

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011999.D
 Acq On : 19 Aug 2019 19:36
 Operator : SY/VA
 Sample : VW0819SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:55:38 AM

Quant Time: Aug 20 05:43:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	256265	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	419831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	370337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176799	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	153275	52.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.18%	
35) Dibromofluoromethane	7.88	113	127572	54.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.32%	
50) Toluene-d8	10.32	98	515015	53.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.62	95	182524	53.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	32462	22.729	ug/l	98
3) Chloromethane	2.21	50	51176	20.664	ug/l	97
4) Vinyl Chloride	2.35	62	62486	20.958	ug/l	99
5) Bromomethane	2.76	94	32596	19.751	ug/l	98
6) Chloroethane	2.92	64	34945	20.518	ug/l	98
7) Trichlorofluoromethane	3.25	101	26779	20.097	ug/l	98
8) Diethyl Ether	3.68	74	30361	20.096	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	54283	21.475	ug/l	99
10) Methyl Iodide	4.27	142	75719	21.197	ug/l	98
11) Tert butyl alcohol	5.17	59	20136	80.642	ug/l	99
12) 1,1-Dichloroethene	4.04	96	55379	20.750	ug/l	93
13) Acrolein	3.89	56	12655	59.936	ug/l	96
14) Allyl chloride	4.67	41	114052	20.092	ug/l	100
15) Acrylonitrile	5.37	53	75150	99.645	ug/l	99
16) Acetone	4.12	43	68655	73.346	ug/l	95
17) Carbon Disulfide	4.38	76	160655	19.233	ug/l	98
18) Methyl Acetate	4.67	43	41172	19.579	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	89735	21.188	ug/l	99
20) Methylene Chloride	4.92	84	66451	20.584	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	58649	20.383	ug/l	97
22) Diisopropyl ether	6.31	45	224725	20.998	ug/l	99
23) Vinyl Acetate	6.26	43	668349	99.386	ug/l	99
24) 1,1-Dichloroethane	6.21	63	118846	20.735	ug/l	99
25) 2-Butanone	7.17	43	104579	85.382	ug/l	99
26) 2,2-Dichloropropane	7.17	77	63843	18.112	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	64953	20.511	ug/l	99
28) Bromochloromethane	7.51	49	54742	21.517	ug/l #	99
29) Tetrahydrofuran	7.53	42	68476	97.805	ug/l	99
30) Chloroform	7.68	83	110158	20.832	ug/l	96
31) Cyclohexane	7.95	56	112867	20.514	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	83341	20.695	ug/l	99
36) 1,1-Dichloropropene	8.08	75	88536	20.281	ug/l	99
37) Ethyl Acetate	7.25	43	49017	19.516	ug/l	100
38) Carbon Tetrachloride	8.07	117	76392	20.441	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011999.D
 Acq On : 19 Aug 2019 19:36
 Operator : SY/VA
 Sample : VW0819SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0819SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:55:38 AM

Quant Time: Aug 20 05:43:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	98446	20.480	ug/l	98
40) Benzene	8.32	78	252901	20.682	ug/l	100
41) Methacrylonitrile	7.48	41	32066	21.358	ug/l	95
42) 1,2-Dichloroethane	8.40	62	76352	19.944	ug/l	98
43) Isopropyl Acetate	8.42	43	91519	19.814	ug/l	99
44) Trichloroethene	9.09	130	61066	20.778	ug/l	98
45) 1,2-Dichloropropane	9.37	63	67112	20.512	ug/l	96
46) Dibromomethane	9.46	93	30584	20.481	ug/l	97
47) Bromodichloromethane	9.65	83	78486	20.037	ug/l	100
48) Methyl methacrylate	9.43	41	43642	19.669	ug/l	100
49) 1,4-Dioxane	9.45	88	9352	432.520	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	233000	96.980	ug/l	100
52) Toluene	10.39	92	151775	20.553	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	79974	19.545	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	97255	19.990	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	43117	20.350	ug/l	97
56) Ethyl methacrylate	10.65	69	62106	20.031	ug/l	100
57) 1,3-Dichloropropane	10.93	76	81554	20.345	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	165529	117.586	ug/l	99
59) 2-Hexanone	10.97	43	158784	93.603	ug/l	99
60) Dibromochloromethane	11.13	129	47069	20.013	ug/l	100
61) 1,2-Dibromoethane	11.23	107	40637	20.267	ug/l	99
64) Tetrachloroethene	10.86	164	50335	20.875	ug/l	97
65) Chlorobenzene	11.66	112	153411	20.604	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52636	20.296	ug/l	99
67) Ethyl Benzene	11.73	91	291376	20.548	ug/l	100
68) m/p-Xylenes	11.84	106	214628	41.619	ug/l	98
69) o-Xylene	12.16	106	100225	20.914	ug/l	100
70) Styrene	12.18	104	170653	20.596	ug/l	99
71) Bromoform	12.35	173	26071	19.716	ug/l #	97
73) Isopropylbenzene	12.46	105	276207	20.941	ug/l	99
74) N-amyl acetate	12.27	43	82677	20.022	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	51113	20.602	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35175m	18.803	ug/l	
77) Bromobenzene	12.74	156	60833	20.867	ug/l	99
78) n-propylbenzene	12.80	91	336423	20.959	ug/l	100
79) 2-Chlorotoluene	12.89	91	192885	20.858	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	233451	21.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15614	19.236	ug/l	96
82) 4-Chlorotoluene	12.99	91	202510	20.872	ug/l	100
83) tert-Butylbenzene	13.21	119	197512	21.363	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	233651	20.979	ug/l	100
85) sec-Butylbenzene	13.38	105	279684	21.200	ug/l	100
86) p-Isopropyltoluene	13.50	119	251654	21.024	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	117554	20.565	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	117919	20.737	ug/l	99
89) n-Butylbenzene	13.82	91	245749	20.573	ug/l	100
90) Hexachloroethane	14.09	117	43206	20.413	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	105979	20.962	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8489	20.065	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011999.D
Acq On : 19 Aug 2019 19:36
Operator : SY/VA
Sample : VW0819SBSD02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD02

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM

Quant Time: Aug 20 05:43:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	75038	21.059	ug/l	98
94) Hexachlorobutadiene	15.24	225	48077	21.636	ug/l	99
95) Naphthalene	15.36	128	131633	20.146	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	65516	20.976	ug/l	98

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

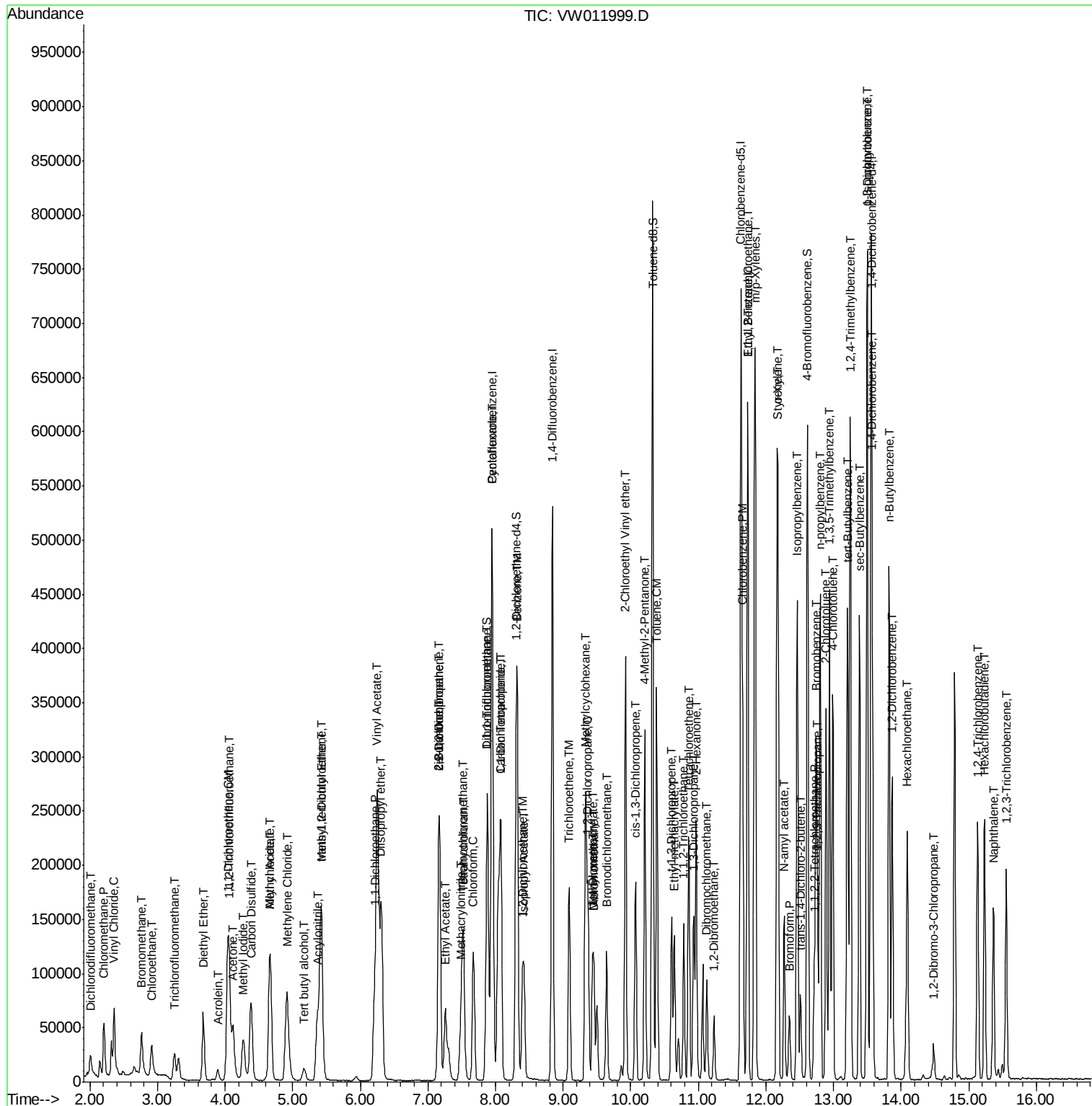
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW081919\
Data File : VW011999.D
Acq On : 19 Aug 2019 19:36
Operator : SY/VA
Sample : VW0819SBSD02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 26 Sample Multiplier: 1

