

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003502.D
 Acq On : 24 Jun 2018 11:17
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/26/2018 12:23:58 PM

Quant Time: Jun 24 23:35:29 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	265119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	403010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	195447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	140961	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.88	113	127851	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.33	98	516396	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.62	95	182074	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	56173	70.08	ug/l	89
3) Chloromethane	2.21	50	88220	43.56	ug/l	97
4) Vinyl Chloride	2.36	62	132087	44.74	ug/l	99
5) Bromomethane	2.78	94	82052	41.82	ug/l	96
6) Chloroethane	2.92	64	88365	43.00	ug/l	96
7) Trichlorofluoromethane	3.26	101	88967	50.30	ug/l	97
8) Diethyl Ether	3.68	74	60210	46.34	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	119499	48.66	ug/l	98
10) Methyl Iodide	4.26	142	178861	48.16	ug/l	99
11) Tert butyl alcohol	5.23	59	33613m	218.25	ug/l	
12) 1,1-Dichloroethene	4.03	96	114271	47.61	ug/l	97
13) Acrolein	3.90	56	52483	238.35	ug/l	98
14) Allyl chloride	4.66	41	203835	49.03	ug/l	99
15) Acrylonitrile	5.38	53	124820	233.51	ug/l	99
16) Acetone	4.15	43	147915	245.60	ug/l	100
17) Carbon Disulfide	4.37	76	329700	46.47	ug/l	99
18) Methyl Acetate	4.68	43	67935	47.55	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	217654	48.42	ug/l	99
20) Methylene Chloride	4.91	84	118260	45.92	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	125500	48.05	ug/l	98
22) Diisopropyl ether	6.31	45	415017	49.60	ug/l	97
23) Vinyl Acetate	6.26	43	1168277	242.31	ug/l	100
24) 1,1-Dichloroethane	6.21	63	241875	48.70	ug/l	98
25) 2-Butanone	7.19	43	185971	248.32	ug/l	99
26) 2,2-Dichloropropane	7.17	77	160969	48.56	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	138496	48.27	ug/l	97
28) Bromochloromethane	7.51	49	109789	53.12	ug/l	96
29) Tetrahydrofuran	7.54	42	108989	238.12	ug/l	99
30) Chloroform	7.68	83	245386	48.49	ug/l	98
31) Cyclohexane	7.96	56	217395	46.85	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	204211	48.89	ug/l	99
36) 1,1-Dichloropropene	8.09	75	196500	50.49	ug/l	99
37) Ethyl Acetate	7.26	43	74745	46.36	ug/l	99
38) Carbon Tetrachloride	8.07	117	191876	50.26	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
 Data File : VW003502.D
 Acq On : 24 Jun 2018 11:17
 Operator : SY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/26/2018 12:23:58 PM

Quant Time: Jun 24 23:35:29 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	229255	50.91	ug/l	99
40) Benzene	8.32	78	533505	49.73	ug/l	100
41) Methacrylonitrile	7.49	41	48922	49.44	ug/l	96
42) 1,2-Dichloroethane	8.40	62	163542	48.66	ug/l	98
43) Isopropyl Acetate	8.43	43	150289	46.94	ug/l	99
44) Trichloroethene	9.09	130	139514	49.08	ug/l	99
45) 1,2-Dichloropropane	9.37	63	135345	49.55	ug/l	99
46) Dibromomethane	9.46	93	66996	47.91	ug/l	98
47) Bromodichloromethane	9.65	83	178265	49.73	ug/l	99
48) Methyl methacrylate	9.44	41	75752	50.35	ug/l	97
49) 1,4-Dioxane	9.49	88	20271	960.00	ug/l	90
51) 4-Methyl-2-Pentanone	10.21	43	399383	244.81	ug/l	99
52) Toluene	10.39	92	344808	50.12	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	181020	49.43	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	208806	50.10	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	94501	47.95	ug/l	98
56) Ethyl methacrylate	10.65	69	119479	49.93	ug/l	98
57) 1,3-Dichloropropane	10.94	76	167007	49.14	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	276603	257.85	ug/l	97
59) 2-Hexanone	10.98	43	294661	258.55	ug/l	100
60) Dibromochloromethane	11.13	129	113648	48.49	ug/l	98
61) 1,2-Dibromoethane	11.24	107	89181	47.84	ug/l	98
64) Tetrachloroethene	10.87	164	119088	48.35	ug/l	98
65) Chlorobenzene	11.66	112	378356	49.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	131804	48.91	ug/l	100
67) Ethyl Benzene	11.74	91	688963	50.68	ug/l	99
68) m/p-Xylenes	11.85	106	523274	101.26	ug/l	100
69) o-Xylene	12.17	106	243831	50.91	ug/l	99
70) Styrene	12.19	104	407356	51.10	ug/l	100
71) Bromoform	12.35	173	65383	46.81	ug/l #	98
73) Isopropylbenzene	12.47	105	697151	51.28	ug/l	100
74) N-amyl acetate	12.28	43	151455	48.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	110210	47.92	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	77866m	46.60	ug/l	
77) Bromobenzene	12.76	156	151993	48.01	ug/l	96
78) n-propylbenzene	12.81	91	850700	51.11	ug/l	99
79) 2-Chlorotoluene	12.90	91	472900	50.27	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	580313	50.86	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	33772	46.51	ug/l	94
82) 4-Chlorotoluene	12.99	91	500186	50.12	ug/l	100
83) tert-Butylbenzene	13.21	119	500373	51.46	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	595047	50.70	ug/l	99
85) sec-Butylbenzene	13.39	105	735113	50.86	ug/l	99
86) p-Isopropyltoluene	13.51	119	651470	51.10	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	318676	49.00	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	313884	48.55	ug/l	99
89) n-Butylbenzene	13.83	91	636669	51.23	ug/l	100
90) Hexachloroethane	14.10	117	114801	49.78	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	279206	49.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18556	47.94	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062418\
Data File : VW003502.D
Acq On : 24 Jun 2018 11:17
Operator : SY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

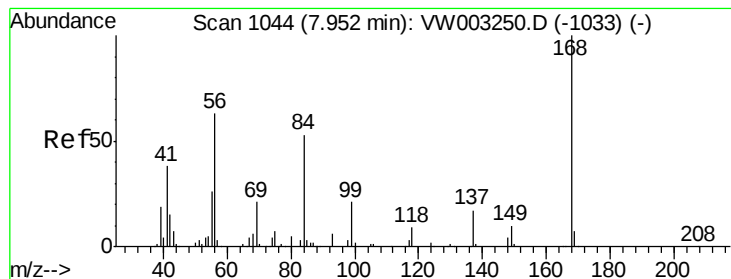
Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM

Quant Time: Jun 24 23:35:29 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)
93) 1,2,4-Trichlorobenzene	15.15	180	196977	49.25	ug/l	99
94) Hexachlorobutadiene	15.25	225	114205	47.47	ug/l	98
95) Naphthalene	15.38	128	335466	49.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	169517	48.15	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: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 265119

Ion Ratio Lower Upper

168 100

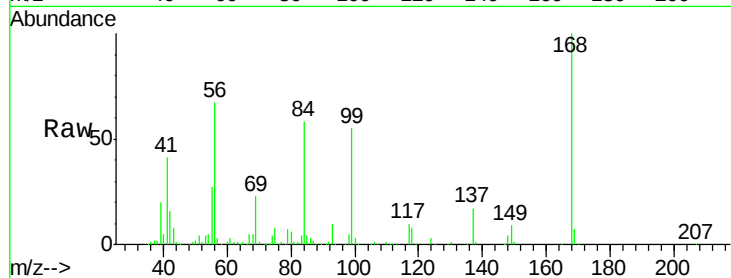
99 55.4 45.5 68.3

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

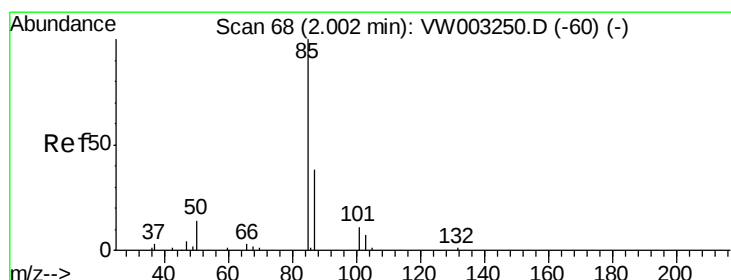
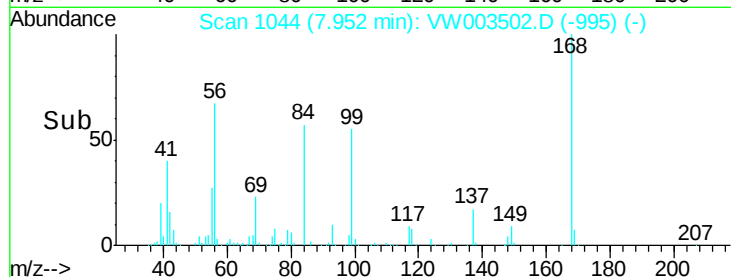
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 70.08 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW003502.D

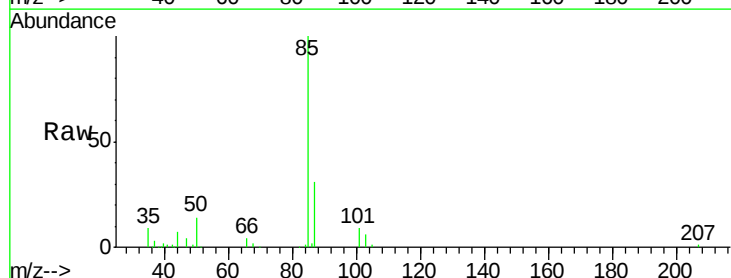
Acq: 24 Jun 2018 11:17

Tgt Ion: 85 Resp: 56173

Ion Ratio Lower Upper

85 100

87 31.3 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

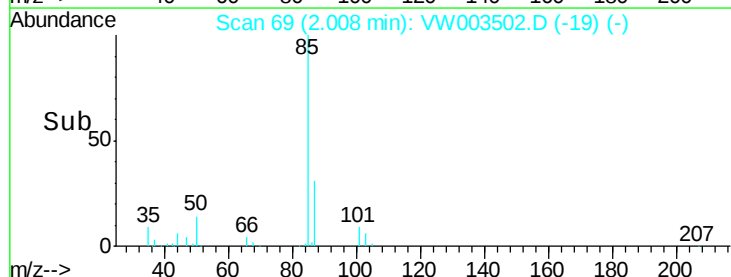
15000

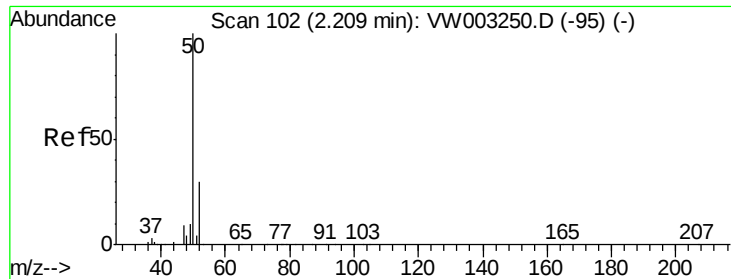
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 43.56 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 88220

Ion Ratio Lower Upper

50 100

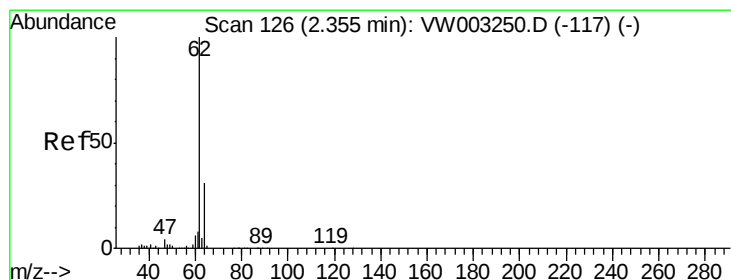
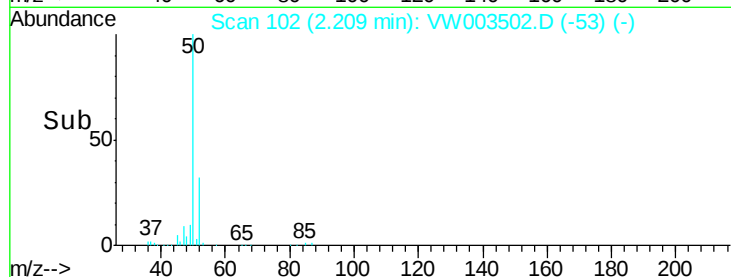
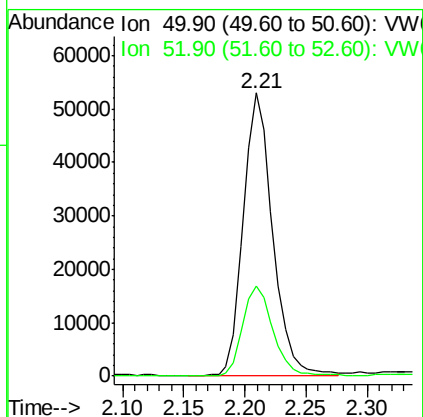
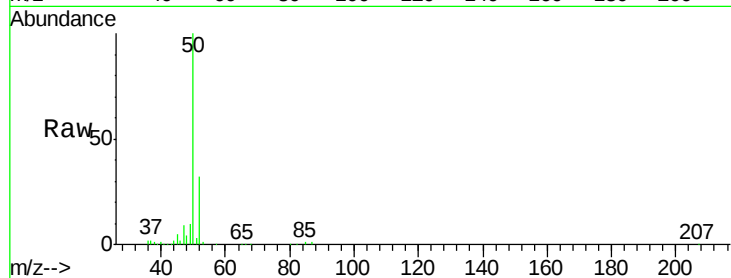
52 31.7 24.2 36.2

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#4

Vinyl Chloride

Concen: 44.74 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003502.D

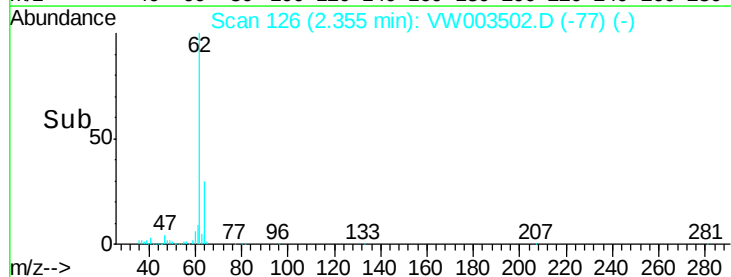
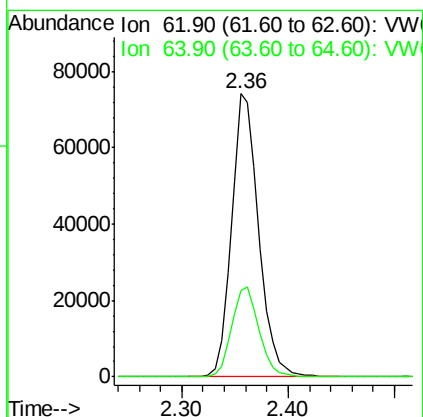
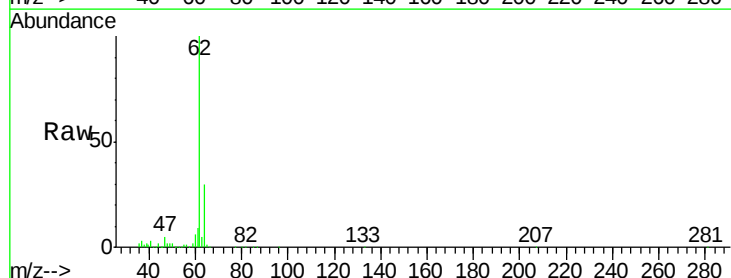
Acq: 24 Jun 2018 11:17

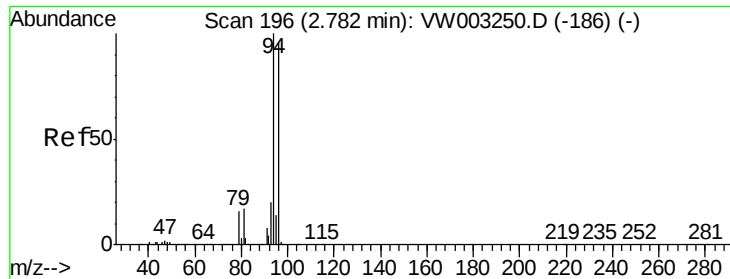
Tgt Ion: 62 Resp: 132087

Ion Ratio Lower Upper

62 100

64 30.3 24.9 37.3





#5

Bromomethane

Concen: 41.82 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 82052

Ion Ratio Lower Upper

94 100

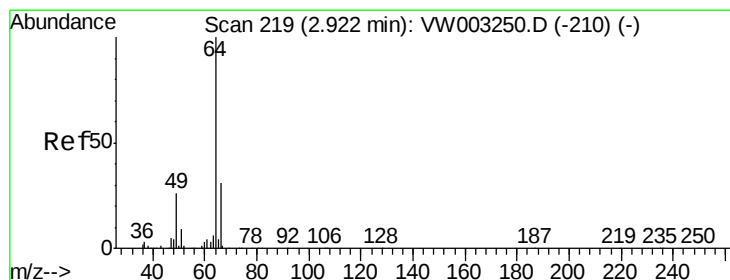
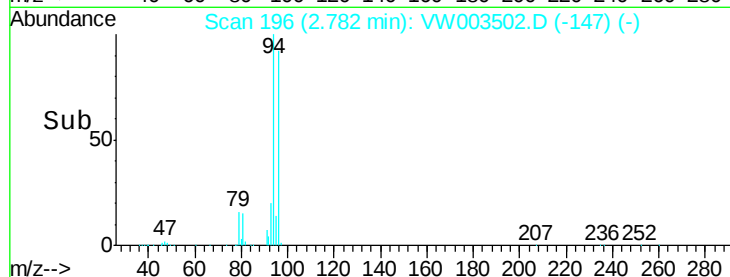
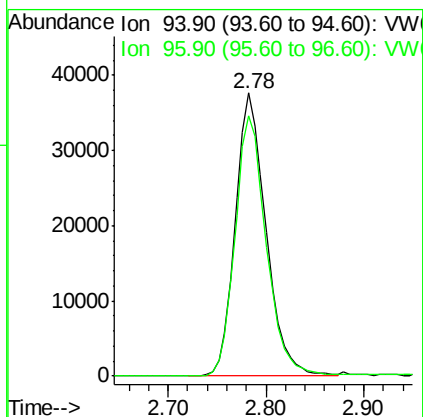
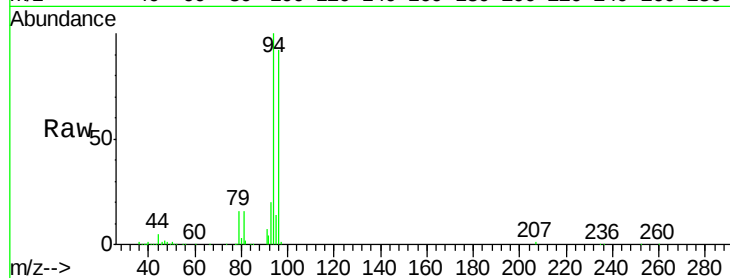
96 91.9 76.5 114.7

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#6

Chloroethane

Concen: 43.00 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003502.D

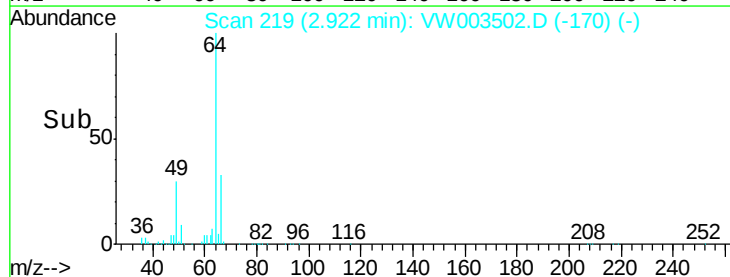
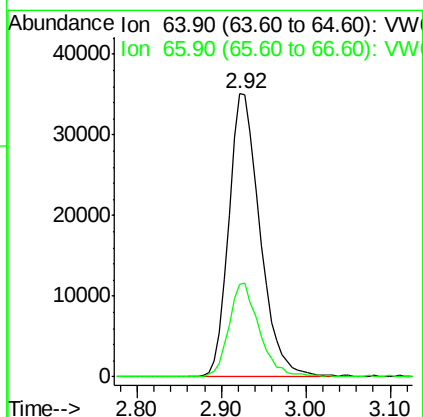
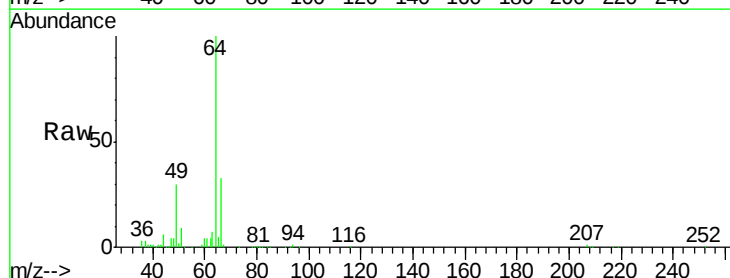
Acq: 24 Jun 2018 11:17

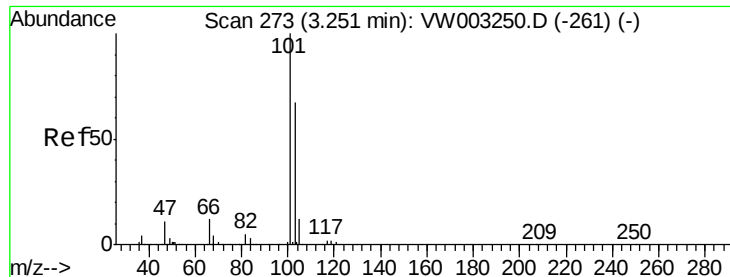
Tgt Ion: 64 Resp: 88365

Ion Ratio Lower Upper

64 100

66 32.6 24.4 36.6





#7

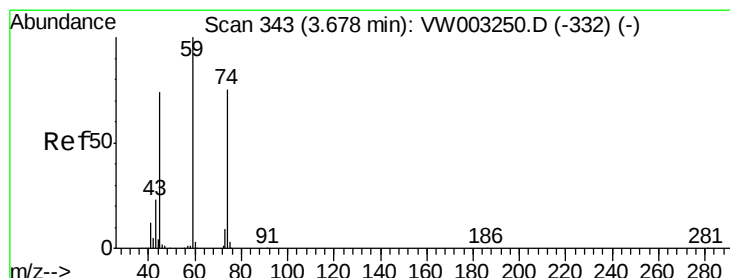
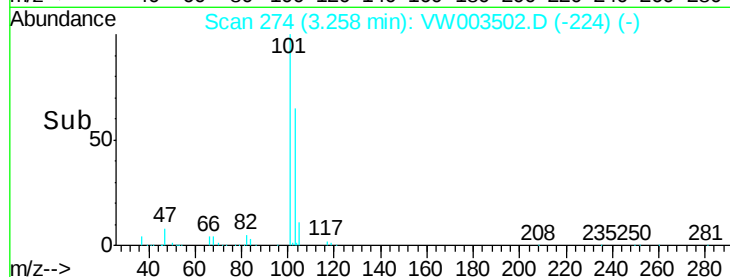
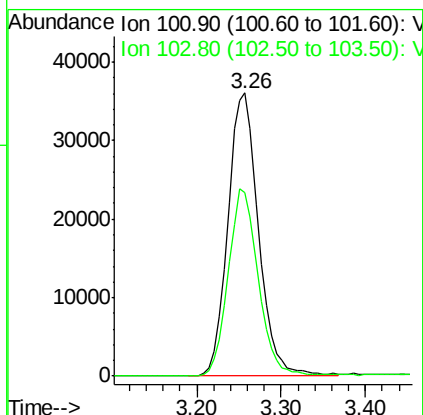
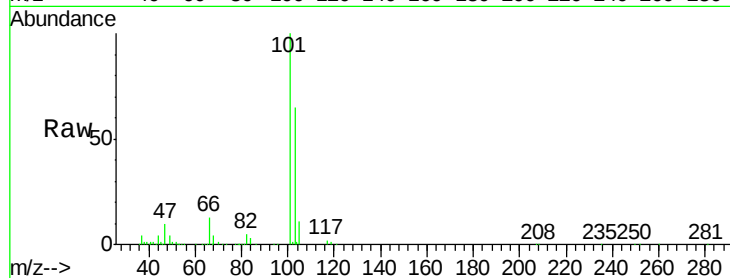
Trichlorofluoromethane
Concen: 50.30 ug/l
RT: 3.26 min Scan# 274
Delta R.T. 0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.4	80.0

Manual Integrations
APPROVED

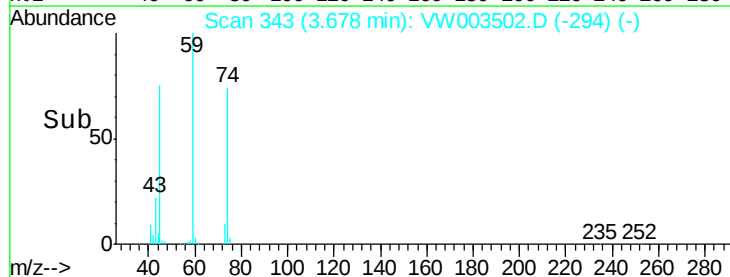
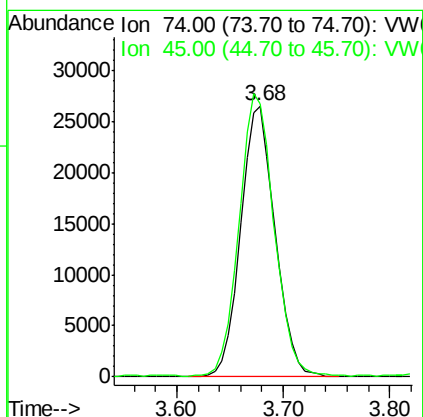
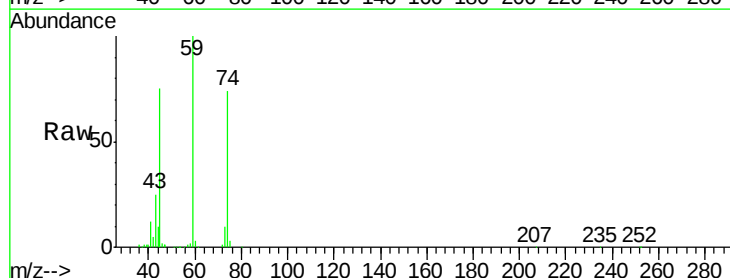
apatel
6/26/2018 12:23:58 PM

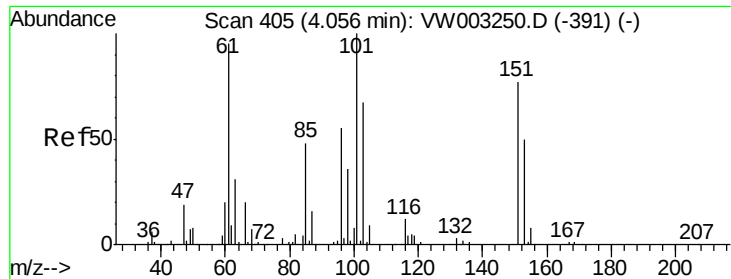


#8

Diethyl Ether
Concen: 46.34 ug/l
RT: 3.68 min Scan# 343
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.8	51.4	154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.66 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

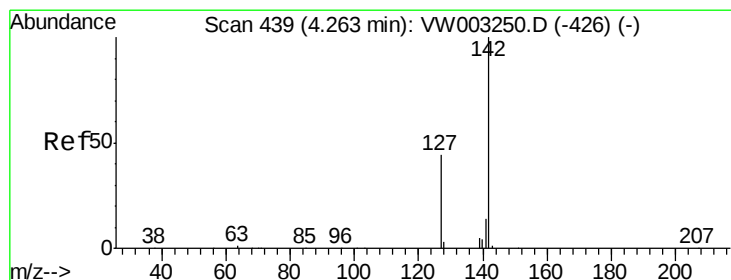
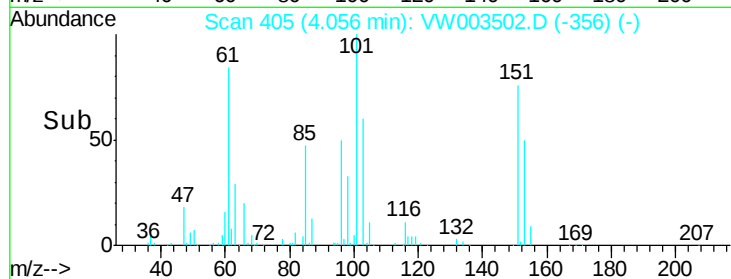
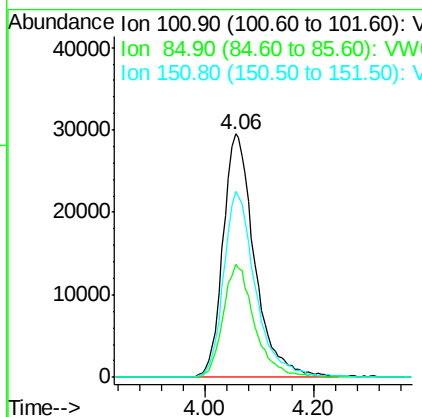
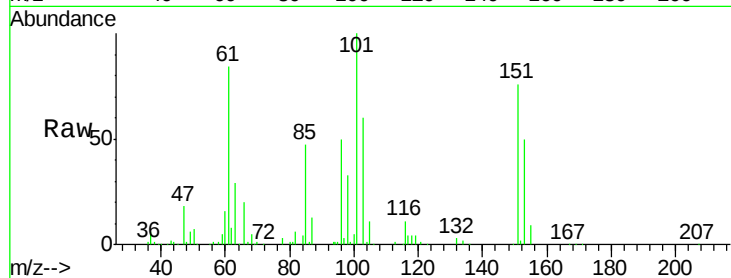
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119499
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.0	55.6
151	76.6	63.3	94.9

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#10

Methyl Iodide

Concen: 48.16 ug/l

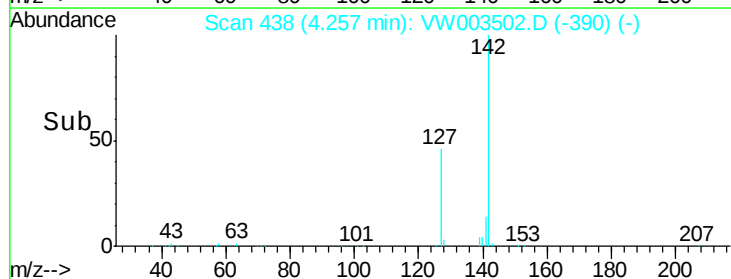
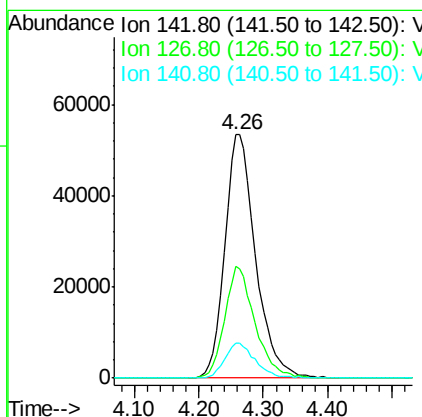
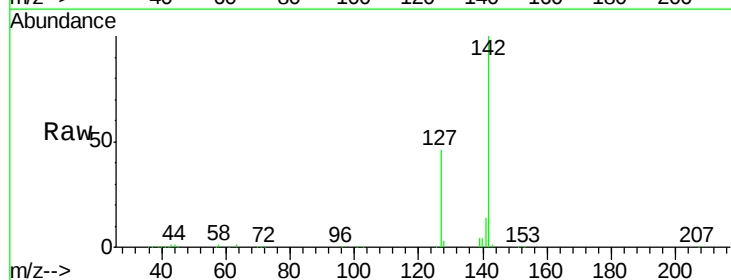
RT: 4.26 min Scan# 438

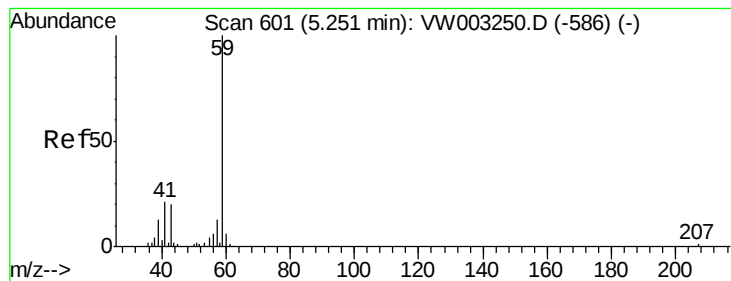
Delta R.T. -0.01 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Tgt Ion:	142	Resp:	178861
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.5	54.7
141	14.3	12.1	18.1





