

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101618\
 Data File : VW006111.D
 Acq On : 17 Oct 2018 07:22
 Operator : VA/AP
 Sample : J5539-08MS
 Misc : 10.11G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Manual Integrations
 APPROVED

apatel
 10/17/2018 10:05:13 AM

Quant Time: Oct 17 08:09:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	229892	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	357464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	264606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	281792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113995	59.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.62%	
35) Dibromofluoromethane	7.88	113	111411	52.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.50%	
50) Toluene-d8	10.33	98	463994	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	
62) 4-Bromofluorobenzene	12.62	95	362090	119.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	239.94%	

apatel

10/17/2018 10:05:13 AM

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	72861	64.046	ug/l	97
3) Chloromethane	2.21	50	81553	55.690	ug/l	99
4) Vinyl Chloride	2.37	62	130255	62.284	ug/l	97
5) Bromomethane	2.78	94	95288	50.096	ug/l	99
6) Chloroethane	2.93	64	81960	54.687	ug/l	98
7) Trichlorofluoromethane	3.26	101	92762	47.614	ug/l	95
8) Diethyl Ether	3.68	74	65080	62.856	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.07	101	96684	47.355	ug/l	98
10) Methyl Iodide	4.27	142	193283	56.878	ug/l	99
11) Tert butyl alcohol	5.20	59	45938	358.380	ug/l	99
12) 1,1-Dichloroethene	4.04	96	118829	61.864	ug/l	95
13) Acrolein	3.90	56	9980	80.462	ug/l	85
14) Allyl chloride	4.67	41	131353	47.826	ug/l	95
15) Acrylonitrile	5.37	53	141682	381.513	ug/l	99
16) Acetone	4.14	43	188137	543.545	ug/l	99
17) Carbon Disulfide	4.38	76	343601	59.271	ug/l	99
18) Methyl Acetate	4.68	43	111902	116.668	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	166335	56.855	ug/l	# 71
20) Methylene Chloride	4.92	84	144930	72.601	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	125137	58.366	ug/l	99
22) Diisopropyl ether	6.32	45	294582	54.276	ug/l	96
23) Vinyl Acetate	6.26	43	606749	189.430	ug/l	100
24) 1,1-Dichloroethane	6.21	63	209712	59.882	ug/l	99
25) 2-Butanone	7.18	43	201371	391.099	ug/l	99
26) 2,2-Dichloropropane	7.17	77	106592	43.154	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	140275	59.288	ug/l	96
28) Bromochloromethane	7.51	49	89257	66.017	ug/l	96
29) Tetrahydrofuran	7.54	42	122443	386.880	ug/l	98
30) Chloroform	7.68	83	225296	59.046	ug/l	100
31) Cyclohexane	7.96	56	101515	29.107	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	171513	49.831	ug/l	99
36) 1,1-Dichloropropene	8.09	75	152040	46.145	ug/l	100
37) Ethyl Acetate	7.26	43	79806	65.193	ug/l	99
38) Carbon Tetrachloride	8.07	117	146665	40.606	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101618\
 Data File : VW006111.D
 Acq On : 17 Oct 2018 07:22
 Operator : VA/AP
 Sample : J5539-08MS
 Misc : 10.11G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Manual Integrations
 APPROVED

apatel
 10/17/2018 10:05:13 AM

Quant Time: Oct 17 08:09:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	243164	55.521	ug/l #	79
40) Benzene	8.32	78	465957	51.556	ug/l	100
41) Methacrylonitrile	7.49	41	46207	62.614	ug/l	93
42) 1,2-Dichloroethane	8.40	62	151922	57.214	ug/l	91
43) Isopropyl Acetate	8.43	43	206300	82.423	ug/l #	88
44) Trichloroethene	9.09	130	130754	47.155	ug/l	98
45) 1,2-Dichloropropane	9.37	63	114365	52.880	ug/l	99
46) Dibromomethane	9.46	93	70713	57.367	ug/l	98
47) Bromodichloromethane	9.65	83	165584	55.407	ug/l	97
48) Methyl methacrylate	9.44	41	91055	76.747	ug/l	92
49) 1,4-Dioxane	9.46	88	22520	1186.753	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	443042	353.282	ug/l	98
52) Toluene	10.39	92	262819	43.375	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	141855	47.642	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	159004	46.530	ug/l #	83
55) 1,1,2-Trichloroethane	10.77	97	620534	359.739	ug/l #	24
56) Ethyl methacrylate	10.66	69	671028	317.322	ug/l #	77
57) 1,3-Dichloropropane	10.93	76	157269	55.076	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	222634	275.527	ug/l	99
59) 2-Hexanone	10.94	43	1092440	1220.327	ug/l #	25
60) Dibromochloromethane	11.13	129	100825	46.926	ug/l	93
61) 1,2-Dibromoethane	11.24	107	98308	57.038	ug/l	83
64) Tetrachloroethene	10.87	164	92659	45.108	ug/l	99
65) Chlorobenzene	11.66	112	282328	49.842	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	102526	50.931	ug/l	99
67) Ethyl Benzene	11.74	91	410992	41.867	ug/l	99
68) m/p-Xylenes	11.85	106	304870	78.574	ug/l	96
69) o-Xylene	12.17	106	154496	41.780	ug/l	85
70) Styrene	12.19	104	263203	43.771	ug/l	94
71) Bromoform	12.35	173	62731	55.870	ug/l #	100
73) Isopropylbenzene	12.47	105	412232	20.707	ug/l	100
74) N-amyl acetate	12.26	43	1869543	483.506	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.70	83	463023	152.920	ug/l #	95
76) 1,2,3-Trichloropropane	12.77	75	88560m	41.146	ug/l	
77) Bromobenzene	12.75	156	118655	24.334	ug/l	91
78) n-propylbenzene	12.81	91	583751	25.204	ug/l	96
79) 2-Chlorotoluene	12.90	91	307531	23.632	ug/l	88
80) 1,3,5-Trimethylbenzene	12.95	105	210343	12.533	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	21241	23.590	ug/l #	1
82) 4-Chlorotoluene	12.99	91	264621m	19.412	ug/l	
83) tert-Butylbenzene	13.21	119	247954	16.513	ug/l	86
84) 1,2,4-Trimethylbenzene	13.26	105	222920	13.126	ug/l	98
85) sec-Butylbenzene	13.39	105	2440829	115.063	ug/l	82
86) p-Isopropyltoluene	13.51	119	156363	8.149	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	146241	15.070	ug/l #	1
88) 1,4-Dichlorobenzene	13.58	146	148733	15.393	ug/l #	1
89) n-Butylbenzene	13.83	91	1374724	78.344	ug/l #	81
90) Hexachloroethane	14.11	117	243147	74.815	ug/l #	13
91) 1,2-Dichlorobenzene	13.88	146	148056	17.104	ug/l #	75
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26887	49.597	ug/l	61

apatel

10/17/2018 10:05:13 AM

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101618\
Data File : VW006111.D
Acq On : 17 Oct 2018 07:22
Operator : VA/AP
Sample : J5539-08MS
Misc : 10.11G/5ML/MSVOA W/SOIL
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Manual Integrations
APPROVED

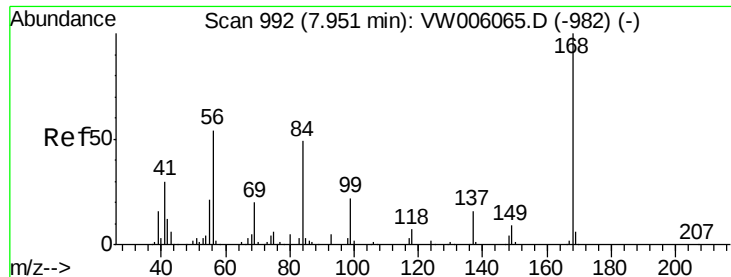
apatel
10/17/2018 10:05:13 AM

Quant Time: Oct 17 08:09:15 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	72025	10.814	ug/l #	1
94) Hexachlorobutadiene	15.25	225	13994	3.345	ug/l	99
95) Naphthalene	15.38	128	156781	14.150	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.59	180	122722	21.303	ug/l #	12

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

10/17/2018 10:05:13 AM



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion:168 Resp: 229892

Ion Ratio Lower Upper

168 100

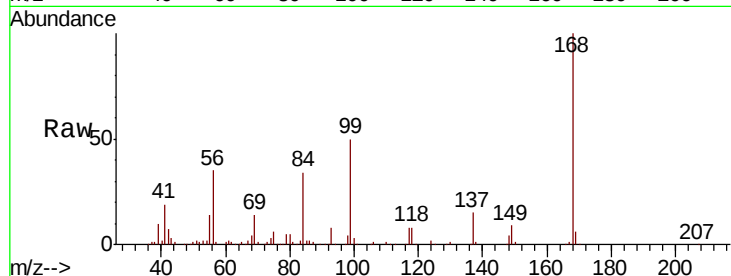
99 49.5 39.9 59.9

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

40000

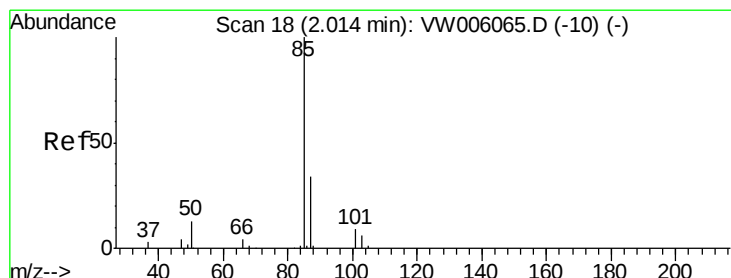
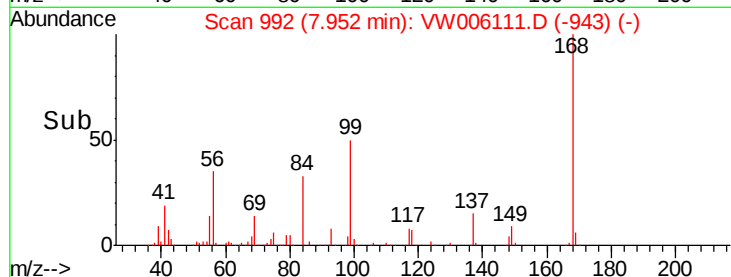
20000

0

Time--> 7.80 7.90 8.00 8.10

apatel

10/17/2018 10:05:13 AM



#2

Dichlorodifluoromethane

Concen: 64.046 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW006111.D

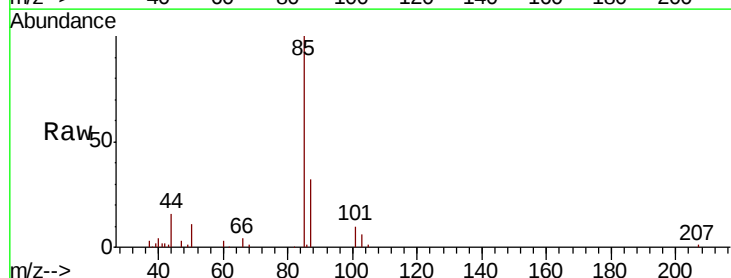
Acq: 17 Oct 2018 07:22

Tgt Ion: 85 Resp: 72861

Ion Ratio Lower Upper

85 100

87 32.2 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

20000

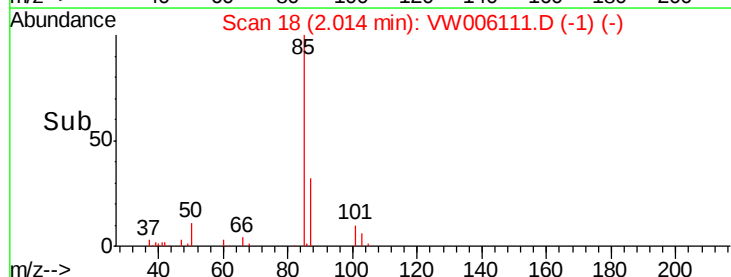
15000

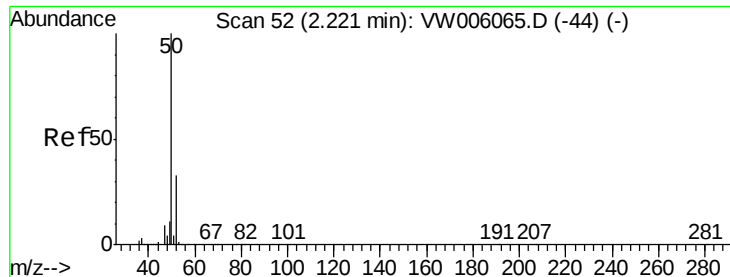
10000

5000

0

Time--> 2.00 2.20





#3

Chloromethane

Concen: 55.690 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 50 Resp: 81553

Ion Ratio Lower Upper

50 100

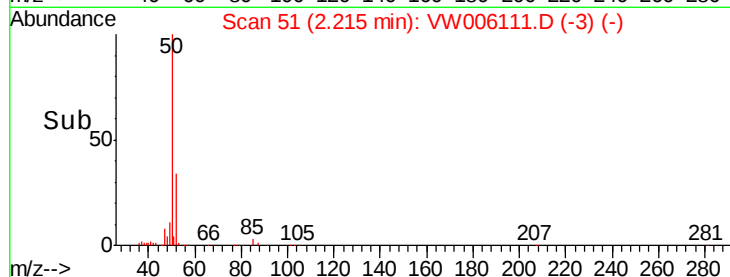
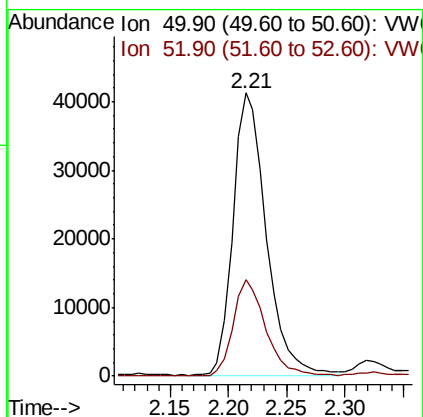
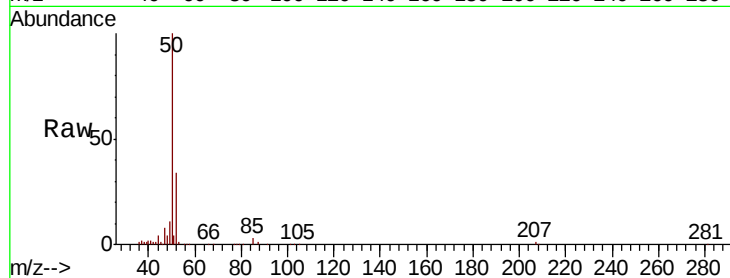
52 34.0 26.8 40.2

Manual Integrations

APPROVED

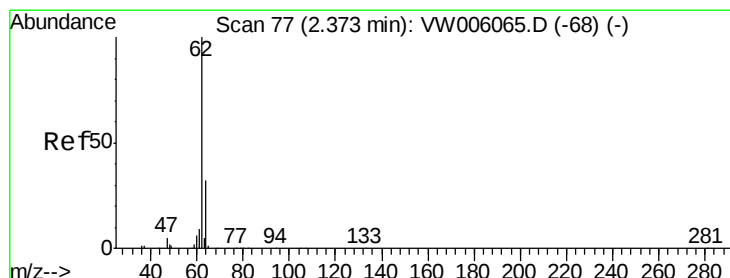
apatel

10/17/2018 10:05:13 AM



apatel

10/17/2018 10:05:13 AM



#4

Vinyl Chloride

Concen: 62.284 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW006111.D

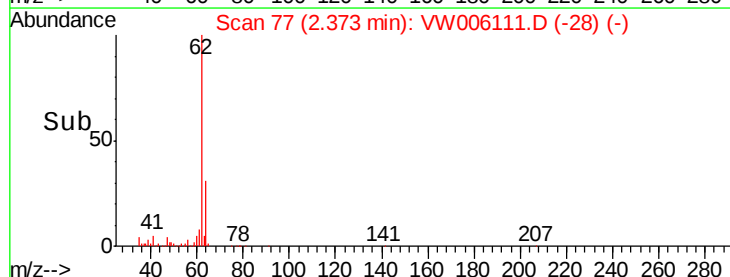
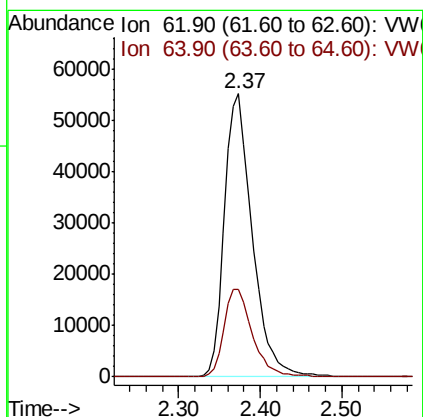
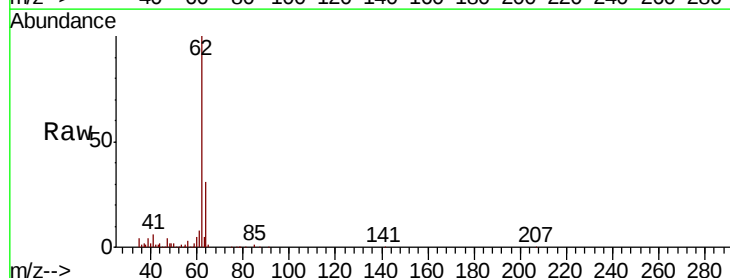
Acq: 17 Oct 2018 07:22

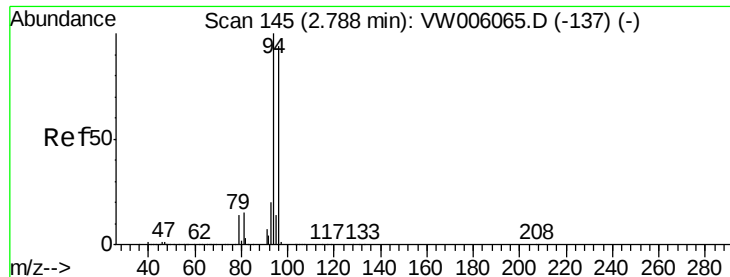
Tgt Ion: 62 Resp: 130255

Ion Ratio Lower Upper

62 100

64 30.8 25.9 38.9





#5

Bromomethane

Concen: 50.096 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 94 Resp: 95288

Ion Ratio Lower Upper

94 100

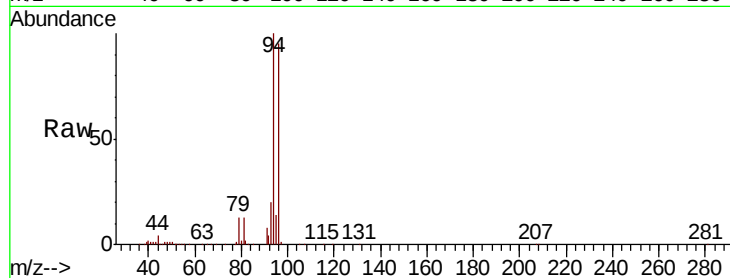
96 94.5 74.9 112.3

Manual Integrations

APPROVED

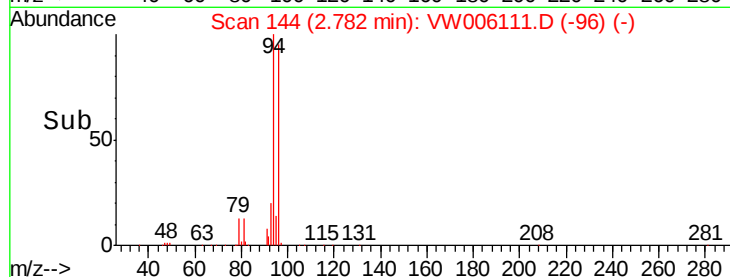
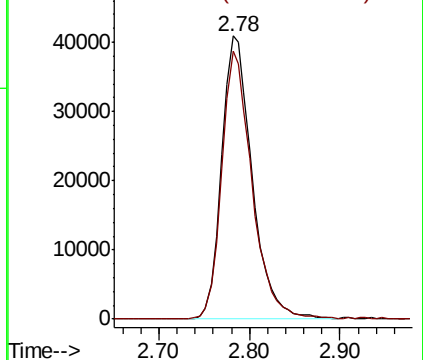
apatel

10/17/2018 10:05:13 AM



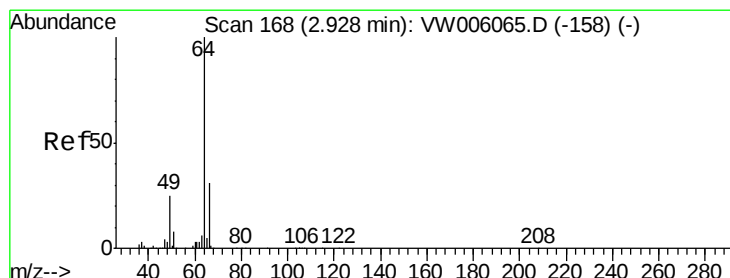
Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



apatel

10/17/2018 10:05:13 AM



#6

Chloroethane

Concen: 54.687 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW006111.D

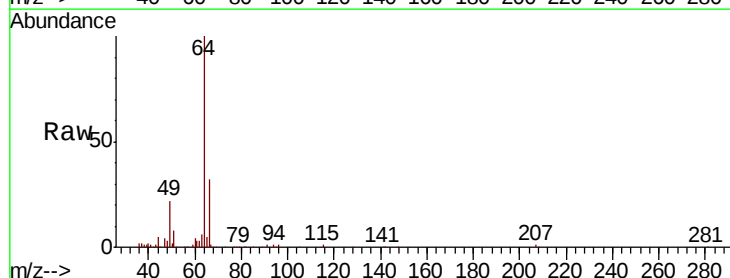
Acq: 17 Oct 2018 07:22

Tgt Ion: 64 Resp: 81960

Ion Ratio Lower Upper

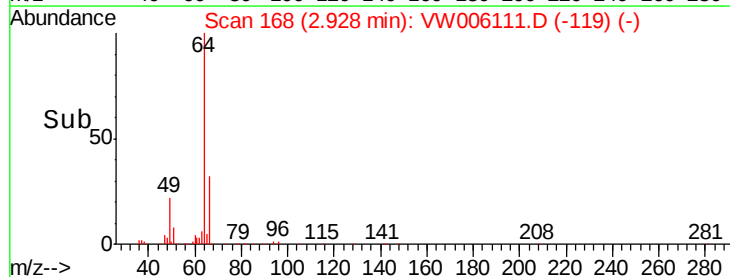
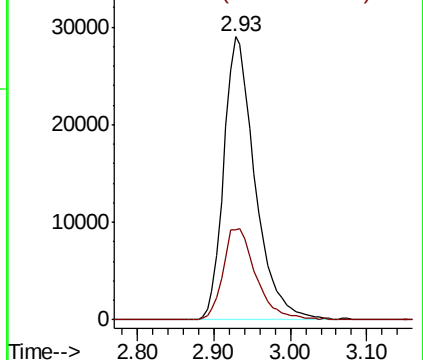
64 100

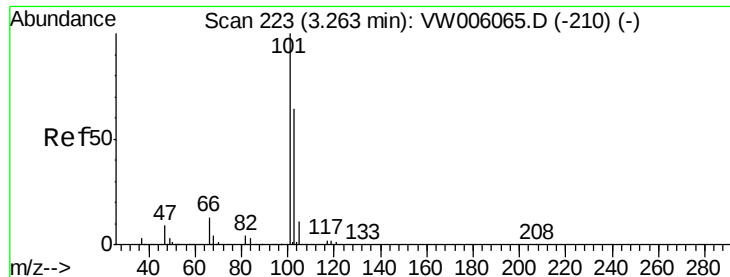
66 32.0 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

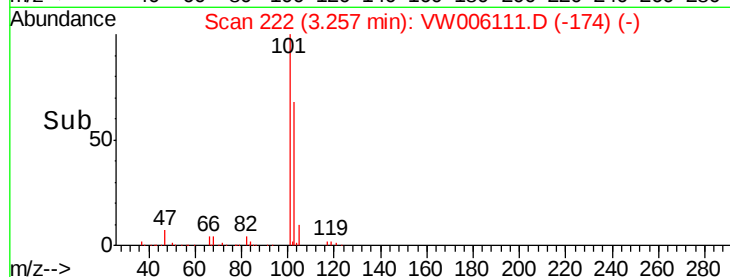
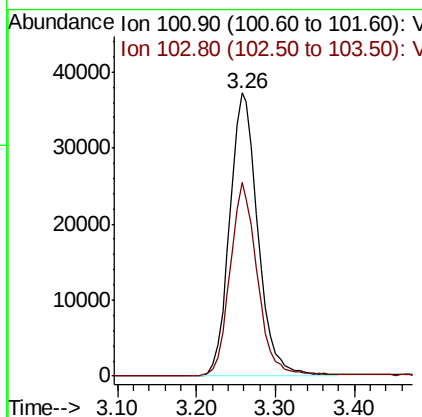
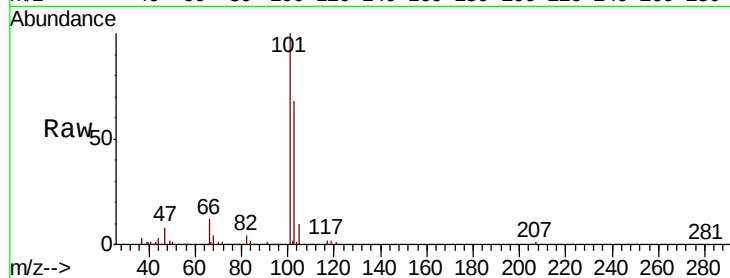
Trichlorofluoromethane
 Concen: 47.614 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.2	76.8

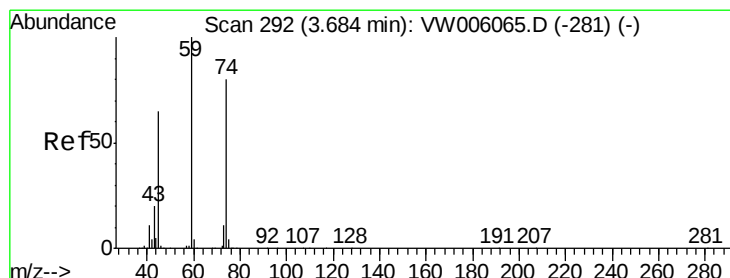
Manual Integrations
 APPROVED

apatel
 10/17/2018 10:05:13 AM



apatel

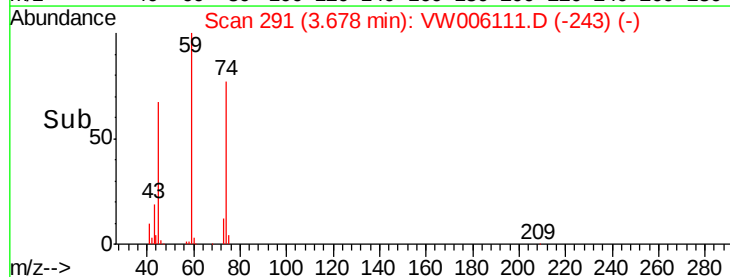
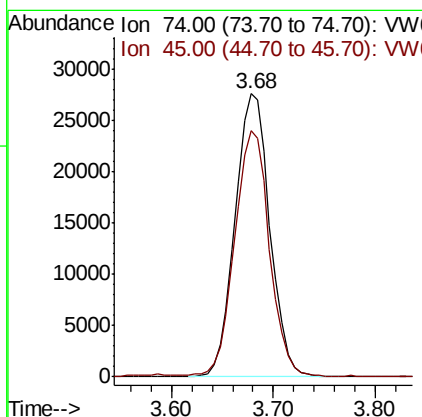
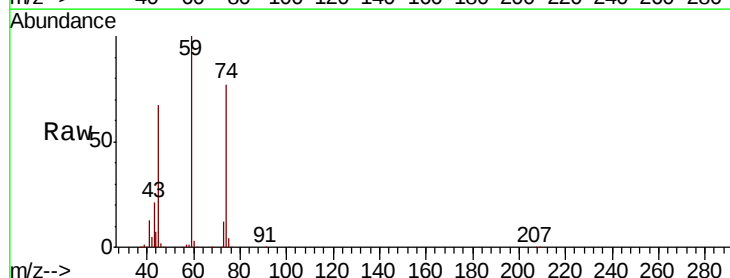
10/17/2018 10:05:13 AM



#8

Diethyl Ether
 Concen: 62.856 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.7	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.355 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

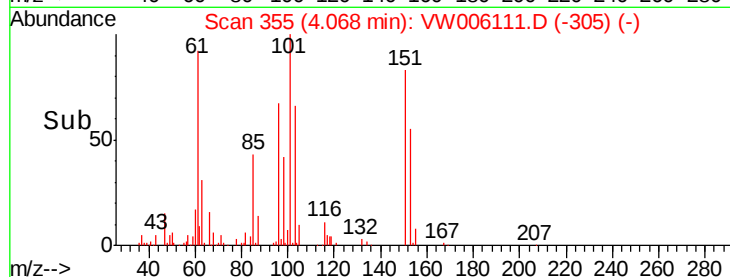
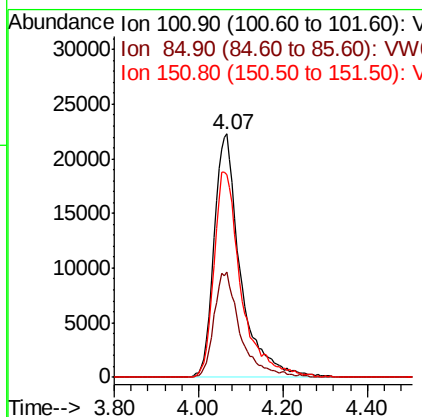
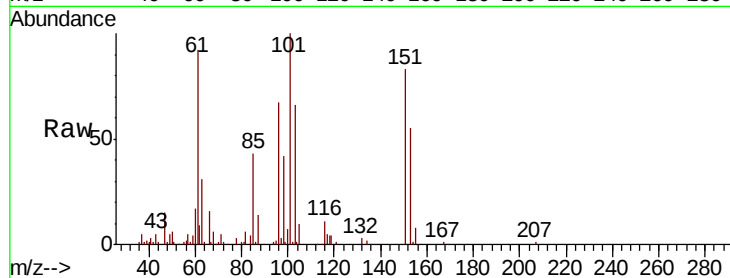
ClientSampleId :

SB-10-5-7FTMS

Tot Ion:	101	Resp:	96684
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.9	52.3
151	86.9	70.4	105.6

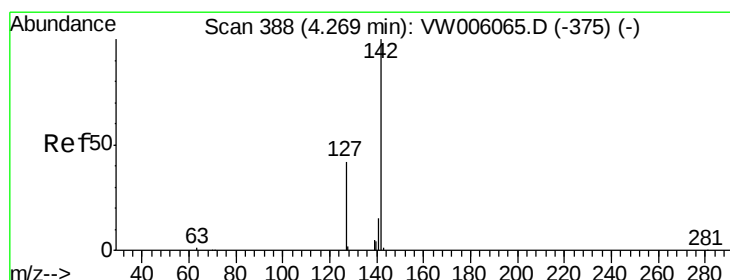
Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



apatel

10/17/2018 10:05:13 AM



#10

Methyl Iodide

Concen: 56.878 ug/l

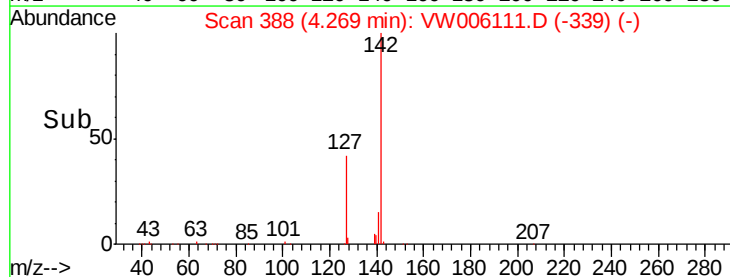
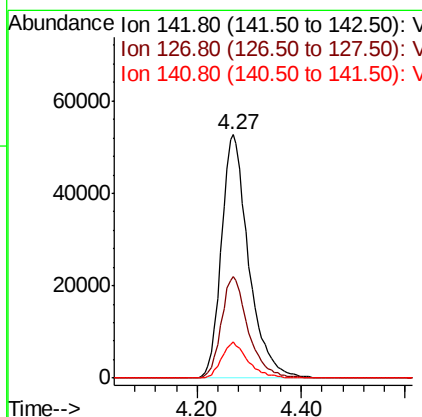
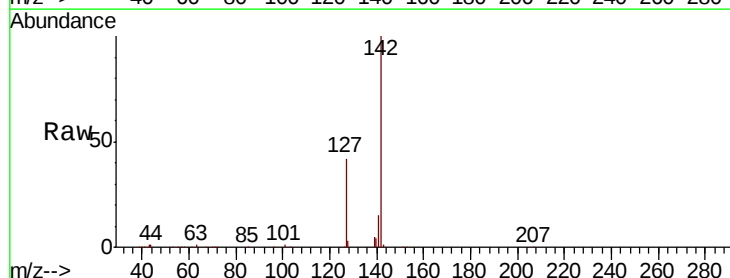
RT: 4.27 min Scan# 388

