

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008548.D
 Acq On : 07 Feb 2019 13:14
 Operator : SY/VA
 Sample : K1385-03MSD
 Misc : 8.98G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:38:45 PM

Quant Time: Feb 08 22:50:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	488626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	744288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	609944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	240654	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	288665	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
35) Dibromofluoromethane	7.88	113	255205	58.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.28%	
50) Toluene-d8	10.32	98	947558	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
62) 4-Bromofluorobenzene	12.62	95	292969	43.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	130191	46.360	ug/l	94
3) Chloromethane	2.21	50	191329	47.970	ug/l	99
4) Vinyl Chloride	2.36	62	267834	52.751	ug/l	97
5) Bromomethane	2.78	94	211929	64.714	ug/l	98
6) Chloroethane	2.92	64	208800	67.243	ug/l	97
7) Trichlorofluoromethane	3.25	101	232852	52.470	ug/l	96
8) Diethyl Ether	3.67	74	144953	59.486	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	233861	52.917	ug/l	97
10) Methyl Iodide	4.26	142	368053	52.726	ug/l	100
11) Tert butyl alcohol	5.17	59	122918	318.046	ug/l	98
12) 1,1-Dichloroethene	4.03	96	223853	50.051	ug/l	98
13) Acrolein	3.89	56	47938	142.419	ug/l	97
14) Allyl chloride	4.65	41	406020	47.807	ug/l	99
15) Acrylonitrile	5.36	53	332673	316.164	ug/l	99
16) Acetone	4.12	43	399930	371.001	ug/l	99
17) Carbon Disulfide	4.37	76	567826	39.752	ug/l	100
18) Methyl Acetate	4.66	43	485834	168.975	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	454639	61.438	ug/l	96
20) Methylene Chloride	4.90	84	305896	61.568	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	237296	47.193	ug/l	99
22) Diisopropyl ether	6.31	45	817627	50.797	ug/l	98
23) Vinyl Acetate	6.26	43	295741	31.117	ug/l	98
24) 1,1-Dichloroethane	6.21	63	472574	51.869	ug/l	99
25) 2-Butanone	7.17	43	488809	326.463	ug/l	99
26) 2,2-Dichloropropane	7.16	77	308028	50.017	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	284248	51.871	ug/l	98
28) Bromochloromethane	7.51	49	224083	53.548	ug/l	95
29) Tetrahydrofuran	7.52	42	306914	323.465	ug/l	97
30) Chloroform	7.67	83	481780	53.761	ug/l	97
31) Cyclohexane	7.95	56	380322	40.370	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	399761	51.647	ug/l	98
36) 1,1-Dichloropropene	8.07	75	344157	48.951	ug/l	99
37) Ethyl Acetate	7.24	43	129587	41.661	ug/l	98
38) Carbon Tetrachloride	8.06	117	378505	53.500	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008548.D
 Acq On : 07 Feb 2019 13:14
 Operator : SY/VA
 Sample : K1385-03MSD
 Misc : 8.98G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:38:45 PM

Quant Time: Feb 08 22:50:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	363841	39.394	ug/l	100
40) Benzene	8.32	78	1028022	52.694	ug/l	98
41) Methacrylonitrile	7.48	41	126071	68.450	ug/l	98
42) 1,2-Dichloroethane	8.40	62	328630	58.127	ug/l	100
43) Isopropyl Acetate	8.42	43	306035	47.357	ug/l	95
44) Trichloroethene	9.09	130	302170	56.958	ug/l	99
45) 1,2-Dichloropropane	9.37	63	265312	54.542	ug/l	95
46) Dibromomethane	9.46	93	144749	57.855	ug/l	97
47) Bromodichloromethane	9.64	83	365346	55.208	ug/l	97
48) Methyl methacrylate	9.43	41	214882	68.005	ug/l	96
49) 1,4-Dioxane	9.45	88	53151	1256.816	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1060508	332.181	ug/l	99
52) Toluene	10.38	92	636422	49.418	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	356769	50.665	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	409005	51.182	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	208321	60.030	ug/l	99
56) Ethyl methacrylate	10.65	69	225804	46.436	ug/l	97
57) 1,3-Dichloropropane	10.93	76	362345	58.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	726283	307.405	ug/l	98
59) 2-Hexanone	10.97	43	750624	333.046	ug/l	99
60) Dibromochloromethane	11.13	129	251633	56.425	ug/l	99
61) 1,2-Dibromoethane	11.23	107	194554	56.540	ug/l	100
64) Tetrachloroethene	10.86	164	398024	96.381	ug/l	97
65) Chlorobenzene	11.66	112	659770	52.989	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	263886	59.237	ug/l	98
67) Ethyl Benzene	11.73	91	1194073	52.172	ug/l	100
68) m/p-Xylenes	11.84	106	899898	101.338	ug/l	98
69) o-Xylene	12.16	106	450311	53.370	ug/l	96
70) Styrene	12.18	104	668184	47.943	ug/l	98
71) Bromoform	12.35	173	152963	61.028	ug/l	99
73) Isopropylbenzene	12.46	105	1169966	65.211	ug/l	99
74) N-amyl acetate	12.27	43	197748	42.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	209415	73.726	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	170971m	81.714	ug/l	
77) Bromobenzene	12.75	156	253689	64.746	ug/l	99
78) n-propylbenzene	12.80	91	1263512	58.636	ug/l	99
79) 2-Chlorotoluene	12.90	91	739651	60.828	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	917650	61.194	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	76935	72.624	ug/l	92
82) 4-Chlorotoluene	12.99	91	716672	55.358	ug/l	98
83) tert-Butylbenzene	13.21	119	801607	60.070	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	930720	61.062	ug/l	100
85) sec-Butylbenzene	13.38	105	1051434	55.171	ug/l	100
86) p-Isopropyltoluene	13.50	119	934566	55.983	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	423313	53.495	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	407893	51.868	ug/l	100
89) n-Butylbenzene	13.83	91	721299	44.006	ug/l	98
90) Hexachloroethane	14.10	117	180355	55.245	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	398877	56.968	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	41719	77.409	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
Data File : VW008548.D
Acq On : 07 Feb 2019 13:14
Operator : SY/VA
Sample : K1385-03MSD
Misc : 8.98G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM

Quant Time: Feb 08 22:50:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	164865	32.996	ug/l	99
94) Hexachlorobutadiene	15.24	225	83514	27.734	ug/l	99
95) Naphthalene	15.37	128	430275	49.045	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	144717	34.144	ug/l	97

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

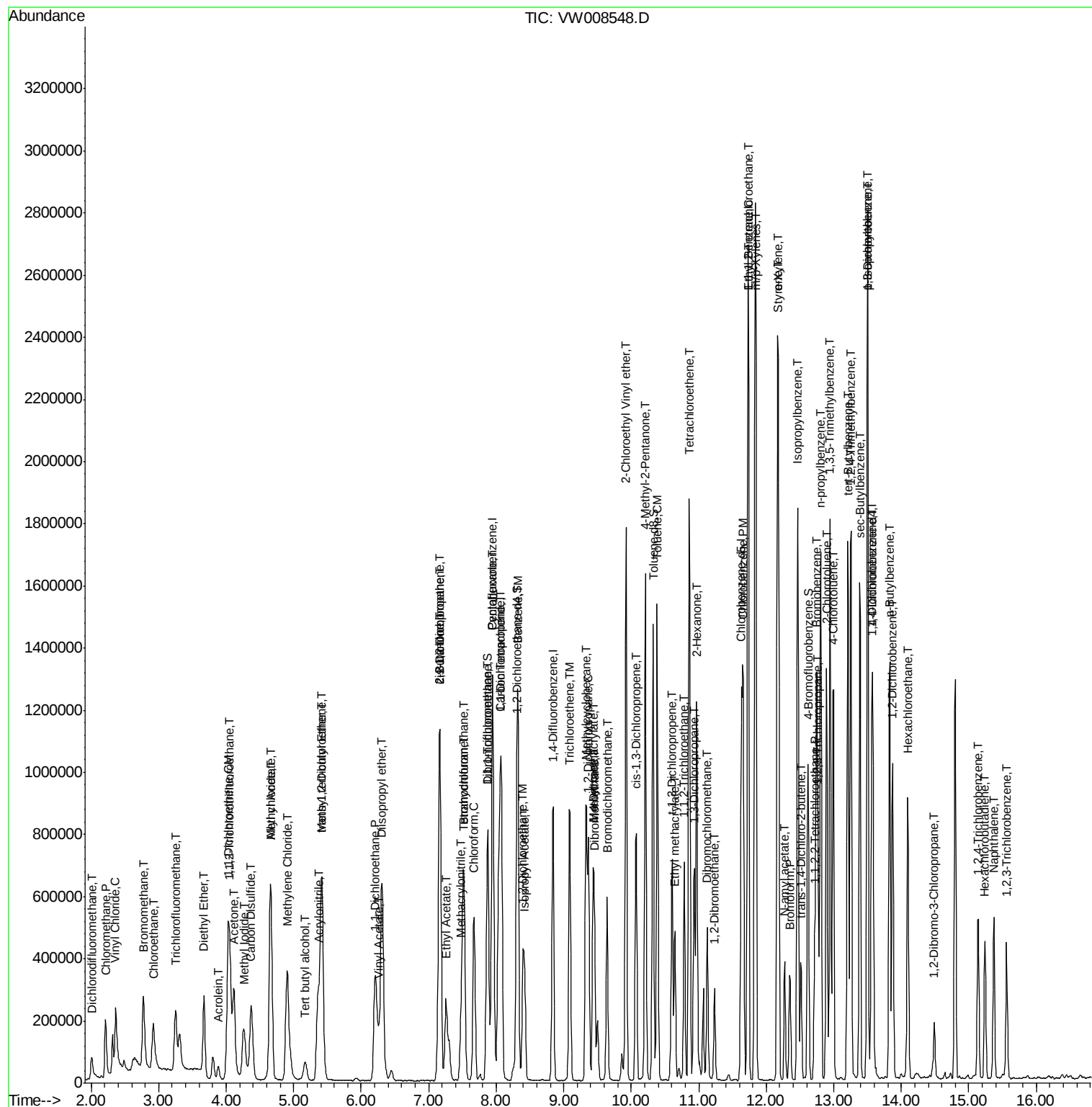
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020719\
 Data File : VW008548.D
 Acq On : 07 Feb 2019 13:14
 Operator : SY/VA
 Sample : K1385-03MSD
 Misc : 8.98G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

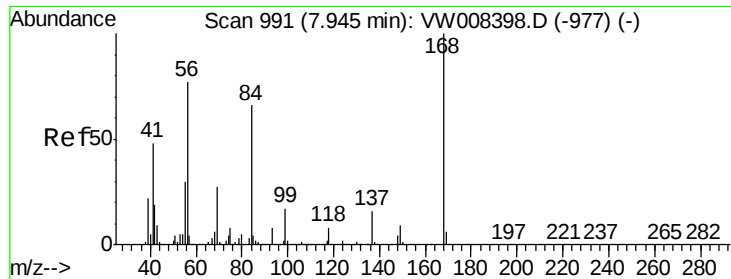
Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 12:38:45 PM

Quant Time: Feb 08 22:50:18 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:168 Resp: 488626

Ion Ratio Lower Upper

168 100

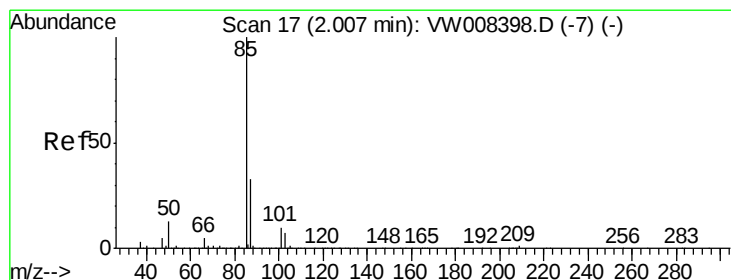
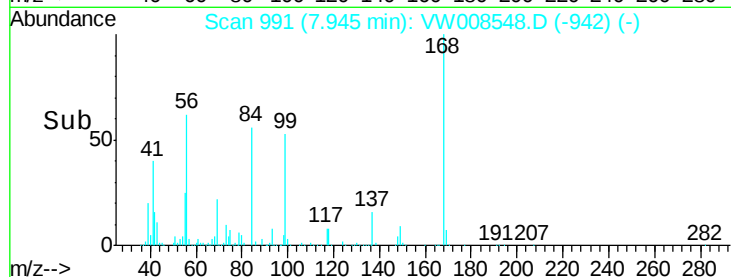
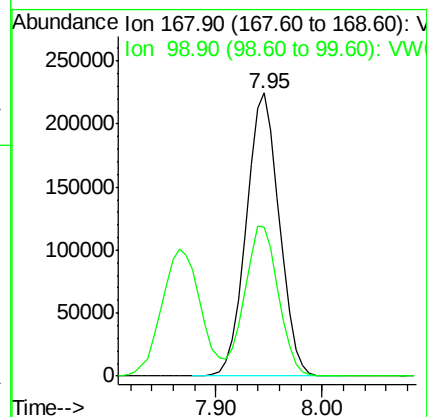
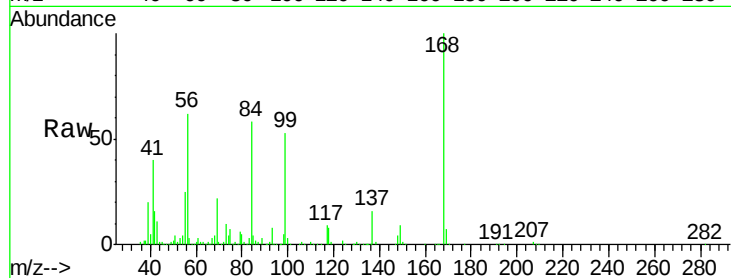
99 52.8 45.5 68.3

Manual Integrations

APPROVED

MMDadoda

2/11/2019 12:38:45 PM



#2

Dichlorodifluoromethane

Concen: 46.360 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008548.D

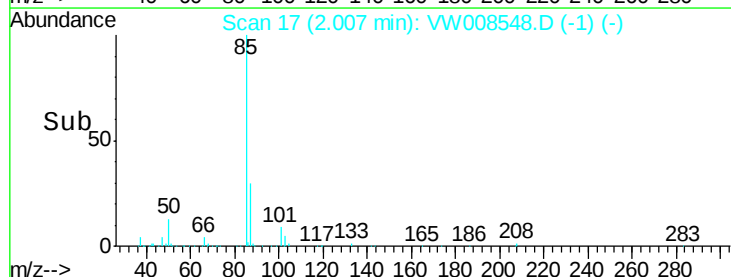
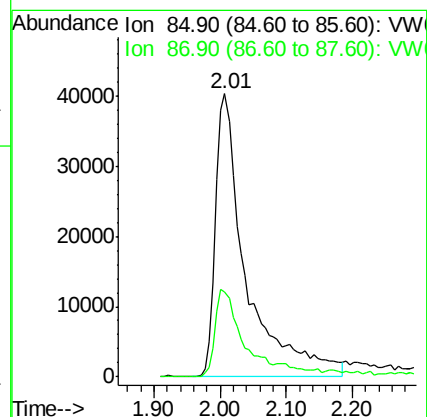
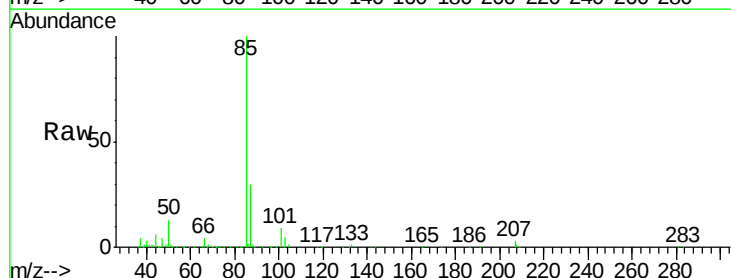
Acq: 07 Feb 2019 13:14

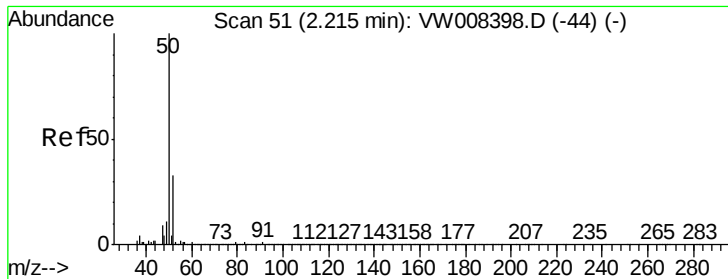
Tgt Ion: 85 Resp: 130191

Ion Ratio Lower Upper

85 100

87 30.0 16.7 50.1





#3

Chloromethane

Concen: 47.970 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion: 50 Resp: 191329

Ion Ratio Lower Upper

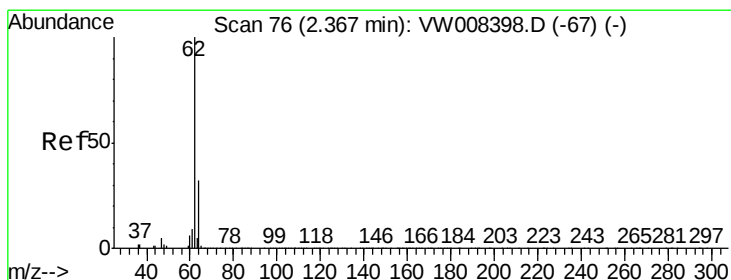
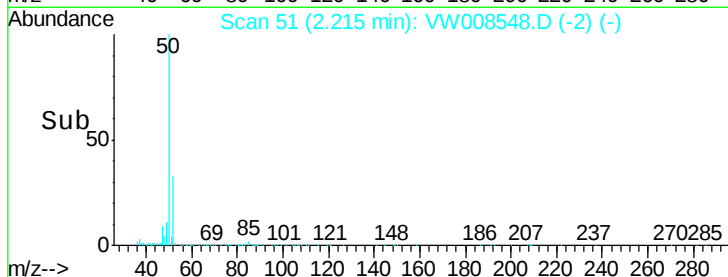
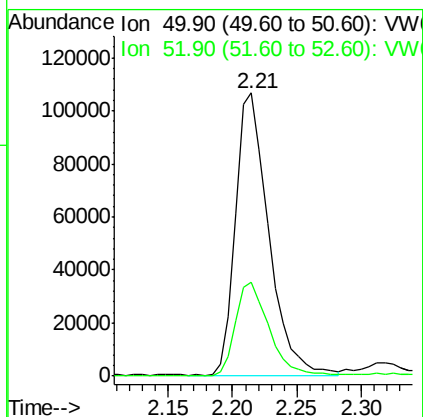
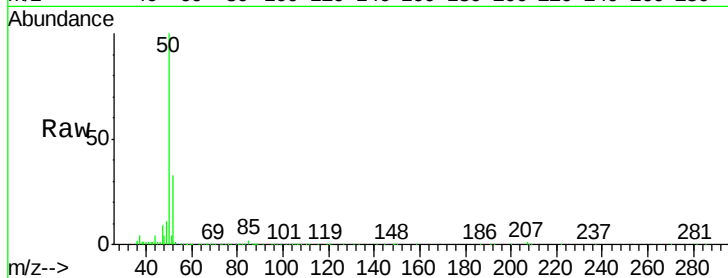
50 100

52 33.3 26.3 39.5

Manual Integrations
APPROVED

MMDadoda

2/11/2019 12:38:45 PM



#4

Vinyl Chloride

Concen: 52.751 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008548.D

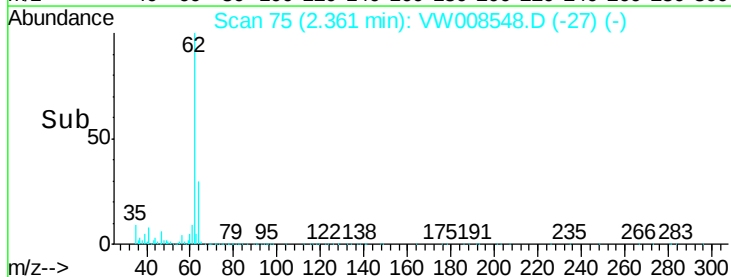
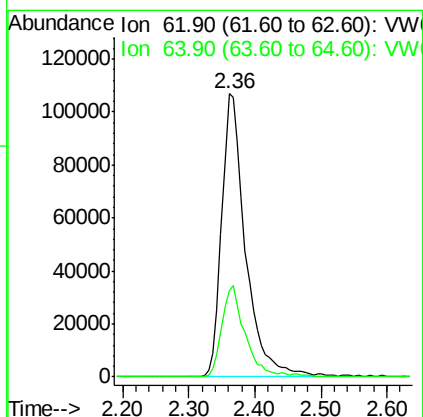
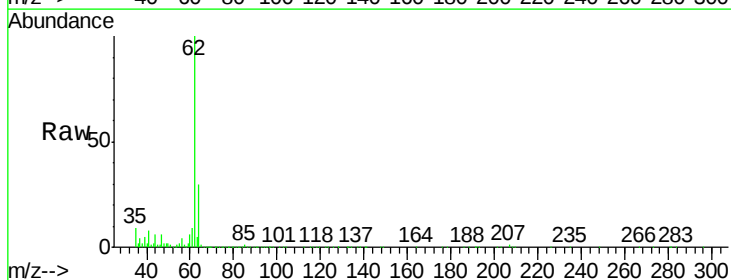
Acq: 07 Feb 2019 13:14

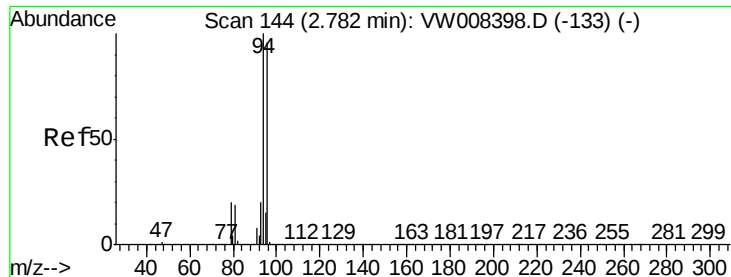
Tgt Ion: 62 Resp: 267834

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3





#5

Bromomethane

Concen: 64.714 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion: 94 Resp: 211929

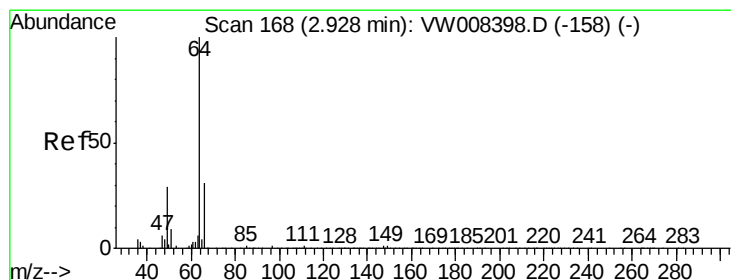
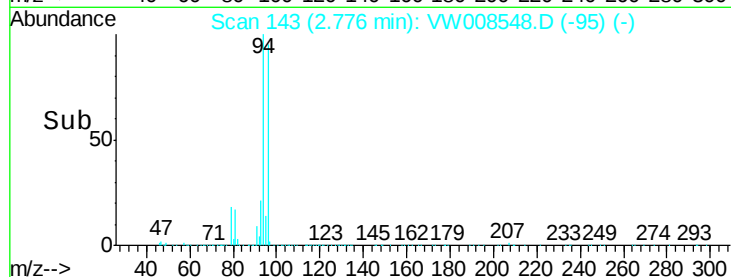
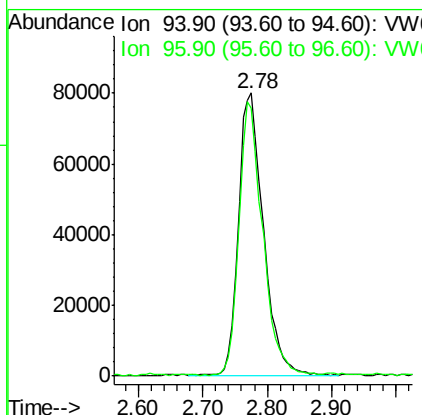
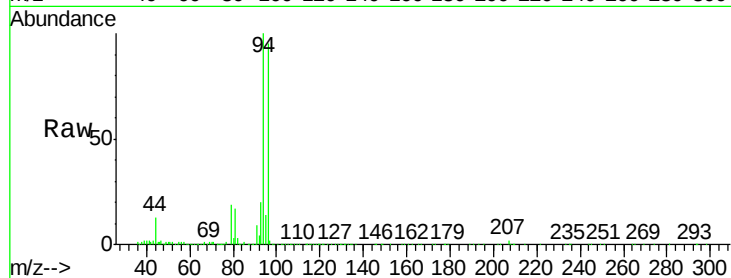
Ion Ratio Lower Upper

94 100

96 94.3 77.2 115.8

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#6

Chloroethane

Concen: 67.243 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008548.D

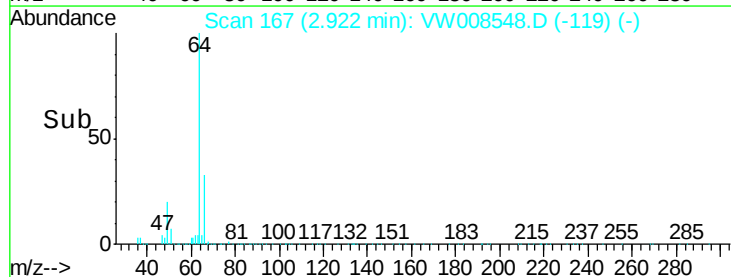
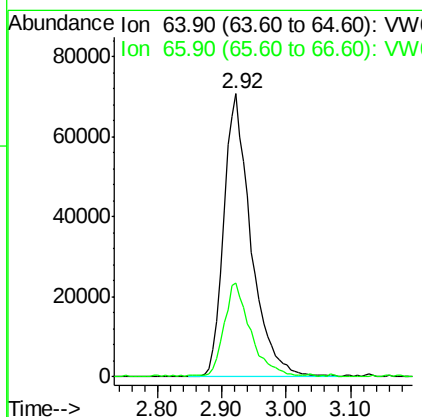
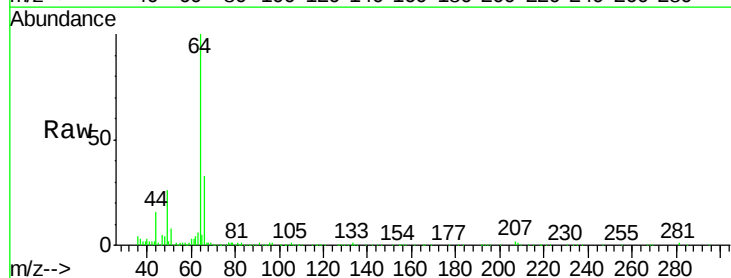
Acq: 07 Feb 2019 13:14

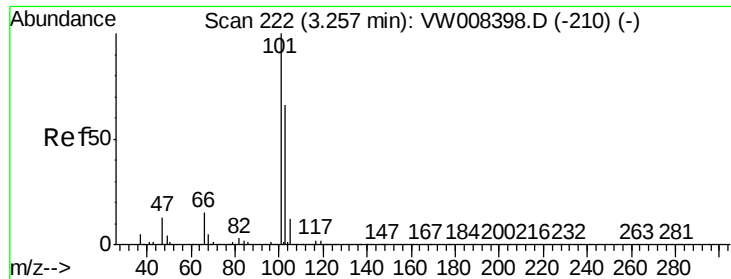
Tgt Ion: 64 Resp: 208800

Ion Ratio Lower Upper

64 100

66 33.0 24.9 37.3





#7

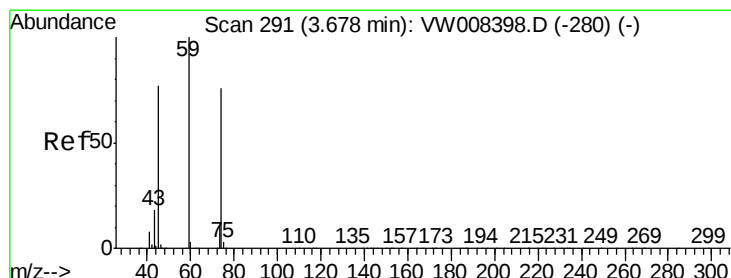
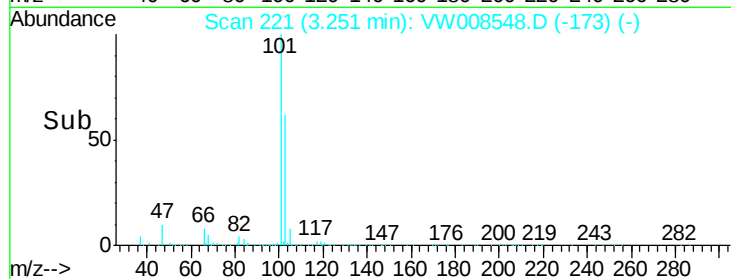
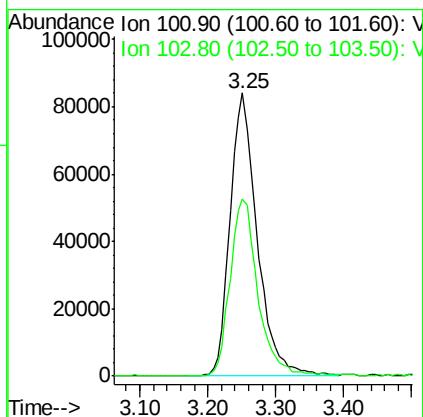
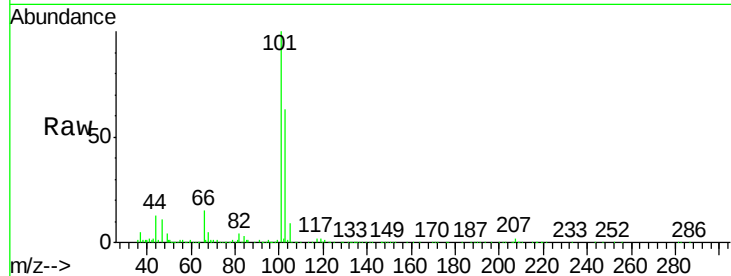
Trichlorofluoromethane
 Concen: 52.470 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.5	78.7

Manual Integrations
 APPROVED

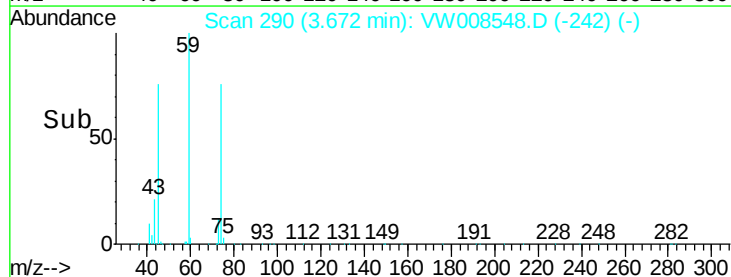
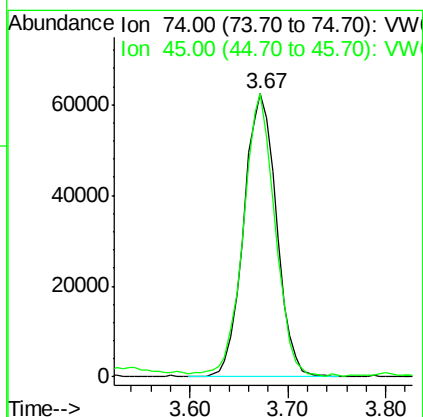
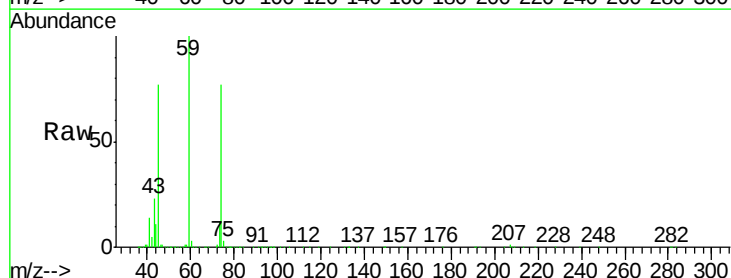
MMDadoda
 2/11/2019 12:38:45 PM



#8

Diethyl Ether
 Concen: 59.486 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.917 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

