

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008346.D
 Acq On : 17 Jan 2019 23:19
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:10:22 PM

Quant Time: Jan 18 02:06:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	146754	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	73729	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	50928	58.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.70%	
35) Dibromofluoromethane	7.88	113	49166	52.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.96%	
50) Toluene-d8	10.32	98	196395	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
62) 4-Bromofluorobenzene	12.62	95	72188	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	25560	48.347	ug/l	93
3) Chloromethane	2.21	50	43178	55.715	ug/l	95
4) Vinyl Chloride	2.37	62	57506	58.075	ug/l	92
5) Bromomethane	2.78	94	45355	60.440	ug/l	96
6) Chloroethane	2.93	64	40818	62.978	ug/l	93
7) Trichlorofluoromethane	3.25	101	41096	56.524	ug/l	99
8) Diethyl Ether	3.67	74	29995	59.494	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	43473	51.358	ug/l	94
10) Methyl Iodide	4.26	142	67863	49.710	ug/l	96
11) Tert butyl alcohol	5.17	59	15939	271.234	ug/l	95
12) 1,1-Dichloroethene	4.03	96	44516	51.708	ug/l	96
13) Acrolein	3.89	56	16746	274.394	ug/l	92
14) Allyl chloride	4.67	41	79384	55.157	ug/l	99
15) Acrylonitrile	5.36	53	61721	318.694	ug/l	99
16) Acetone	4.12	43	51886	255.984	ug/l	99
17) Carbon Disulfide	4.37	76	144177	55.037	ug/l	98
18) Methyl Acetate	4.67	43	31111	57.460	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	78357	59.457	ug/l #	91
20) Methylene Chloride	4.90	84	54442	58.490	ug/l #	96
21) trans-1,2-Dichloroethene	5.42	96	55297	57.188	ug/l	96
22) Diisopropyl ether	6.31	45	173111	61.608	ug/l	99
23) Vinyl Acetate	6.25	43	492552	327.930	ug/l	99
24) 1,1-Dichloroethane	6.21	63	99455	58.131	ug/l	98
25) 2-Butanone	7.17	43	82676	318.464	ug/l	99
26) 2,2-Dichloropropane	7.17	77	54097	49.548	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	61367	58.578	ug/l	98
28) Bromochloromethane	7.51	49	44836	63.609	ug/l #	98
29) Tetrahydrofuran	7.53	42	54512	336.817	ug/l	100
30) Chloroform	7.67	83	100407	59.316	ug/l	97
31) Cyclohexane	7.95	56	88160	54.083	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	78974	55.590	ug/l	98
36) 1,1-Dichloropropene	8.07	75	79523	53.860	ug/l	99
37) Ethyl Acetate	7.25	43	36423	59.821	ug/l	99
38) Carbon Tetrachloride	8.06	117	73770	50.598	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
 Data File : VW008346.D
 Acq On : 17 Jan 2019 23:19
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 2:10:22 PM

Quant Time: Jan 18 02:06:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93781	53.398	ug/l	97
40) Benzene	8.32	78	232545	55.601	ug/l	100
41) Methacrylonitrile	7.48	41	21566	60.845	ug/l	97
42) 1,2-Dichloroethane	8.40	62	66223	56.625	ug/l	99
43) Isopropyl Acetate	8.43	43	69756	60.652	ug/l	100
44) Trichloroethene	9.09	130	59493	51.920	ug/l	97
45) 1,2-Dichloropropane	9.37	63	58237	56.057	ug/l	99
46) Dibromomethane	9.46	93	30524	56.373	ug/l	95
47) Bromodichloromethane	9.64	83	76997	57.650	ug/l	98
48) Methyl methacrylate	9.44	41	33509	61.891	ug/l	96
49) 1,4-Dioxane	9.45	88	10127	1161.823	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	188195	323.160	ug/l	99
52) Toluene	10.39	92	150807	56.978	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	76156	57.130	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89083	56.690	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	44249	58.919	ug/l	95
56) Ethyl methacrylate	10.65	69	55551	62.983	ug/l	100
57) 1,3-Dichloropropane	10.93	76	77219	59.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	127977	300.815	ug/l	99
59) 2-Hexanone	10.97	43	132748	325.333	ug/l	96
60) Dibromochloromethane	11.13	129	51880	57.882	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42580	58.551	ug/l	98
64) Tetrachloroethene	10.86	164	52592	52.236	ug/l	97
65) Chlorobenzene	11.66	112	168787	53.891	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	56969	52.849	ug/l	98
67) Ethyl Benzene	11.73	91	292884	53.857	ug/l	100
68) m/p-Xylenes	11.84	106	230004	108.965	ug/l	99
69) o-Xylene	12.17	106	109845	55.701	ug/l	100
70) Styrene	12.18	104	181361	57.255	ug/l	99
71) Bromoform	12.35	173	29957	55.787	ug/l #	99
73) Isopropylbenzene	12.47	105	287612	53.538	ug/l	99
74) N-amyl acetate	12.27	43	68572	59.563	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	51890	56.788	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	36882m	54.932	ug/l	
77) Bromobenzene	12.75	156	68640	53.194	ug/l	96
78) n-propylbenzene	12.80	91	347139	53.387	ug/l	98
79) 2-Chlorotoluene	12.90	91	199689	53.750	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	246143	54.907	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	15048	53.485	ug/l	95
82) 4-Chlorotoluene	12.99	91	208441	53.691	ug/l	99
83) tert-Butylbenzene	13.21	119	215675	54.662	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	250148	54.777	ug/l	99
85) sec-Butylbenzene	13.38	105	292298	51.597	ug/l	98
86) p-Isopropyltoluene	13.50	119	262407	53.035	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	133108	51.918	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	137248	53.433	ug/l	100
89) n-Butylbenzene	13.83	91	254888	53.705	ug/l	99
90) Hexachloroethane	14.10	117	48400	52.858	ug/l	90
91) 1,2-Dichlorobenzene	13.88	146	121585	53.713	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8604	57.585	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011719\
Data File : VW008346.D
Acq On : 17 Jan 2019 23:19
Operator : SY/VA
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

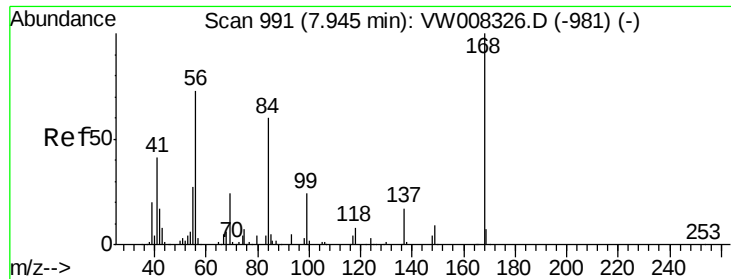
Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM

Quant Time: Jan 18 02:06:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	79506	51.886	ug/l	99
94) Hexachlorobutadiene	15.24	225	40731	47.165	ug/l	96
95) Naphthalene	15.38	128	157412	55.360	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	69527	52.092	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 83903

Ion Ratio Lower Upper

168 100

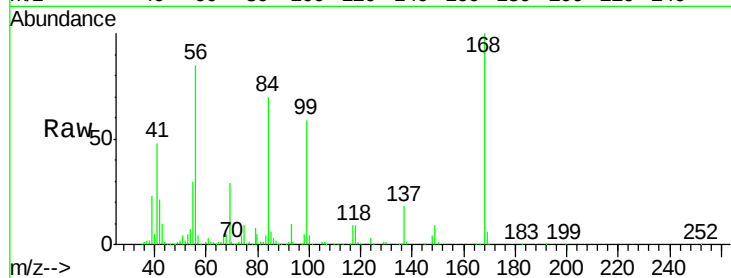
99 58.6 44.6 66.8

Manual Integrations

APPROVED

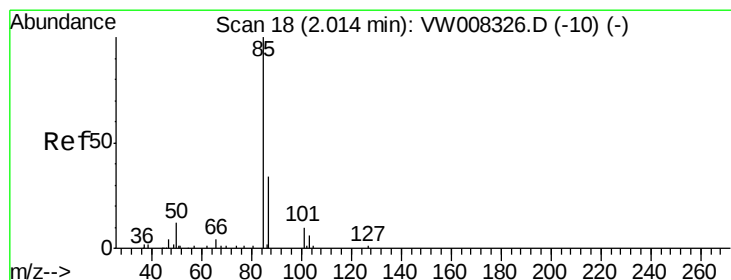
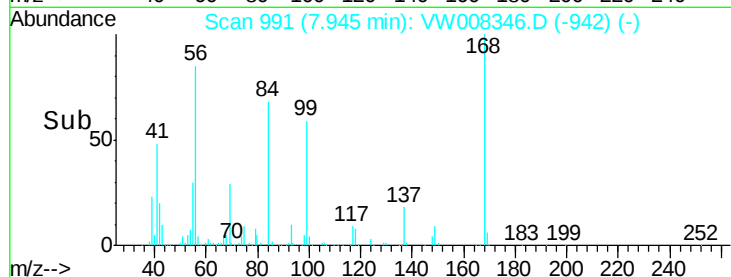
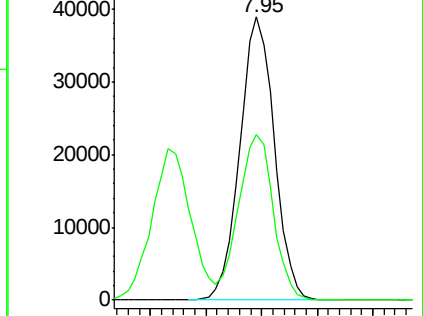
MMDadoda

1/18/2019 2:10:22 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 48.347 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008346.D

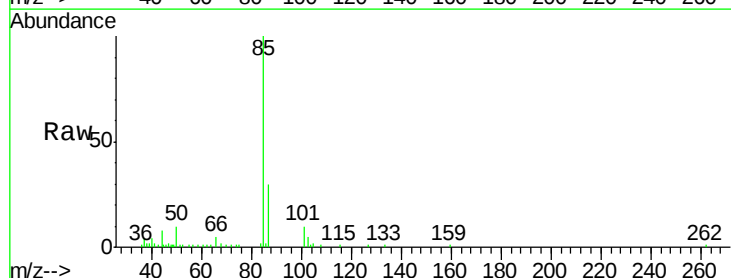
Acq: 17 Jan 2019 23:19

Tgt Ion: 85 Resp: 25560

Ion Ratio Lower Upper

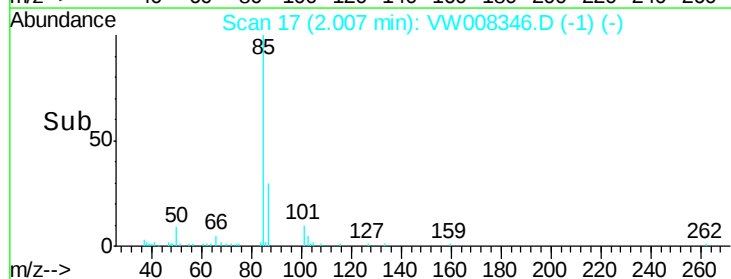
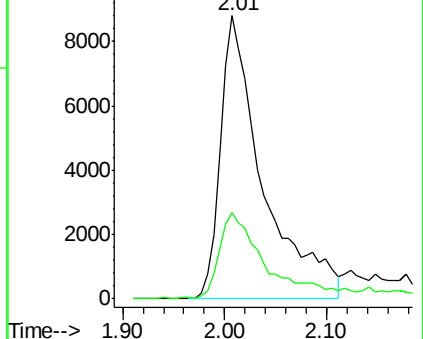
85 100

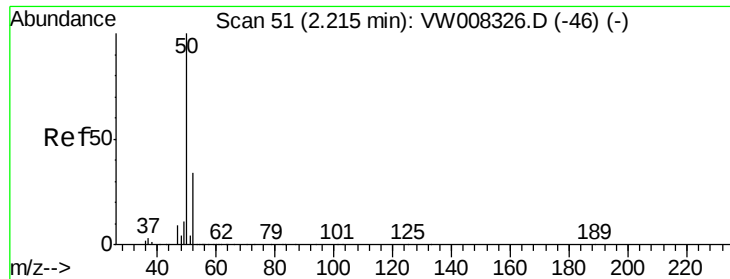
87 29.7 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 55.715 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 43178

Ion Ratio Lower Upper

50 100

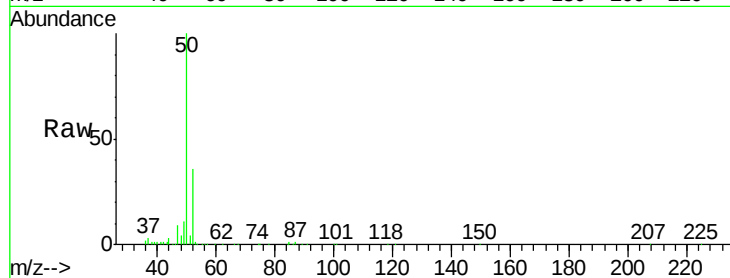
52 36.1 26.7 40.1

Manual Integrations

APPROVED

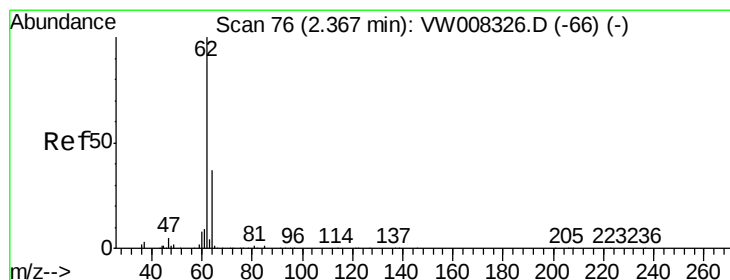
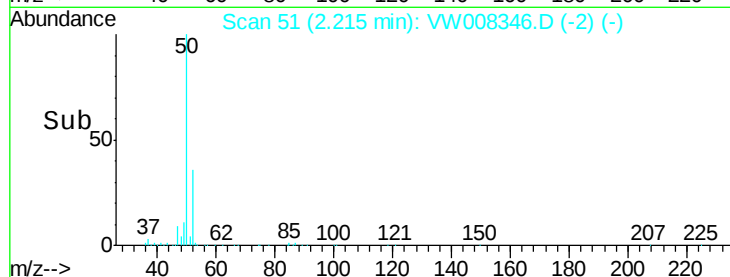
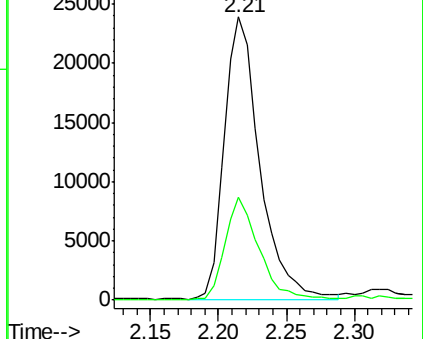
MMDadoda

1/18/2019 2:10:22 PM



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 58.075 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008346.D

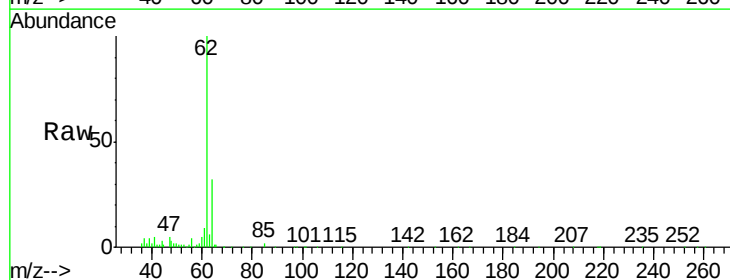
Acq: 17 Jan 2019 23:19

Tgt Ion: 62 Resp: 57506

Ion Ratio Lower Upper

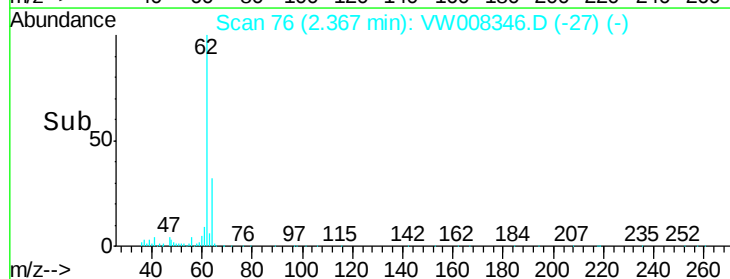
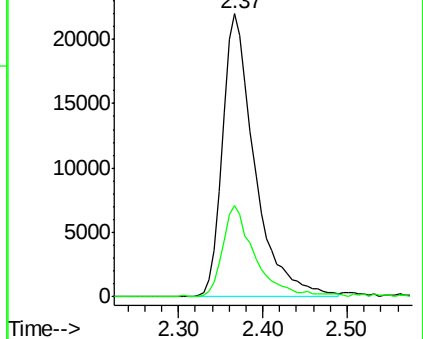
62 100

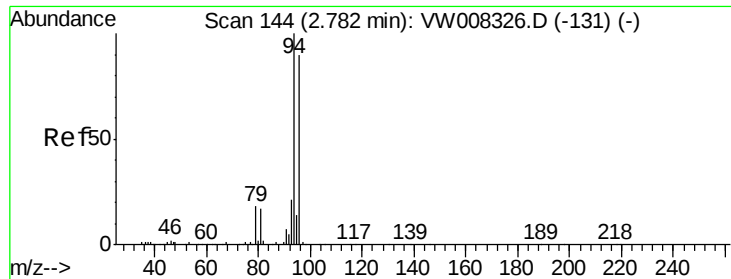
64 31.9 29.4 44.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 60.440 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 45355

Ion Ratio Lower Upper

94 100

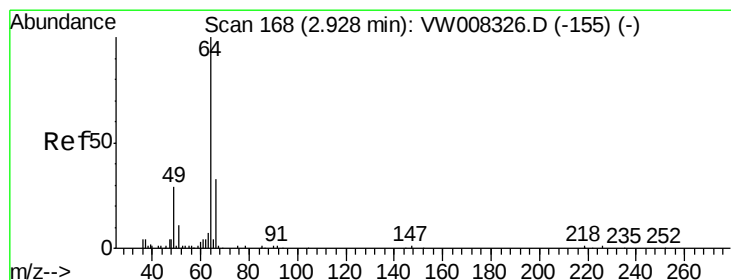
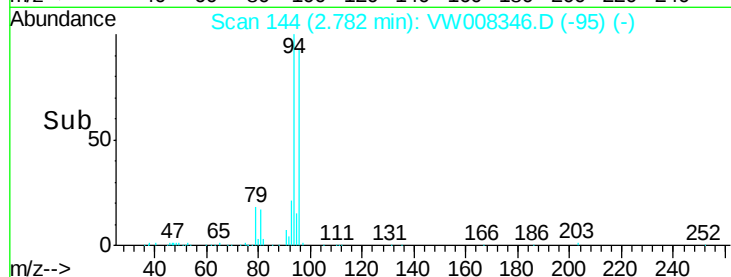
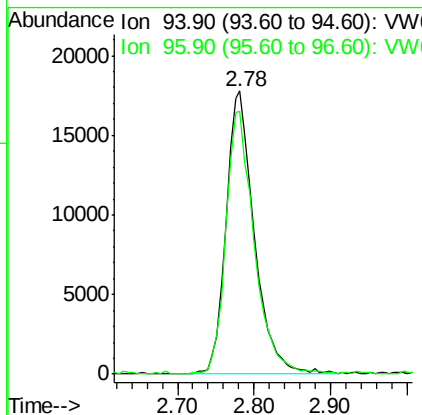
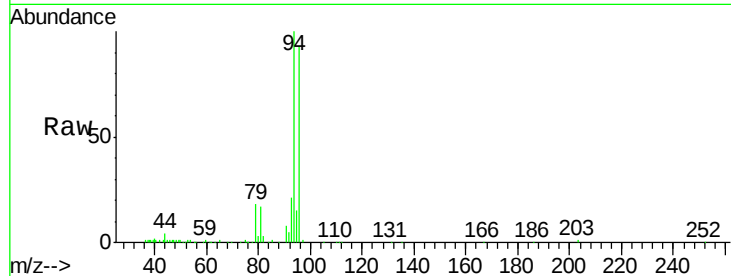
96 92.8 71.4 107.0

Manual Integrations

APPROVED

MMDadoda

1/18/2019 2:10:22 PM



#6

Chloroethane

Concen: 62.978 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW008346.D

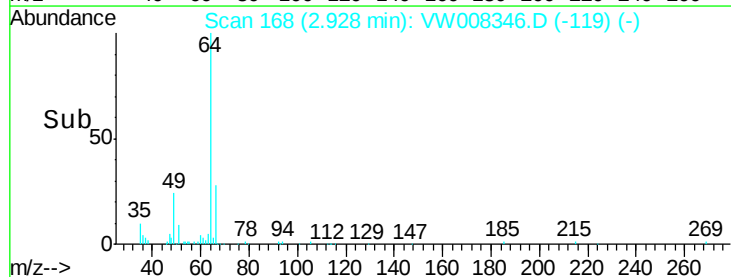
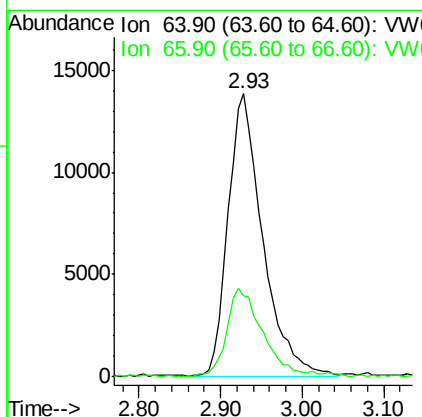
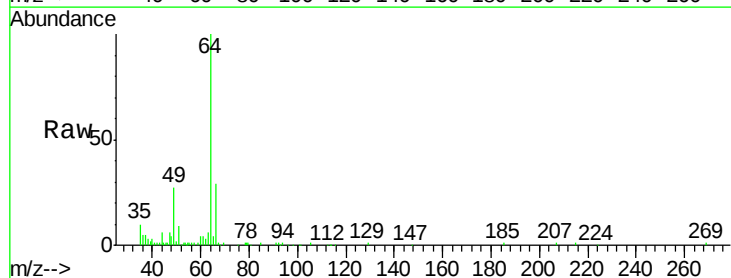
Acq: 17 Jan 2019 23:19

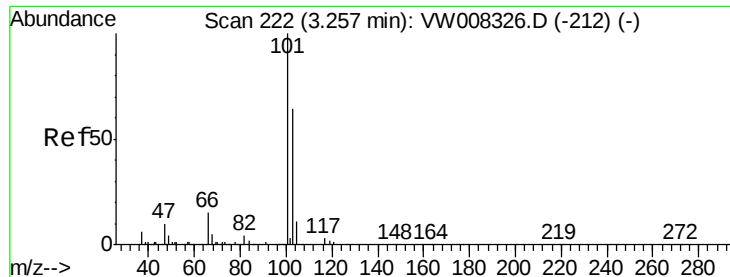
Tgt Ion: 64 Resp: 40818

Ion Ratio Lower Upper

64 100

66 28.7 26.2 39.4





#7

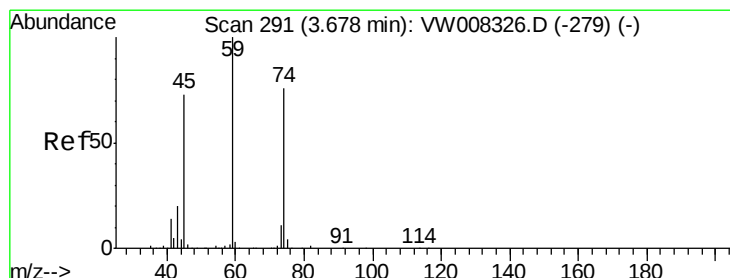
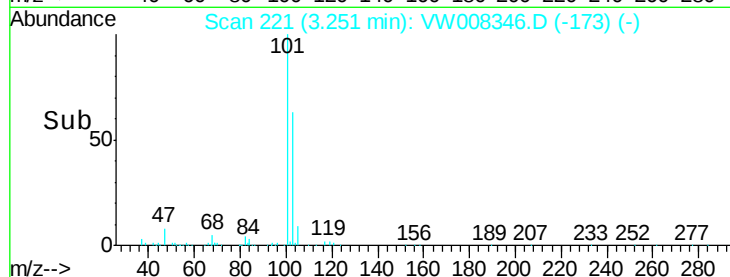
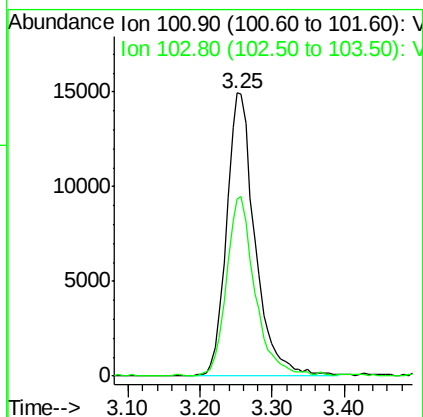
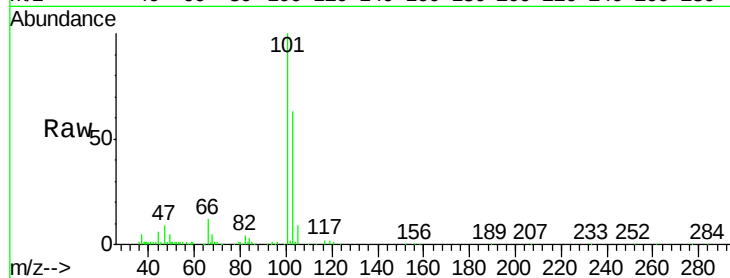
Trichlorofluoromethane
Concen: 56.524 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	50.9	76.3

Manual Integrations
APPROVED

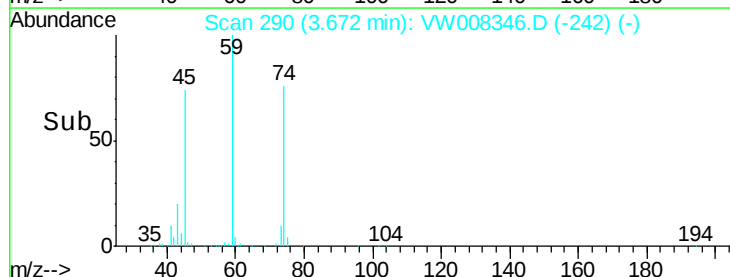
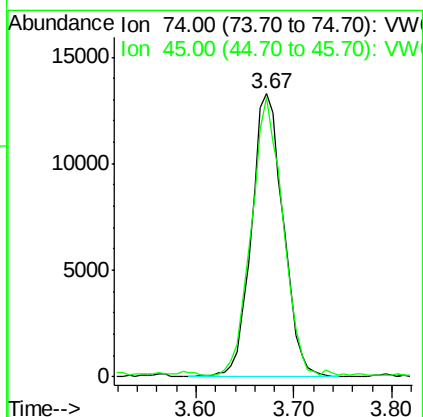
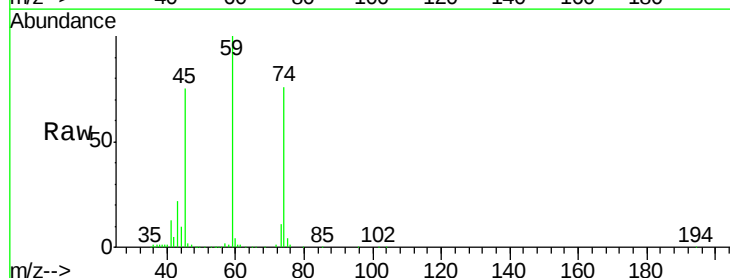
MMDadoda
1/18/2019 2:10:22 PM

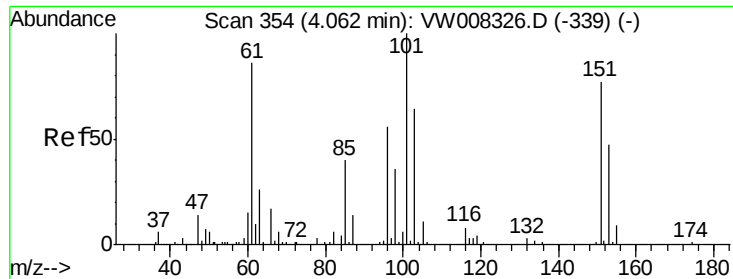


#8

Diethyl Ether
Concen: 59.494 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	50.1	150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.358 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.02 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

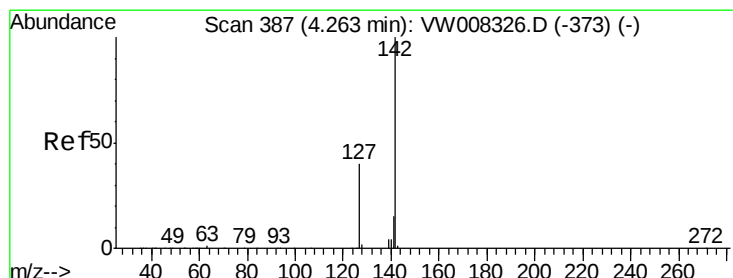
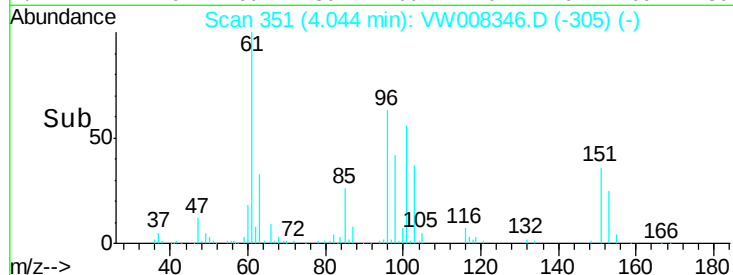
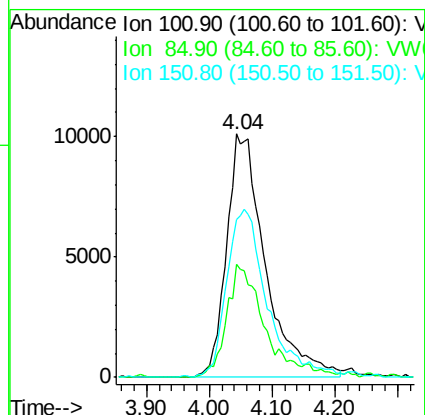
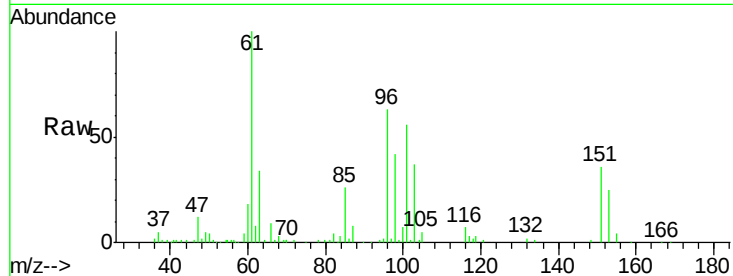
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	43473
Ion Ratio	Lower	Upper	
101	100		
85	43.2	36.0	54.0
151	71.6	62.3	93.5

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM



#10

Methyl Iodide

Concen: 49.710 ug/l

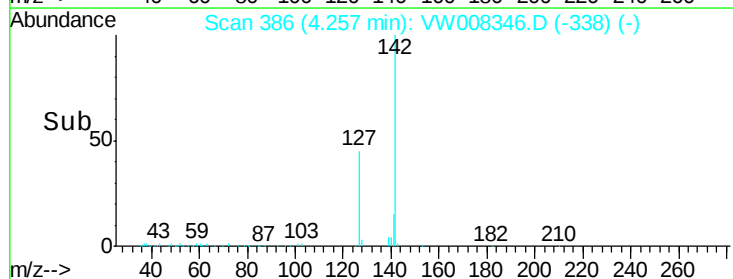
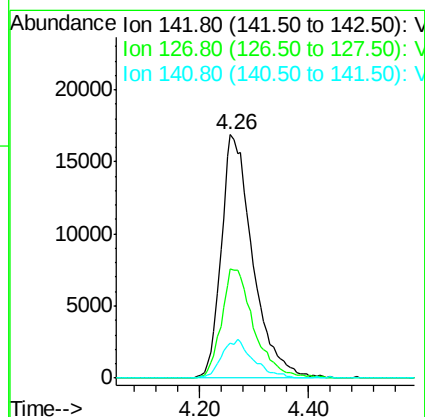
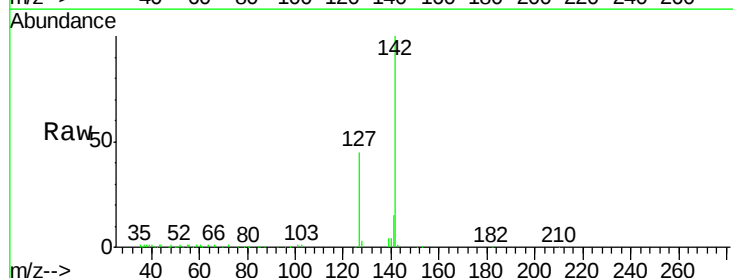
RT: 4.26 min Scan# 386