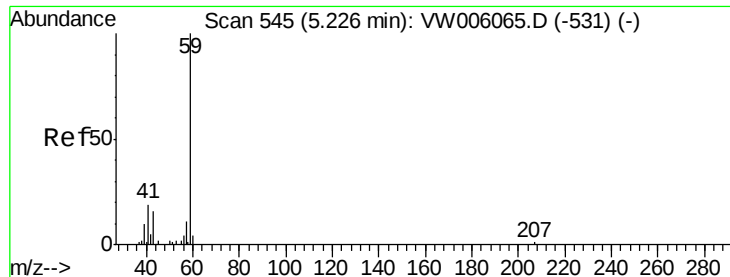
Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion:	142	Resp:	193283
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.6	50.4
141	14.4	11.6	17.4





#11

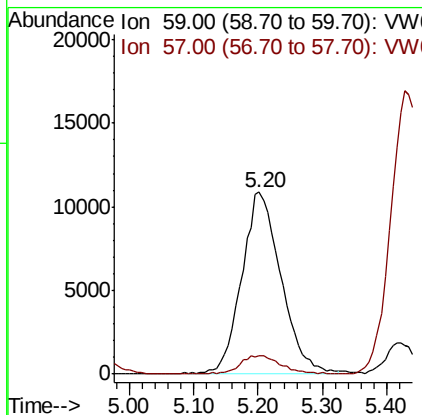
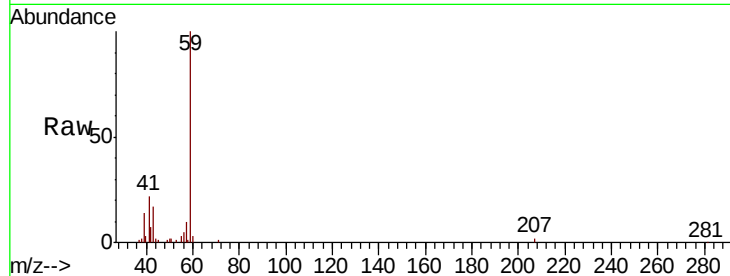
Tert butyl alcohol
 Concen: 358.380 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. -0.02 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion	59	Resp	45938
Ion Ratio	100	Lower	Upper
57	10.7	8.7	13.1

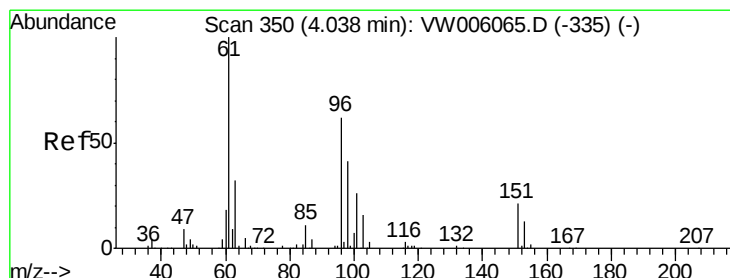
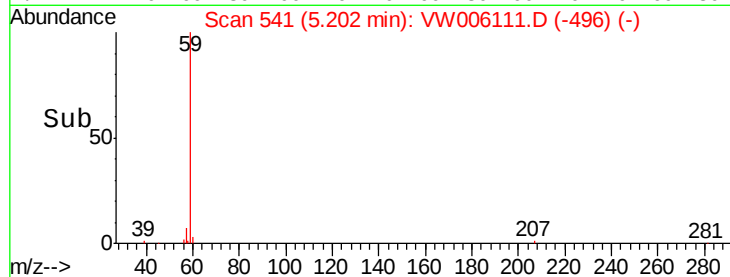
Manual Integrations
 APPROVED

apatel
 10/17/2018 10:05:13 AM



apatel

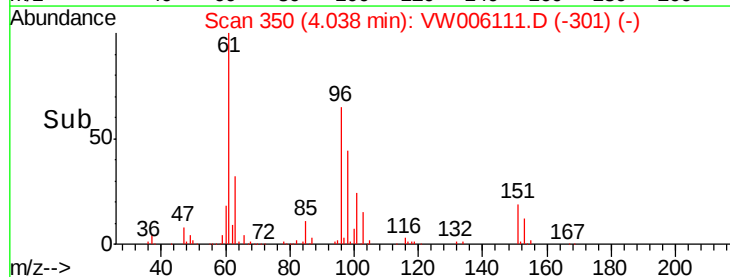
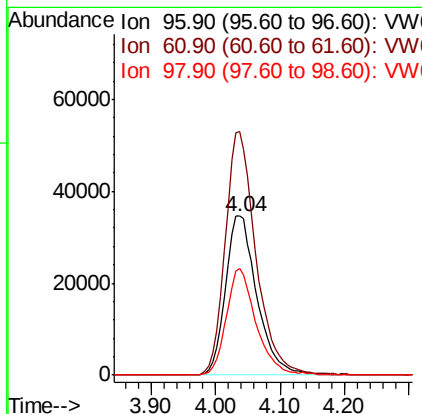
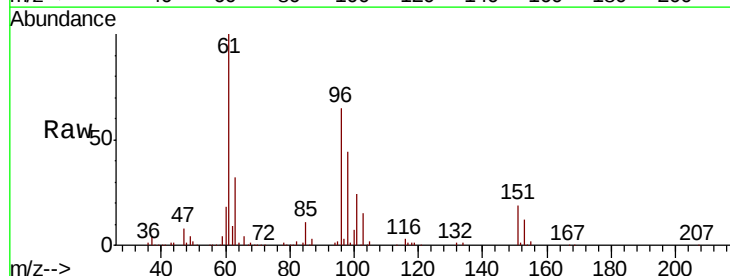
10/17/2018 10:05:13 AM

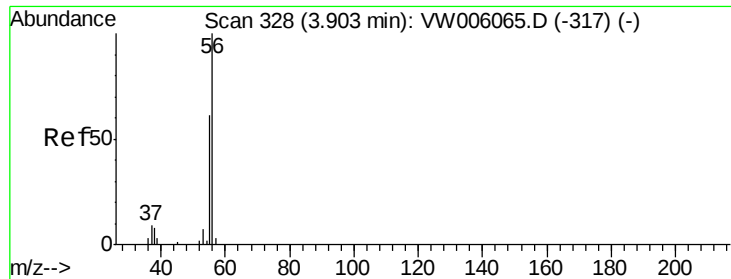


#12

1,1-Dichloroethene
 Concen: 61.864 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion	96	Resp	118829
Ion Ratio	100	Lower	Upper
61	153.2	129.3	193.9
98	67.2	53.1	79.7





#13

Acrolein

Concen: 80.462 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 56 Resp: 9980

Ion Ratio Lower Upper

56 100

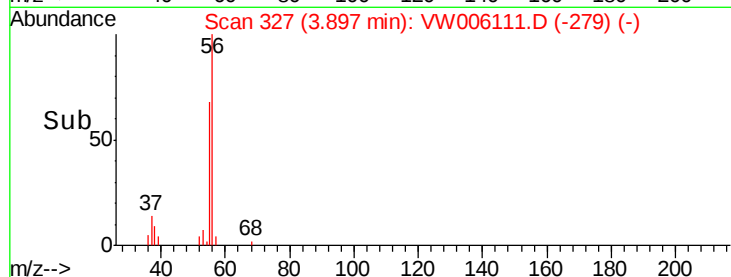
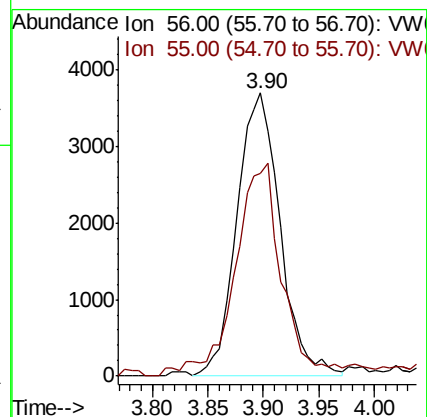
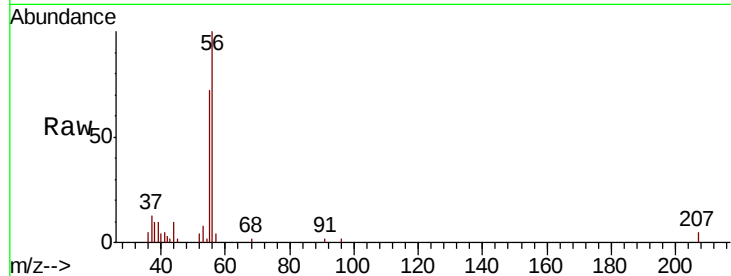
55 80.6 54.5 81.7

Manual Integrations

APPROVED

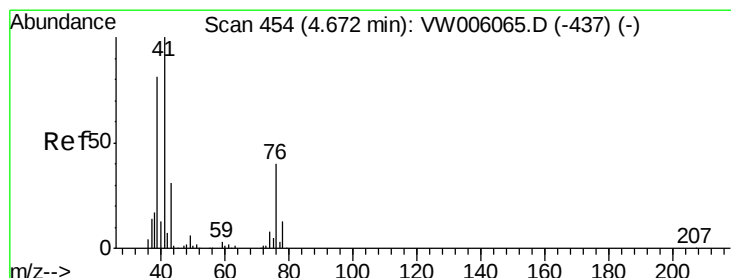
apatel

10/17/2018 10:05:13 AM



apatel

10/17/2018 10:05:13 AM



#14

Allyl chloride

Concen: 47.826 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

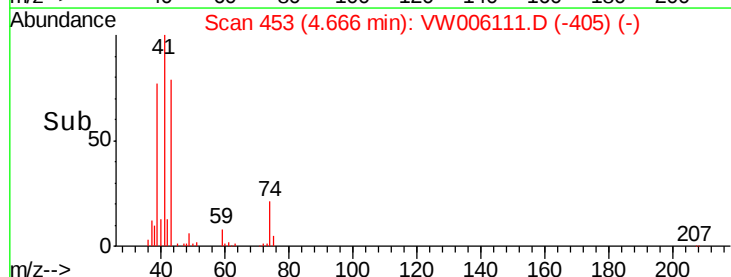
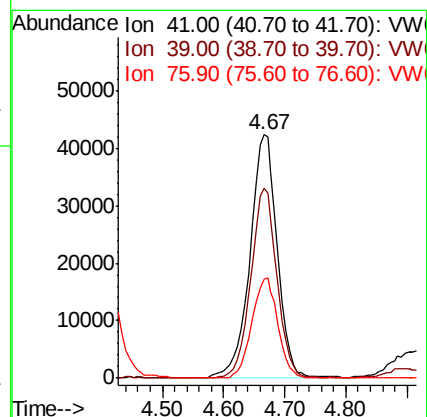
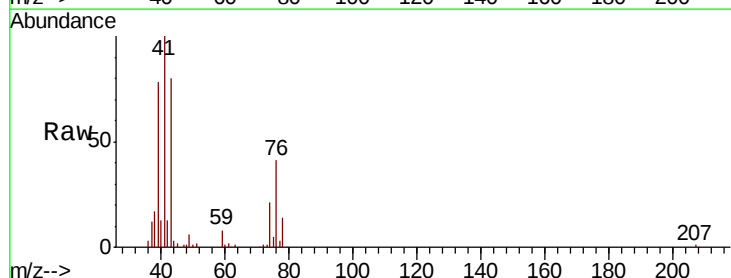
Tgt Ion: 41 Resp: 131353

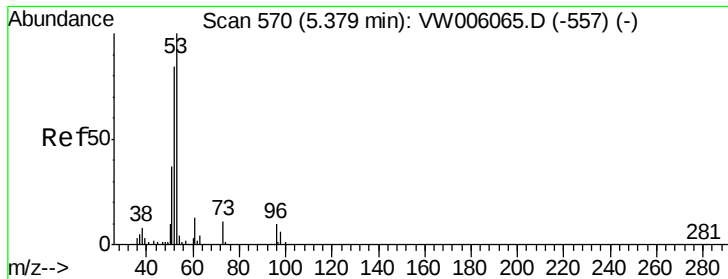
Ion Ratio Lower Upper

41 100

39 74.5 64.1 96.1

76 39.3 32.2 48.4





#15

Acrylonitrile

Concen: 381.513 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

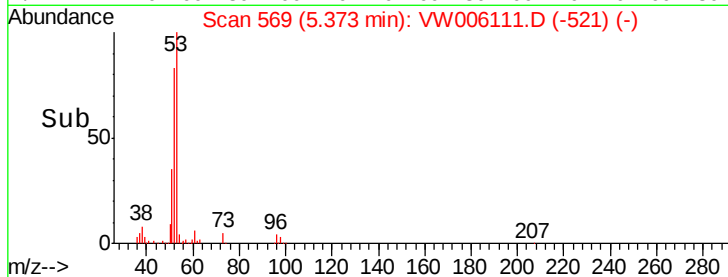
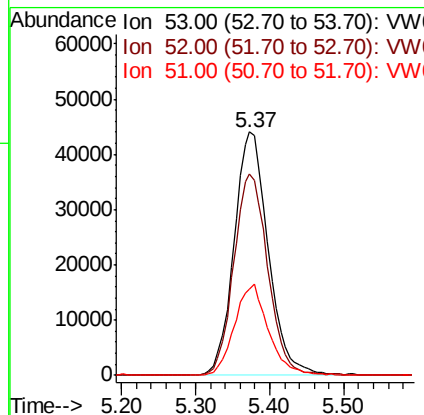
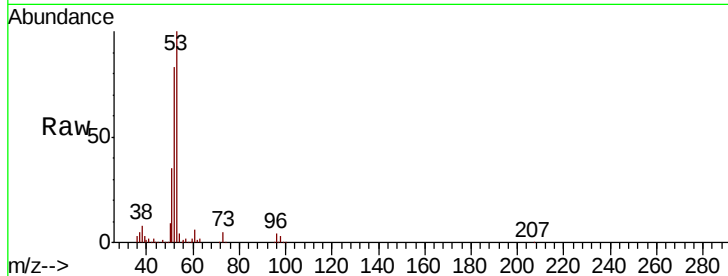
ClientSampleId :

SB-10-5-7FTMS

Tot Ion:	53	Resp:	141682
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.9	100.3
51	37.2	30.1	45.1

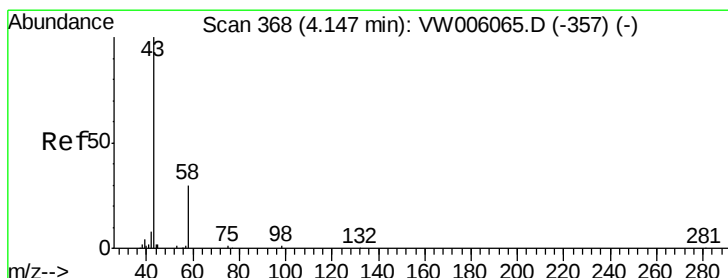
Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



apatel

10/17/2018 10:05:13 AM



#16

Acetone

Concen: 543.545 ug/l

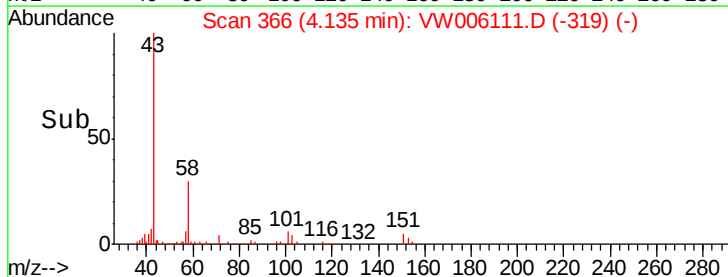
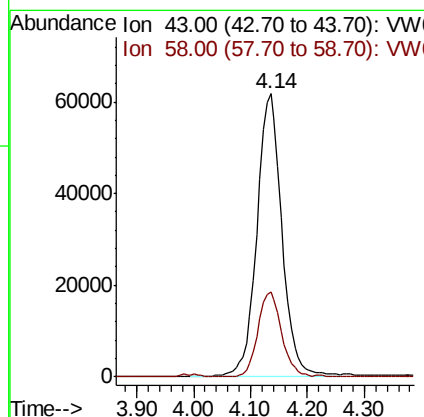
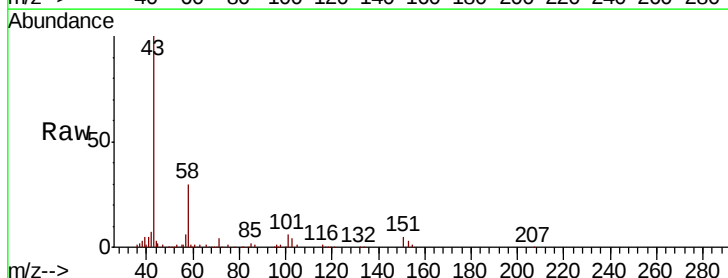
RT: 4.14 min Scan# 366

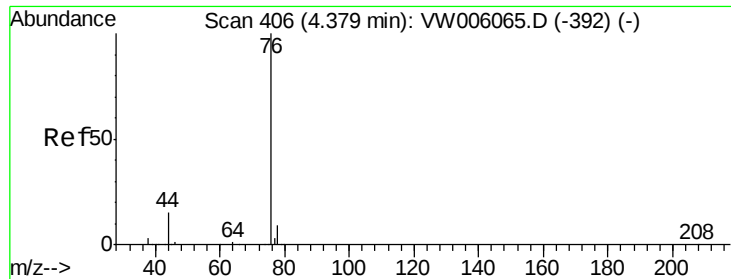
Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion:	43	Resp:	188137
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0





#17

Carbon Disulfide

Concen: 59.271 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 76 Resp: 343601

Ion Ratio Lower Upper

76 100

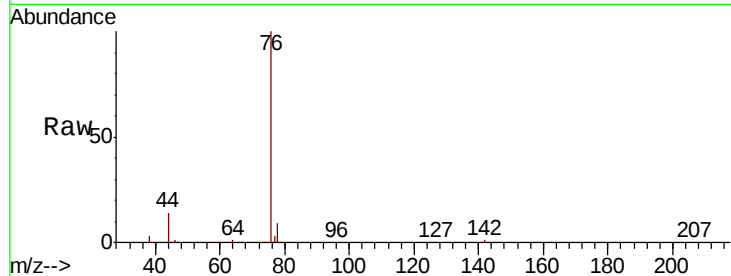
78 8.9 7.5 11.3

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

120000

100000

80000

60000

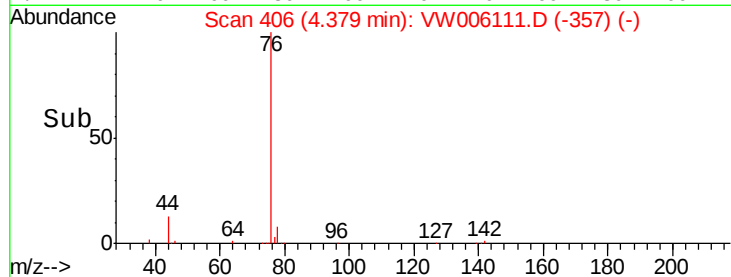
40000

20000

0

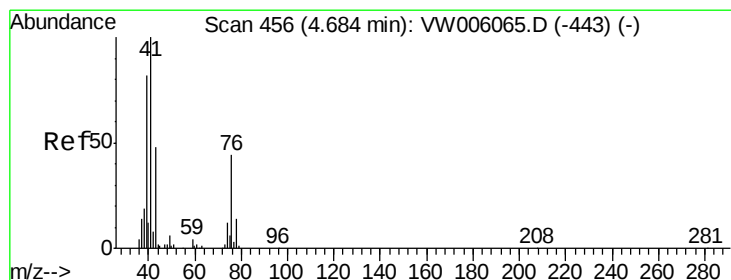
Time-->

4.20 4.40 4.60



apatel

10/17/2018 10:05:13 AM



#18

Methyl Acetate

Concen: 116.668 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006111.D

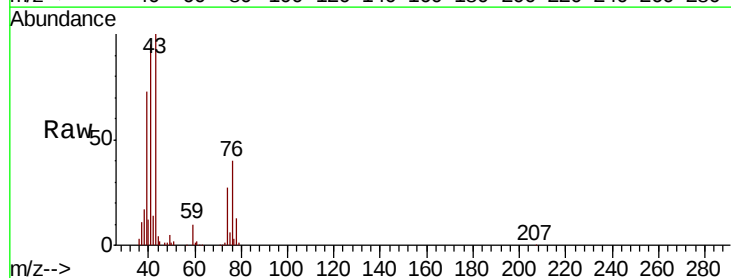
Acq: 17 Oct 2018 07:22

Tgt Ion: 43 Resp: 111902

Ion Ratio Lower Upper

43 100

74 26.8 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

40000

30000

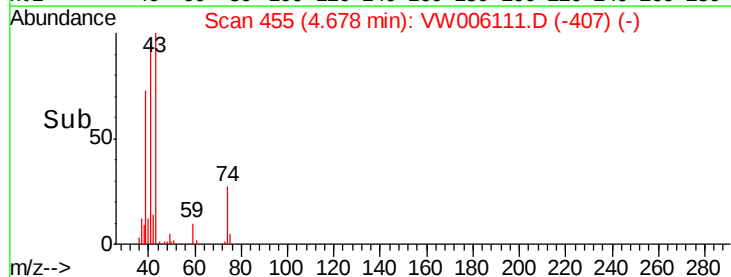
20000

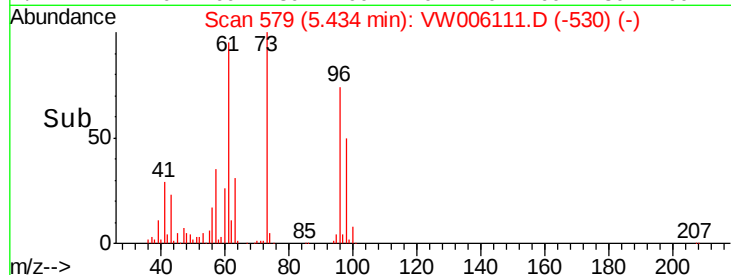
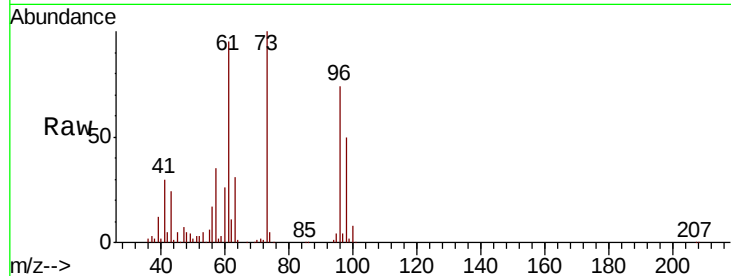
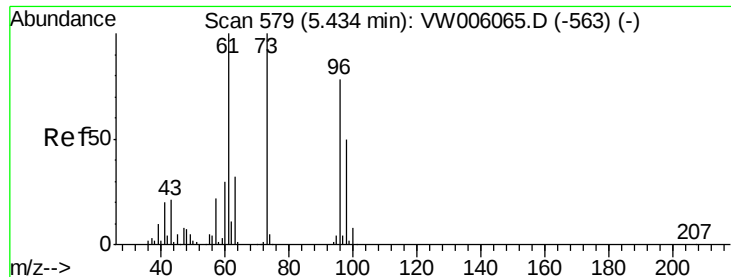
10000

0

Time-->

4.60 4.70 4.80





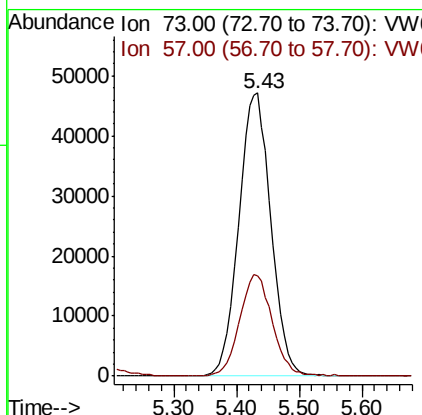
#19
Methyl tert-butyl Ether
Concen: 56.855 ug/l
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tot Ion	Ratio	Lower	Upper
73	100		
57	35.5	17.4	26.2#

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

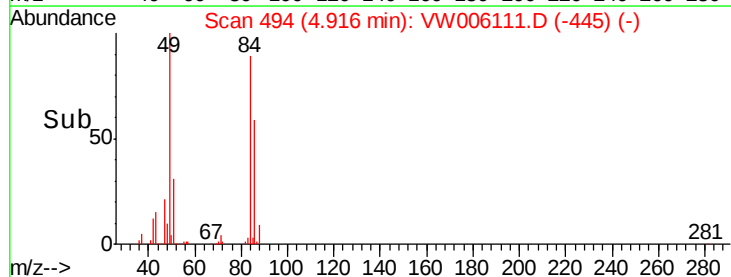
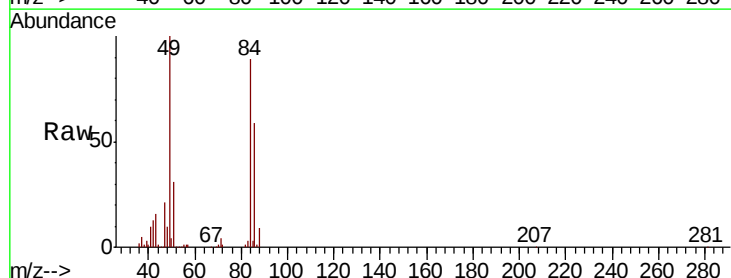
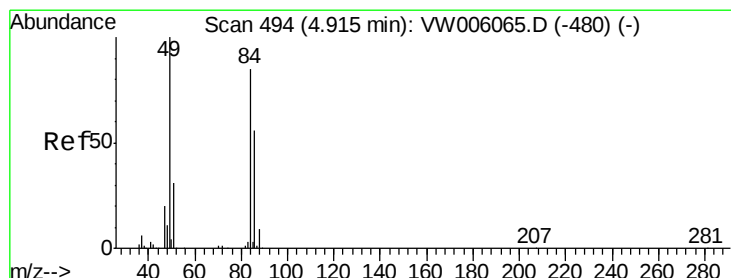
Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



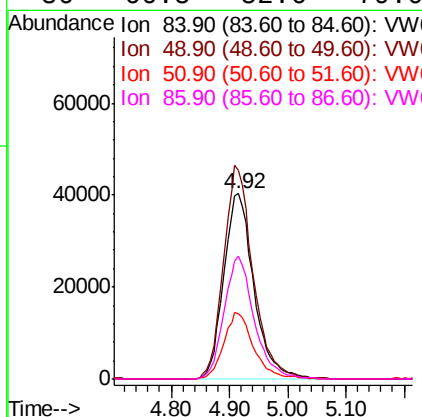
apatel

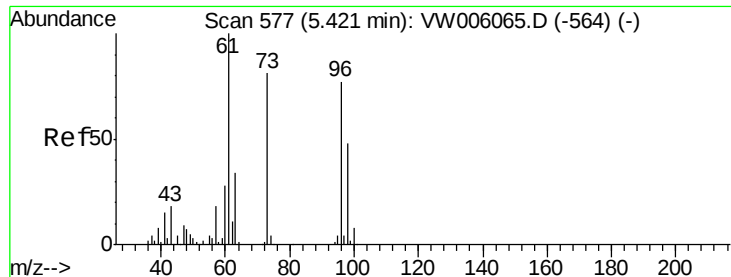
10/17/2018 10:05:13 AM



#20
Methylene Chloride
Concen: 72.601 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.4	93.6	140.4
51	35.1	29.0	43.4
86	66.5	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 58.366 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

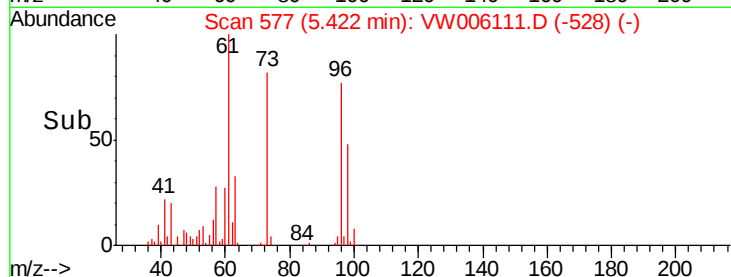
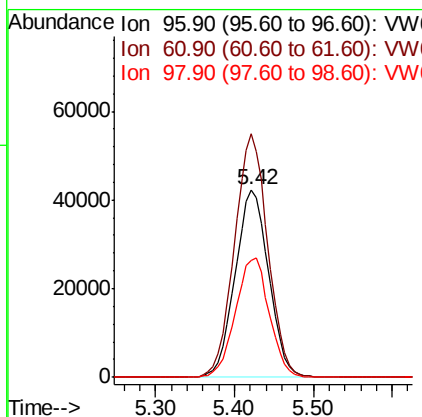
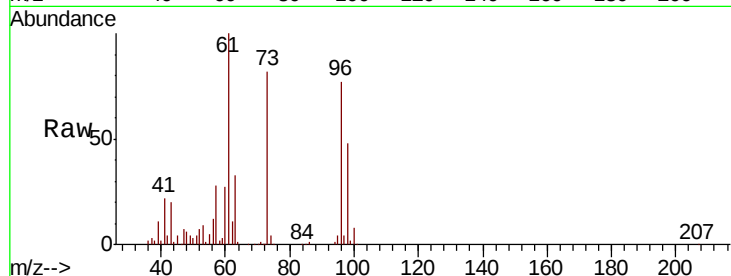
ClientSampleId :

SB-10-5-7FTMS

Tot Ion:	96	Resp:	125137
Ion	Ratio	Lower	Upper
96	100		
61	129.8	104.5	156.7
98	62.6	50.6	75.8

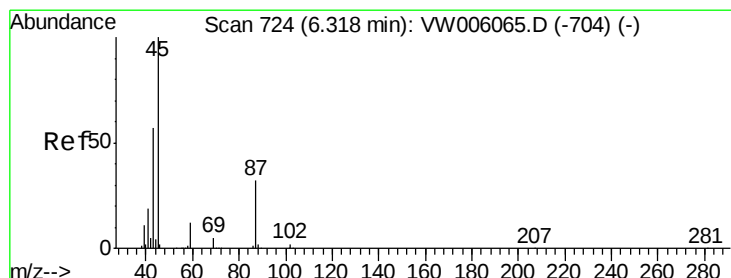
Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



apatel

10/17/2018 10:05:13 AM



#22

Diisopropyl ether

Concen: 54.276 ug/l

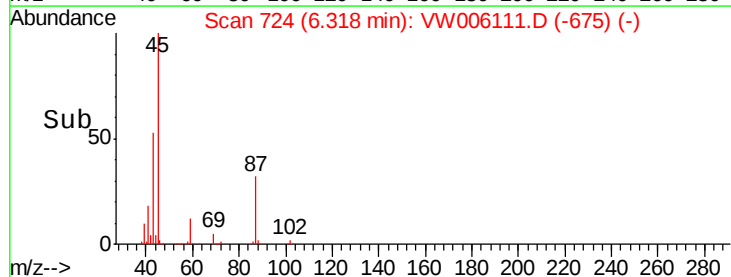
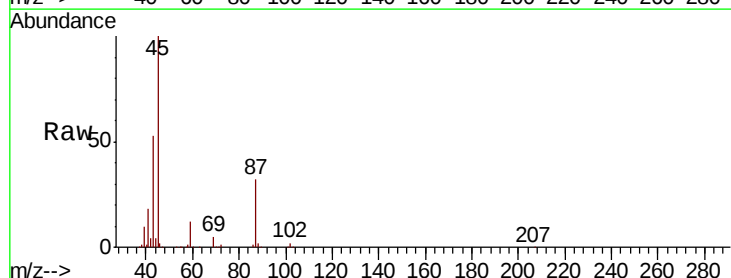
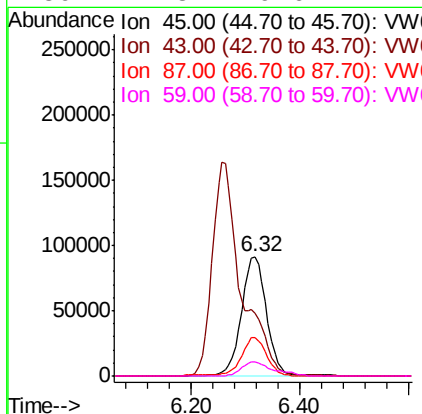
RT: 6.32 min Scan# 724

