

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070318\
 Data File : VW003708.D
 Acq On : 03 Jul 2018 19:18
 Operator : SY/AP
 Sample : J3845-14MS
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MS

Manual Integrations
 APPROVED

apatel
 7/5/2018 11:12:05 AM

Quant Time: Jul 05 02:51:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	132999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	208484	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	201394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	110037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	93676	59.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.16%	
35) Dibromofluoromethane	7.88	113	77266	56.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.64%	
50) Toluene-d8	10.33	98	297884	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	
62) 4-Bromofluorobenzene	12.62	95	107020	55.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	21812	32.197	ug/l	97
3) Chloromethane	2.20	50	58034	54.778	ug/l	100
4) Vinyl Chloride	2.35	62	80384	55.611	ug/l	96
5) Bromomethane	2.77	94	48561	51.239	ug/l	96
6) Chloroethane	2.92	64	45266	52.044	ug/l	98
7) Trichlorofluoromethane	3.25	101	48960	63.695	ug/l	100
8) Diethyl Ether	3.67	74	39393	55.388	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	66186	51.814	ug/l	99
10) Methyl Iodide	4.26	142	100953	53.821	ug/l	98
11) Tert butyl alcohol	5.17	59	28342	285.650	ug/l	99
12) 1,1-Dichloroethene	4.02	96	63467	49.850	ug/l	95
13) Acrolein	3.89	56	4200	87.240	ug/l	85
14) Allyl chloride	4.66	41	114431	52.553	ug/l	99
15) Acrylonitrile	5.37	53	97945	296.926	ug/l	99
16) Acetone	4.12	43	113487	299.834	ug/l	96
17) Carbon Disulfide	4.36	76	206064	53.915	ug/l	98
18) Methyl Acetate	4.67	43	99264	119.679	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	148270	59.622	ug/l	100
20) Methylene Chloride	4.90	84	80423	55.854	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	71074	50.972	ug/l	98
22) Diisopropyl ether	6.31	45	243361	54.513	ug/l	98
23) Vinyl Acetate	6.26	43	565098	190.204	ug/l	98
24) 1,1-Dichloroethane	6.21	63	138407	51.988	ug/l	100
25) 2-Butanone	7.17	43	140542	289.987	ug/l	98
26) 2,2-Dichloropropane	7.17	77	91875	56.283	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	78680	51.816	ug/l	100
28) Bromochloromethane	7.51	49	64812	55.383	ug/l #	16
29) Tetrahydrofuran	7.53	42	87975	302.817	ug/l	99
30) Chloroform	7.67	83	142721	53.016	ug/l	92
31) Cyclohexane	7.95	56	121011	49.922	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	117977	56.297	ug/l	99
36) 1,1-Dichloropropene	8.08	75	108694	51.936	ug/l	100
37) Ethyl Acetate	7.26	43	50712	49.781	ug/l	99
38) Carbon Tetrachloride	8.07	117	108375	54.435	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070318\
 Data File : VW003708.D
 Acq On : 03 Jul 2018 19:18
 Operator : SY/AP
 Sample : J3845-14MS
 Misc : 5.10G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 GF-G-9MS

Manual Integrations
 APPROVED

apatel
 7/5/2018 11:12:05 AM

Quant Time: Jul 05 02:51:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 03 08:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	122435	50.802	ug/l	100
40) Benzene	8.32	78	309200	52.565	ug/l	99
41) Methacrylonitrile	7.49	41	31853	55.011	ug/l	95
42) 1,2-Dichloroethane	8.40	62	105757	57.099	ug/l	99
43) Isopropyl Acetate	8.43	43	97881	51.017	ug/l	99
44) Trichloroethene	9.09	130	77920	51.242	ug/l	100
45) 1,2-Dichloropropane	9.37	63	82748	54.229	ug/l	100
46) Dibromomethane	9.46	93	44888	56.644	ug/l	98
47) Bromodichloromethane	9.65	83	108775	55.527	ug/l	98
48) Methyl methacrylate	9.44	41	56918	55.727	ug/l	98
49) 1,4-Dioxane	9.45	88	13818	1111.540	ug/l #	100
51) 4-Methyl-2-Pentanone	10.21	43	307952	304.606	ug/l	99
52) Toluene	10.39	92	197647	53.843	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	112499	55.355	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	124865	54.193	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	62886	56.326	ug/l	96
56) Ethyl methacrylate	10.65	69	75299	47.703	ug/l	94
57) 1,3-Dichloropropane	10.94	76	109765	56.595	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	171960	288.154	ug/l	99
59) 2-Hexanone	10.98	43	221001	305.804	ug/l	99
60) Dibromochloromethane	11.13	129	73505	56.318	ug/l	99
61) 1,2-Dibromoethane	11.24	107	60256	56.347	ug/l	98
64) Tetrachloroethene	10.87	164	72354	53.155	ug/l	98
65) Chlorobenzene	11.66	112	214228	50.596	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	80005	54.068	ug/l	99
67) Ethyl Benzene	11.74	91	376523	50.753	ug/l	99
68) m/p-Xylenes	11.84	106	290109	102.834	ug/l	100
69) o-Xylene	12.17	106	134899	51.725	ug/l	100
70) Styrene	12.19	104	232409	53.057	ug/l	99
71) Bromoform	12.35	173	45976	55.918	ug/l #	99
73) Isopropylbenzene	12.47	105	372514	49.768	ug/l	100
74) N-amyl acetate	12.28	43	81845	41.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	79523	54.317	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	54998m	55.588	ug/l	
77) Bromobenzene	12.75	156	90602	50.437	ug/l	98
78) n-propylbenzene	12.81	91	460207	49.769	ug/l	99
79) 2-Chlorotoluene	12.90	91	259902	49.394	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	320658	50.641	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	24841	53.201	ug/l	95
82) 4-Chlorotoluene	12.99	91	277916	49.755	ug/l	100
83) tert-Butylbenzene	13.21	119	266985	49.985	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	334431	51.303	ug/l	99
85) sec-Butylbenzene	13.39	105	390653	49.151	ug/l	100
86) p-Isopropyltoluene	13.51	119	344108	49.498	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	179384	49.203	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	179000	49.134	ug/l	99
89) n-Butylbenzene	13.83	91	322604	46.937	ug/l	98
90) Hexachloroethane	14.10	117	62982	48.765	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	167608	51.417	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14511	56.885	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070318\
Data File : VW003708.D
Acq On : 03 Jul 2018 19:18
Operator : SY/AP
Sample : J3845-14MS
Misc : 5.10G/5ML/MSVOA W/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MS

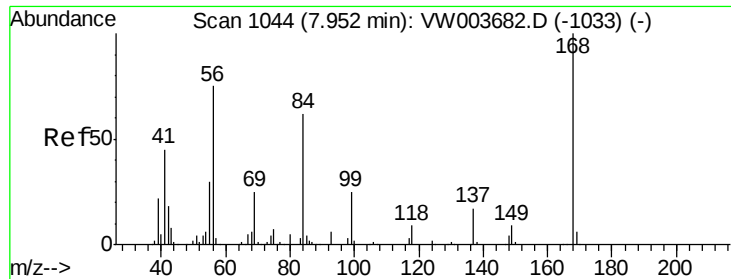
Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM

Quant Time: Jul 05 02:51:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070218S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 03 08:55:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	106227	46.216	ug/l	99
94) Hexachlorobutadiene	15.25	225	55929	42.131	ug/l	98
95) Naphthalene	15.38	128	213644	51.250	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	97277	47.511	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MS

Tot Ion:168 Resp: 132999

Ion Ratio Lower Upper

168 100

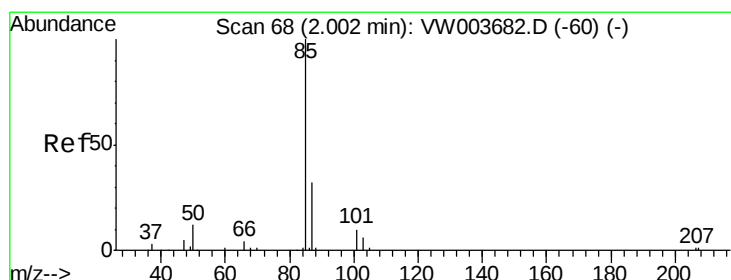
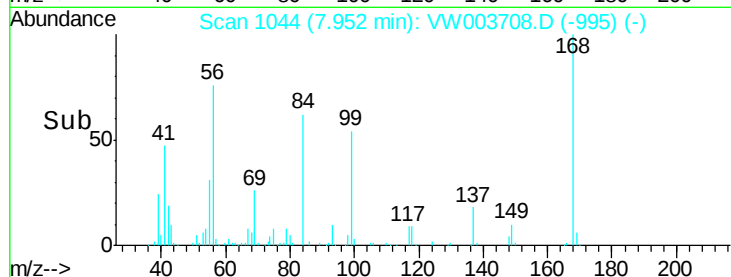
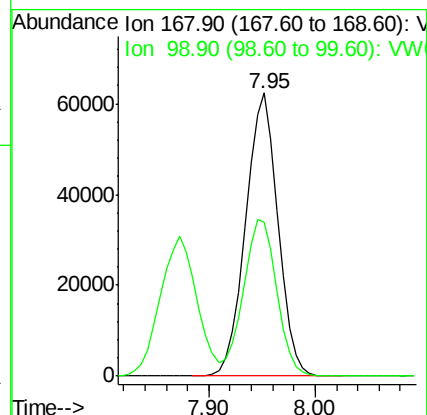
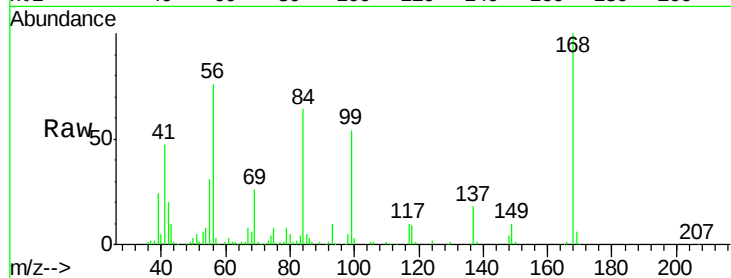
99 54.5 45.4 68.2

Manual Integrations

APPROVED

apatel

7/5/2018 11:12:05 AM



#2

Dichlorodifluoromethane

Concen: 32.197 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003708.D

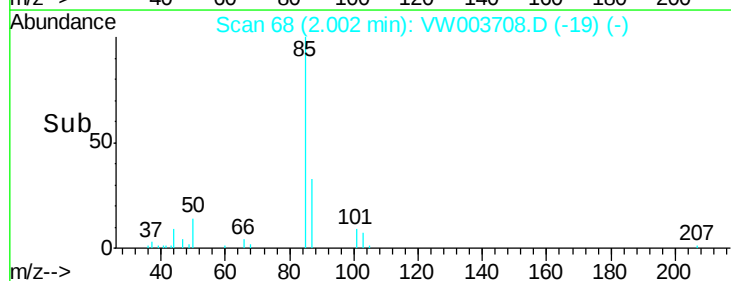
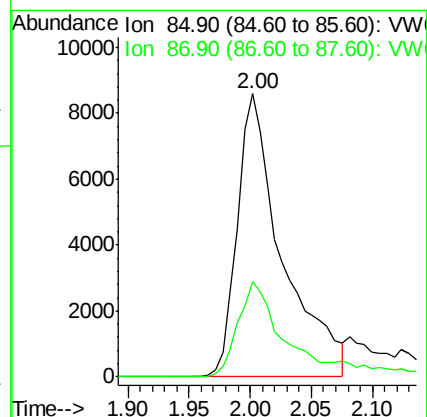
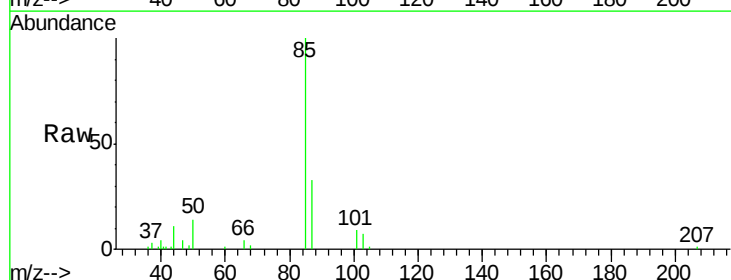
Acq: 03 Jul 2018 19:18

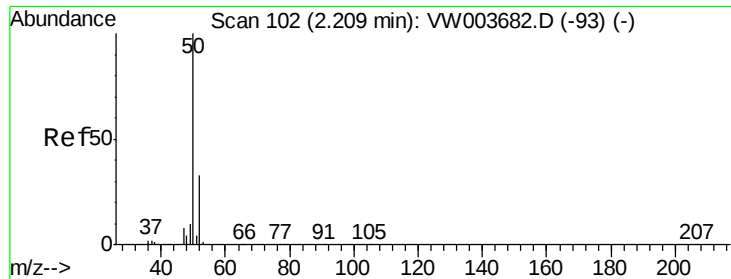
Tgt Ion: 85 Resp: 21812

Ion Ratio Lower Upper

85 100

87 33.5 16.0 47.9





#3

Chloromethane

Concen: 54.778 ug/l

RT: 2.20 min Scan# 101

Delta R.T. -0.01 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MS

Tot Ion: 50 Resp: 58034

Ion Ratio Lower Upper

50 100

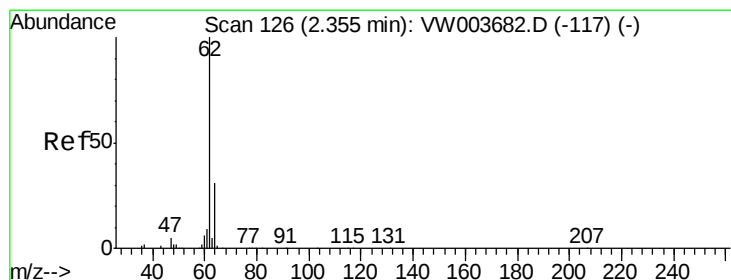
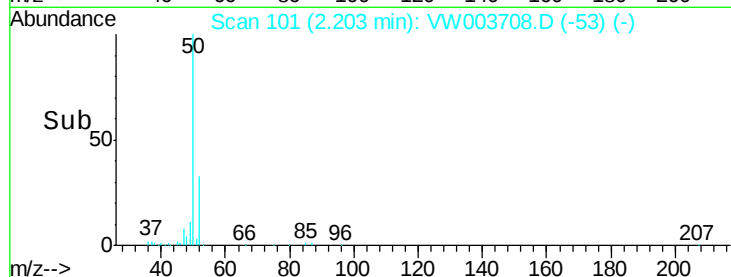
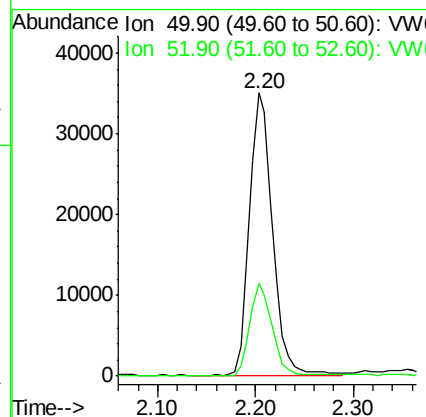
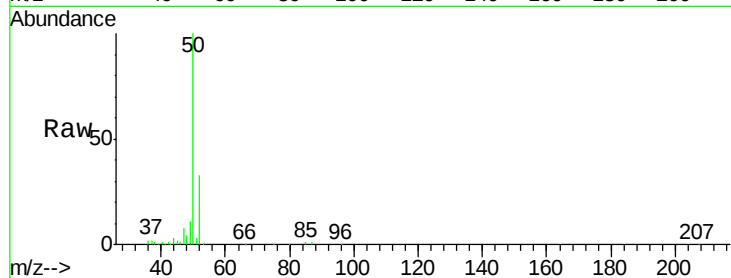
52 32.7 26.1 39.1

Manual Integrations

APPROVED

apatel

7/5/2018 11:12:05 AM



#4

Vinyl Chloride

Concen: 55.611 ug/l

RT: 2.35 min Scan# 125

Delta R.T. -0.01 min

Lab File: VW003708.D

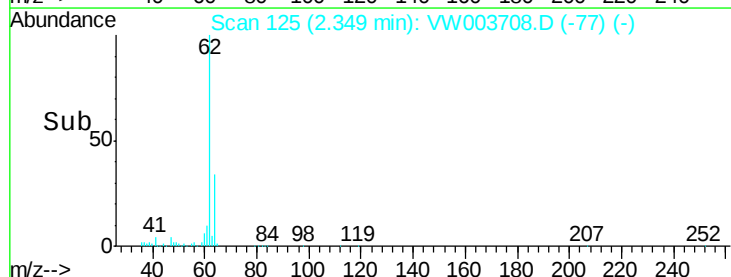
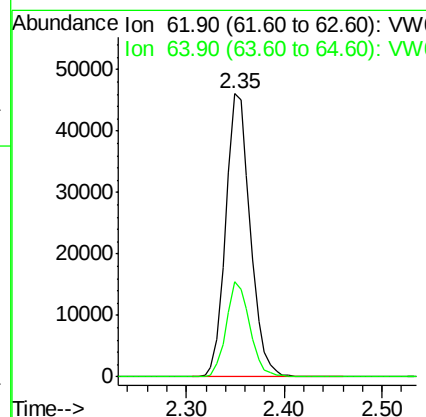
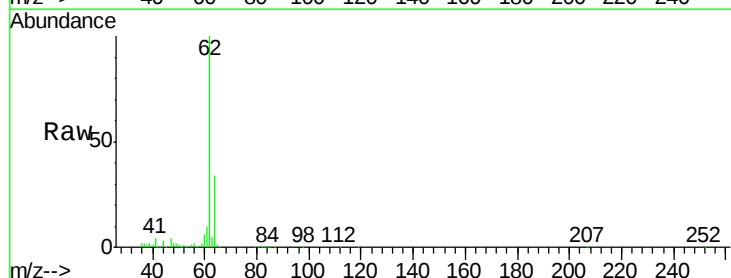
Acq: 03 Jul 2018 19:18

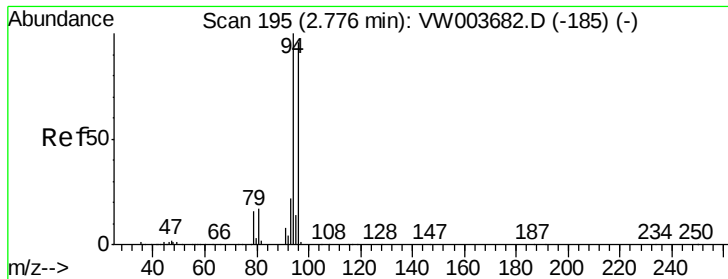
Tgt Ion: 62 Resp: 80384

Ion Ratio Lower Upper

62 100

64 33.8 25.1 37.7





#5

Bromomethane

Concen: 51.239 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MS

Tot Ion: 94 Resp: 48561

Ion Ratio Lower Upper

94 100

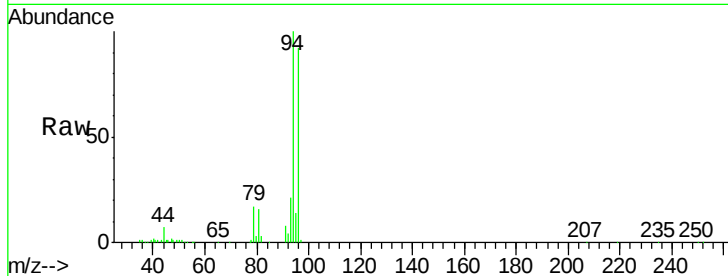
96 92.0 76.6 115.0

Manual Integrations

APPROVED

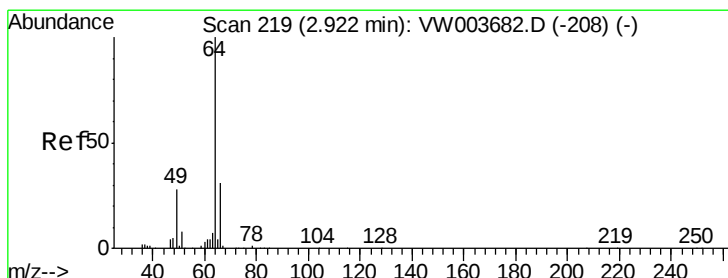
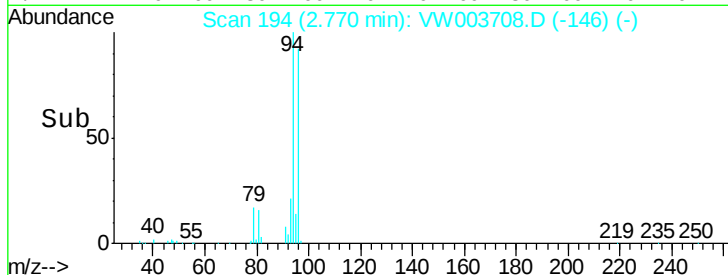
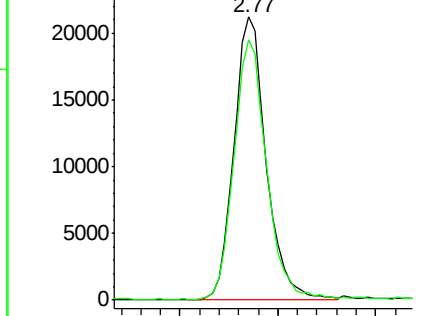
apatel

7/5/2018 11:12:05 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 52.044 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW003708.D

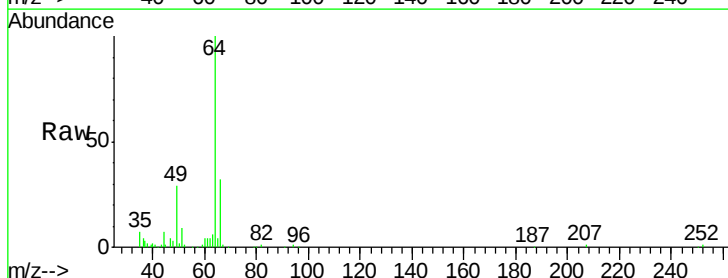
Acq: 03 Jul 2018 19:18

Tgt Ion: 64 Resp: 45266

Ion Ratio Lower Upper

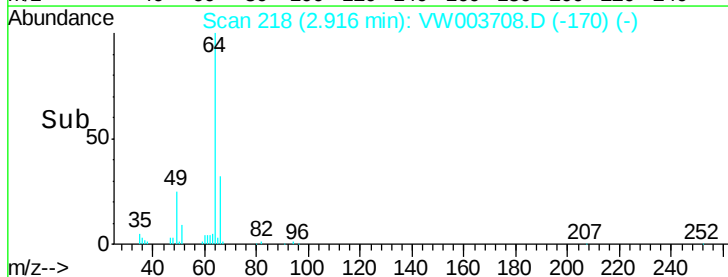
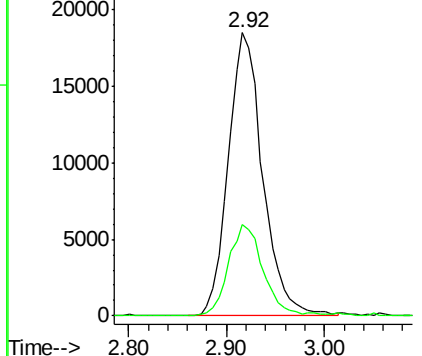
64 100

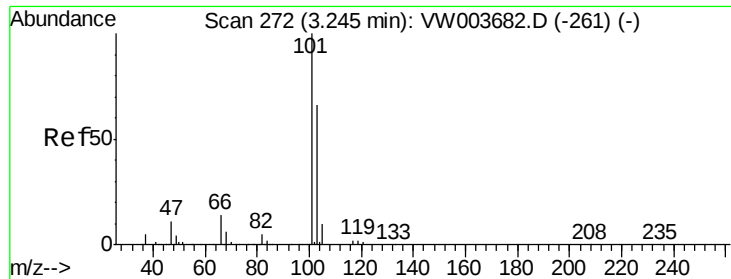
66 32.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

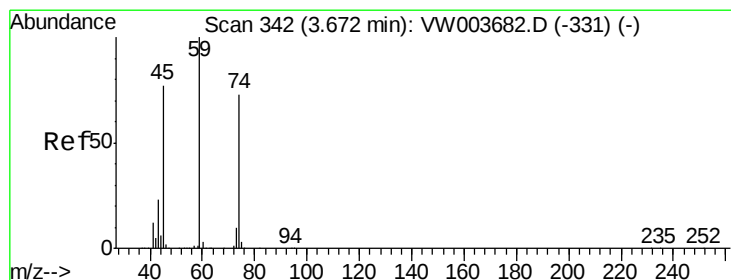
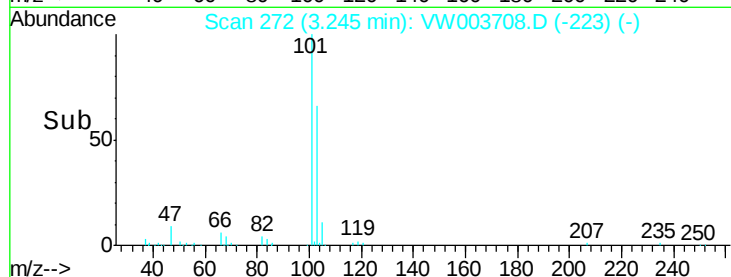
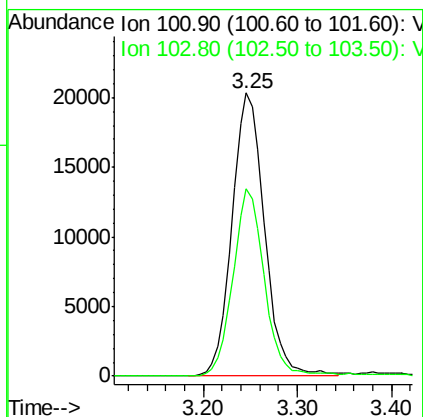
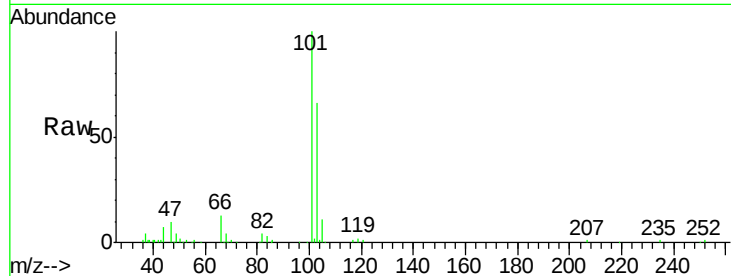
Trichlorofluoromethane
 Concen: 63.695 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.9	79.3

Manual Integrations
 APPROVED

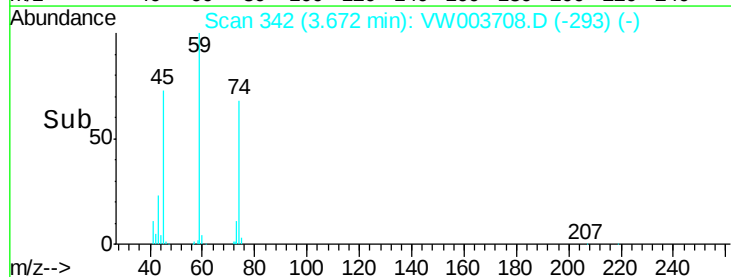
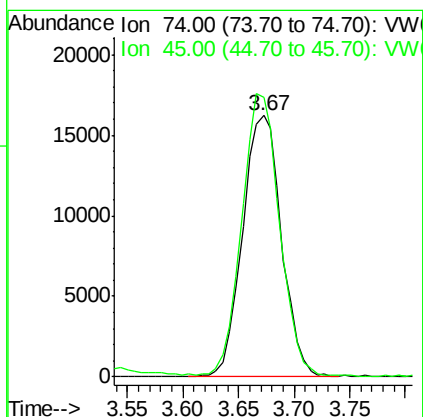
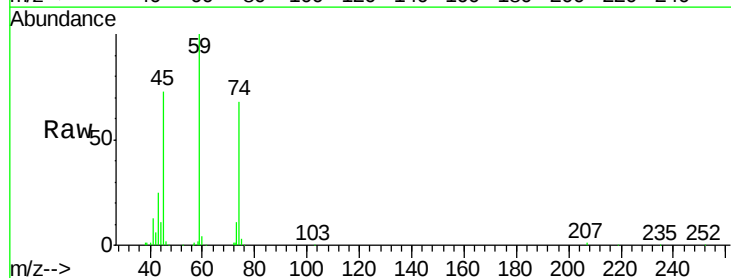
apatel
 7/5/2018 11:12:05 AM

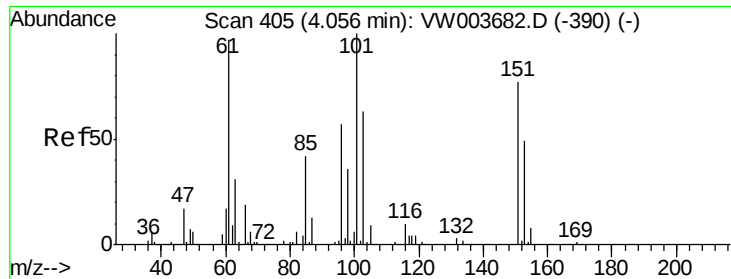


#8

Diethyl Ether
 Concen: 55.388 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.3	53.5	160.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.814 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

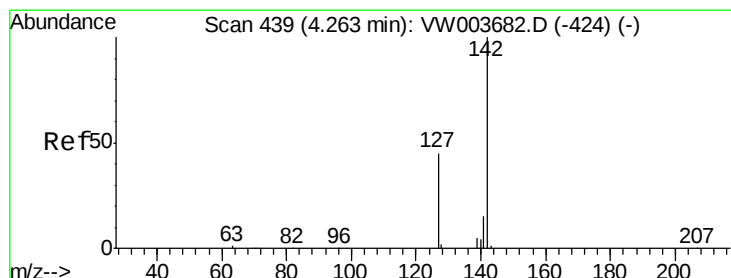
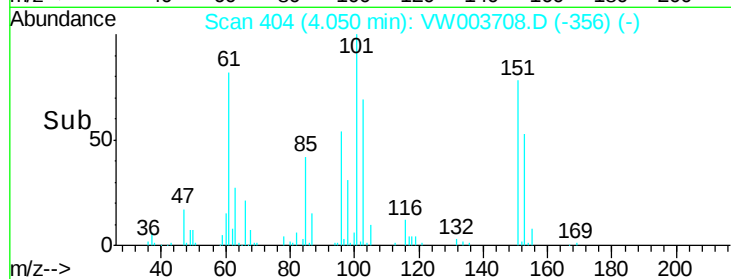
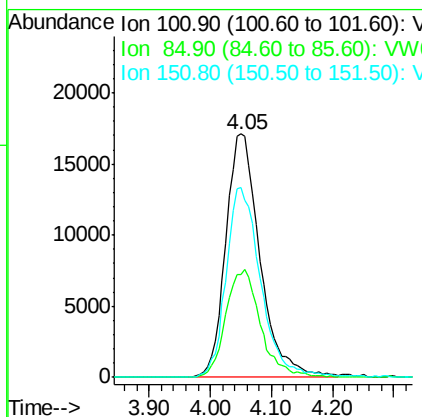
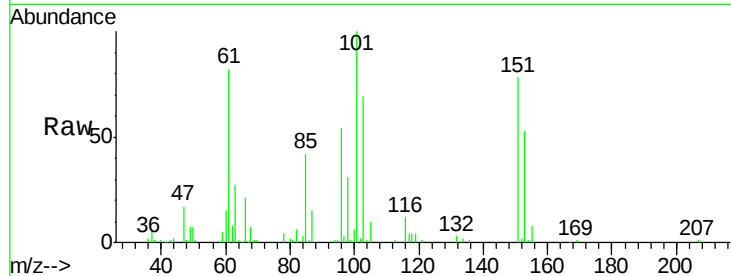
ClientSampled :

GF-G-9MS

Tot Ion:	101	Resp:	66186
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.6	55.0
151	78.9	62.4	93.6

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#10

Methyl Iodide

Concen: 53.821 ug/l

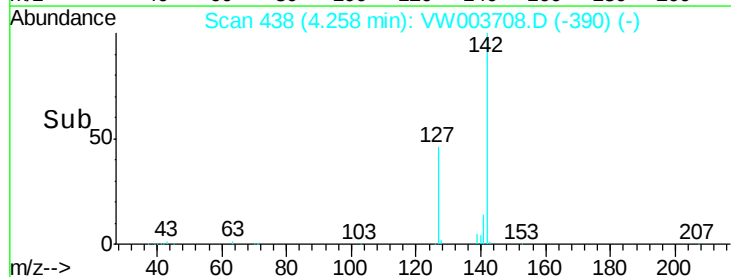
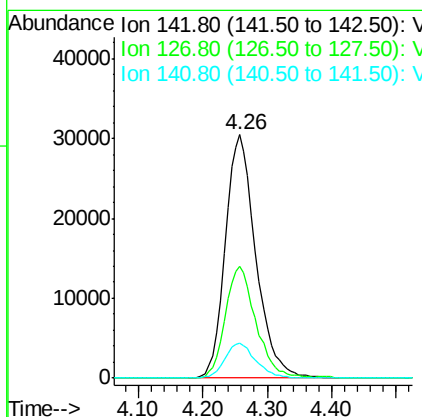
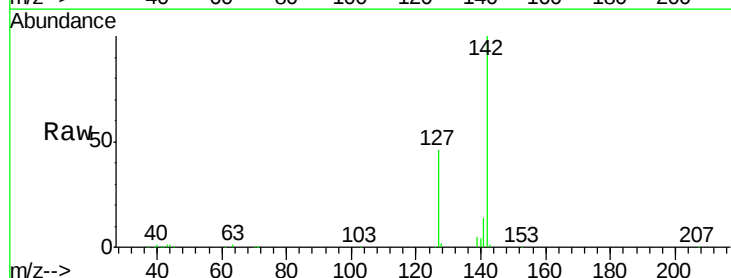
RT: 4.26 min Scan# 438

