

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003504.D
 Acq On : 24 Jun 2018 12:28
 Operator : SY/AP
 Sample : VW0624SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Manual Integrations
 APPROVED

apatel
 6/26/2018 12:28:23 PM

Quant Time: Jun 24 23:39:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	260697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	399419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	363397	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	193522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	139894	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
35) Dibromofluoromethane	7.88	113	124809	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.33	98	509543	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
62) 4-Bromofluorobenzene	12.62	95	179034	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	22119	28.06	ug/l	90
3) Chloromethane	2.21	50	37813	18.99	ug/l	92
4) Vinyl Chloride	2.36	62	57521	19.81	ug/l	98
5) Bromomethane	2.78	94	34364	17.81	ug/l	99
6) Chloroethane	2.92	64	37395	18.51	ug/l	97
7) Trichlorofluoromethane	3.25	101	36742	21.13	ug/l	95
8) Diethyl Ether	3.68	74	27137	21.24	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50453	20.89	ug/l	99
10) Methyl Iodide	4.26	142	74382	20.37	ug/l	100
11) Tert butyl alcohol	5.26	59	14864	98.15	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	49230	20.86	ug/l	94
13) Acrolein	3.89	56	16075	74.24	ug/l	97
14) Allyl chloride	4.66	41	84904	20.77	ug/l	99
15) Acrylonitrile	5.38	53	50719	96.49	ug/l	99
16) Acetone	4.15	43	59464	100.41	ug/l	98
17) Carbon Disulfide	4.37	76	142746	20.46	ug/l	99
18) Methyl Acetate	4.68	43	25243	17.97	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	86084	19.48	ug/l	97
20) Methylene Chloride	4.90	84	53411	18.95	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	51516	20.06	ug/l	98
22) Diisopropyl ether	6.31	45	168266	20.45	ug/l	96
23) Vinyl Acetate	6.26	43	464968	98.07	ug/l	100
24) 1,1-Dichloroethane	6.21	63	100852	20.65	ug/l	98
25) 2-Butanone	7.19	43	73808	100.23	ug/l	97
26) 2,2-Dichloropropane	7.17	77	67966	20.85	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57611	20.42	ug/l	98
28) Bromochloromethane	7.51	49	37859	18.63	ug/l	98
29) Tetrahydrofuran	7.54	42	42439	94.29	ug/l	98
30) Chloroform	7.68	83	102671	20.63	ug/l	99
31) Cyclohexane	7.95	56	93562	20.50	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	84521	20.58	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82518	21.39	ug/l	99
37) Ethyl Acetate	7.26	43	31545	19.74	ug/l	100
38) Carbon Tetrachloride	8.07	117	79421	20.99	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003504.D
 Acq On : 24 Jun 2018 12:28
 Operator : SY/AP
 Sample : VW0624SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Manual Integrations
 APPROVED

apatel
 6/26/2018 12:28:23 PM

Quant Time: Jun 24 23:39:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 05:18:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95525	21.40	ug/l	96
40) Benzene	8.32	78	225216	21.18	ug/l	100
41) Methacrylonitrile	7.49	41	18537	18.90	ug/l	98
42) 1,2-Dichloroethane	8.40	62	68804	20.65	ug/l	98
43) Isopropyl Acetate	8.43	43	59406	18.72	ug/l	97
44) Trichloroethene	9.09	130	58726	20.84	ug/l	96
45) 1,2-Dichloropropane	9.37	63	56896	21.02	ug/l	98
46) Dibromomethane	9.46	93	27789	20.05	ug/l	97
47) Bromodichloromethane	9.65	83	72533	20.42	ug/l	99
48) Methyl methacrylate	9.44	41	28897	19.38	ug/l	98
49) 1,4-Dioxane	9.49	88	7782	371.86	ug/l	92
51) 4-Methyl-2-Pentanone	10.22	43	155592	96.23	ug/l	100
52) Toluene	10.39	92	142182	20.85	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	71746	19.77	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	83877	20.31	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	38442	19.68	ug/l	98
56) Ethyl methacrylate	10.65	69	45458	19.17	ug/l	97
57) 1,3-Dichloropropane	10.93	76	68253	20.26	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	104170	97.98	ug/l	99
59) 2-Hexanone	10.98	43	111347	98.58	ug/l	99
60) Dibromochloromethane	11.13	129	45508	19.59	ug/l	99
61) 1,2-Dibromoethane	11.24	107	36142	19.56	ug/l	100
64) Tetrachloroethene	10.87	164	50067	20.60	ug/l	96
65) Chlorobenzene	11.66	112	155959	20.61	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	53577	20.15	ug/l	98
67) Ethyl Benzene	11.74	91	279051	20.80	ug/l	100
68) m/p-Xylenes	11.85	106	213979	41.96	ug/l	100
69) o-Xylene	12.17	106	97543	20.64	ug/l	99
70) Styrene	12.19	104	162020	20.60	ug/l	99
71) Bromoform	12.35	173	25927	18.81	ug/l #	99
73) Isopropylbenzene	12.47	105	279104	20.74	ug/l	99
74) N-amyl acetate	12.28	43	58149	18.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	43688	19.19	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	31484m	19.03	ug/l	
77) Bromobenzene	12.76	156	63195	20.16	ug/l	97
78) n-propylbenzene	12.81	91	350165	21.25	ug/l	100
79) 2-Chlorotoluene	12.90	91	193776	20.80	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	238492	21.11	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	13072	18.18	ug/l	95
82) 4-Chlorotoluene	12.99	91	206886	20.94	ug/l	100
83) tert-Butylbenzene	13.21	119	201534	20.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	246577	21.22	ug/l	100
85) sec-Butylbenzene	13.39	105	305677	21.36	ug/l	100
86) p-Isopropyltoluene	13.51	119	268287	21.25	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	134029	20.81	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	133668	20.88	ug/l	99
89) n-Butylbenzene	13.84	91	263972	21.45	ug/l	100
90) Hexachloroethane	14.10	117	47062	20.61	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	116908	20.72	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	7254	18.93	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003504.D
Acq On : 24 Jun 2018 12:28
Operator : SY/AP
Sample : VW0624SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

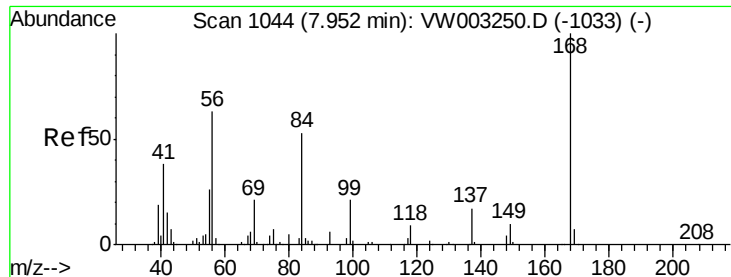
Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM

Quant Time: Jun 24 23:39:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 05:18:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	82182	20.75	ug/l	99
94) Hexachlorobutadiene	15.25	225	50878	21.36	ug/l	99
95) Naphthalene	15.38	128	128411	19.12	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	70390	20.19	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion:168 Resp: 260697

Ion Ratio Lower Upper

168 100

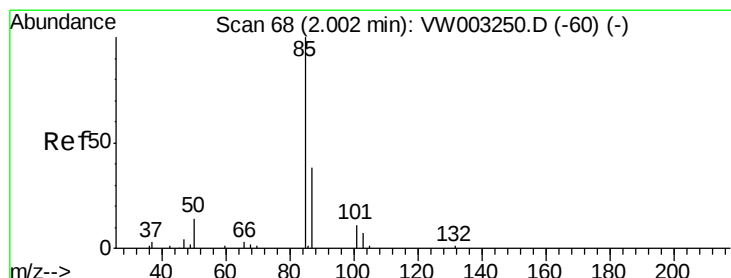
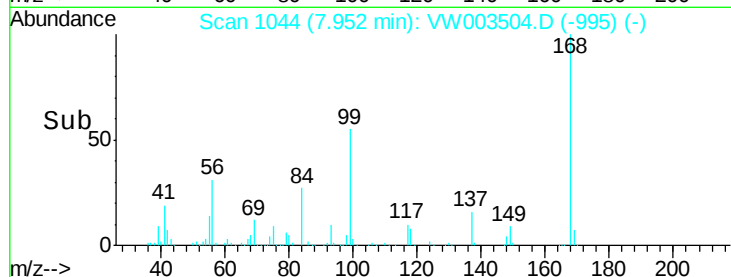
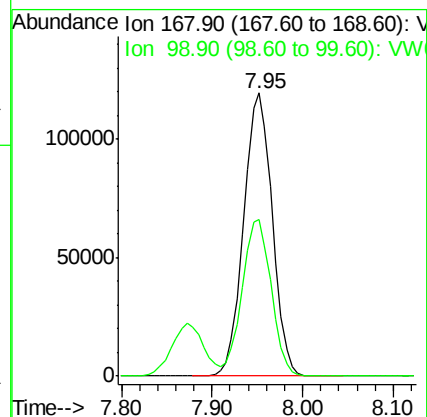
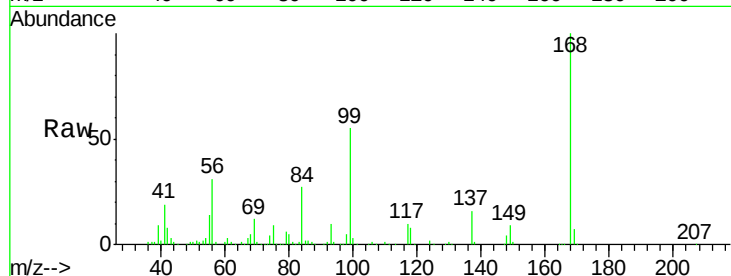
99 55.4 45.5 68.3

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#2

Dichlorodifluoromethane

Concen: 28.06 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003504.D

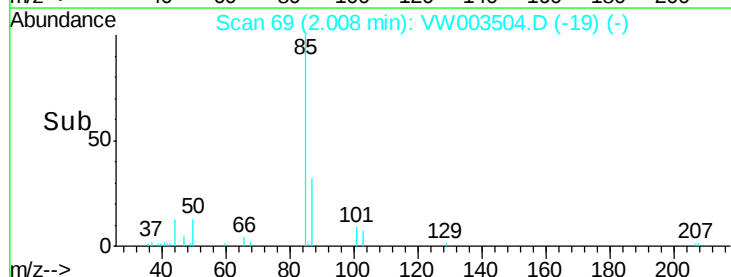
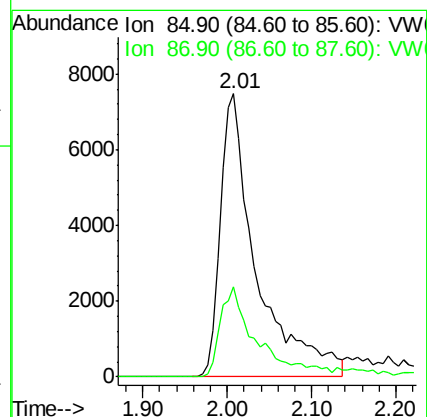
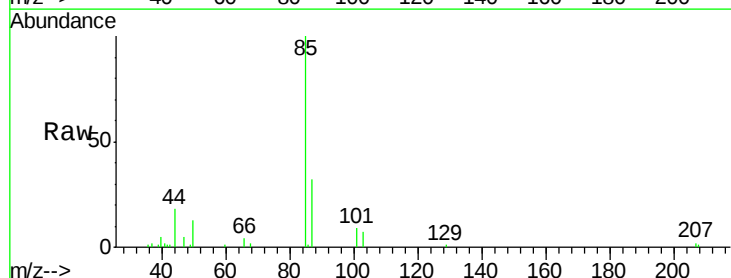
Acq: 24 Jun 2018 12:28

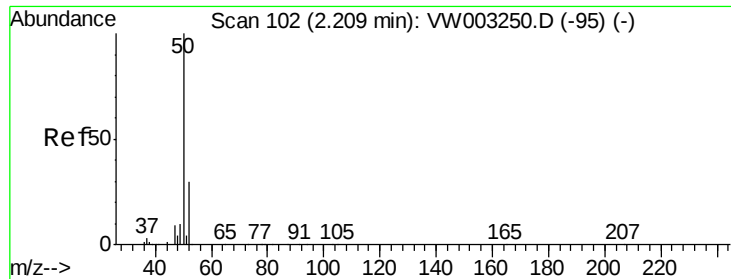
Tgt Ion: 85 Resp: 22119

Ion Ratio Lower Upper

85 100

87 31.9 18.9 56.7





#3

Chloromethane

Concen: 18.99 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 50 Resp: 37813

Ion Ratio Lower Upper

50 100

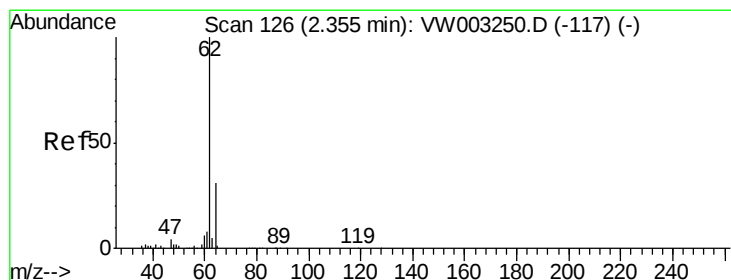
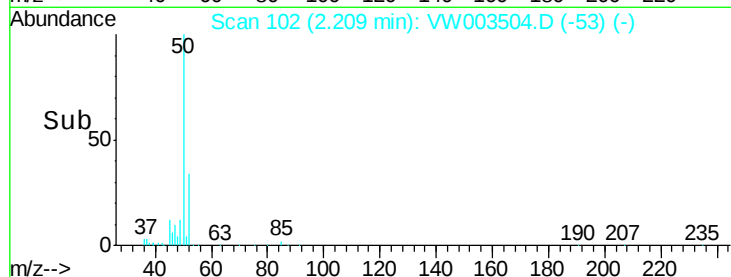
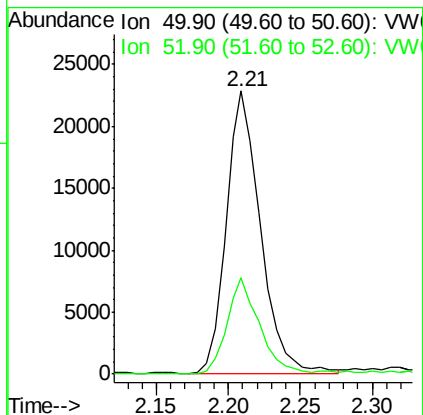
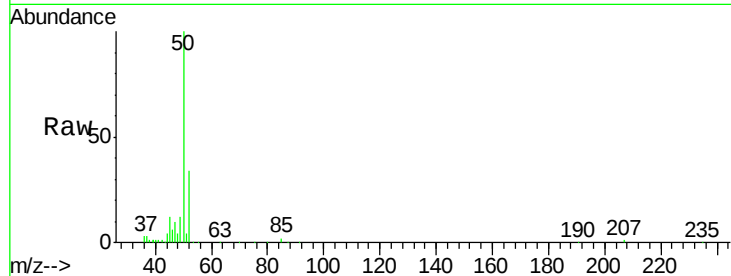
52 34.3 24.2 36.2

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#4

Vinyl Chloride

Concen: 19.81 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003504.D

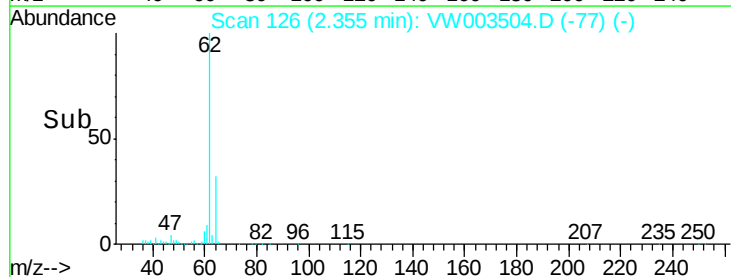
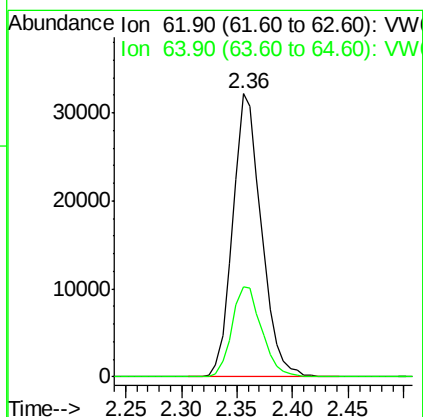
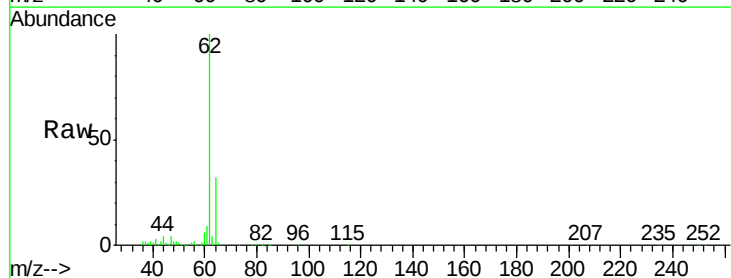
Acq: 24 Jun 2018 12:28

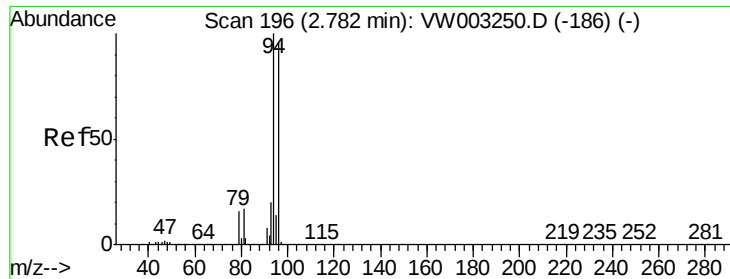
Tgt Ion: 62 Resp: 57521

Ion Ratio Lower Upper

62 100

64 32.0 24.9 37.3





#5

Bromomethane

Concen: 17.81 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 94 Resp: 34364

Ion Ratio Lower Upper

94 100

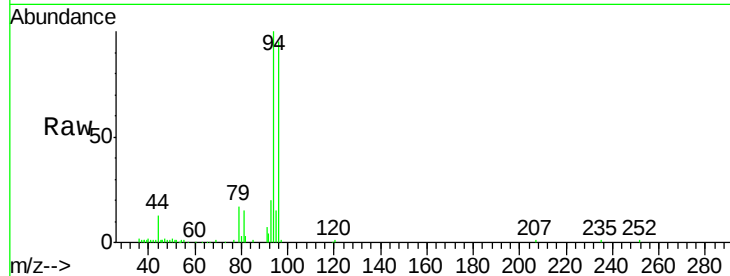
96 94.5 76.5 114.7

Manual Integrations

APPROVED

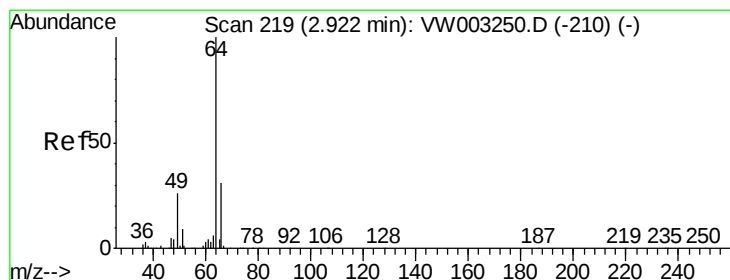
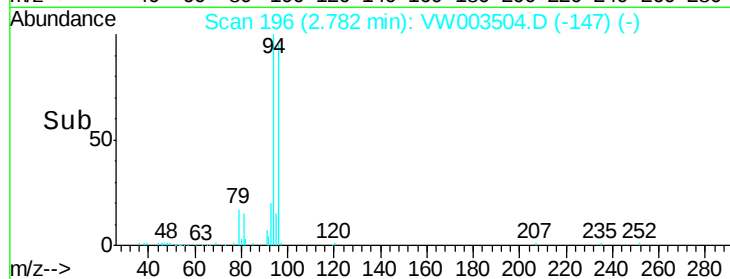
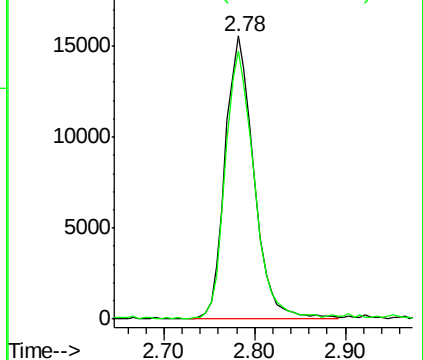
apatel

6/26/2018 12:28:23 PM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.51 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003504.D

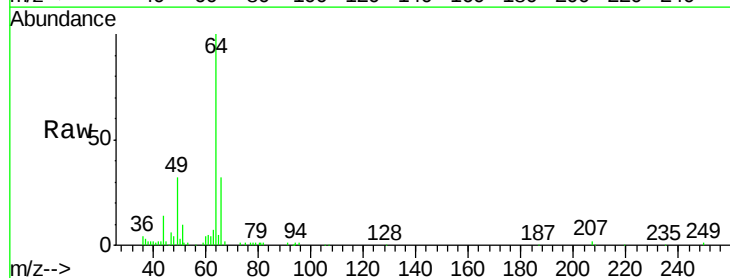
Acq: 24 Jun 2018 12:28

Tgt Ion: 64 Resp: 37395

Ion Ratio Lower Upper

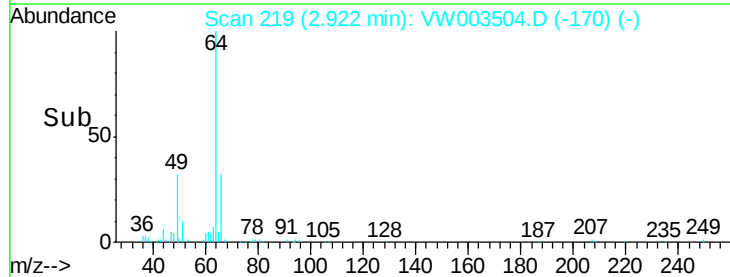
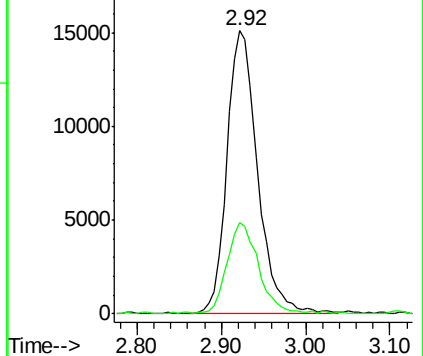
64 100

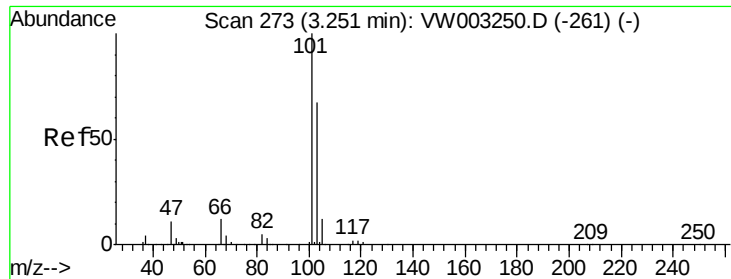
66 32.0 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

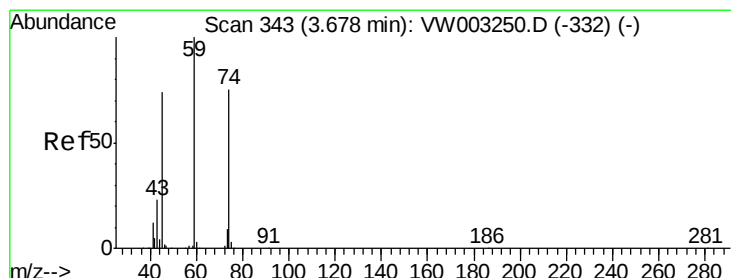
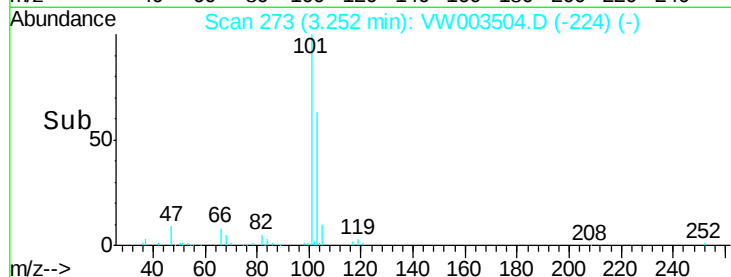
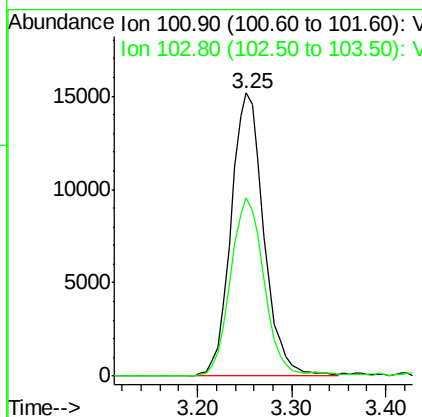
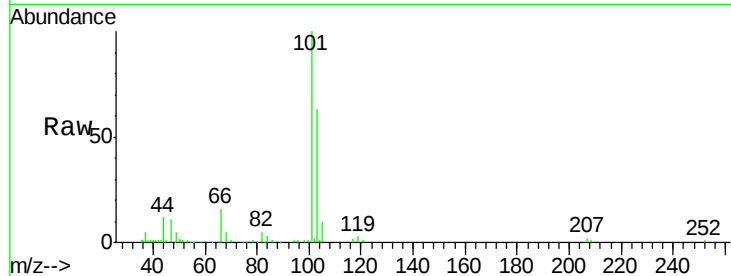
Trichlorofluoromethane
Concen: 21.13 ug/l
RT: 3.25 min Scan# 273
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	53.4	80.0

Manual Integrations
APPROVED

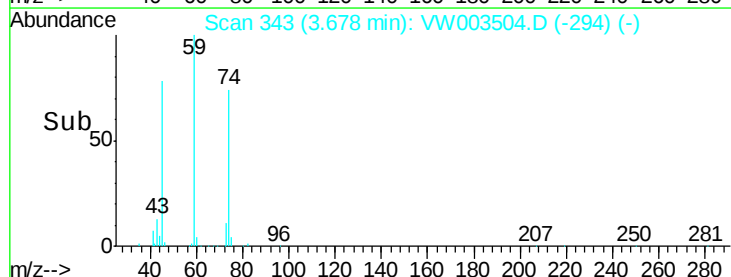
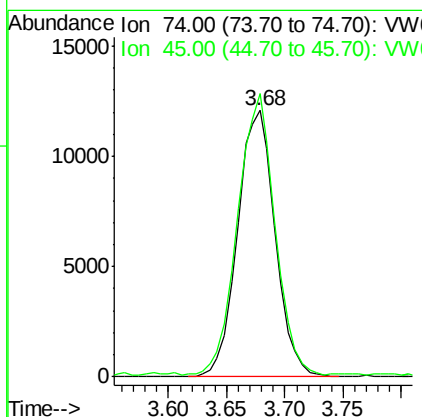
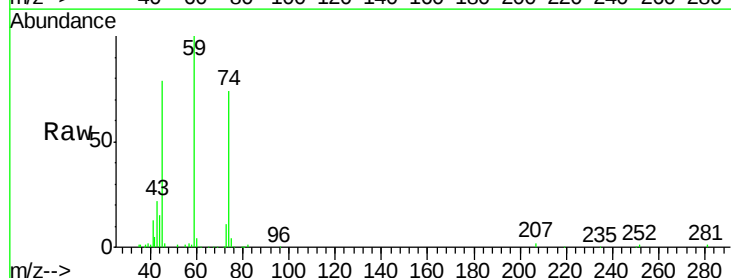
apatel
6/26/2018 12:28:23 PM

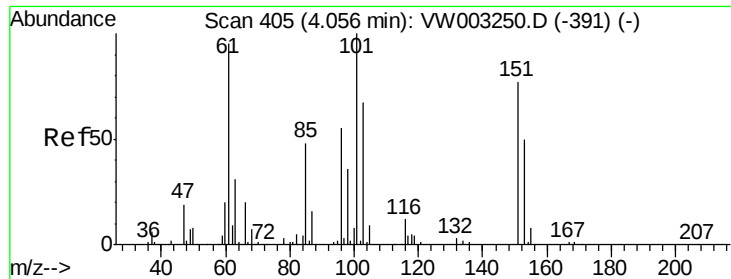


#8

Diethyl Ether
Concen: 21.24 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	51.4	154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.89 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

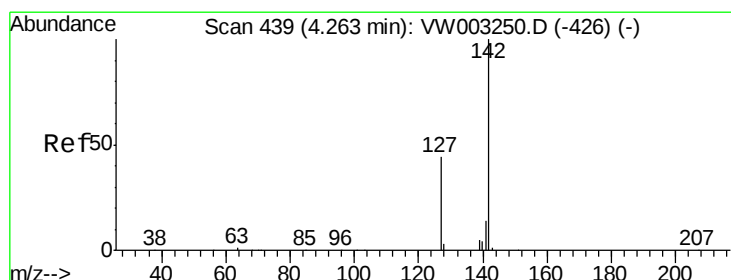
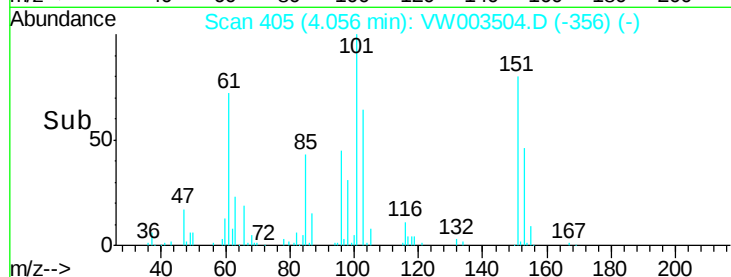
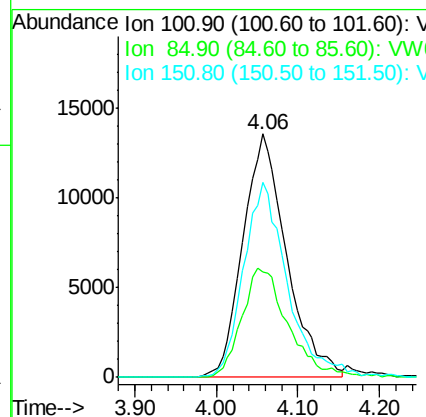
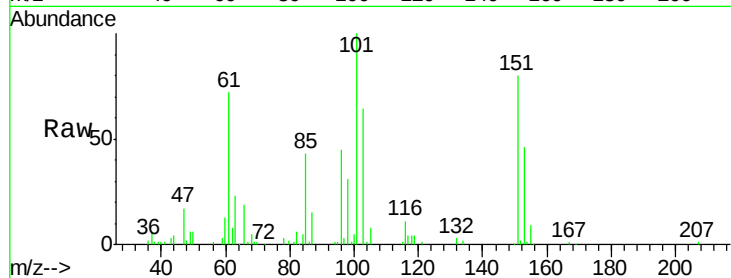
ClientSampleId :

VW0624SBS01

Tot Ion:	101	Resp:	50453
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.0	55.6
151	80.1	63.3	94.9

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#10

Methyl Iodide

Concen: 20.37 ug/l

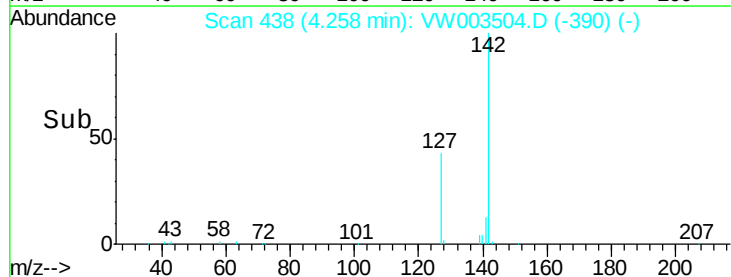
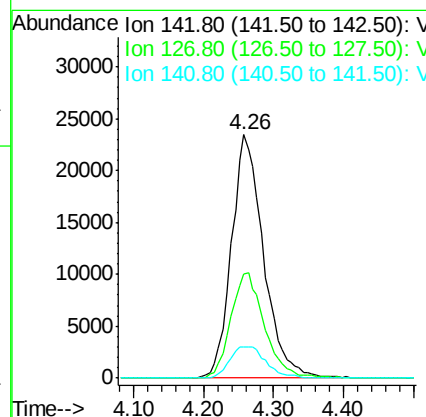
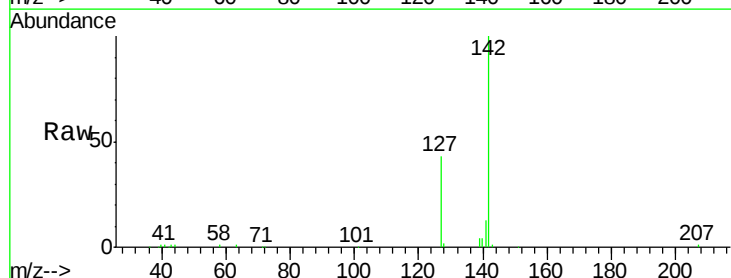
RT: 4.26 min Scan# 438