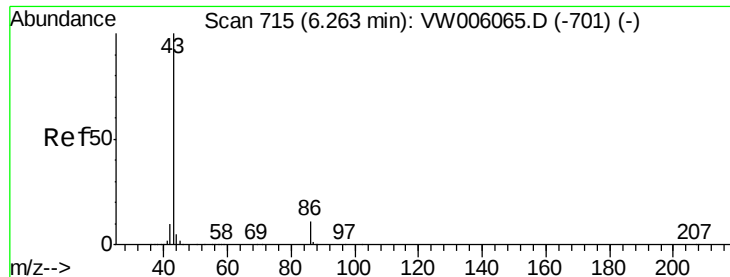
Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion:	45	Resp:	294582
Ion	Ratio	Lower	Upper
45	100		
43	52.7	45.7	68.5
87	32.1	25.9	38.9
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 189.430 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 43 Resp: 606749

Ion Ratio Lower Upper

43 100

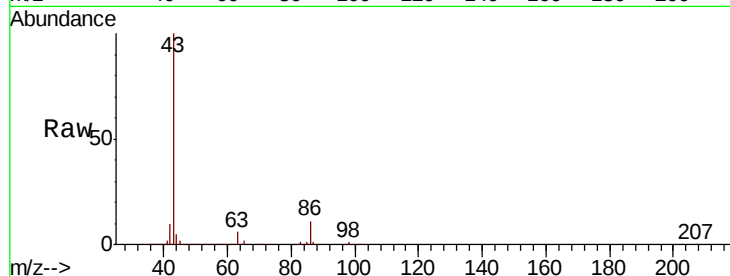
86 11.5 9.0 13.6

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

150000

100000

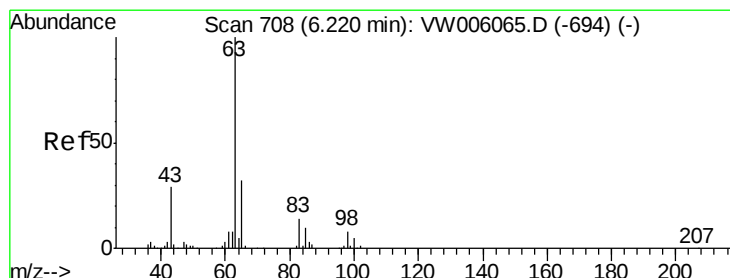
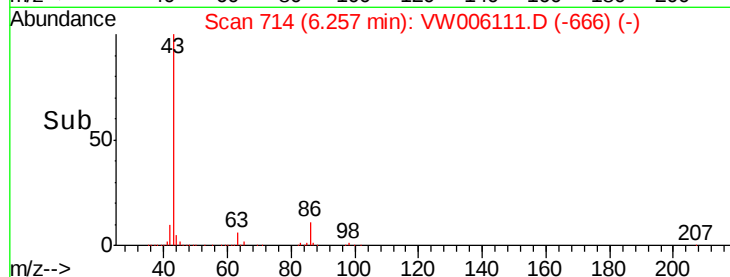
50000

0

Time-->

apatel

10/17/2018 10:05:13 AM



#24

1,1-Dichloroethane

Concen: 59.882 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

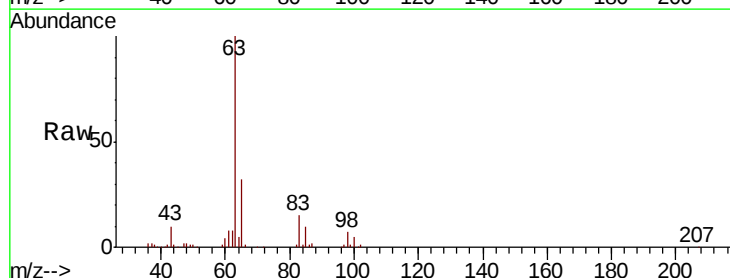
Tgt Ion: 63 Resp: 209712

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

100 4.5 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

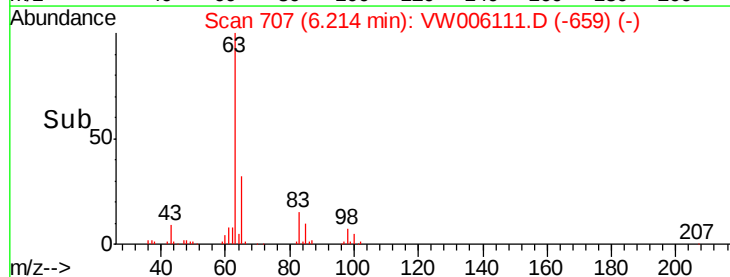
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 391.099 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 43 Resp: 201371

Ion Ratio Lower Upper

43 100

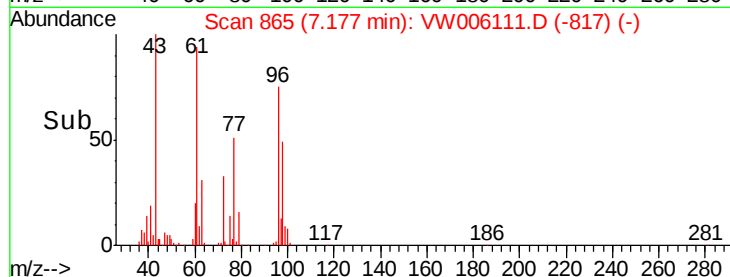
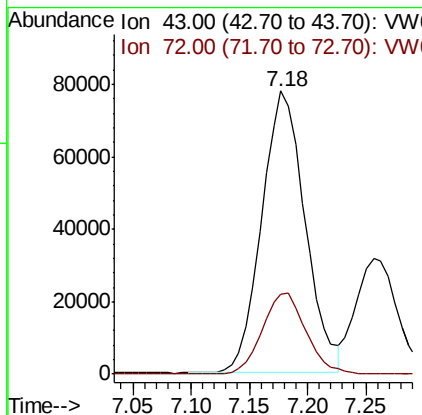
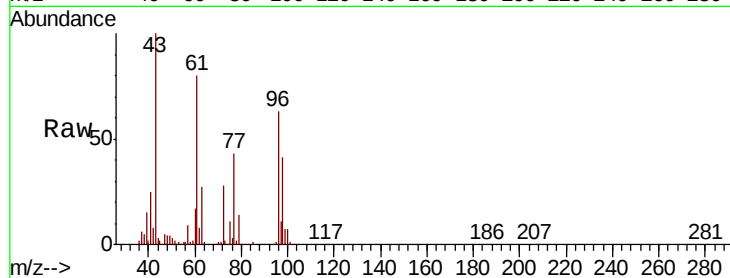
72 28.2 22.8 34.2

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



#26

2,2-Dichloropropane

Concen: 43.154 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006111.D

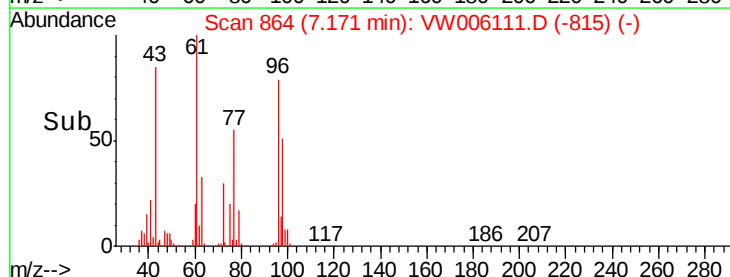
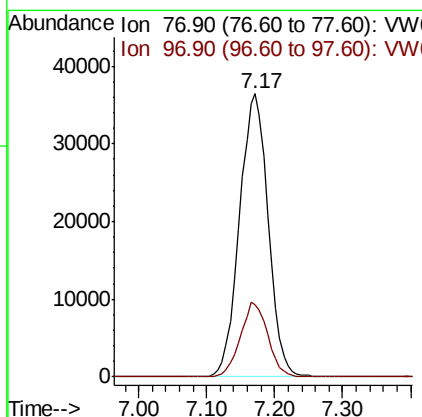
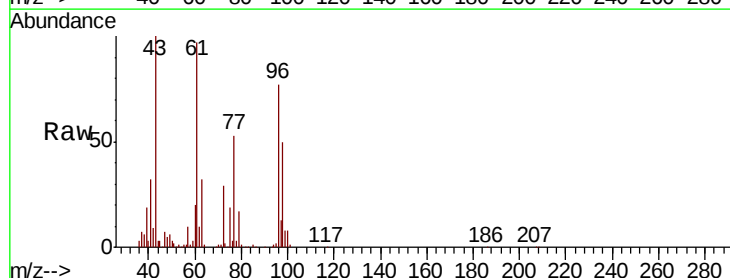
Acq: 17 Oct 2018 07:22

Tgt Ion: 77 Resp: 106592

Ion Ratio Lower Upper

77 100

97 25.2 12.2 36.4





#27

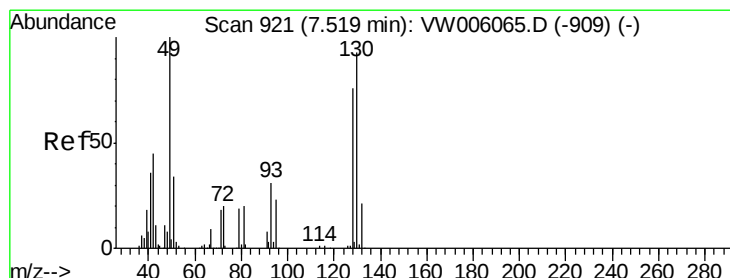
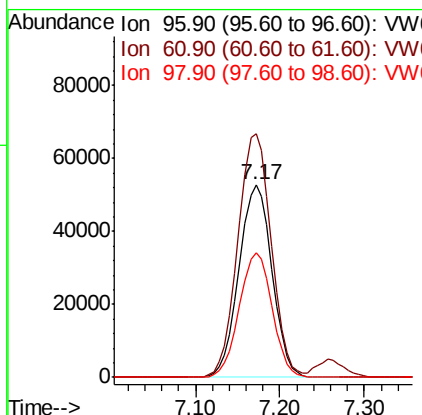
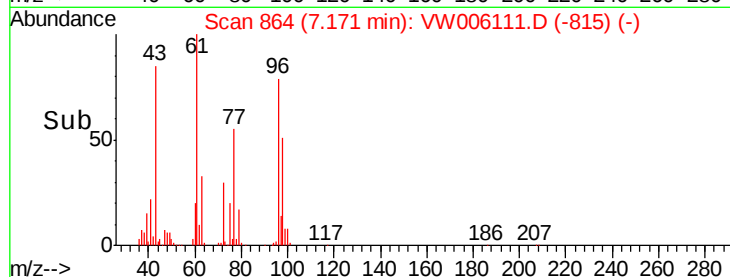
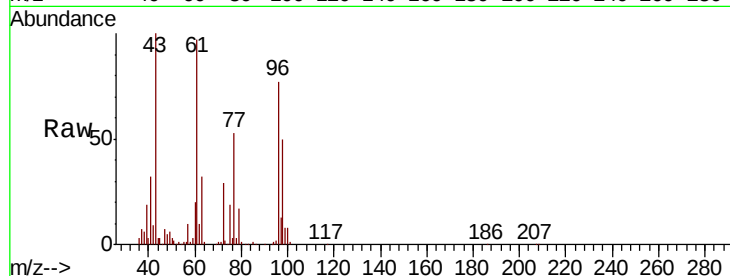
cis-1,2-Dichloroethene
 Concen: 59.288 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	267.2
98	64.2	0.0	128.6

Manual Integrations
 APPROVED

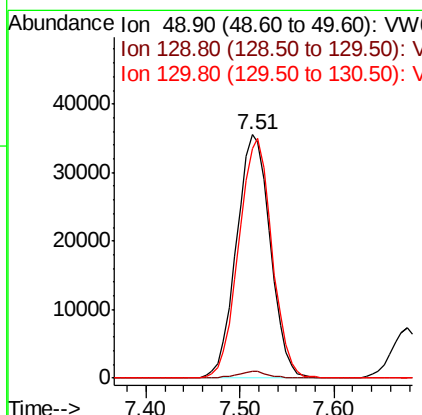
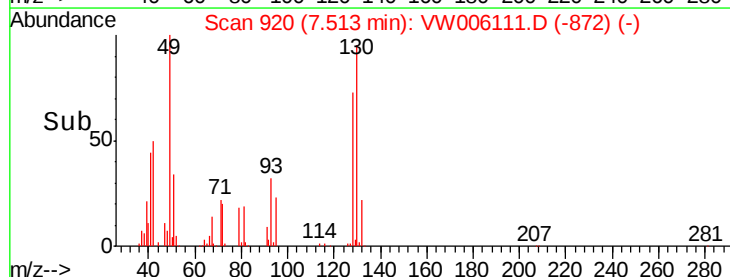
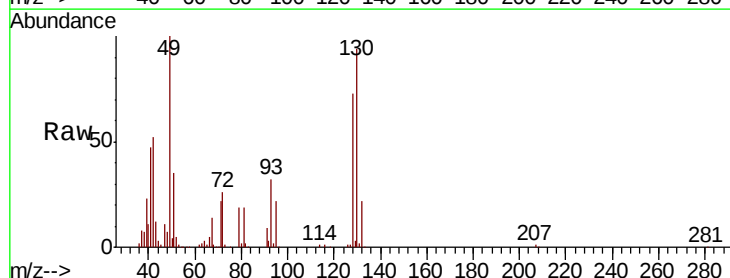
apatel
 10/17/2018 10:05:13 AM

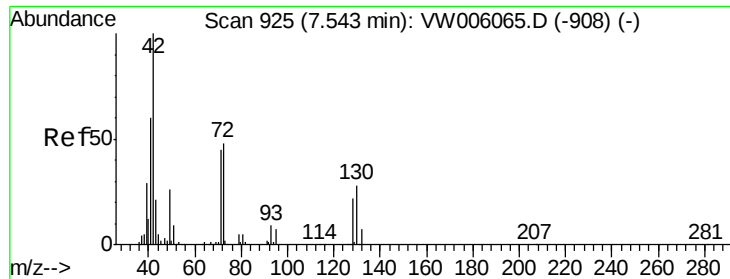


#28

Bromochloromethane
 Concen: 66.017 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	5.0
130	96.5	73.8	110.8





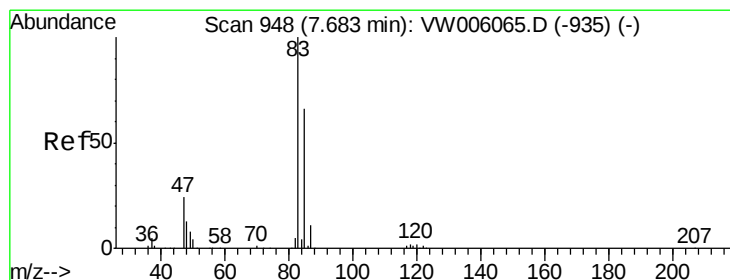
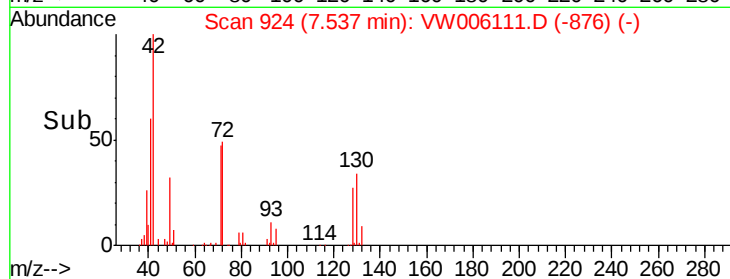
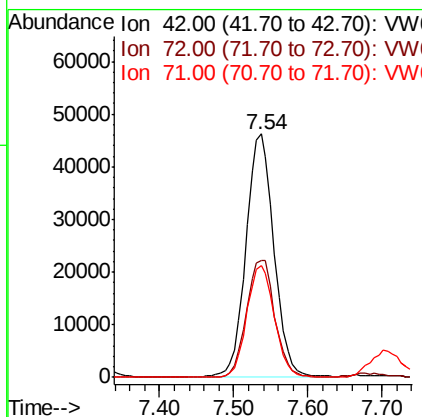
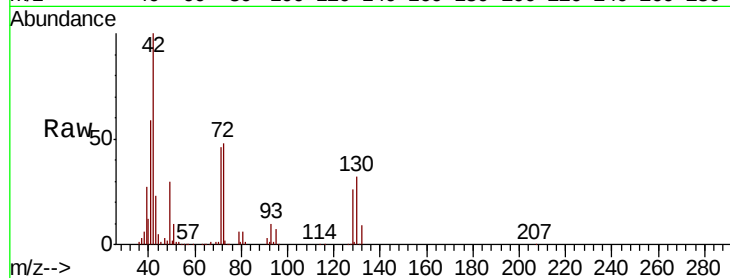
#29
Tetrahydrofuran
Concen: 386.880 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.0	57.0
71	45.2	35.3	52.9

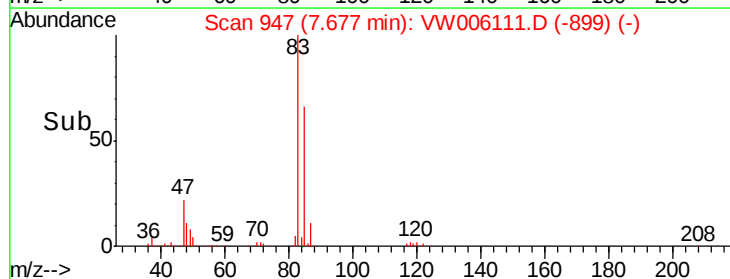
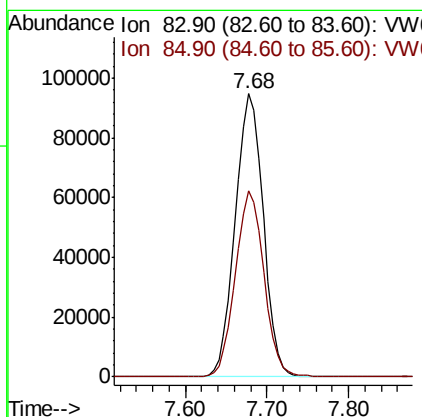
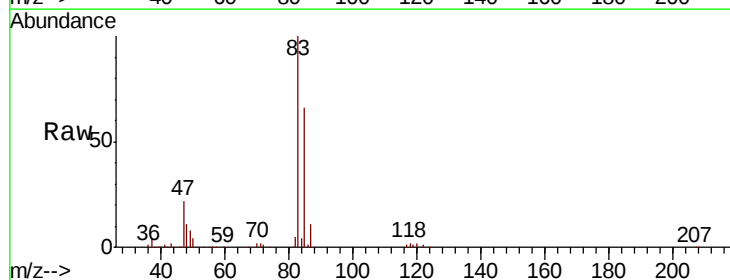
Manual Integrations
APPROVED

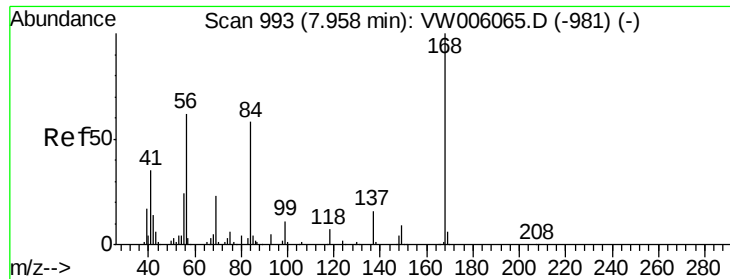
apatel
10/17/2018 10:05:13 AM



#30
Chloroform
Concen: 59.046 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	79.0





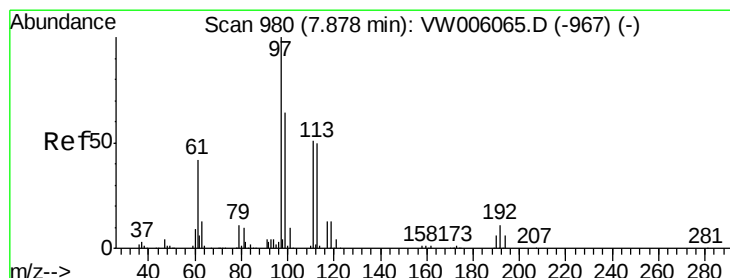
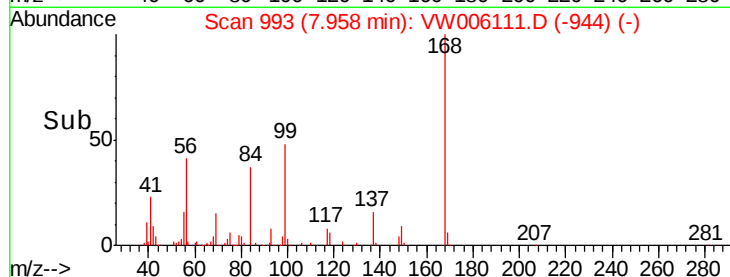
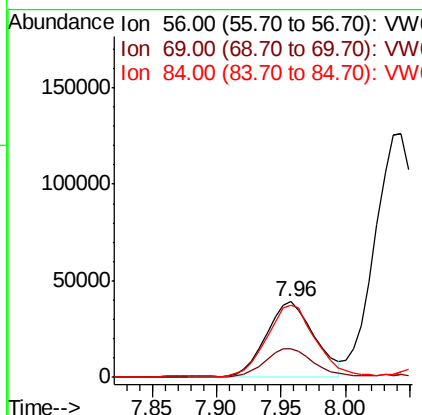
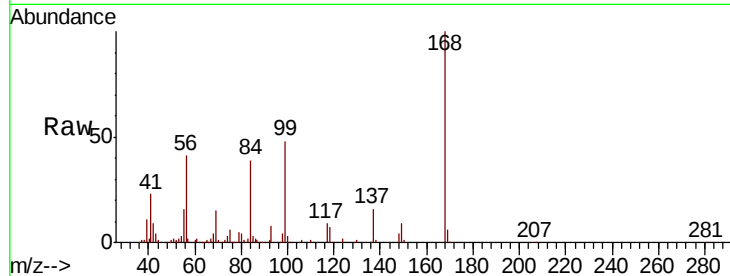
#31
Cyclohexane
Concen: 29.107 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.0	29.4	44.0	
84	92.4	74.0	111.0	

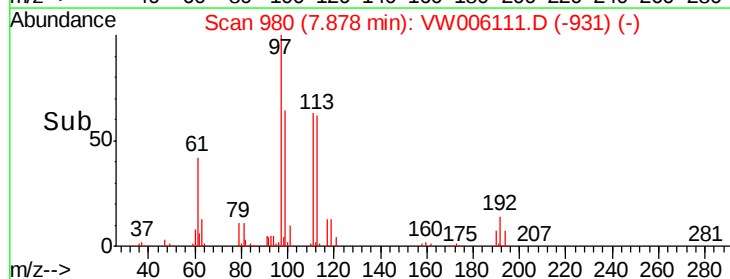
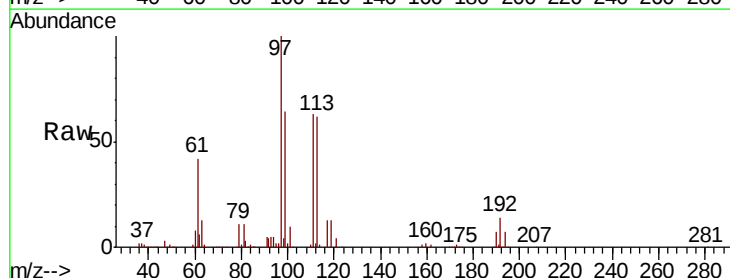
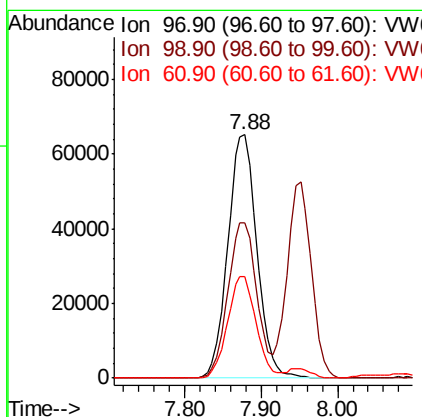
Manual Integrations
APPROVED

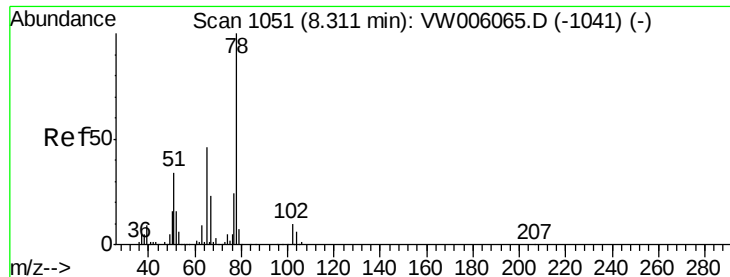
apatel
10/17/2018 10:05:13 AM



#32
1,1,1-Trichloroethane
Concen: 49.831 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.8	50.9	76.3	
61	40.7	33.7	50.5	





#33

1,2-Dichloroethane-d4

Concen: 59.811 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 65 Resp: 113995

Ion Ratio Lower Upper

65 100

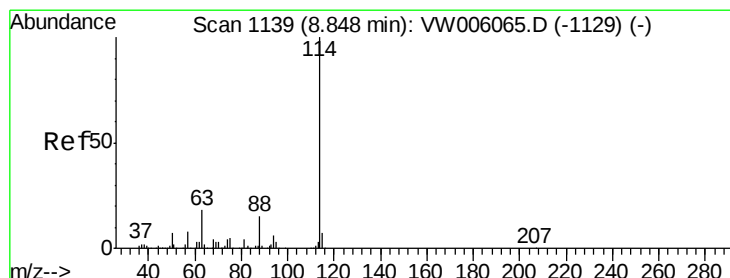
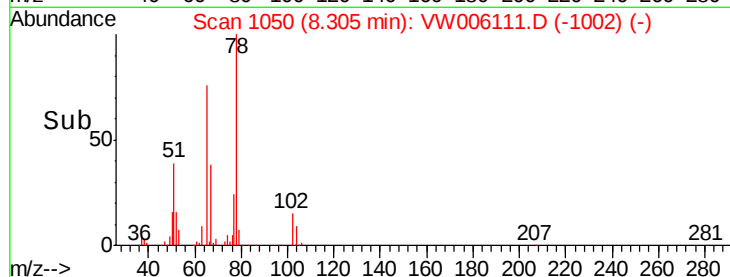
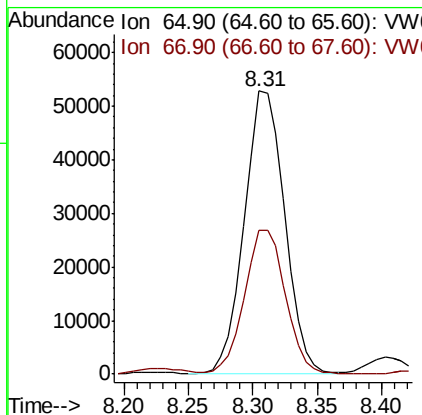
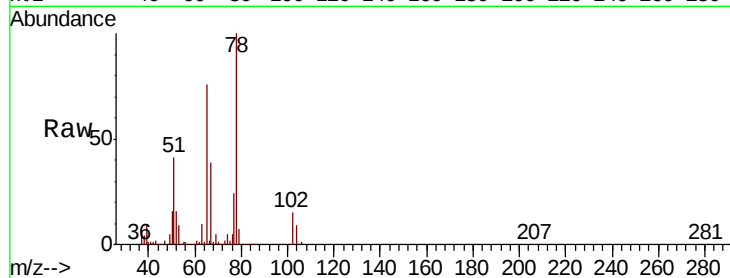
67 52.0 0.0 101.0

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

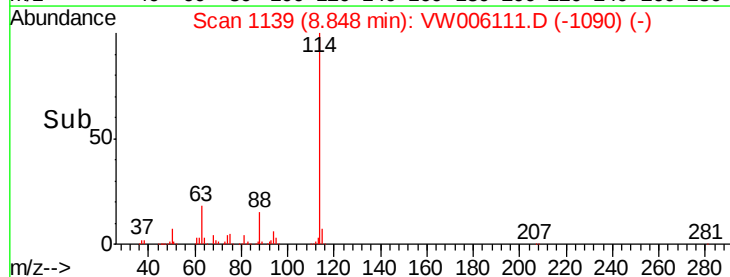
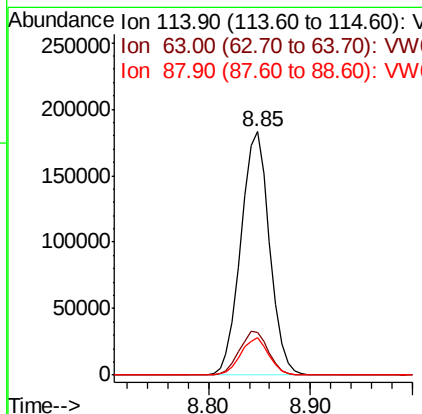
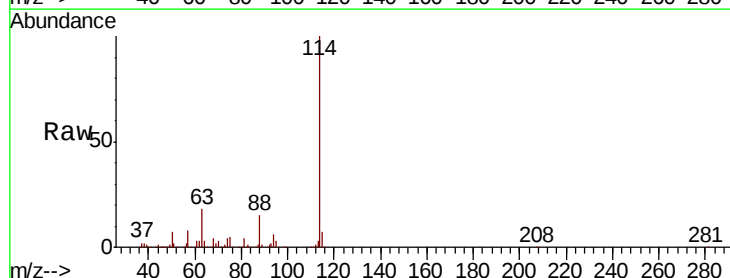
Tgt Ion: 114 Resp: 357464

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 15.2 0.0 29.0





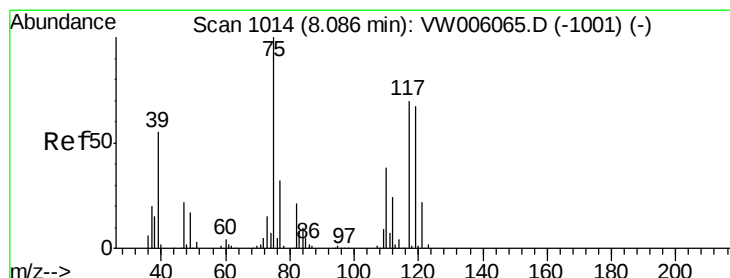
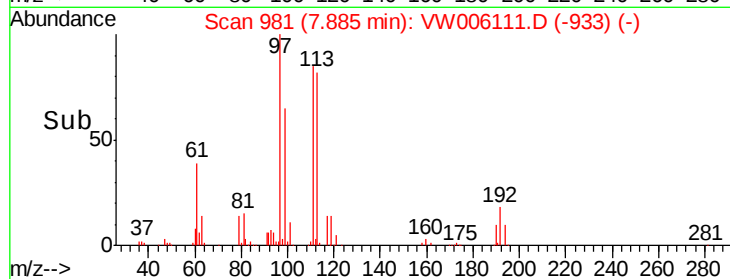
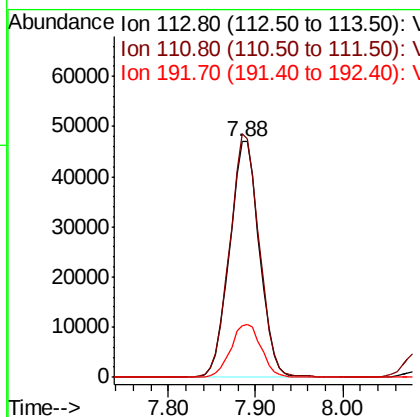
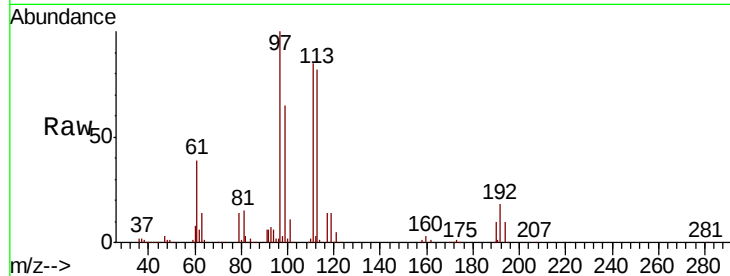
#35
 Dibromofluoromethane
 Concen: 52.746 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.0
192	22.7	18.7	28.1