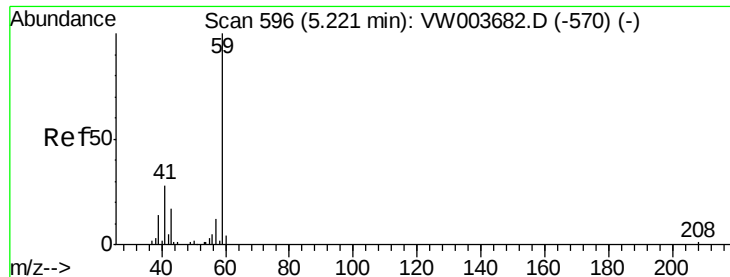
Delta R.T. -0.01 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Tgt Ion:	142	Resp:	100953
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.0	54.0
141	14.6	11.9	17.9





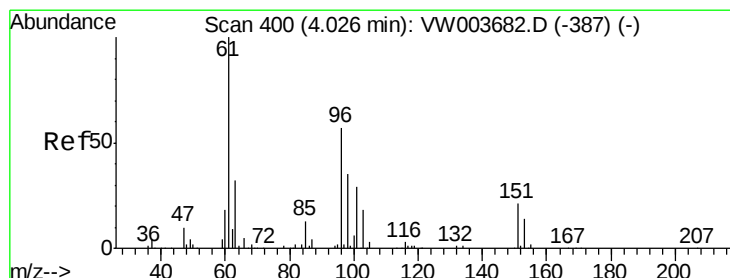
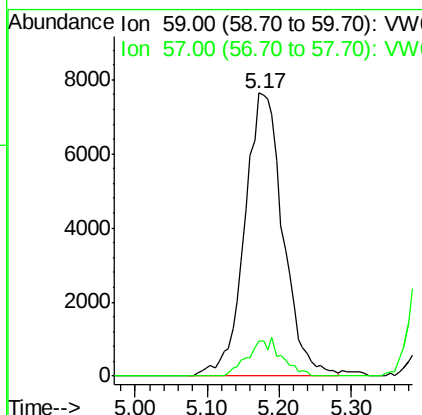
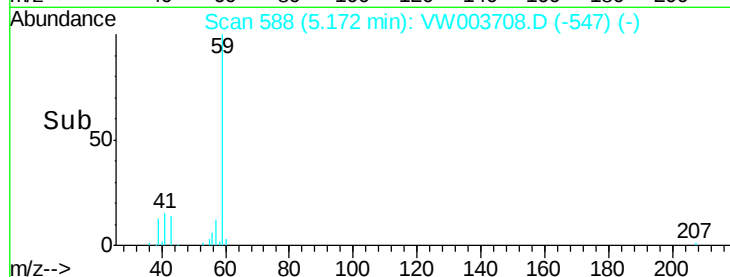
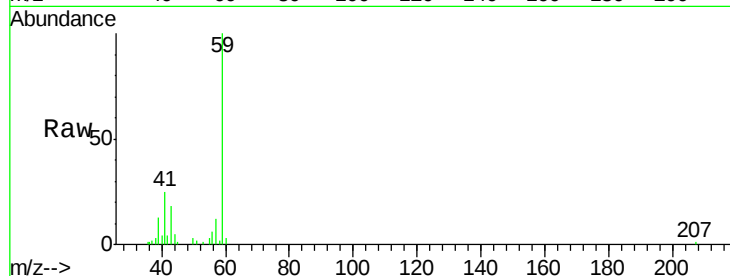
#11
Tert butyl alcohol
Concen: 285.650 ug/l
RT: 5.17 min Scan# 588
Delta R.T. -0.05 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	9.0	13.4

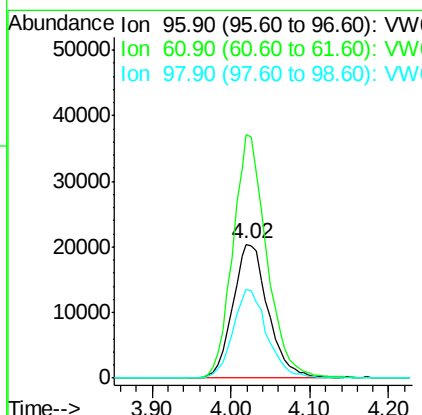
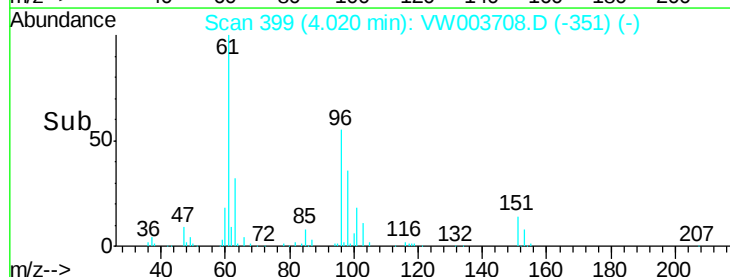
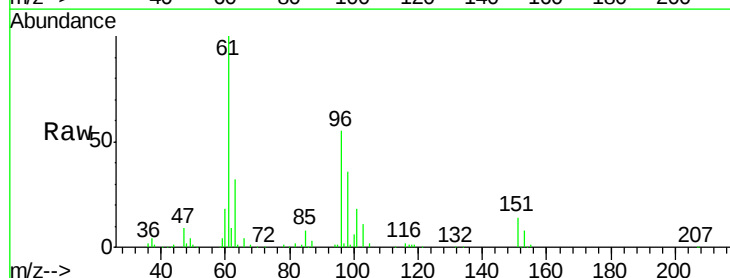
Manual Integrations
APPROVED

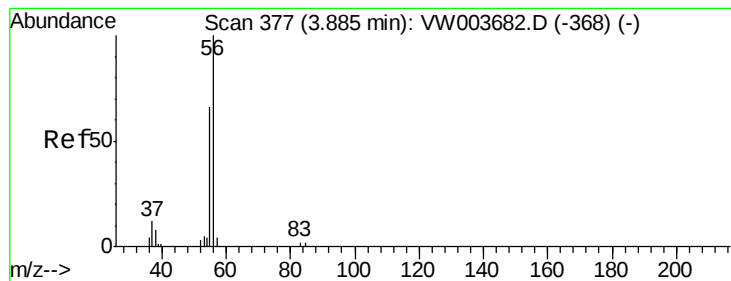
apatel
7/5/2018 11:12:05 AM



#12
1,1-Dichloroethene
Concen: 49.850 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.7	140.6	211.0
98	65.9	49.4	74.0





#13

Acrolein

Concen: 87.240 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MS

Tot Ion: 56 Resp: 4200

Ion Ratio Lower Upper

56 100

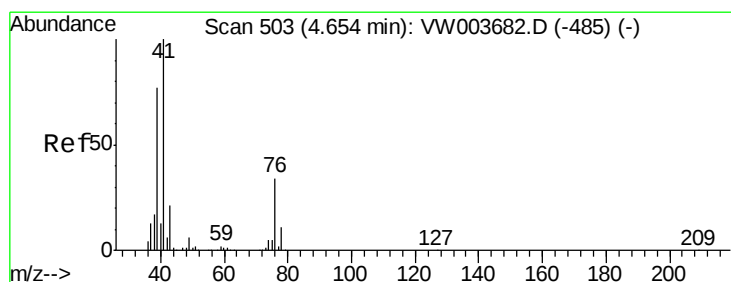
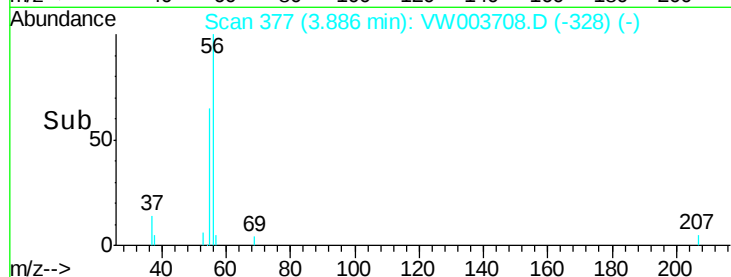
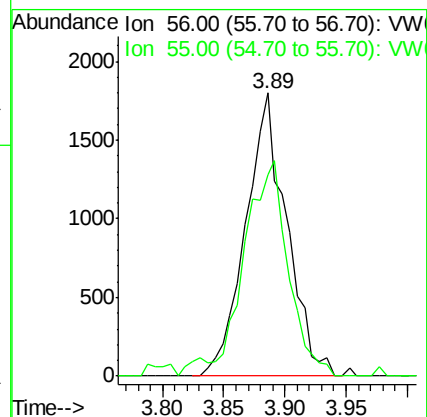
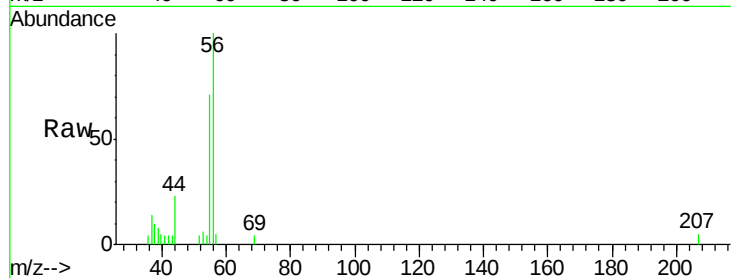
55 80.4 54.7 82.1

Manual Integrations

APPROVED

apatel

7/5/2018 11:12:05 AM



#14

Allyl chloride

Concen: 52.553 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.01 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

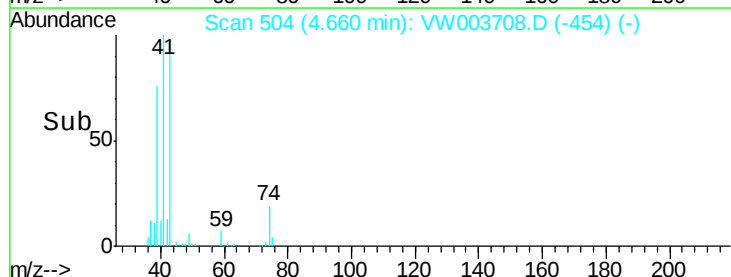
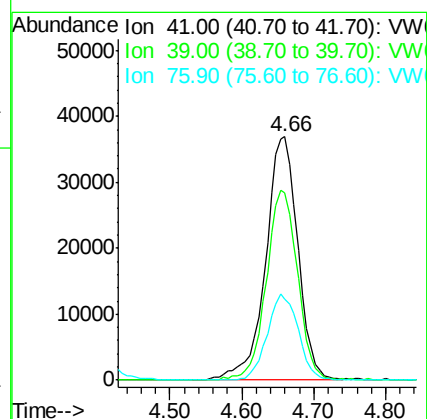
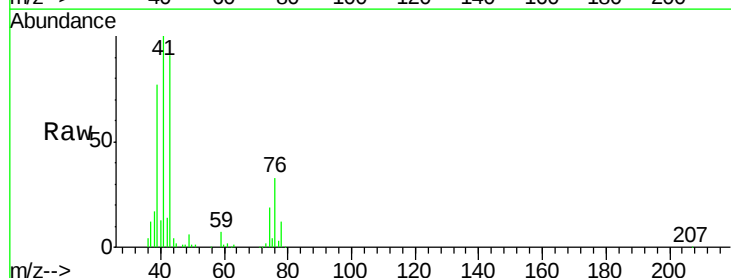
Tgt Ion: 41 Resp: 114431

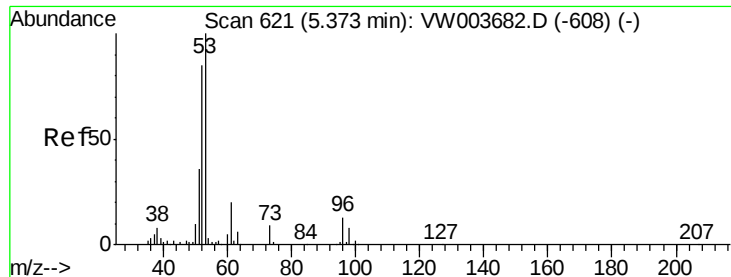
Ion Ratio Lower Upper

41 100

39 76.1 60.1 90.1

76 33.9 27.2 40.8





#15

Acrylonitrile

Concen: 296.926 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.01 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

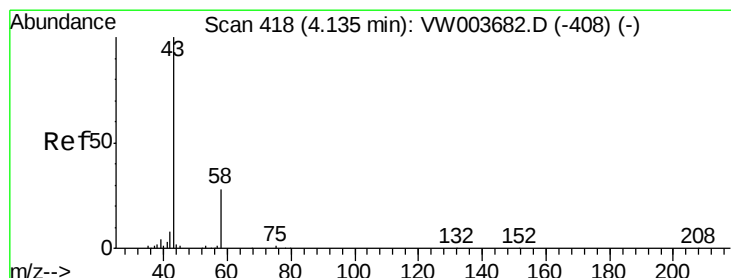
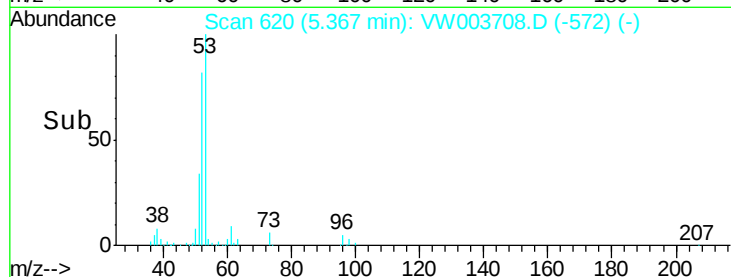
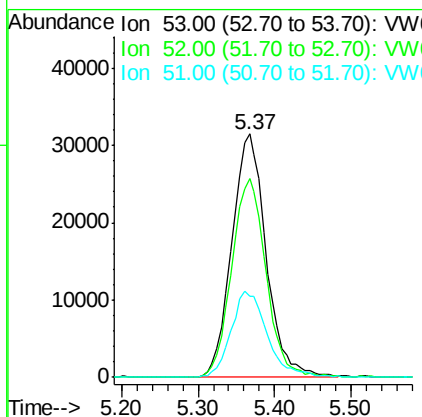
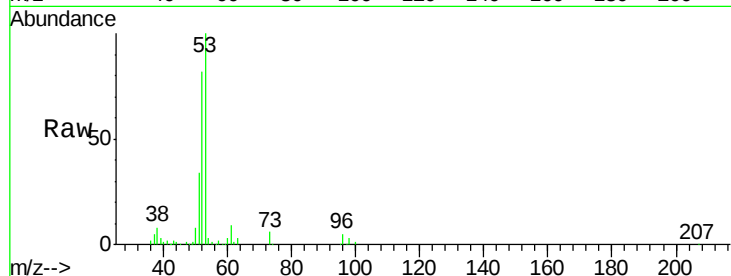
ClientSampled :

GF-G-9MS

Tot Ion:	53	Resp:	97945
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.8	100.2
51	37.6	30.2	45.4

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#16

Acetone

Concen: 299.834 ug/l

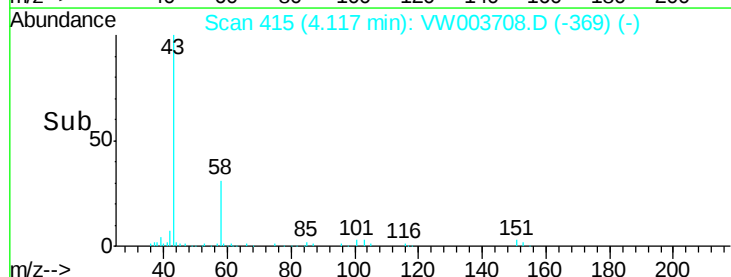
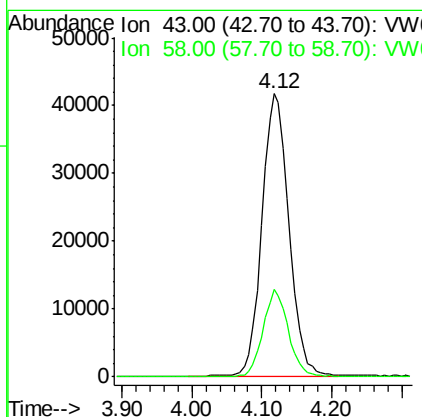
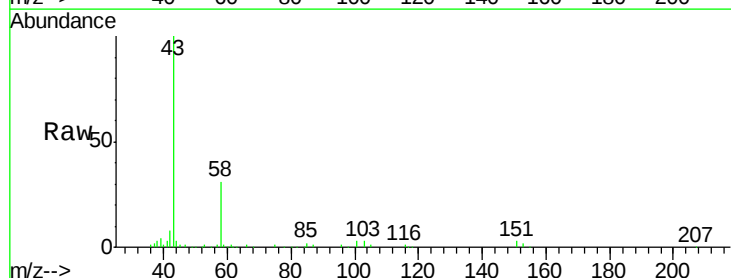
RT: 4.12 min Scan# 415

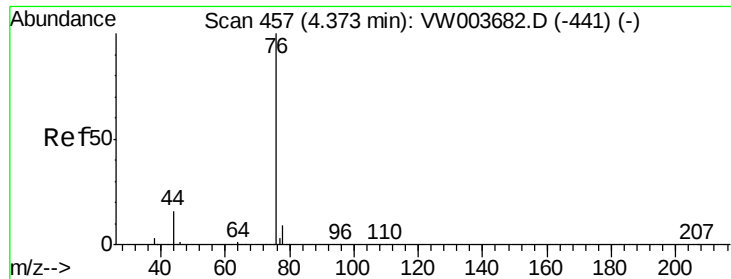
Delta R.T. -0.02 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Tgt Ion:	43	Resp:	113487
Ion	Ratio	Lower	Upper
43	100		
58	30.7	22.7	34.1





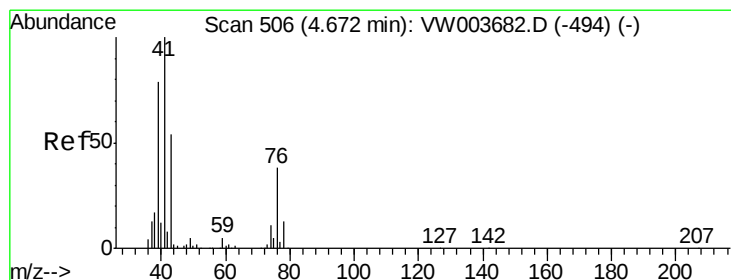
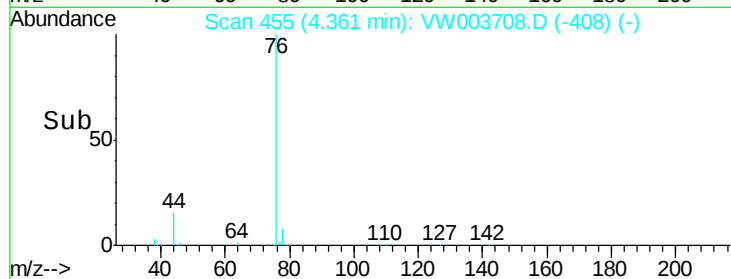
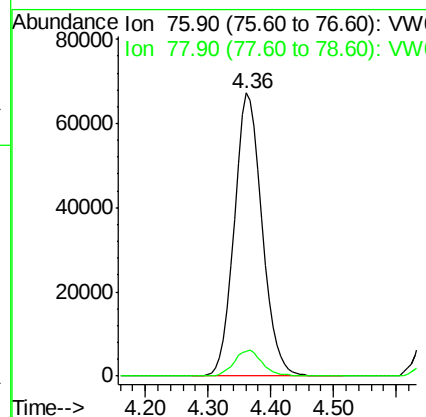
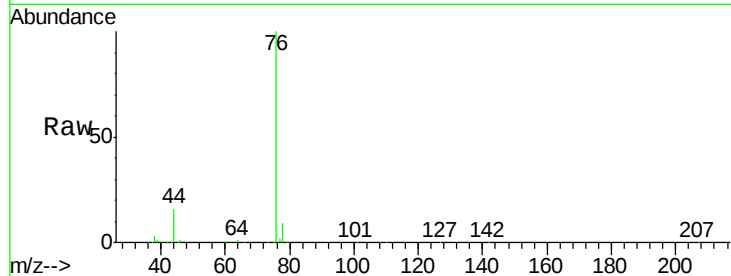
#17
Carbon Disulfide
Concen: 53.915 ug/l
RT: 4.36 min Scan# 455
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

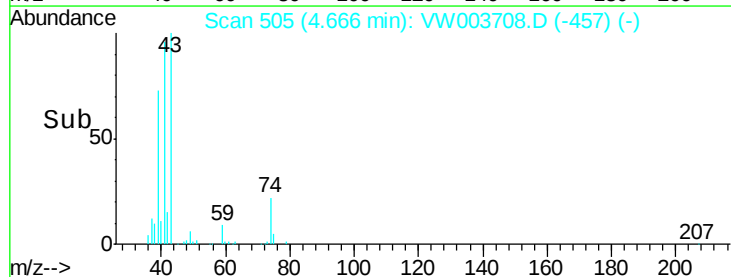
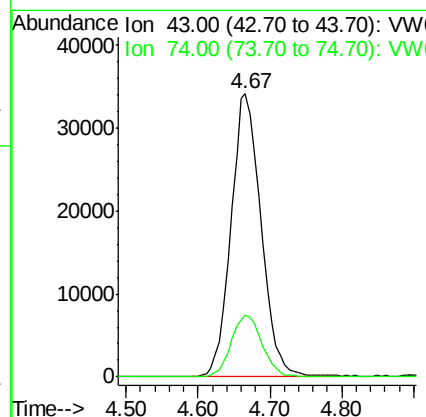
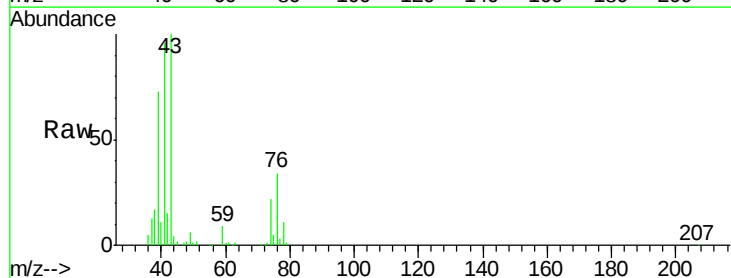
Manual Integrations
APPROVED

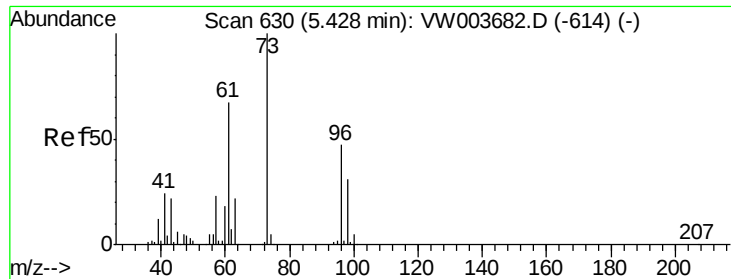
apatel
7/5/2018 11:12:05 AM



#18
Methyl Acetate
Concen: 119.679 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.2	27.2





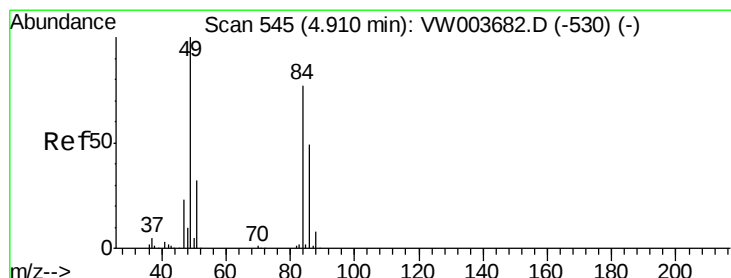
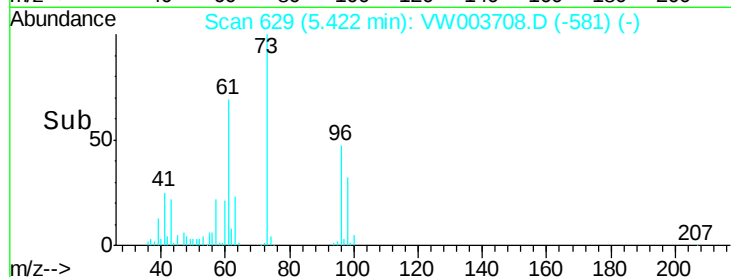
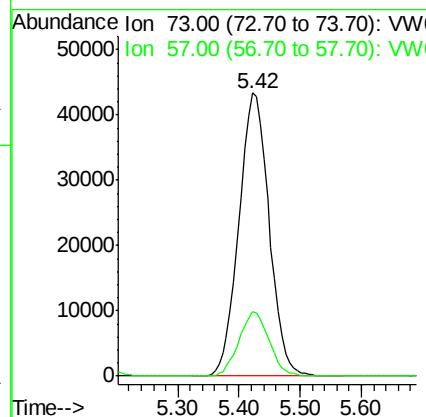
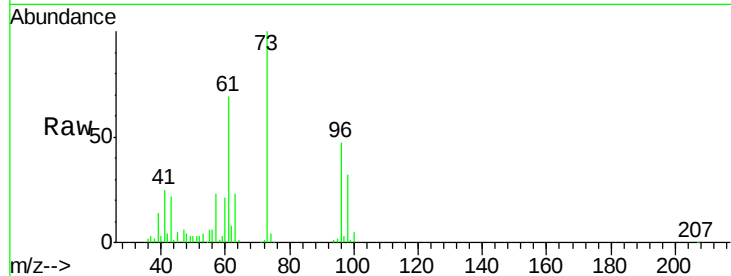
#19
Methyl tert-butyl Ether
Concen: 59.622 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion: 73 Resp: 148270
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1

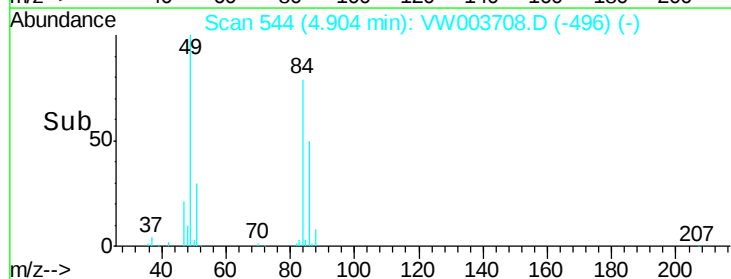
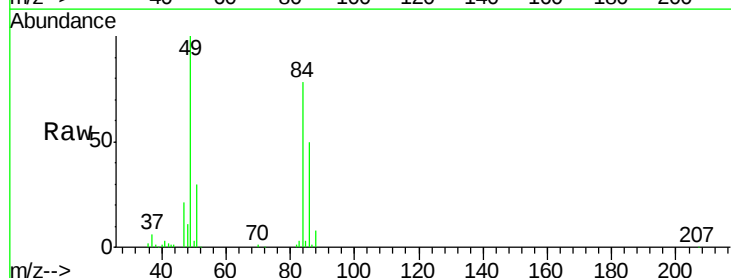
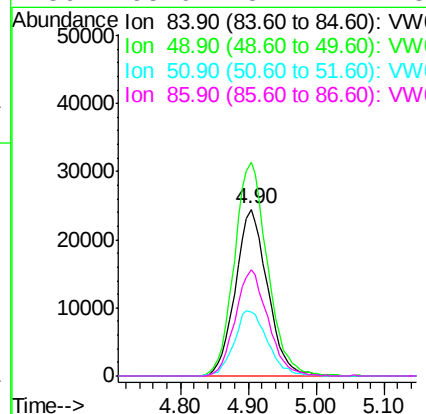
Manual Integrations
APPROVED

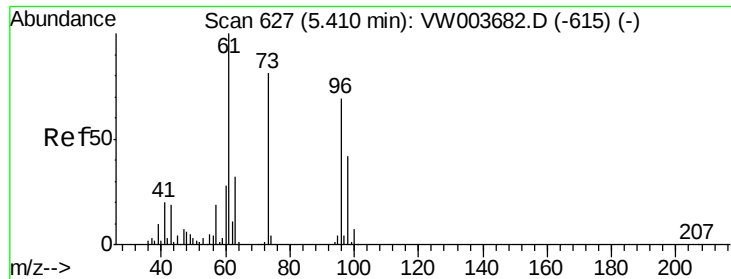
apatel
7/5/2018 11:12:05 AM



#20
Methylene Chloride
Concen: 55.854 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion: 84 Resp: 80423
Ion Ratio Lower Upper
84 100
49 127.9 104.6 156.8
51 38.3 33.2 49.8
86 63.9 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 50.972 ug/l

RT: 5.41 min Scan# 627

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

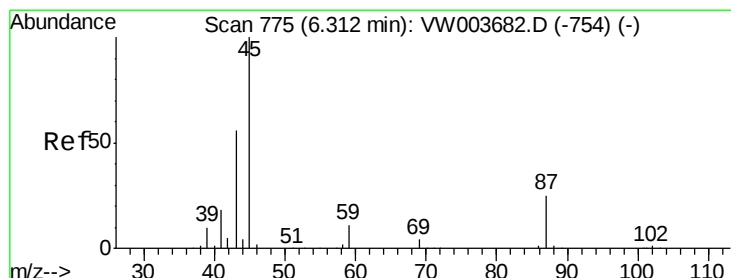
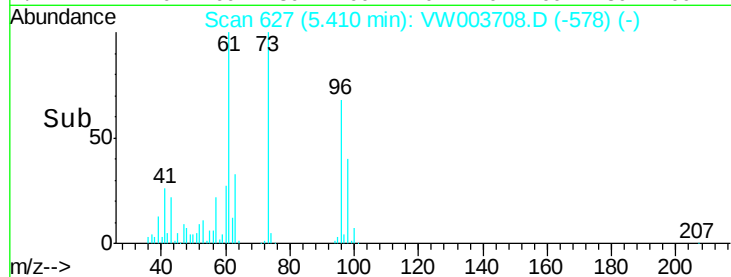
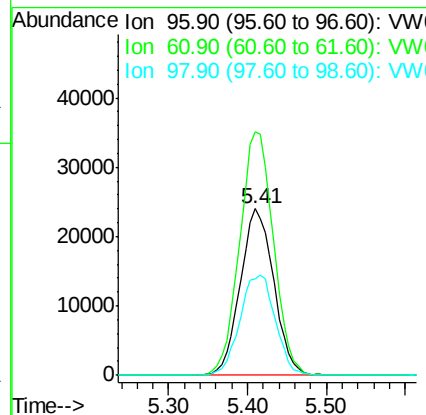
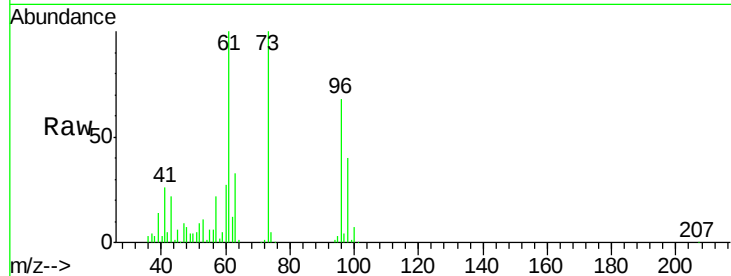
ClientSampled :

GF-G-9MS

Tot Ion:	96	Resp:	71074
Ion	Ratio	Lower	Upper
96	100		
61	146.0	116.8	175.2
98	58.0	49.6	74.4

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#22

Diisopropyl ether

Concen: 54.513 ug/l

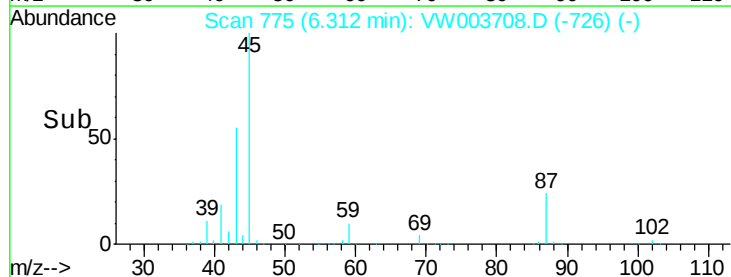
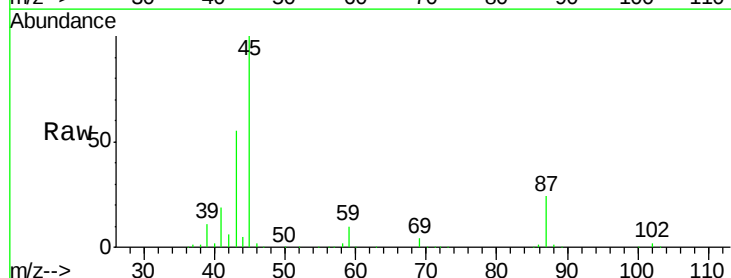
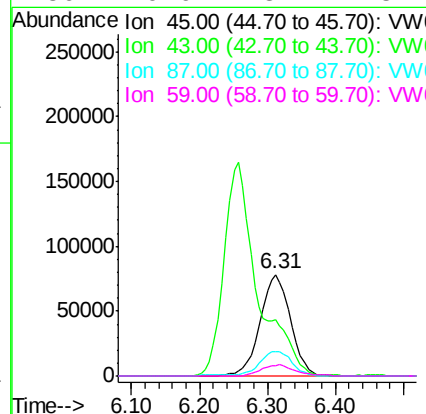
RT: 6.31 min Scan# 775