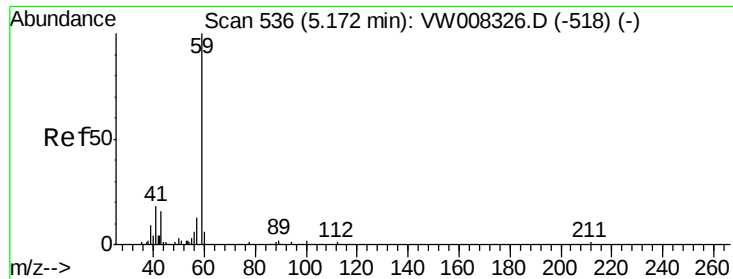
Delta R.T. -0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Tgt Ion:	142	Resp:	67863
Ion Ratio	Lower	Upper	
142	100		
127	46.0	34.3	51.5
141	15.8	12.2	18.2





#11

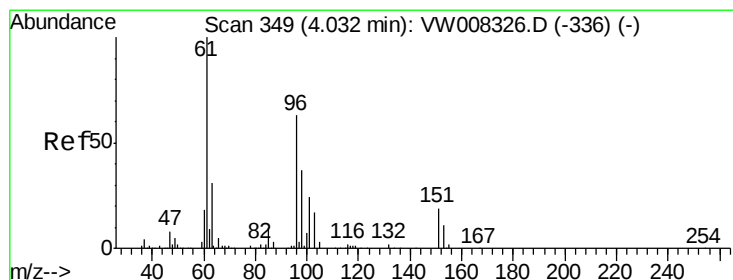
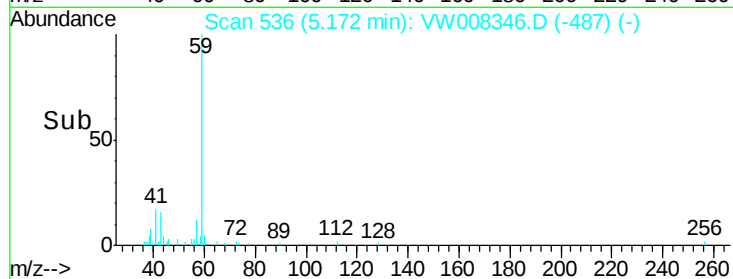
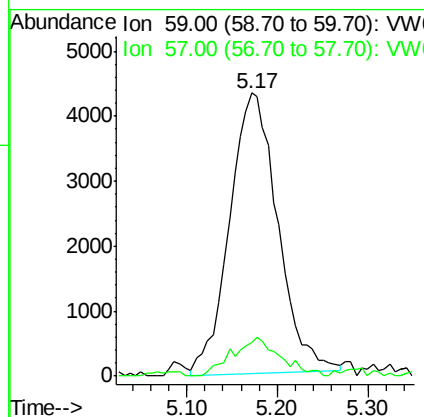
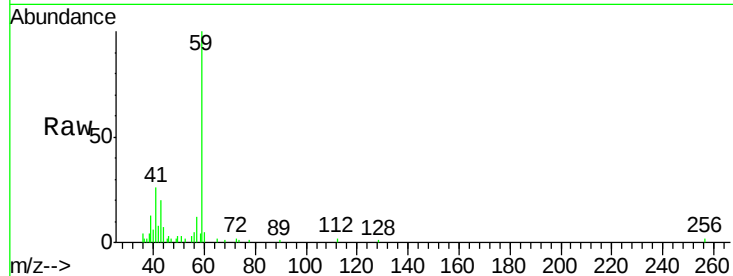
Tert butyl alcohol
 Concen: 271.234 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.7	9.4	14.2

Manual Integrations
 APPROVED

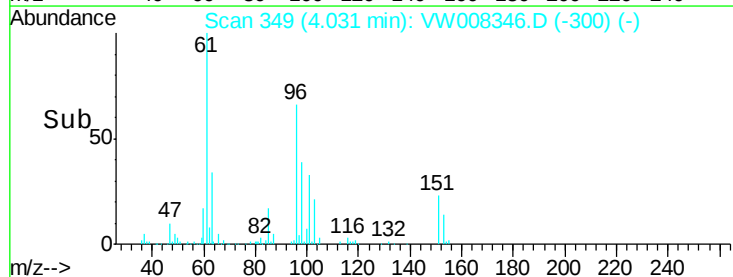
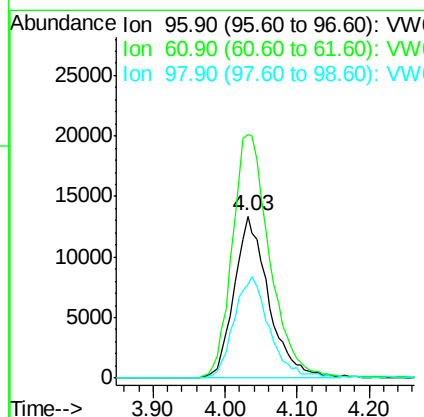
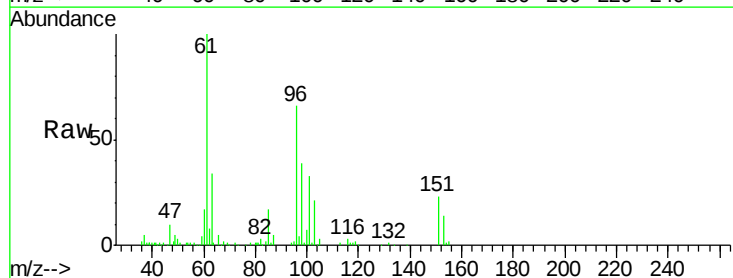
MMDadoda
 1/18/2019 2:10:22 PM

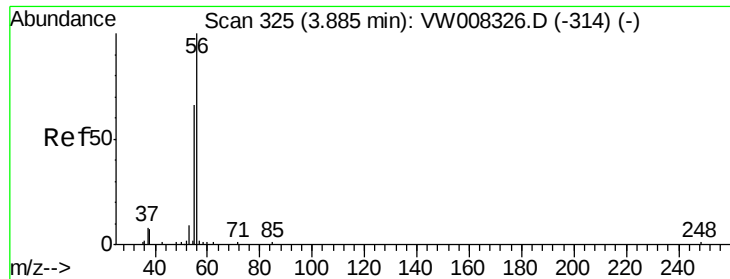


#12

1,1-Dichloroethene
 Concen: 51.708 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	126.4	189.6
98	58.0	46.7	70.1





#13

Acrolein

Concen: 274.394 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 16746

Ion Ratio Lower Upper

56 100

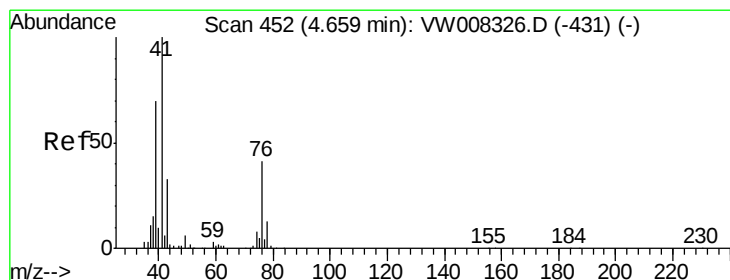
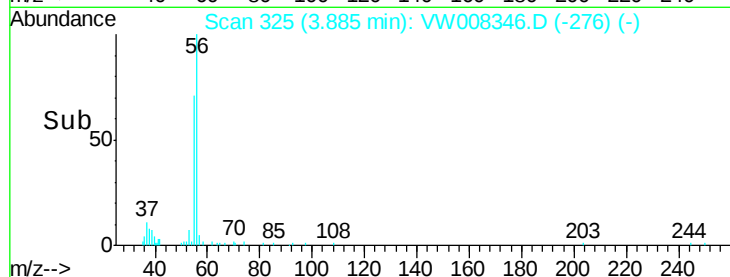
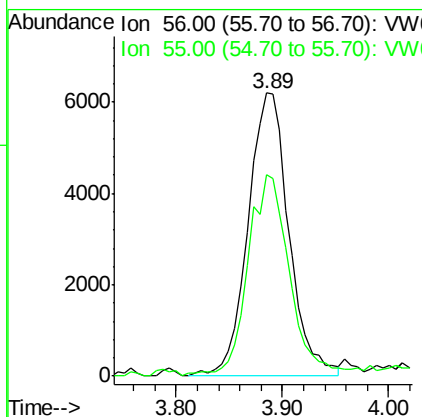
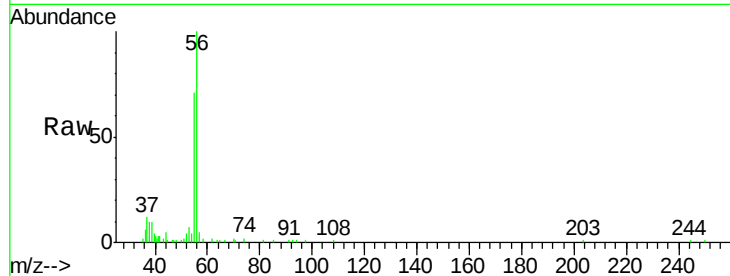
55 72.1 52.9 79.3

Manual Integrations

APPROVED

MMDadoda

1/18/2019 2:10:22 PM



#14

Allyl chloride

Concen: 55.157 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

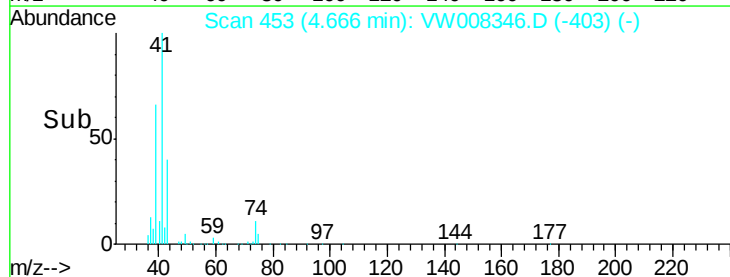
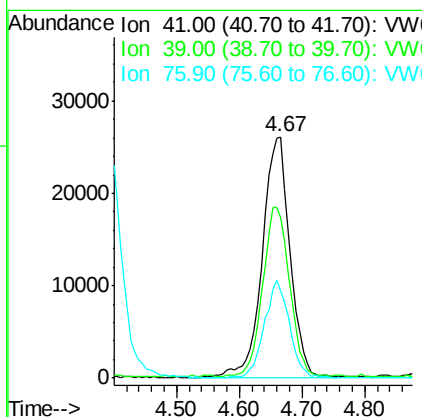
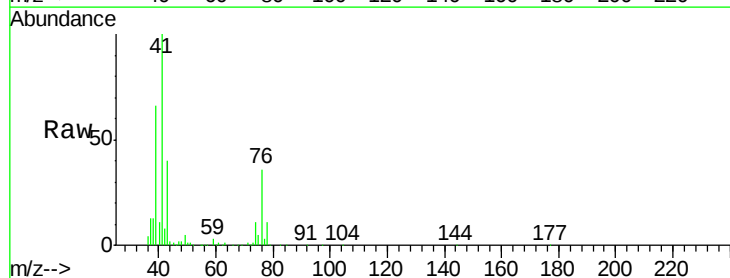
Tgt Ion: 41 Resp: 79384

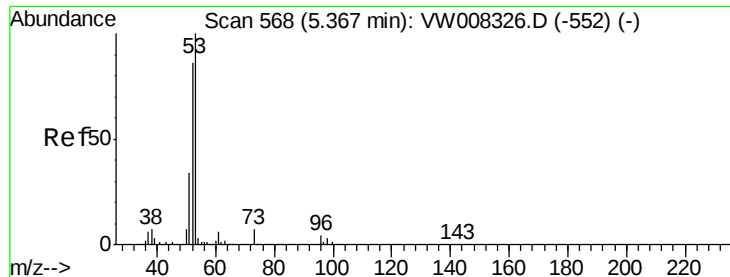
Ion Ratio Lower Upper

41 100

39 68.5 54.1 81.1

76 37.1 29.5 44.3





#15

Acrylonitrile

Concen: 318.694 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

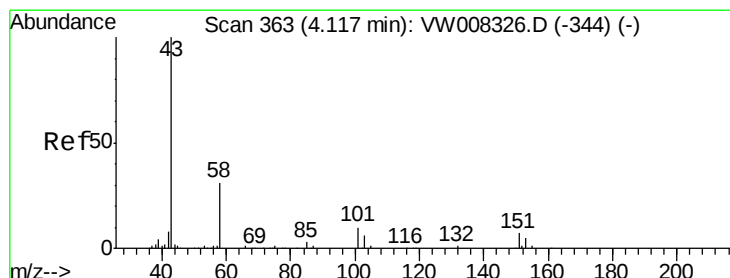
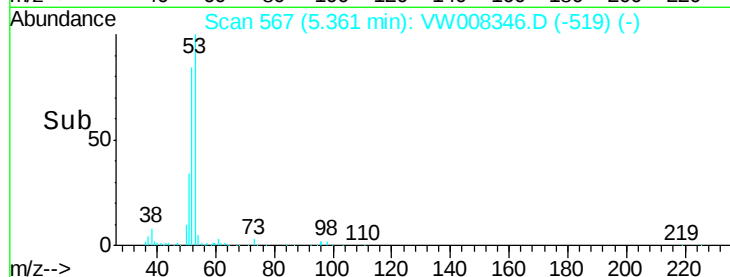
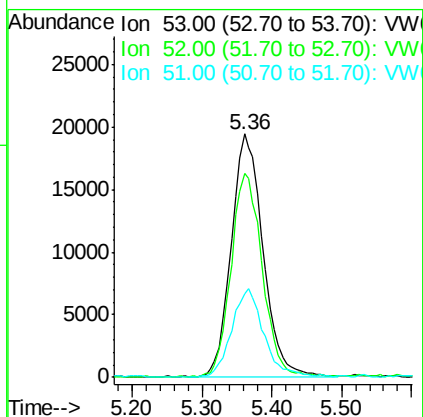
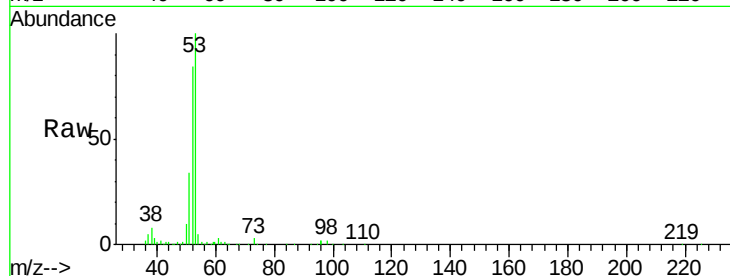
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	61721
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.4	99.6
51	36.7	29.6	44.4

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM



#16

Acetone

Concen: 255.984 ug/l

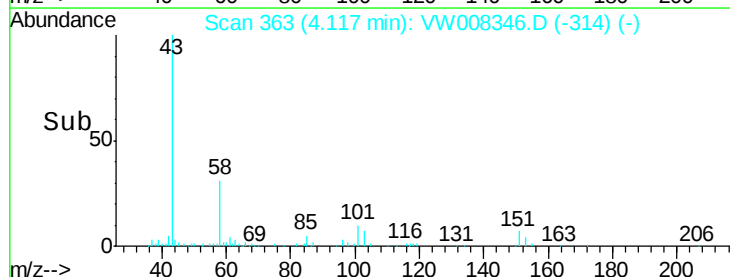
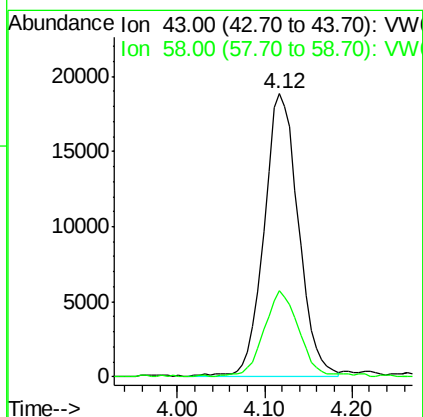
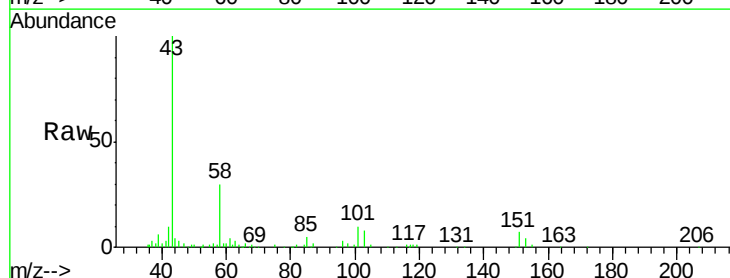
RT: 4.12 min Scan# 363

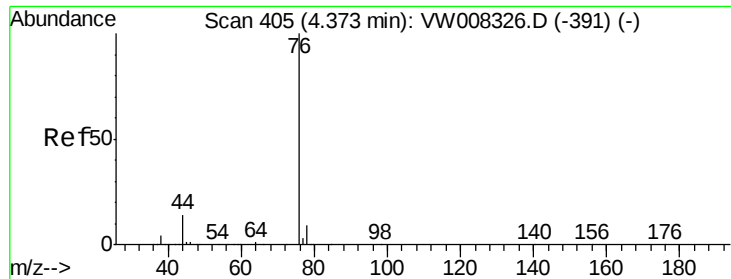
Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Tgt Ion:	43	Resp:	51886
Ion Ratio	Lower	Upper	
43	100		
58	30.4	24.7	37.1





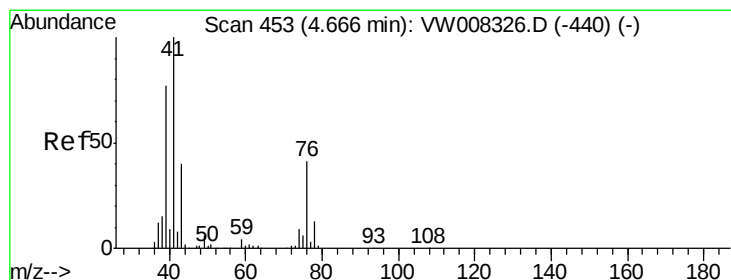
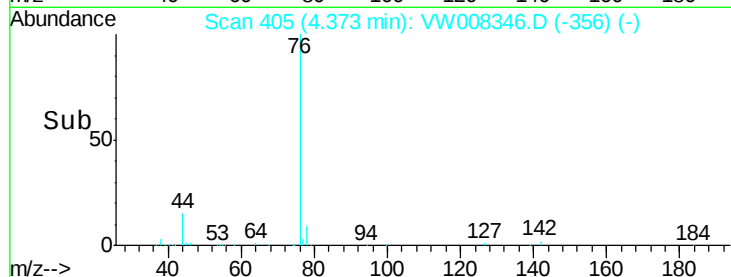
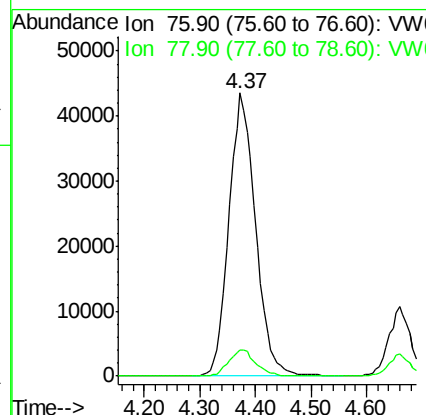
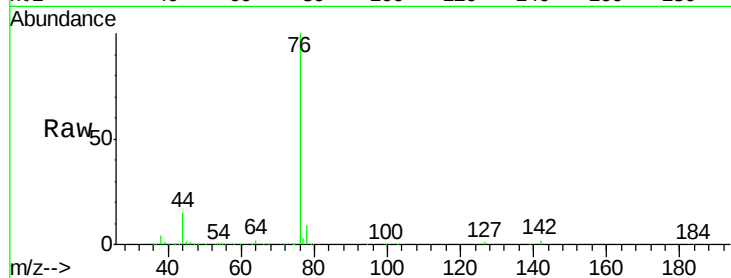
#17
Carbon Disulfide
Concen: 55.037 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

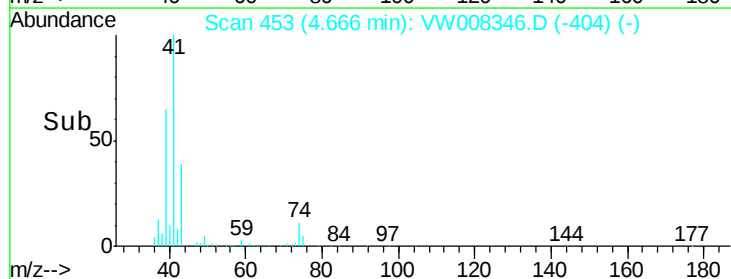
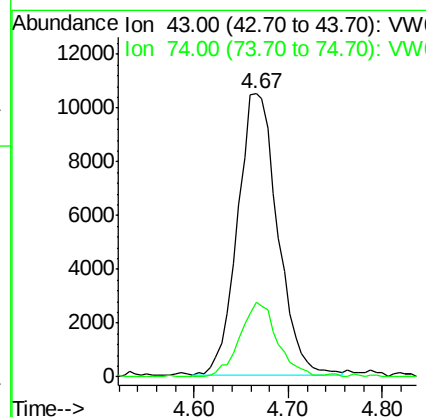
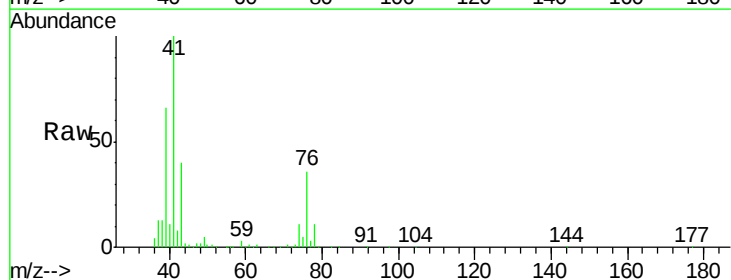
Manual Integrations
APPROVED

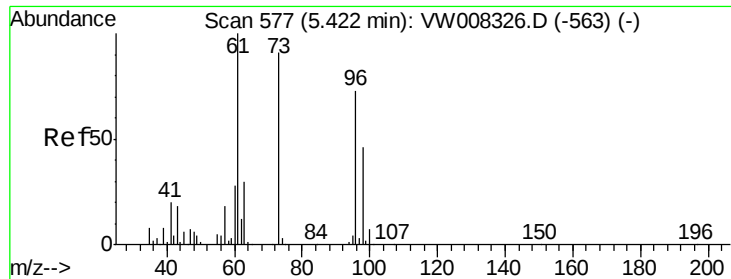
MMDadoda
1/18/2019 2:10:22 PM



#18
Methyl Acetate
Concen: 57.460 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.4	29.0





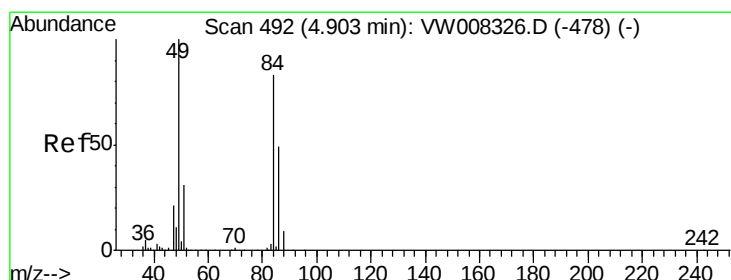
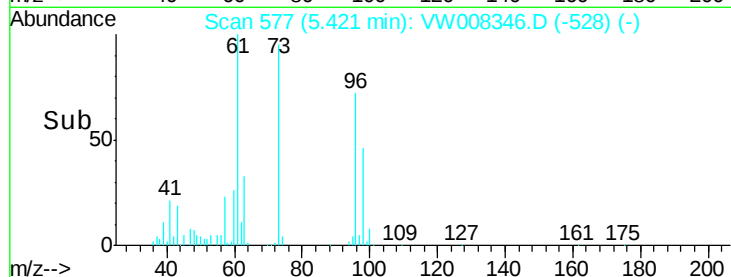
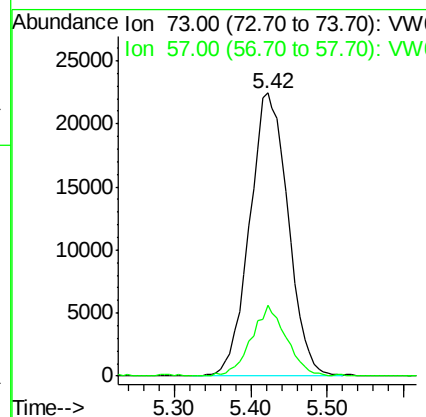
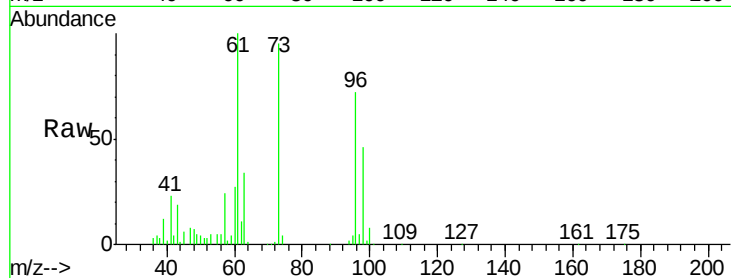
#19
Methvl tert-butvl Ether
Concen: 59.457 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 78357
Ion Ratio Lower Upper
73 100
57 24.7 16.3 24.5#

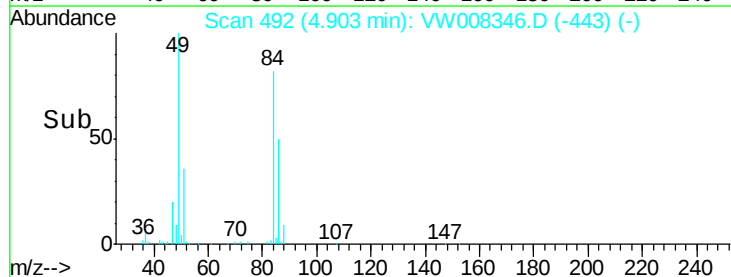
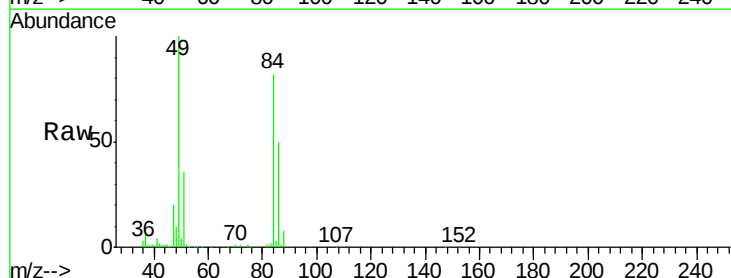
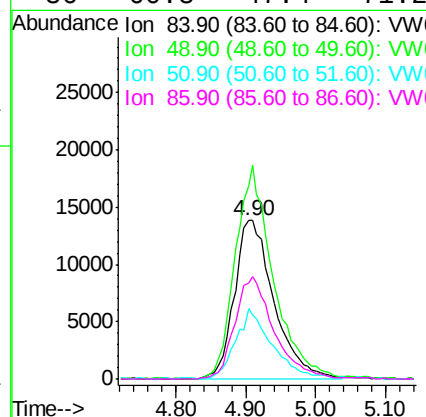
Manual Integrations
APPROVED

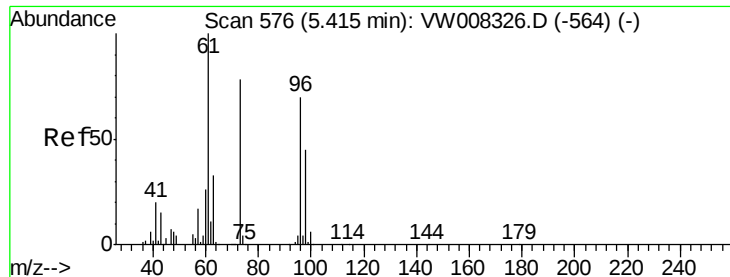
MMDadoda
1/18/2019 2:10:22 PM



#20
Methylene Chloride
Concen: 58.490 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion: 84 Resp: 54442
Ion Ratio Lower Upper
84 100
49 121.9 95.9 143.9
51 43.9 29.3 43.9#
86 60.8 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 57.188 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 55297

Ion Ratio Lower Upper

96 100

61 137.6 114.5 171.7

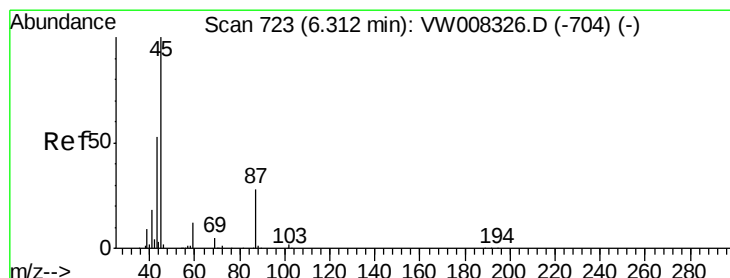
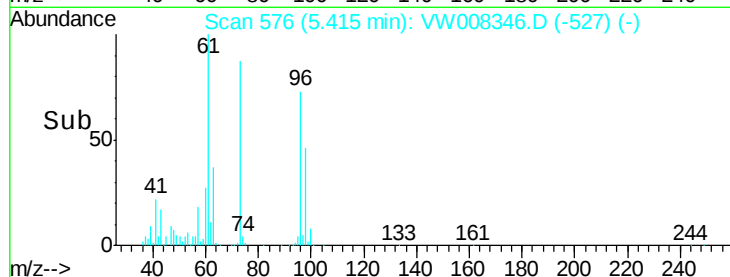
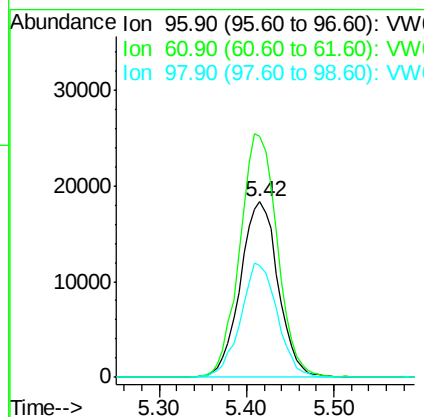
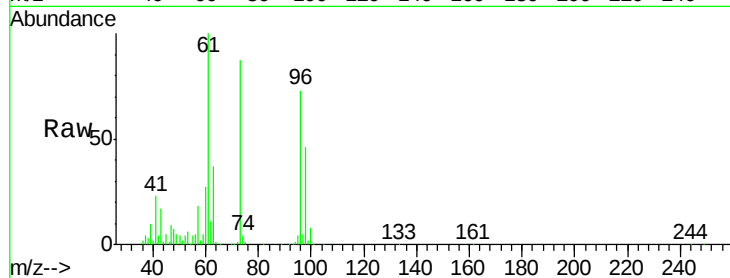
98 63.8 52.0 78.0

Manual Integrations

APPROVED

MMDadoda

1/18/2019 2:10:22 PM



#22

Diisopropyl ether

Concen: 61.608 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Tgt Ion: 45 Resp: 173111

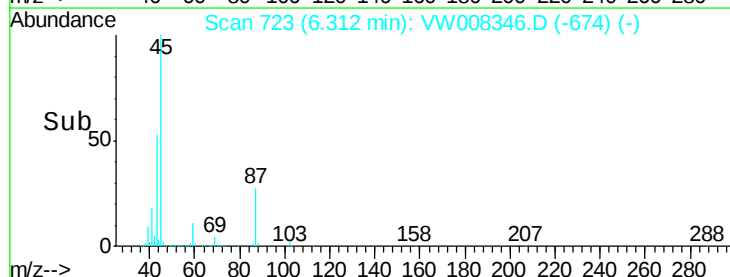
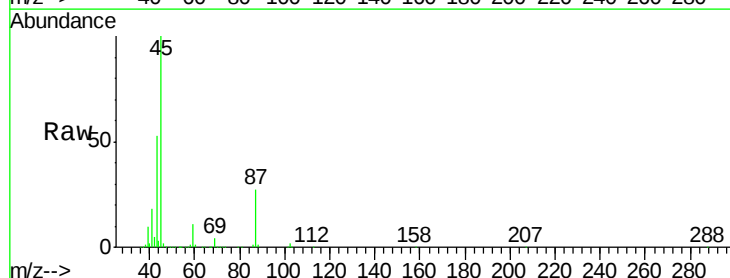
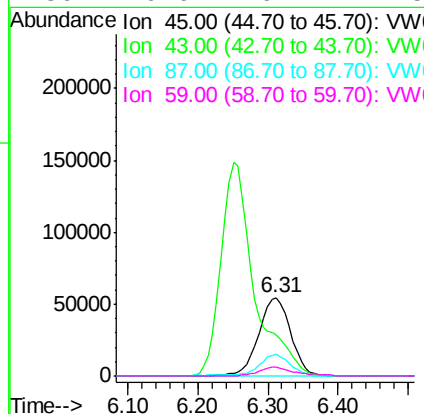
Ion Ratio Lower Upper