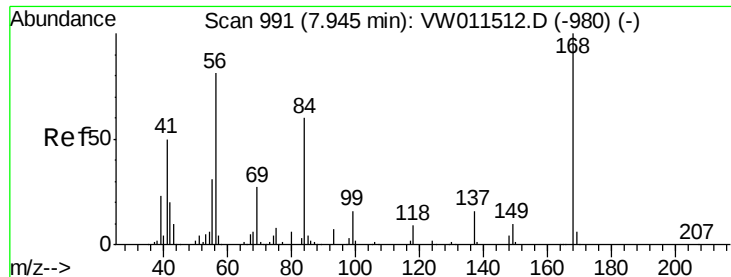
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD02

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM

Quant Time: Aug 20 05:43:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion:168 Resp: 256265

Ion Ratio Lower Upper

168 100

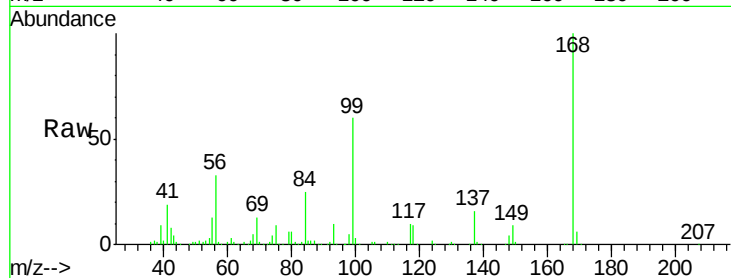
99 60.0 48.2 72.4

Manual Integrations

APPROVED

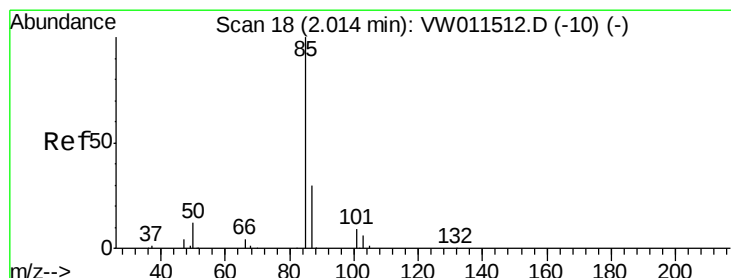
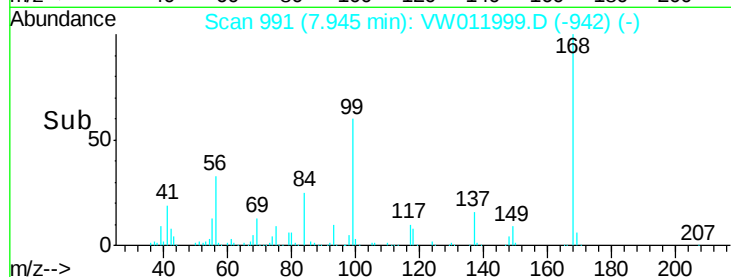
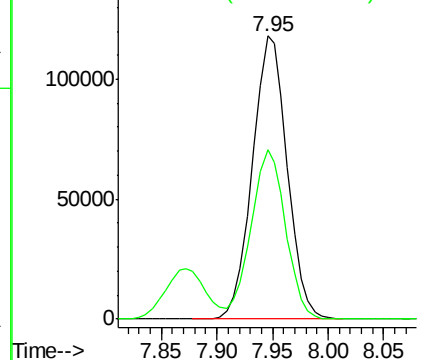
MMDadoda

8/20/2019 9:55:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.729 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW011999.D

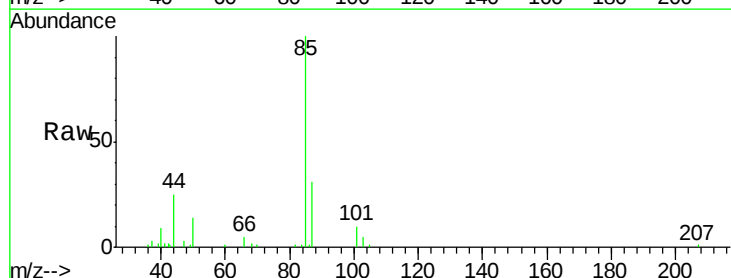
Acq: 19 Aug 2019 19:36

Tgt Ion: 85 Resp: 32462

Ion Ratio Lower Upper

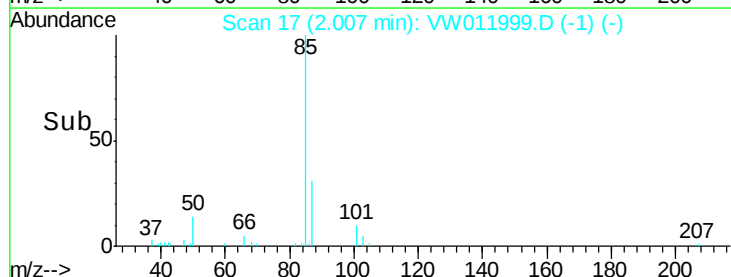
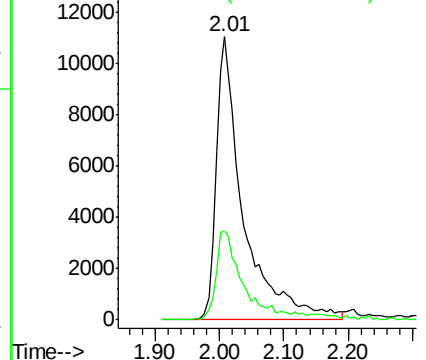
85 100

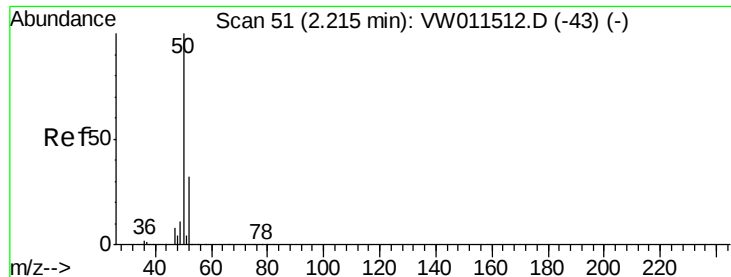
87 31.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.664 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 50 Resp: 51176

Ion Ratio Lower Upper

50 100

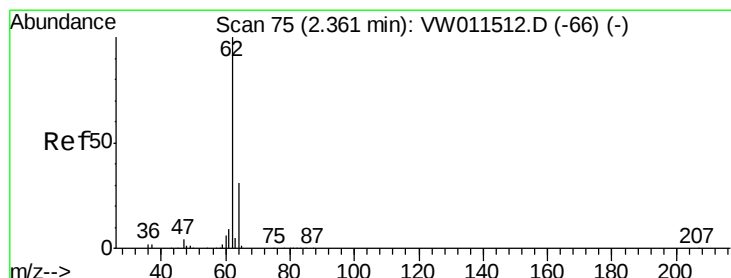
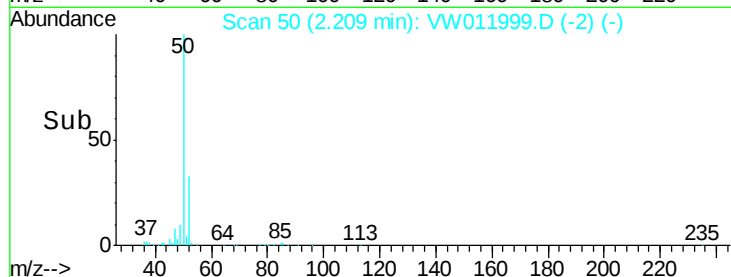
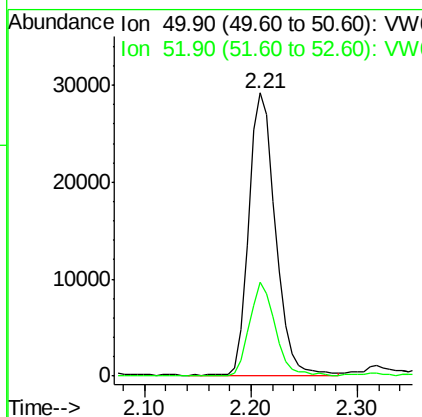
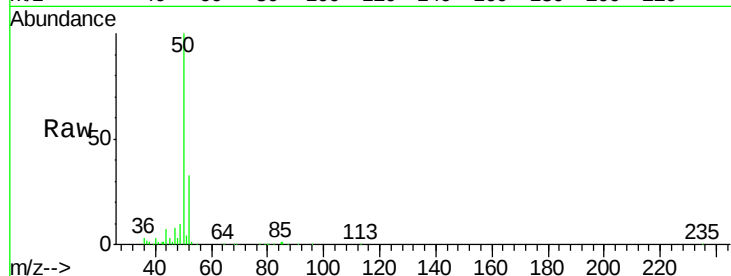
52 33.3 25.4 38.2