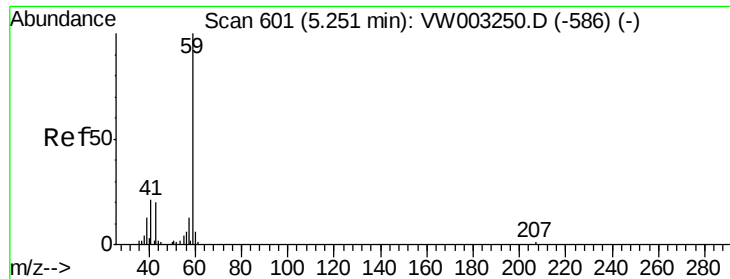
Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion:	142	Resp:	74382
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.5	54.7
141	14.8	12.1	18.1





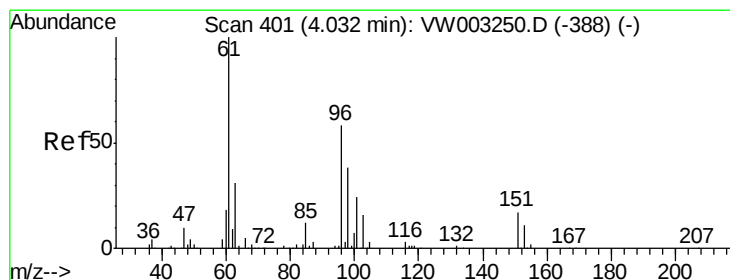
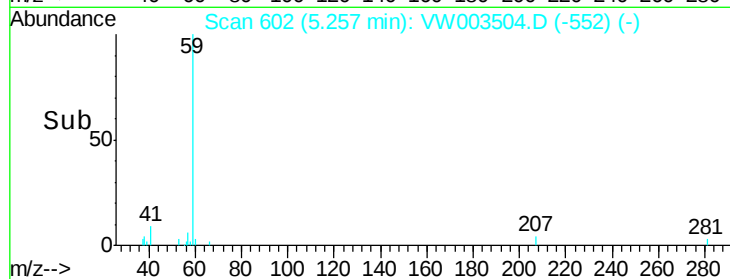
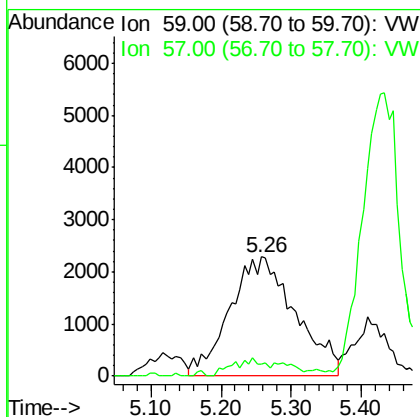
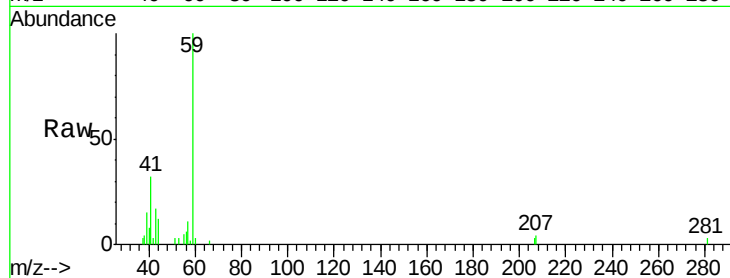
#11
Tert butyl alcohol
Concen: 98.15 ug/l
RT: 5.26 min Scan# 602
Delta R.T. 0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampled :
VW0624SBS01

Tot Ion: 59 Resp: 14864
Ion Ratio Lower Upper
59 100
57 0.0 4.2 6.2#

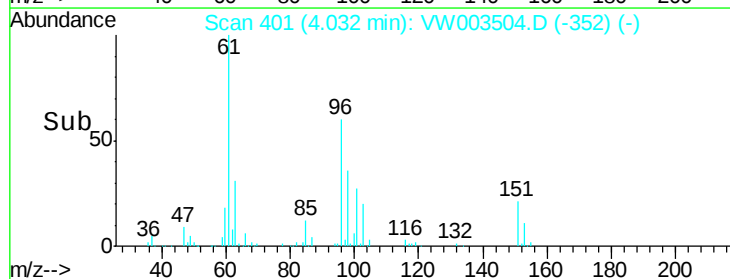
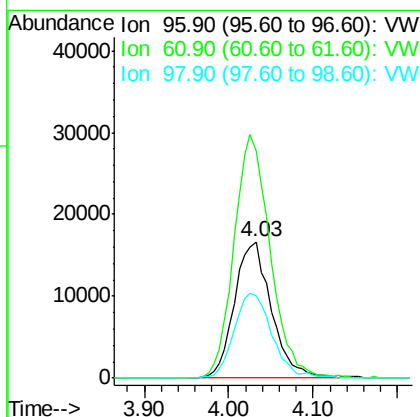
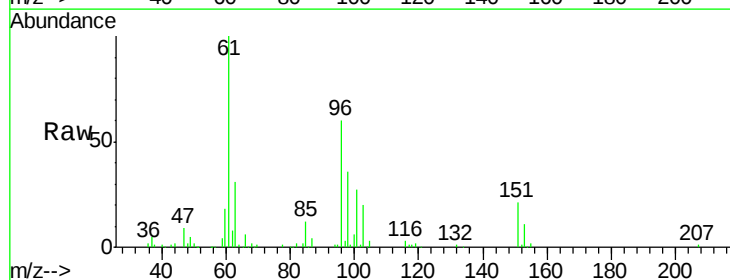
Manual Integrations
APPROVED

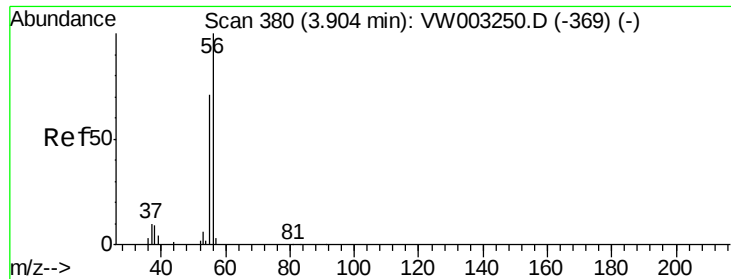
apatel
6/26/2018 12:28:23 PM



#12
1,1-Dichloroethene
Concen: 20.86 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 96 Resp: 49230
Ion Ratio Lower Upper
96 100
61 166.9 139.0 208.4
98 60.4 53.3 79.9





#13

Acrolein

Concen: 74.24 ug/l

RT: 3.89 min Scan# 378

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 56 Resp: 16075

Ion Ratio Lower Upper

56 100

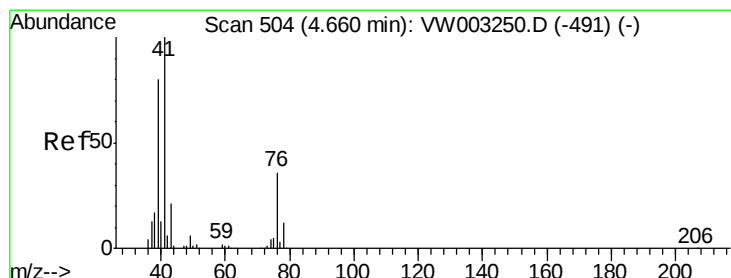
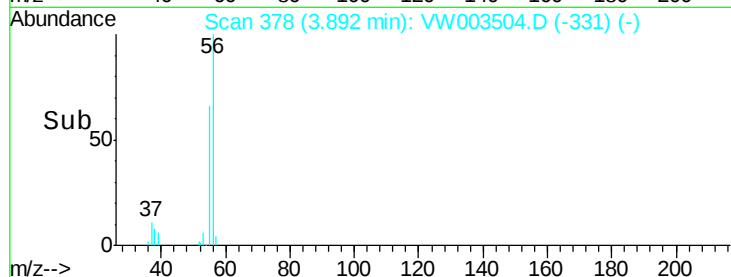
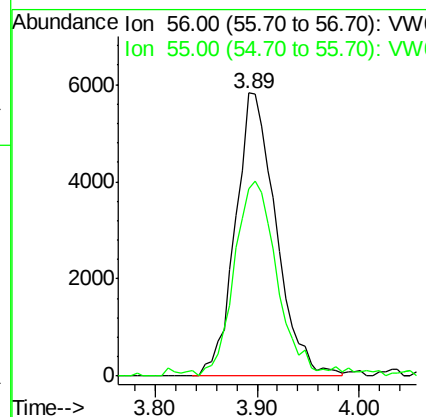
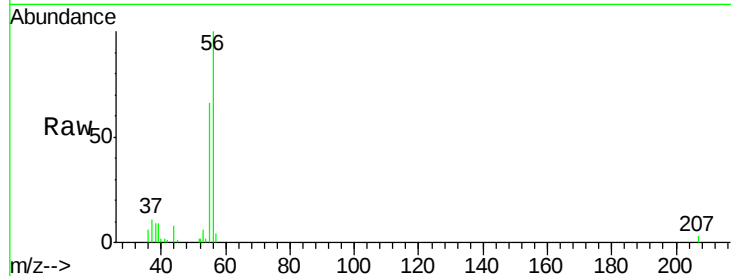
55 71.4 55.4 83.2

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#14

Allyl chloride

Concen: 20.77 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

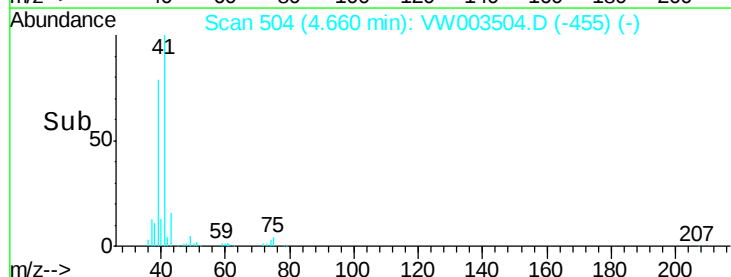
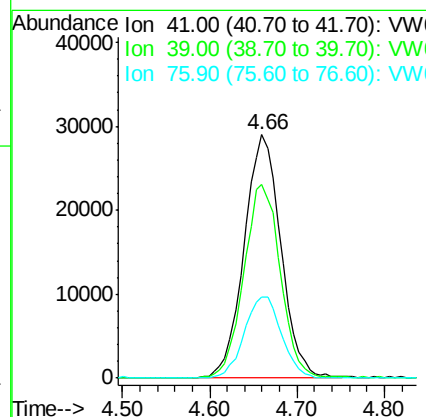
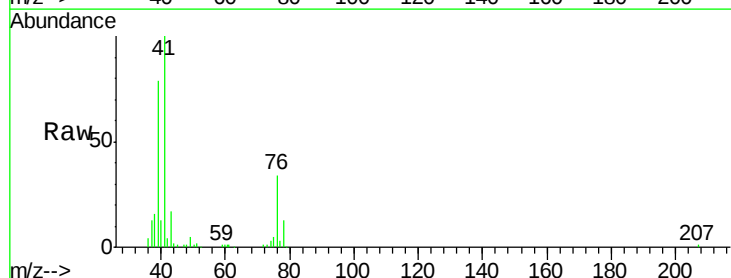
Tgt Ion: 41 Resp: 84904

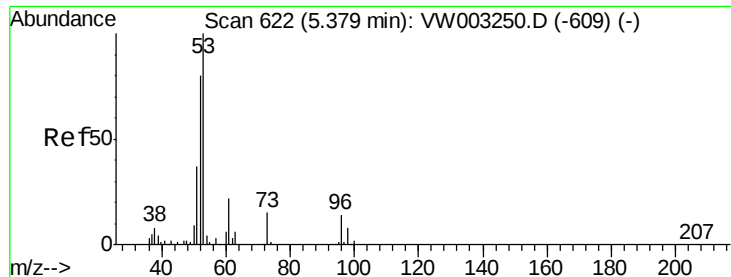
Ion Ratio Lower Upper

41 100

39 78.9 63.2 94.8

76 34.0 28.0 42.0





#15

Acrylonitrile

Concen: 96.49 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

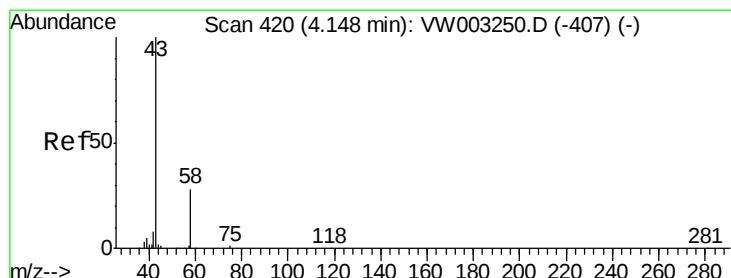
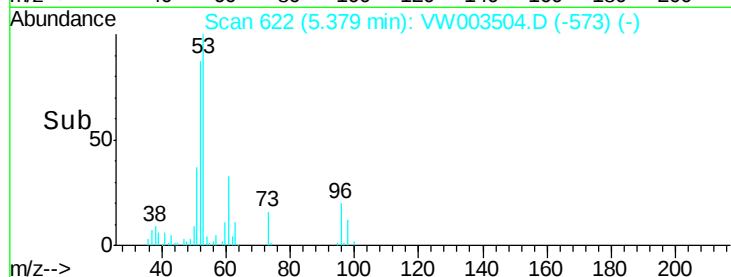
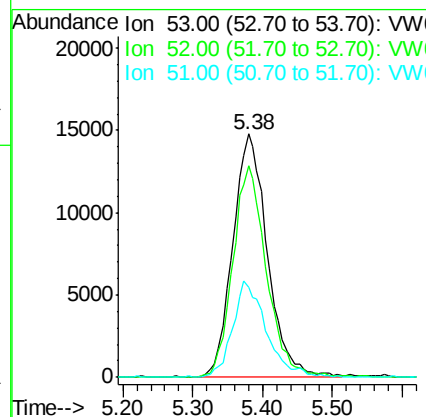
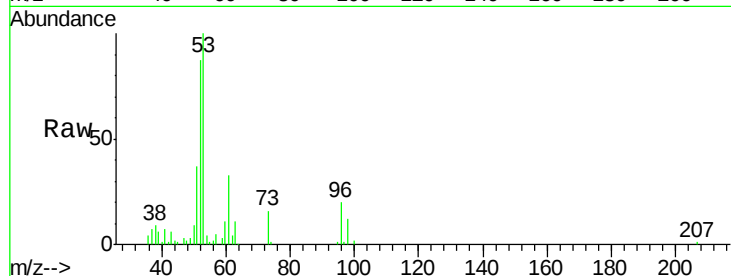
ClientSampleId :

VW0624SBS01

Tot Ion:	53	Resp:	50719
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.6	100.0
51	38.3	30.6	46.0

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#16

Acetone

Concen: 100.41 ug/l

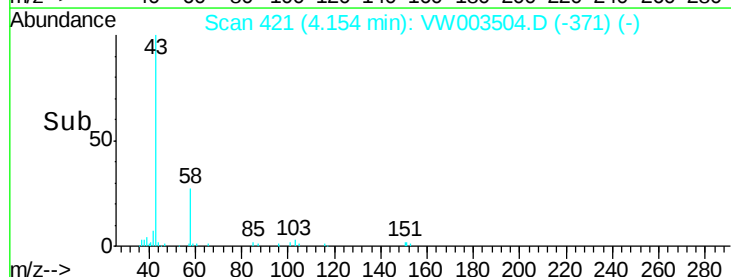
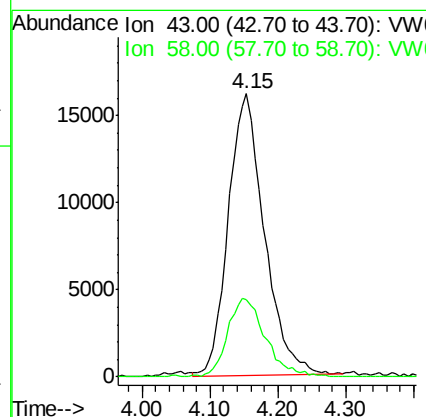
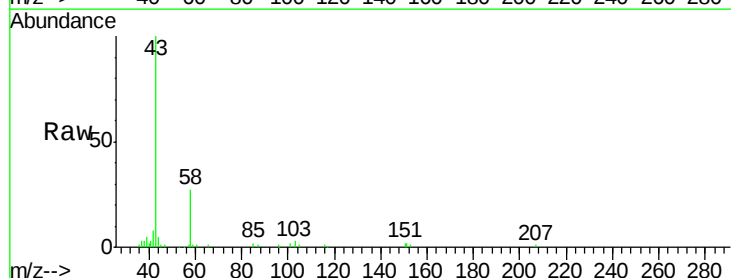
RT: 4.15 min Scan# 421

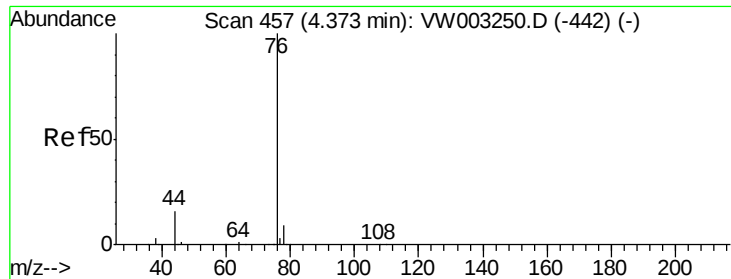
Delta R.T. 0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion:	43	Resp:	59464
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.6	34.0





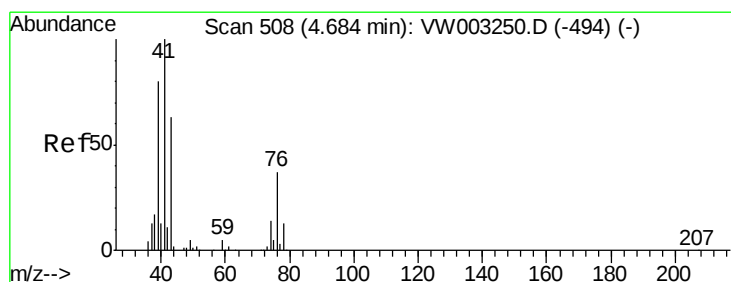
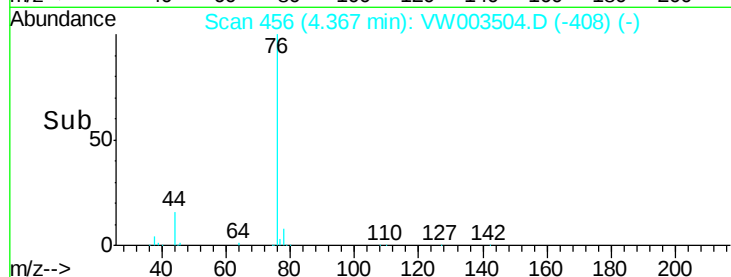
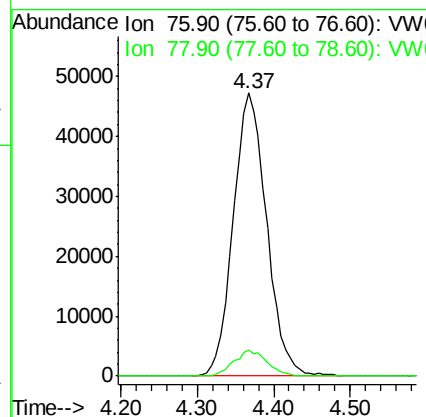
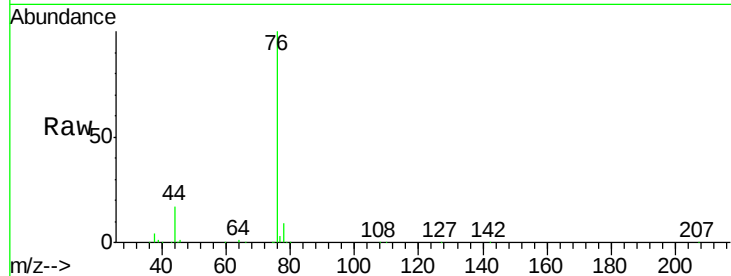
#17
Carbon Disulfide
Concen: 20.46 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

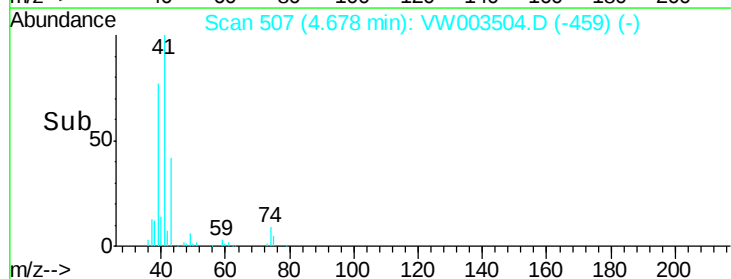
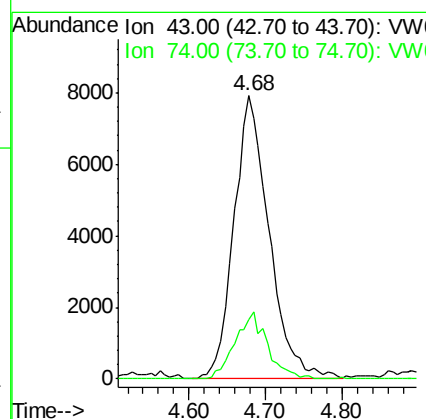
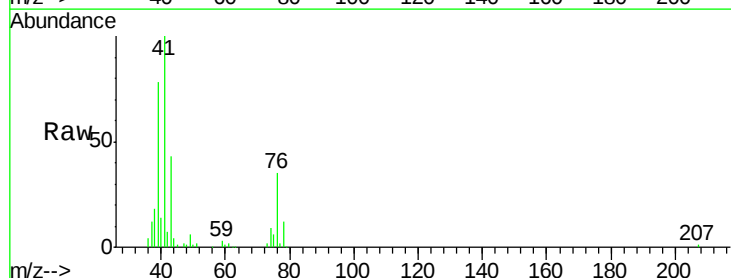
Manual Integrations
APPROVED

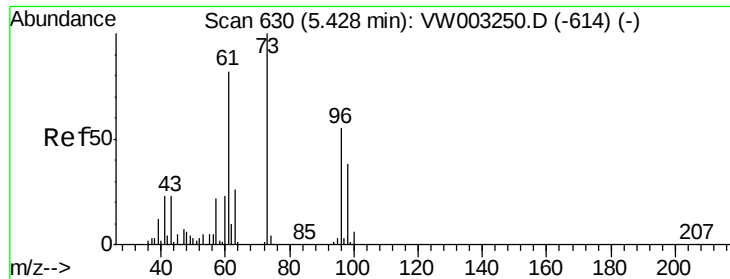
apatel
6/26/2018 12:28:23 PM



#18
Methyl Acetate
Concen: 17.97 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	18.7	28.1





#19

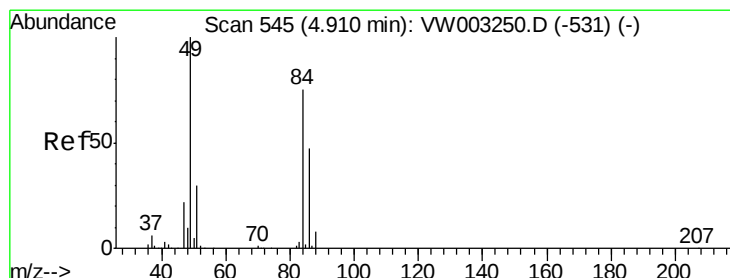
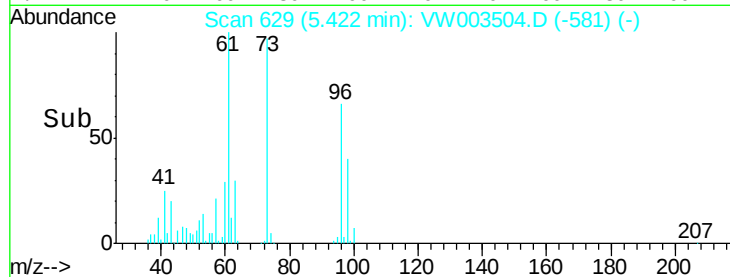
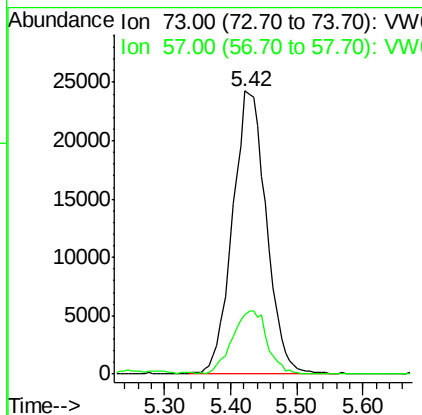
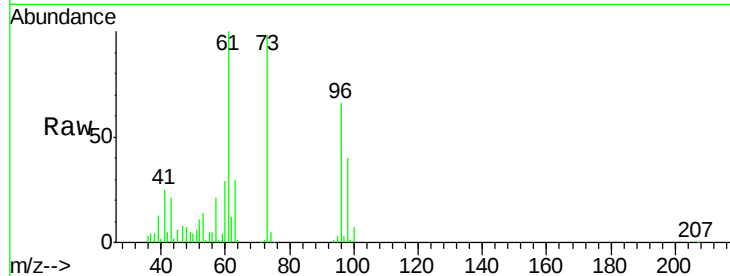
Methyl tert-butyl Ether
 Concen: 19.48 ug/l
 RT: 5.42 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.0	27.0

Manual Integrations
 APPROVED

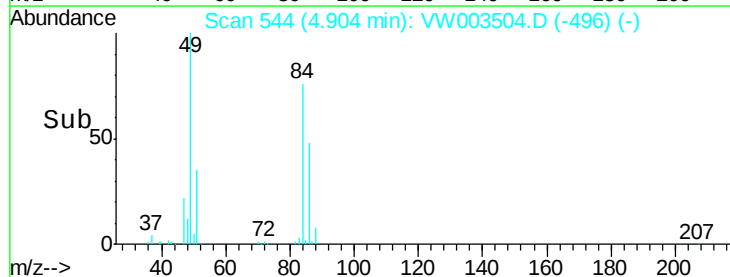
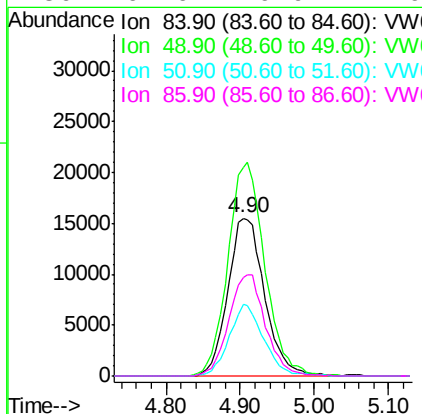
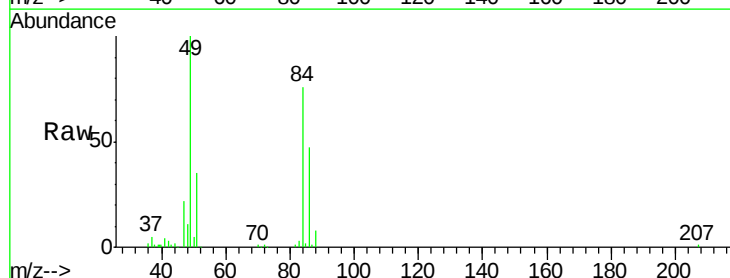
apatel
 6/26/2018 12:28:23 PM

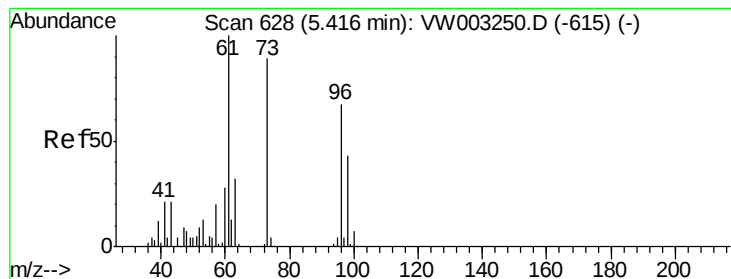


#20

Methylene Chloride
 Concen: 18.95 ug/l
 RT: 4.90 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.3	106.3	159.5
51	45.7	32.0	48.0
86	62.6	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 20.06 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

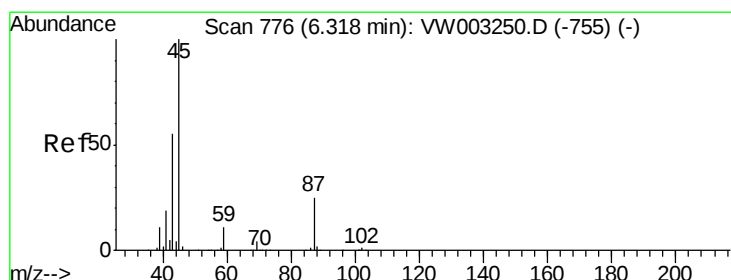
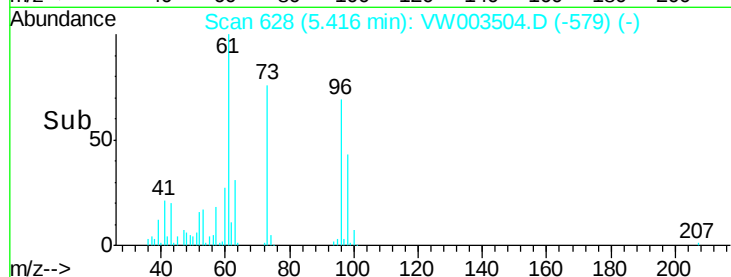
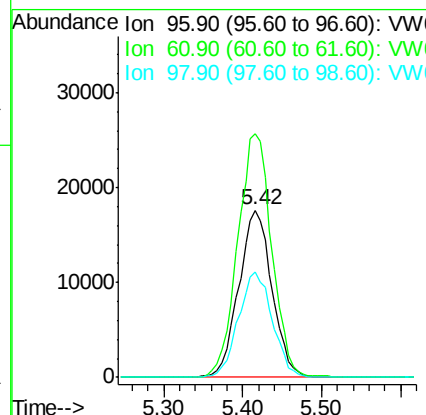
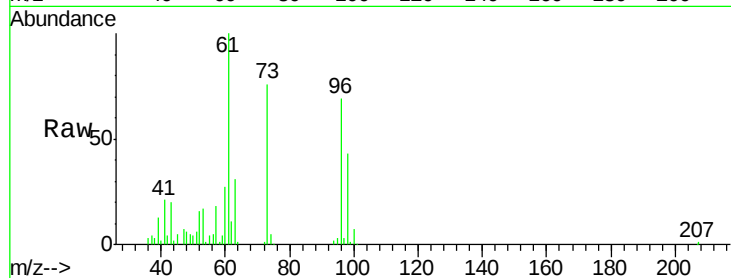
ClientSampleId :

VW0624SBS01

Tot Ion:	96	Resp:	51516
Ion	Ratio	Lower	Upper
96	100		
61	145.7	118.7	178.1
98	63.3	51.0	76.6

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#22

Diisopropyl ether

Concen: 20.45 ug/l

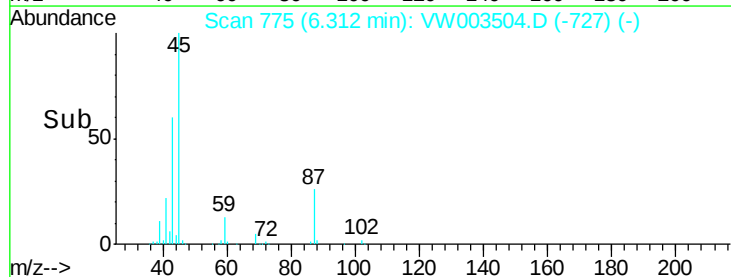
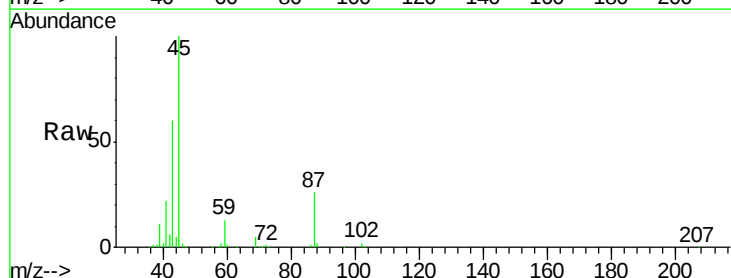
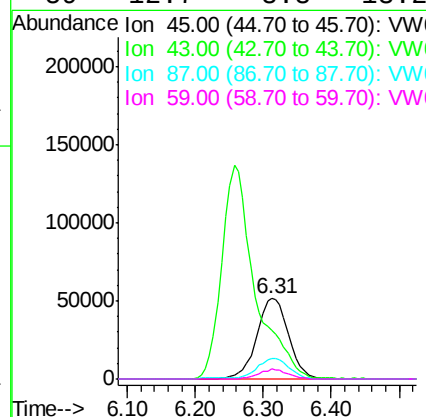
RT: 6.31 min Scan# 775