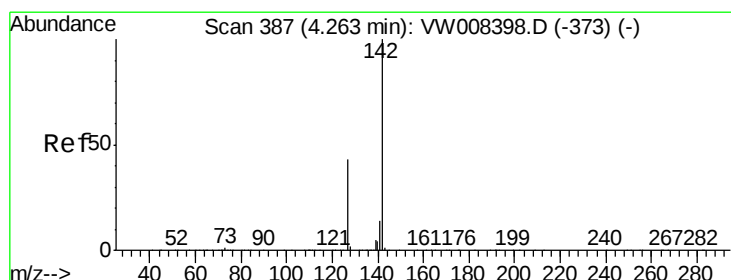
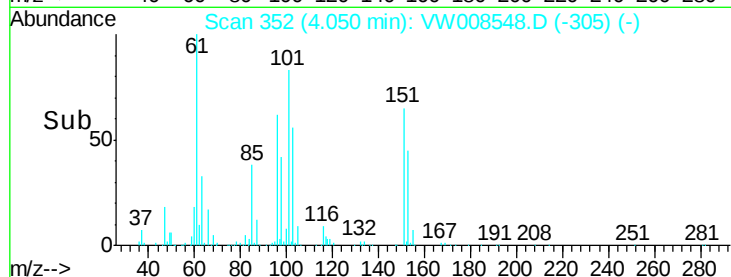
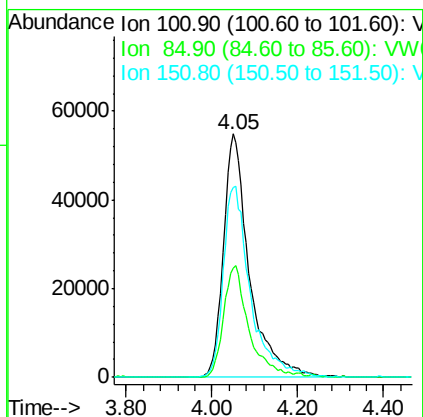
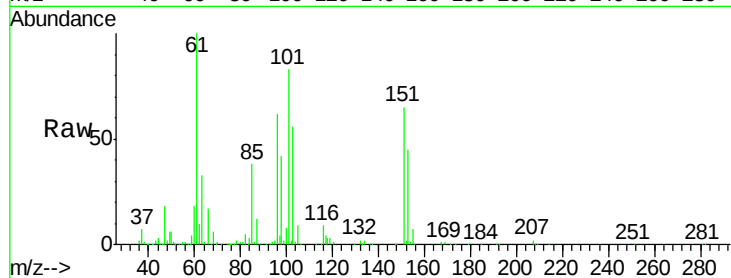
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	101	Resp:	233861
Ion Ratio	Lower	Upper	
101	100		
85	44.7	35.0	52.4
151	82.0	62.6	94.0

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#10

Methyl Iodide

Concen: 52.726 ug/l

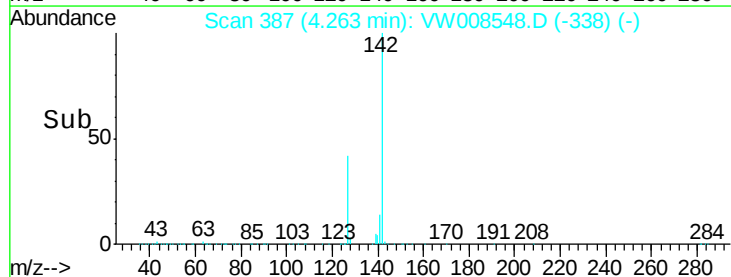
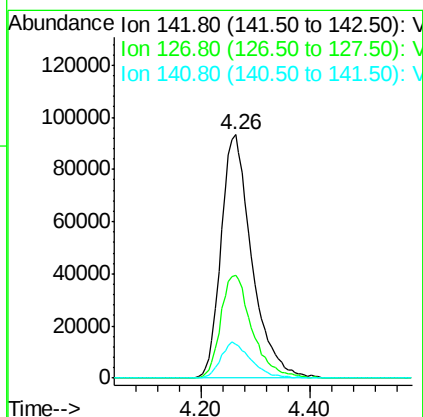
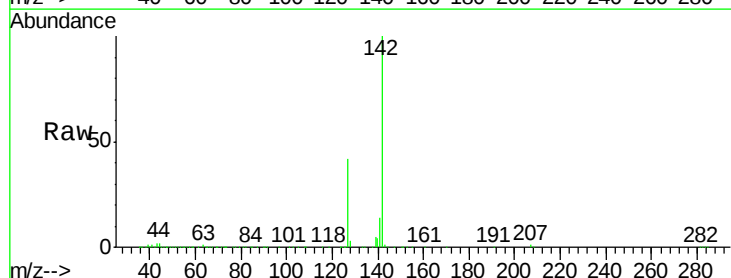
RT: 4.26 min Scan# 387

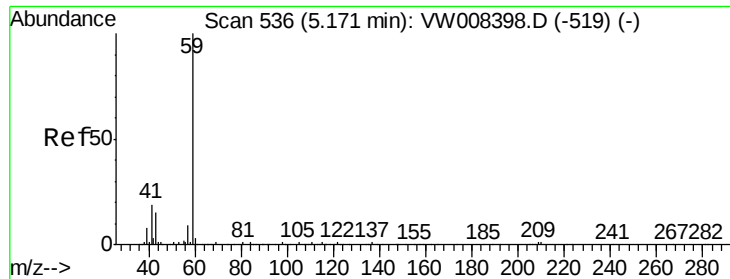
Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	142	Resp:	368053
Ion Ratio	Lower	Upper	
142	100		
127	43.0	34.6	52.0
141	14.4	11.4	17.2





#11

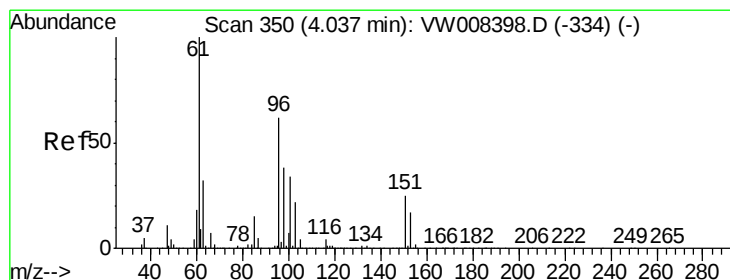
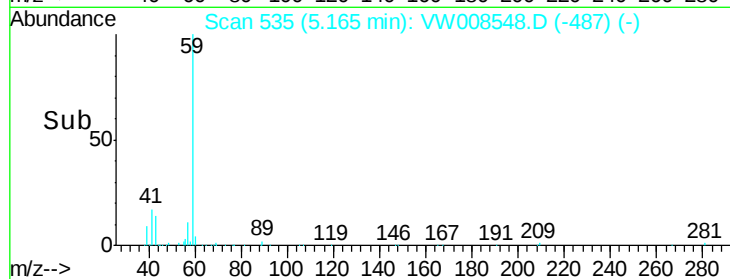
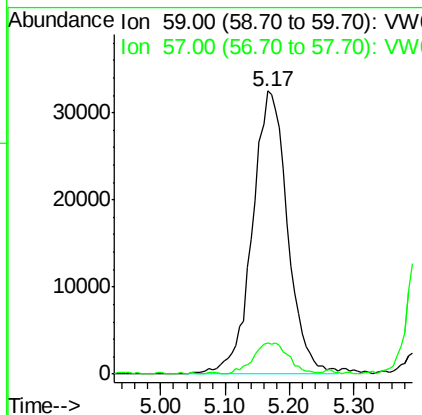
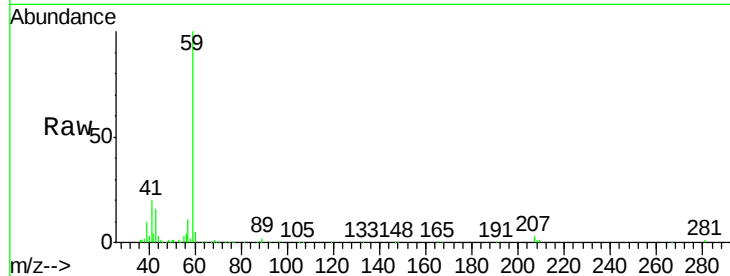
Tert butyl alcohol
Concen: 318.046 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	59	Resp	122918
Ion Ratio	100	Lower	Upper
57	10.8	9.3	13.9

Manual Integrations
APPROVED

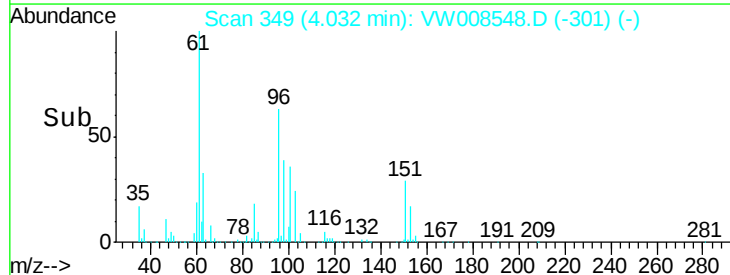
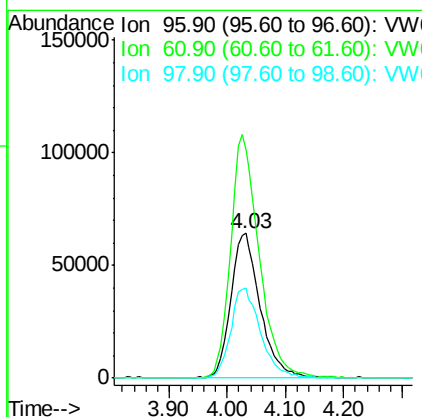
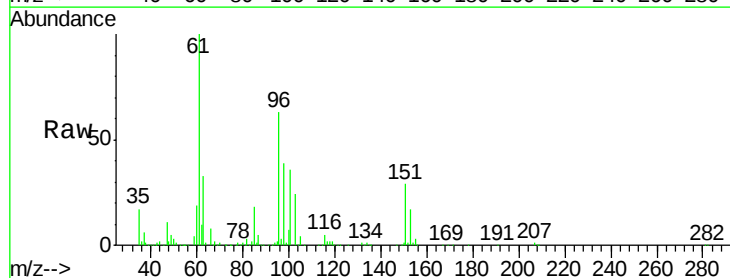
MMDadoda
2/11/2019 12:38:45 PM

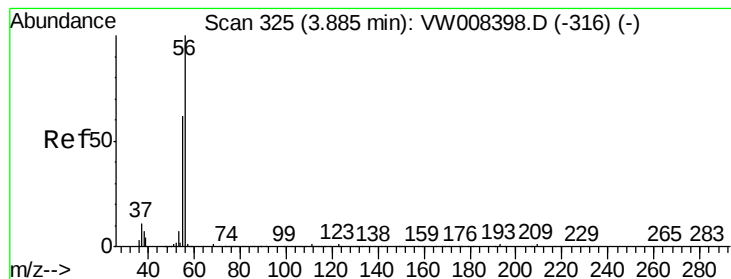


#12

1,1-Dichloroethene
Concen: 50.051 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	96	Resp	223853
Ion Ratio	100	Lower	Upper
61	158.4	129.5	194.3
98	62.4	48.6	73.0





#13

Acrolein

Concen: 142.419 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion: 56 Resp: 47938

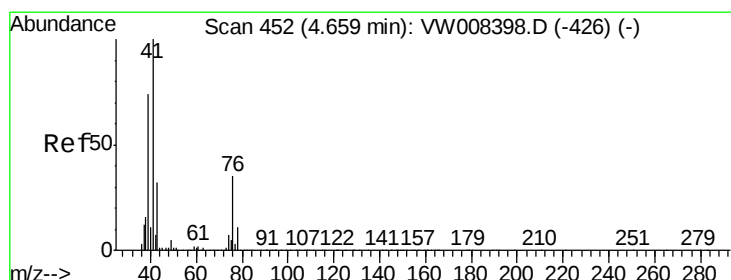
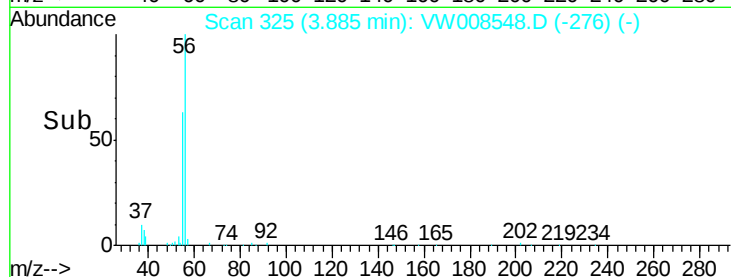
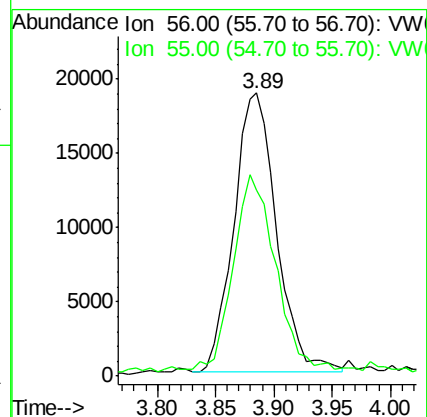
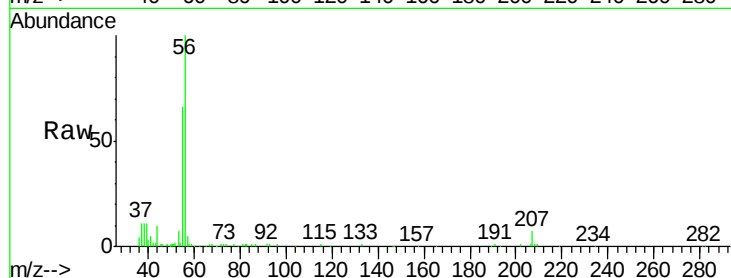
Ion Ratio Lower Upper

56 100

55 68.7 56.7 85.1

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#14

Allyl chloride

Concen: 47.807 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

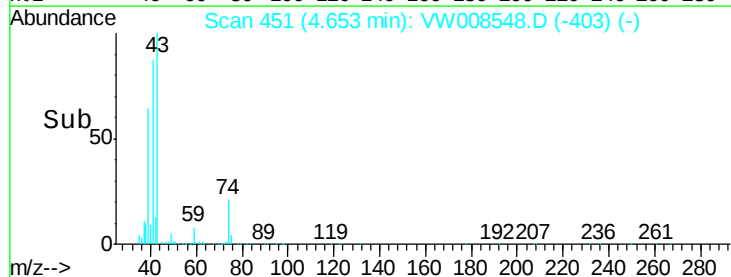
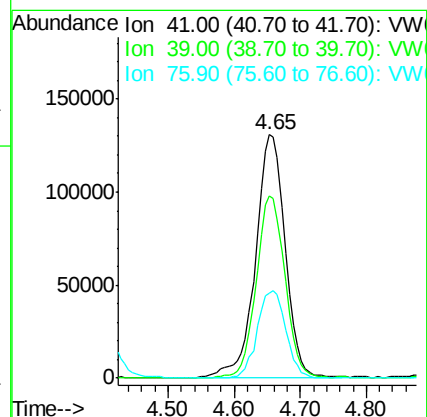
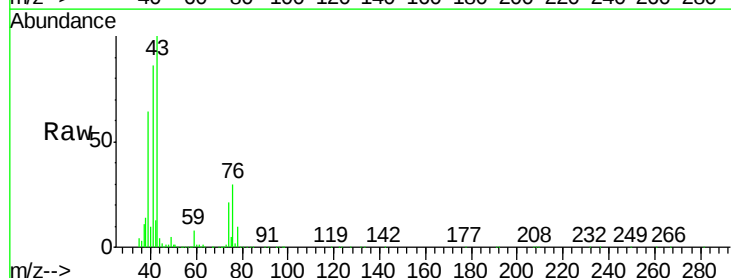
Tgt Ion: 41 Resp: 406020

Ion Ratio Lower Upper

41 100

39 72.8 57.7 86.5

76 34.6 26.9 40.3





#15

Acrylonitrile

Concen: 316.164 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

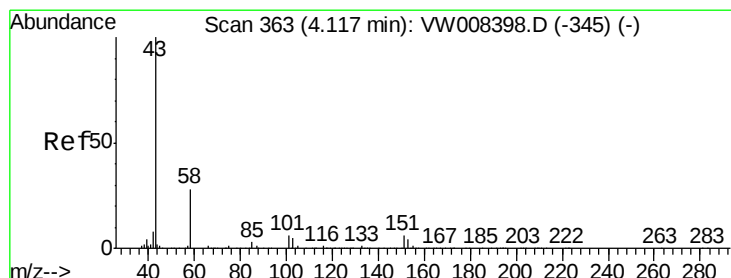
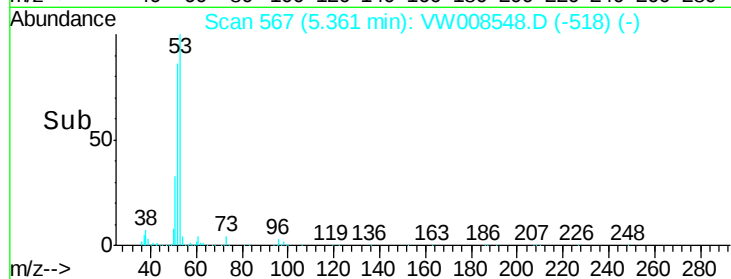
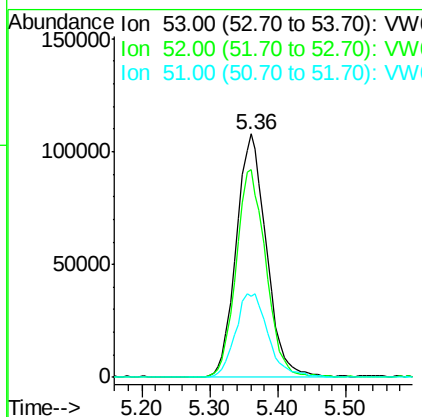
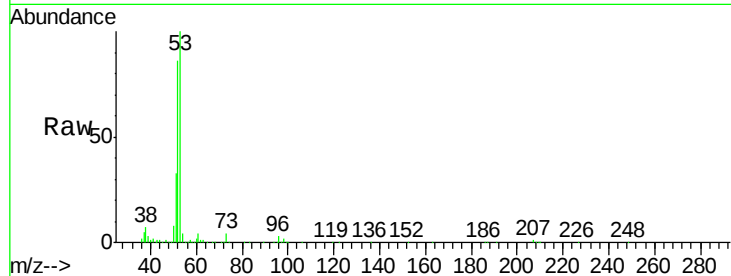
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	53	Resp:	332673
Ion Ratio	Lower	Upper	
53	100		
52	84.3	67.0	100.4
51	37.6	29.8	44.8

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#16

Acetone

Concen: 371.001 ug/l

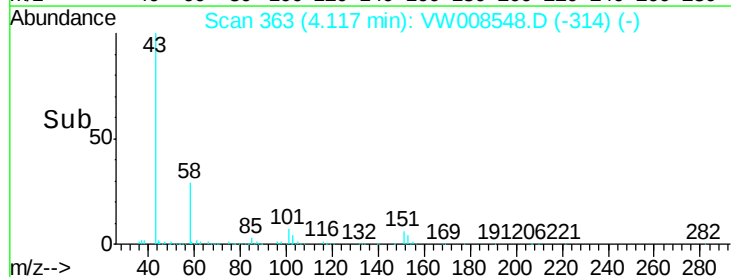
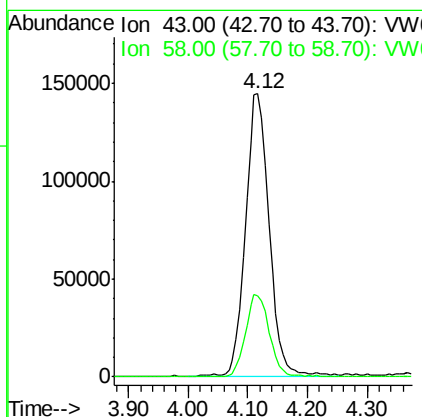
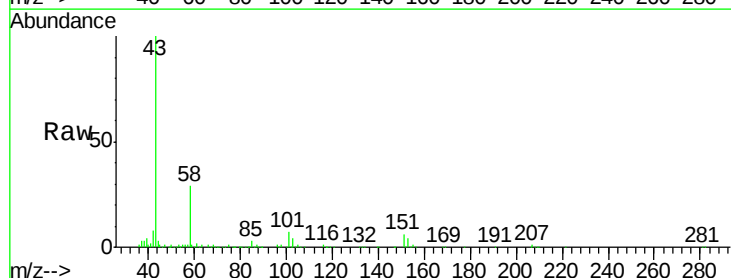
RT: 4.12 min Scan# 363

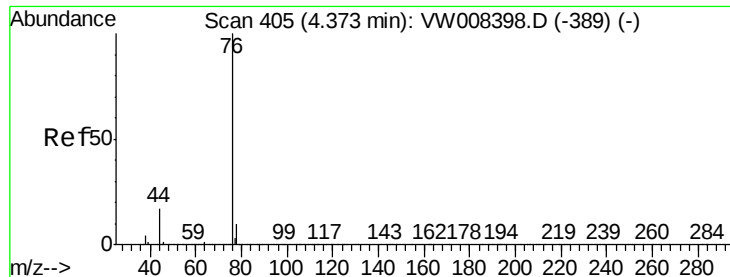
Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	43	Resp:	399930
Ion Ratio	Lower	Upper	
43	100		
58	28.9	22.6	34.0





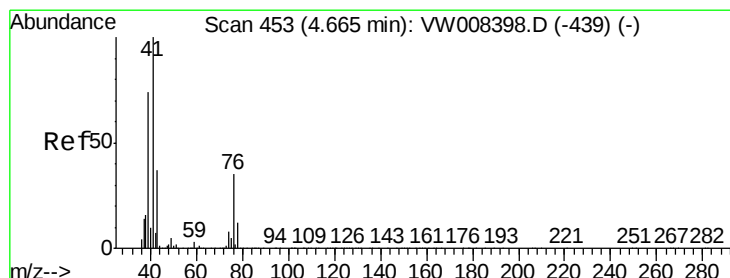
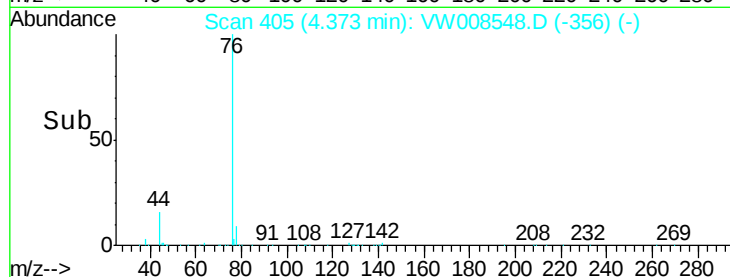
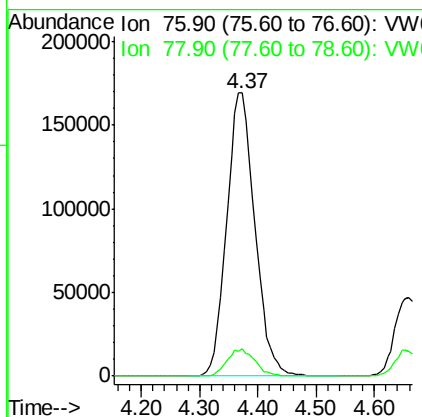
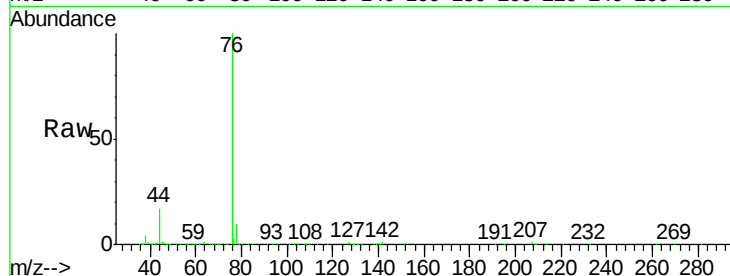
#17
Carbon Disulfide
Concen: 39.752 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.7	11.5

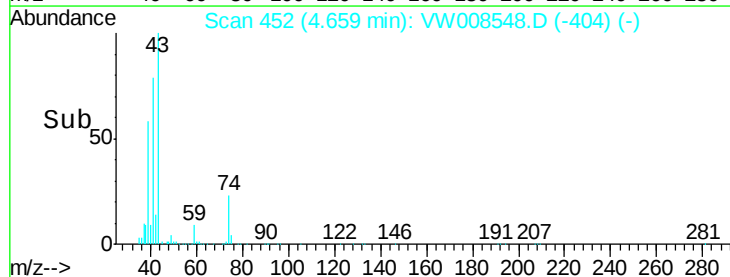
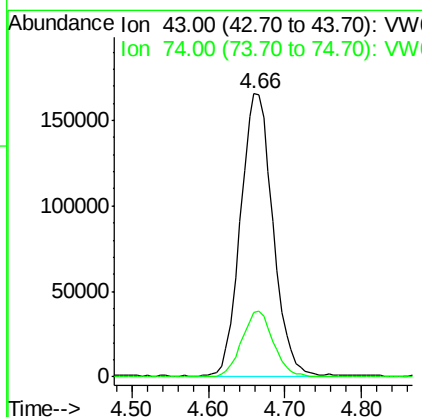
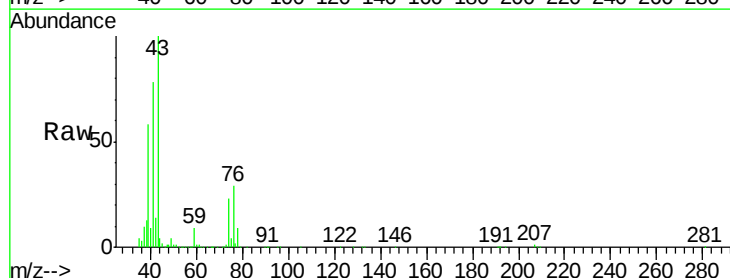
Manual Integrations
APPROVED

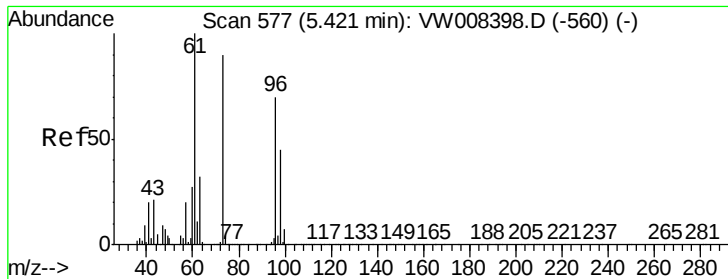
MMDadoda
2/11/2019 12:38:45 PM



#18
Methyl Acetate
Concen: 168.975 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.5	26.3





#19

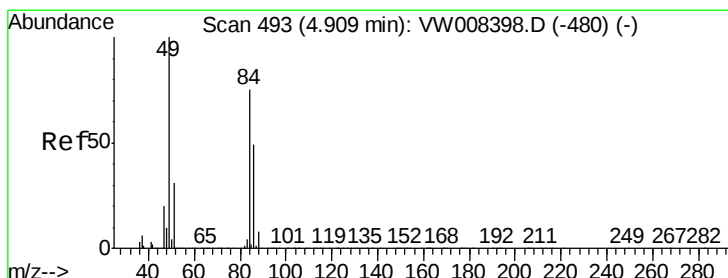
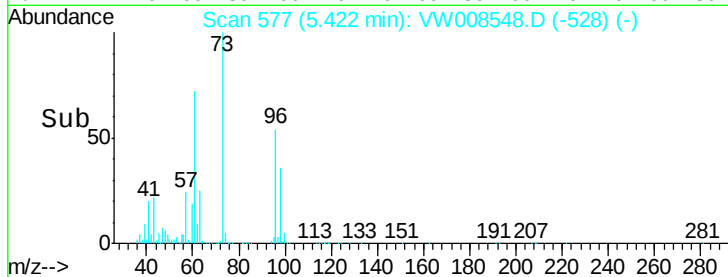
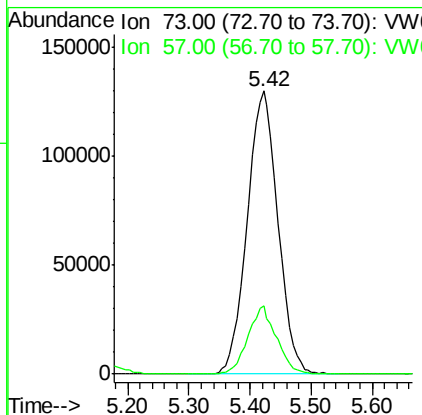
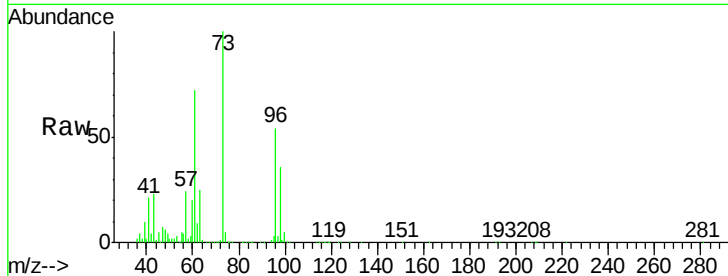
Methyl tert-butyl Ether
 Concen: 61.438 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	18.0	27.0

Manual Integrations
 APPROVED

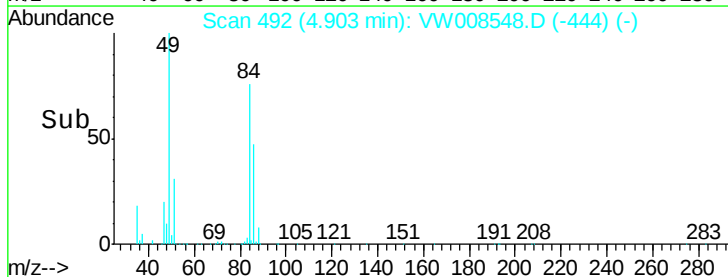
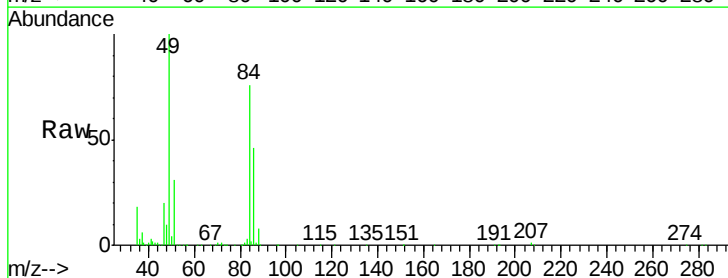
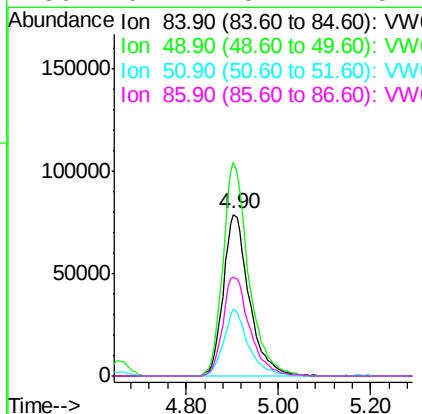
MMDadoda
 2/11/2019 12:38:45 PM

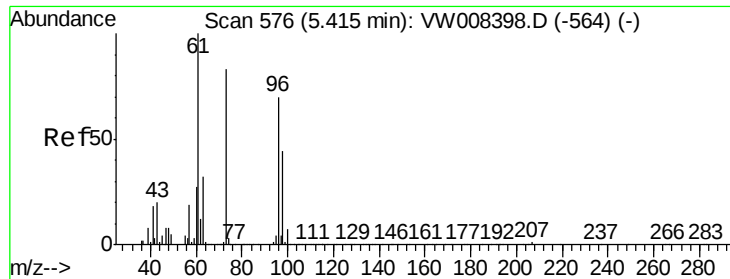


#20

Methylene Chloride
 Concen: 61.568 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	132.3	106.8	160.2
51	41.4	32.9	49.3
86	61.4	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 47.193 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