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



#4

Vinyl Chloride

Concen: 20.958 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011999.D

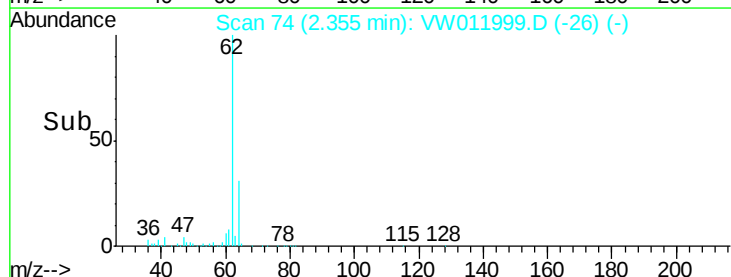
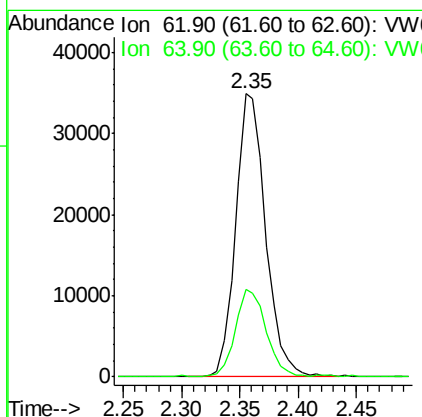
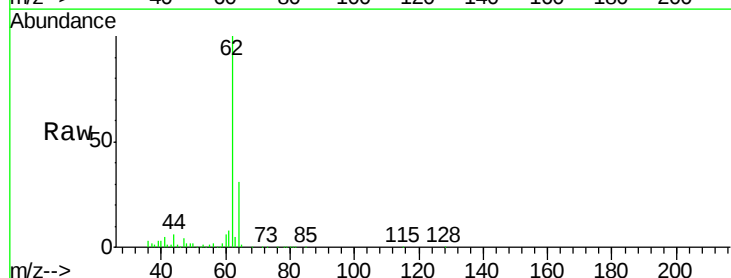
Acq: 19 Aug 2019 19:36

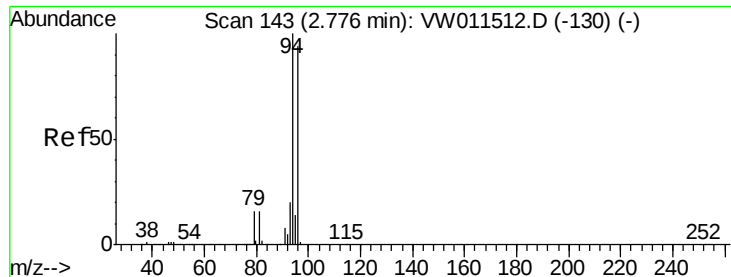
Tgt Ion: 62 Resp: 62486

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.4





#5

Bromomethane

Concen: 19.751 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 94 Resp: 32596

Ion Ratio Lower Upper

94 100

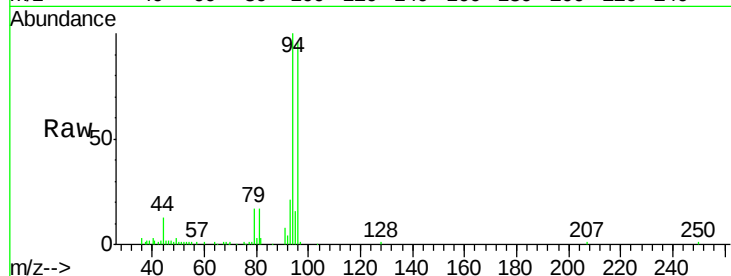
96 96.0 75.0 112.6

Manual Integrations

APPROVED

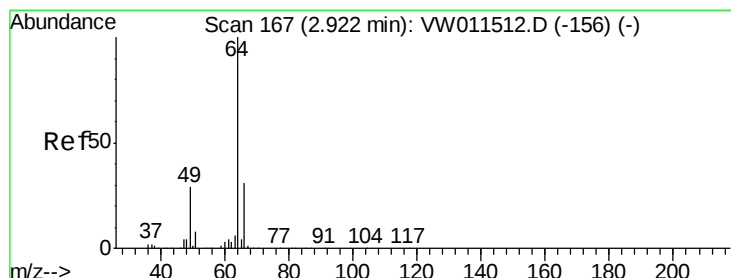
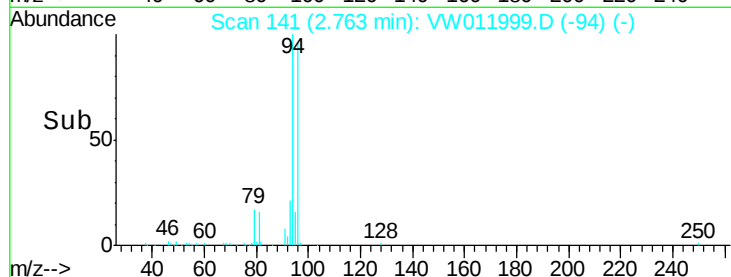
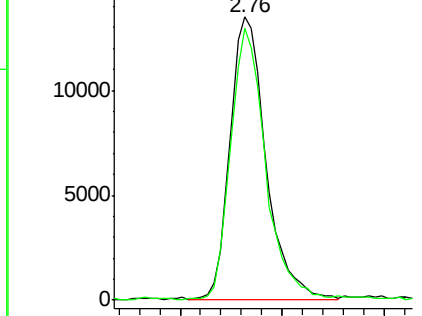
MMDadoda

8/20/2019 9:55:38 AM



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 20.518 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW011999.D

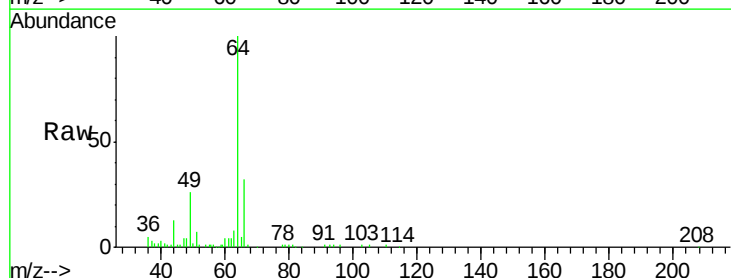
Acq: 19 Aug 2019 19:36

Tgt Ion: 64 Resp: 34945

Ion Ratio Lower Upper

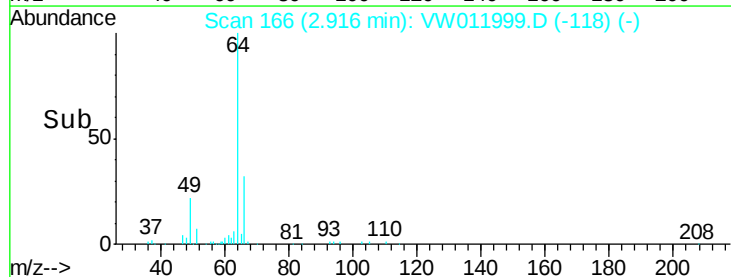
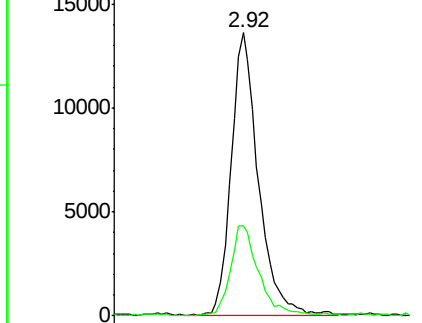
64 100

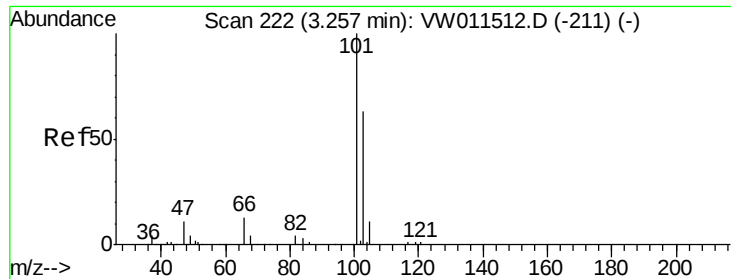
66 31.8 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