#11

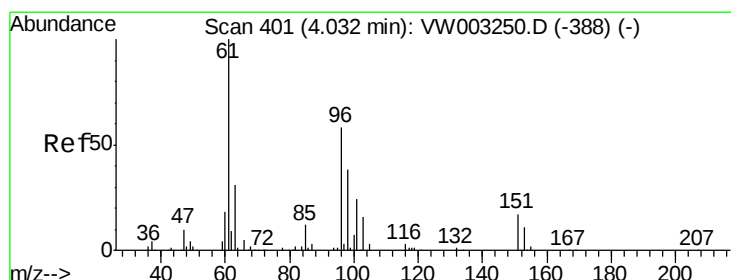
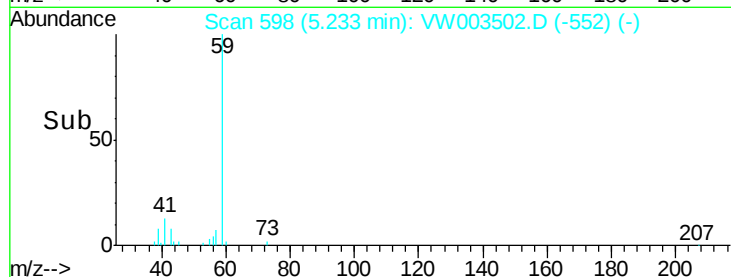
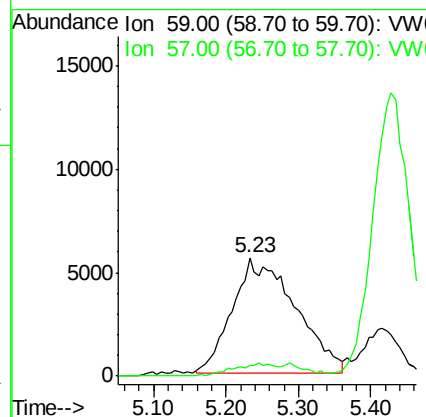
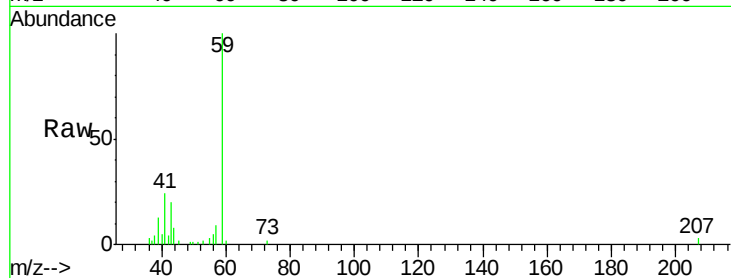
Tert butyl alcohol
Concen: 218.25 ug/l m
RT: 5.23 min Scan# 598
Delta R.T. -0.02 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.6	4.2	6.2#

Manual Integrations
APPROVED

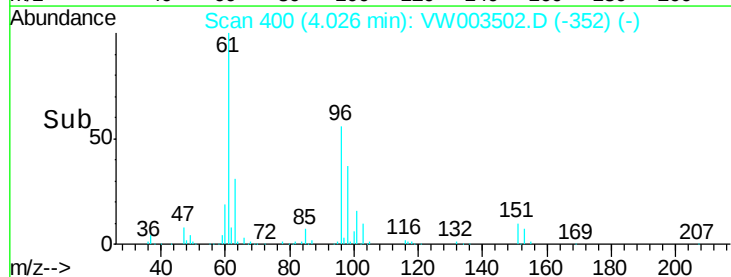
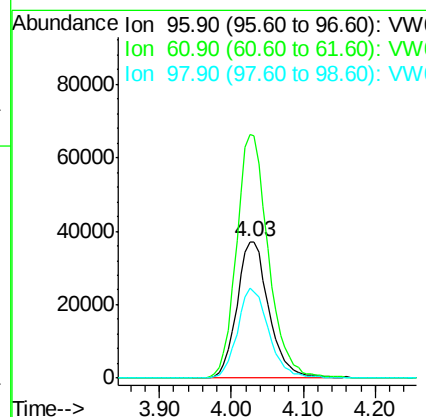
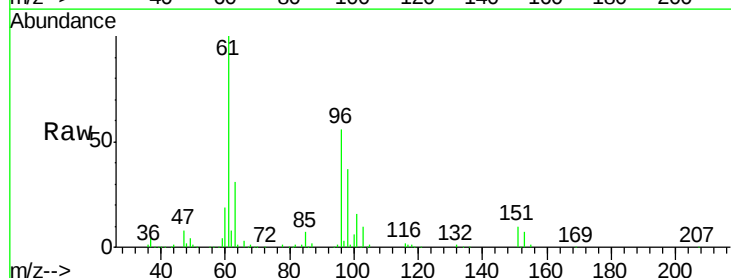
apatel
6/26/2018 12:23:58 PM

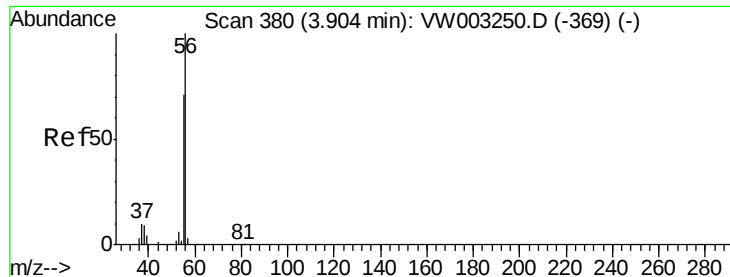


#12

1,1-Dichloroethene
Concen: 47.61 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	178.4	139.0	208.4
98	66.2	53.3	79.9





#13

Acrolein

Concen: 238.35 ug/l

RT: 3.90 min Scan# 379

Delta R.T. -0.01 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52483

Ion Ratio Lower Upper

56 100

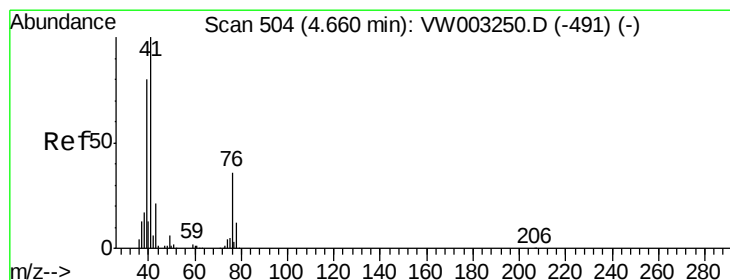
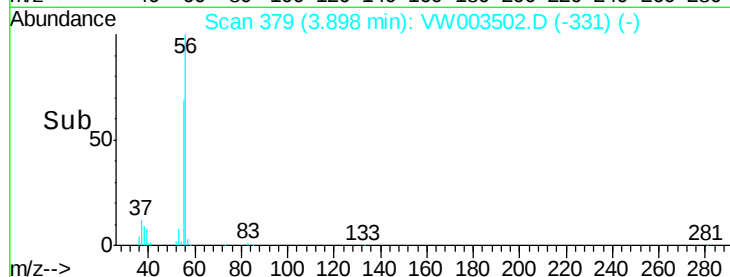
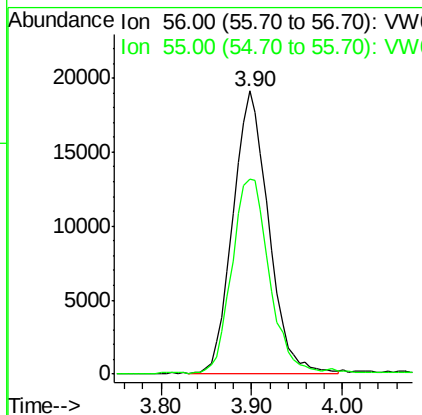
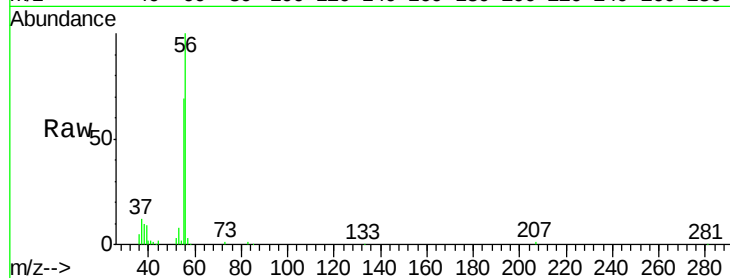
55 71.1 55.4 83.2

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#14

Allyl chloride

Concen: 49.03 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

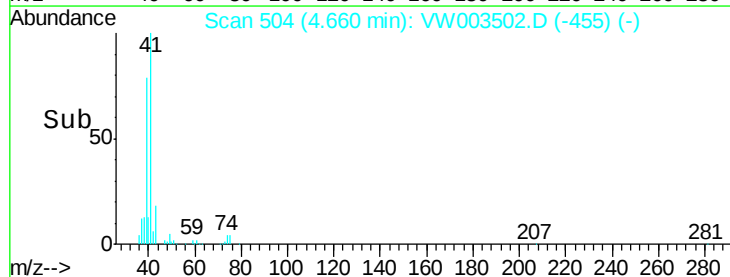
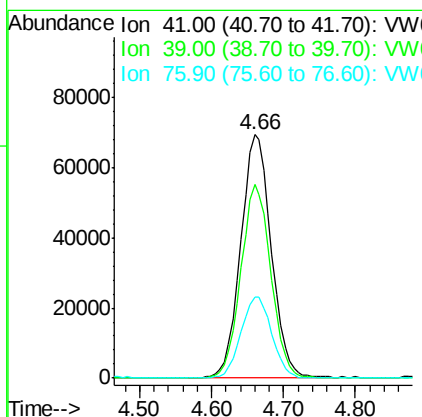
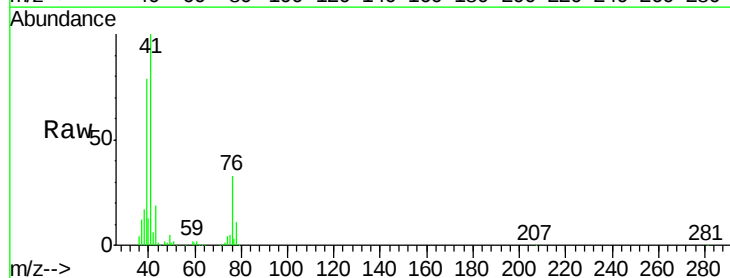
Tgt Ion: 41 Resp: 203835

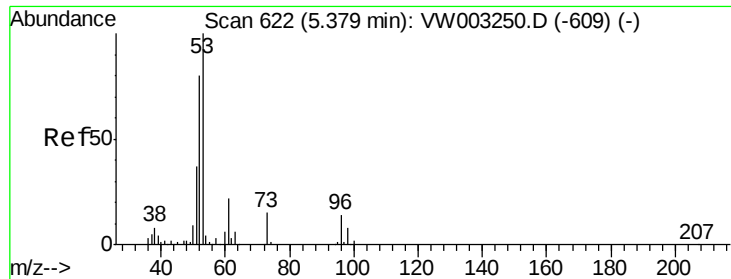
Ion Ratio Lower Upper

41 100

39 78.2 63.2 94.8

76 33.8 28.0 42.0





#15

Acrylonitrile

Concen: 233.51 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

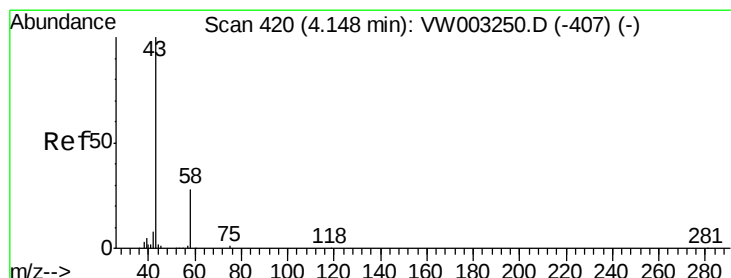
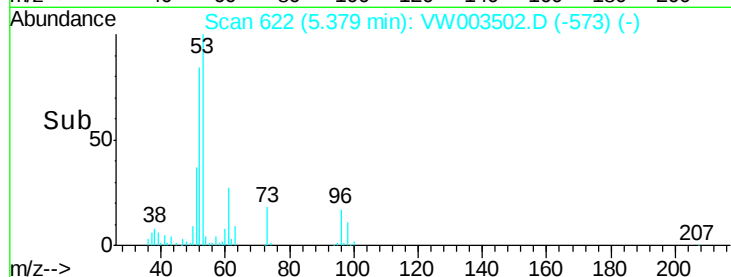
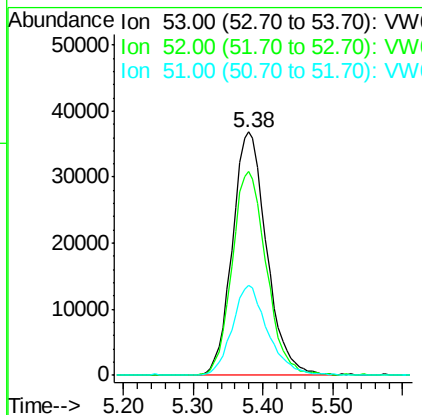
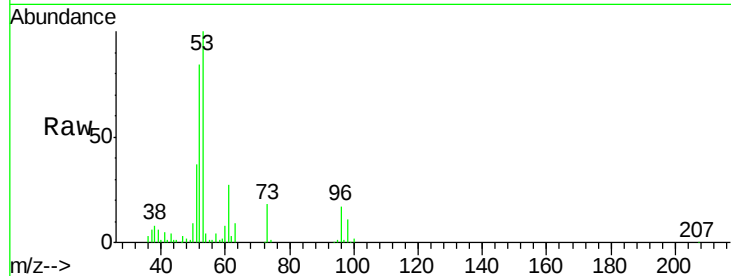
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	124820
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.6	100.0
51	37.7	30.6	46.0

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#16

Acetone

Concen: 245.60 ug/l

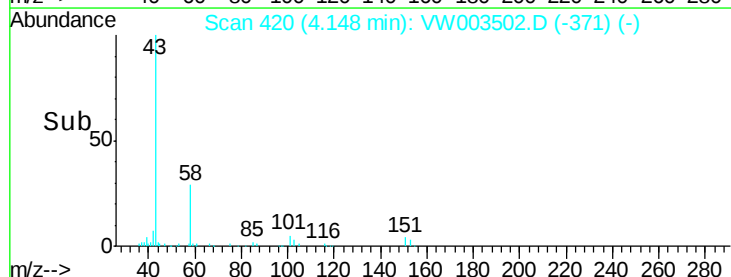
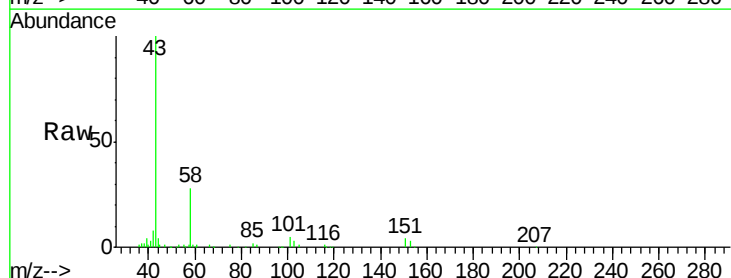
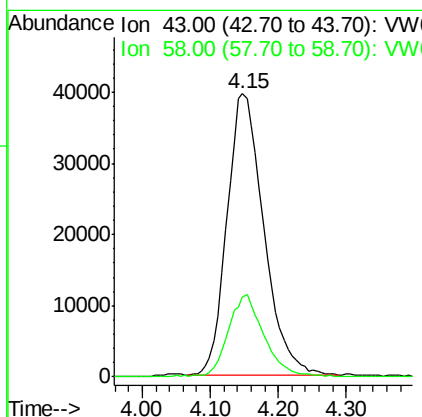
RT: 4.15 min Scan# 420

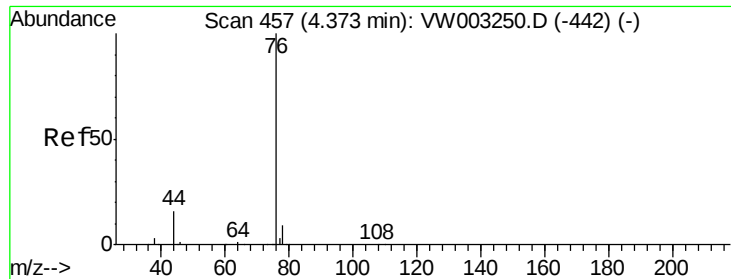
Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Tgt Ion:	43	Resp:	147915
Ion Ratio	Lower	Upper	
43	100		
58	28.4	22.6	34.0





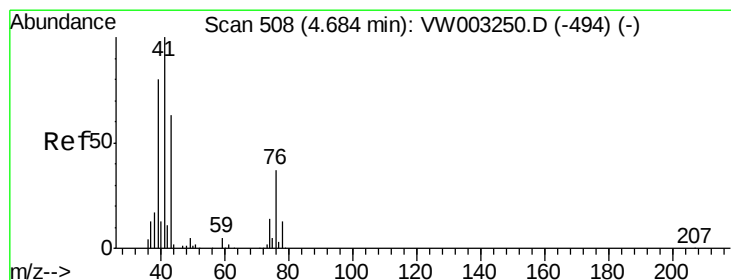
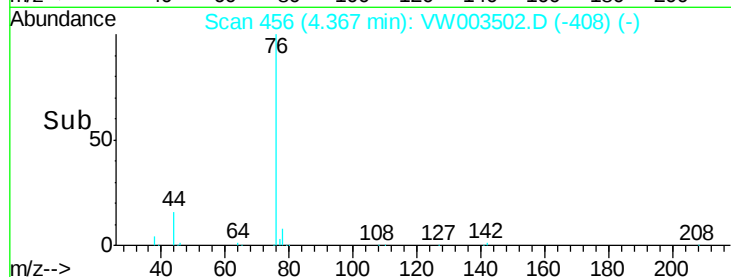
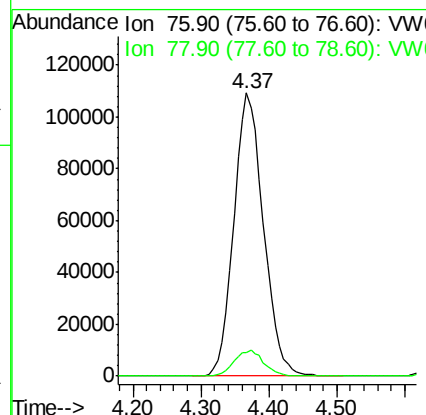
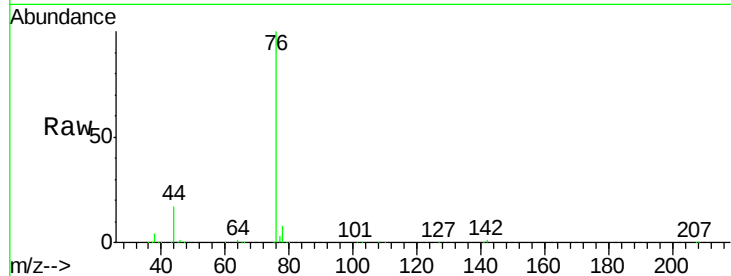
#17
Carbon Disulfide
Concen: 46.47 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.1	10.7

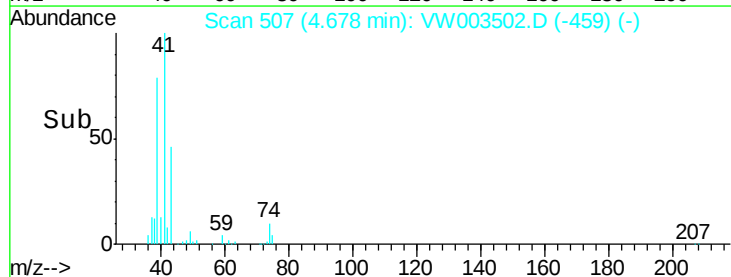
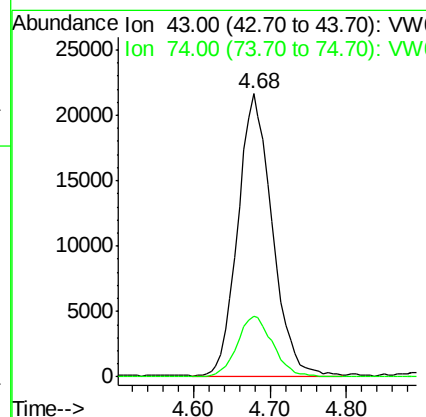
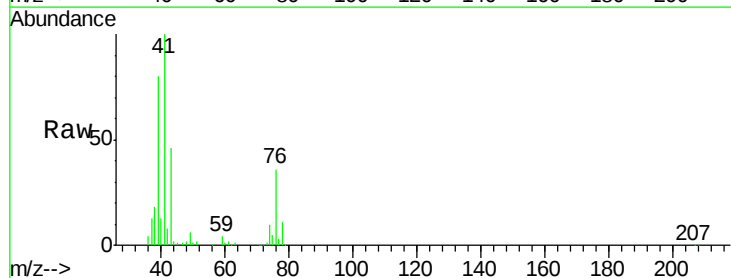
Manual Integrations
APPROVED

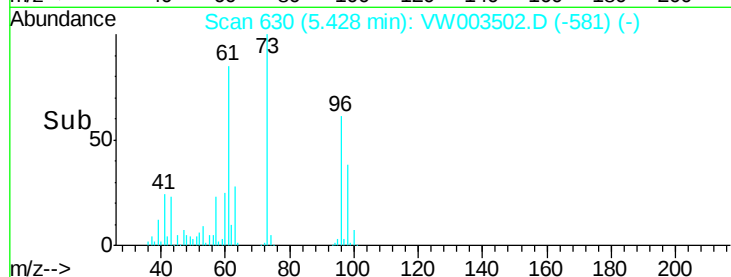
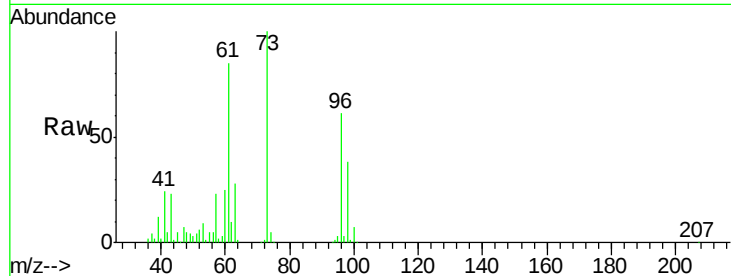
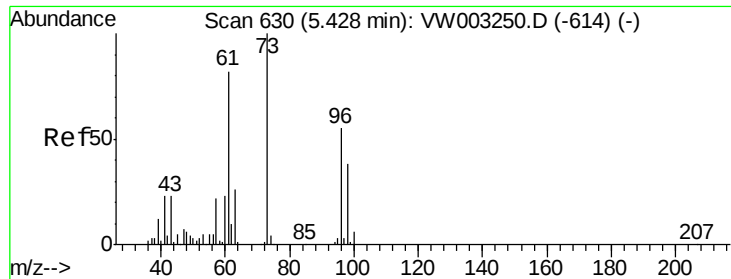
apatel
6/26/2018 12:23:58 PM



#18
Methyl Acetate
Concen: 47.55 ug/l
RT: 4.68 min Scan# 507
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.7	28.1





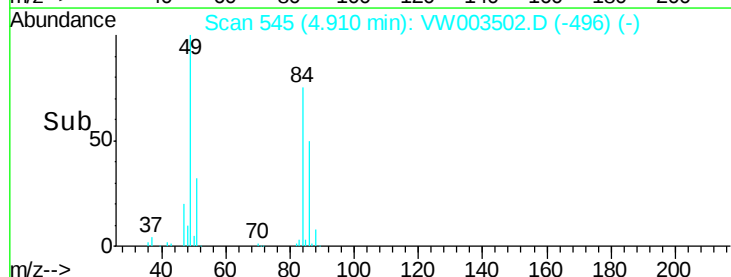
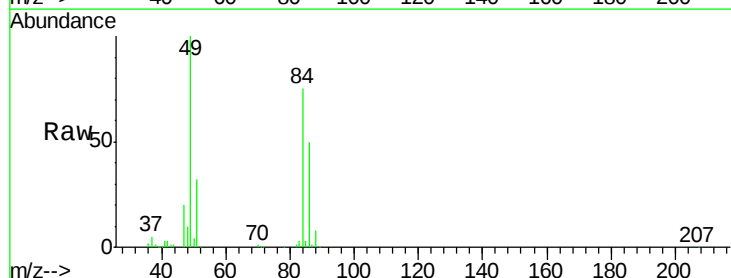
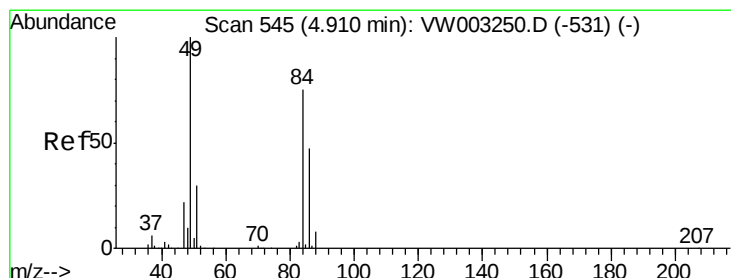
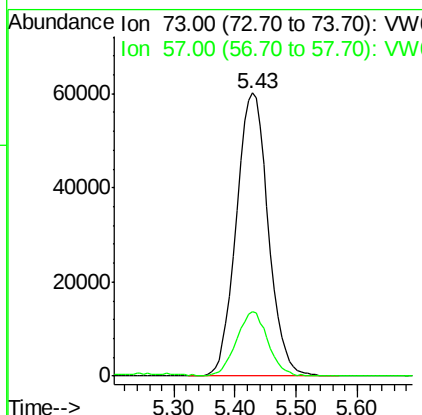
#19
Methvl tert-butvl Ether
Concen: 48.42 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tot Ion: 73 Resp: 217654
Ion Ratio Lower Upper
73 100
57 22.8 18.0 27.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

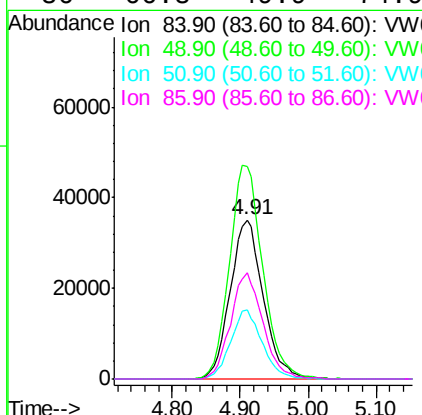
Manual Integrations
APPROVED

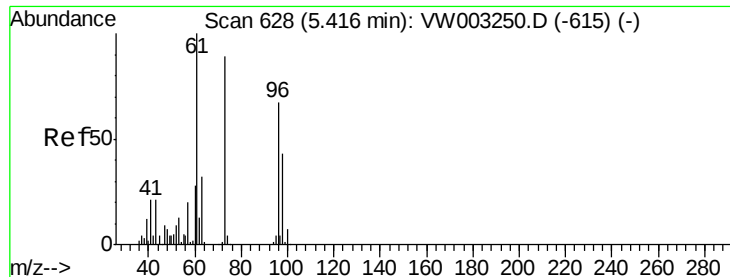
apatel
6/26/2018 12:23:58 PM



#20
Methylene Chloride
Concen: 45.92 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion: 84 Resp: 118260
Ion Ratio Lower Upper
84 100
49 133.4 106.3 159.5
51 43.2 32.0 48.0
86 66.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 48.05 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

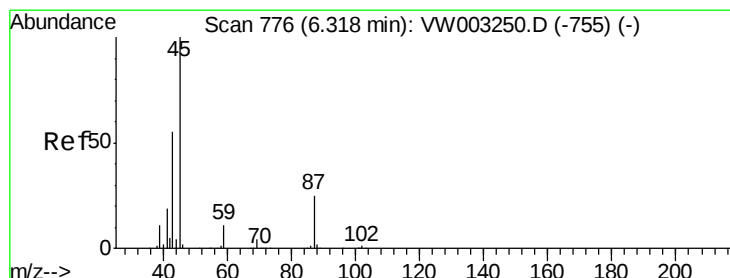
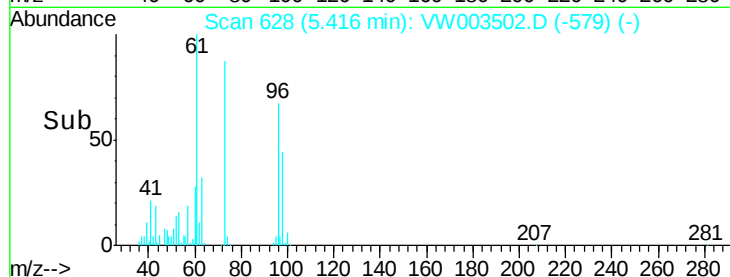
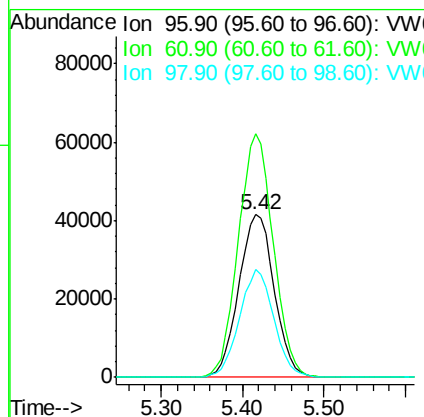
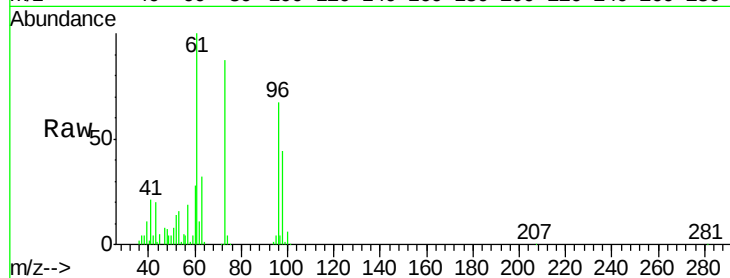
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	125500
Ion	Ratio	Lower	Upper
96	100		
61	149.4	118.7	178.1
98	66.4	51.0	76.6

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#22

Diisopropyl ether

Concen: 49.60 ug/l

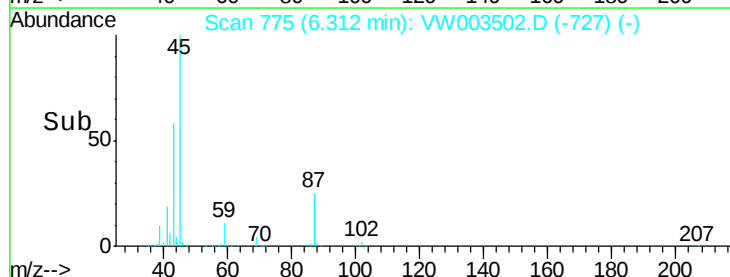
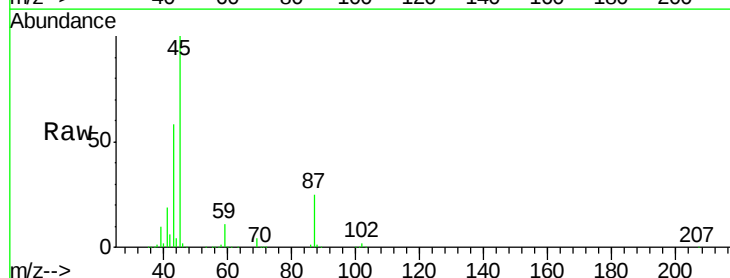
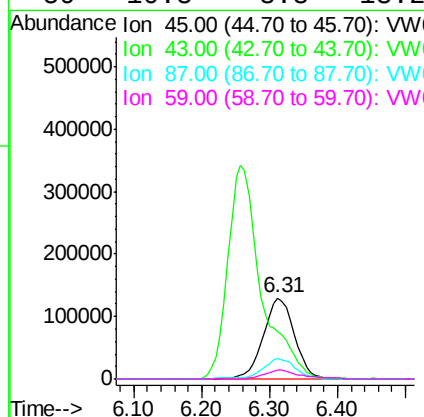
RT: 6.31 min Scan# 775