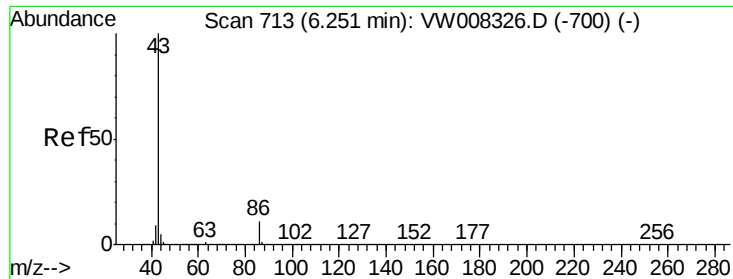
45 100

43 52.7 42.5 63.7

87 27.0 22.2 33.2

59 10.9 9.7 14.5





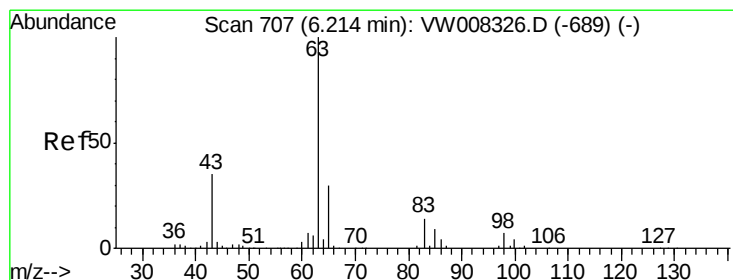
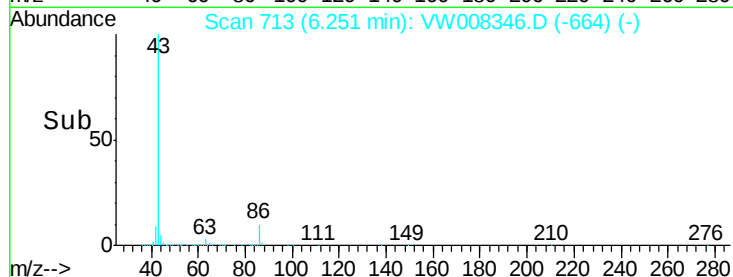
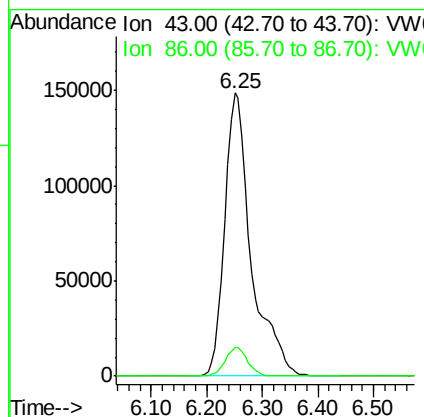
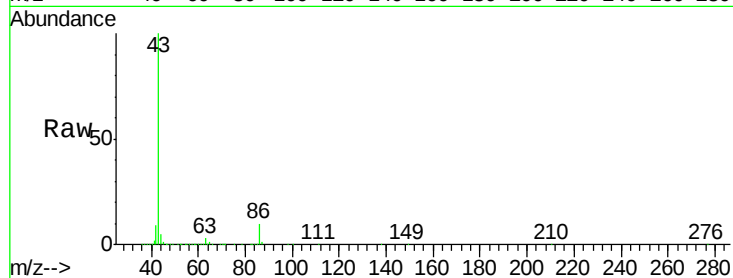
#23
 Vinyl Acetate
 Concen: 327.930 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.6	13.0

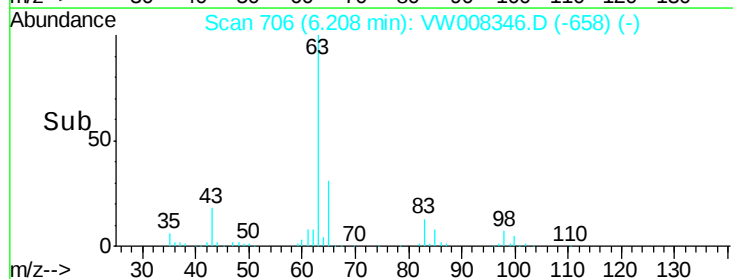
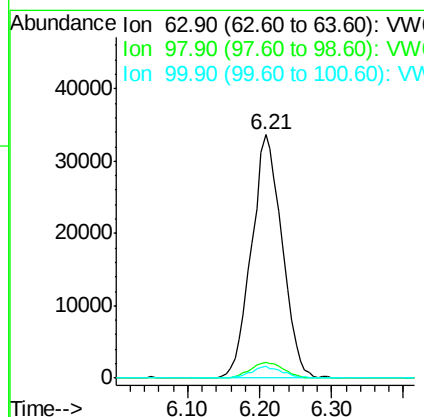
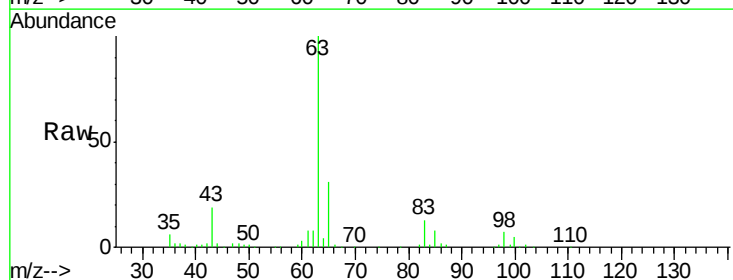
Manual Integrations
 APPROVED

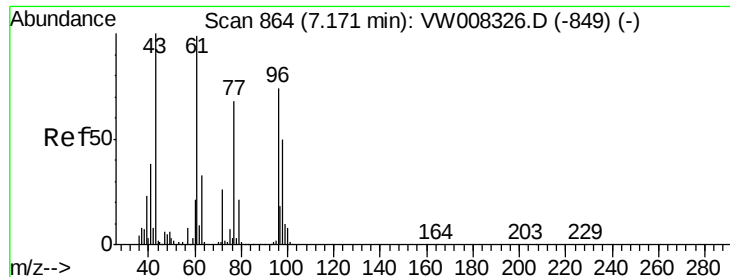
MMDadoda
 1/18/2019 2:10:22 PM



#24
 1,1-Dichloroethane
 Concen: 58.131 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.5	10.6
100	4.9	2.1	6.3





#25

2-Butanone

Concen: 318.464 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 82676

Ion Ratio Lower Upper

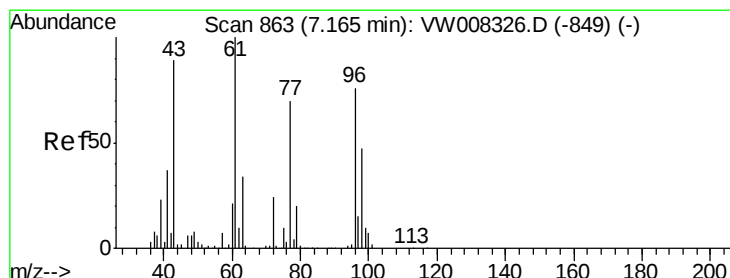
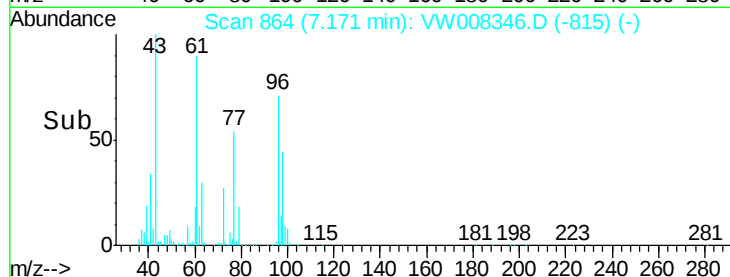
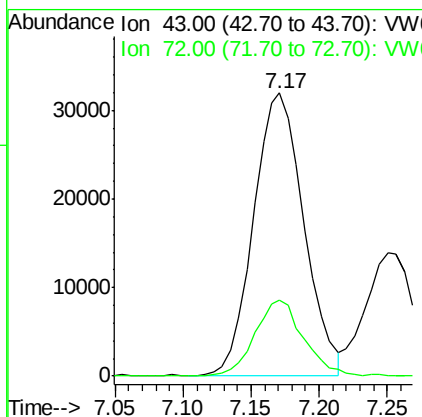
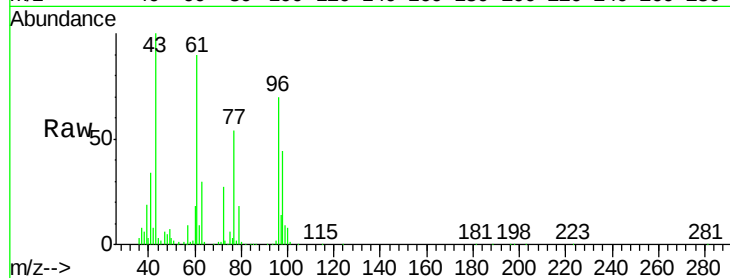
43 100

72 26.8 21.2 31.8

Manual Integrations
APPROVED

MMDadoda

1/18/2019 2:10:22 PM



#26

2,2-Dichloropropane

Concen: 49.548 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008346.D

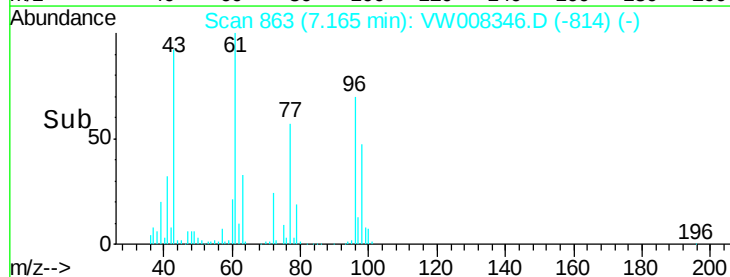
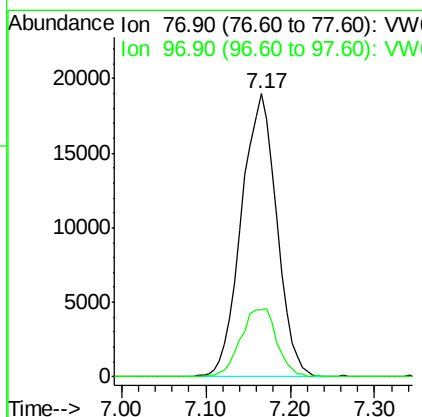
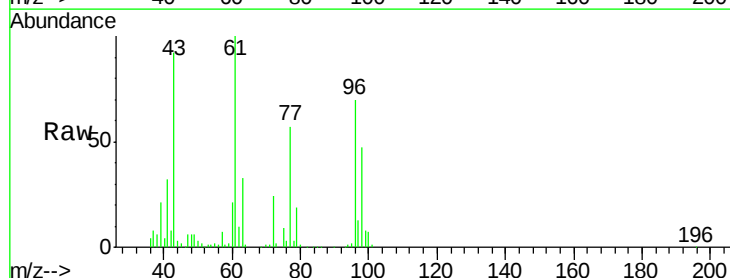
Acq: 17 Jan 2019 23:19

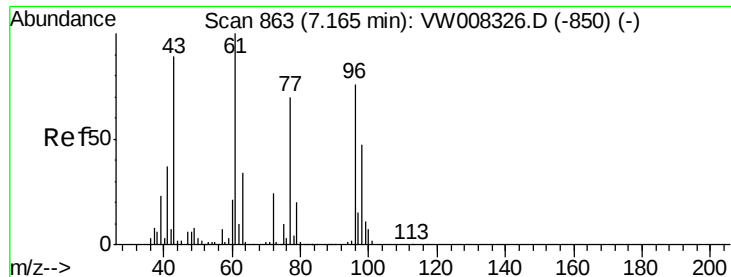
Tgt Ion: 77 Resp: 54097

Ion Ratio Lower Upper

77 100

97 24.6 11.7 35.1





#27

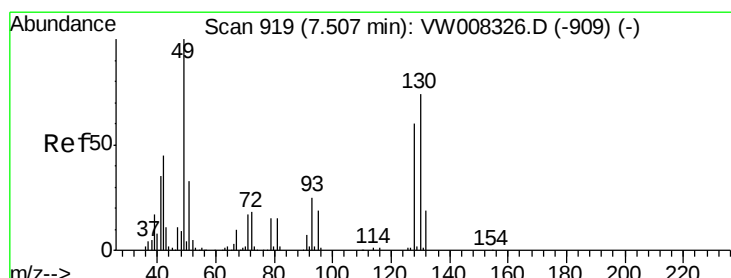
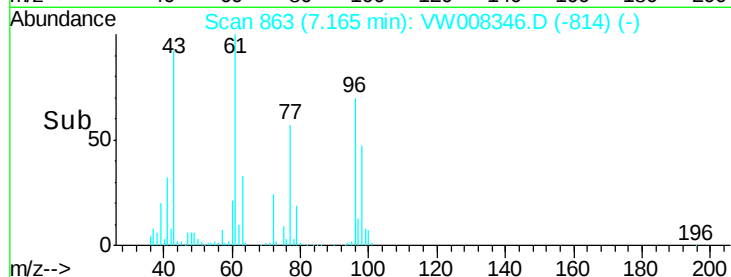
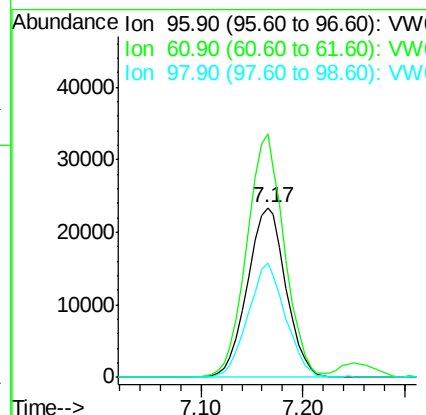
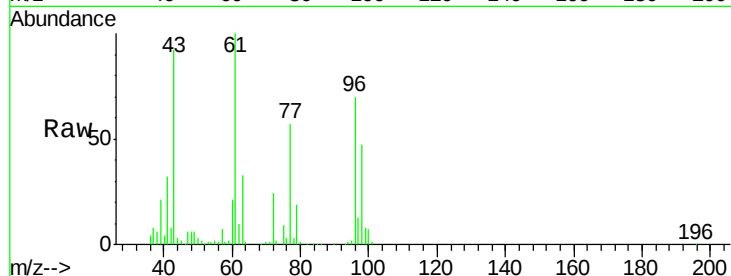
cis-1,2-Dichloroethene
Concen: 58.578 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	272.2
98	65.5	0.0	129.4

Manual Integrations
APPROVED

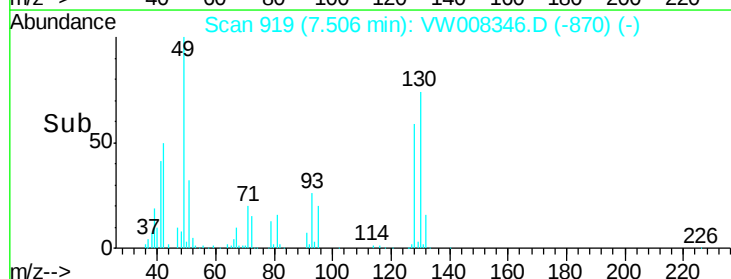
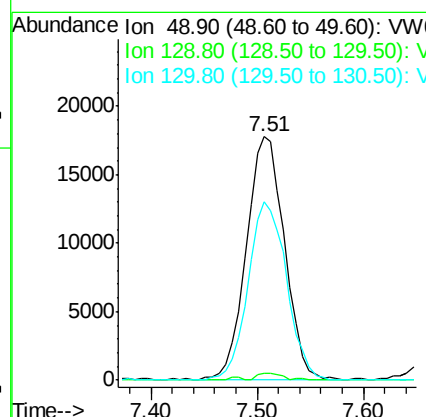
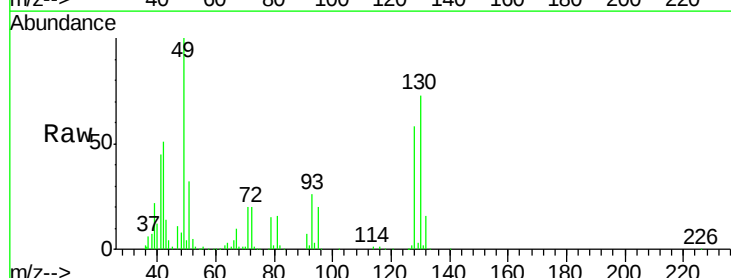
MMDadoda
1/18/2019 2:10:22 PM

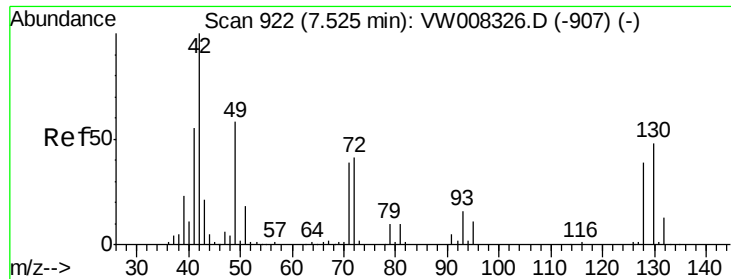


#28

Bromochloromethane
Concen: 63.609 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.6
130	73.6	0.0	0.0#





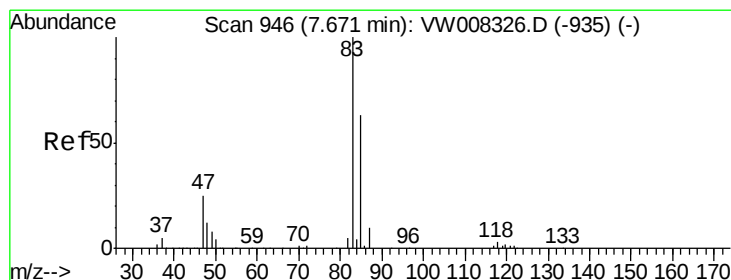
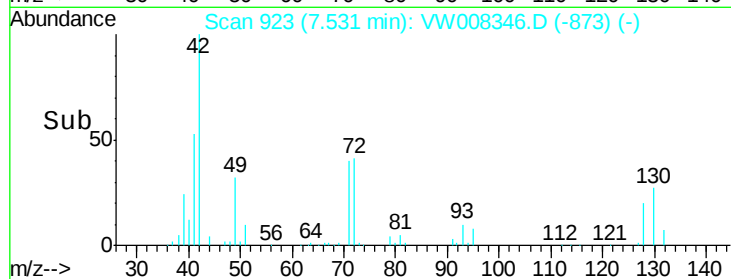
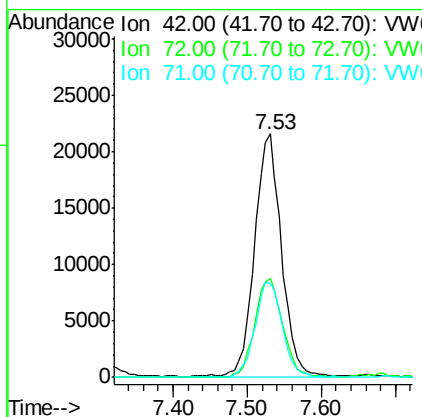
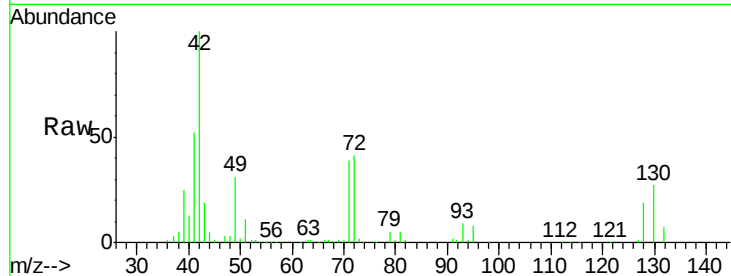
#29
Tetrahydrofuran
Concen: 336.817 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.0	51.0
71	40.0	32.0	48.0

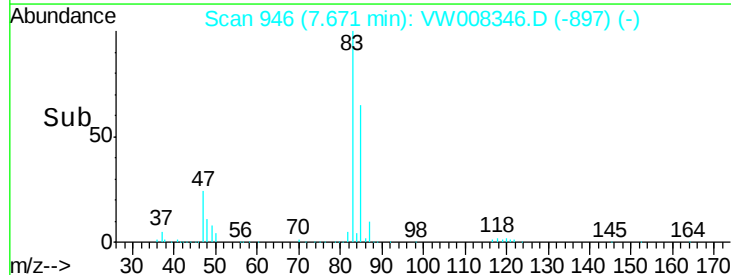
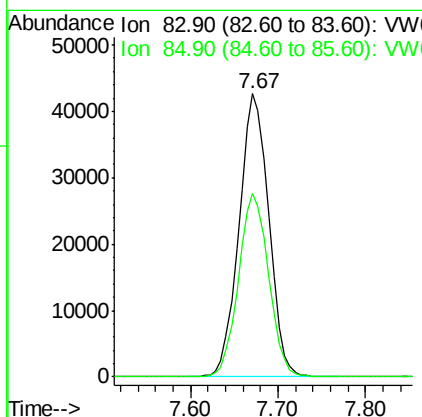
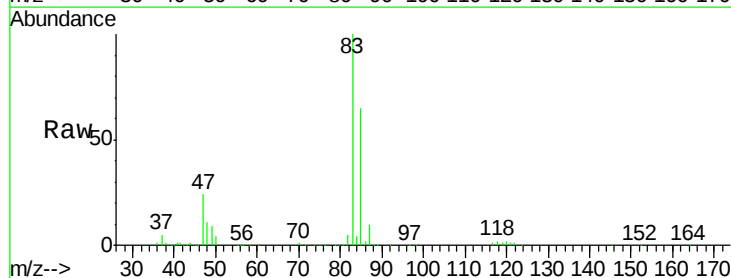
Manual Integrations
APPROVED

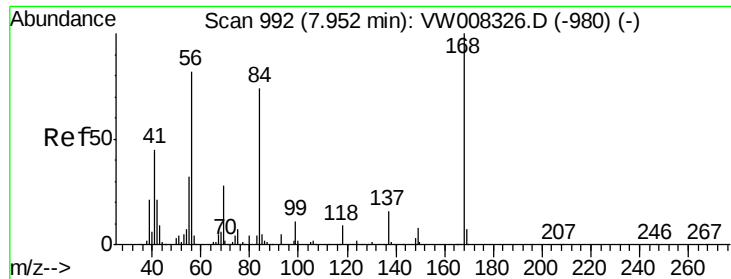
MMDadoda
1/18/2019 2:10:22 PM



#30
Chloroform
Concen: 59.316 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.2	75.2





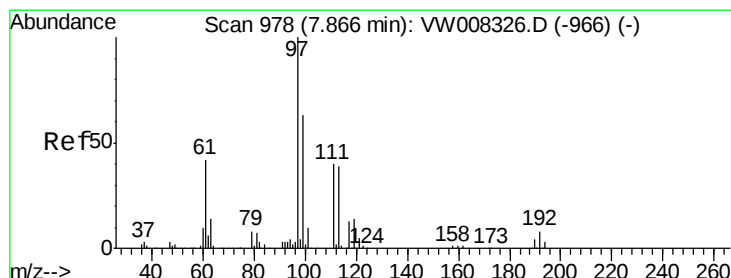
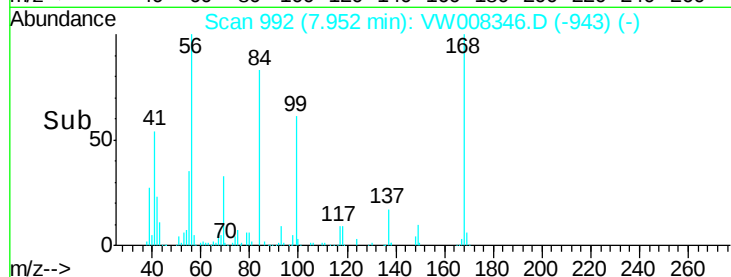
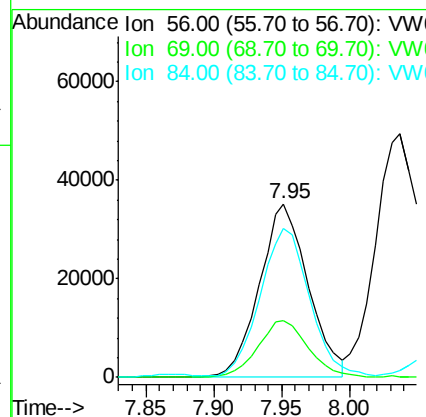
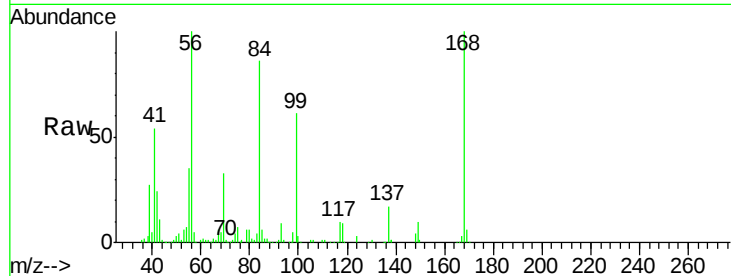
#31
Cyclohexane
Concen: 54.083 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.0	40.6
84	84.8	72.5	108.7

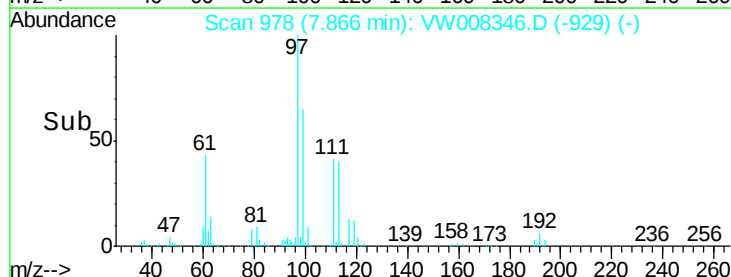
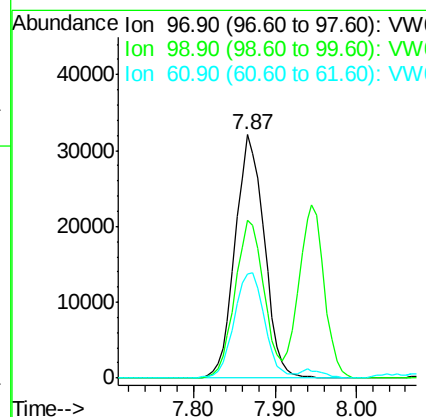
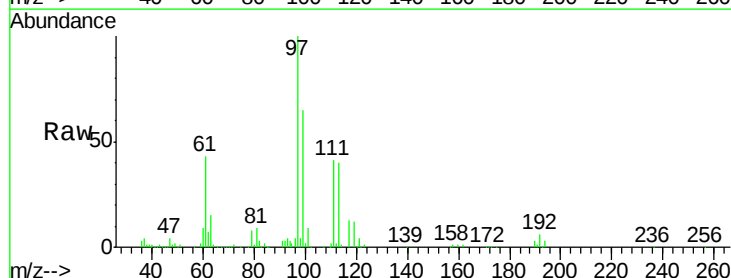
Manual Integrations
APPROVED

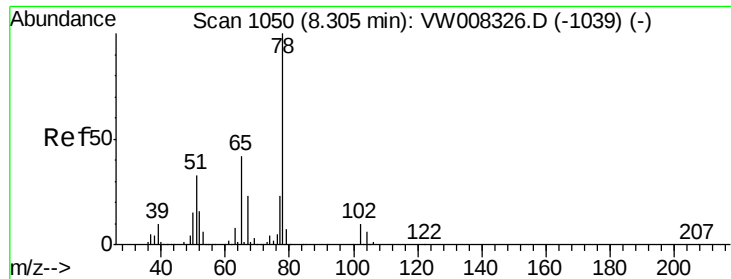
MMDadoda
1/18/2019 2:10:22 PM



#32
1,1,1-Trichloroethane
Concen: 55.590 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.1	76.7
61	45.2	34.0	51.0





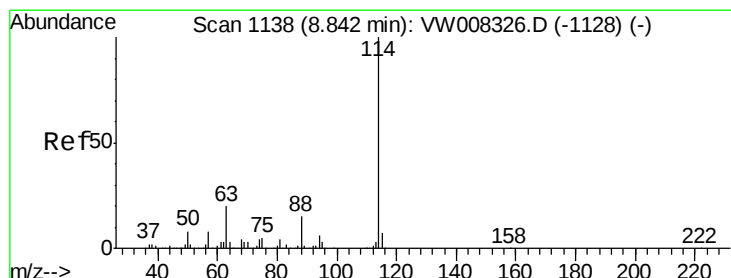
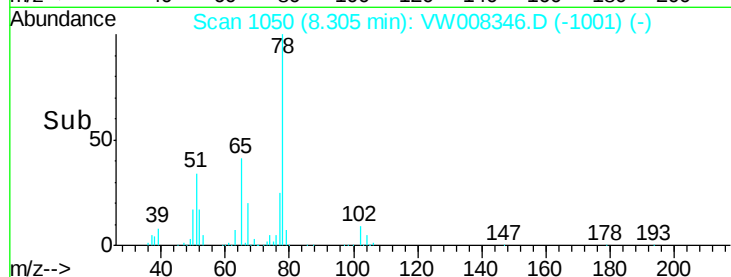
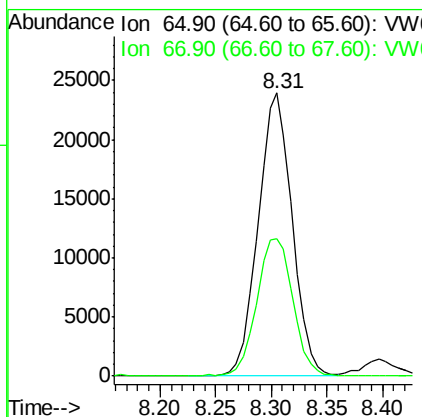
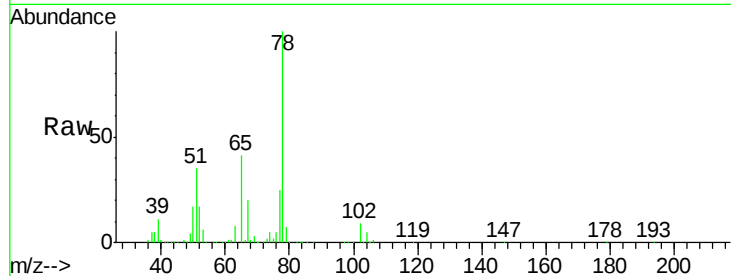
#33
 1,2-Dichloroethane-d4
 Concen: 58.351 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	50928		
67	51.9	0.0	106.2	

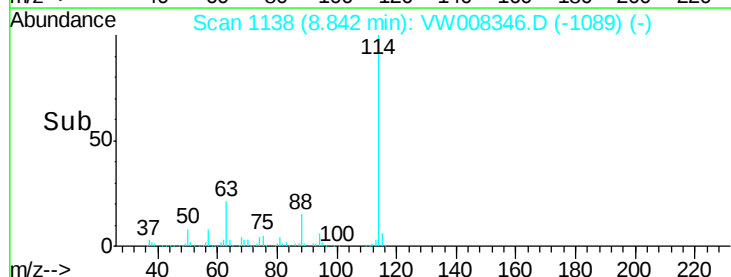
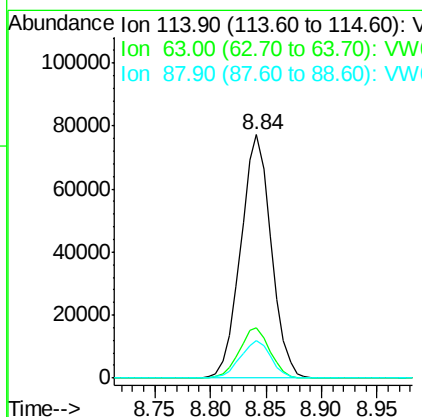
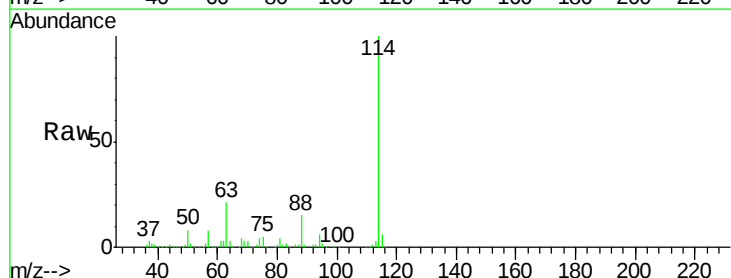
Manual Integrations
 APPROVED

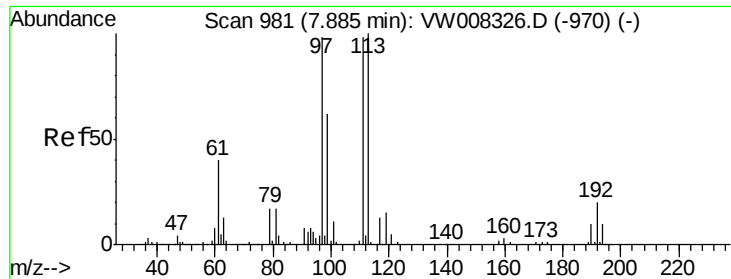
MMDadoda
 1/18/2019 2:10:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	146754		
63	20.6	0.0	40.8	
88	15.3	0.0	30.4	





