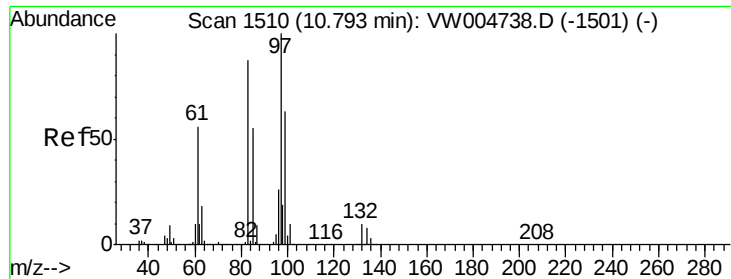
apatel
8/22/2018 11:06:43 AM



#54
cis-1,3-Dichloropropene
Concen: 52.34 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	42.3	33.0	49.4





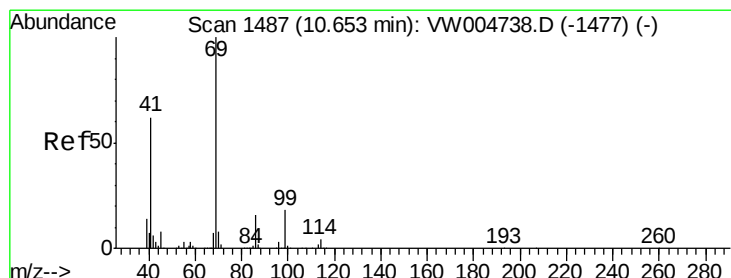
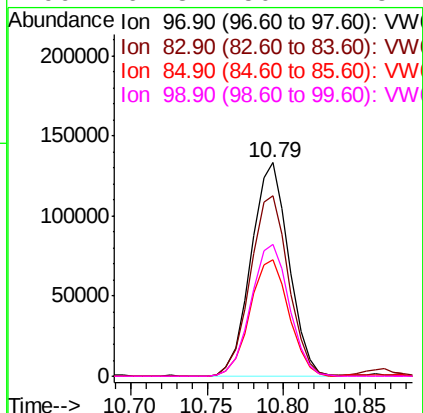
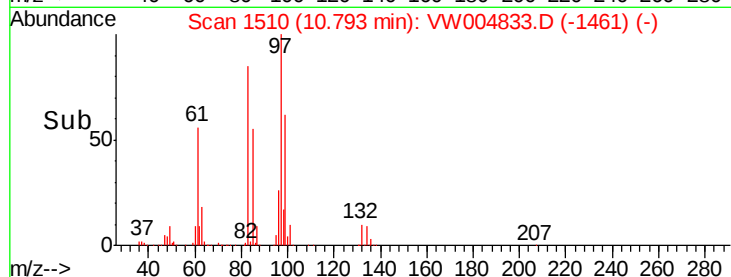
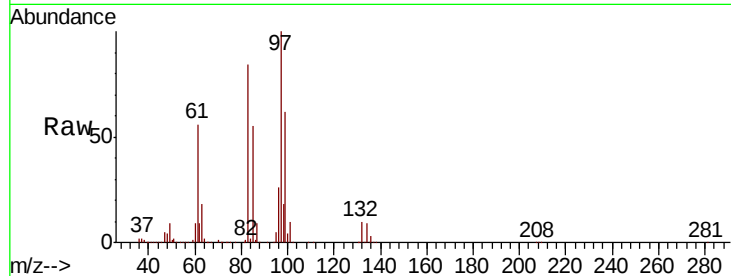
#55
 1,1,2-Trichloroethane
 Concen: 49.68 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		228448		
83	84.5	69.4	104.2		
85	54.7	44.3	66.5		
99	61.8	50.2	75.2		

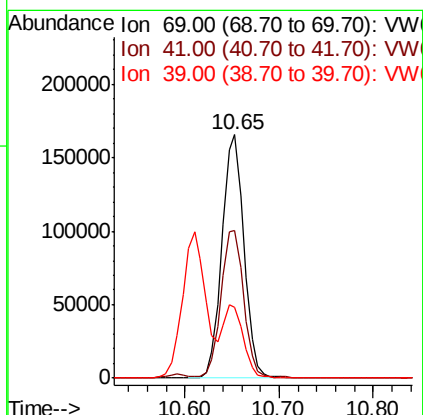
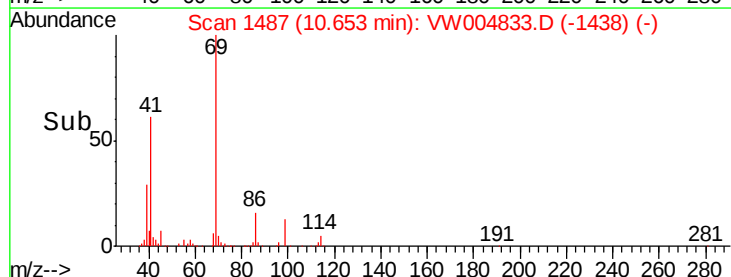
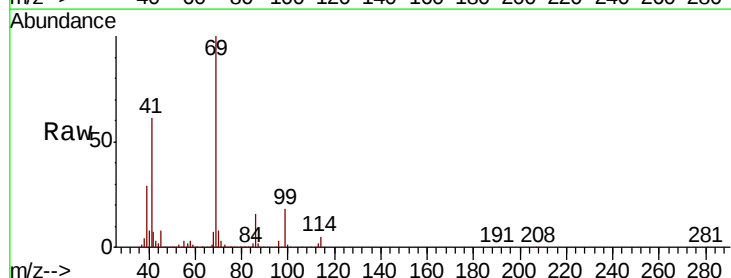
Manual Integrations
 APPROVED

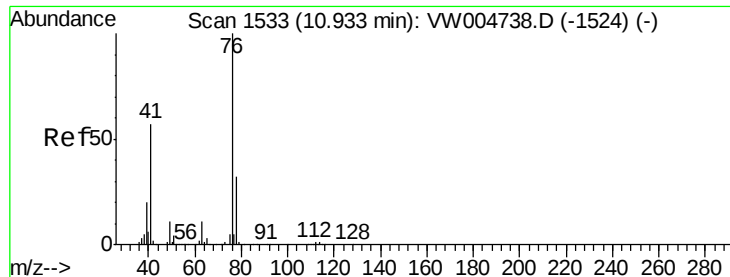
apatel
 8/22/2018 11:06:43 AM



#56
 Ethyl methacrylate
 Concen: 44.89 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		267715		
41	62.4	50.7	76.1		
39	27.4	21.4	32.2		





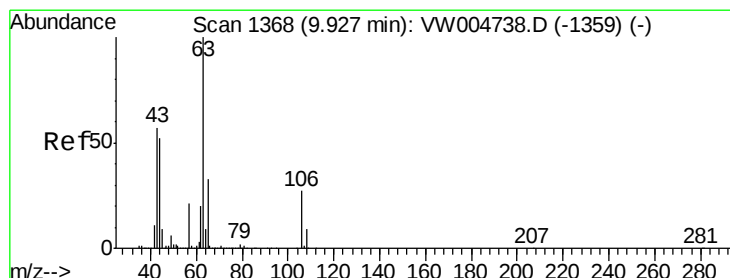
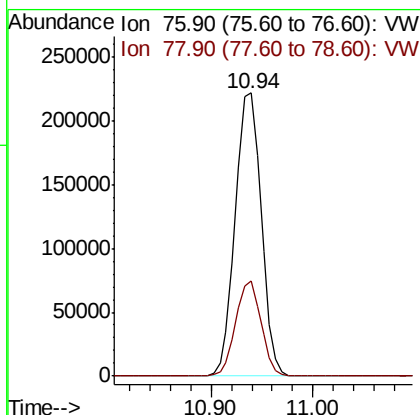
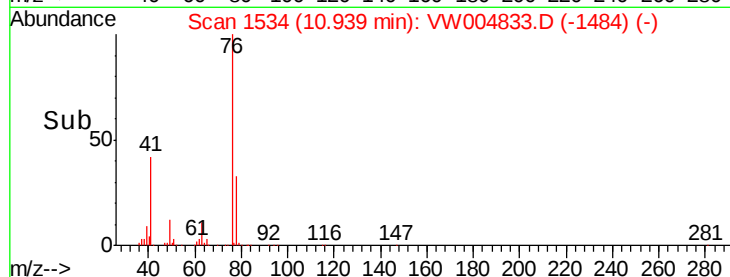
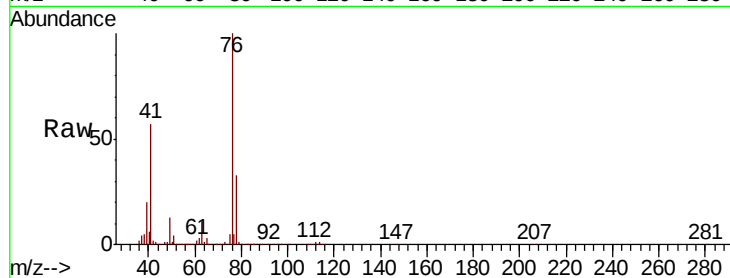
#57
 1,3-Dichloropropane
 Concen: 49.38 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.9	38.9

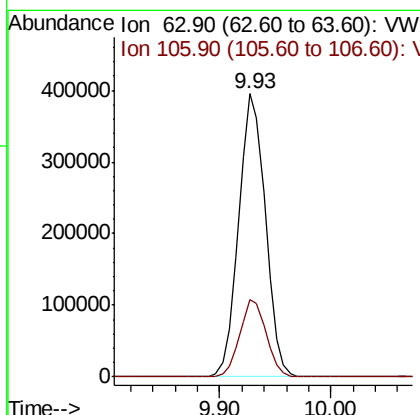
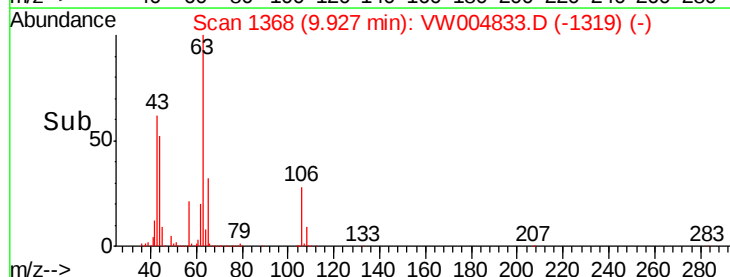
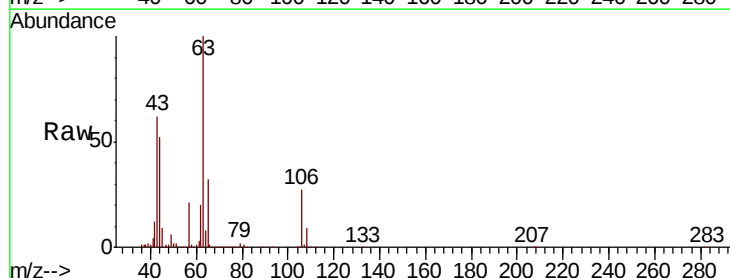
Manual Integrations
 APPROVED

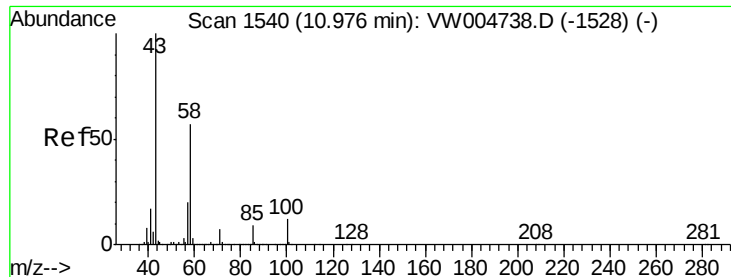
apatel
 8/22/2018 11:06:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.27 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	22.1	33.1





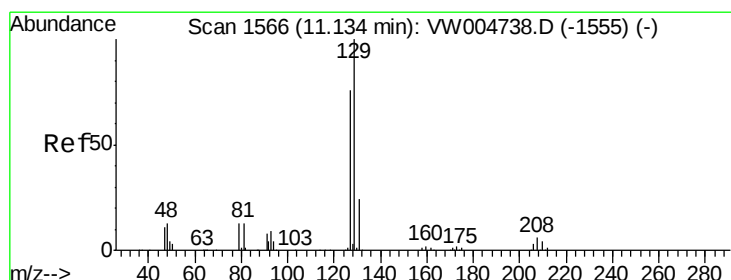
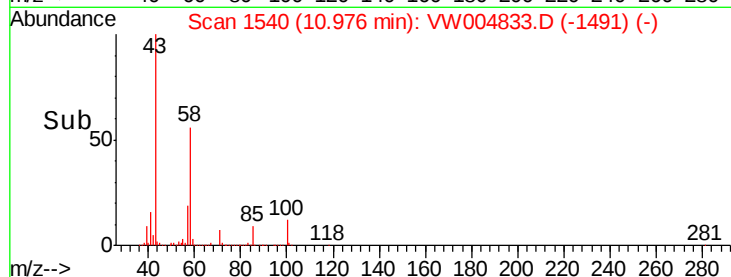
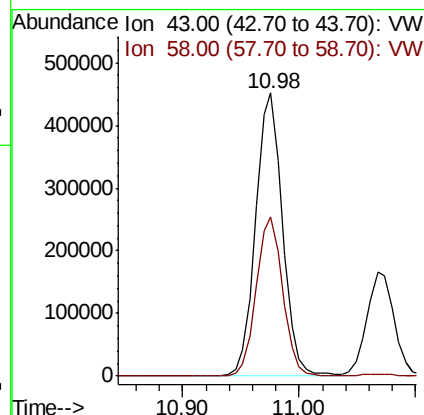
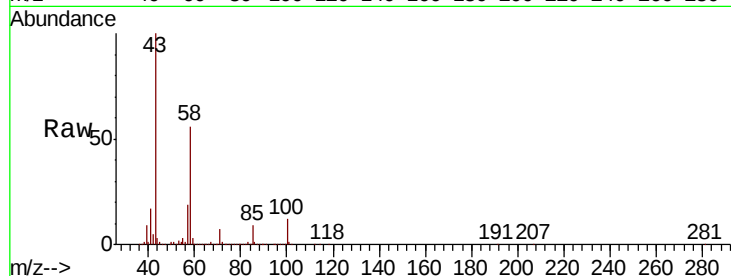
#59
2-Hexanone
Concen: 241.79 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	28.1	84.4