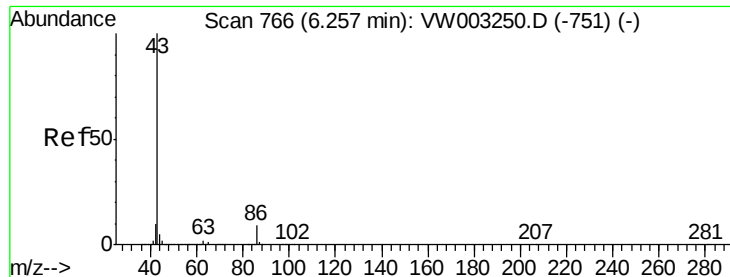
Delta R.T. -0.01 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Tgt Ion:	45	Resp:	415017
Ion	Ratio	Lower	Upper
45	100		
43	57.9	44.0	66.0
87	25.0	20.6	31.0
59	10.8	8.8	13.2





#23

Vinyl Acetate

Concen: 242.31 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1168277

Ion Ratio Lower Upper

43 100

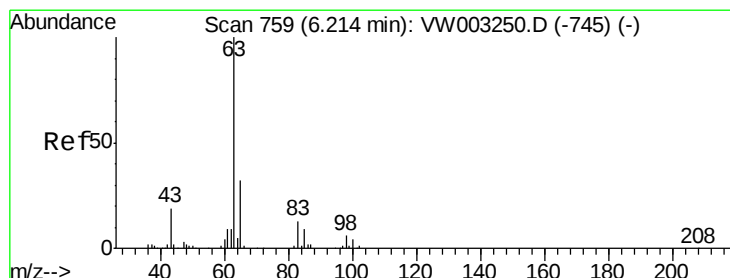
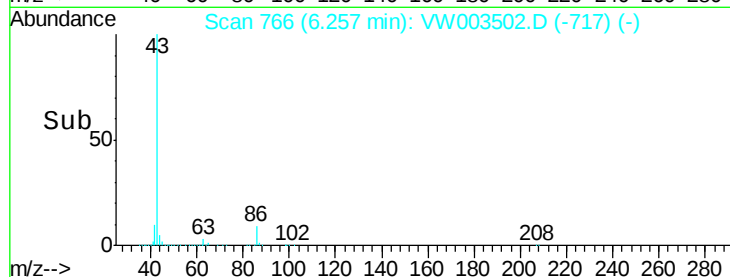
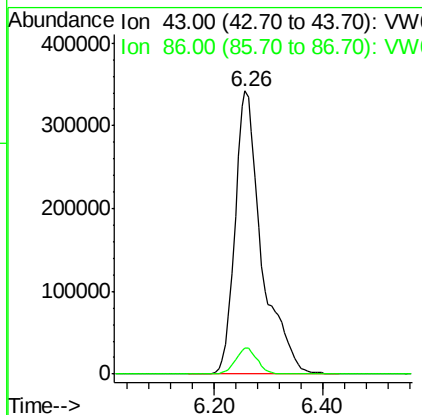
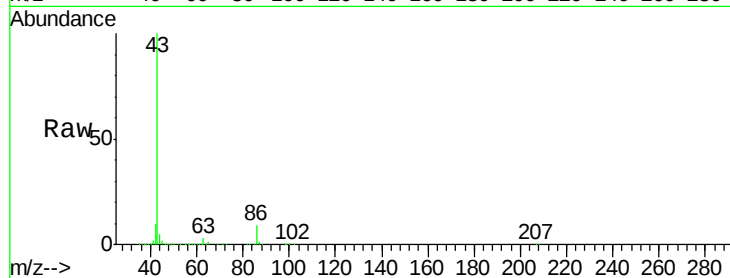
86 9.2 7.5 11.3

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#24

1,1-Dichloroethane

Concen: 48.70 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

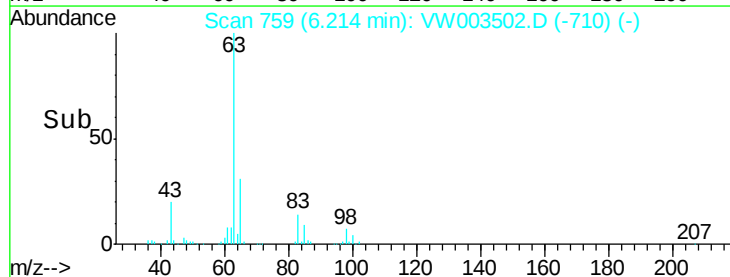
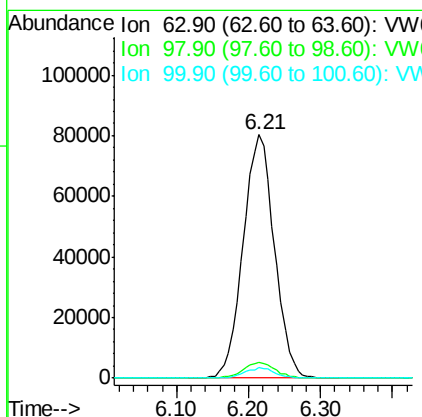
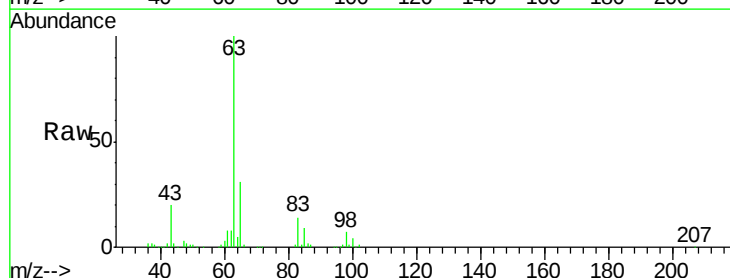
Tgt Ion: 63 Resp: 241875

Ion Ratio Lower Upper

63 100

98 6.7 2.8 8.3

100 4.4 2.1 6.5





#25

2-Butanone

Concen: 248.32 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 185971

Ion Ratio Lower Upper

43 100

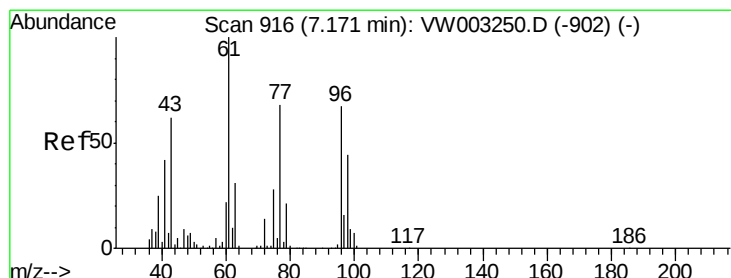
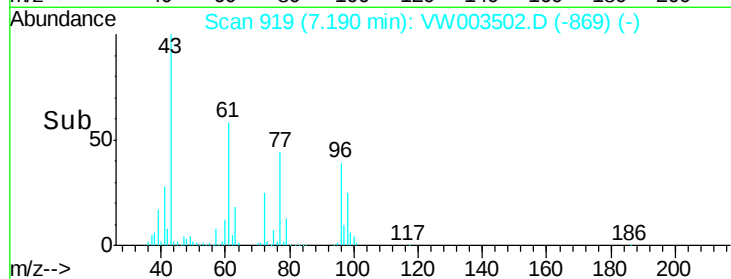
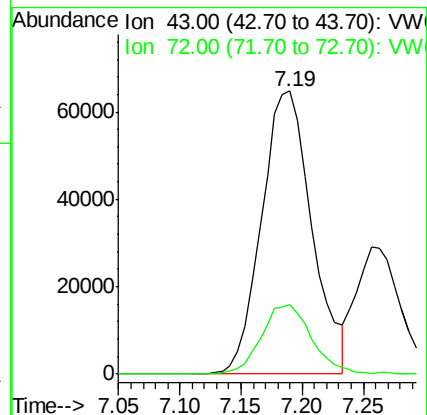
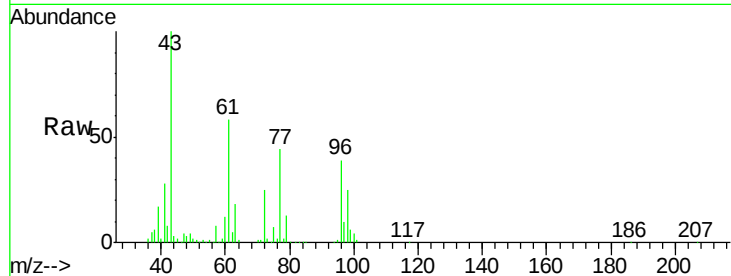
72 24.8 20.3 30.5

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#26

2,2-Dichloropropane

Concen: 48.56 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW003502.D

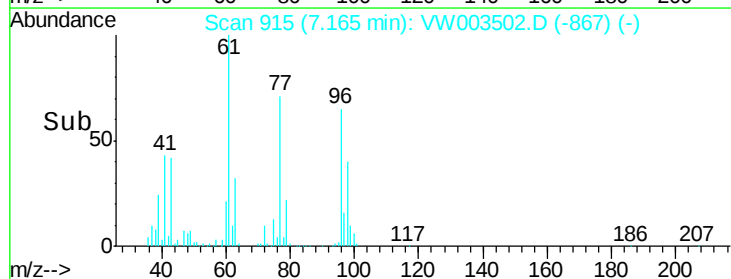
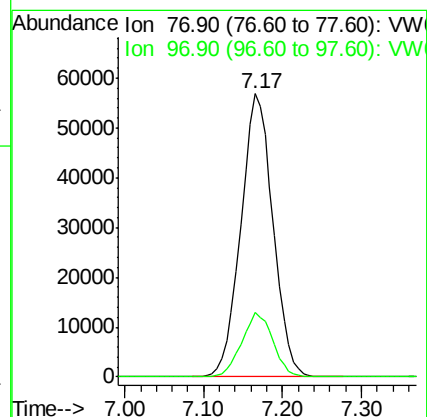
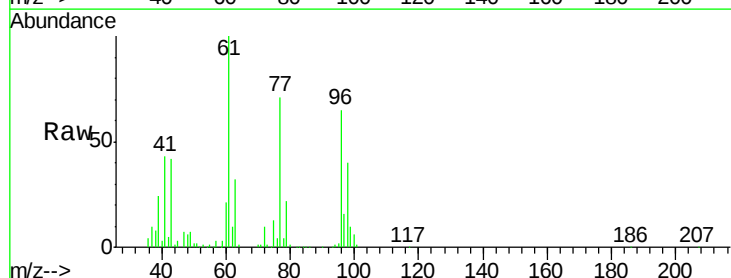
Acq: 24 Jun 2018 11:17

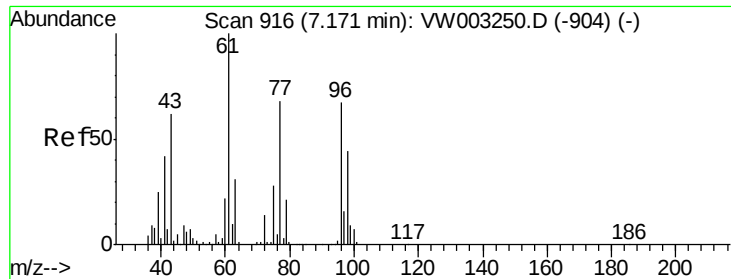
Tgt Ion: 77 Resp: 160969

Ion Ratio Lower Upper

77 100

97 22.2 11.3 33.9





#27

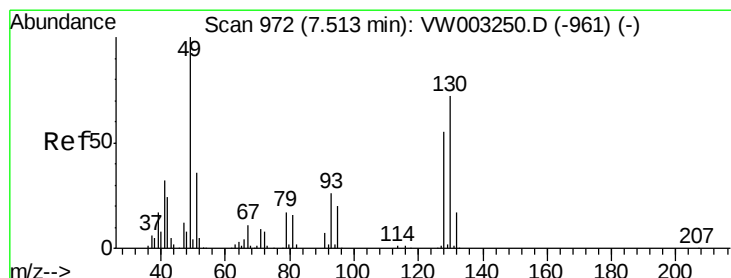
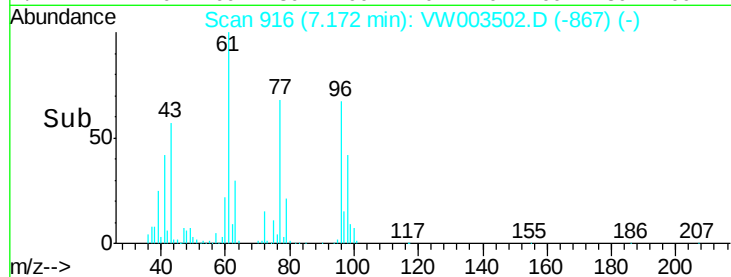
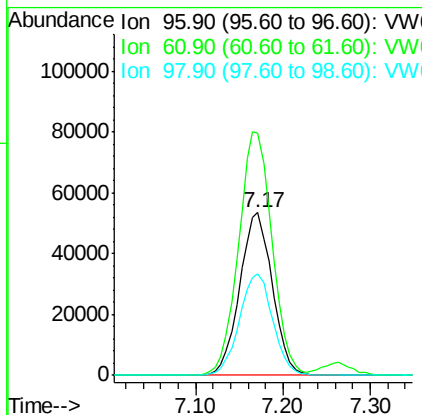
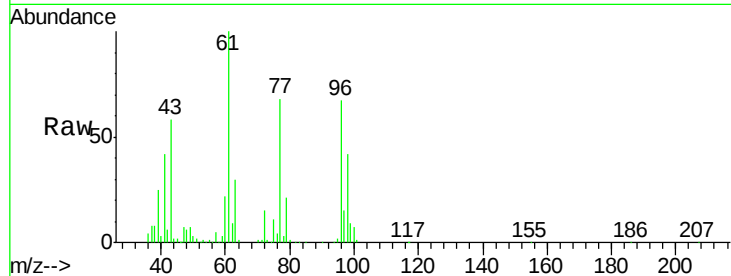
cis-1,2-Dichloroethene
Concen: 48.27 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	0.0	298.8
98	63.5	0.0	130.4

Manual Integrations
APPROVED

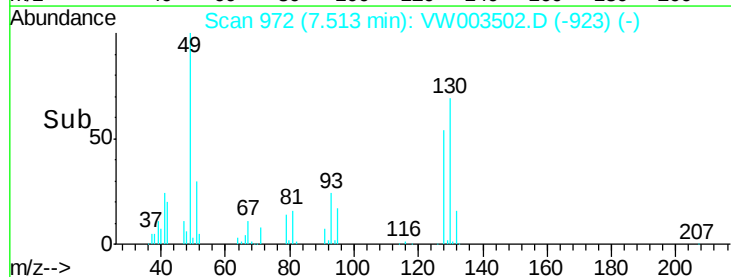
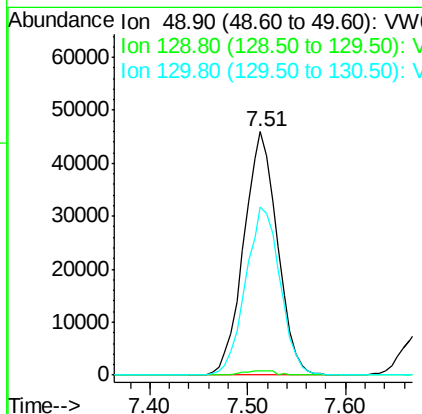
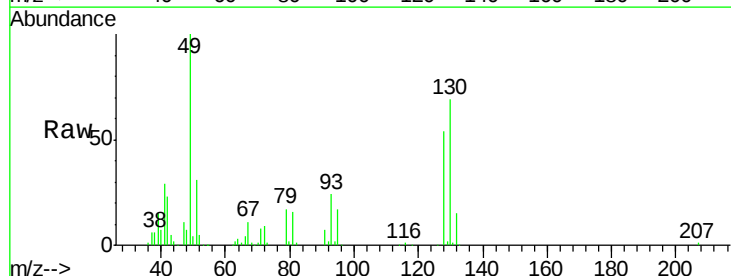
apatel
6/26/2018 12:23:58 PM

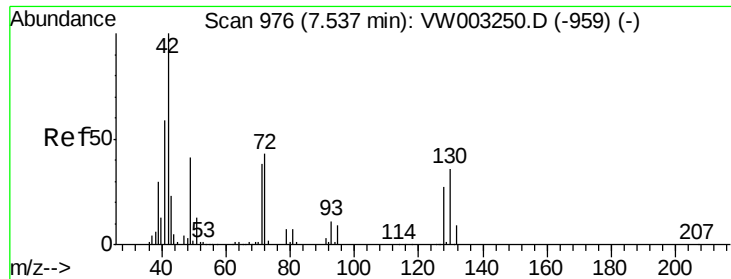


#28

Bromochloromethane
Concen: 53.12 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	71.1	59.4	89.2





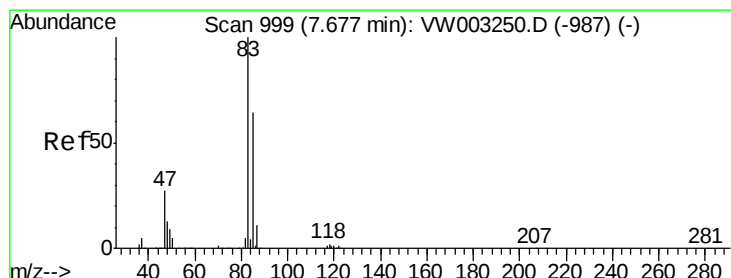
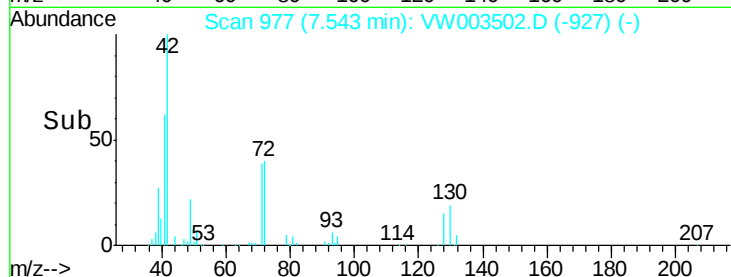
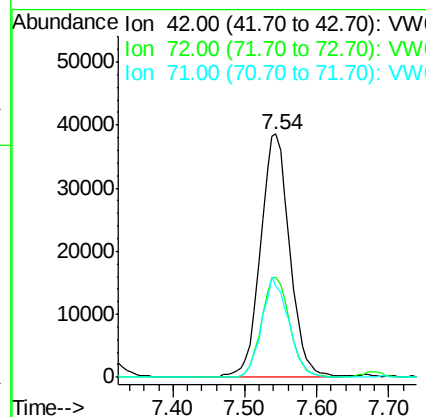
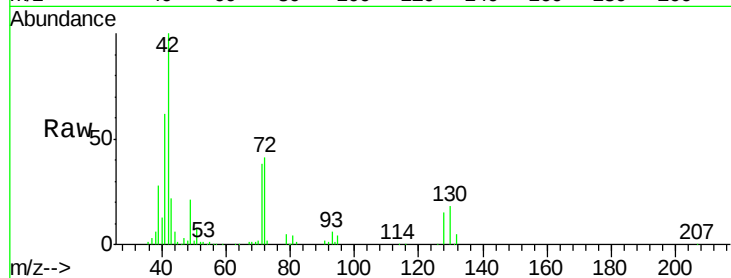
#29
Tetrahydrofuran
Concen: 238.12 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.4	48.6
71	38.0	31.2	46.8

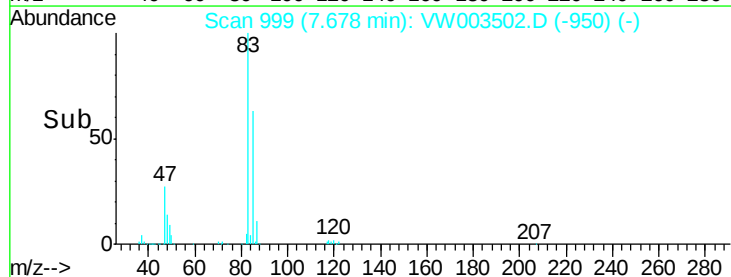
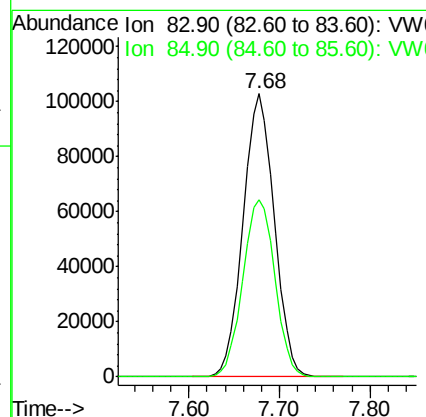
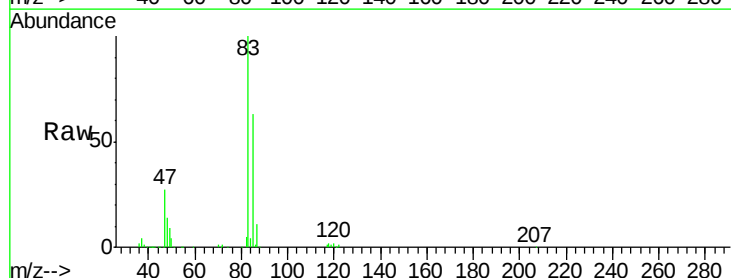
Manual Integrations
APPROVED

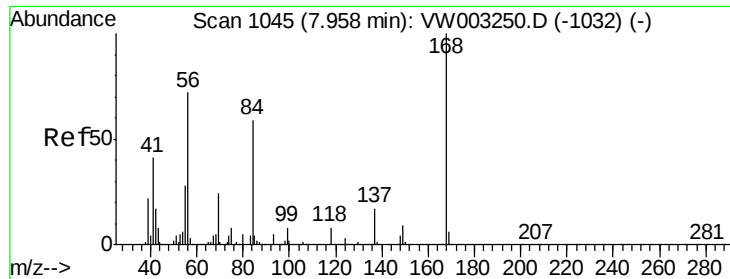
apatel
6/26/2018 12:23:58 PM



#30
Chloroform
Concen: 48.49 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.3	76.9





#31

Cyclohexane

Concen: 46.85 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

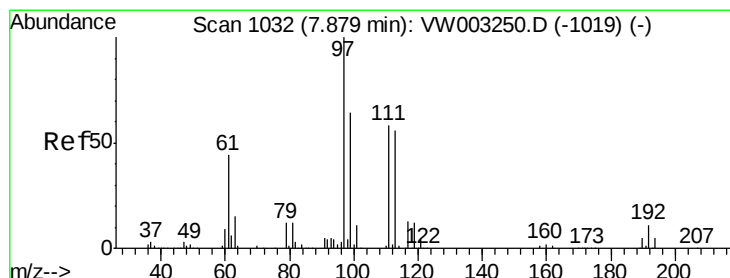
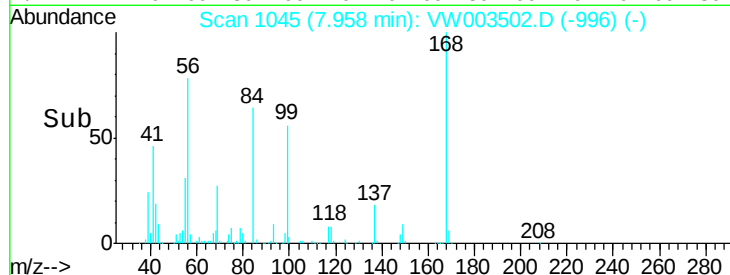
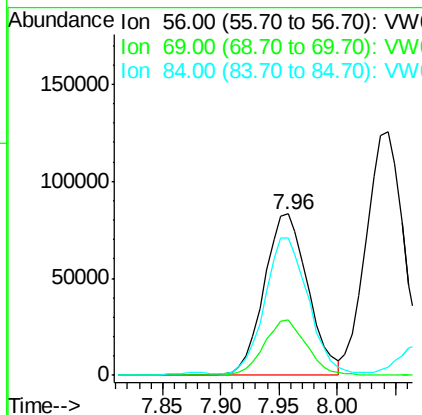
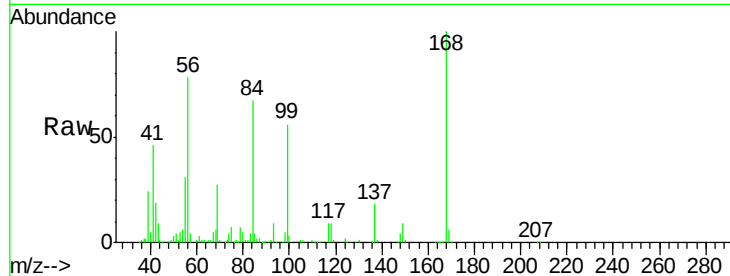
ClientSampleId :

VSTDCCC050

Tot Ion	56	Resp	217395
Ion	Ratio	Lower	Upper
56	100		
69	34.3	26.3	39.5
84	83.3	65.7	98.5

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#32

1,1,1-Trichloroethane

Concen: 48.89 ug/l

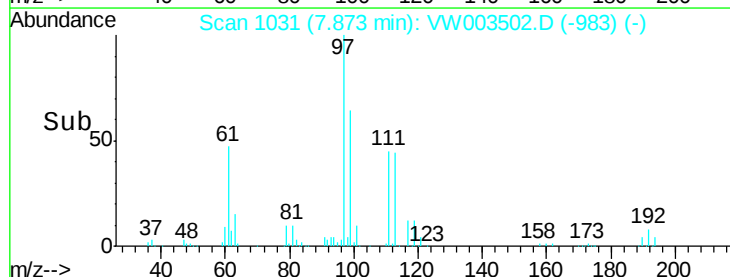
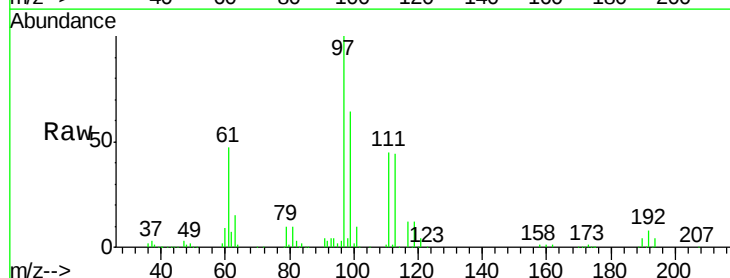
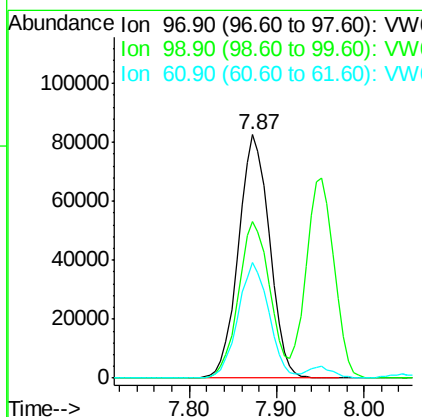
RT: 7.87 min Scan# 1031

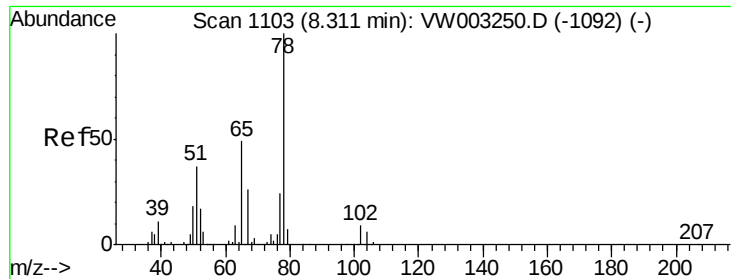
Delta R.T. -0.01 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Tgt Ion	97	Resp	204211
Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.7	77.5
61	47.4	37.6	56.4





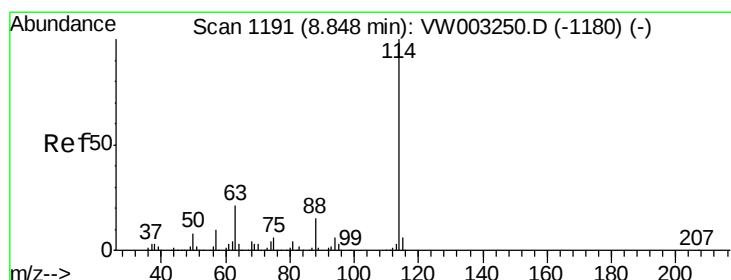
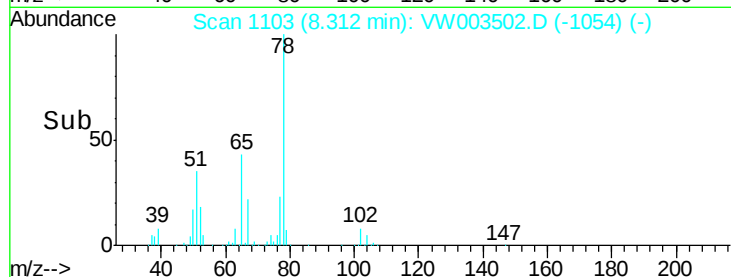
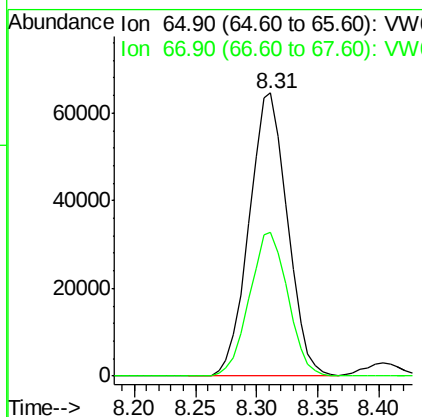
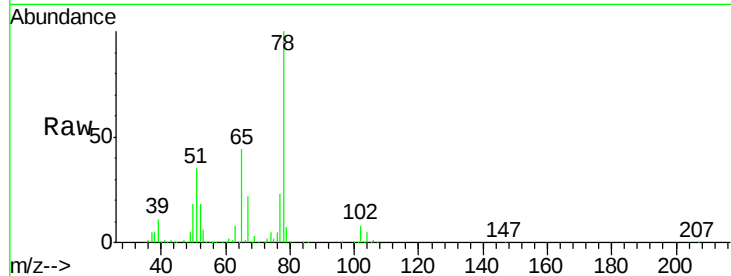
#33
 1,2-Dichloroethane-d4
 Concen: 49.09 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	140961		
67	51.2	0.0	104.2	

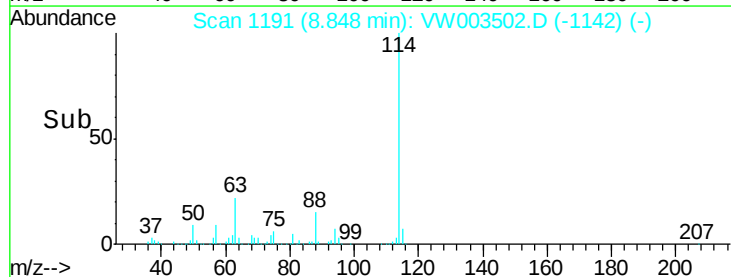
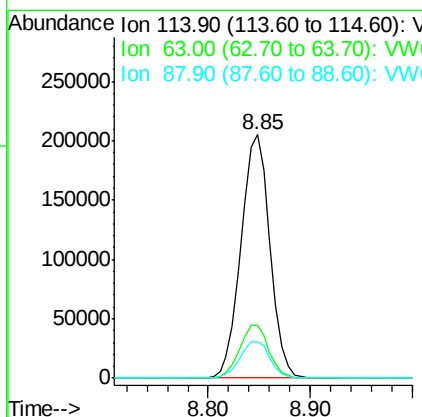
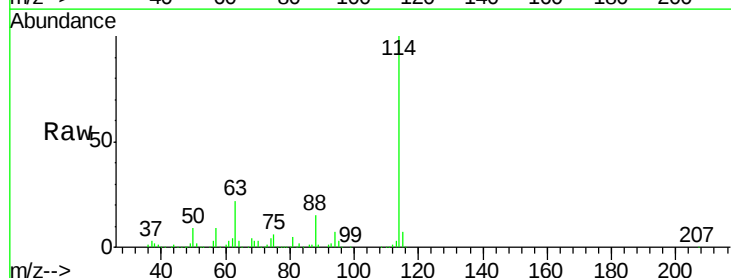
Manual Integrations
 APPROVED

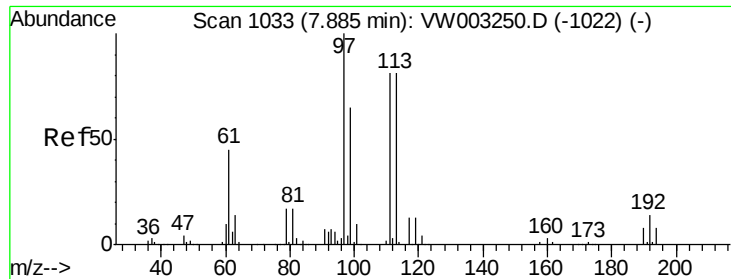
apatel
 6/26/2018 12:23:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403010		
63	21.7	0.0	43.0	
88	15.2	0.0	29.6	