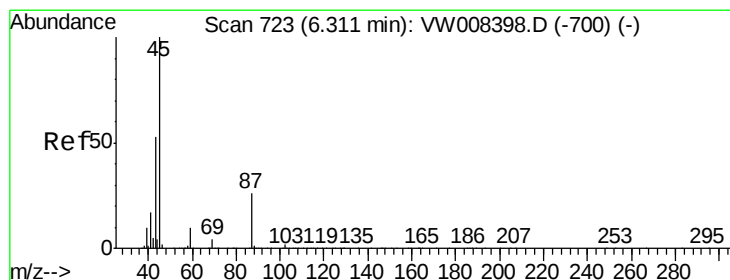
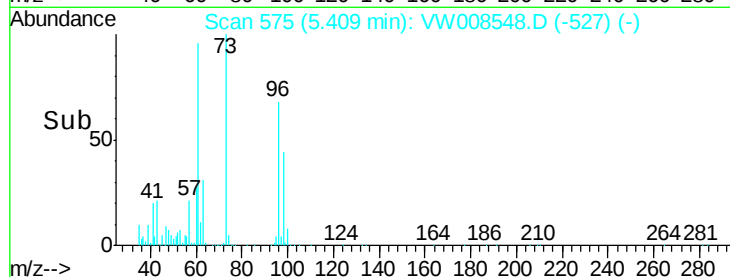
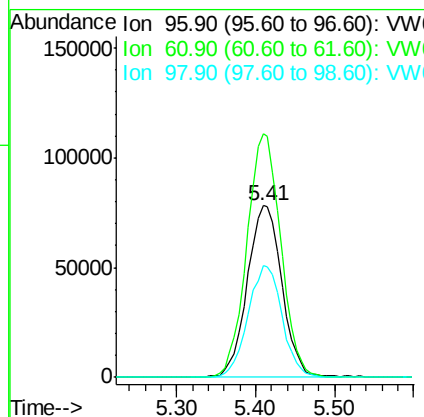
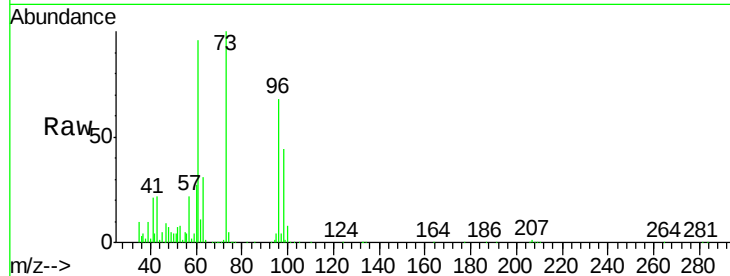
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	96	Resp:	237296
Ion Ratio	Lower	Upper	
96	100		
61	142.0	114.4	171.6
98	65.0	50.6	75.8

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#22

Diisopropyl ether

Concen: 50.797 ug/l

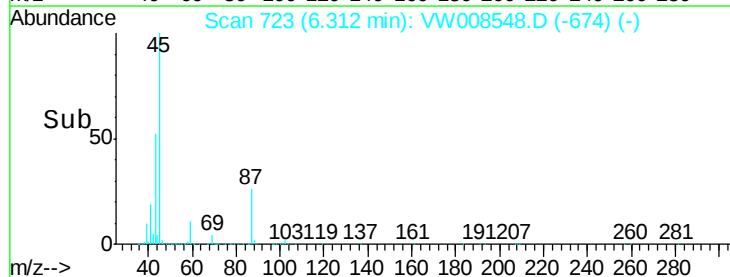
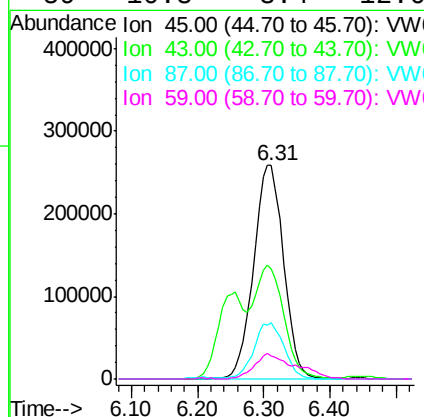
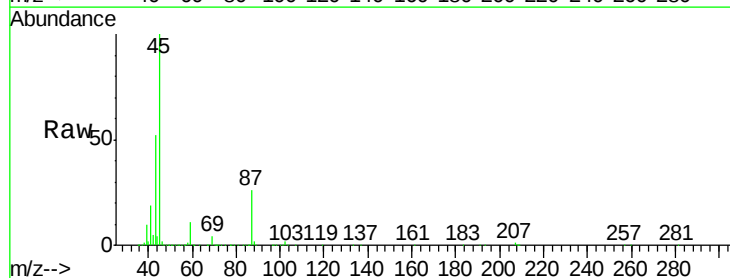
RT: 6.31 min Scan# 723

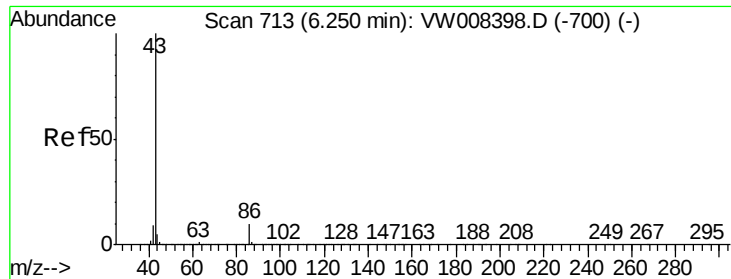
Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	45	Resp:	817627
Ion Ratio	Lower	Upper	
45	100		
43	51.6	42.6	63.8
87	26.2	20.3	30.5
59	10.8	8.4	12.6





#23

Vinyl Acetate

Concen: 31.117 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion: 43 Resp: 295741

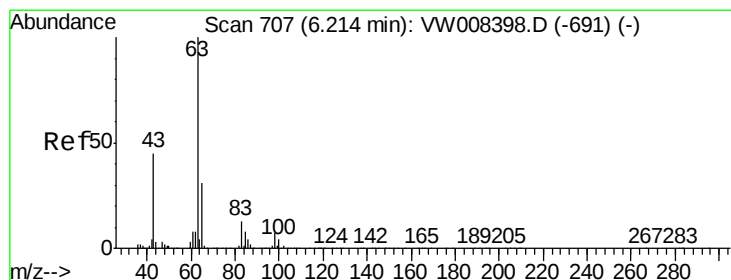
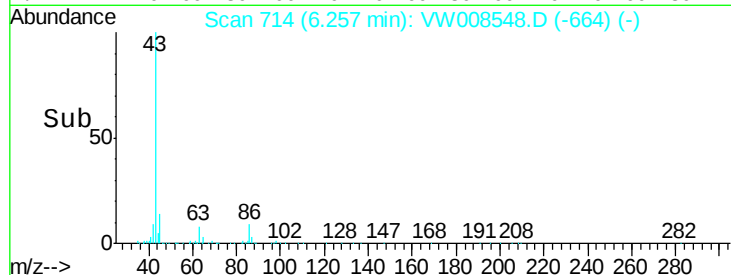
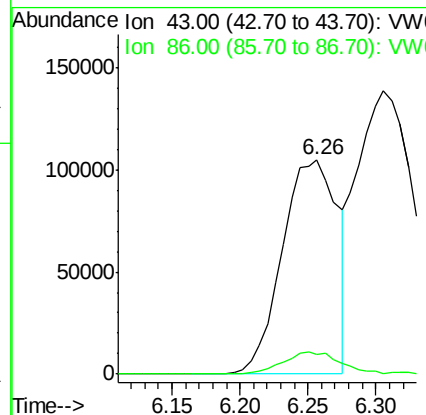
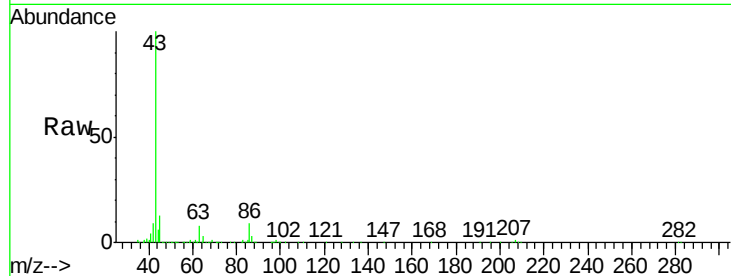
Ion Ratio Lower Upper

43 100

86 9.2 7.8 11.8

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#24

1,1-Dichloroethane

Concen: 51.869 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

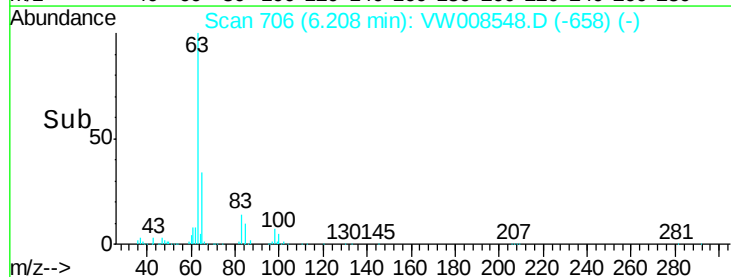
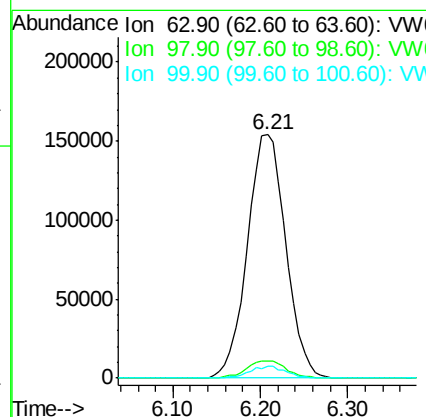
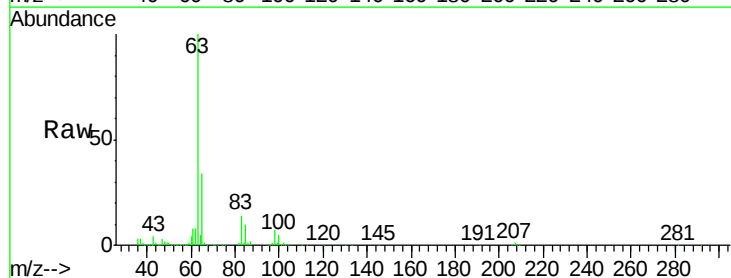
Tgt Ion: 63 Resp: 472574

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.7 2.1 6.2





#25

2-Butanone

Concen: 326.463 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion: 43 Resp: 488809

Ion Ratio Lower Upper

43 100

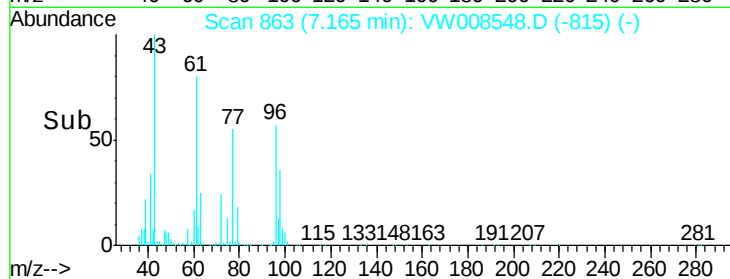
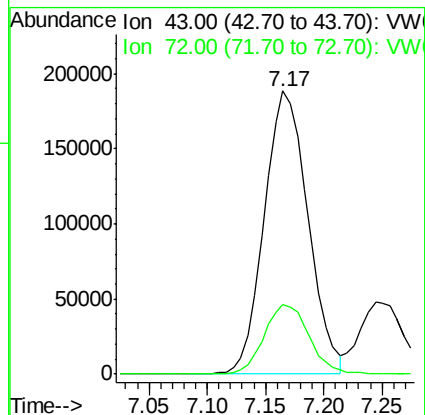
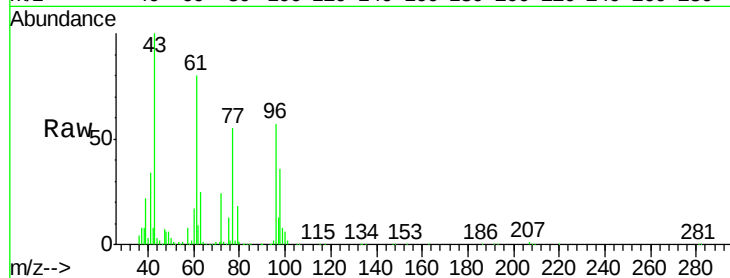
72 24.4 20.1 30.1

Manual Integrations

APPROVED

MMDadoda

2/11/2019 12:38:45 PM



#26

2,2-Dichloropropane

Concen: 50.017 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008548.D

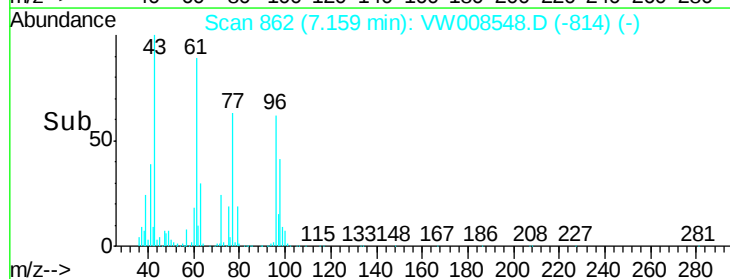
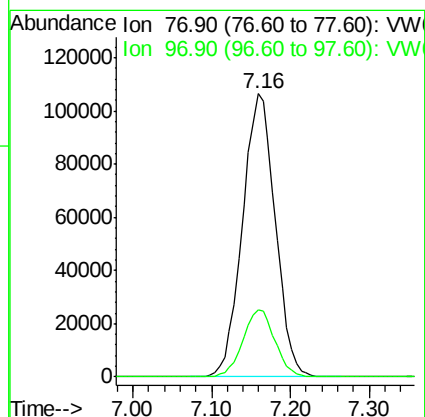
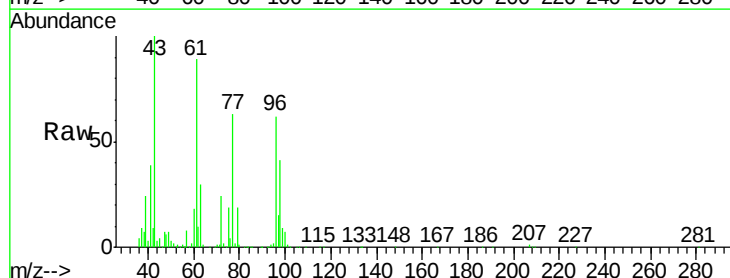
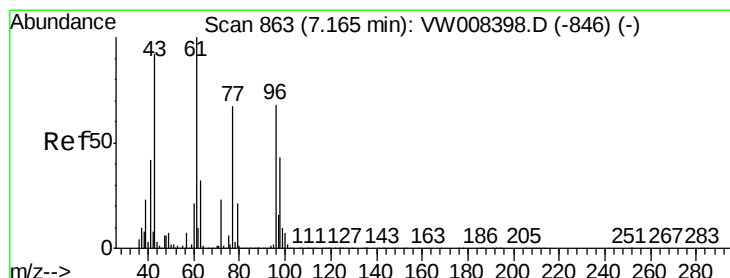
Acq: 07 Feb 2019 13:14

Tgt Ion: 77 Resp: 308028

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5





#27

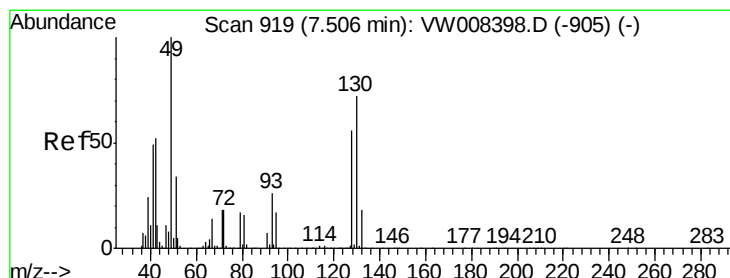
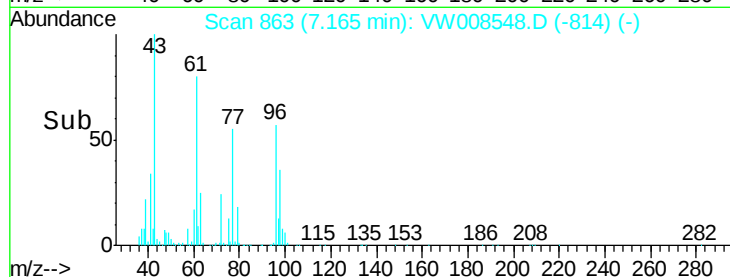
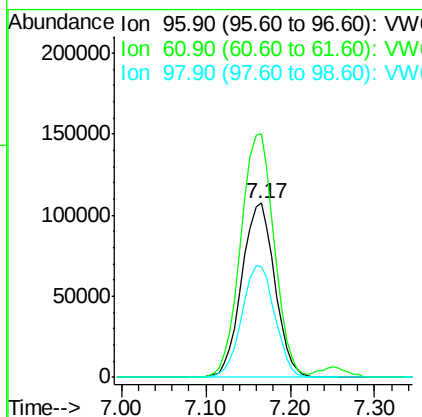
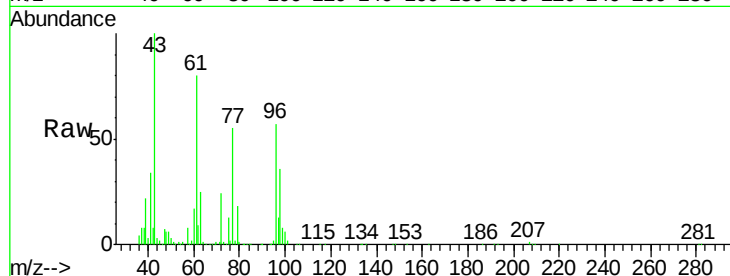
cis-1,2-Dichloroethene
Concen: 51.871 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	284248		
61	142.4	0.0	292.8	
98	64.4	0.0	129.2	

Manual Integrations
APPROVED

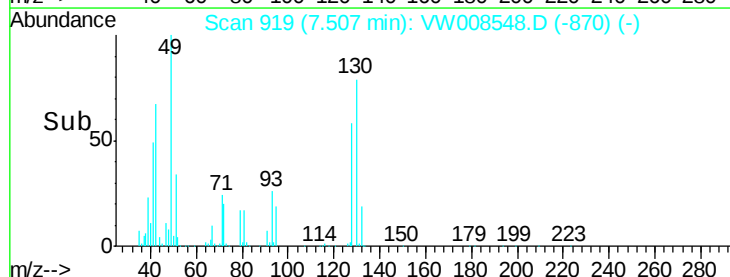
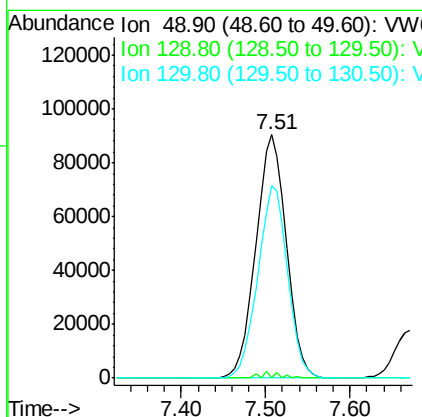
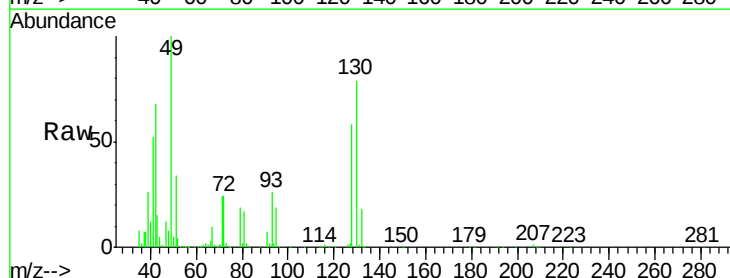
MMDadoda
2/11/2019 12:38:45 PM

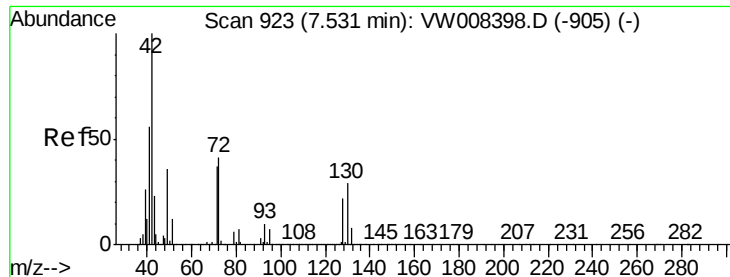


#28

Bromochloromethane
Concen: 53.548 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	224083		
129	0.6	0.0	4.6	
130	77.3	58.6	87.8	





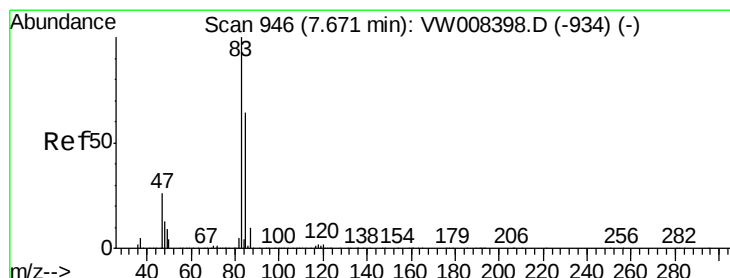
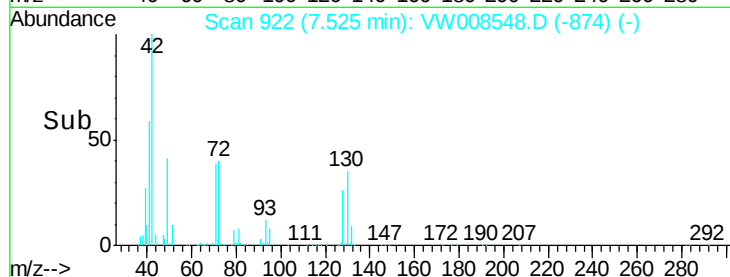
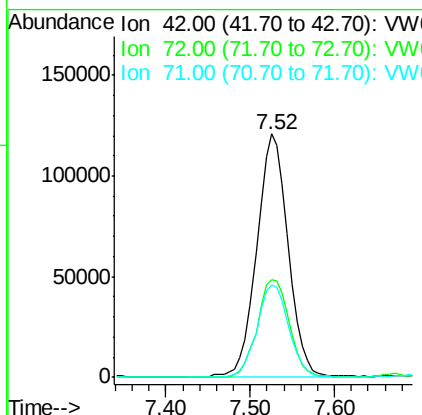
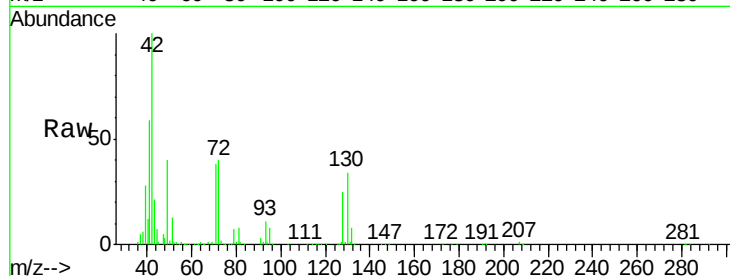
#29
Tetrahydrofuran
Concen: 323.465 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	31.9	47.9
71	39.0	29.9	44.9

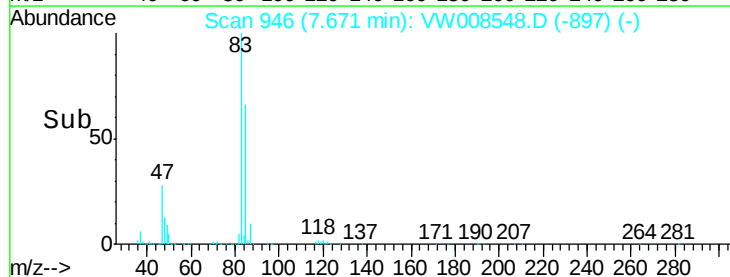
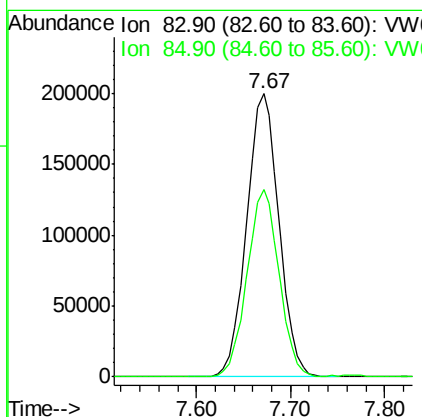
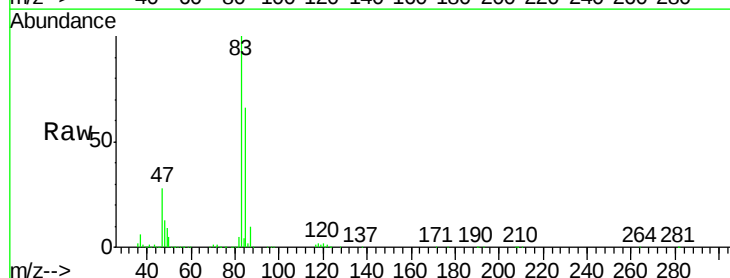
Manual Integrations
APPROVED

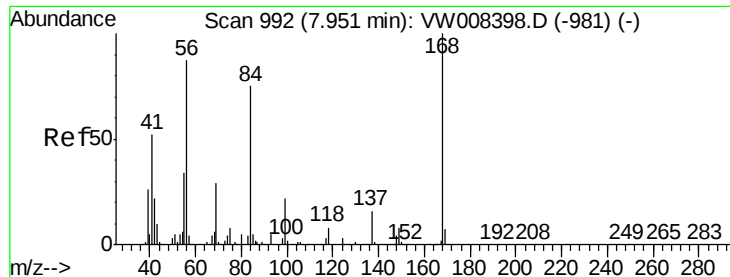
MMDadoda
2/11/2019 12:38:45 PM



#30
Chloroform
Concen: 53.761 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	50.9	76.3





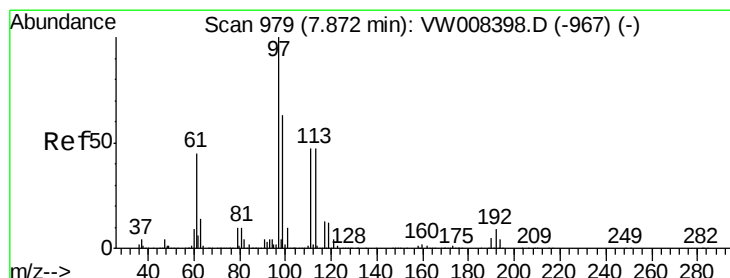
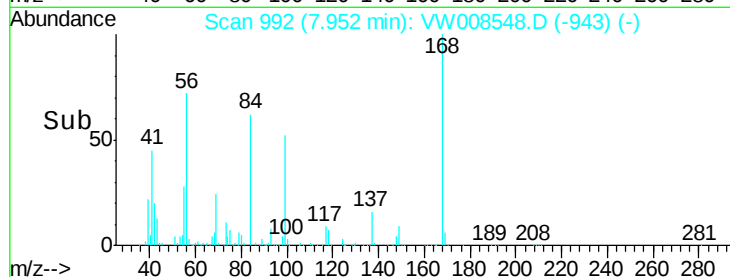
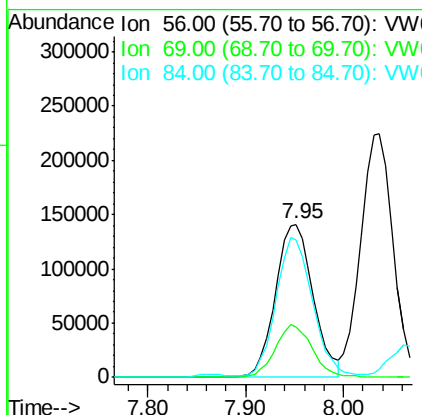
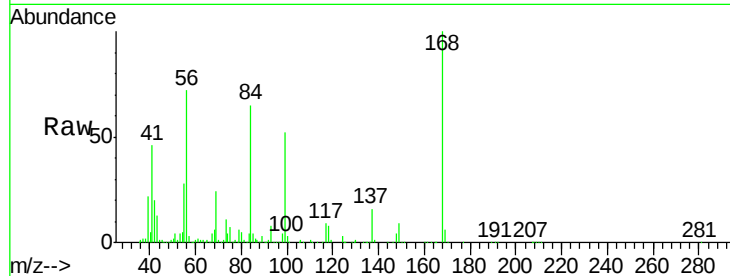
#31
Cyclohexane
Concen: 40.370 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.4	39.6
84	88.9	69.1	103.7

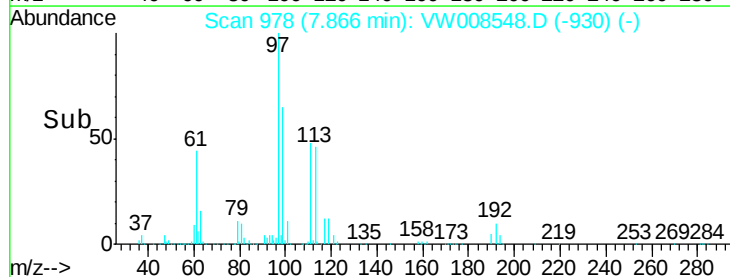
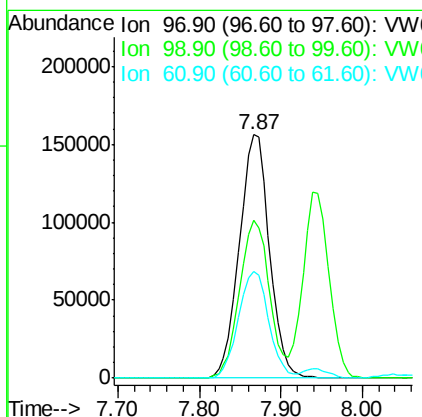
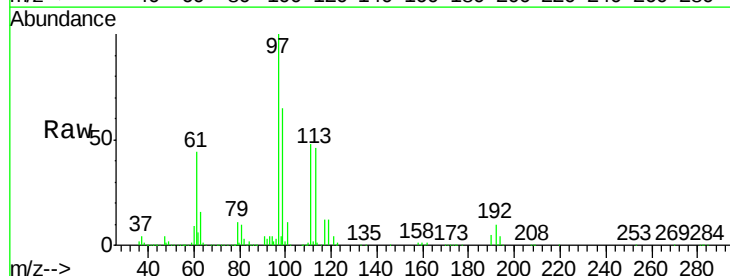
Manual Integrations
APPROVED

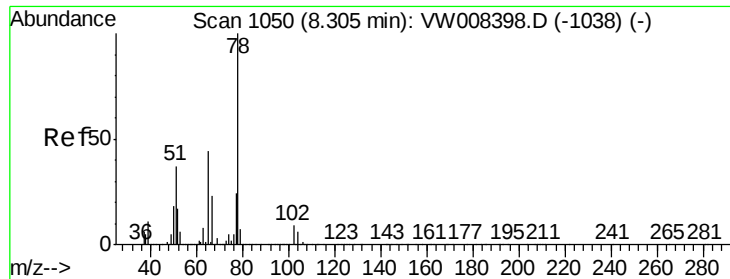
MMDadoda
2/11/2019 12:38:45 PM



#32
1,1,1-Trichloroethane
Concen: 51.647 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	44.1	36.2	54.4





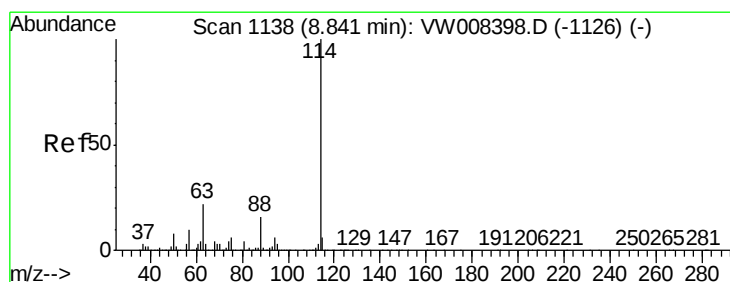
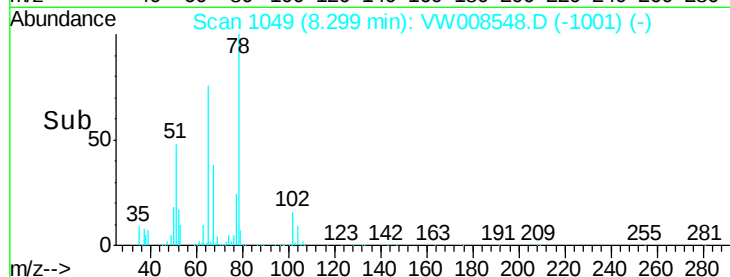
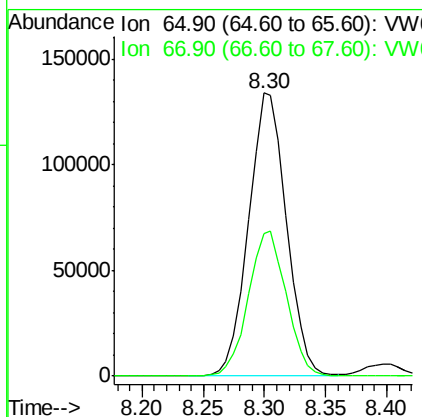
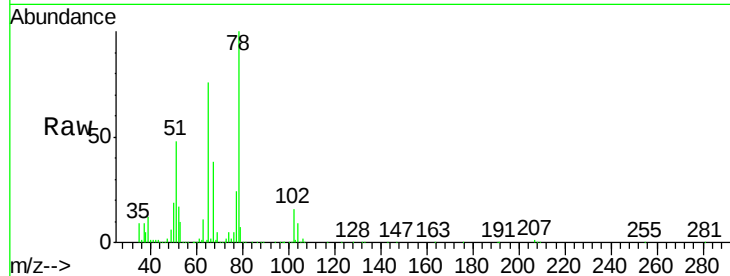
#33
 1,2-Dichloroethane-d4
 Concen: 60.135 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	288665		
67	51.7	0.0	104.0	