#35

Dibromofluoromethane

Concen: 52.484 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

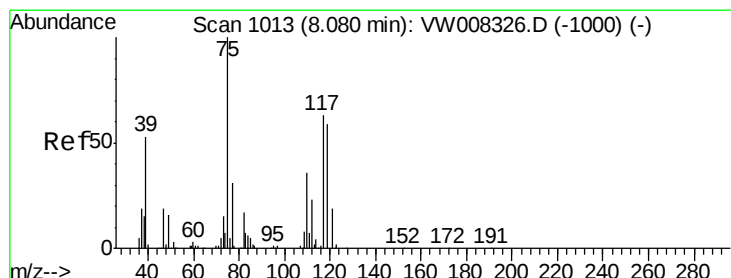
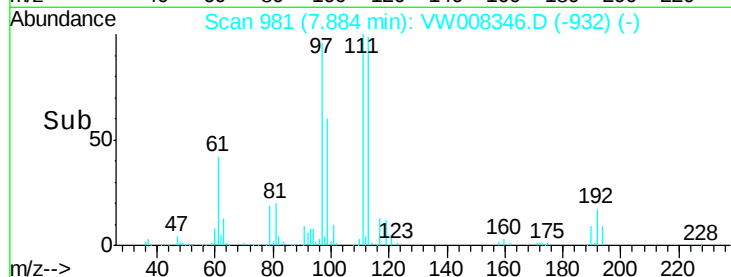
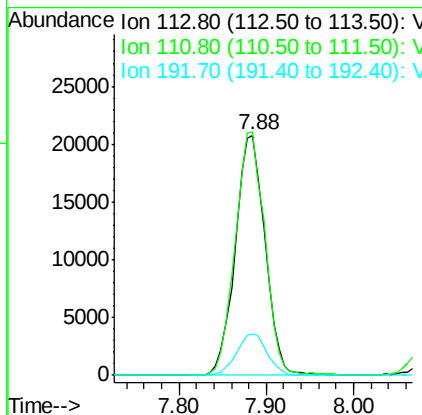
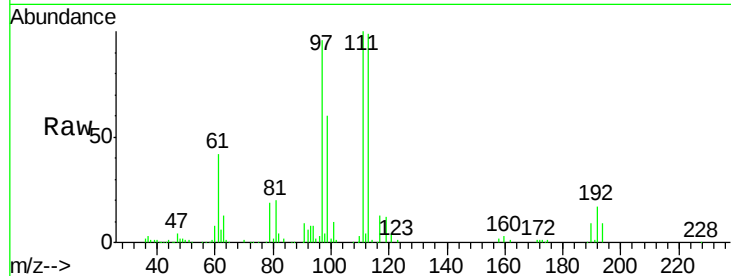
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	49166
Ion	Ratio	Lower	Upper
113	100		
111	100.6	81.8	122.8
192	17.7	16.3	24.5

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM



#36

1,1-Dichloropropene

Concen: 53.860 ug/l

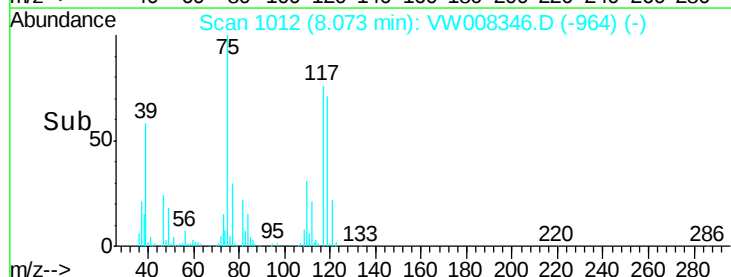
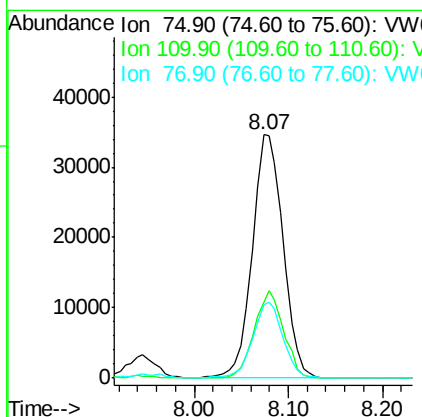
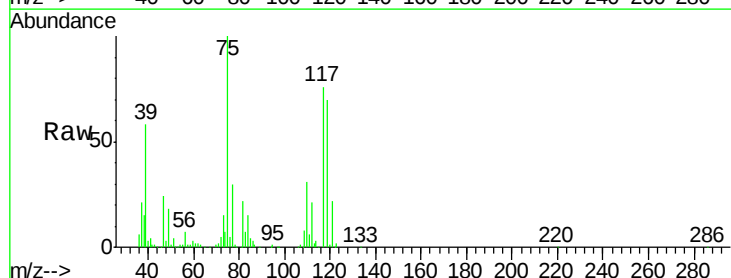
RT: 8.07 min Scan# 1012

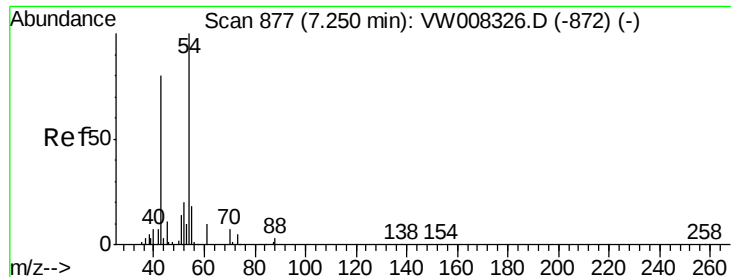
Delta R.T. -0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Tgt Ion:	75	Resp:	79523
Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.5	52.6
77	30.8	25.0	37.6





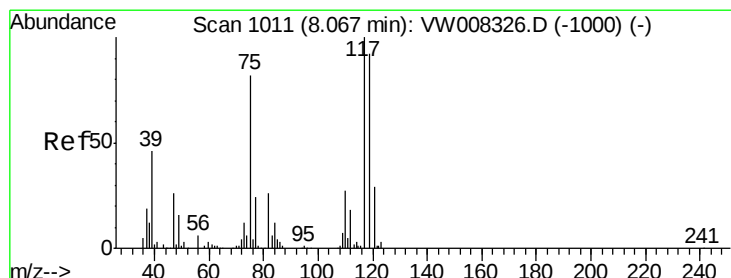
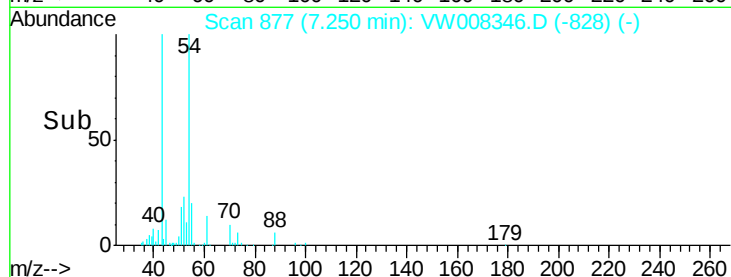
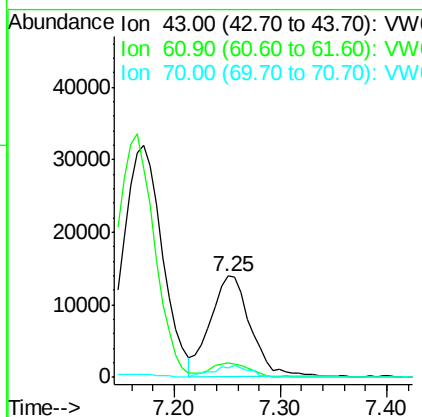
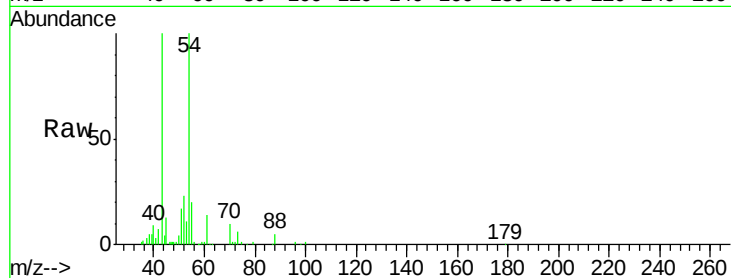
#37
Ethyl Acetate
Concen: 59.821 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.5	17.3
70	11.1	8.8	13.2

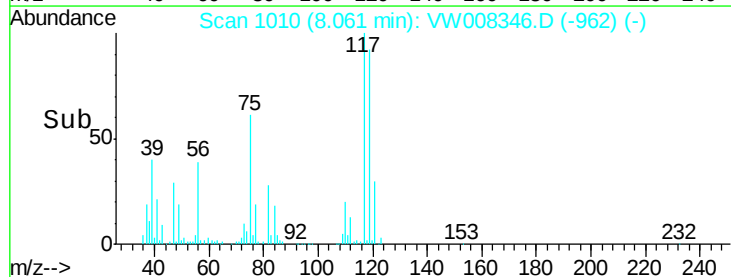
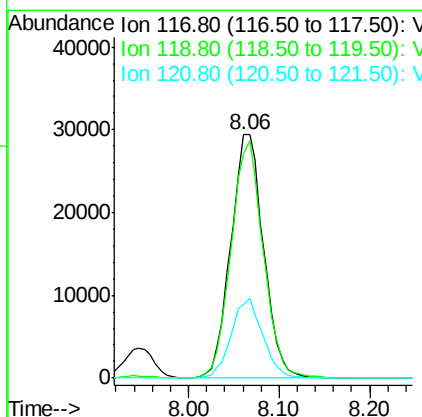
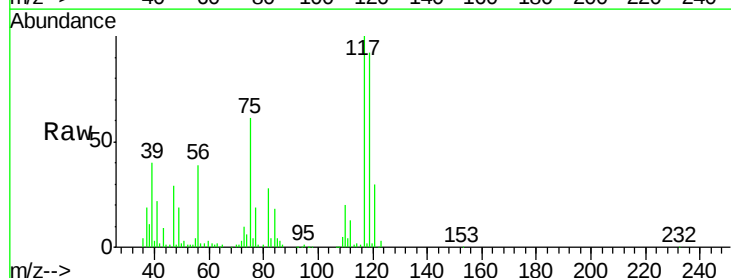
Manual Integrations
APPROVED

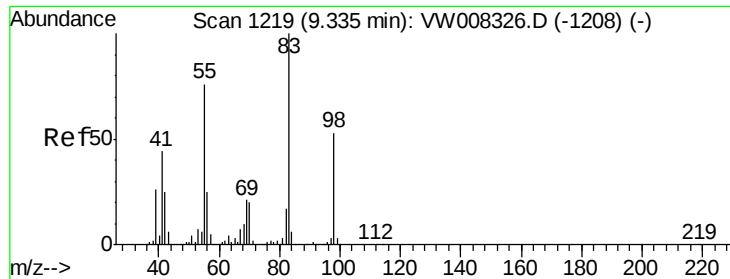
MMDadoda
1/18/2019 2:10:22 PM



#38
Carbon Tetrachloride
Concen: 50.598 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	73.8	110.6
121	30.2	23.4	35.0





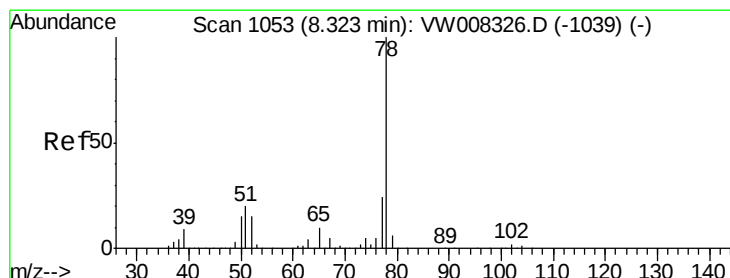
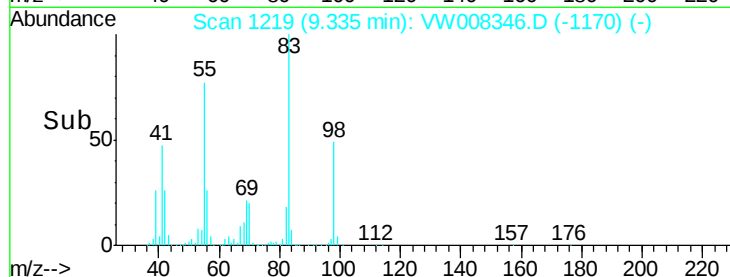
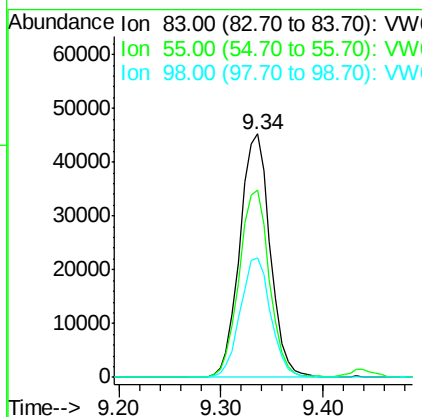
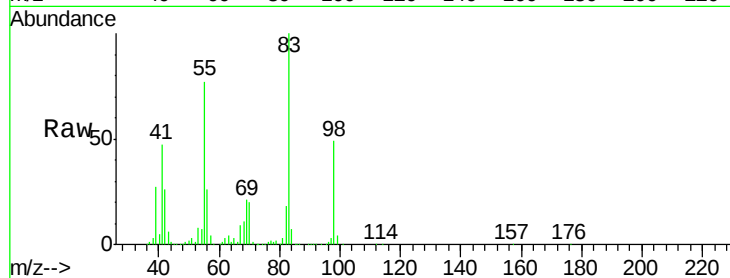
#39
Methvlcvclohexane
Concen: 53.398 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	61.1	91.7
98	48.9	42.5	63.7

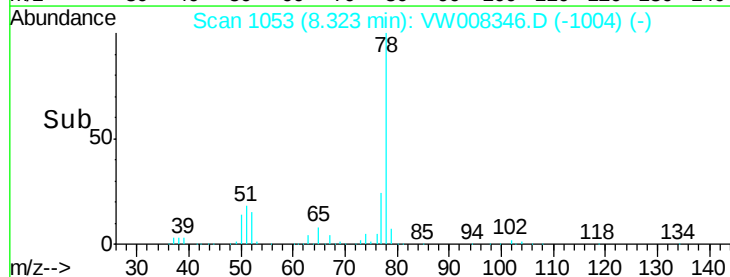
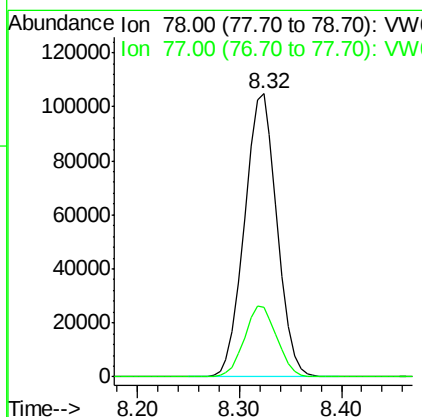
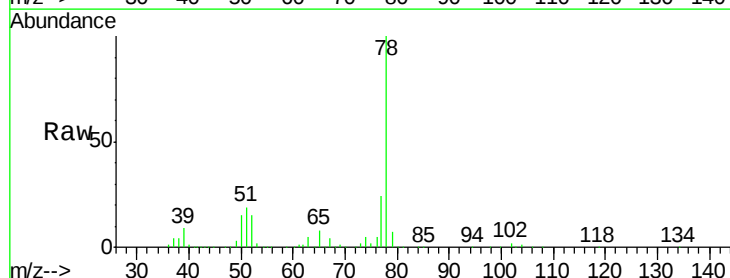
Manual Integrations
APPROVED

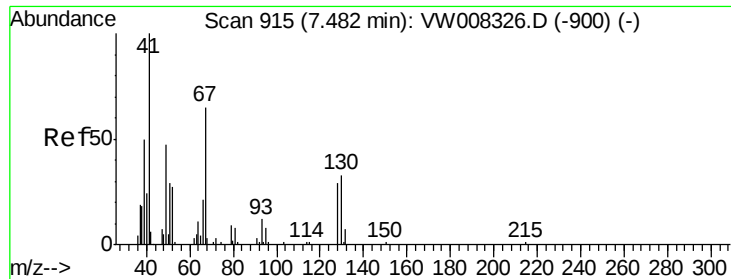
MMDadoda
1/18/2019 2:10:22 PM



#40
Benzene
Concen: 55.601 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





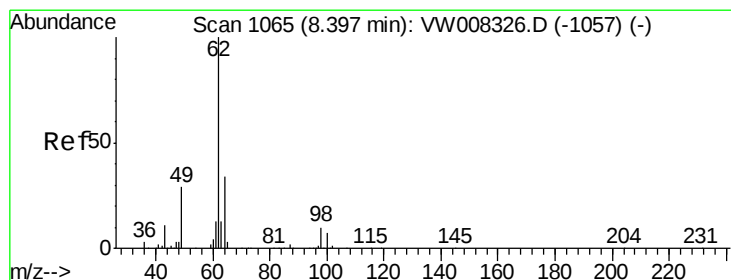
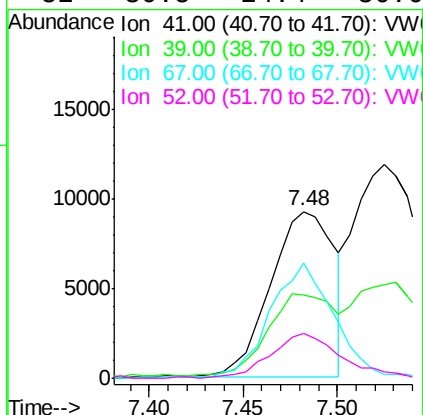
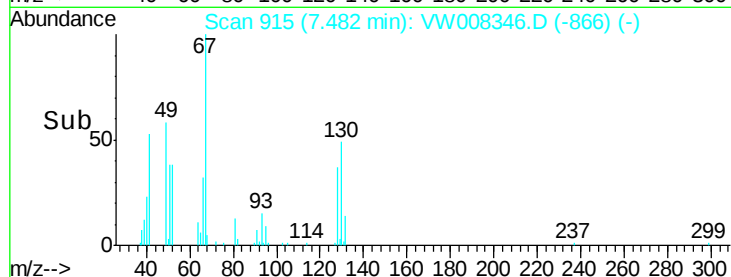
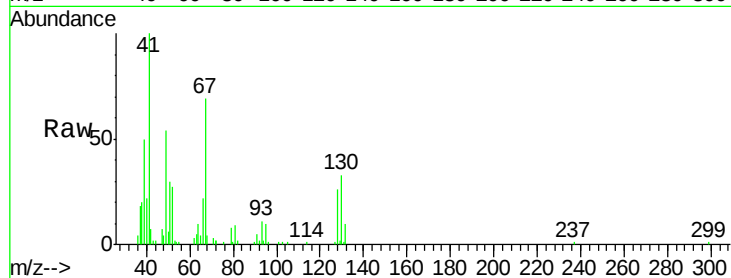
#41
Methacrylonitrile
Concen: 60.845 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.9	44.9	67.3
67	70.4	56.9	85.3
52	30.5	24.4	36.6

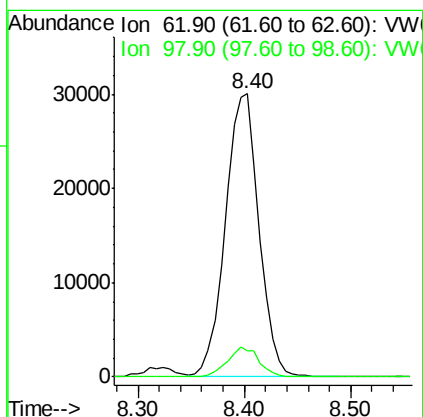
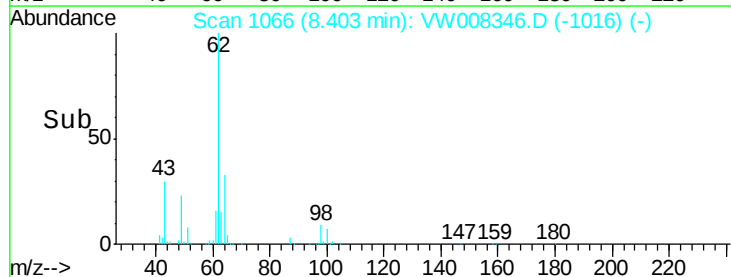
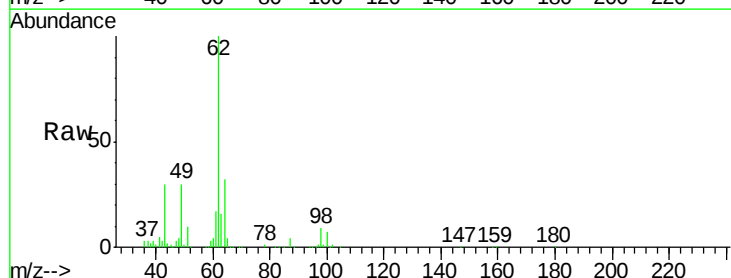
Manual Integrations
APPROVED

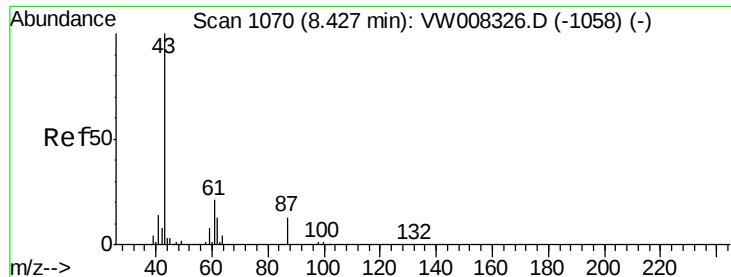
MMDadoda
1/18/2019 2:10:22 PM



#42
1,2-Dichloroethane
Concen: 56.625 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.0





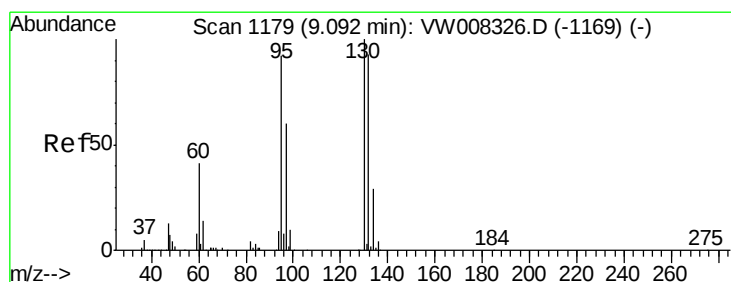
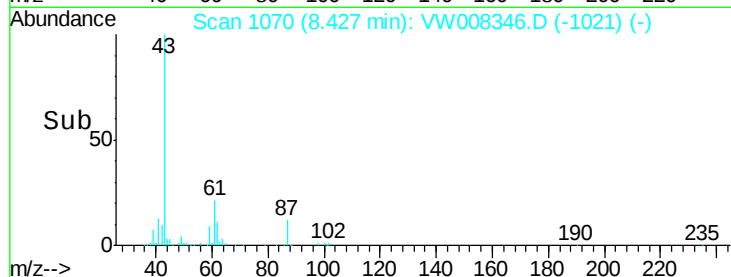
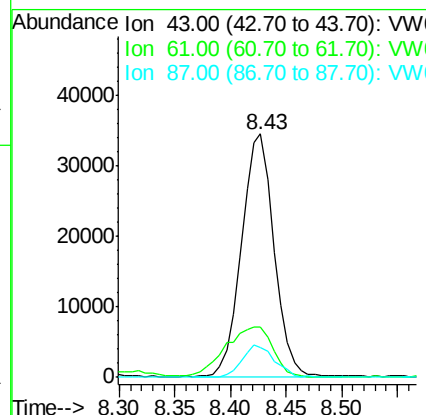
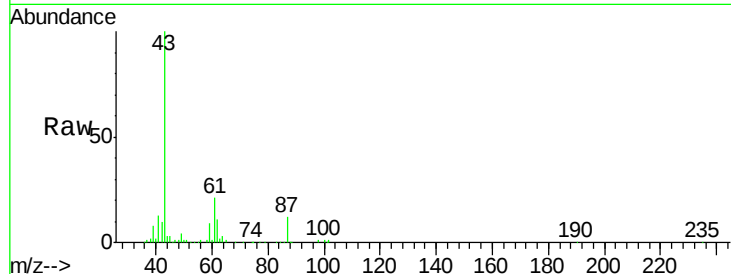
#43
Isopropyl Acetate
Concen: 60.652 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.8	37.2
87	13.5	10.7	16.1

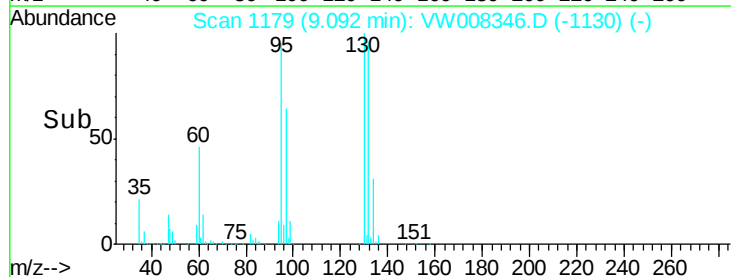
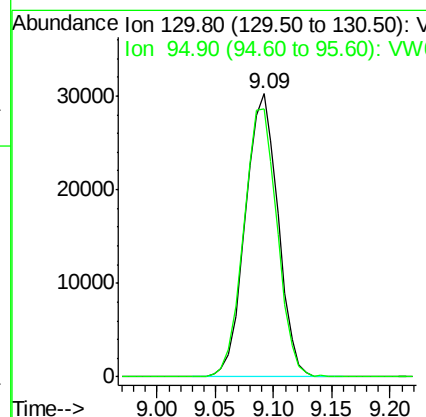
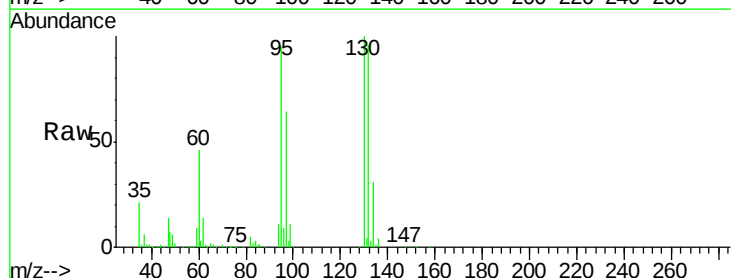
Manual Integrations
APPROVED

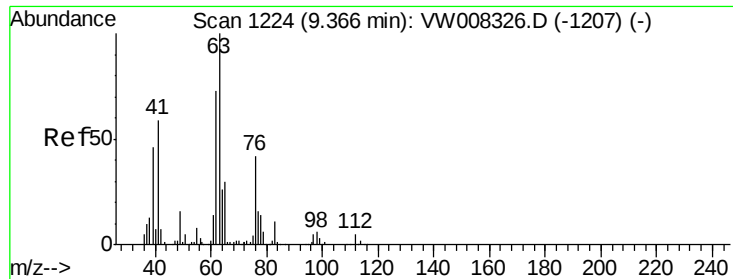
MMDadoda
1/18/2019 2:10:22 PM



#44
Trichloroethene
Concen: 51.920 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	184.8





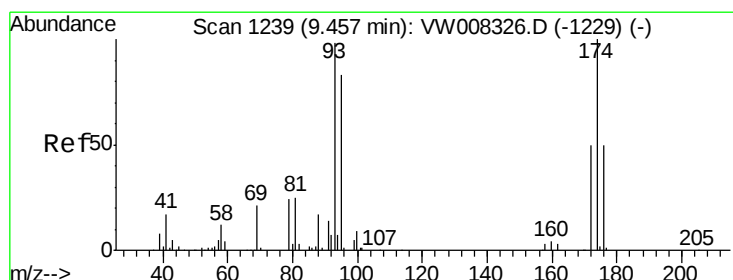
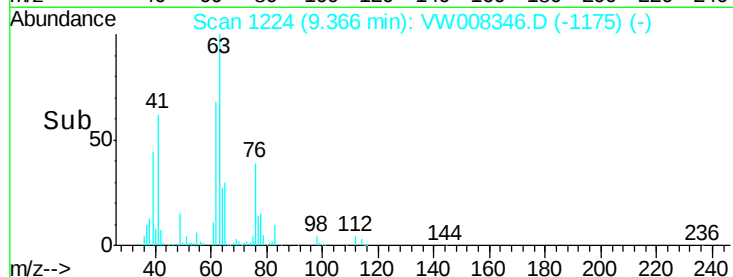
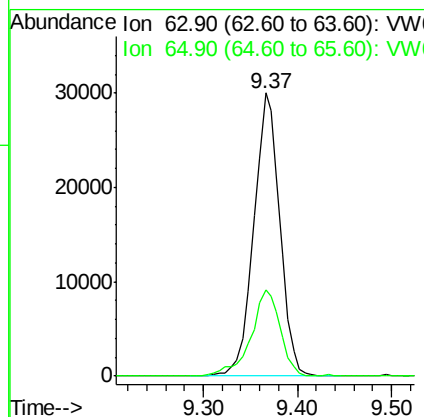
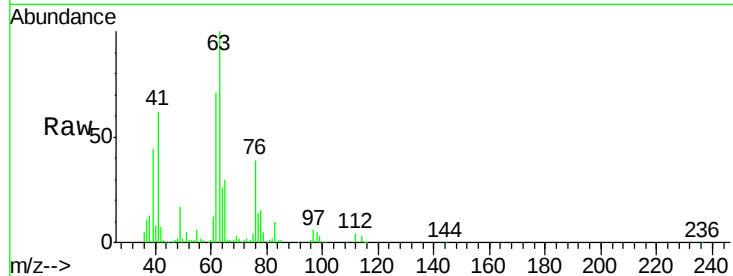
#45
 1,2-Dichloropropane
 Concen: 56.057 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.9	35.9

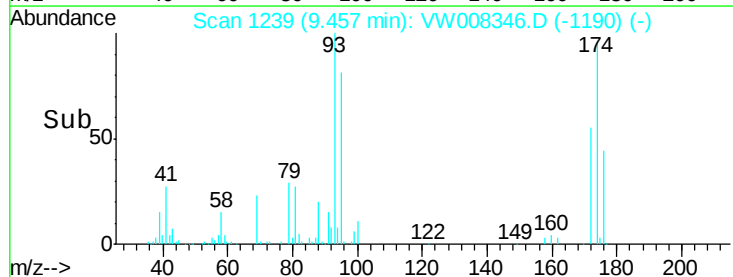
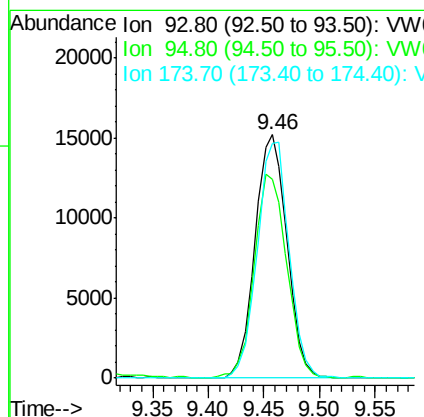
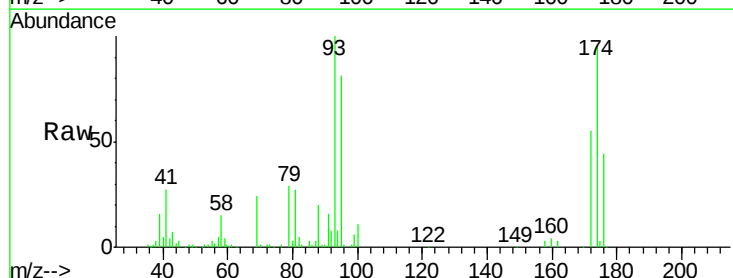
Manual Integrations
 APPROVED

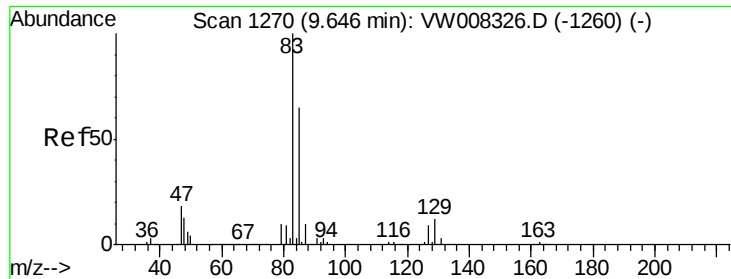
MMDadoda
 1/18/2019 2:10:22 PM



#46
 Dibromomethane
 Concen: 56.373 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	67.8	101.8
174	96.5	84.4	126.6