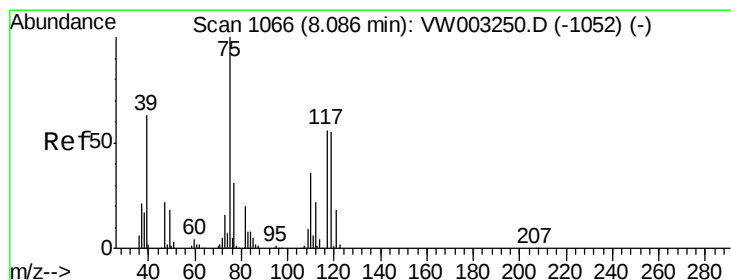
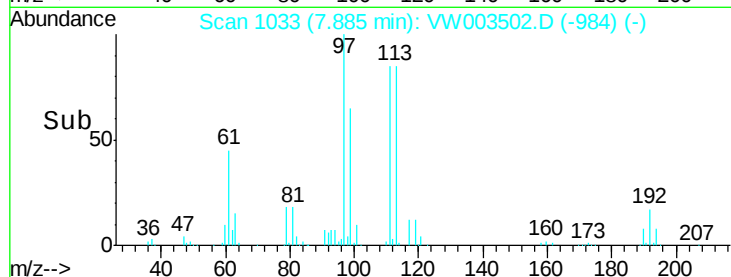
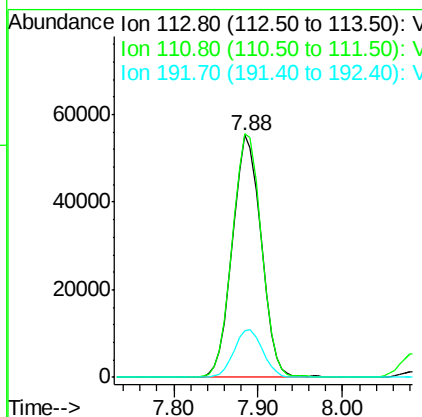
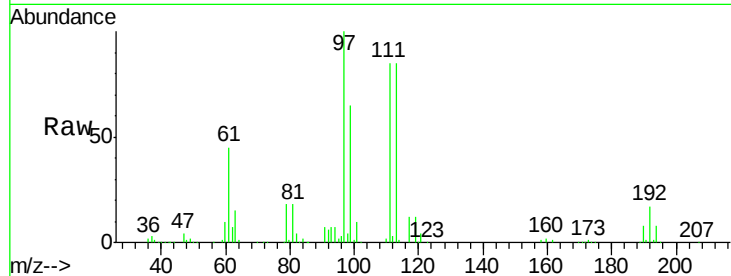
#35
 Dibromofluoromethane
 Concen: 51.05 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127851		
111	101.9	82.2	123.2	
192	19.7	16.2	24.2	

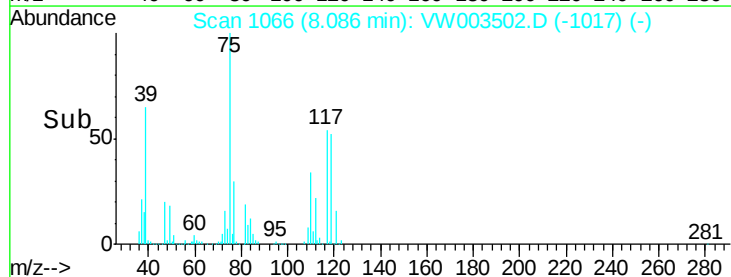
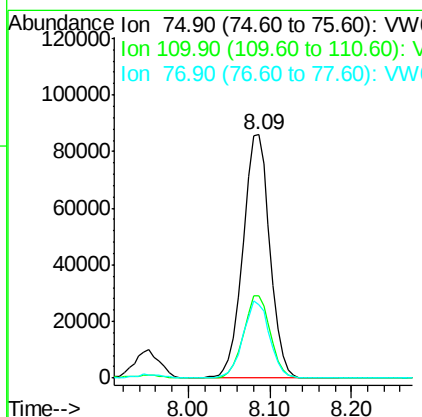
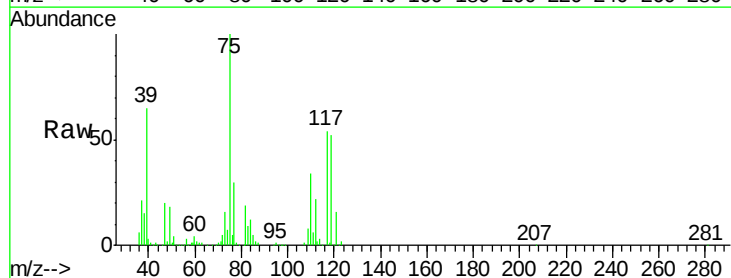
Manual Integrations
 APPROVED

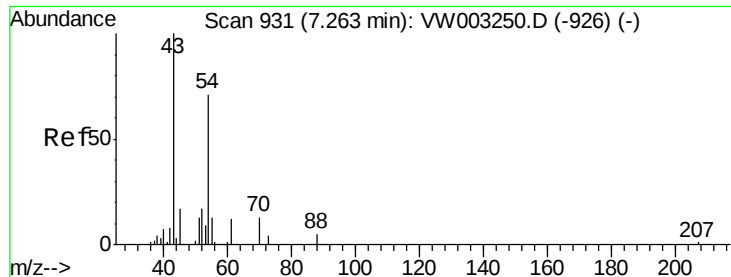
apatel
 6/26/2018 12:23:58 PM



#36
 1,1-Dichloropropene
 Concen: 50.49 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196500		
110	33.7	17.1	51.3	
77	31.4	24.9	37.3	





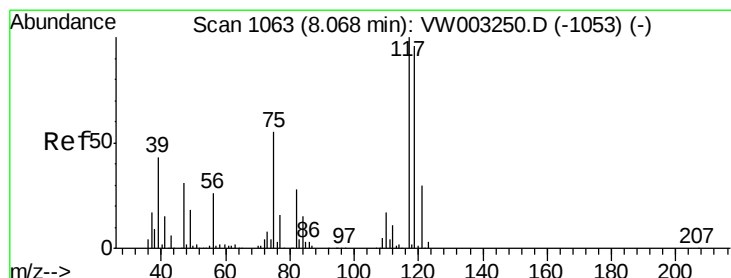
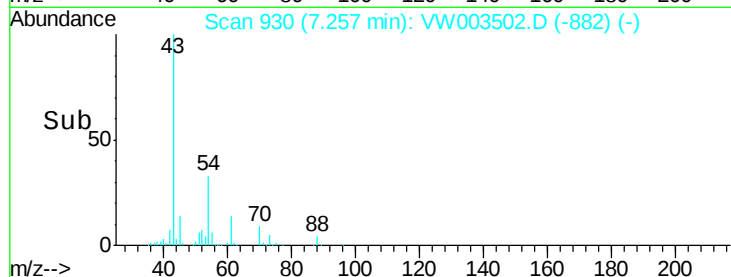
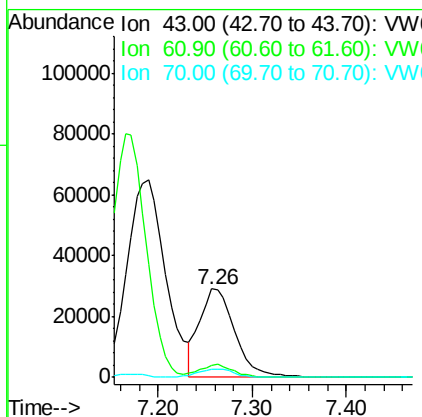
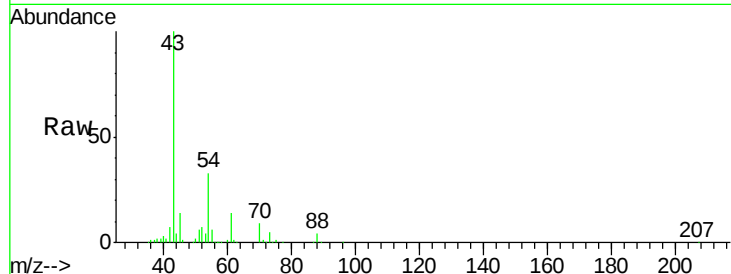
#37
Ethyl Acetate
Concen: 46.36 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.8	16.2
70	9.7	7.8	11.6

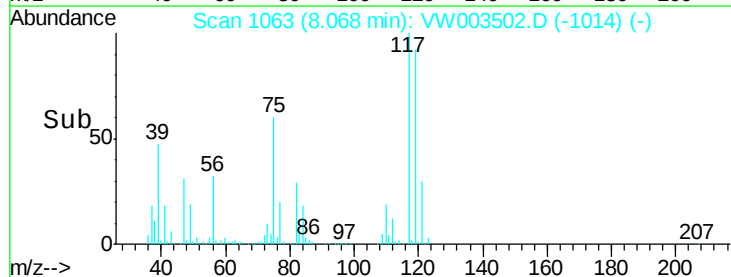
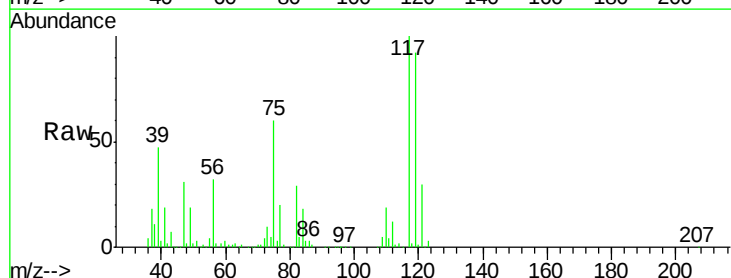
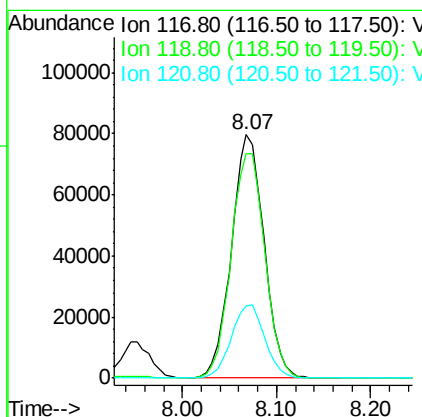
Manual Integrations
APPROVED

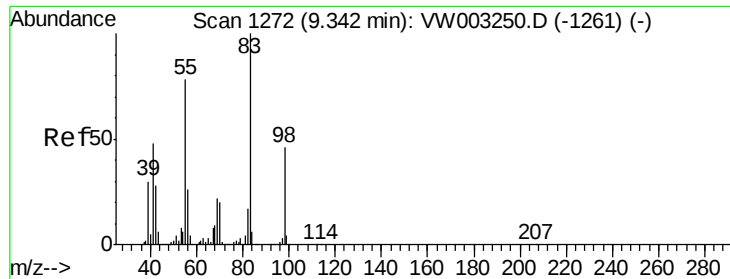
apatel
6/26/2018 12:23:58 PM



#38
Carbon Tetrachloride
Concen: 50.26 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	76.6	115.0
121	29.6	23.9	35.9





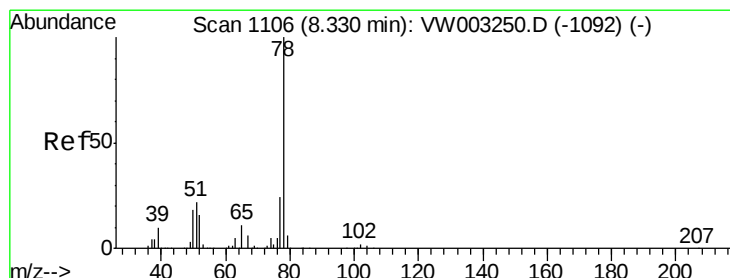
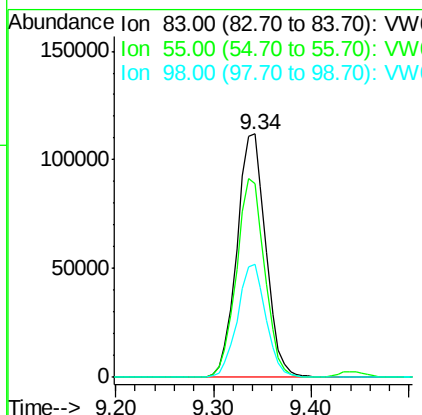
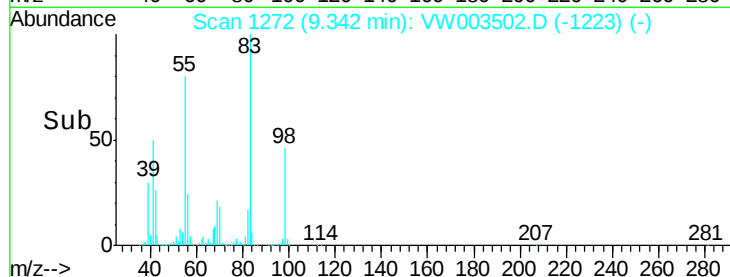
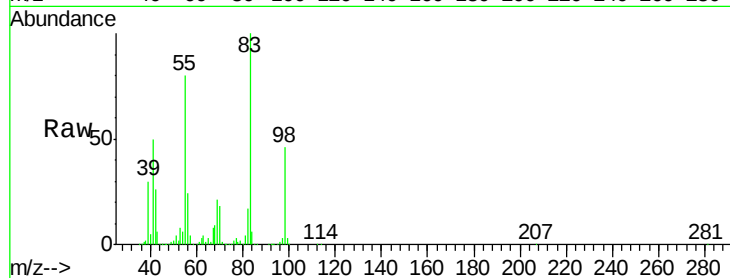
#39
Methvlcvclohexane
Concen: 50.91 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	62.6	93.8
98	46.2	37.0	55.4

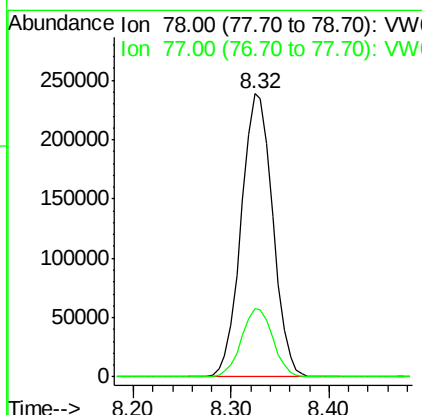
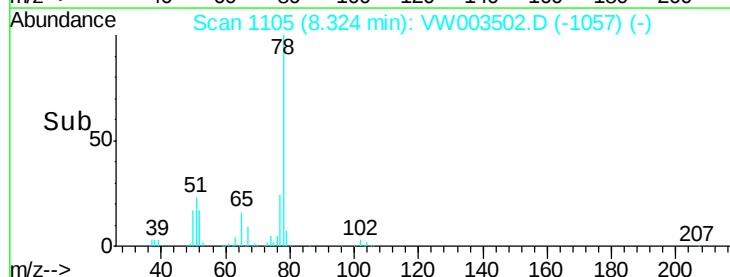
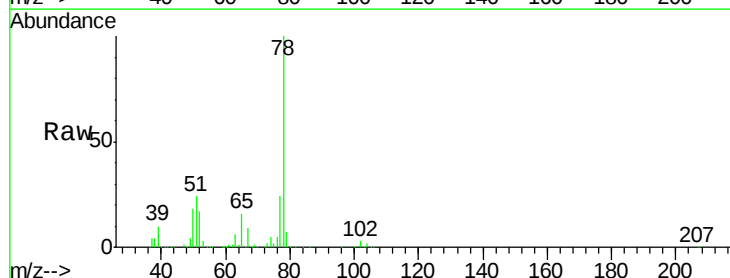
Manual Integrations
APPROVED

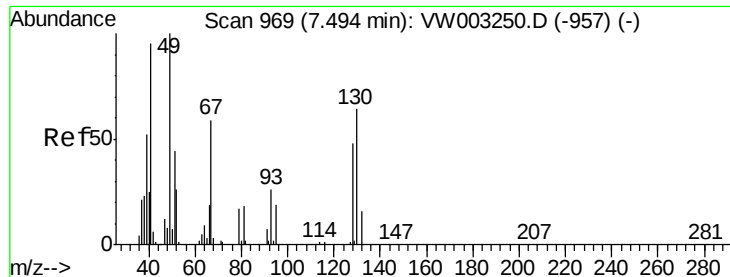
apatel
6/26/2018 12:23:58 PM



#40
Benzene
Concen: 49.73 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





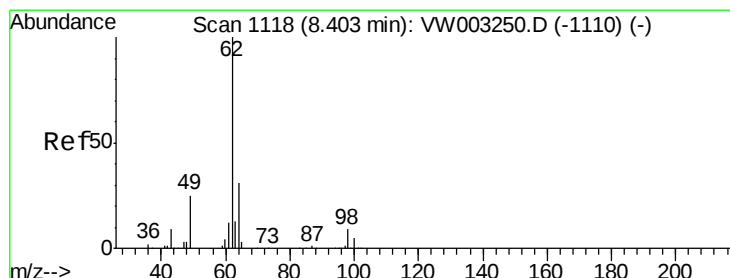
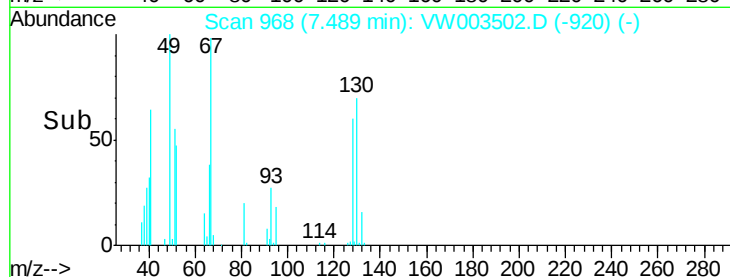
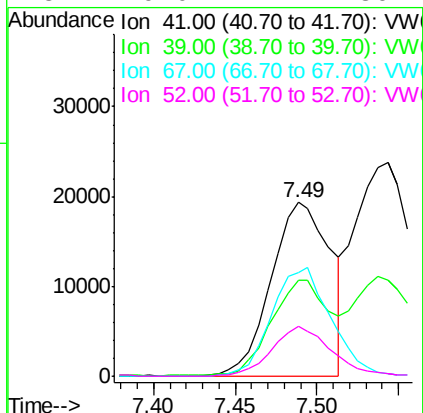
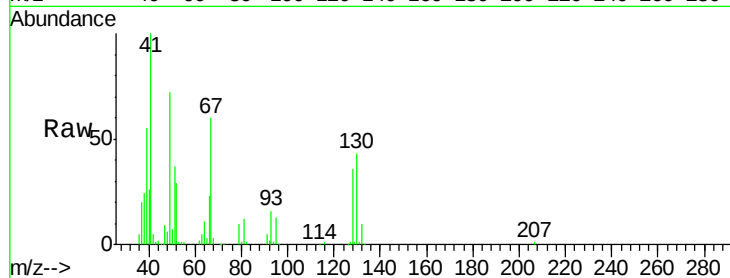
#41
Methacrylonitrile
Concen: 49.44 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	48922
Ion	Ratio	Lower	Upper
41	100		
39	53.4	45.8	68.8
67	62.6	52.3	78.5
52	29.0	24.1	36.1

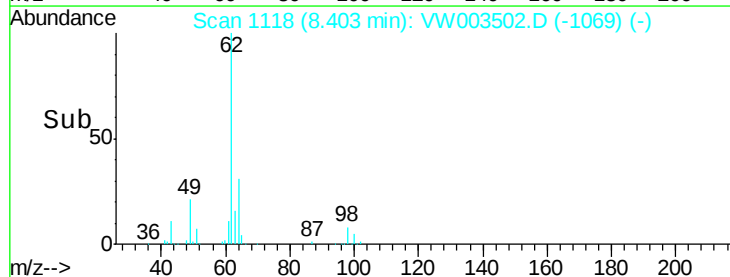
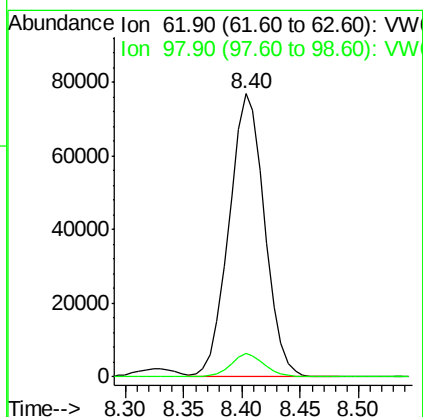
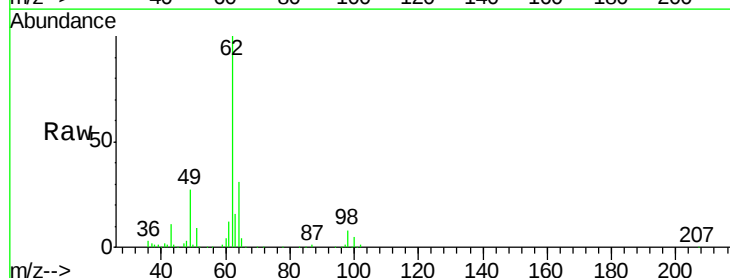
Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#42
1,2-Dichloroethane
Concen: 48.66 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	62	Resp	163542
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	17.2





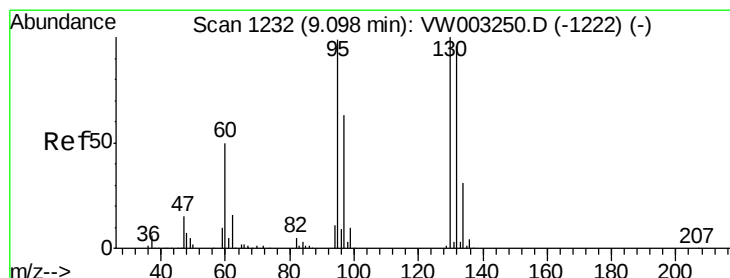
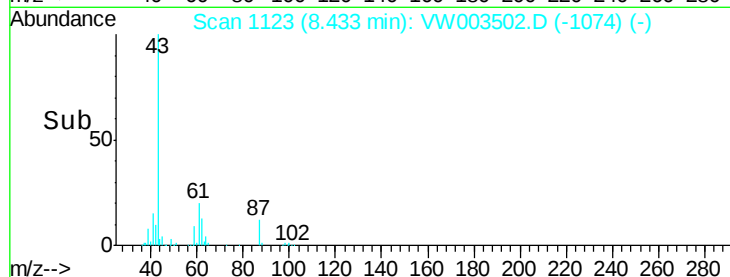
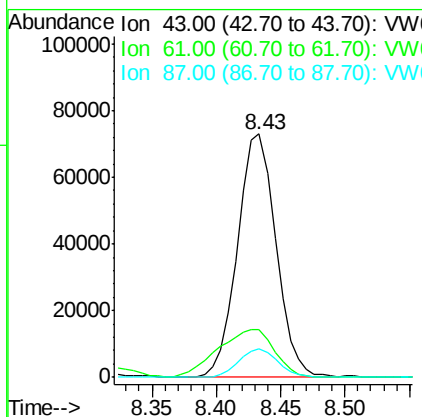
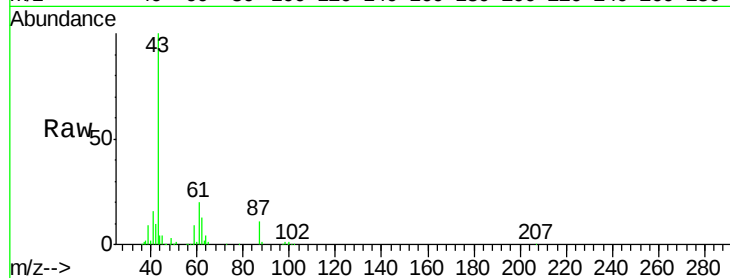
#43
Isopropyl Acetate
Concen: 46.94 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.1	34.7
87	11.9	9.8	14.6

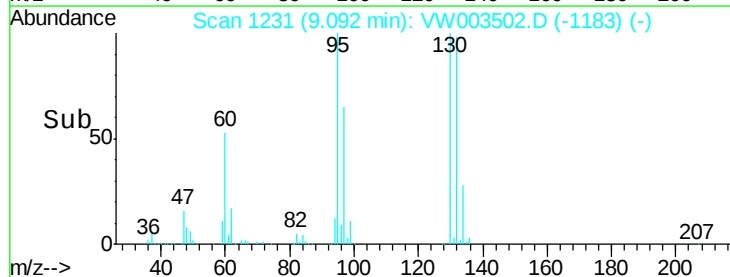
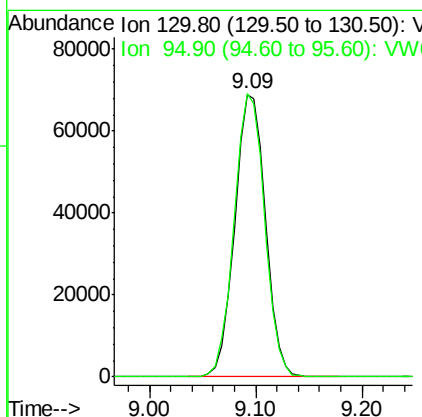
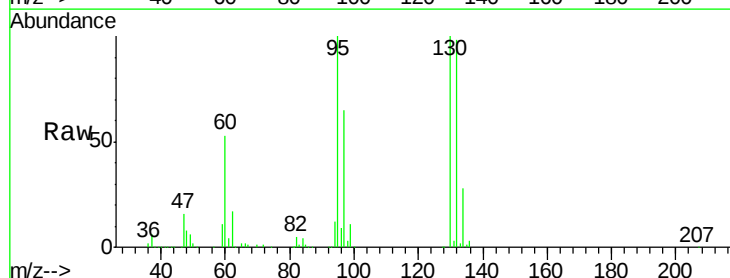
Manual Integrations
APPROVED

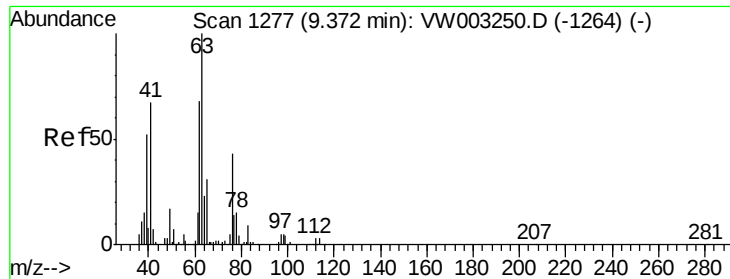
apatel
6/26/2018 12:23:58 PM



#44
Trichloroethene
Concen: 49.08 ug/l
RT: 9.09 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	198.0





#45

1,2-Dichloropropane

Concen: 49.55 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 135345

Ion Ratio Lower Upper

63 100

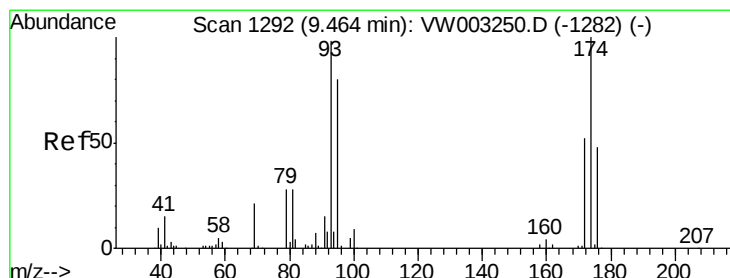
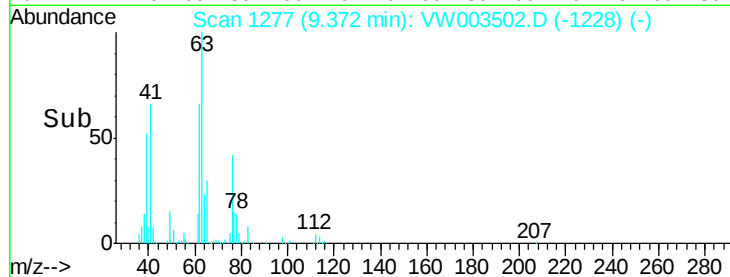
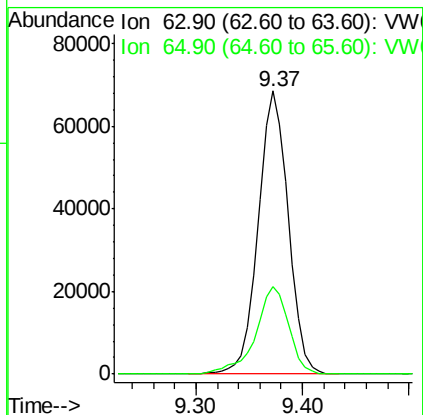
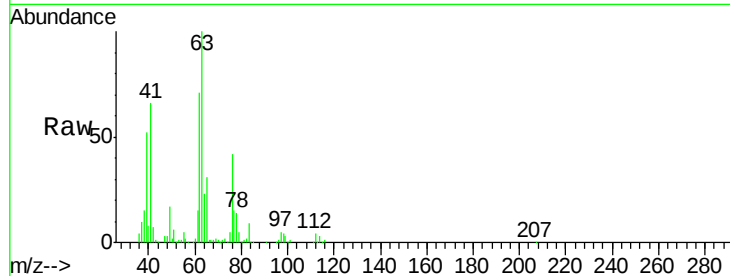
65 30.8 25.1 37.7

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#46

Dibromomethane

Concen: 47.91 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

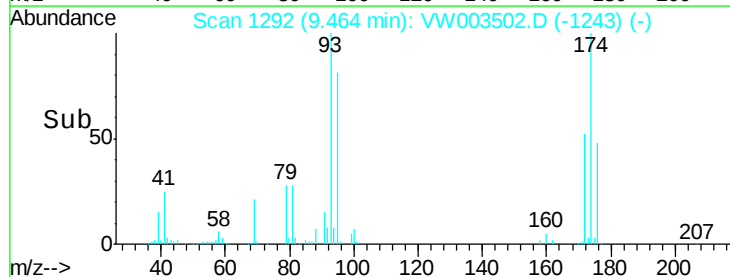
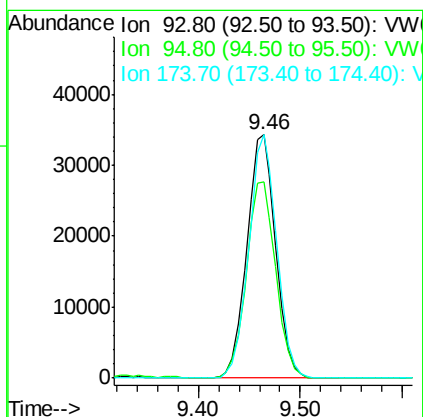
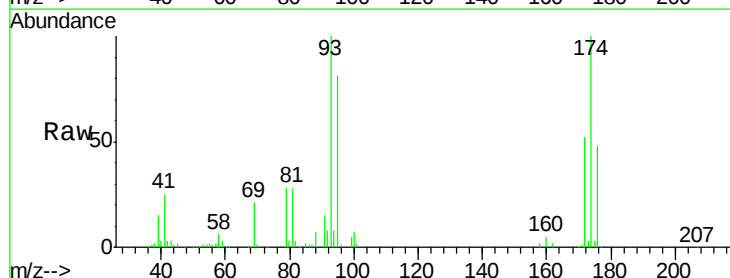
Tgt Ion: 93 Resp: 66996