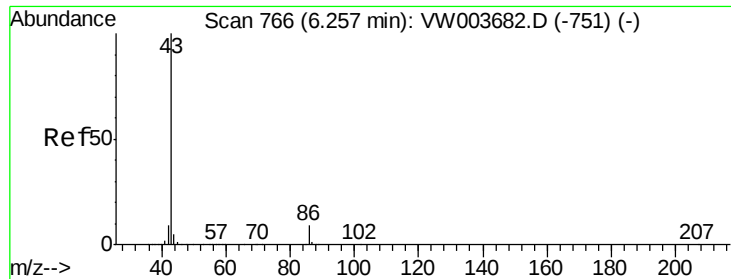
Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Tgt Ion:	45	Resp:	243361
Ion	Ratio	Lower	Upper
45	100		
43	54.7	44.5	66.7
87	24.2	20.2	30.4
59	9.9	8.7	13.1





#23

Vinyl Acetate

Concen: 190.204 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MS

Tot Ion: 43 Resp: 565098

Ion Ratio Lower Upper

43 100

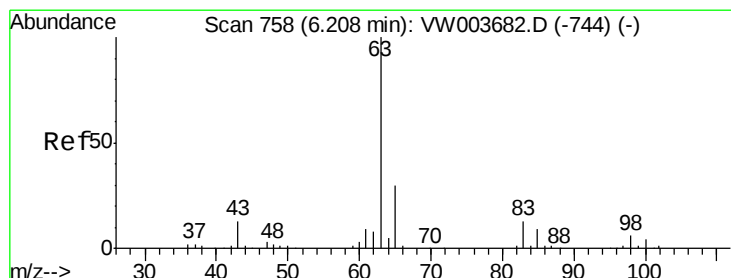
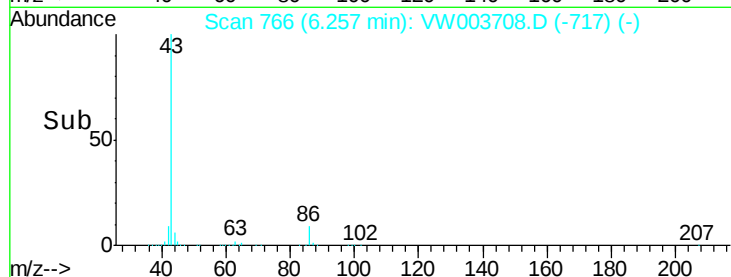
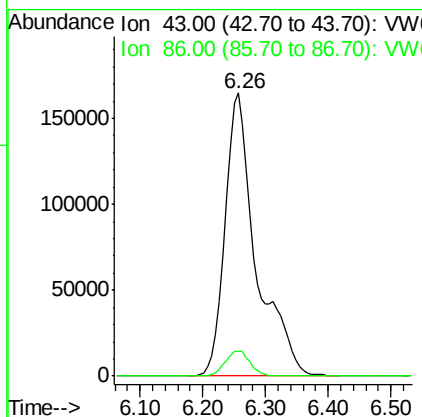
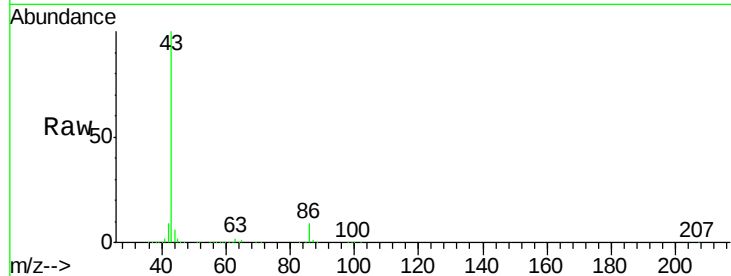
86 8.7 7.5 11.3

Manual Integrations

APPROVED

apatel

7/5/2018 11:12:05 AM



#24

1,1-Dichloroethane

Concen: 51.988 ug/l

RT: 6.21 min Scan# 758

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

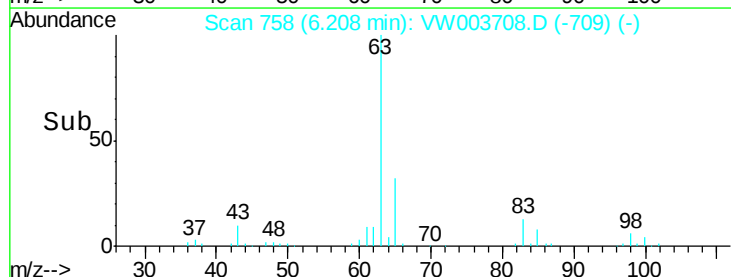
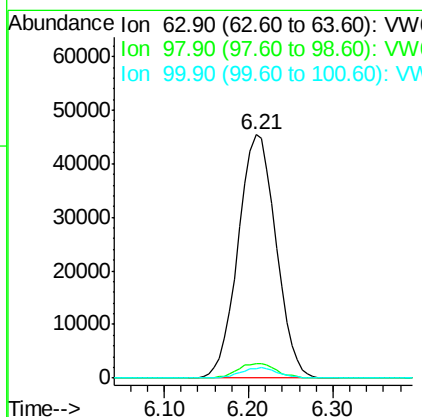
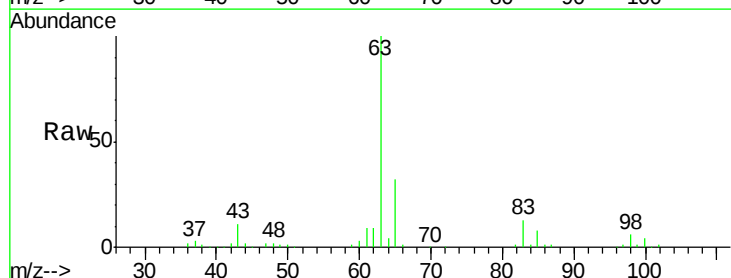
Tgt Ion: 63 Resp: 138407

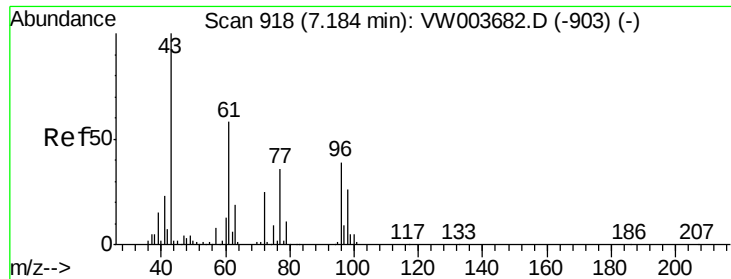
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.7 1.9 5.7





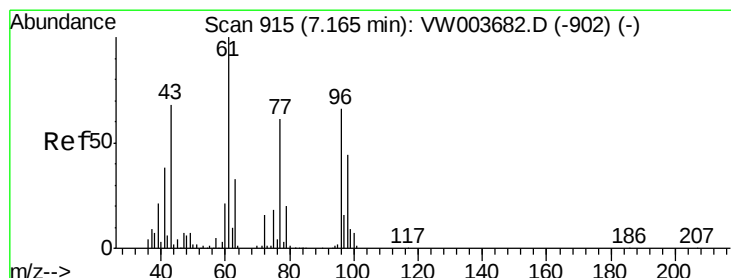
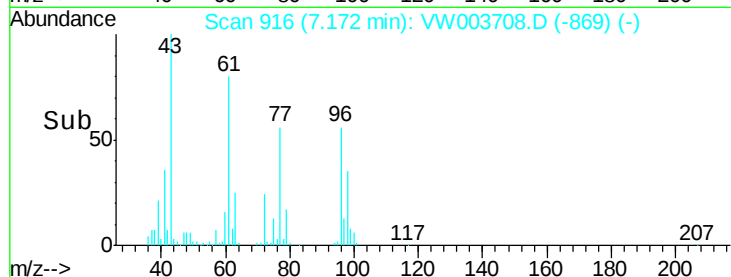
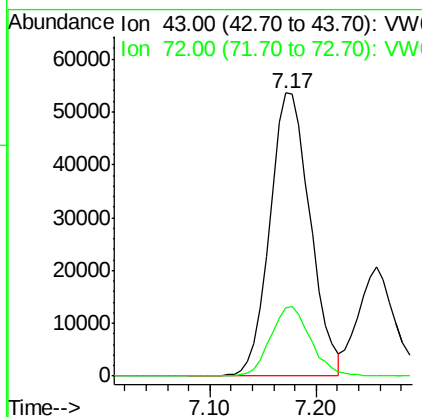
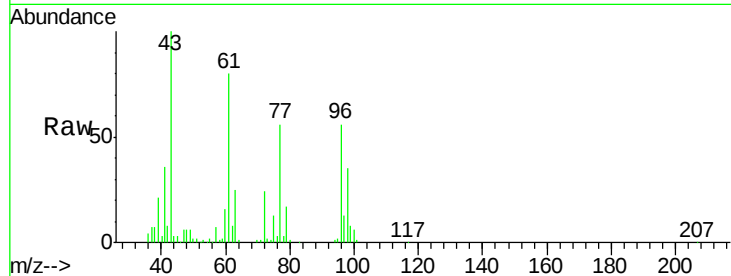
#25
2-Butanone
Concen: 289.987 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion: 43 Resp: 140542
Ion Ratio Lower Upper
43 100
72 24.4 20.2 30.4

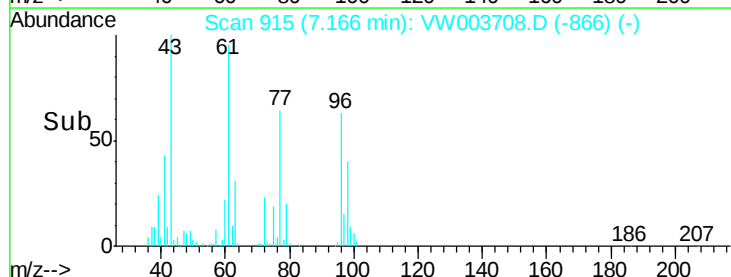
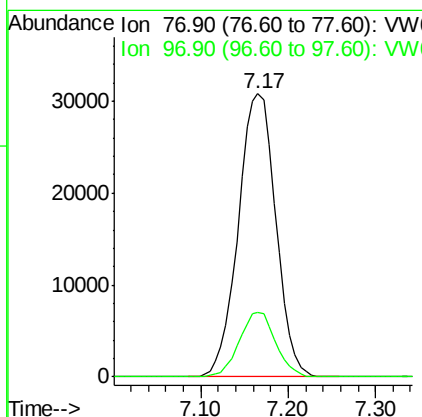
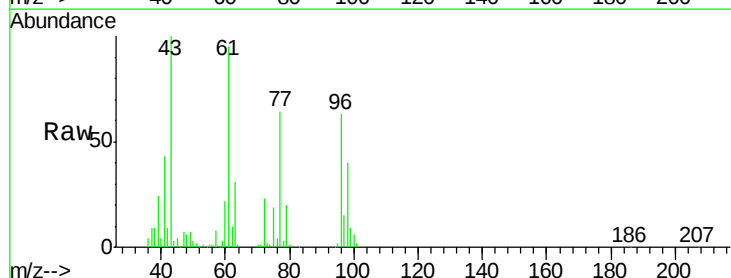
Manual Integrations
APPROVED

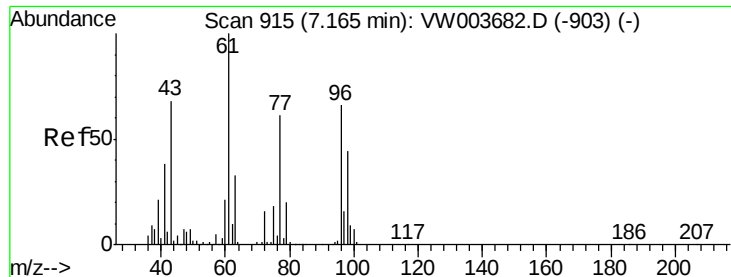
apatel
7/5/2018 11:12:05 AM



#26
2,2-Dichloropropane
Concen: 56.283 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion: 77 Resp: 91875
Ion Ratio Lower Upper
77 100
97 22.0 11.7 35.1





#27

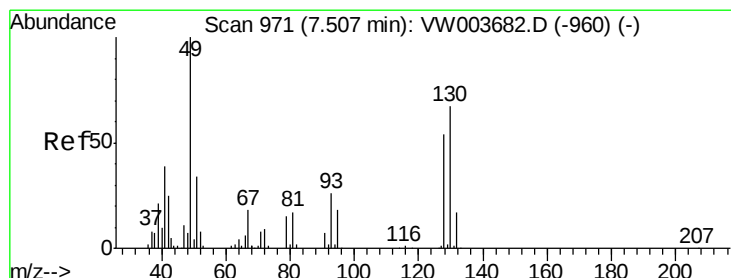
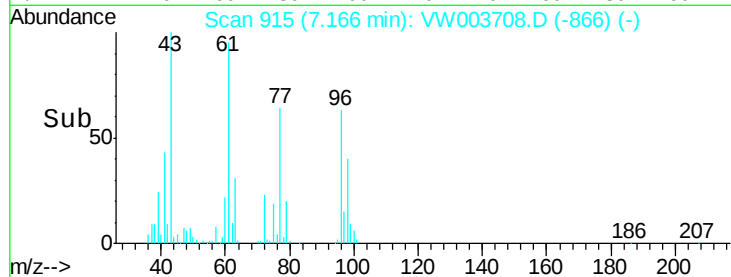
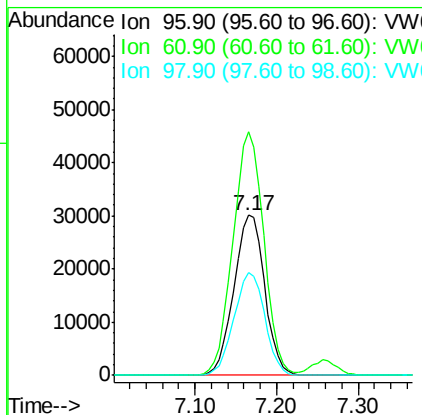
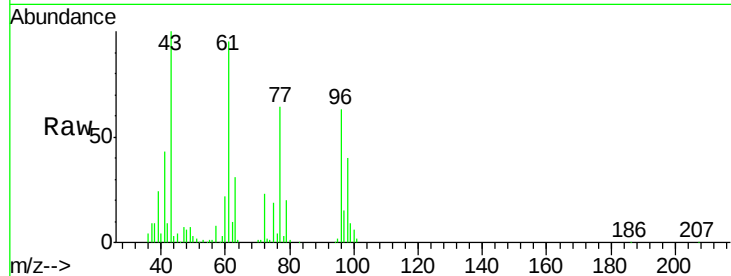
cis-1,2-Dichloroethene
Concen: 51.816 ug/l
RT: 7.17 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.2	0.0	305.0
98	64.1	0.0	129.6

Manual Integrations
APPROVED

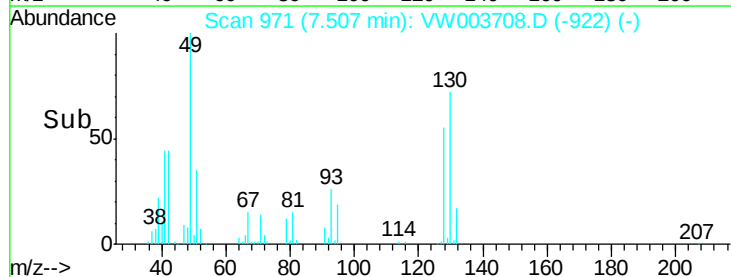
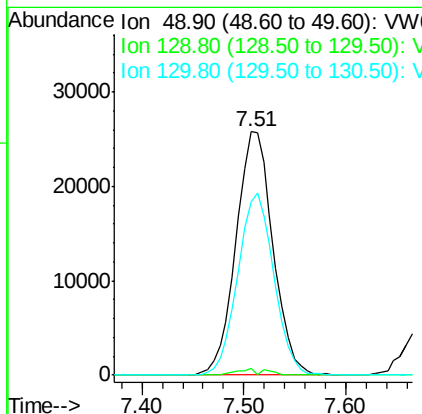
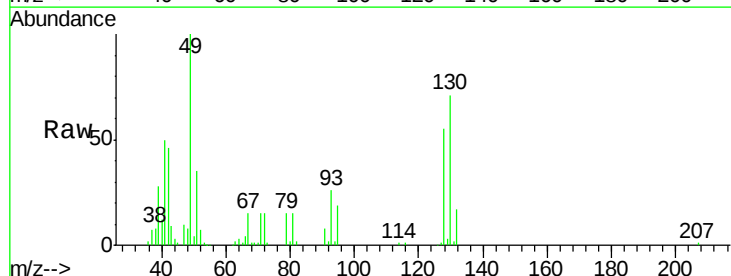
apatel
7/5/2018 11:12:05 AM

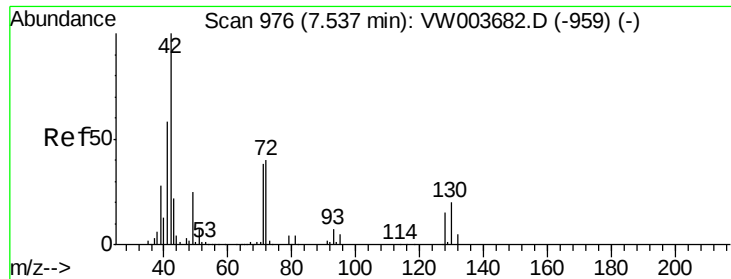


#28

Bromochloromethane
Concen: 55.383 ug/l
RT: 7.51 min Scan# 971
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.0
130	0.0	57.0	85.6#





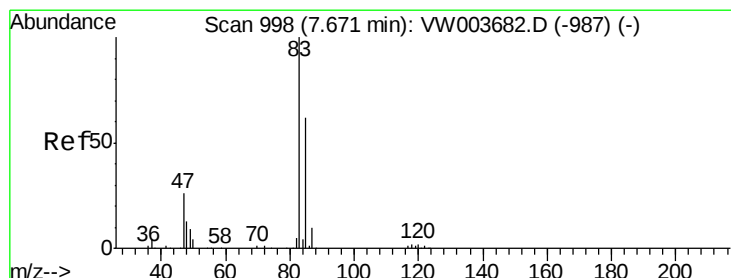
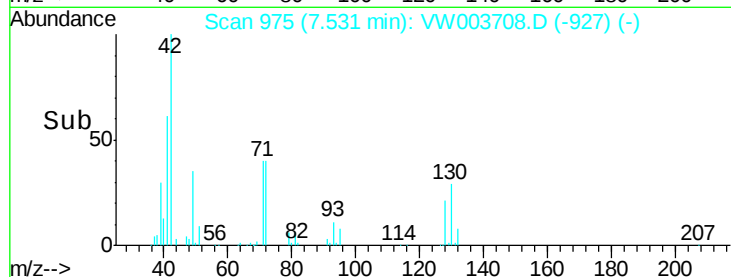
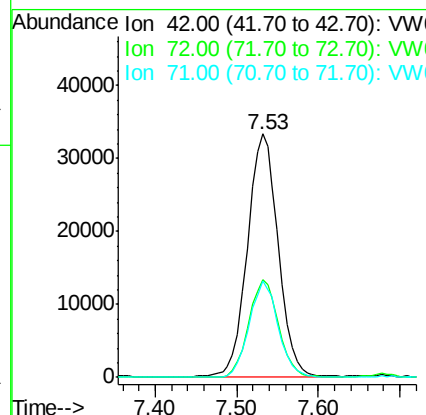
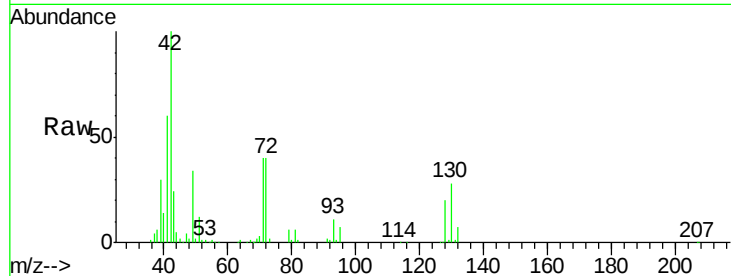
#29
Tetrahydrofuran
Concen: 302.817 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.0	48.0
71	37.1	30.2	45.2

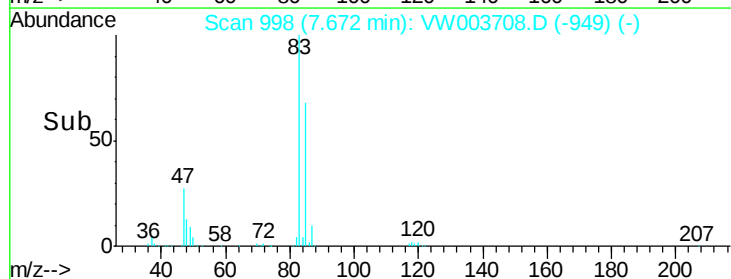
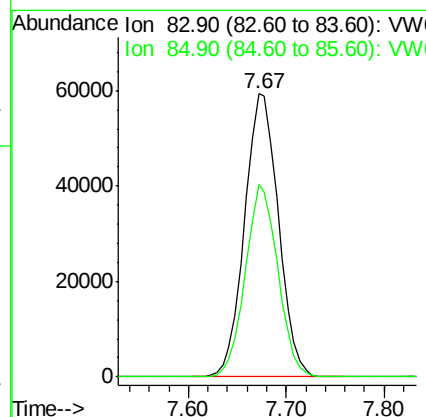
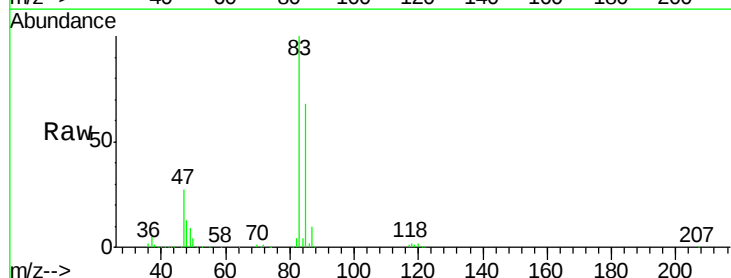
Manual Integrations
APPROVED

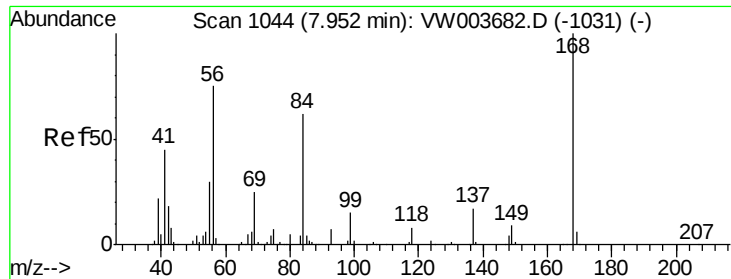
apatel
7/5/2018 11:12:05 AM



#30
Chloroform
Concen: 53.016 ug/l
RT: 7.67 min Scan# 998
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	49.7	74.5





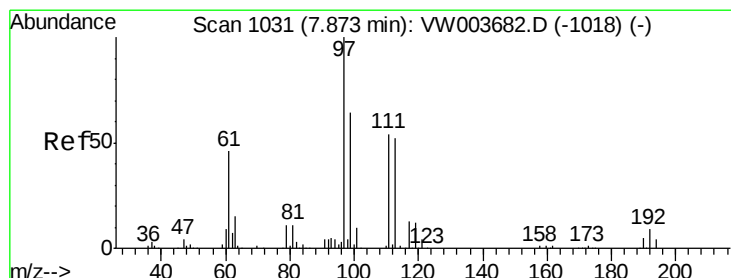
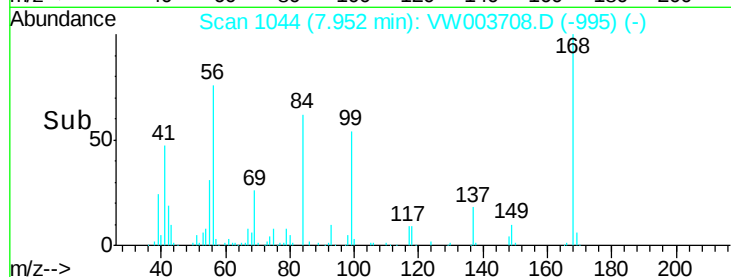
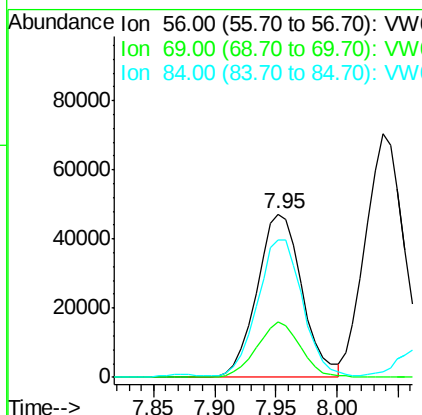
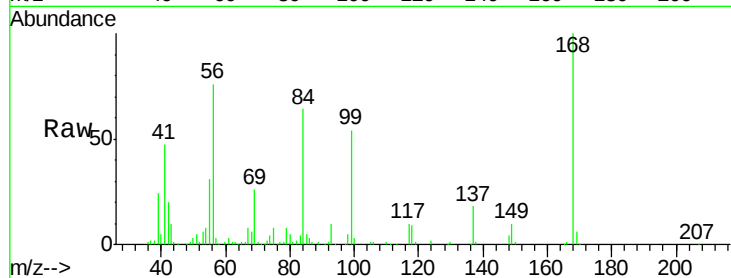
#31
Cyclohexane
Concen: 49.922 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Resp	Lower	Upper
56	100	121011		
69	33.9	27.0	40.4	
84	82.0	65.4	98.0	

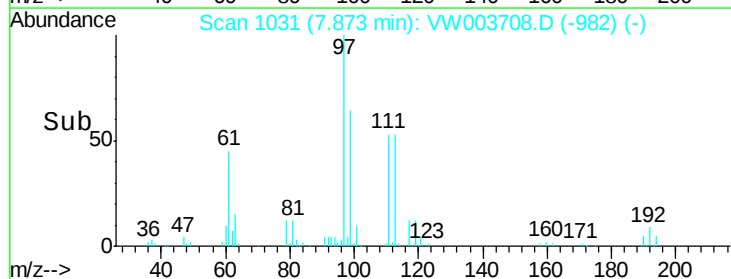
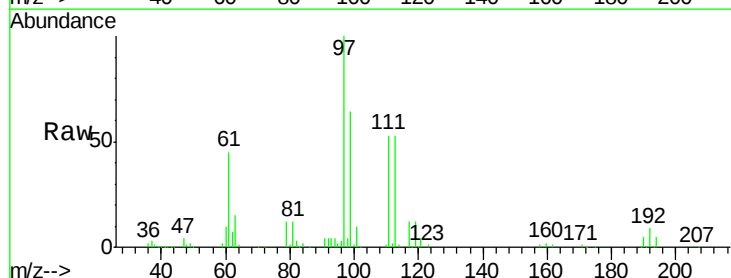
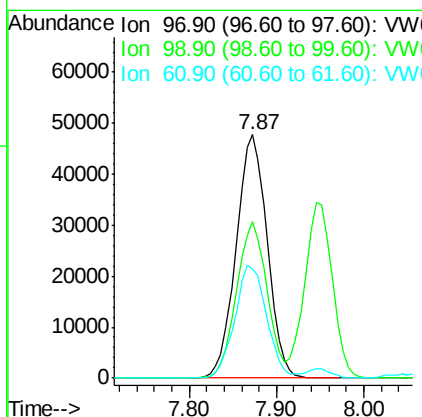
Manual Integrations
APPROVED

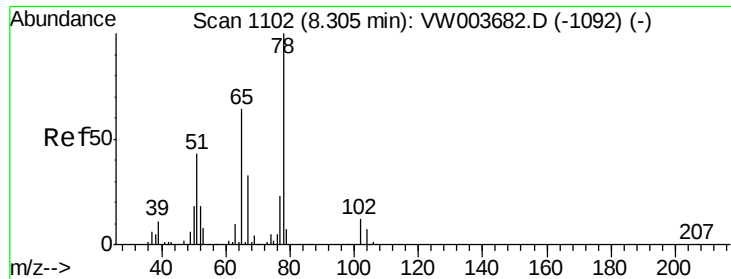
apatel
7/5/2018 11:12:05 AM



#32
1,1,1-Trichloroethane
Concen: 56.297 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	117977		
99	63.1	50.6	76.0	
61	47.3	37.2	55.8	





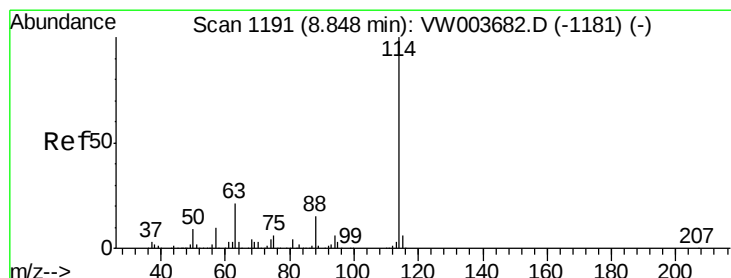
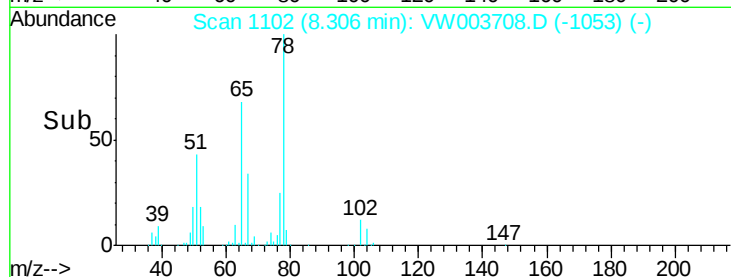
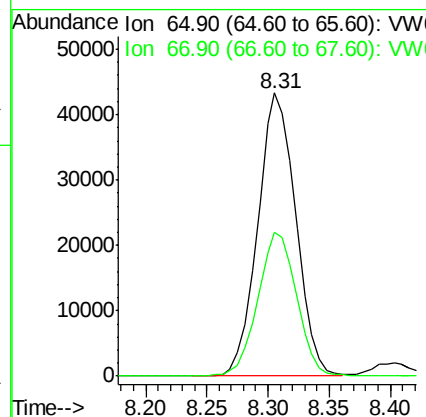
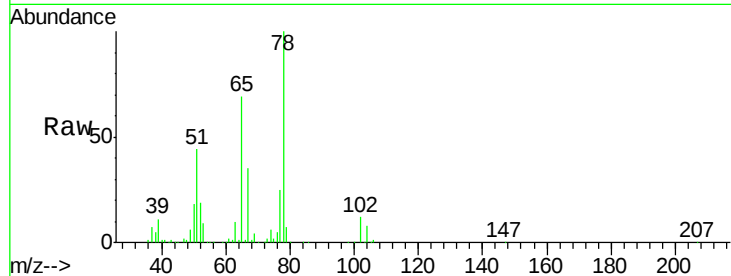
#33
 1,2-Dichloroethane-d4
 Concen: 59.078 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.0	

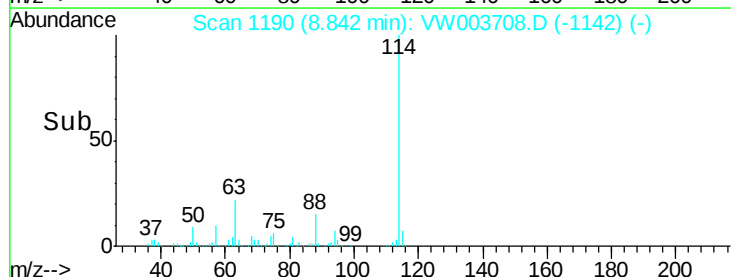
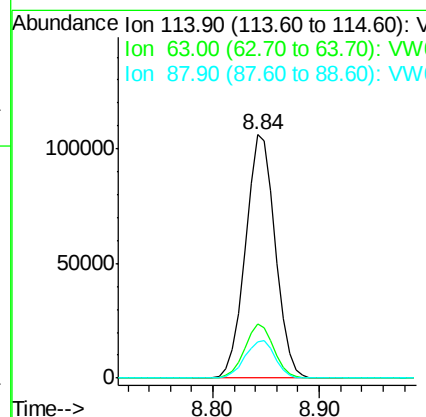
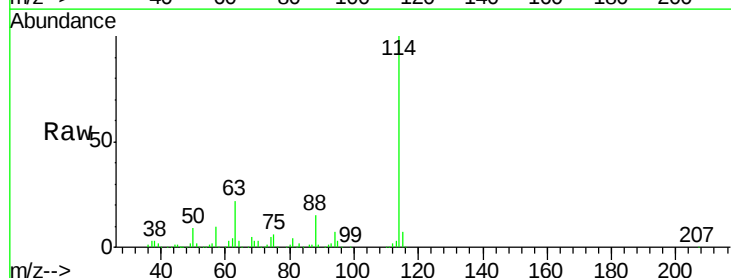
Manual Integrations
 APPROVED