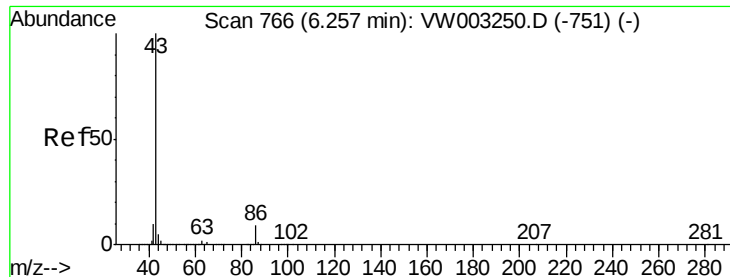
Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion:	45	Resp:	168266
Ion	Ratio	Lower	Upper
45	100		
43	59.4	44.0	66.0
87	26.2	20.6	31.0
59	12.7	8.8	13.2





#23

Vinyl Acetate

Concen: 98.07 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 43 Resp: 464968

Ion Ratio Lower Upper

43 100

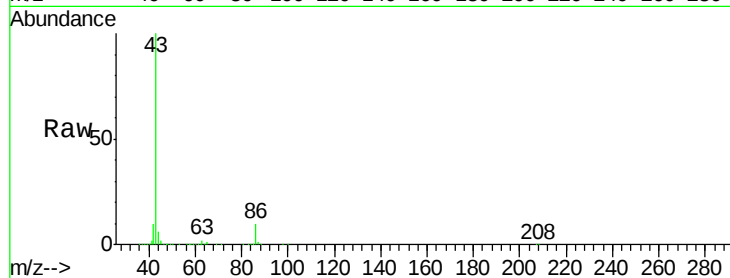
86 9.6 7.5 11.3

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

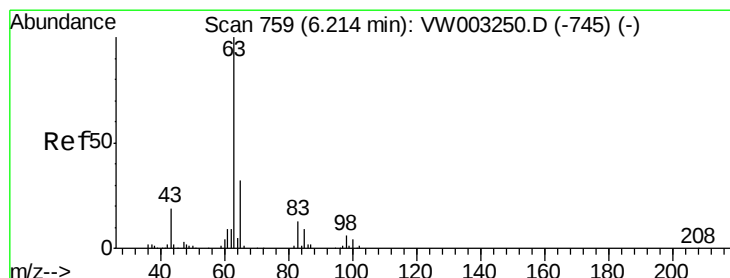
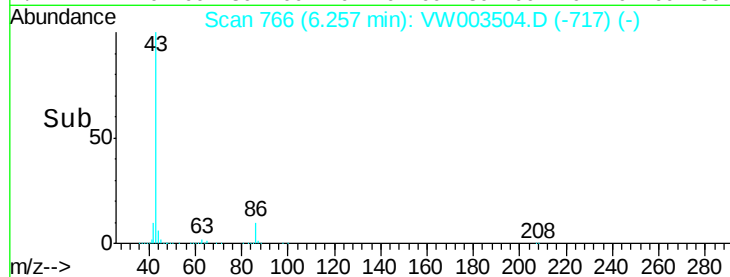
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.65 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

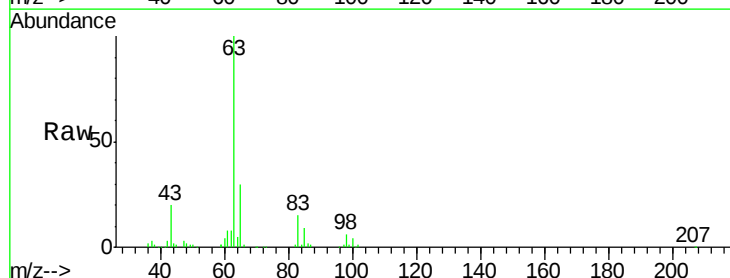
Tgt Ion: 63 Resp: 100852

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.3

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

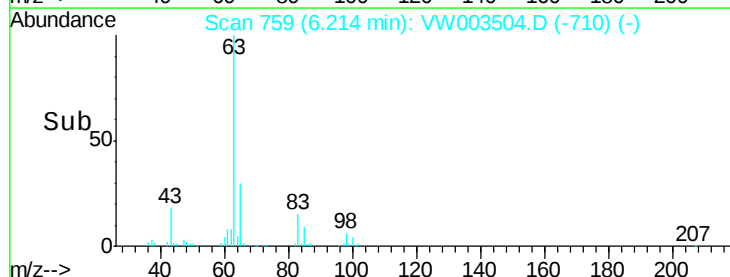
30000

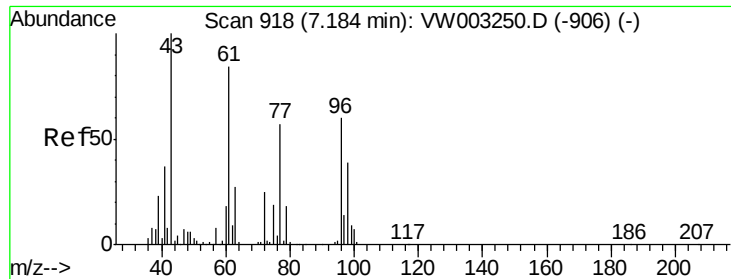
20000

10000

0

Time-->





#25

2-Butanone

Concen: 100.23 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 43 Resp: 73808

Ion Ratio Lower Upper

43 100

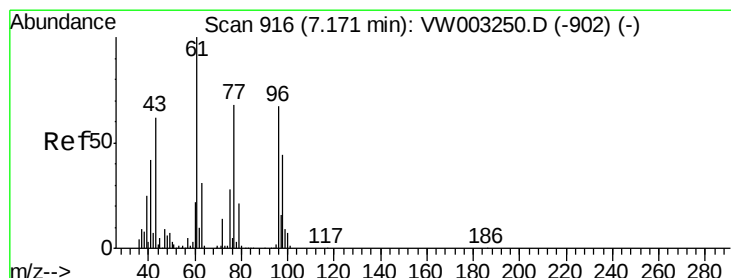
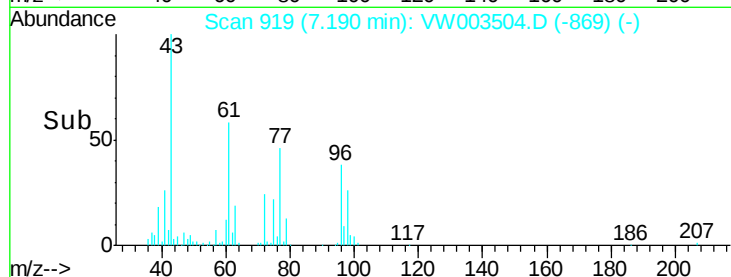
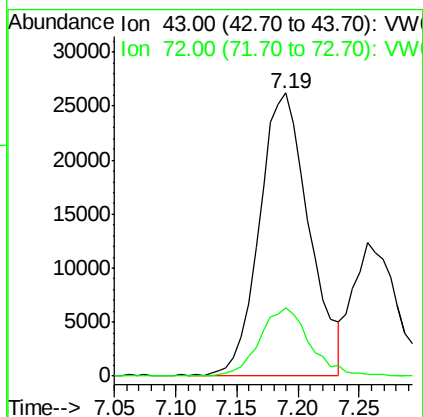
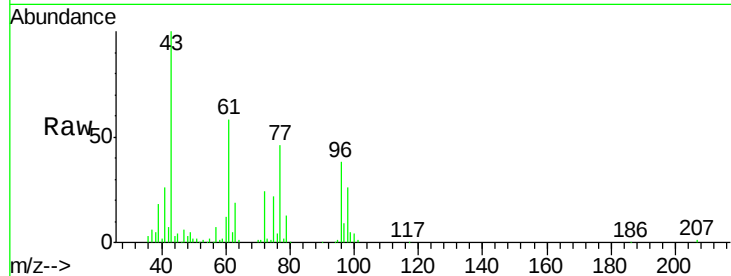
72 24.1 20.3 30.5

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#26

2,2-Dichloropropane

Concen: 20.85 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003504.D

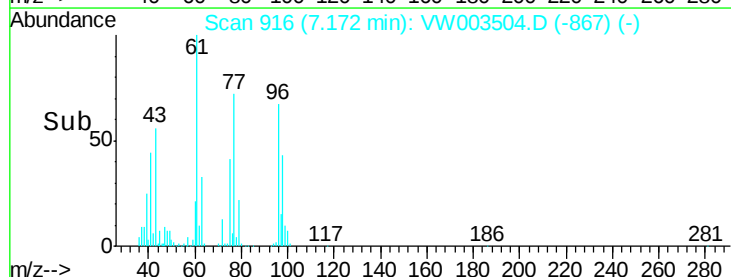
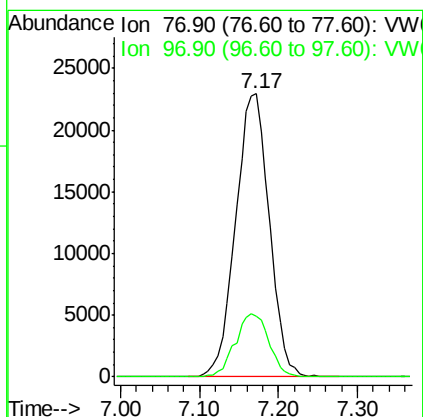
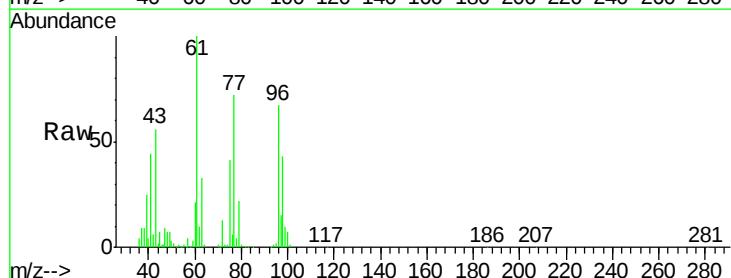
Acq: 24 Jun 2018 12:28

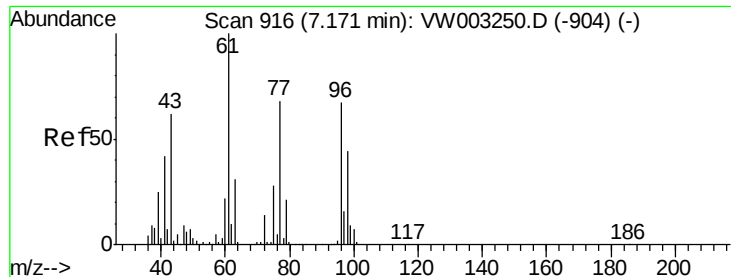
Tgt Ion: 77 Resp: 67966

Ion Ratio Lower Upper

77 100

97 22.3 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.42 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

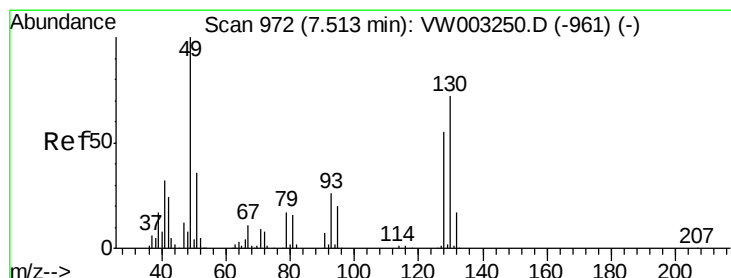
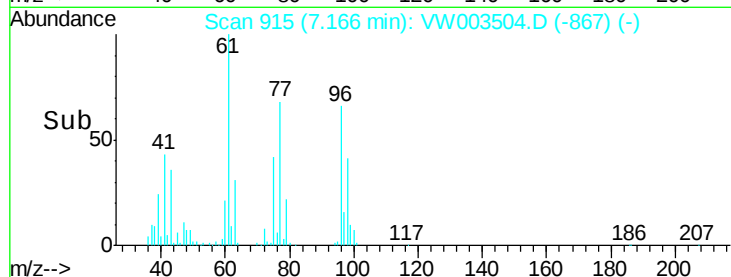
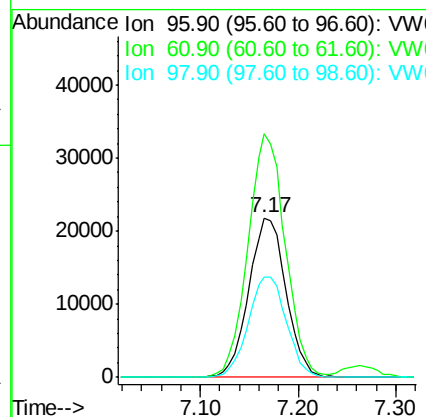
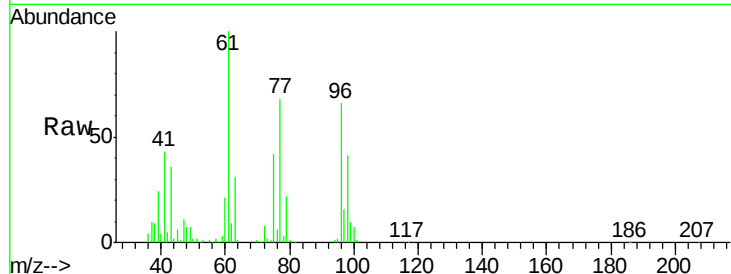
ClientSampleId :

VW0624SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.6	0.0	298.8
98	64.7	0.0	130.4

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#28

Bromochloromethane

Concen: 18.63 ug/l

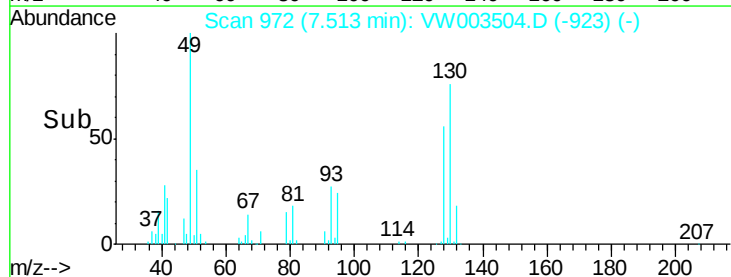
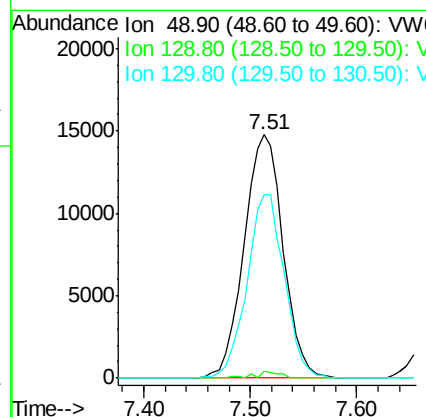
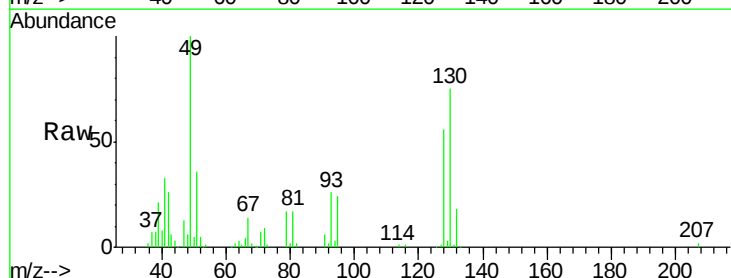
RT: 7.51 min Scan# 972

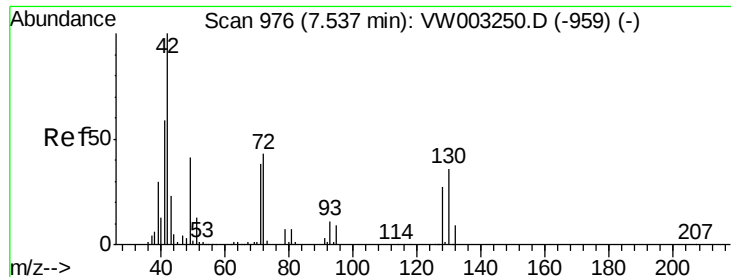
Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	72.5	59.4	89.2





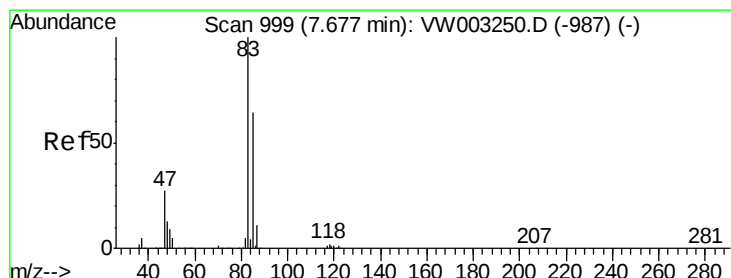
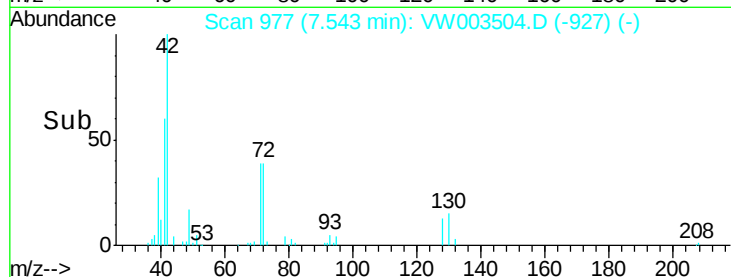
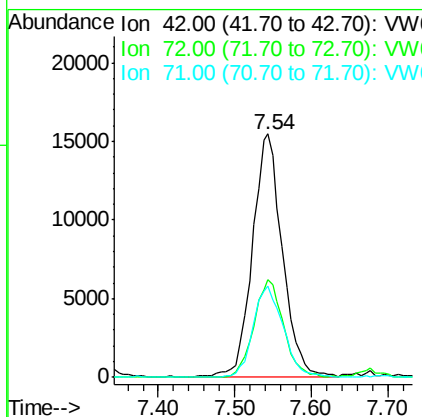
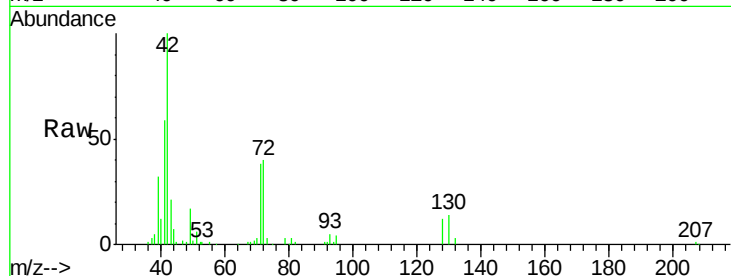
#29
Tetrahydrofuran
Concen: 94.29 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	32.4	48.6
71	37.5	31.2	46.8

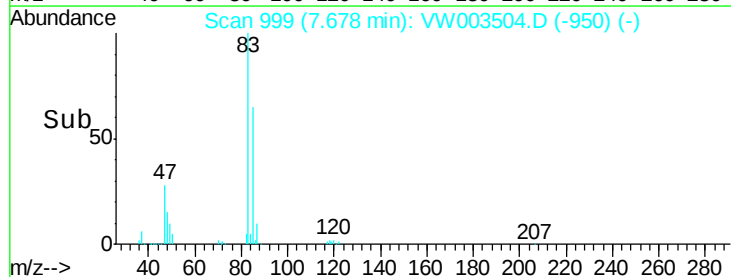
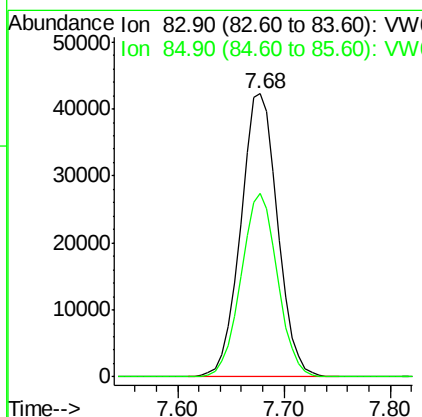
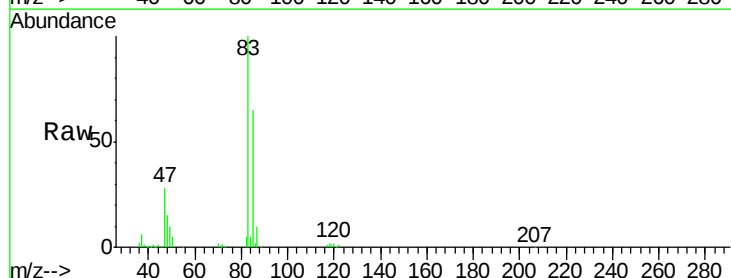
Manual Integrations
APPROVED

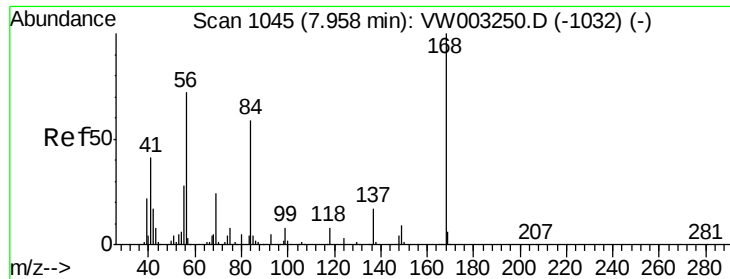
apatel
6/26/2018 12:28:23 PM



#30
Chloroform
Concen: 20.63 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.3	76.9





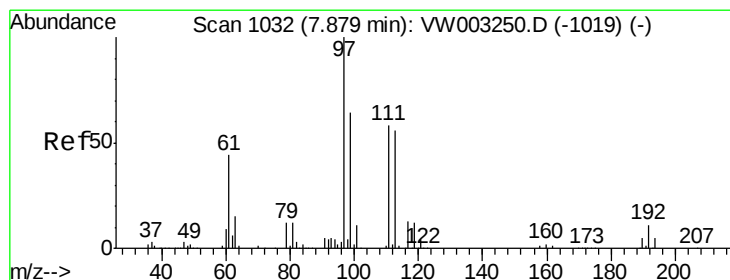
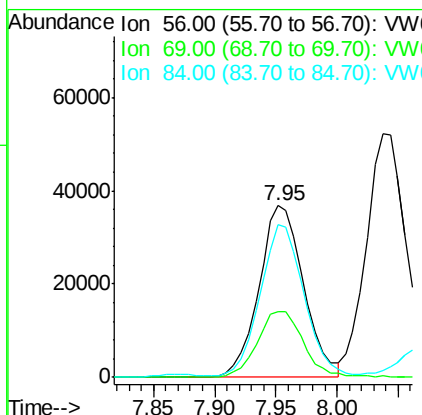
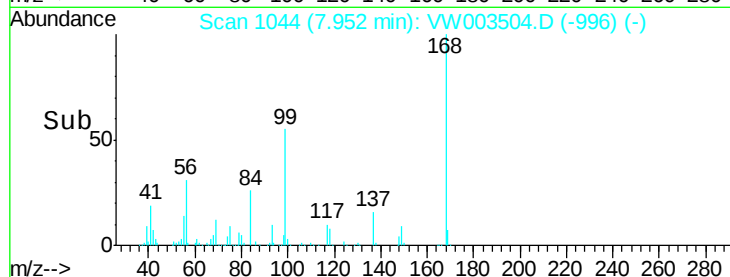
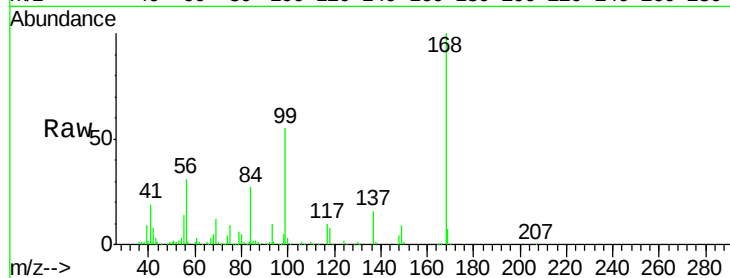
#31
Cyclohexane
Concen: 20.50 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.3	39.5
84	86.8	65.7	98.5

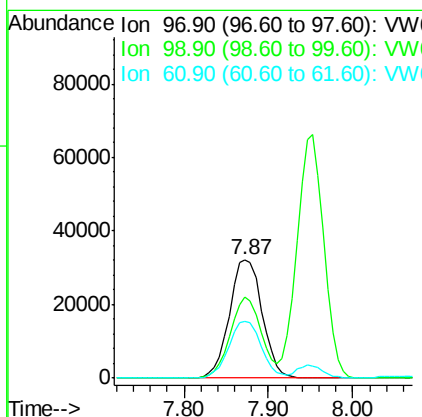
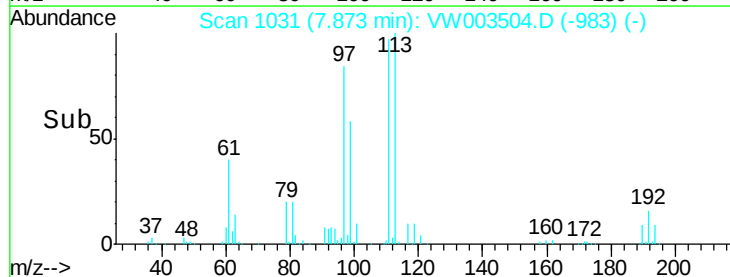
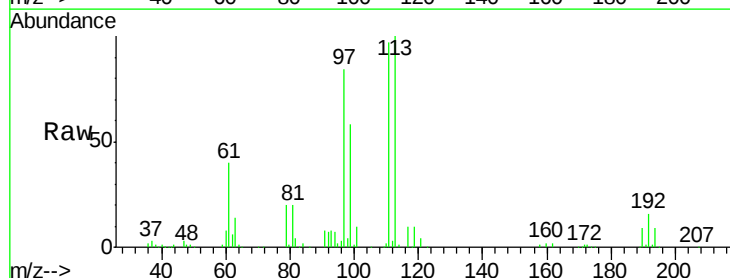
Manual Integrations
APPROVED

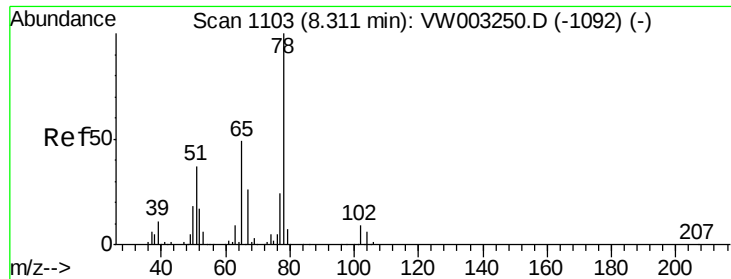
apatel
6/26/2018 12:28:23 PM



#32
1,1,1-Trichloroethane
Concen: 20.58 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	47.9	37.6	56.4





#33

1,2-Dichloroethane-d4

Concen: 49.54 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 65 Resp: 139894

Ion Ratio Lower Upper

65 100

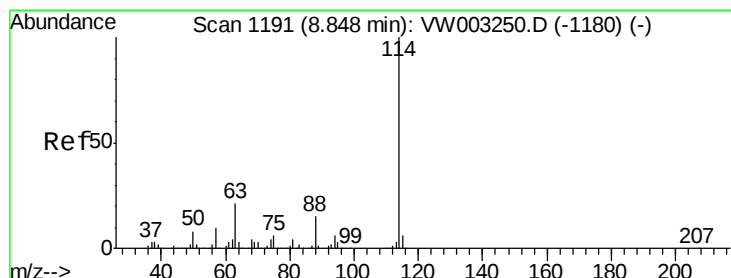
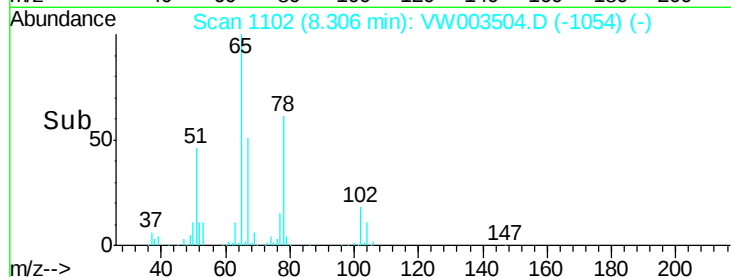
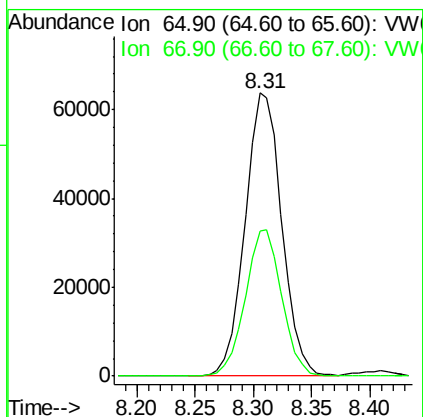
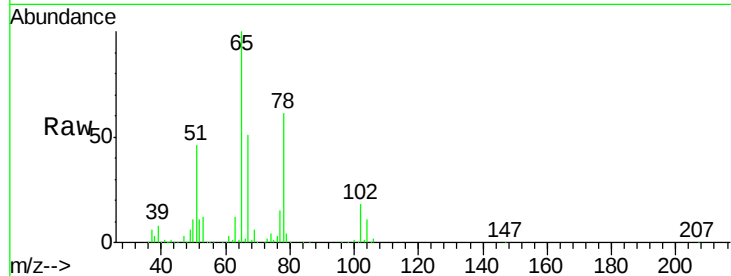
67 51.7 0.0 104.2

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

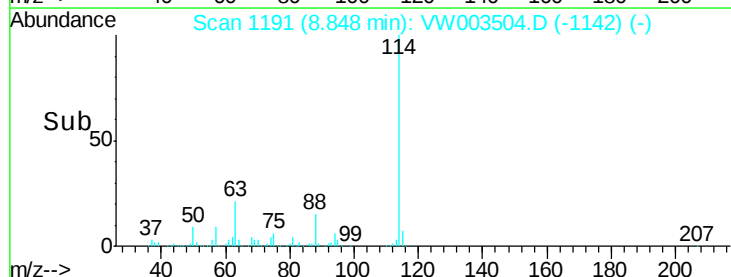
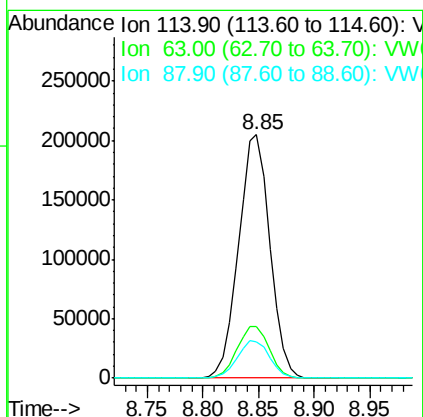
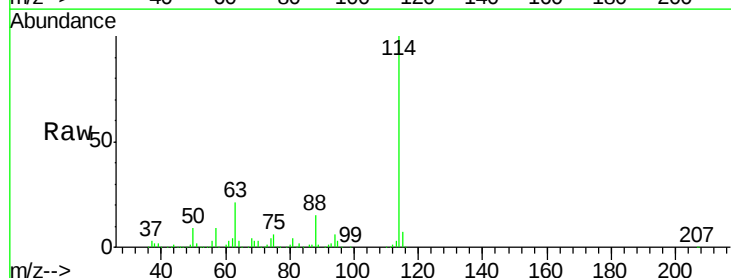
Tgt Ion: 114 Resp: 399419