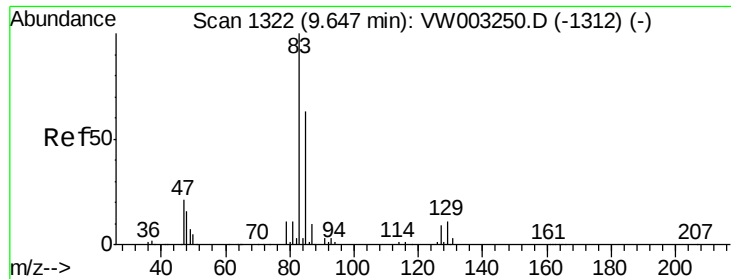
Ion Ratio Lower Upper

93 100

95 82.4 65.8 98.8

174 98.0 81.4 122.0





#47

Bromodichloromethane

Concen: 49.73 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

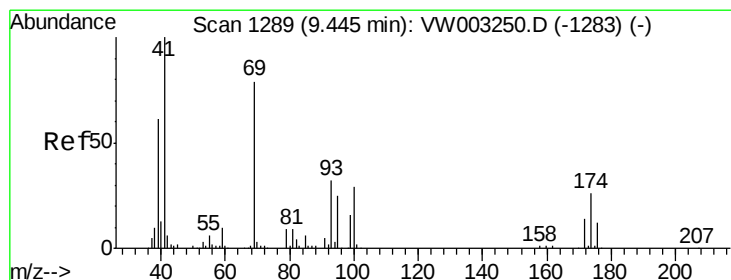
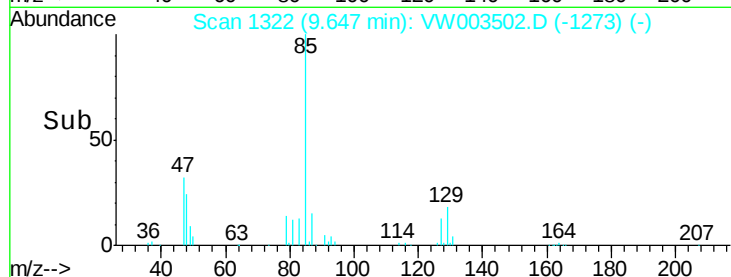
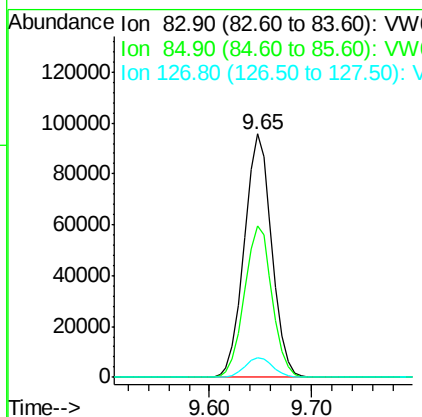
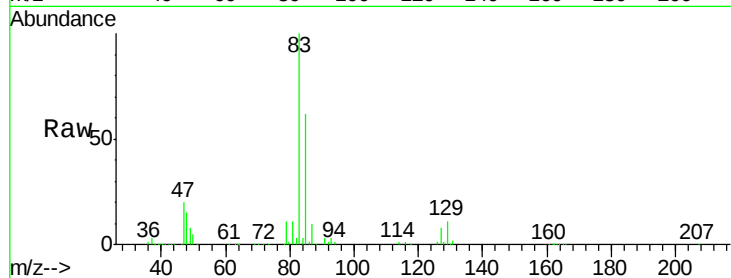
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	178265
Ion Ratio	Lower	Upper	
83	100		
85	62.1	50.6	75.8
127	8.0	6.8	10.2

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#48

Methyl methacrylate

Concen: 50.35 ug/l

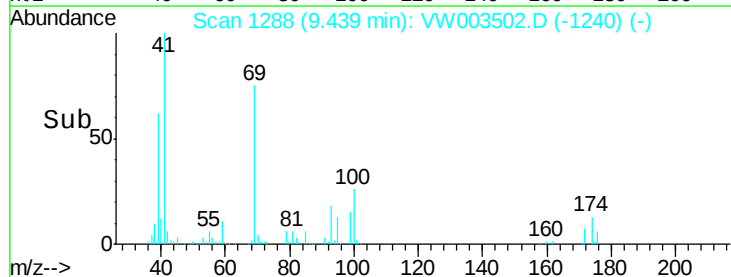
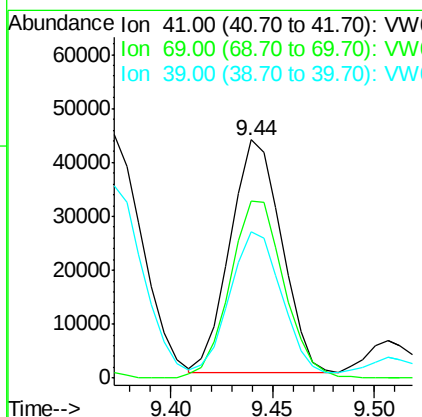
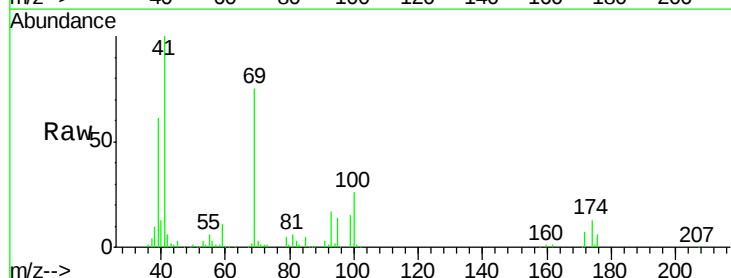
RT: 9.44 min Scan# 1288

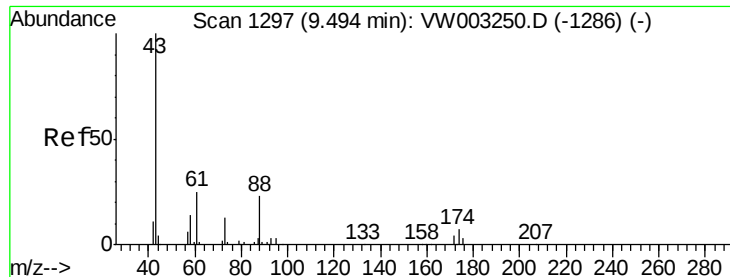
Delta R.T. -0.01 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Tgt Ion:	41	Resp:	75752
Ion Ratio	Lower	Upper	
41	100		
69	79.5	65.4	98.2
39	64.9	54.2	81.2





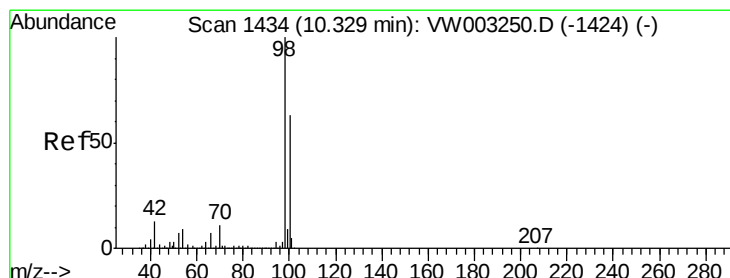
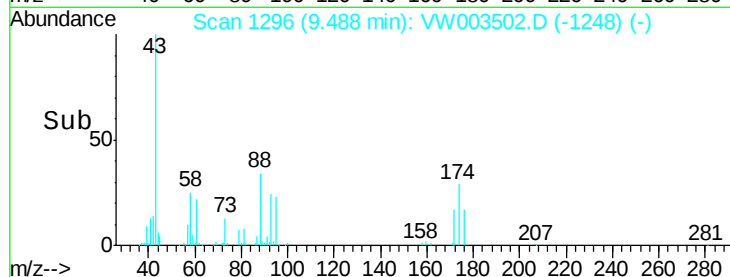
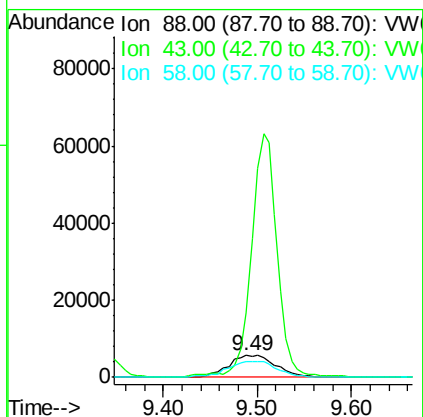
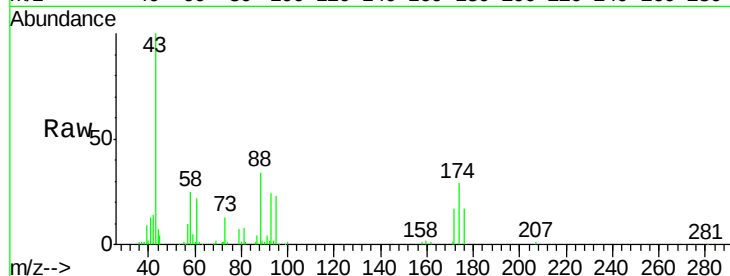
#49
1,4-Dioxane
Concen: 960.00 ug/l
RT: 9.49 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	20271
Ion Ratio	Lower	Upper	
88	100		
43	600.3	454.7	682.1
58	75.4	58.6	88.0

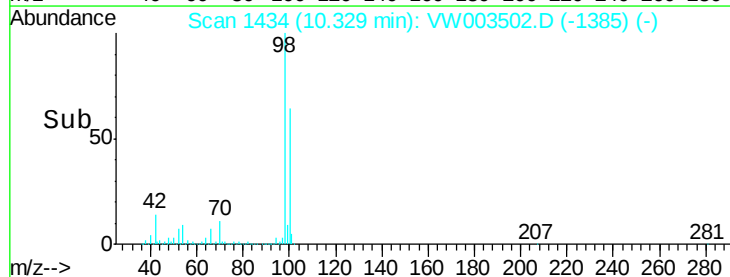
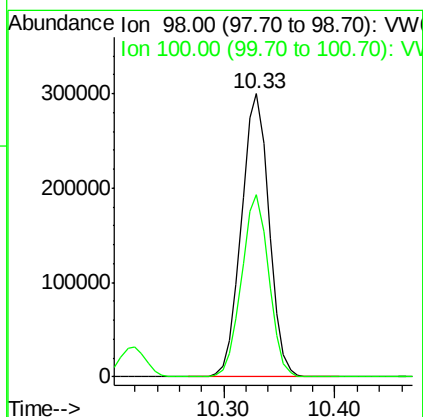
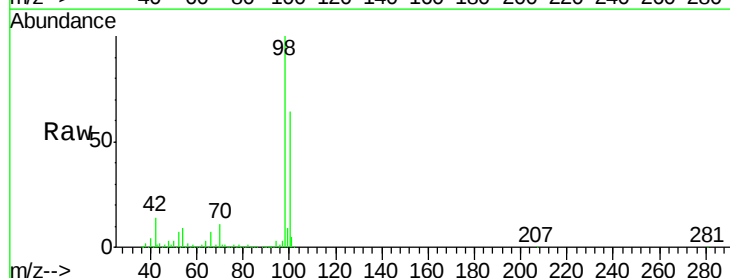
Manual Integrations
APPROVED

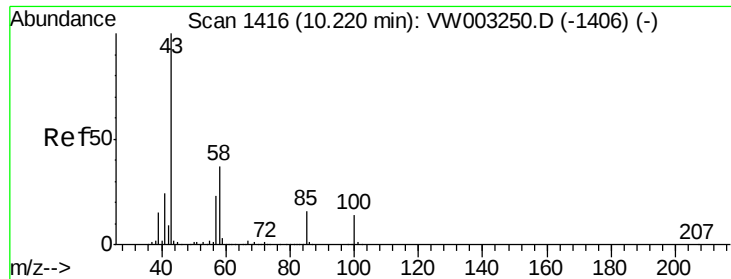
apatel
6/26/2018 12:23:58 PM



#50
Toluene-d8
Concen: 52.01 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	98	Resp	516396
Ion Ratio	Lower	Upper	
98	100		
100	63.6	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 244.81 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 399383

Ion Ratio Lower Upper

43 100

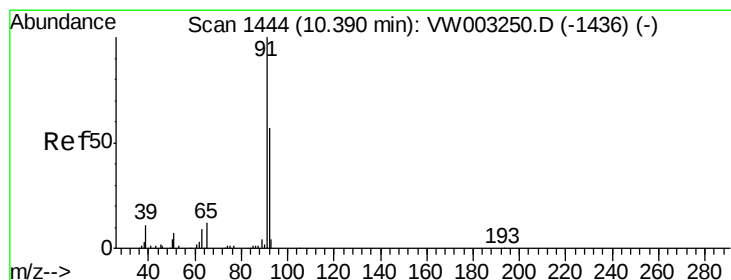
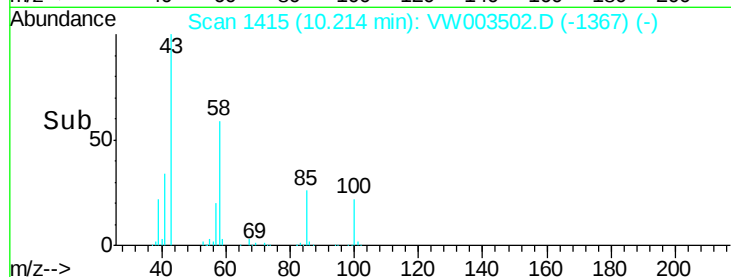
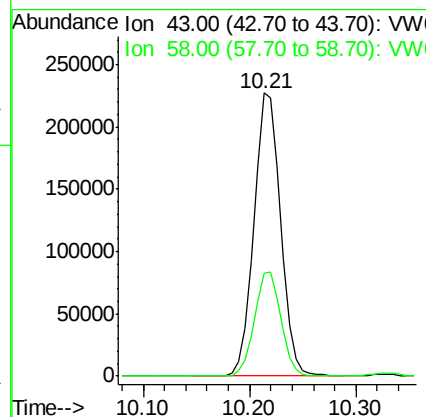
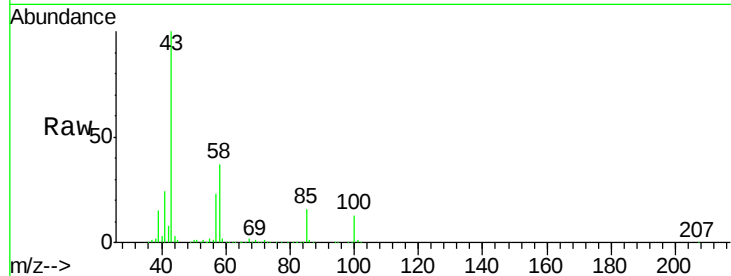
58 36.7 29.0 43.4

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#52

Toluene

Concen: 50.12 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003502.D

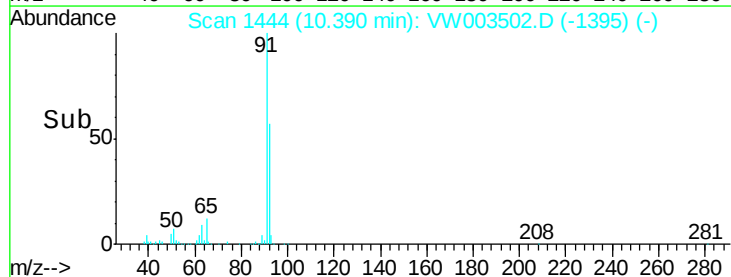
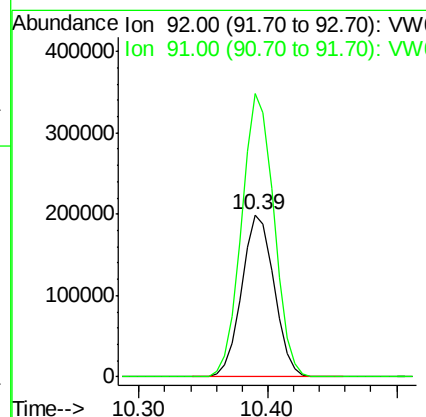
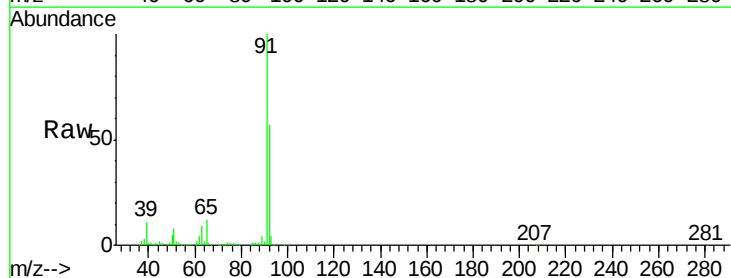
Acq: 24 Jun 2018 11:17

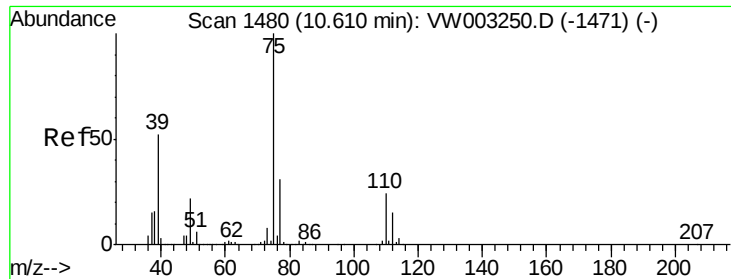
Tgt Ion: 92 Resp: 344808

Ion Ratio Lower Upper

92 100

91 174.7 141.1 211.7





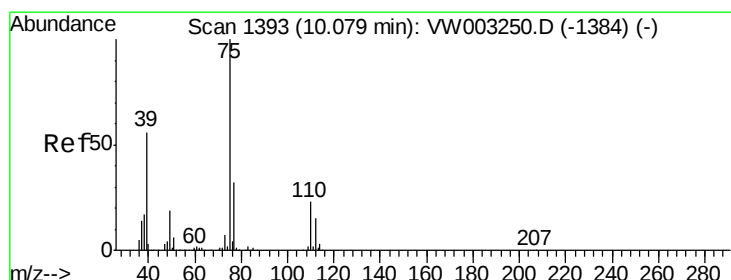
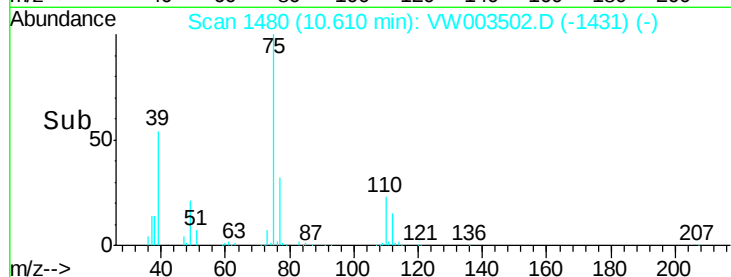
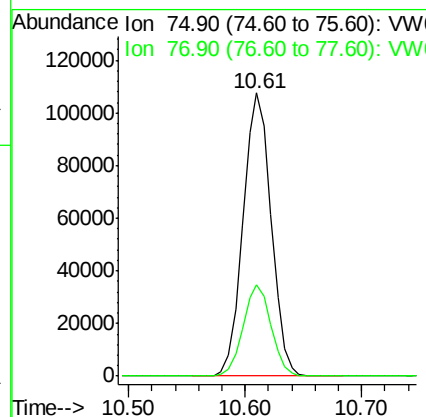
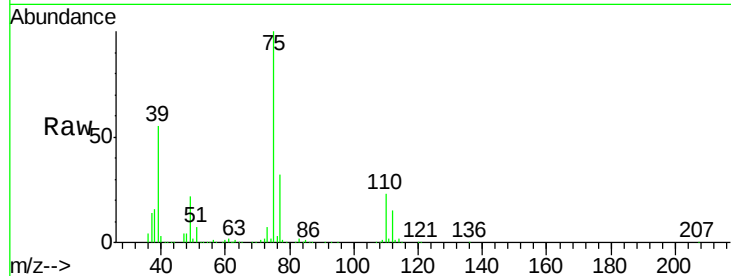
#53
 t-1,3-Dichloropropene
 Concen: 49.43 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 181020
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.9 37.3

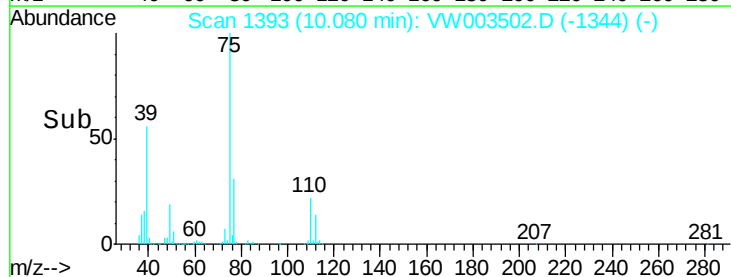
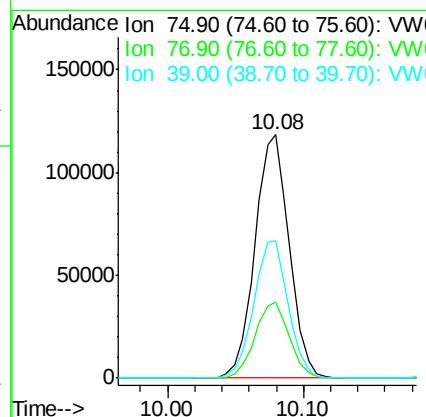
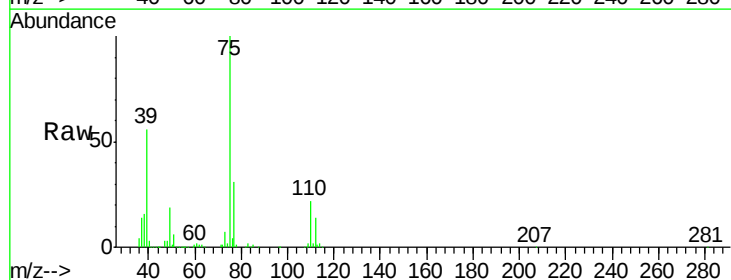
Manual Integrations
 APPROVED

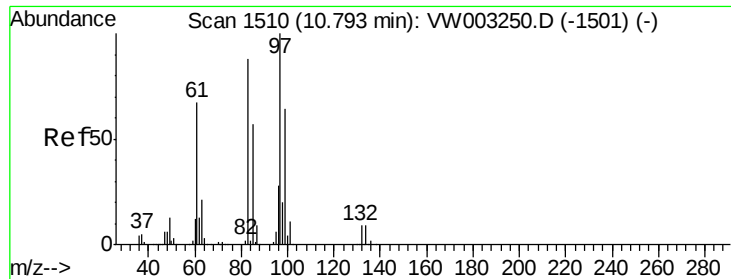
apatel
 6/26/2018 12:23:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.10 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion: 75 Resp: 208806
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.6
 39 56.1 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 47.95 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

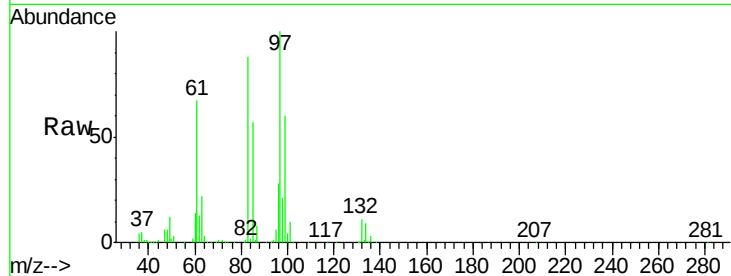
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	94501
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.2	105.2
85	56.7	45.6	68.4
99	60.4	51.2	76.8

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



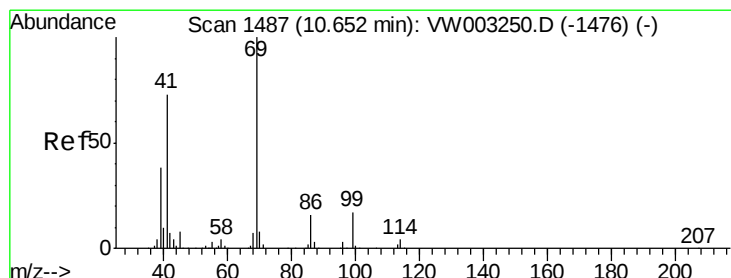
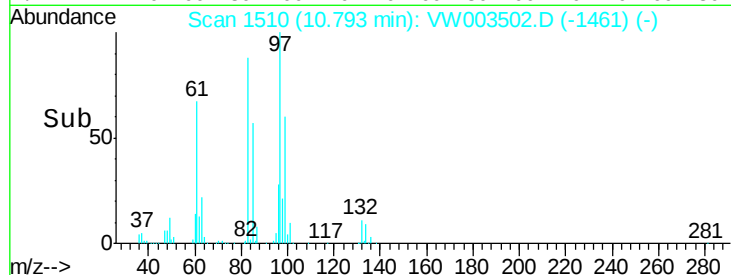
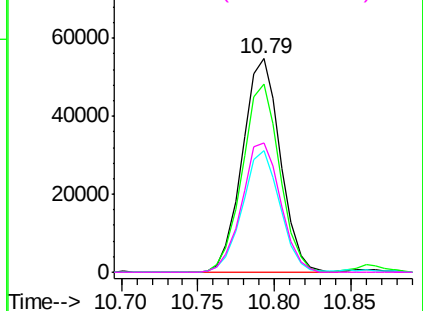
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 49.93 ug/l

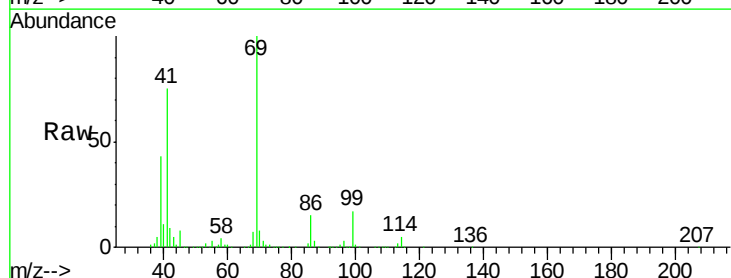
RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Tgt Ion:	69	Resp:	119479
Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.8	86.6
39	40.4	32.7	49.1

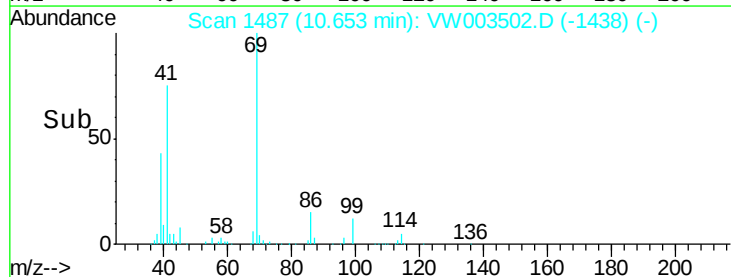
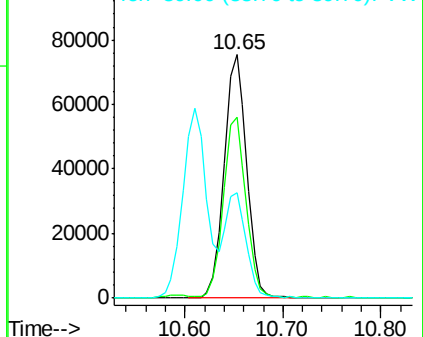


Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





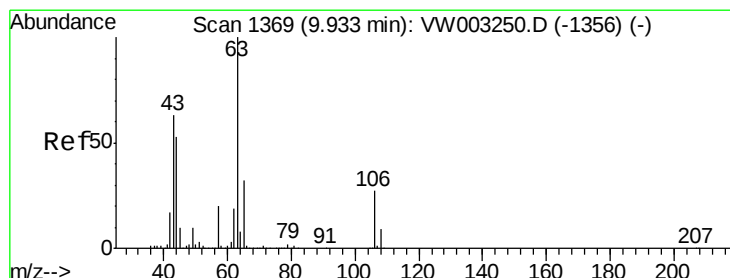
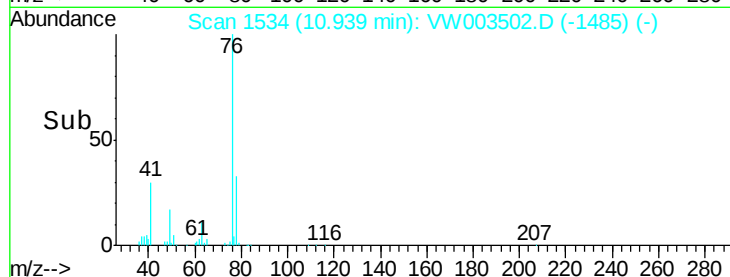
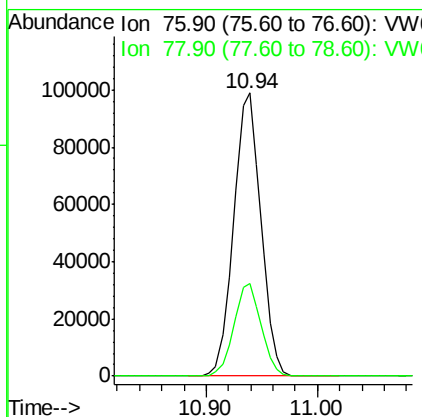
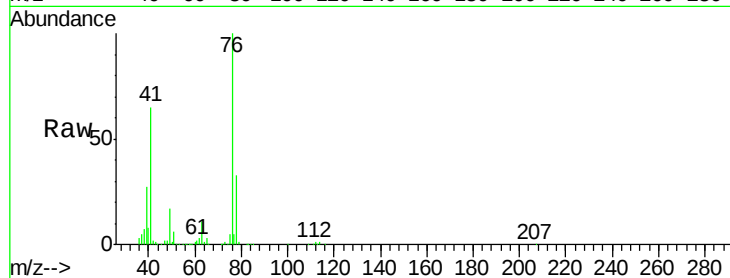
#57
 1,3-Dichloropropane
 Concen: 49.14 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 167007
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

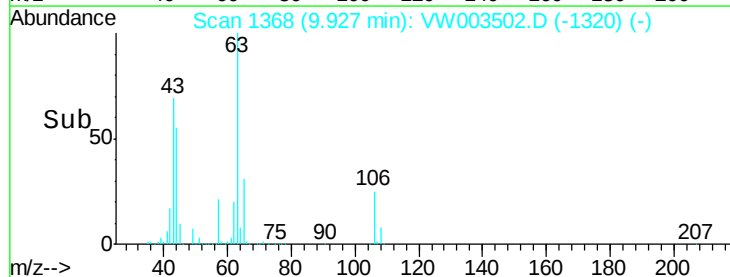
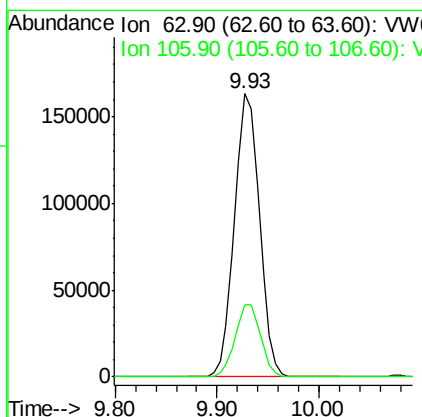
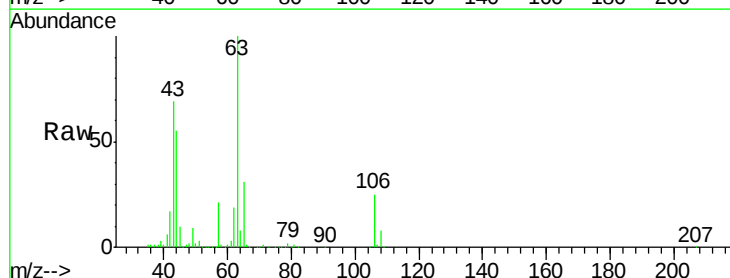
Manual Integrations
 APPROVED

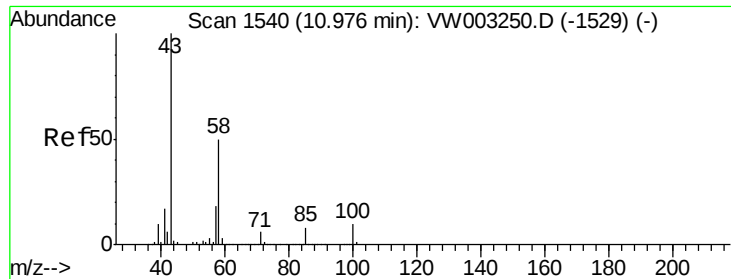
apatel
 6/26/2018 12:23:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.85 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion: 63 Resp: 276603
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.8 32.8





#59

2-Hexanone

Concen: 258.55 ug/l

RT: 10.98 min Scan# 1540

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 294661

Ion Ratio Lower Upper

43 100

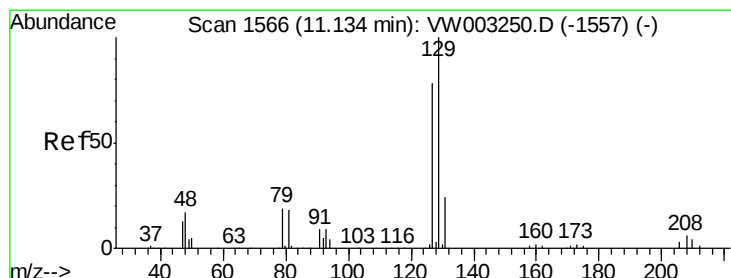
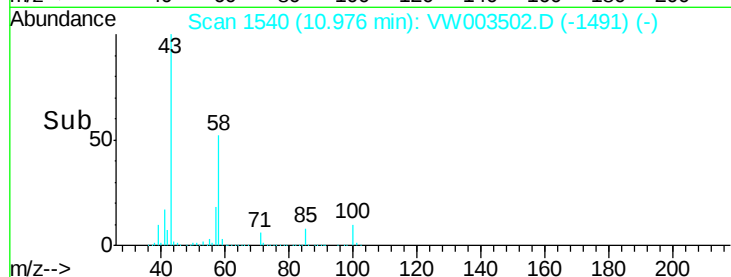
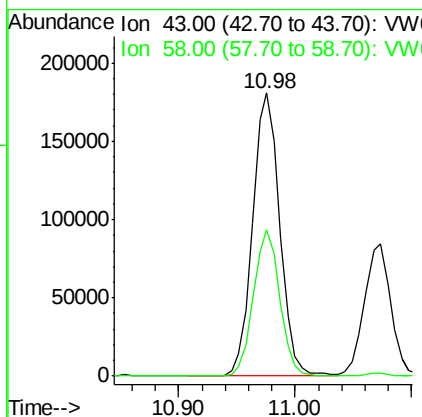
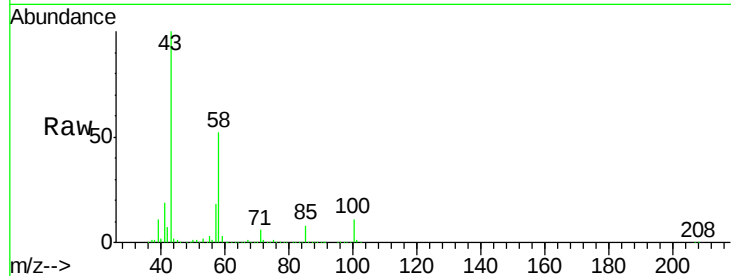
58 50.0 25.0 75.0