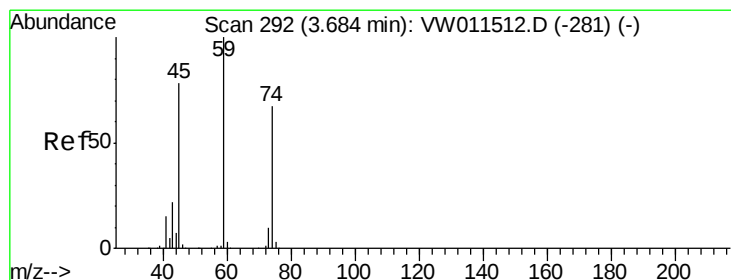
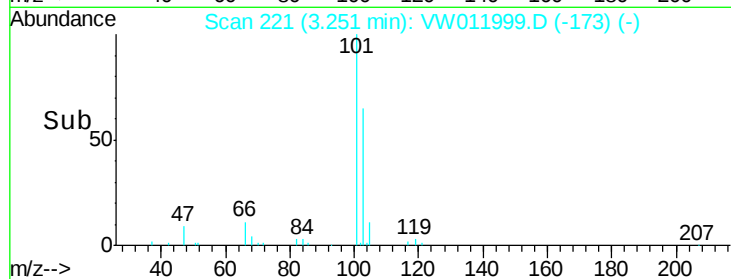
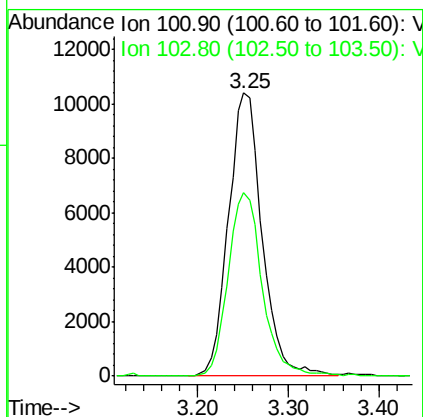
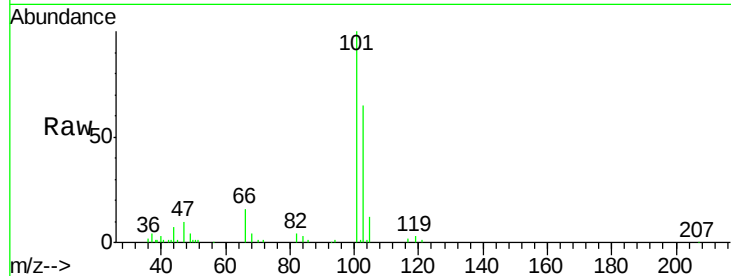
Trichlorofluoromethane
 Concen: 20.097 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	26779		
103	64.7	50.2	75.4	

Manual Integrations
 APPROVED

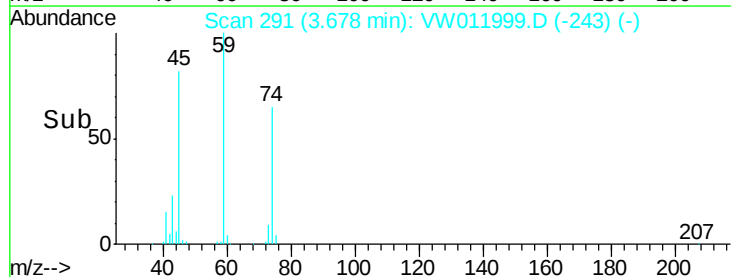
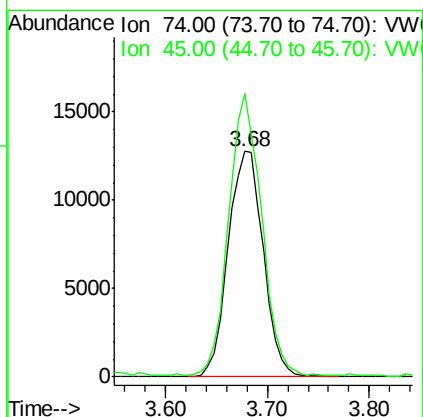
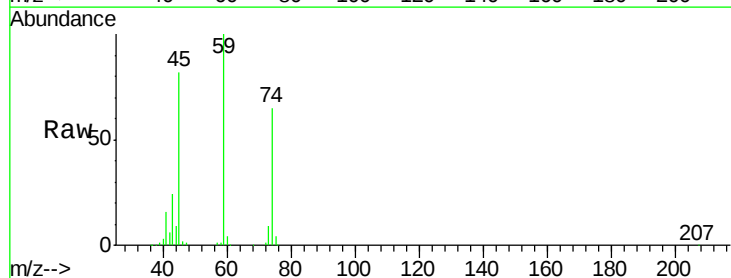
MMDadoda
 8/20/2019 9:55:38 AM

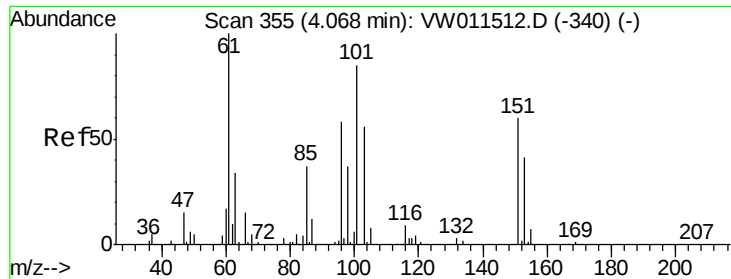


#8

Diethyl Ether
 Concen: 20.096 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	30361		
45	117.3	59.6	178.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.475 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

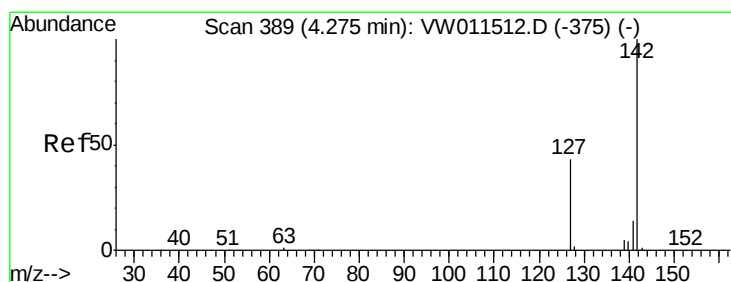
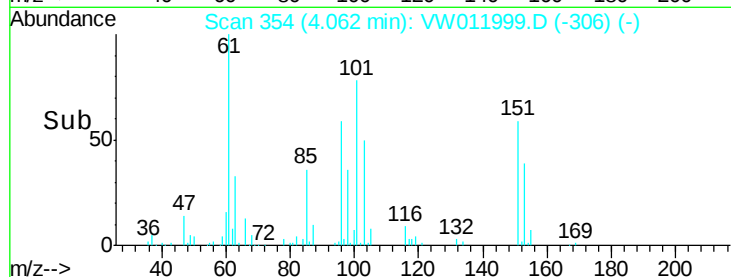
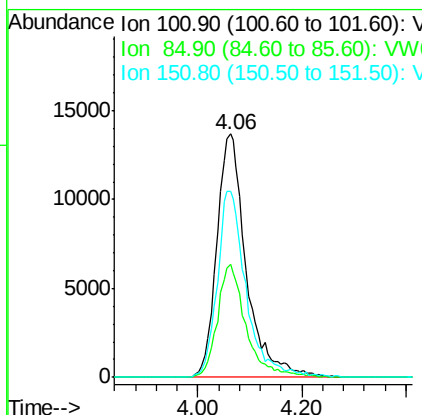
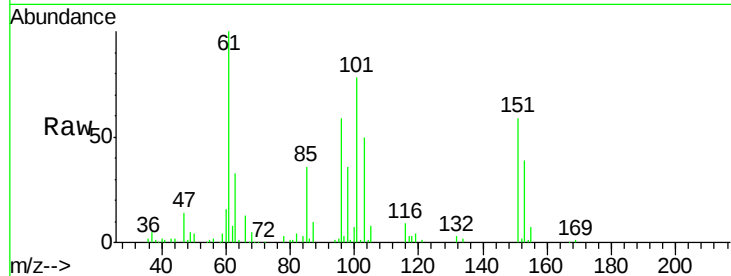
ClientSampleId :

VW0819SBS02

Tot Ion:	101	Resp:	54283
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.6	54.8
151	74.8	60.2	90.2

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#10

Methyl Iodide

Concen: 21.197 ug/l

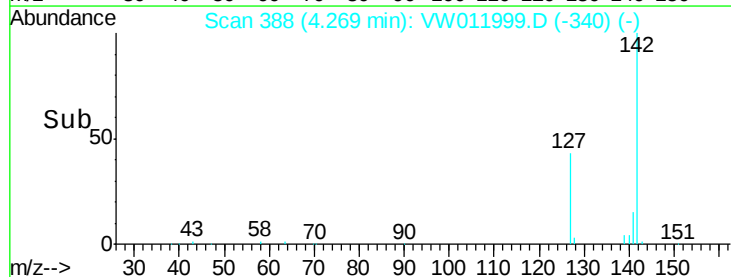
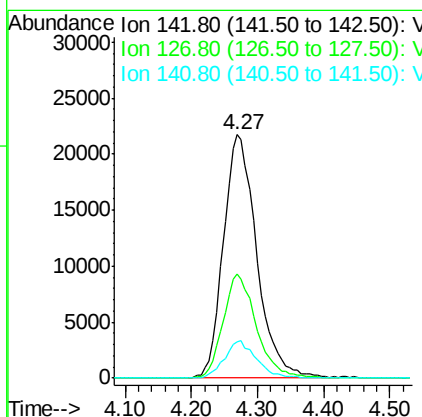
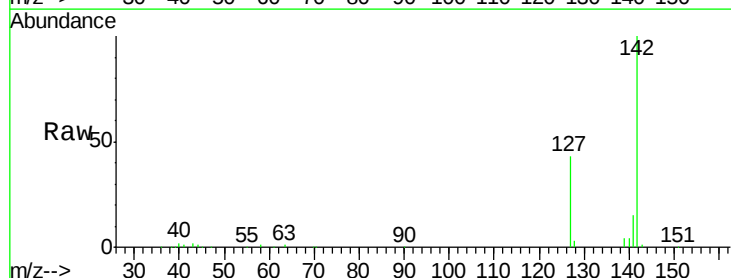
RT: 4.27 min Scan# 388