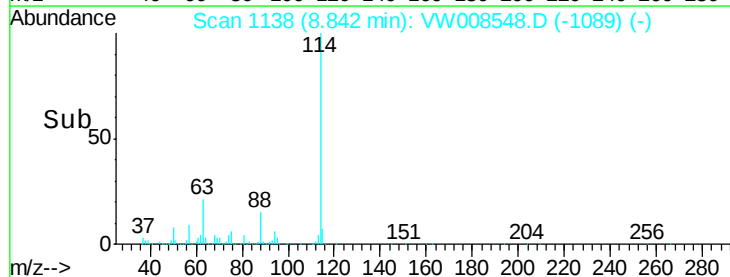
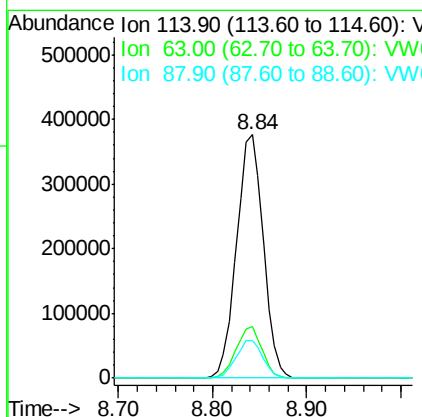
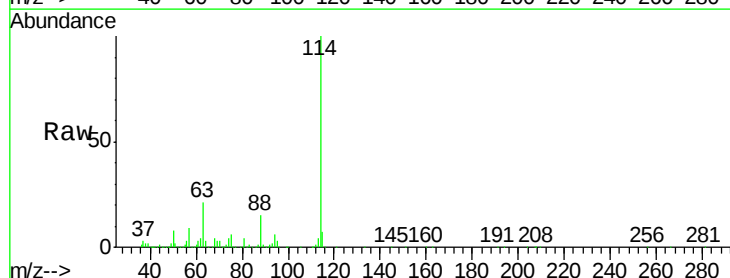
Manual Integrations
 APPROVED

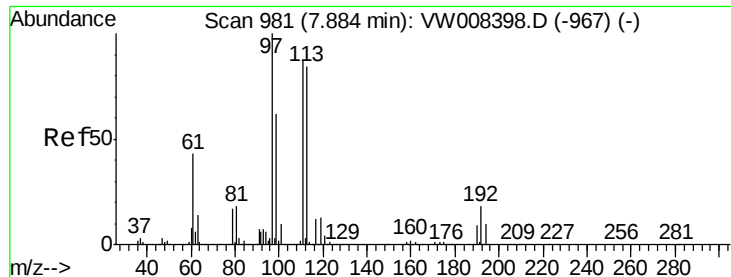
MMDadoda
 2/11/2019 12:38:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	744288		
63	21.0	0.0	43.6	
88	15.2	0.0	31.8	





#35

Dibromofluoromethane

Concen: 58.639 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

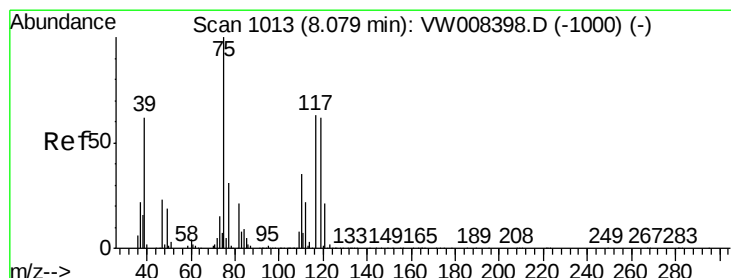
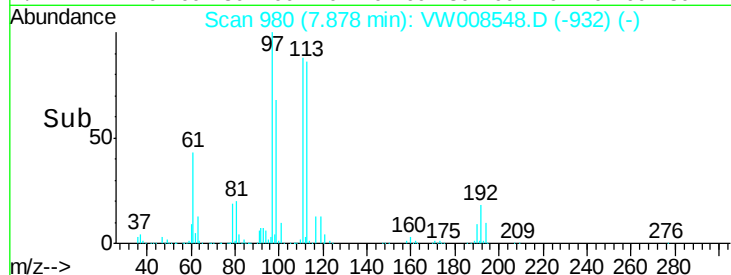
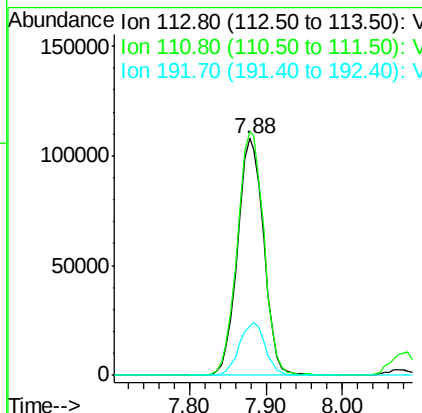
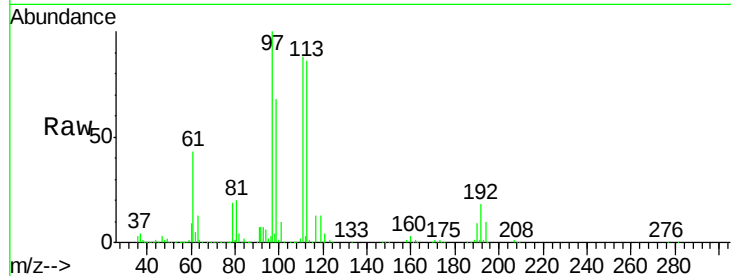
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	113	Resp:	255205
Ion Ratio	Lower	Upper	
113	100		
111	104.2	81.0	121.4
192	22.2	16.8	25.2

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#36

1,1-Dichloropropene

Concen: 48.951 ug/l

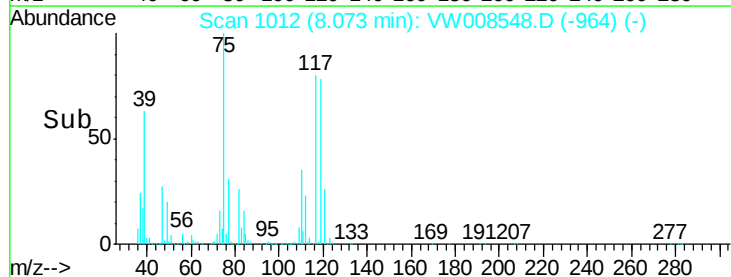
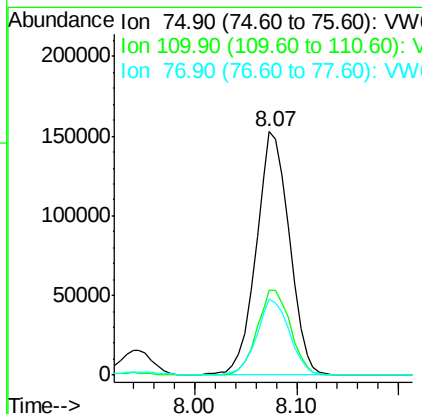
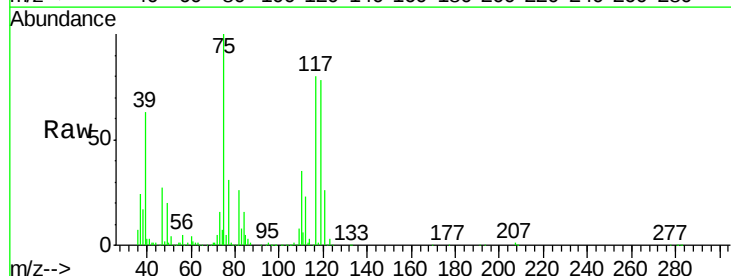
RT: 8.07 min Scan# 1012

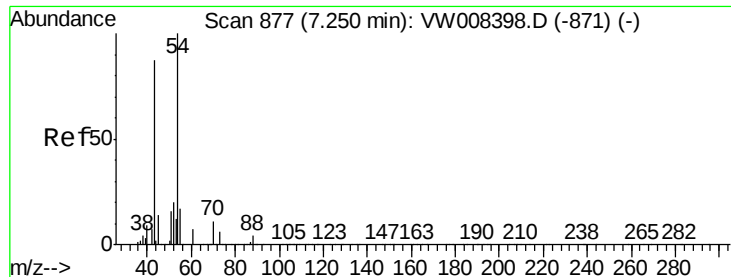
Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	75	Resp:	344157
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.3	52.0
77	31.0	24.7	37.1





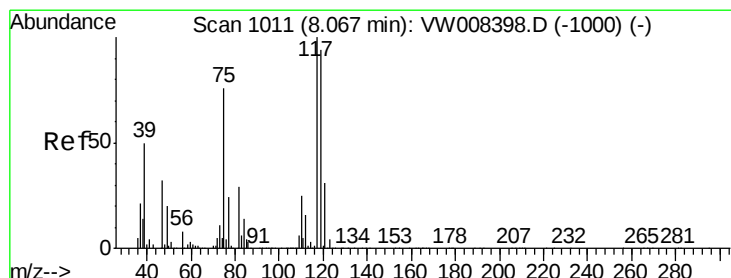
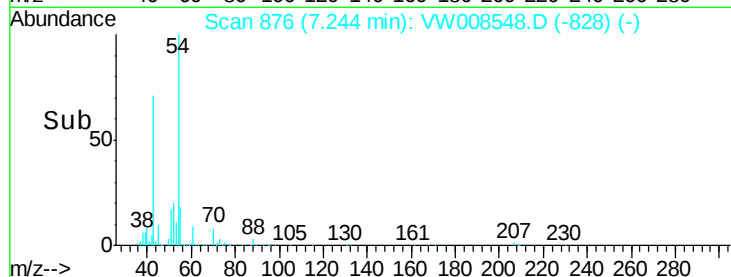
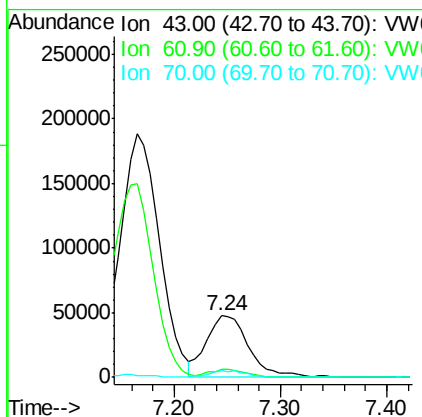
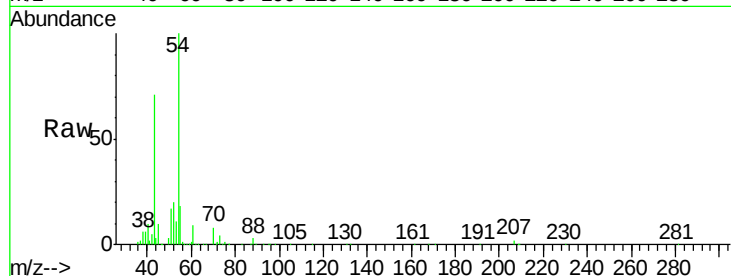
#37
Ethyl Acetate
Concen: 41.661 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	10.1	15.1
70	10.1	7.8	11.6

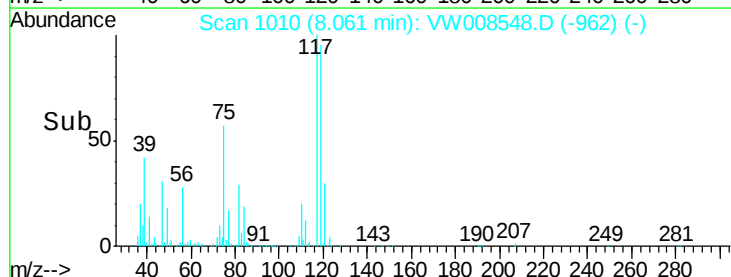
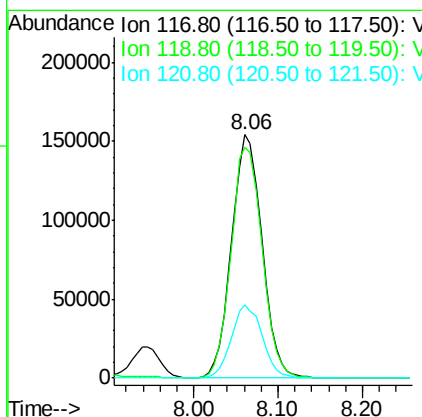
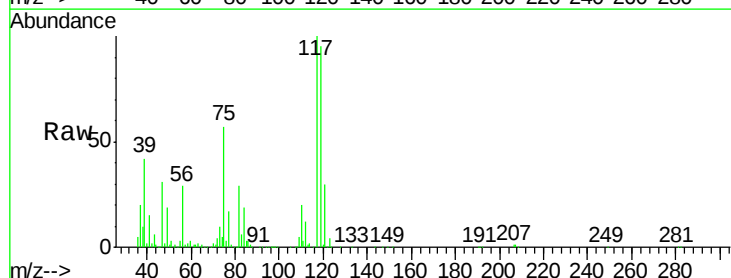
Manual Integrations
APPROVED

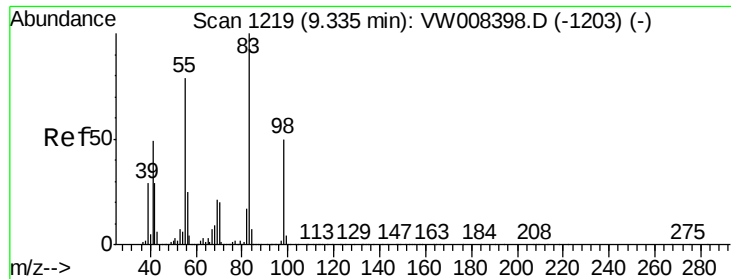
MMDadoda
2/11/2019 12:38:45 PM



#38
Carbon Tetrachloride
Concen: 53.500 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	75.0	112.4
121	30.0	24.9	37.3





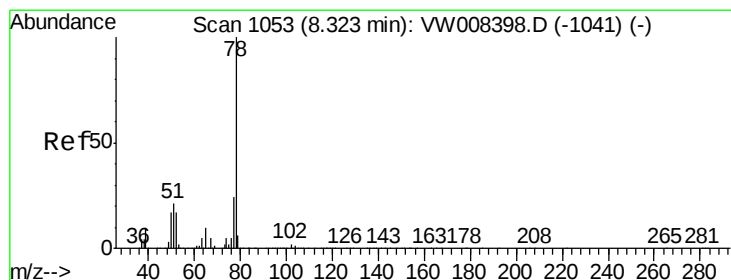
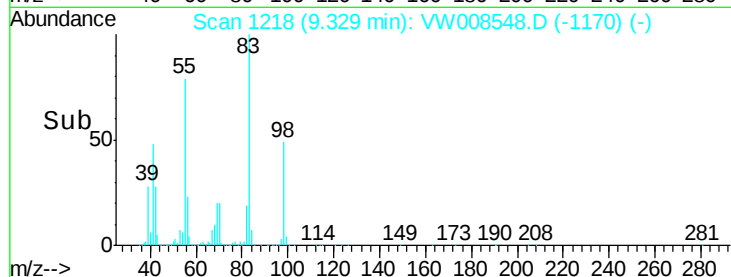
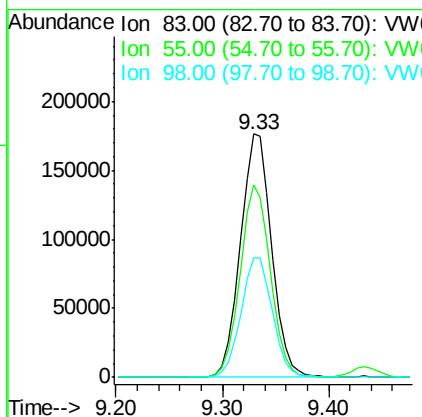
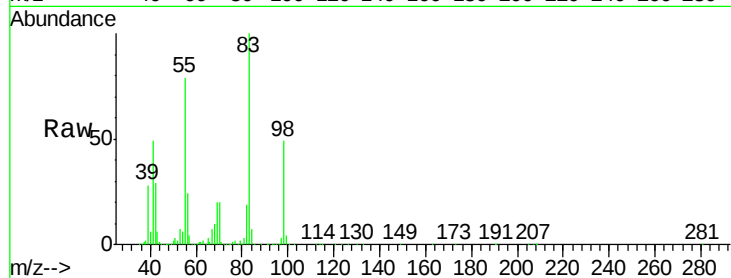
#39
Methvlcvclohexane
Concen: 39.394 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.3	94.9
98	49.2	39.7	59.5

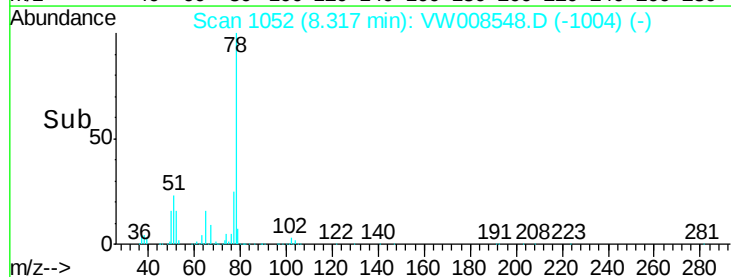
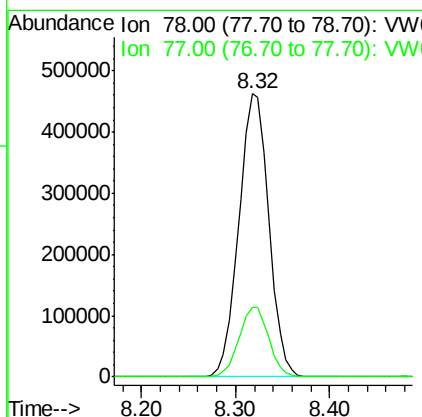
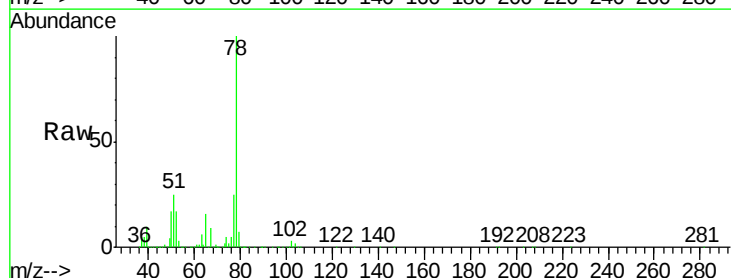
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#40
Benzene
Concen: 52.694 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6





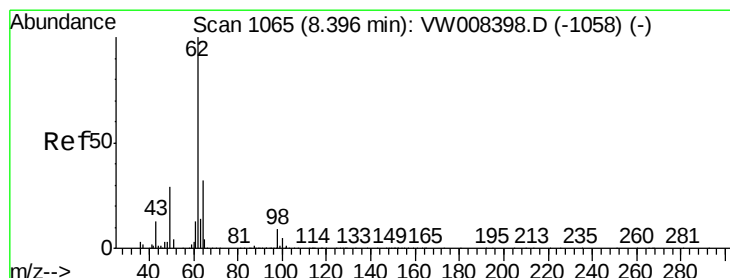
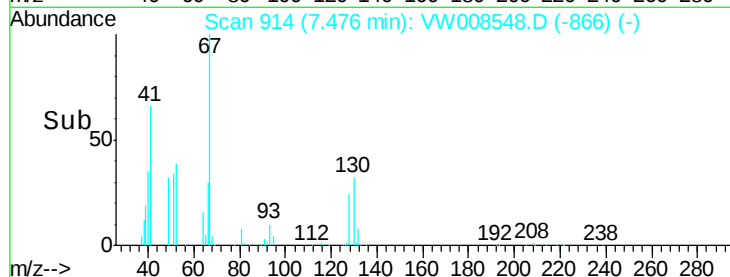
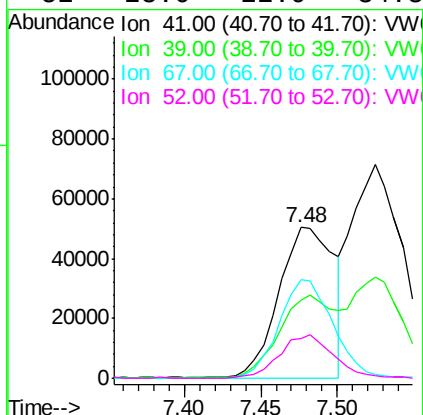
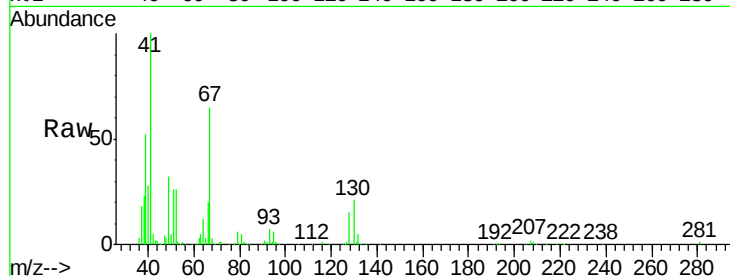
#41
Methacrylonitrile
Concen: 68.450 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.3	43.4	65.0
67	64.3	54.2	81.2
52	28.0	22.9	34.3

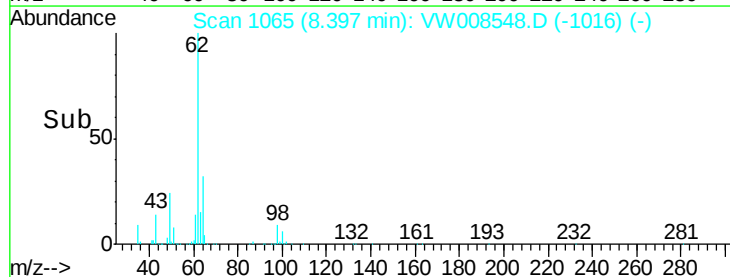
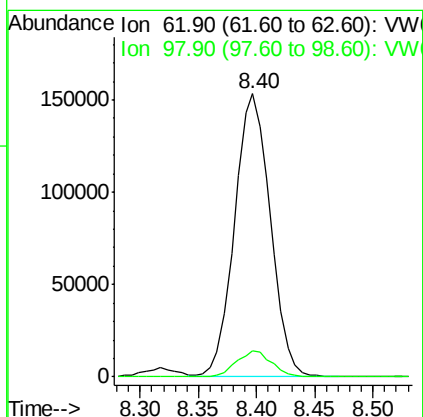
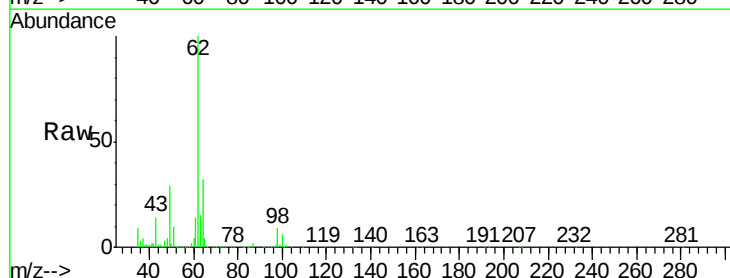
Manual Integrations
APPROVED

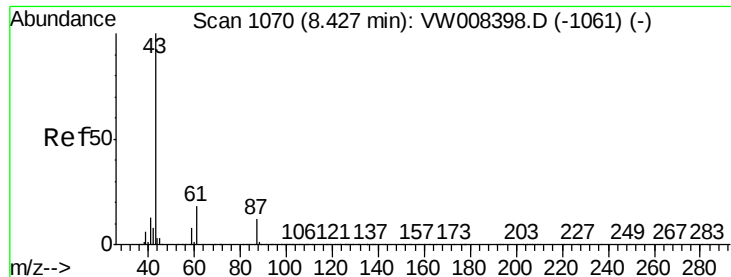
MMDadoda
2/11/2019 12:38:45 PM



#42
1,2-Dichloroethane
Concen: 58.127 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 47.357 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

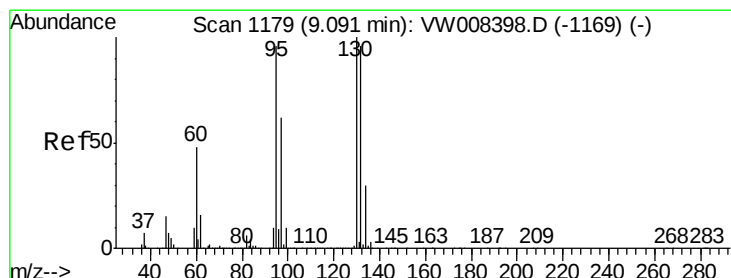
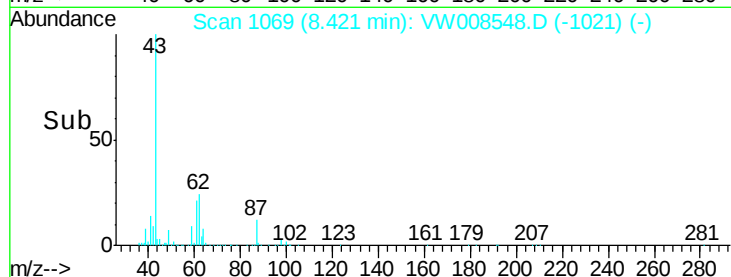
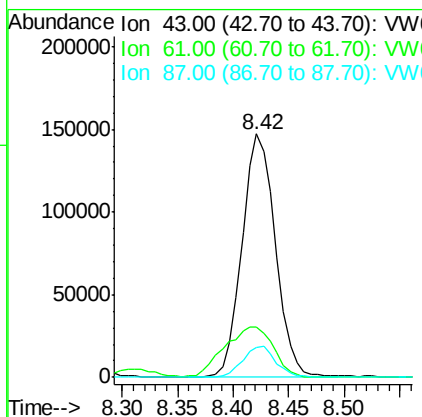
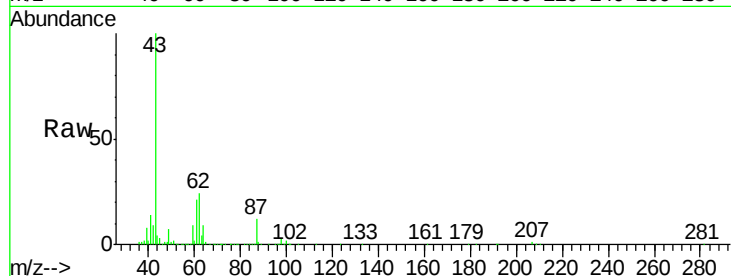
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	43	Resp:	306035
Ion Ratio		Lower	Upper
43	100		
61	30.7	22.0	33.0
87	12.6	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#44

Trichloroethene

Concen: 56.958 ug/l

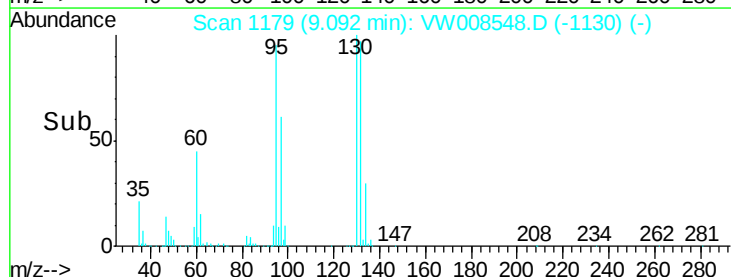
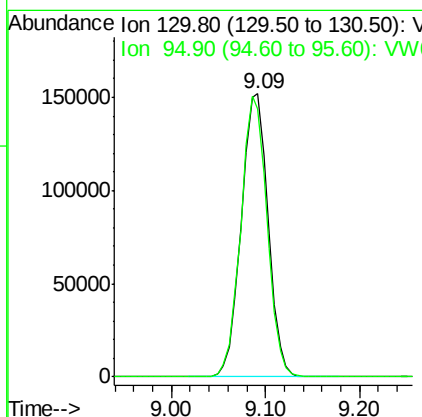
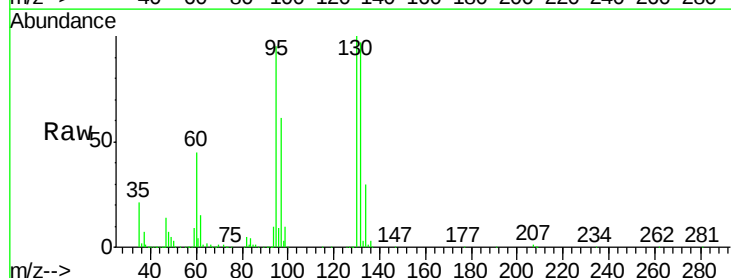
RT: 9.09 min Scan# 1179

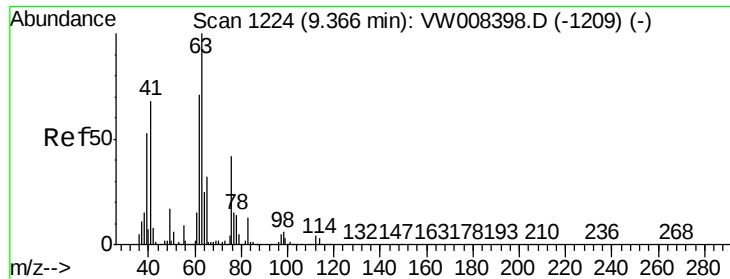
Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	130	Resp:	302170
Ion Ratio		Lower	Upper
130	100		
95	94.5	0.0	191.6





#45

1,2-Dichloropropane

Concen: 54.542 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion: 63 Resp: 265312

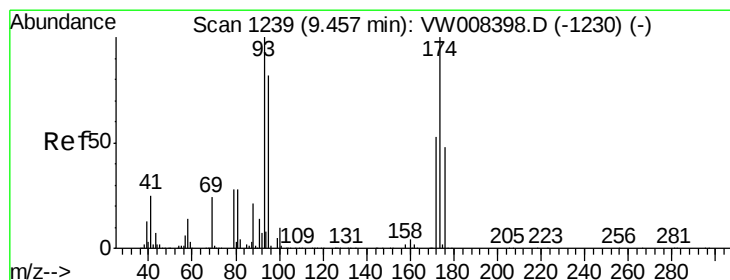
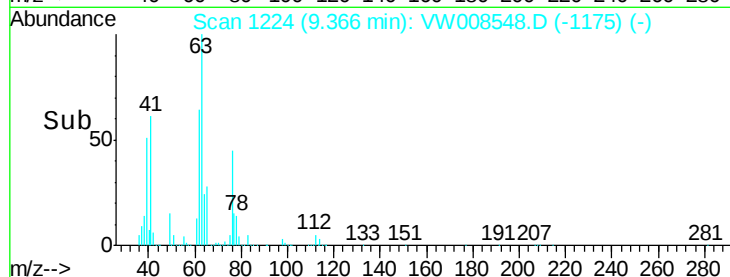
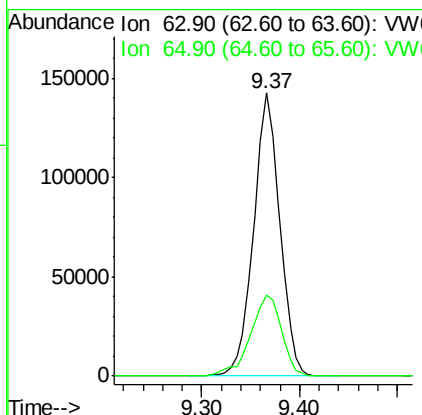
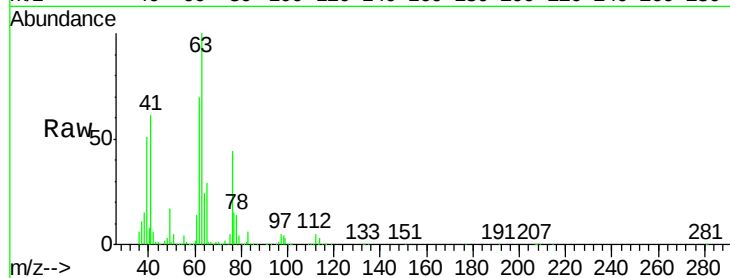
Ion Ratio Lower Upper