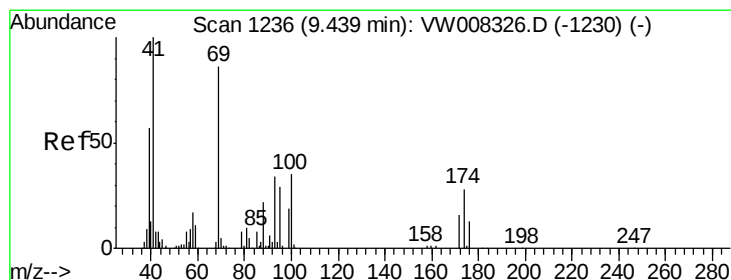
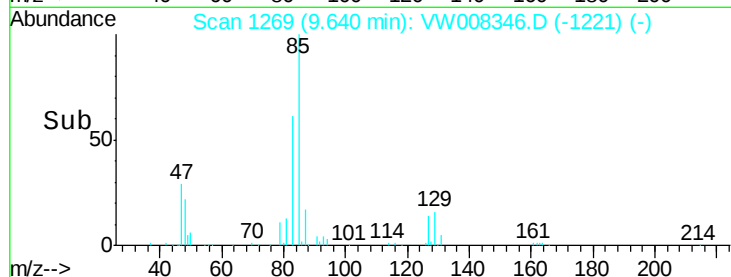
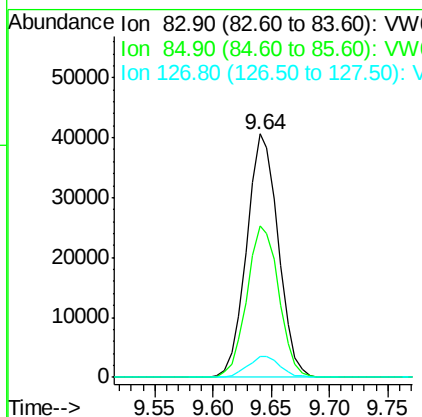
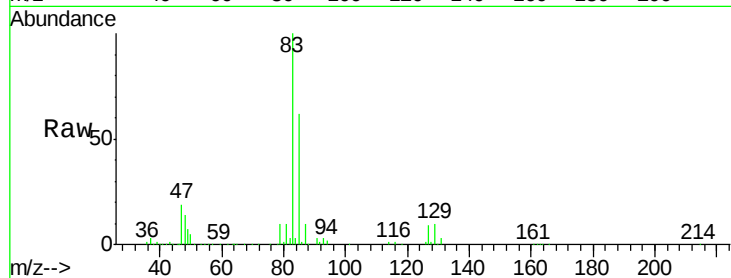
#47
Bromodichloromethane
Concen: 57.650 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.6	77.4
127	8.8	6.8	10.2

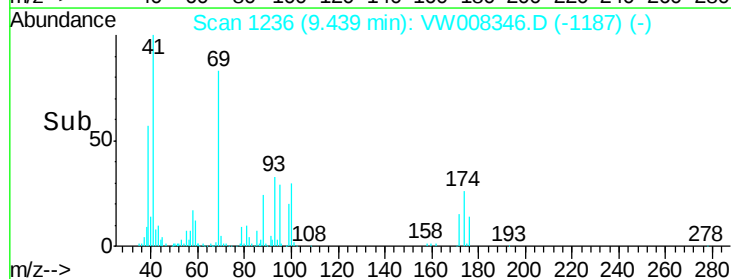
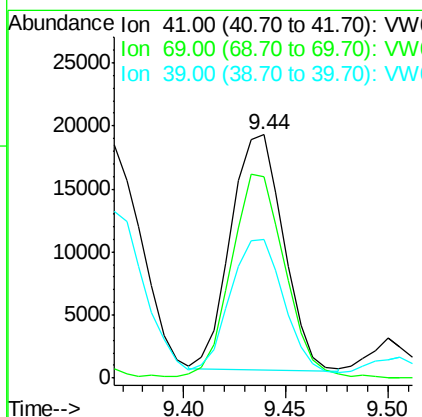
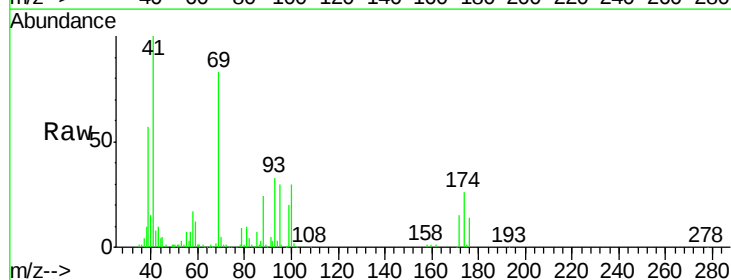
Manual Integrations
APPROVED

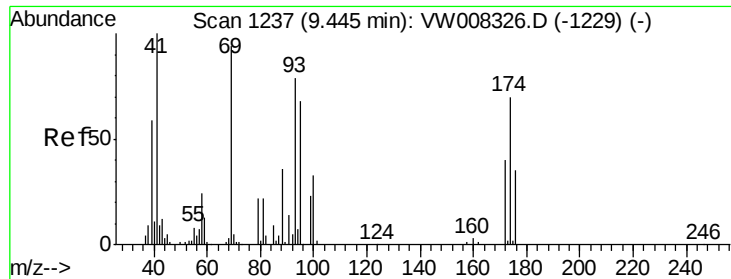
MMDadoda
1/18/2019 2:10:22 PM



#48
Methyl methacrylate
Concen: 61.891 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.4	68.2	102.4
39	60.9	46.0	69.0





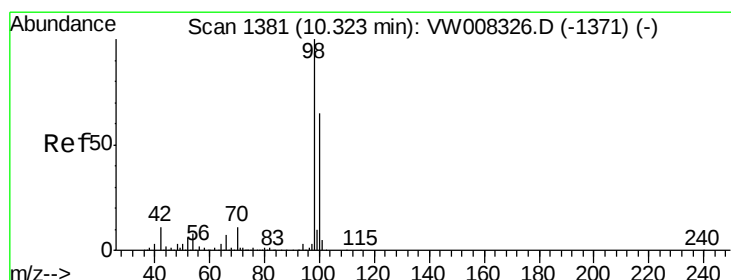
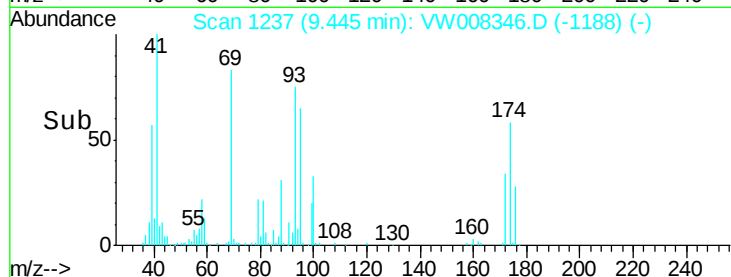
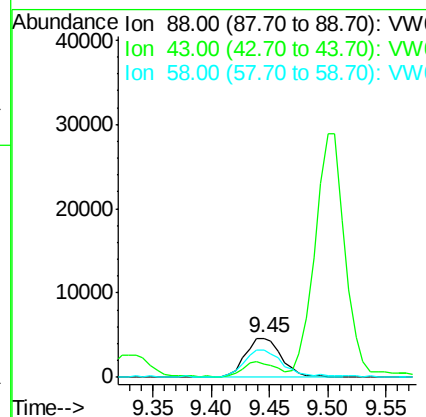
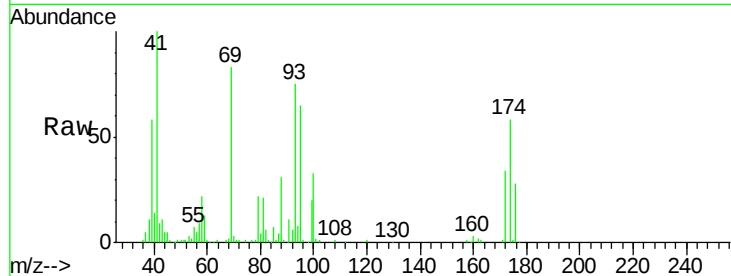
#49
1,4-Dioxane
Concen: 1161.823 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.1	40.7
58	77.8	57.9	86.9

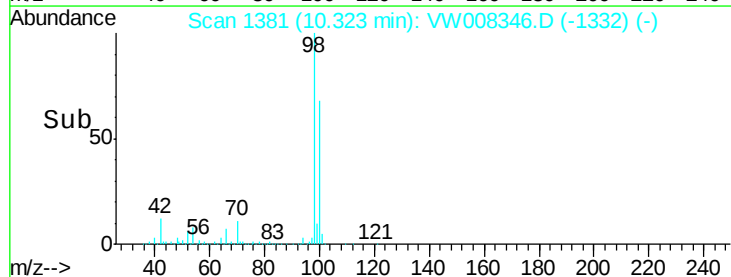
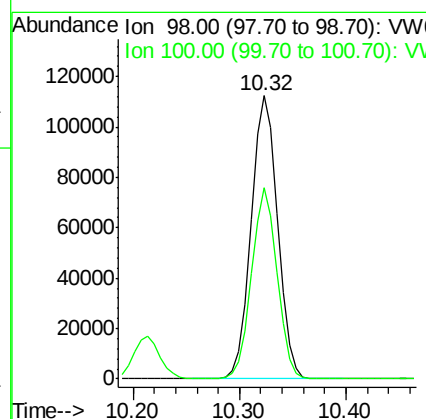
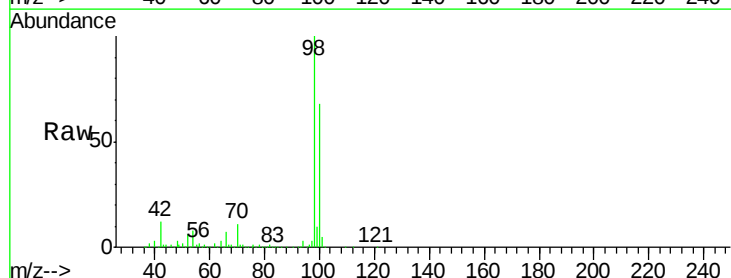
Manual Integrations
APPROVED

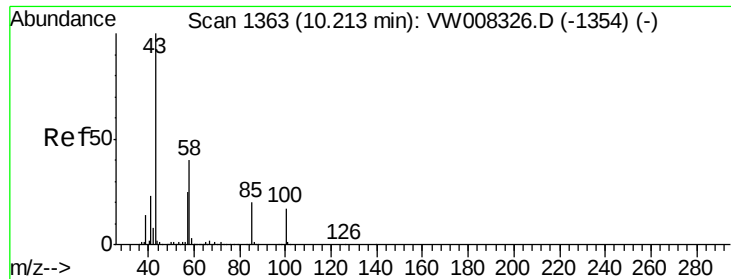
MMDadoda
1/18/2019 2:10:22 PM



#50
Toluene-d8
Concen: 53.365 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 323.160 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 188195

Ion Ratio Lower Upper

43 100

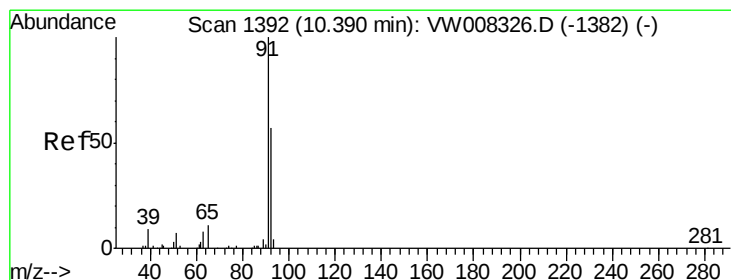
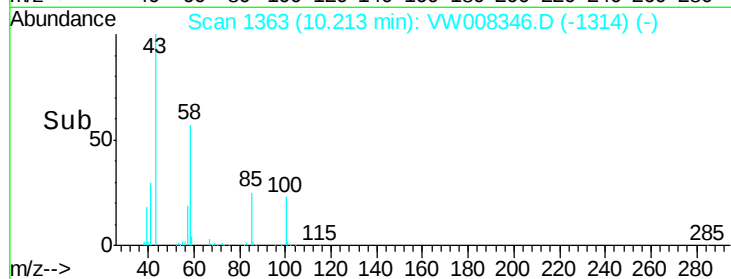
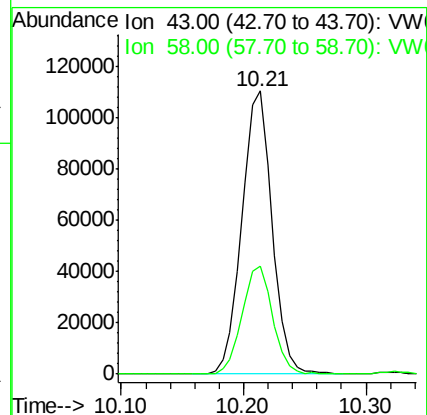
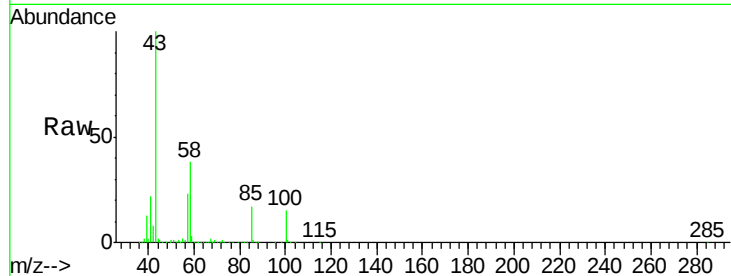
58 38.6 31.4 47.0

Manual Integrations

APPROVED

MMDadoda

1/18/2019 2:10:22 PM



#52

Toluene

Concen: 56.978 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008346.D

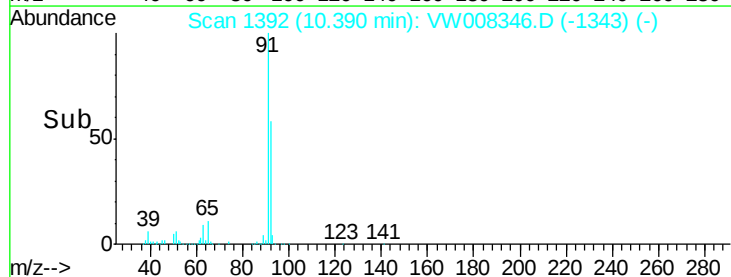
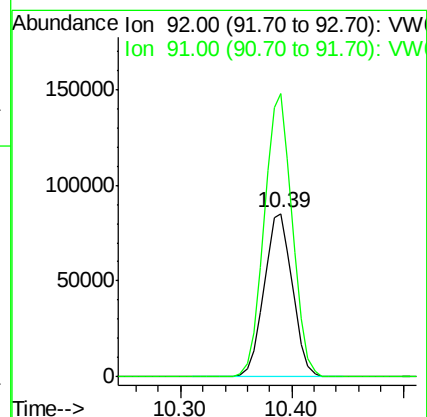
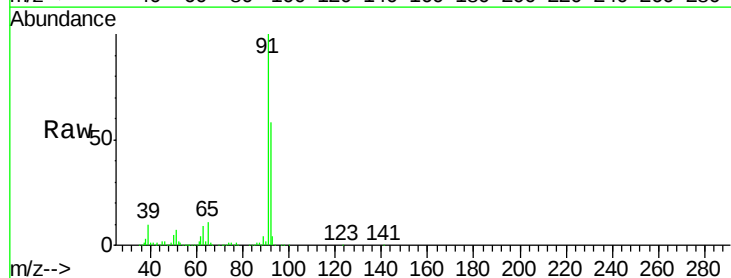
Acq: 17 Jan 2019 23:19

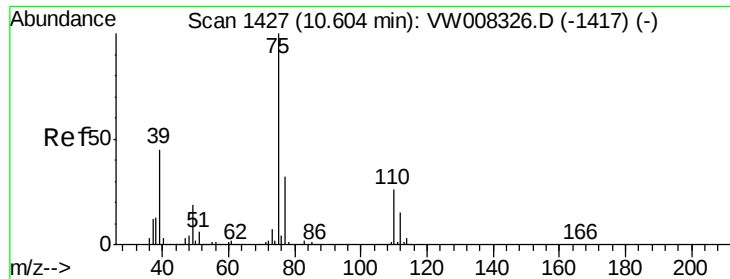
Tgt Ion: 92 Resp: 150807

Ion Ratio Lower Upper

92 100

91 171.6 140.2 210.2





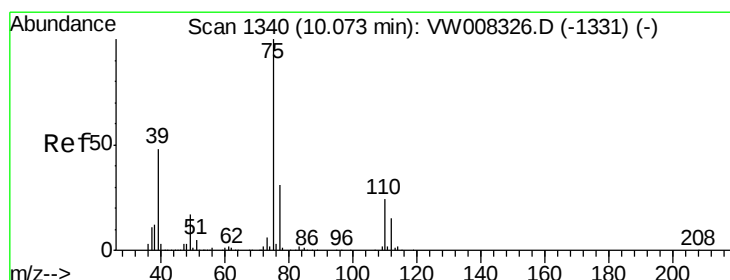
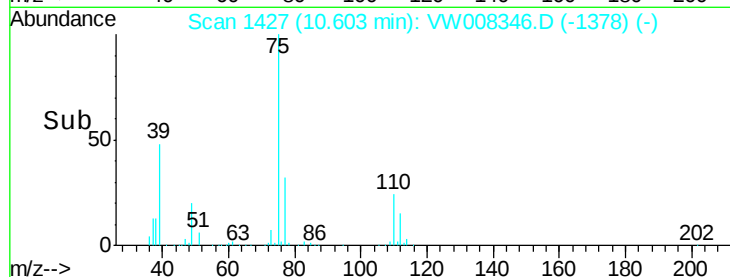
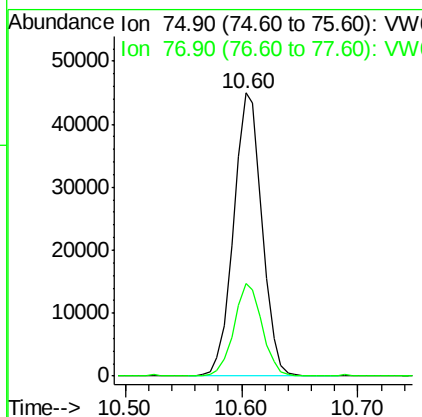
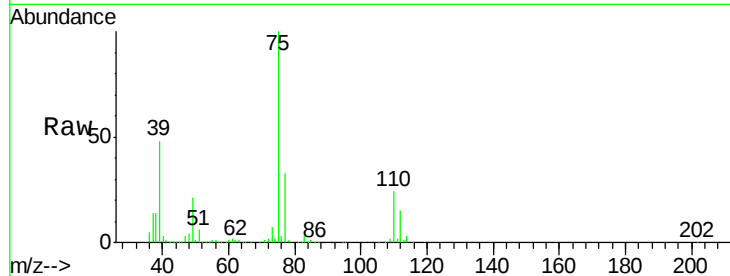
#53
t-1,3-Dichloropropene
Concen: 57.130 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.8	38.8

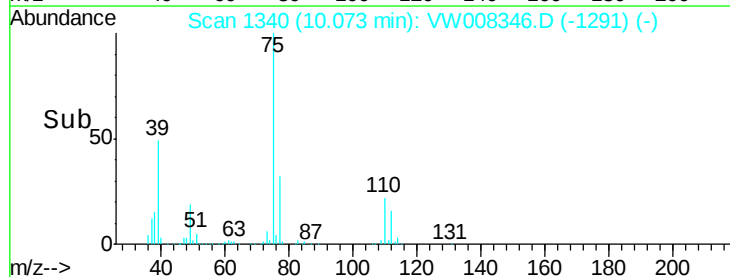
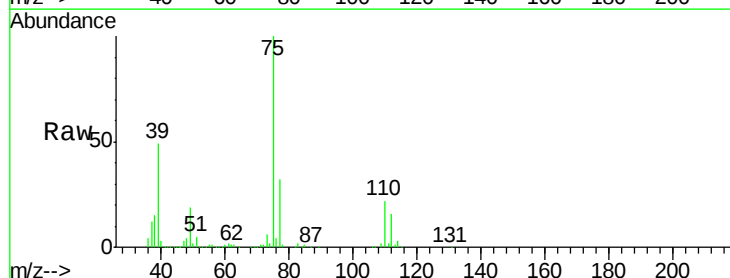
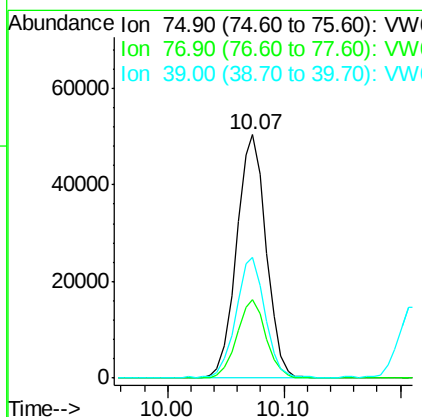
Manual Integrations
APPROVED

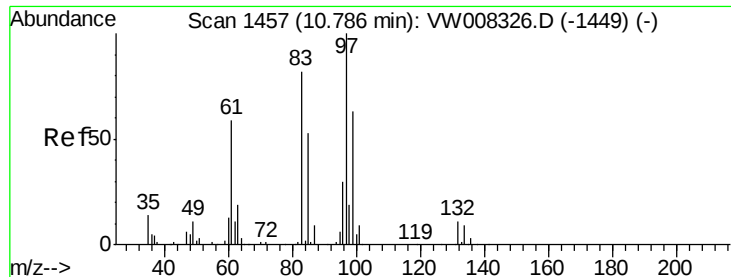
MMDadoda
1/18/2019 2:10:22 PM



#54
cis-1,3-Dichloropropene
Concen: 56.690 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.4	36.6
39	49.1	38.6	57.8





#55

1,1,2-Trichloroethane

Concen: 58.919 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

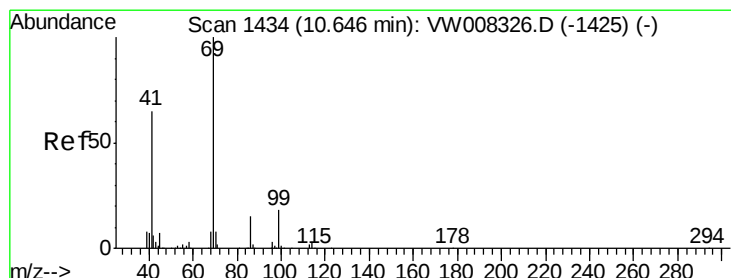
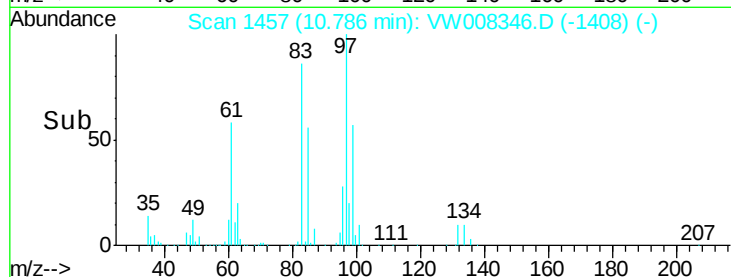
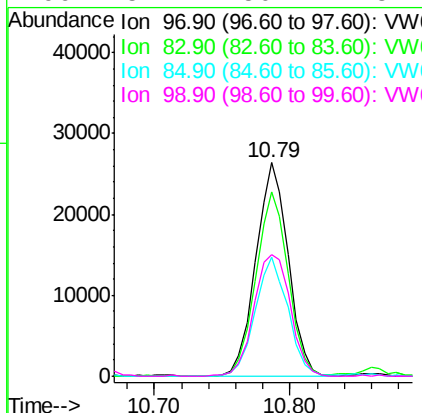
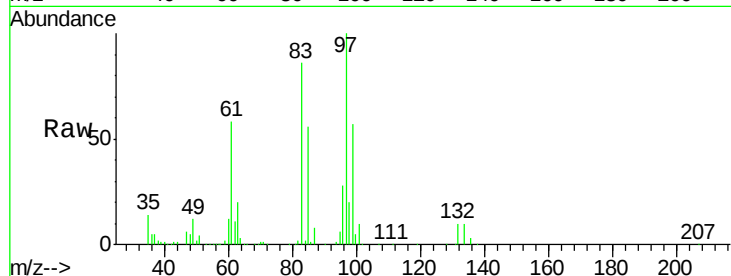
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	44249
Ion	Ratio	Lower	Upper
97	100		
83	86.3	65.3	97.9
85	55.5	42.6	64.0
99	57.2	50.2	75.2

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM



#56

Ethyl methacrylate

Concen: 62.983 ug/l

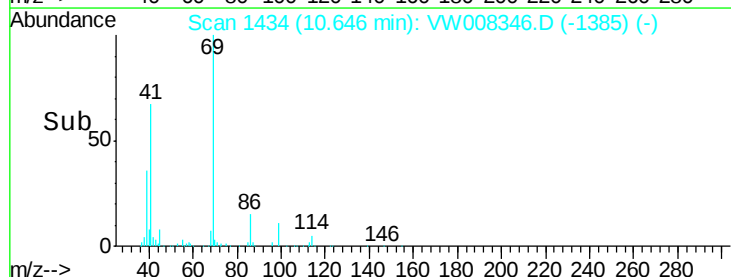
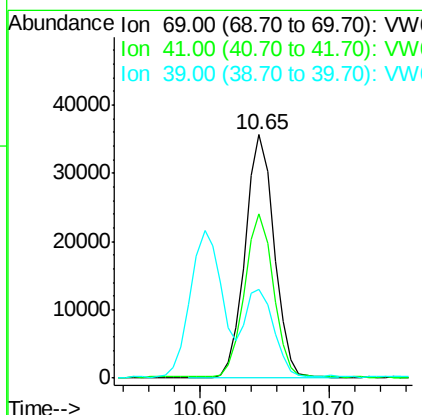
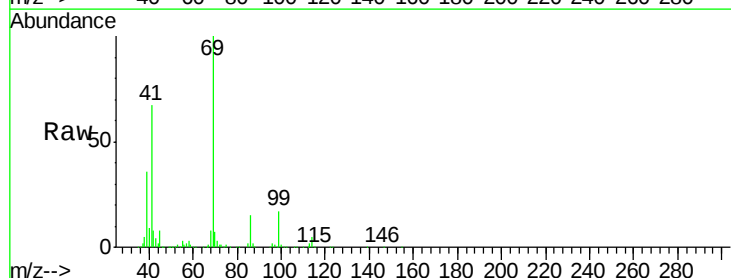
RT: 10.65 min Scan# 1434

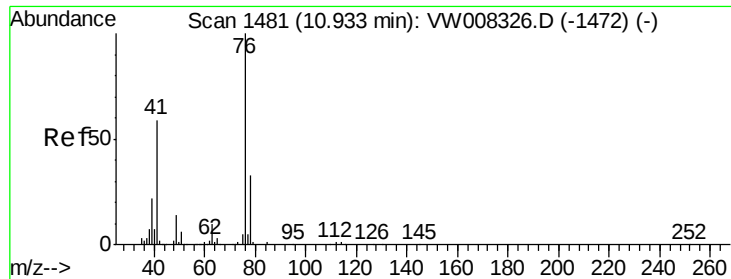
Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Tgt Ion:	69	Resp:	55551
Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.9	79.3
39	35.3	28.4	42.6





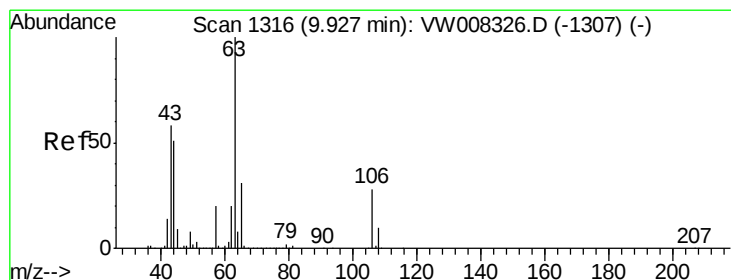
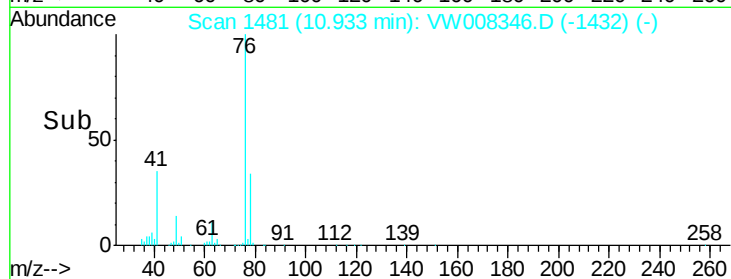
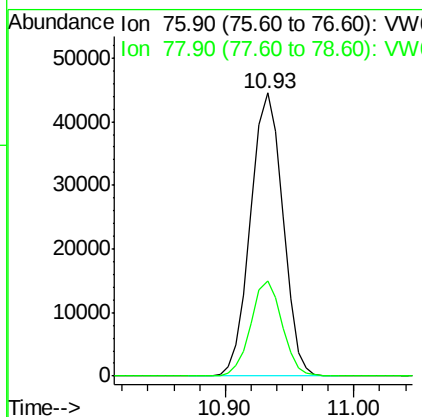
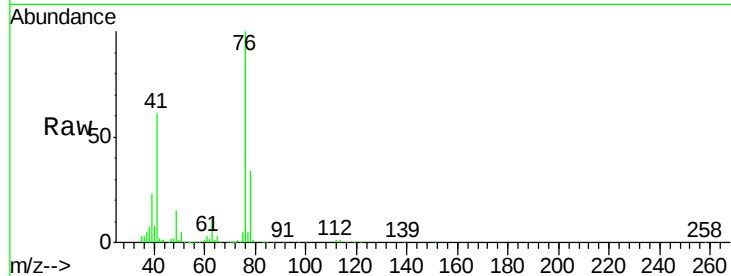
#57
 1,3-Dichloropropane
 Concen: 59.218 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 77219
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1

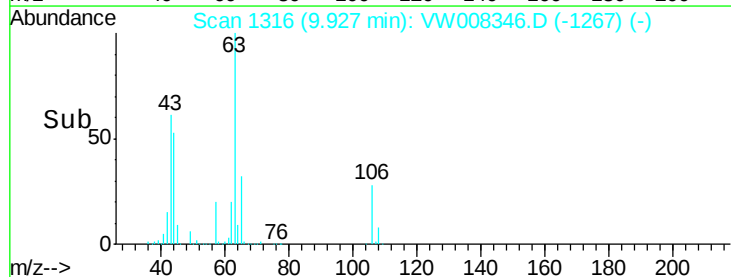
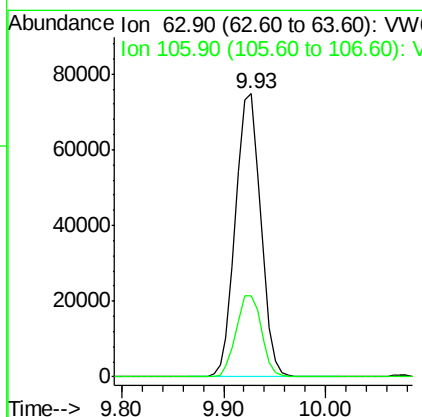
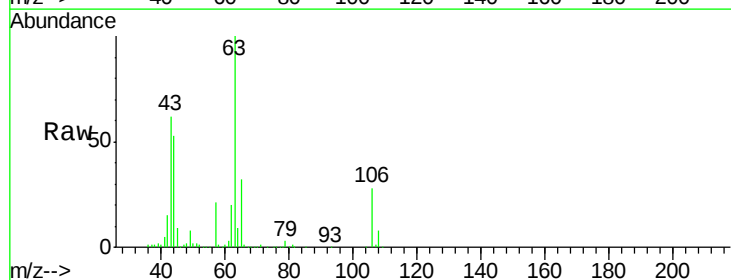
Manual Integrations
 APPROVED

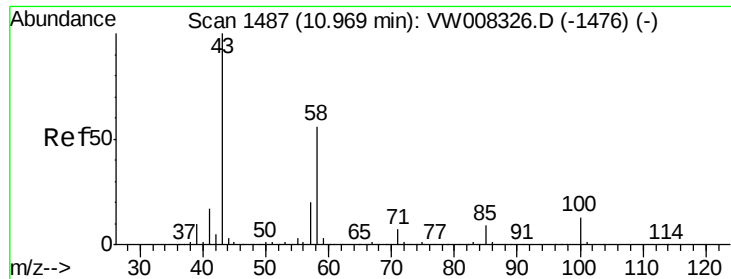
MMDadoda
 1/18/2019 2:10:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 300.815 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion: 63 Resp: 127977
 Ion Ratio Lower Upper
 63 100
 106 29.0 22.9 34.3