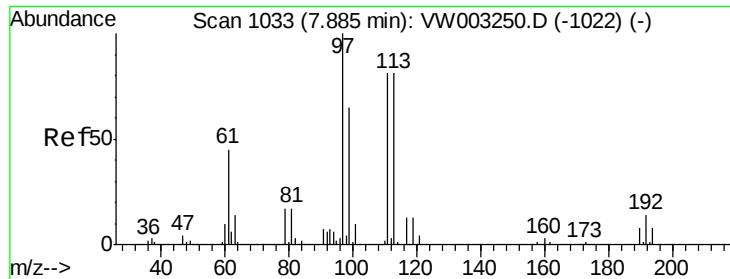
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.0

88 15.1 0.0 29.6





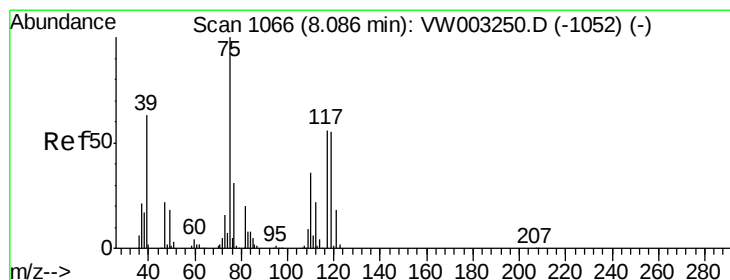
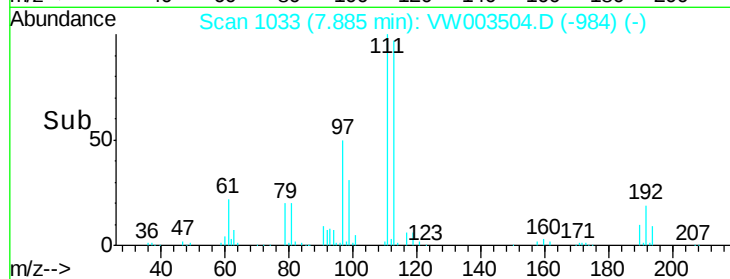
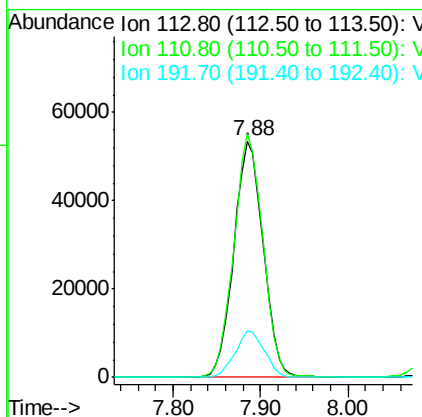
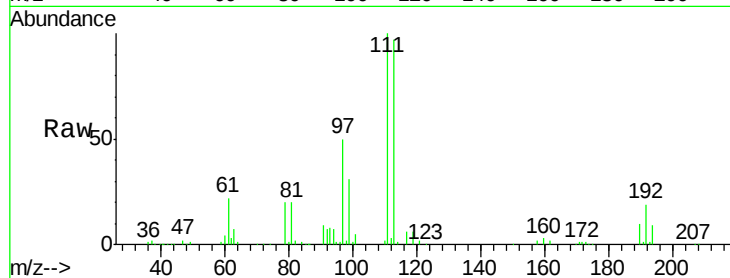
#35
Dibromofluoromethane
Concen: 50.29 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.0	82.2	123.2	
192	19.8	16.2	24.2	

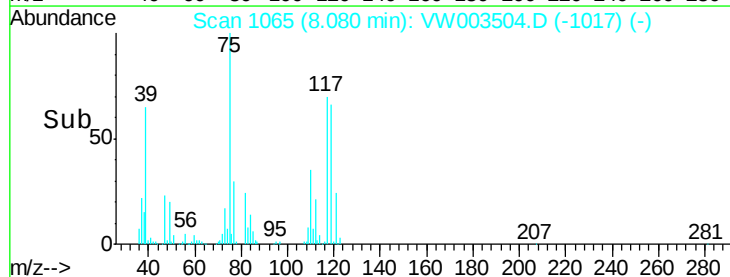
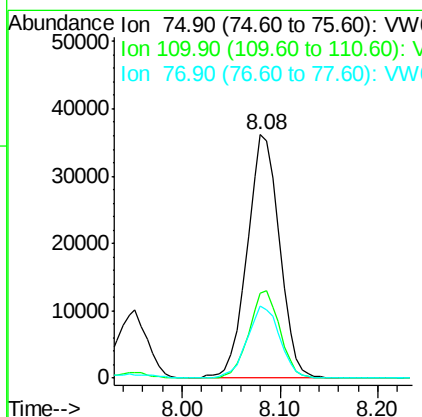
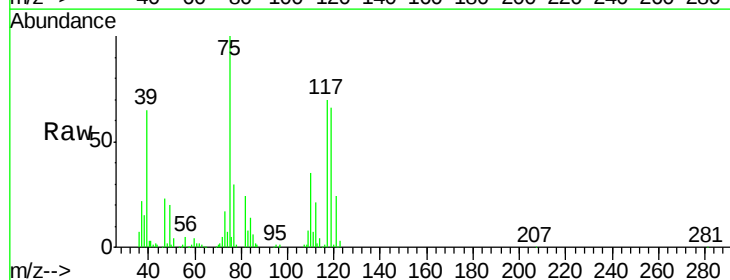
Manual Integrations
APPROVED

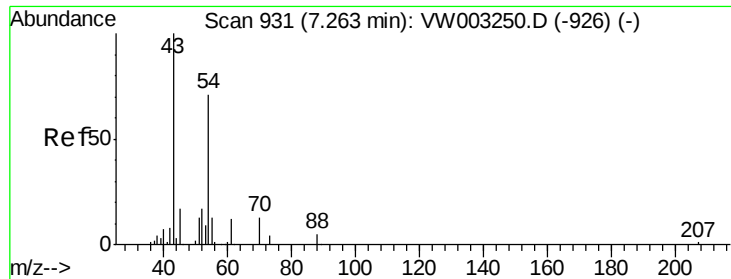
apatel
6/26/2018 12:28:23 PM



#36
1,1-Dichloropropene
Concen: 21.39 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.3	17.1	51.3	
77	30.1	24.9	37.3	





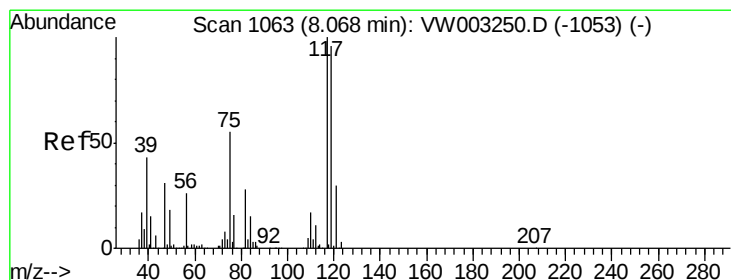
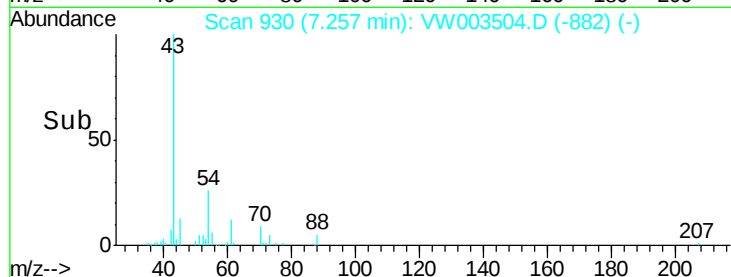
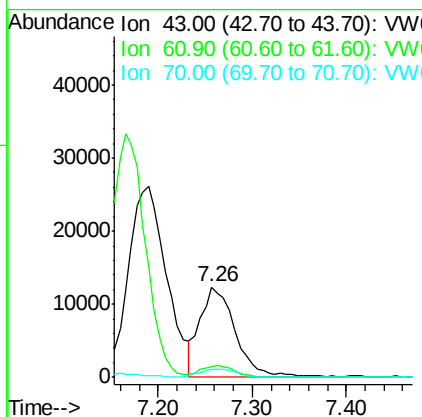
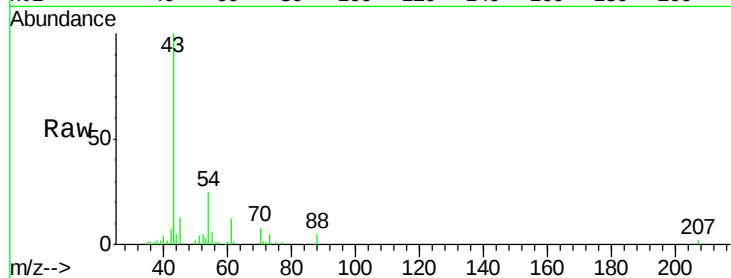
#37
Ethyl Acetate
Concen: 19.74 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.8	16.2
70	9.6	7.8	11.6

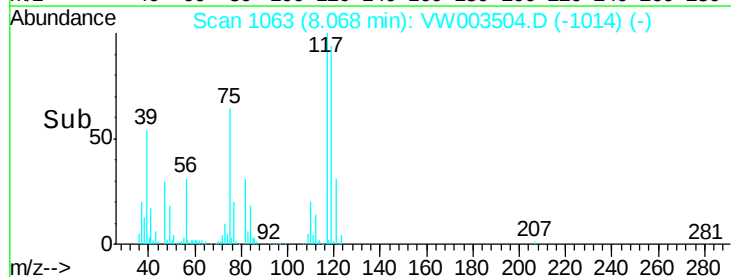
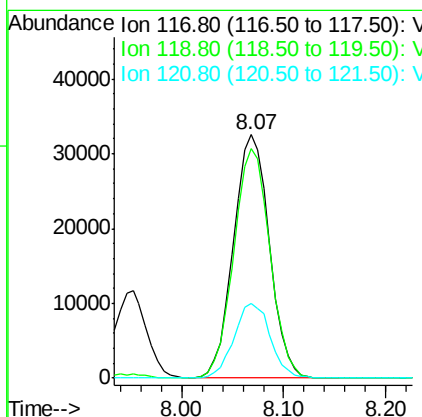
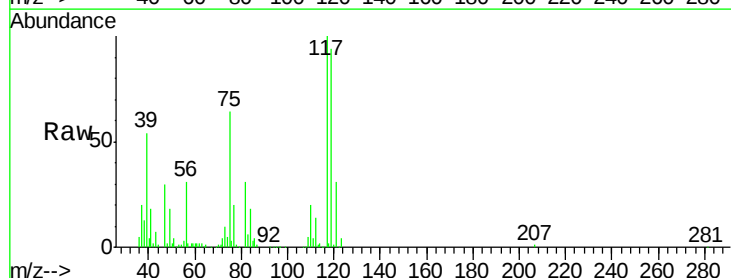
Manual Integrations
APPROVED

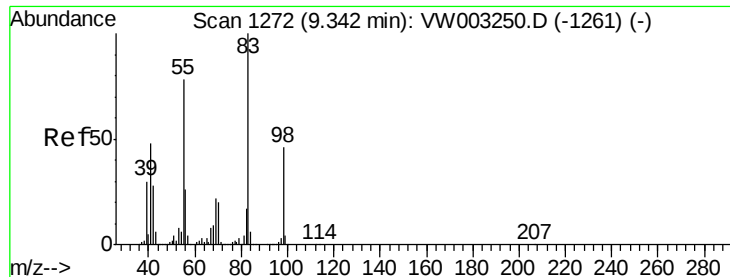
apatel
6/26/2018 12:28:23 PM



#38
Carbon Tetrachloride
Concen: 20.99 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.6	115.0
121	30.7	23.9	35.9





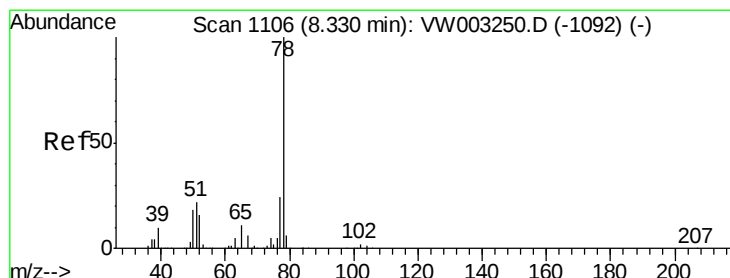
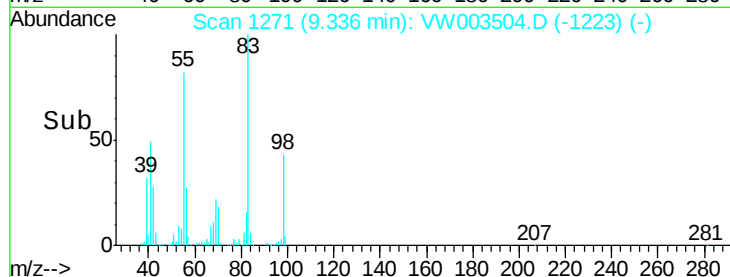
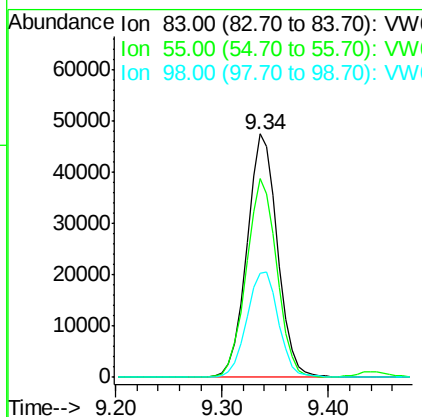
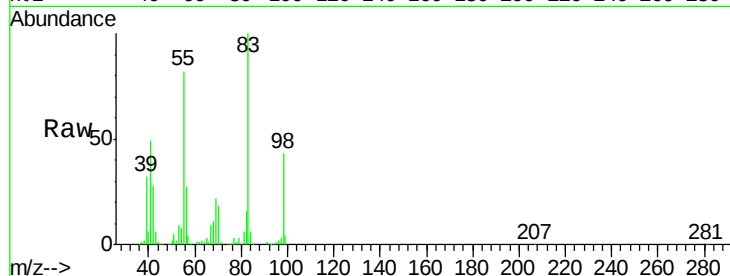
#39
Methvlcvclohexane
Concen: 21.40 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.5	62.6	93.8
98	42.9	37.0	55.4

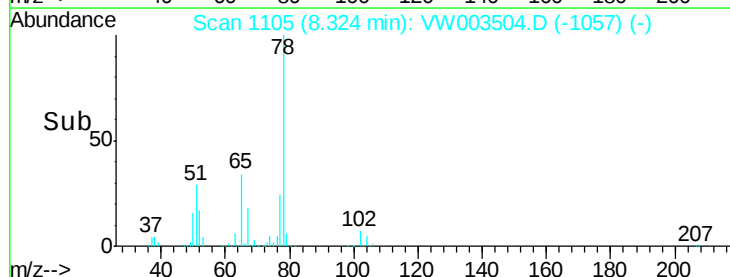
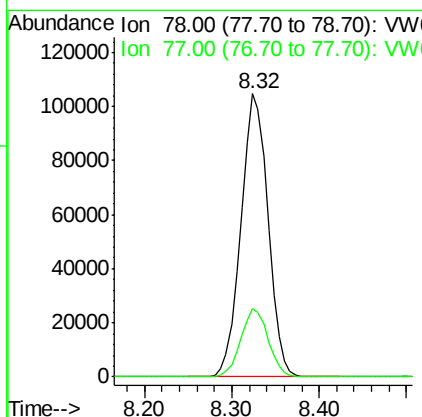
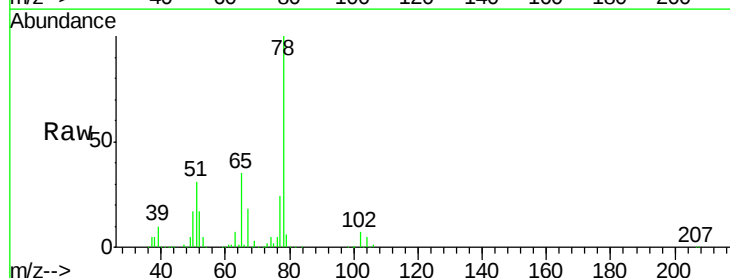
Manual Integrations
APPROVED

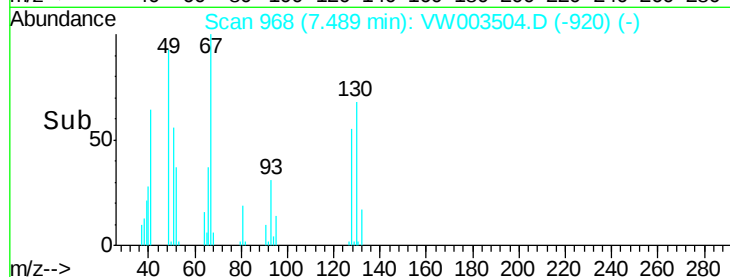
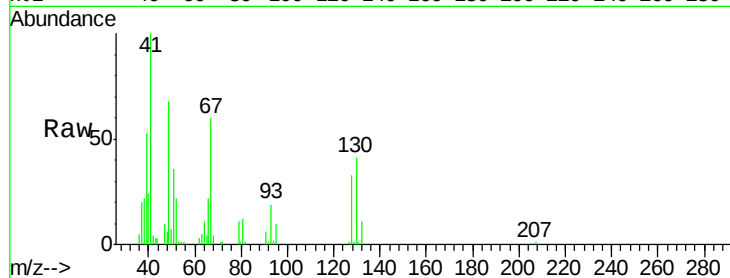
apatel
6/26/2018 12:28:23 PM



#40
Benzene
Concen: 21.18 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





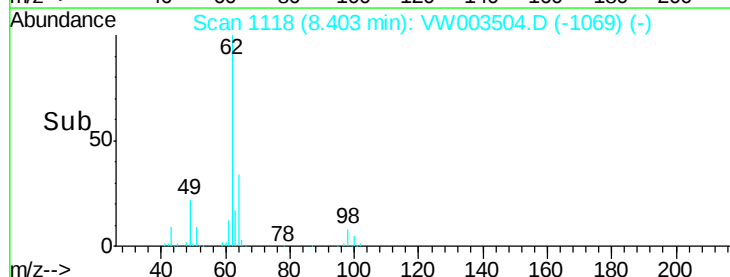
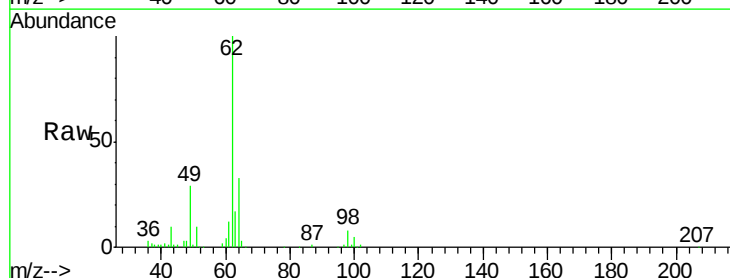
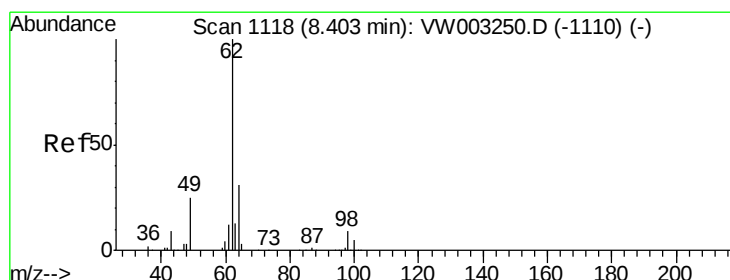
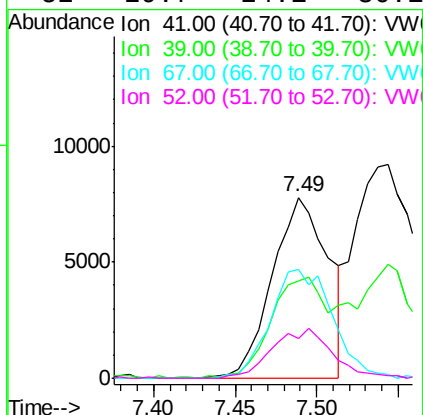
#41
Methacrylonitrile
Concen: 18.90 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tot Ion	41	Resp	18537
Ion Ratio	Lower	Upper	
41	100		
39	59.4	45.8	68.8
67	66.9	52.3	78.5
52	29.7	24.1	36.1

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

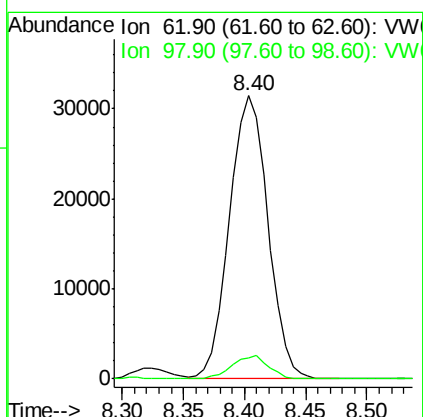
Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#42
1,2-Dichloroethane
Concen: 20.65 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	62	Resp	68804
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.72 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

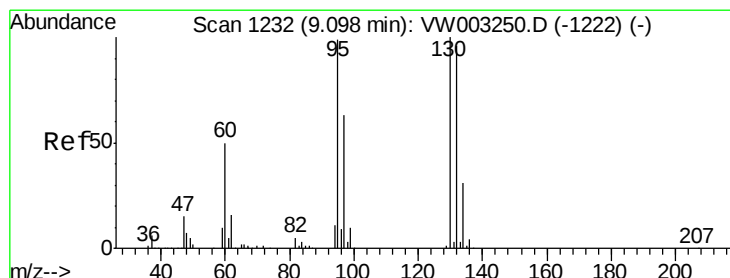
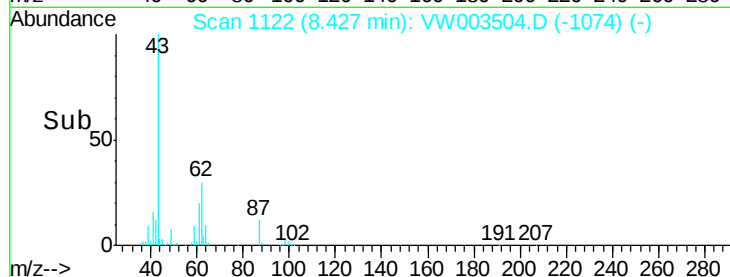
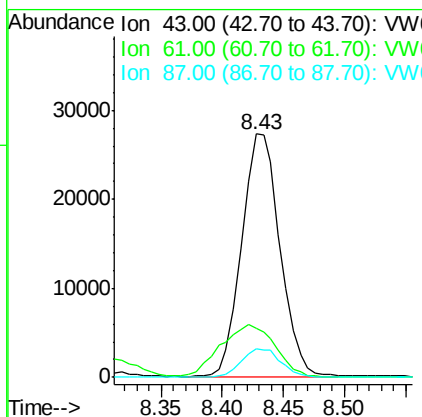
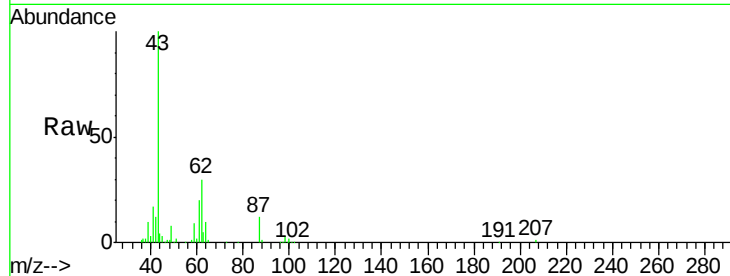
ClientSampleId :

VW0624SBS01

Tot Ion:	43	Resp:	59406
Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.1	34.7
87	12.1	9.8	14.6

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#44

Trichloroethene

Concen: 20.84 ug/l

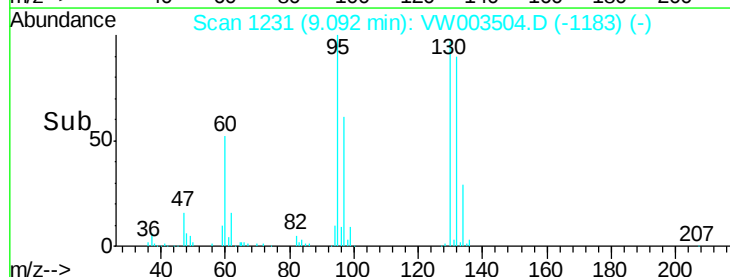
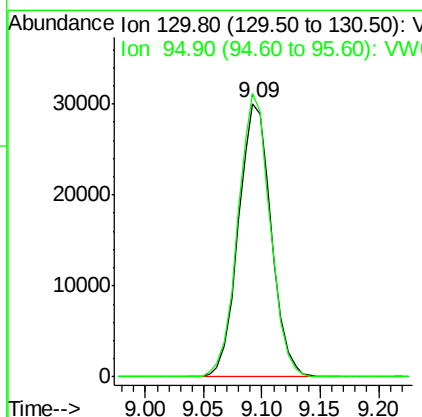
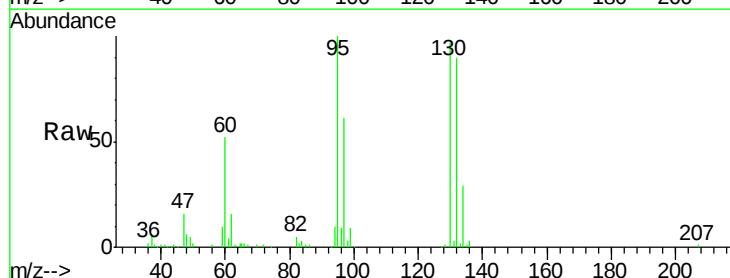
RT: 9.09 min Scan# 1231

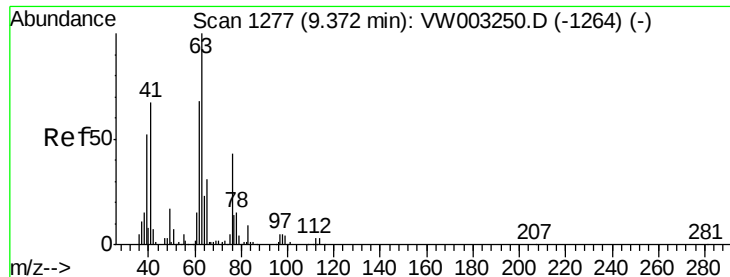
Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion:	130	Resp:	58726
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	198.0





#45

1,2-Dichloropropane

Concen: 21.02 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 63 Resp: 56896

Ion Ratio Lower Upper

63 100

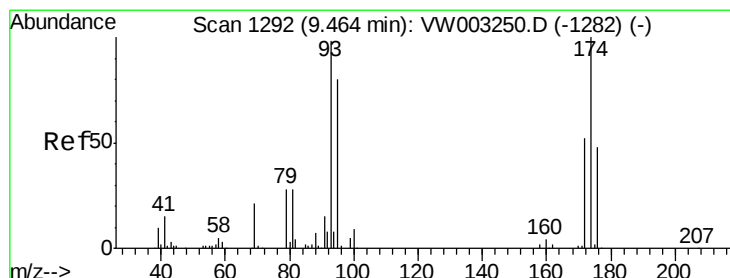
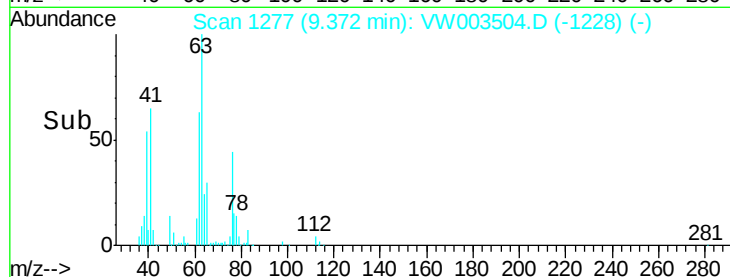
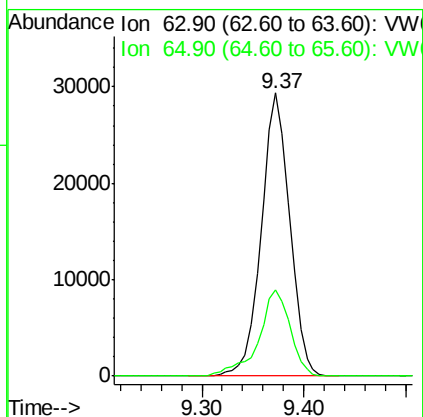
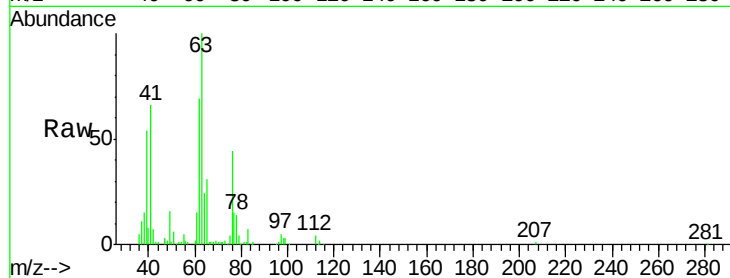
65 30.6 25.1 37.7

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#46

Dibromomethane

Concen: 20.05 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

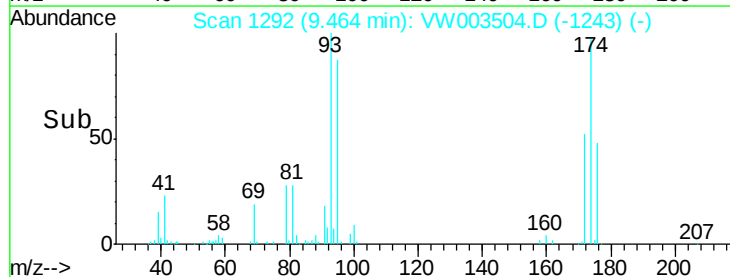
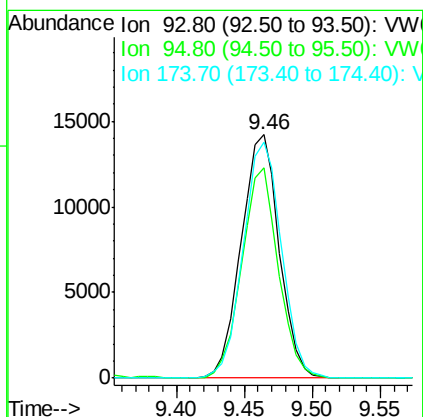
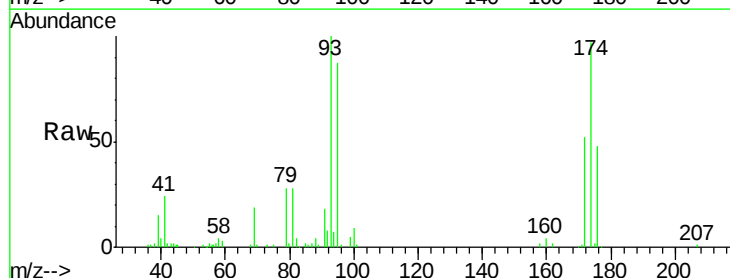
Tgt Ion: 93 Resp: 27789

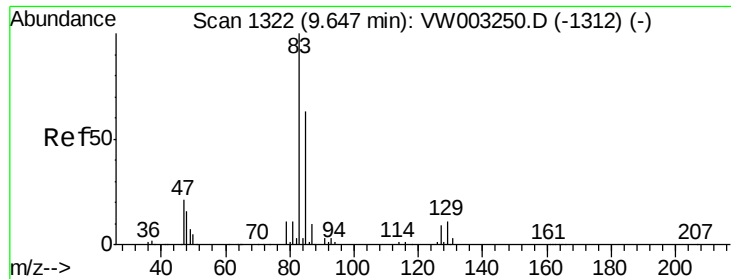
Ion Ratio Lower Upper

93 100

95 82.8 65.8 98.8

174 97.5 81.4 122.0





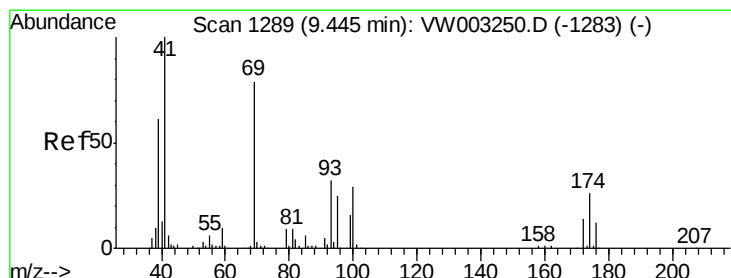
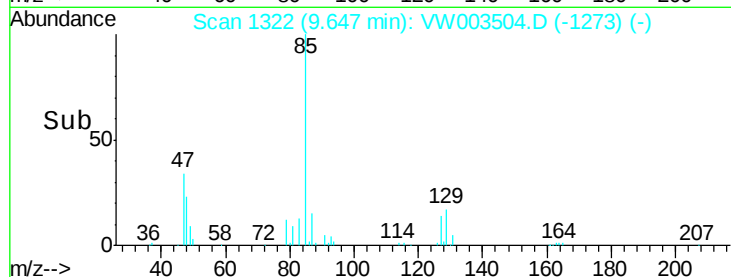
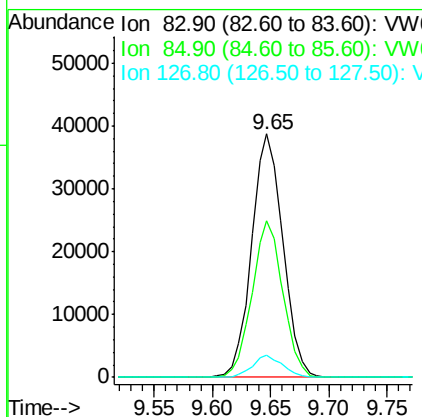
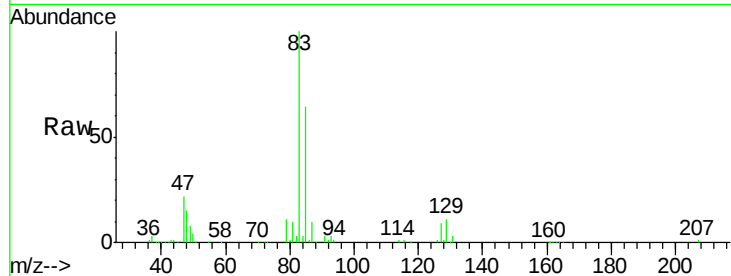
#47
Bromodichloromethane
Concen: 20.42 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	83	Resp	72533
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	50.6	75.8
127	9.2	6.8	10.2