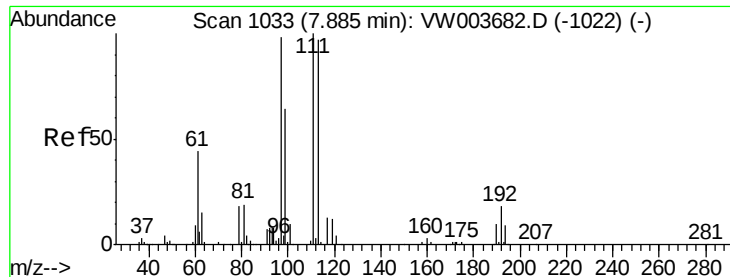
apatel
 7/5/2018 11:12:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.3	0.0	41.6	
88	15.1	0.0	29.8	





#35

Dibromofluoromethane

Concen: 56.824 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MS

Tot Ion:113 Resp: 77266

Ion Ratio Lower Upper

113 100

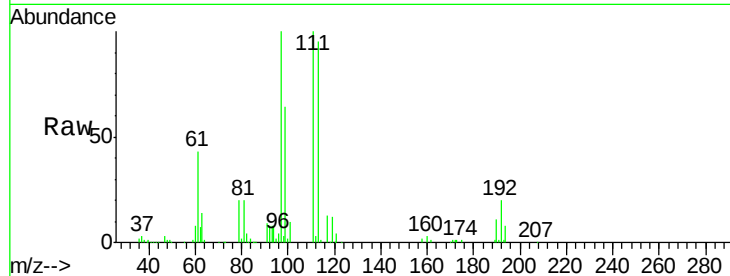
111 103.5 82.4 123.6

192 20.5 15.8 23.6

Manual Integrations
APPROVED

apatel

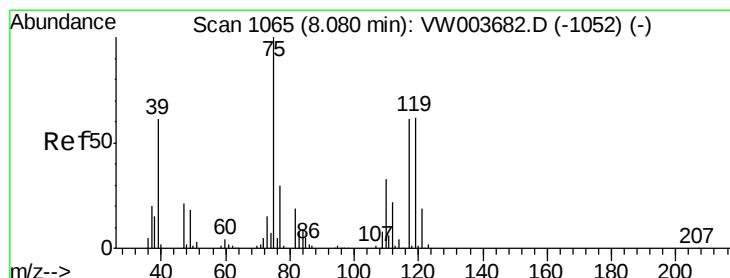
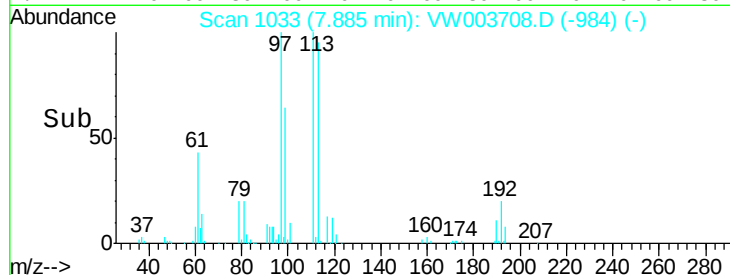
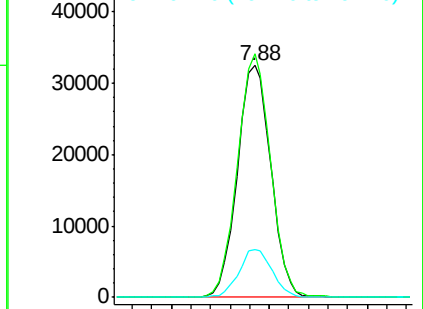
7/5/2018 11:12:05 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.936 ug/l

RT: 8.08 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

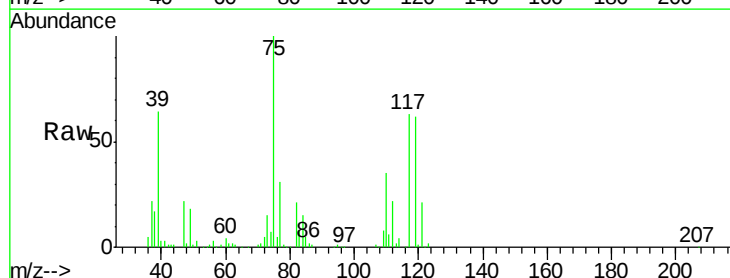
Tgt Ion: 75 Resp: 108694

Ion Ratio Lower Upper

75 100

110 33.9 16.9 50.6

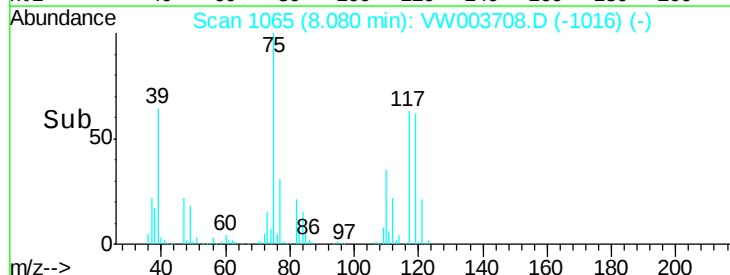
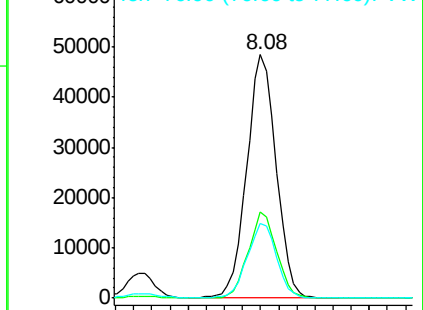
77 30.8 24.9 37.3

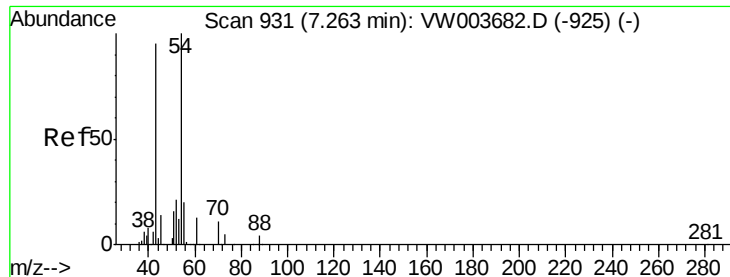


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





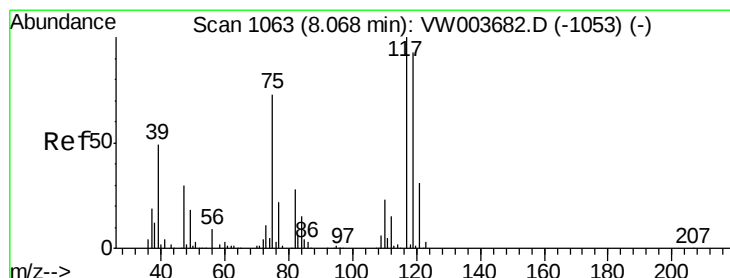
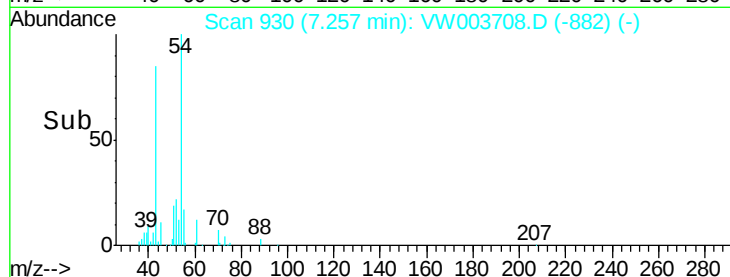
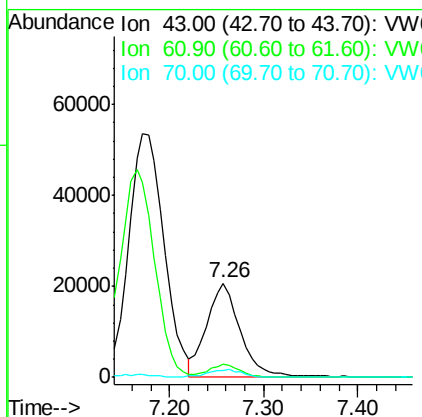
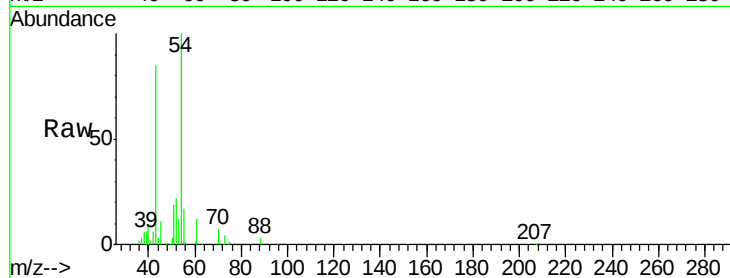
#37
Ethyl Acetate
Concen: 49.781 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	8.9	7.7	11.5

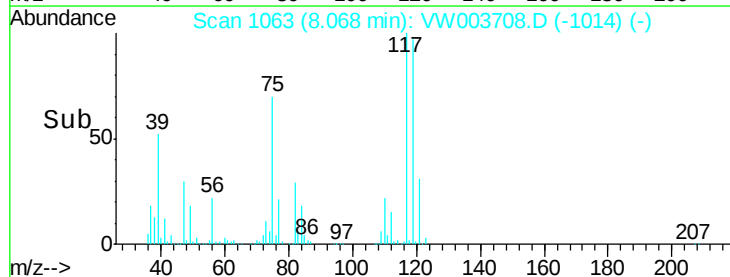
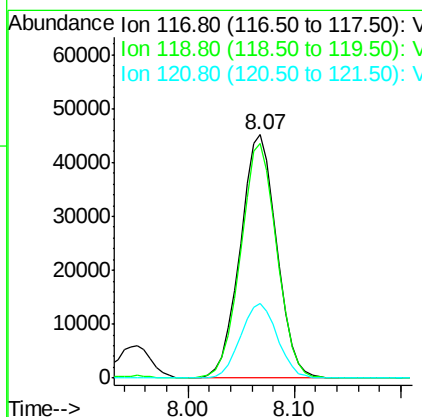
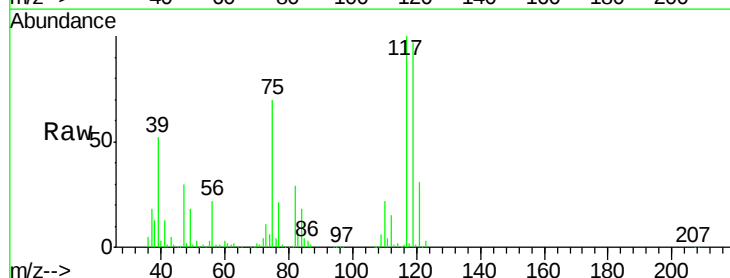
Manual Integrations
APPROVED

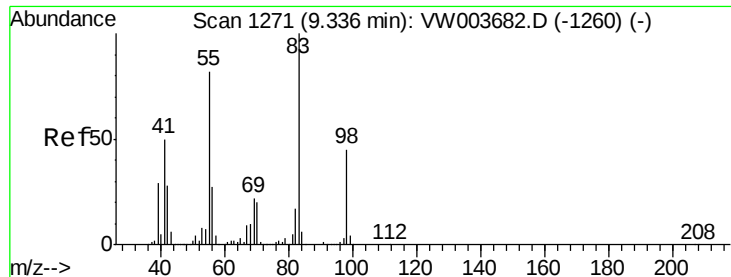
apatel
7/5/2018 11:12:05 AM



#38
Carbon Tetrachloride
Concen: 54.435 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.1	111.1
121	30.7	25.0	37.4





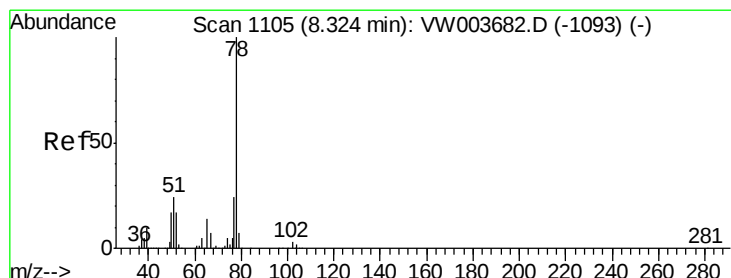
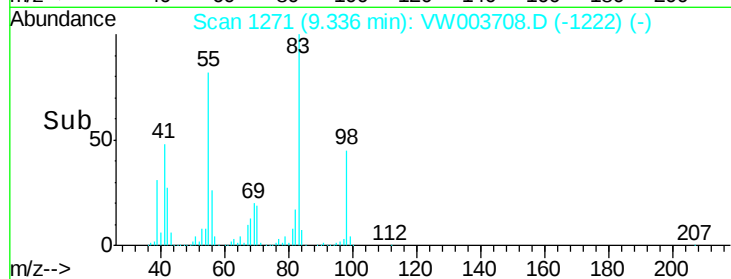
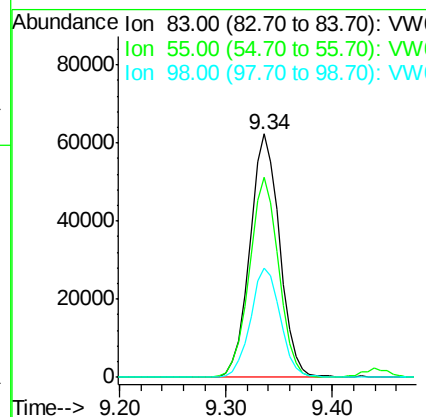
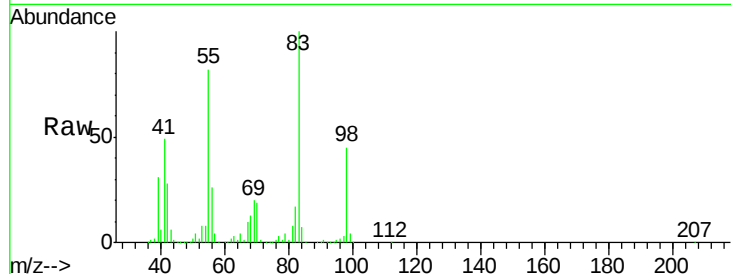
#39
Methvlcvclohexane
Concen: 50.802 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	122435		
55	82.0	65.3	97.9	
98	45.1	36.3	54.5	

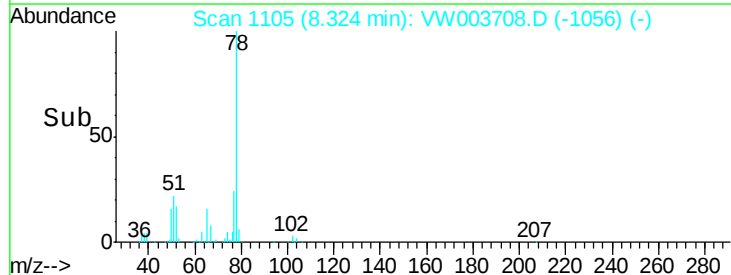
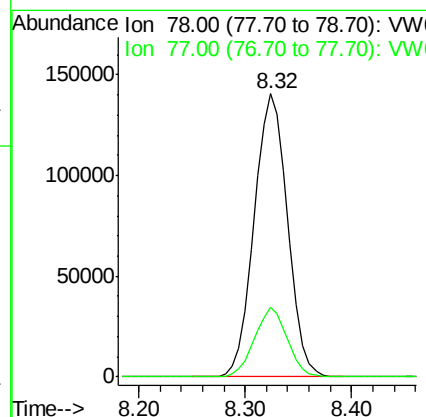
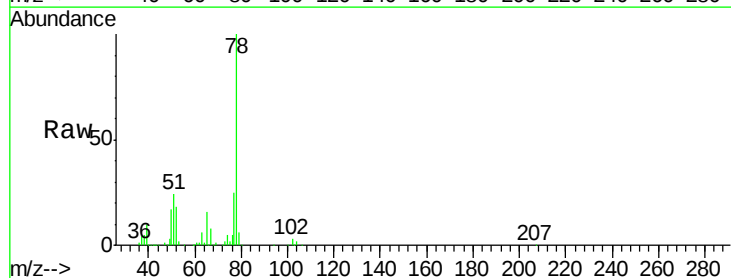
Manual Integrations
APPROVED

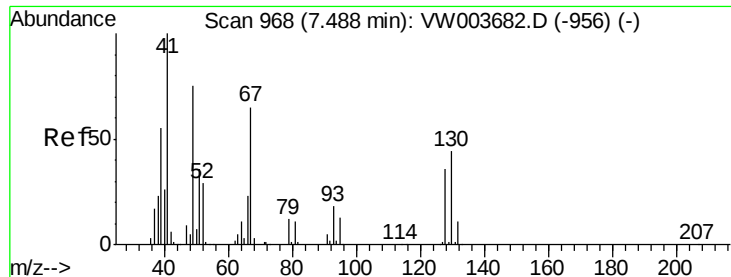
apatel
7/5/2018 11:12:05 AM



#40
Benzene
Concen: 52.565 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	309200		
77	24.6	19.4	29.0	





#41

Methacrylonitrile

Concen: 55.011 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MS

Tot Ion: 41 Resp: 31853

Ion Ratio Lower Upper

41 100

39 56.0 47.8 71.8

67 70.9 53.9 80.9

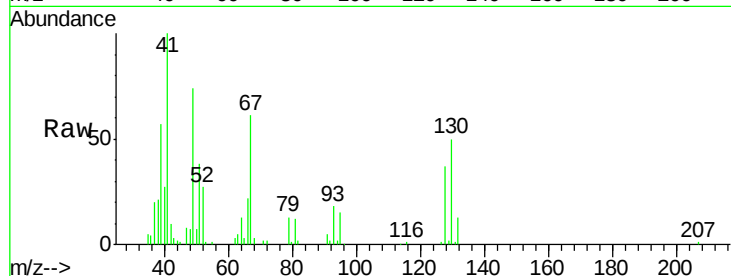
52 33.4 25.0 37.6

Manual Integrations

APPROVED

apatel

7/5/2018 11:12:05 AM

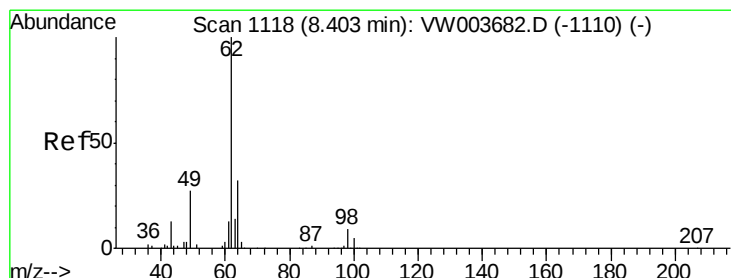
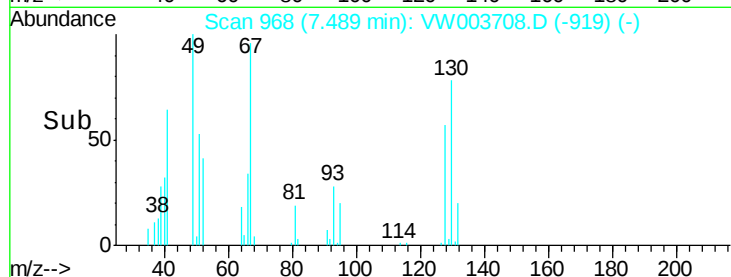
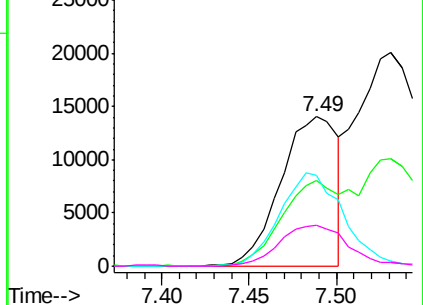


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 57.099 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003708.D

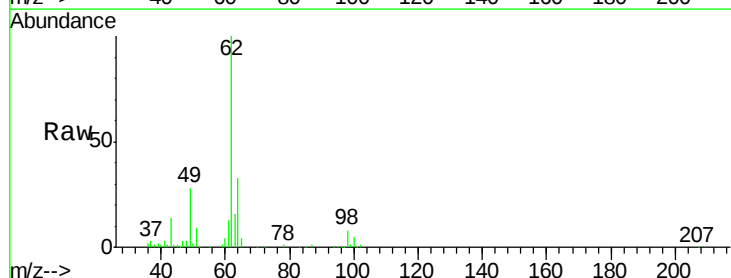
Acq: 03 Jul 2018 19:18

Tgt Ion: 62 Resp: 105757

Ion Ratio Lower Upper

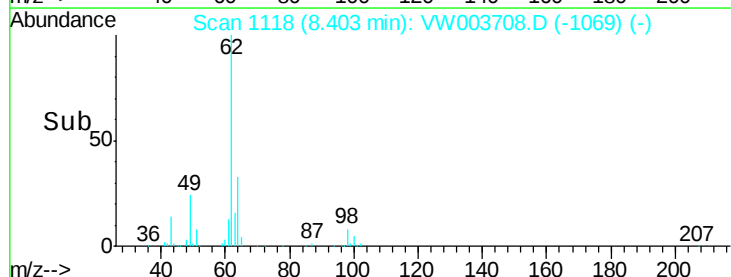
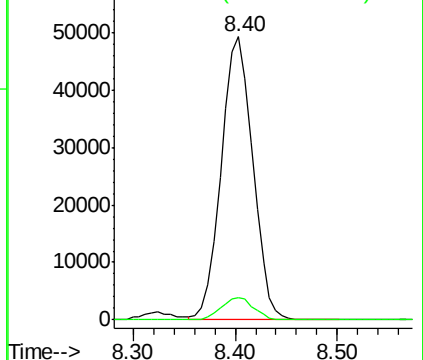
62 100

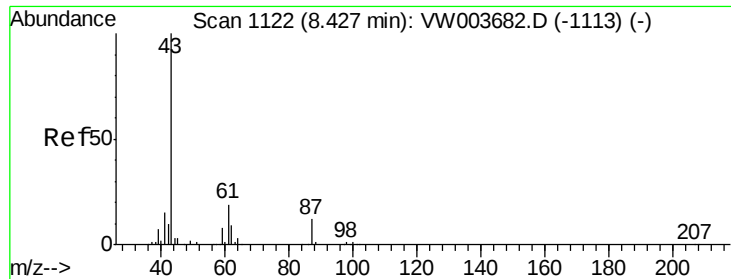
98 8.1 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 51.017 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

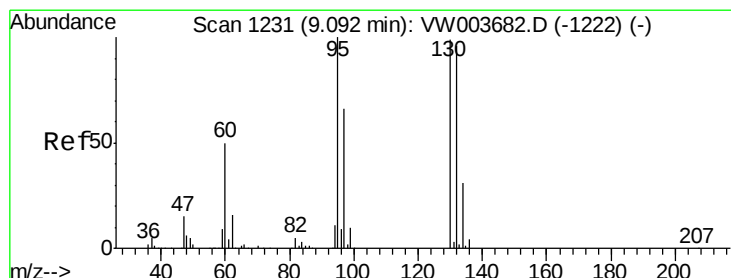
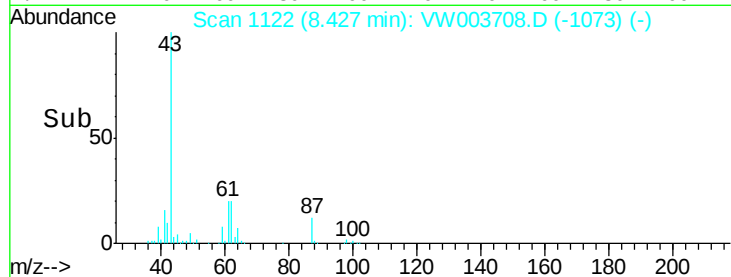
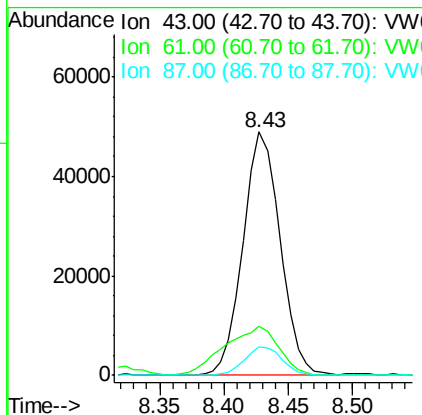
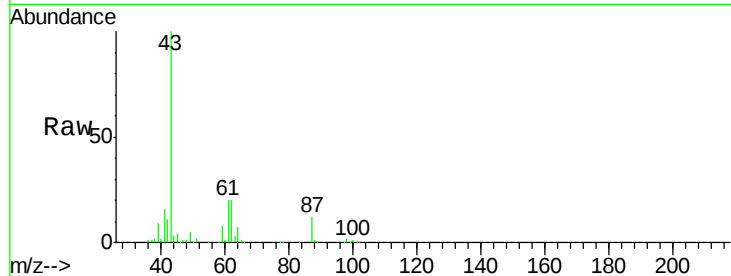
ClientSampled :

GF-G-9MS

Tot Ion:	43	Resp:	97881
Ion Ratio	Lower	Upper	
43	100		
61	29.5	23.0	34.6
87	12.0	9.8	14.6

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#44

Trichloroethene

Concen: 51.242 ug/l

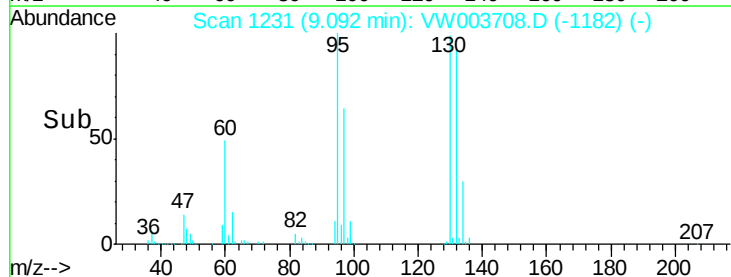
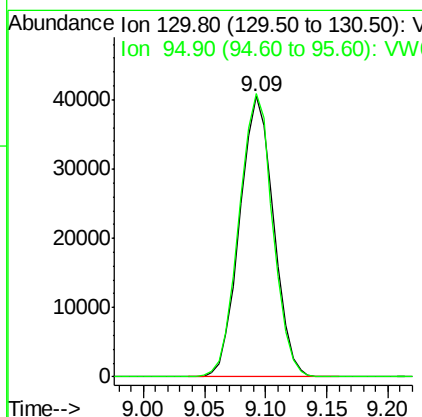
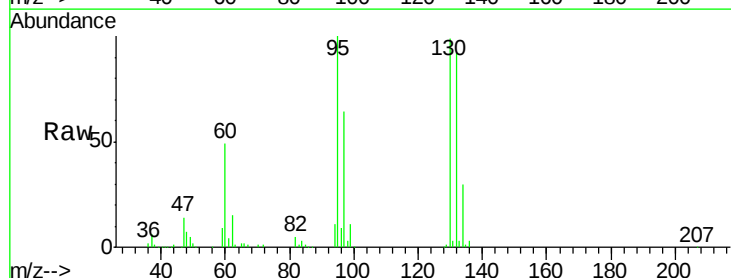
RT: 9.09 min Scan# 1231

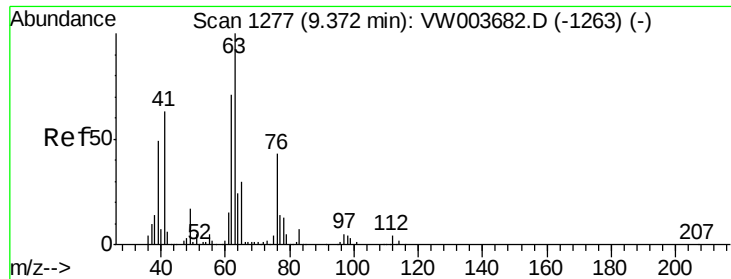
Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Tgt Ion:	130	Resp:	77920
Ion Ratio	Lower	Upper	
130	100		
95	101.0	0.0	202.6





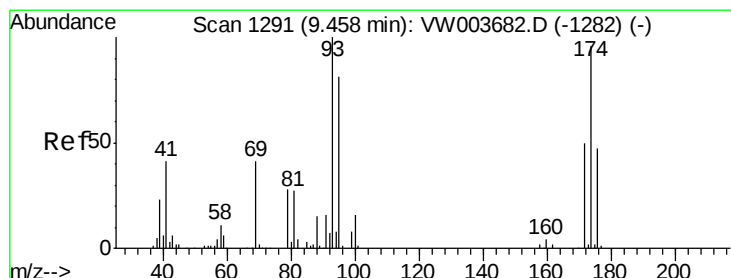
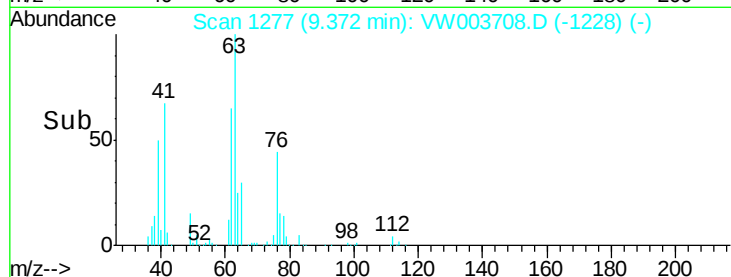
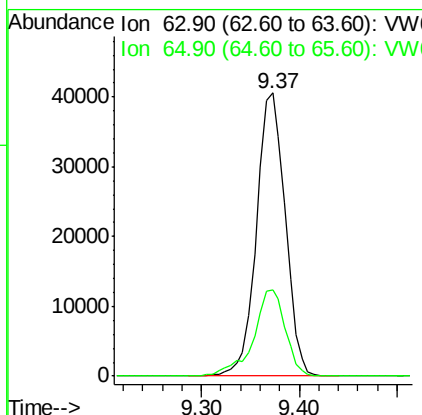
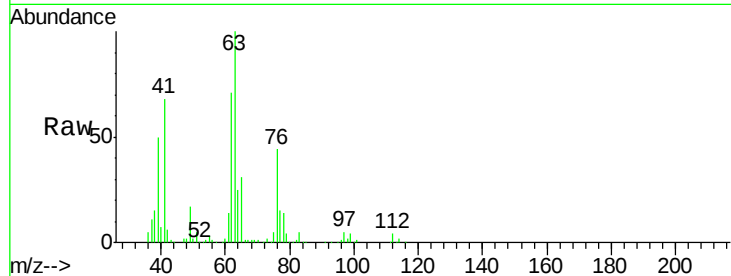
#45
 1,2-Dichloropropane
 Concen: 54.229 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.3	36.5

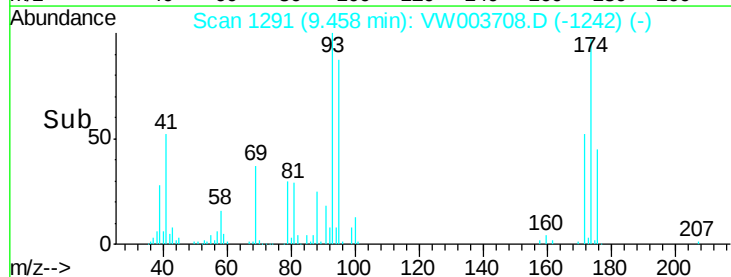
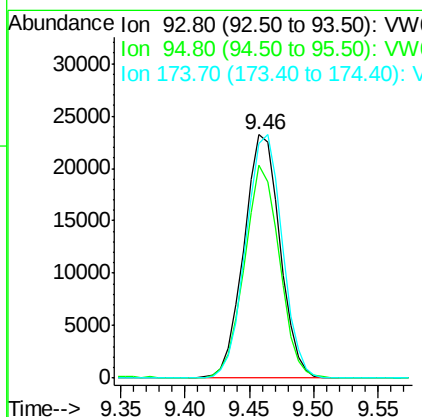
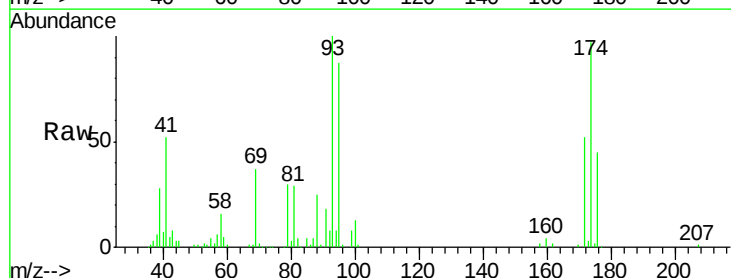
Manual Integrations
 APPROVED

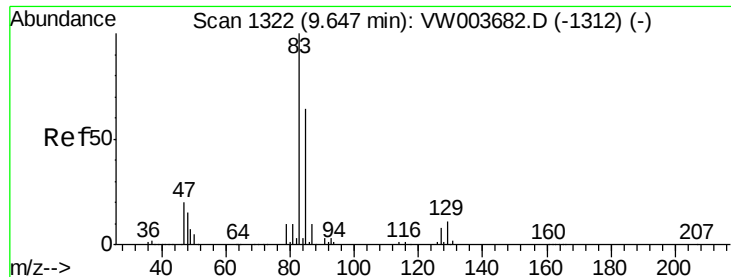
apatel
 7/5/2018 11:12:05 AM



#46
 Dibromomethane
 Concen: 56.644 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	66.2	99.4
174	100.8	79.6	119.4