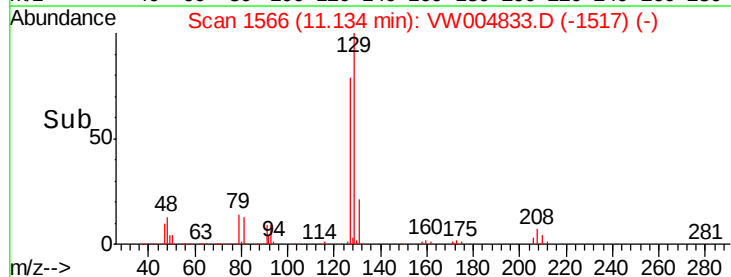
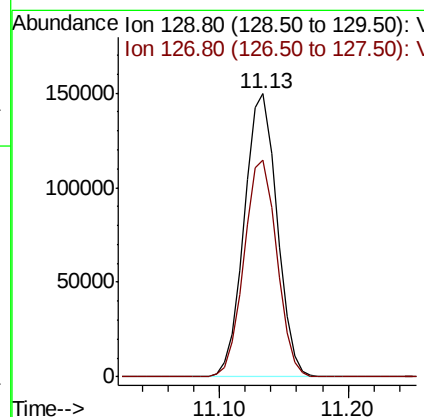
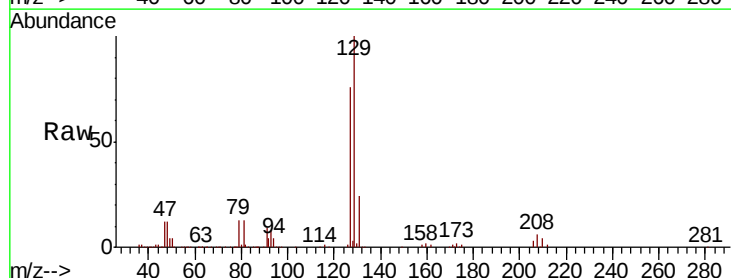
Manual Integrations
APPROVED

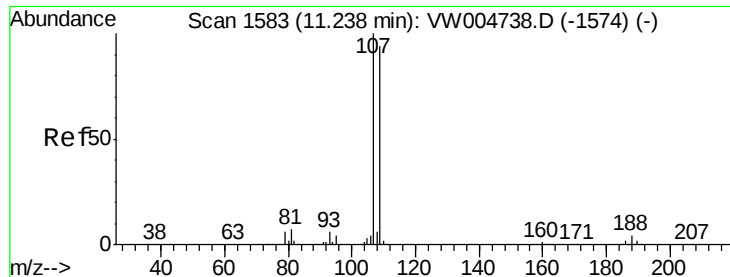
apatel
8/22/2018 11:06:43 AM



#60
Dibromochloromethane
Concen: 50.89 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.5





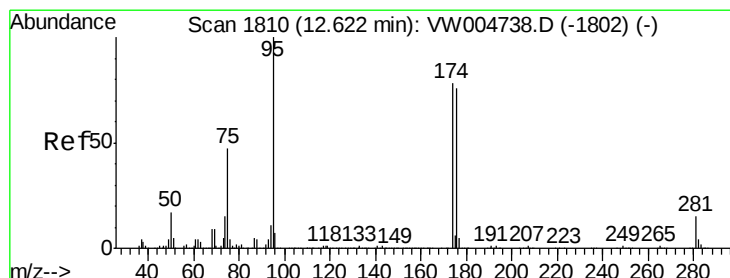
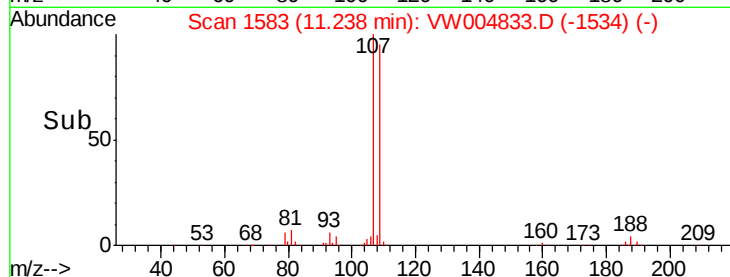
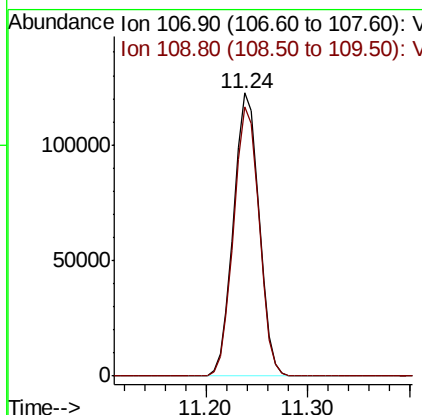
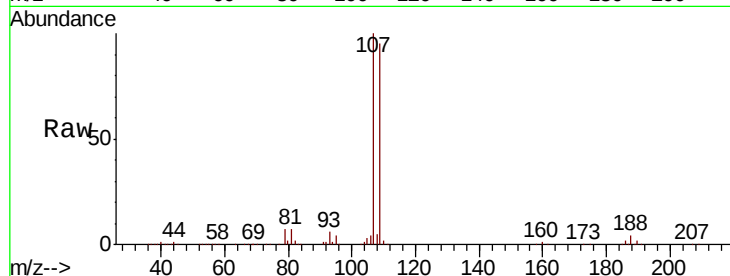
#61
 1,2-Dibromoethane
 Concen: 48.21 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	211912		
109	94.9	75.5	113.3	

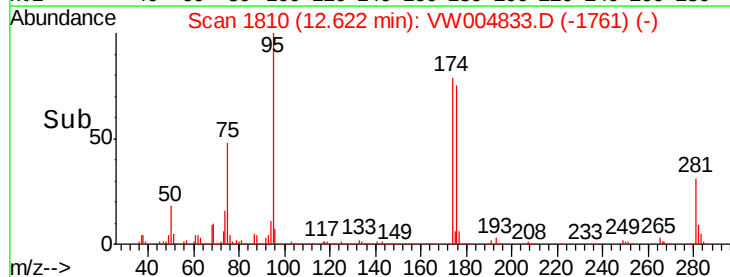
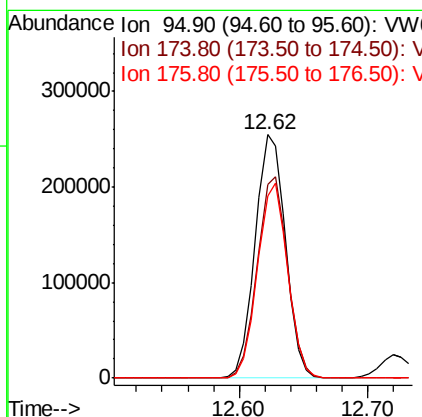
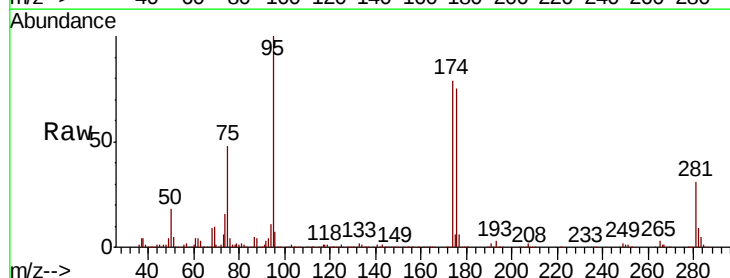
Manual Integrations
 APPROVED

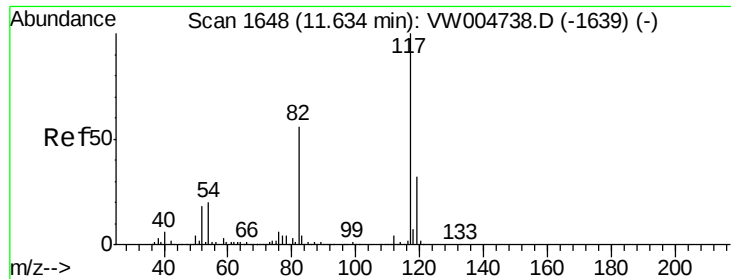
apatel
 8/22/2018 11:06:43 AM



#62
 4-Bromofluorobenzene
 Concen: 51.62 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	413164		
174	82.8	0.0	165.8	
176	79.5	0.0	159.8	





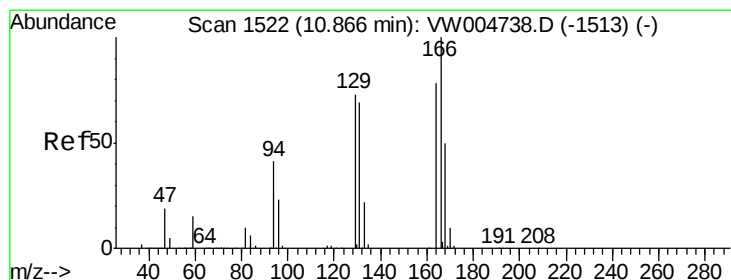
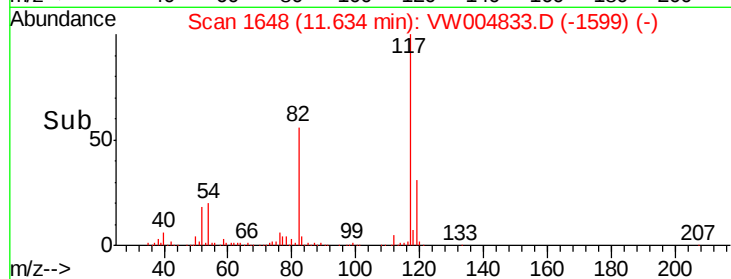
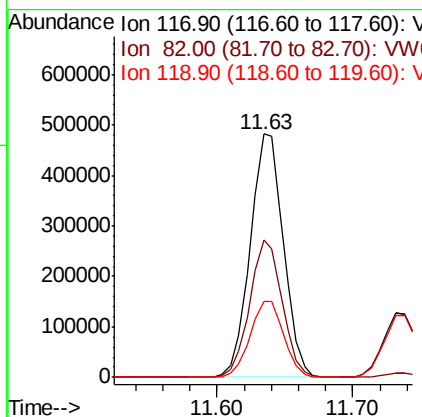
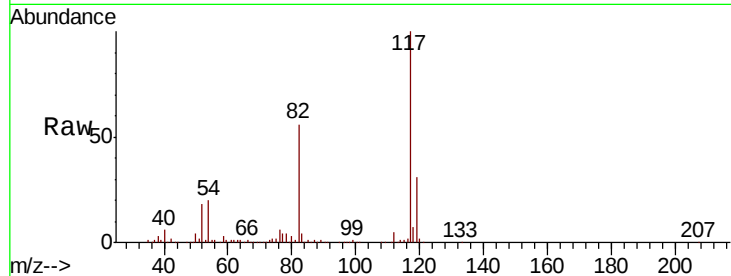
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	825222		
82	56.4		44.6	67.0
119	31.4		25.6	38.4

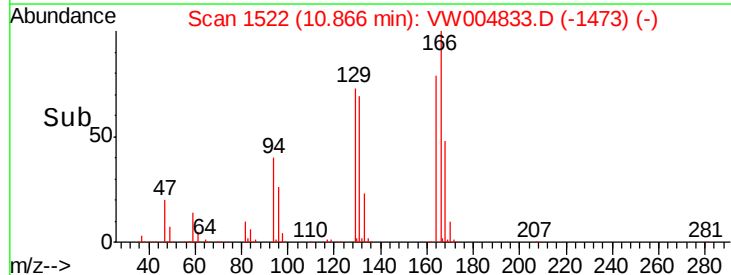
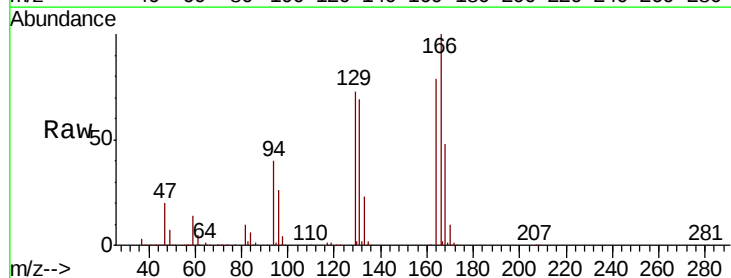
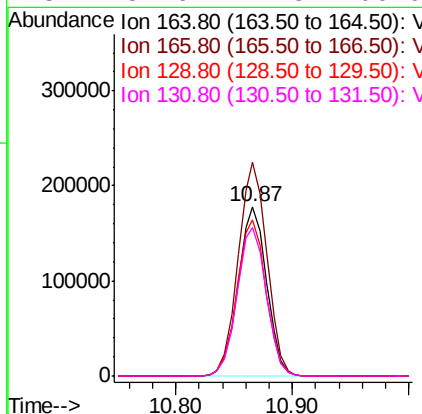
Manual Integrations
APPROVED

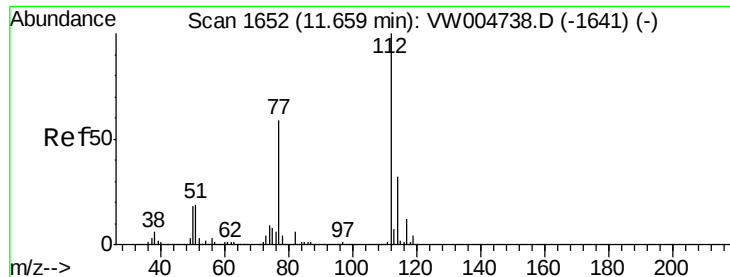
apatel
8/22/2018 11:06:43 AM



#64
Tetrachloroethene
Concen: 53.86 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	303767		
166	126.2		102.5	153.7
129	92.3		75.1	112.7
131	87.6		71.3	106.9