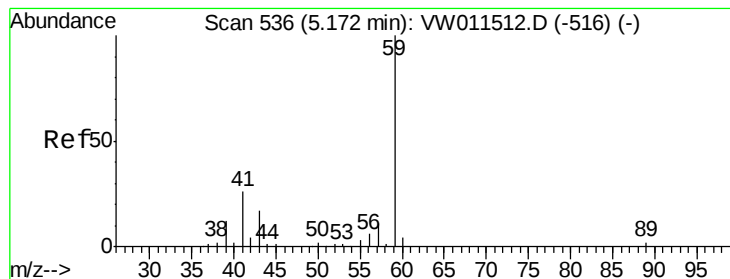
Delta R.T. -0.01 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Tgt Ion:	142	Resp:	75719
Ion Ratio	Lower	Upper	
142	100		
127	42.5	35.0	52.6
141	14.7	11.9	17.9





#11

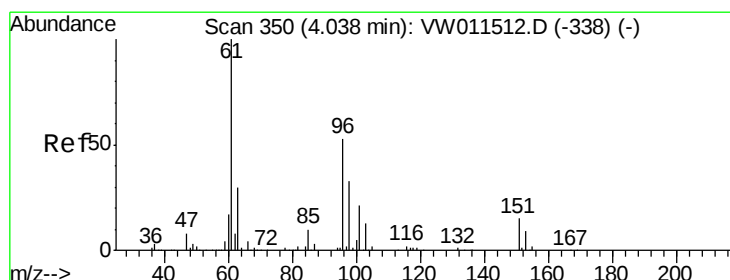
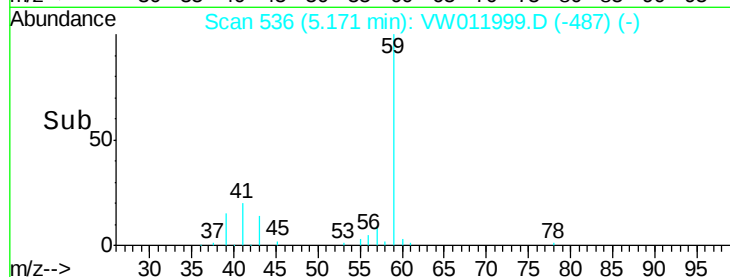
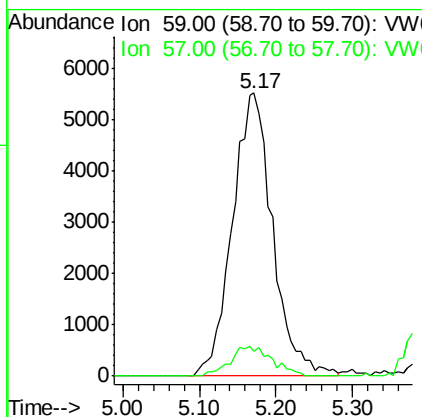
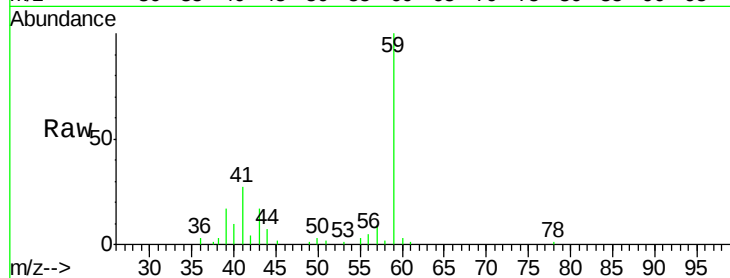
Tert butyl alcohol
 Concen: 80.642 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	59	57	Ratio	100	11.0	Resp:	20136	Lower	8.5	Upper	12.7
Ion	59	57	Ratio	100	11.0	Resp:	20136	Lower	8.5	Upper	12.7

Manual Integrations
 APPROVED

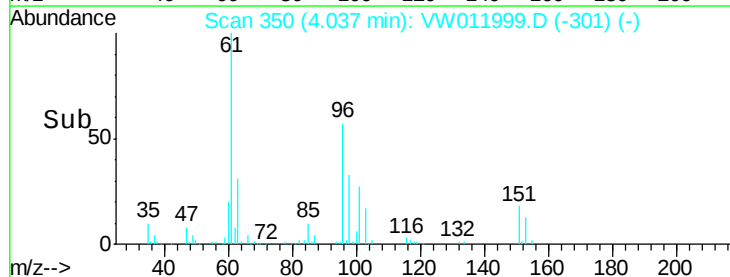
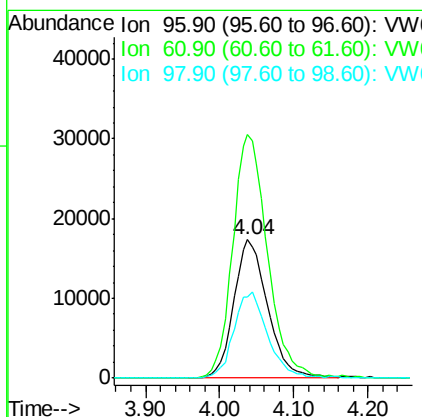
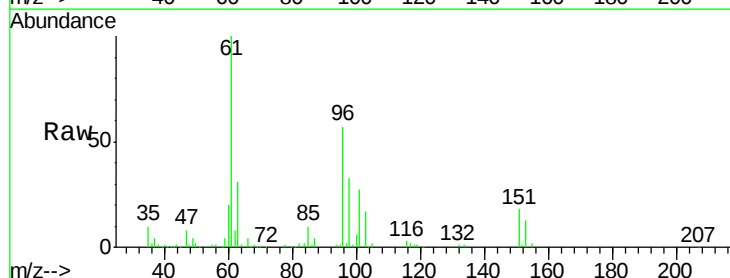
MMDadoda
 8/20/2019 9:55:38 AM

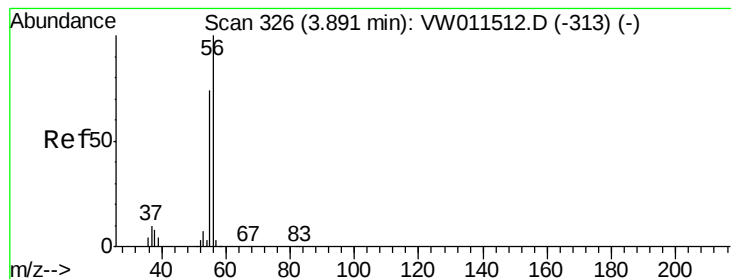


#12

1,1-Dichloroethene
 Concen: 20.750 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	96	61	98	Ratio	100	175.9	58.2	Resp:	55379	Lower	149.9	49.1	Upper	224.9	73.7
Ion	96	61	98	Ratio	100	175.9	58.2	Resp:	55379	Lower	149.9	49.1	Upper	224.9	73.7





#13

Acrolein

Concen: 59.936 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 56 Resp: 12655

Ion Ratio Lower Upper

56 100

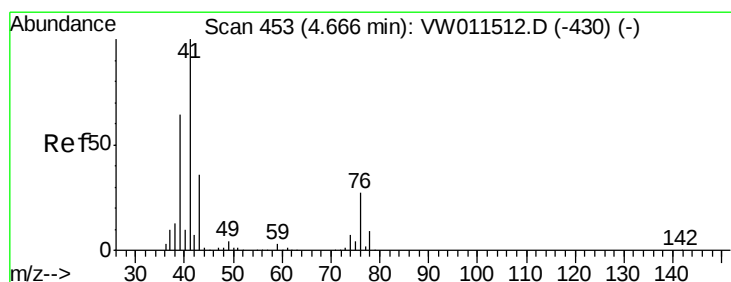
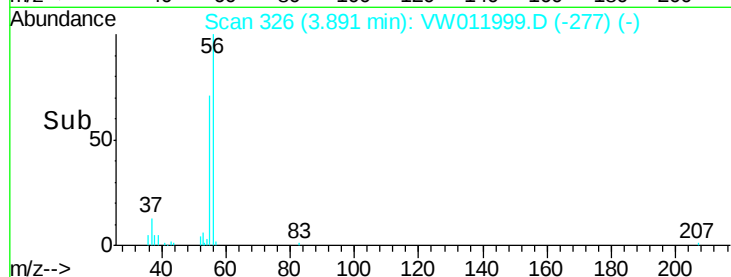
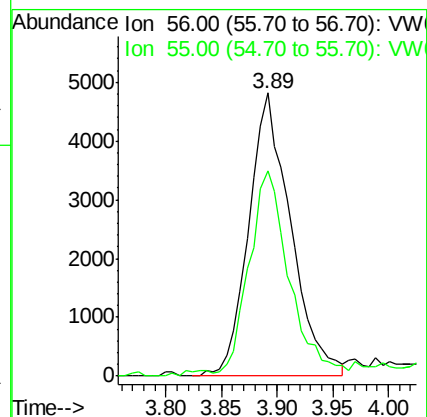
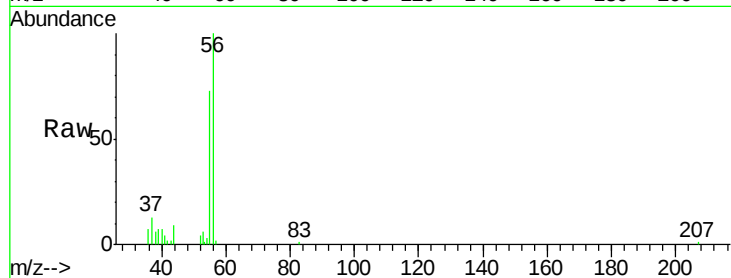
55 66.7 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