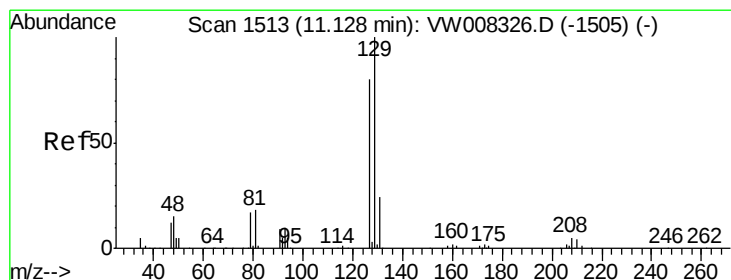
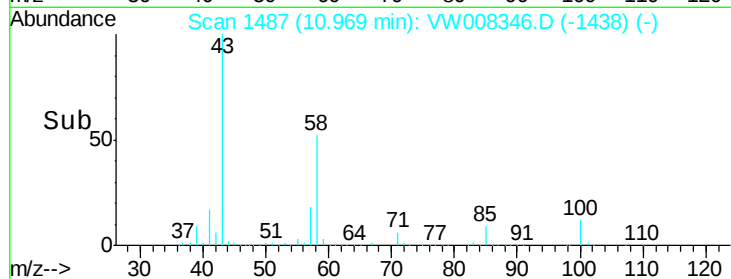
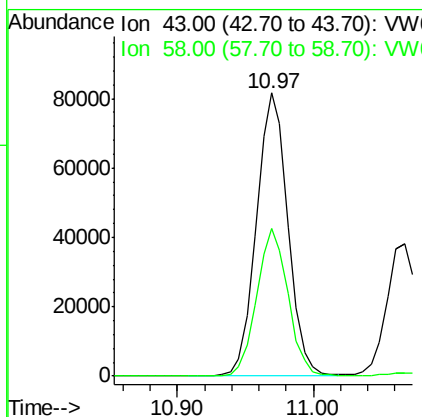
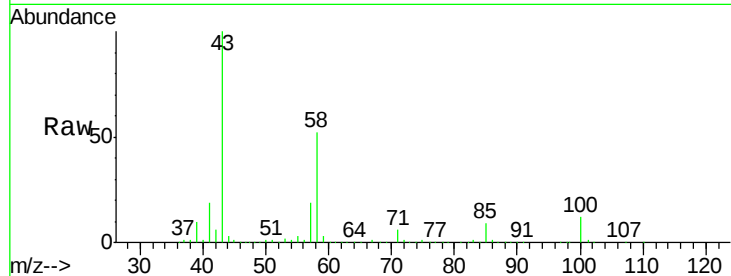
#59
2-Hexanone
Concen: 325.333 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 132748
Ion Ratio Lower Upper
43 100
58 51.9 27.5 82.5

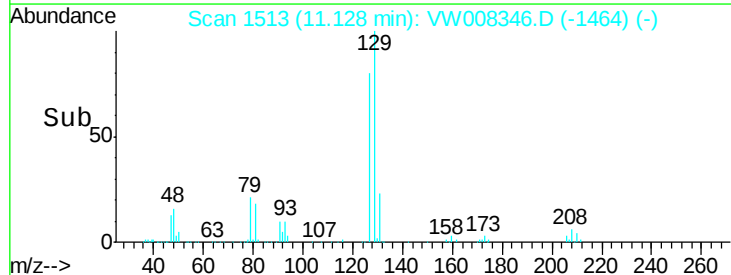
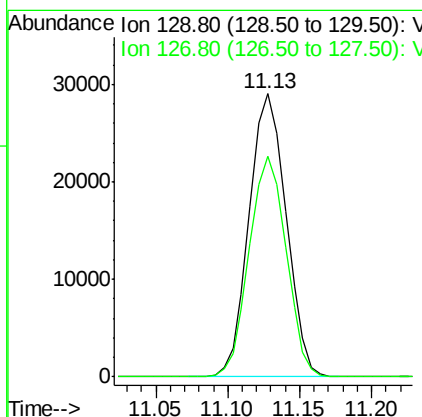
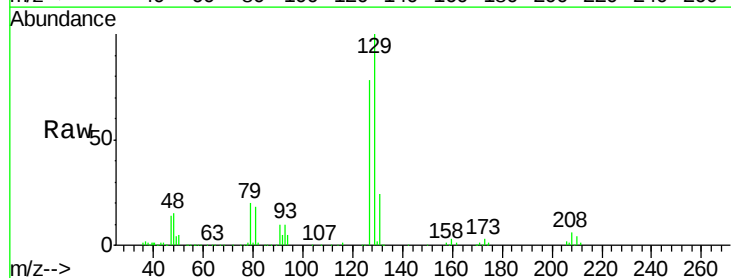
Manual Integrations
APPROVED

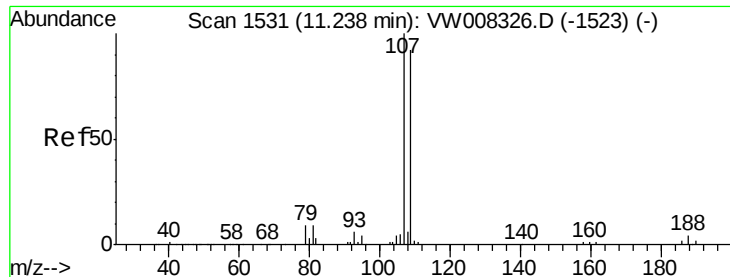
MMDadoda
1/18/2019 2:10:22 PM



#60
Dibromochloromethane
Concen: 57.882 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion: 129 Resp: 51880
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 58.551 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 42580

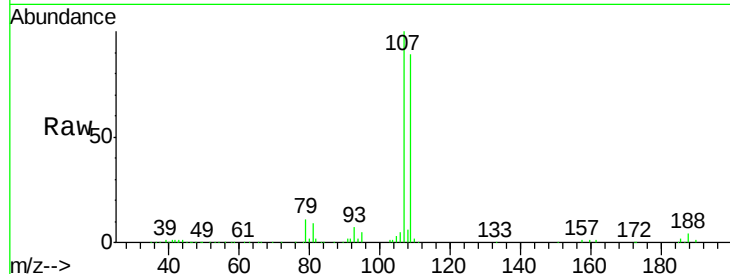
Ion Ratio Lower Upper

107 100

109 94.4 74.0 111.0

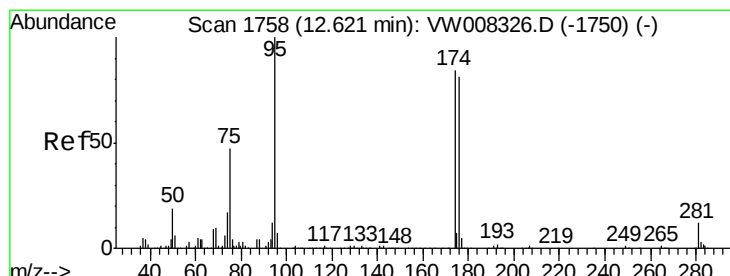
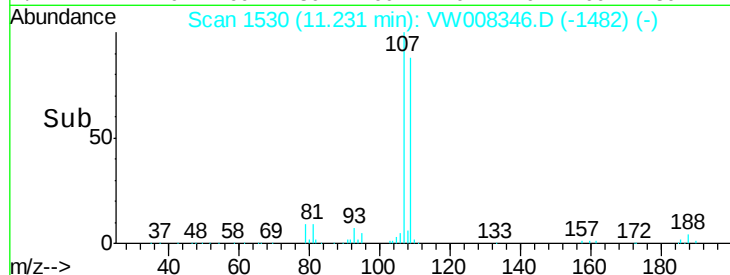
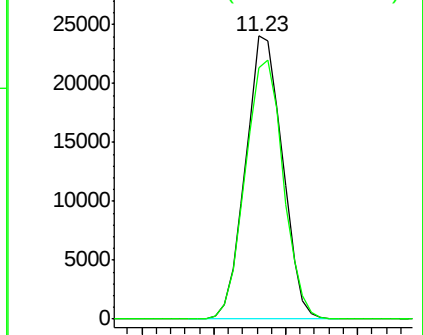
Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.692 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

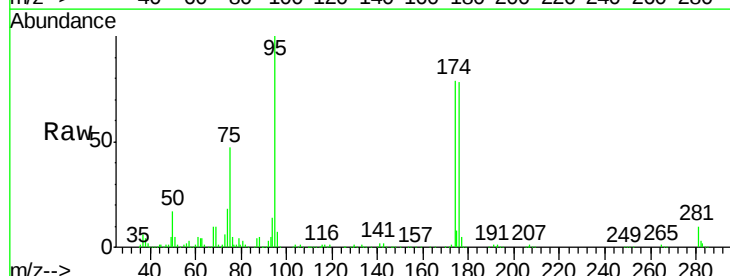
Tgt Ion: 95 Resp: 72188

Ion Ratio Lower Upper

95 100

174 77.5 0.0 166.0

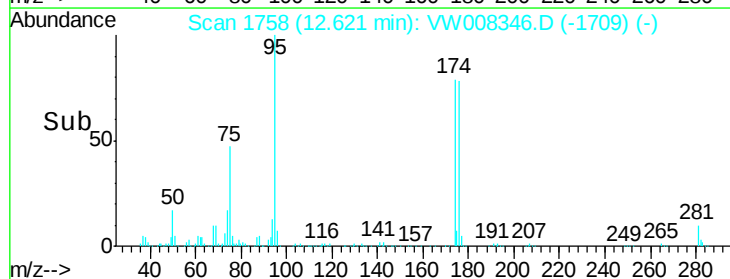
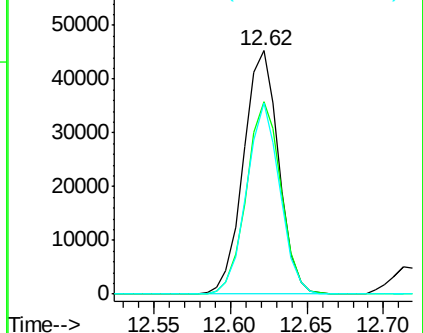
176 74.2 0.0 160.0

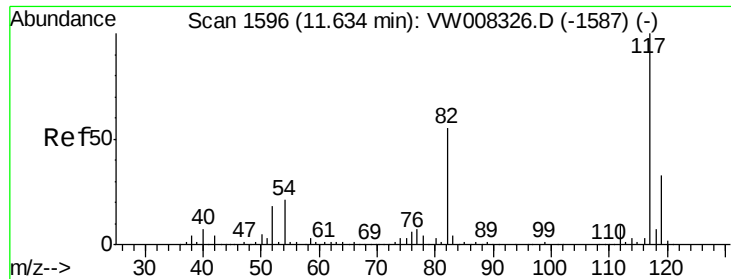


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





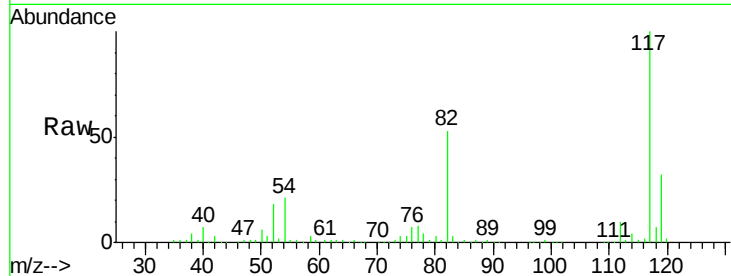
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.3	66.5
119	31.7	26.3	39.5

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM

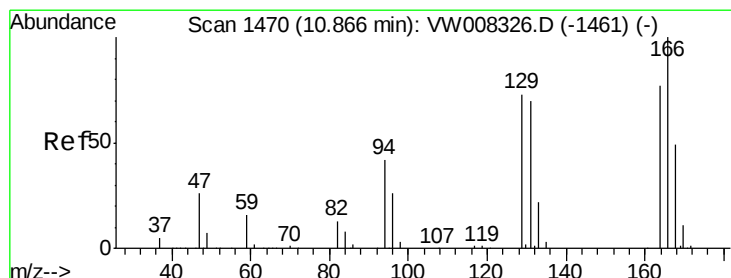
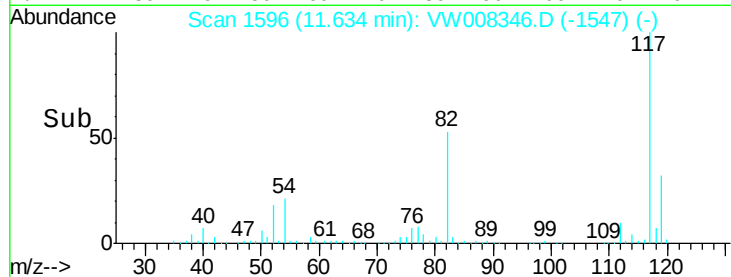
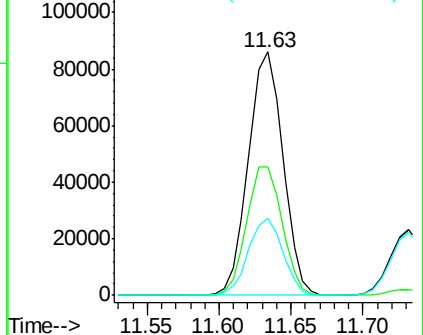


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.236 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	103.4	155.2
129	92.6	75.0	112.6
131	89.0	72.9	109.3

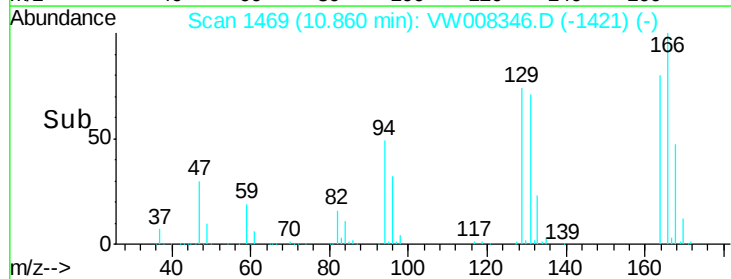
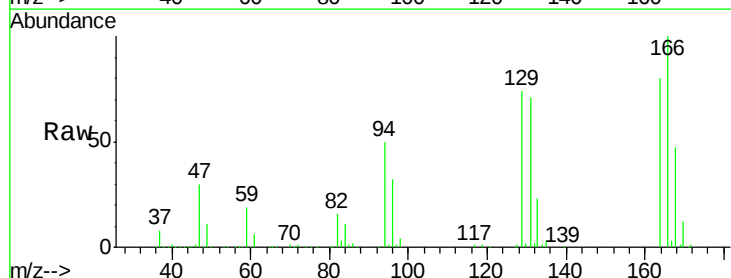
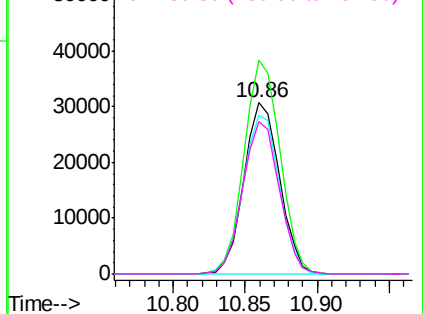
Abundance

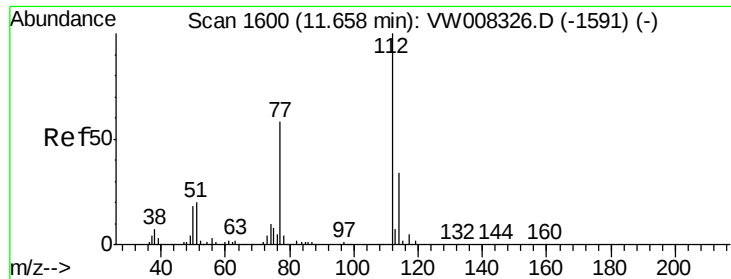
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





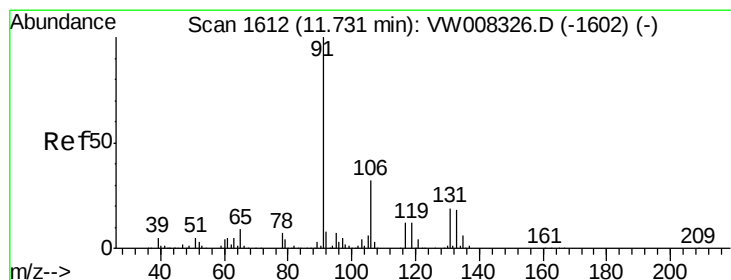
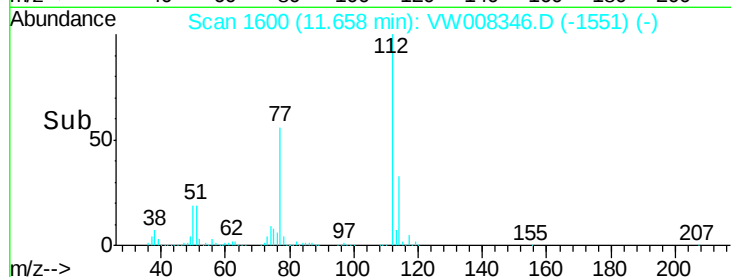
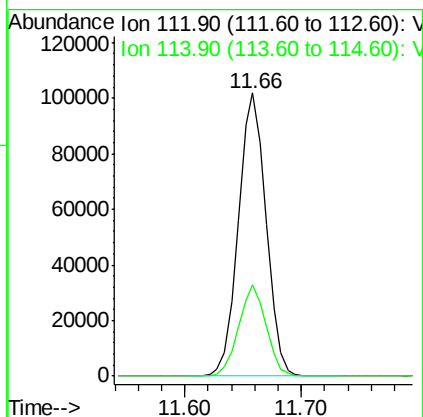
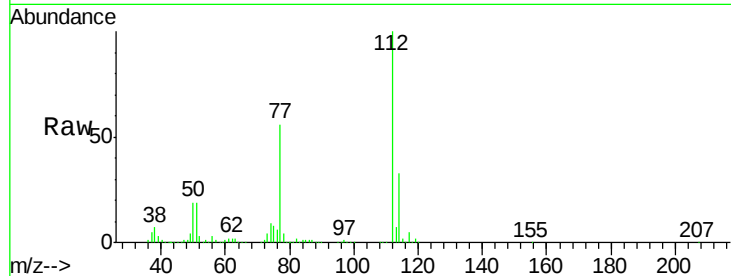
#65
Chlorobenzene
Concen: 53.891 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	26.9	40.3

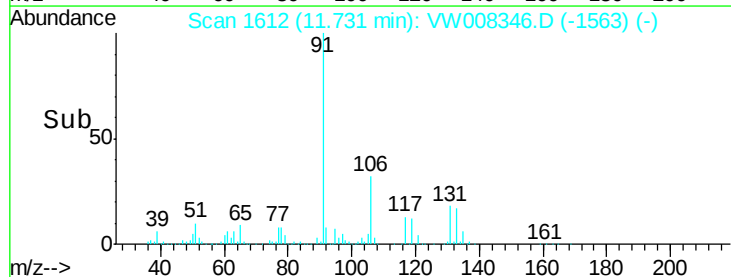
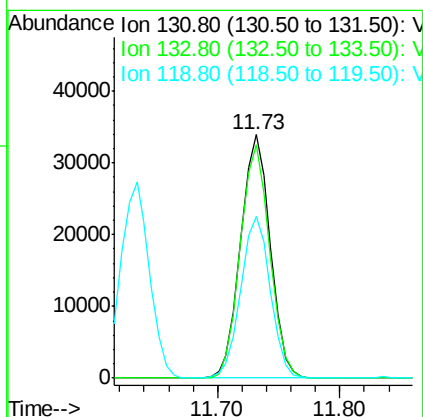
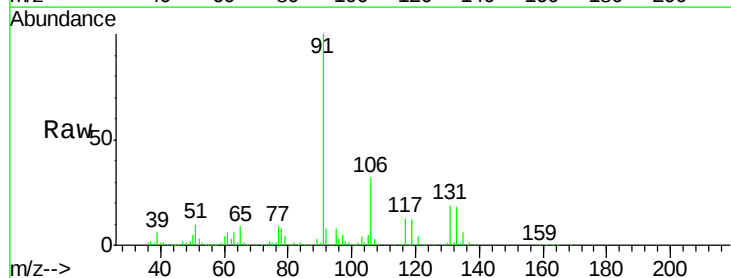
Manual Integrations
APPROVED

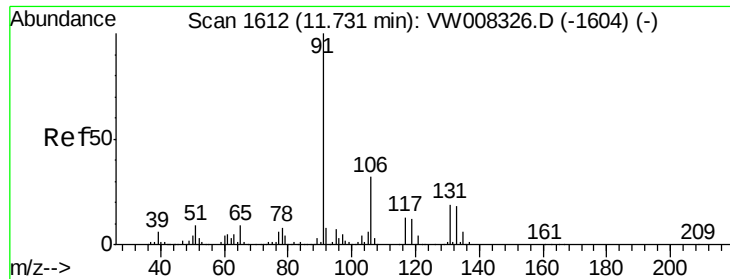
MMDadoda
1/18/2019 2:10:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.849 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.2	144.6
119	66.0	31.6	94.7





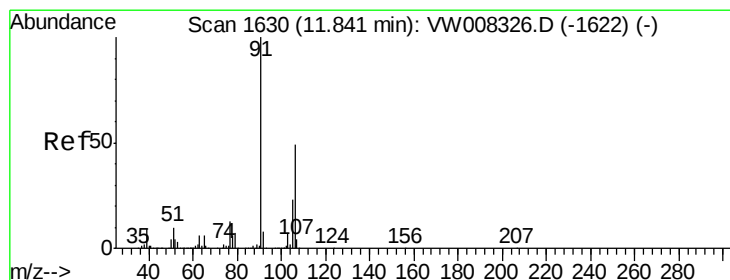
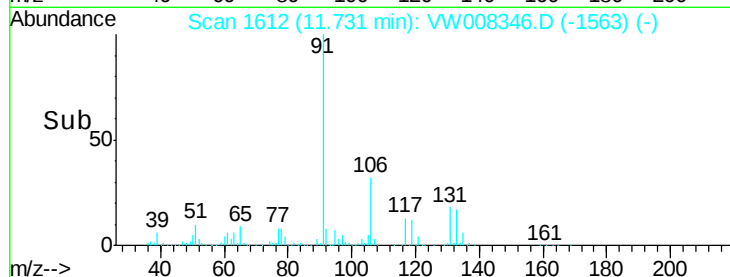
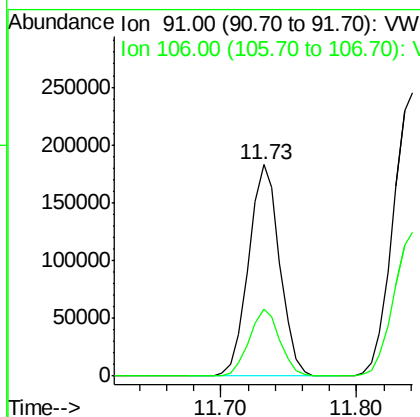
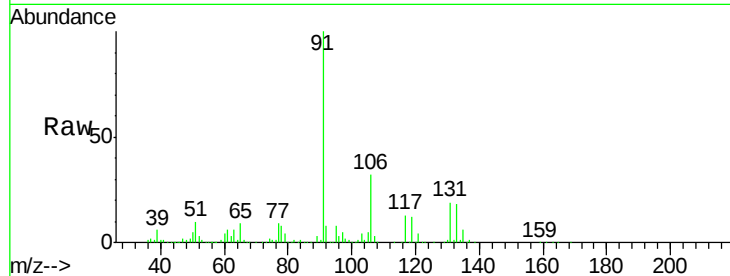
#67
Ethyl Benzene
Concen: 53.857 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 292884
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

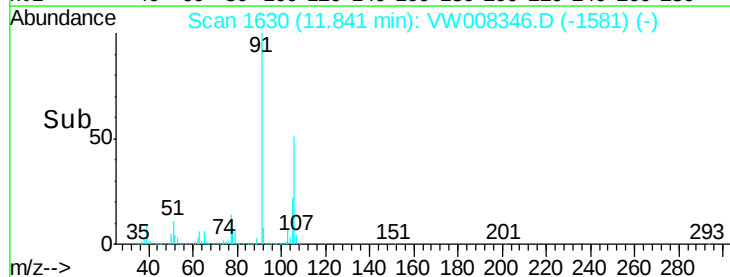
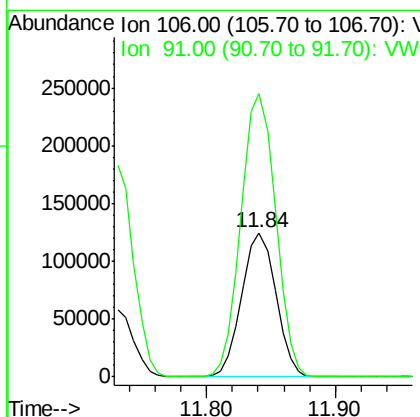
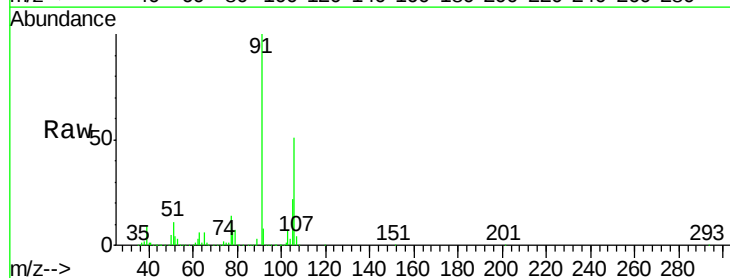
Manual Integrations
APPROVED

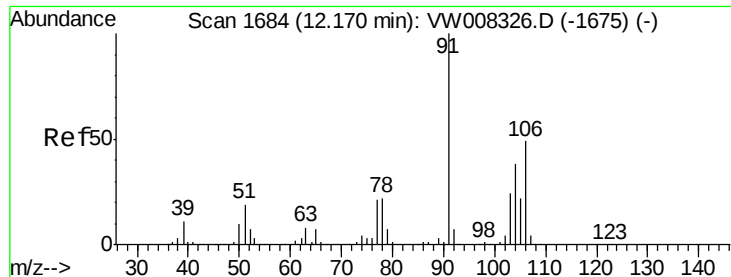
MMDadoda
1/18/2019 2:10:22 PM



#68
m/p-Xylenes
Concen: 108.965 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion: 106 Resp: 230004
Ion Ratio Lower Upper
106 100
91 199.3 158.4 237.6





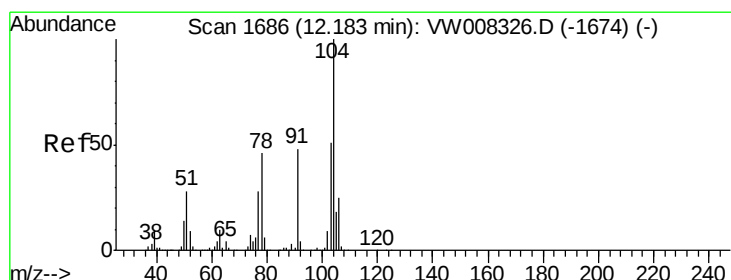
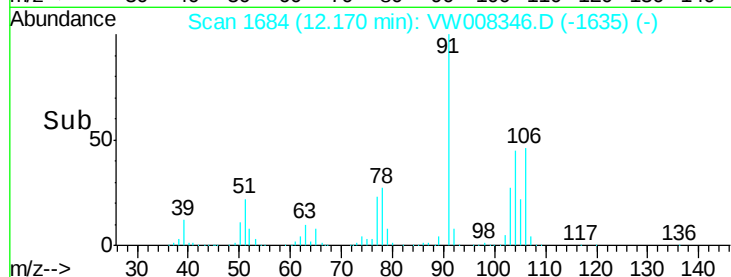
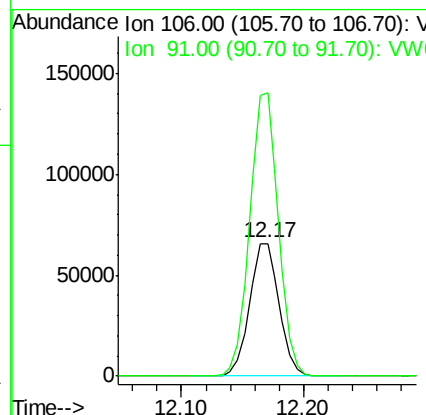
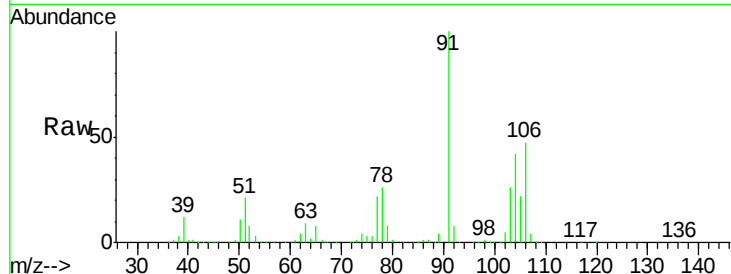
#69
o-Xylene
Concen: 55.701 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 109845
Ion Ratio Lower Upper
106 100
91 208.0 104.1 312.3

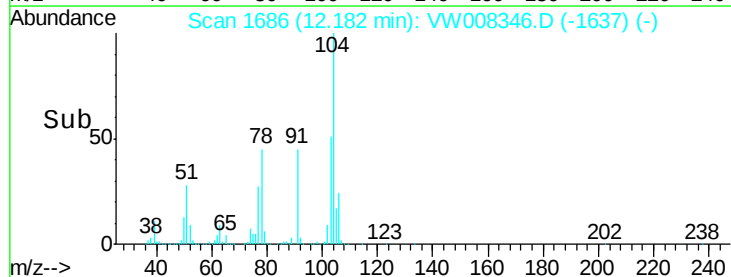
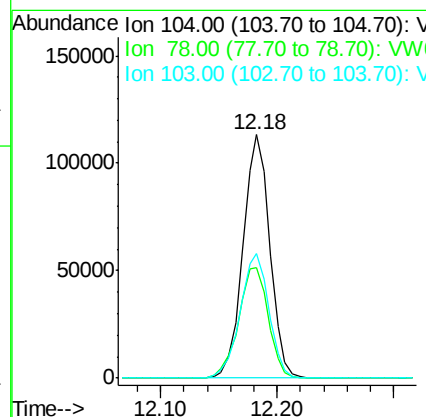
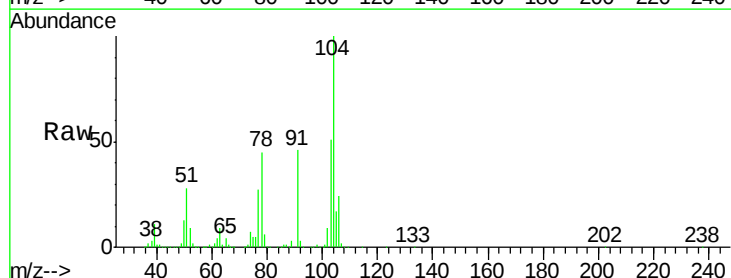
Manual Integrations
APPROVED

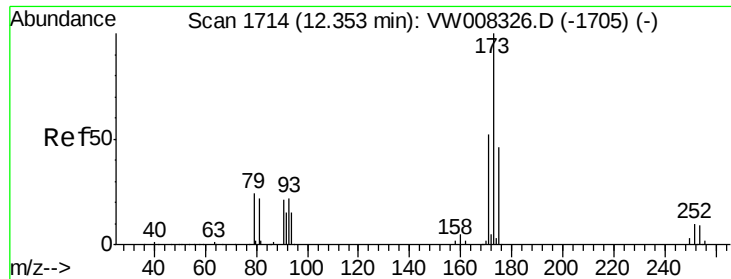
MMDadoda
1/18/2019 2:10:22 PM



#70
Styrene
Concen: 57.255 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion:104 Resp: 181361
Ion Ratio Lower Upper
104 100
78 50.6 39.8 59.6
103 55.1 44.0 66.0





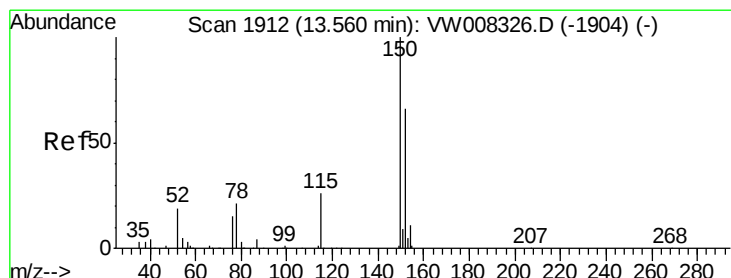
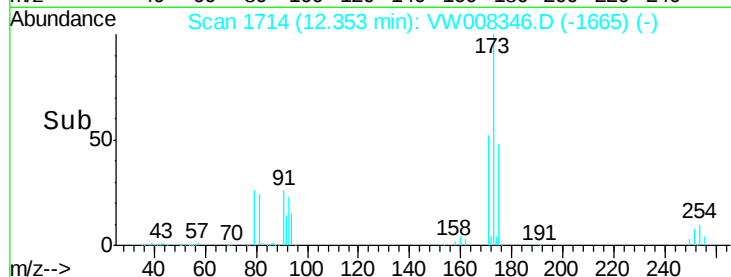
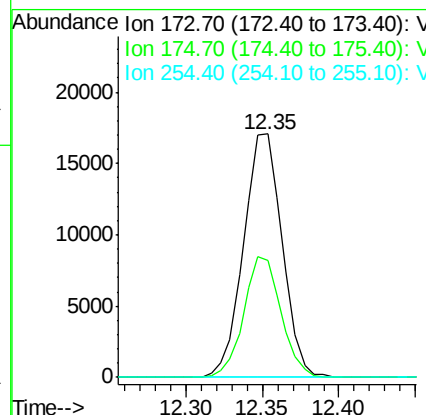
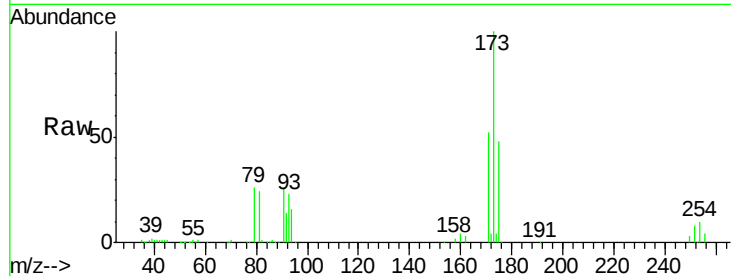
#71
Bromoform
Concen: 55.787 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	23.6	70.8
254	0.0	0.2	0.2