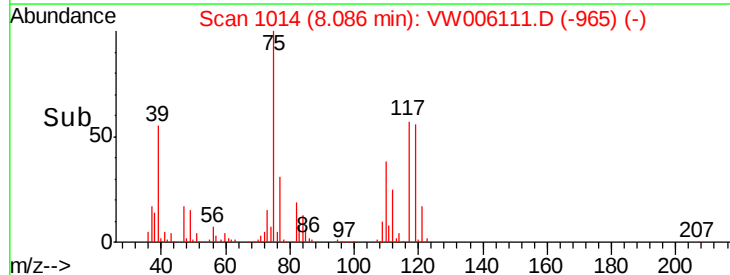
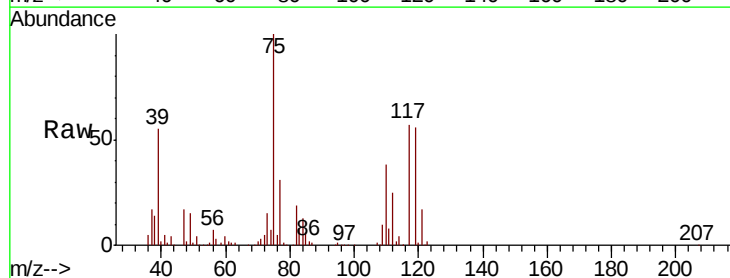
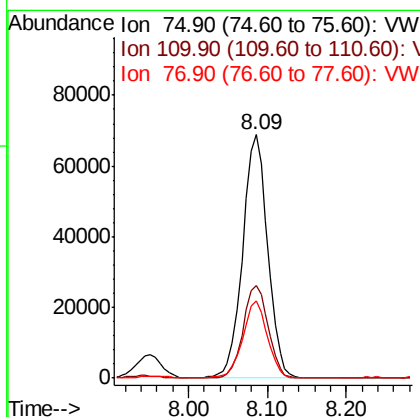
Manual Integrations
 APPROVED

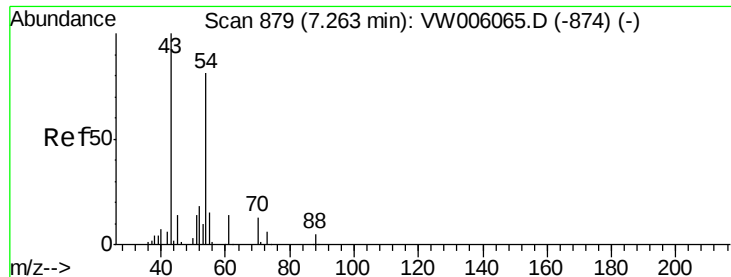
apatel
 10/17/2018 10:05:13 AM



#36
 1,1-Dichloropropene
 Concen: 46.145 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.1	57.1
77	31.4	25.0	37.4





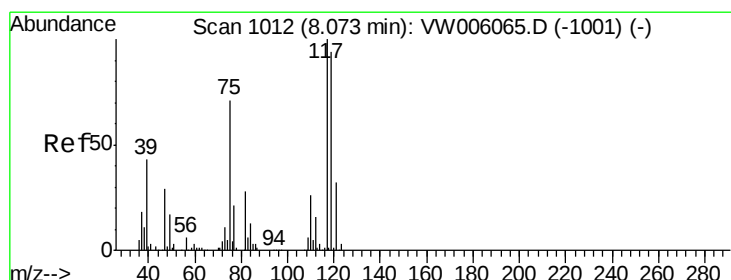
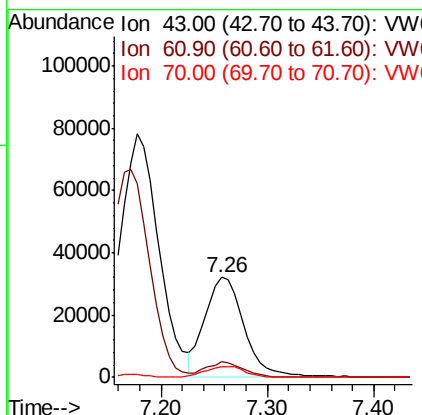
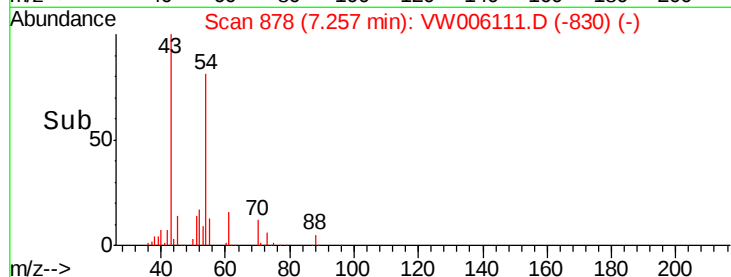
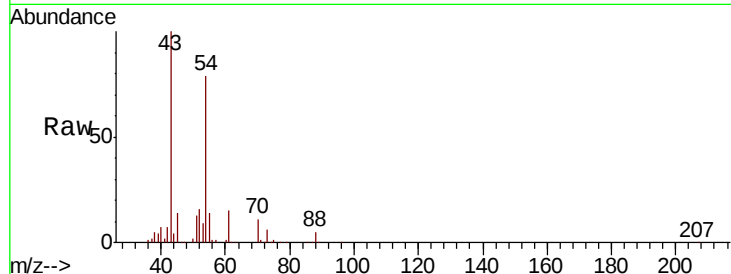
#37
Ethyl Acetate
Concen: 65.193 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	11.7	9.2	13.8

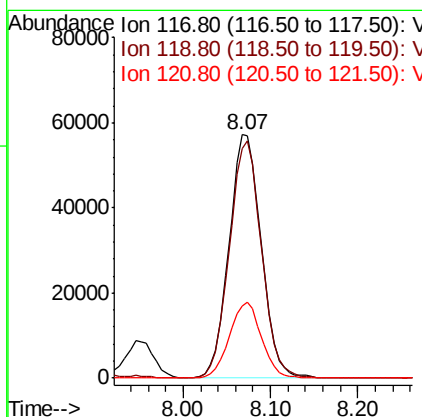
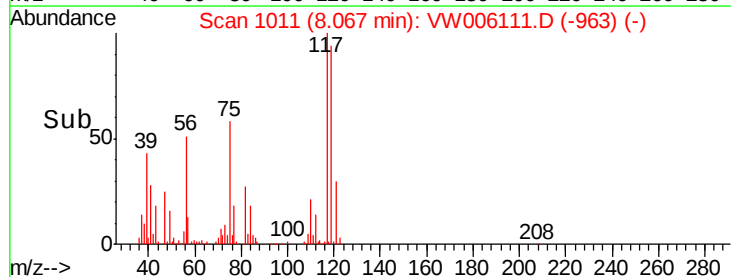
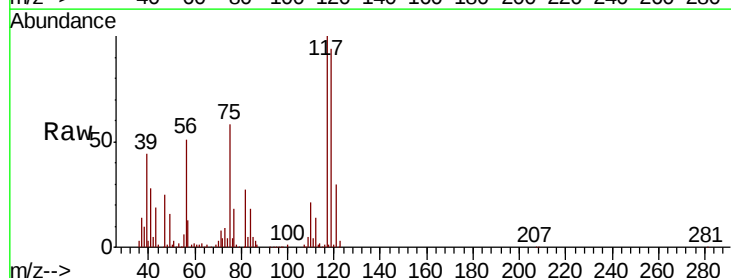
Manual Integrations
APPROVED

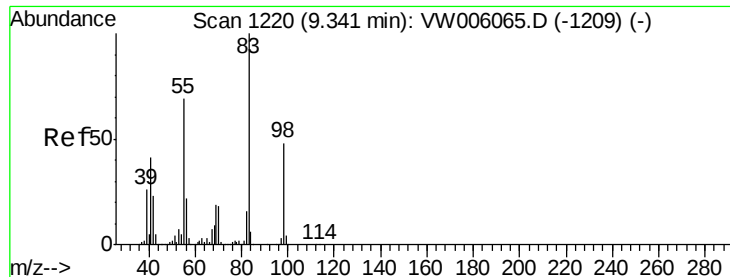
apatel
10/17/2018 10:05:13 AM



#38
Carbon Tetrachloride
Concen: 40.606 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	75.2	112.8
121	29.8	25.3	37.9





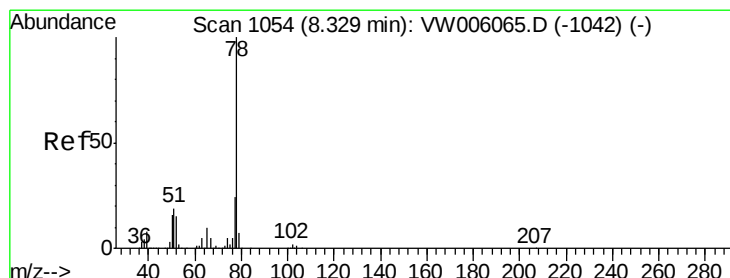
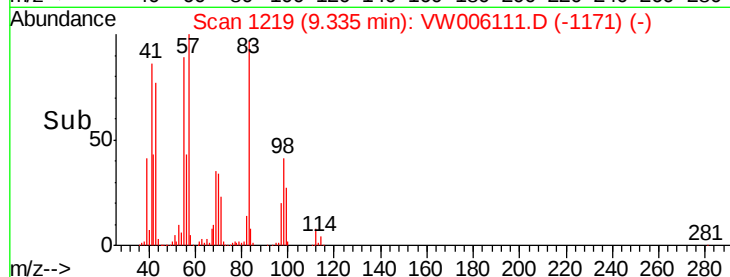
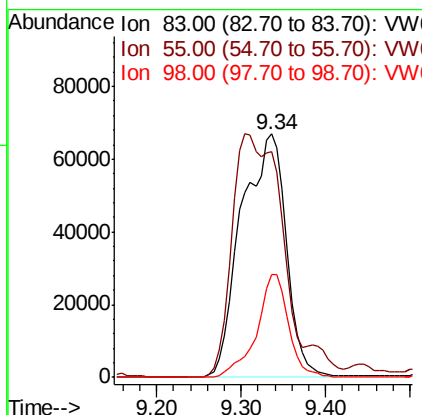
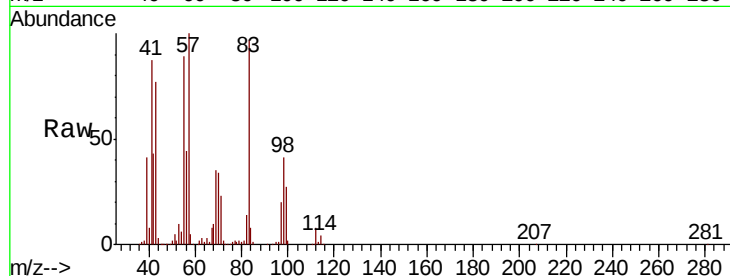
#39
Methvlcvclohexane
Concen: 55.521 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.4	55.0	82.6#
98	42.4	38.6	57.8

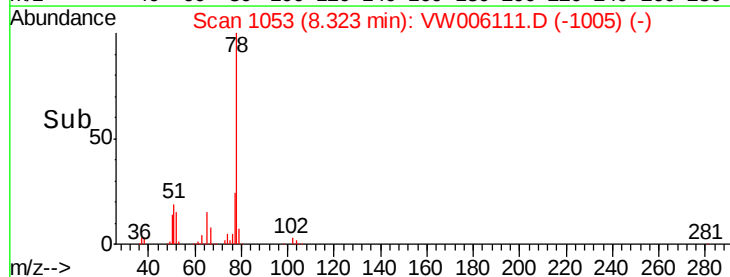
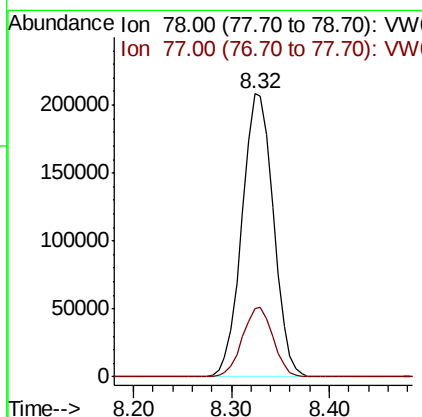
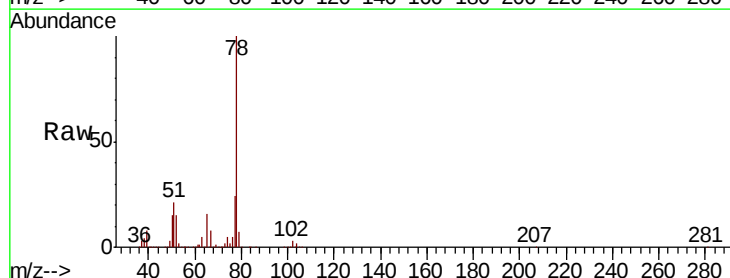
Manual Integrations
APPROVED

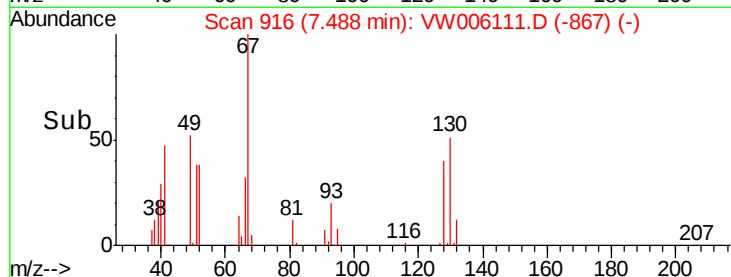
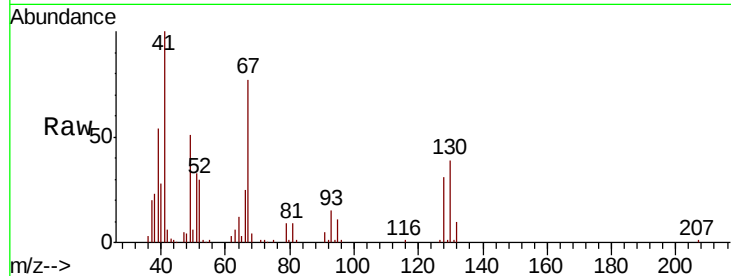
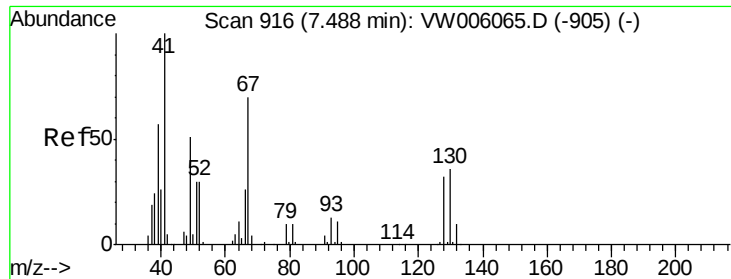
apatel
10/17/2018 10:05:13 AM



#40
Benzene
Concen: 51.556 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





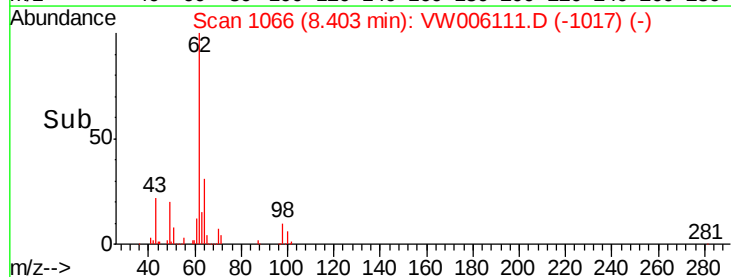
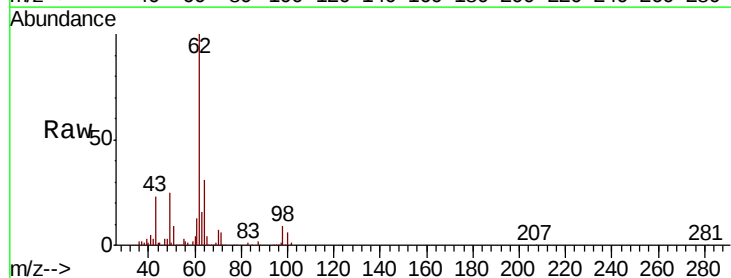
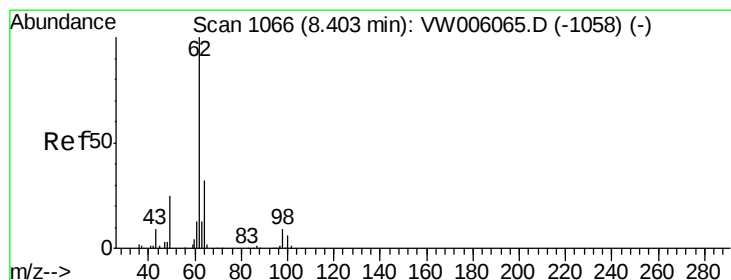
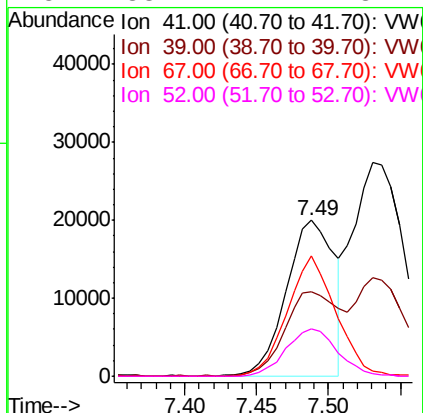
#41
Methacrylonitrile
Concen: 62.614 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	46207		
39	39	63.9		46.2	69.4
67	67	78.1		57.7	86.5
52	52	33.1		24.7	37.1

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

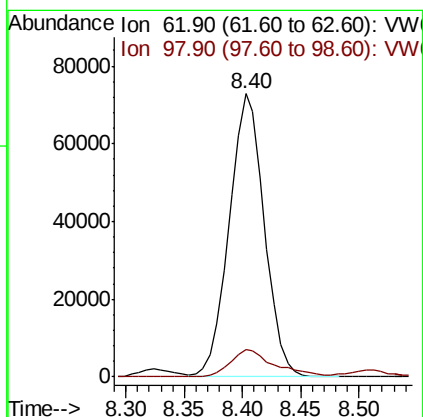
Manual Integrations
APPROVED

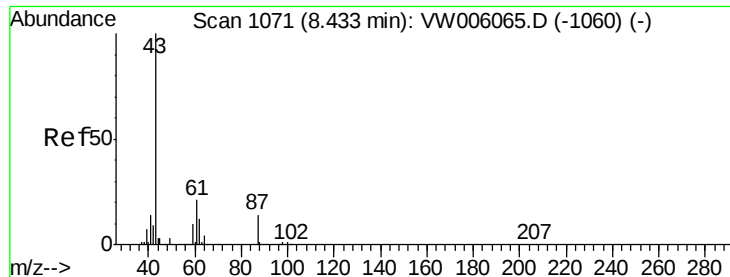
apatel
10/17/2018 10:05:13 AM



#42
1,2-Dichloroethane
Concen: 57.214 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	151922		
98	98	12.3		0.0	18.4





#43

Isopropyl Acetate

Concen: 82.423 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

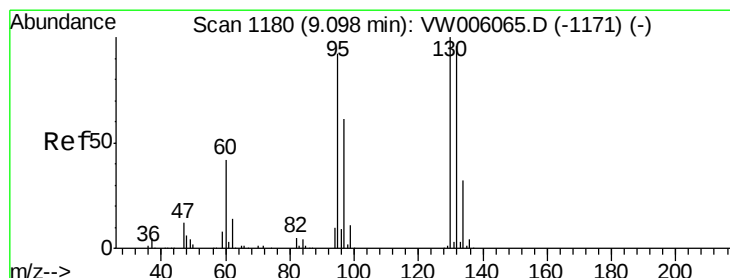
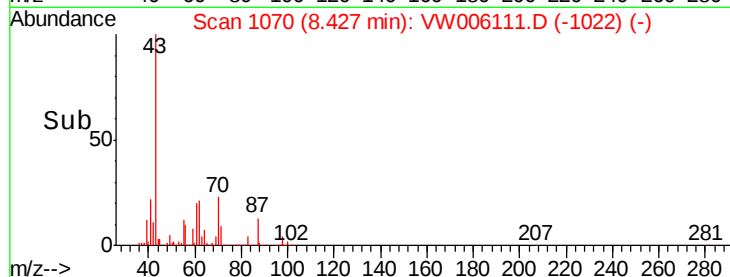
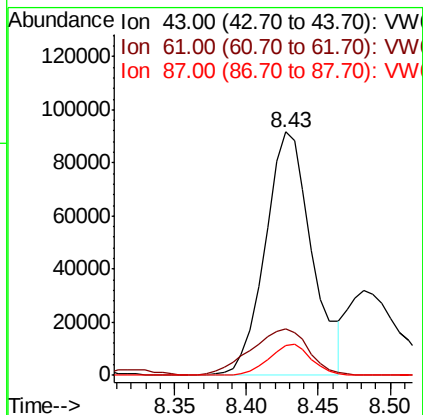
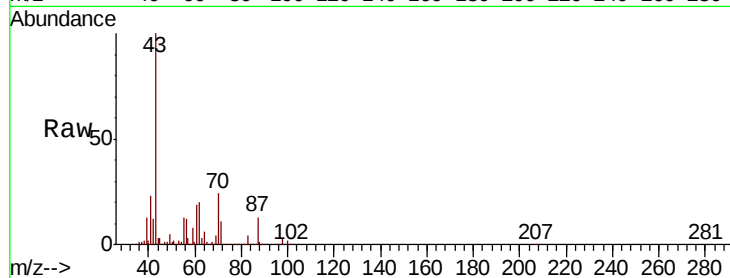
ClientSampleId :

SB-10-5-7FTMS

Tot Ion:	43	Resp:	206300
Ion	Ratio	Lower	Upper
43	100		
61	23.7	25.5	38.3#
87	11.7	11.7	17.5

Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



#44

Trichloroethene

Concen: 47.155 ug/l

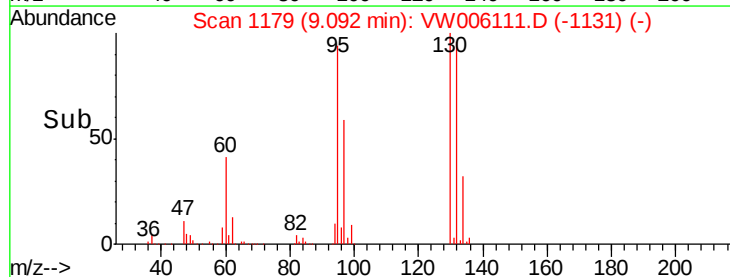
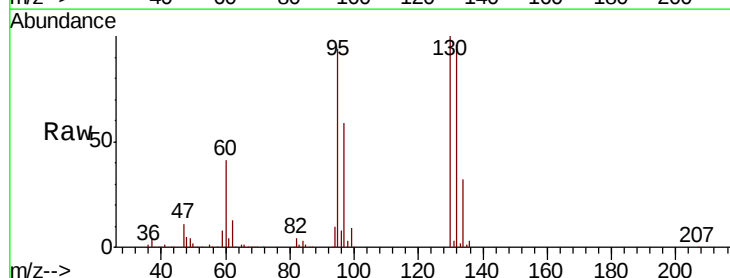
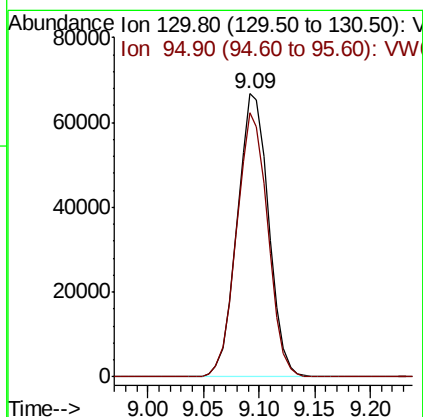
RT: 9.09 min Scan# 1179

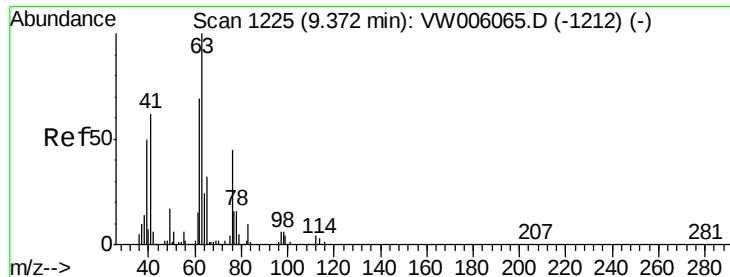
Delta R.T. -0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion:	130	Resp:	130754
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	183.2





#45

1,2-Dichloropropane

Concen: 52.880 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 63 Resp: 114365

Ion Ratio Lower Upper

63 100

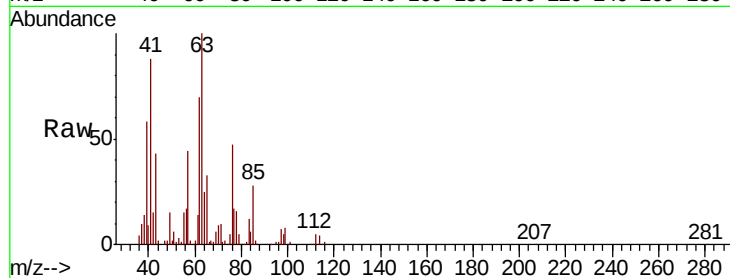
65 32.5 25.4 38.0

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

60000

50000

40000

30000

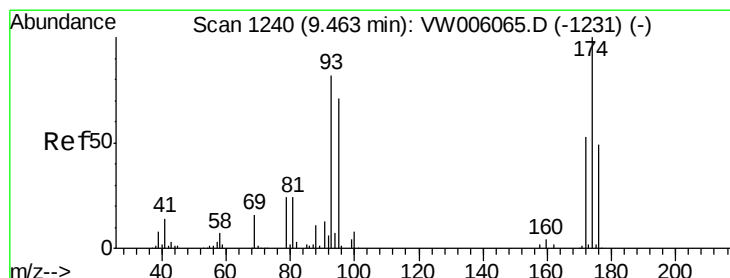
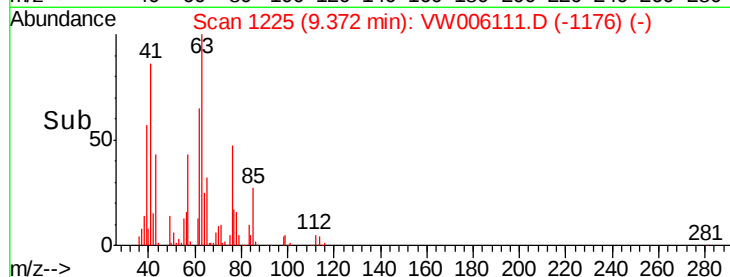
20000

10000

0

9.20 9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 57.367 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

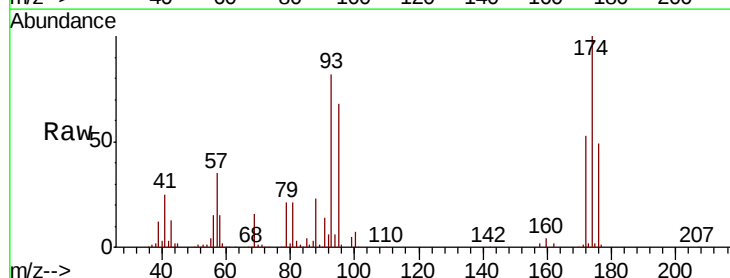
Tgt Ion: 93 Resp: 70713

Ion Ratio Lower Upper

93 100

95 86.3 67.7 101.5

174 119.7 93.7 140.5



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V

60000

50000

40000

30000

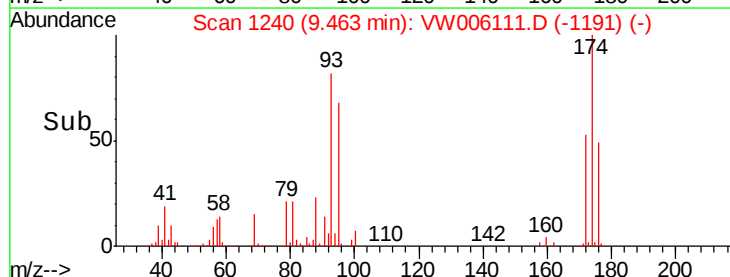
20000

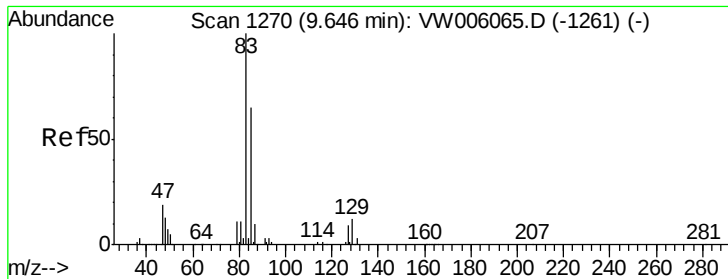
10000

0

9.40 9.50

Time-->





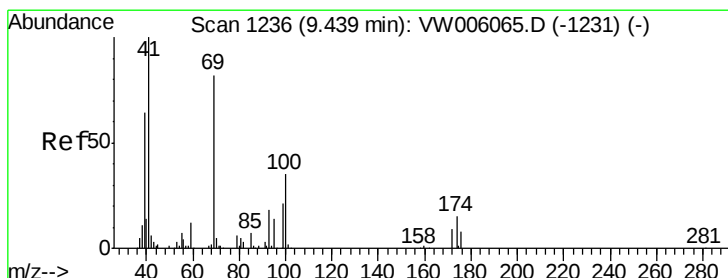
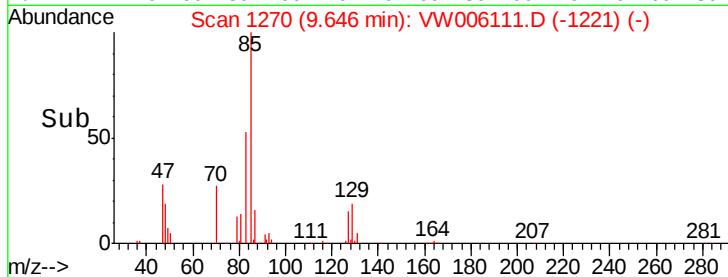
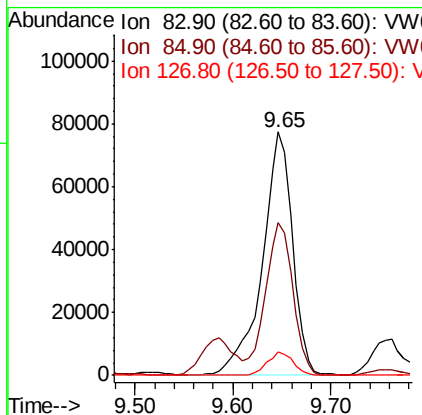
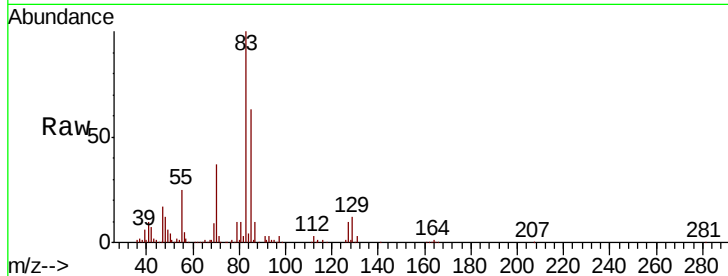
#47
 Bromodichloromethane
 Concen: 55.407 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	165584		
85	62.9		51.8	77.8
127	9.6		6.9	10.3