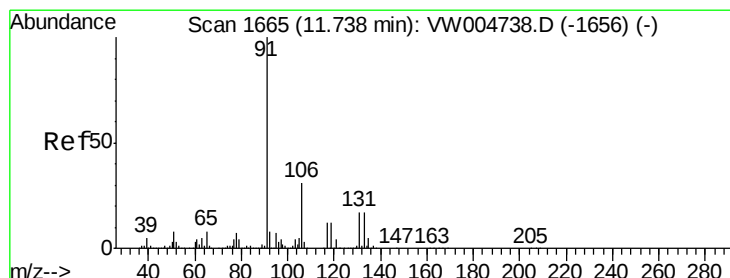
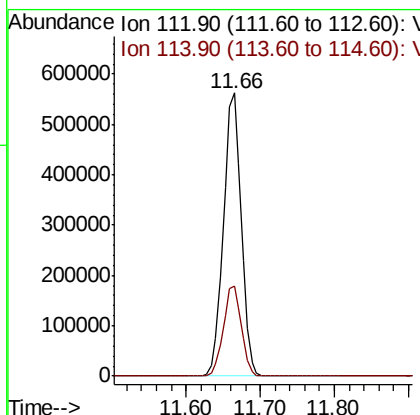
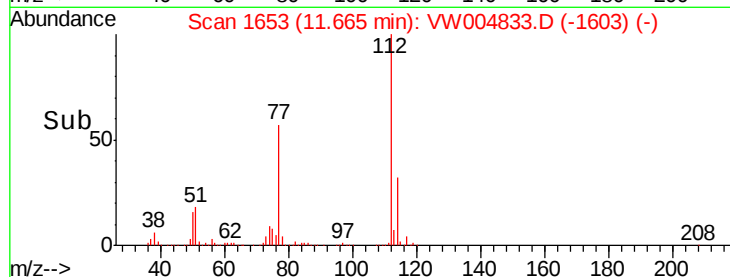
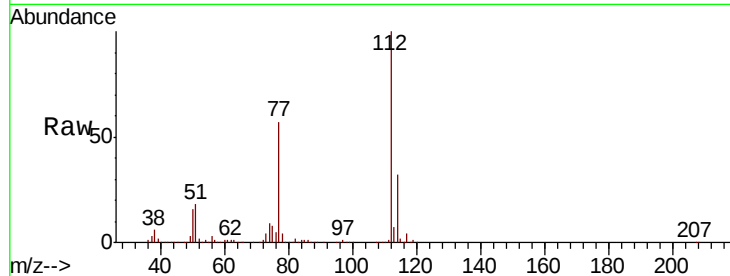
#65
Chlorobenzene
Concen: 52.67 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 935473
Ion Ratio Lower Upper
112 100
114 31.9 25.4 38.2

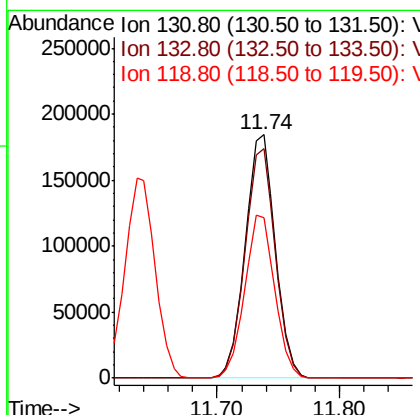
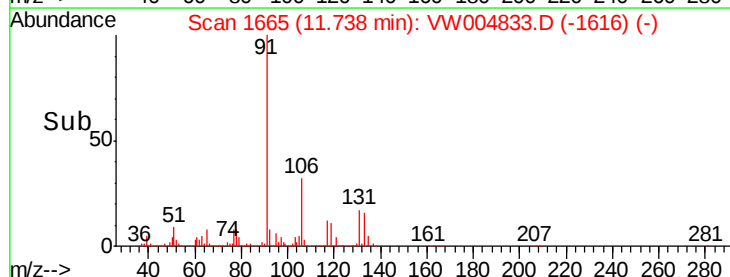
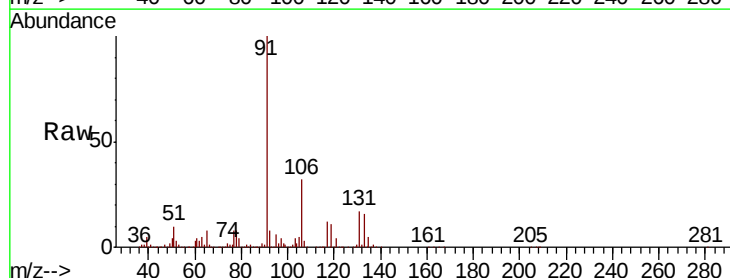
Manual Integrations
APPROVED

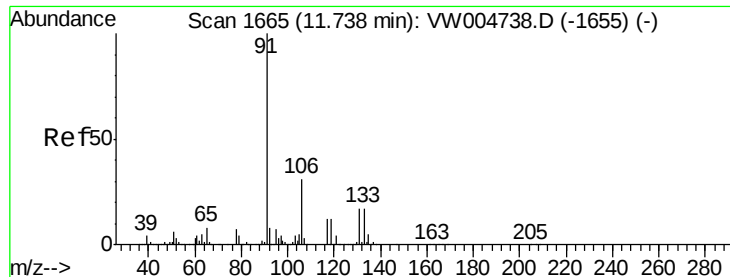
apatel
8/22/2018 11:06:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.56 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion:131 Resp: 315204
Ion Ratio Lower Upper
131 100
133 94.9 48.2 144.6
119 66.8 34.0 102.0





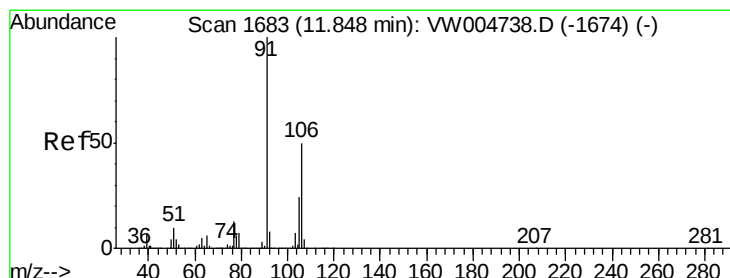
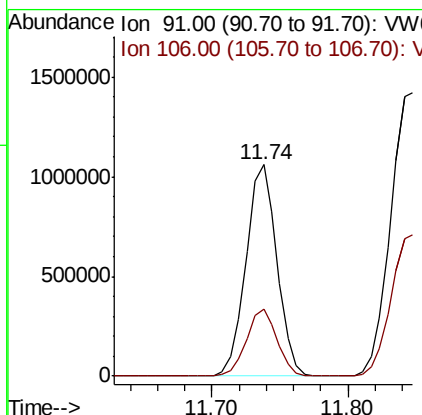
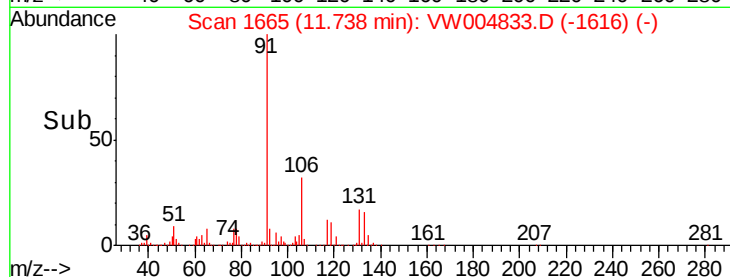
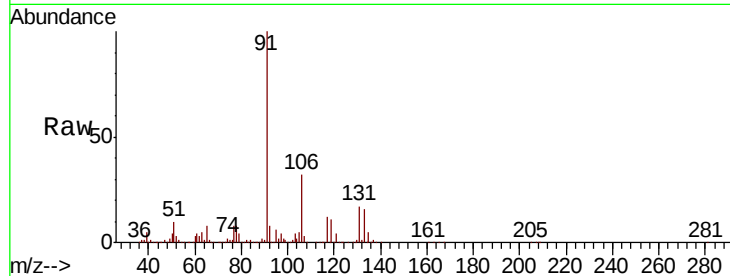
#67
Ethyl Benzene
Concen: 56.13 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1690125
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

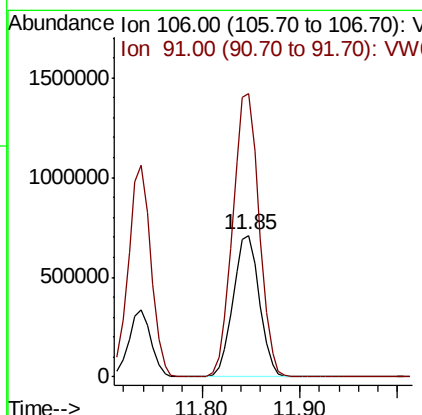
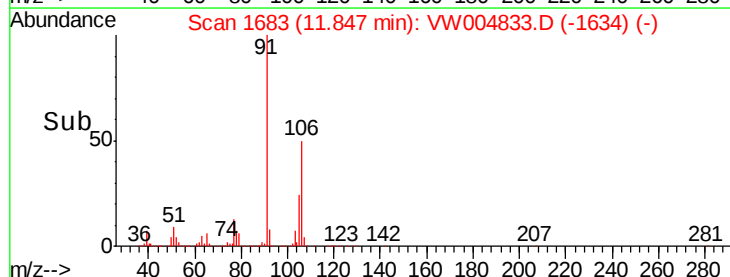
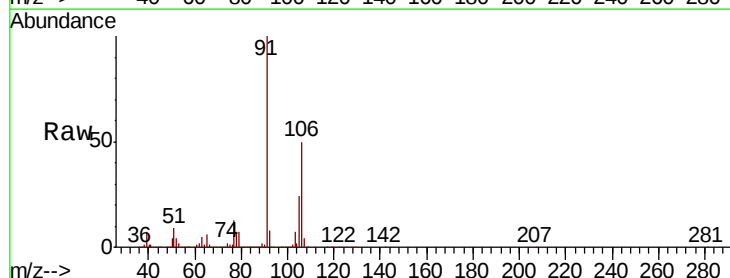
Manual Integrations
APPROVED

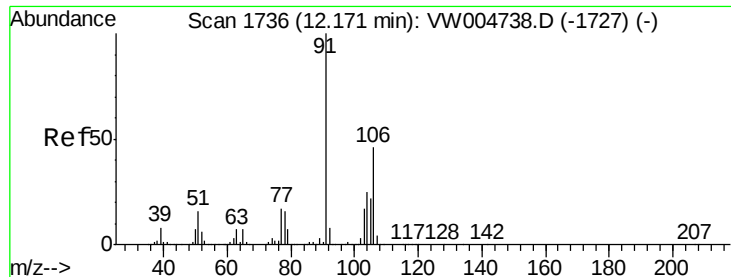
apatel
8/22/2018 11:06:43 AM



#68
m/p-Xylenes
Concen: 112.64 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 106 Resp: 1319569
Ion Ratio Lower Upper
106 100
91 201.5 159.9 239.9





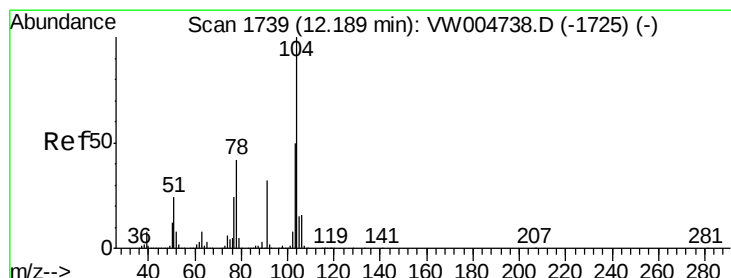
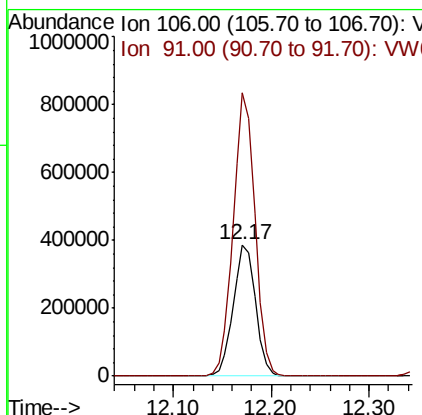
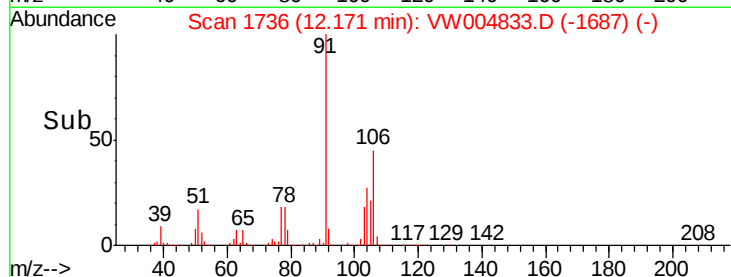
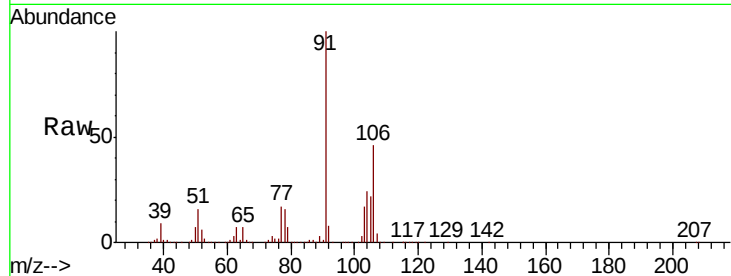
#69
o-Xylene
Concen: 56.39 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.7	107.3	321.8