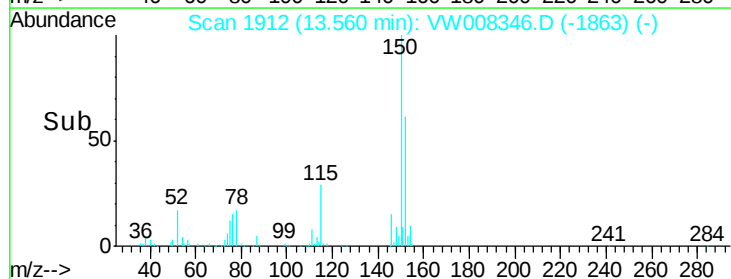
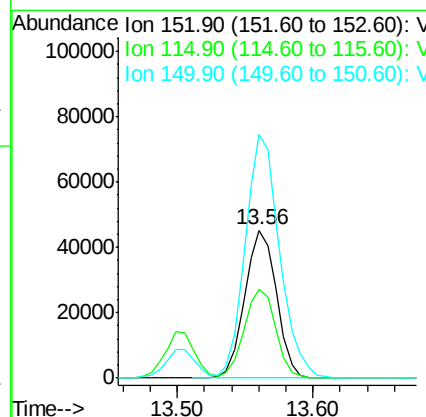
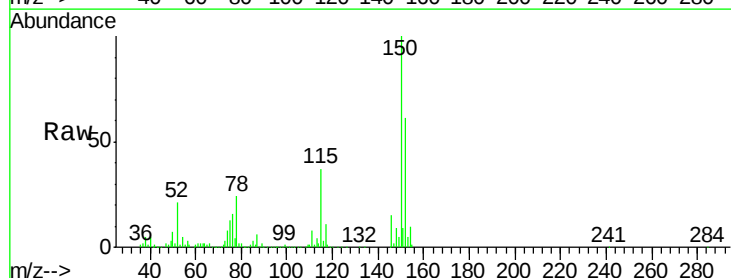
Manual Integrations
APPROVED

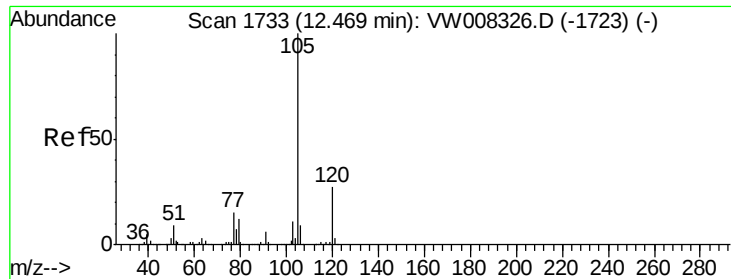
MMDadoda
1/18/2019 2:10:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.8	86.4
150	177.7	0.0	351.4





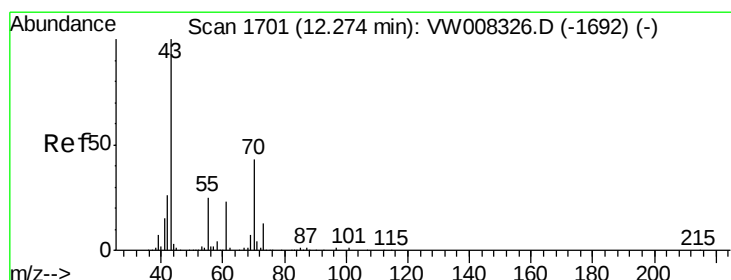
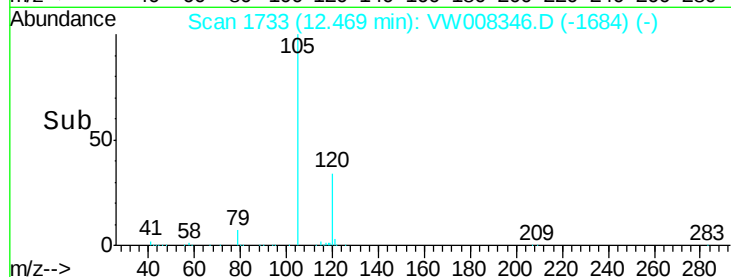
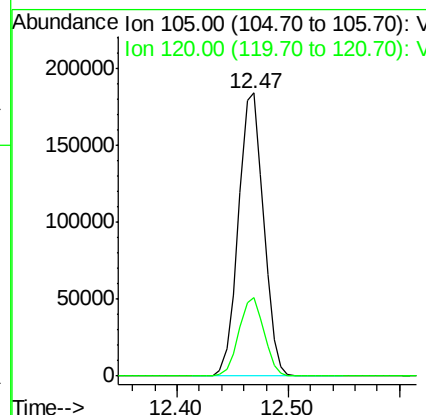
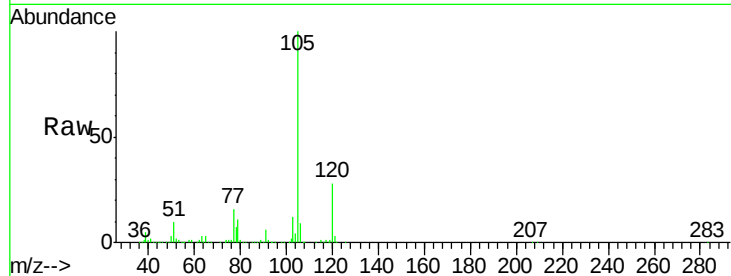
#73
Isopropylbenzene
Concen: 53.538 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.6	40.8

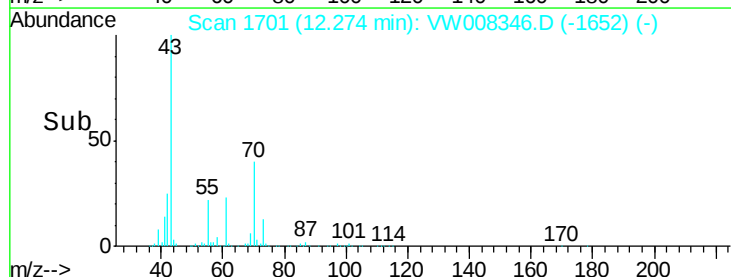
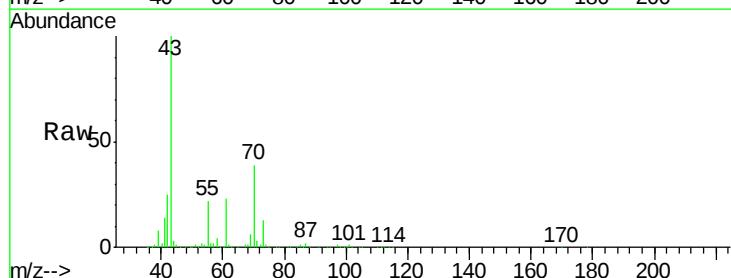
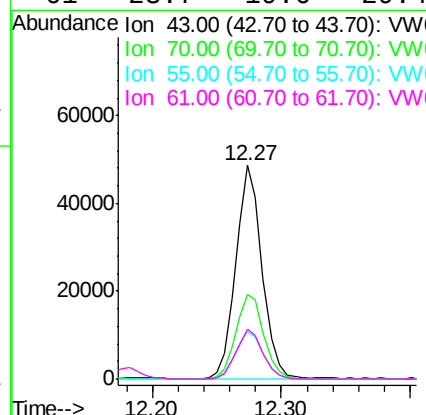
Manual Integrations
APPROVED

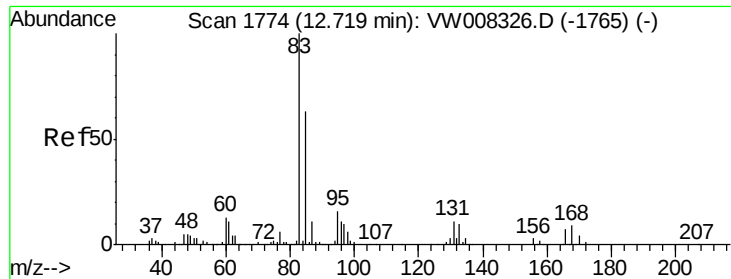
MMDadoda
1/18/2019 2:10:22 PM



#74
N-ethyl acetate
Concen: 59.563 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.4	34.6	52.0
55	24.1	20.0	30.0
61	23.7	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 56.788 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

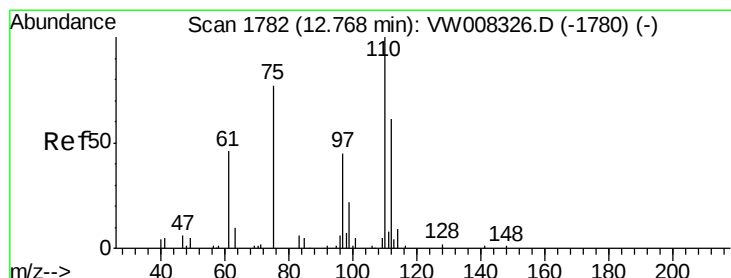
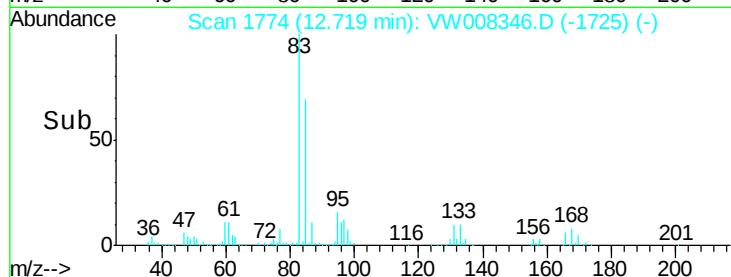
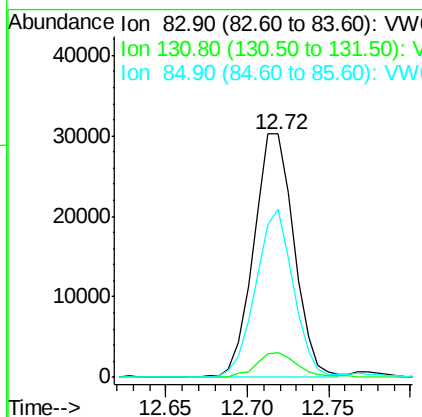
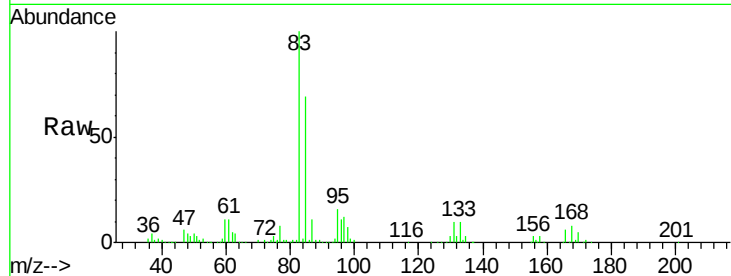
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	51890
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.5	16.5
85	64.7	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM



#76

1,2,3-Trichloropropane

Concen: 54.932 ug/l m

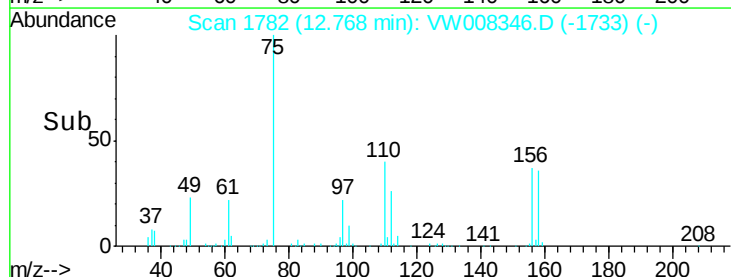
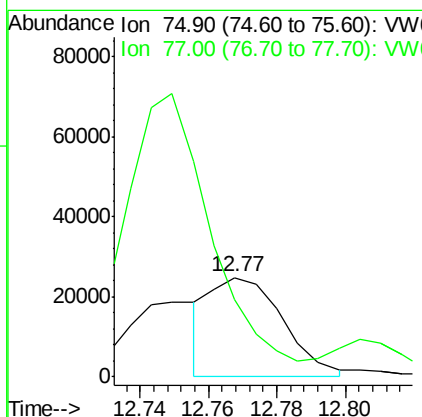
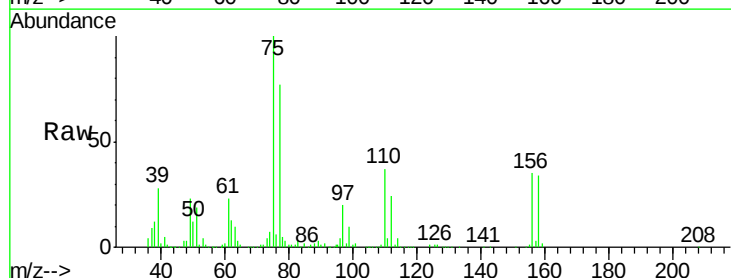
RT: 12.77 min Scan# 1782

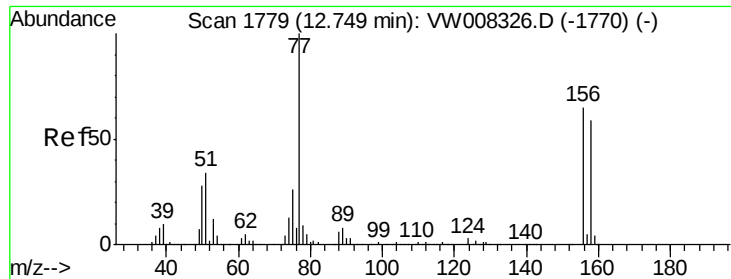
Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Tgt Ion:	75	Resp:	36882
Ion	Ratio	Lower	Upper
75	100		
77	343.7	175.3	526.1





#77

Bromobenzene

Concen: 53.194 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

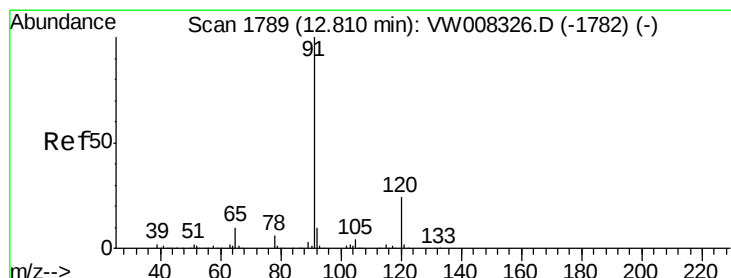
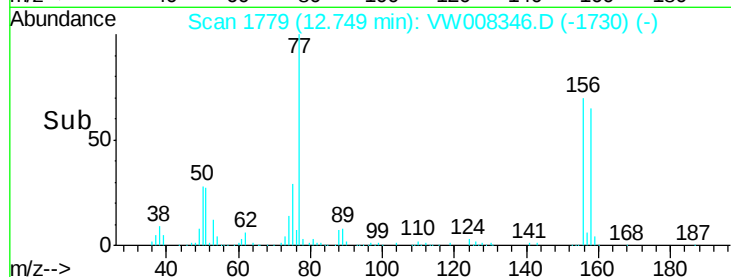
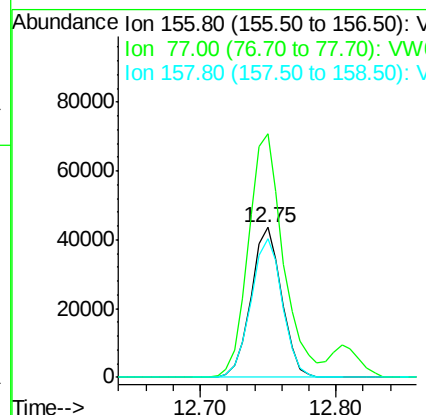
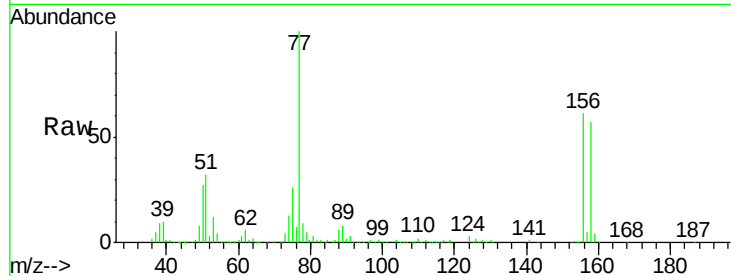
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		68640		
77	184.7	88.3	264.9		
158	95.2	47.6	142.8		

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM



#78

n-propylbenzene

Concen: 53.387 ug/l

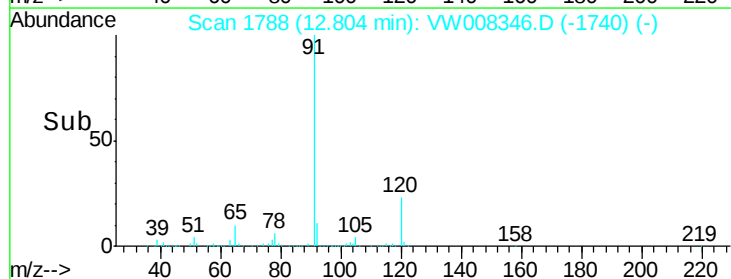
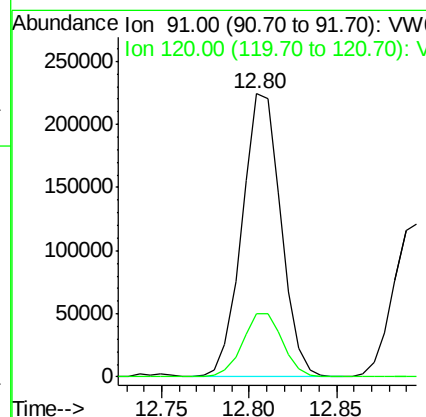
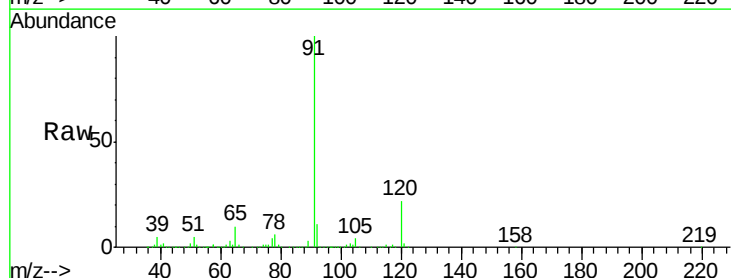
RT: 12.80 min Scan# 1788

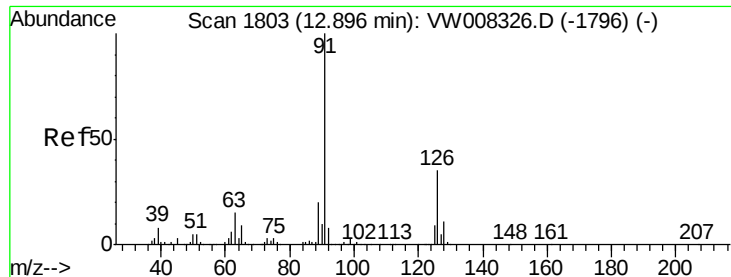
Delta R.T. -0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		347139		
120	23.0	11.9	35.7		





#79

2-Chlorotoluene

Concen: 53.750 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 199689

Ion Ratio Lower Upper

91 100

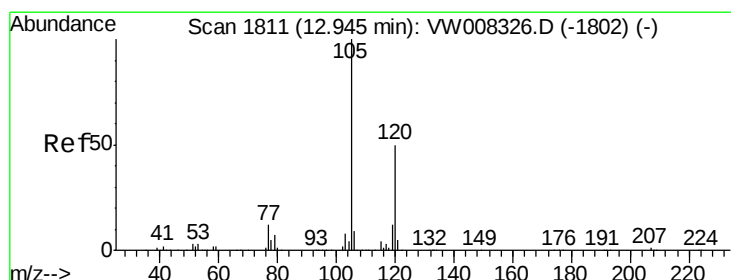
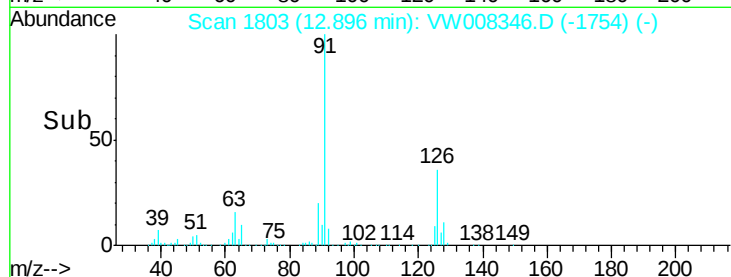
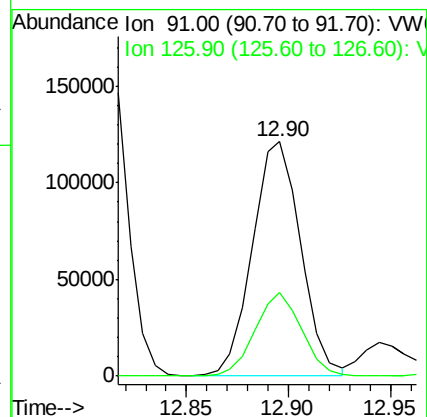
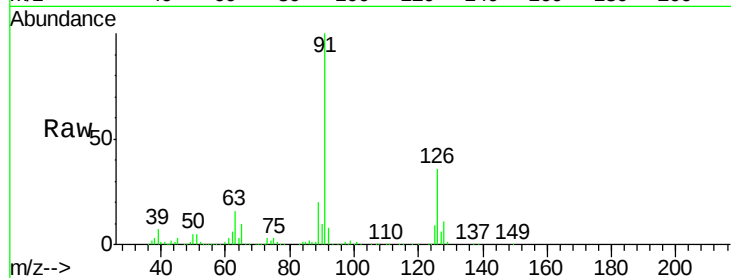
126 34.4 17.5 52.6

Manual Integrations

APPROVED

MMDadoda

1/18/2019 2:10:22 PM



#80

1,3,5-Trimethylbenzene

Concen: 54.907 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008346.D

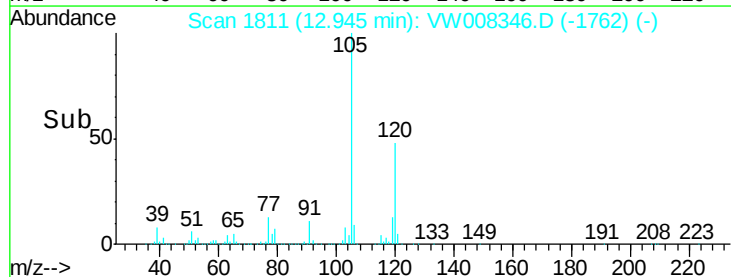
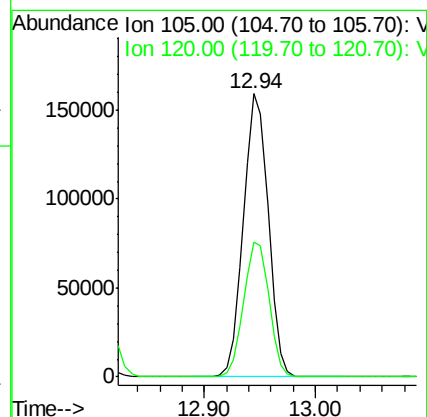
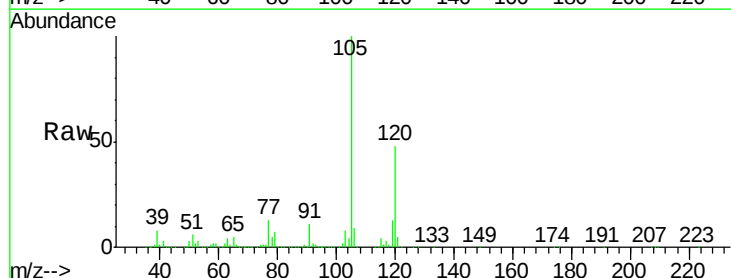
Acq: 17 Jan 2019 23:19

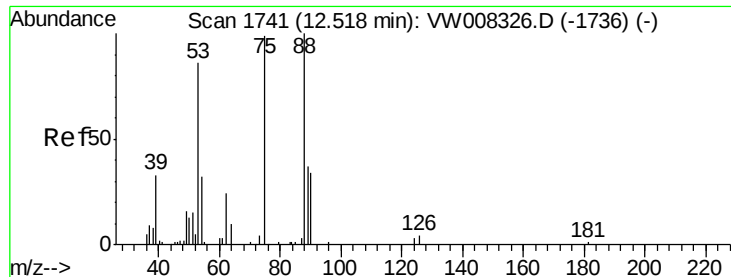
Tgt Ion:105 Resp: 246143

Ion Ratio Lower Upper

105 100

120 48.9 25.6 76.8





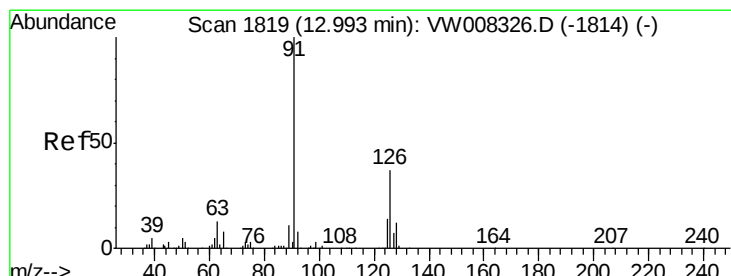
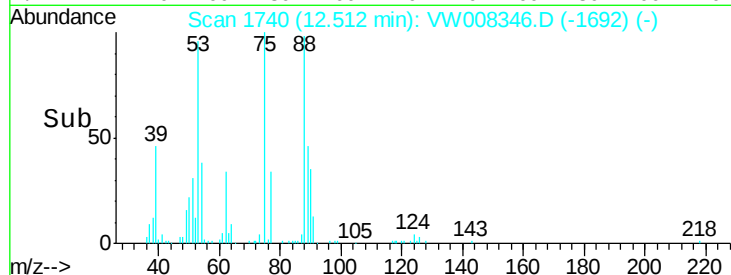
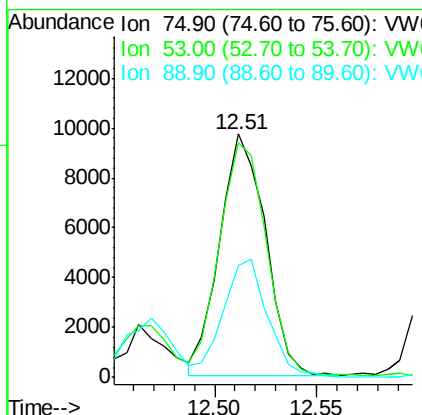
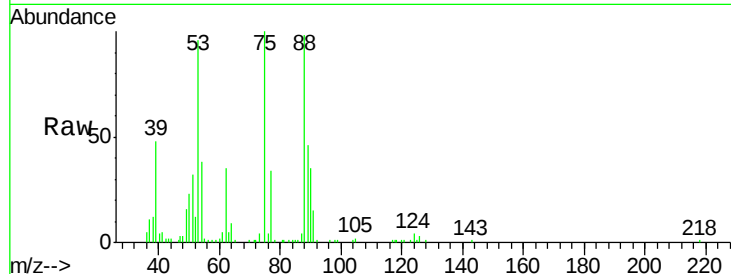
#81
trans-1,4-Dichloro-2-butene
Concen: 53.485 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.5	76.2	114.4
89	48.1	36.7	55.1

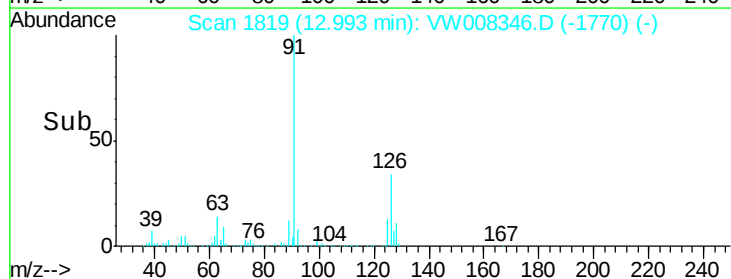
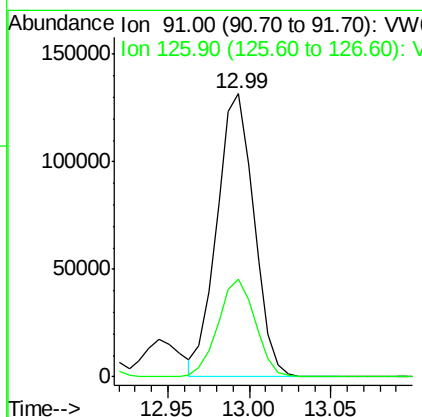
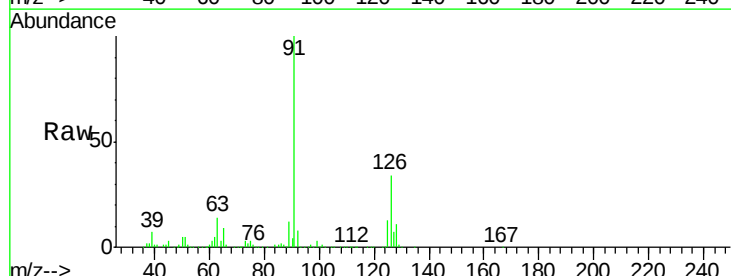
Manual Integrations
APPROVED

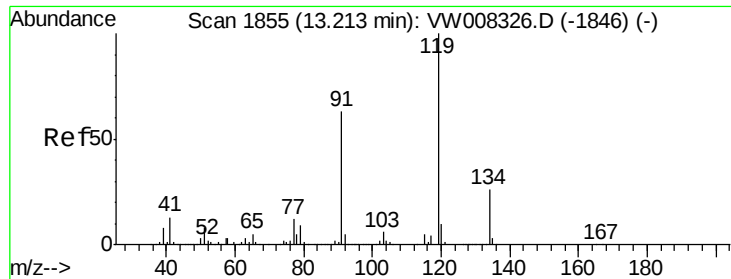
MMDadoda
1/18/2019 2:10:22 PM



#82
4-Chlorotoluene
Concen: 53.691 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.8	53.3





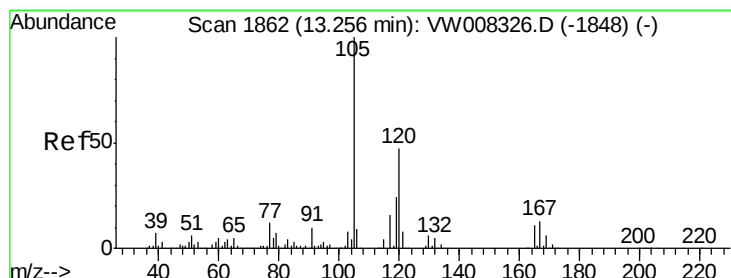
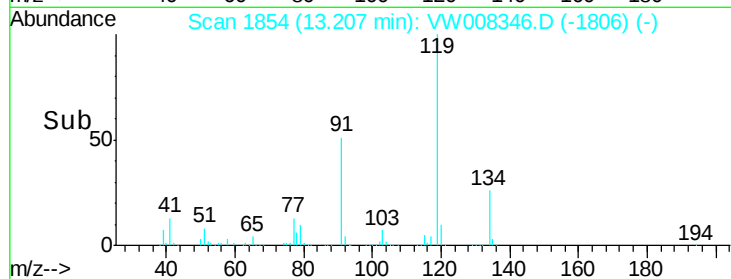
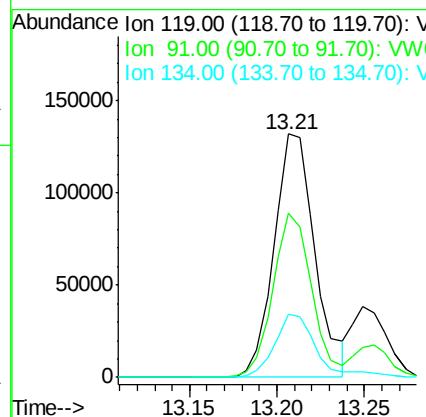
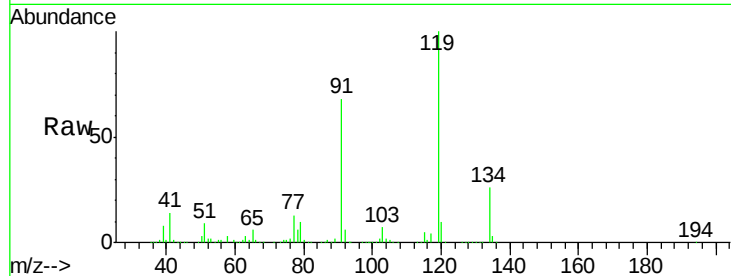
#83
 tert-Butylbenzene
 Concen: 54.662 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	215675		
91	63.6		32.4	97.0
134	26.5		13.9	41.7