#47

Bromodichloromethane

Concen: 55.527 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

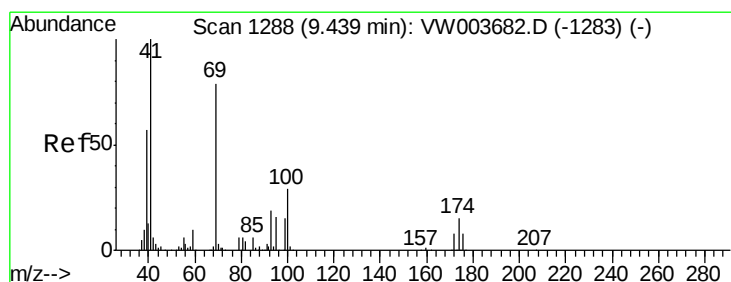
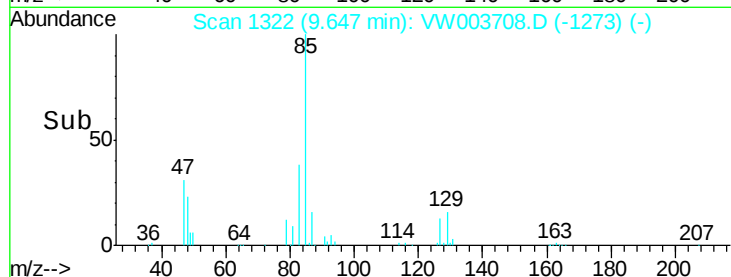
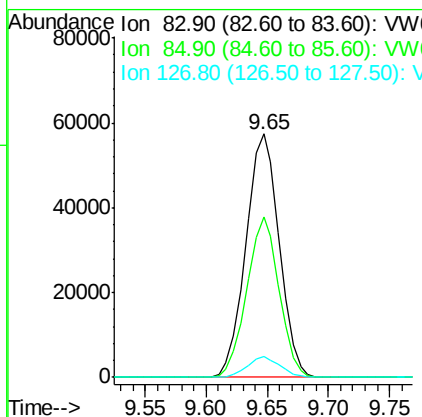
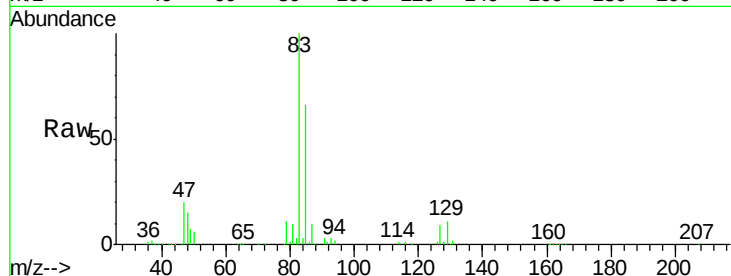
ClientSampleId :

GF-G-9MS

Tot Ion:	83	Resp:	108775
Ion Ratio	Lower	Upper	
83	100		
85	65.7	51.1	76.7
127	8.8	6.5	9.7

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#48

Methyl methacrylate

Concen: 55.727 ug/l

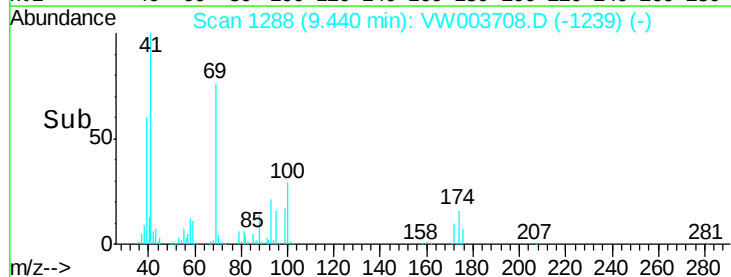
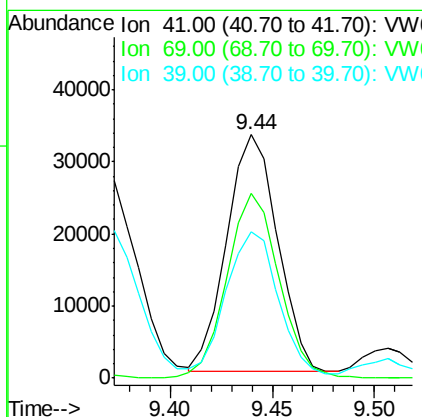
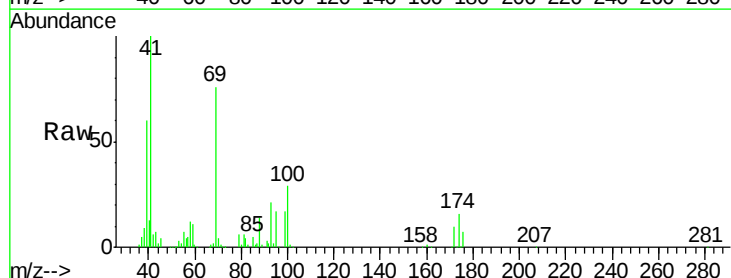
RT: 9.44 min Scan# 1288

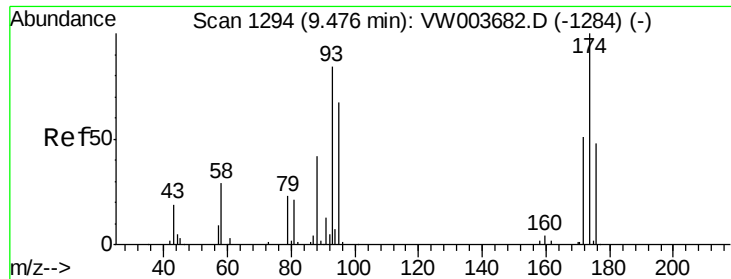
Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Tgt Ion:	41	Resp:	56918
Ion Ratio	Lower	Upper	
41	100		
69	80.0	65.4	98.2
39	64.0	50.0	75.0





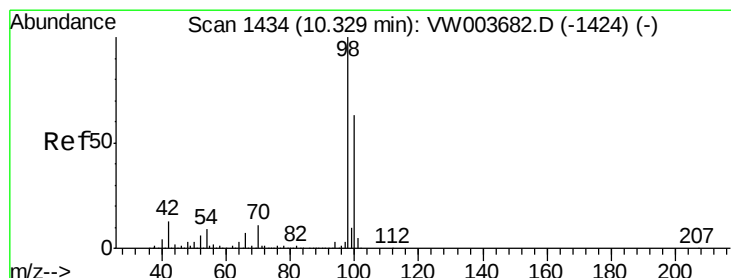
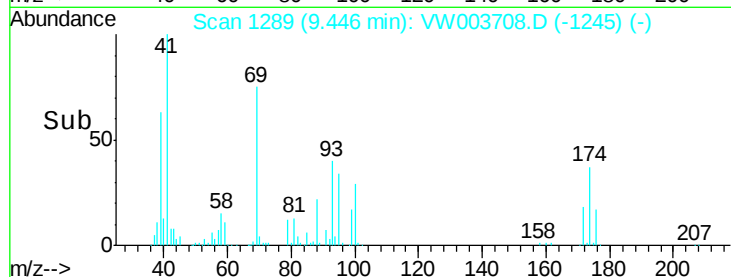
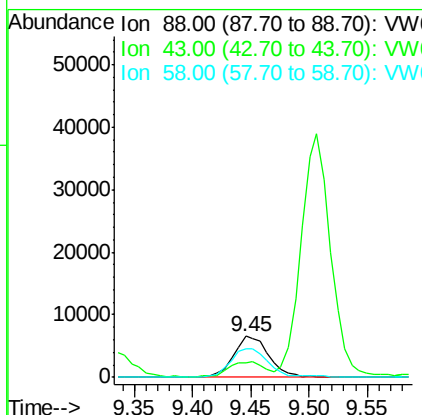
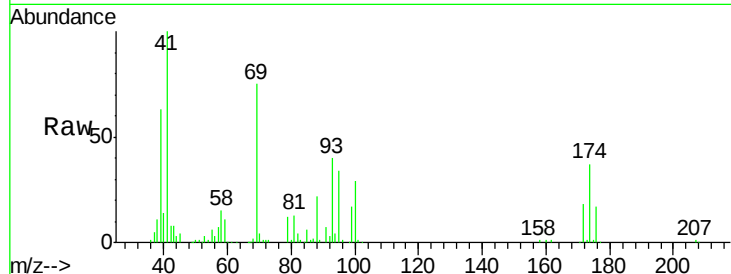
#49
1,4-Dioxane
Concen: 1111.540 ug/l
RT: 9.45 min Scan# 1289
Delta R.T. -0.03 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion: 88 Resp: 13818
Ion Ratio Lower Upper
88 100
43 37.0 0.0 0.0#
58 77.2 61.8 92.6

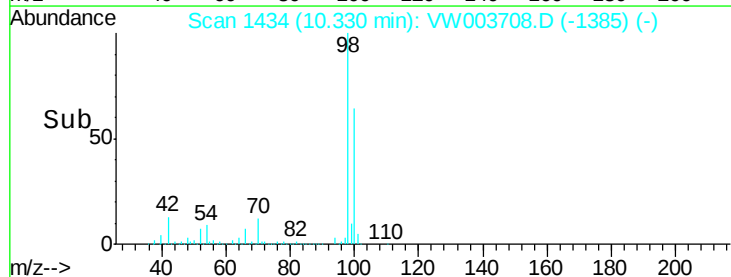
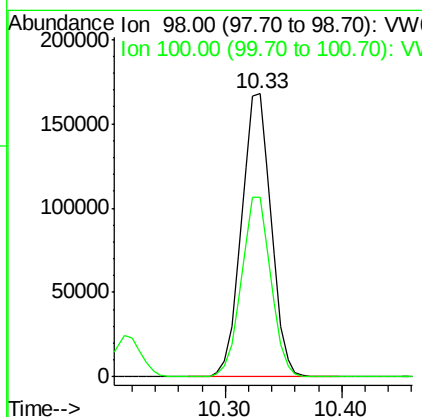
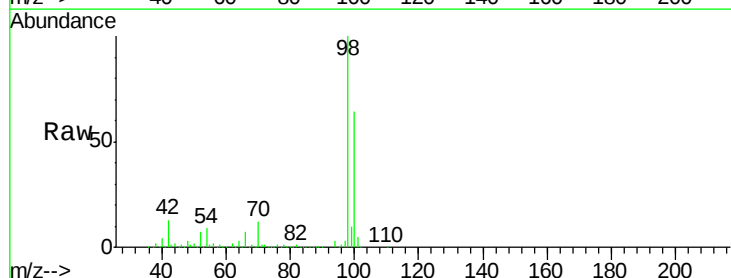
Manual Integrations
APPROVED

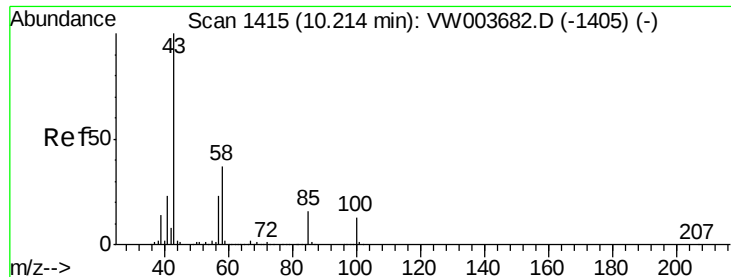
apatel
7/5/2018 11:12:05 AM



#50
Toluene-d8
Concen: 55.805 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion: 98 Resp: 297884
Ion Ratio Lower Upper
98 100
100 63.2 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 304.606 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MS

Tot Ion: 43 Resp: 307952

Ion Ratio Lower Upper

43 100

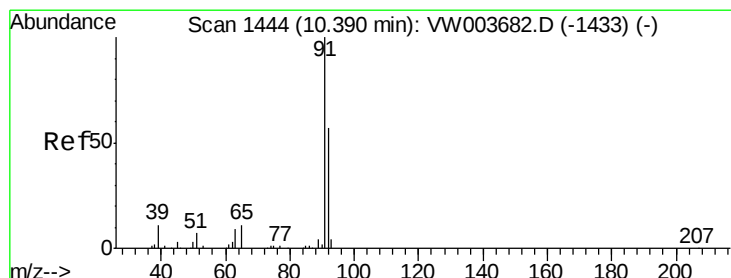
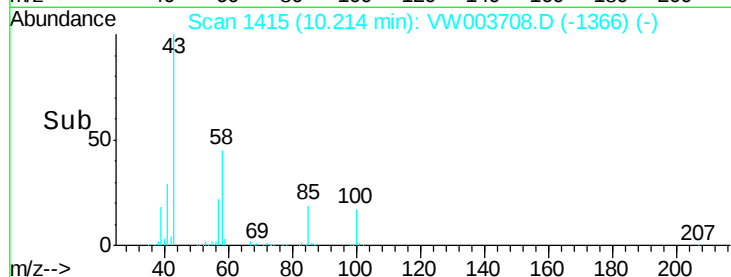
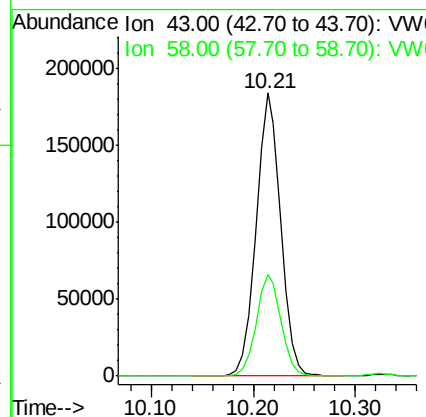
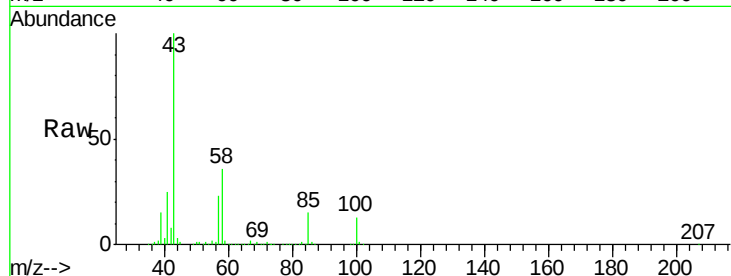
58 36.2 29.6 44.4

Manual Integrations

APPROVED

apatel

7/5/2018 11:12:05 AM



#52

Toluene

Concen: 53.843 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003708.D

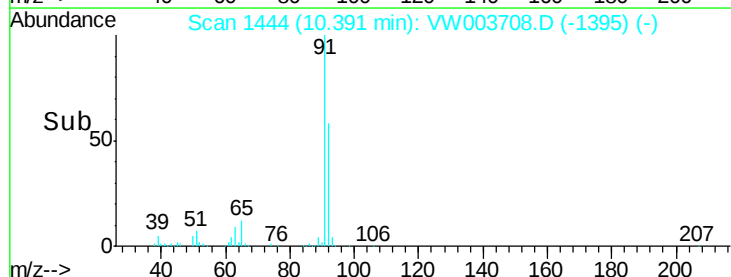
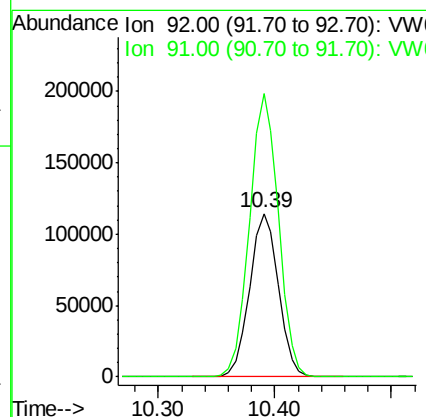
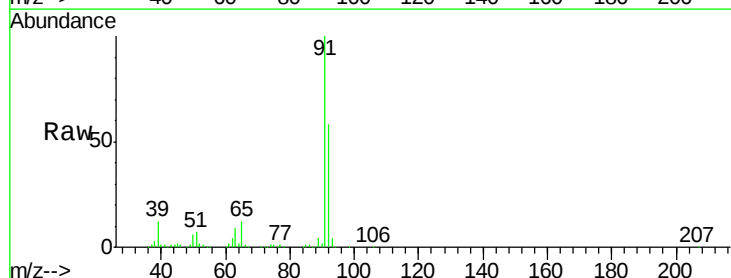
Acq: 03 Jul 2018 19:18

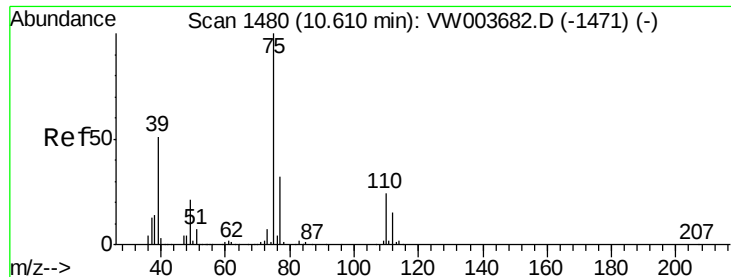
Tgt Ion: 92 Resp: 197647

Ion Ratio Lower Upper

92 100

91 174.0 140.2 210.2





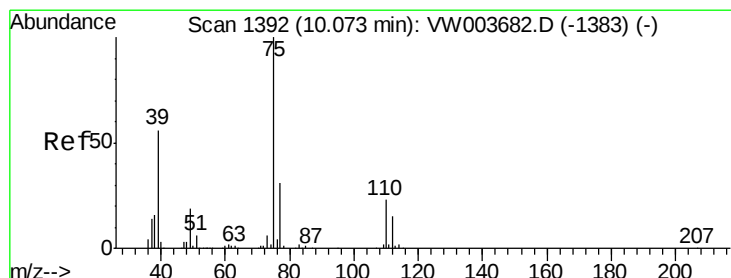
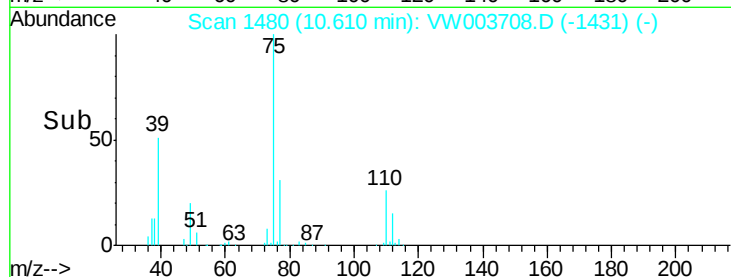
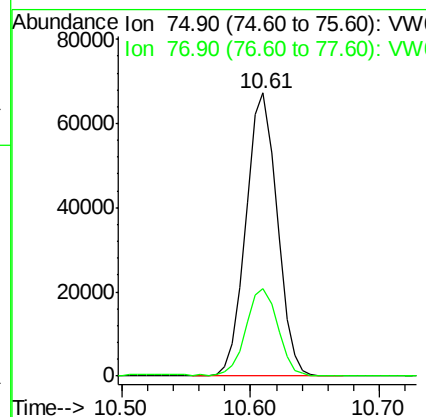
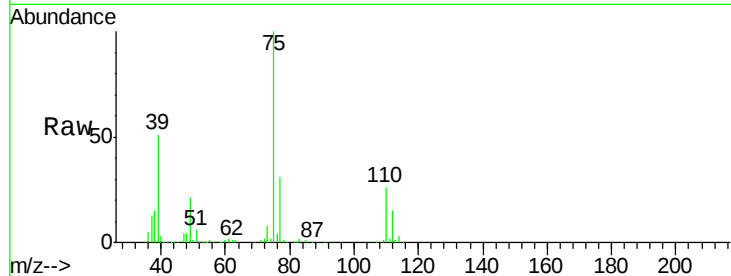
#53
t-1,3-Dichloropropene
Concen: 55.355 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	75	Resp	112499
Ion Ratio	Lower	Upper	
75	100		
77	30.7	25.5	38.3

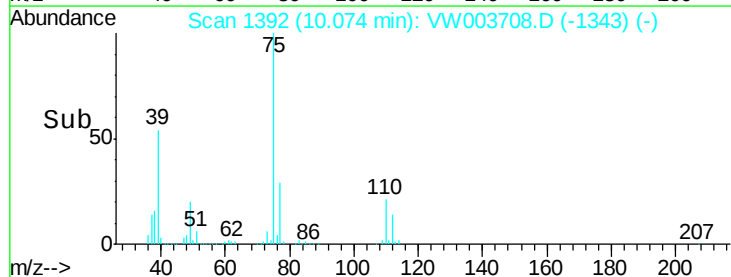
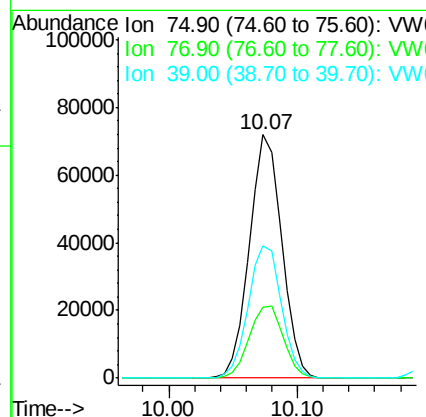
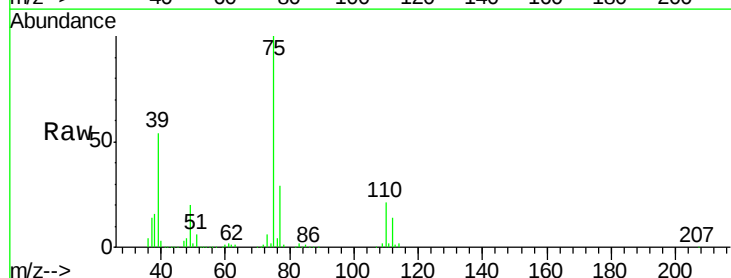
Manual Integrations
APPROVED

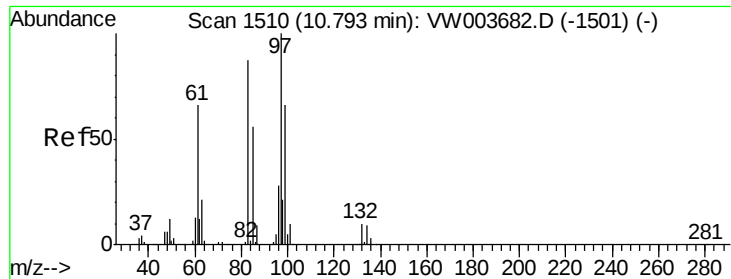
apatel
7/5/2018 11:12:05 AM



#54
cis-1,3-Dichloropropene
Concen: 54.193 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	75	Resp	124865
Ion Ratio	Lower	Upper	
75	100		
77	29.2	24.9	37.3
39	54.3	44.6	67.0





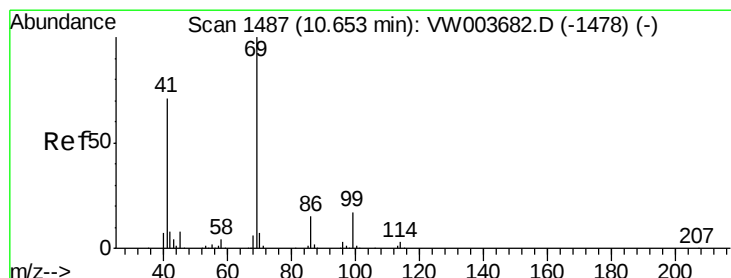
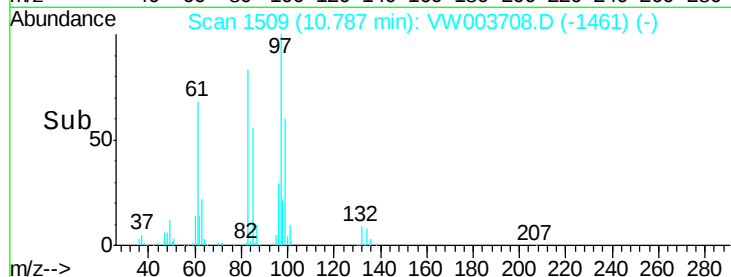
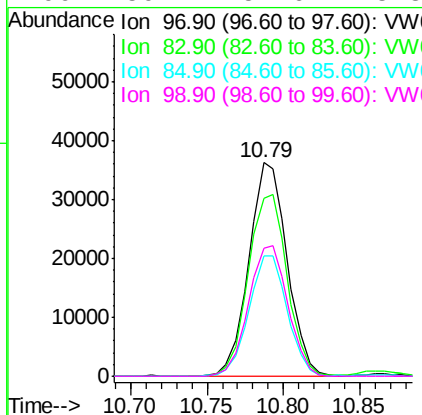
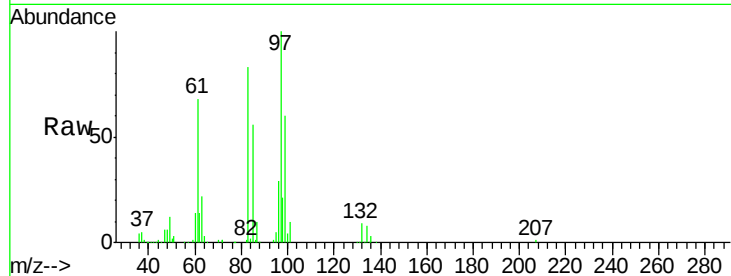
#55
 1,1,2-Trichloroethane
 Concen: 56.326 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9MS

Tot Ion:	97	Resp:	62886
Ion	Ratio	Lower	Upper
97	100		
83	83.2	69.5	104.3
85	56.1	44.7	67.1
99	59.7	52.6	78.8

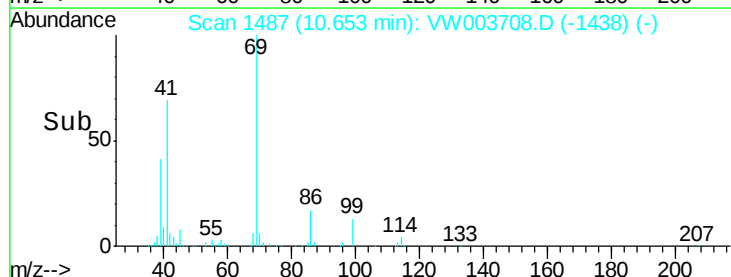
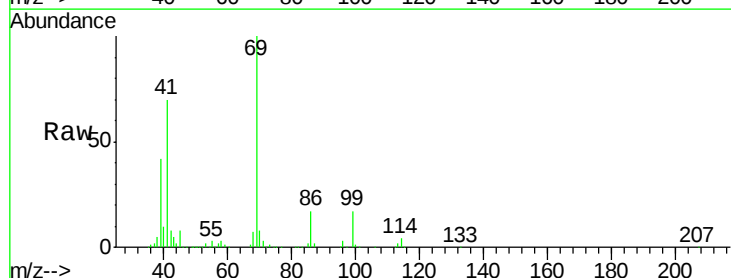
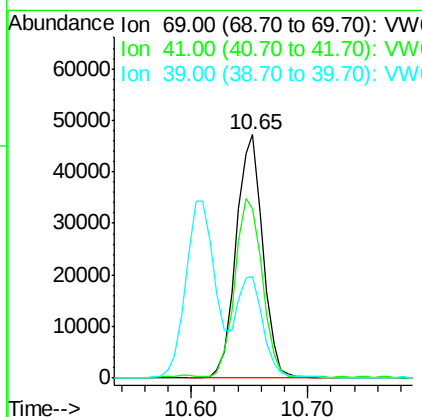
Manual Integrations
 APPROVED

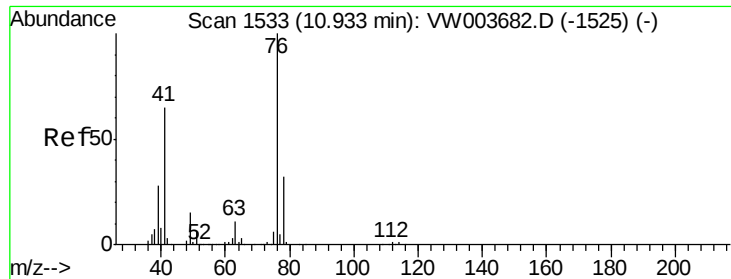
apatel
 7/5/2018 11:12:05 AM



#56
 Ethyl methacrylate
 Concen: 47.703 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion:	69	Resp:	75299
Ion	Ratio	Lower	Upper
69	100		
41	75.4	57.5	86.3
39	43.0	29.4	44.0





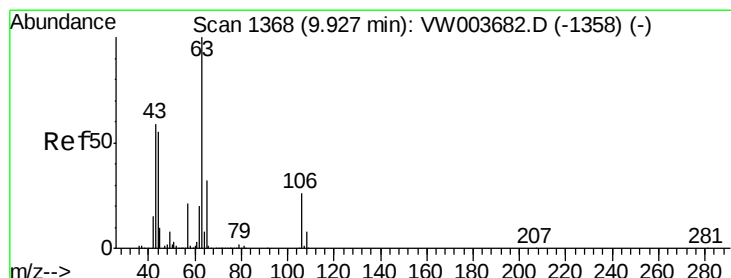
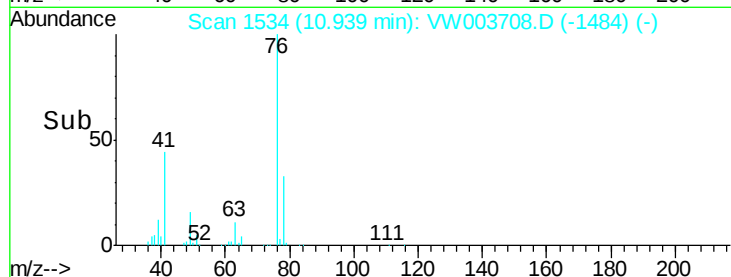
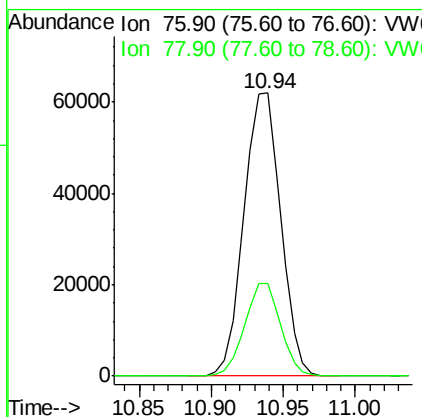
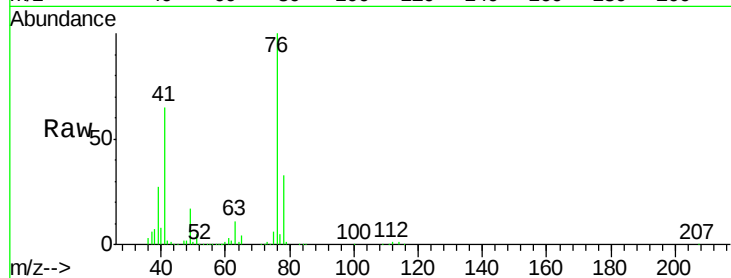
#57
 1,3-Dichloropropane
 Concen: 56.595 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9MS

Tot Ion: 76 Resp: 109765
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

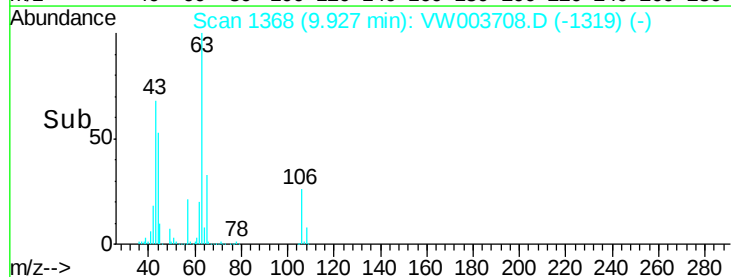
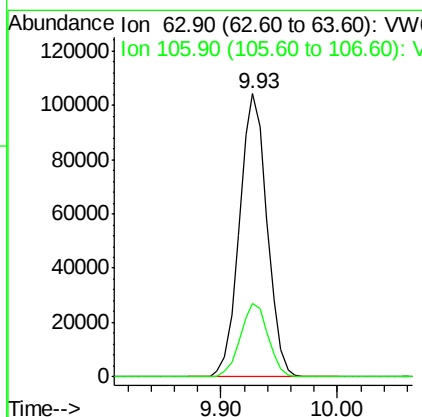
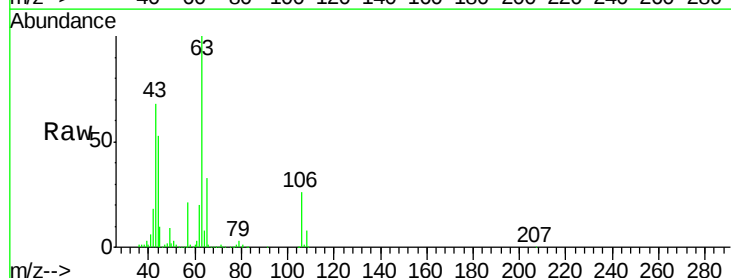
Manual Integrations
 APPROVED

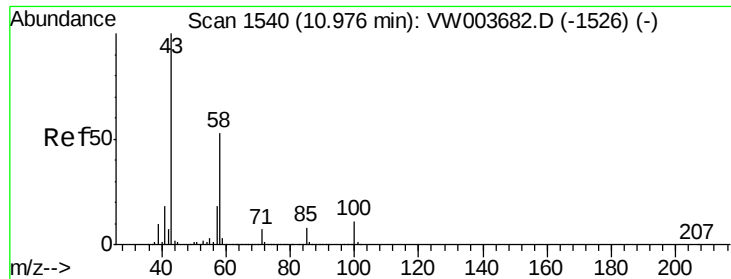
apatel
 7/5/2018 11:12:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 288.154 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion: 63 Resp: 171960
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.7 31.1