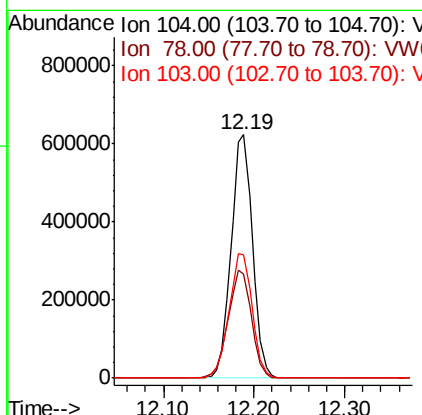
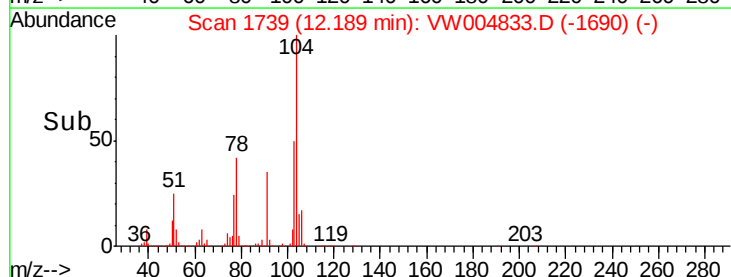
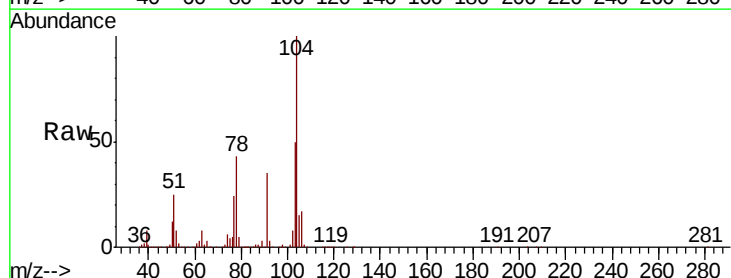
Manual Integrations
APPROVED

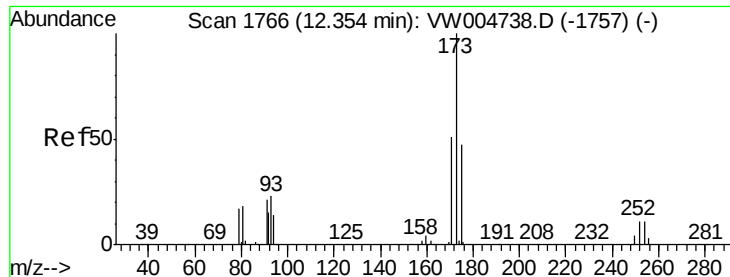
apatel
8/22/2018 11:06:43 AM



#70
Styrene
Concen: 55.99 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	38.4	57.6
103	55.2	44.1	66.1





#71

Bromoform

Concen: 47.90 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

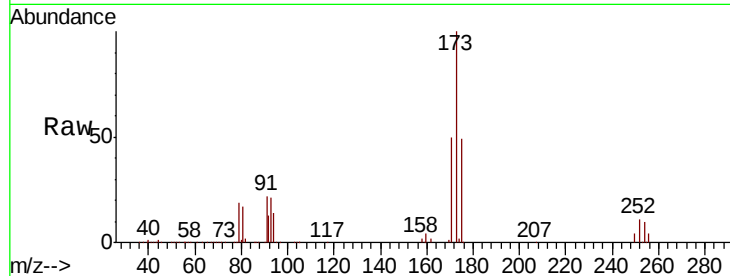
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	23.8	71.4
254	0.1	0.1	0.1

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM

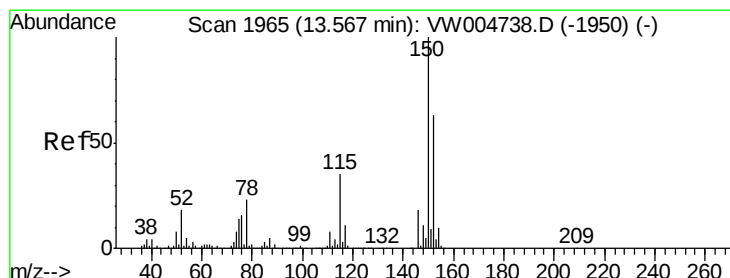
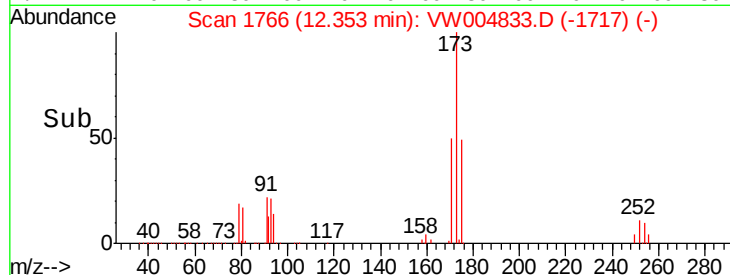
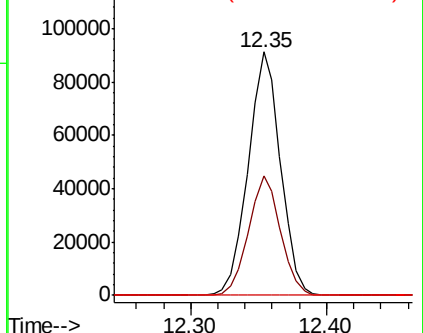


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

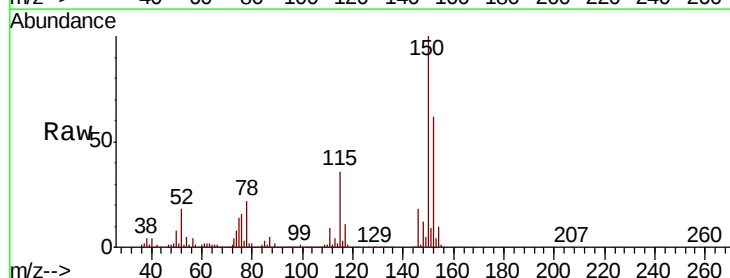
RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.5	85.5
150	176.5	0.0	344.8

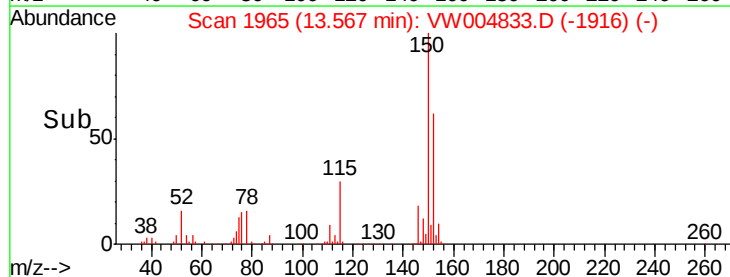
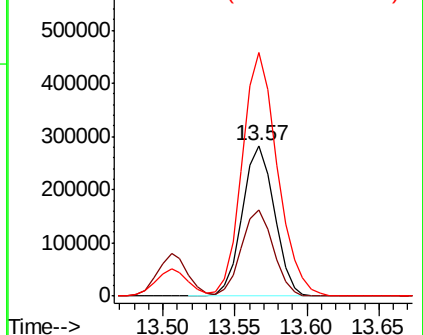


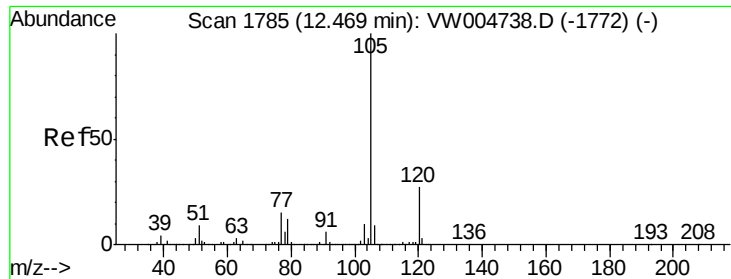
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 57.89 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1727839

Ion Ratio Lower Upper

105 100

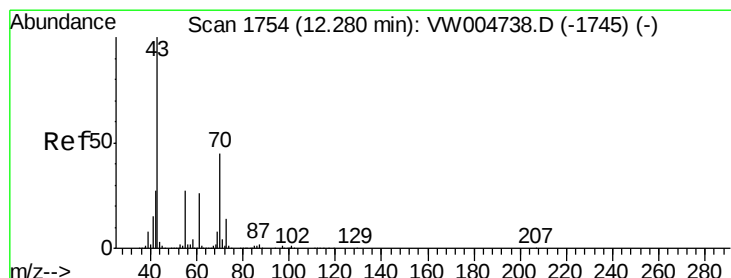
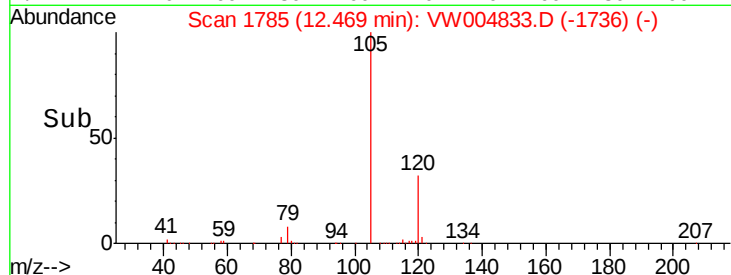
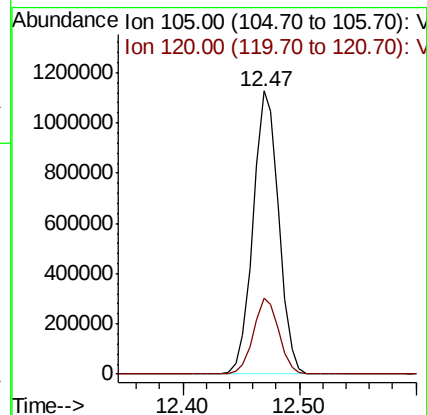
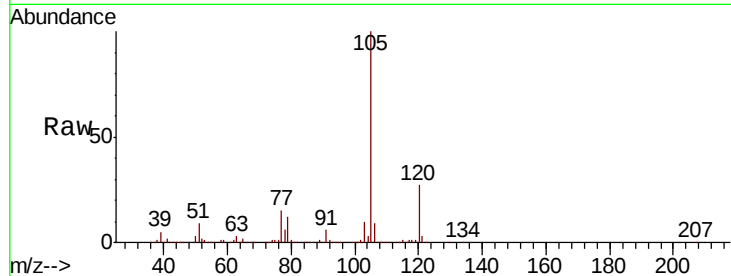
120 26.4 13.3 39.9

Manual Integrations

APPROVED

apatel

8/22/2018 11:06:43 AM



#74

N-ethyl acetate

Concen: 42.61 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion: 43 Resp: 293318

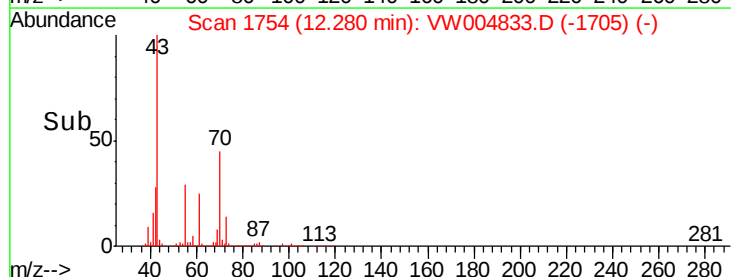
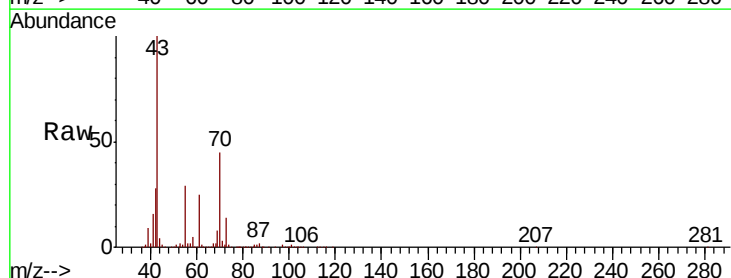
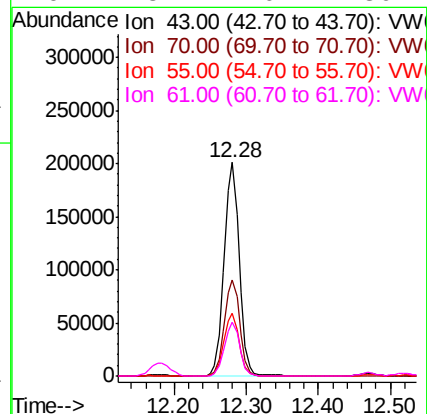
Ion Ratio Lower Upper

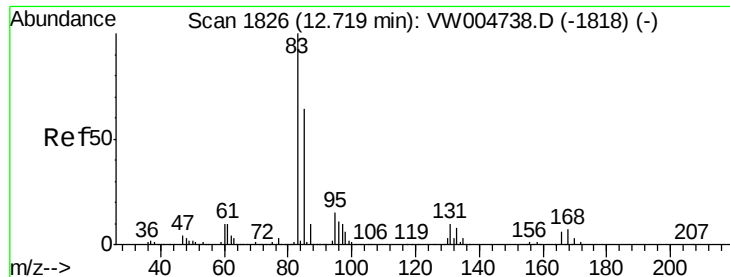
43 100

70 46.1 36.3 54.5

55 29.6 22.6 33.8

61 25.2 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.43 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