63 100

65 28.7 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#46

Dibromomethane

Concen: 57.855 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

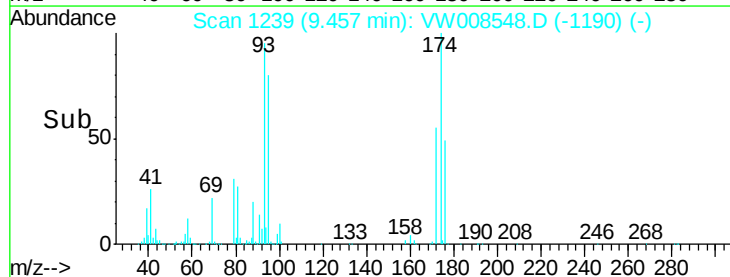
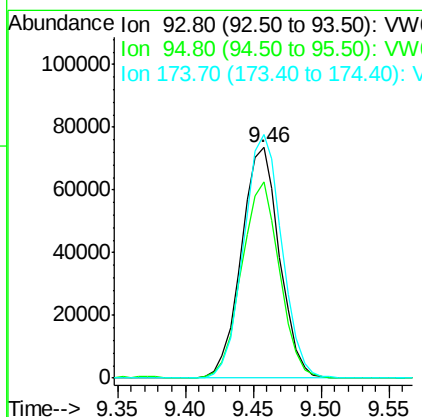
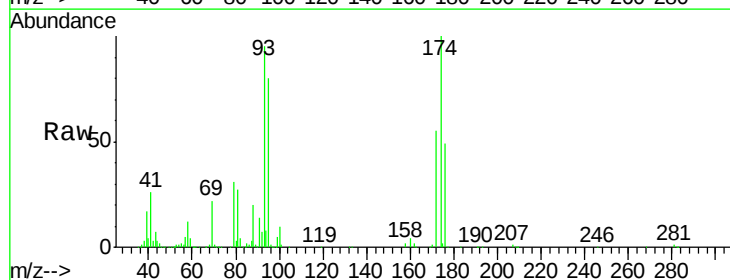
Tgt Ion: 93 Resp: 144749

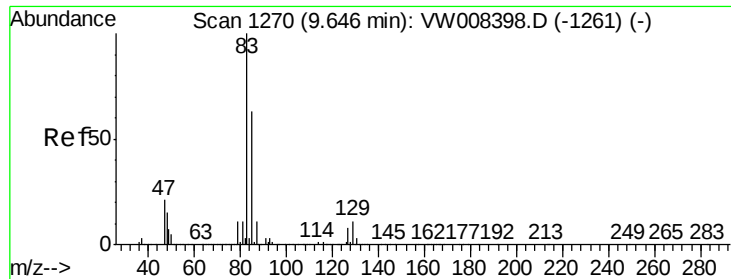
Ion Ratio Lower Upper

93 100

95 84.3 65.9 98.9

174 105.5 81.0 121.6





#47

Bromodichloromethane

Concen: 55.208 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

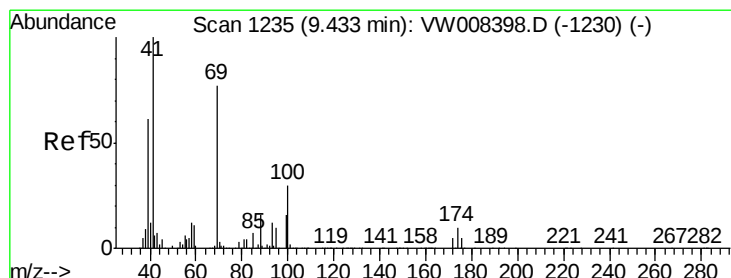
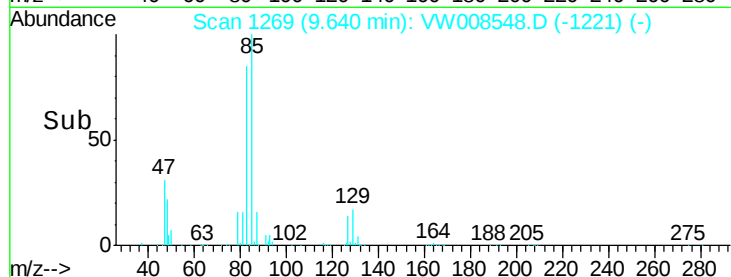
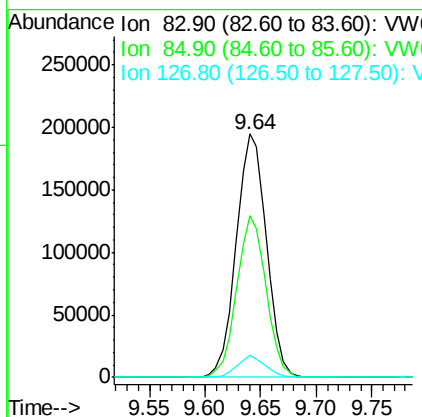
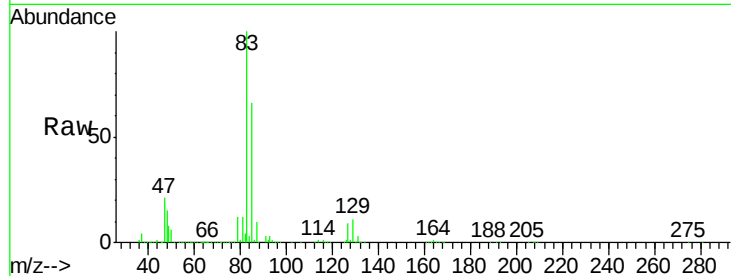
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	83	Resp:	365346
Ion Ratio	Lower	Upper	
83	100		
85	66.4	50.8	76.2
127	9.1	6.8	10.2

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#48

Methyl methacrylate

Concen: 68.005 ug/l

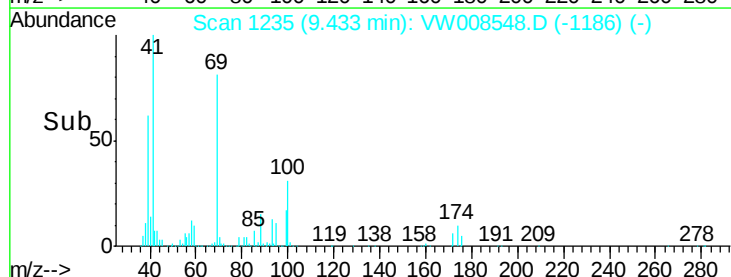
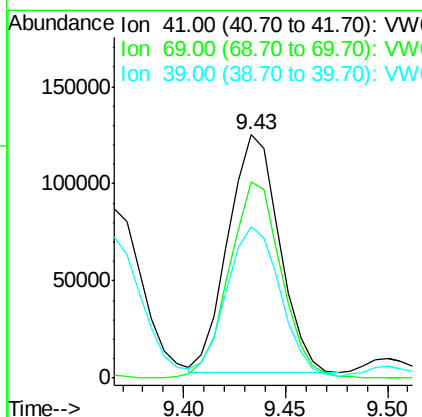
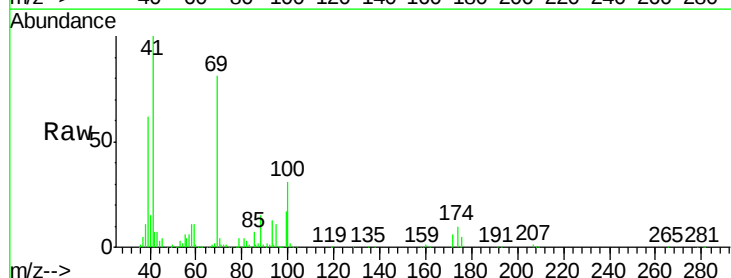
RT: 9.43 min Scan# 1235

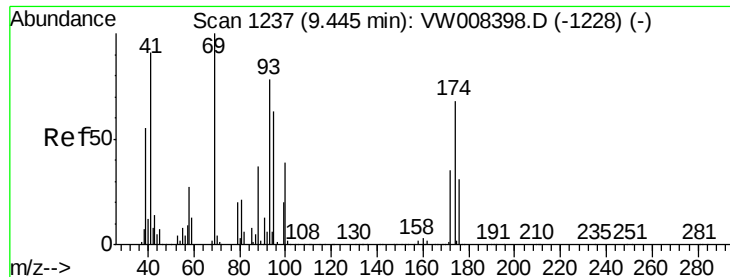
Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	41	Resp:	214882
Ion Ratio	Lower	Upper	
41	100		
69	82.7	64.8	97.2
39	66.7	49.1	73.7





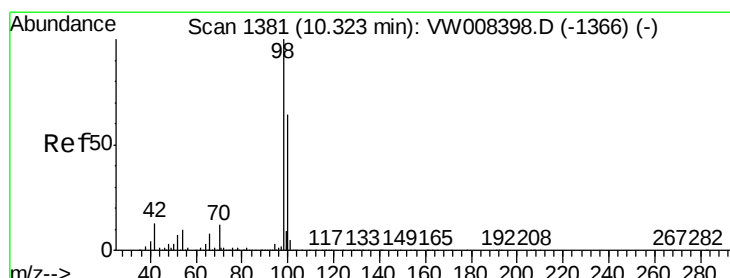
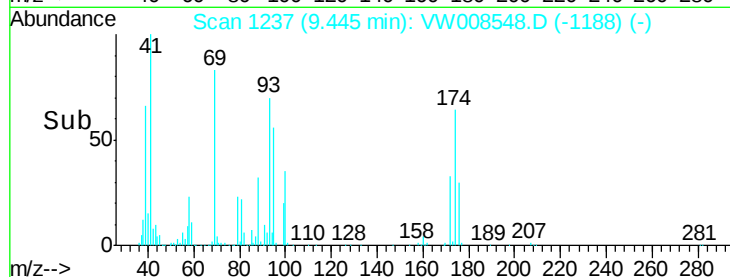
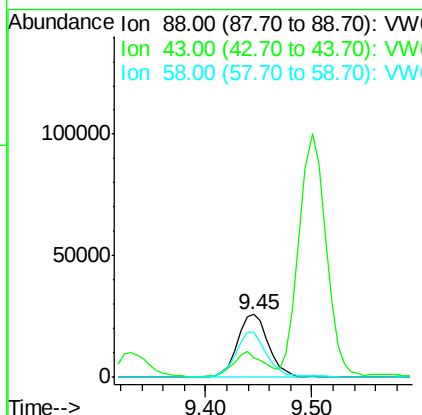
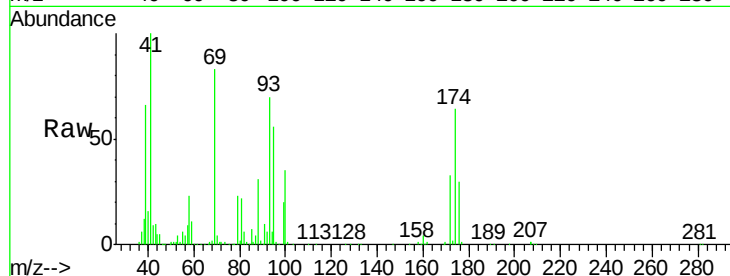
#49
1,4-Dioxane
Concen: 1256.816 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.9	29.0	43.4
58	73.4	56.4	84.6

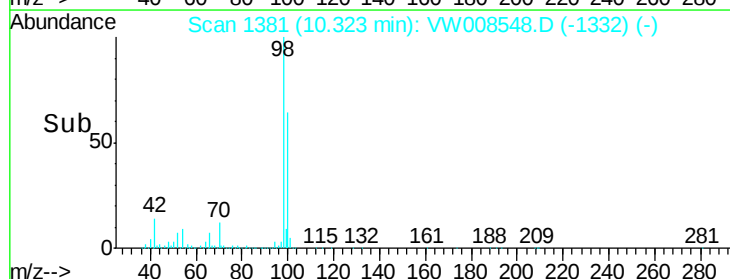
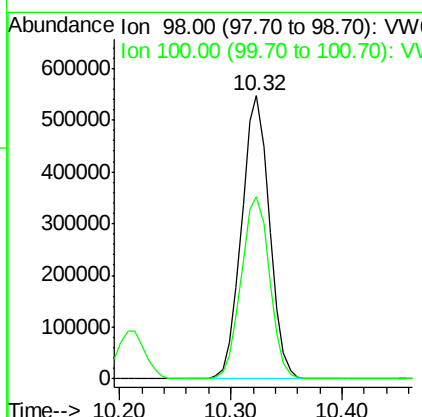
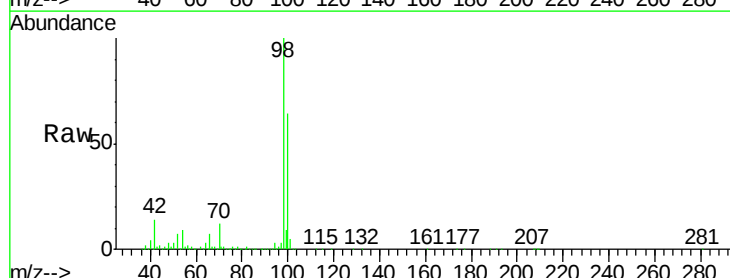
Manual Integrations
APPROVED

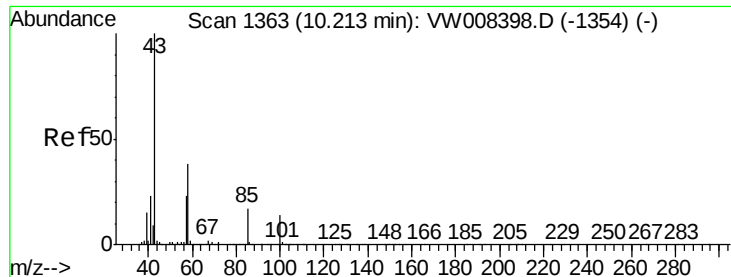
MMDadoda
2/11/2019 12:38:45 PM



#50
Toluene-d8
Concen: 54.295 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





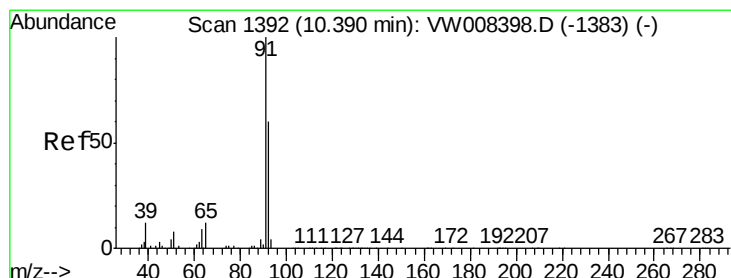
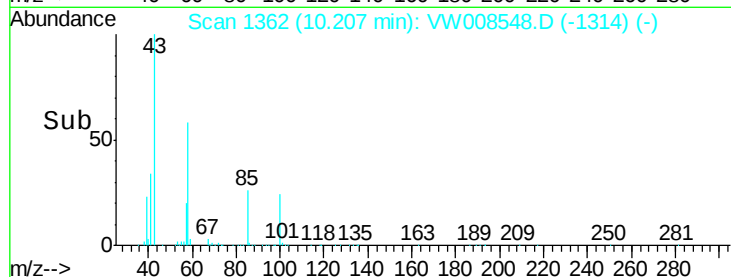
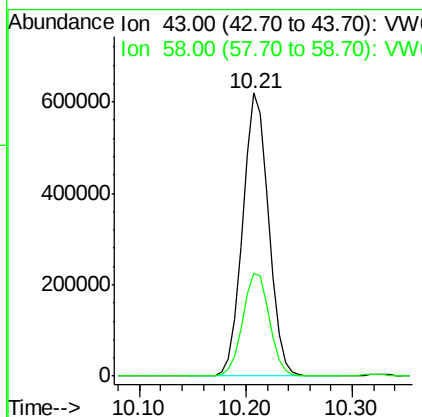
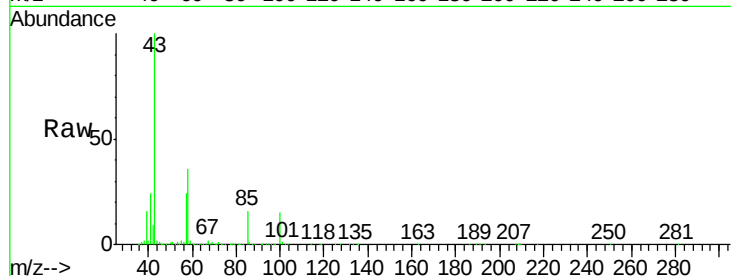
#51
4-Methyl-2-Pentanone
Concen: 332.181 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion: 43 Resp: 1060508
Ion Ratio Lower Upper
43 100
58 37.4 29.7 44.5

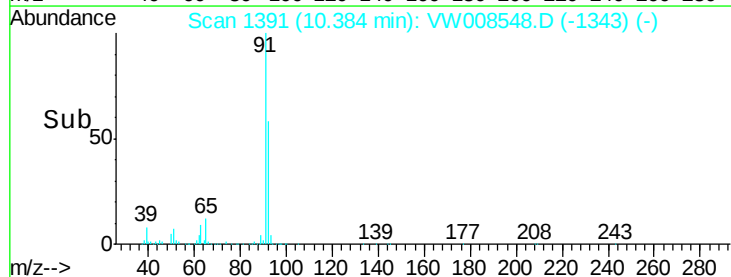
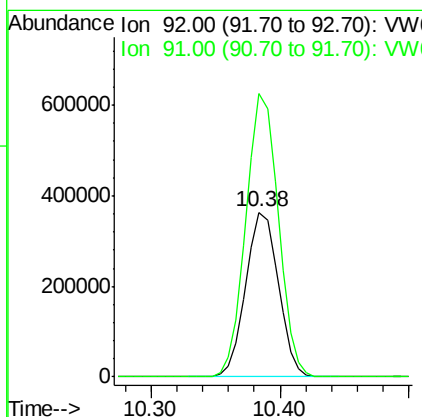
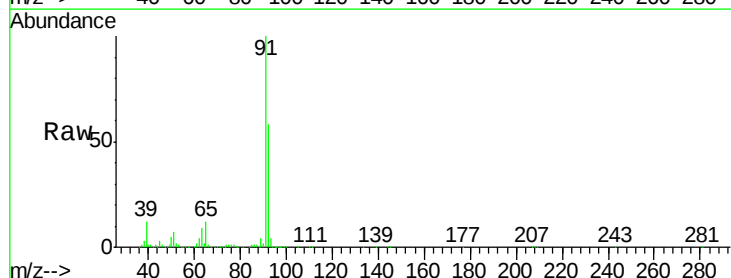
Manual Integrations
APPROVED

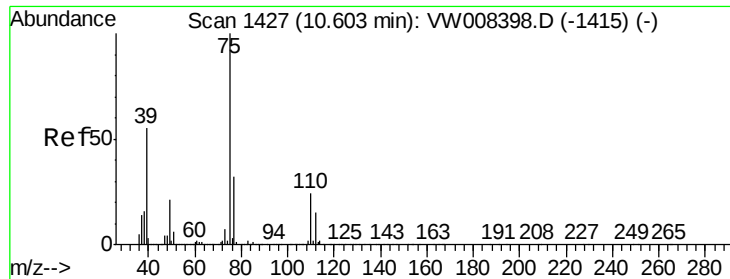
MMDadoda
2/11/2019 12:38:45 PM



#52
Toluene
Concen: 49.418 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion: 92 Resp: 636422
Ion Ratio Lower Upper
92 100
91 171.5 135.5 203.3





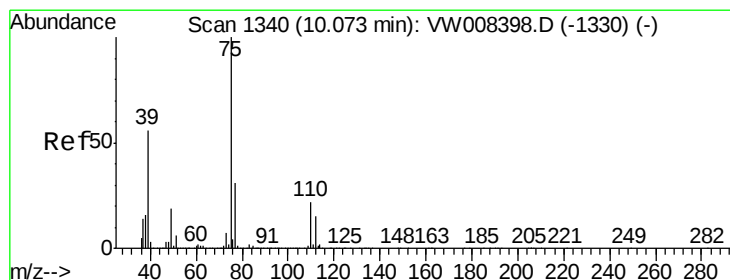
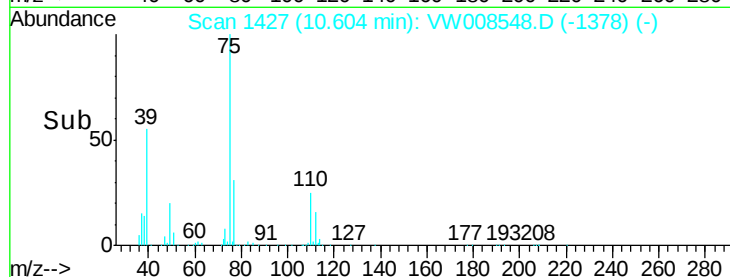
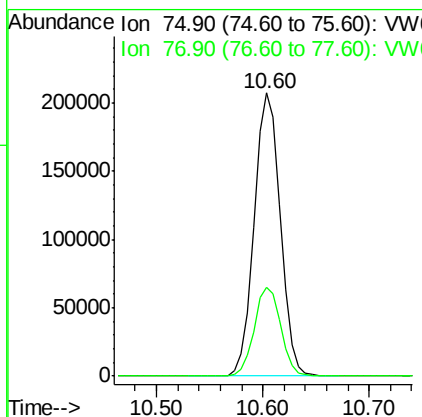
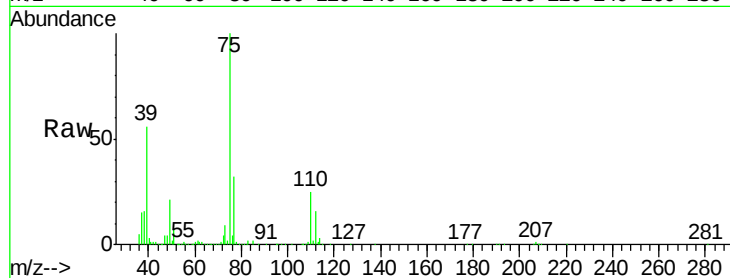
#53
 t-1,3-Dichloropropene
 Concen: 50.665 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion: 75 Resp: 356769
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9

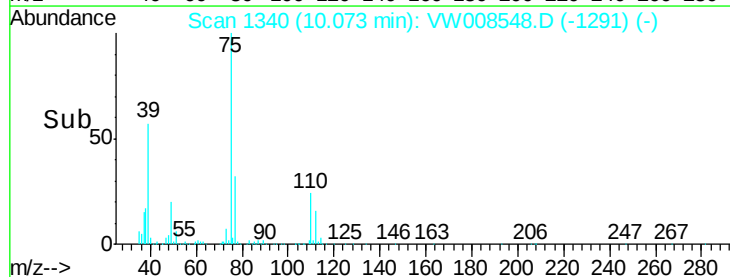
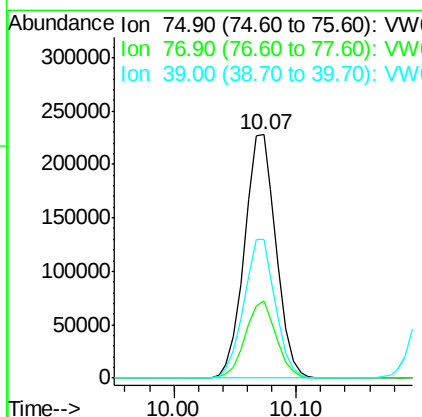
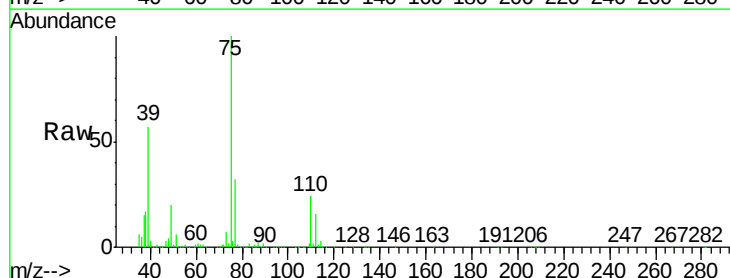
Manual Integrations
 APPROVED

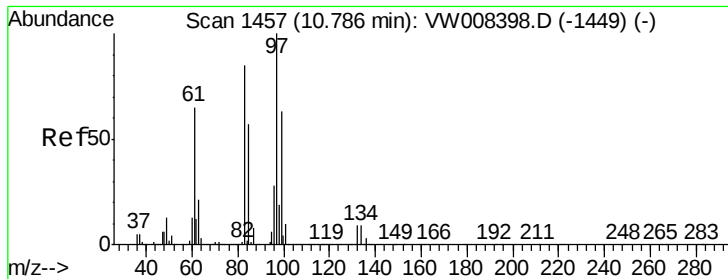
MMDadoda
 2/11/2019 12:38:45 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.182 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion: 75 Resp: 409005
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4
 39 57.1 44.9 67.3





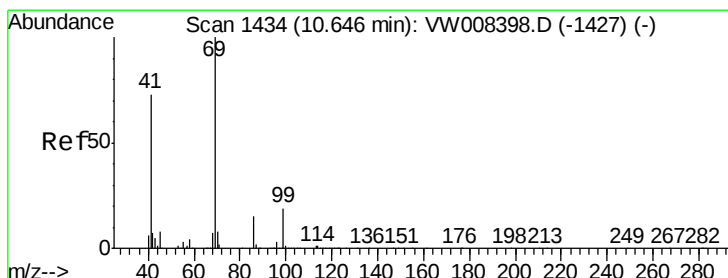
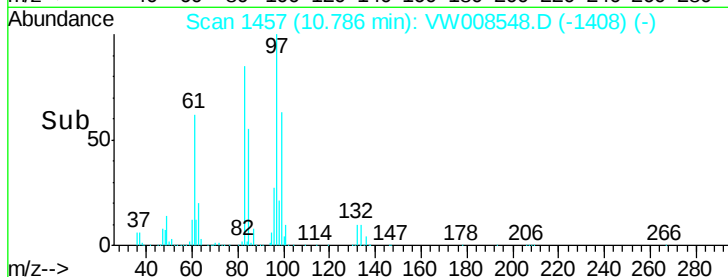
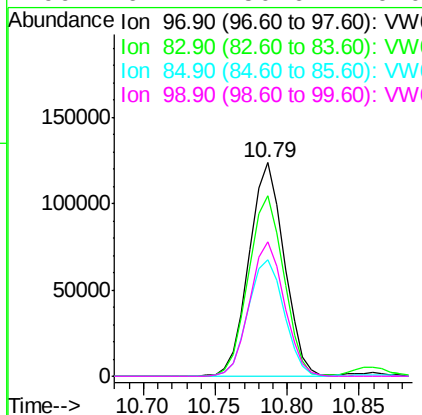
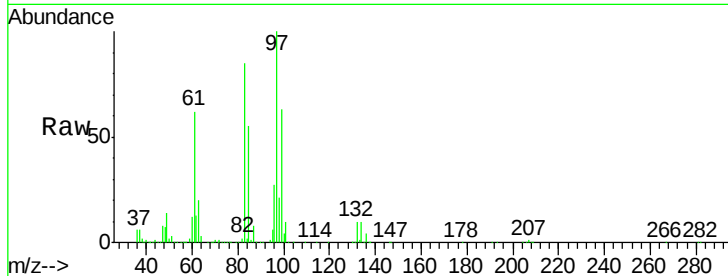
#55
 1,1,2-Trichloroethane
 Concen: 60.030 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion:	97	Resp:	208321
Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.4	102.6
85	54.6	45.3	67.9
99	62.7	50.6	76.0

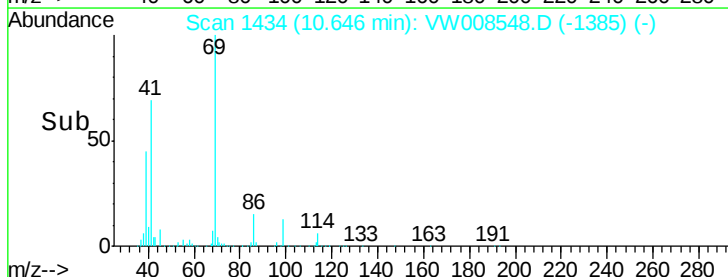
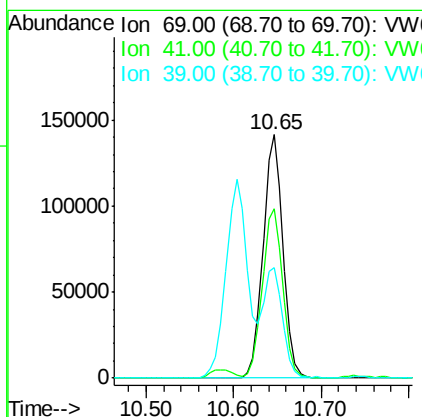
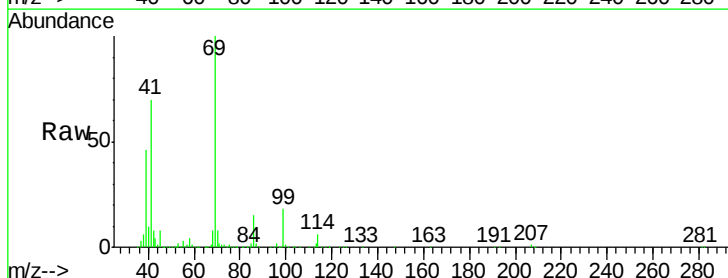
Manual Integrations
 APPROVED

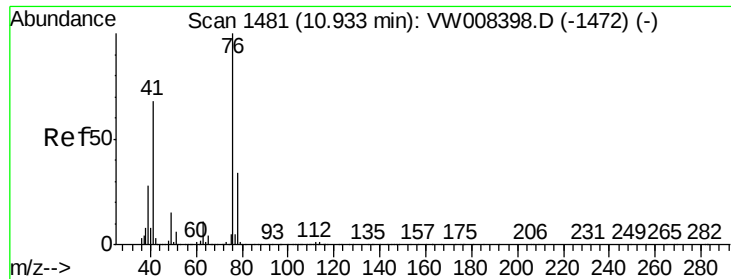
MMDadoda
 2/11/2019 12:38:45 PM



#56
 Ethyl methacrylate
 Concen: 46.436 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion:	69	Resp:	225804
Ion	Ratio	Lower	Upper
69	100		
41	70.6	58.7	88.1
39	42.4	32.6	48.8





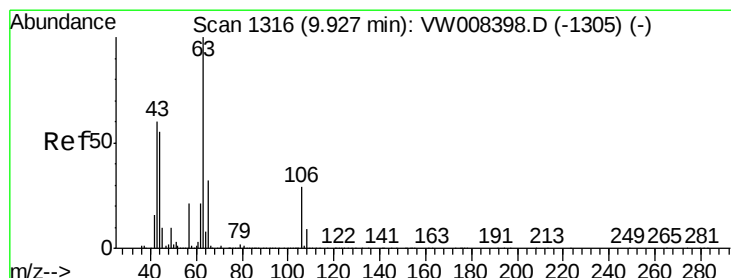
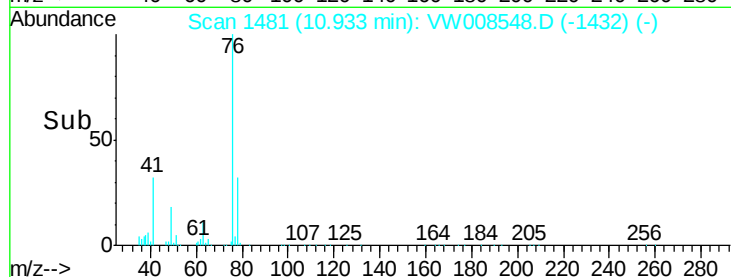
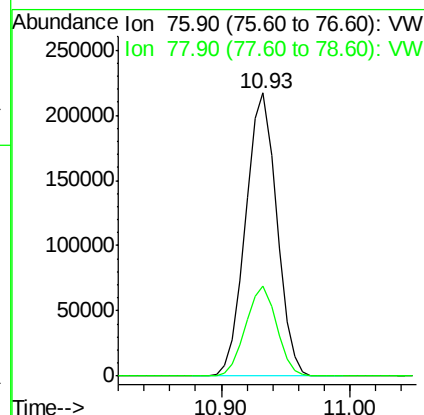
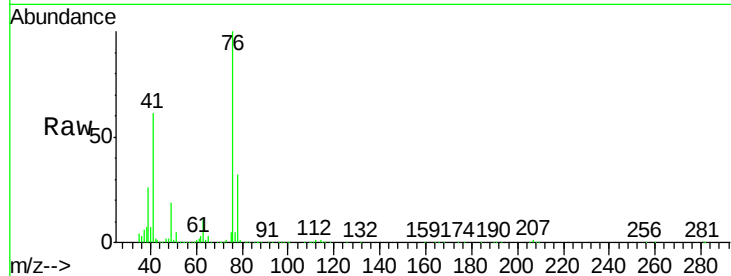
#57
 1,3-Dichloropropane
 Concen: 58.282 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.8	38.8