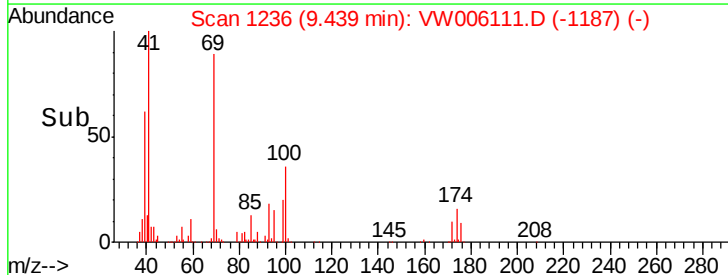
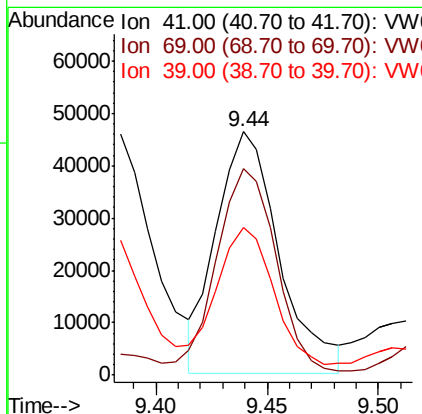
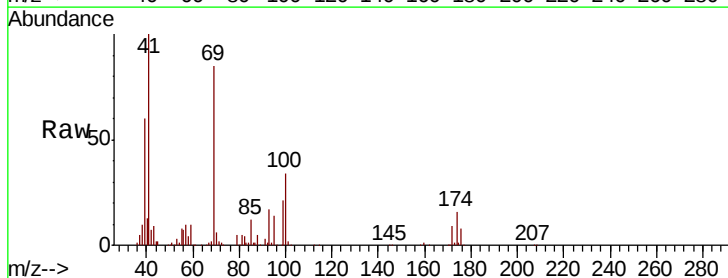
Manual Integrations
 APPROVED

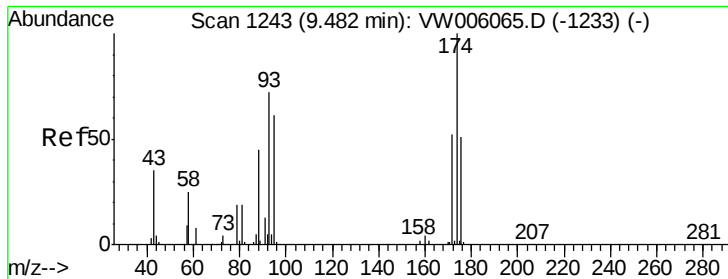
apatel
 10/17/2018 10:05:13 AM



#48
 Methyl methacrylate
 Concen: 76.747 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	91055		
69	81.4		71.8	107.8
39	59.5		52.5	78.7





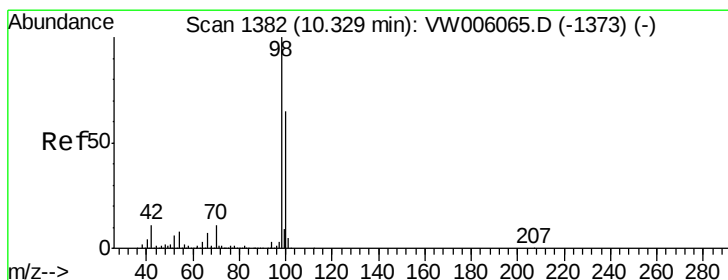
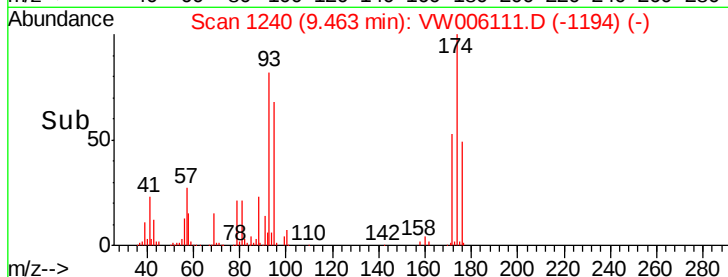
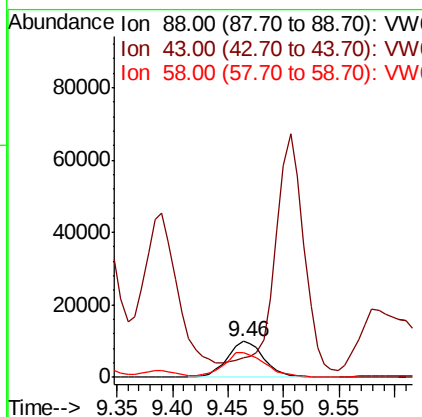
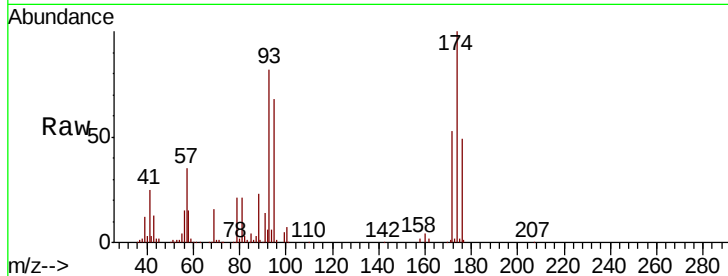
#49
1,4-Dioxane
Concen: 1186.753 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.02 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	79.9	51.2	76.8

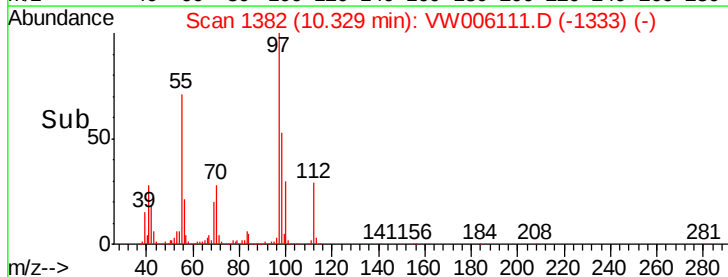
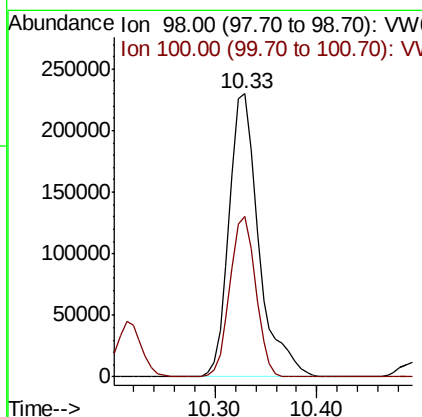
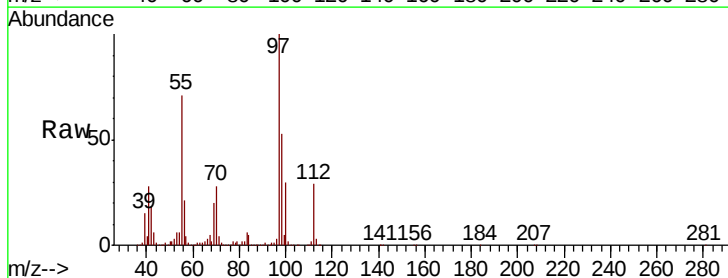
Manual Integrations
APPROVED

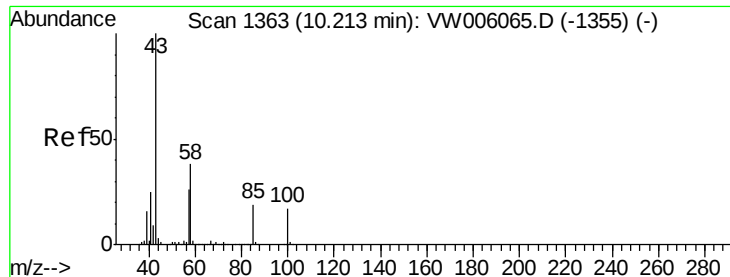
apatel
10/17/2018 10:05:13 AM



#50
Toluene-d8
Concen: 57.739 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	49.0	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 353.282 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 43 Resp: 443042

Ion Ratio Lower Upper

43 100

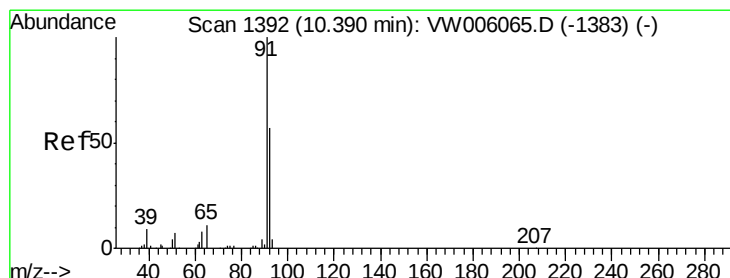
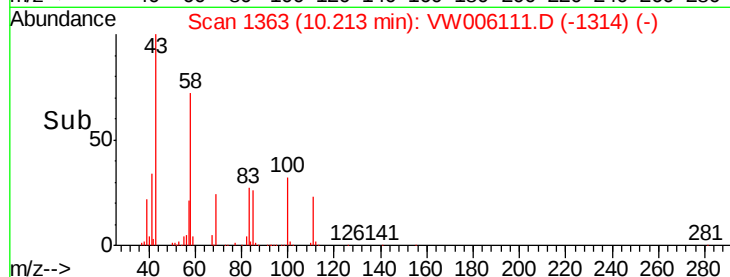
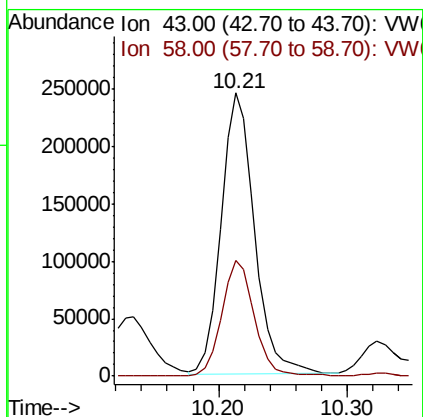
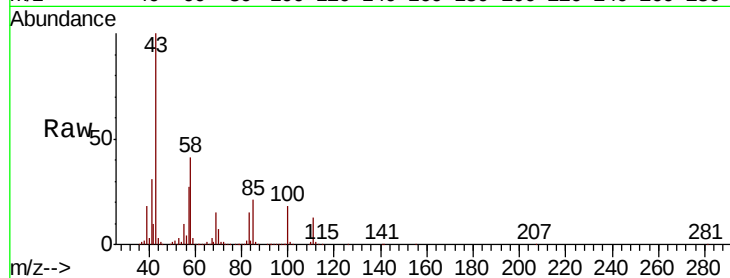
58 40.4 31.5 47.3

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



#52

Toluene

Concen: 43.375 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006111.D

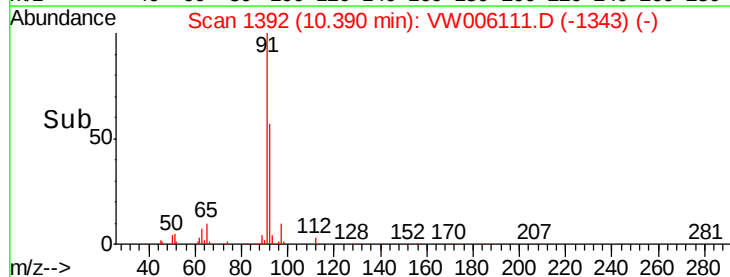
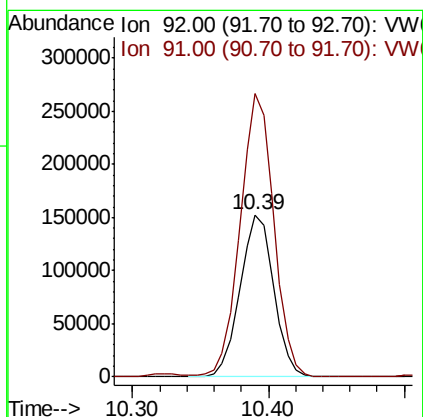
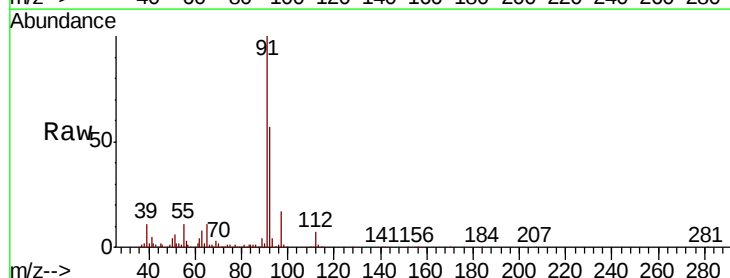
Acq: 17 Oct 2018 07:22

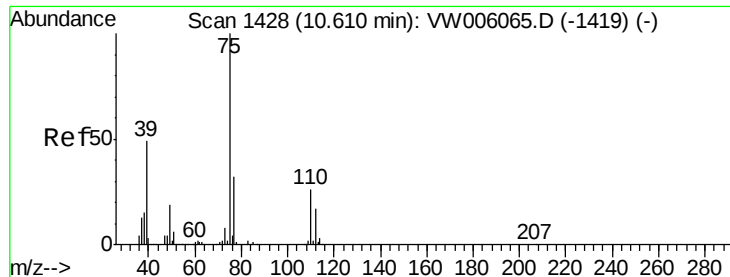
Tgt Ion: 92 Resp: 262819

Ion Ratio Lower Upper

92 100

91 174.0 140.0 210.0





#53

t-1,3-Dichloropropene

Concen: 47.642 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 75 Resp: 141855

Ion Ratio Lower Upper

75 100

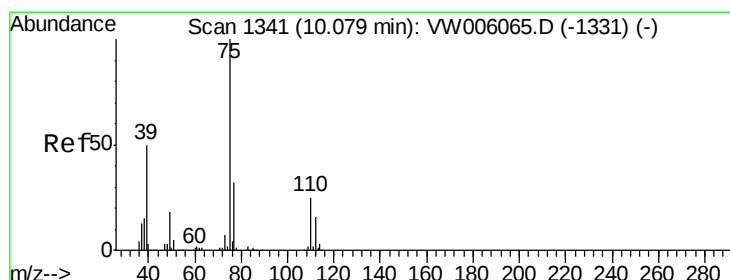
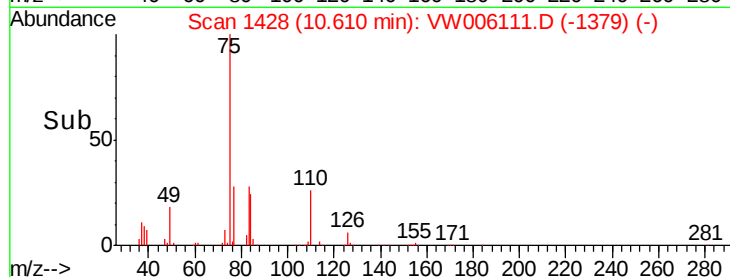
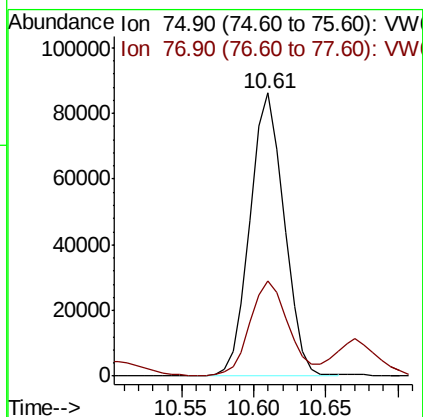
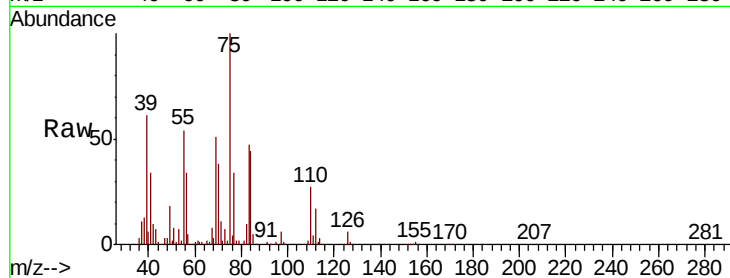
77 33.4 25.4 38.2

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



#54

cis-1,3-Dichloropropene

Concen: 46.530 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

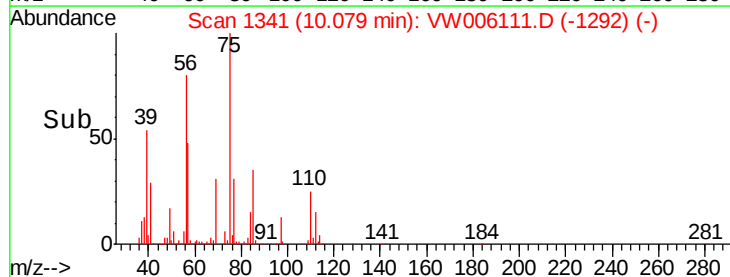
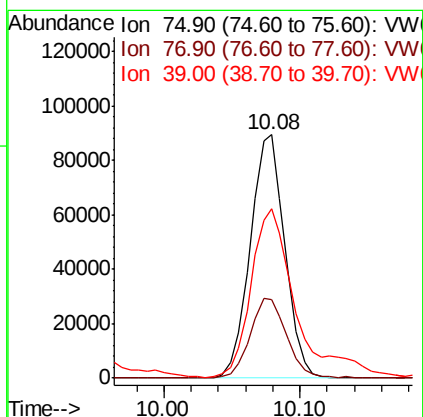
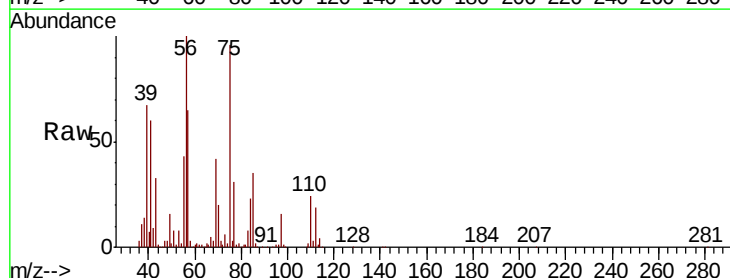
Tgt Ion: 75 Resp: 159004

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 68.9 39.9 59.9#





#55

1,1,2-Trichloroethane

Concen: 359.739 ug/l

RT: 10.77 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

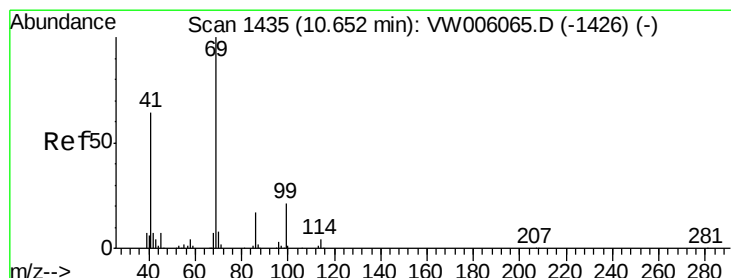
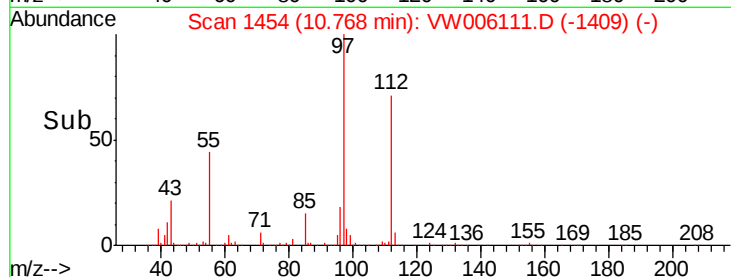
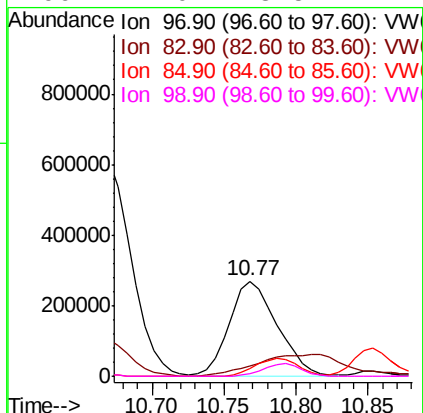
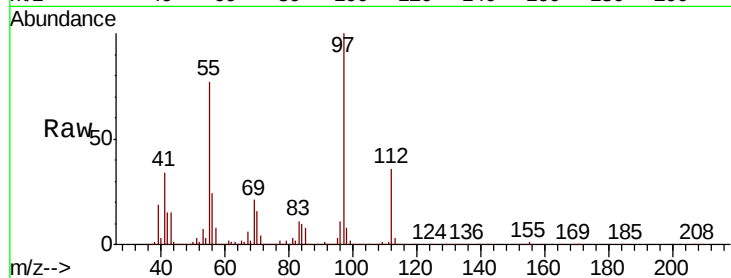
ClientSampleId :

SB-10-5-7FTMS

Tot Ion:	97	Resp:	620534
Ion	Ratio	Lower	Upper
97	100		
83	10.3	67.2	100.8#
85	7.7	43.7	65.5#
99	2.0	48.5	72.7#

Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



#56

Ethyl methacrylate

Concen: 317.322 ug/l

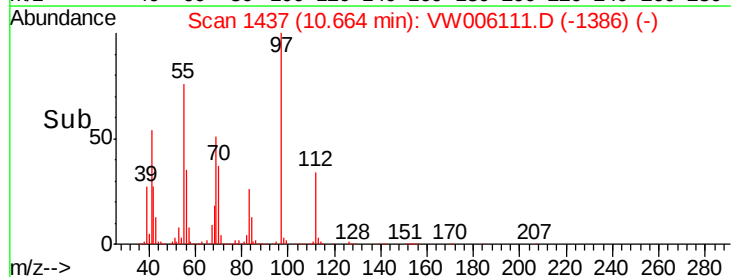
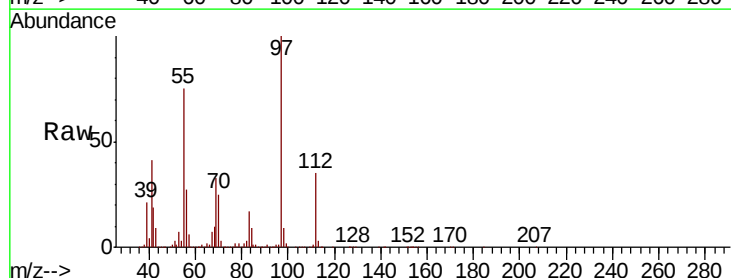
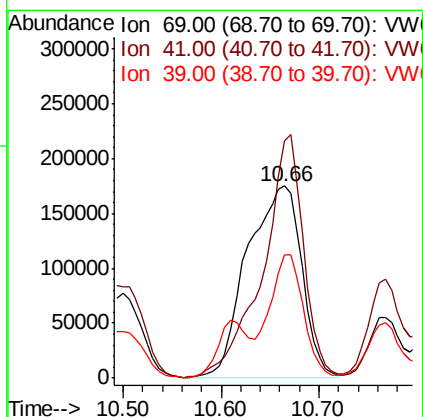
RT: 10.66 min Scan# 1437

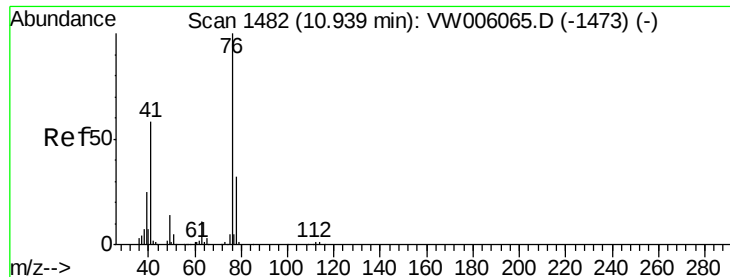
Delta R.T. 0.01 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion:	69	Resp:	671028
Ion	Ratio	Lower	Upper
69	100		
41	94.9	52.8	79.2#
39	39.0	30.6	45.8





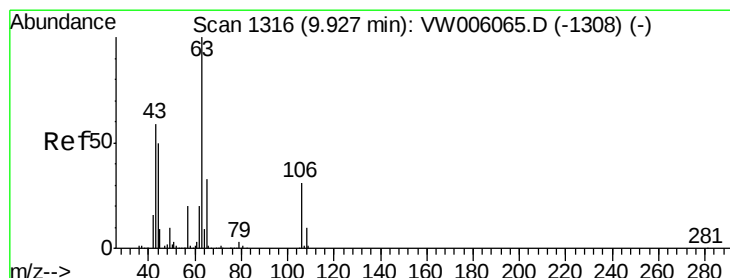
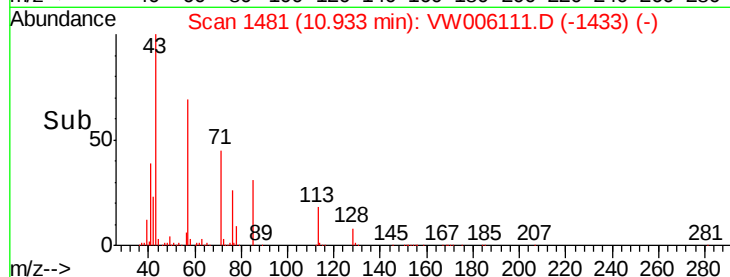
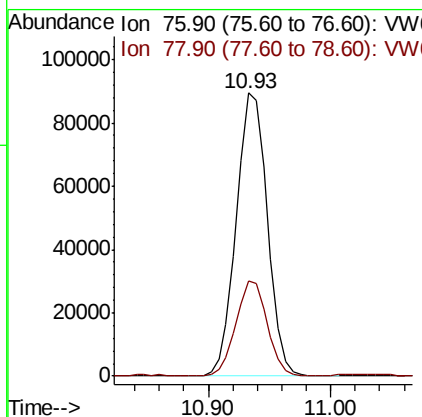
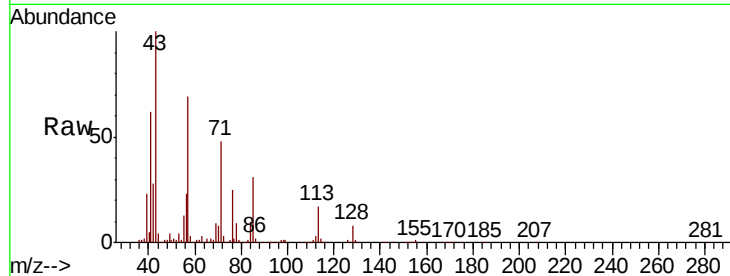
#57
 1,3-Dichloropropane
 Concen: 55.076 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.4	25.9	38.9

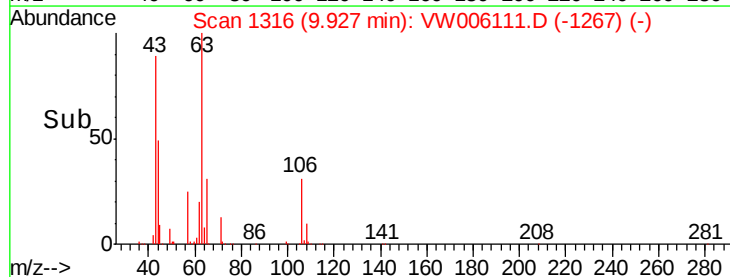
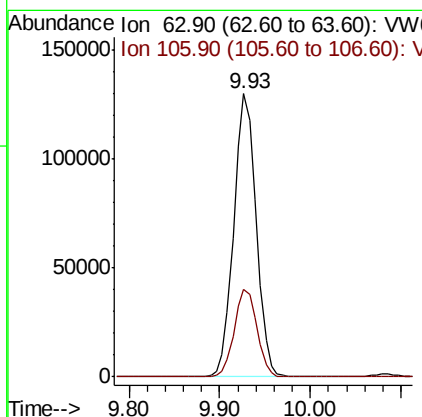
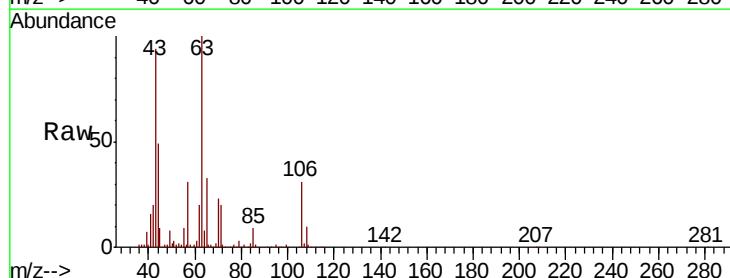
Manual Integrations
 APPROVED

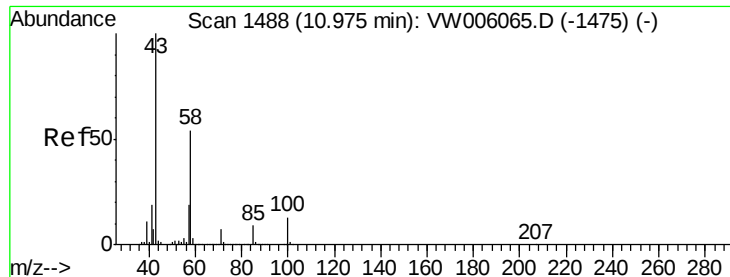
apatel
 10/17/2018 10:05:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.527 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.5	36.7





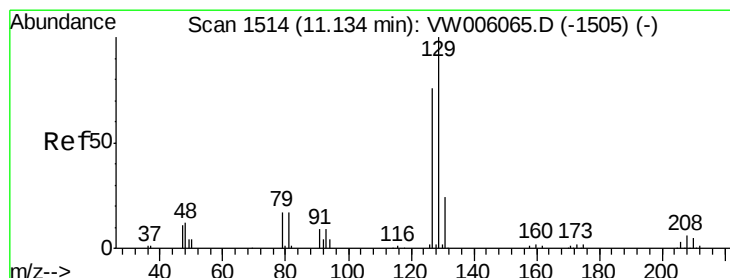
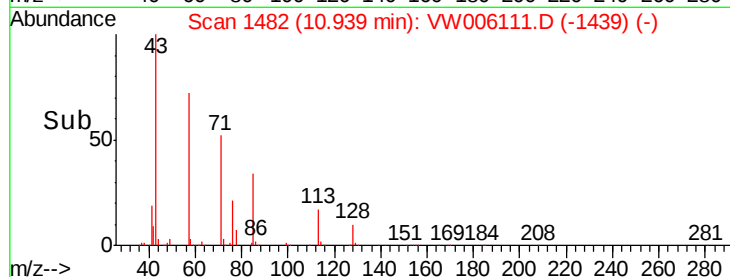
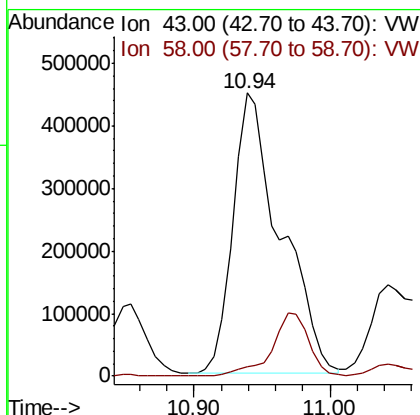
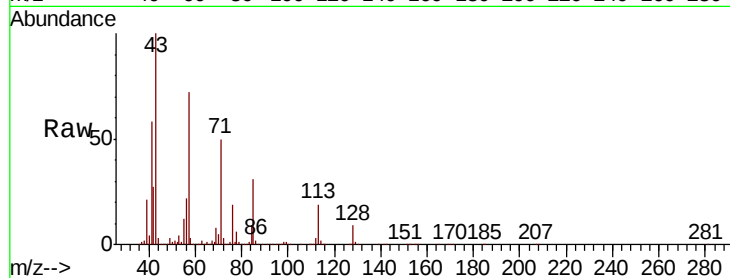
#59
2-Hexanone
Concen: 1220.327 ug/l
RT: 10.94 min Scan# 1482
Delta R.T. -0.04 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion: 43 Resp: 1092440
Ion Ratio Lower Upper
43 100
58 0.0 26.9 80.6#

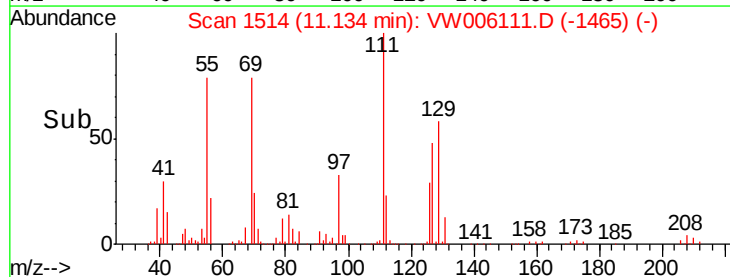
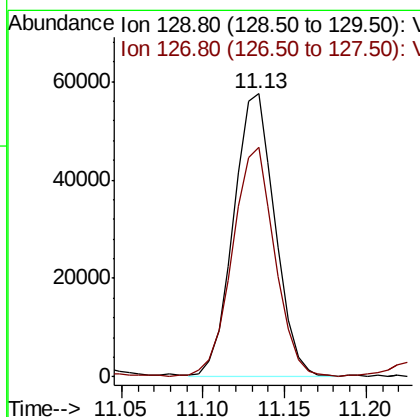
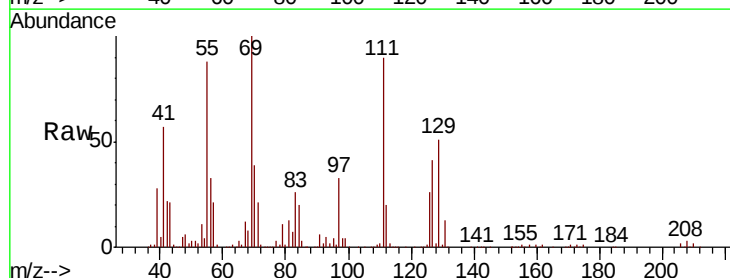
Manual Integrations
APPROVED