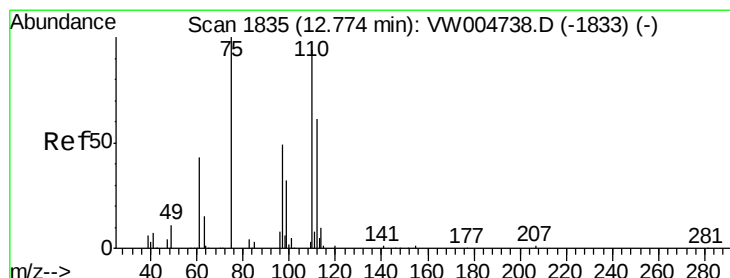
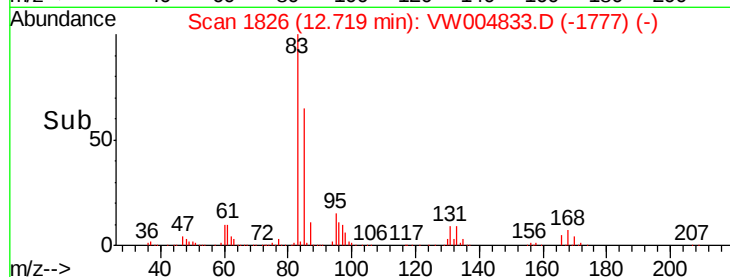
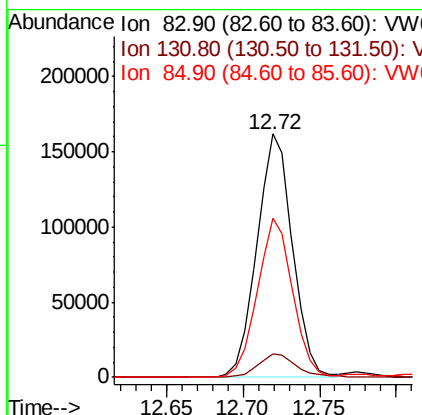
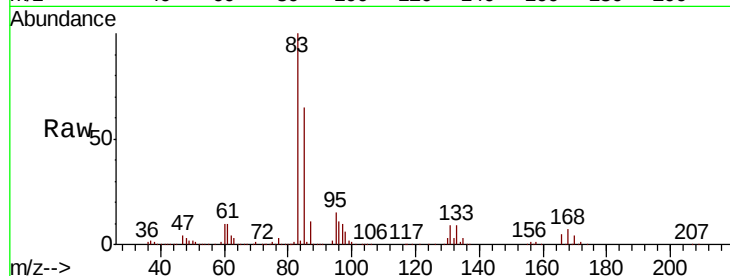
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	262263
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.8
85	64.6	31.9	95.9

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



#76

1,2,3-Trichloropropane

Concen: 46.31 ug/l m

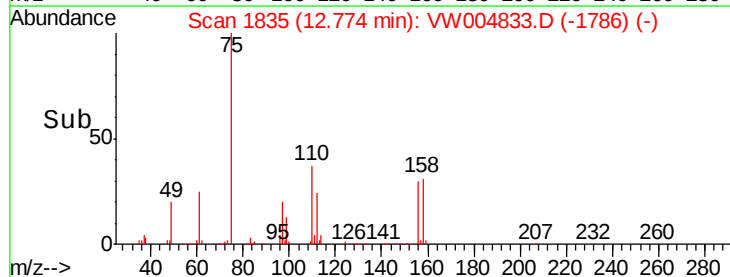
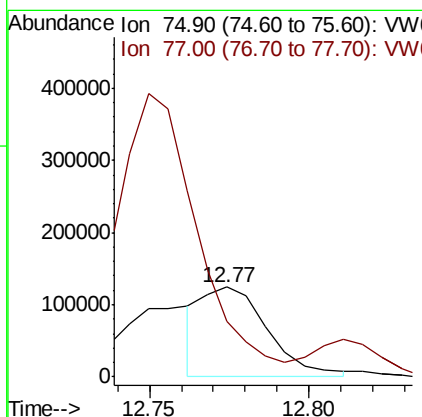
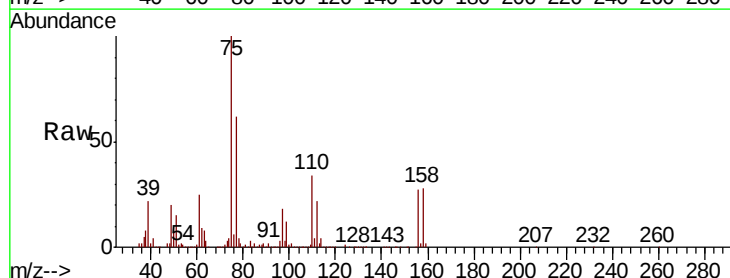
RT: 12.77 min Scan# 1835

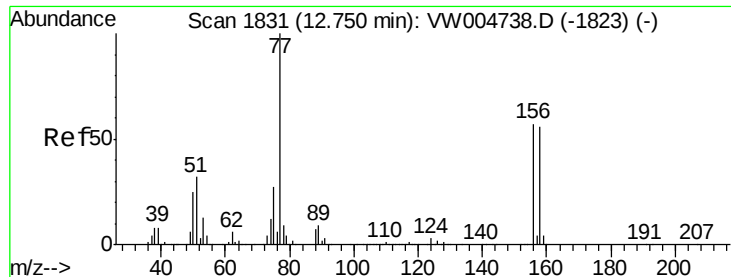
Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion:	75	Resp:	179085
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.47 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

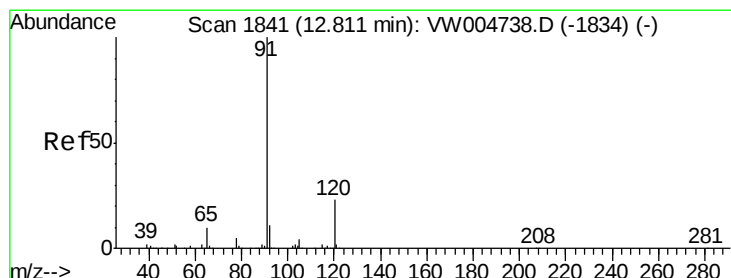
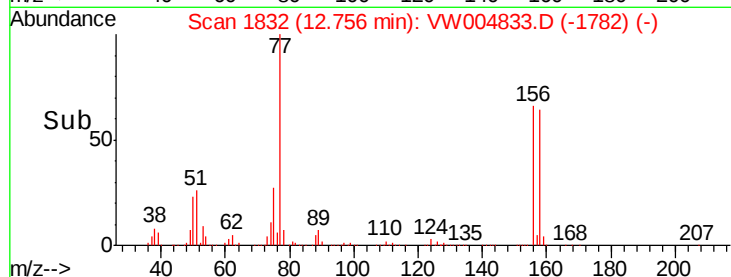
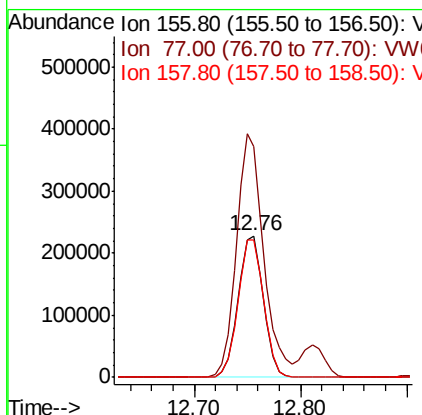
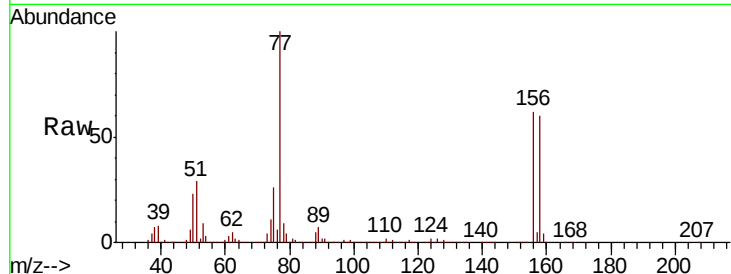
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	379057
Ion Ratio	Lower	Upper	
156	100		
77	185.3	94.2	282.4
158	98.6	48.6	145.9

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



#78

n-propylbenzene

Concen: 58.04 ug/l

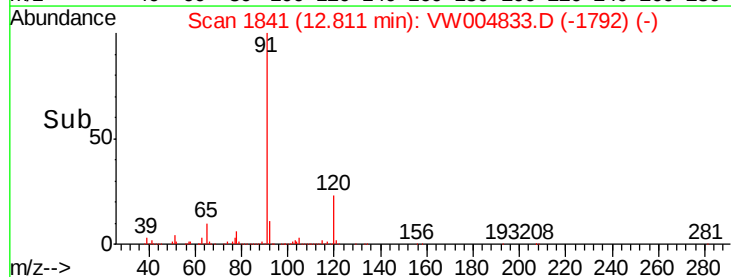
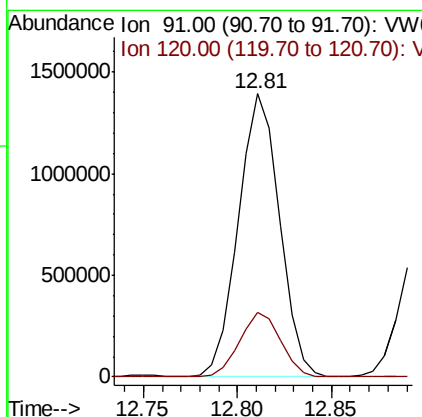
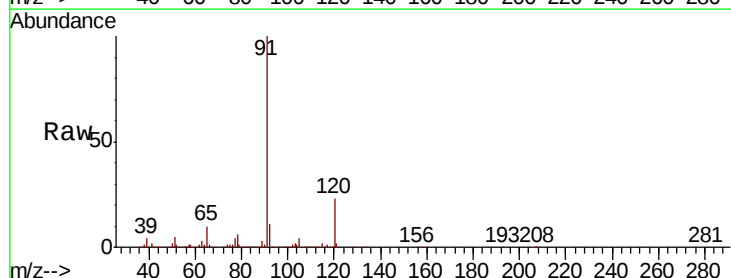
RT: 12.81 min Scan# 1841

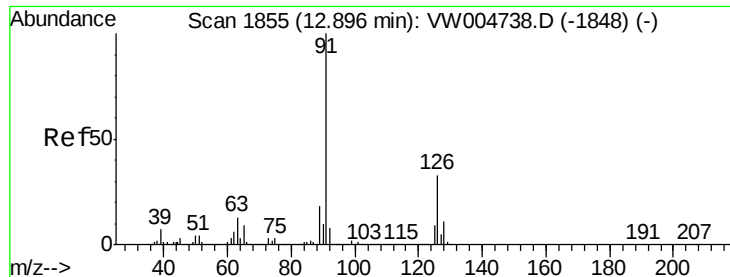
Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Tgt Ion:	91	Resp:	2113854
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.4	34.2





#79

2-Chlorotoluene

Concen: 55.61 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1167466

Ion Ratio Lower Upper

91 100

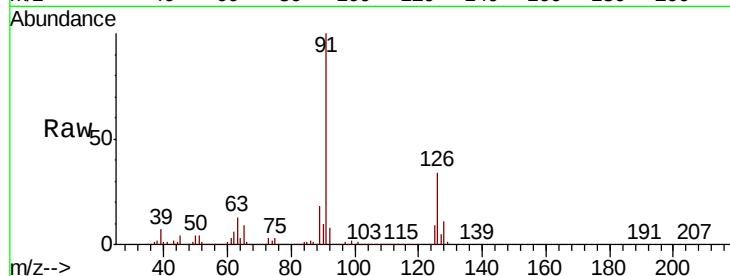
126 33.9 17.0 51.0

Manual Integrations

APPROVED

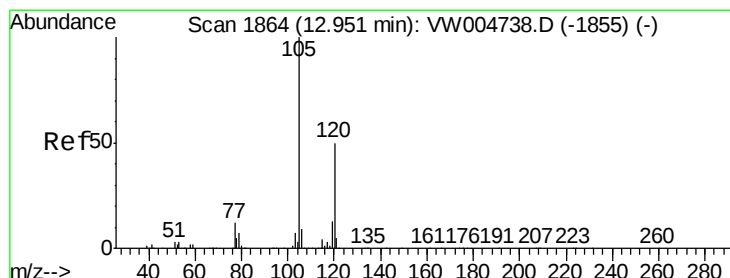
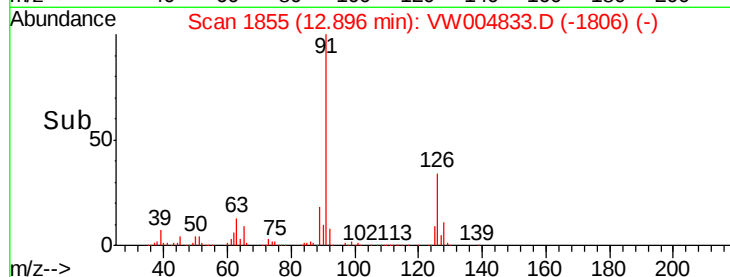
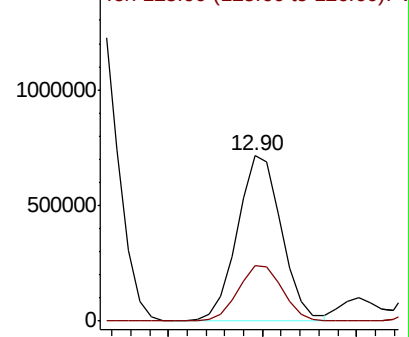
apatel

8/22/2018 11:06:43 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.71 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004833.D

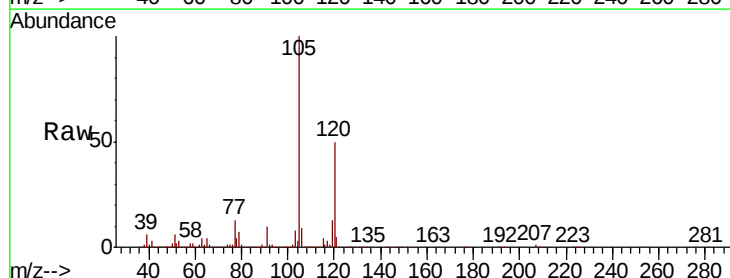
Acq: 21 Aug 2018 11:26

Tgt Ion: 105 Resp: 1463399

Ion Ratio Lower Upper

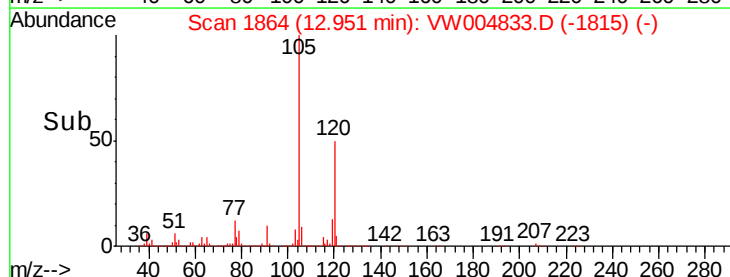
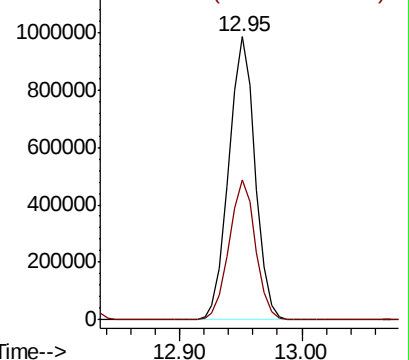
105 100