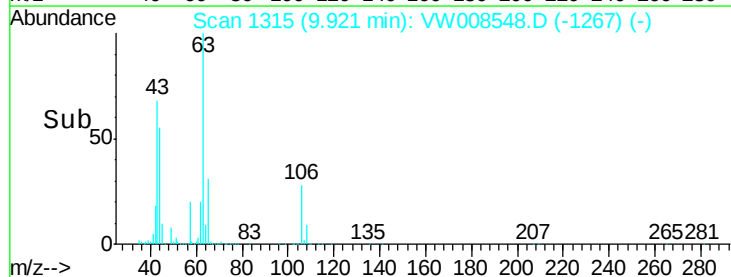
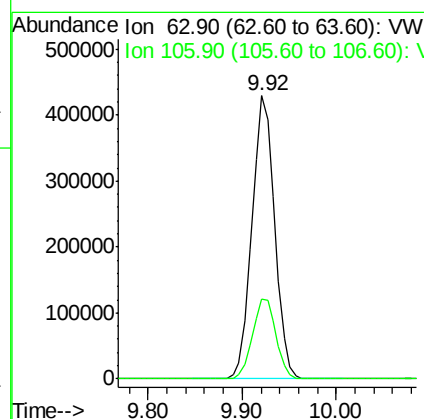
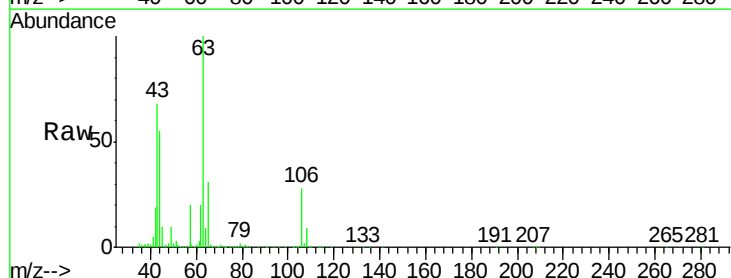
Manual Integrations
 APPROVED

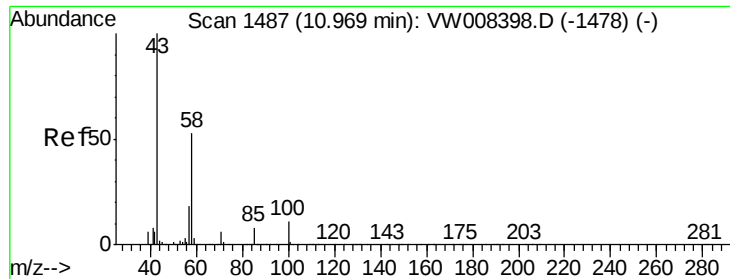
MMDadoda
 2/11/2019 12:38:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 307.405 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	22.4	33.6





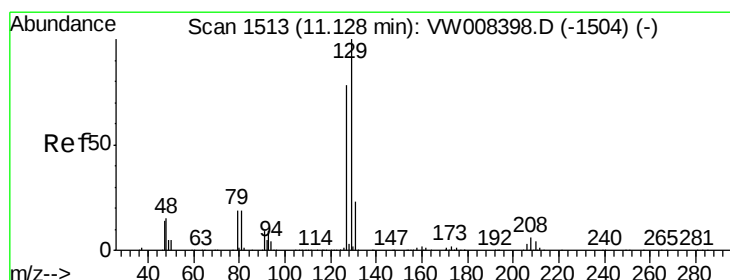
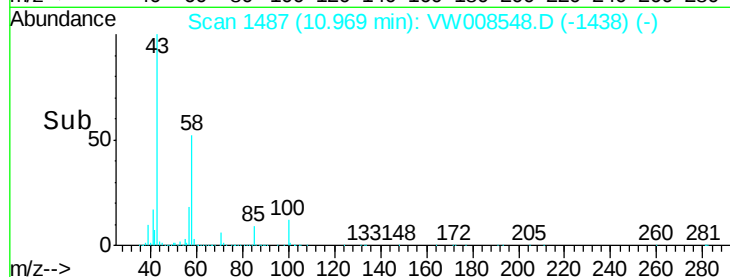
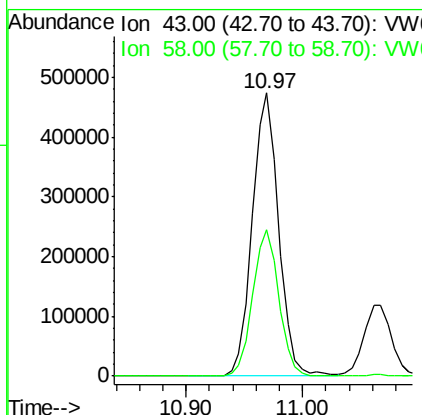
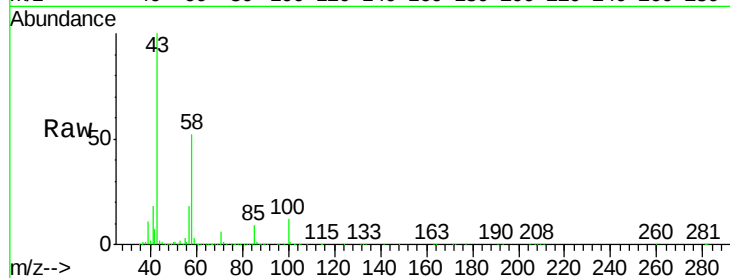
#59
2-Hexanone
Concen: 333.046 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion: 43 Resp: 750624
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7

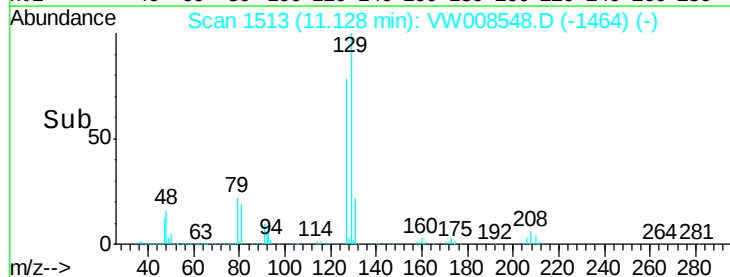
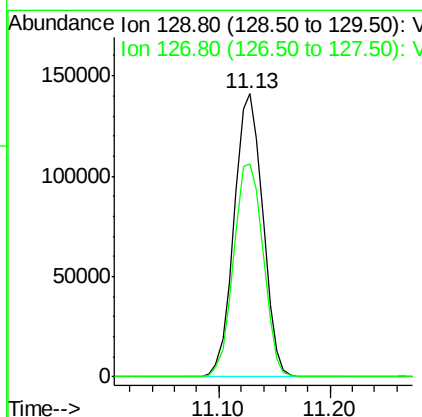
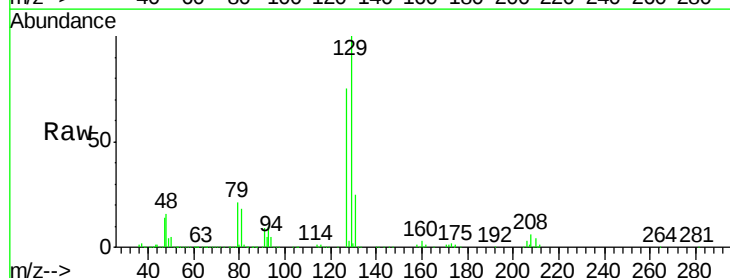
Manual Integrations
APPROVED

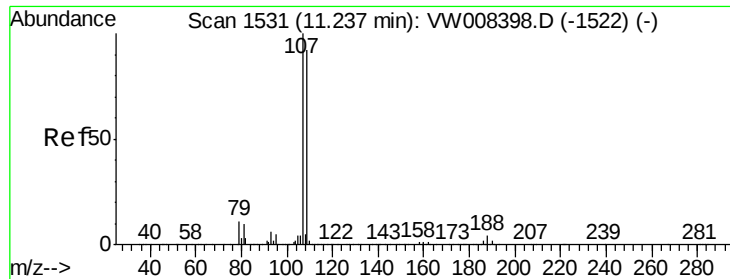
MMDadoda
2/11/2019 12:38:45 PM



#60
Dibromochloromethane
Concen: 56.425 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion: 129 Resp: 251633
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





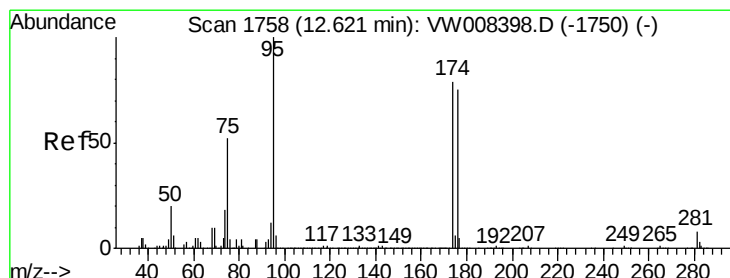
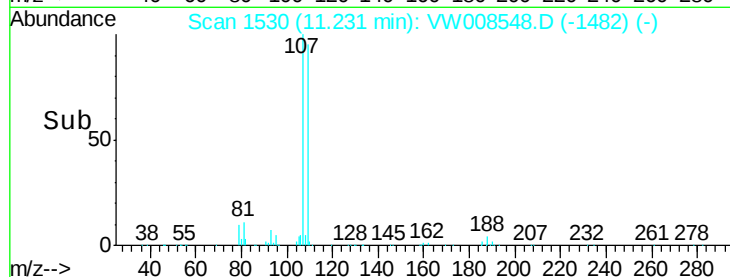
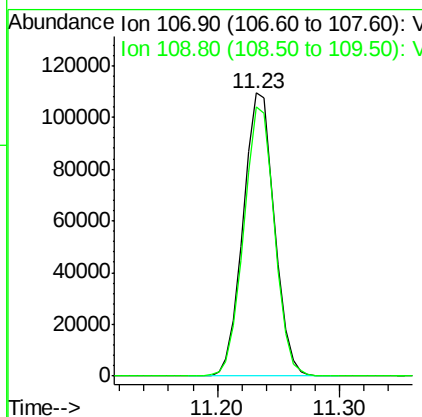
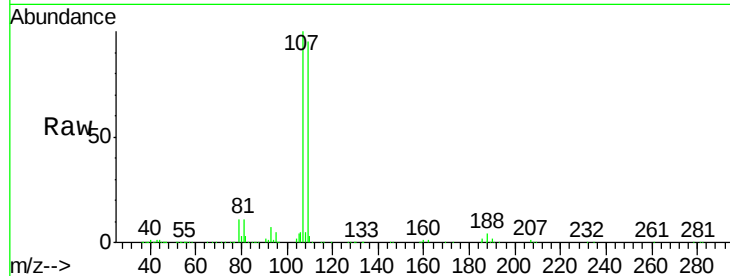
#61
 1,2-Dibromoethane
 Concen: 56.540 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.4

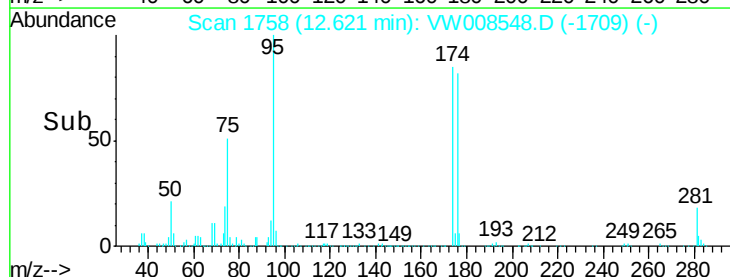
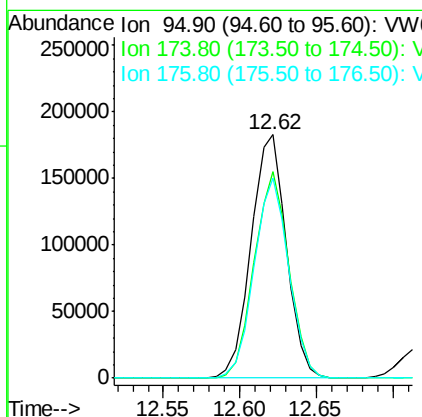
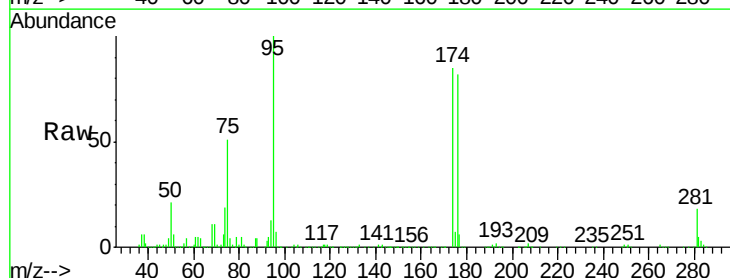
Manual Integrations
 APPROVED

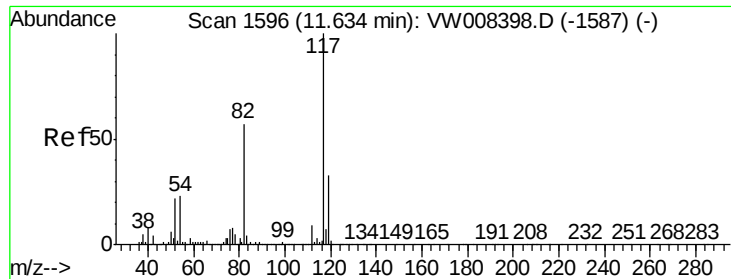
MMDadoda
 2/11/2019 12:38:45 PM



#62
 4-Bromofluorobenzene
 Concen: 43.673 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	157.6
176	81.1	0.0	151.8





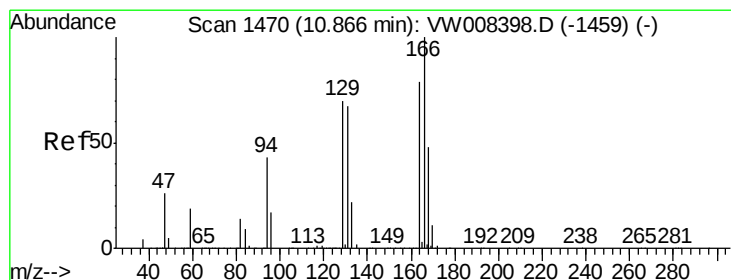
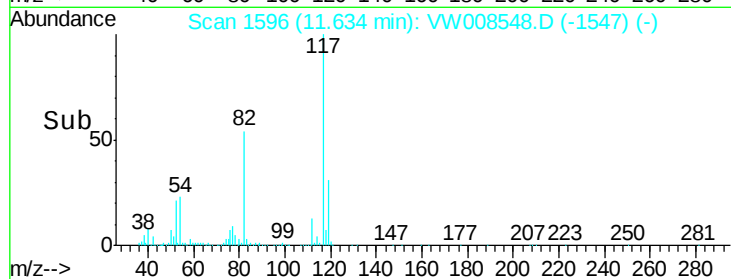
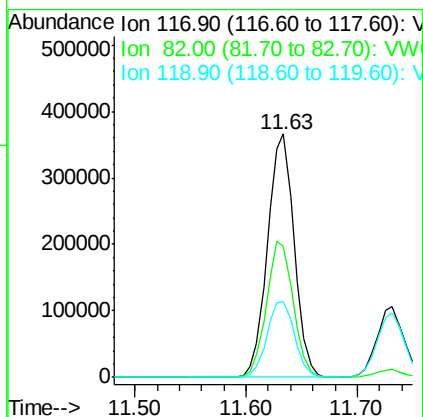
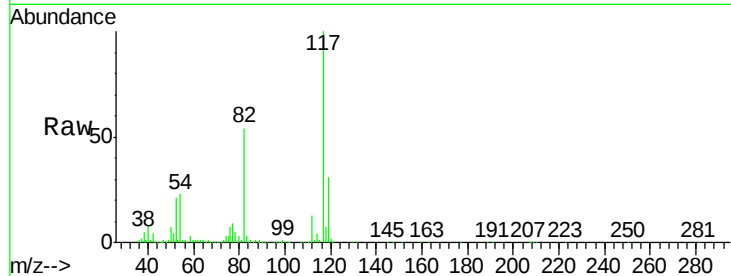
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	609944		
82	53.5		45.4	68.0
119	31.2		26.2	39.4

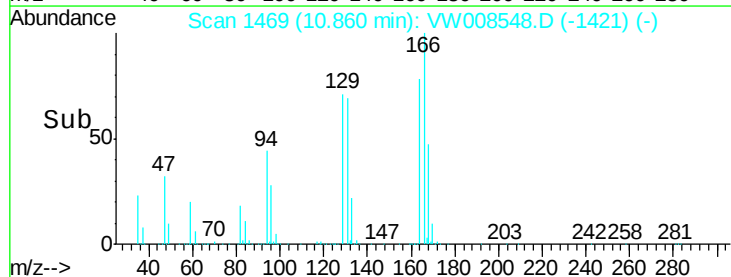
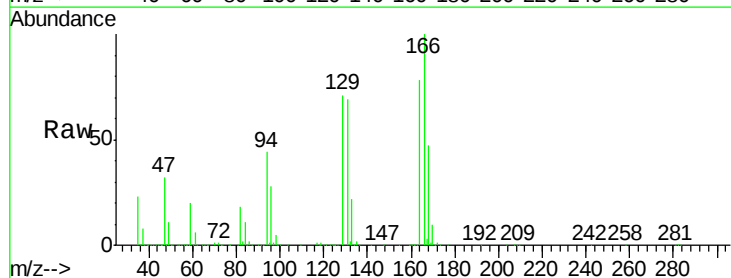
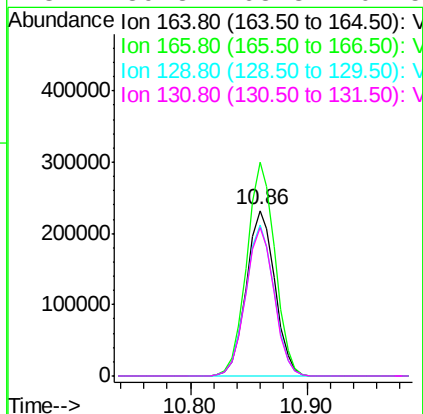
Manual Integrations
APPROVED

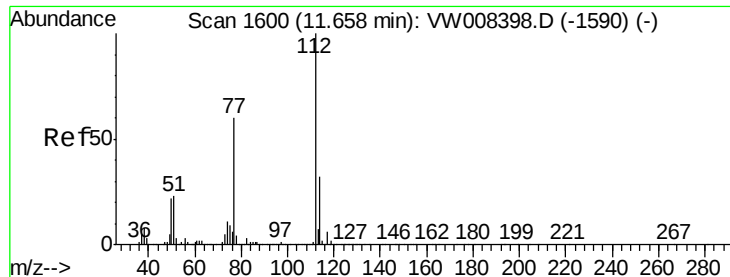
MMDadoda
2/11/2019 12:38:45 PM



#64
Tetrachloroethene
Concen: 96.381 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	398024		
166	128.8		101.4	152.0
129	91.3		71.0	106.6
131	89.3		68.3	102.5





#65

Chlorobenzene

Concen: 52.989 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:112 Resp: 659770

Ion Ratio Lower Upper

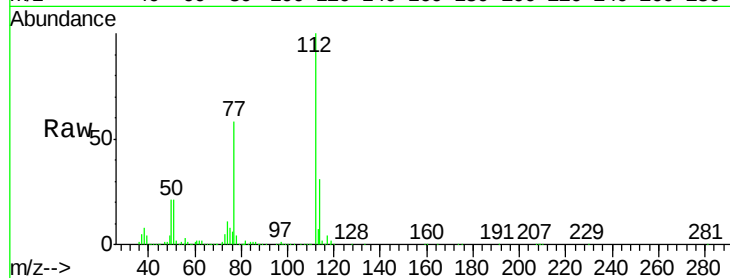
112 100

114 31.4 25.4 38.2

Manual Integrations
APPROVED

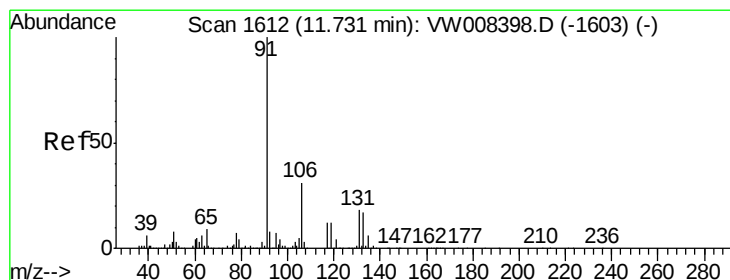
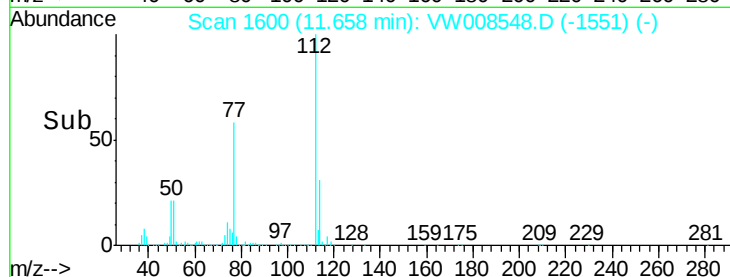
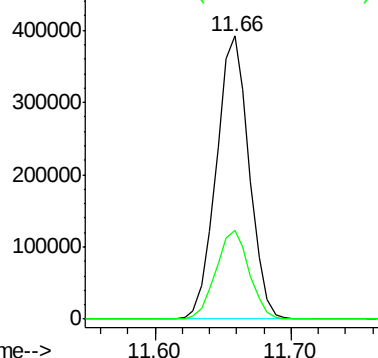
MMDadoda

2/11/2019 12:38:45 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 59.237 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

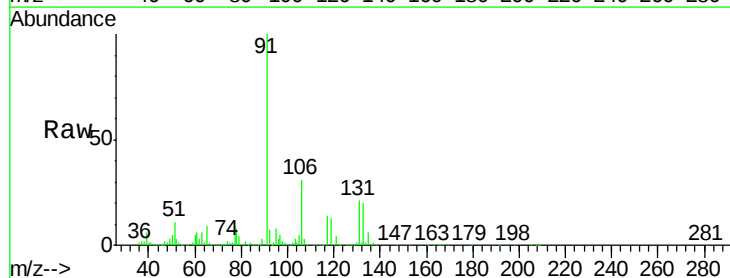
Tgt Ion:131 Resp: 263886

Ion Ratio Lower Upper

131 100

133 95.6 47.0 141.2

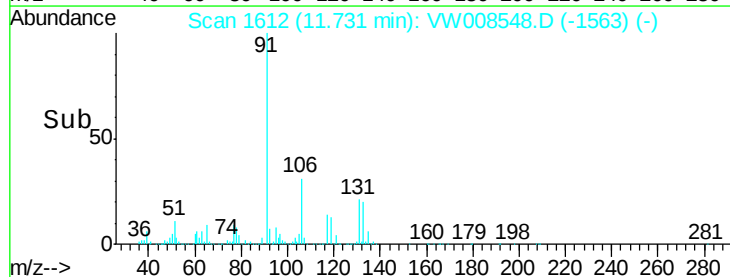
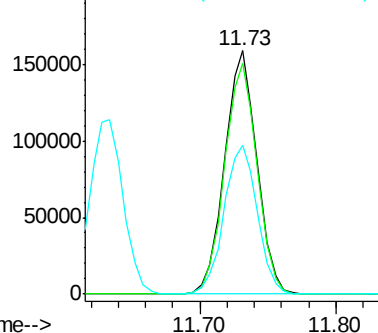
119 63.0 32.1 96.3

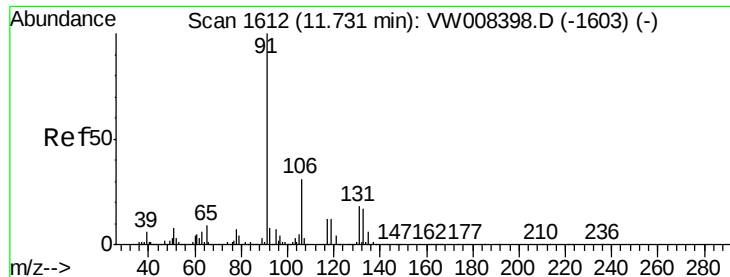


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





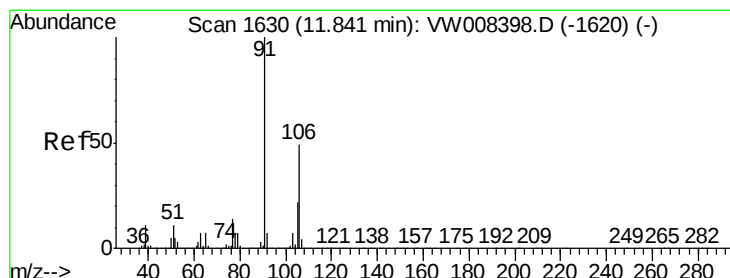
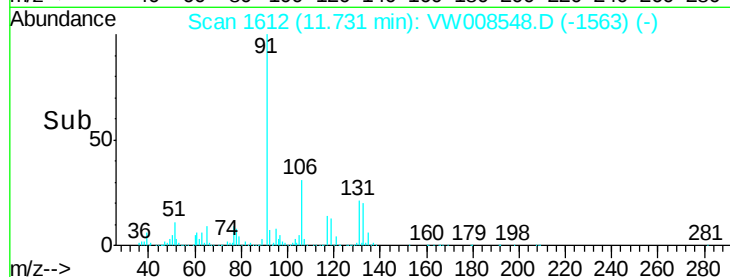
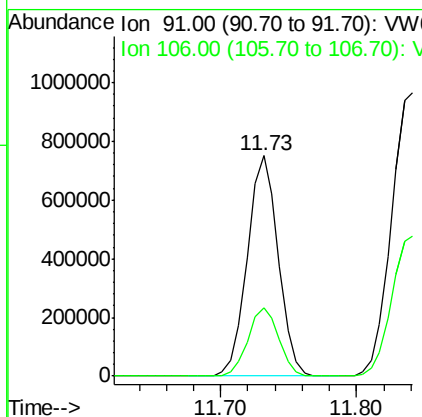
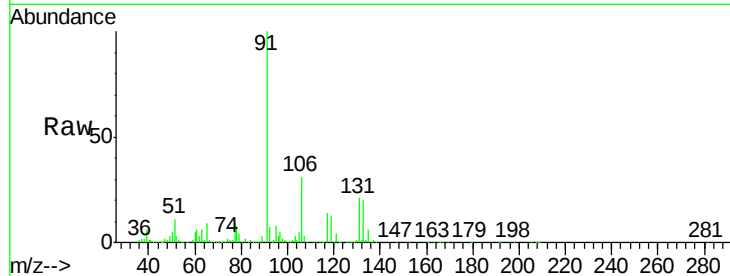
#67
Ethyl Benzene
Concen: 52.172 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion: 91 Resp: 1194073
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1

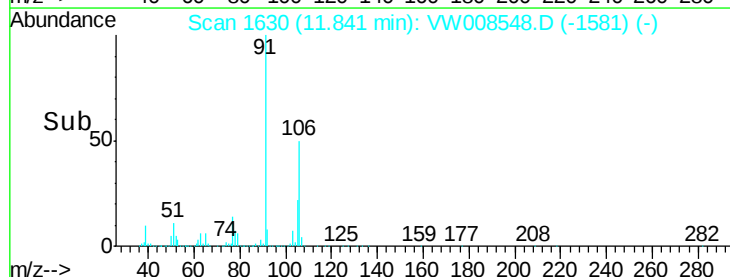
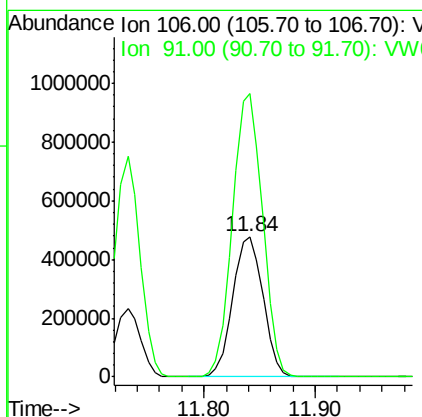
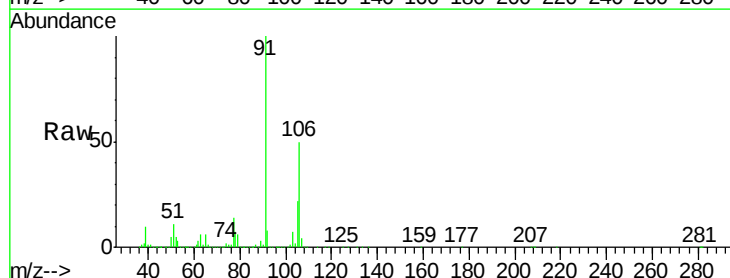
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#68
m/p-Xylenes
Concen: 101.338 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion: 106 Resp: 899898
Ion Ratio Lower Upper
106 100
91 200.7 162.9 244.3





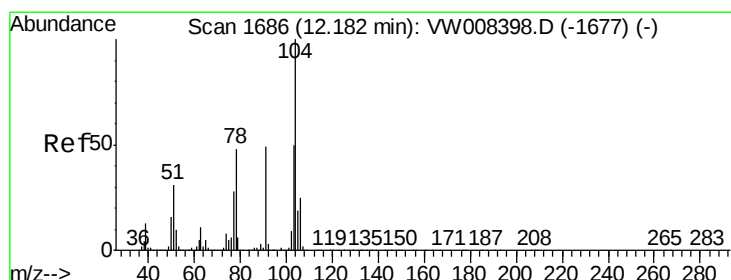
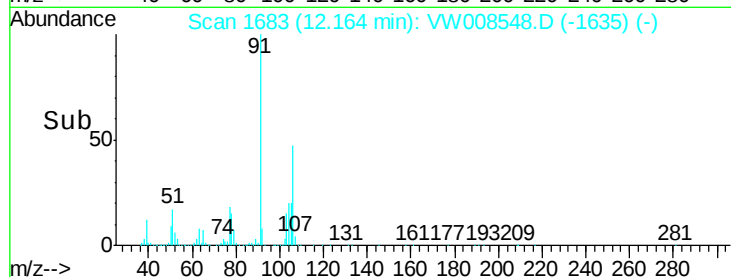
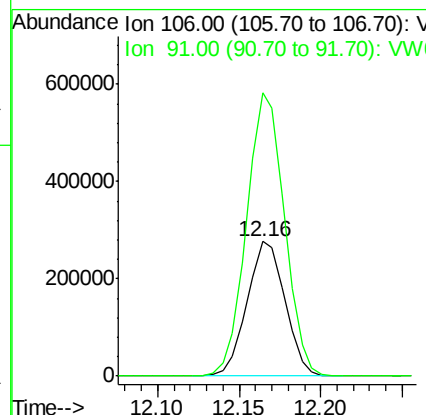
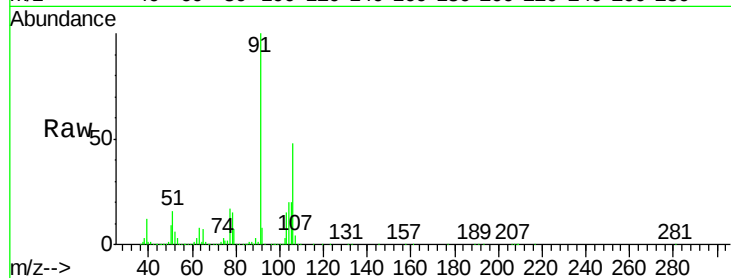
#69
o-Xylene
Concen: 53.370 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.2	107.5	322.4

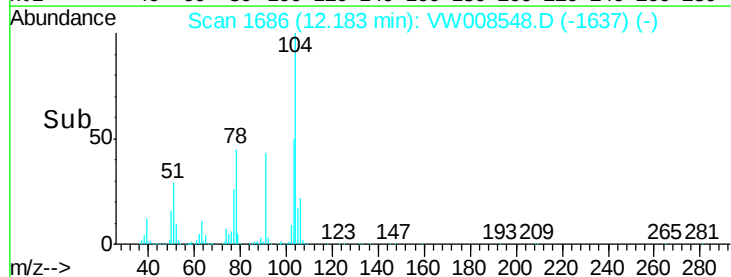
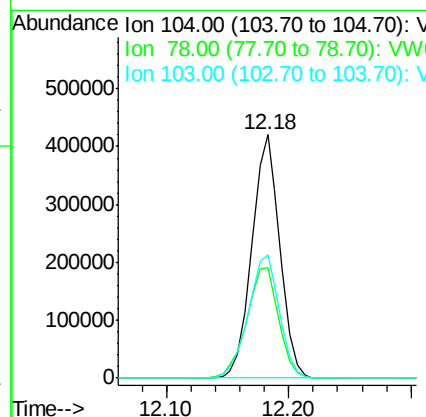
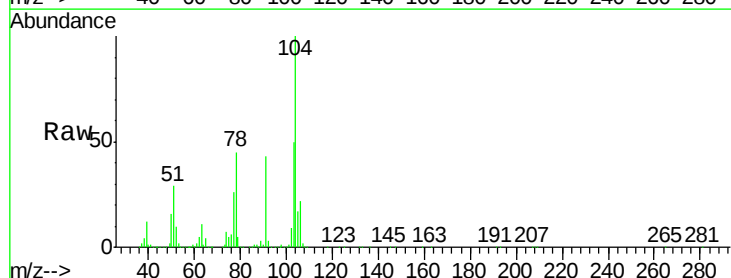
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#70
Styrene
Concen: 47.943 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	42.4	63.6
103	56.2	43.4	65.0