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#60

Dibromochloromethane

Concen: 48.49 ug/l

RT: 11.13 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VW003502.D

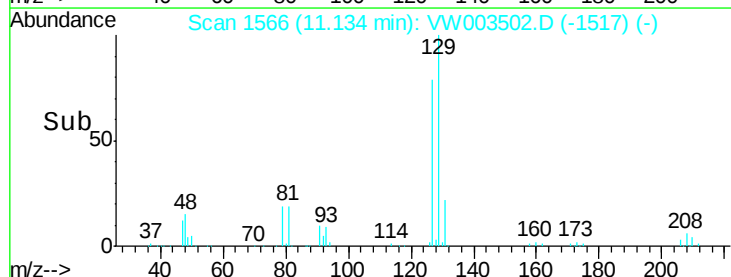
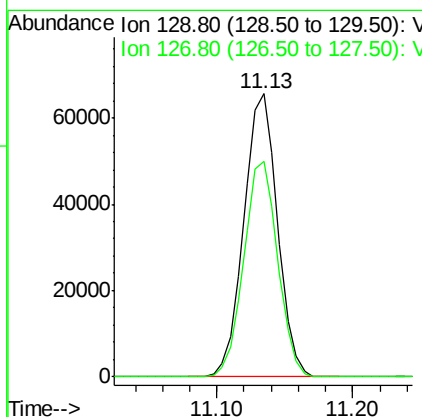
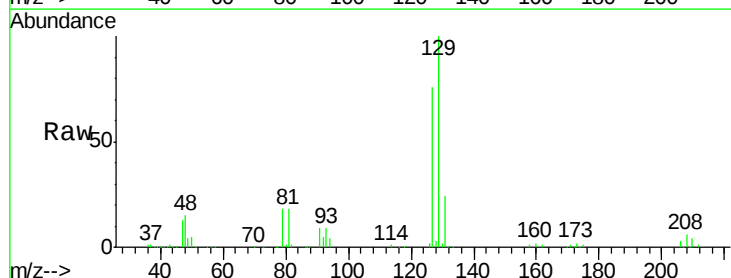
Acq: 24 Jun 2018 11:17

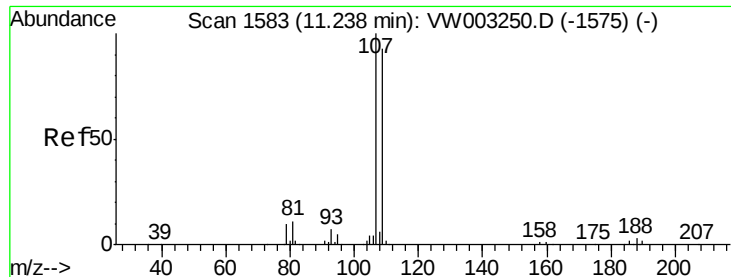
Tgt Ion: 129 Resp: 113648

Ion Ratio Lower Upper

129 100

127 76.8 39.1 117.5





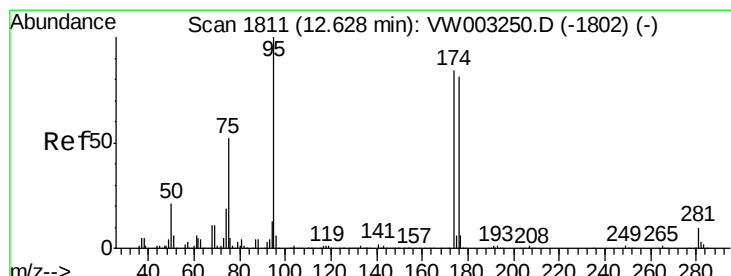
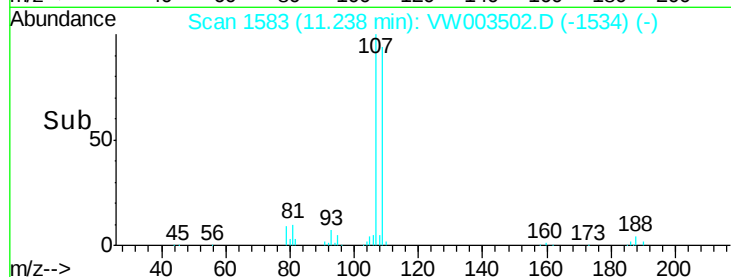
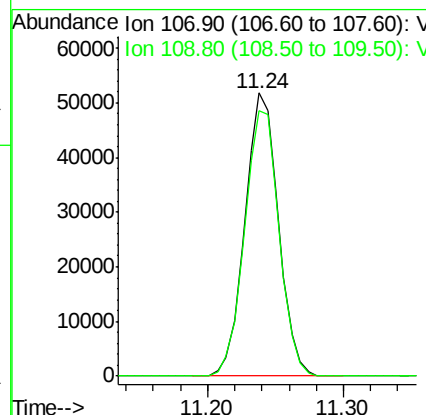
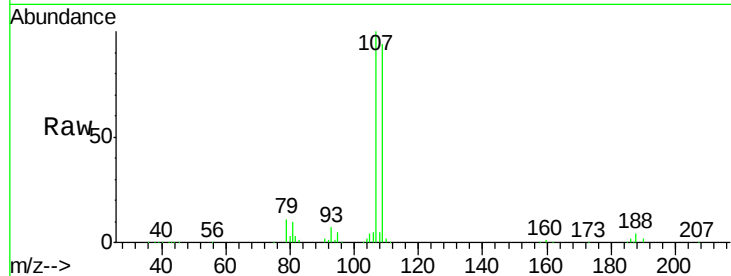
#61
 1,2-Dibromoethane
 Concen: 47.84 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.8	113.6

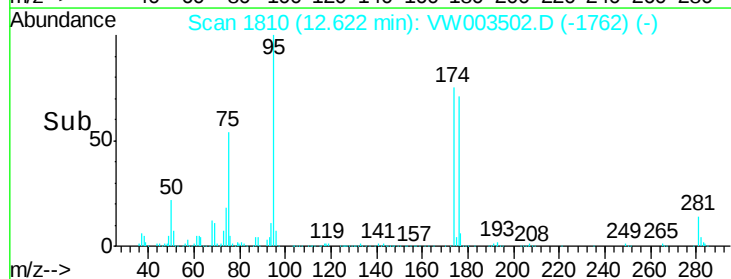
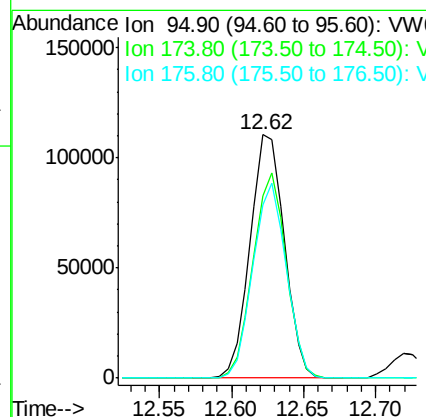
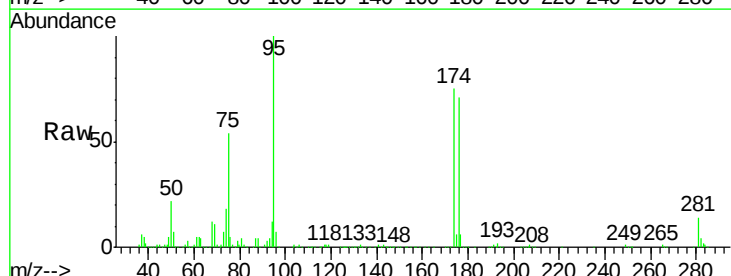
Manual Integrations
 APPROVED

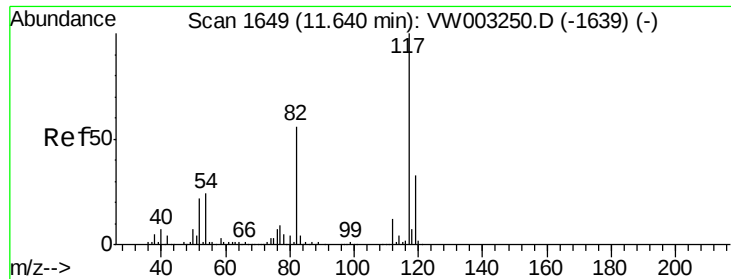
apatel
 6/26/2018 12:23:58 PM



#62
 4-Bromofluorobenzene
 Concen: 51.81 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.01 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.5	0.0	166.4
176	78.0	0.0	162.0





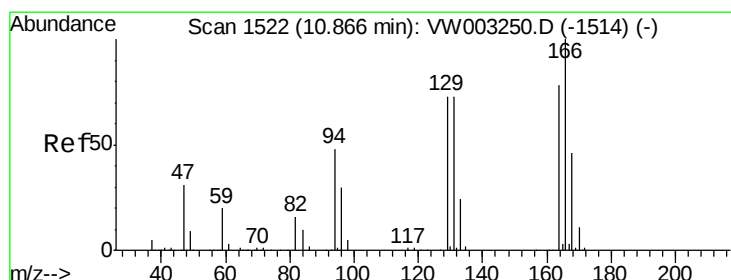
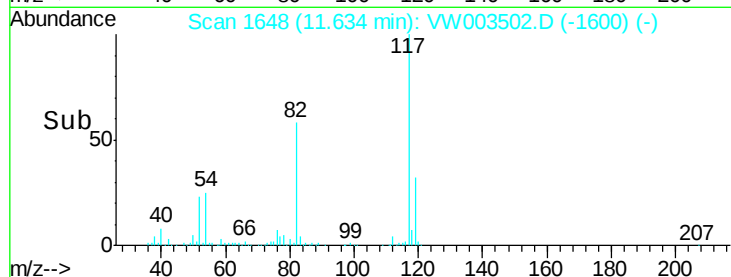
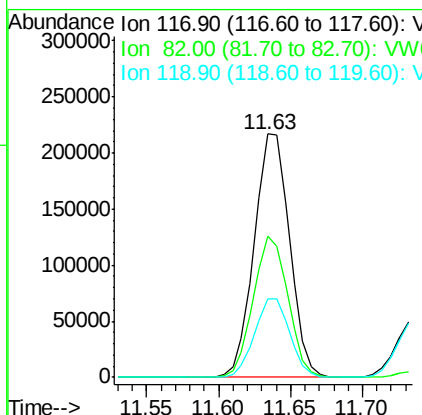
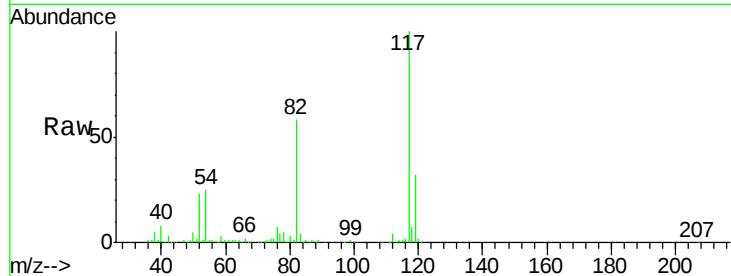
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	368281		
82	58.2		44.6	67.0
119	32.1		26.7	40.1

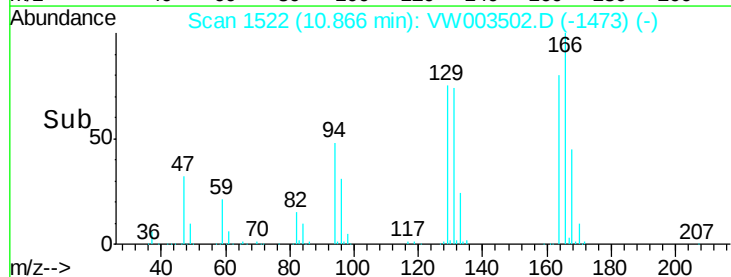
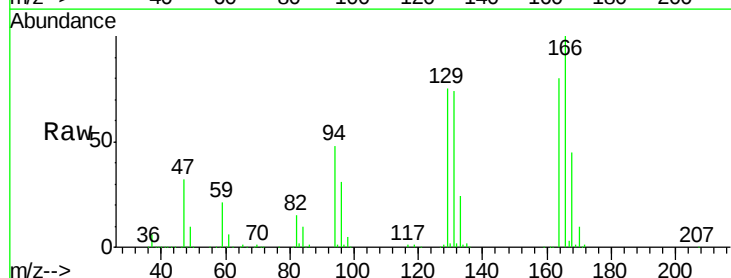
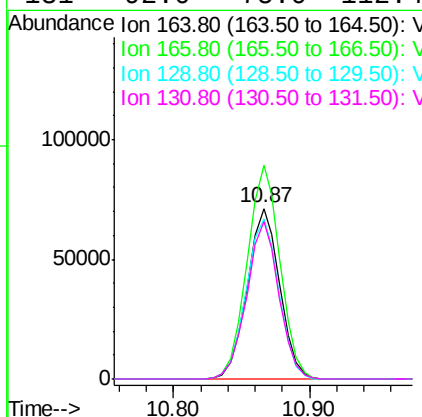
Manual Integrations
APPROVED

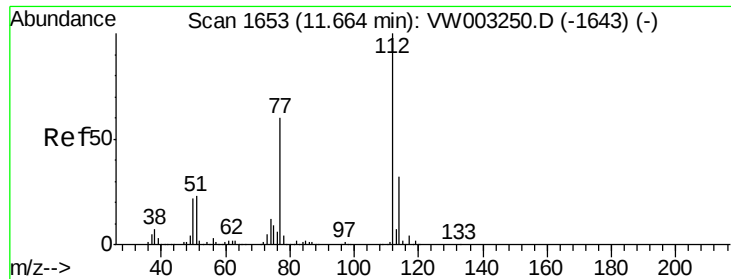
apatel
6/26/2018 12:23:58 PM



#64
Tetrachloroethene
Concen: 48.35 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119088		
166	125.1		102.6	154.0
129	94.0		75.2	112.8
131	92.0		75.0	112.4





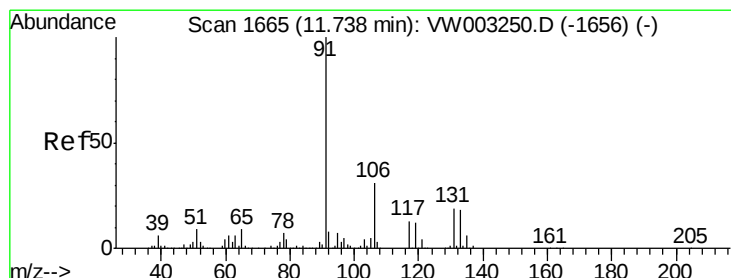
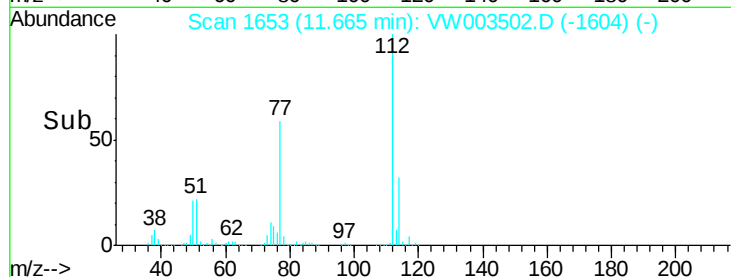
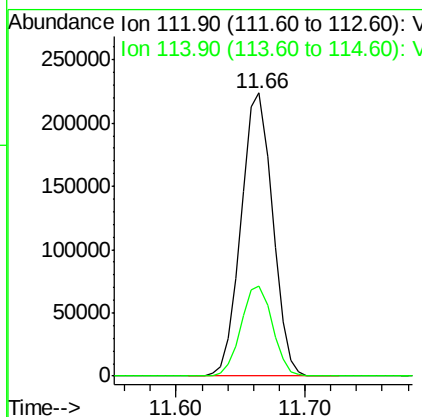
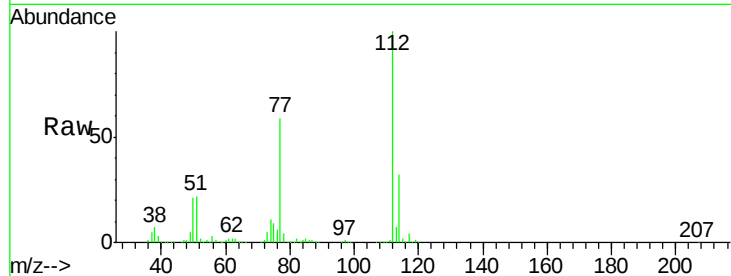
#65
Chlorobenzene
Concen: 49.33 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9

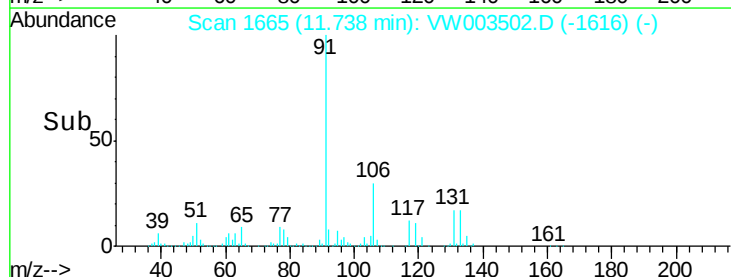
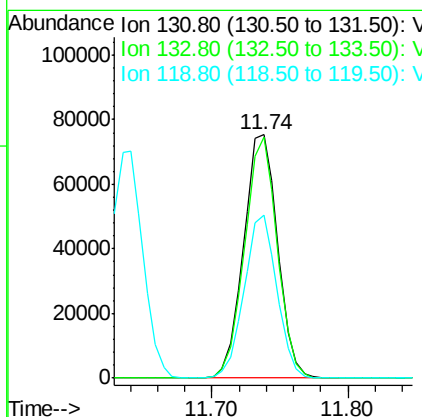
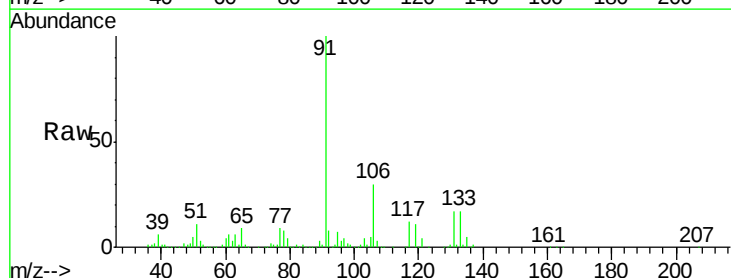
Manual Integrations
APPROVED

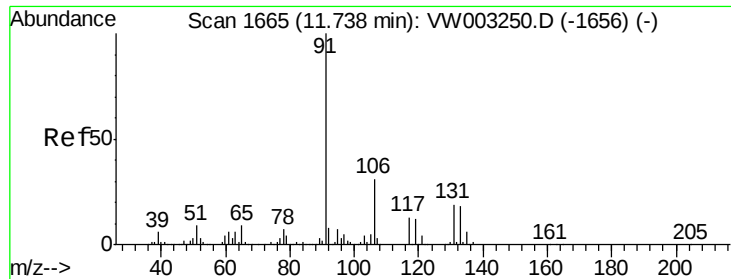
apatel
6/26/2018 12:23:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.91 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.3	142.0
119	64.4	32.5	97.4





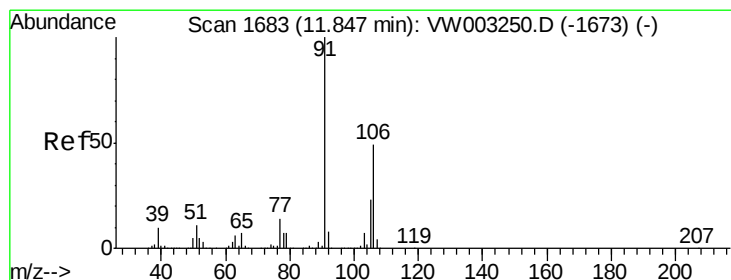
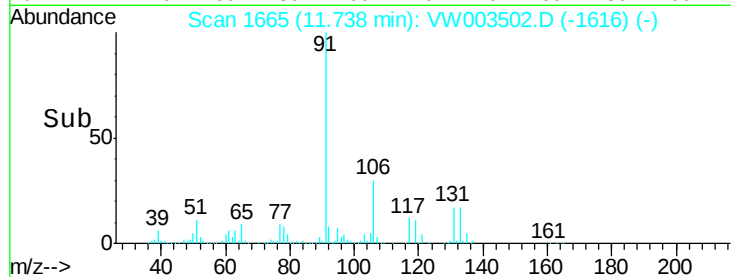
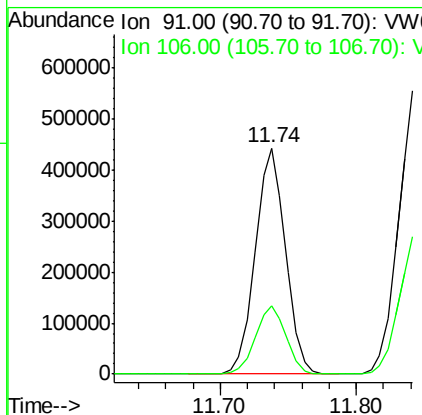
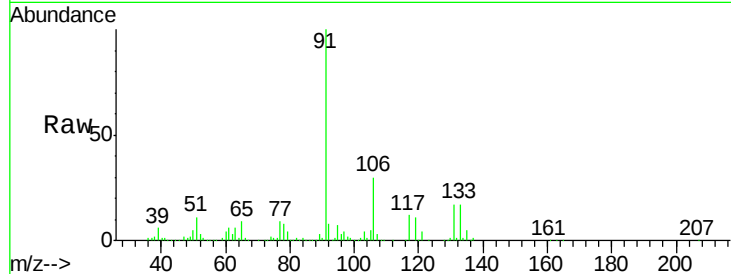
#67
Ethyl Benzene
Concen: 50.68 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 688963
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

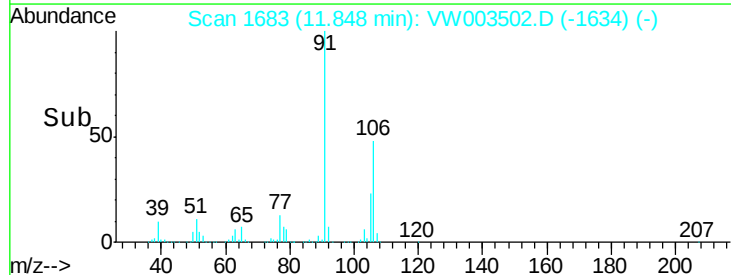
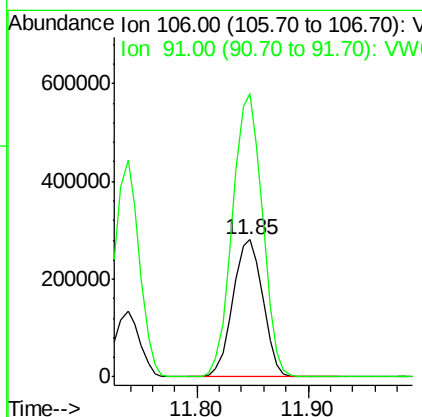
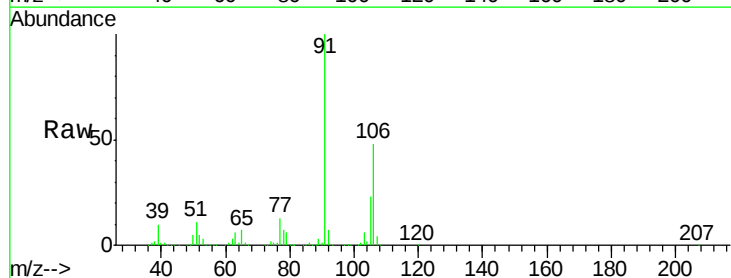
Manual Integrations
APPROVED

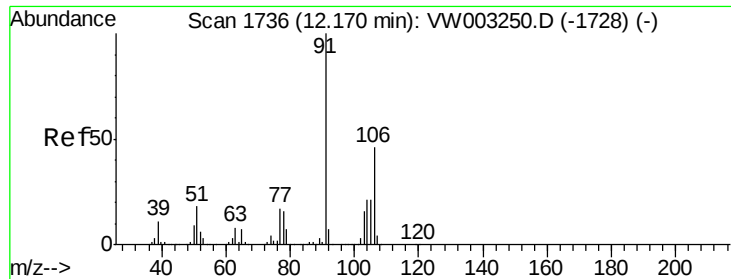
apatel
6/26/2018 12:23:58 PM



#68
m/p-Xylenes
Concen: 101.26 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion: 106 Resp: 523274
Ion Ratio Lower Upper
106 100
91 206.0 165.4 248.0





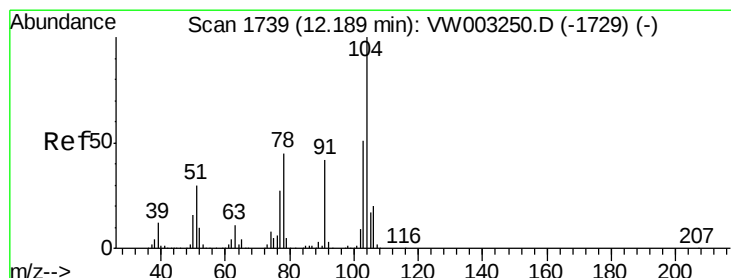
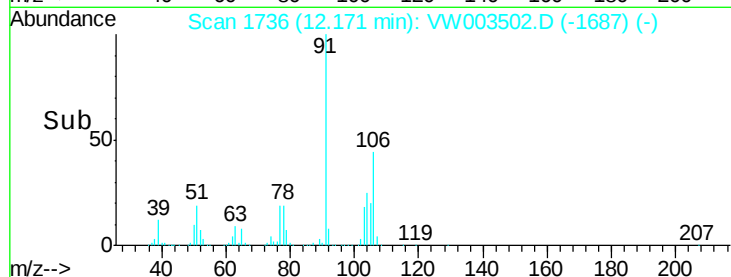
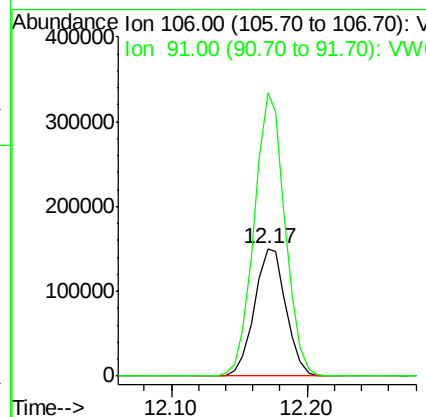
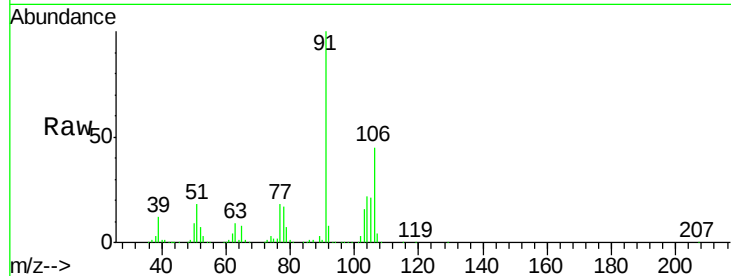
#69
o-Xylene
Concen: 50.91 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.0	108.6	325.6

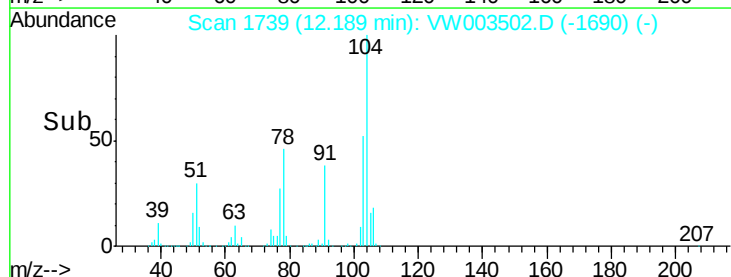
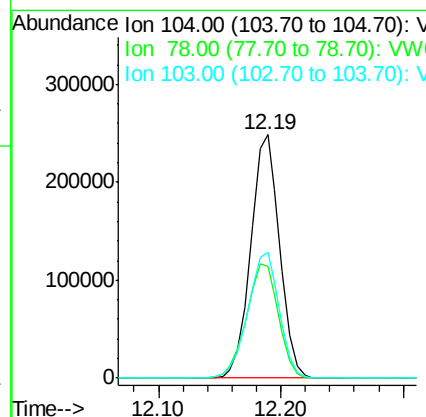
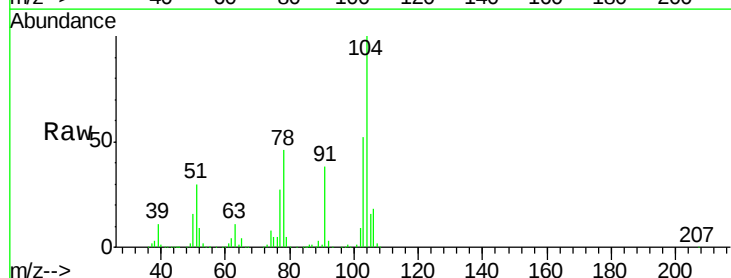
Manual Integrations
APPROVED

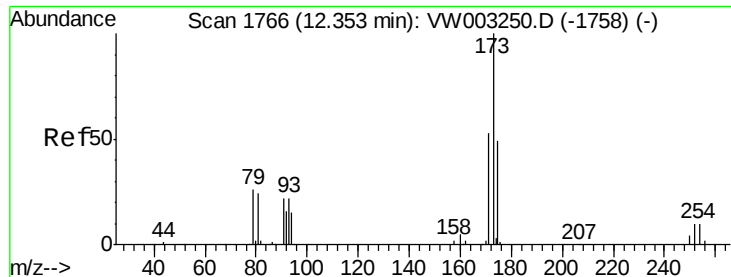
apatel
6/26/2018 12:23:58 PM



#70
Styrene
Concen: 51.10 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.3	61.9
103	56.1	45.0	67.4





#71

Bromoform

Concen: 46.81 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

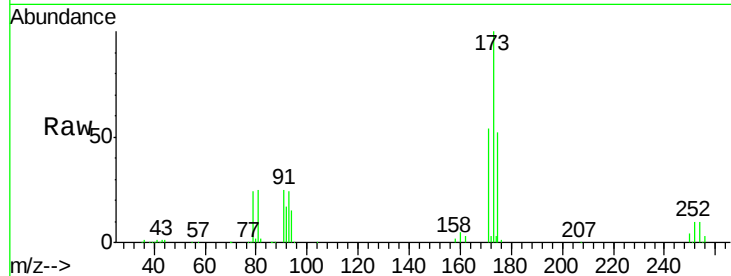
ClientSampleId :

VSTDCCC050

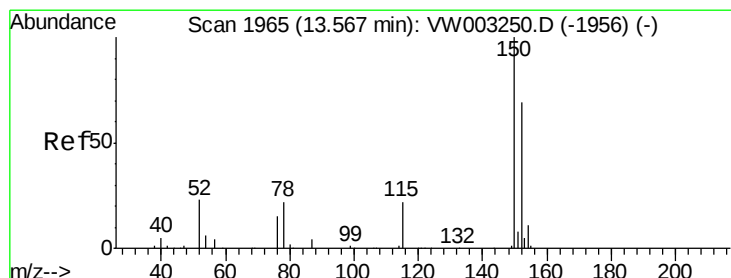
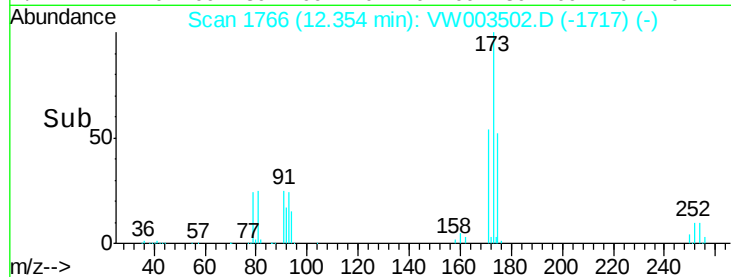
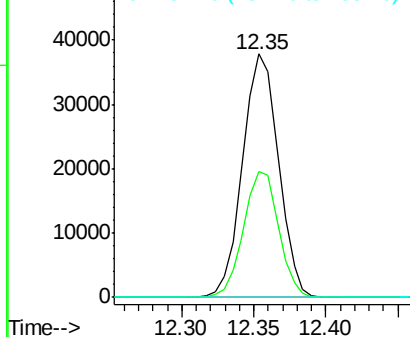
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.4	73.4
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 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