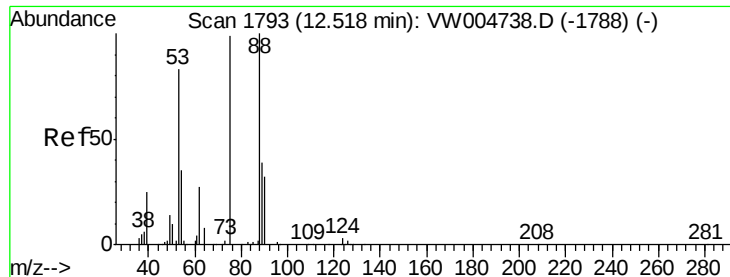
120 49.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





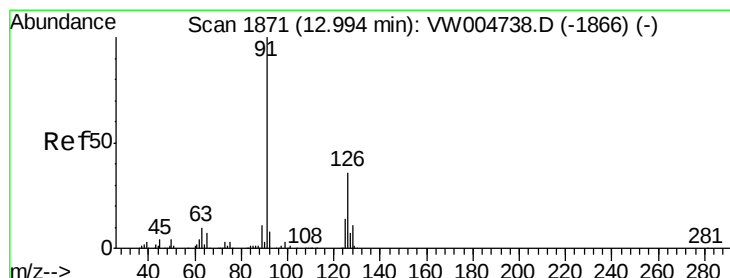
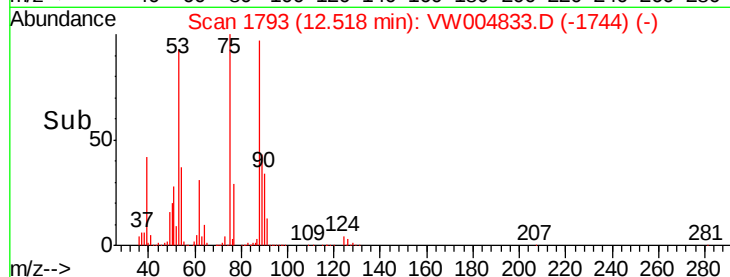
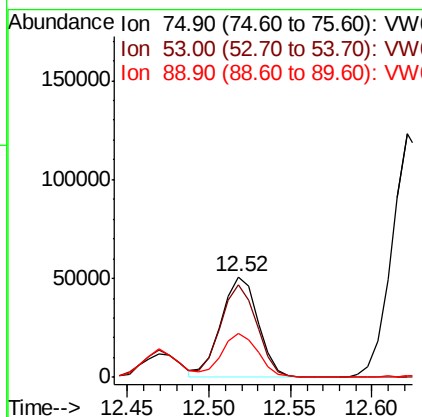
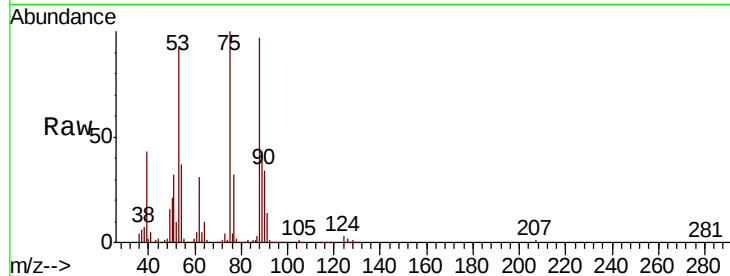
#81
trans-1,4-Dichloro-2-butene
Concen: 48.01 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.1	72.2	108.4
89	43.3	35.2	52.8

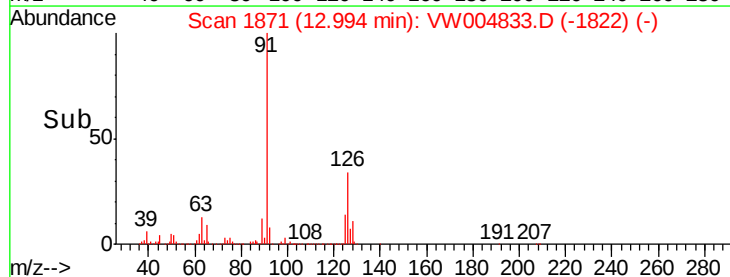
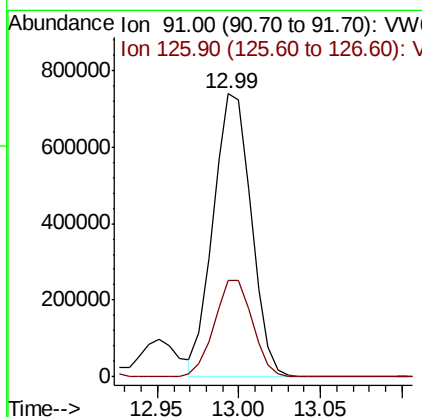
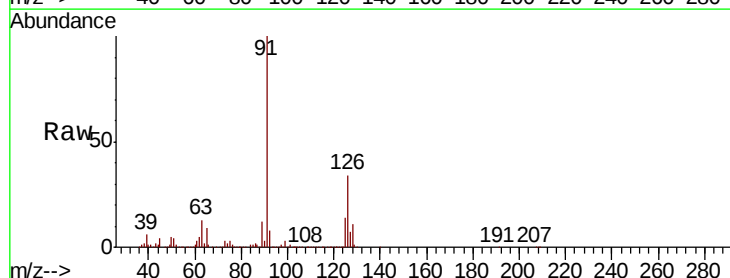
Manual Integrations
APPROVED

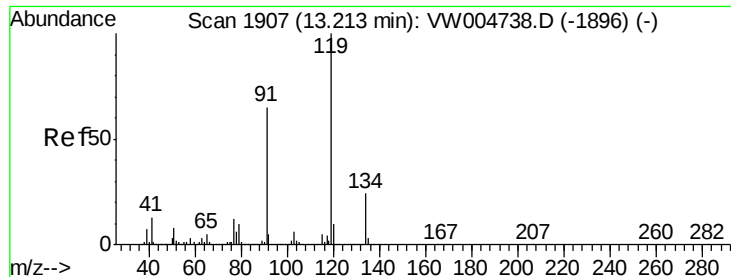
apatel
8/22/2018 11:06:43 AM



#82
4-Chlorotoluene
Concen: 53.66 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.9	50.7





#83

tert-Butylbenzene

Concen: 57.67 ug/l

RT: 13.21 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VW004833.D

Acq: 21 Aug 2018 11:26

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion:119 Resp: 1250843

Ion Ratio Lower Upper

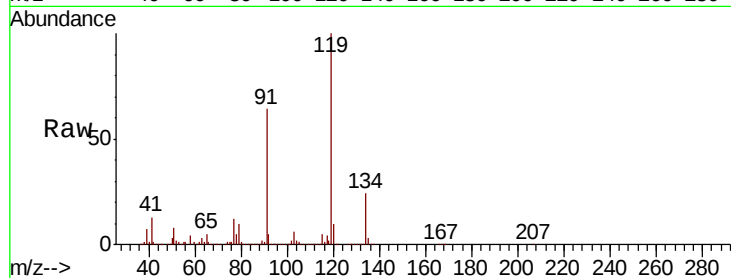
119 100

91 64.6 32.6 97.8

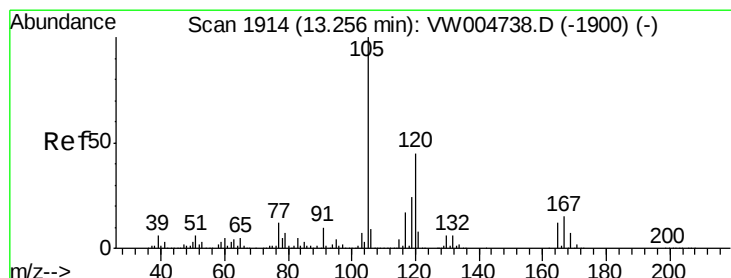
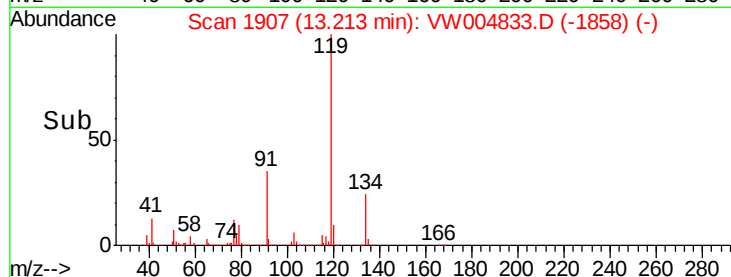
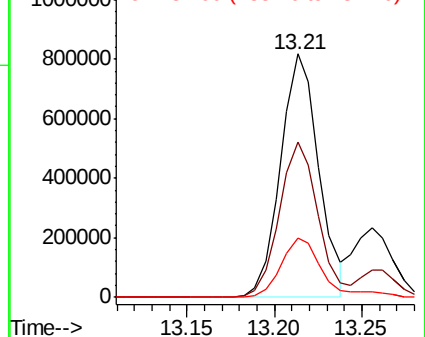
134 26.6 13.1 39.3

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.68 ug/l

RT: 13.26 min Scan# 1915

Delta R.T. 0.01 min

Lab File: VW004833.D

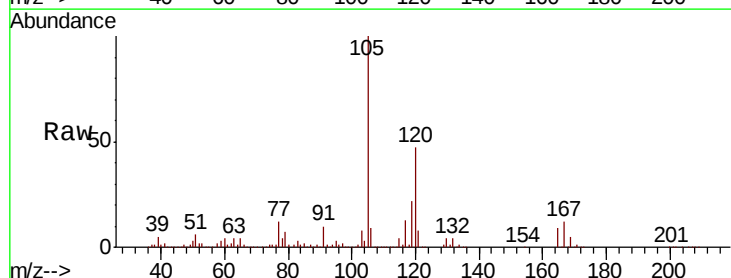
Acq: 21 Aug 2018 11:26

Tgt Ion:105 Resp: 1478728

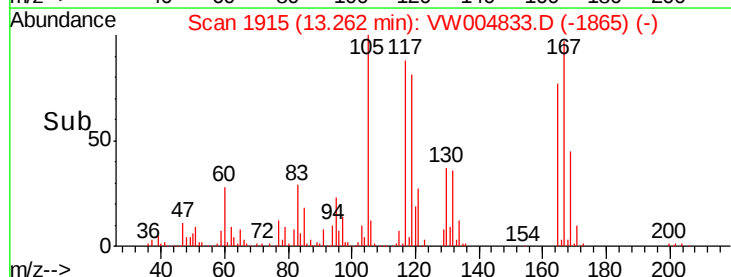
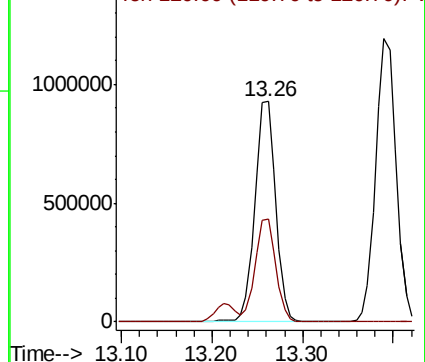
Ion Ratio Lower Upper

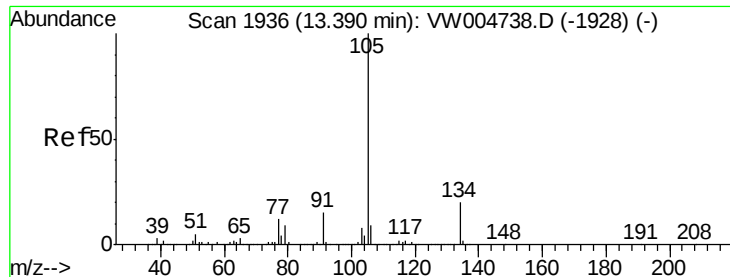
105 100

120 46.0 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





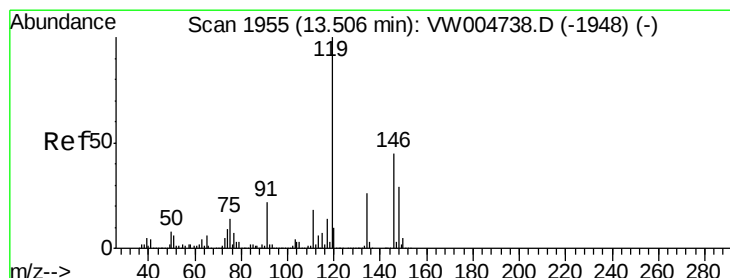
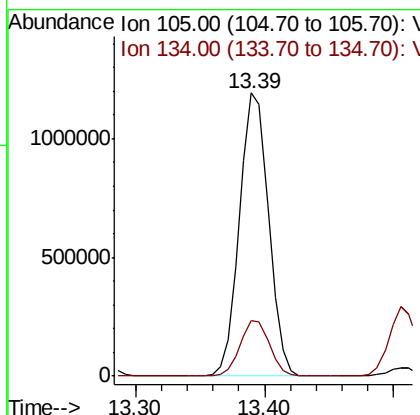
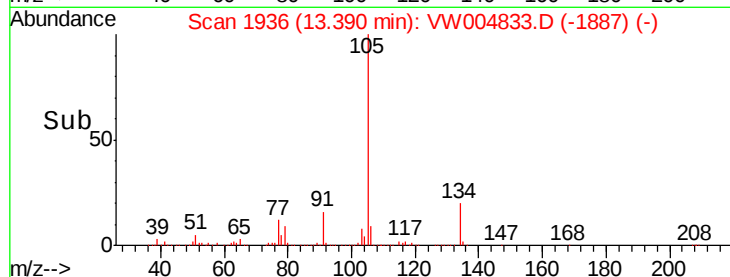
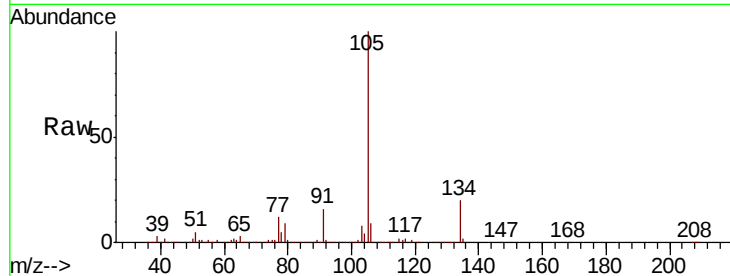
#85
 sec-Butylbenzene
 Concen: 57.62 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1865695
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.0 29.8