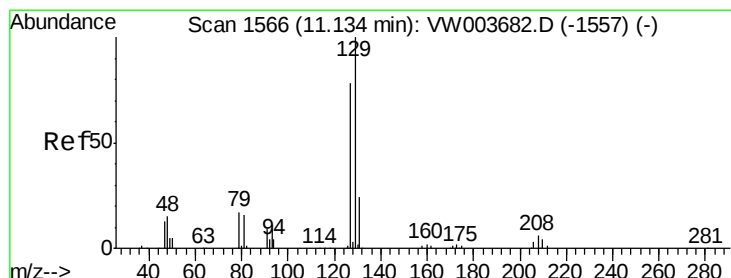
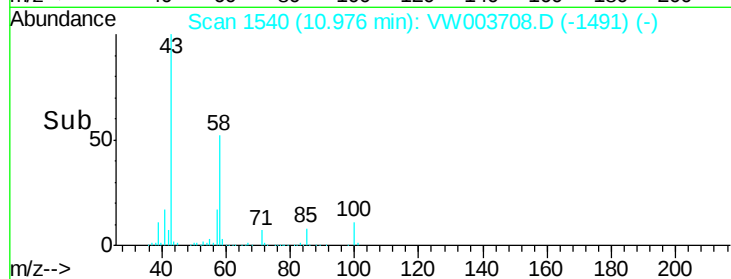
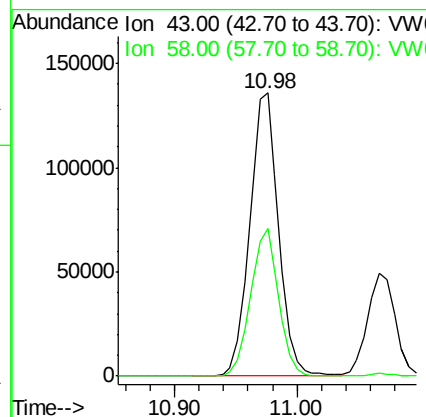
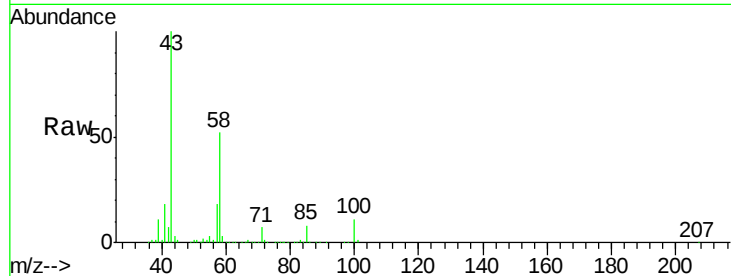
#59
2-Hexanone
Concen: 305.804 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MS

Tot Ion	43	Resp	221001
Ion Ratio	100	Lower	Upper
43	100		
58	50.8	25.9	77.6

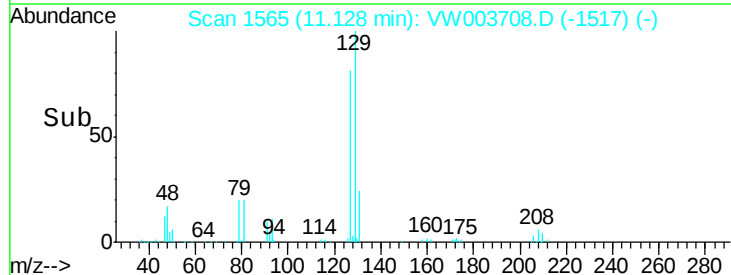
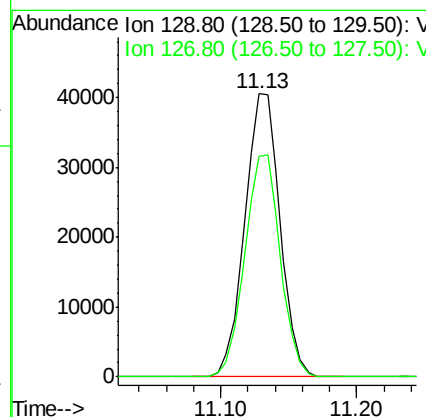
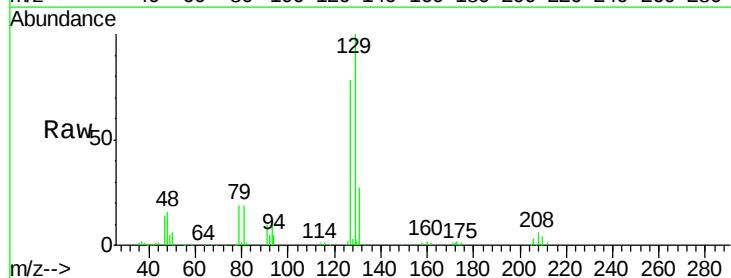
Manual Integrations
APPROVED

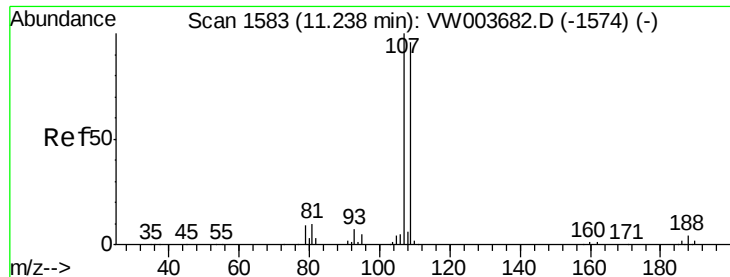
apatel
7/5/2018 11:12:05 AM



#60
Dibromochloromethane
Concen: 56.318 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	129	Resp	73505	
Ion Ratio	129	100	Lower	Upper
129	100			
127	78.8	39.1	117.2	





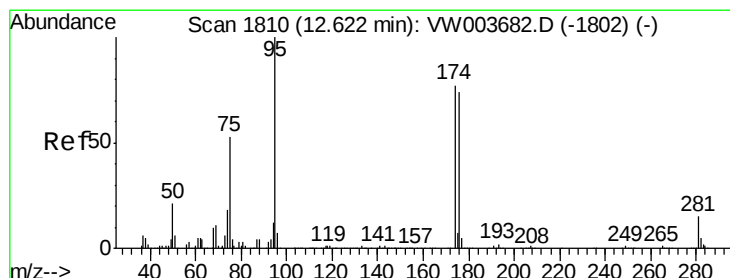
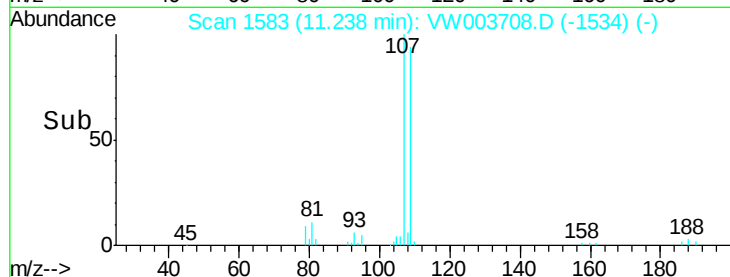
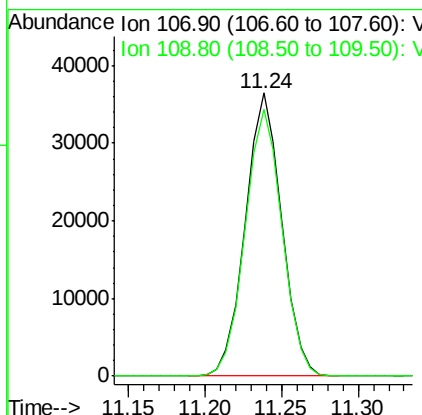
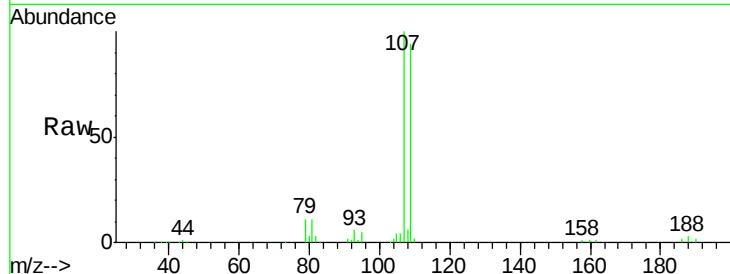
#61
 1,2-Dibromoethane
 Concen: 56.347 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.6	113.4

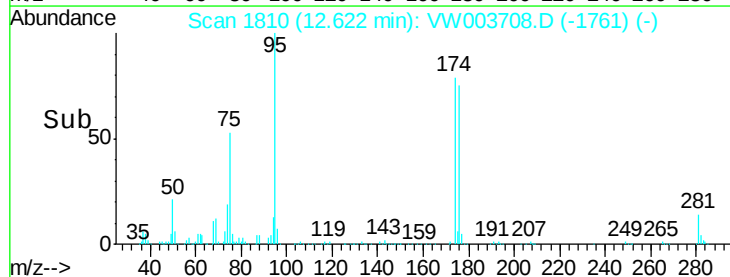
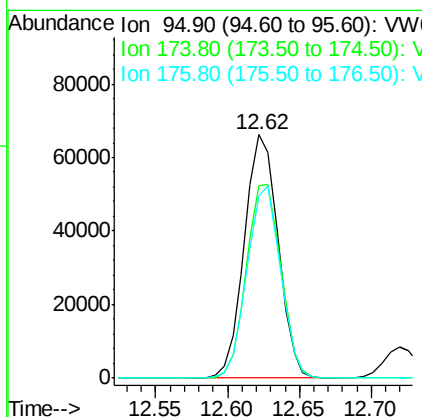
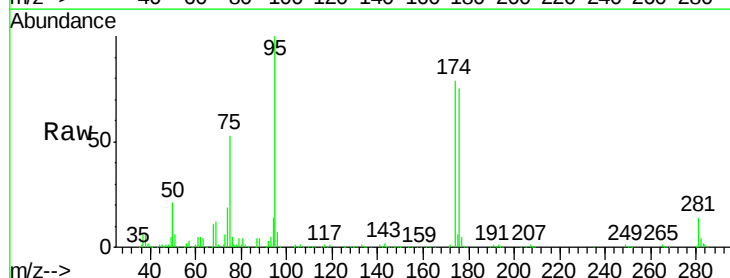
Manual Integrations
 APPROVED

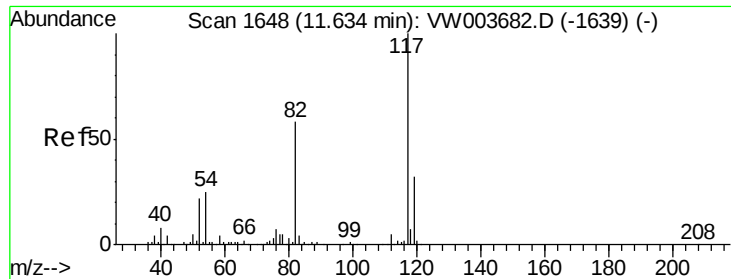
apatel
 7/5/2018 11:12:05 AM



#62
 4-Bromofluorobenzene
 Concen: 55.807 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.4	0.0	161.2
176	78.5	0.0	155.0





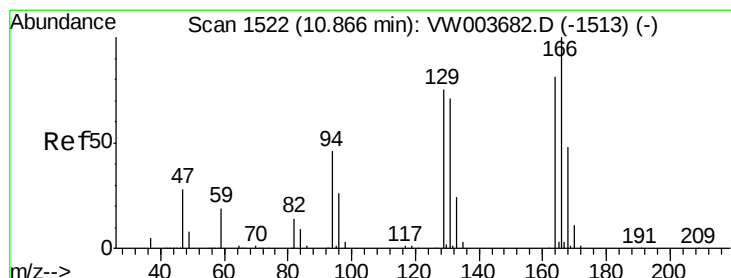
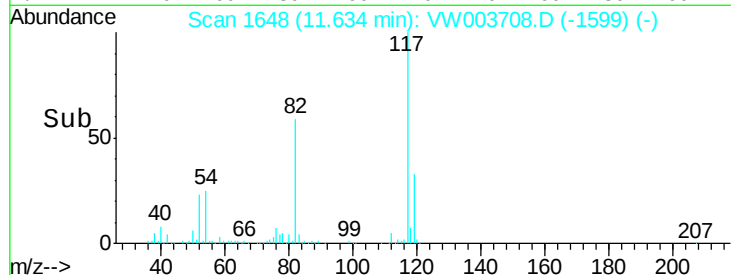
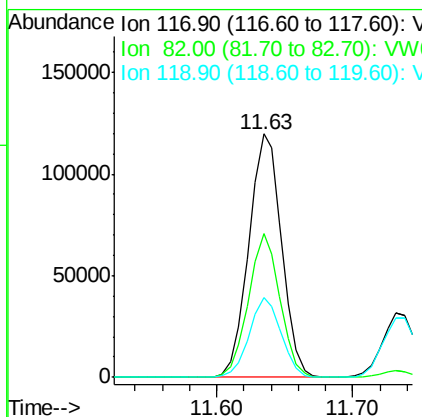
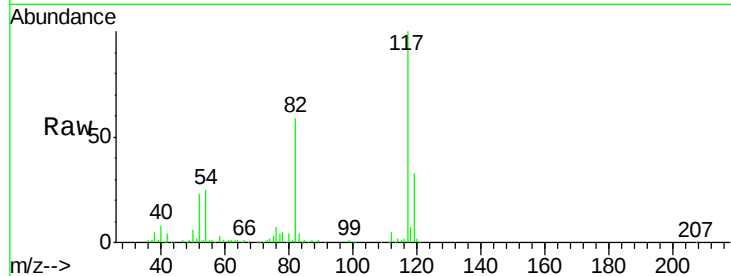
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	201394		
82	58.9	46.0	69.0	
119	32.9	25.4	38.0	

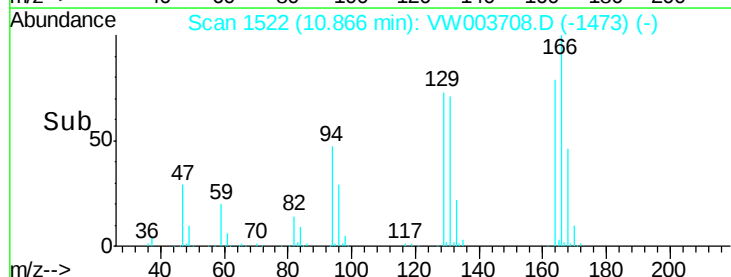
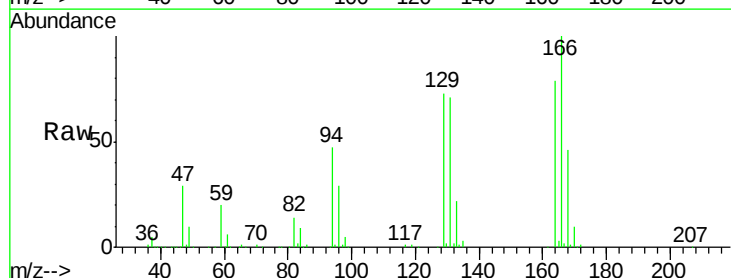
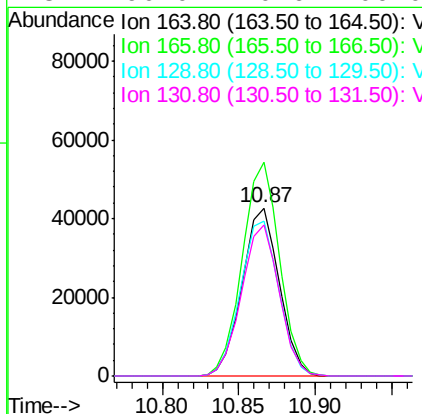
Manual Integrations
APPROVED

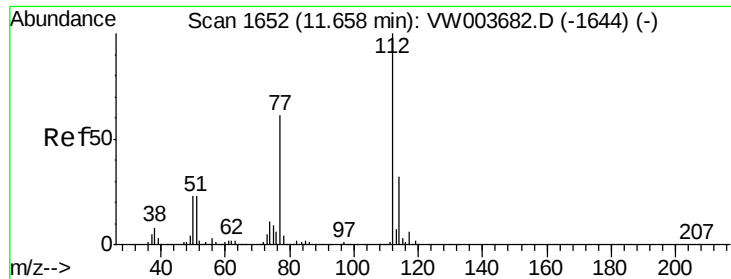
apatel
7/5/2018 11:12:05 AM



#64
Tetrachloroethene
Concen: 53.155 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72354		
166	127.3	99.0	148.4	
129	92.5	73.8	110.6	
131	90.0	70.6	106.0	





#65

Chlorobenzene

Concen: 50.596 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MS

Tot Ion:112 Resp: 214228

Ion Ratio Lower Upper

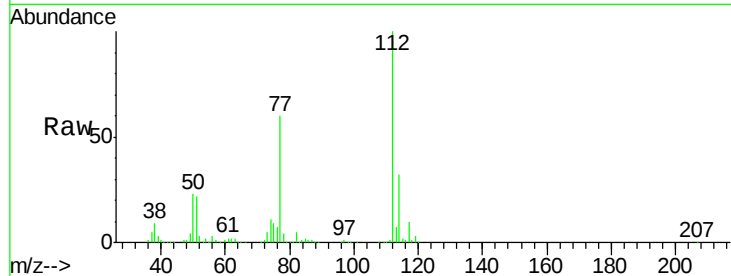
112 100

114 32.5 25.8 38.8

Manual Integrations
APPROVED

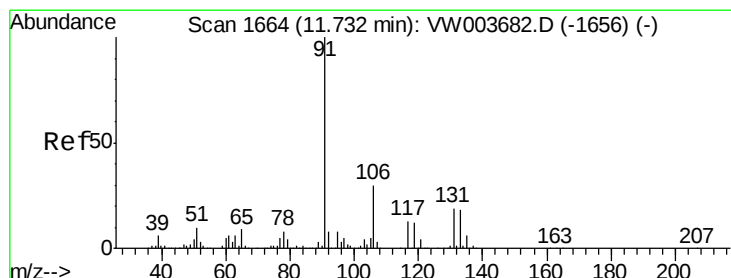
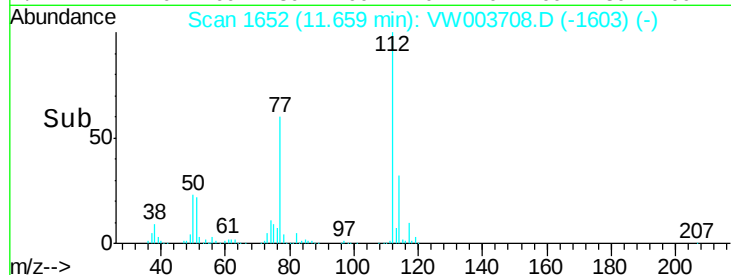
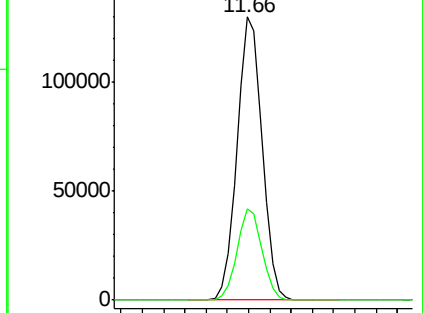
apatel

7/5/2018 11:12:05 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.068 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

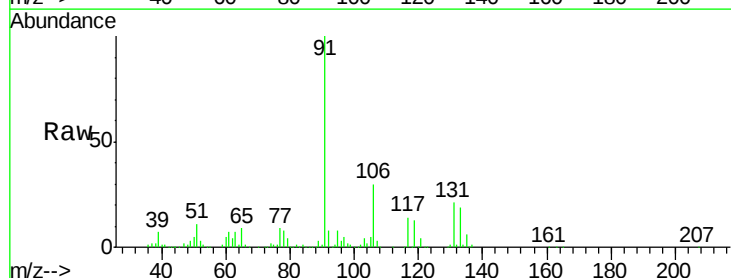
Tgt Ion:131 Resp: 80005

Ion Ratio Lower Upper

131 100

133 94.6 47.6 142.8

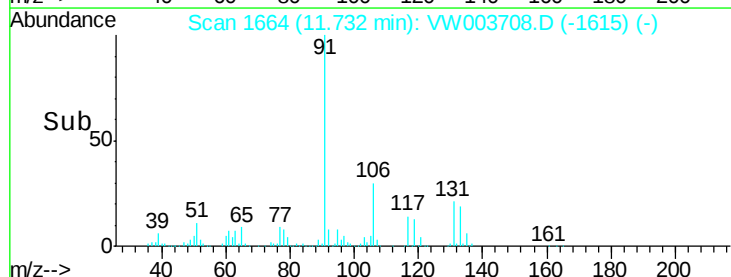
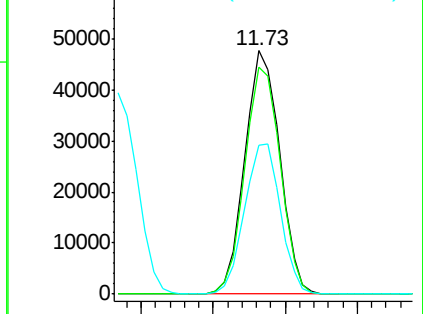
119 63.4 31.9 95.9

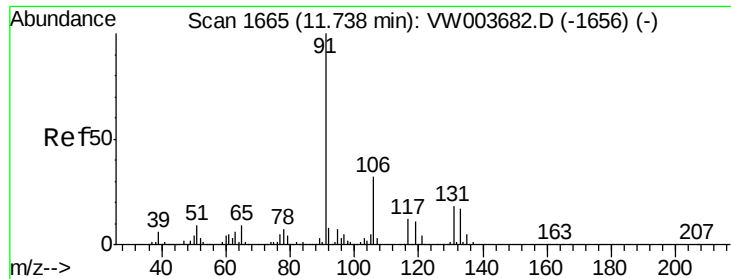


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





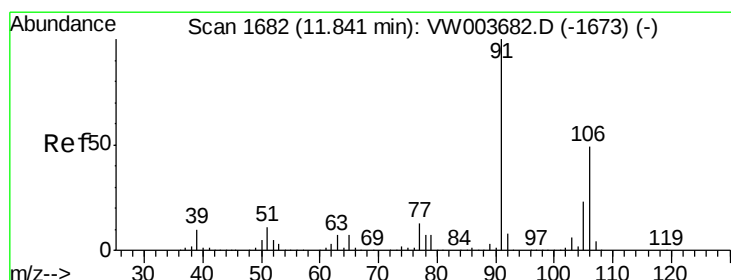
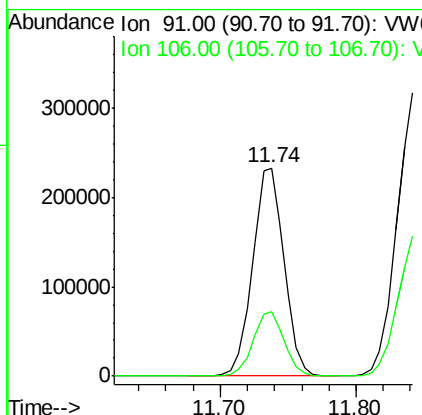
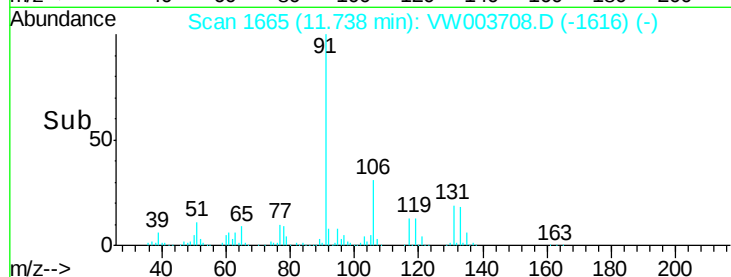
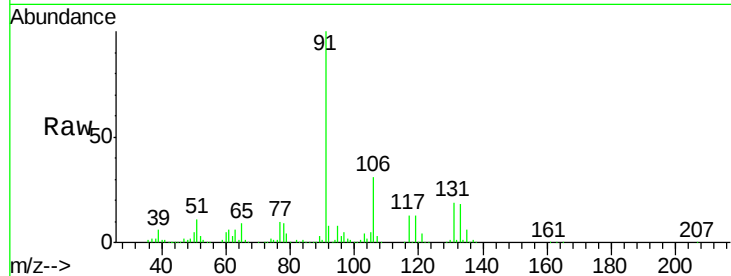
#67
Ethyl Benzene
Concen: 50.753 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion: 91 Resp: 376523
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8

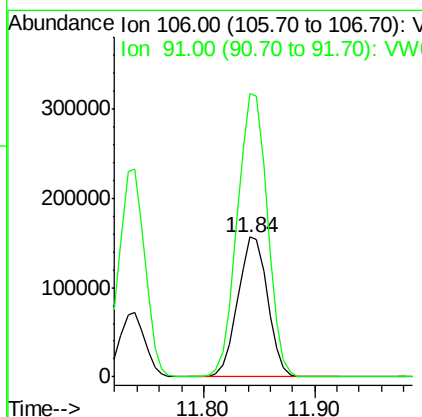
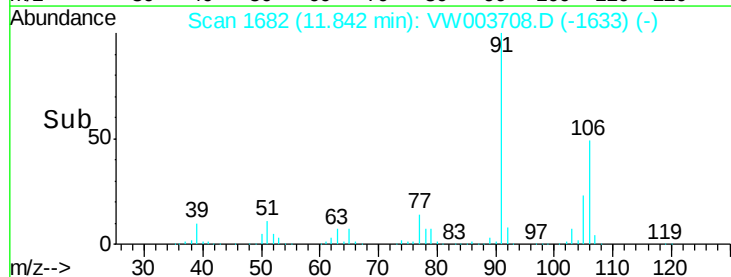
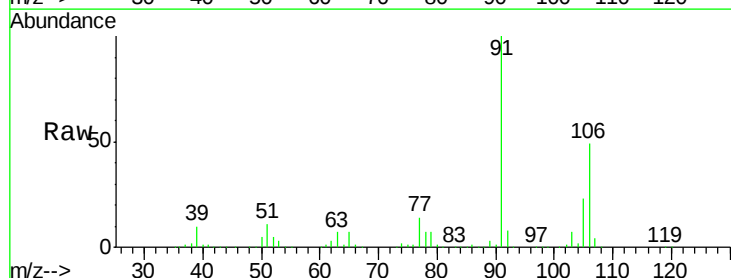
Manual Integrations
APPROVED

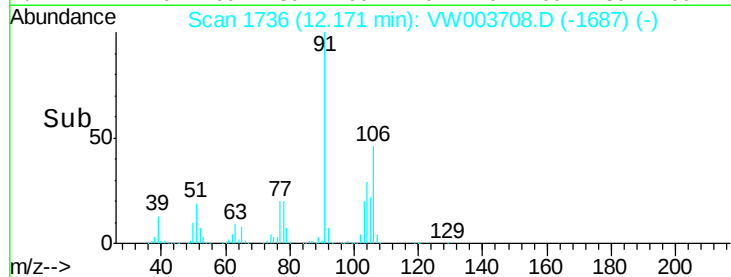
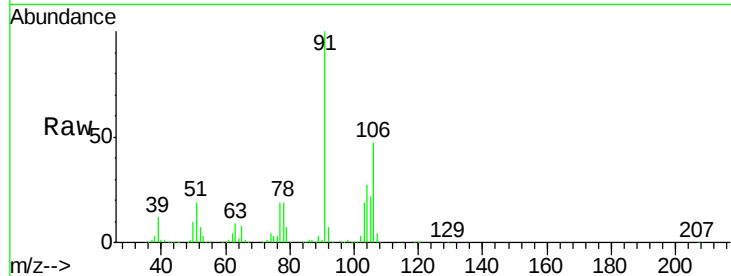
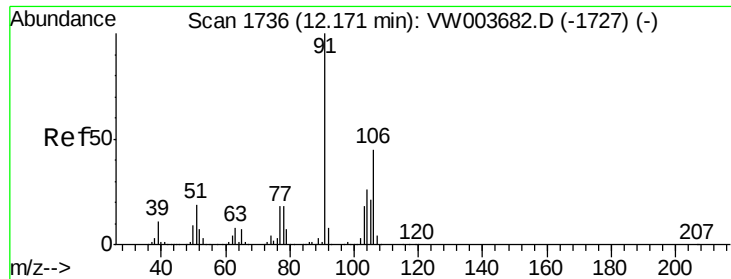
apatel
7/5/2018 11:12:05 AM



#68
m/p-Xylenes
Concen: 102.834 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion: 106 Resp: 290109
Ion Ratio Lower Upper
106 100
91 205.0 163.7 245.5





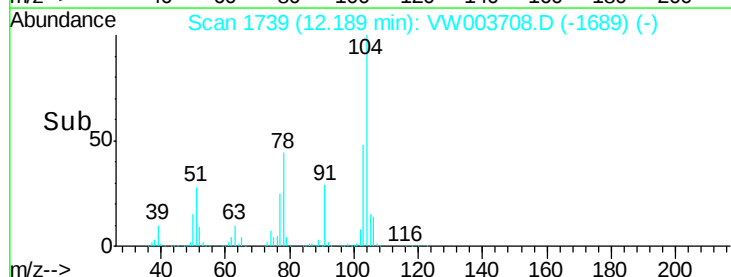
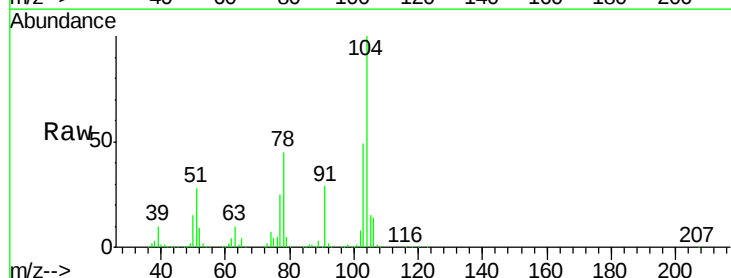
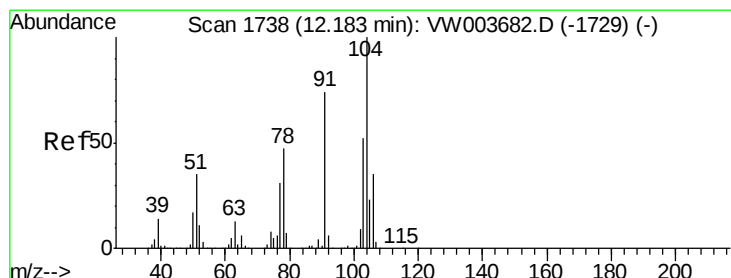
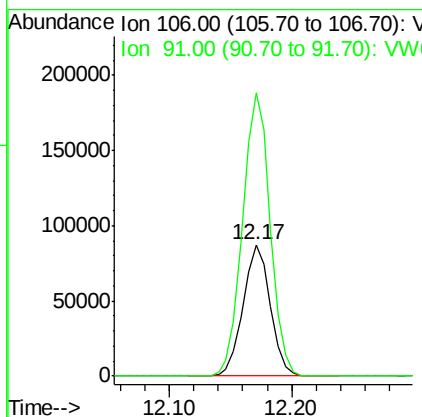
#69
o-Xylene
Concen: 51.725 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tot Ion	Ratio	Resp	Lower	Upper
106	100	134899		
91	218.1	109.3	327.8	

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

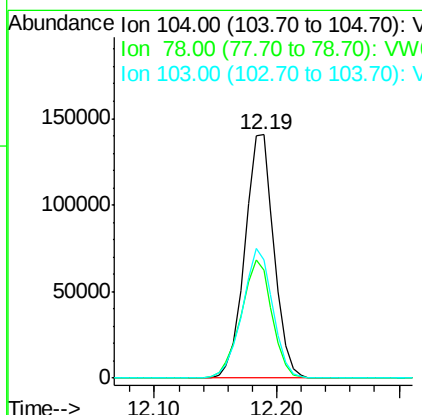
Manual Integrations
APPROVED

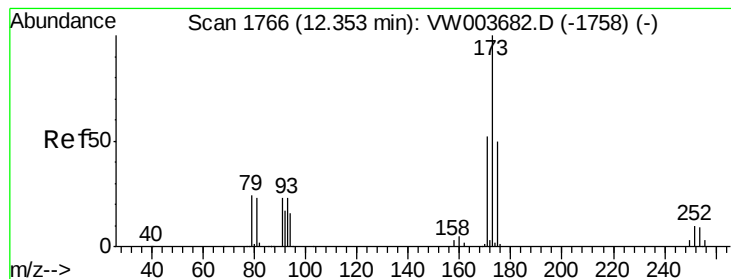
apatel
7/5/2018 11:12:05 AM



#70
Styrene
Concen: 53.057 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	232409		
78	51.8	40.2	60.4	
103	55.6	44.4	66.6	