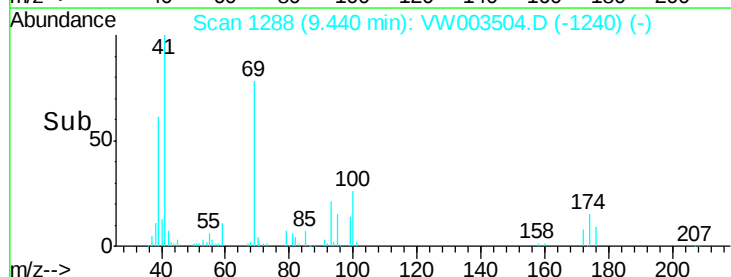
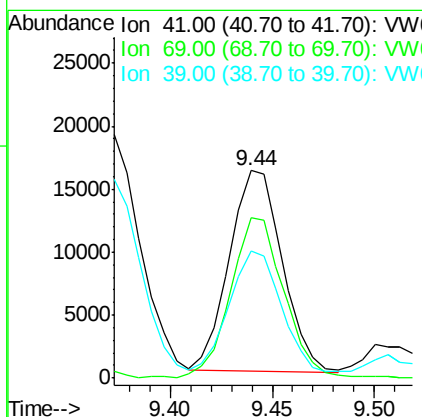
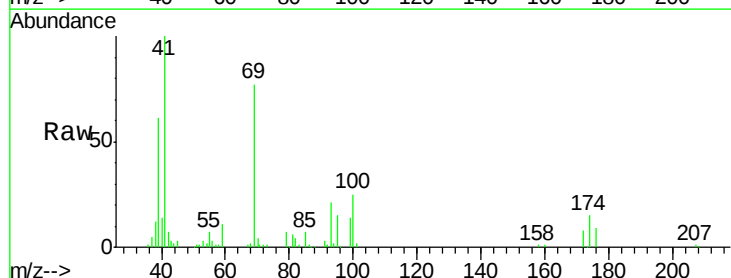
Manual Integrations
APPROVED

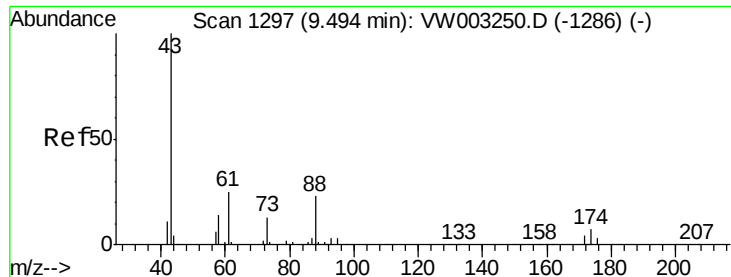
apatel
6/26/2018 12:28:23 PM



#48
Methyl methacrylate
Concen: 19.38 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	41	Resp	28897
Ion Ratio	100	Lower	Upper
41	100		
69	80.8	65.4	98.2
39	64.9	54.2	81.2





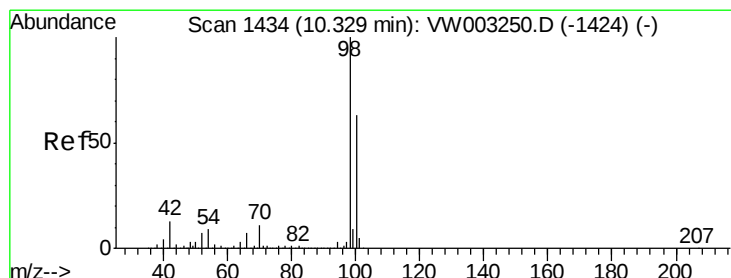
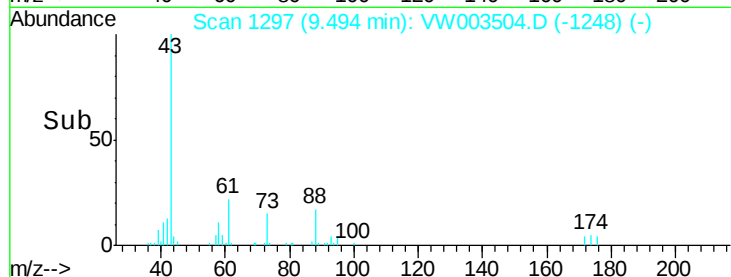
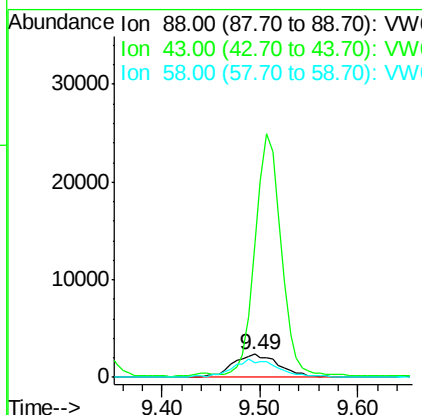
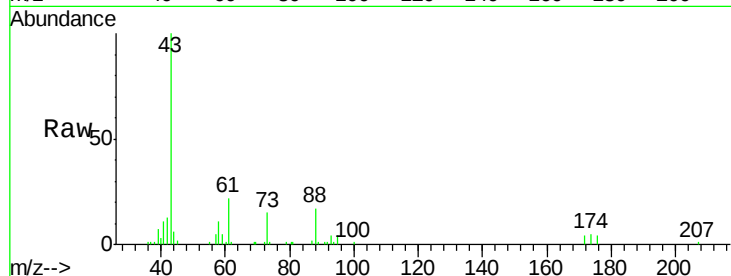
#49
1,4-Dioxane
Concen: 371.86 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	595.8	454.7	682.1
58	76.0	58.6	88.0

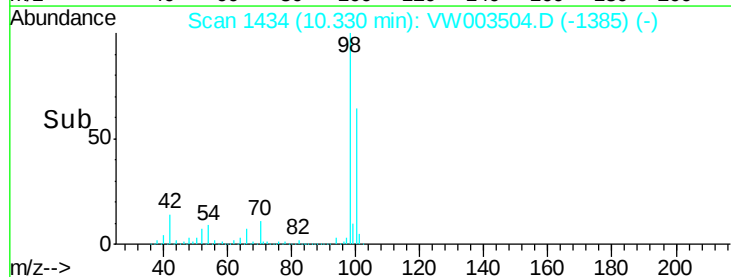
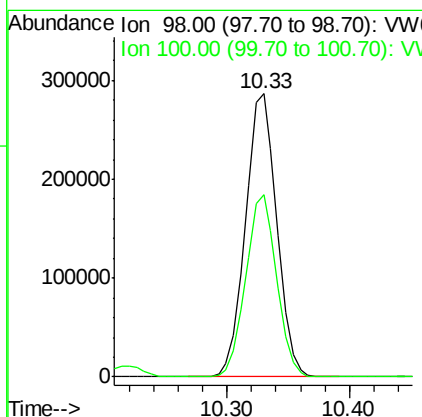
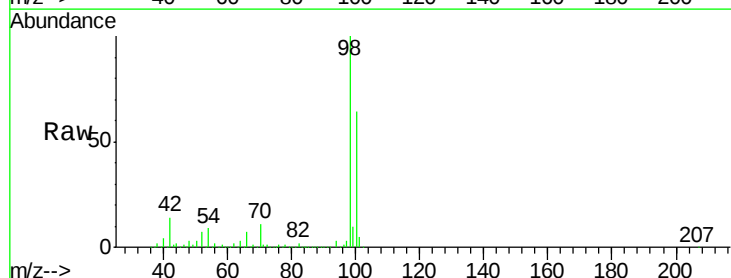
Manual Integrations
APPROVED

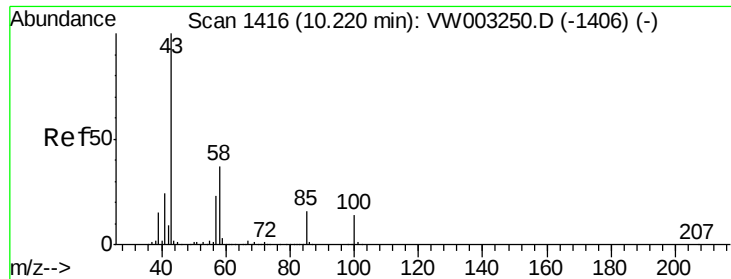
apatel
6/26/2018 12:28:23 PM



#50
Toluene-d8
Concen: 51.78 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 96.23 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 43 Resp: 155592

Ion Ratio Lower Upper

43 100

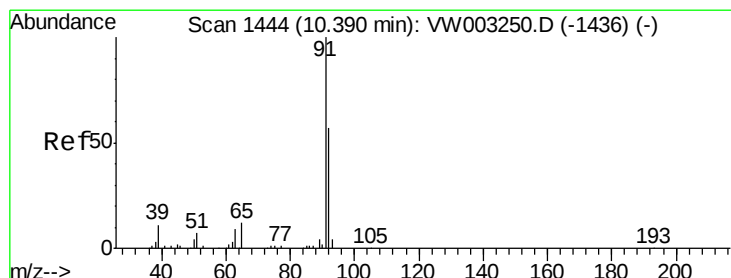
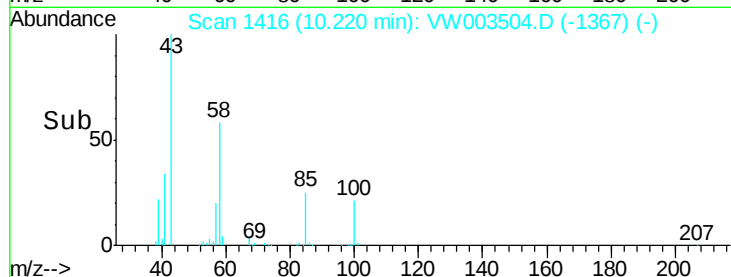
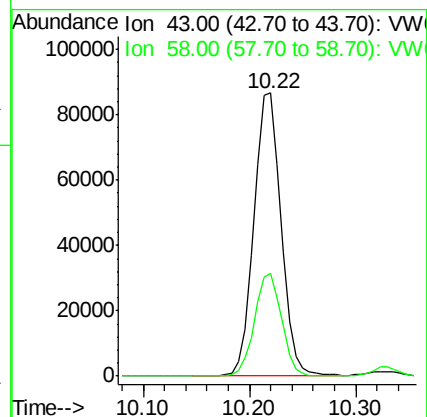
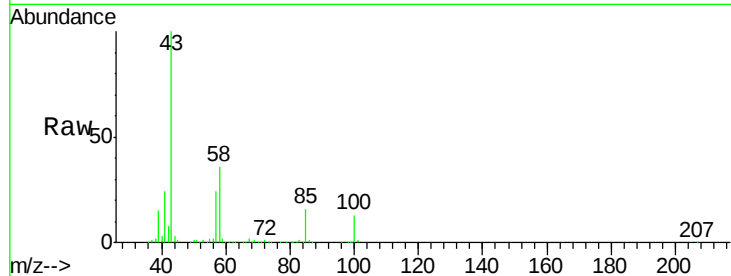
58 36.2 29.0 43.4

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#52

Toluene

Concen: 20.85 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003504.D

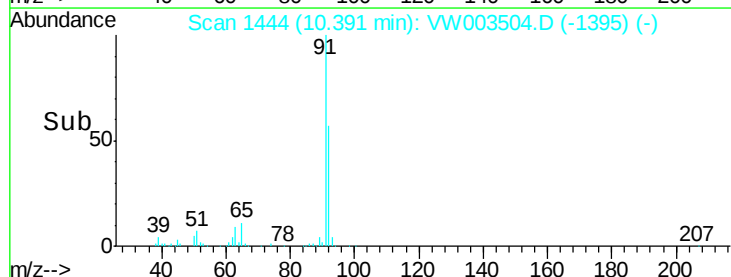
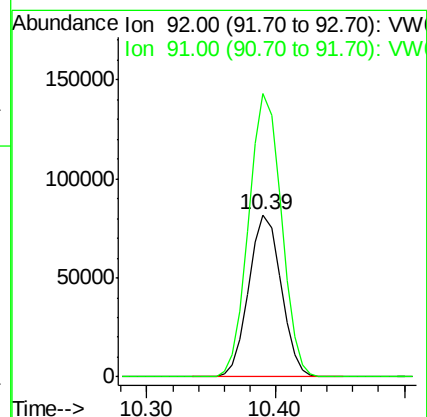
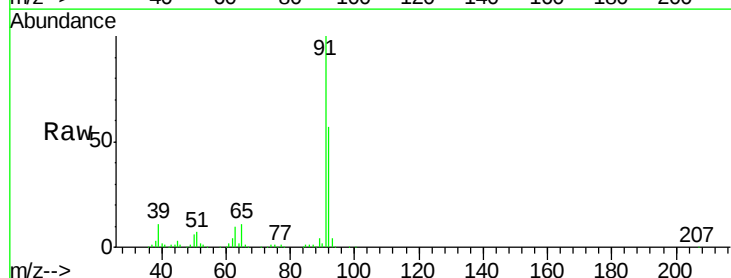
Acq: 24 Jun 2018 12:28

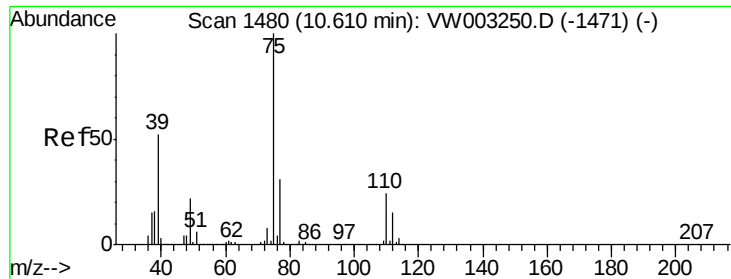
Tgt Ion: 92 Resp: 142182

Ion Ratio Lower Upper

92 100

91 176.3 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 19.77 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 75 Resp: 71746

Ion Ratio Lower Upper

75 100

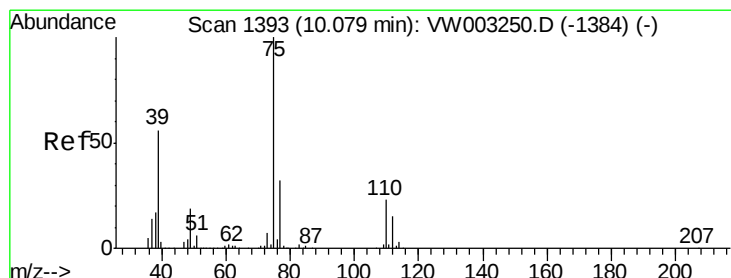
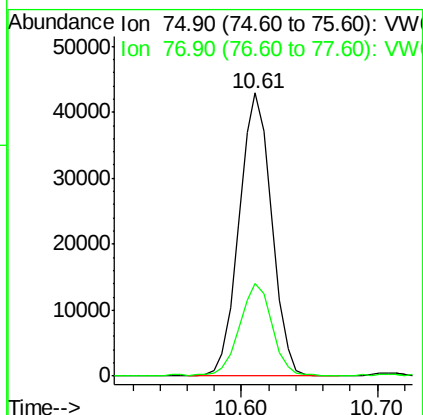
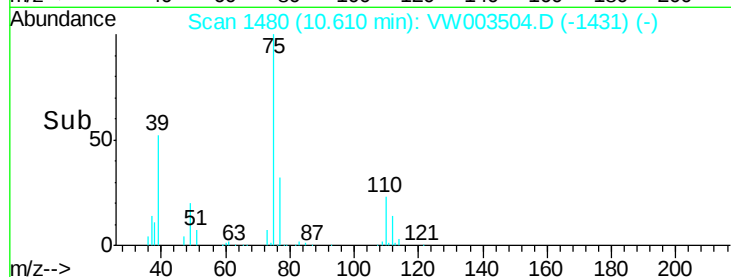
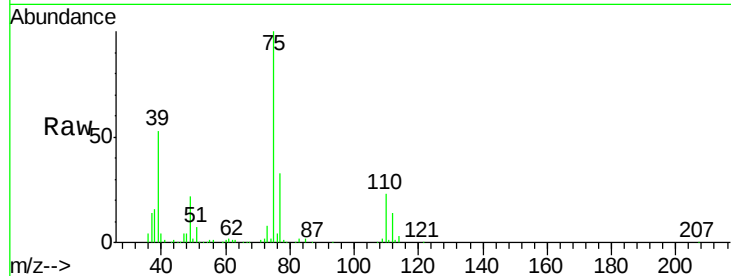
77 32.3 24.9 37.3

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#54

cis-1,3-Dichloropropene

Concen: 20.31 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

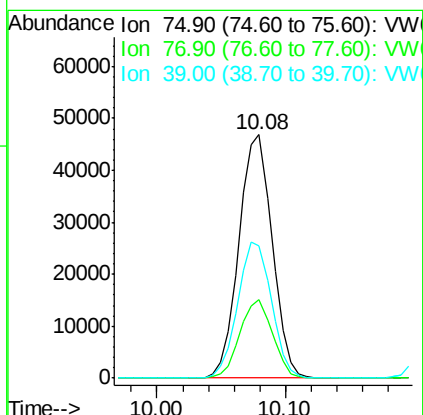
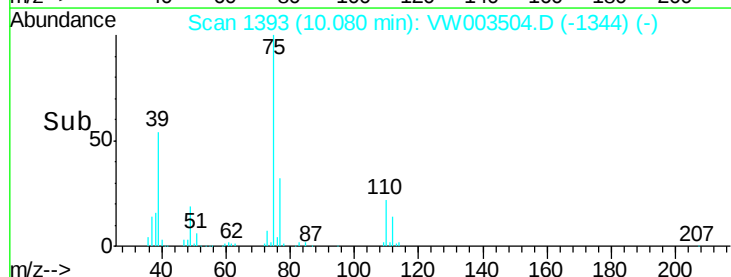
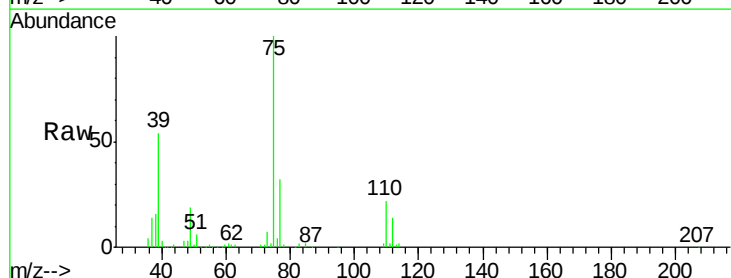
Tgt Ion: 75 Resp: 83877

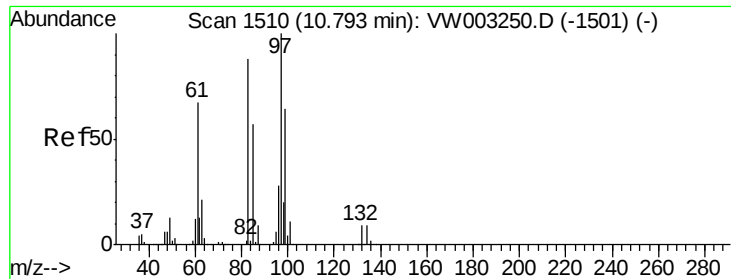
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 54.3 45.2 67.8





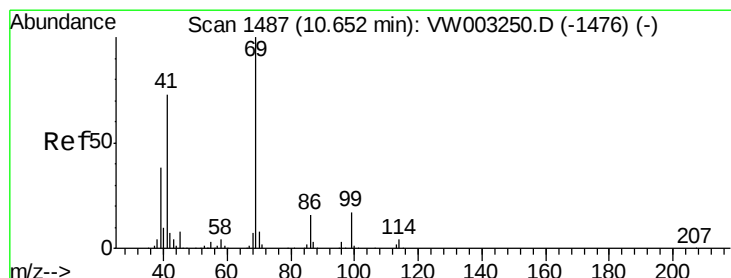
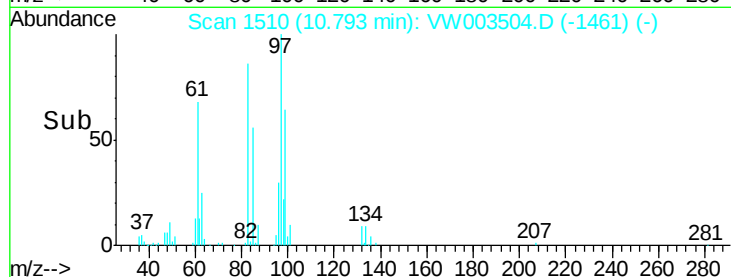
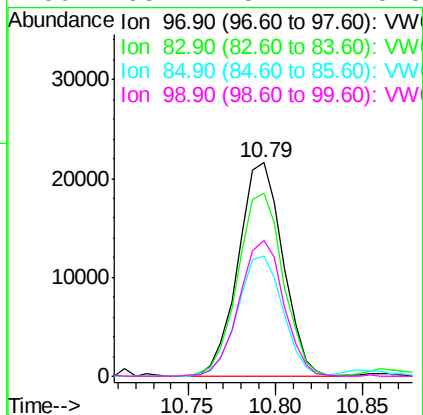
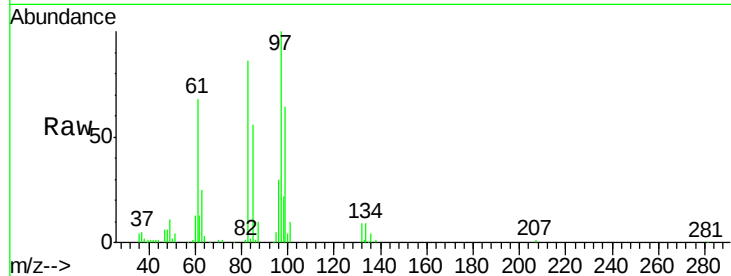
#55
 1,1,2-Trichloroethane
 Concen: 19.68 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		38442		
83	85.4	70.2	105.2		
85	55.9	45.6	68.4		
99	63.7	51.2	76.8		

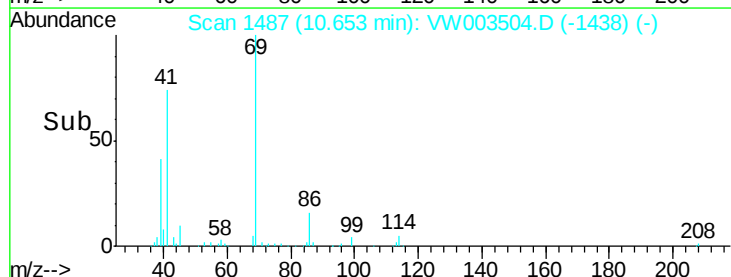
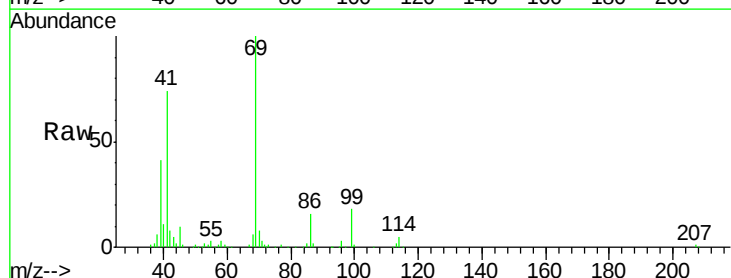
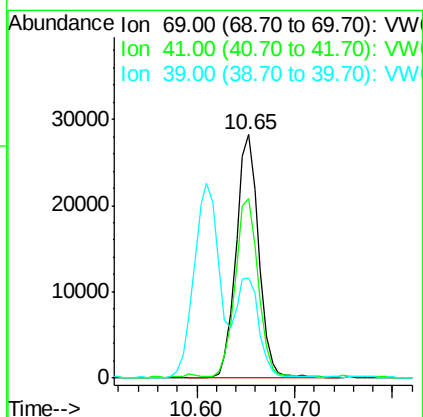
Manual Integrations
 APPROVED

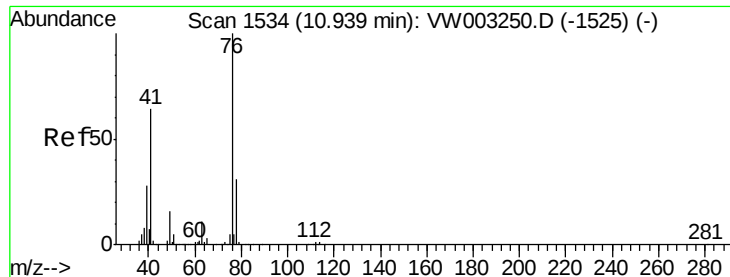
apatel
 6/26/2018 12:28:23 PM



#56
 Ethyl methacrylate
 Concen: 19.17 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		45458		
41	75.0	57.8	86.6		
39	39.0	32.7	49.1		





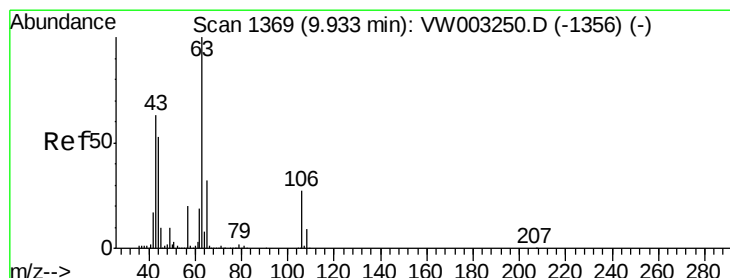
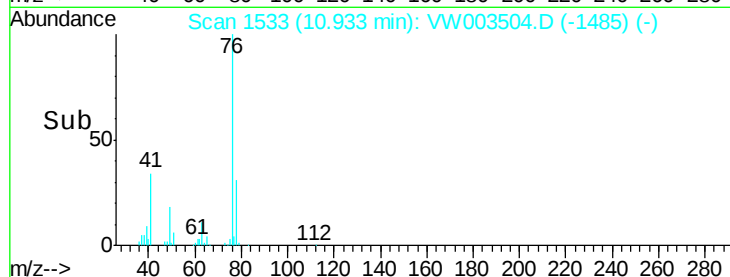
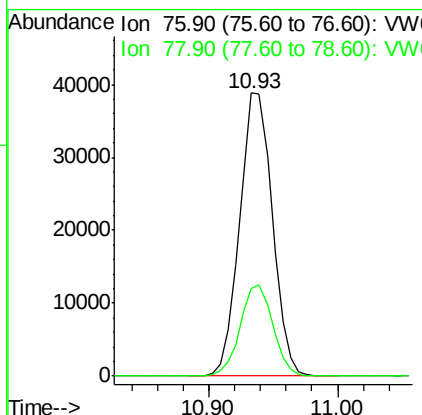
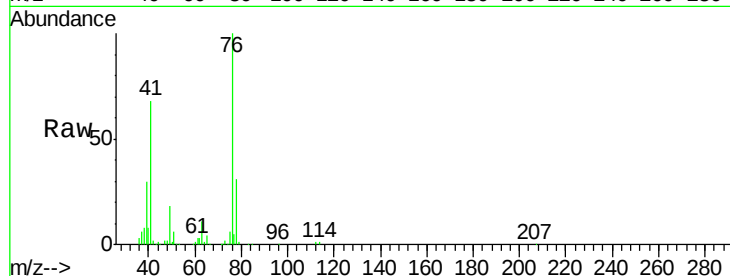
#57
 1,3-Dichloropropane
 Concen: 20.26 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Tot Ion: 76 Resp: 68253
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

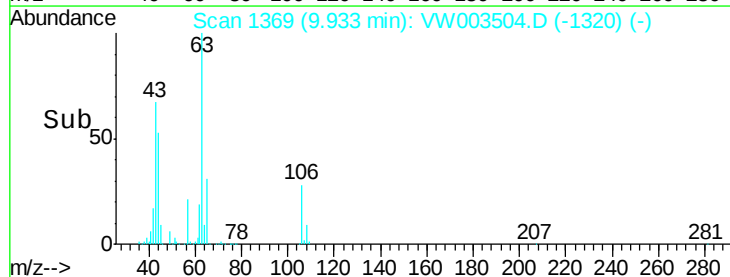
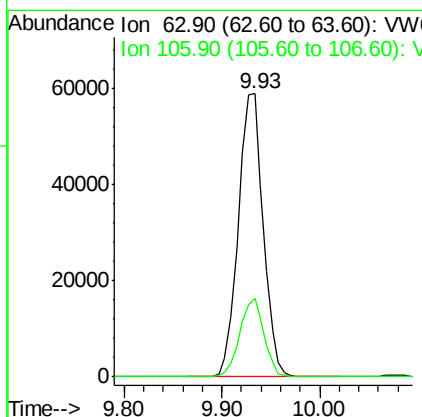
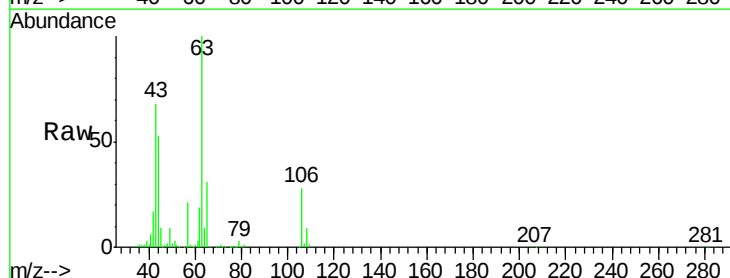
Manual Integrations
 APPROVED

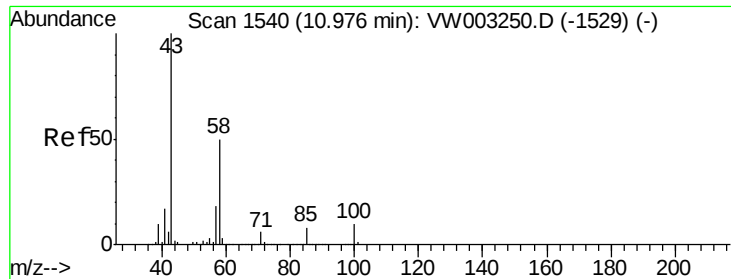
apatel
 6/26/2018 12:28:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.98 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion: 63 Resp: 104170
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.8 32.8