#71

Bromoform

Concen: 61.028 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

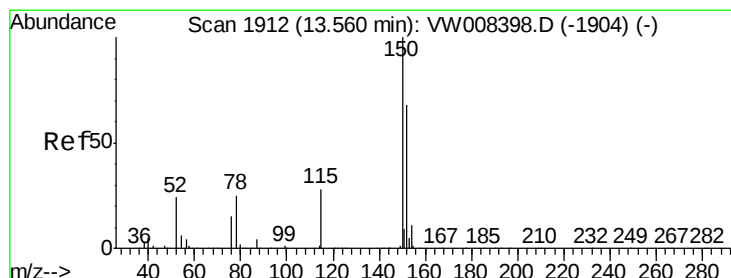
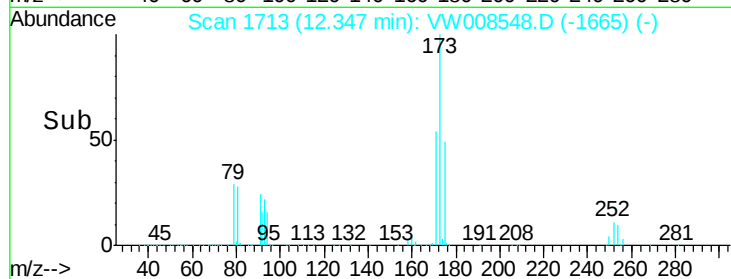
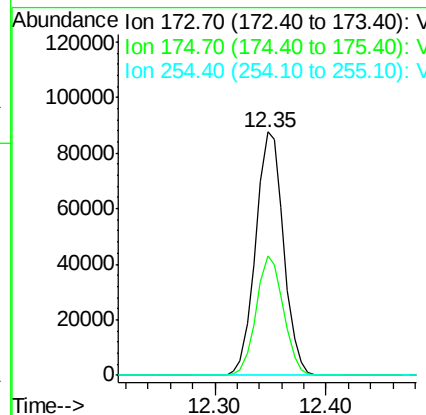
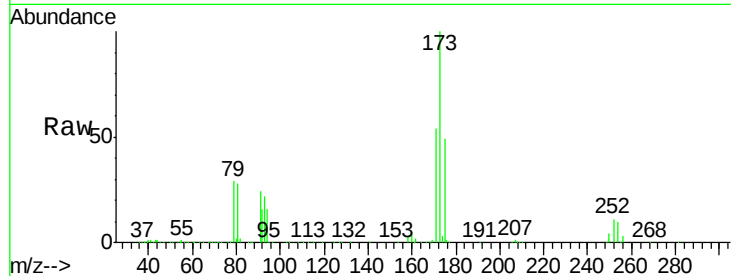
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	173	Resp:	152963
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.4	73.4
254	0.2	0.2	0.2

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

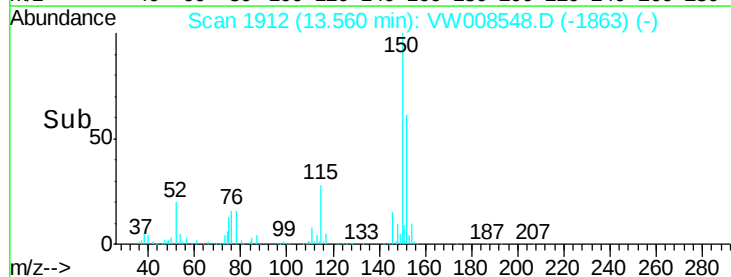
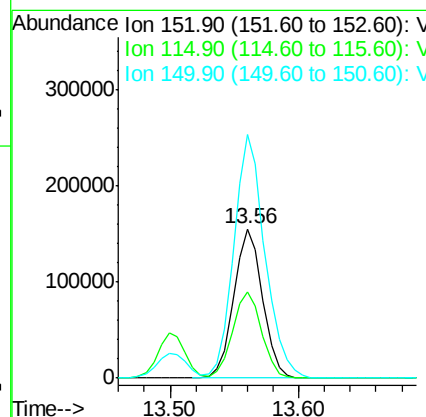
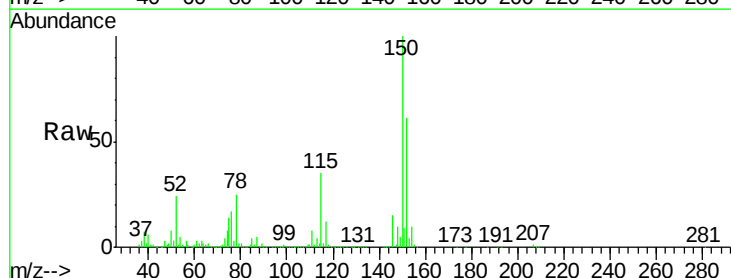
RT: 13.56 min Scan# 1912

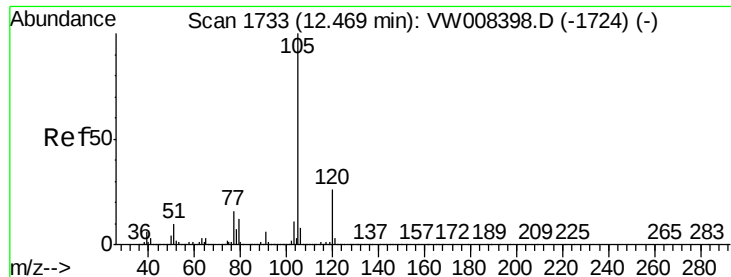
Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	152	Resp:	240654
Ion Ratio	Lower	Upper	
152	100		
115	58.3	29.9	89.7
150	176.4	0.0	351.4





#73

Isopropylbenzene

Concen: 65.211 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:105 Resp: 1169966

Ion Ratio Lower Upper

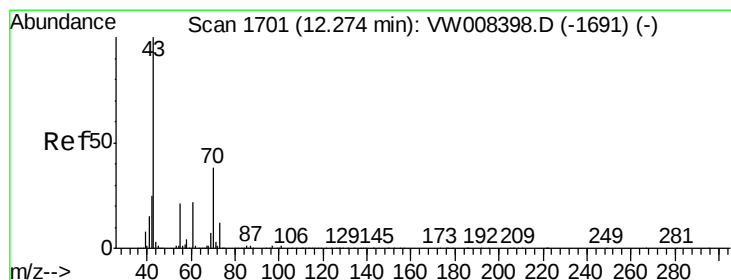
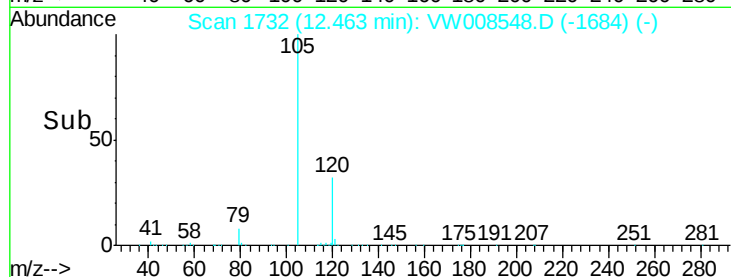
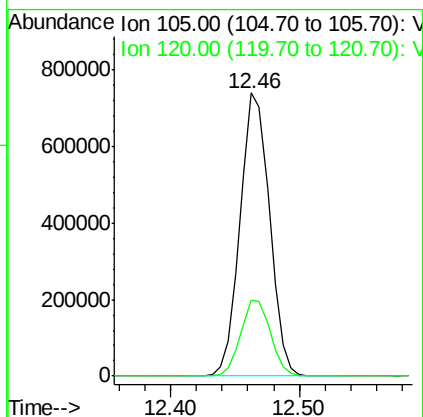
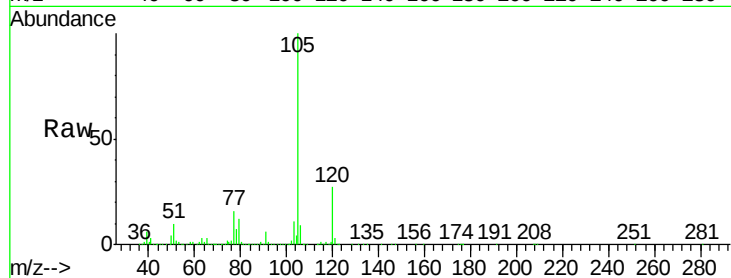
105 100

120 27.0 13.3 39.8

Manual Integrations
APPROVED

MMDadoda

2/11/2019 12:38:45 PM



#74

N-ethyl acetate

Concen: 42.784 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion: 43 Resp: 197748

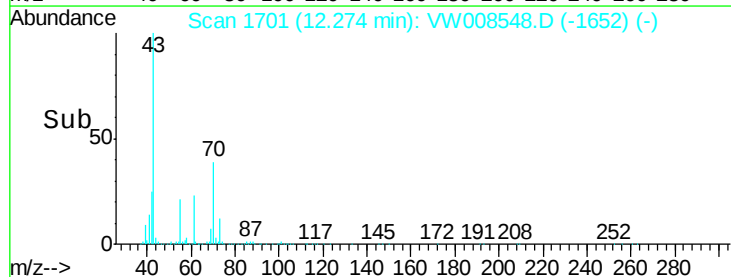
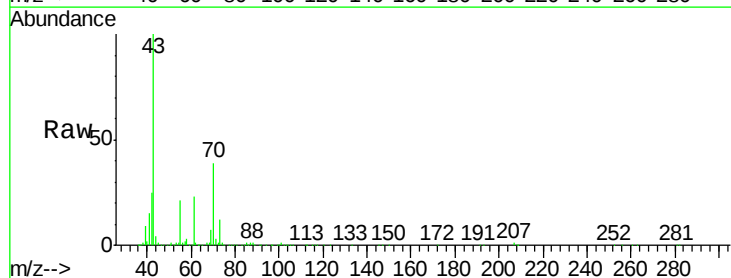
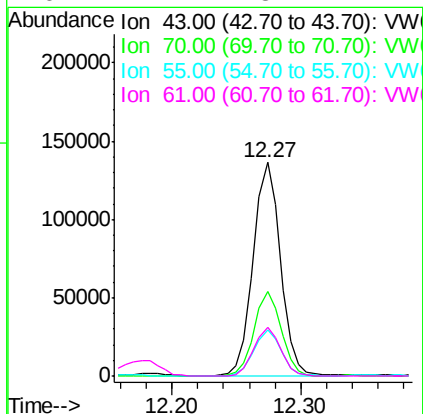
Ion Ratio Lower Upper

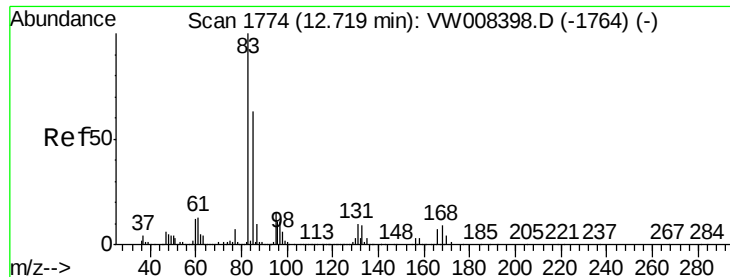
43 100

70 39.5 31.0 46.6

55 21.7 17.4 26.2

61 22.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 73.726 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

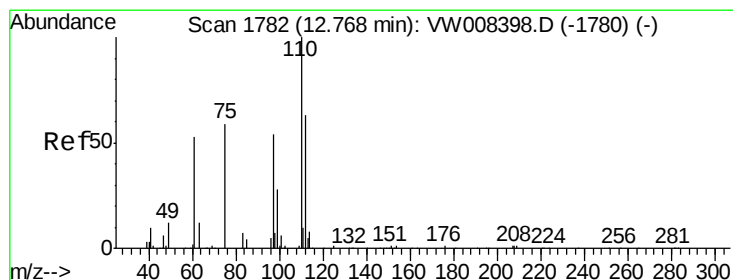
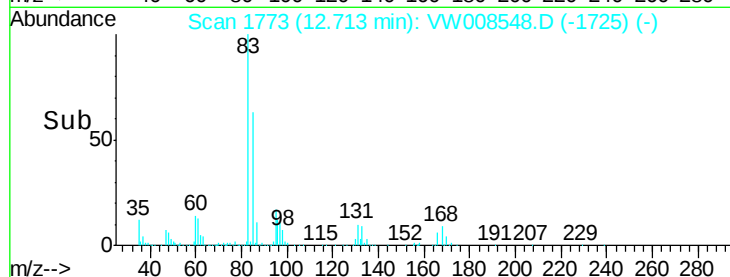
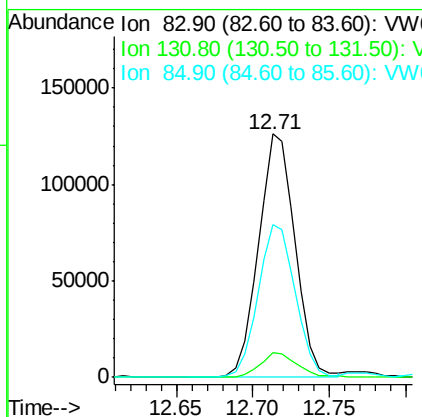
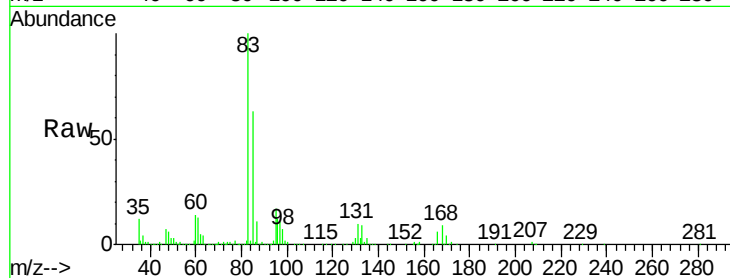
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	83	Resp:	209415
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.1	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#76

1,2,3-Trichloropropane

Concen: 81.714 ug/l m

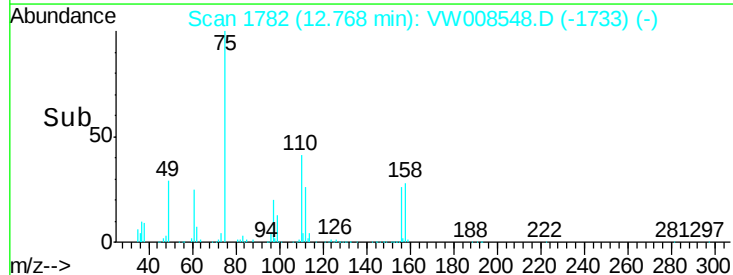
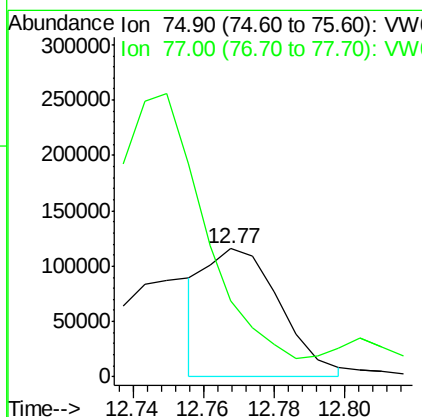
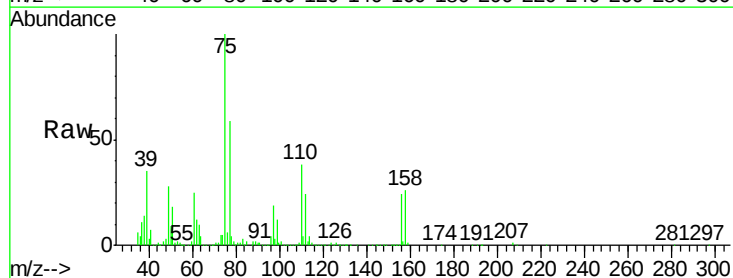
RT: 12.77 min Scan# 1782

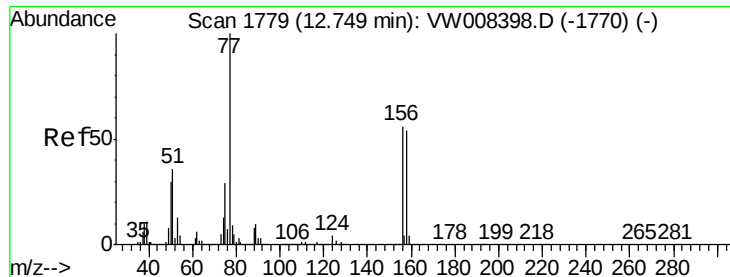
Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	75	Resp:	170971
Ion Ratio	Lower	Upper	
75	100		
77	283.6	180.7	542.1





#77

Bromobenzene

Concen: 64.746 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

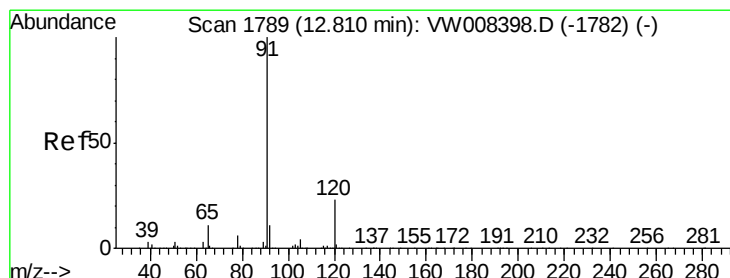
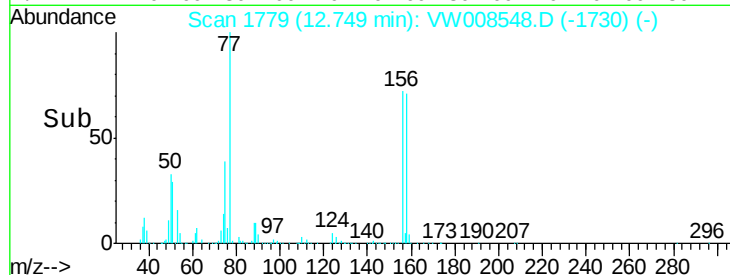
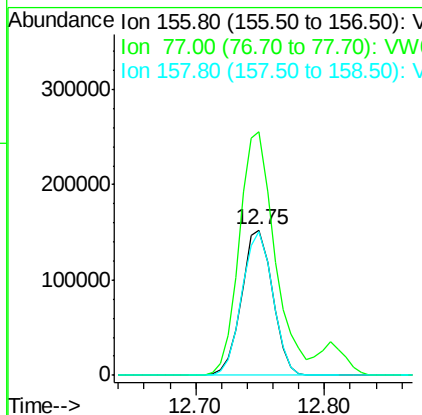
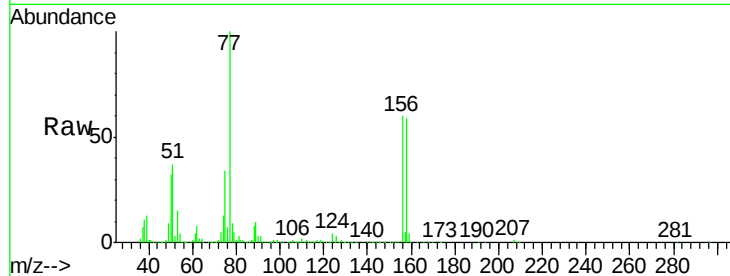
ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:	156	Resp:	253689
Ion Ratio	Lower	Upper	
156	100		
77	191.1	96.9	290.7
158	98.2	48.8	146.4

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#78

n-propylbenzene

Concen: 58.636 ug/l

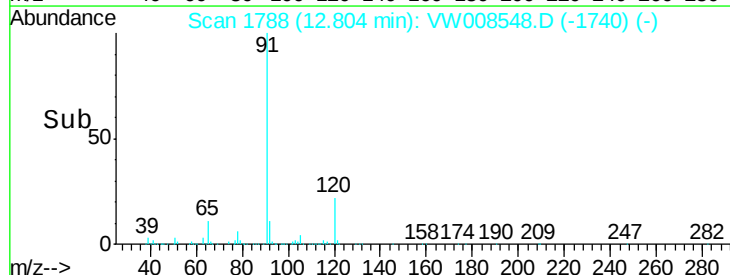
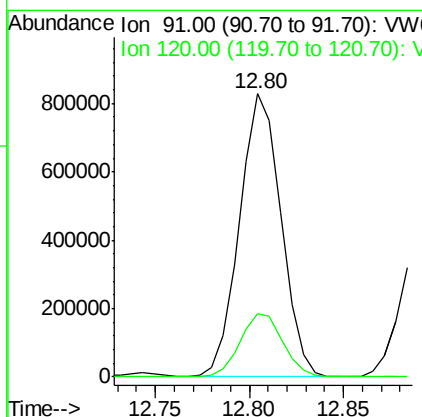
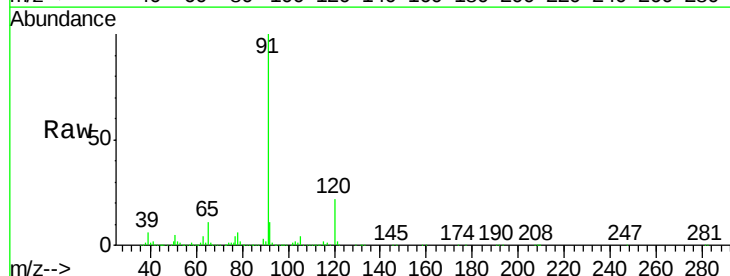
RT: 12.80 min Scan# 1788

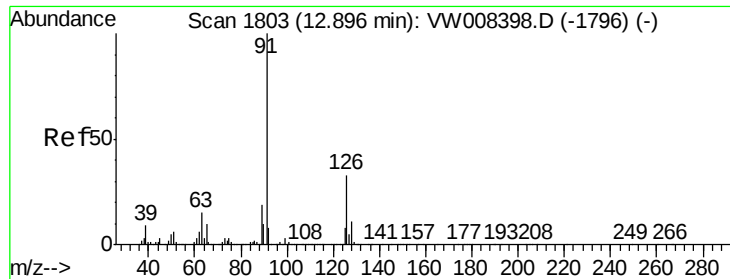
Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Tgt Ion:	91	Resp:	1263512
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.4	34.1





#79

2-Chlorotoluene

Concen: 60.828 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion: 91 Resp: 739651

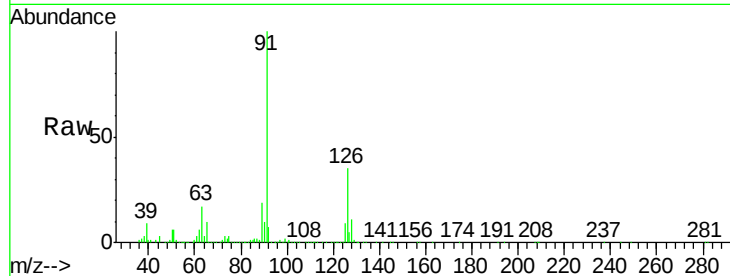
Ion Ratio Lower Upper

91 100

126 33.9 16.5 49.5

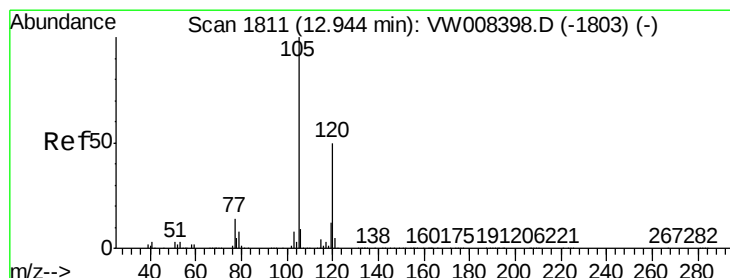
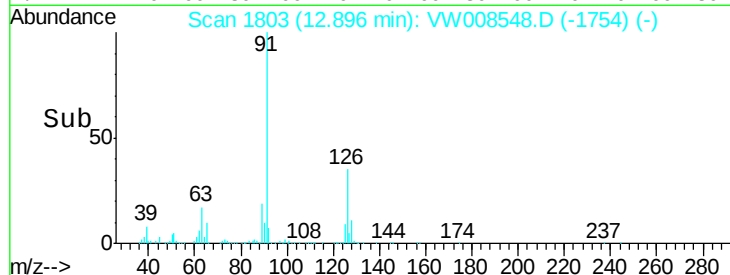
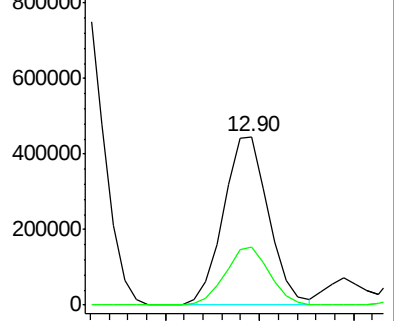
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 61.194 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008548.D

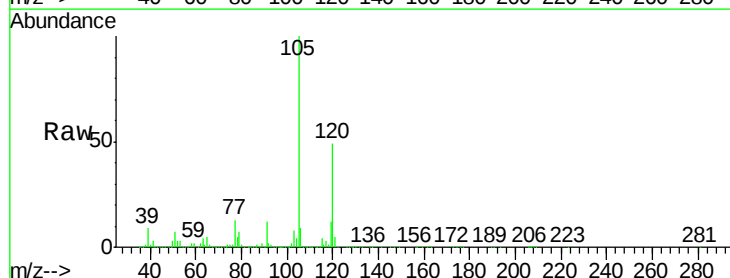
Acq: 07 Feb 2019 13:14

Tgt Ion: 105 Resp: 917650

Ion Ratio Lower Upper

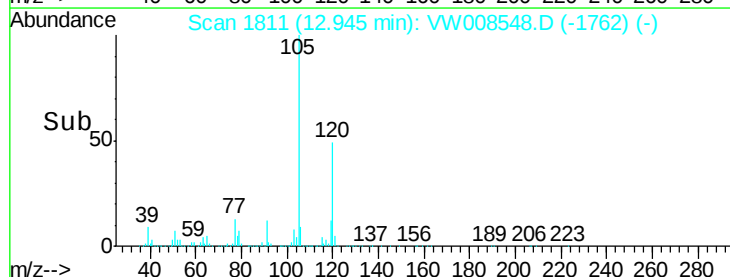
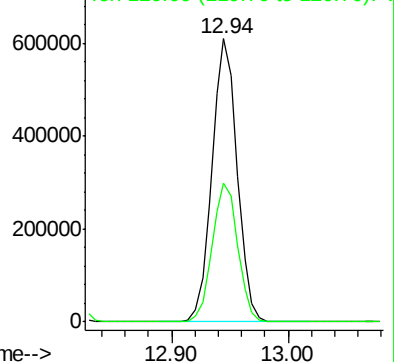
105 100

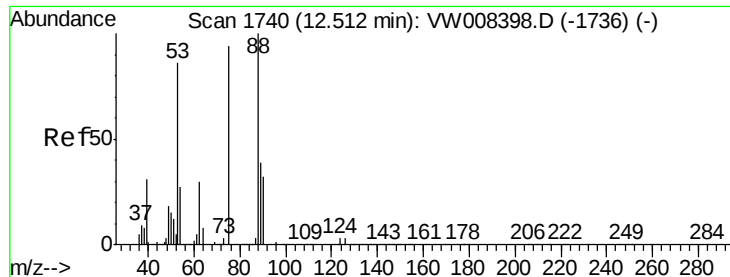
120 49.8 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





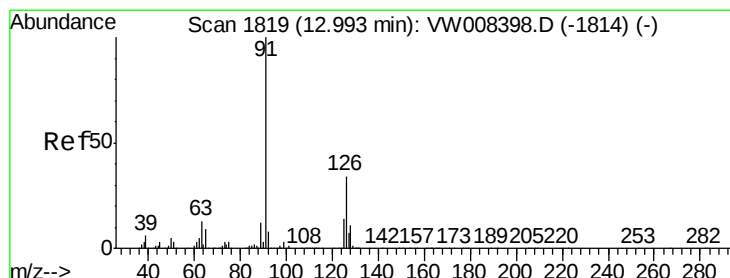
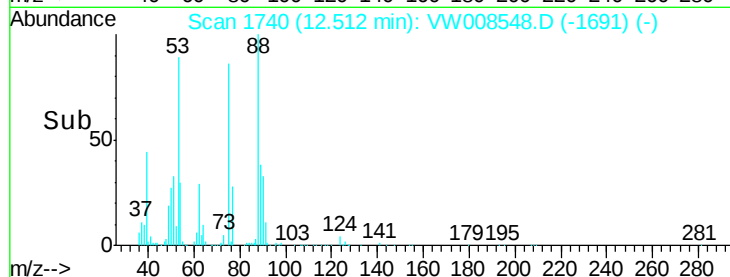
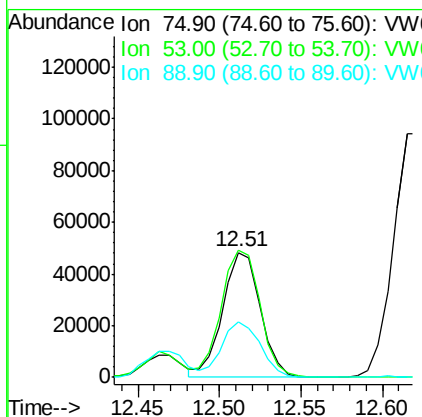
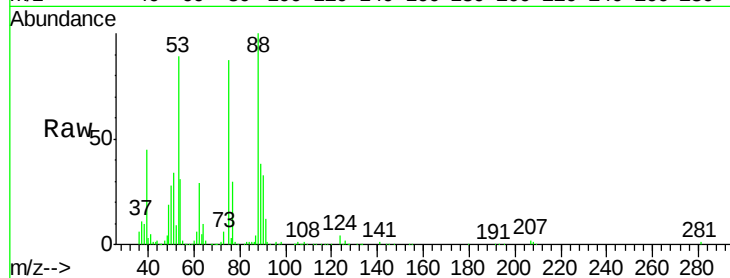
#81
trans-1,4-Dichloro-2-butene
Concen: 72.624 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.1	76.0	114.0
89	45.6	35.4	53.0

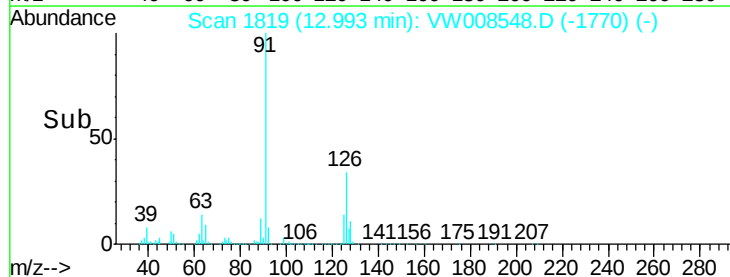
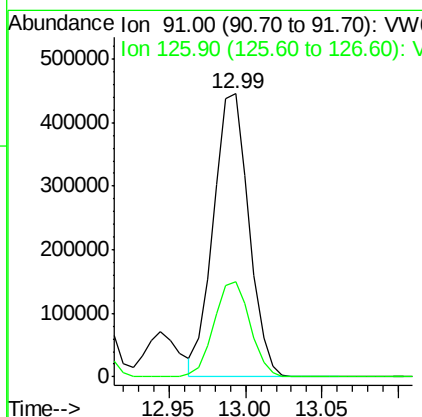
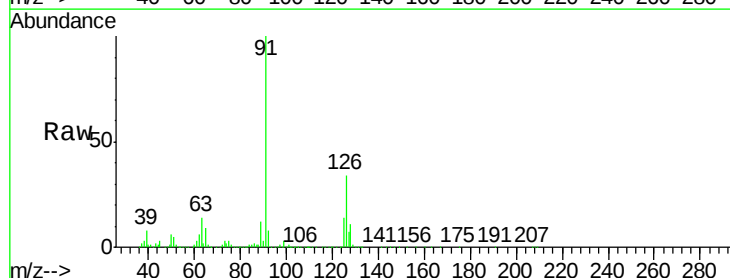
Manual Integrations
APPROVED

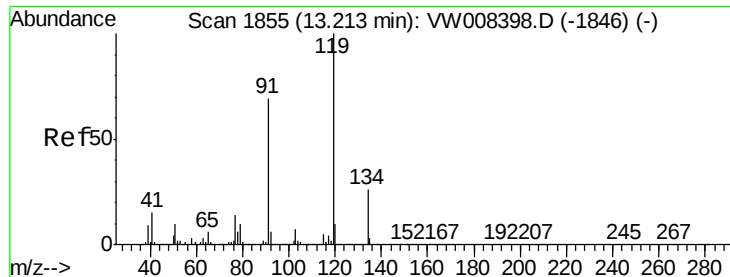
MMDadoda
2/11/2019 12:38:45 PM



#82
4-Chlorotoluene
Concen: 55.358 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.2