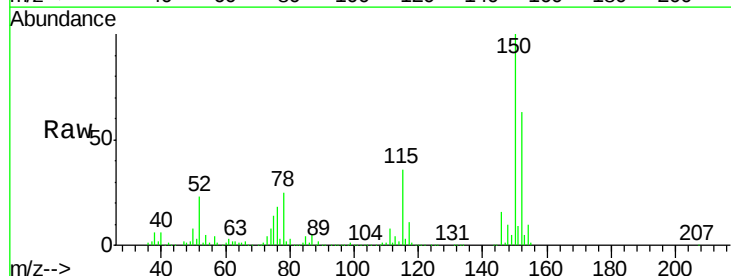
RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

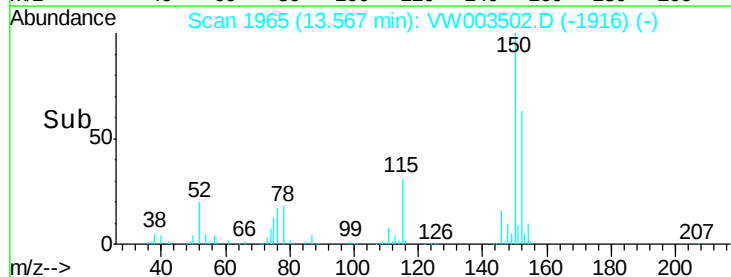
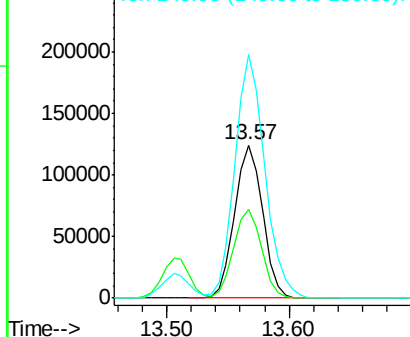
Lab File: VW003502.D

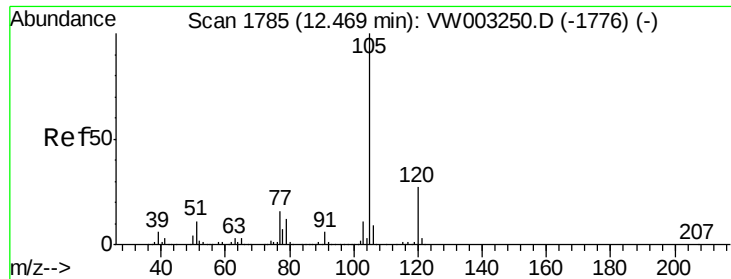
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.3	29.3	88.0
150	171.4	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





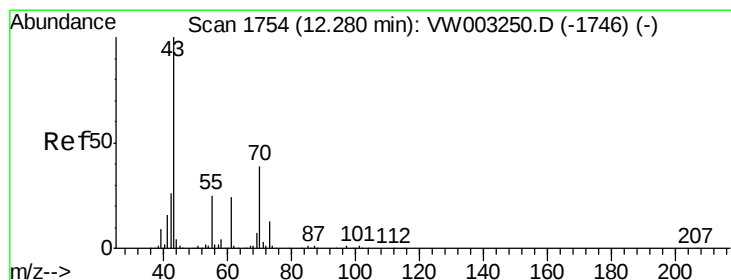
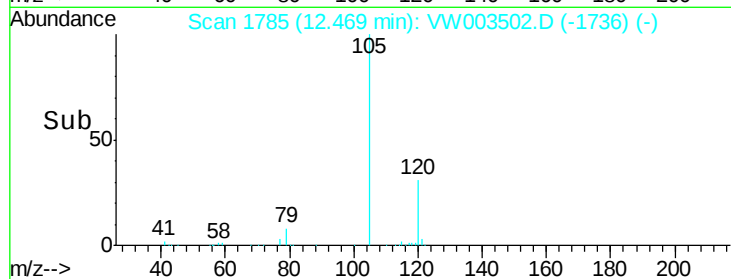
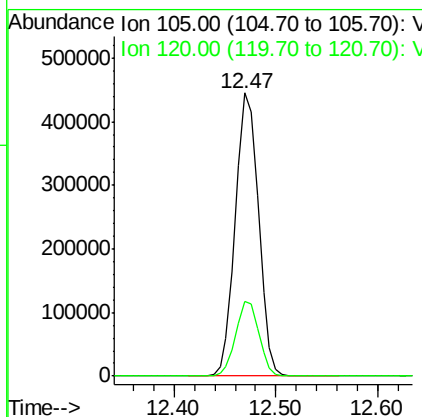
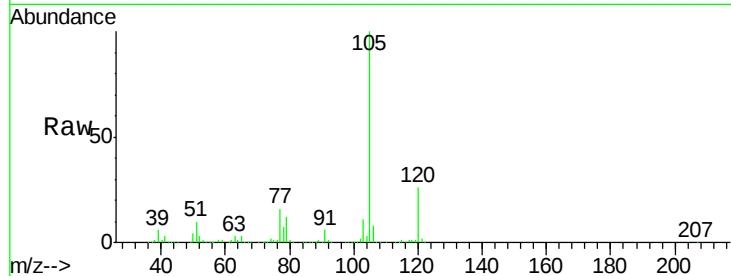
#73
Isopropylbenzene
Concen: 51.28 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.2	39.6

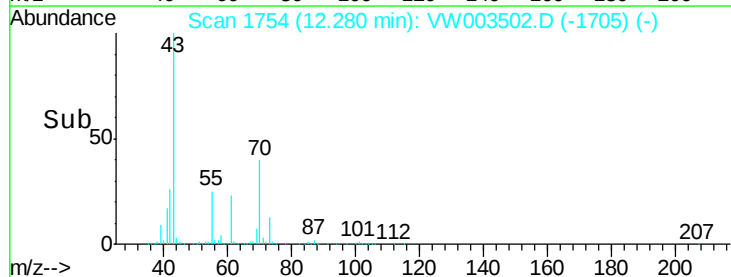
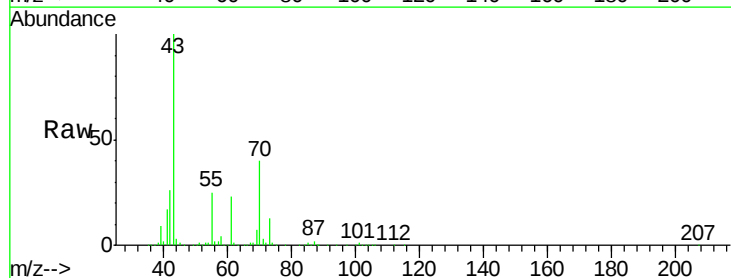
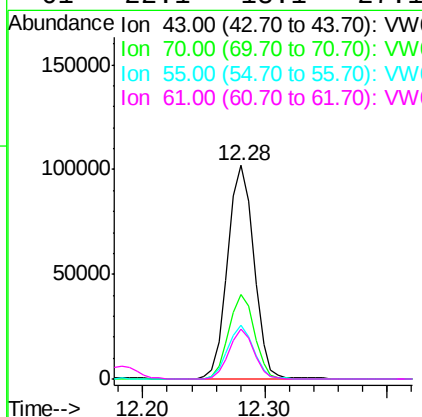
Manual Integrations
APPROVED

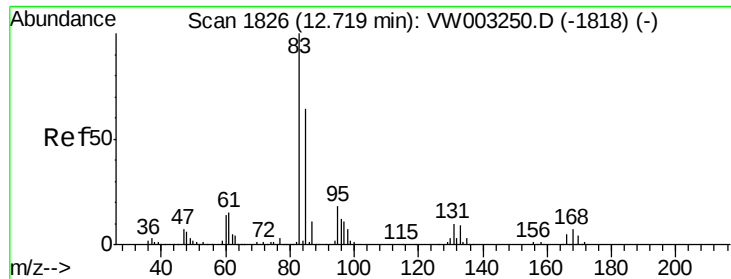
apatel
6/26/2018 12:23:58 PM



#74
N-ethyl acetate
Concen: 48.95 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.0	31.0	46.6
55	25.0	19.7	29.5
61	22.1	18.1	27.1





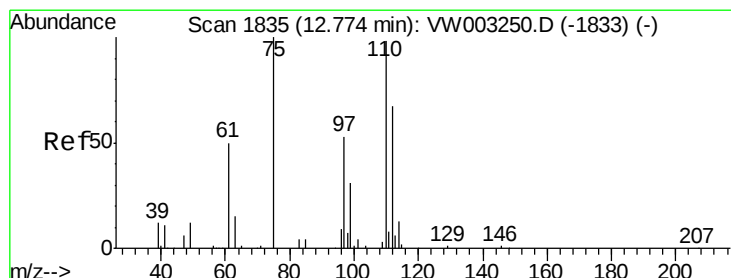
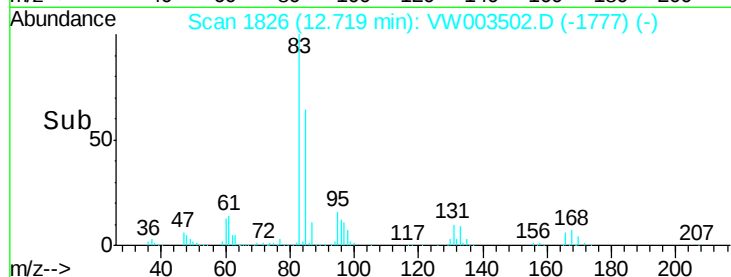
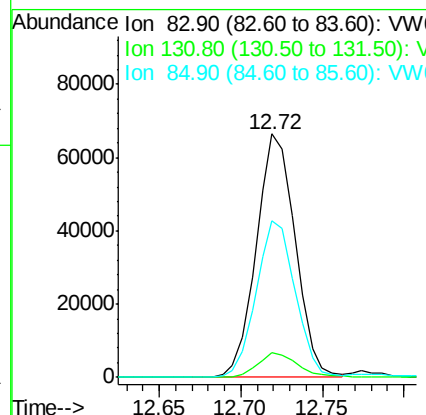
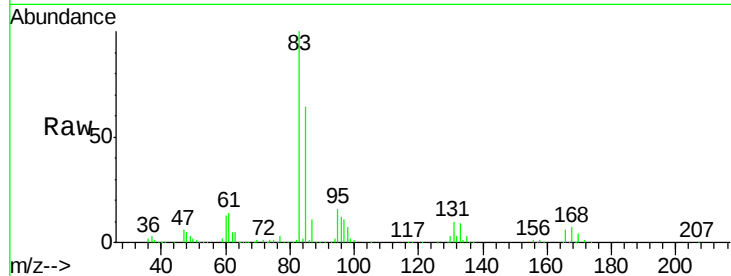
#75
 1,1,2,2-Tetrachloroethane
 Concen: 47.92 ug/l
 RT: 12.72 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	83	Resp	110210
Ion Ratio	100	Lower	Upper
83	100		
131	10.4	5.4	16.2
85	64.5	31.9	95.7

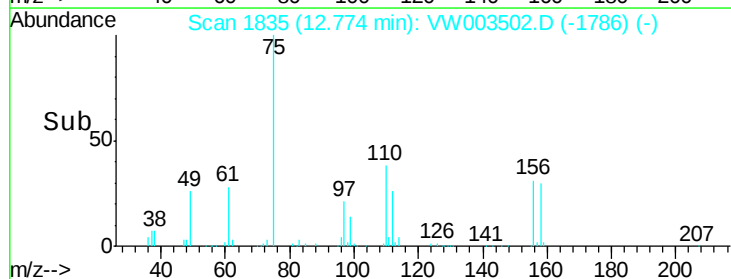
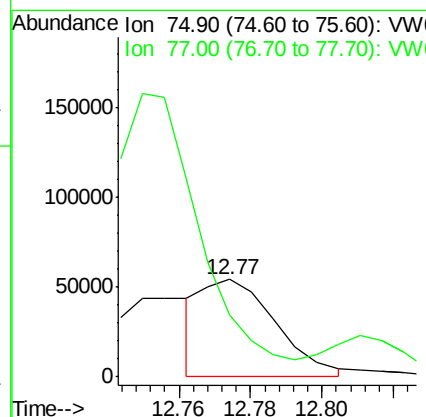
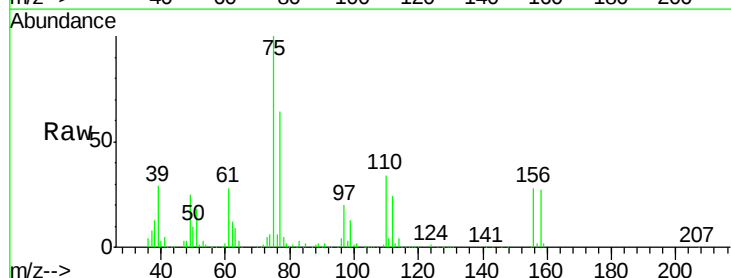
Manual Integrations
 APPROVED

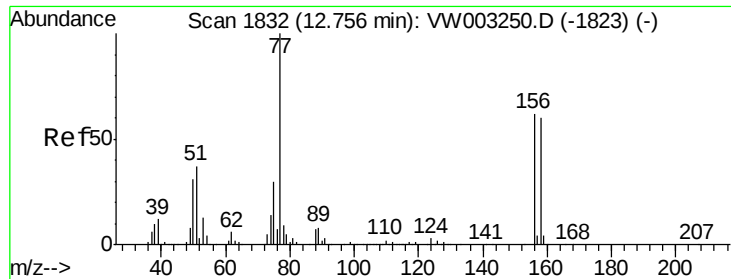
apatel
 6/26/2018 12:23:58 PM



#76
 1,2,3-Trichloropropane
 Concen: 46.60 ug/l m
 RT: 12.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	75	Resp	77866
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





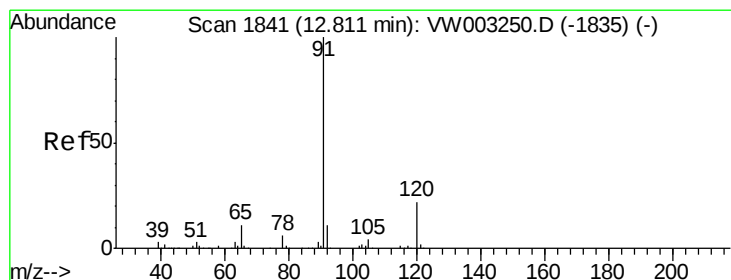
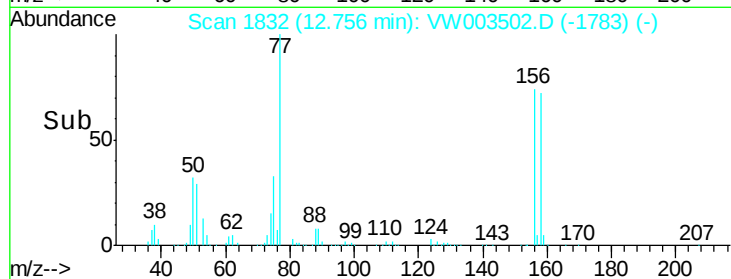
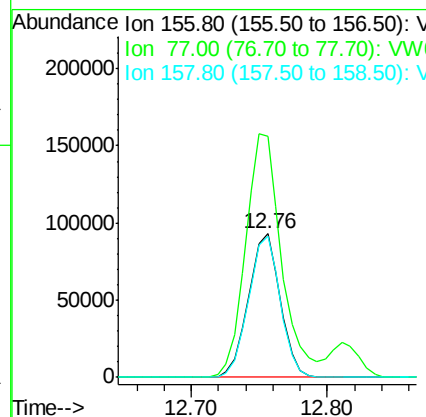
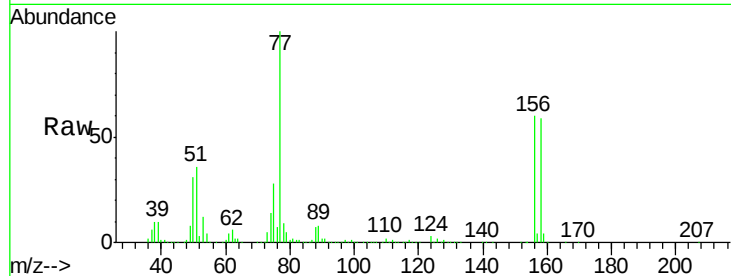
#77
Bromobenzene
Concen: 48.01 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	190.7	92.3	276.9
158	98.2	47.5	142.6

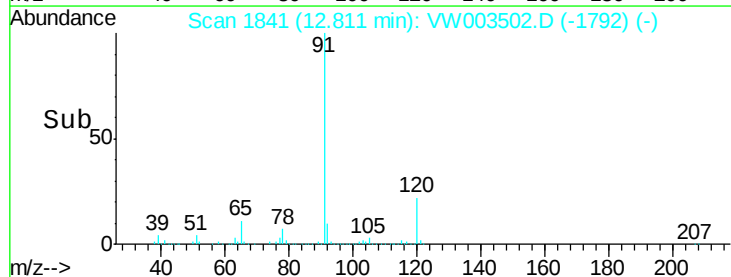
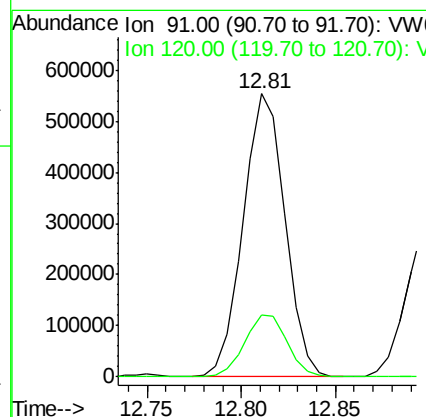
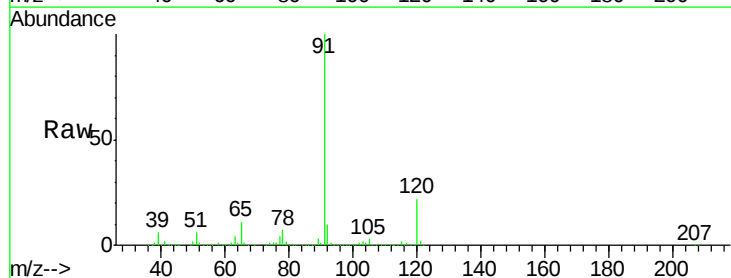
Manual Integrations
APPROVED

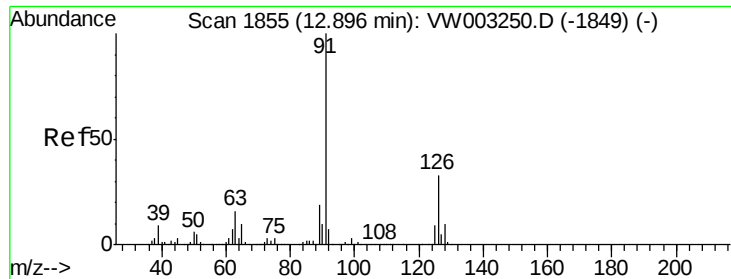
apatel
6/26/2018 12:23:58 PM



#78
n-propylbenzene
Concen: 51.11 ug/l
RT: 12.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.3	33.8





#79

2-Chlorotoluene

Concen: 50.27 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003502.D

Acq: 24 Jun 2018 11:17

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 472900

Ion Ratio Lower Upper

91 100

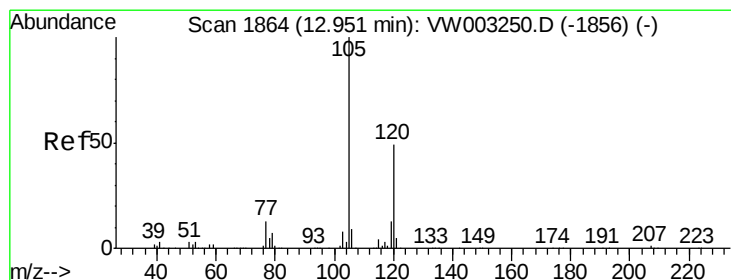
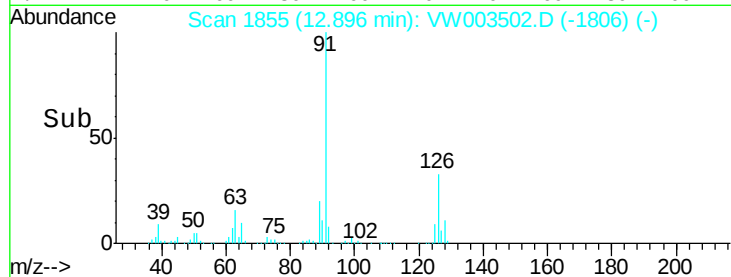
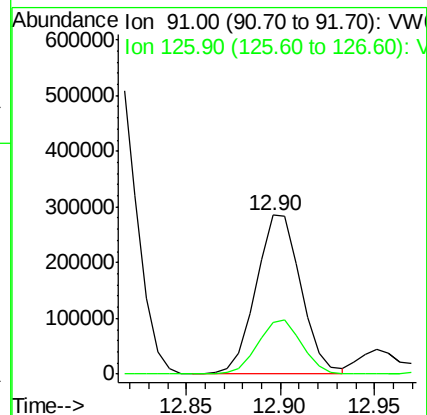
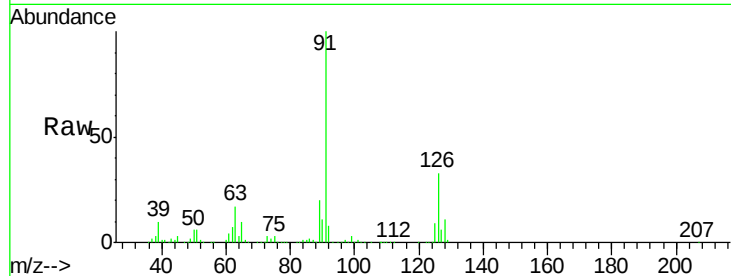
126 33.2 16.8 50.4

Manual Integrations

APPROVED

apatel

6/26/2018 12:23:58 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.86 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003502.D

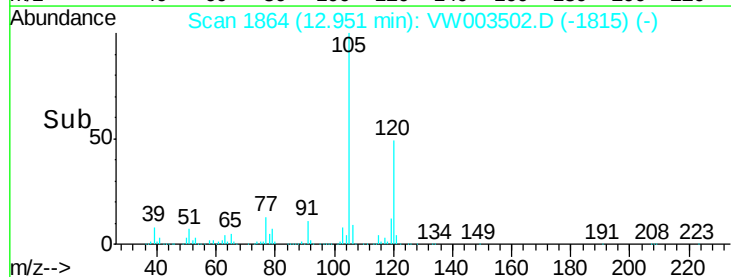
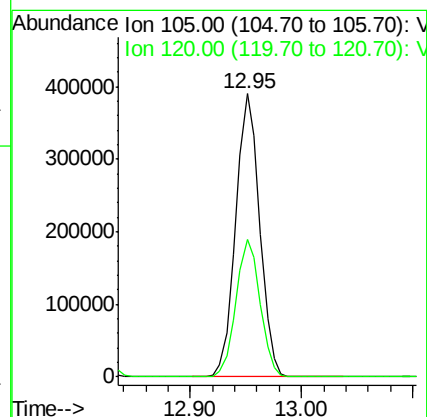
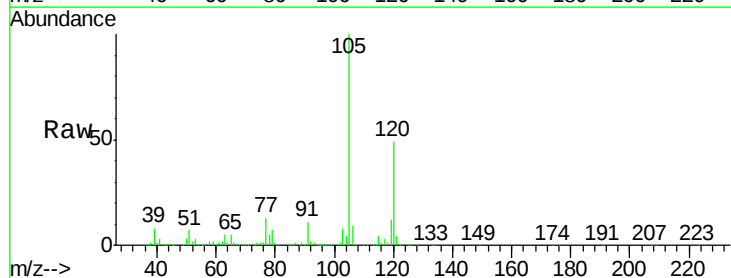
Acq: 24 Jun 2018 11:17

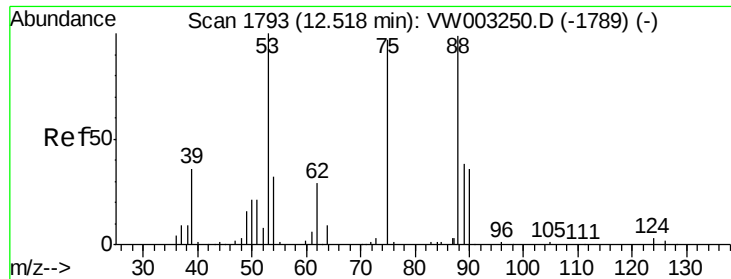
Tgt Ion:105 Resp: 580313

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9





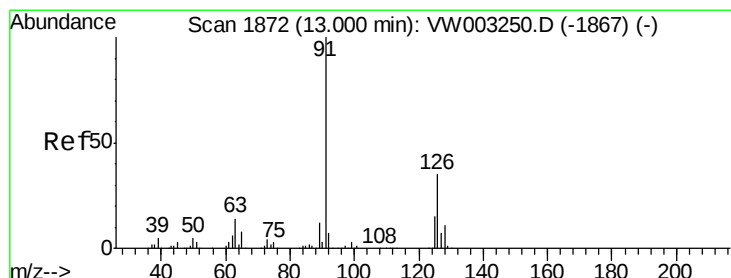
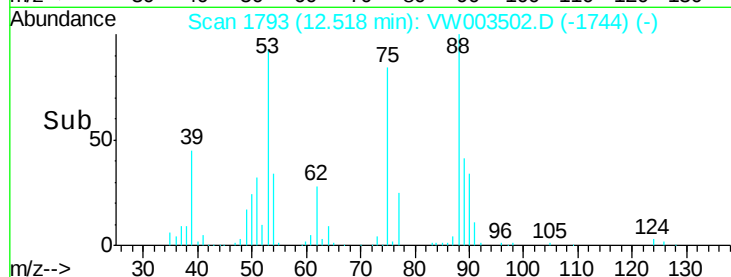
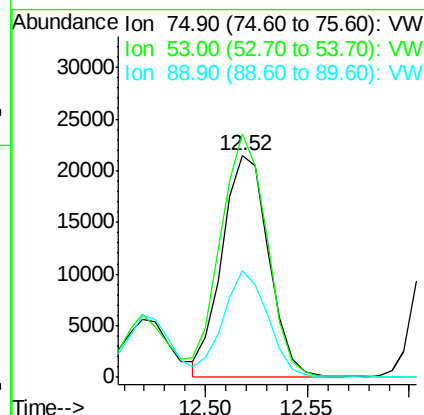
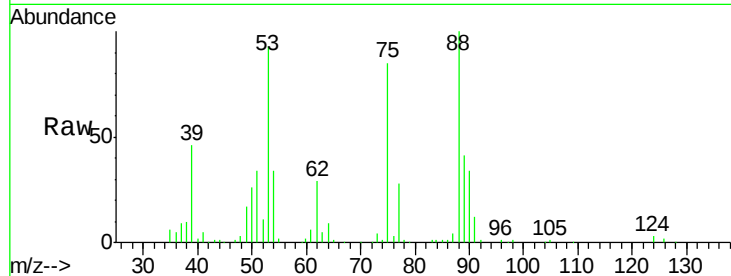
#81
trans-1,4-Dichloro-2-butene
Concen: 46.51 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	111.9	82.9	124.3
89	46.6	36.7	55.1

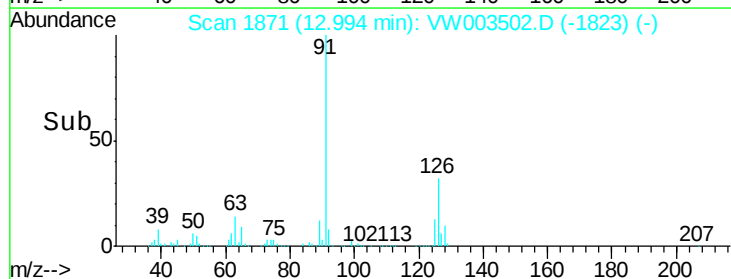
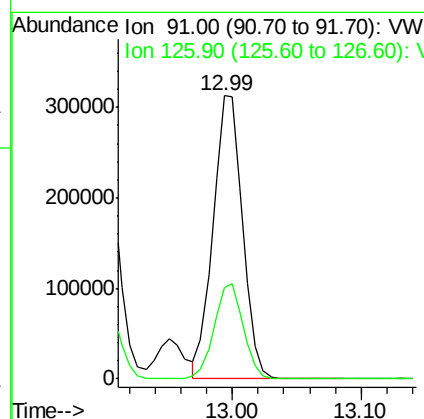
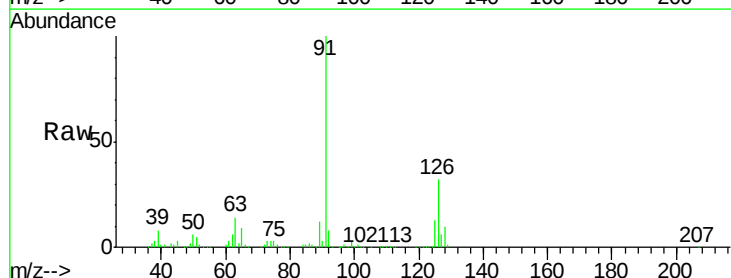
Manual Integrations
APPROVED

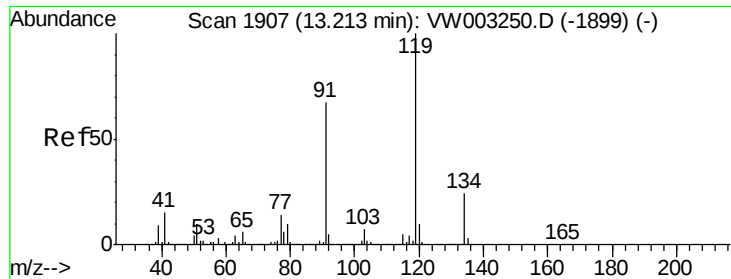
apatel
6/26/2018 12:23:58 PM



#82
4-Chlorotoluene
Concen: 50.12 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.8	50.3





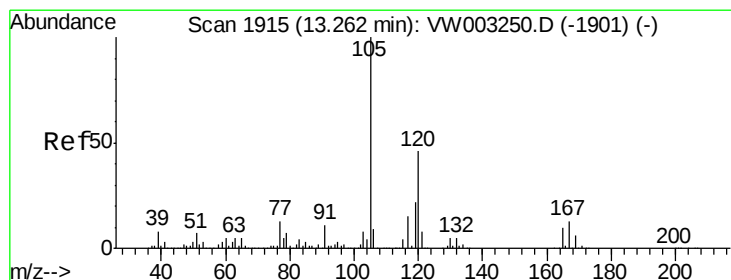
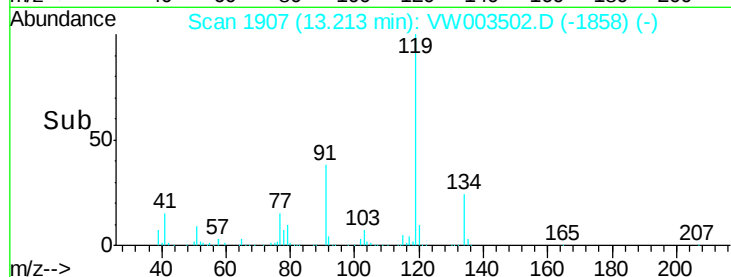
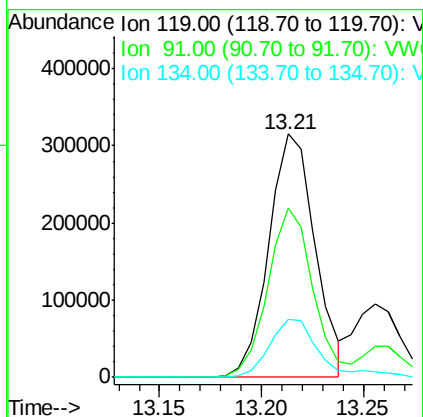
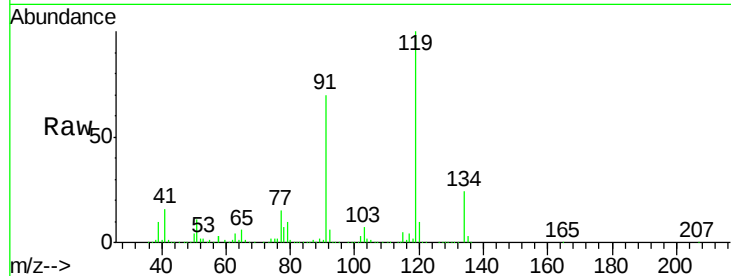
#83
 tert-Butylbenzene
 Concen: 51.46 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	500373		
91	68.1		33.9	101.7
134	26.2		13.4	40.1