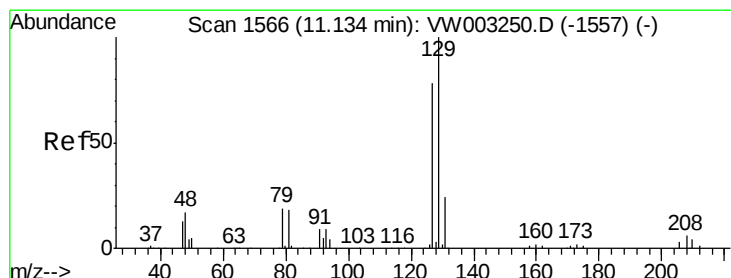
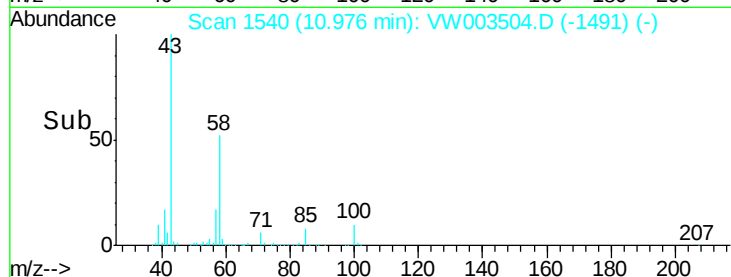
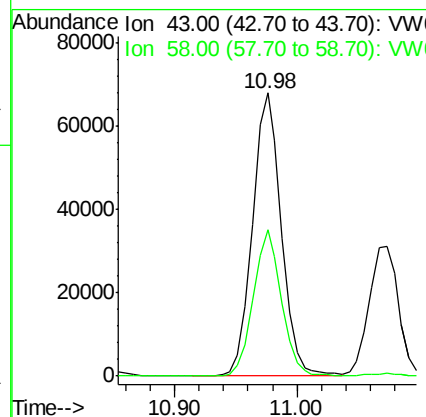
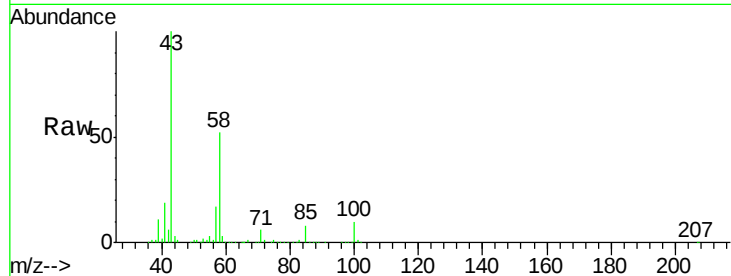
#59
2-Hexanone
Concen: 98.58 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion: 43 Resp: 111347
Ion Ratio Lower Upper
43 100
58 50.5 25.0 75.0

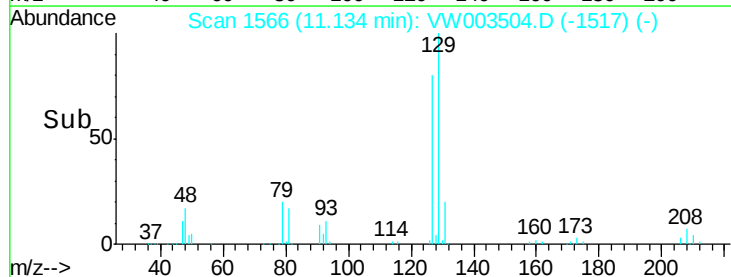
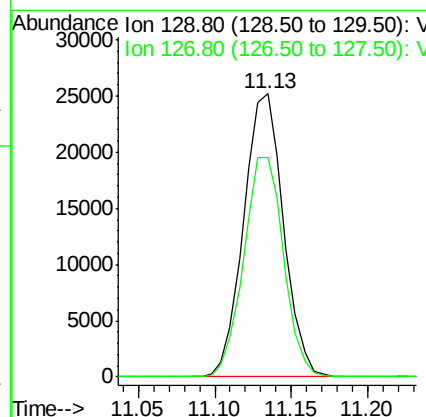
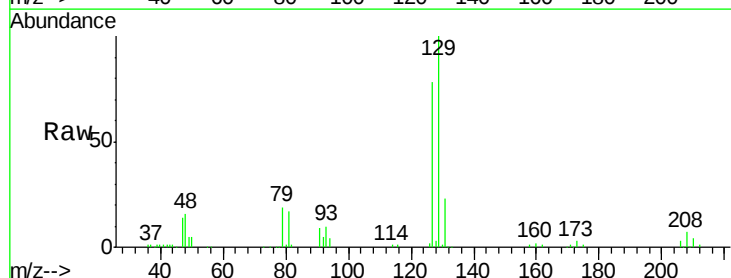
Manual Integrations
APPROVED

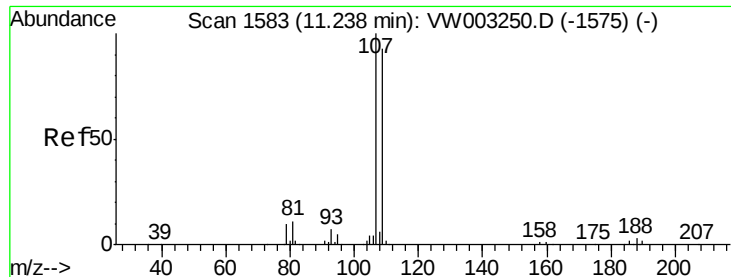
apatel
6/26/2018 12:28:23 PM



#60
Dibromochloromethane
Concen: 19.59 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 129 Resp: 45508
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.5





#61

1,2-Dibromoethane

Concen: 19.56 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion:107 Resp: 36142

Ion Ratio Lower Upper

107 100

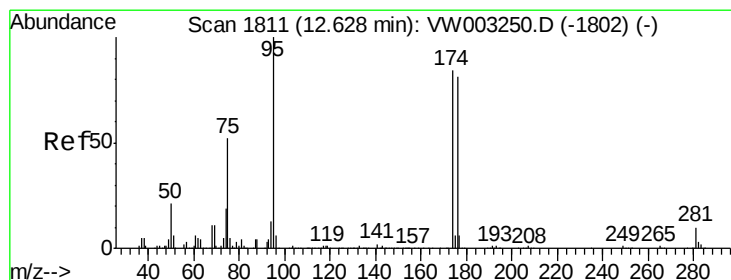
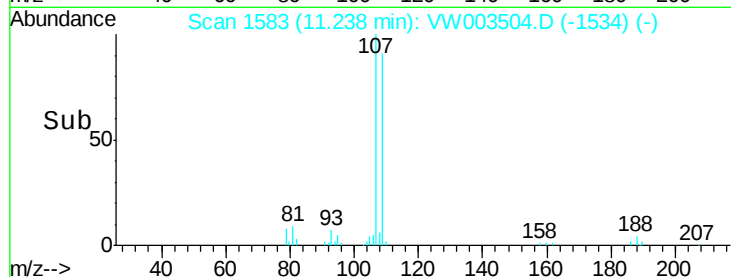
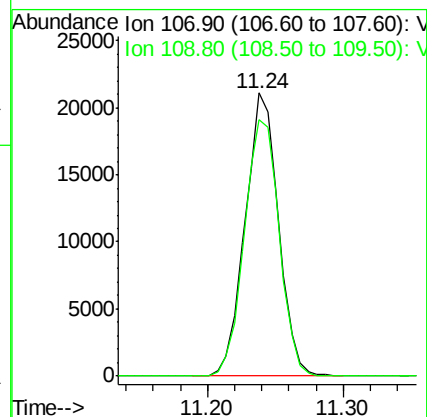
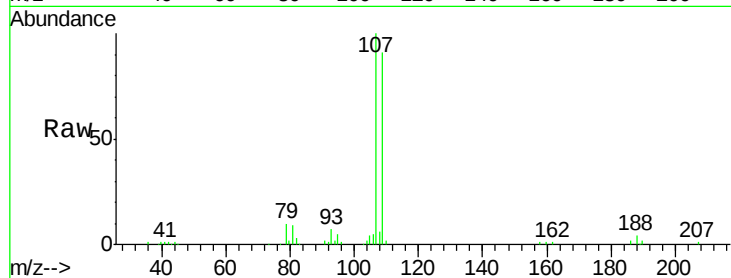
109 94.6 75.8 113.6

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#62

4-Bromofluorobenzene

Concen: 51.41 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

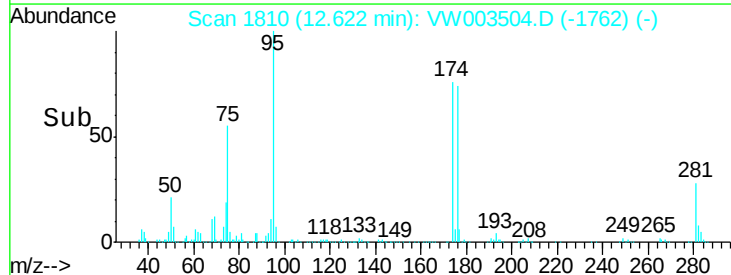
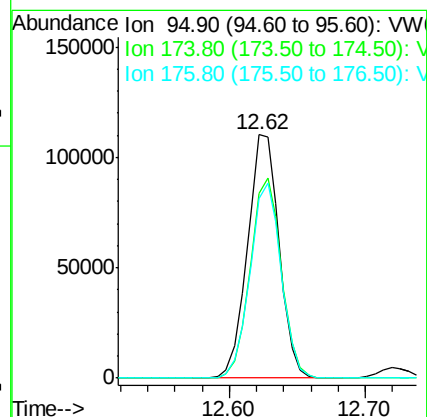
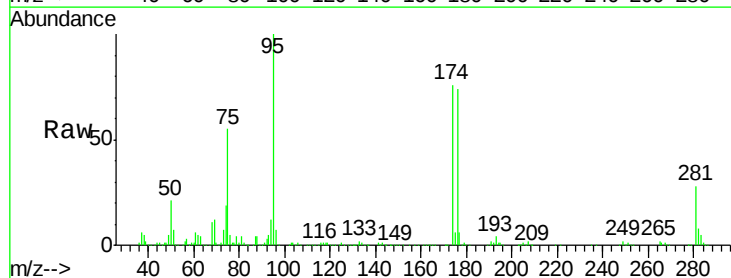
Tgt Ion: 95 Resp: 179034

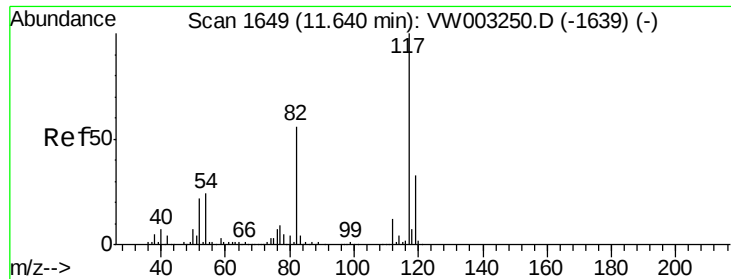
Ion Ratio Lower Upper

95 100

174 81.2 0.0 166.4

176 79.1 0.0 162.0





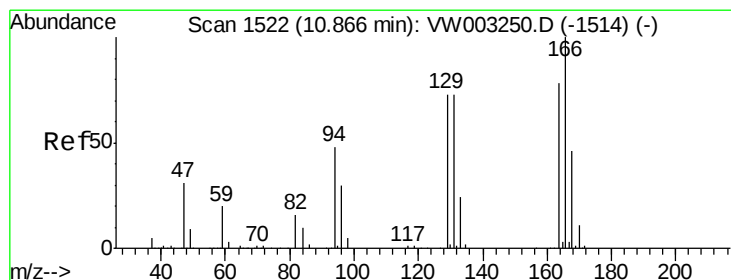
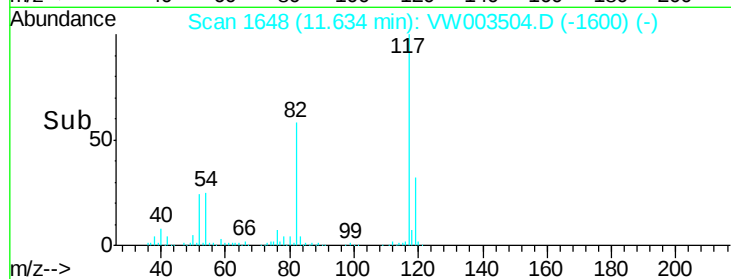
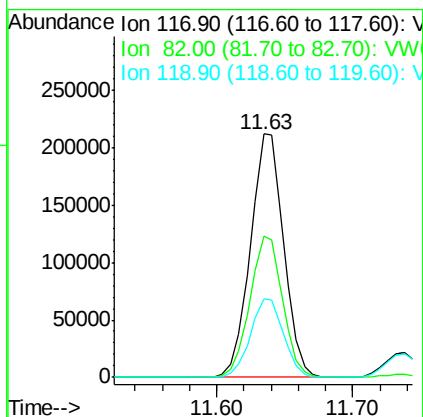
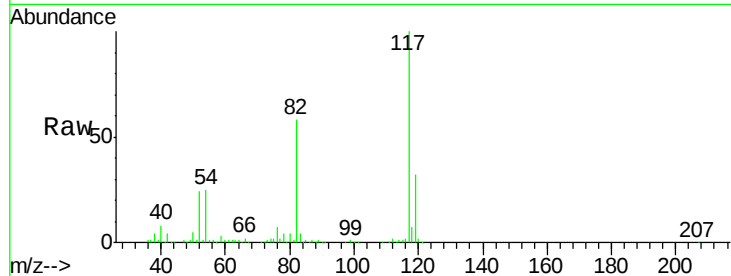
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	363397		
82	58.1		44.6	67.0
119	32.3		26.7	40.1

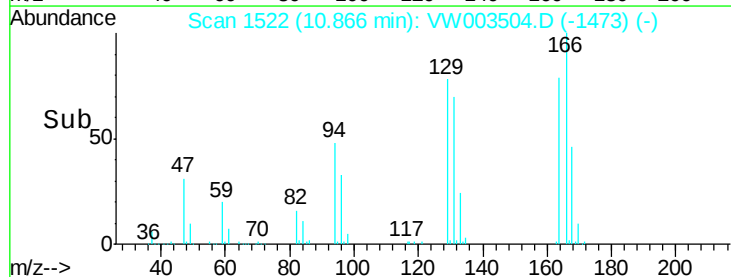
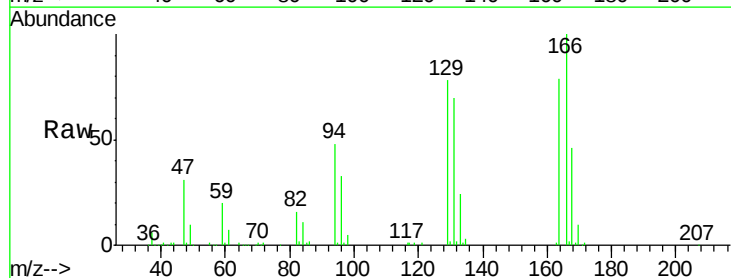
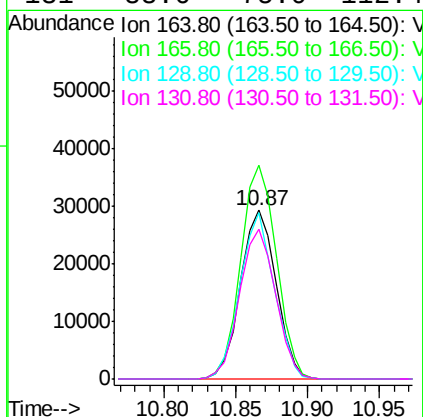
Manual Integrations
APPROVED

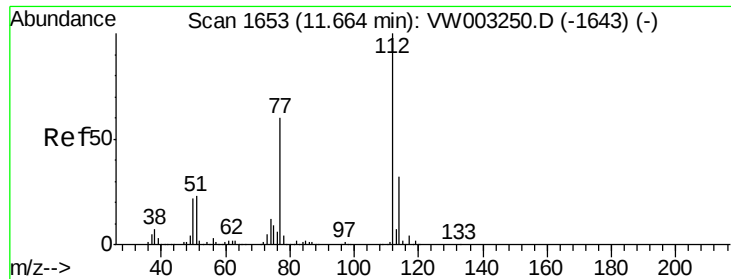
apatel
6/26/2018 12:28:23 PM



#64
Tetrachloroethene
Concen: 20.60 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50067		
166	126.8		102.6	154.0
129	98.7		75.2	112.8
131	88.6		75.0	112.4





#65

Chlorobenzene

Concen: 20.61 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion:112 Resp: 155959

Ion Ratio Lower Upper

112 100

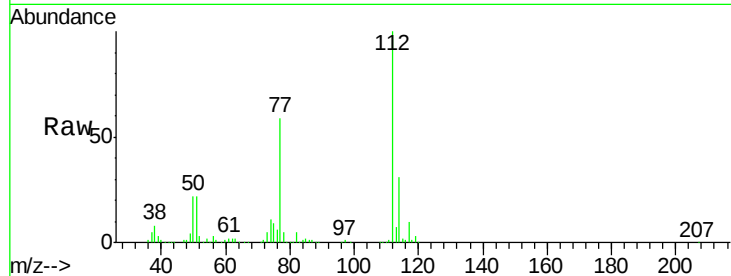
114 31.0 25.9 38.9

Manual Integrations

APPROVED

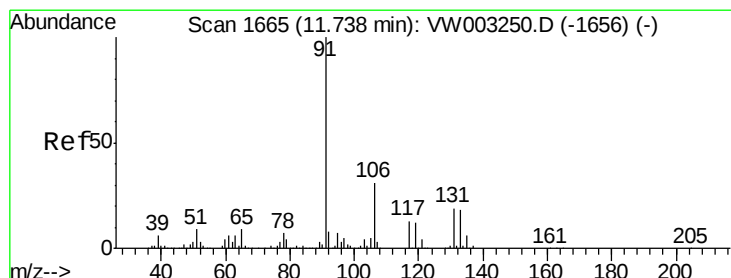
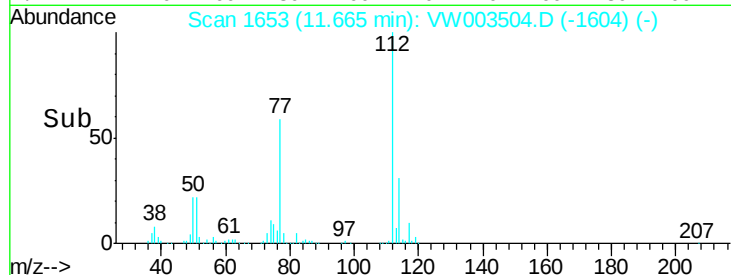
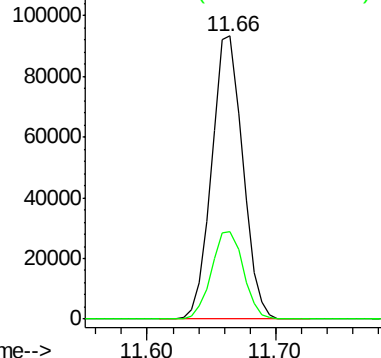
apatel

6/26/2018 12:28:23 PM



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: 20.15 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

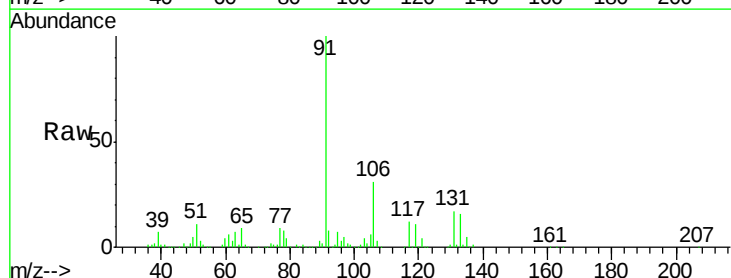
Tgt Ion:131 Resp: 53577

Ion Ratio Lower Upper

131 100

133 96.5 47.3 142.0

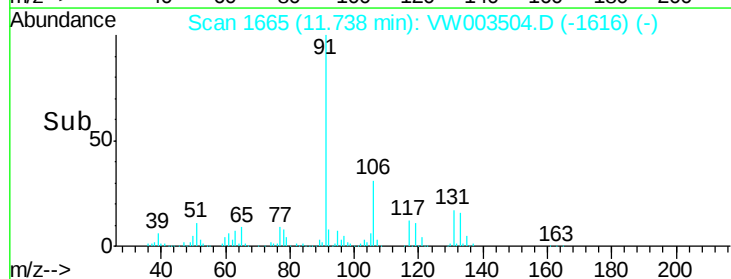
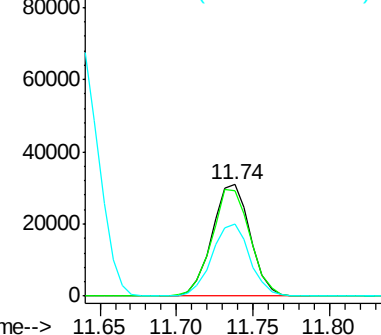
119 63.7 32.5 97.4

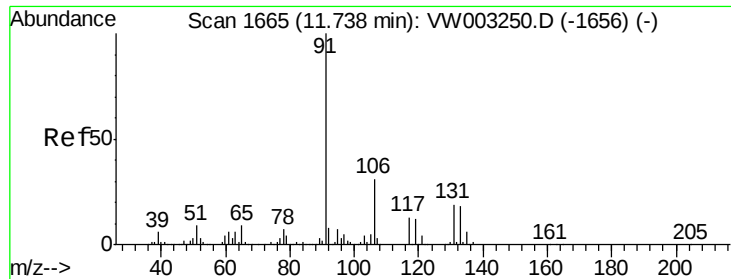


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





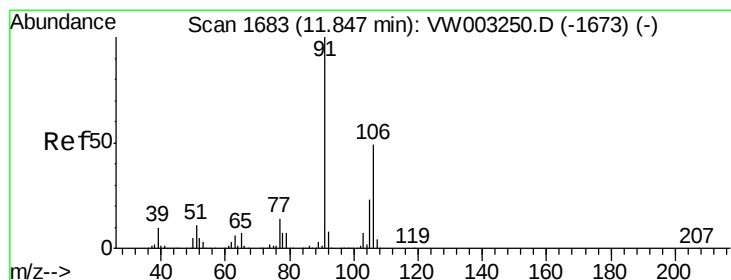
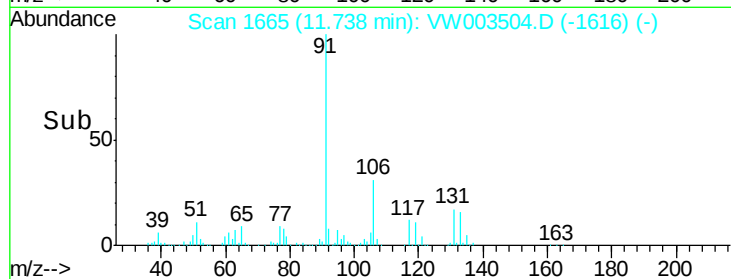
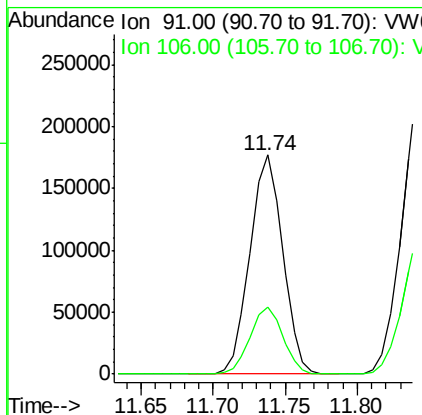
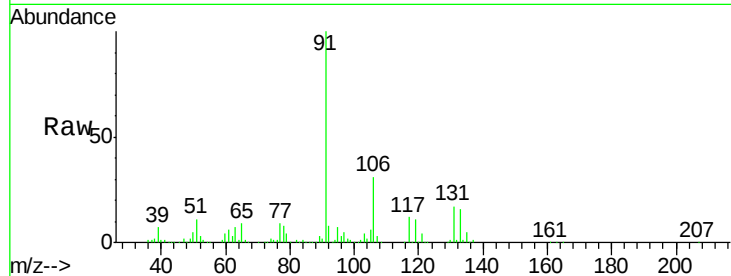
#67
Ethyl Benzene
Concen: 20.80 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion: 91 Resp: 279051
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

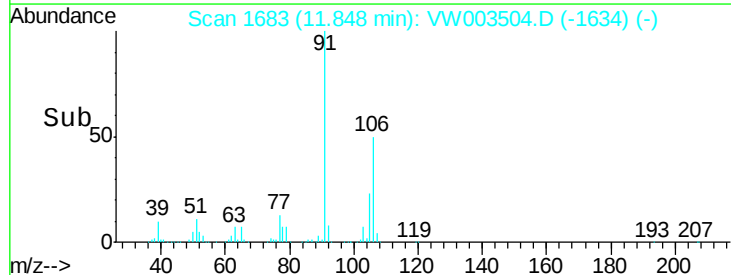
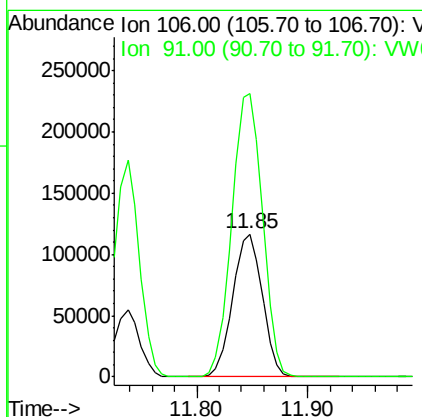
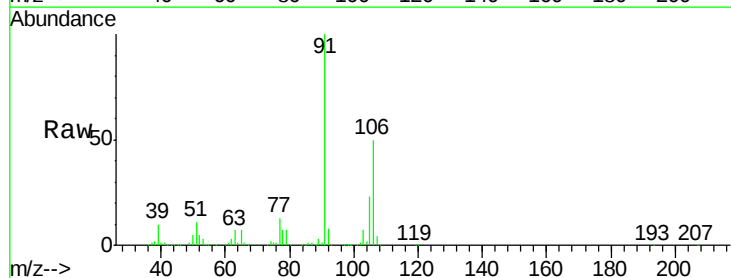
Manual Integrations
APPROVED

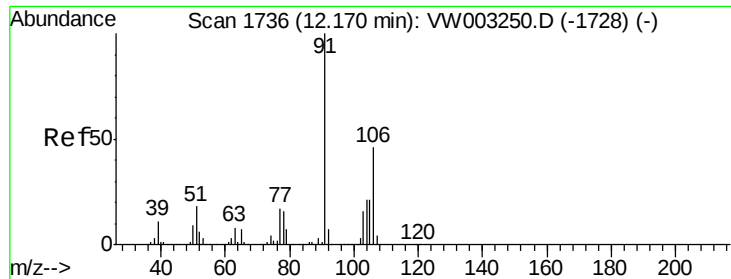
apatel
6/26/2018 12:28:23 PM



#68
m/p-Xylenes
Concen: 41.96 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion: 106 Resp: 213979
Ion Ratio Lower Upper
106 100
91 206.1 165.4 248.0





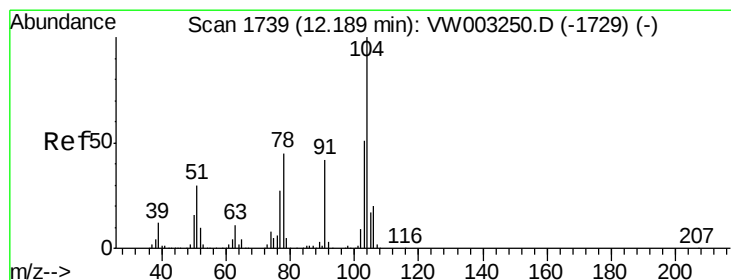
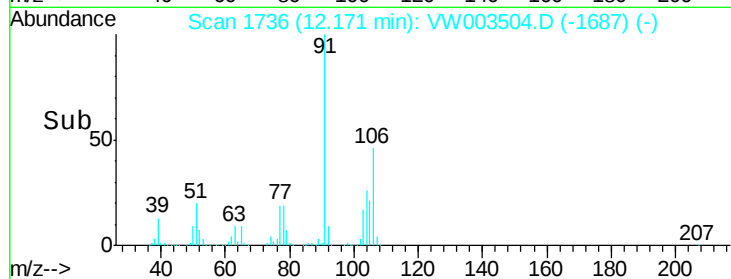
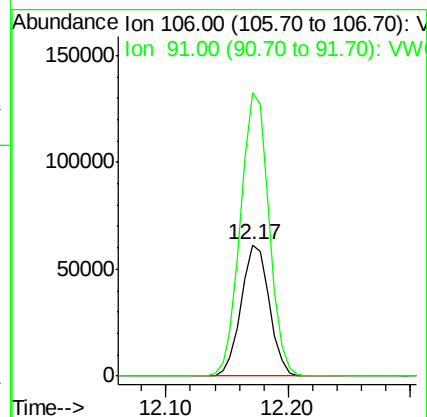
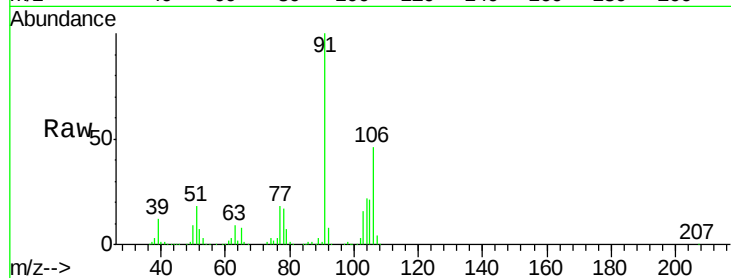
#69
o-Xylene
Concen: 20.64 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampled :
VW0624SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	218.4	108.6	325.6	

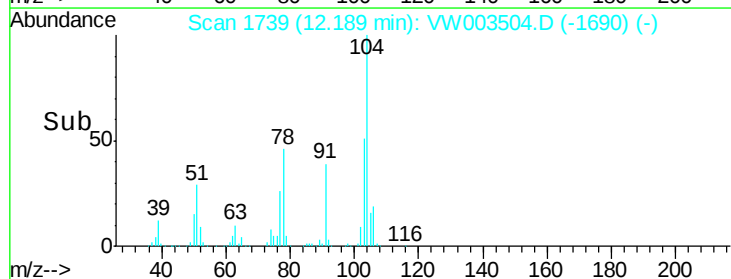
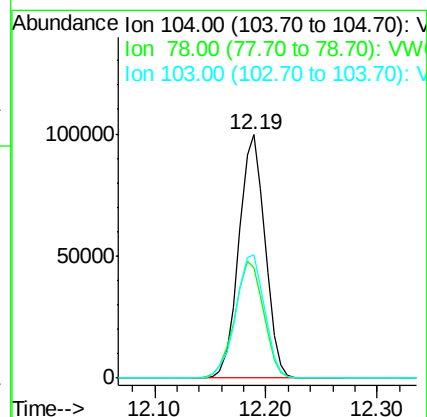
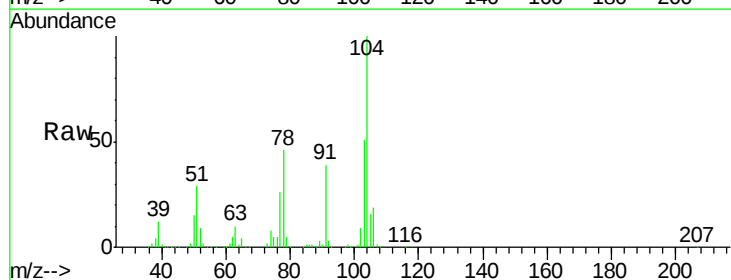
Manual Integrations
APPROVED

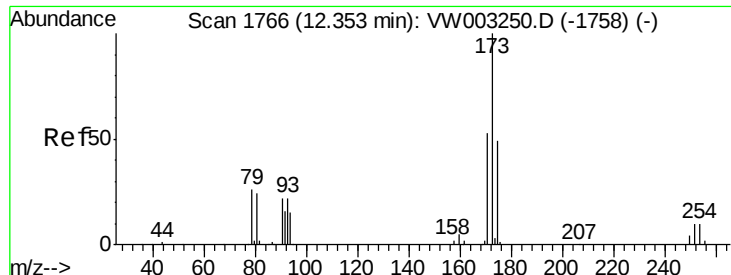
apatel
6/26/2018 12:28:23 PM



#70
Styrene
Concen: 20.60 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	53.2	41.3	61.9	
103	55.8	45.0	67.4	





#71

Bromoform

Concen: 18.81 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

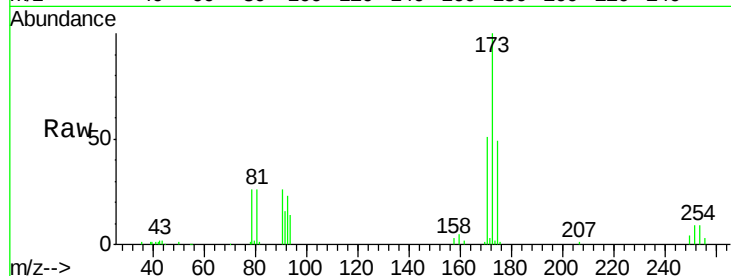
ClientSampleId :