#71

Bromoform

Concen: 55.918 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MS

Tot Ion:173 Resp: 45976

Ion Ratio Lower Upper

173 100

175 49.6 24.5 73.5

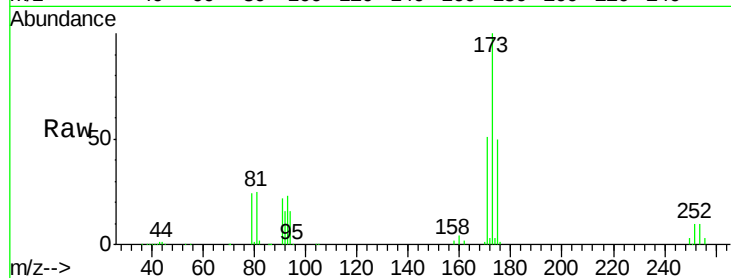
254 0.0 0.2 0.2#

Manual Integrations

APPROVED

apatel

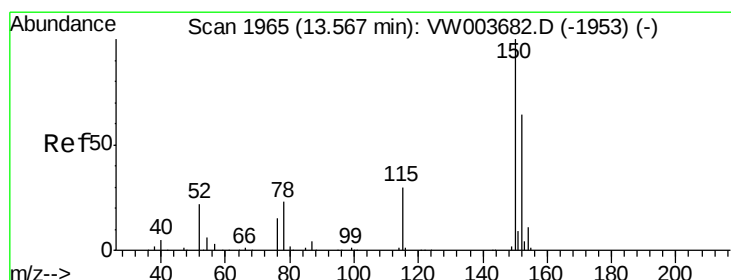
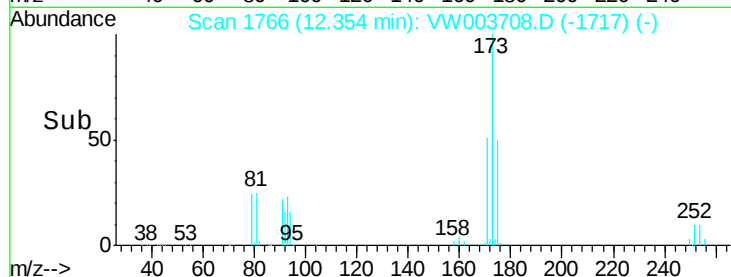
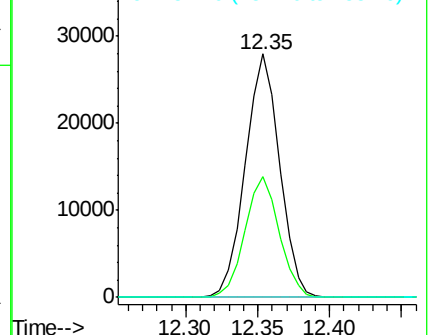
7/5/2018 11:12:05 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

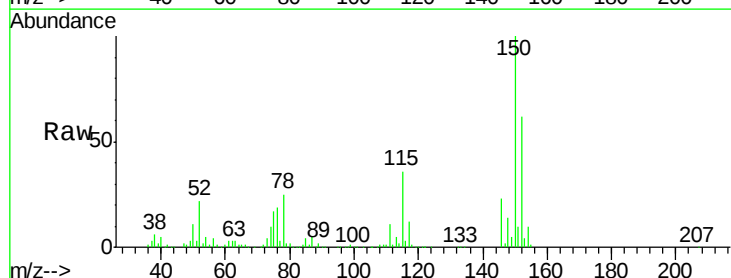
Tgt Ion:152 Resp: 110037

Ion Ratio Lower Upper

152 100

115 58.5 29.3 88.0

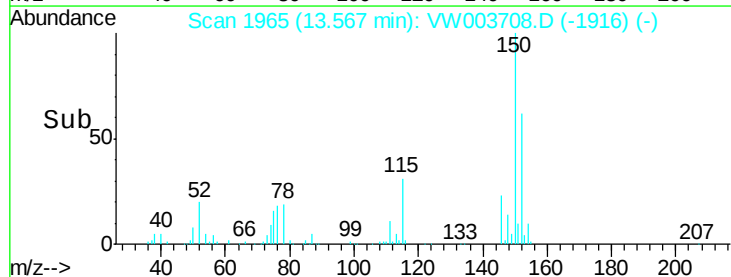
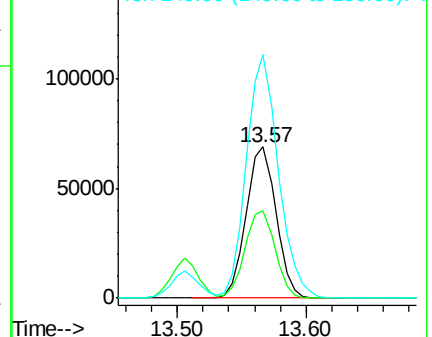
150 172.9 0.0 352.0

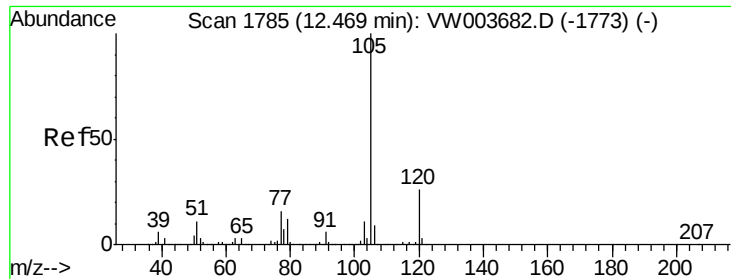


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





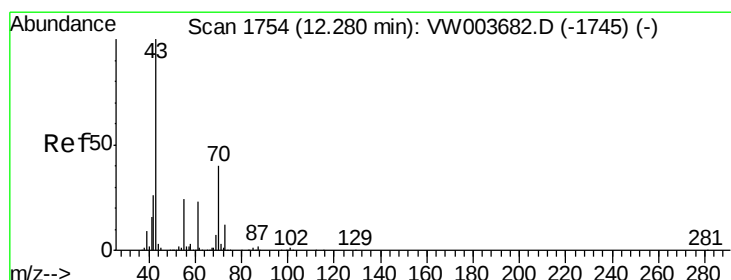
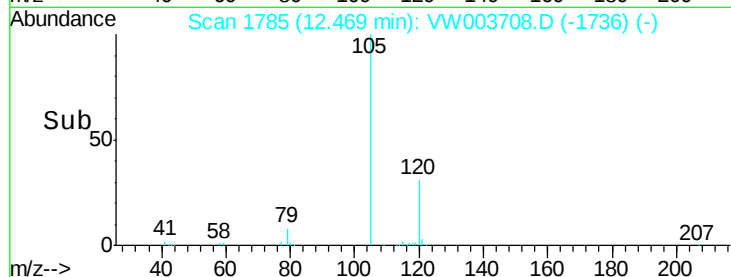
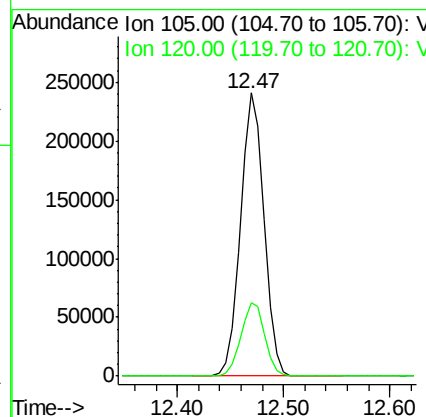
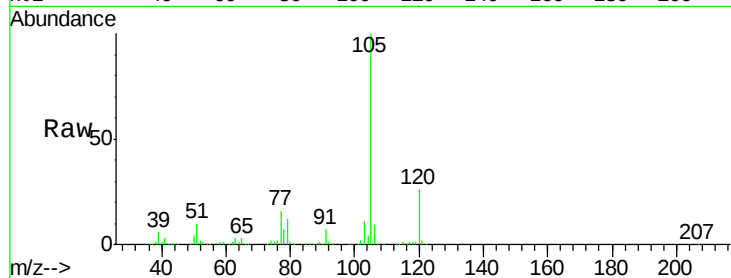
#73
Isopropylbenzene
Concen: 49.768 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.1	39.3

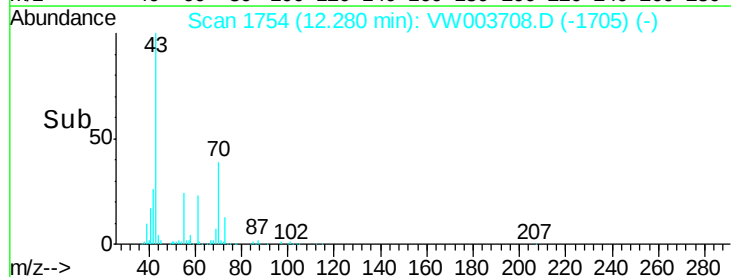
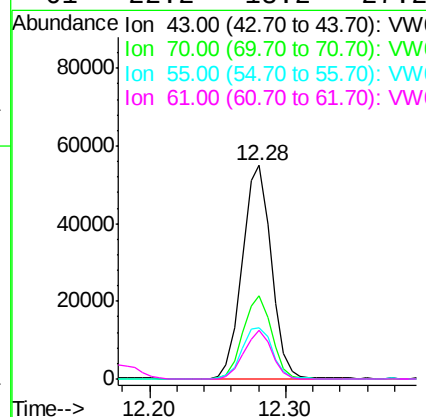
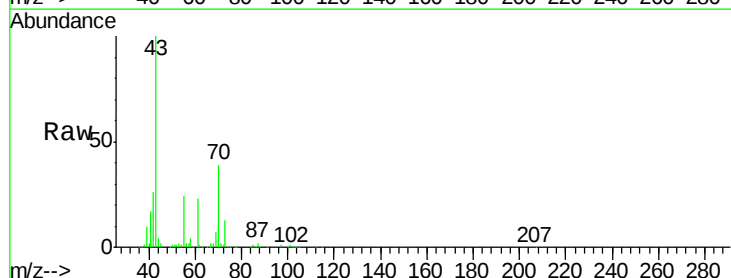
Manual Integrations
APPROVED

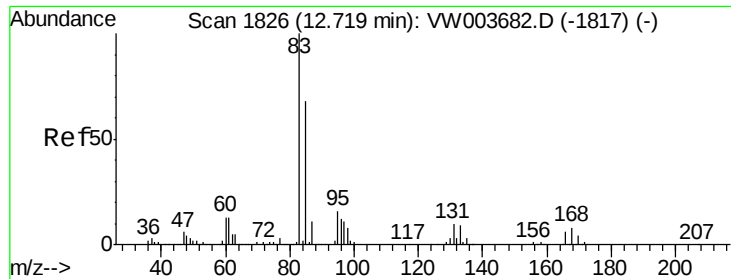
apatel
7/5/2018 11:12:05 AM



#74
N-ethyl acetate
Concen: 41.410 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.3	46.9
55	25.7	20.1	30.1
61	22.2	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 54.317 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

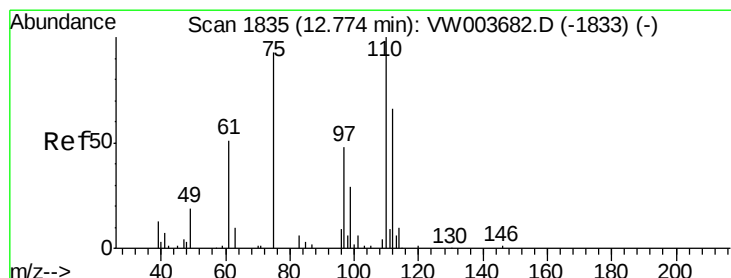
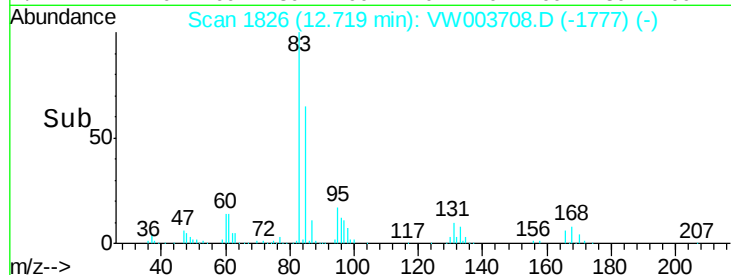
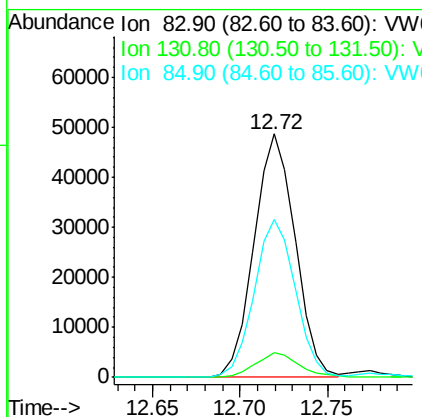
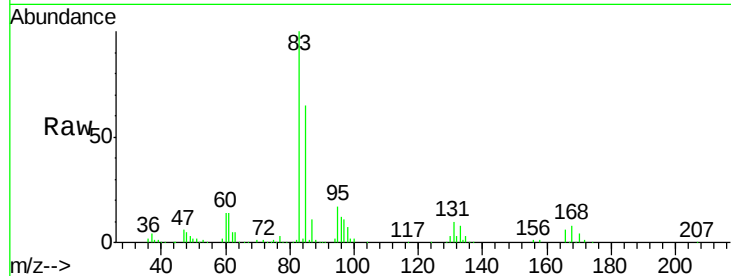
ClientSampled :

GF-G-9MS

Tot Ion:	83	Resp:	79523
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	65.0	31.9	95.9

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#76

1,2,3-Trichloropropane

Concen: 55.588 ug/l m

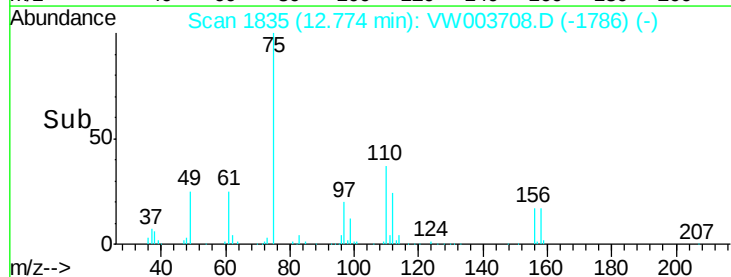
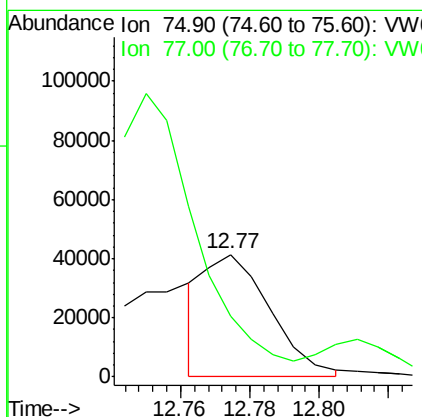
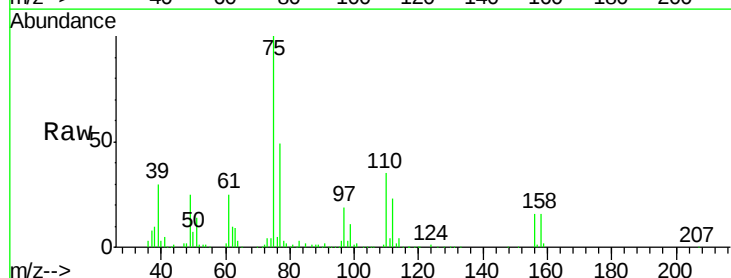
RT: 12.77 min Scan# 1835

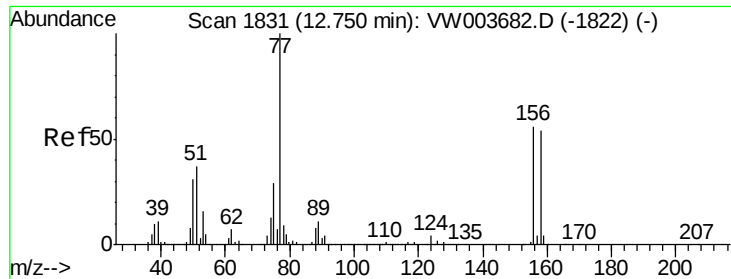
Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Tgt Ion:	75	Resp:	54998
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





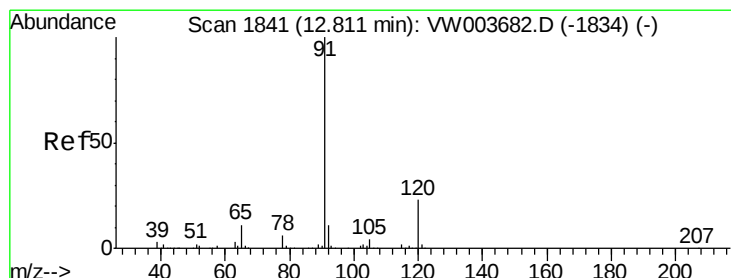
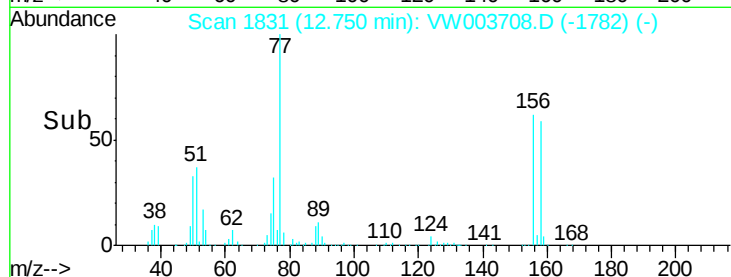
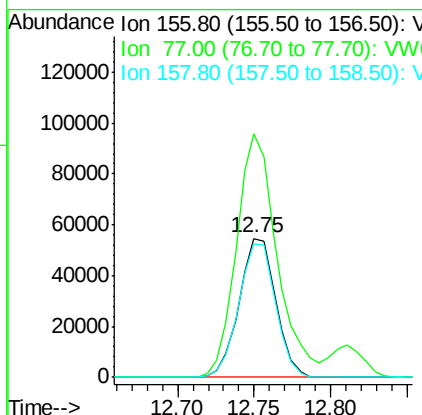
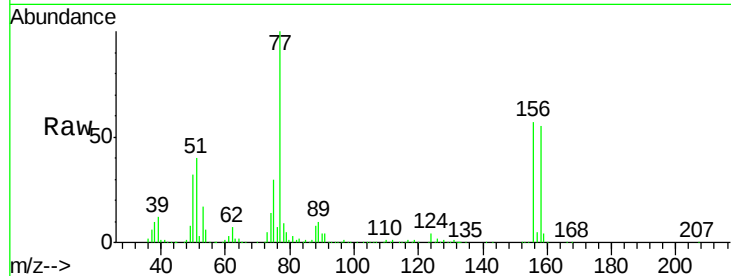
#77
Bromobenzene
Concen: 50.437 ug/l
RT: 12.75 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	194.5	95.8	287.4
158	97.1	48.2	144.6

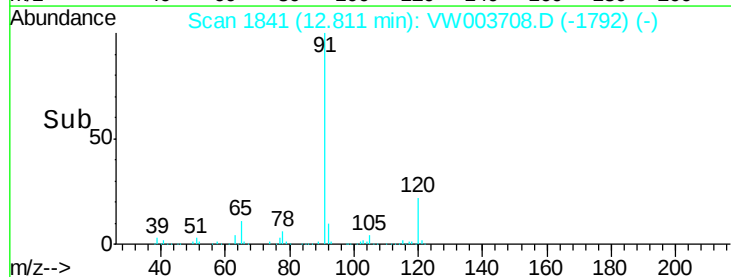
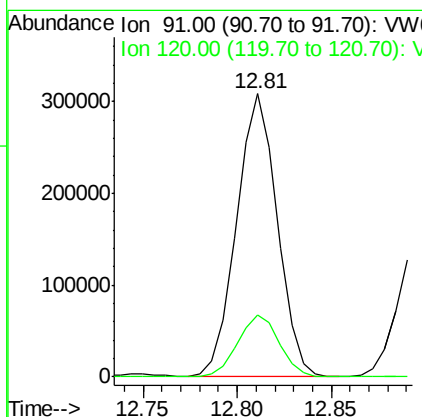
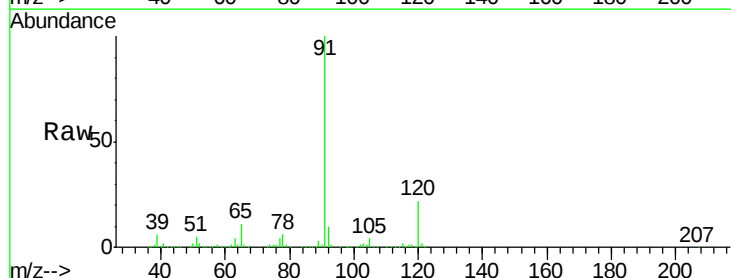
Manual Integrations
APPROVED

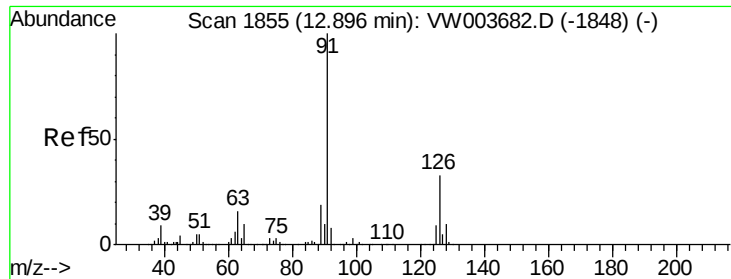
apatel
7/5/2018 11:12:05 AM



#78
n-propylbenzene
Concen: 49.769 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.1





#79

2-Chlorotoluene

Concen: 49.394 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampleId :

GF-G-9MS

Tot Ion: 91 Resp: 259902

Ion Ratio Lower Upper

91 100

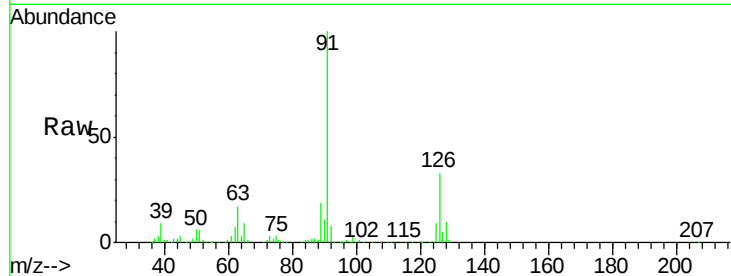
126 33.8 16.4 49.4

Manual Integrations

APPROVED

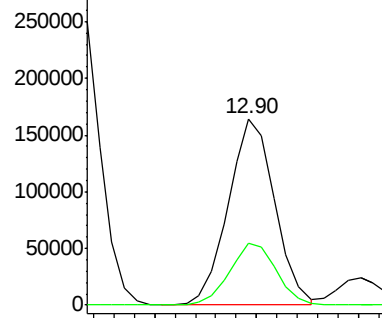
apatel

7/5/2018 11:12:05 AM

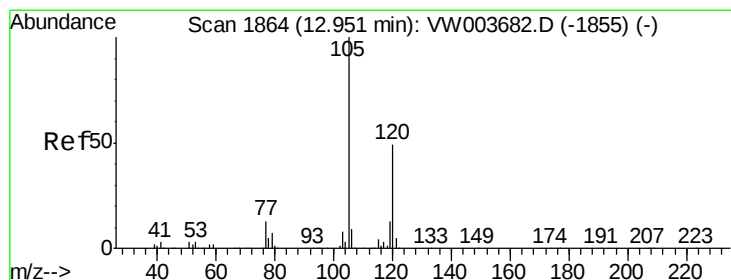
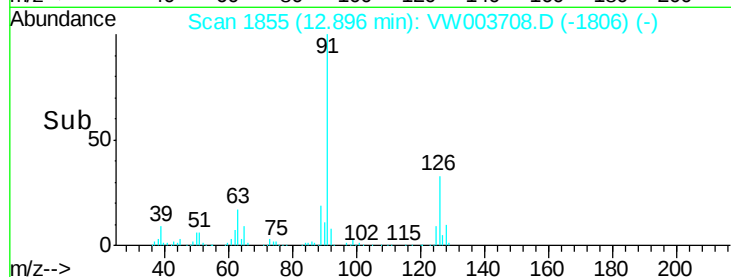


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.641 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003708.D

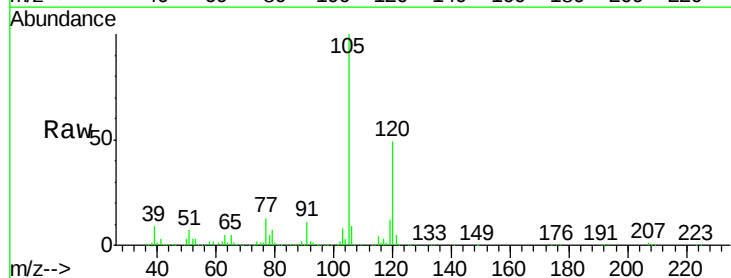
Acq: 03 Jul 2018 19:18

Tgt Ion:105 Resp: 320658

Ion Ratio Lower Upper

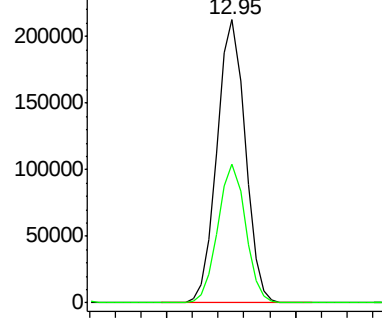
105 100

120 48.4 24.3 72.8

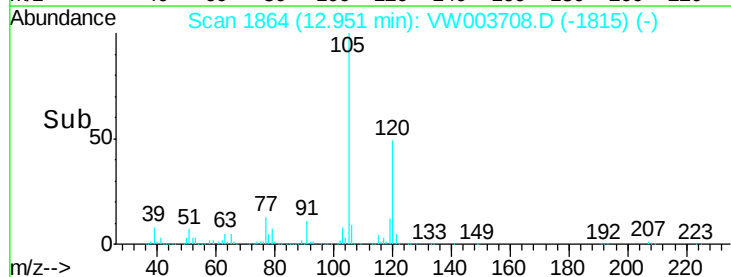


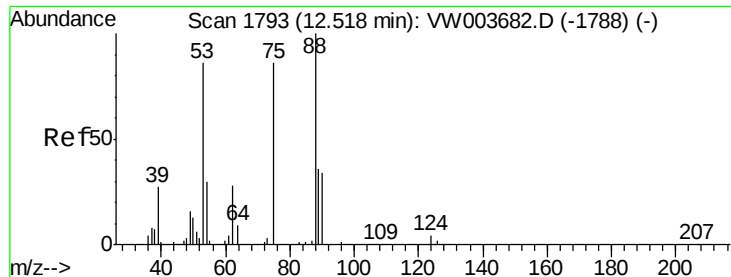
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





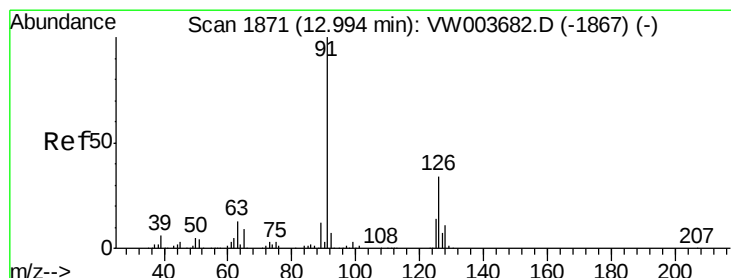
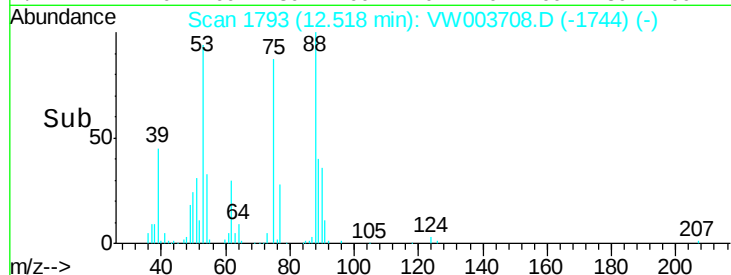
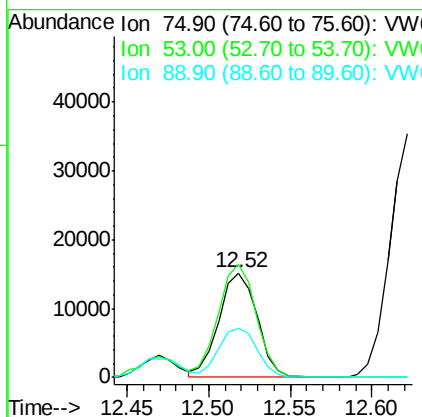
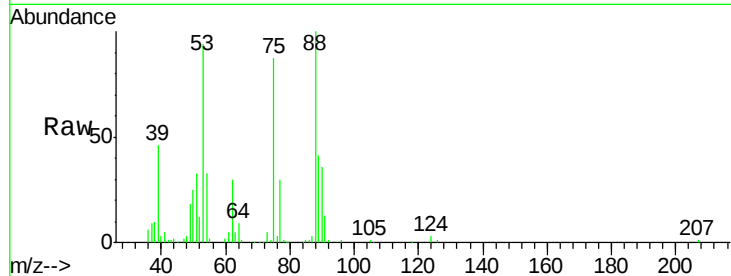
#81
trans-1,4-Dichloro-2-butene
Concen: 53.201 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.2	82.4	123.6
89	47.0	35.9	53.9

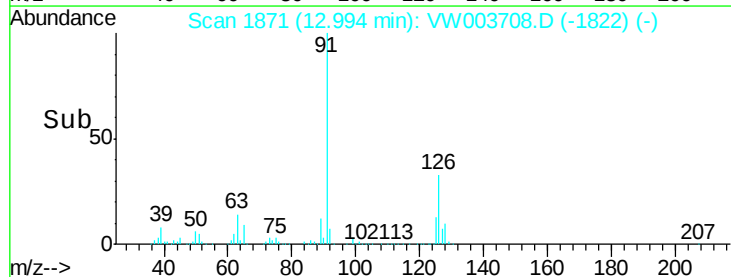
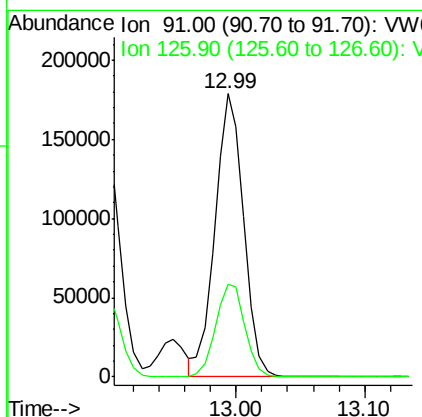
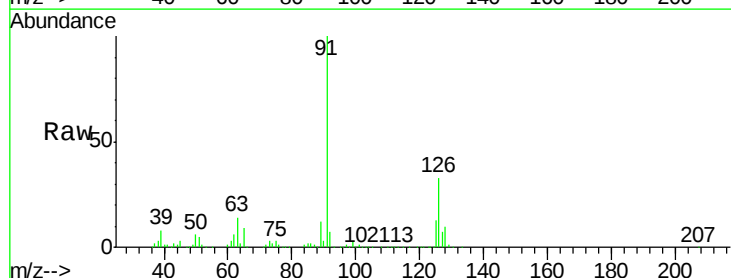
Manual Integrations
APPROVED

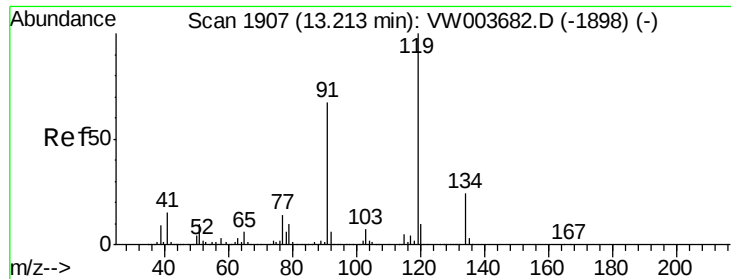
apatel
7/5/2018 11:12:05 AM



#82
4-Chlorotoluene
Concen: 49.755 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.0	50.9





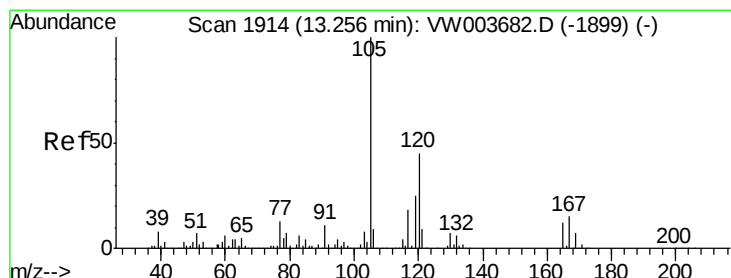
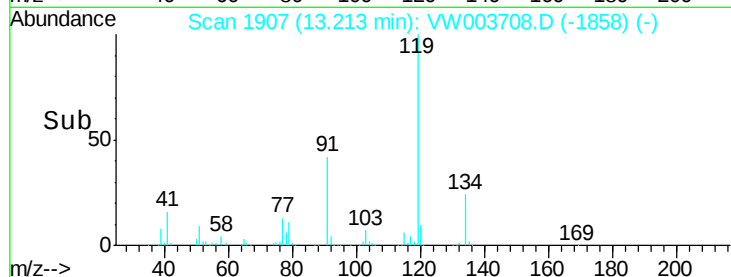
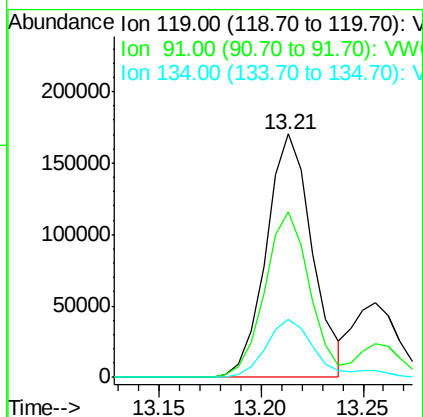
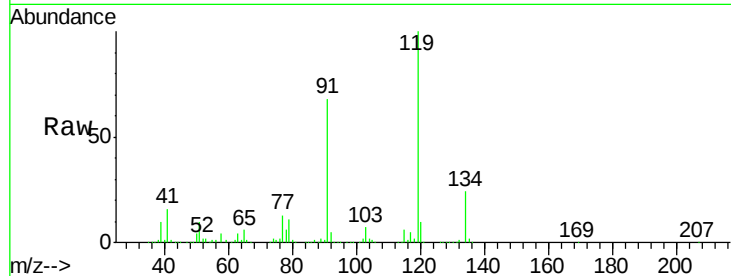
#83
tert-Butylbenzene
Concen: 49.985 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	266985		
91	66.5		33.8	101.3
134	24.2		13.1	39.1