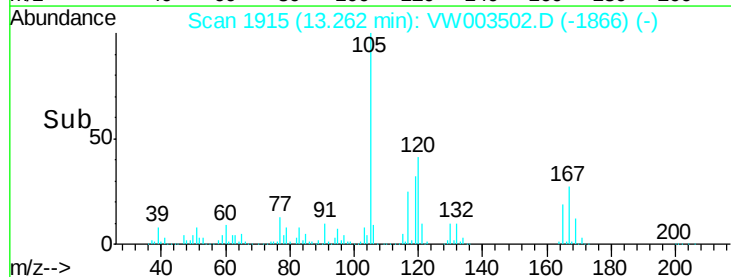
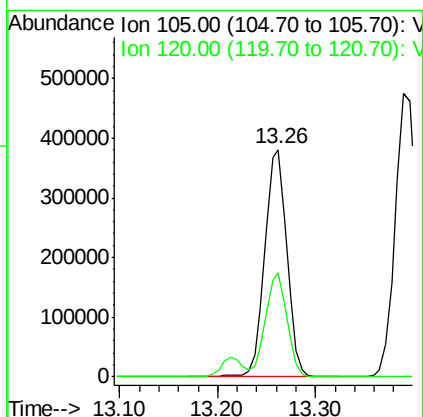
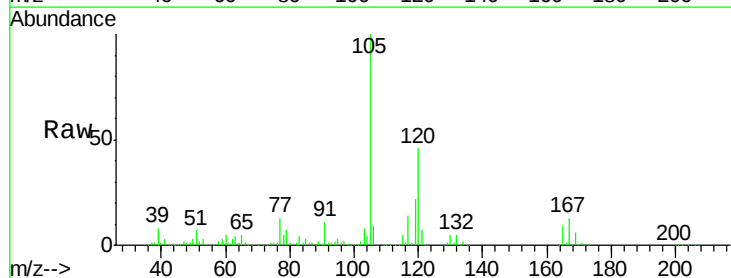
Manual Integrations
 APPROVED

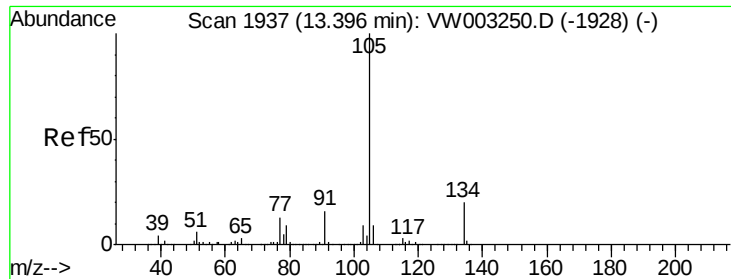
apatel
 6/26/2018 12:23:58 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.70 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	595047		
120	44.7		22.5	67.5





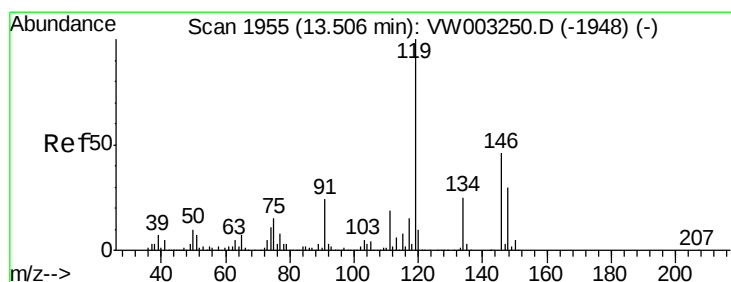
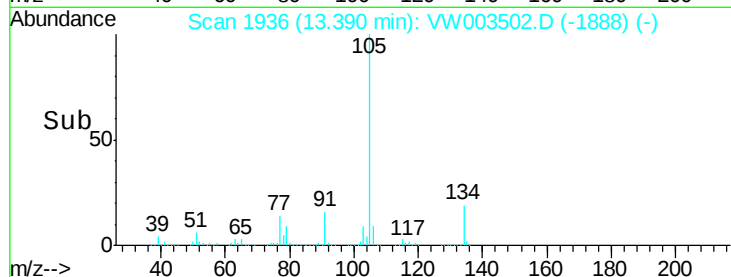
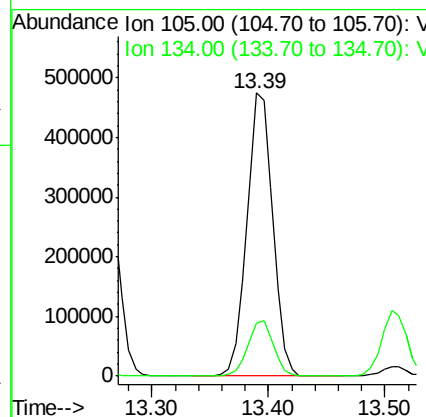
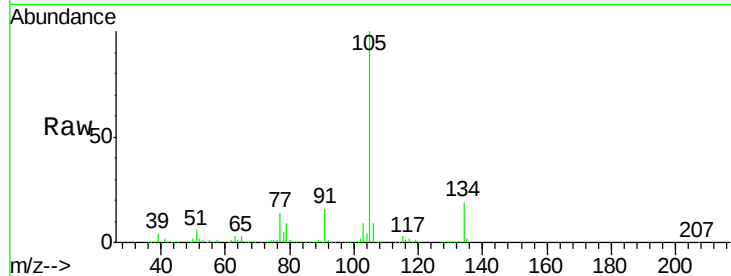
#85
 sec-Butylbenzene
 Concen: 50.86 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.5

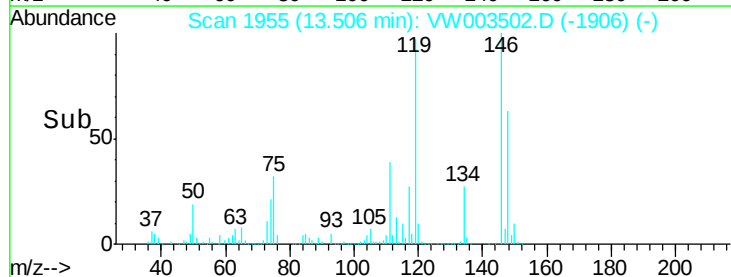
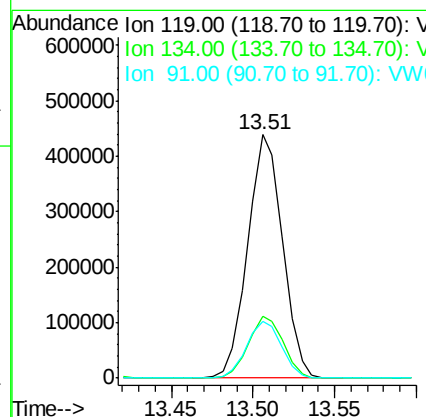
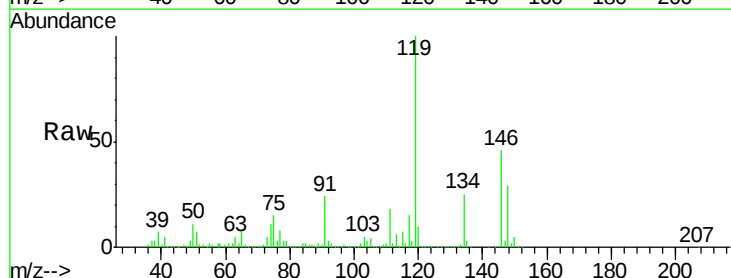
Manual Integrations
 APPROVED

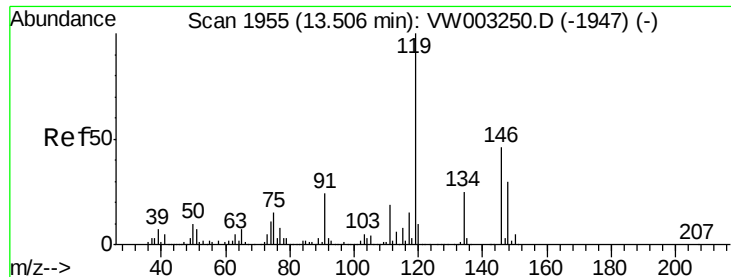
apatel
 6/26/2018 12:23:58 PM



#86
 p-Isopropyltoluene
 Concen: 51.10 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.9	38.7
91	23.7	11.8	35.3





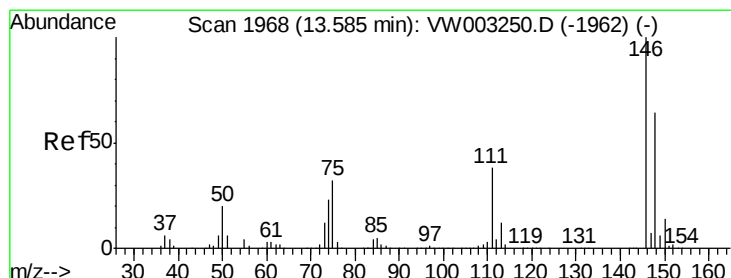
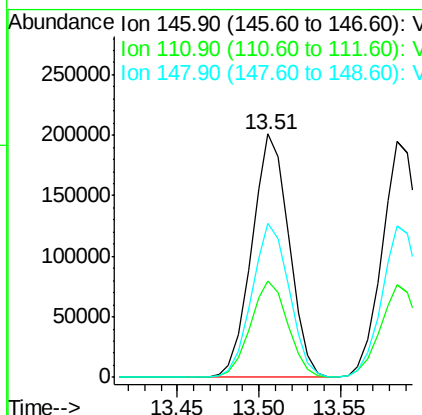
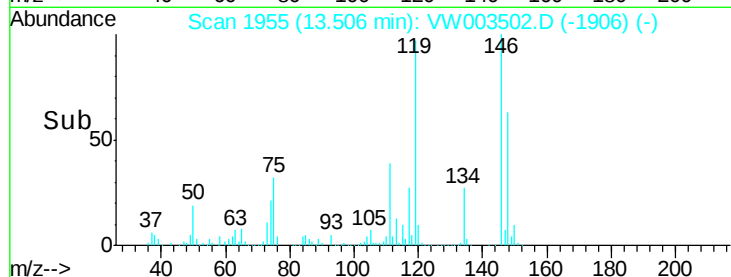
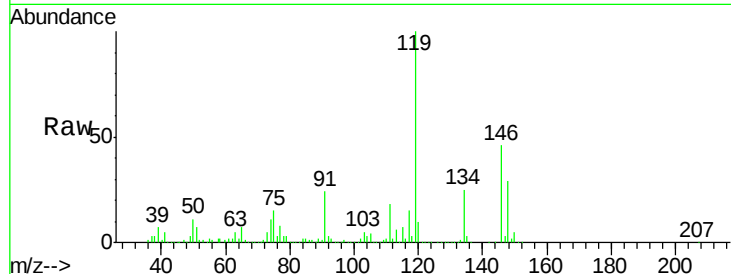
#87
 1,3-Dichlorobenzene
 Concen: 49.00 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	318676		
111	39.8	19.8	59.4	
148	63.5	32.1	96.5	

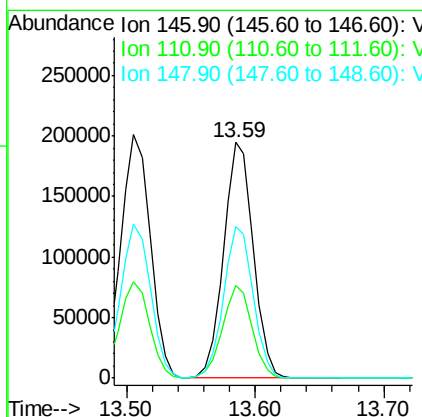
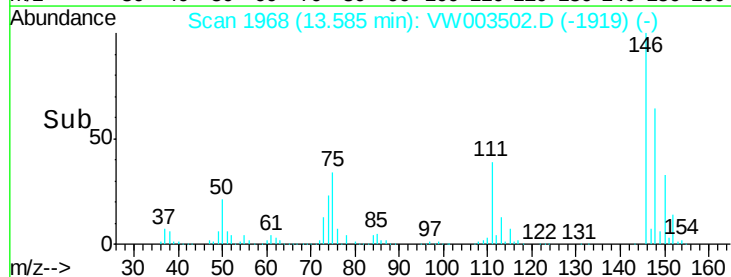
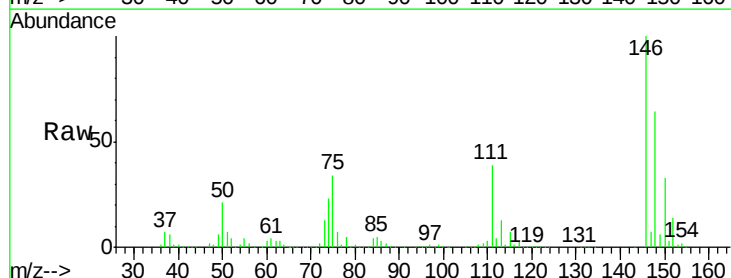
Manual Integrations
 APPROVED

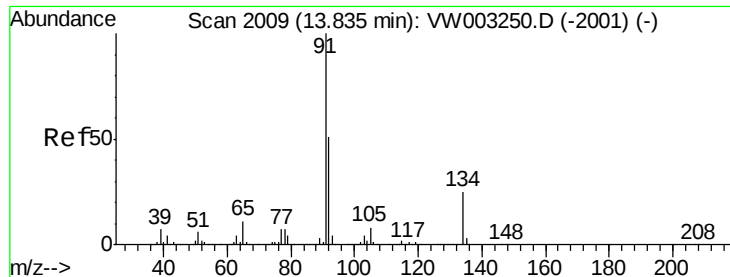
apatel
 6/26/2018 12:23:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 48.55 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	313884		
111	39.4	19.2	57.6	
148	64.2	31.8	95.4	





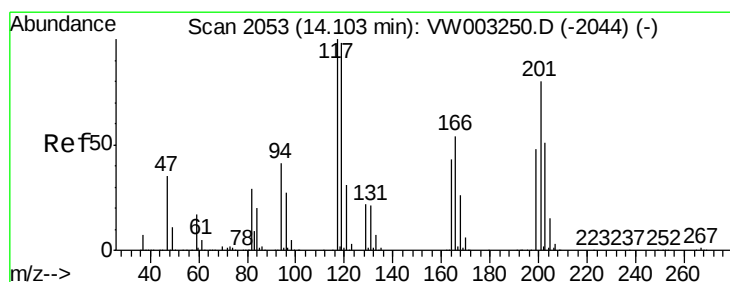
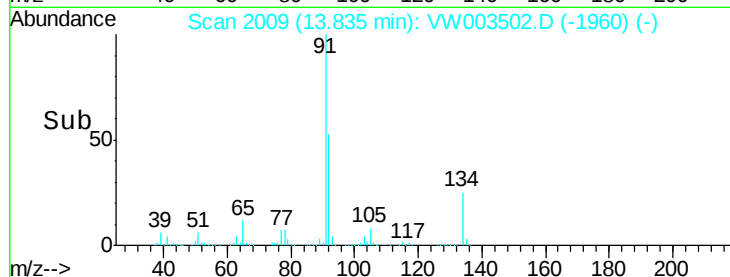
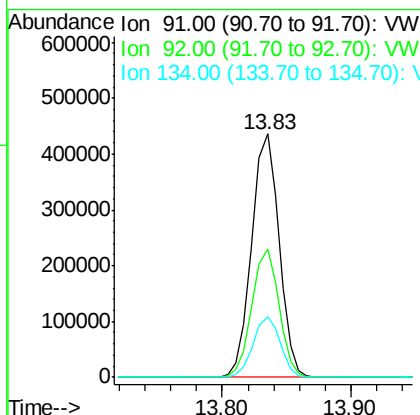
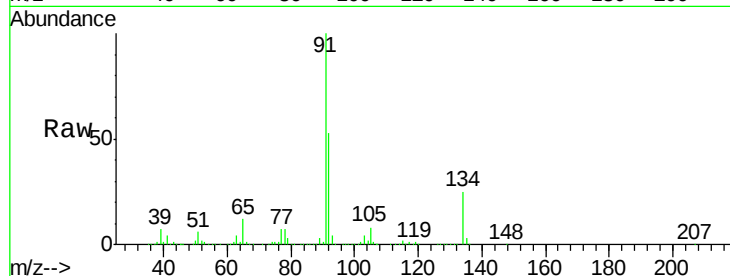
#89
n-Butylbenzene
Concen: 51.23 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.1	26.0	78.0	
134	24.8	12.7	38.0	

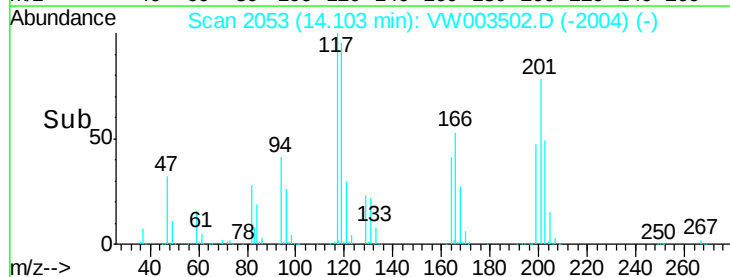
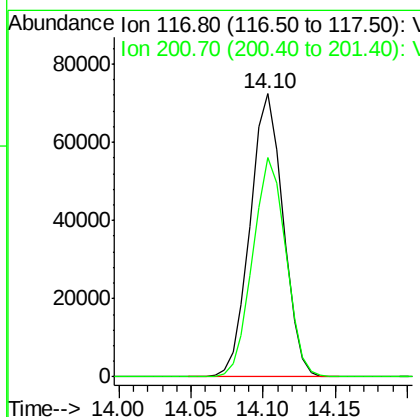
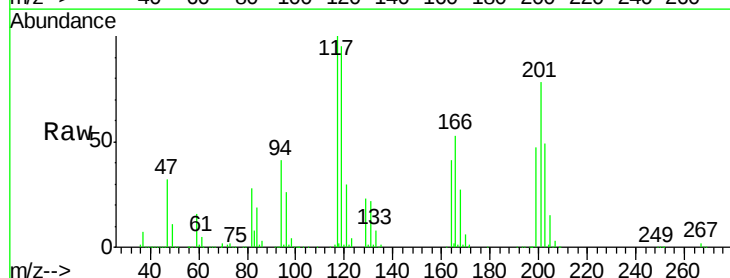
Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#90
Hexachloroethane
Concen: 49.78 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. 0.00 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	77.8	39.5	118.5	





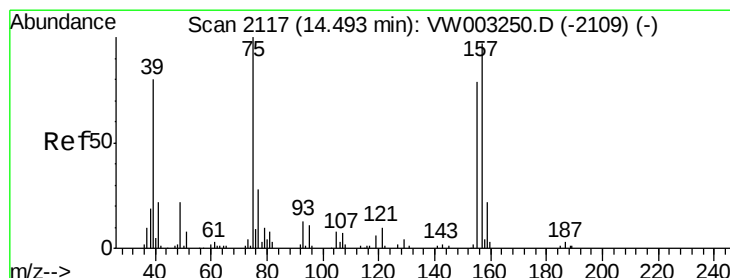
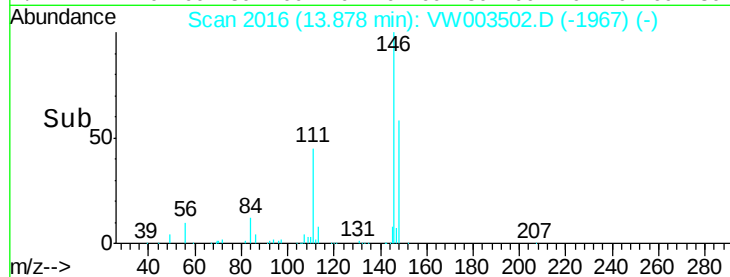
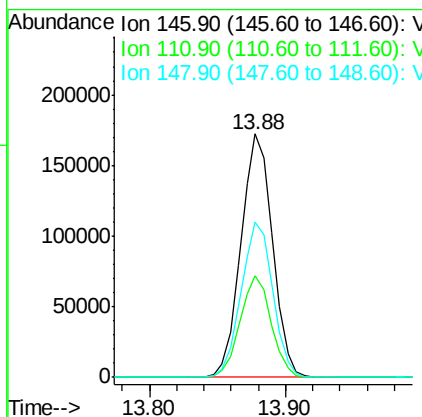
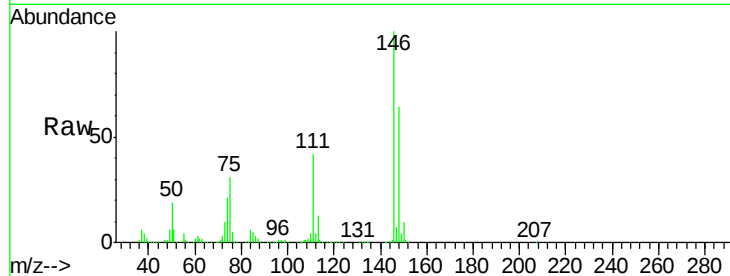
#91
 1,2-Dichlorobenzene
 Concen: 49.01 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	279206		
111	41.1	20.3	61.0	
148	64.1	32.3	96.9	

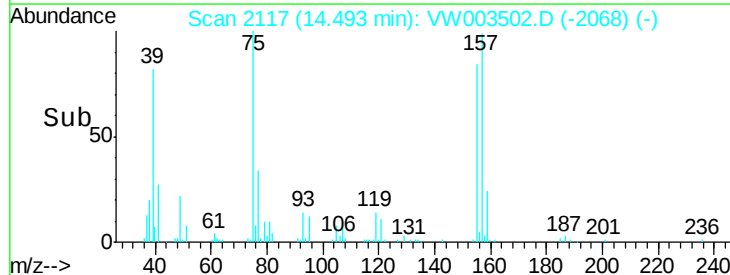
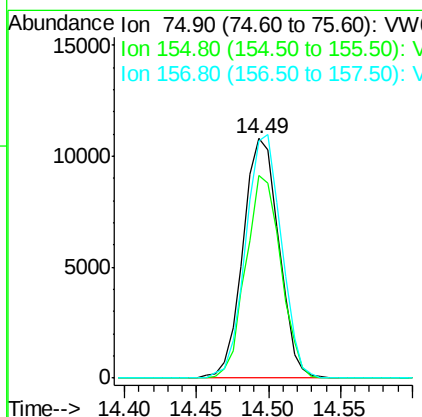
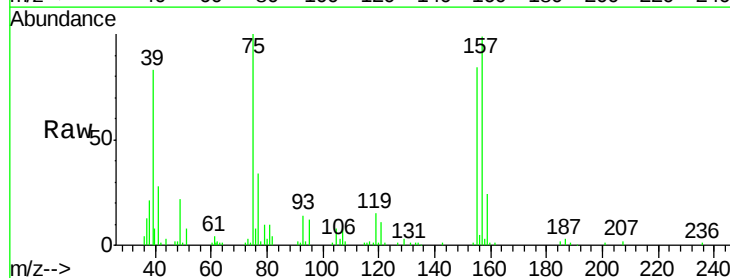
Manual Integrations
 APPROVED

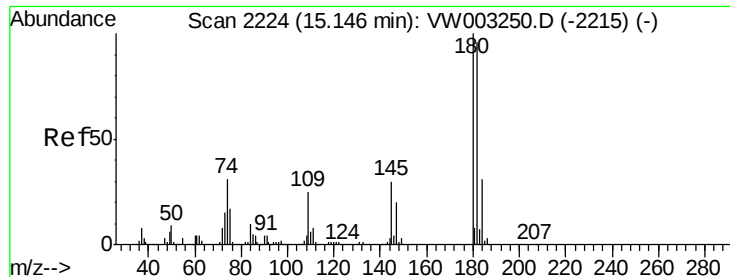
apatel
 6/26/2018 12:23:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.94 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18556		
155	82.9	39.4	118.2	
157	100.6	51.5	154.5	





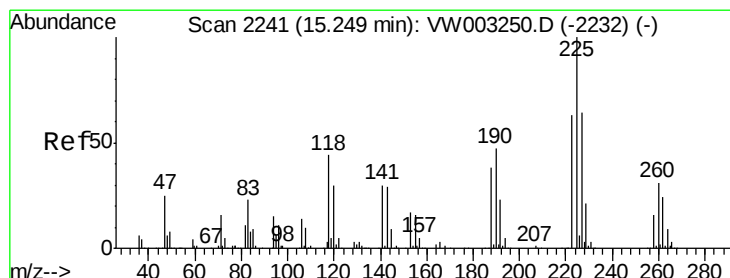
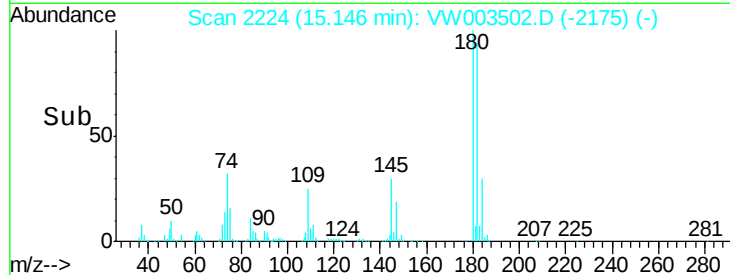
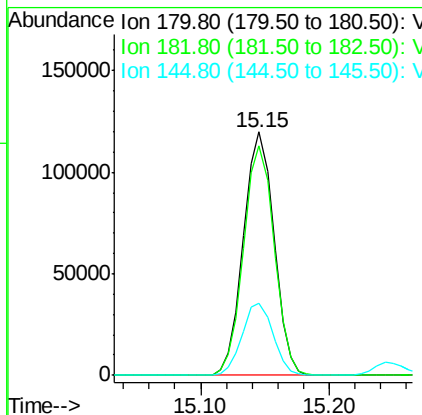
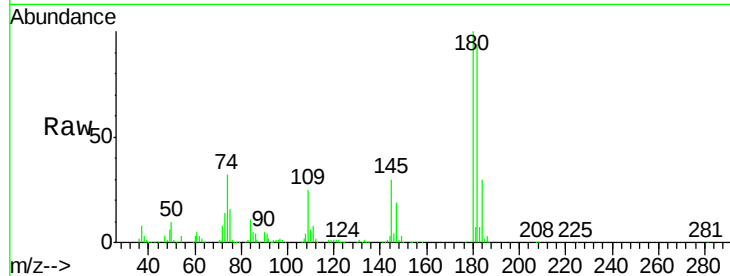
#93
 1,2,4-Trichlorobenzene
 Concen: 49.25 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	196977		
182	94.5	47.9	143.6	
145	30.4	15.2	45.5	

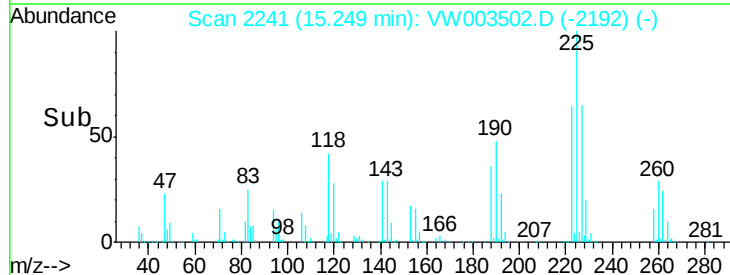
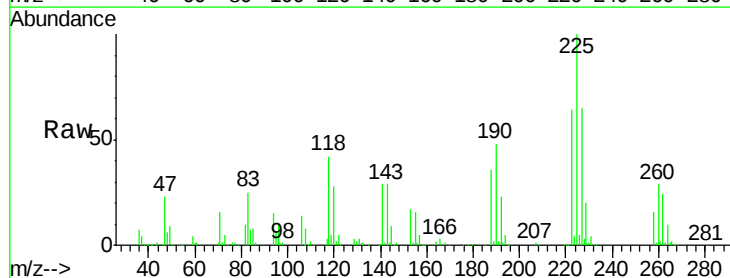
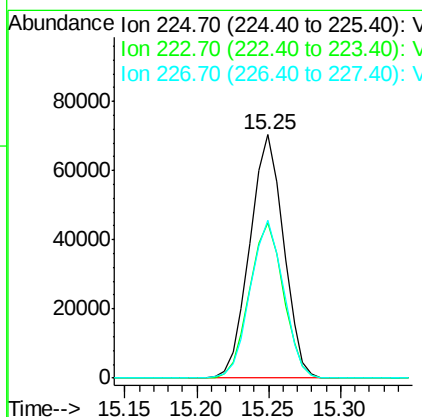
Manual Integrations
 APPROVED

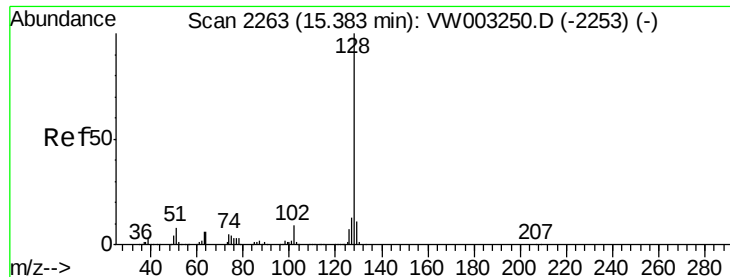
apatel
 6/26/2018 12:23:58 PM



#94
 Hexachlorobutadiene
 Concen: 47.47 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003502.D
 Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114205		
223	64.2	30.6	92.0	
227	63.9	31.7	95.1	





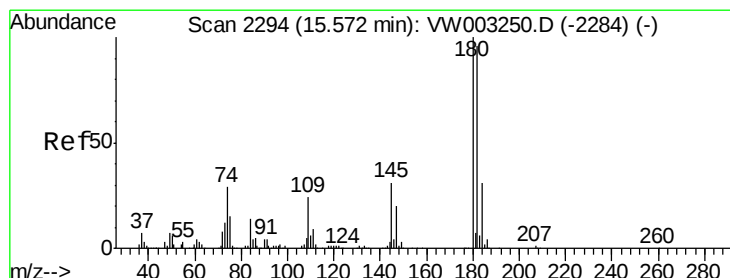
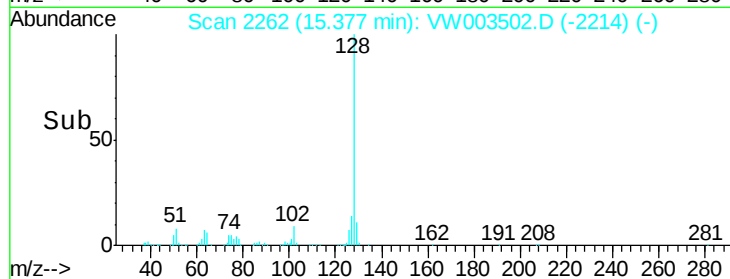
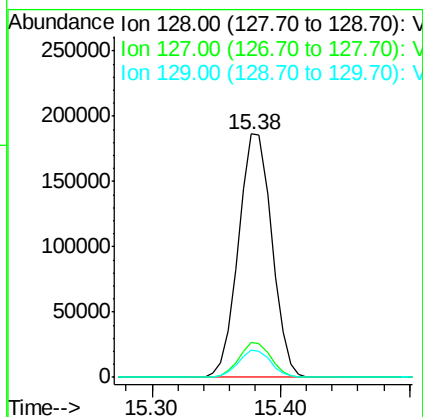
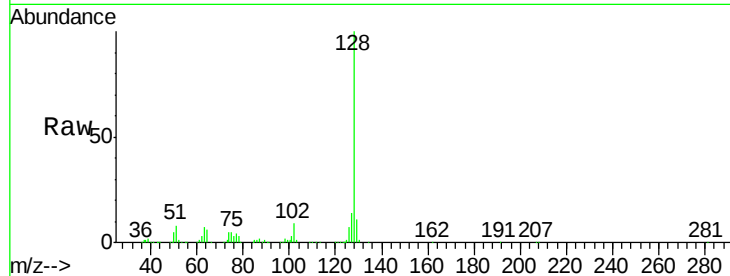
#95
Naphthalene
Concen: 49.45 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	11.0	8.9	13.3

Manual Integrations
APPROVED

apatel
6/26/2018 12:23:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.15 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VW003502.D
Acq: 24 Jun 2018 11:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	31.4	15.8	47.4