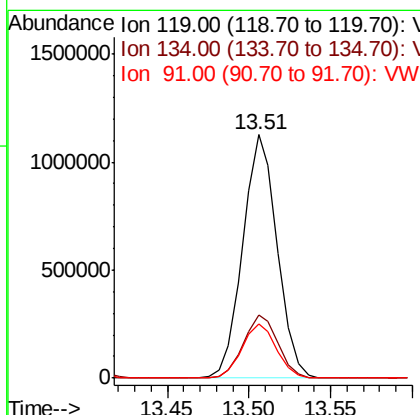
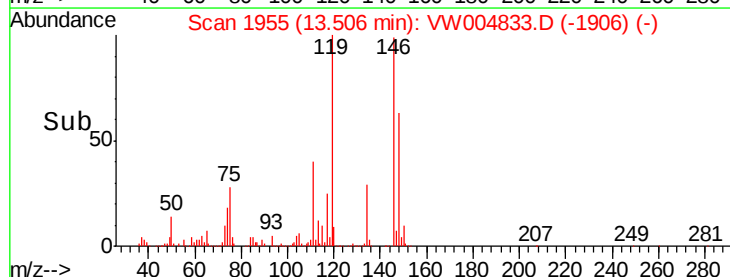
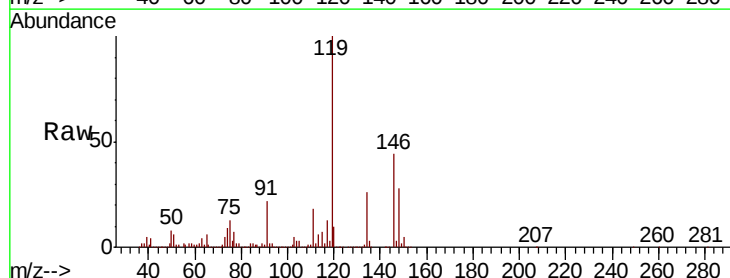
Manual Integrations
 APPROVED

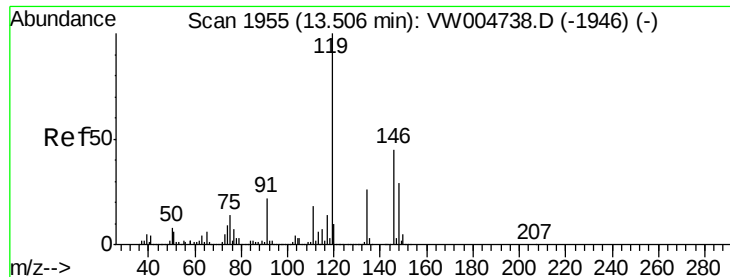
apatel
 8/22/2018 11:06:43 AM



#86
 p-Isopropyltoluene
 Concen: 58.34 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion:119 Resp: 1643863
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 22.2 11.2 33.5





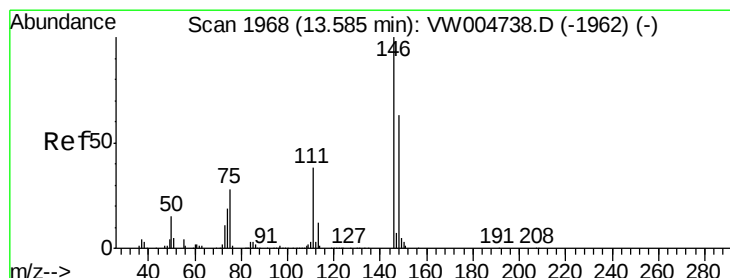
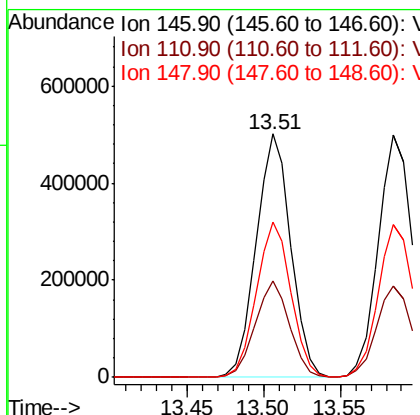
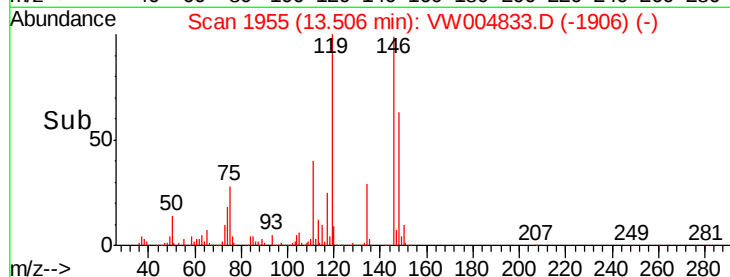
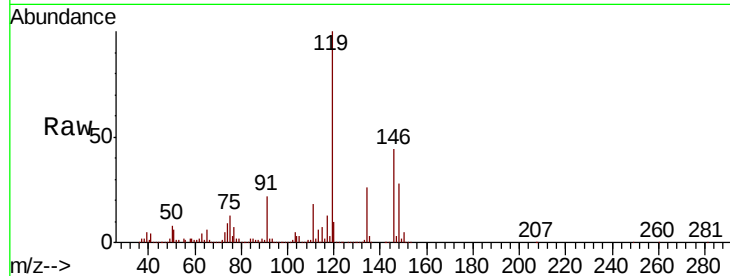
#87
 1,3-Dichlorobenzene
 Concen: 53.66 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.8	59.4
148	63.5	31.9	95.9

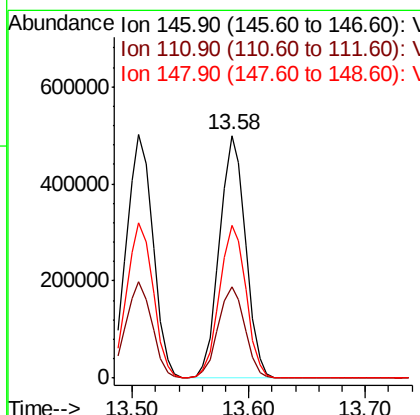
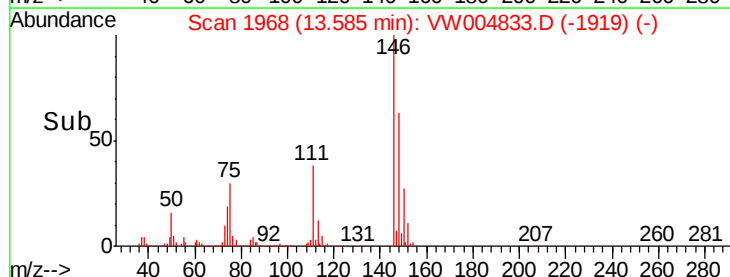
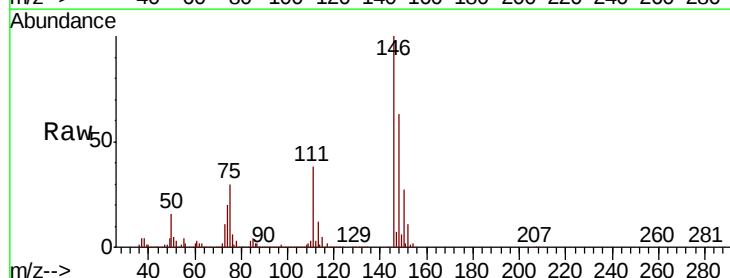
Manual Integrations
 APPROVED

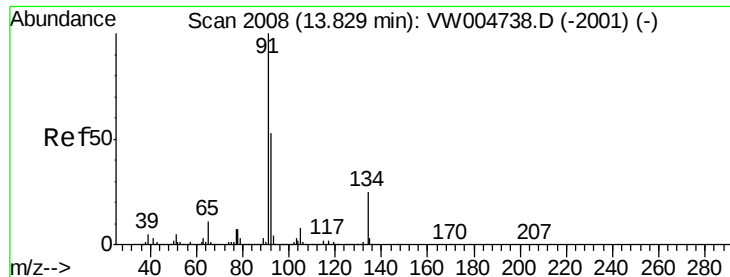
apatel
 8/22/2018 11:06:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 52.68 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.8
148	63.9	31.8	95.3





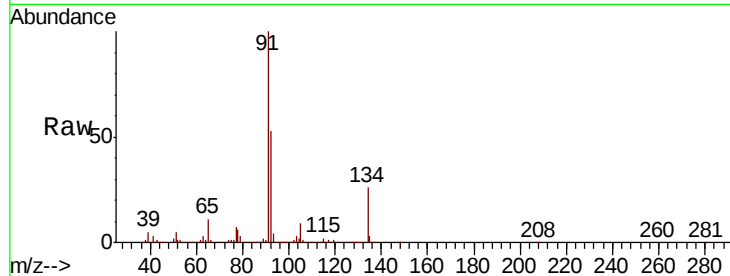
#89
n-Butylbenzene
Concen: 57.55 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

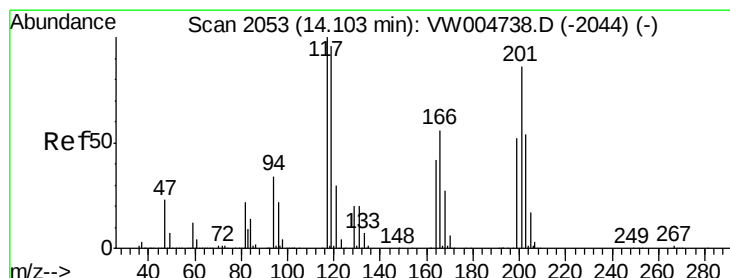
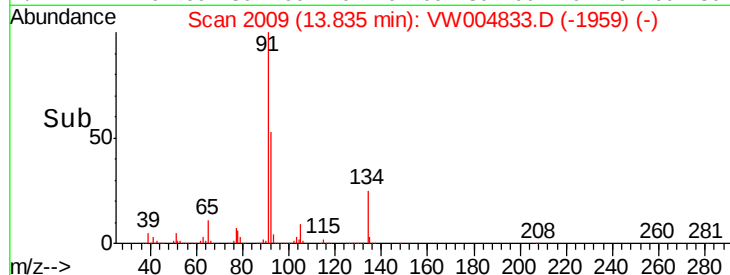
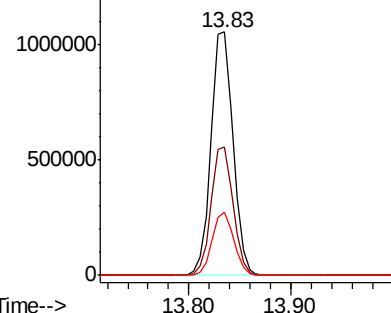
Tot Ion: 91 Resp: 1567717
Ion Ratio Lower Upper
91 100
92 52.7 26.4 79.2
134 25.5 12.8 38.3

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM

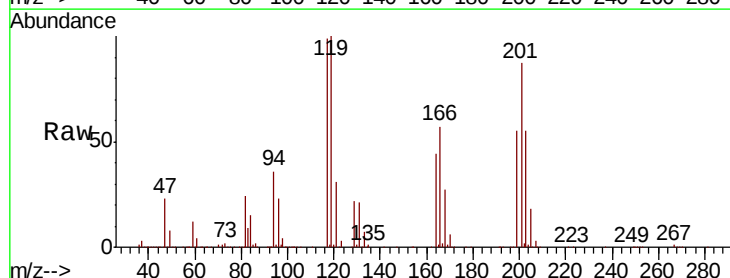


Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V

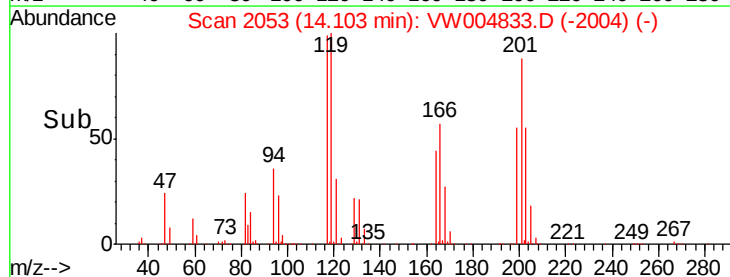
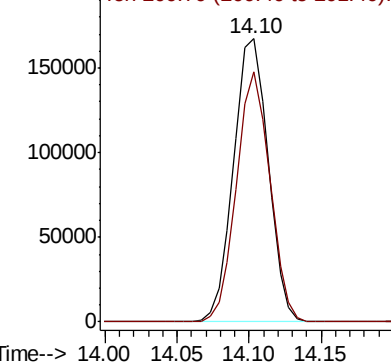


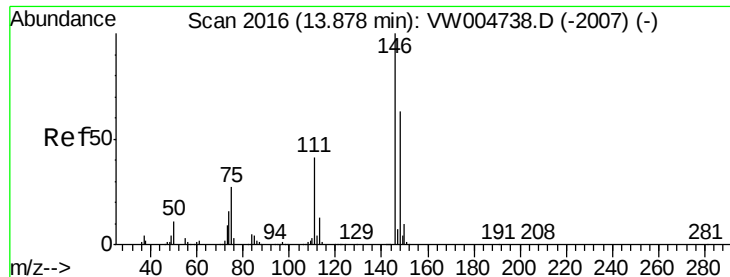
#90
Hexachloroethane
Concen: 54.23 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion: 117 Resp: 278522
Ion Ratio Lower Upper
117 100
201 85.4 42.4 127.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