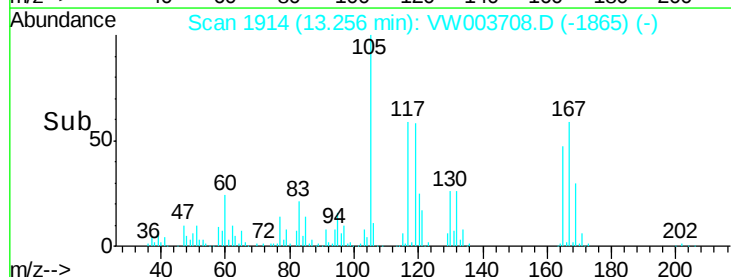
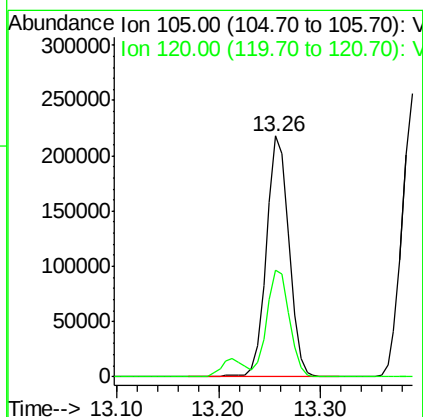
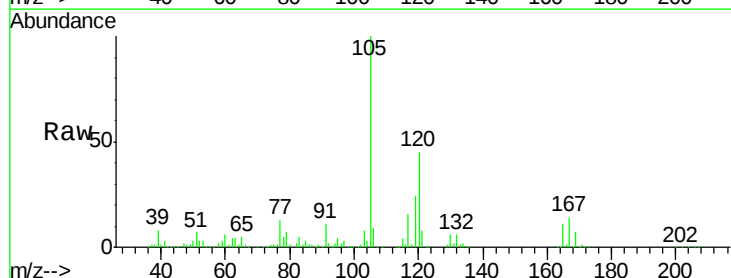
Manual Integrations
APPROVED

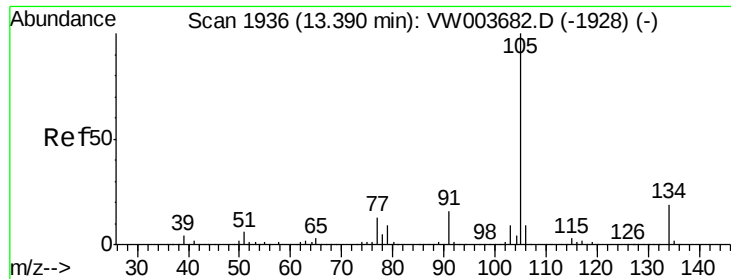
apatel
7/5/2018 11:12:05 AM



#84
1,2,4-Trimethylbenzene
Concen: 51.303 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334431		
120	44.1		22.4	67.3





#85

sec-Butylbenzene

Concen: 49.151 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Instrument :

MSVOA_W

ClientSampled :

GF-G-9MS

Tot Ion:105 Resp: 390653

Ion Ratio Lower Upper

105 100

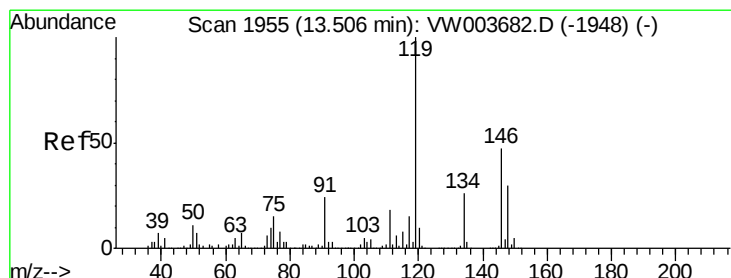
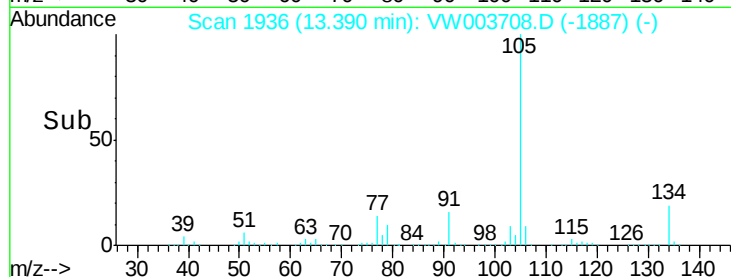
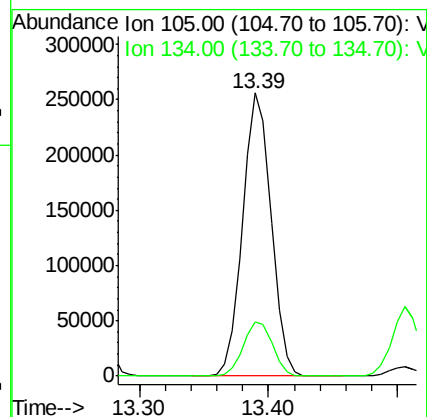
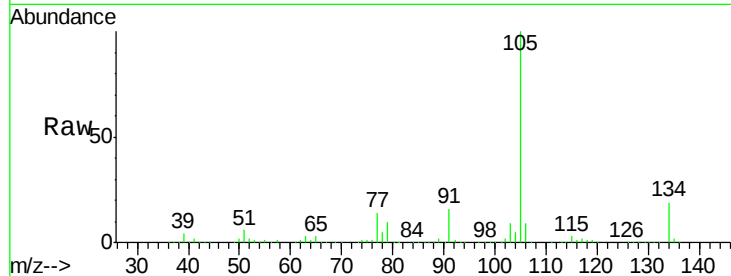
134 19.6 9.8 29.4

Manual Integrations

APPROVED

apatel

7/5/2018 11:12:05 AM



#86

p-Isopropyltoluene

Concen: 49.498 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

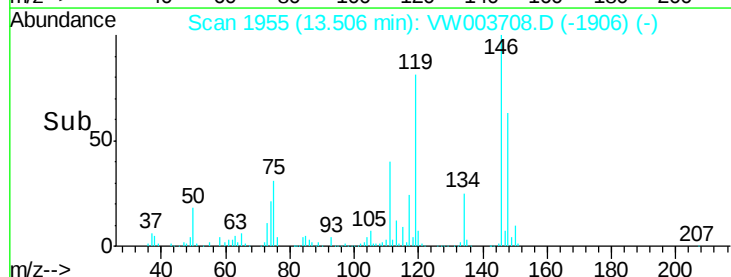
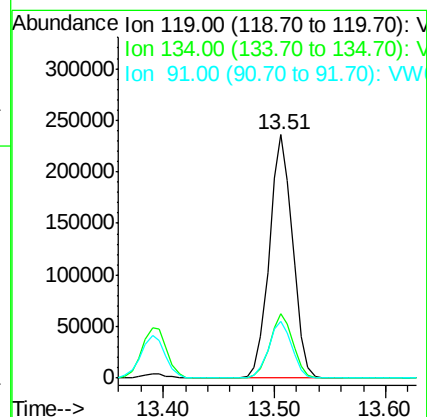
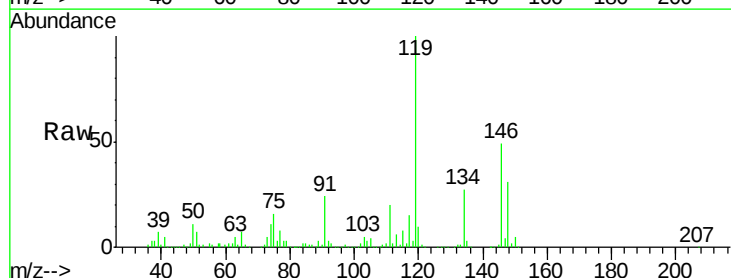
Tgt Ion:119 Resp: 344108

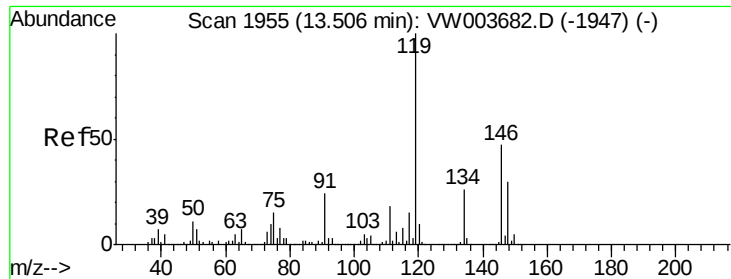
Ion Ratio Lower Upper

119 100

134 26.3 13.0 38.9

91 23.7 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 49.203 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

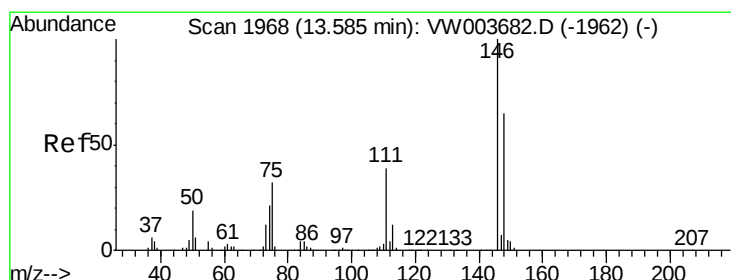
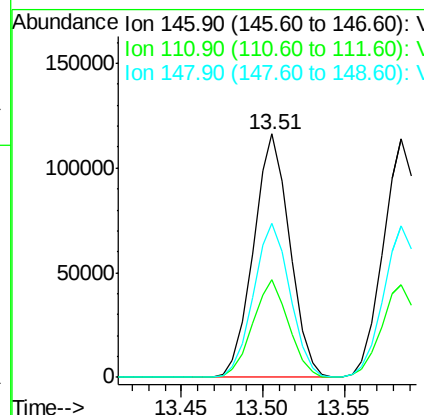
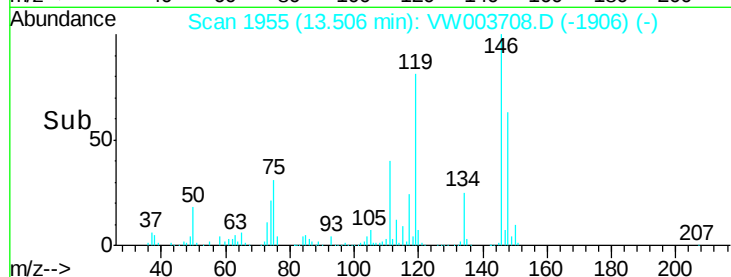
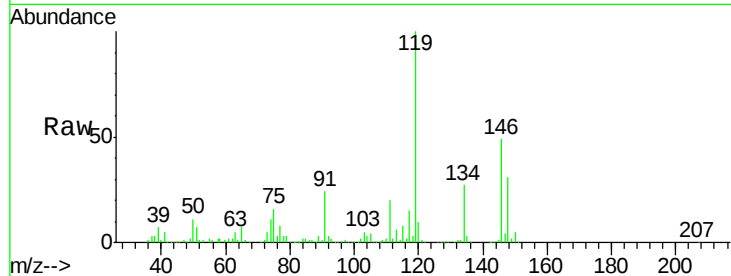
Instrument :
MSVOA_W

ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	179384		
111	39.6	19.9	59.7	
148	64.1	31.9	95.9	

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#88

1,4-Dichlorobenzene

Concen: 49.134 ug/l

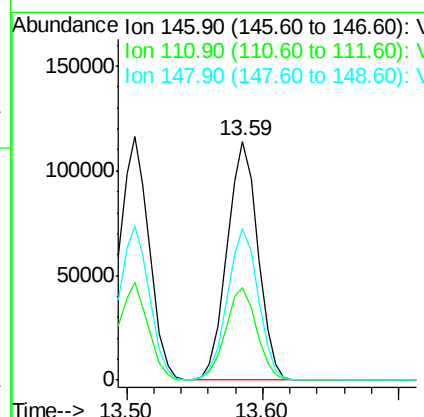
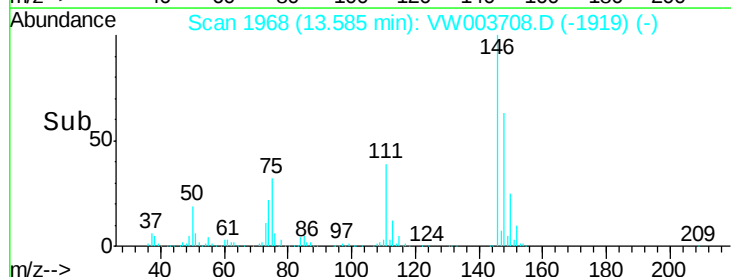
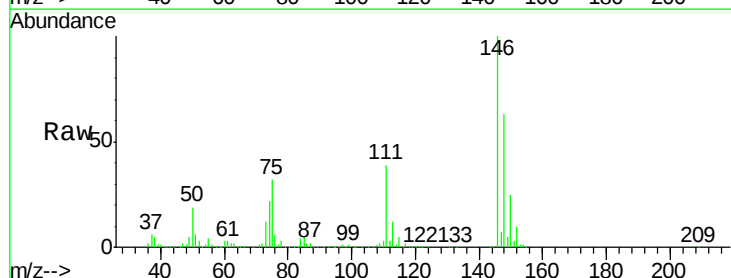
RT: 13.59 min Scan# 1968

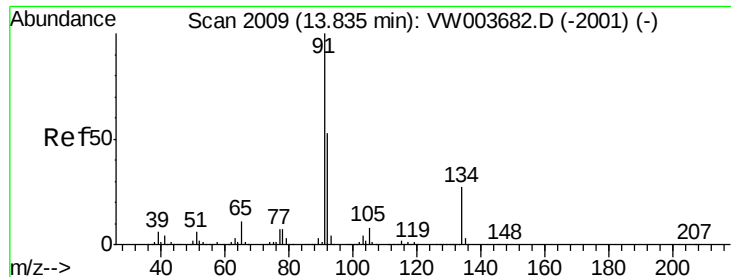
Delta R.T. 0.00 min

Lab File: VW003708.D

Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	179000		
111	39.3	19.3	57.9	
148	63.6	32.3	96.9	





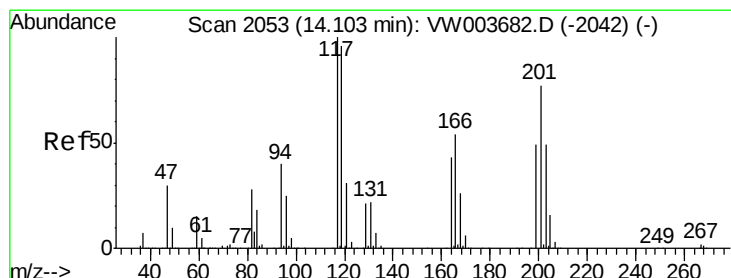
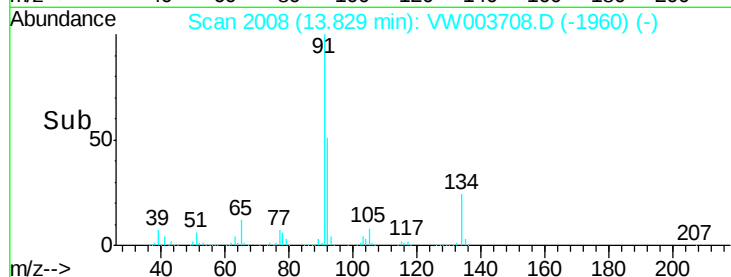
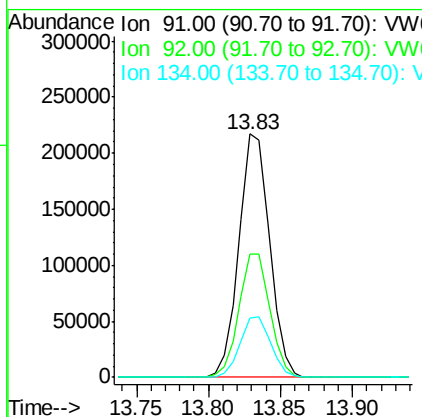
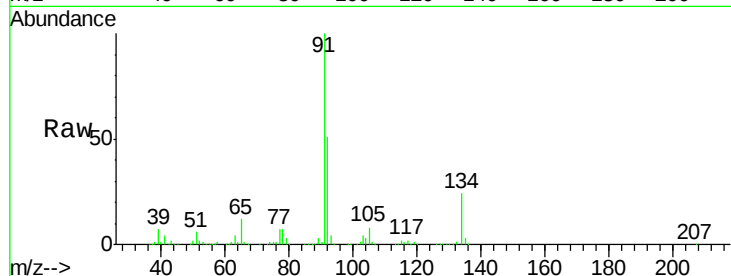
#89
n-Butylbenzene
Concen: 46.937 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampled :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.4	79.2
134	24.9	12.7	38.1

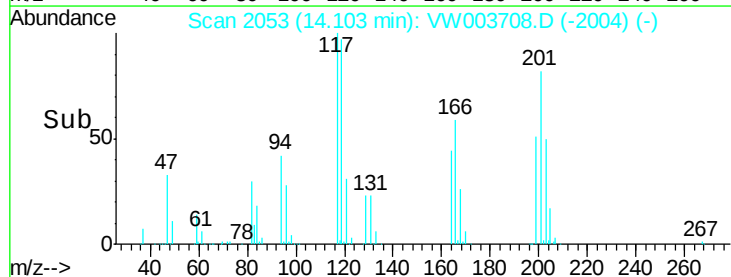
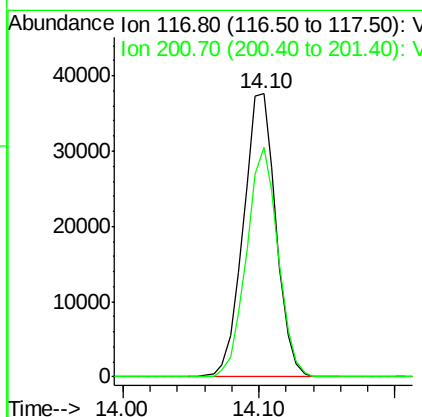
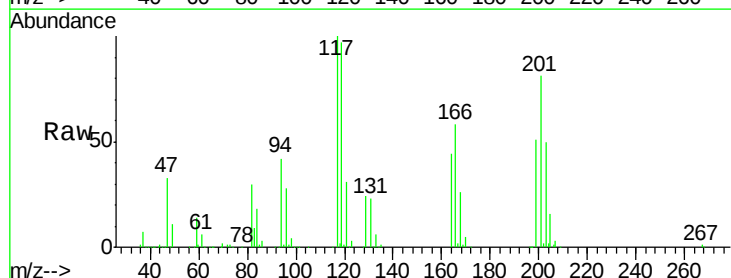
Manual Integrations
APPROVED

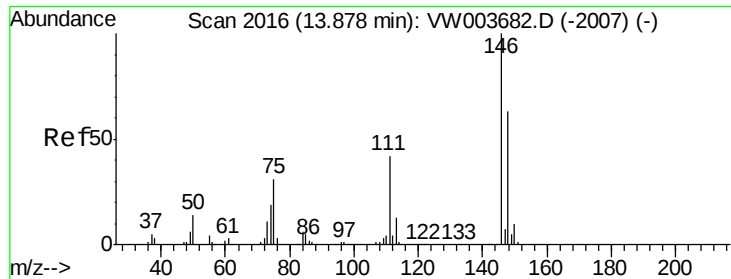
apatel
7/5/2018 11:12:05 AM



#90
Hexachloroethane
Concen: 48.765 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.8	39.1	117.2





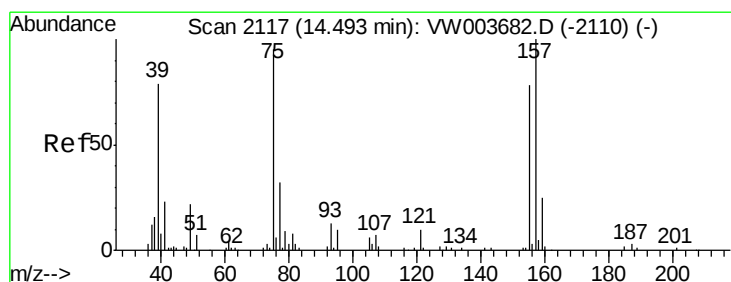
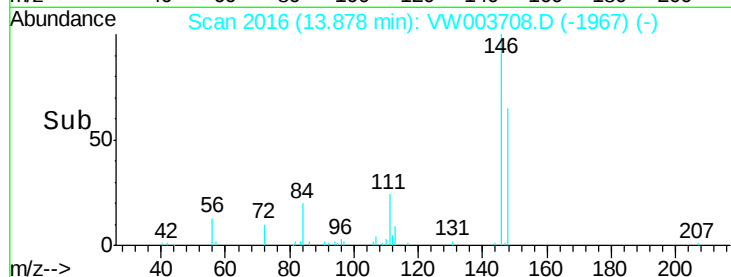
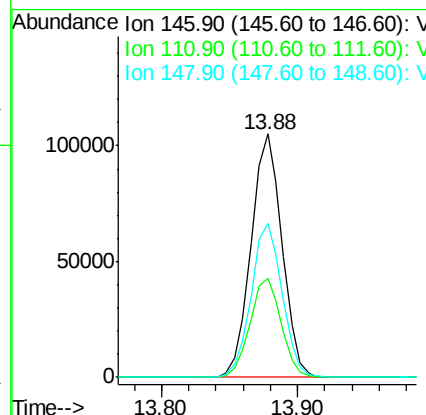
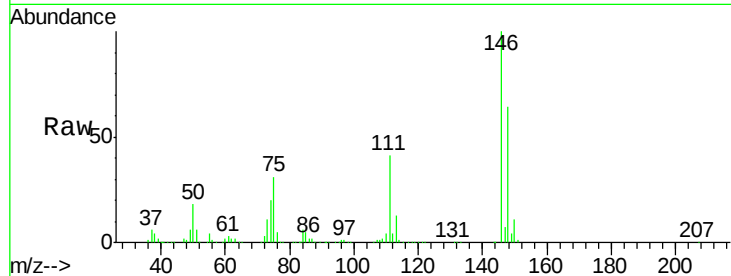
#91
 1,2-Dichlorobenzene
 Concen: 51.417 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampled :
 GF-G-9MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.4	31.9	95.7

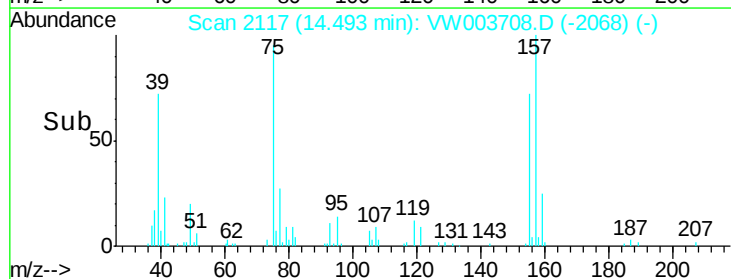
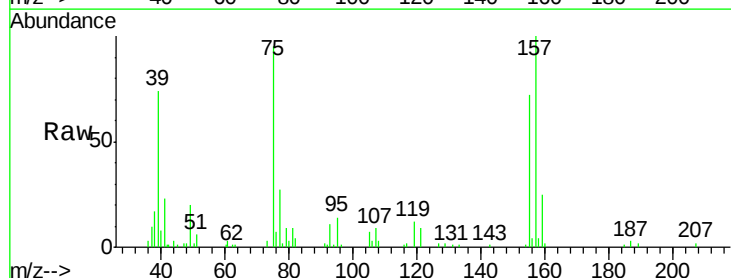
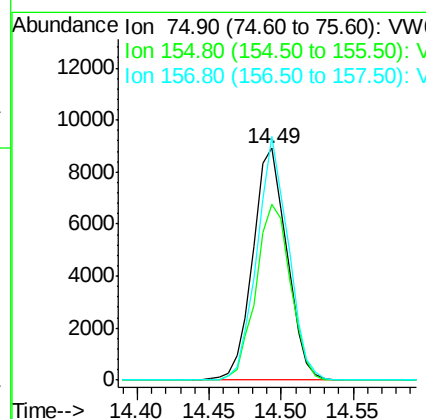
Manual Integrations
 APPROVED

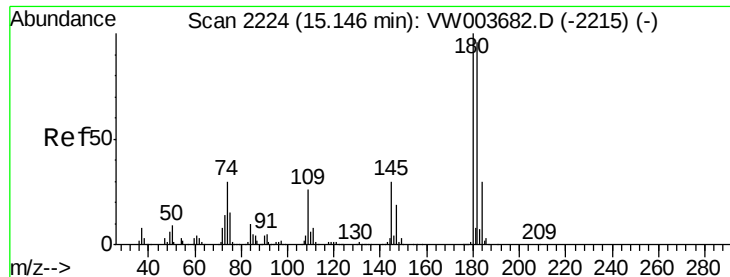
apatel
 7/5/2018 11:12:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.885 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	40.2	120.6
157	96.5	50.7	152.3





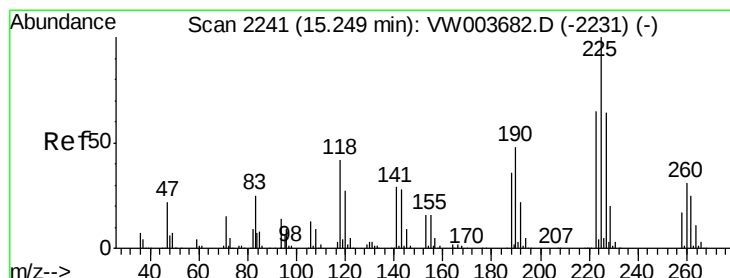
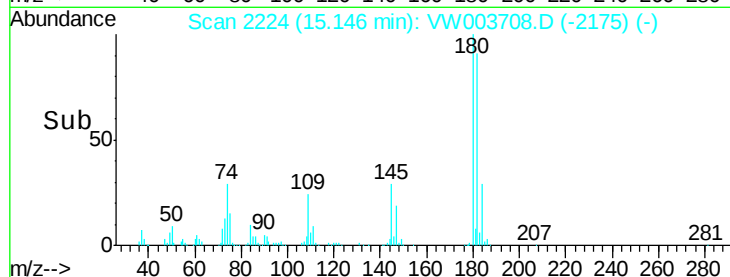
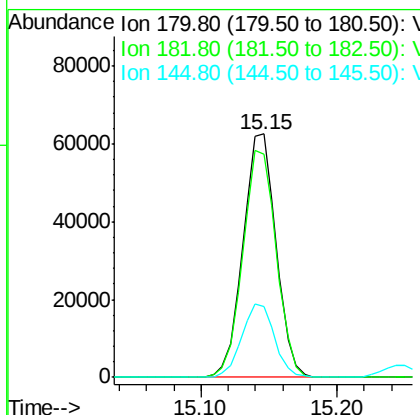
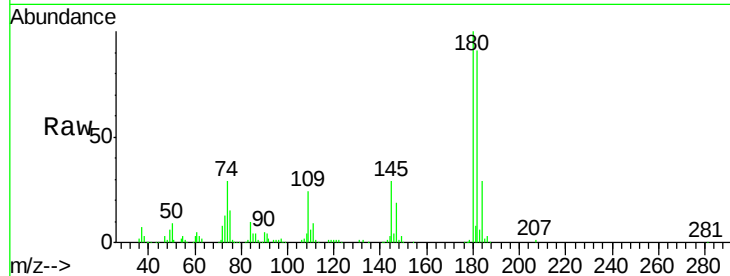
#93
 1,2,4-Trichlorobenzene
 Concen: 46.216 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 GF-G-9MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.8
145	29.9	14.9	44.5

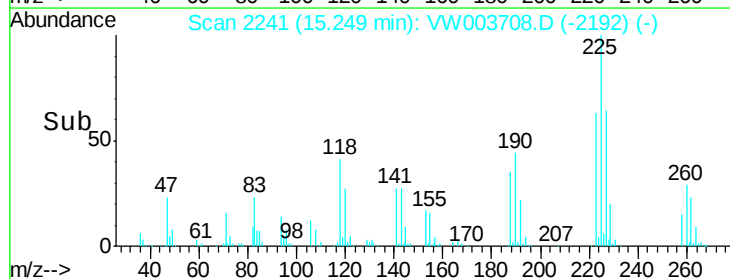
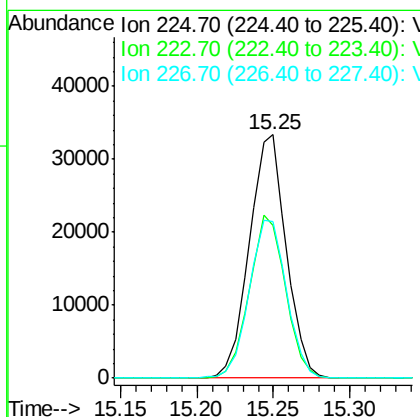
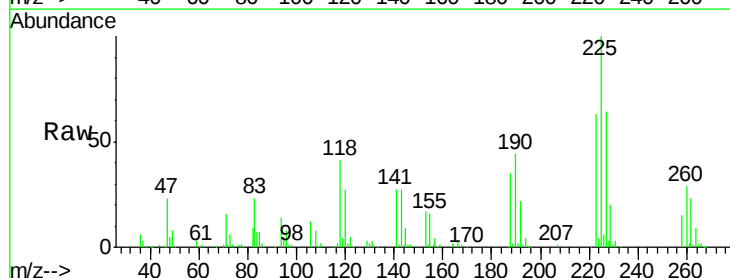
Manual Integrations
 APPROVED

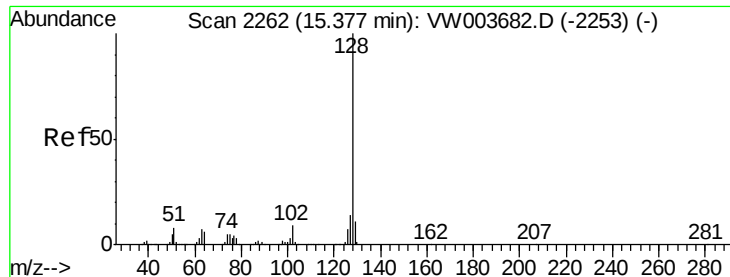
apatel
 7/5/2018 11:12:05 AM



#94
 Hexachlorobutadiene
 Concen: 42.131 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003708.D
 Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	32.0	96.2
227	65.7	31.9	95.7





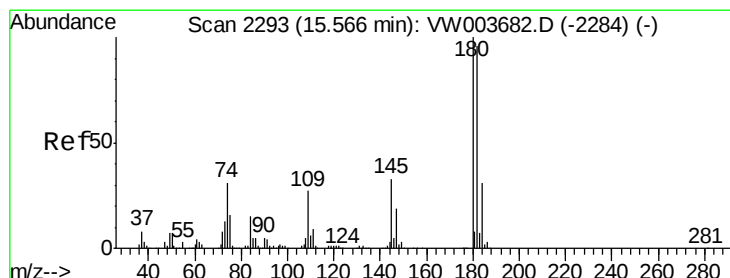
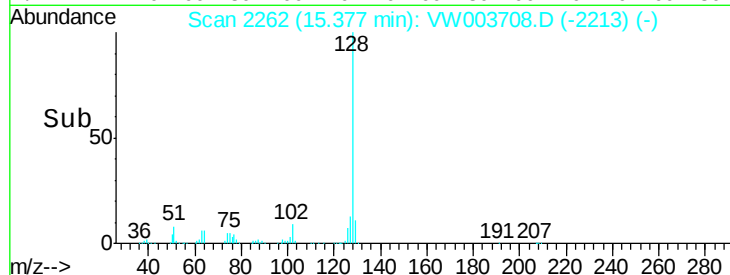
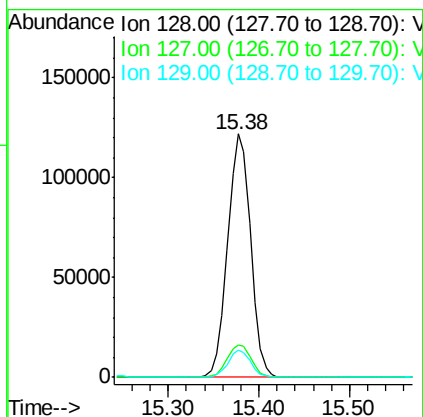
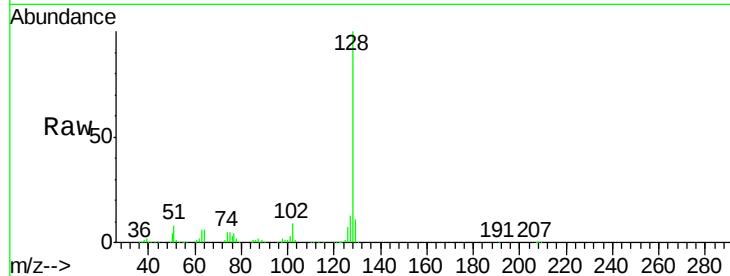
#95
Naphthalene
Concen: 51.250 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Instrument :
MSVOA_W
ClientSampleId :
GF-G-9MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
7/5/2018 11:12:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.511 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW003708.D
Acq: 03 Jul 2018 19:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.8	143.3
145	32.0	15.9	47.7