#14

Allyl chloride

Concen: 20.092 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

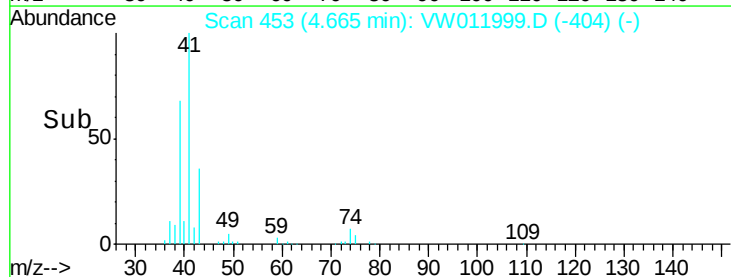
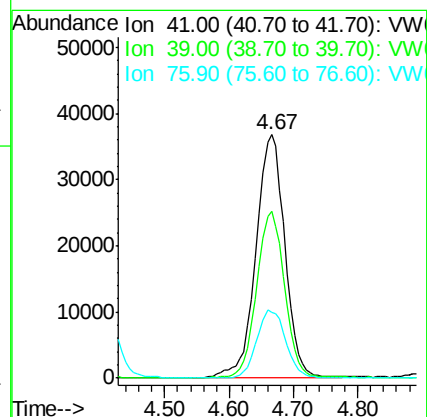
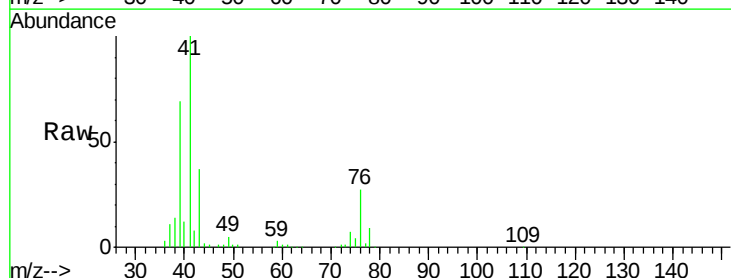
Tgt Ion: 41 Resp: 114052

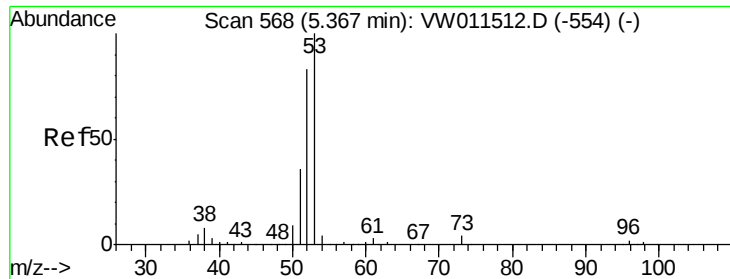
Ion Ratio Lower Upper

41 100

39 66.1 52.6 78.8

76 27.8 22.0 33.0





#15

Acrylonitrile

Concen: 99.645 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

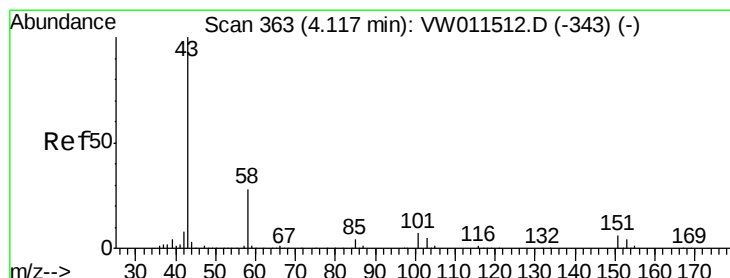
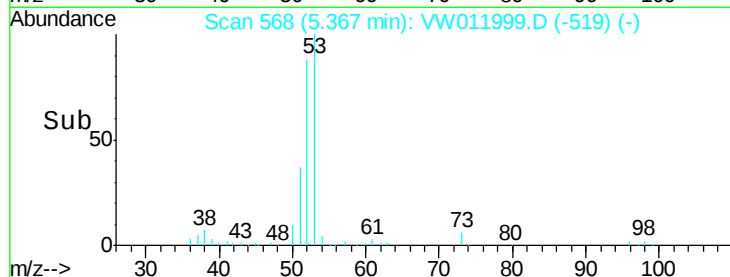
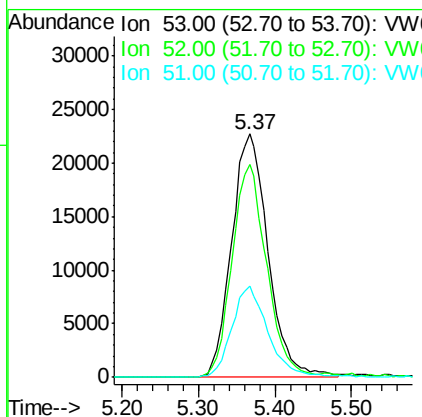
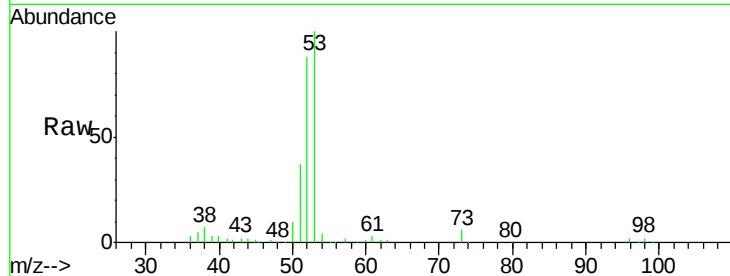
ClientSampleId :

VW0819SBS02

Tot Ion:	53	Resp:	75150
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.2	100.8
51	37.2	30.0	45.0

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#16

Acetone

Concen: 73.346 ug/l

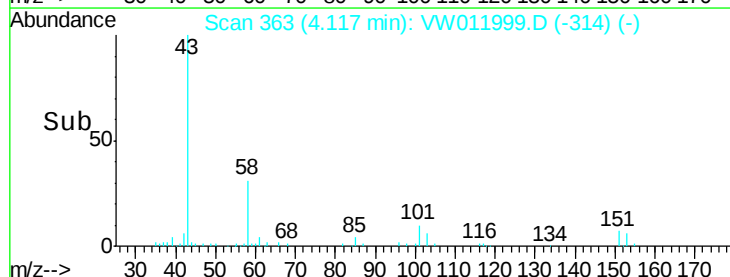
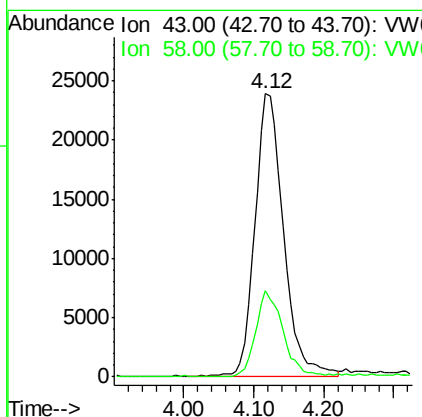
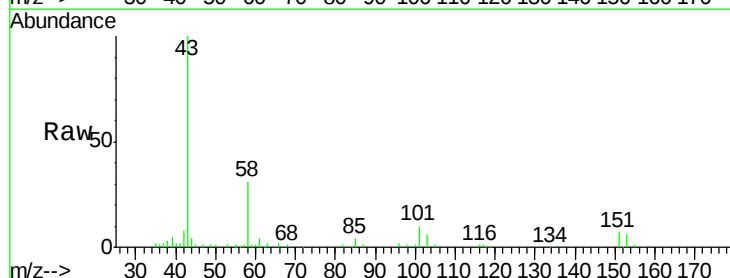
RT: 4.12 min Scan# 363

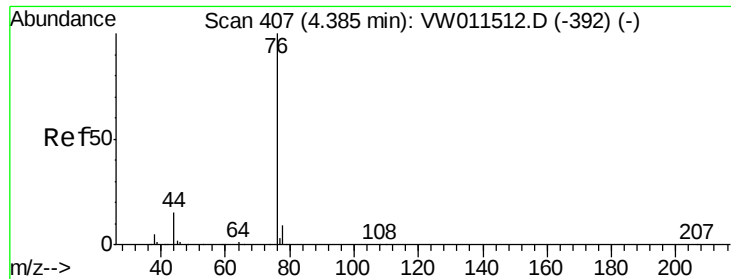
Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Tgt Ion:	43	Resp:	68655
Ion	Ratio	Lower	Upper
43	100		
58	30.4	22.3	33.5