VW0624SBS01

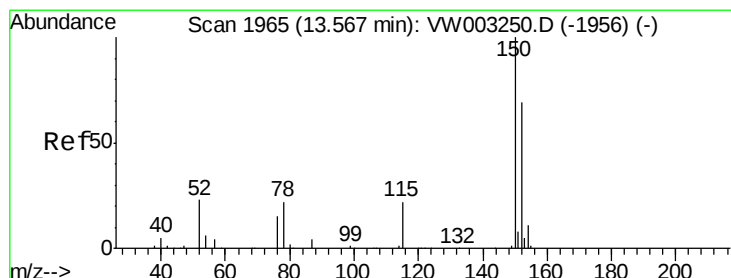
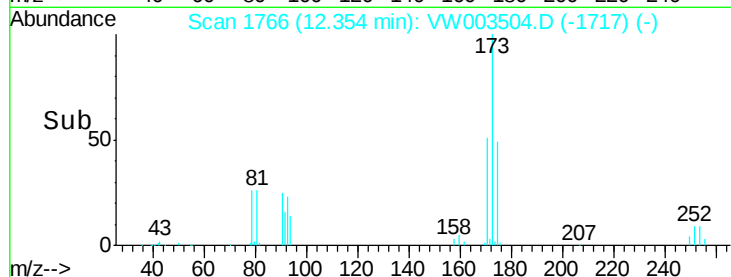
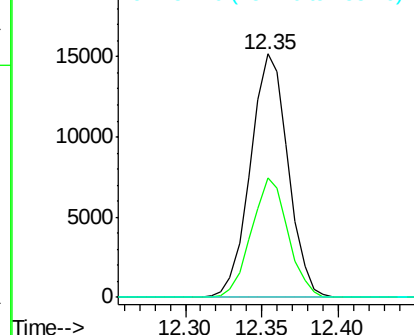
Tot Ion:	173	Resp:	25927
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

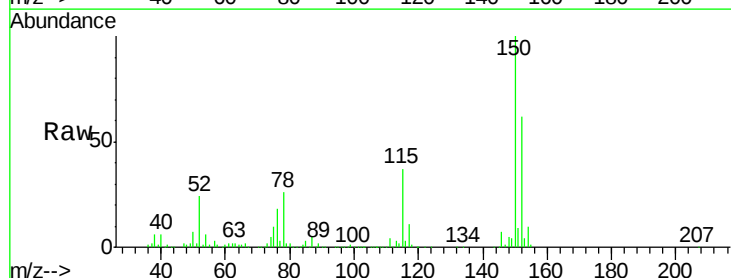
RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

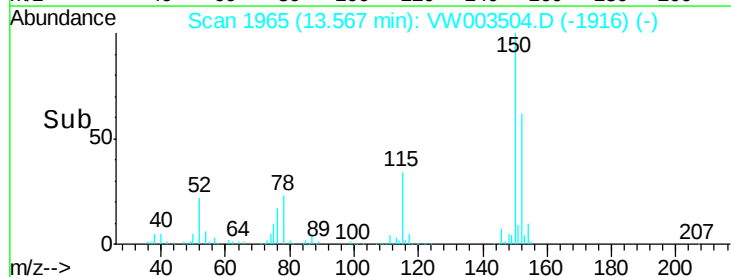
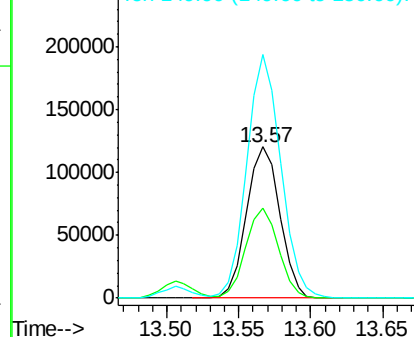
Lab File: VW003504.D

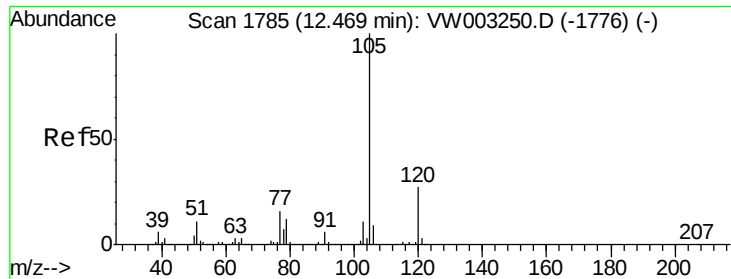
Acq: 24 Jun 2018 12:28

Tgt Ion:	152	Resp:	193522
Ion Ratio	Lower	Upper	
152	100		
115	58.2	29.3	88.0
150	163.4	0.0	349.6



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





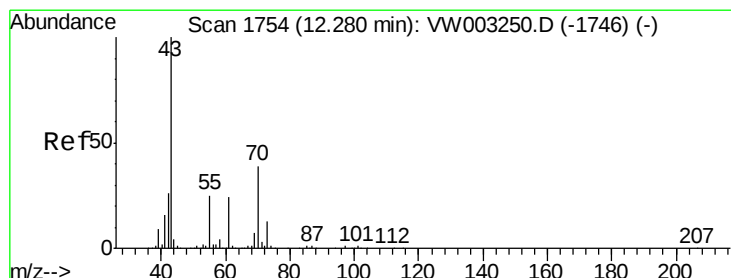
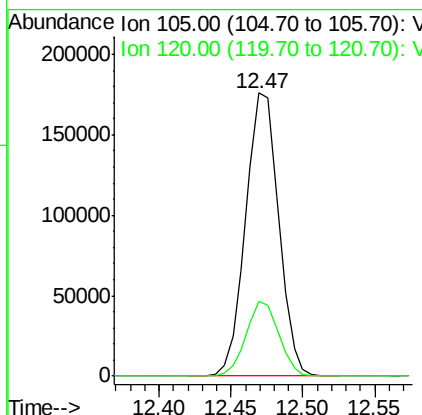
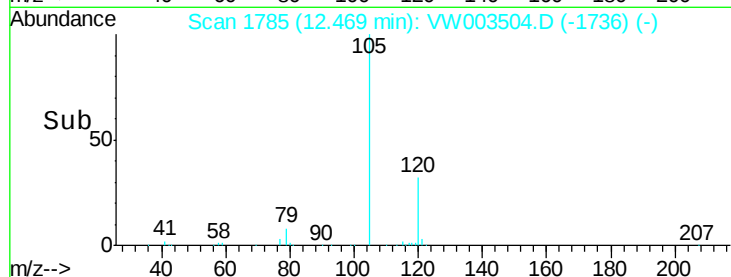
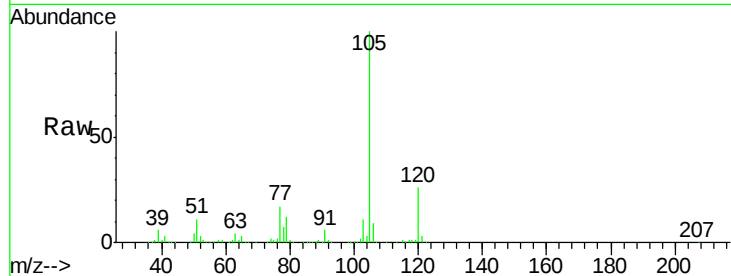
#73
Isopropylbenzene
Concen: 20.74 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	13.2	39.6

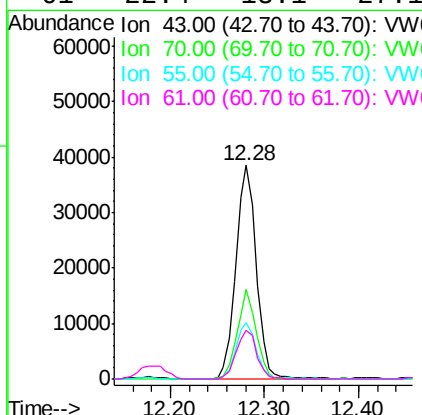
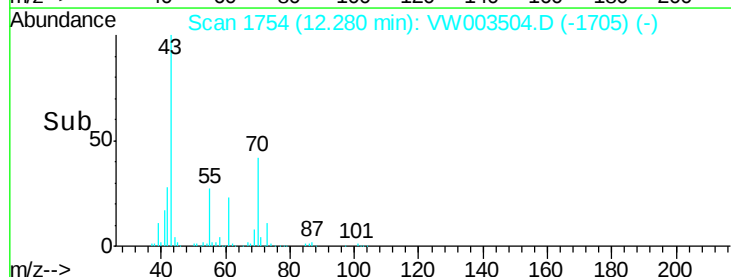
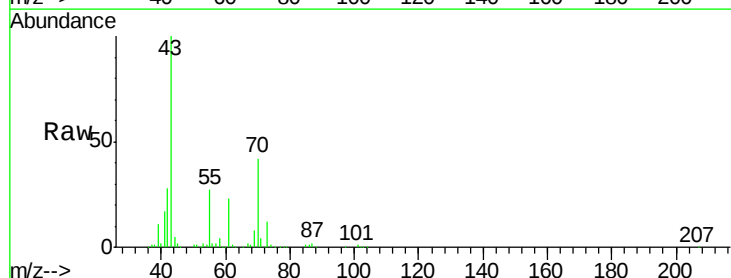
Manual Integrations
APPROVED

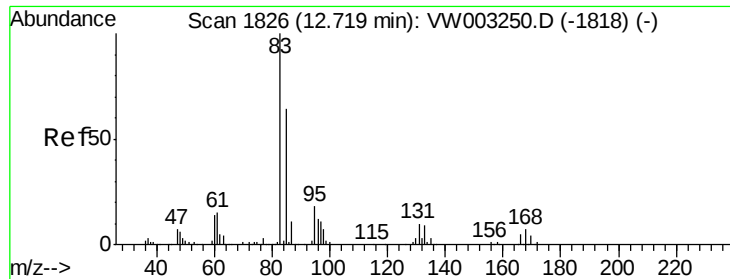
apatel
6/26/2018 12:28:23 PM



#74
N-ethyl acetate
Concen: 18.98 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.7	31.0	46.6
55	26.3	19.7	29.5
61	22.4	18.1	27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.19 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

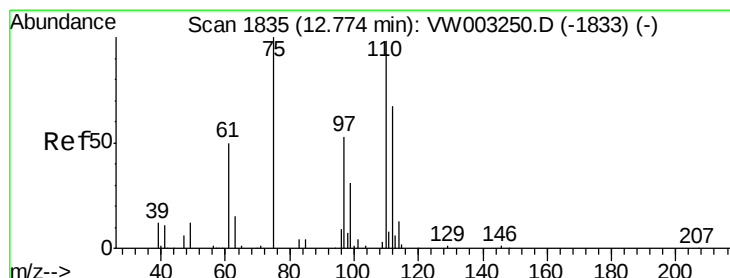
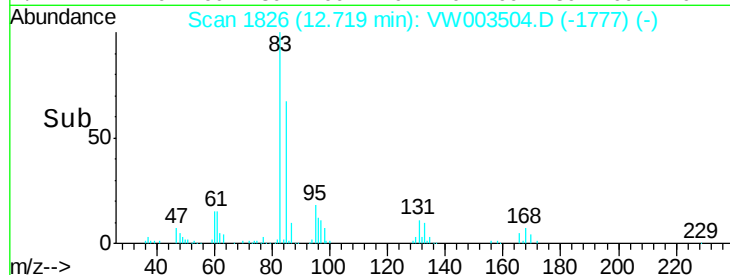
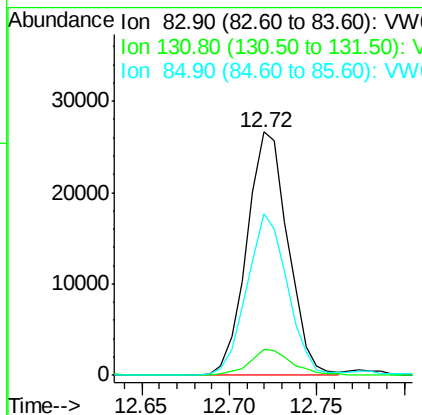
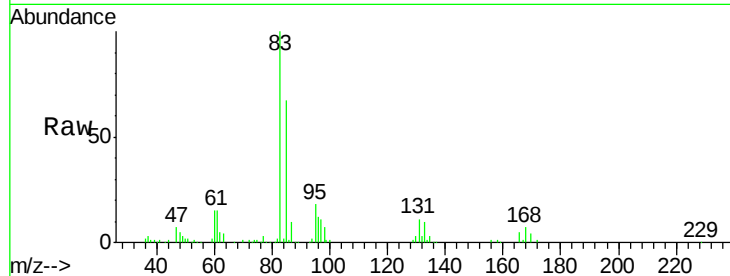
ClientSampleId :

VW0624SBS01

Tot Ion:	83	Resp:	43688
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	66.0	31.9	95.7

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#76

1,2,3-Trichloropropane

Concen: 19.03 ug/l m

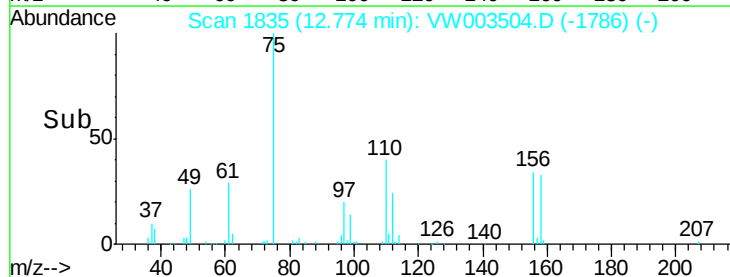
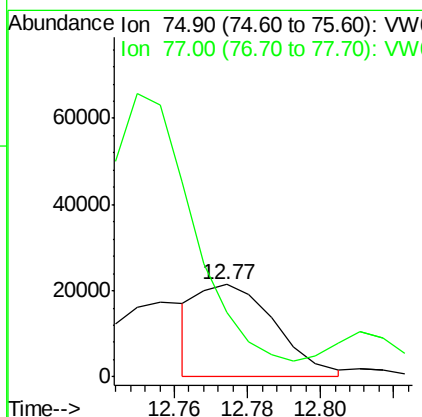
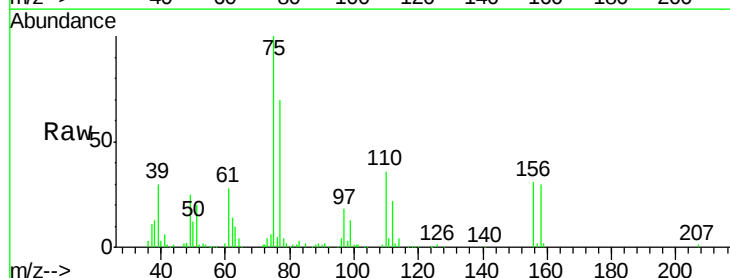
RT: 12.77 min Scan# 1835

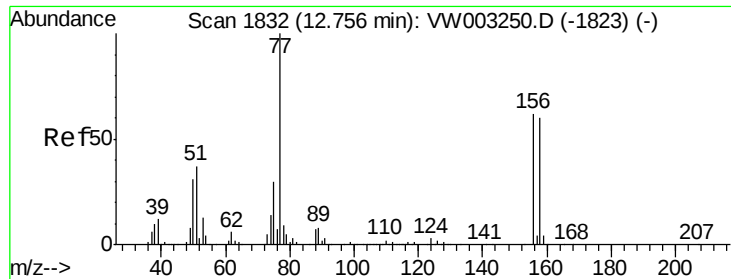
Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion:	75	Resp:	31484
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.16 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

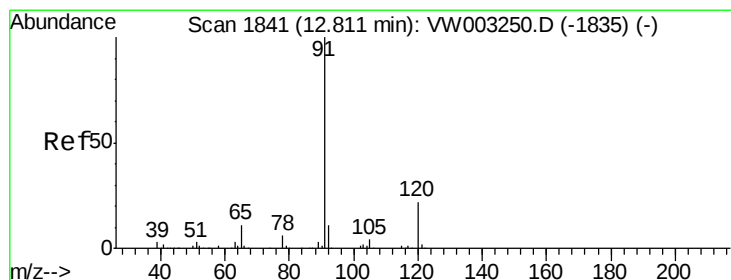
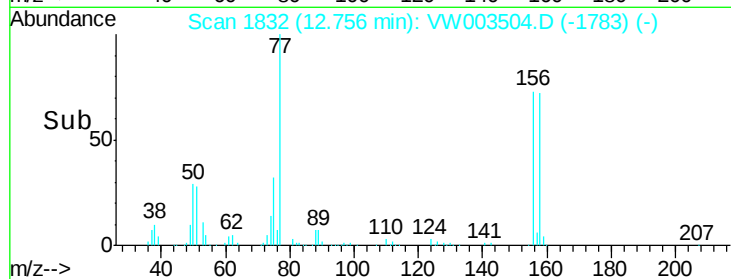
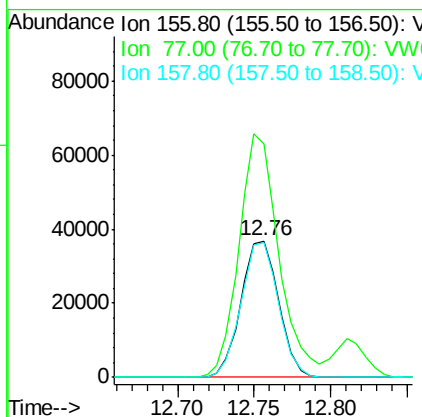
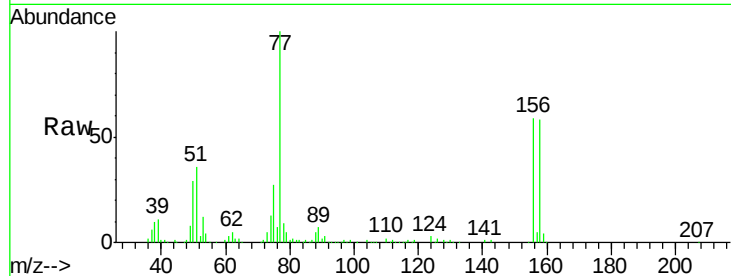
ClientSampleId :

VW0624SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.2	92.3	276.9
158	98.2	47.5	142.6

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#78

n-propylbenzene

Concen: 21.25 ug/l

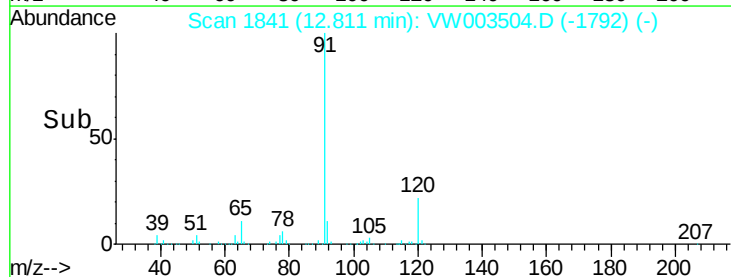
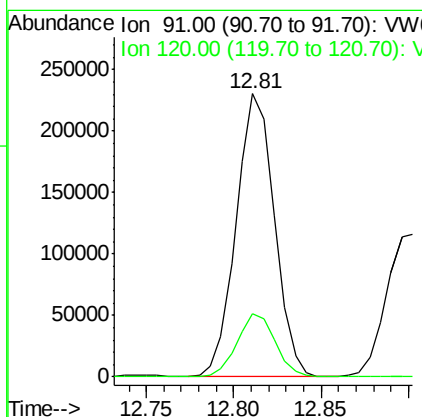
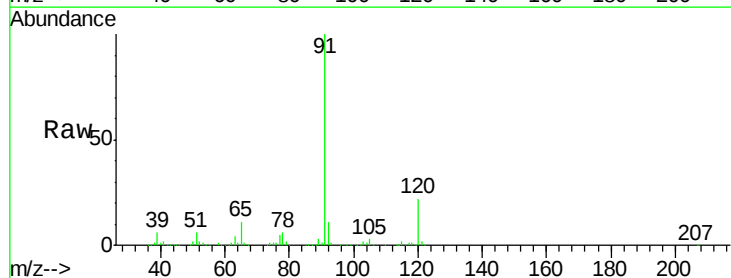
RT: 12.81 min Scan# 1841

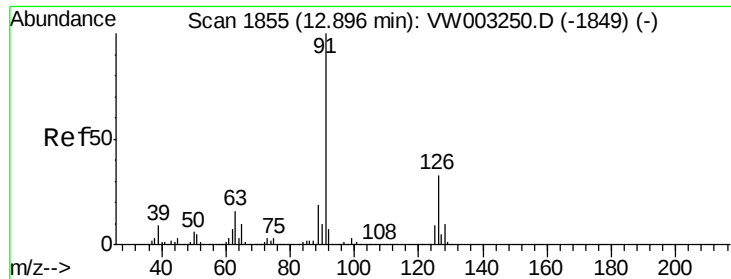
Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.8





#79

2-Chlorotoluene

Concen: 20.80 ug/l

RT: 12.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampled :

VW0624SBS01

Tot Ion: 91 Resp: 193776

Ion Ratio Lower Upper

91 100

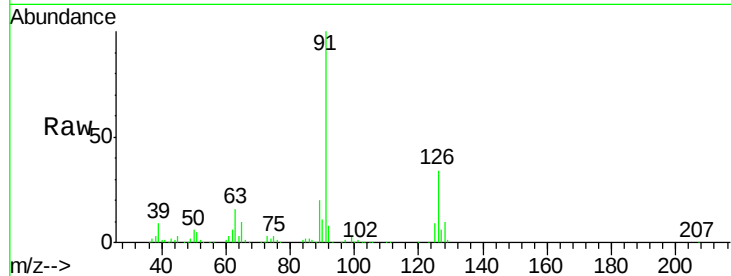
126 33.5 16.8 50.4

Manual Integrations

APPROVED

apatel

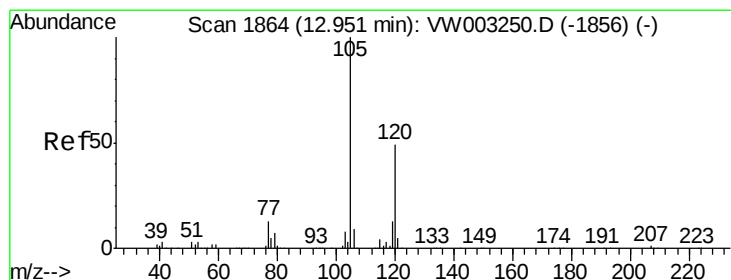
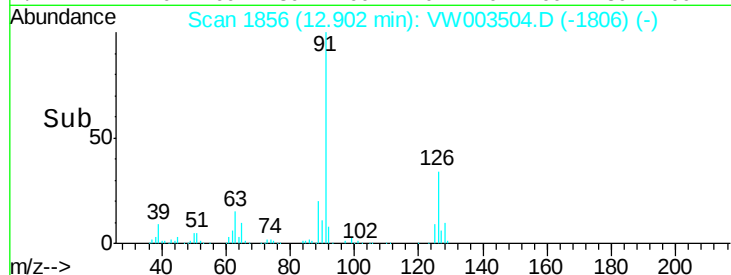
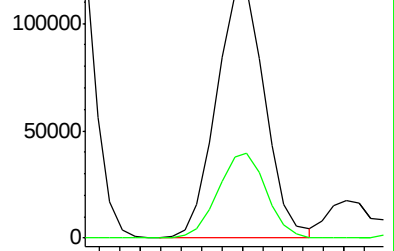
6/26/2018 12:28:23 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.90



#80

1,3,5-Trimethylbenzene

Concen: 21.11 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003504.D

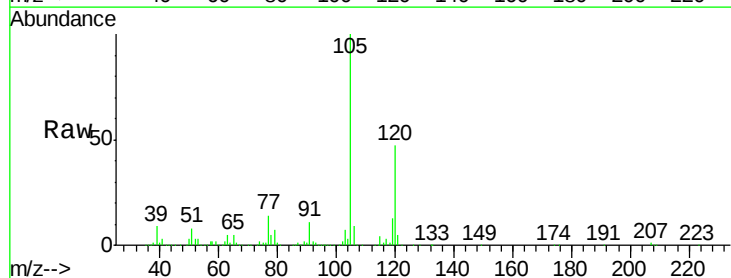
Acq: 24 Jun 2018 12:28

Tgt Ion:105 Resp: 238492

Ion Ratio Lower Upper

105 100

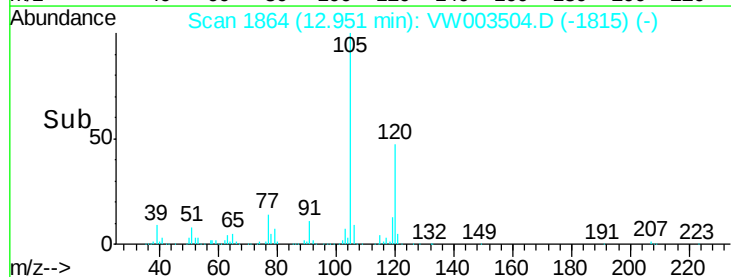
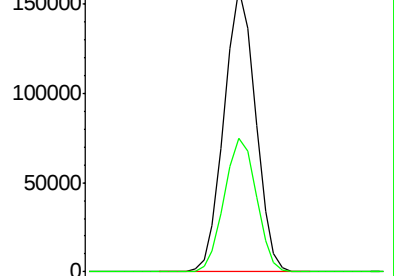
120 48.4 24.3 72.9

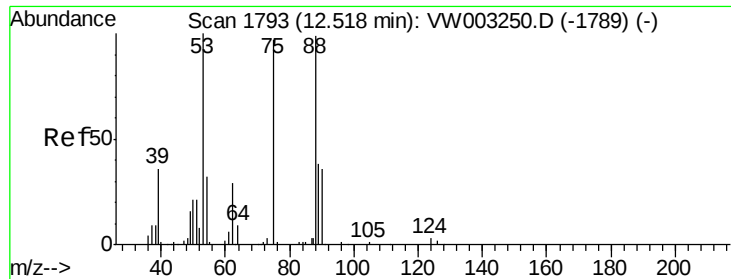


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.95





#81

trans-1,4-Dichloro-2-butene

Concen: 18.18 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion: 75 Resp: 13072

Ion Ratio Lower Upper

75 100

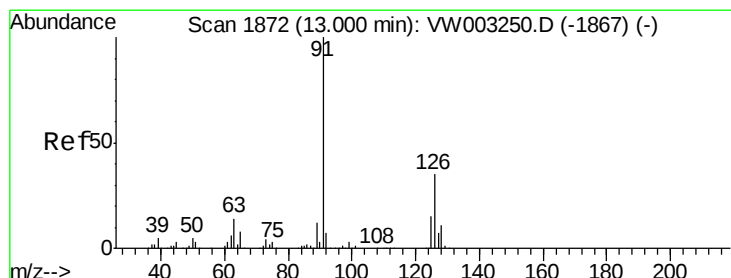
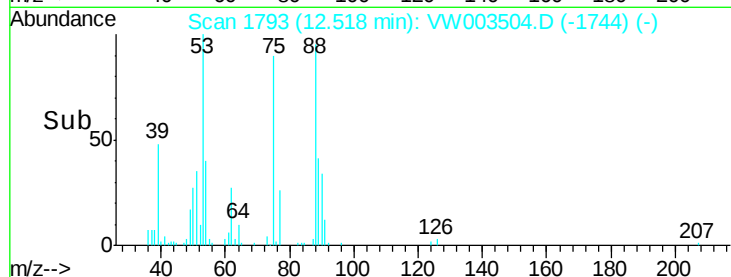
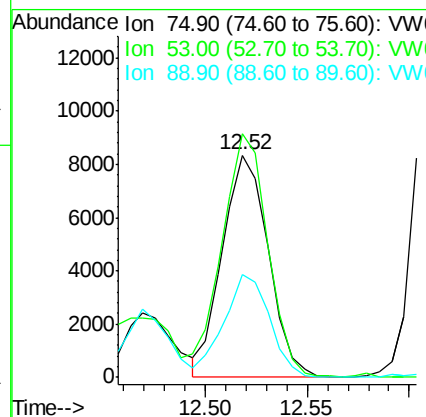
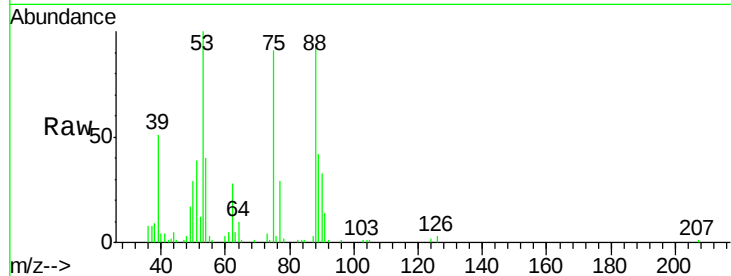
53 110.6 82.9 124.3

89 45.8 36.7 55.1

Manual Integrations
APPROVED

apatel

6/26/2018 12:28:23 PM



#82

4-Chlorotoluene

Concen: 20.94 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.01 min

Lab File: VW003504.D

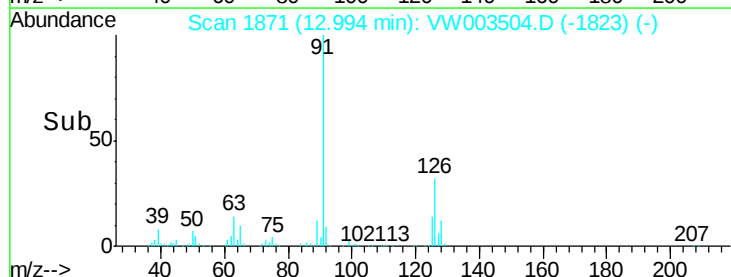
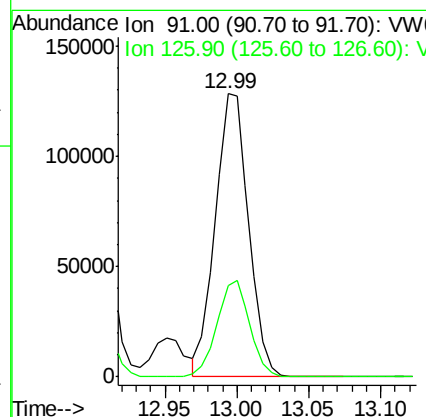
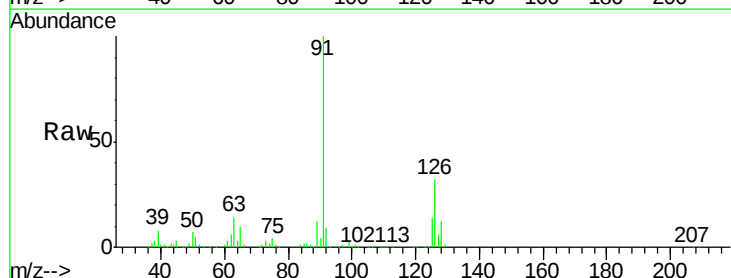
Acq: 24 Jun 2018 12:28

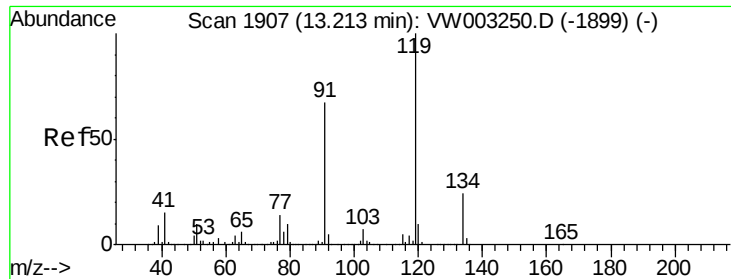
Tgt Ion: 91 Resp: 206886

Ion Ratio Lower Upper

91 100

126 33.7 16.8 50.3





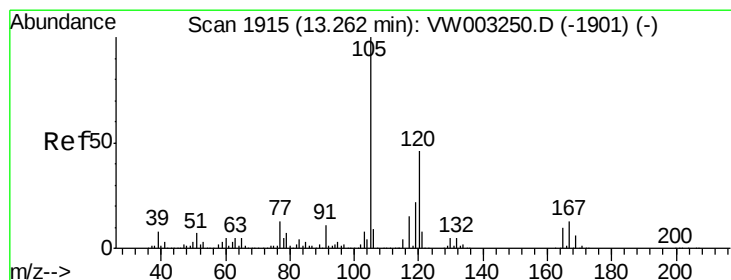
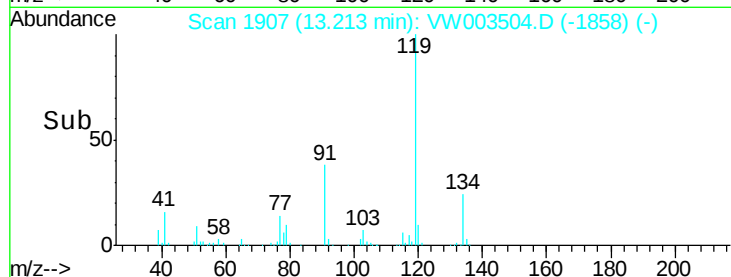
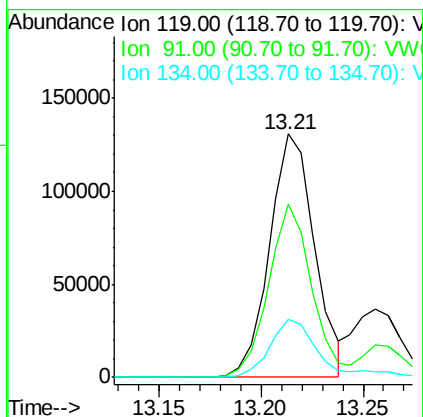
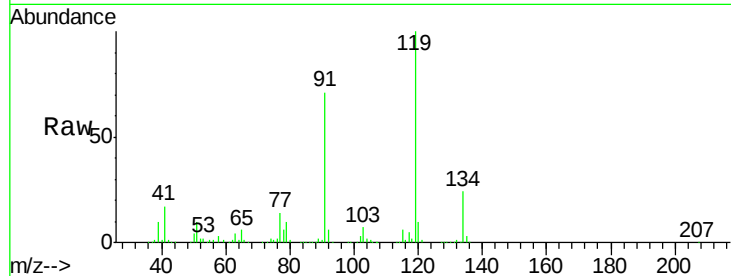
#83
tert-Butylbenzene
Concen: 20.93 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201534		
91	68.5		33.9	101.7
134	26.1		13.4	40.1