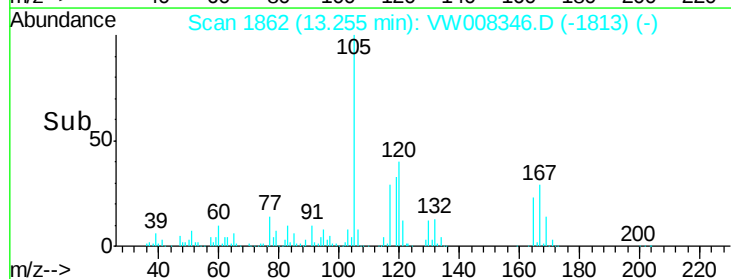
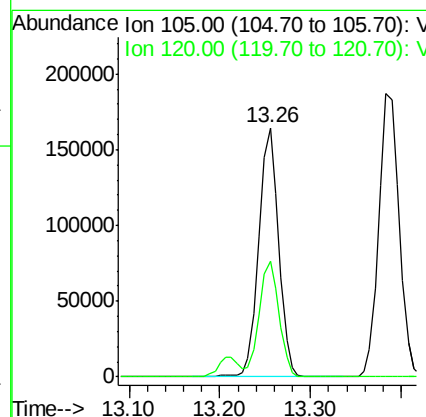
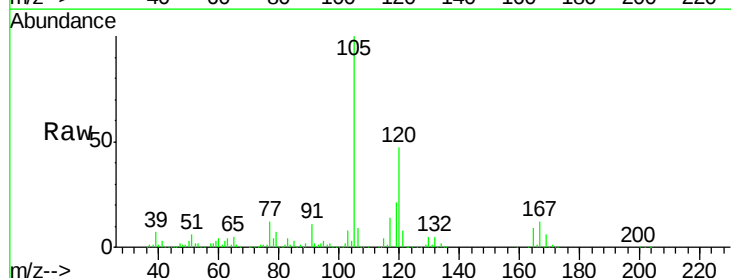
Manual Integrations
 APPROVED

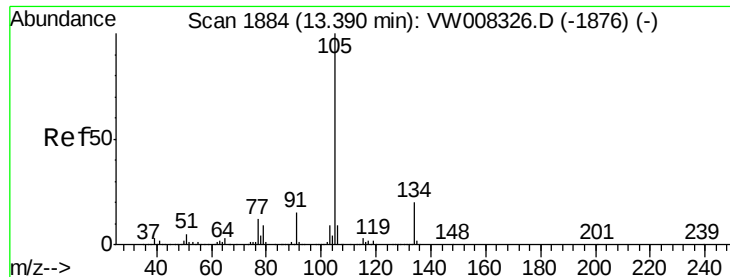
MMDadoda
 1/18/2019 2:10:22 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 54.777 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	250148		
120	46.5		23.5	70.6





#85

sec-Butylbenzene

Concen: 51.597 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 292298

Ion Ratio Lower Upper

105 100

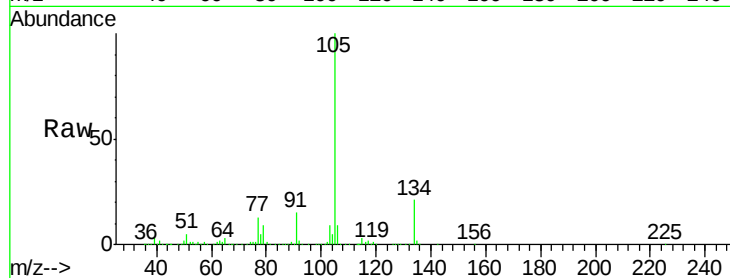
134 21.1 10.1 30.3

Manual Integrations

APPROVED

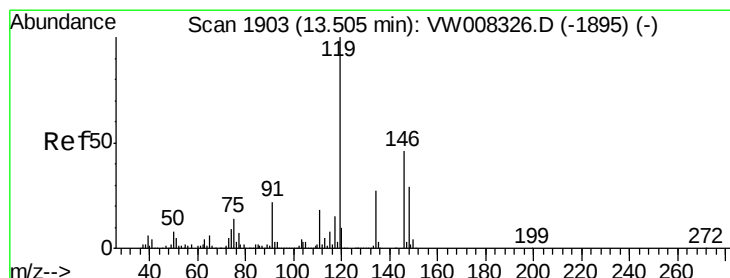
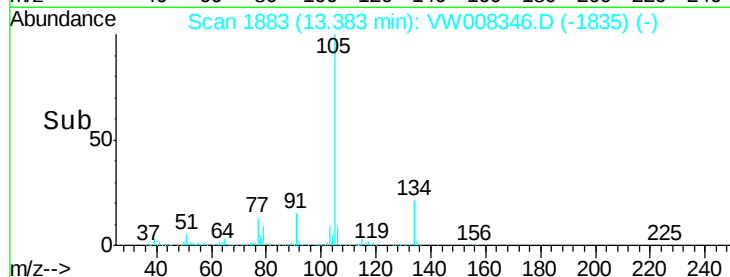
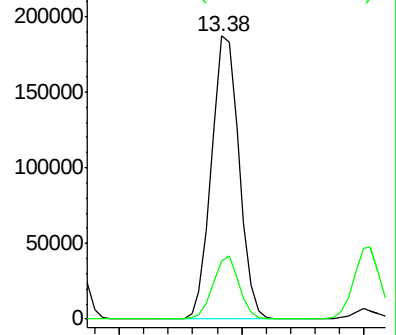
MMDadoda

1/18/2019 2:10:22 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.035 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008346.D

Acq: 17 Jan 2019 23:19

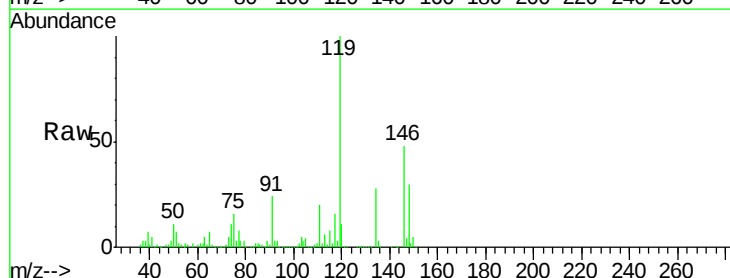
Tgt Ion:119 Resp: 262407

Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.0

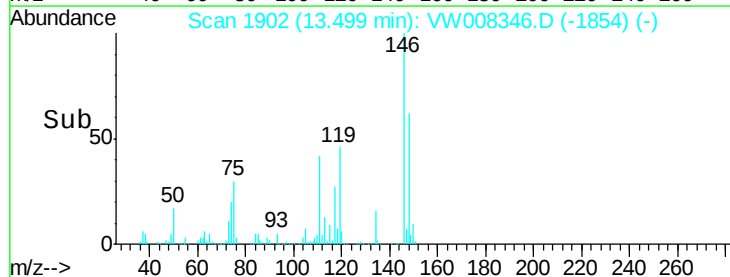
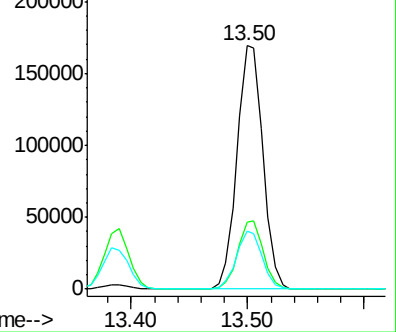
91 23.6 11.4 34.2

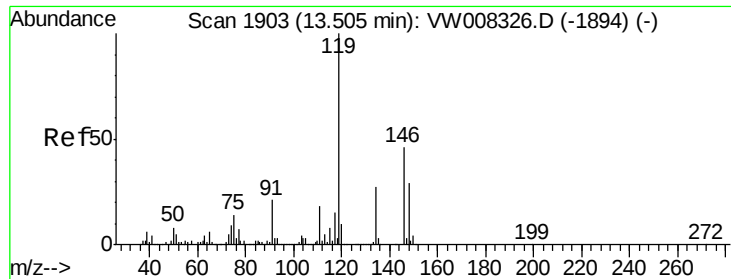


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





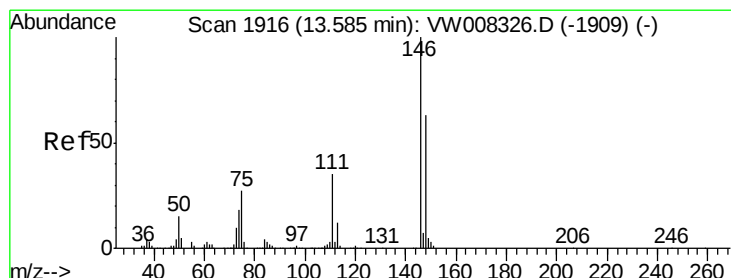
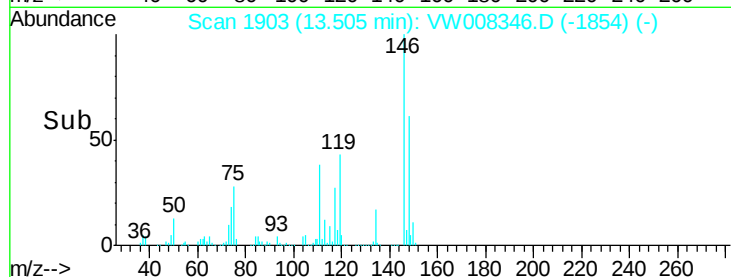
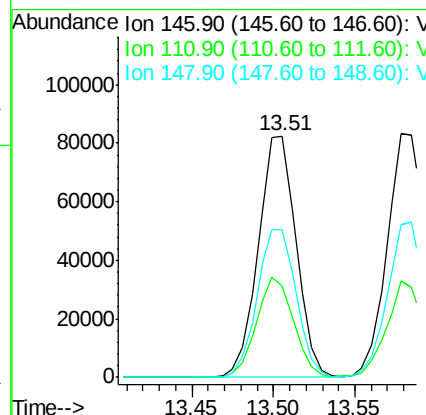
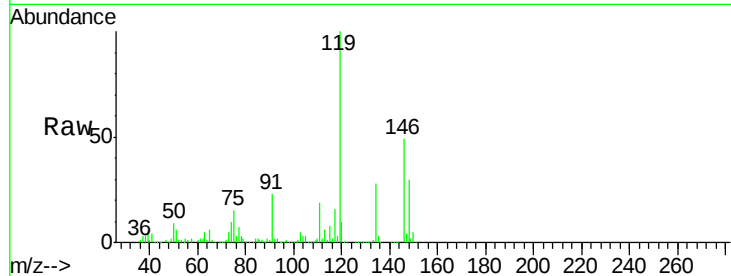
#87
 1,3-Dichlorobenzene
 Concen: 51.918 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	63.2	31.4	94.3

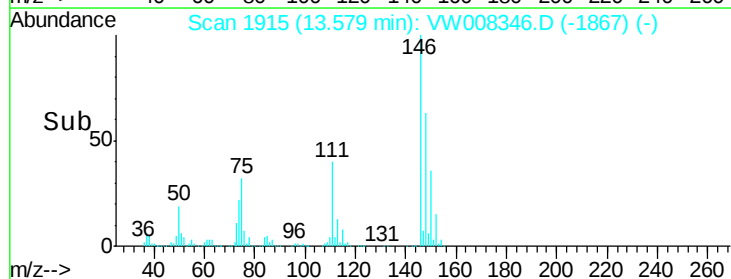
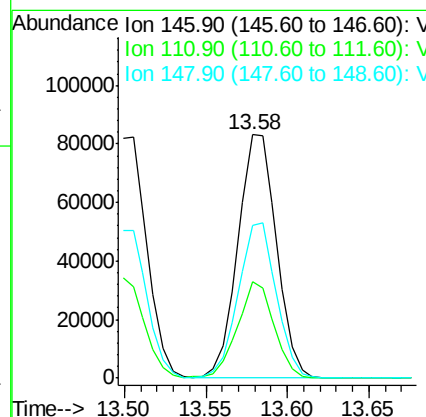
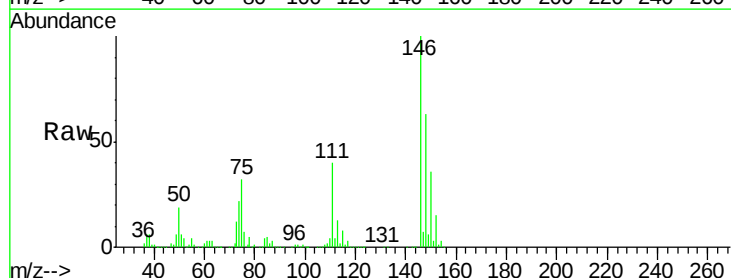
Manual Integrations
 APPROVED

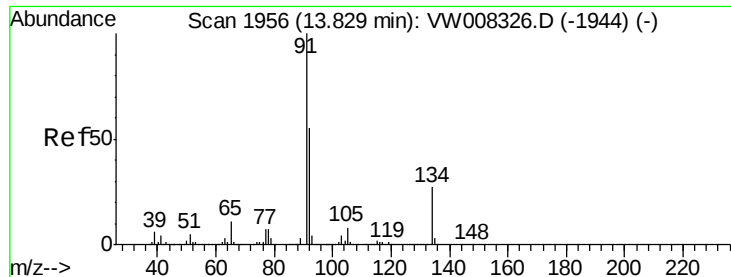
MMDadoda
 1/18/2019 2:10:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 53.433 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	62.7	31.6	94.8





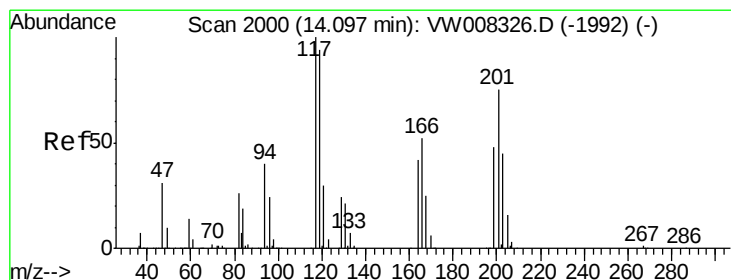
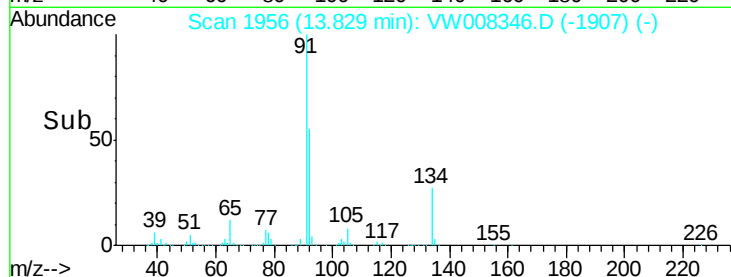
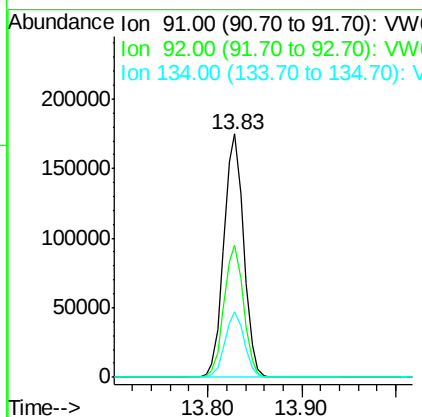
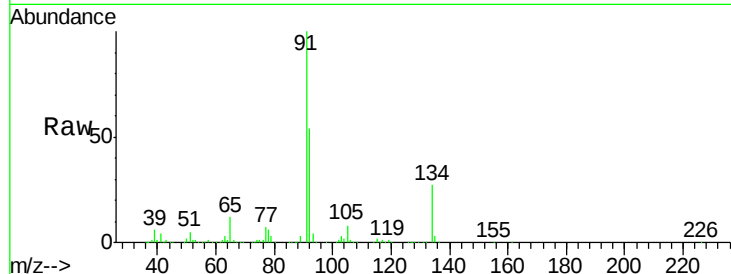
#89
n-Butylbenzene
Concen: 53.705 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.2	81.6
134	26.5	13.4	40.1

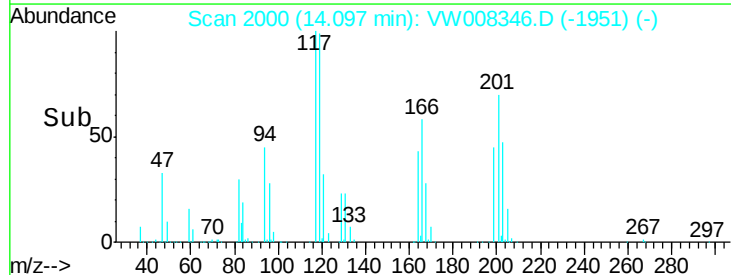
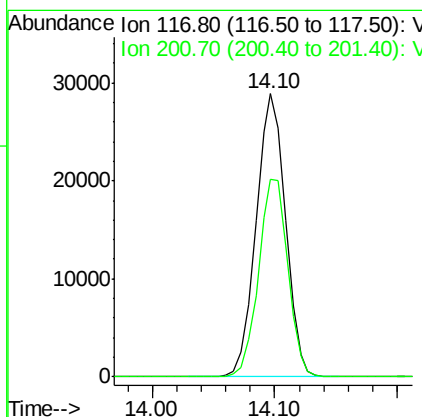
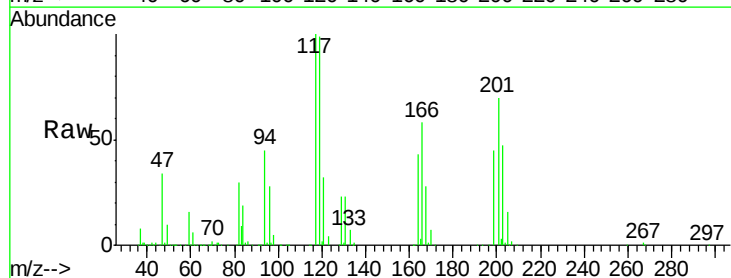
Manual Integrations
APPROVED

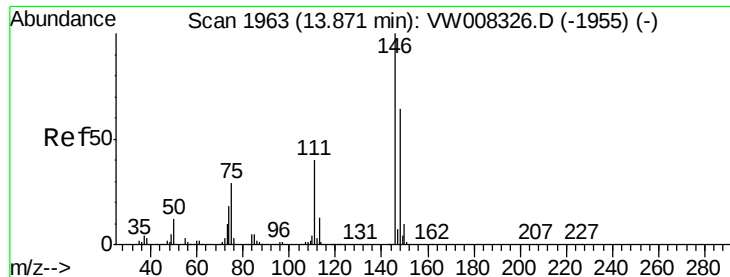
MMDadoda
1/18/2019 2:10:22 PM



#90
Hexachloroethane
Concen: 52.858 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	39.3	117.9





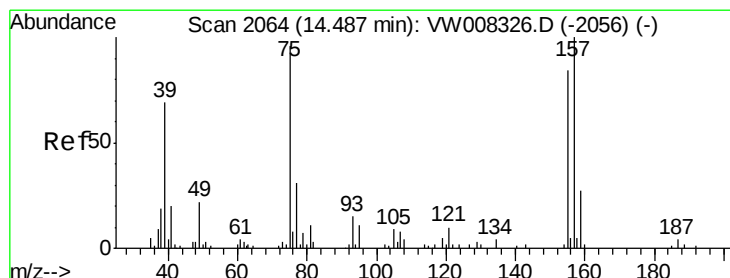
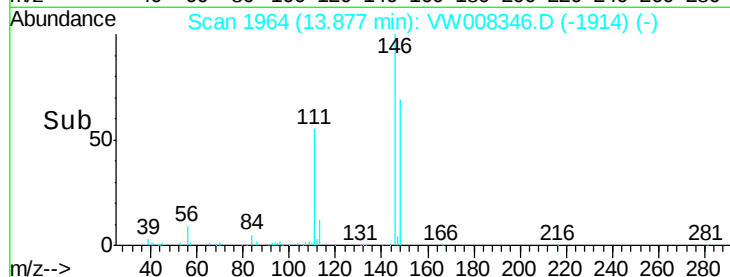
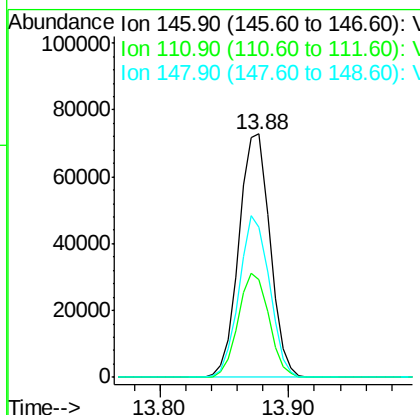
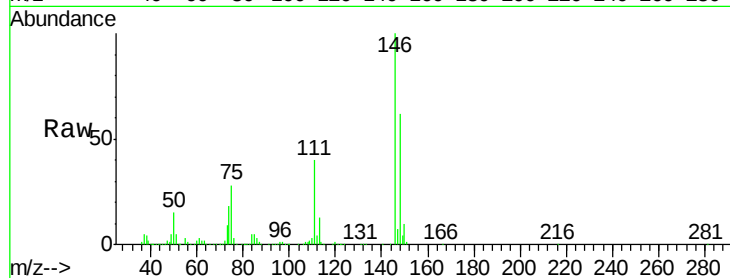
#91
 1,2-Dichlorobenzene
 Concen: 53.713 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.6	58.8
148	64.9	31.7	95.1

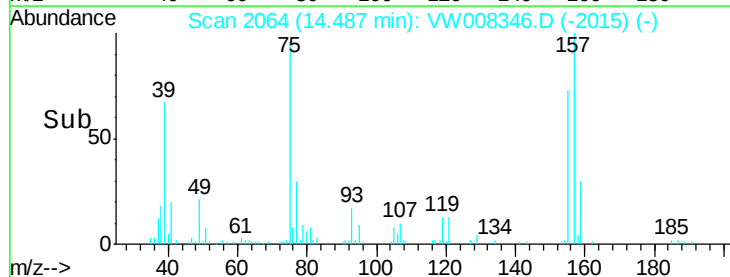
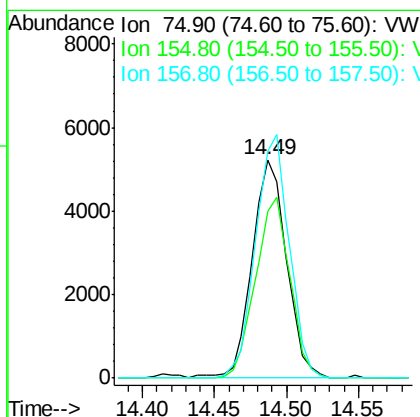
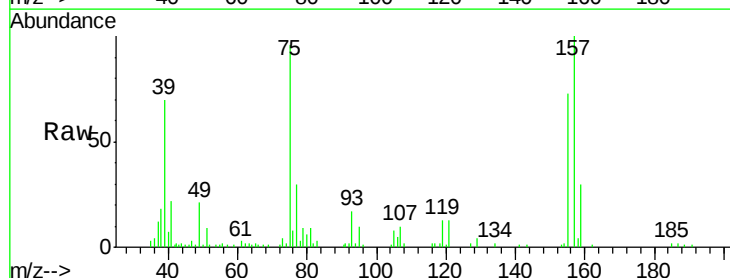
Manual Integrations
 APPROVED

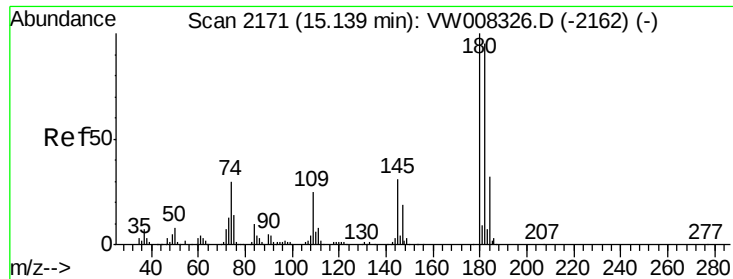
MMDadoda
 1/18/2019 2:10:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.585 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	44.7	134.1
157	109.3	53.9	161.8





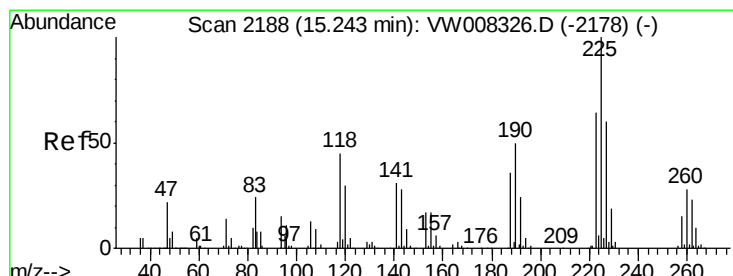
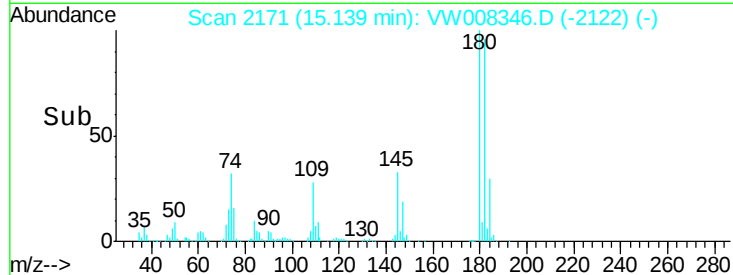
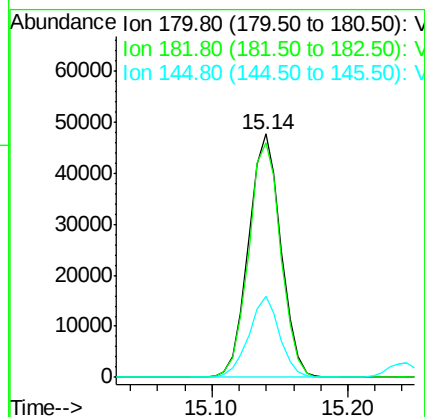
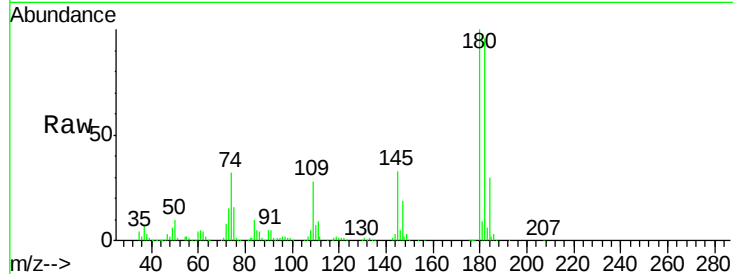
#93
 1,2,4-Trichlorobenzene
 Concen: 51.886 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.6	142.8
145	31.6	14.8	44.4

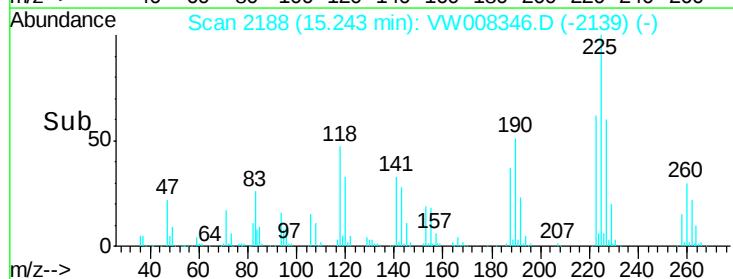
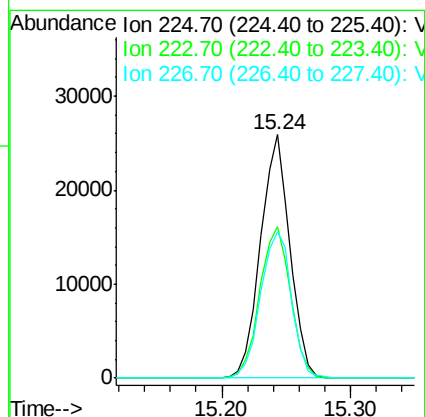
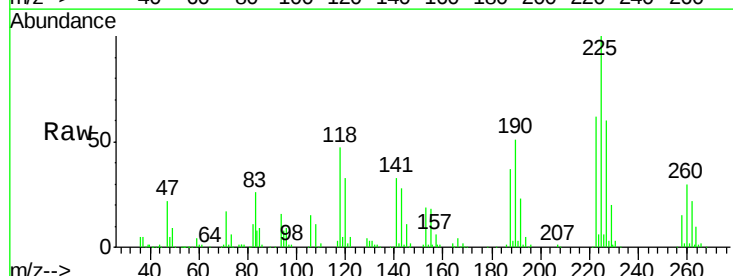
Manual Integrations
 APPROVED

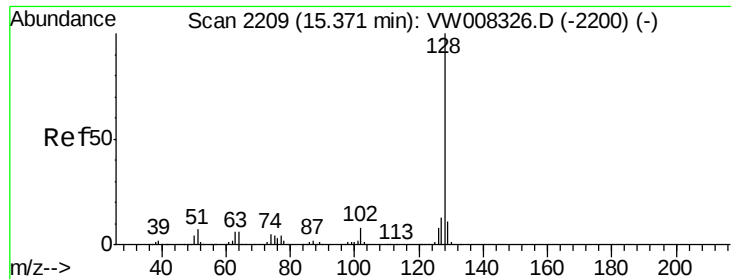
MMDadoda
 1/18/2019 2:10:22 PM



#94
 Hexachlorobutadiene
 Concen: 47.165 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008346.D
 Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.1	93.3
227	63.0	30.3	90.8





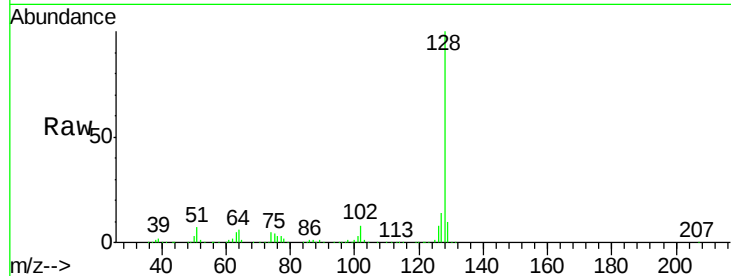
#95
Naphthalene
Concen: 55.360 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/18/2019 2:10:22 PM

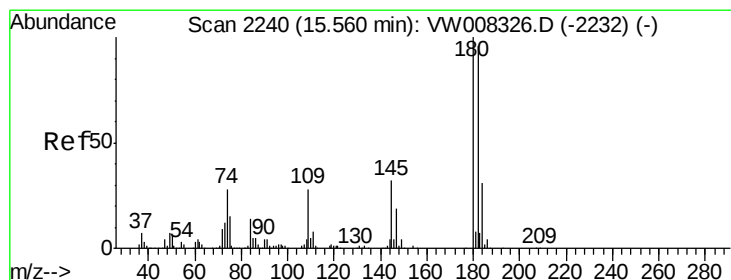
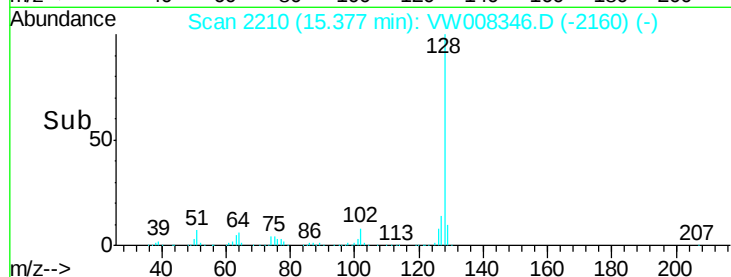
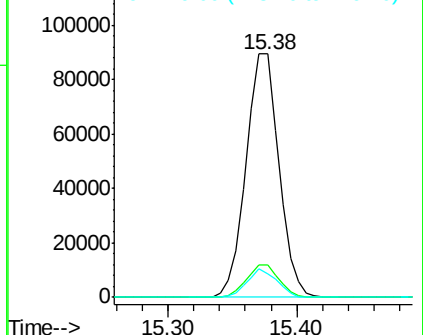


Abundance

Ion 128.00 (127.70 to 128.70): V

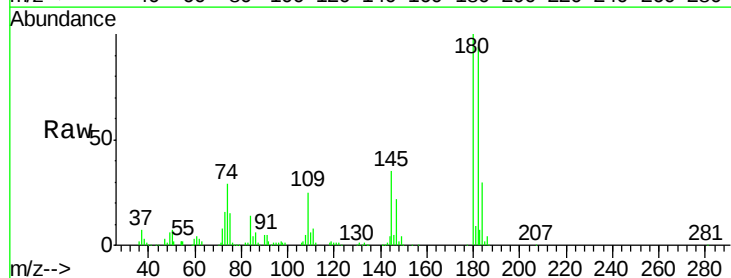
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 52.092 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW008346.D
Acq: 17 Jan 2019 23:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	34.4	16.2	48.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