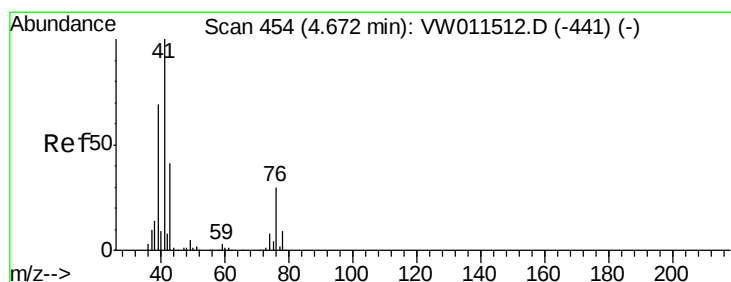
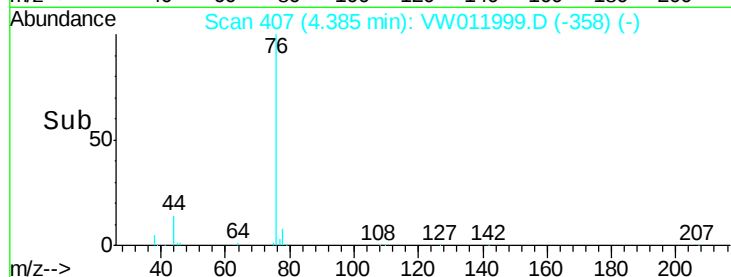
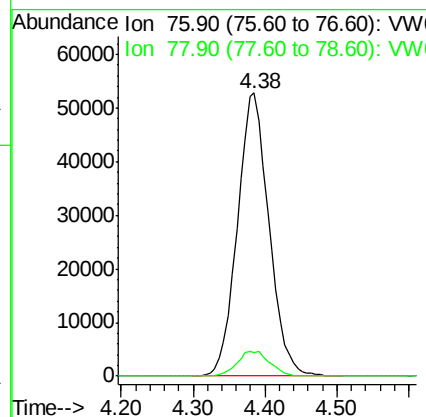
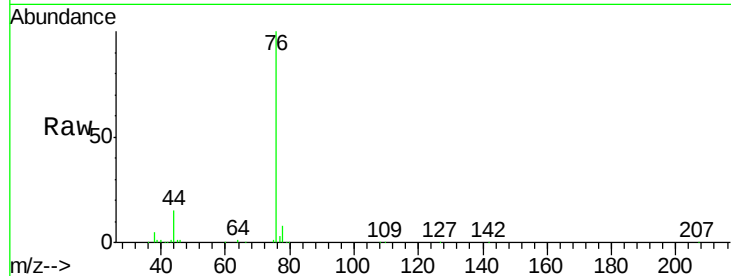
#17
Carbon Disulfide
Concen: 19.233 ug/l
RT: 4.38 min Scan# 407
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
76	100	160655		
78	8.4		7.1	10.7

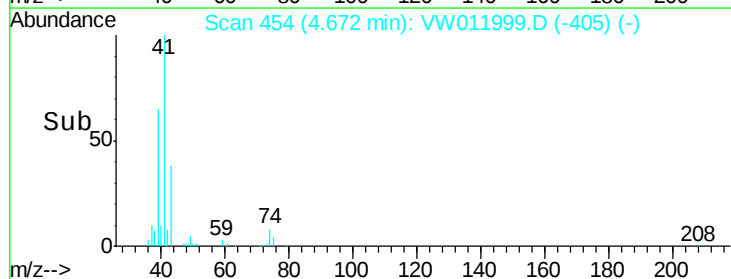
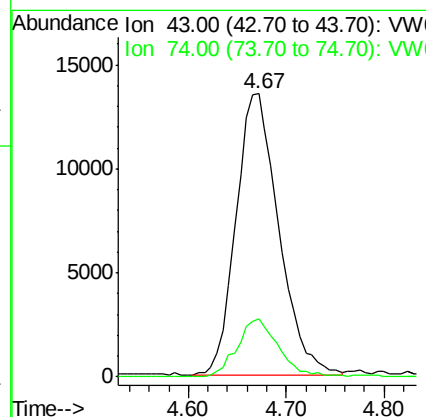
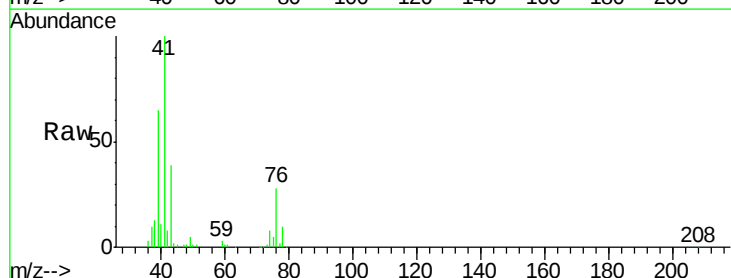
Manual Integrations
APPROVED

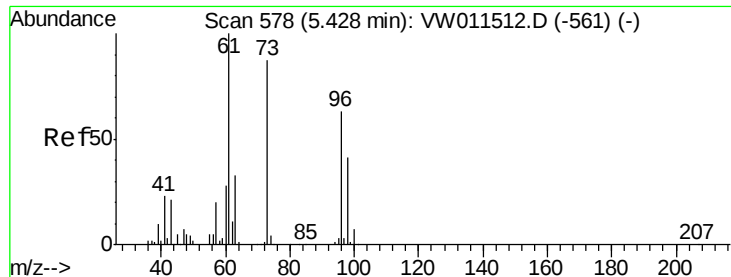
MMDadoda
8/20/2019 9:55:38 AM



#18
Methyl Acetate
Concen: 19.579 ug/l
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41172		
74	20.0		15.9	23.9





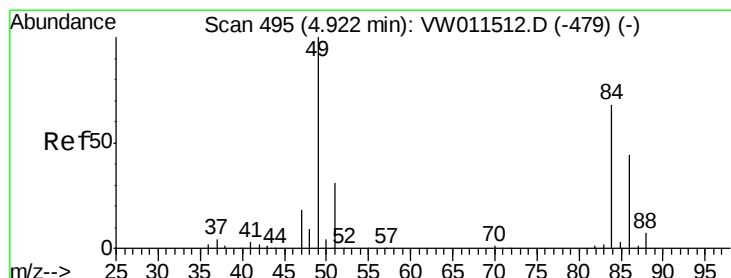
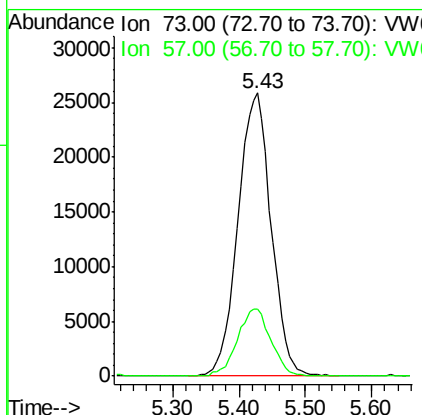
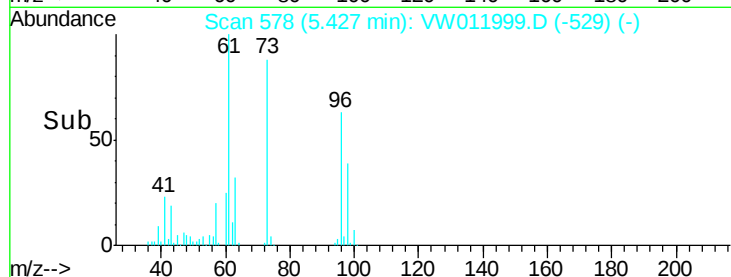
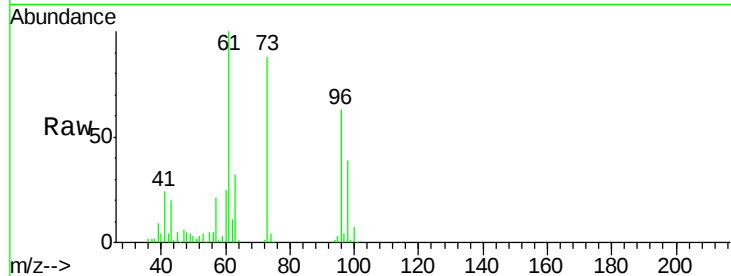
#19
Methyl tert-butyl Ether
Concen: 21.188 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.4	27.6

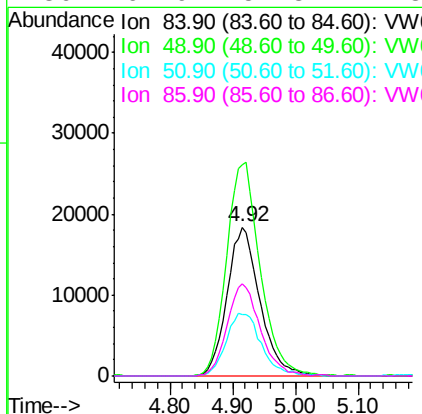
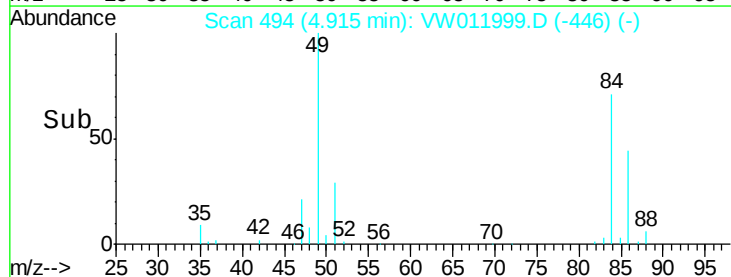
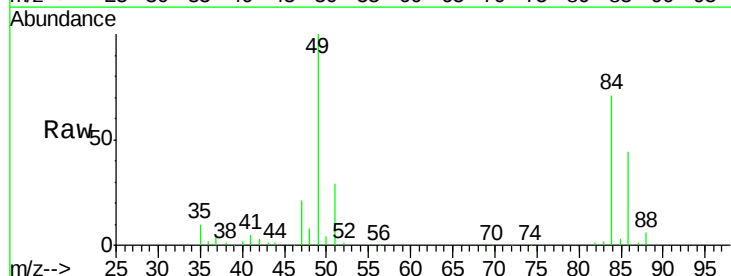
Manual Integrations
APPROVED

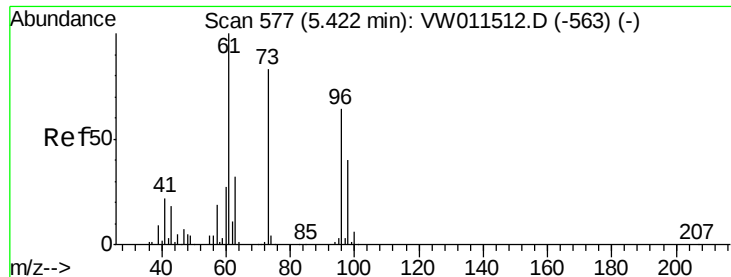
MMDadoda
8/20/2019 9:55:38 AM



#20
Methylene Chloride
Concen: 20.584 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	141.8	117.8	176.6
51	41.0	37.0	55.4
86	61.9	51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 20.383 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 96 Resp: 58649