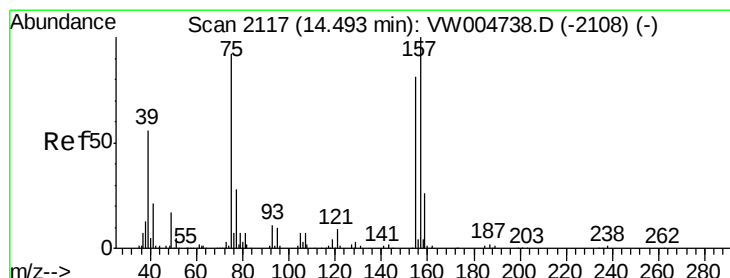
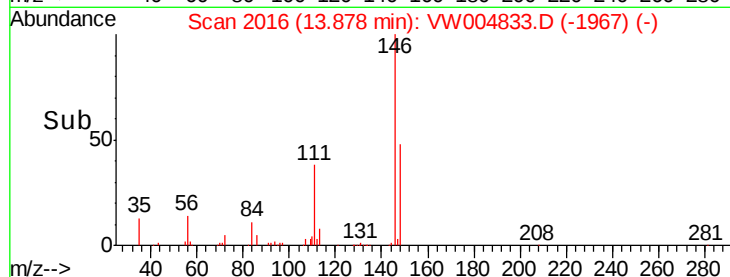
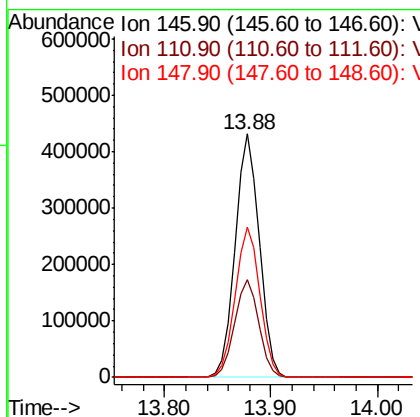
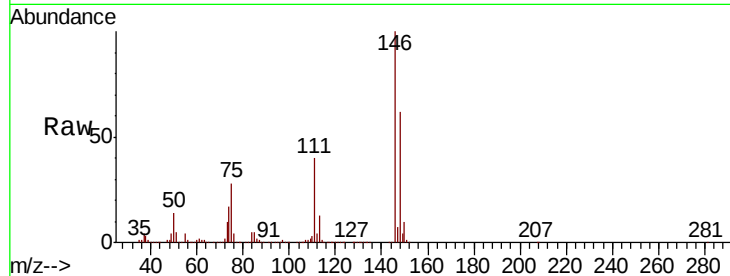
#91
 1,2-Dichlorobenzene
 Concen: 52.07 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	687319
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.4	61.3
148	63.1	31.6	95.0

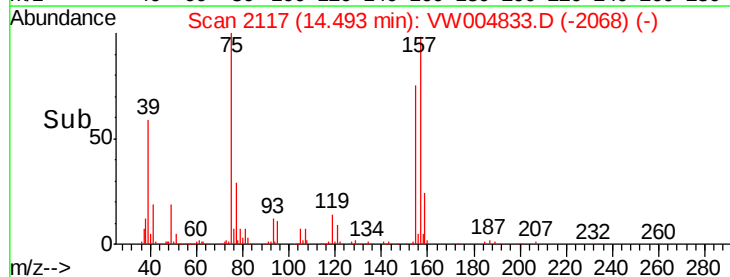
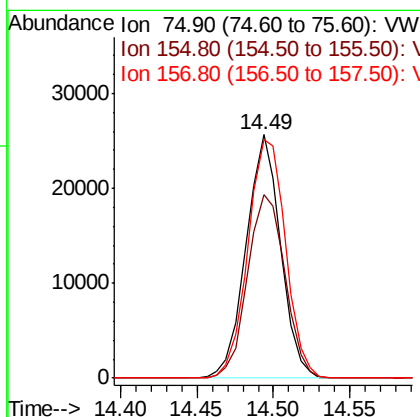
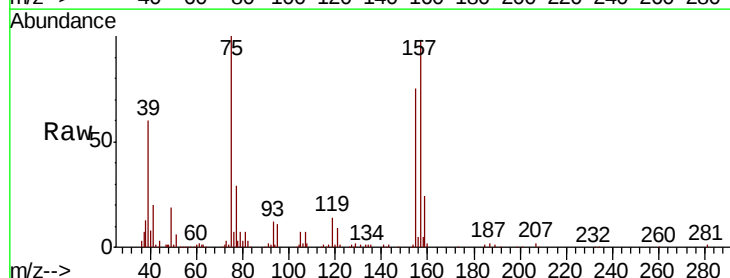
Manual Integrations
 APPROVED

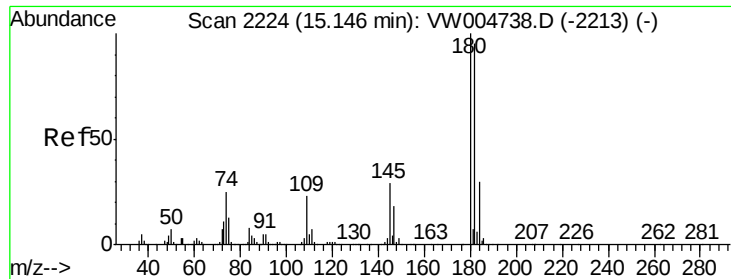
apatel
 8/22/2018 11:06:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.51 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion:	75	Resp:	40192
Ion Ratio	Lower	Upper	
75	100		
155	82.0	43.3	129.9
157	107.3	54.5	163.6





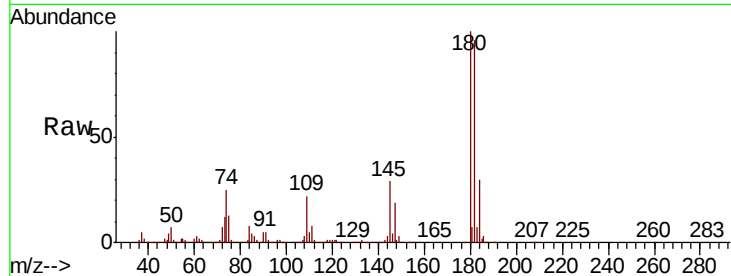
#93
 1,2,4-Trichlorobenzene
 Concen: 53.33 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	497869		
182	95.4	47.3	141.8	
145	29.2	14.6	43.8	

Manual Integrations
 APPROVED

apatel
 8/22/2018 11:06:43 AM

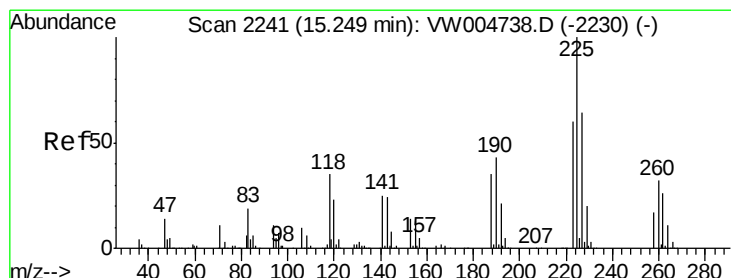
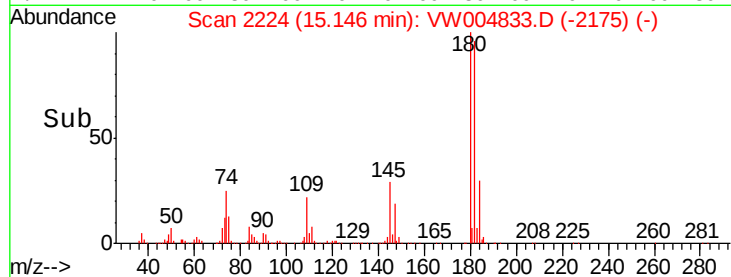
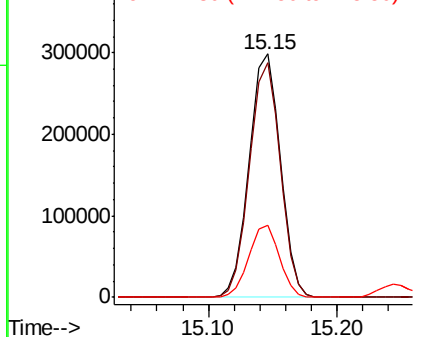


Abundance

Ion 179.80 (179.50 to 180.50): V

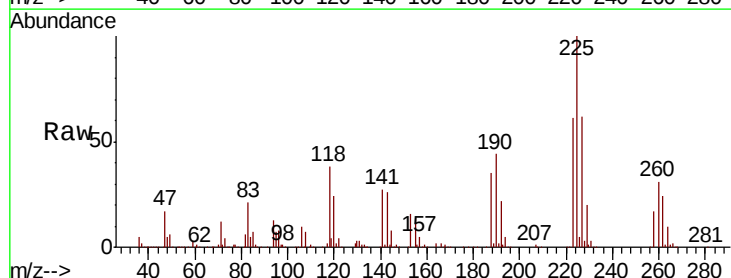
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 56.23 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004833.D
 Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	322208		
223	62.2	30.9	92.5	
227	63.5	32.0	96.0	

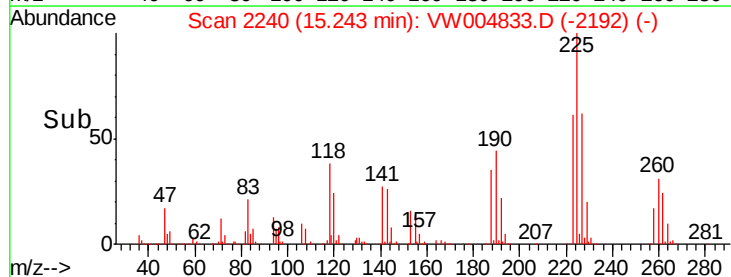
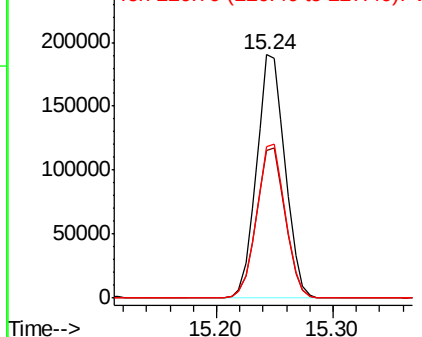


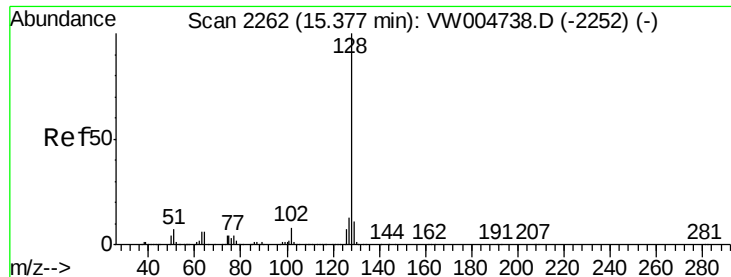
Abundance

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





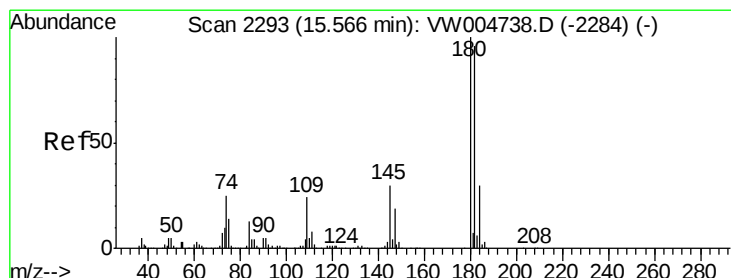
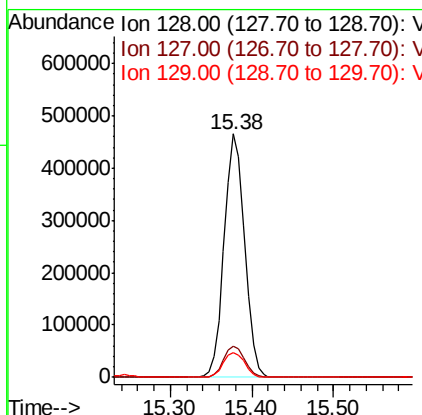
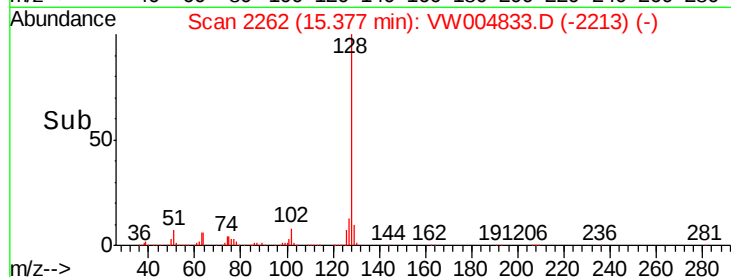
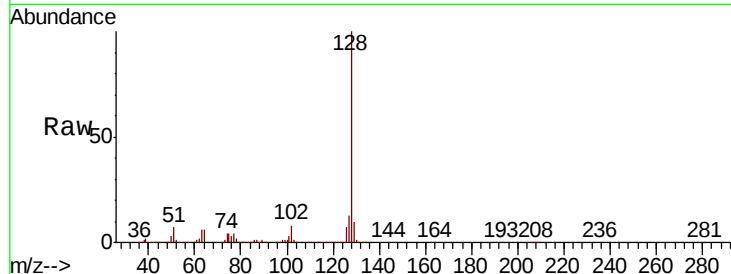
#95
Naphthalene
Concen: 44.90 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
8/22/2018 11:06:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.77 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VW004833.D
Acq: 21 Aug 2018 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	142.0
145	31.9	15.4	46.1