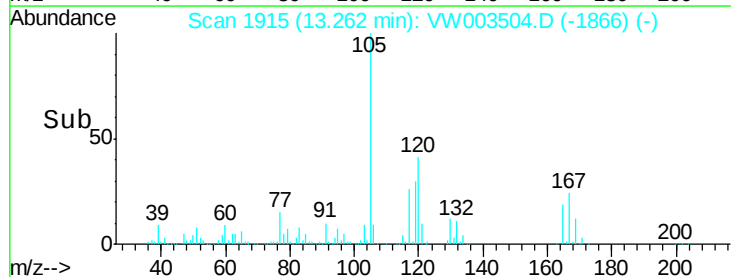
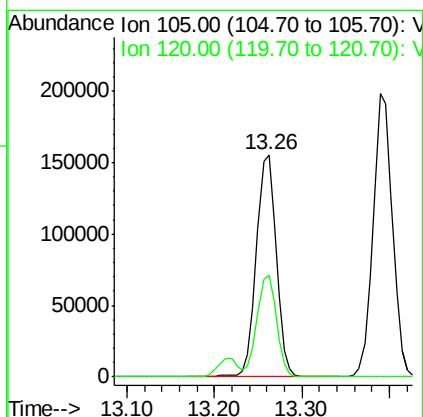
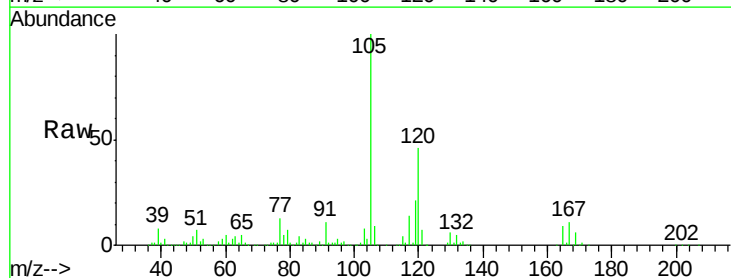
Manual Integrations
APPROVED

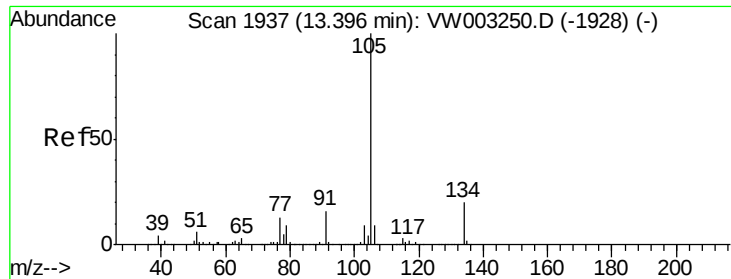
apatel
6/26/2018 12:28:23 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.22 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	246577		
120	44.8		22.5	67.5





#85

sec-Butylbenzene

Concen: 21.36 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

ClientSampleId :

VW0624SBS01

Tot Ion:105 Resp: 305677

Ion Ratio Lower Upper

105 100

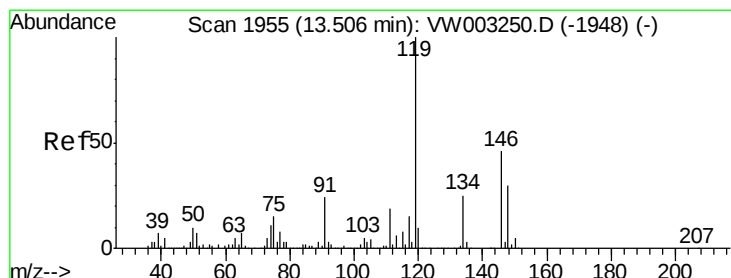
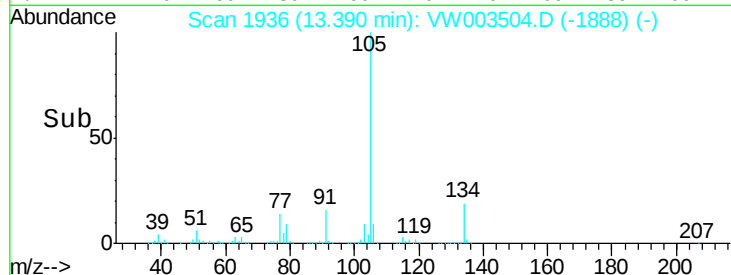
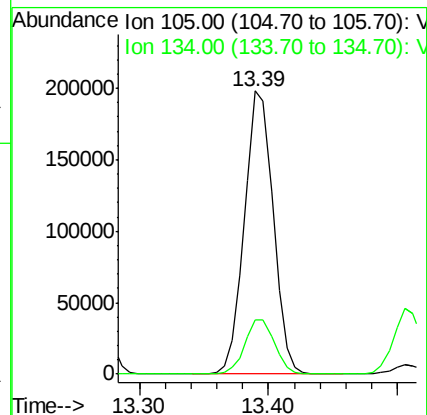
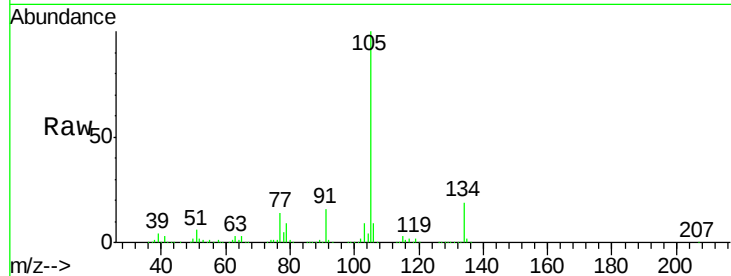
134 19.8 9.8 29.5

Manual Integrations

APPROVED

apatel

6/26/2018 12:28:23 PM



#86

p-Isopropyltoluene

Concen: 21.25 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

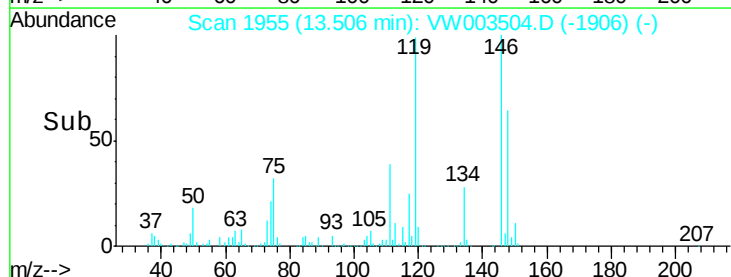
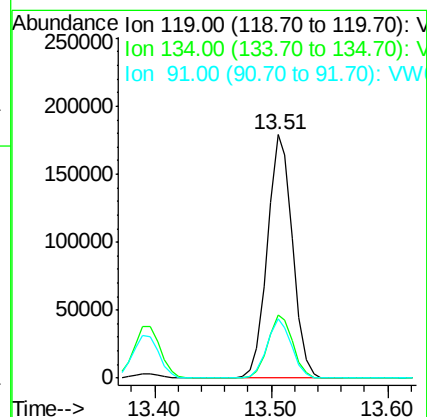
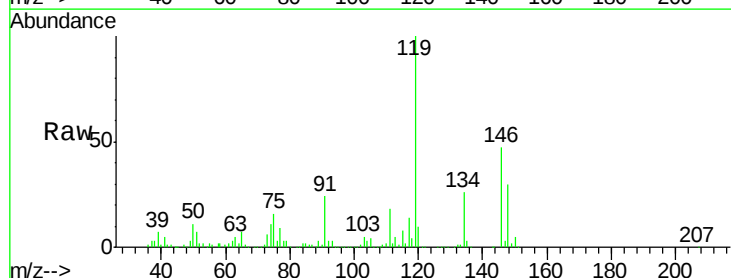
Tgt Ion:119 Resp: 268287

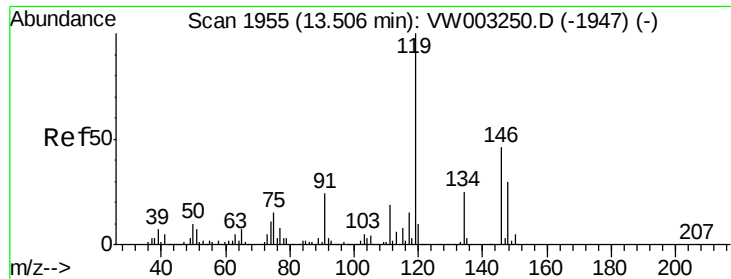
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 23.8 11.8 35.3





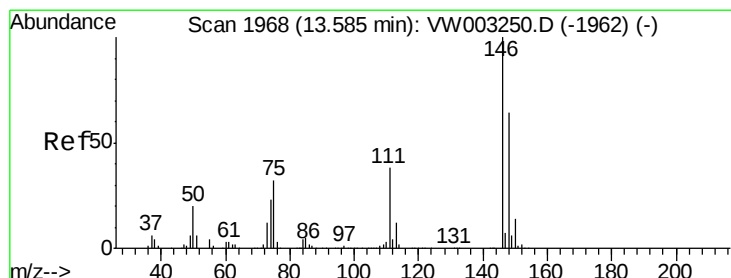
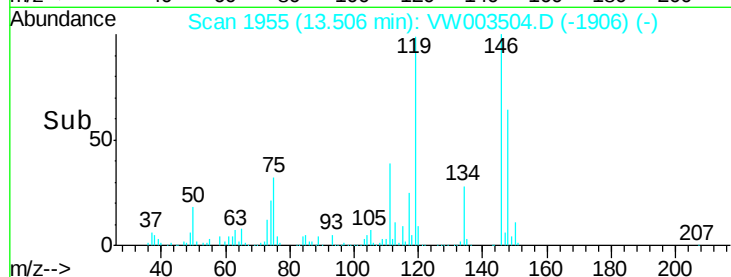
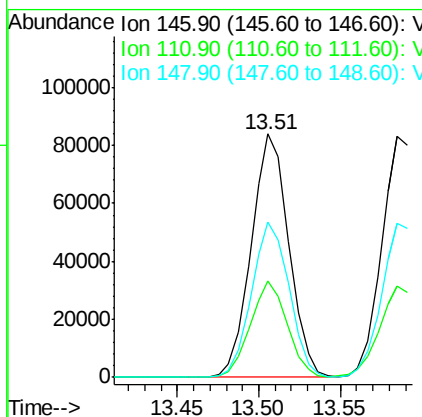
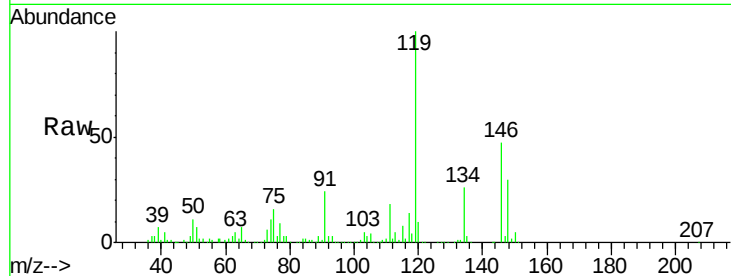
#87
 1,3-Dichlorobenzene
 Concen: 20.81 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.8	59.4
148	63.8	32.1	96.5

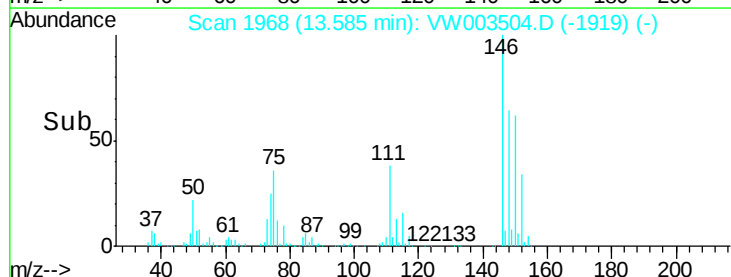
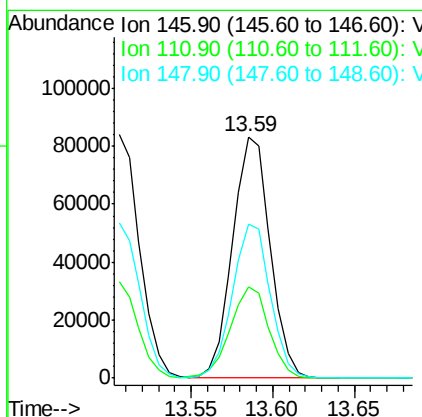
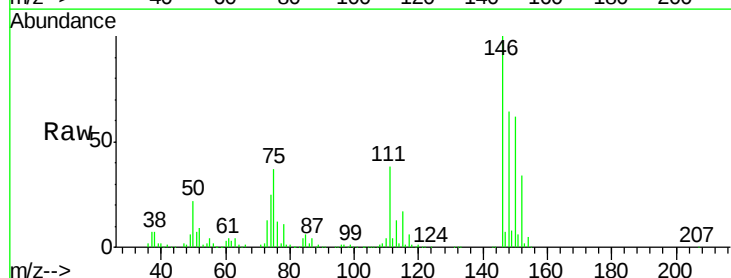
Manual Integrations
 APPROVED

apatel
 6/26/2018 12:28:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.88 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.2	57.6
148	64.2	31.8	95.4





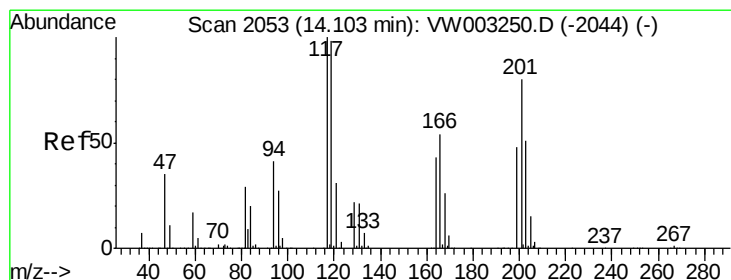
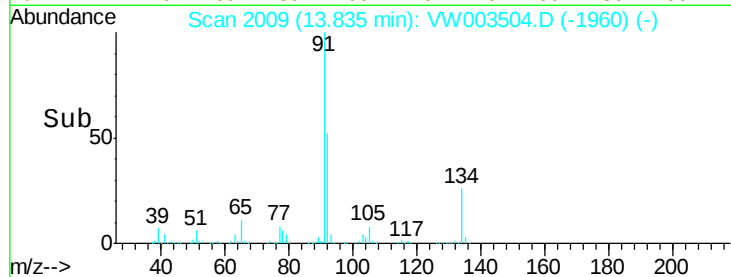
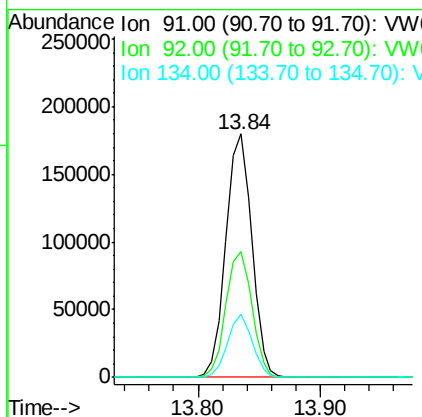
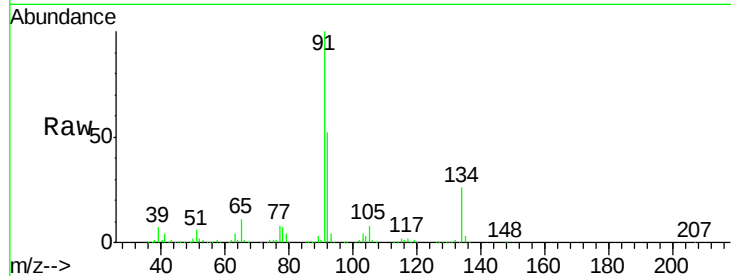
#89
n-Butylbenzene
Concen: 21.45 ug/l
RT: 13.84 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Instrument :
MSVOA_W
ClientSampleId :
VW0624SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	24.7	12.7	38.0

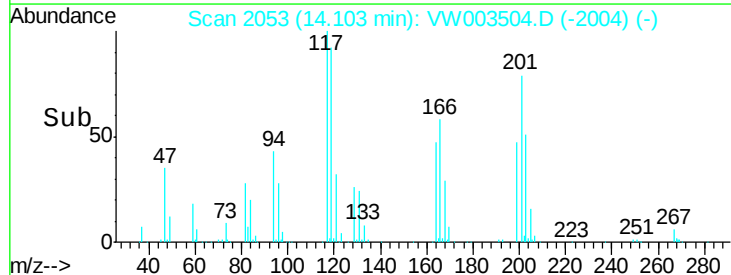
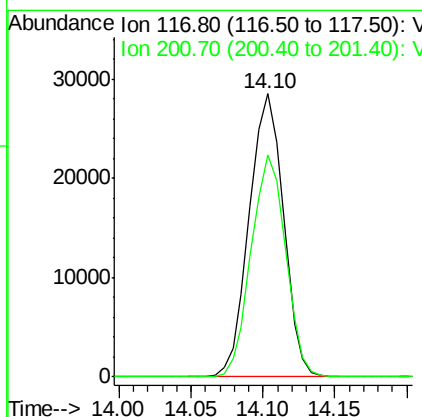
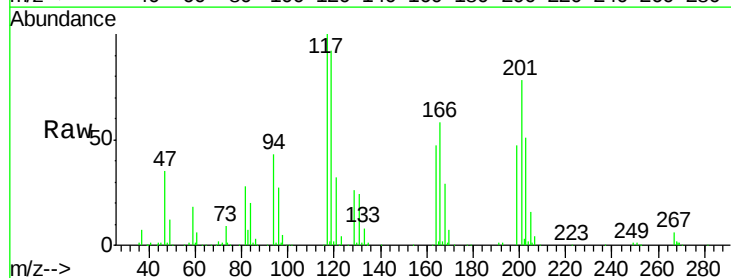
Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#90
Hexachloroethane
Concen: 20.61 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003504.D
Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 20.72 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

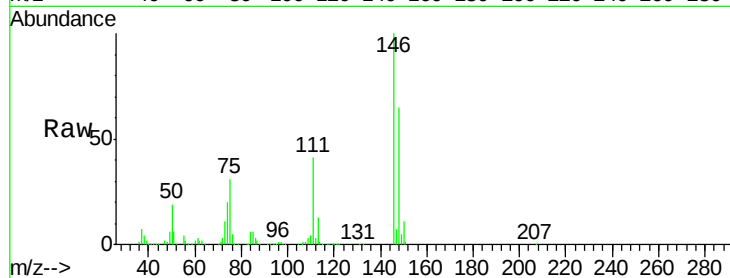
ClientSampleId :

VW0624SBS01

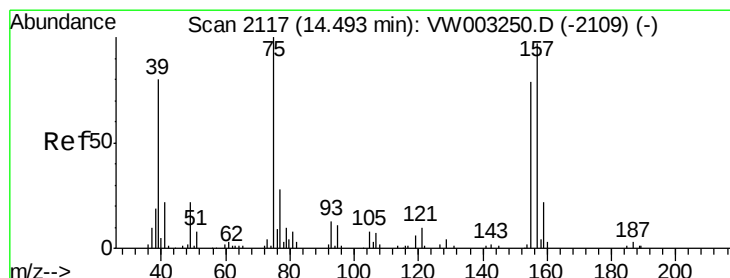
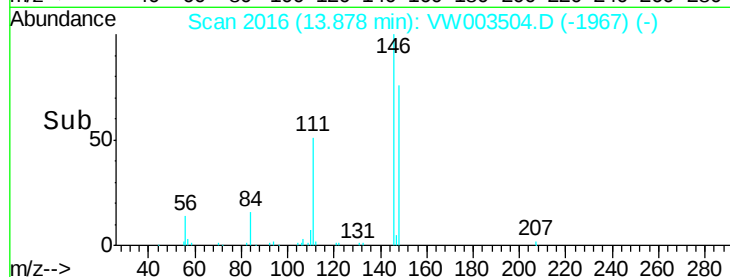
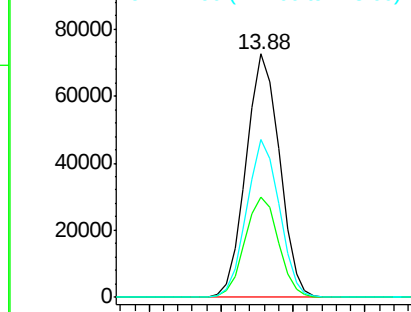
Tot Ion:	146	Resp:	116908
Ion Ratio		Lower	Upper
146	100		
111	41.2	20.3	61.0
148	63.5	32.3	96.9

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.93 ug/l

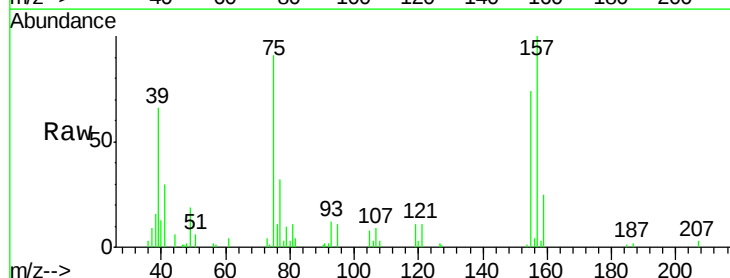
RT: 14.50 min Scan# 2118

Delta R.T. 0.01 min

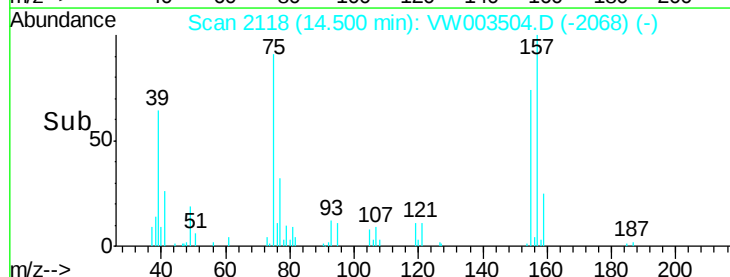
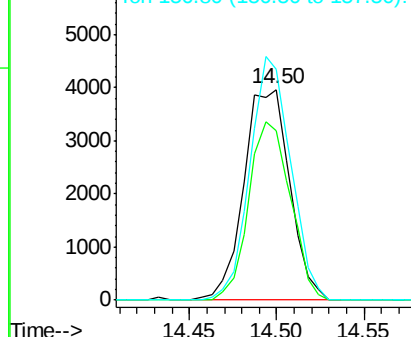
Lab File: VW003504.D

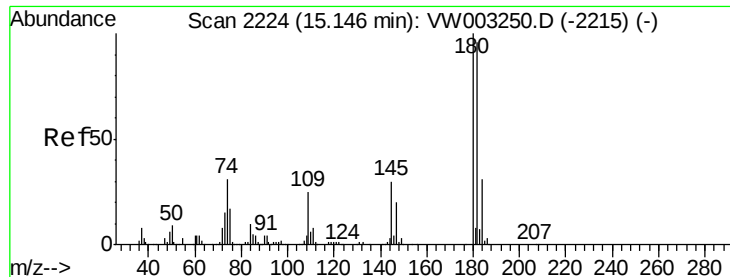
Acq: 24 Jun 2018 12:28

Tgt Ion:	75	Resp:	7254
Ion Ratio		Lower	Upper
75	100		
155	76.7	39.4	118.2
157	102.3	51.5	154.5



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





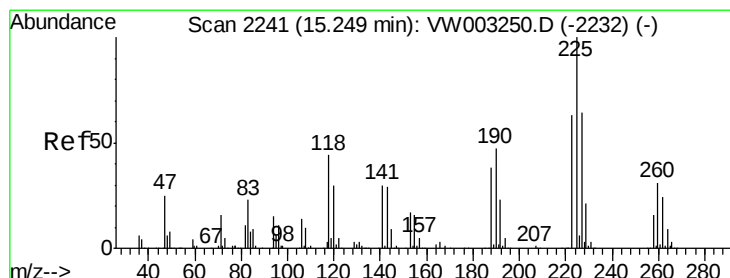
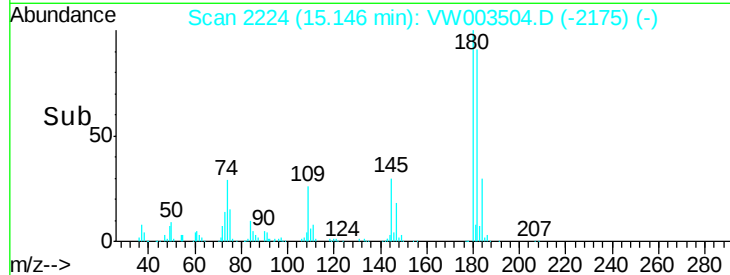
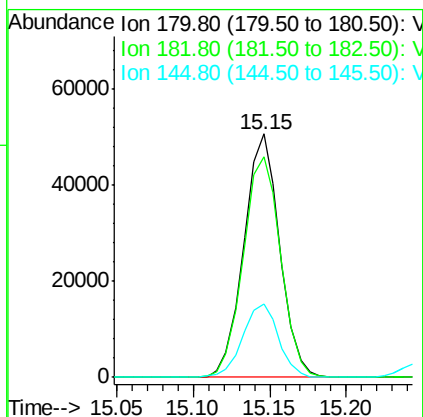
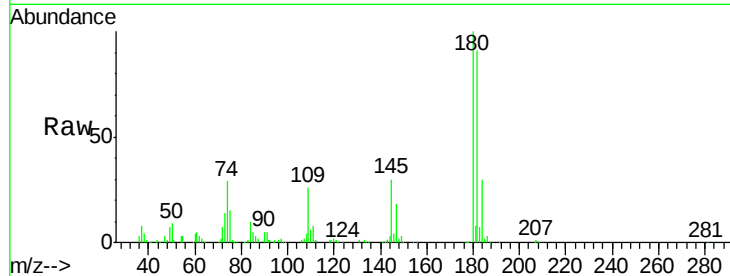
#93
 1,2,4-Trichlorobenzene
 Concen: 20.75 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0624SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.6
145	30.3	15.2	45.5

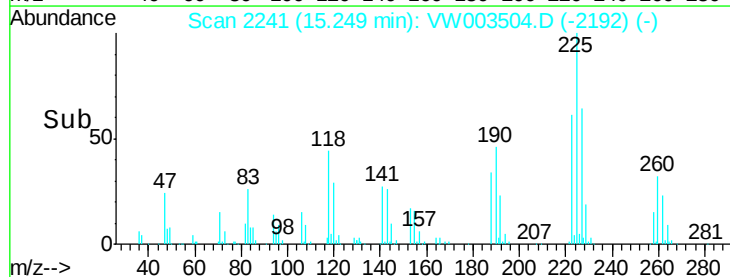
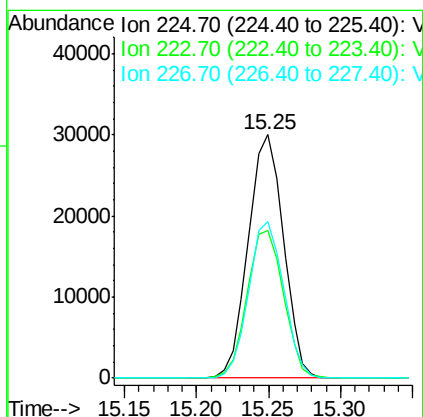
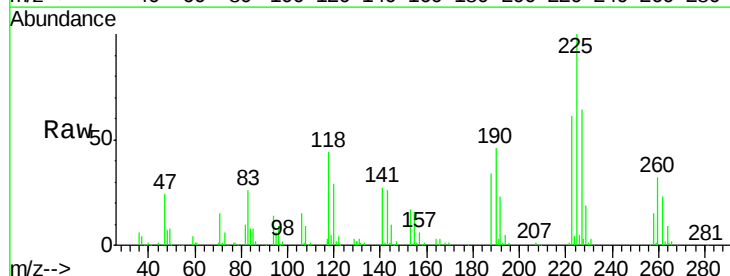
Manual Integrations
 APPROVED

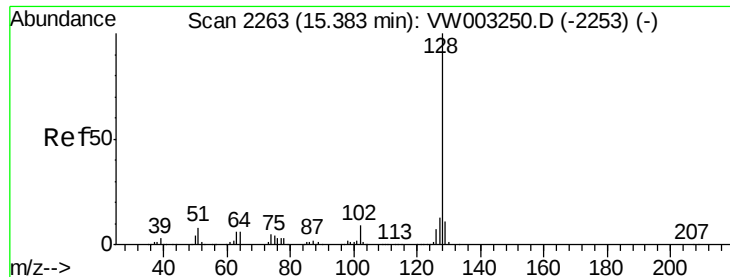
apatel
 6/26/2018 12:28:23 PM



#94
 Hexachlorobutadiene
 Concen: 21.36 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003504.D
 Acq: 24 Jun 2018 12:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	30.6	92.0
227	63.9	31.7	95.1





#95

Naphthalene

Concen: 19.12 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Instrument :

MSVOA_W

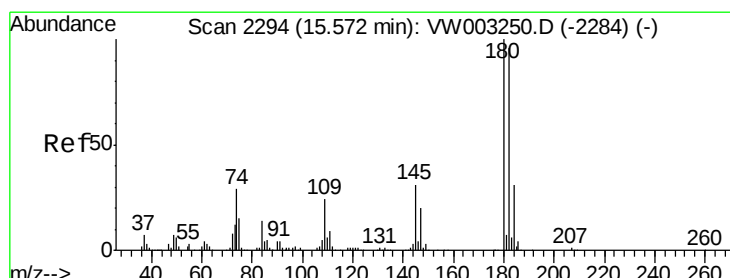
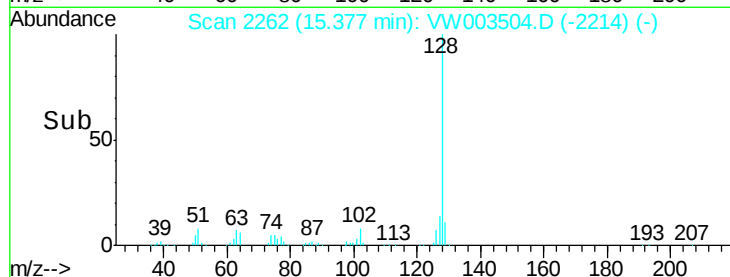
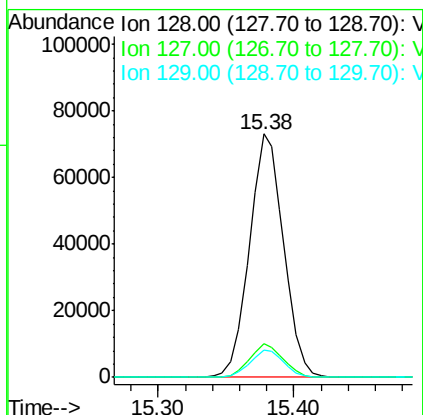
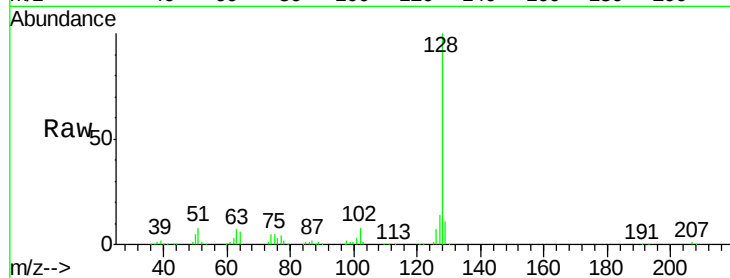
ClientSampleId :

VW0624SBS01

Tot Ion:	128	Resp:	128411
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

apatel
6/26/2018 12:28:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.19 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003504.D

Acq: 24 Jun 2018 12:28

Tgt Ion:	180	Resp:	70390
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.9	143.6
145	31.9	15.8	47.4