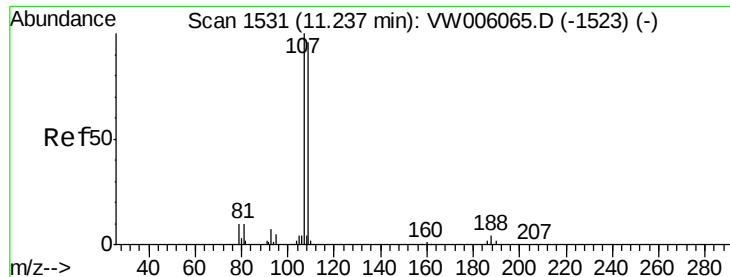
apatel
10/17/2018 10:05:13 AM



#60
Dibromochloromethane
Concen: 46.926 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion: 129 Resp: 100825
Ion Ratio Lower Upper
129 100
127 82.7 38.6 115.7





#61

1,2-Dibromoethane

Concen: 57.038 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion:107 Resp: 98308

Ion Ratio Lower Upper

107 100

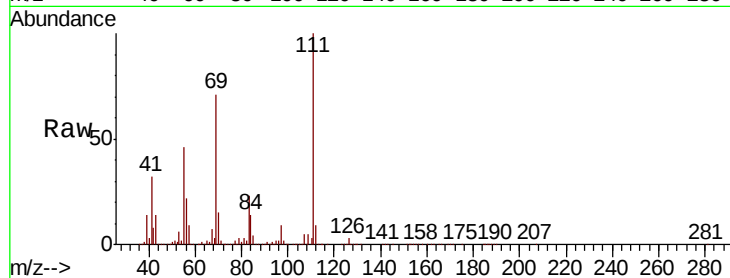
109 112.3 76.3 114.5

Manual Integrations

APPROVED

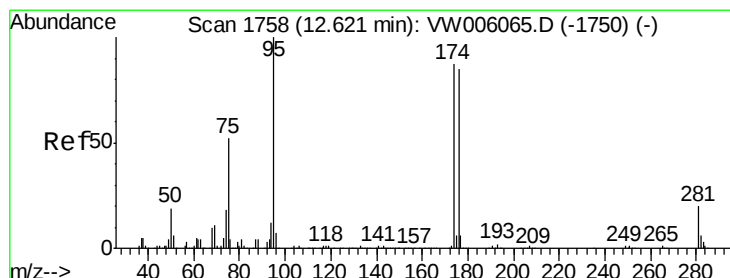
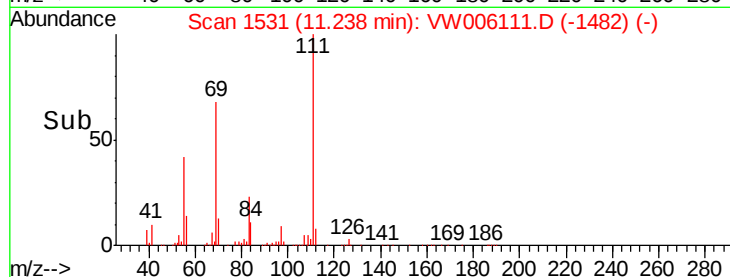
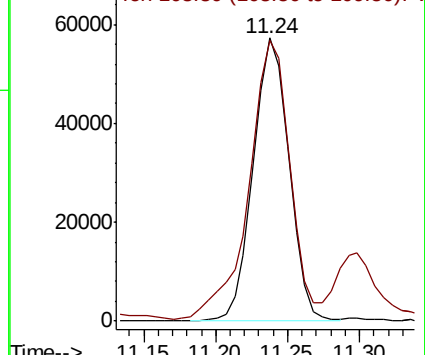
apatel

10/17/2018 10:05:13 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 119.968 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

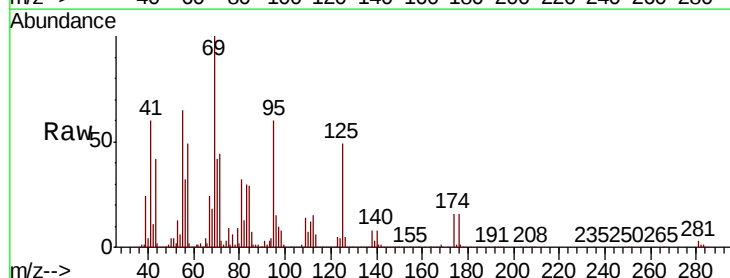
Tgt Ion: 95 Resp: 362090

Ion Ratio Lower Upper

95 100

174 26.8 0.0 186.0

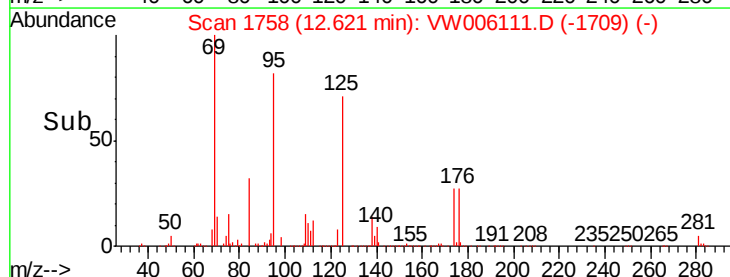
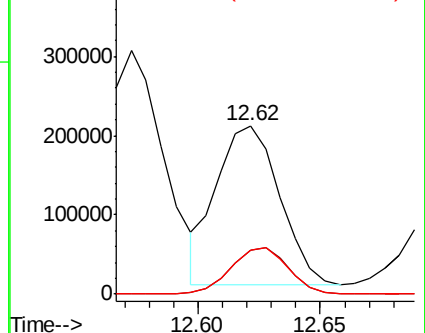
176 26.4 0.0 181.6

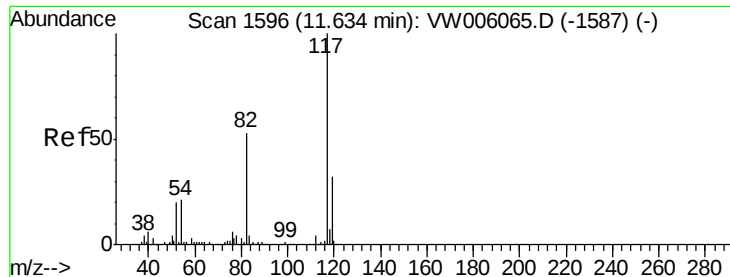


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





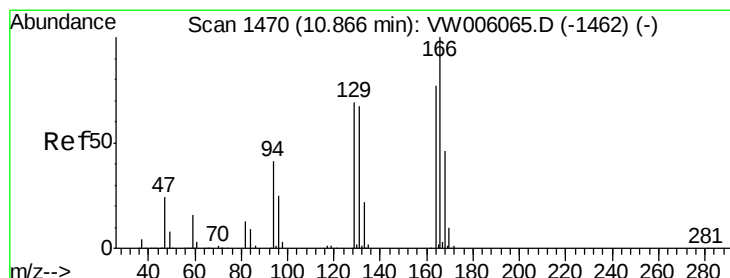
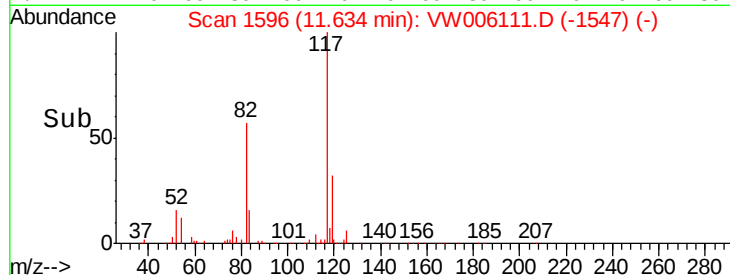
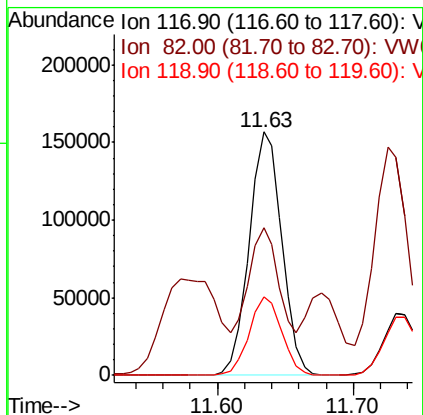
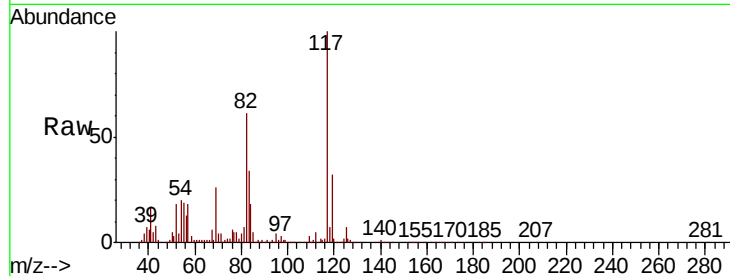
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
117	100		
82	38.9	42.1	63.1#
119	32.3	25.8	38.6

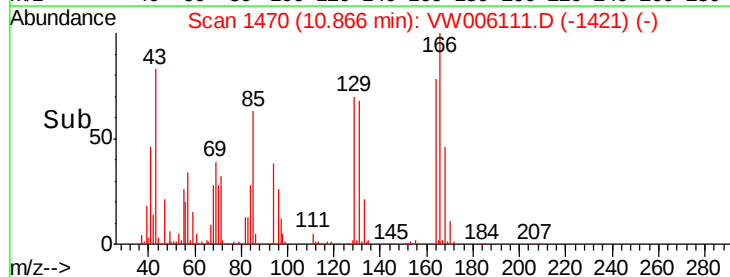
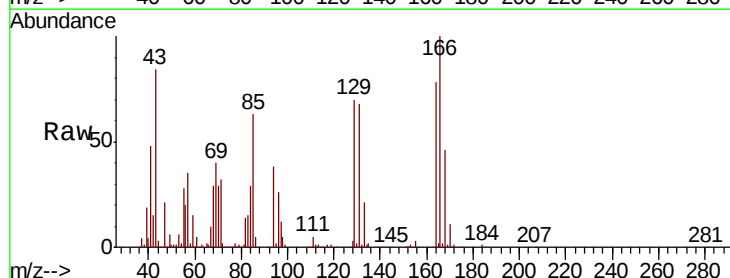
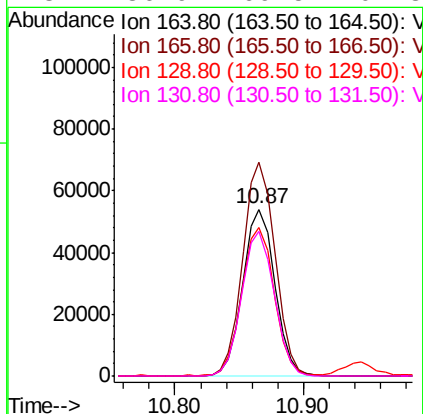
Manual Integrations
APPROVED

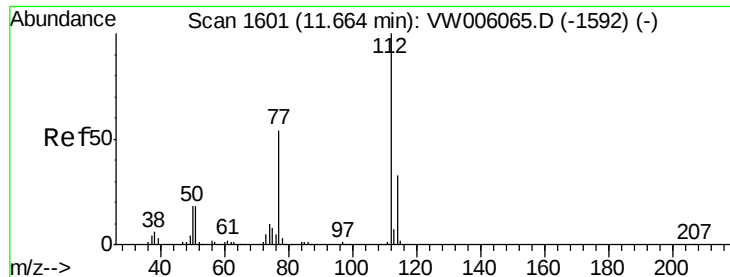
apatel
10/17/2018 10:05:13 AM



#64
Tetrachloroethene
Concen: 45.108 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.4	155.0
129	88.8	71.8	107.8
131	86.9	69.5	104.3





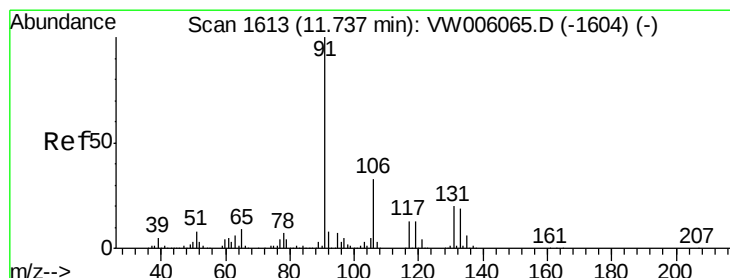
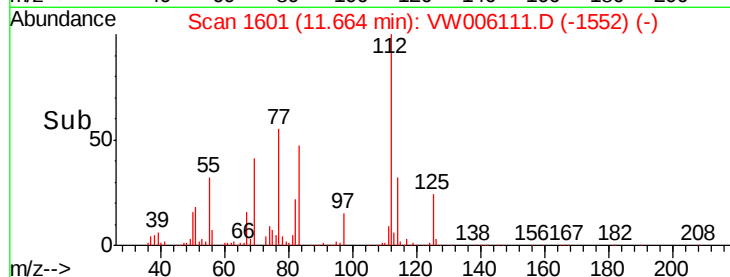
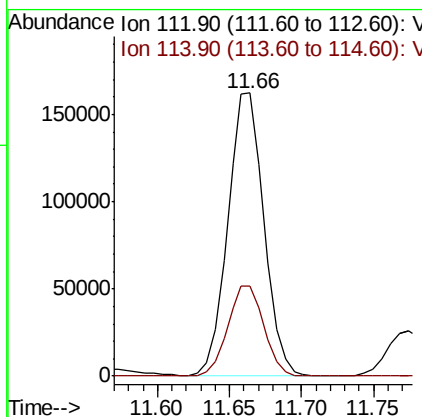
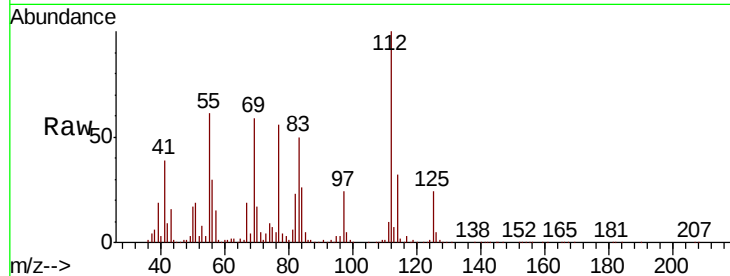
#65
Chlorobenzene
Concen: 49.842 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.2	39.2

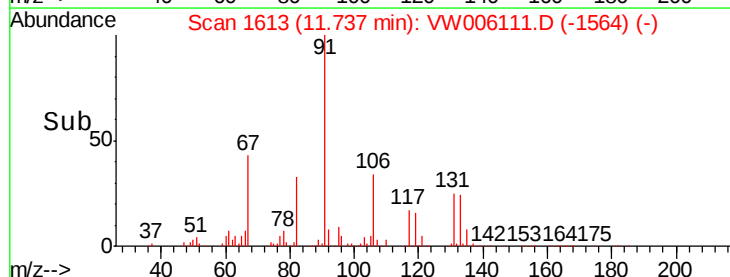
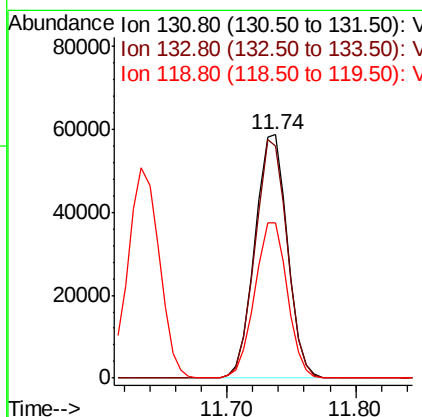
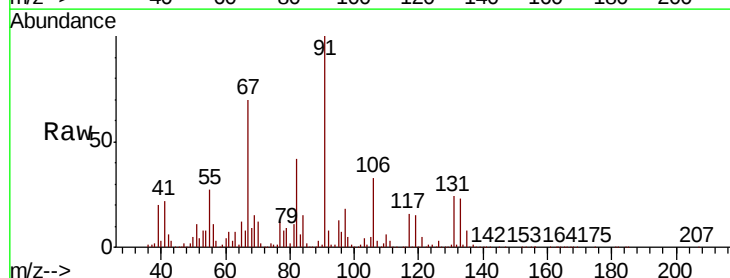
Manual Integrations
APPROVED

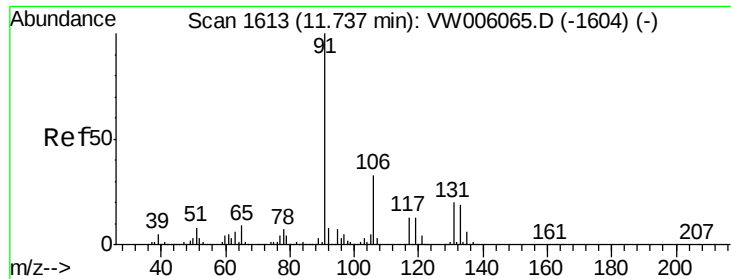
apatel
10/17/2018 10:05:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.931 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.1	144.3
119	64.2	31.6	94.7





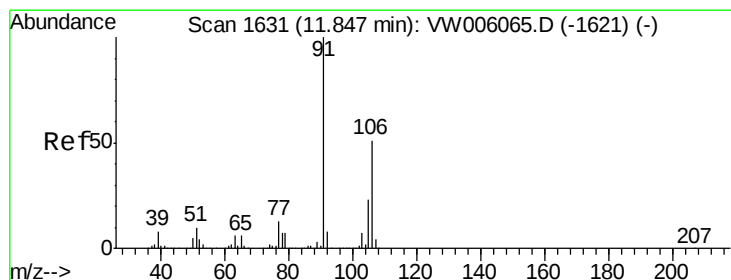
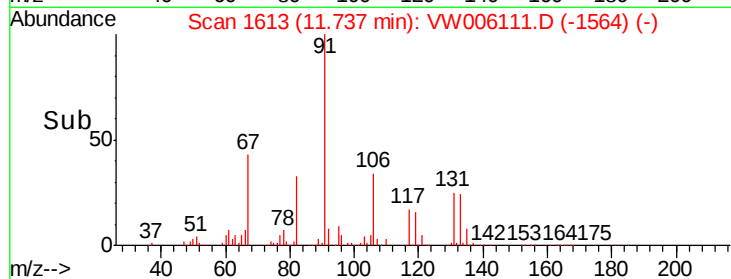
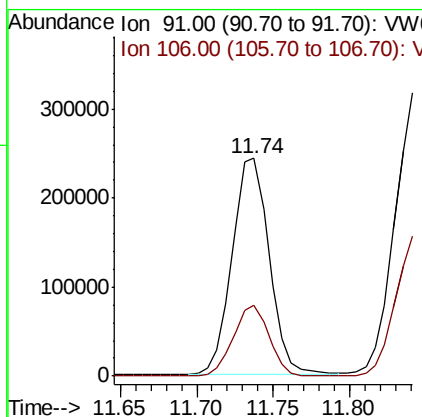
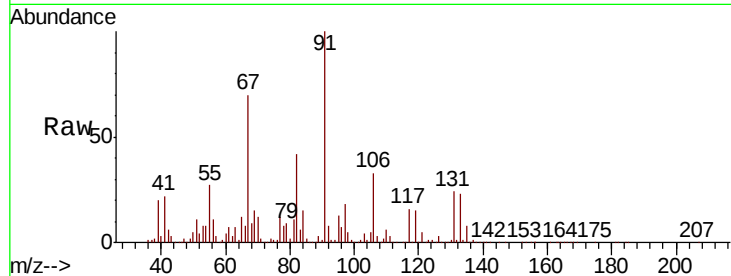
#67
Ethyl Benzene
Concen: 41.867 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion: 91 Resp: 410992
Ion Ratio Lower Upper
91 100
106 33.0 26.1 39.1

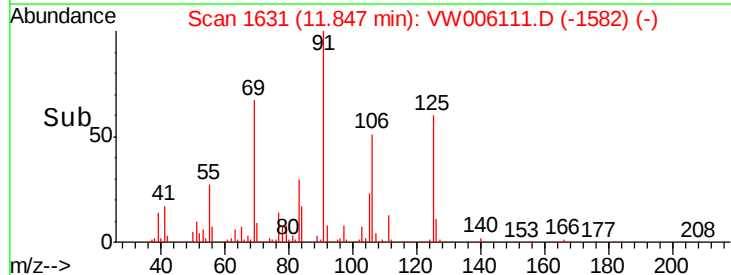
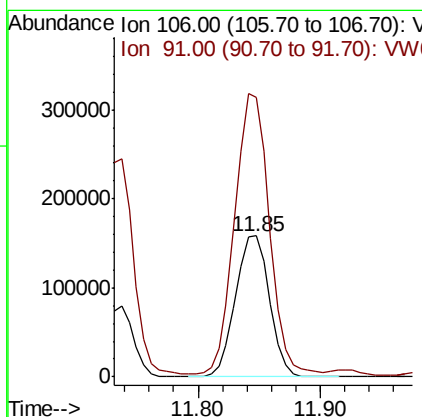
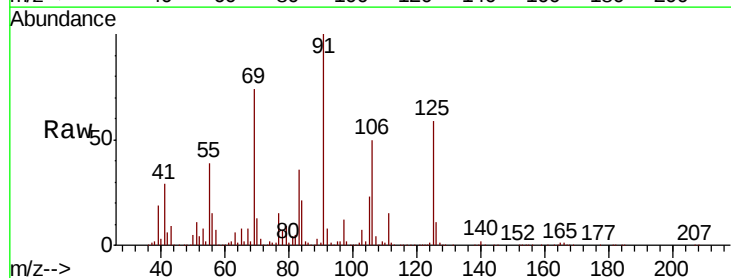
Manual Integrations
APPROVED

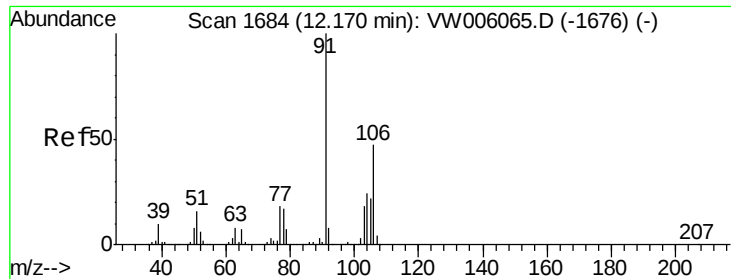
apatel
10/17/2018 10:05:13 AM



#68
m/p-Xylenes
Concen: 78.574 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion: 106 Resp: 304870
Ion Ratio Lower Upper
106 100
91 205.2 159.1 238.7





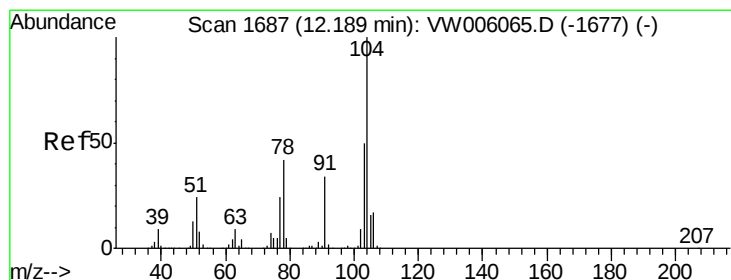
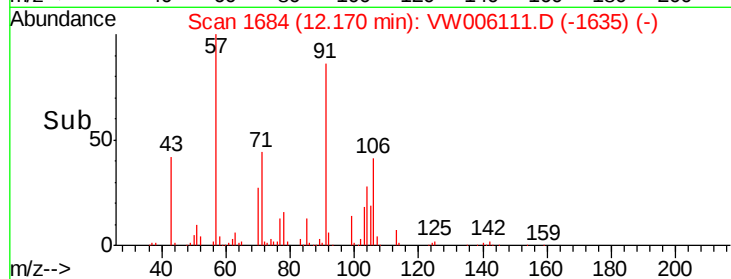
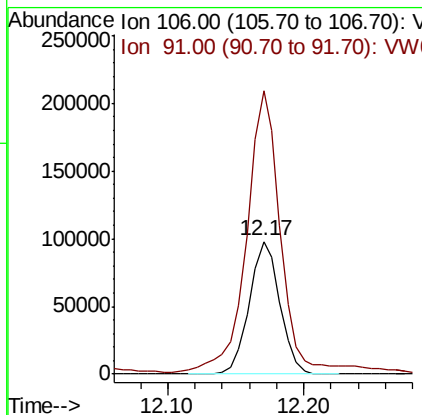
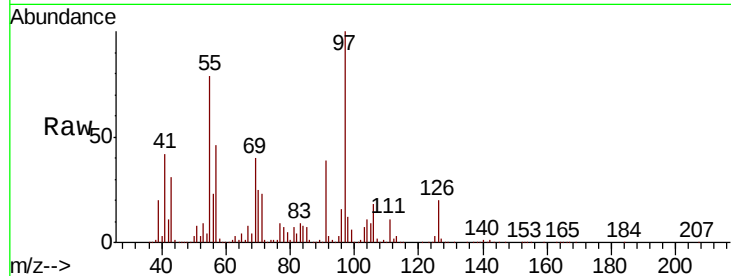
#69
o-Xylene
Concen: 41.780 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		154496		
91	234.8	105.4	316.1		

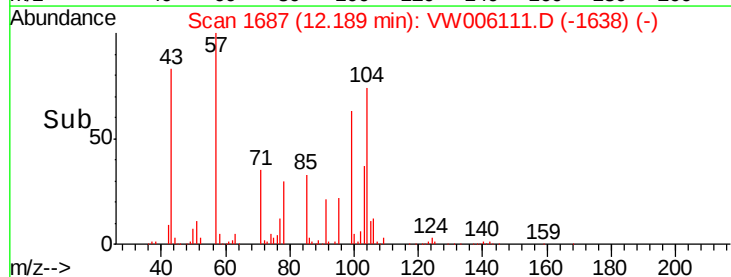
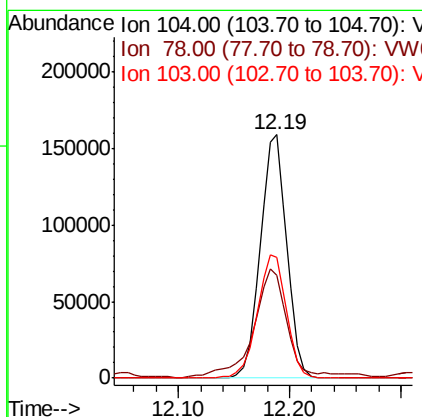
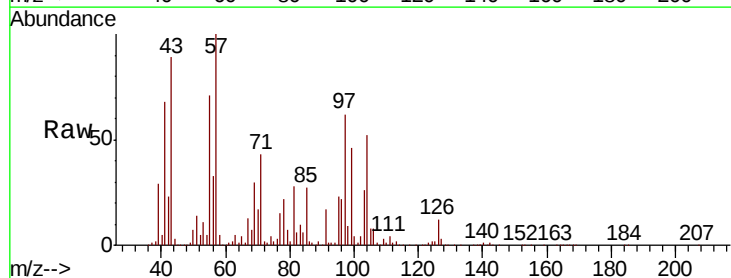
Manual Integrations
APPROVED

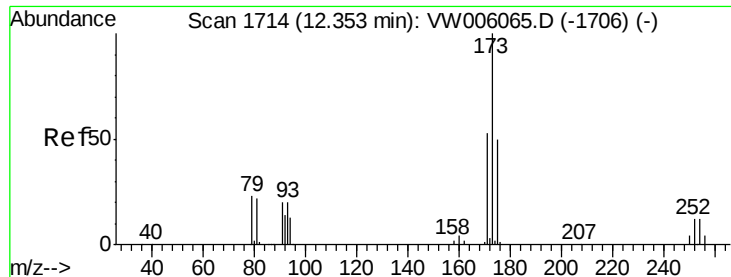
apatel
10/17/2018 10:05:13 AM



#70
Styrene
Concen: 43.771 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		263203		
78	57.9	39.1	58.7		
103	55.6	44.3	66.5		





#71

Bromoform

Concen: 55.870 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

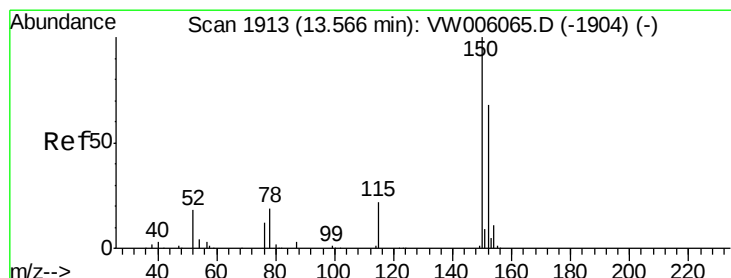
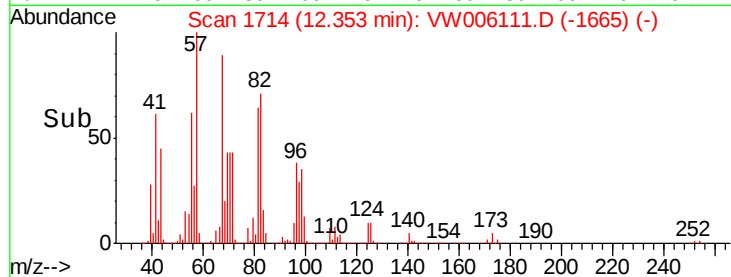
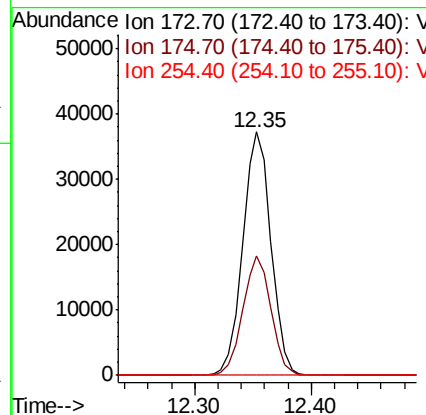
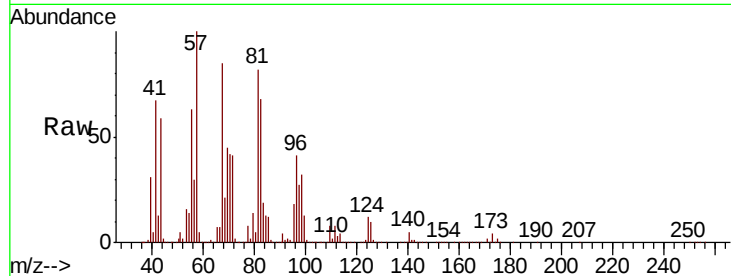
ClientSampleId :

SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.2	72.6
254	0.0	0.1	0.1

Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

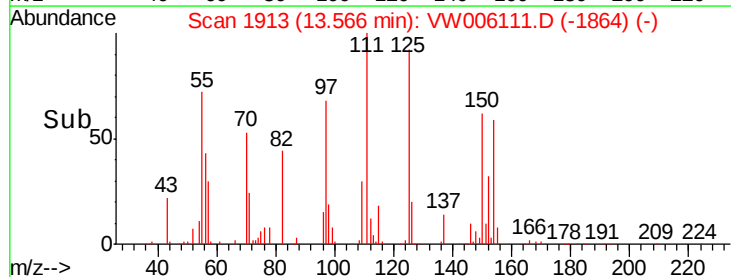
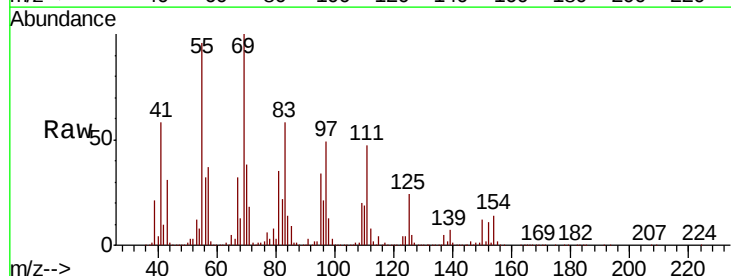
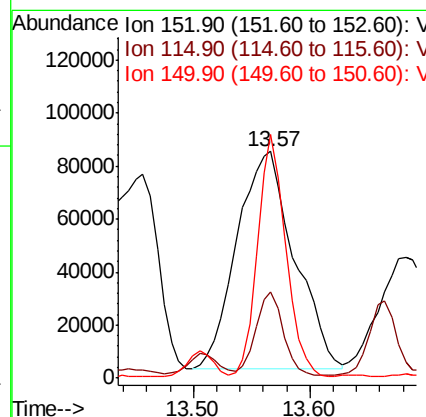
RT: 13.57 min Scan# 1913

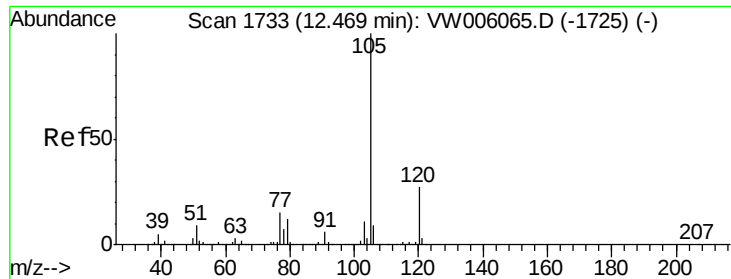
Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	18.3	27.8	83.3
150	54.7	0.0	349.2





#73

Isopropylbenzene

Concen: 20.707 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion:105 Resp: 412232

Ion Ratio Lower Upper

105 100

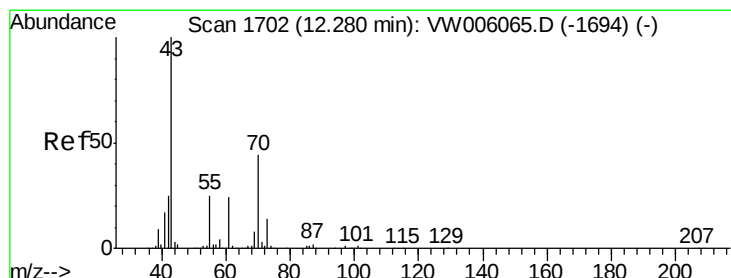
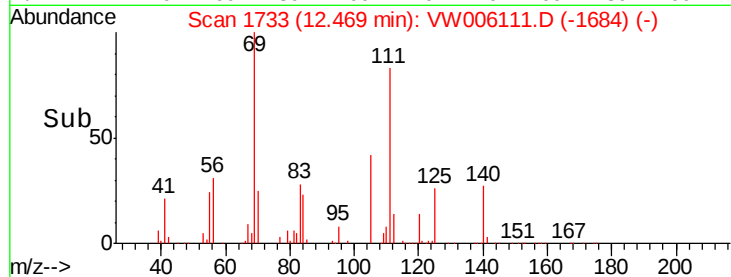
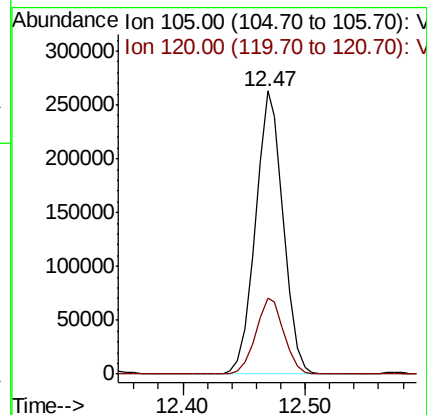
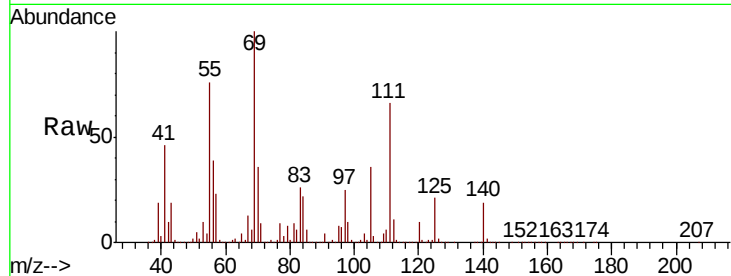
120 27.3 13.6 40.7

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



#74

N-ethyl acetate

Concen: 483.506 ug/l

RT: 12.26 min Scan# 1699

Delta R.T. -0.02 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion: 43 Resp: 1869543

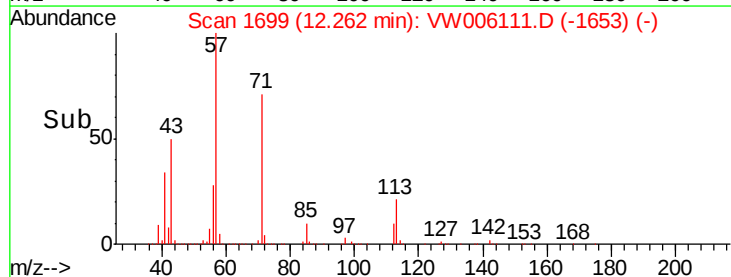
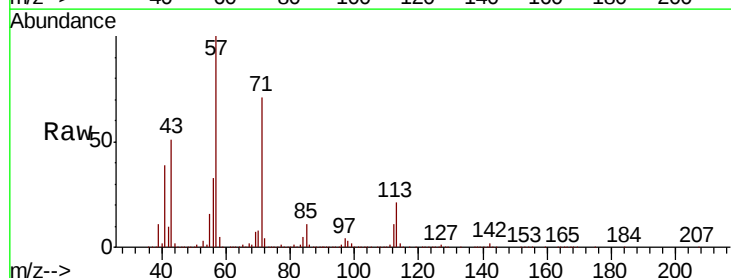
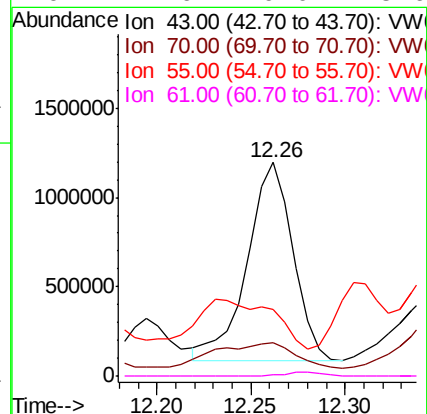
Ion Ratio Lower Upper

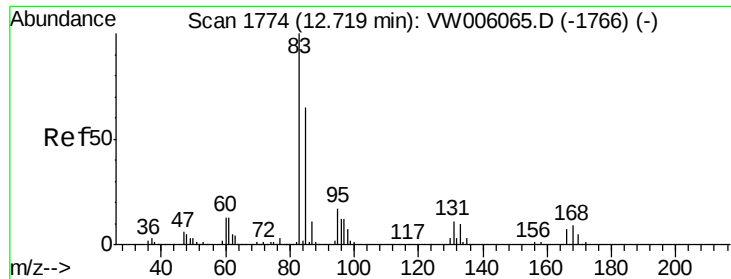
43 100

70 21.7 34.2 51.4#

55 0.0 19.2 28.8#

61 1.6 19.0 28.6#





#75

1,1,2,2-Tetrachloroethane

Concen: 152.920 ug/l

RT: 12.70 min Scan# 1771

Delta R.T. -0.02 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

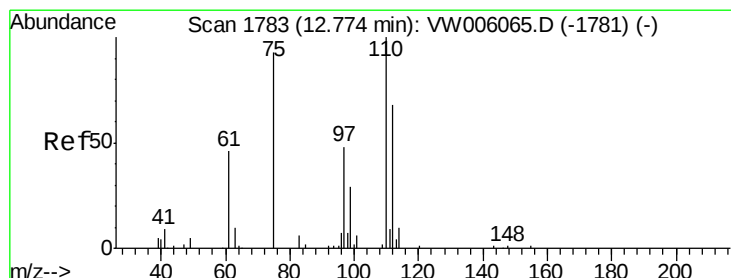
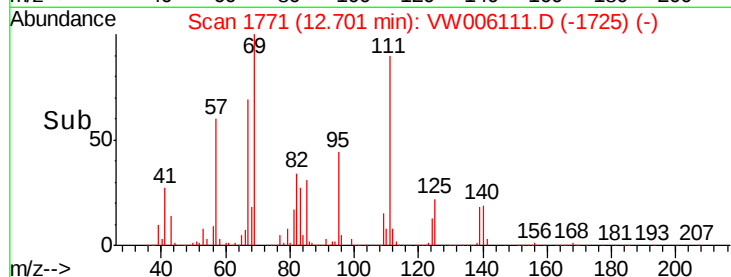
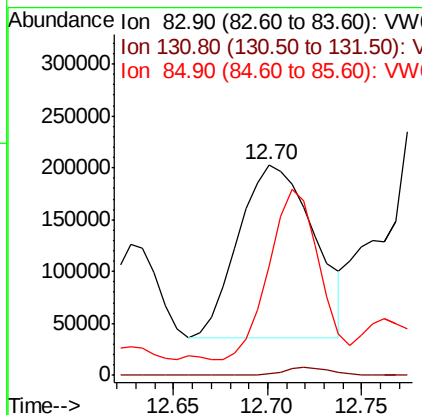
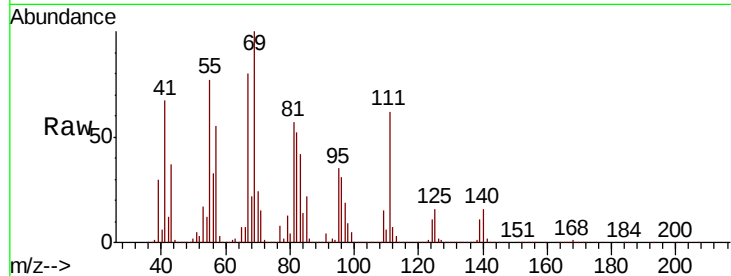
ClientSampleId :

SB-10-5-7FTMS

Tot Ion	83	Resp	463023
Ion Ratio	100		
Lower		5.9	
Upper		17.7#	
85	65.4	31.9	95.9

Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



#76

1,2,3-Trichloropropane

Concen: 41.146 ug/l m

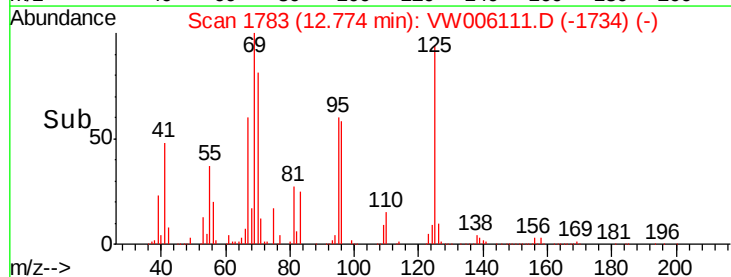
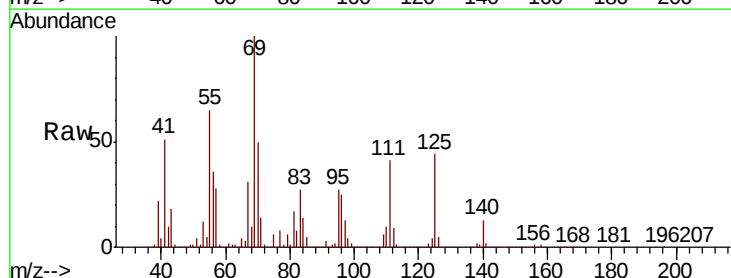
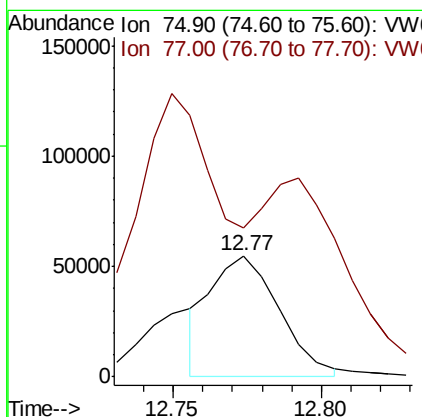
RT: 12.77 min Scan# 1783

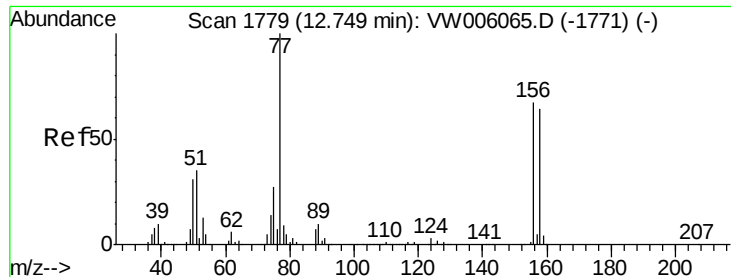
Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion	75	Resp	88560
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td></td> <td>0.0</td> <td></td>		0.0	
Upper <td></td> <td>0.0#</td> <td></td>		0.0#	
77	165.1		





#77

Bromobenzene

Concen: 24.334 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

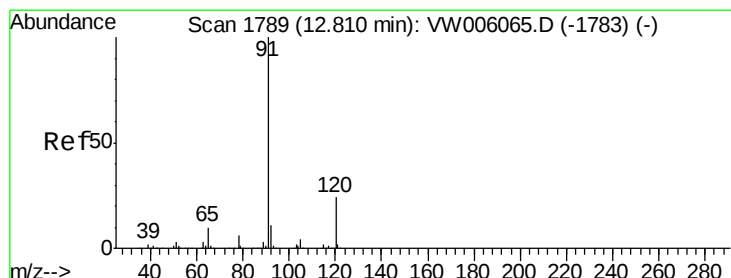
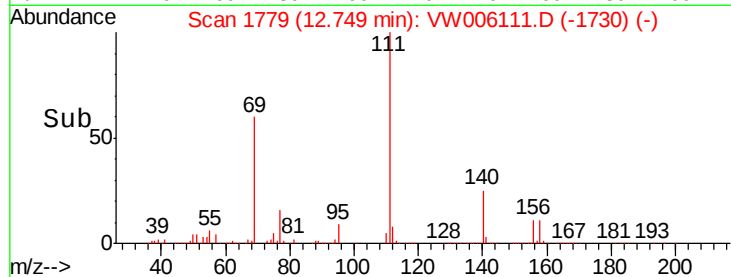
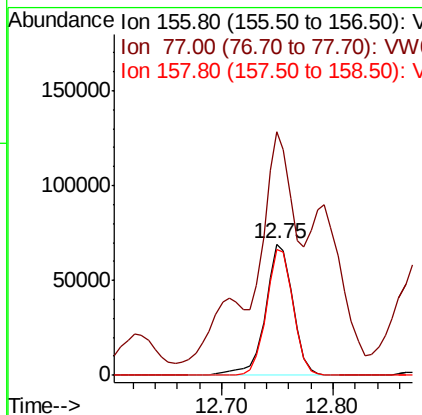
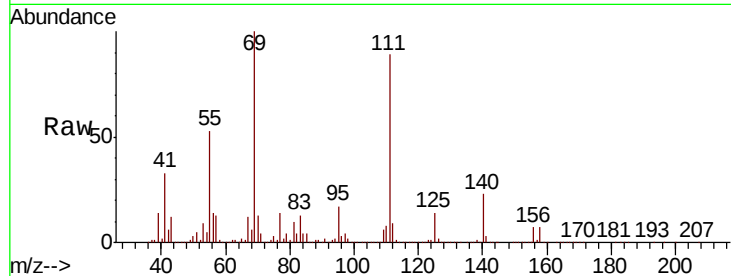
ClientSampleId :

SB-10-5-7FTMS

Tot Ion:	156	Resp:	118655
Ion Ratio	Lower	Upper	
156	100		
77	143.3	79.1	237.4
158	93.4	48.5	145.6

Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



#78

n-propylbenzene

Concen: 25.204 ug/l

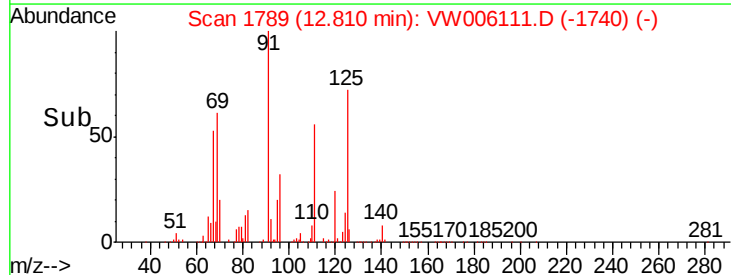
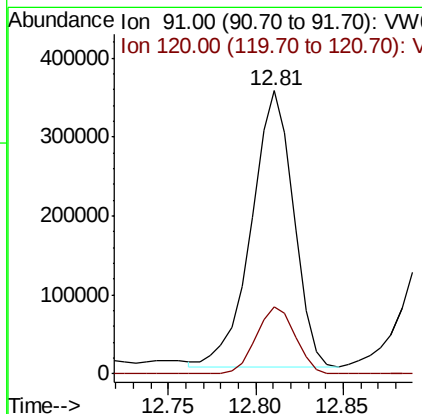
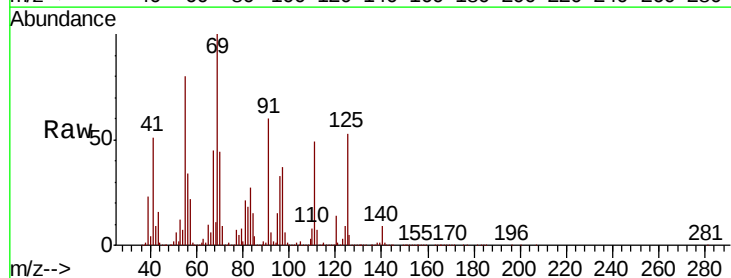
RT: 12.81 min Scan# 1789

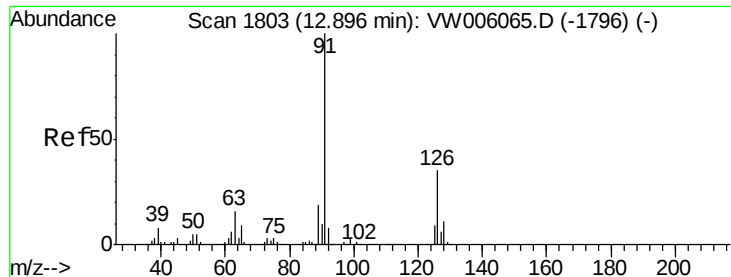
Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion:	91	Resp:	583751
Ion Ratio	Lower	Upper	
91	100		
120	22.6	12.2	36.6





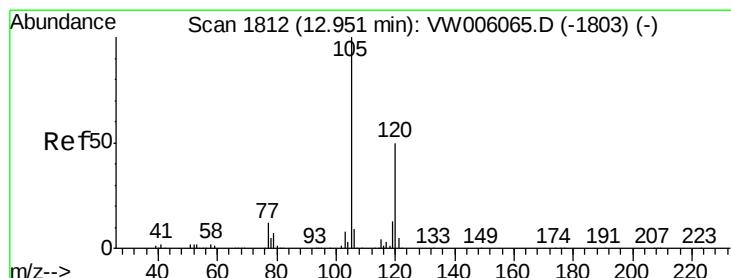
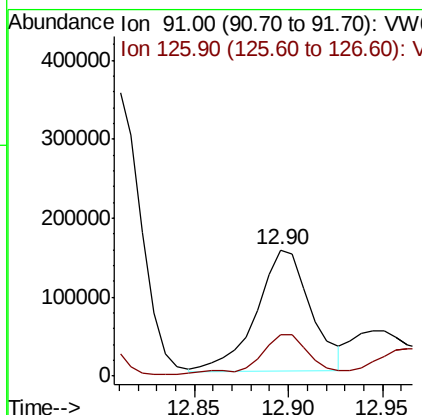
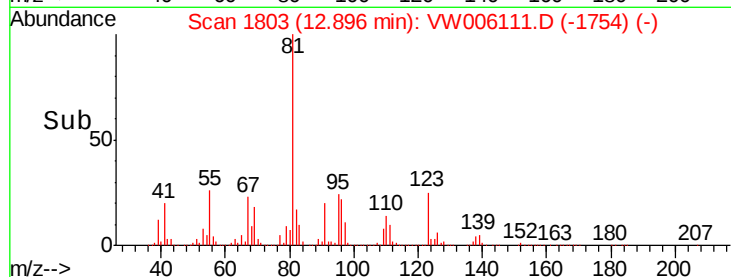
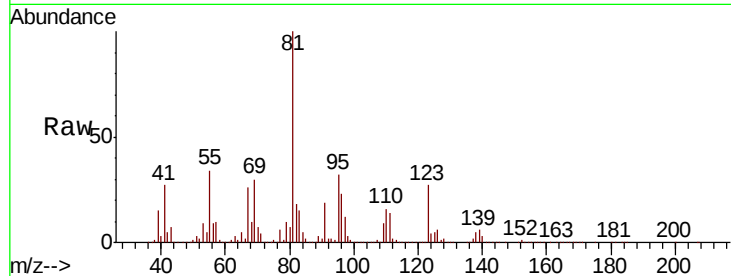
#79
 2-Chlorotoluene
 Concen: 23.632 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion: 91 Resp: 307531
 Ion Ratio Lower Upper
 91 100
 126 28.8 17.9 53.8

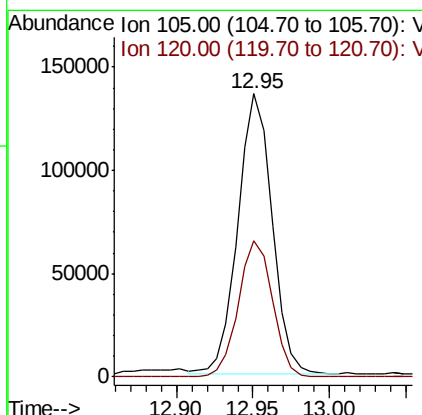
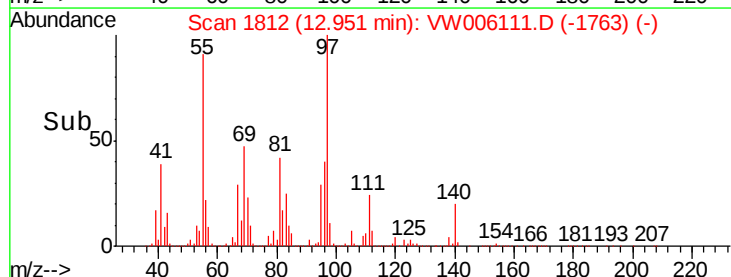
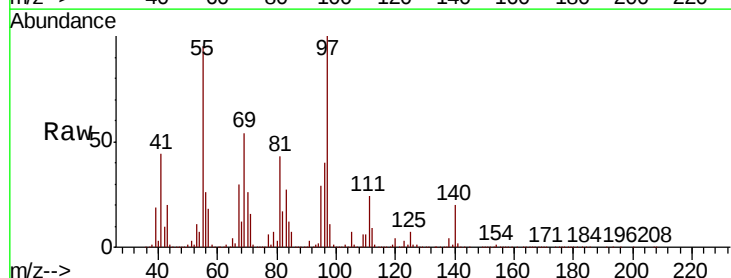
Manual Integrations
 APPROVED

apatel
 10/17/2018 10:05:13 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 12.533 ug/l
 RT: 12.95 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion: 105 Resp: 210343
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 23.590 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion: 75 Resp: 21241

Ion Ratio Lower Upper

75 100

53 296.3 79.8 119.6#

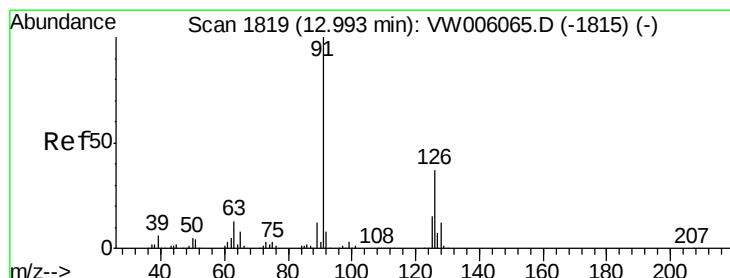
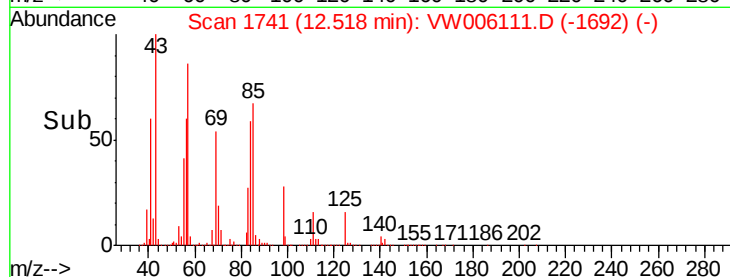
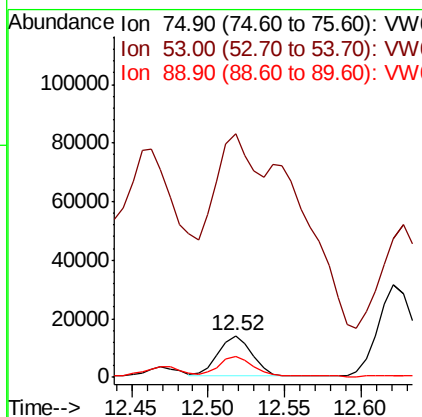
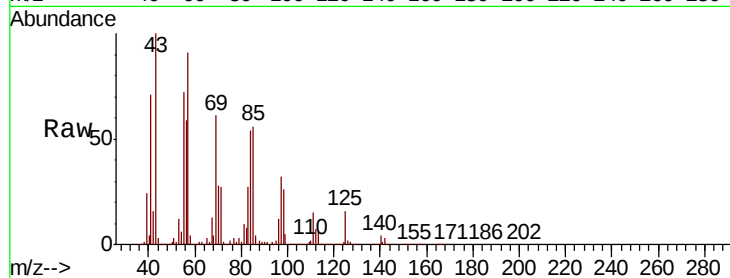
89 46.7 37.5 56.3

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



#82

4-Chlorotoluene

Concen: 19.412 ug/l m

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006111.D

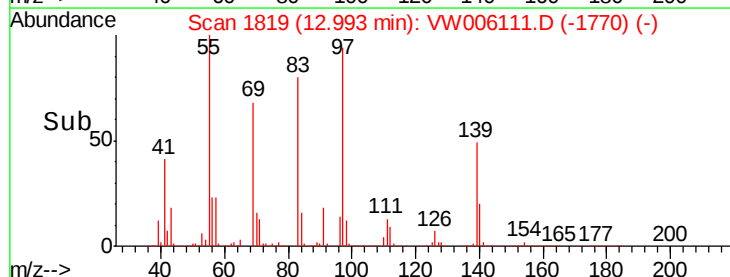
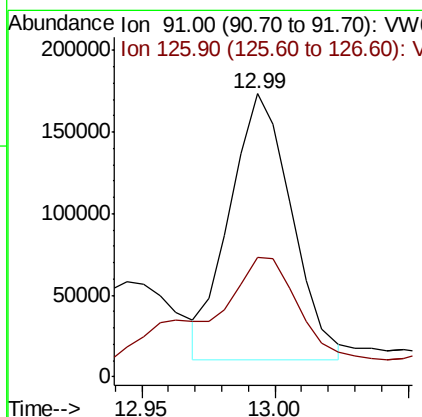
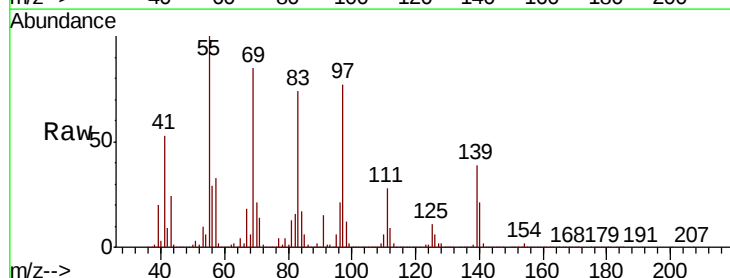
Acq: 17 Oct 2018 07:22

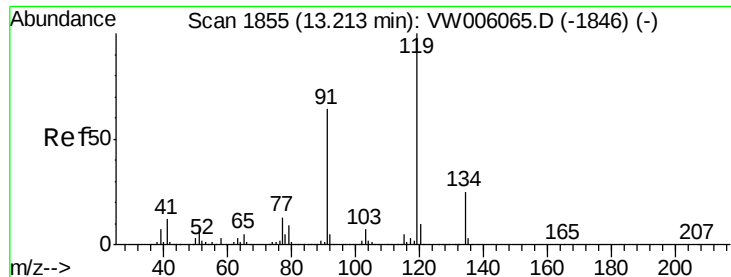
Tgt Ion: 91 Resp: 264621

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.3





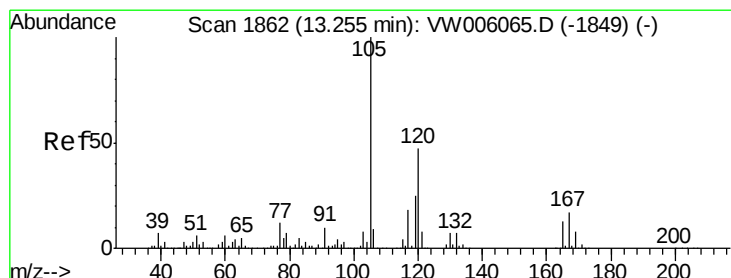
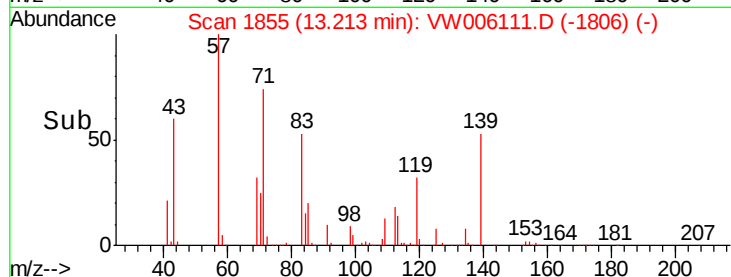
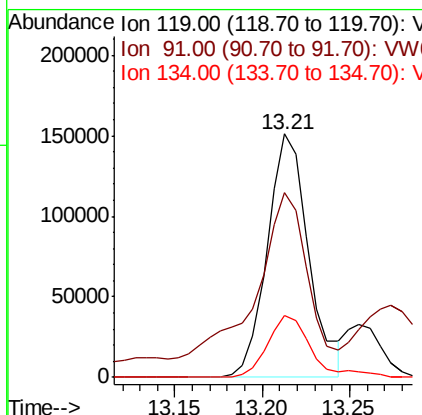
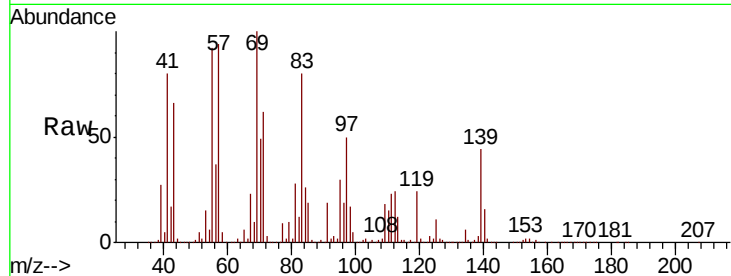
#83
tert-Butylbenzene
Concen: 16.513 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.3	32.3	96.9
134	27.1	13.6	40.8