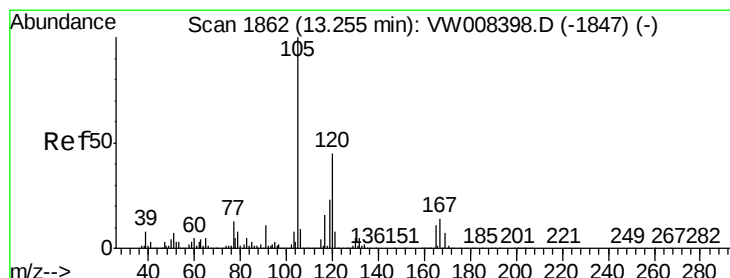
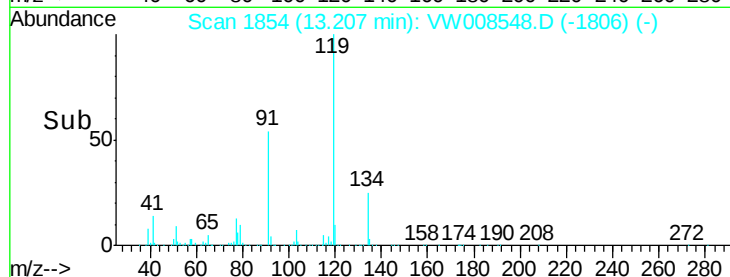
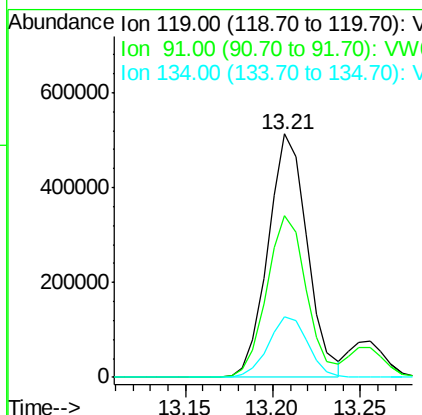
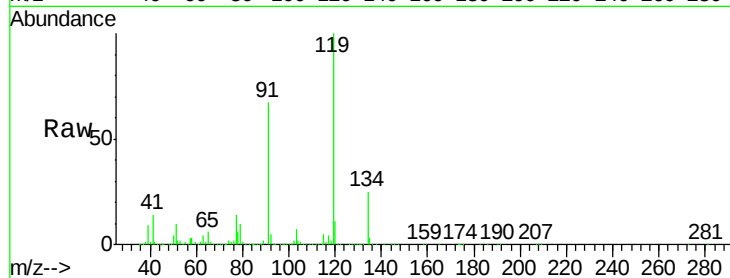
#83
tert-Butylbenzene
Concen: 60.070 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.8	101.4
134	25.4	13.5	40.4

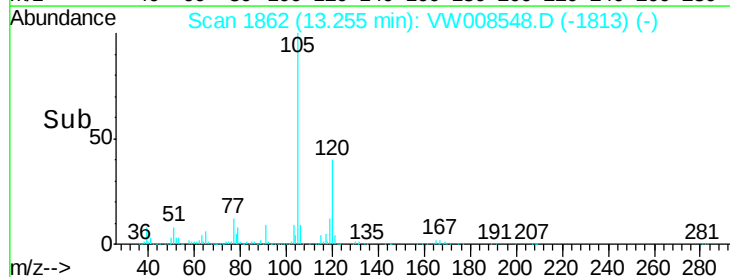
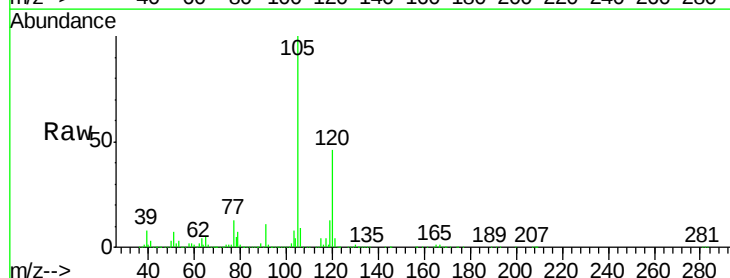
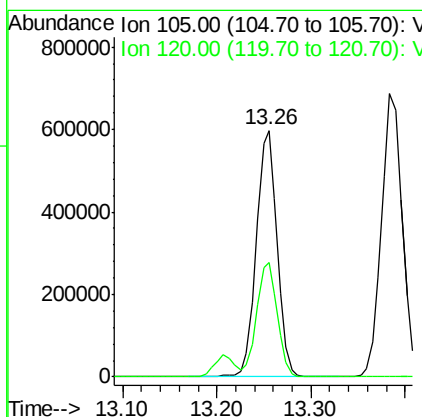
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#84
1,2,4-Trimethylbenzene
Concen: 61.062 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.2





#85

sec-Butylbenzene

Concen: 55.171 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

Instrument :

MSVOA_W

ClientSampleId :

98-SB-01-2-4MSD

Tot Ion:105 Resp: 1051434

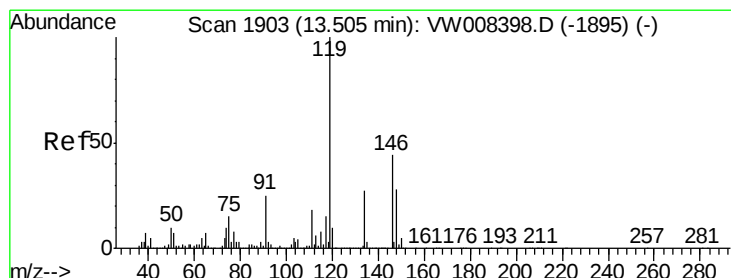
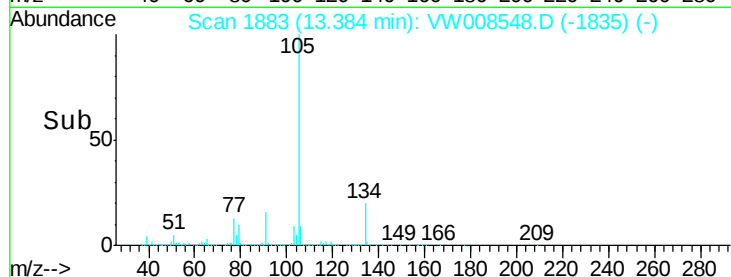
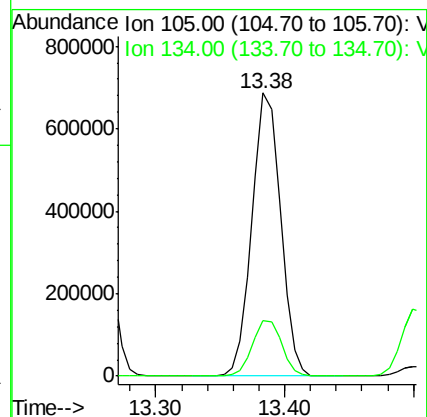
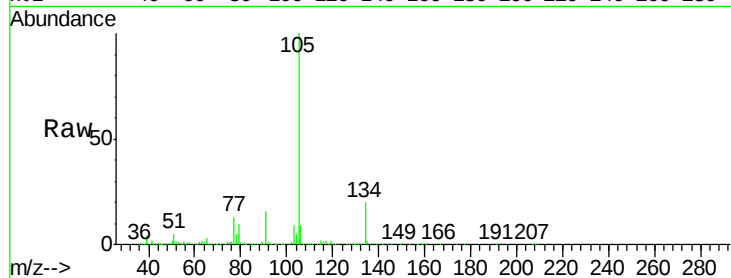
Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#86

p-Isopropyltoluene

Concen: 55.983 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008548.D

Acq: 07 Feb 2019 13:14

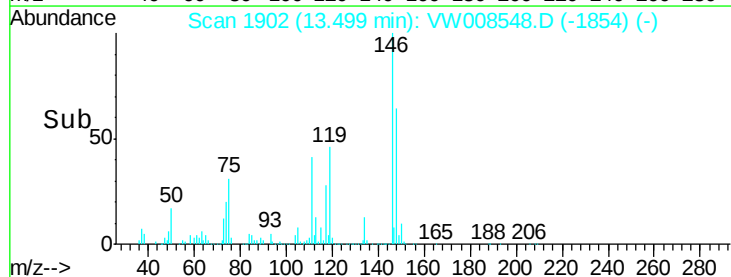
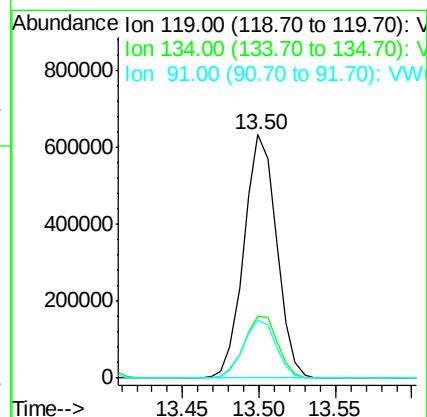
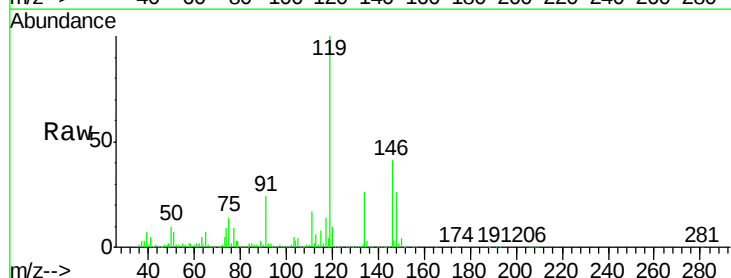
Tgt Ion:119 Resp: 934566

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 24.1 12.6 37.6





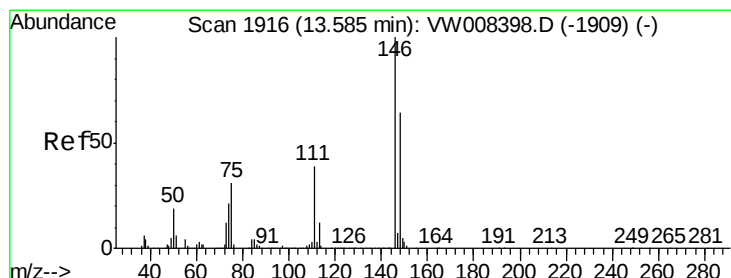
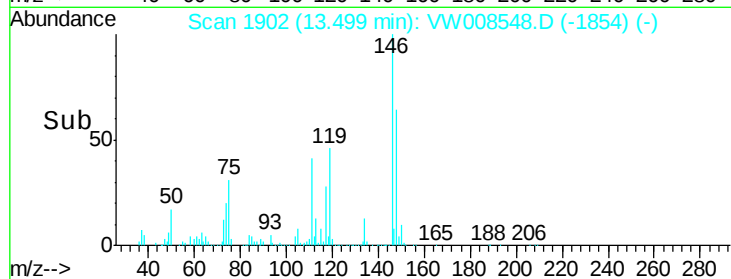
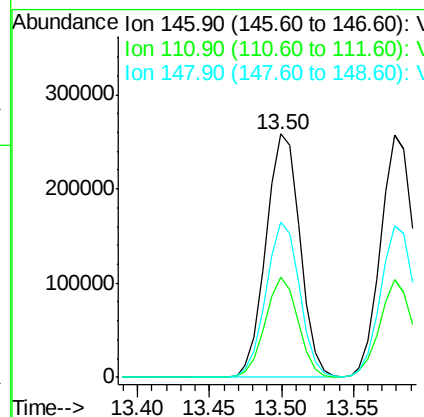
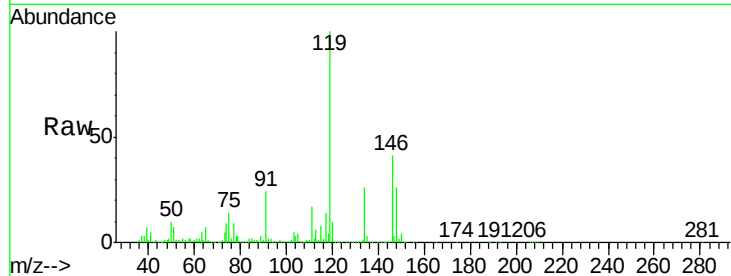
#87
 1,3-Dichlorobenzene
 Concen: 53.495 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	62.7	31.9	95.7

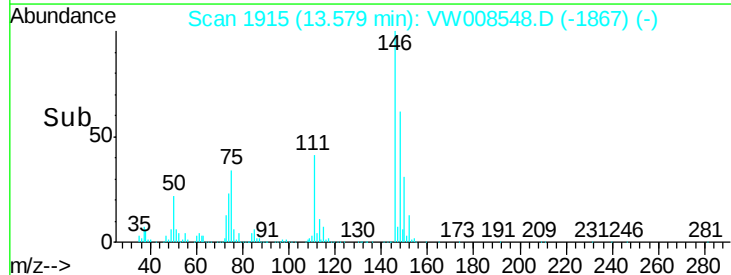
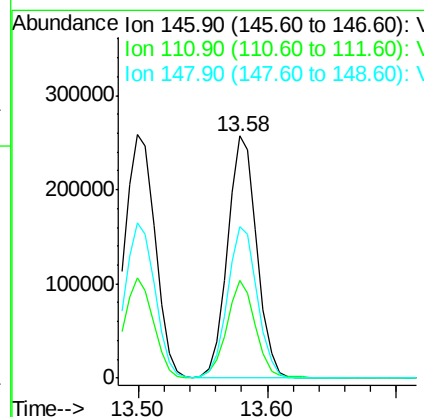
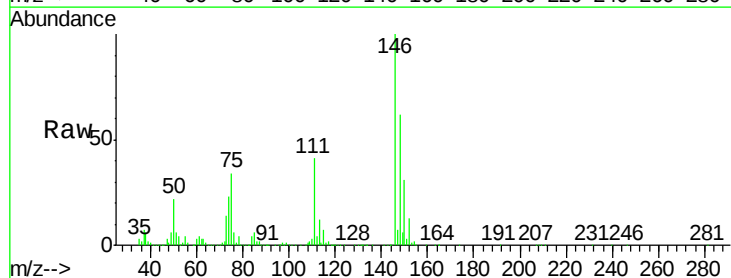
Manual Integrations
 APPROVED

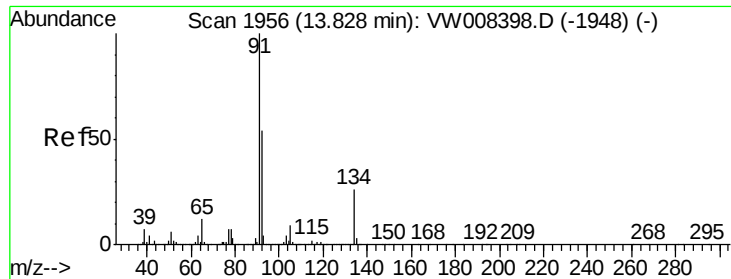
MMDadoda
 2/11/2019 12:38:45 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.868 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	63.7	32.0	96.2





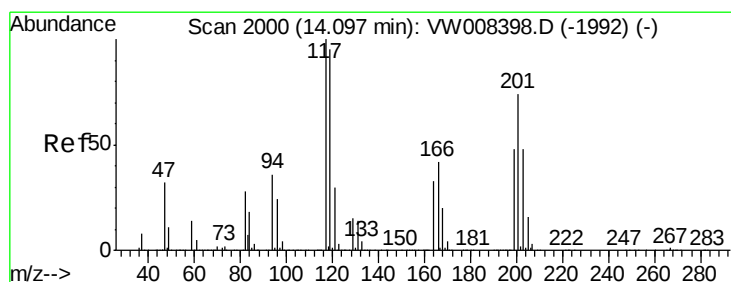
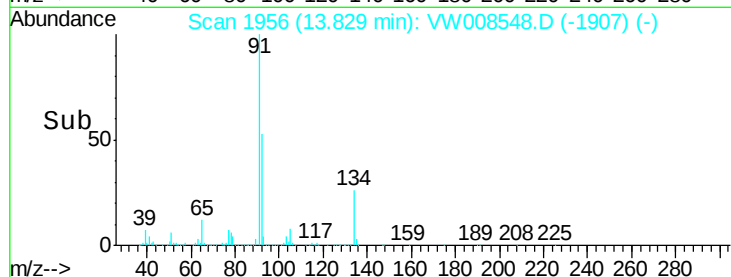
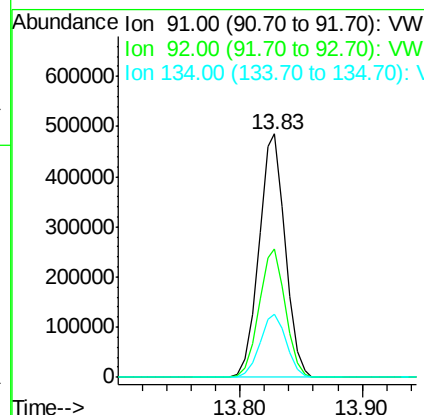
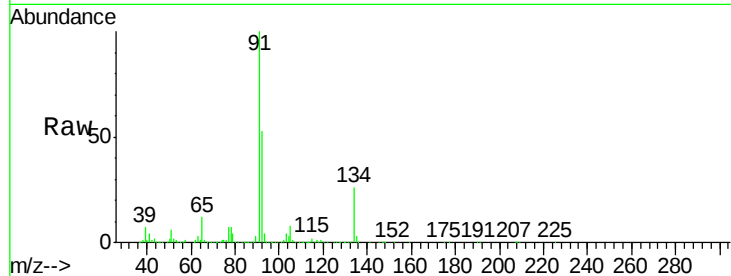
#89
n-Butylbenzene
Concen: 44.006 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.4	82.2
134	26.4	13.0	39.0

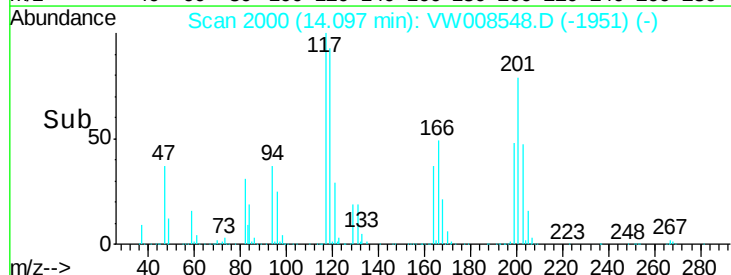
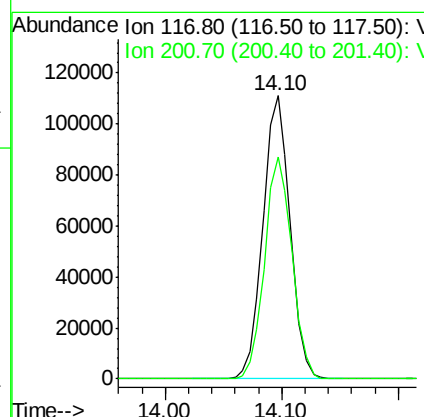
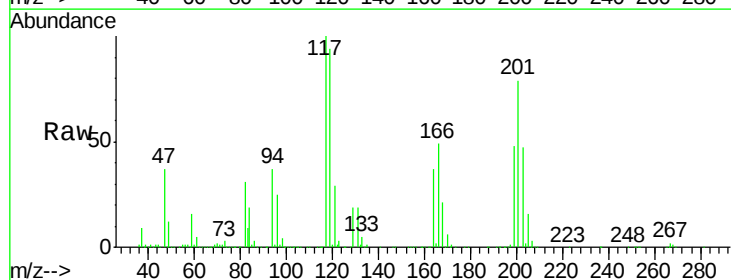
Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#90
Hexachloroethane
Concen: 55.245 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	39.1	117.5





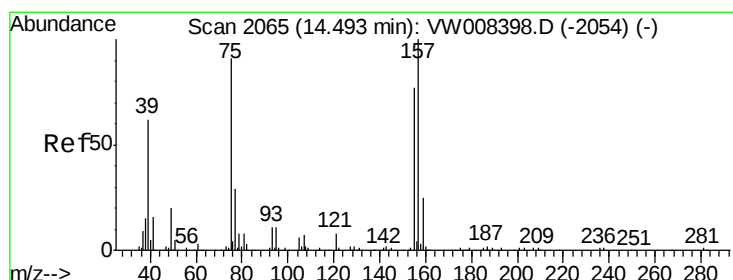
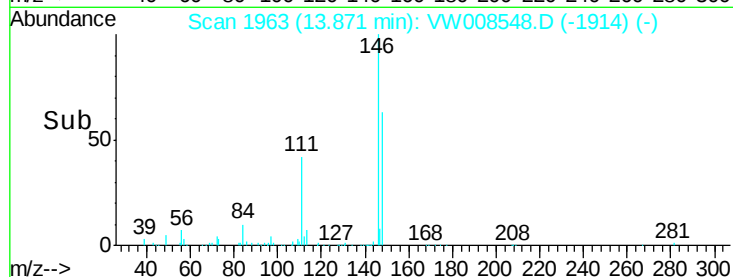
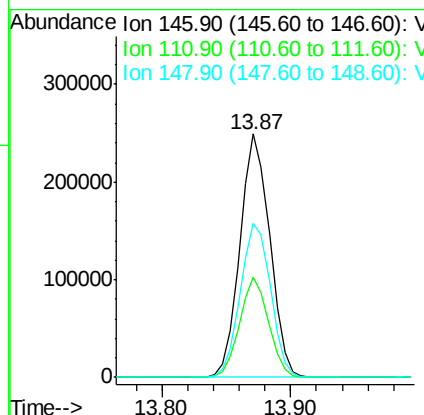
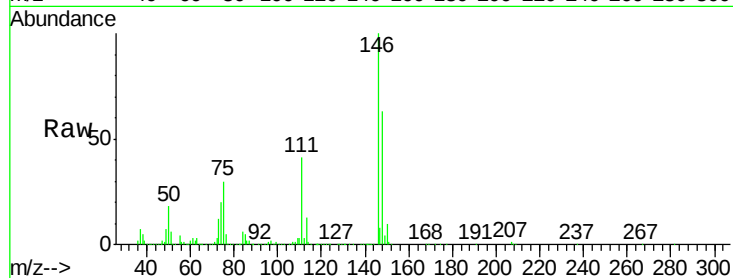
#91
 1,2-Dichlorobenzene
 Concen: 56.968 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.1	63.3
148	64.2	31.9	95.5

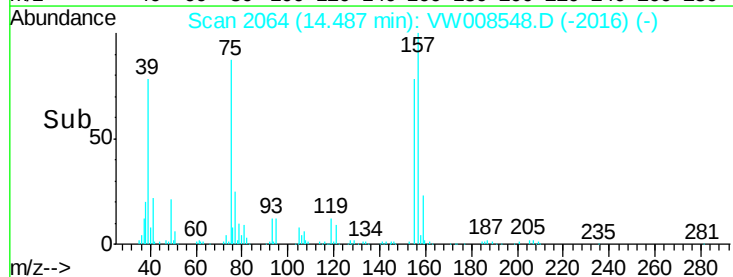
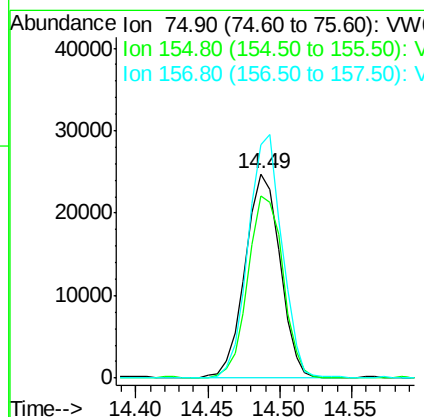
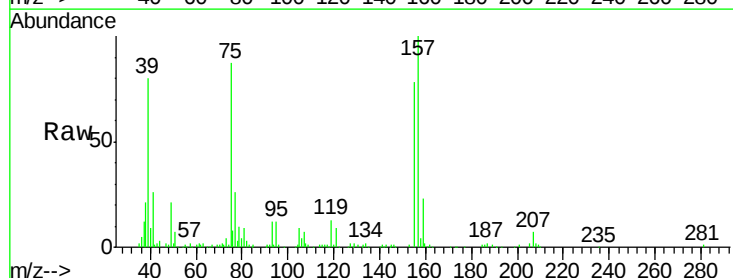
Manual Integrations
 APPROVED

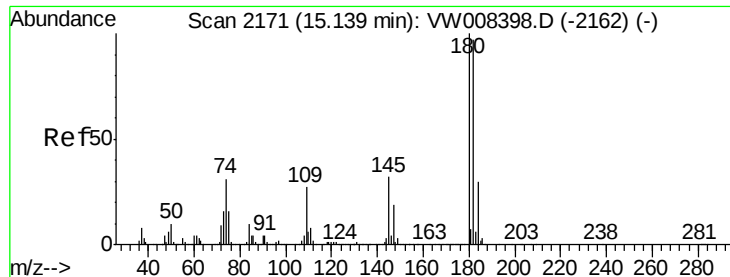
MMDadoda
 2/11/2019 12:38:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 77.409 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.0	42.7	128.1
157	114.7	55.5	166.3





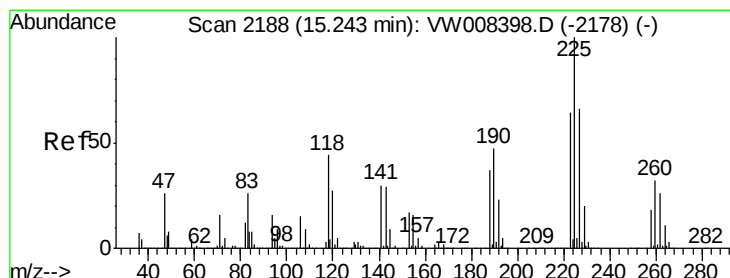
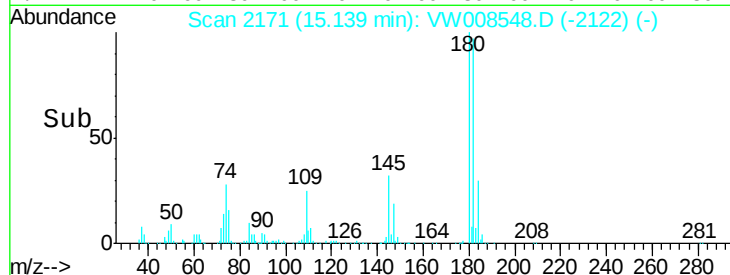
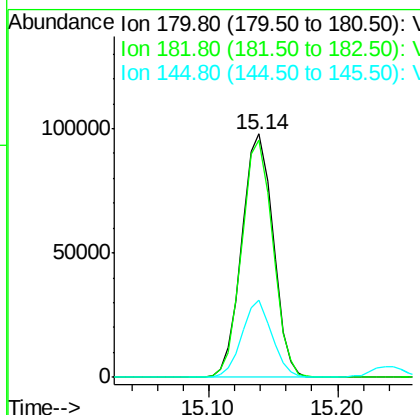
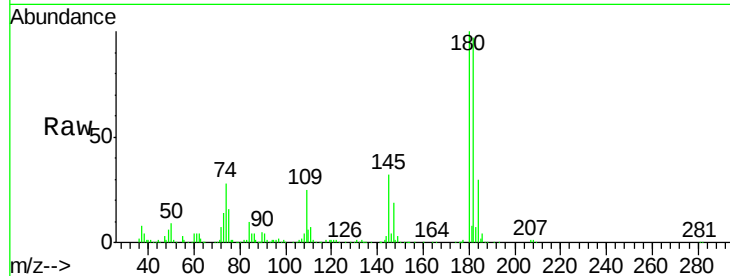
#93
 1,2,4-Trichlorobenzene
 Concen: 32.996 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 98-SB-01-2-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	164865		
182	96.3	47.9	143.7	
145	30.5	15.5	46.5	

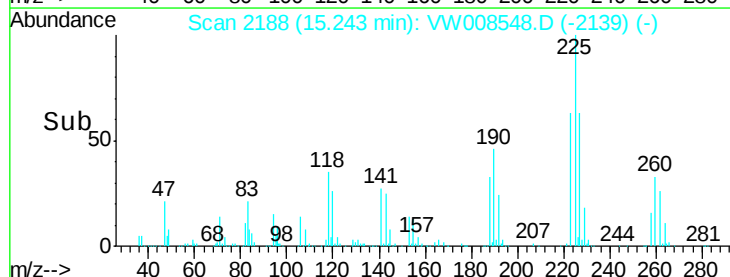
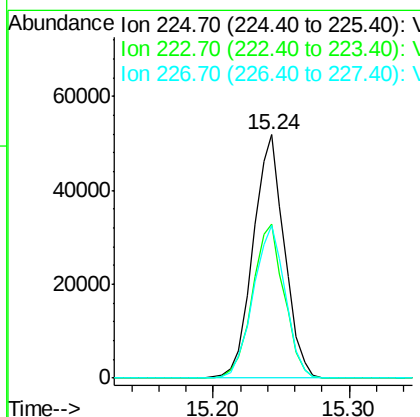
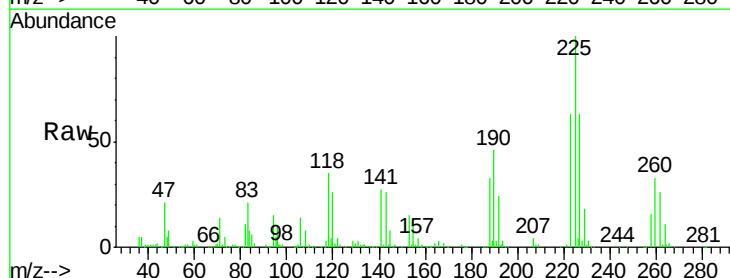
Manual Integrations
 APPROVED

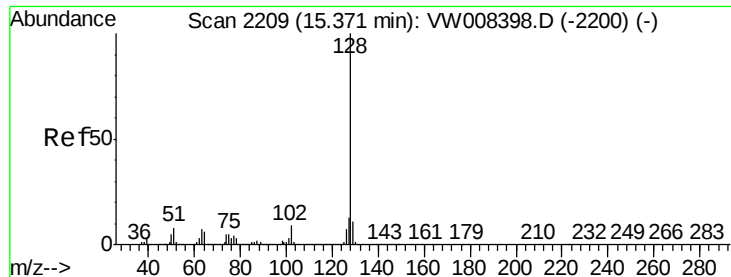
MMDadoda
 2/11/2019 12:38:45 PM



#94
 Hexachlorobutadiene
 Concen: 27.734 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008548.D
 Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	83514		
223	64.4	31.7	95.1	
227	64.3	32.1	96.3	





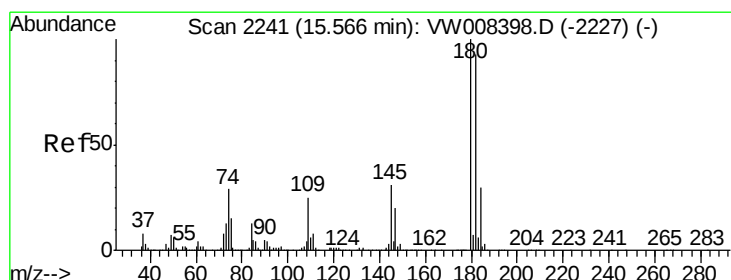
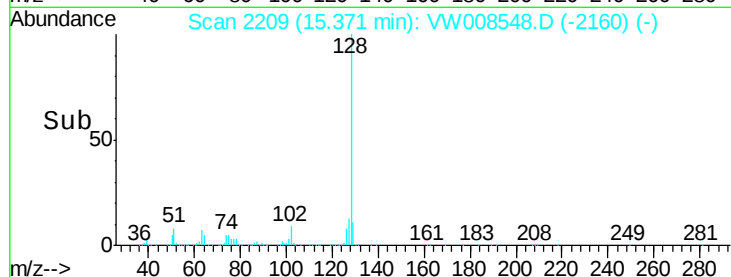
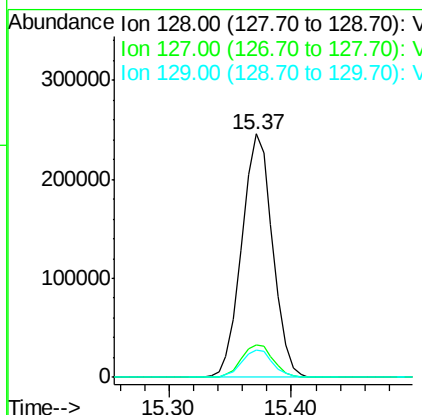
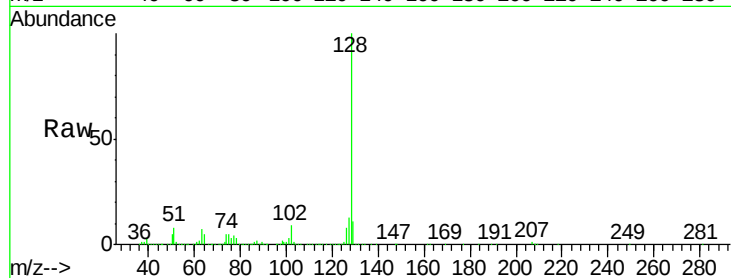
#95
Naphthalene
Concen: 49.045 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Instrument :
MSVOA_W
ClientSampleId :
98-SB-01-2-4MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	15.8
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/11/2019 12:38:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 34.144 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008548.D
Acq: 07 Feb 2019 13:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.0	141.2
145	34.0	15.9	47.6