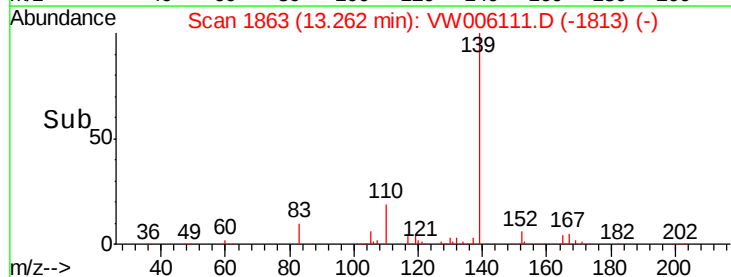
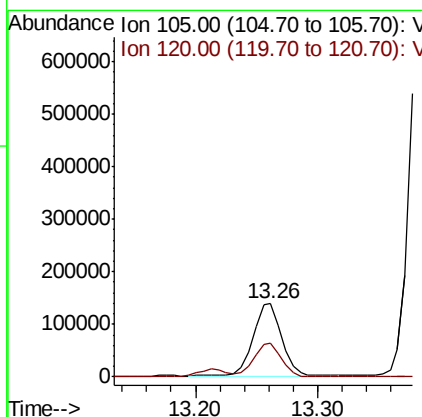
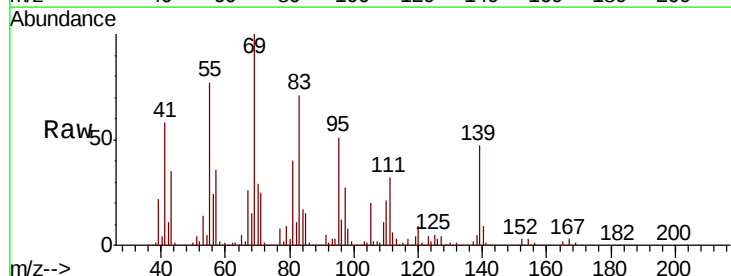
Manual Integrations
APPROVED

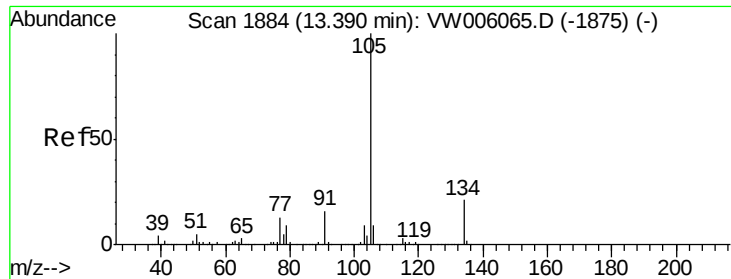
apatel
10/17/2018 10:05:13 AM



#84
1,2,4-Trimethylbenzene
Concen: 13.126 ug/l
RT: 13.26 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.1	69.3





#85

sec-Butylbenzene

Concen: 115.063 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

ClientSampleId :

SB-10-5-7FTMS

Tot Ion:105 Resp: 2440829

Ion Ratio Lower Upper

105 100

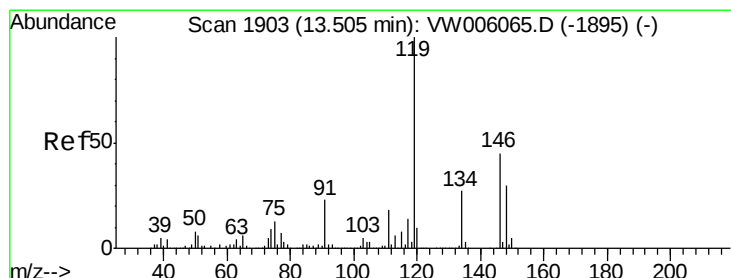
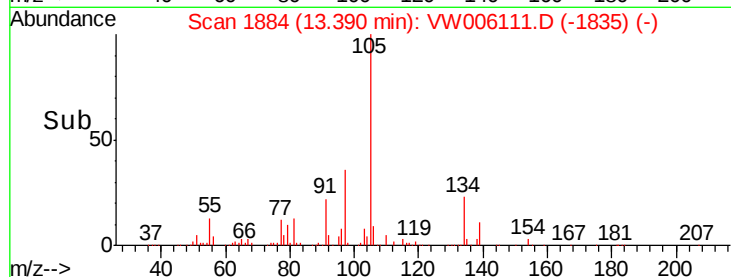
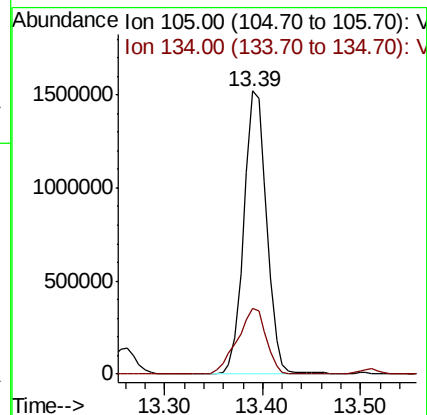
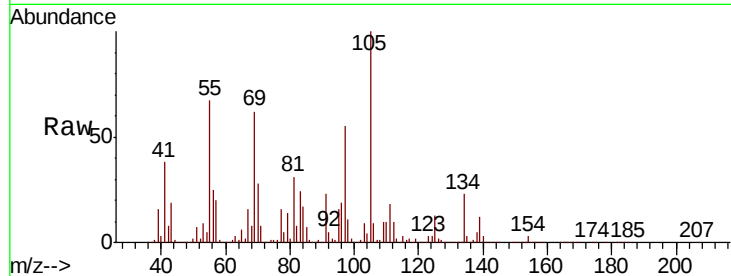
134 29.4 10.5 31.6

Manual Integrations

APPROVED

apatel

10/17/2018 10:05:13 AM



#86

p-Isopropyltoluene

Concen: 8.149 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

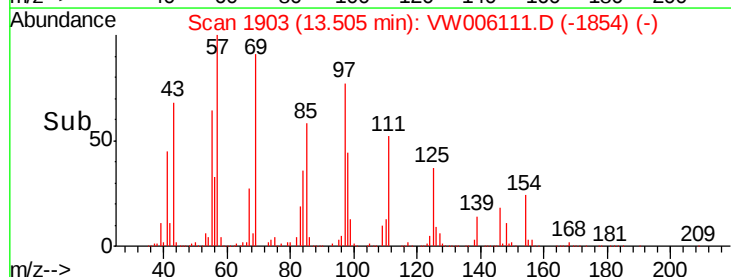
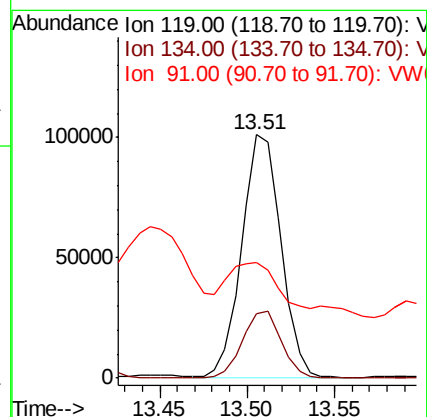
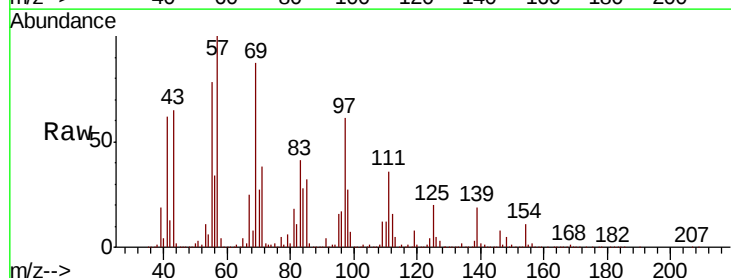
Tgt Ion:119 Resp: 156363

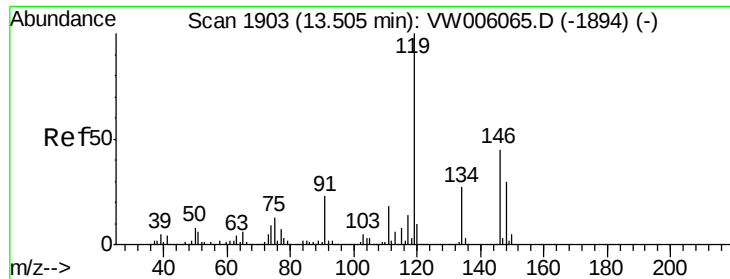
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.2

91 25.0 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 15.070 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

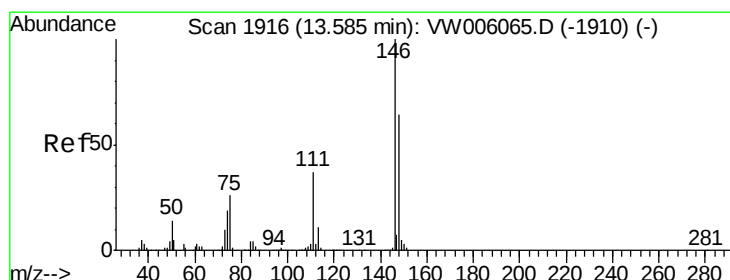
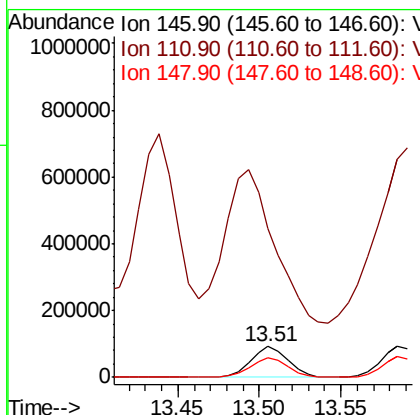
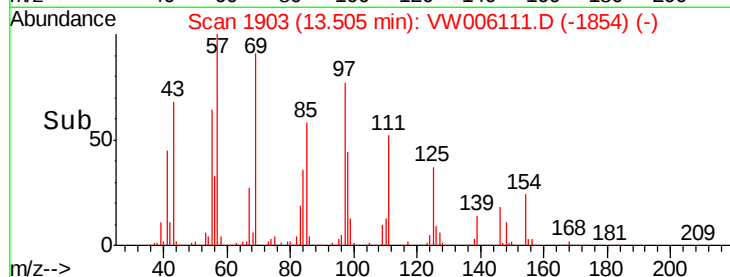
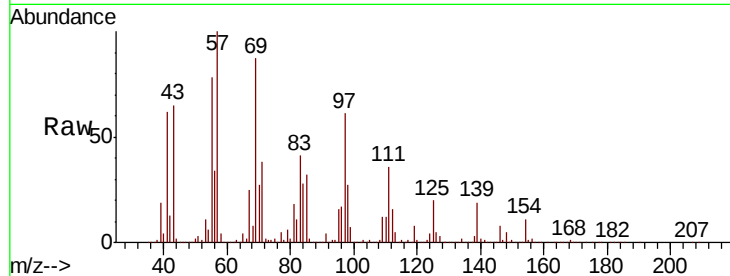
Instrument :
MSVOA_W

ClientSampleId :
SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	652.4	19.1	57.5#
148	63.5	32.0	96.2

Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



#88

1,4-Dichlorobenzene

Concen: 15.393 ug/l

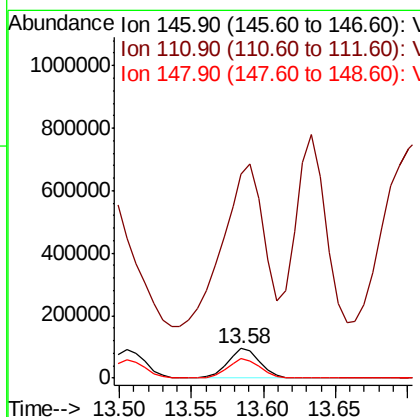
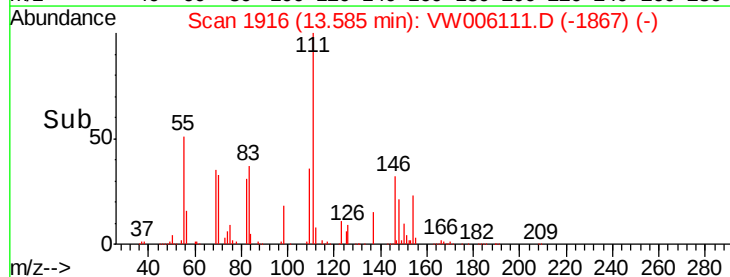
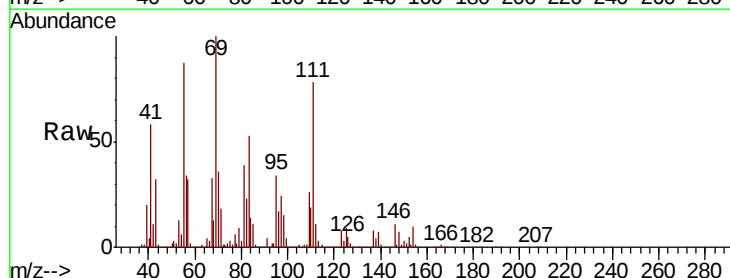
RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	687.4	18.6	56.0#
148	64.5	32.1	96.5





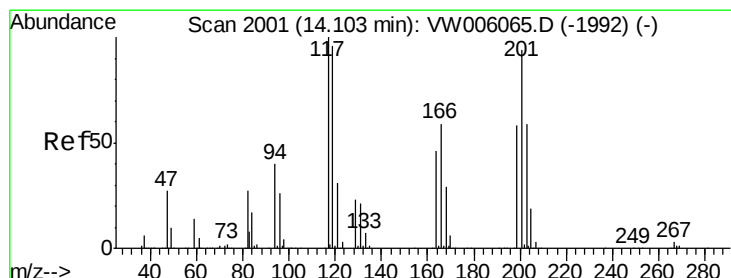
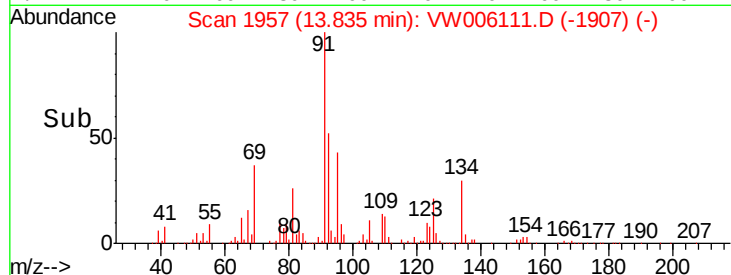
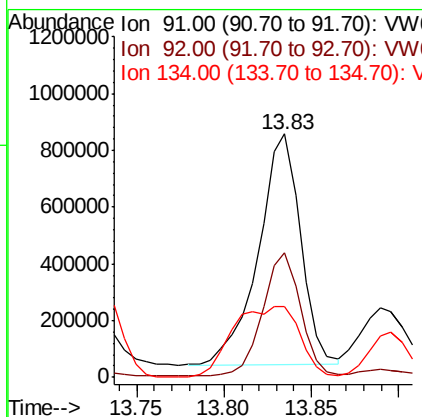
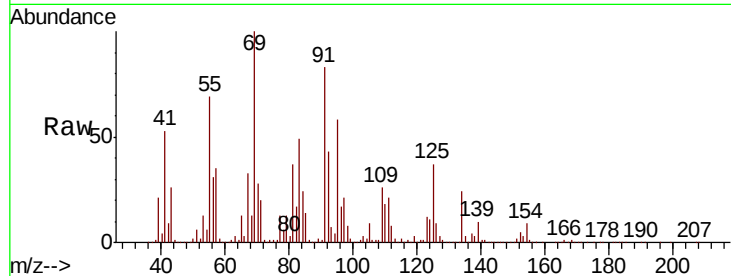
#89
n-Butylbenzene
Concen: 78.344 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. 0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion: 91 Resp: 1374724
Ion Ratio Lower Upper
91 100
92 47.5 26.6 79.7
134 48.2 14.0 41.9#

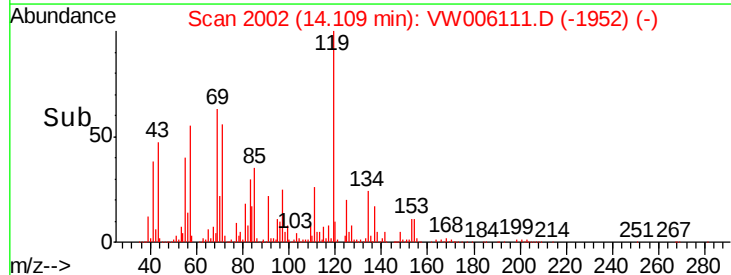
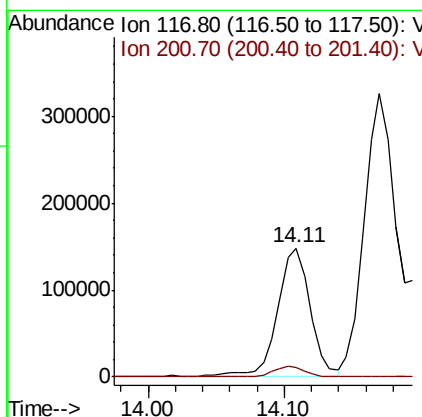
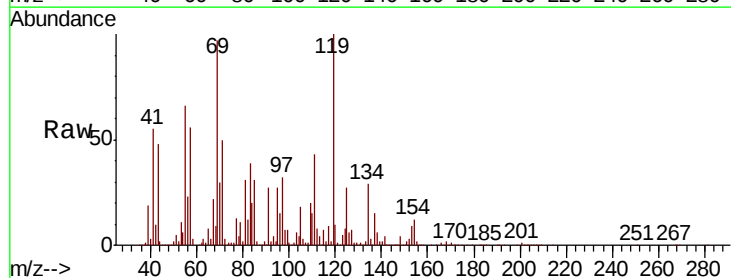
Manual Integrations
APPROVED

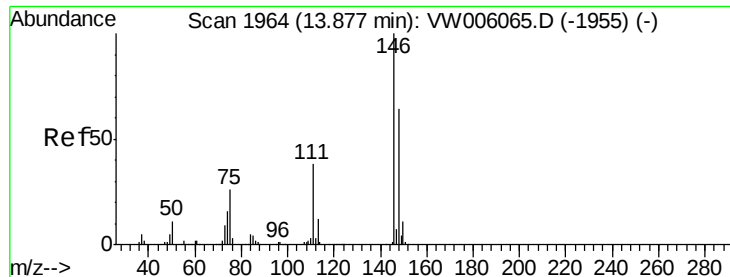
apatel
10/17/2018 10:05:13 AM



#90
Hexachloroethane
Concen: 74.815 ug/l
RT: 14.11 min Scan# 2002
Delta R.T. 0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion: 117 Resp: 243147
Ion Ratio Lower Upper
117 100
201 8.1 45.3 135.9#





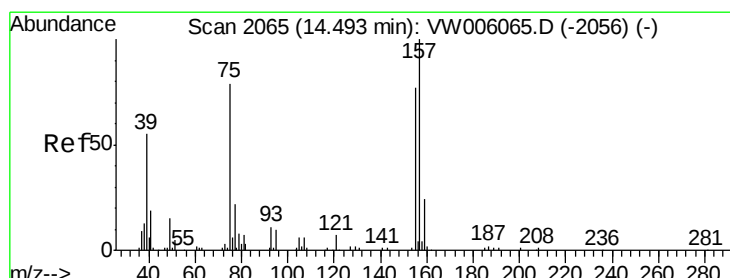
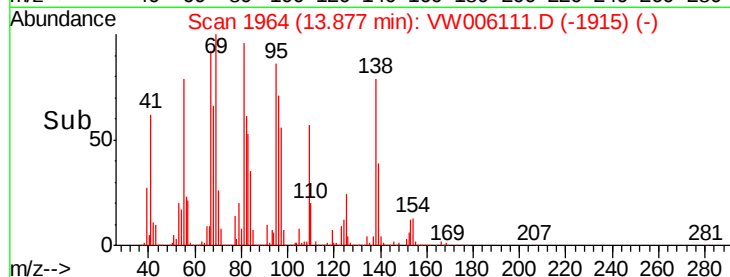
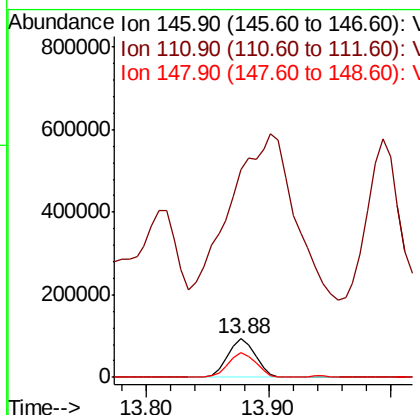
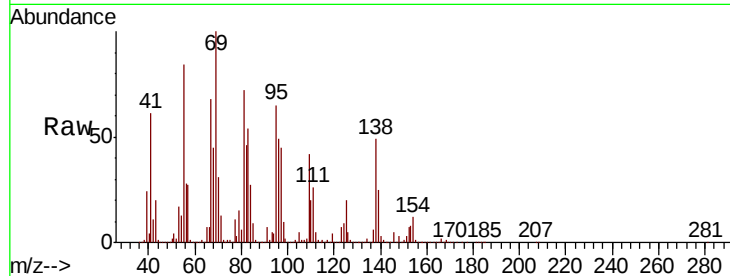
#91
 1,2-Dichlorobenzene
 Concen: 17.104 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-10-5-7FTMS

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.6	58.7#
148	63.9	32.2	96.6

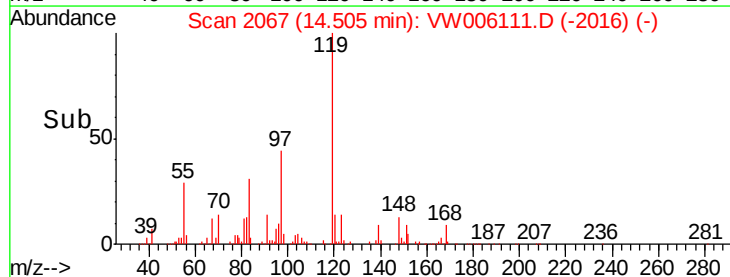
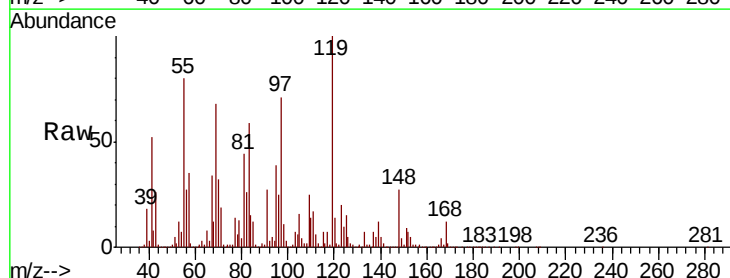
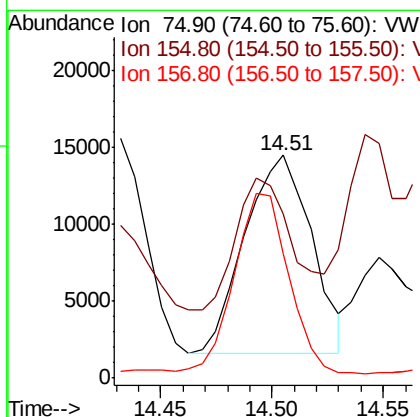
Manual Integrations
 APPROVED

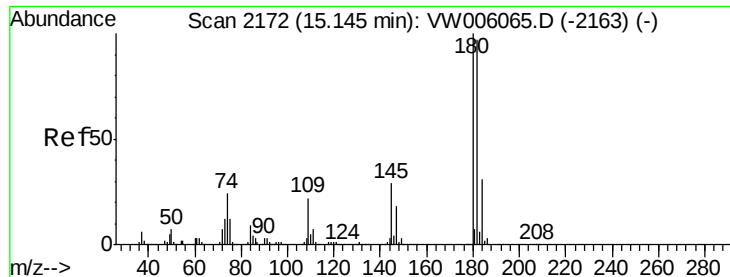
apatel
 10/17/2018 10:05:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.597 ug/l
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.01 min
 Lab File: VW006111.D
 Acq: 17 Oct 2018 07:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.3	46.5	139.5
157	74.3	59.8	179.4





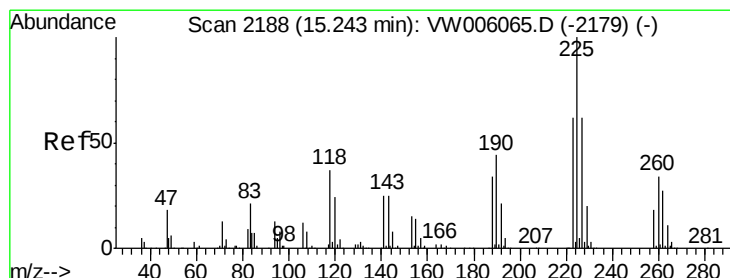
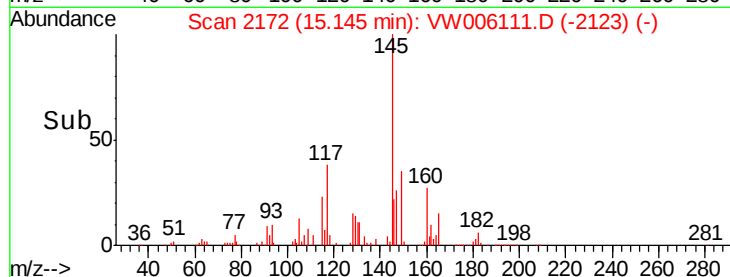
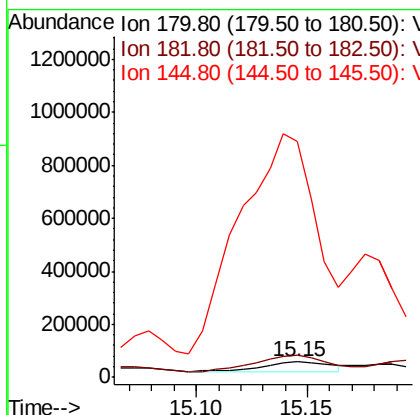
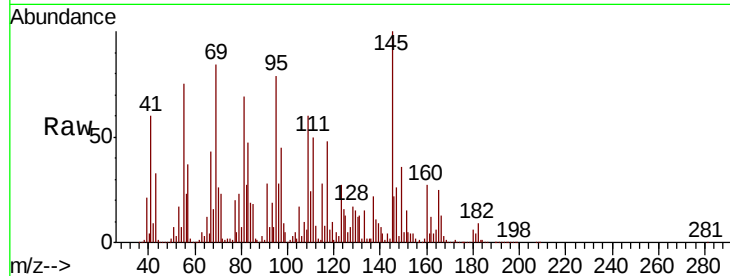
#93
1,2,4-Trichlorobenzene
Concen: 10.814 ug/l
RT: 15.15 min Scan# 2172
Delta R.T. 0.00 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Instrument :
MSVOA_W
ClientSampleId :
SB-10-5-7FTMS

Tot Ion:180 Resp: 72025
Ion Ratio Lower Upper
180 100
182 192.3 47.9 143.6#
145 2773.6 14.2 42.8

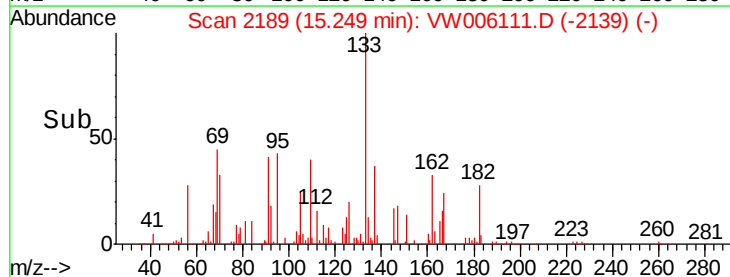
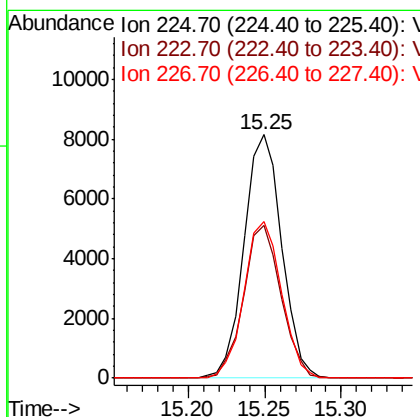
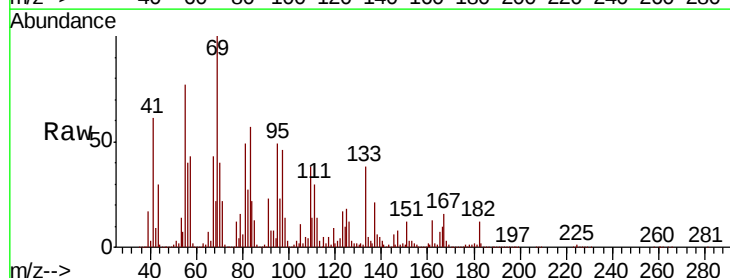
Manual Integrations
APPROVED

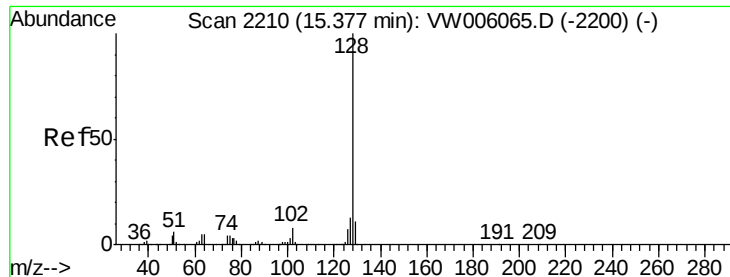
apatel
10/17/2018 10:05:13 AM



#94
Hexachlorobutadiene
Concen: 3.345 ug/l
RT: 15.25 min Scan# 2189
Delta R.T. 0.01 min
Lab File: VW006111.D
Acq: 17 Oct 2018 07:22

Tgt Ion:225 Resp: 13994
Ion Ratio Lower Upper
225 100
223 62.4 31.1 93.5
227 63.7 32.4 97.0





#95

Naphthalene

Concen: 14.150 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Instrument :

MSVOA_W

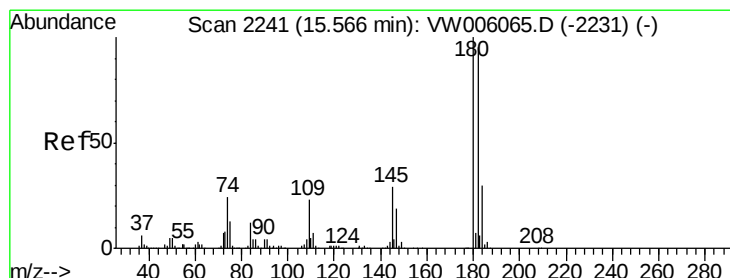
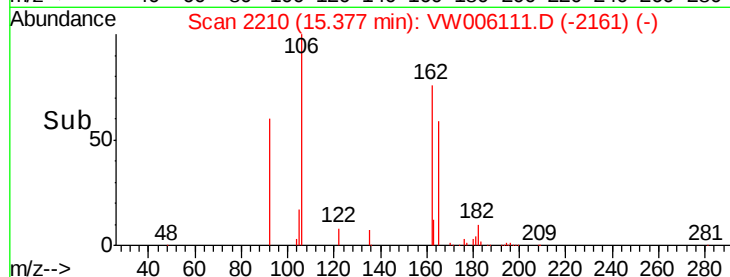
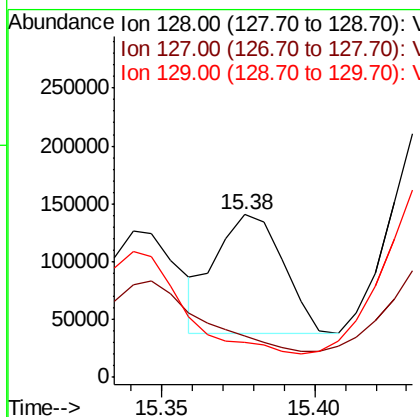
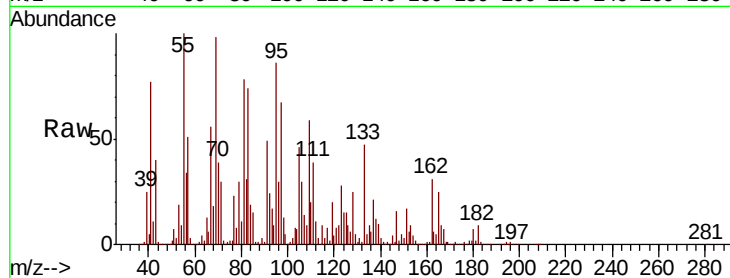
ClientSampleId :

SB-10-5-7FTMS

Tot Ion:	128	Resp:	156781
Ion Ratio	Lower	Upper	
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

Manual Integrations
APPROVED

apatel
10/17/2018 10:05:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.303 ug/l

RT: 15.59 min Scan# 2245

Delta R.T. 0.02 min

Lab File: VW006111.D

Acq: 17 Oct 2018 07:22

Tgt Ion:	180	Resp:	122722
Ion Ratio	Lower	Upper	
180	100		
182	0.0	47.8	143.3#
145	0.0	15.0	45.1#