Ion Ratio Lower Upper

96 100

61 162.2 125.7 188.5

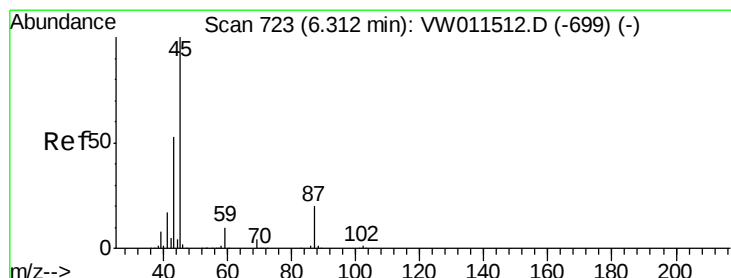
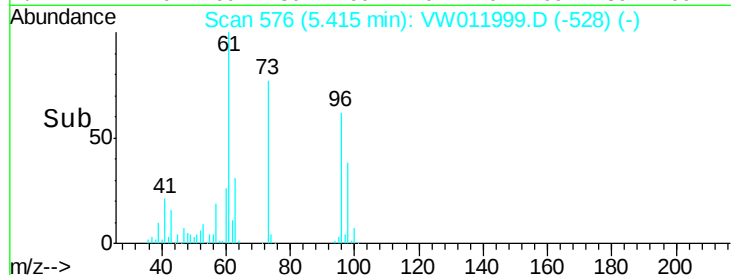
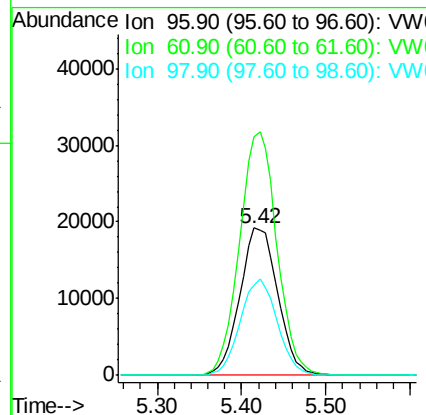
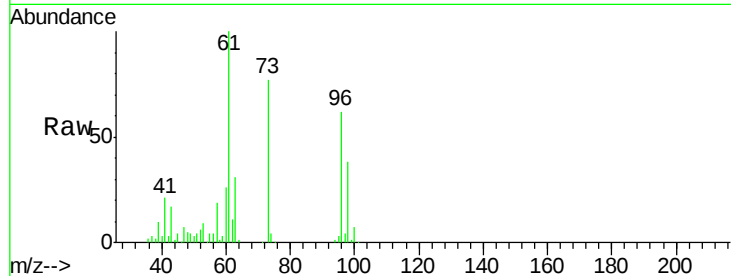
98 61.1 50.3 75.5

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



#22

Diisopropyl ether

Concen: 20.998 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Tgt Ion: 45 Resp: 224725

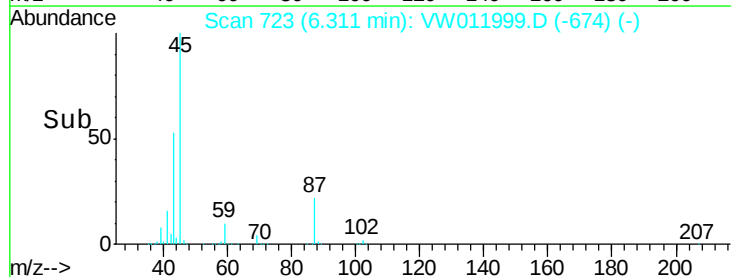
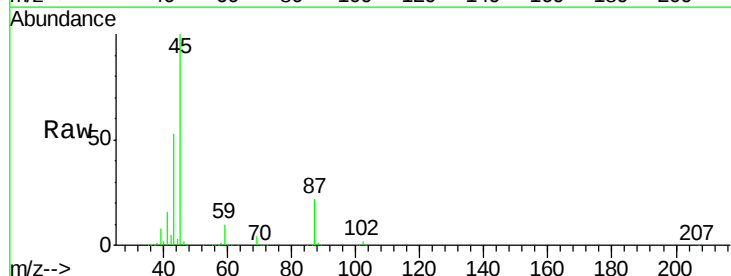
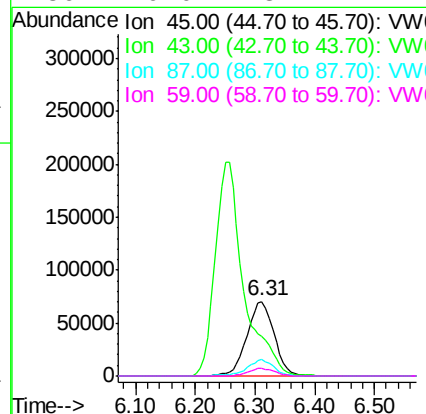
Ion Ratio Lower Upper

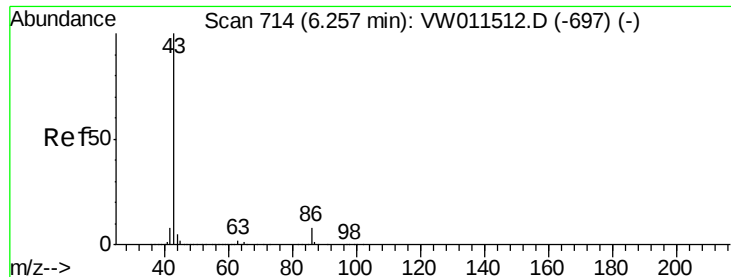
45 100

43 52.5 42.6 63.8

87 21.8 16.4 24.6

59 10.0 8.2 12.2





#23

Vinyl Acetate

Concen: 99.386 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 43 Resp: 668349

Ion Ratio Lower Upper

43 100

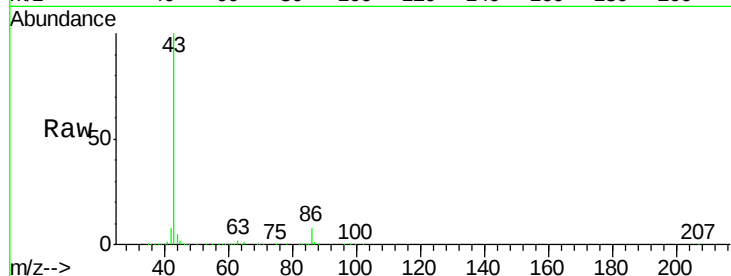
86 8.3 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

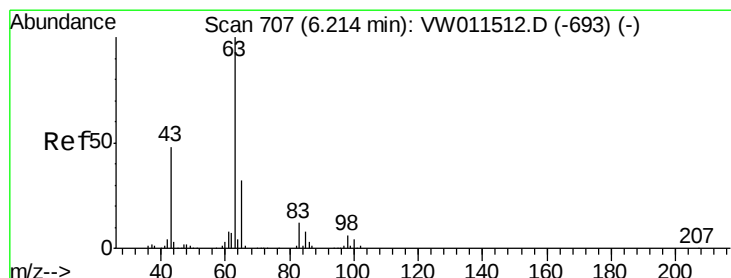
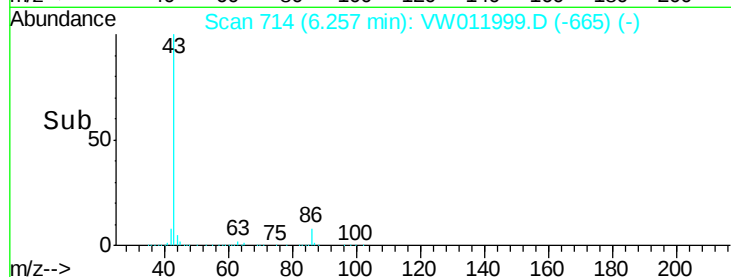
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.735 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

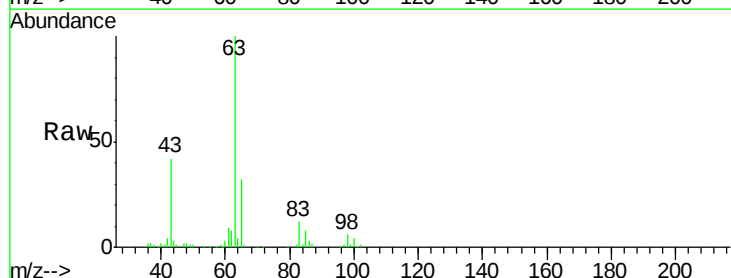
Tgt Ion: 63 Resp: 118846

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

100 3.7 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

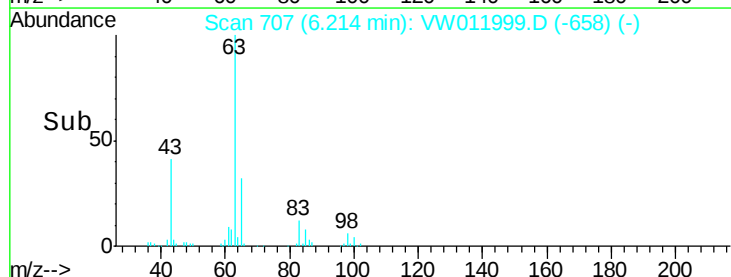
30000

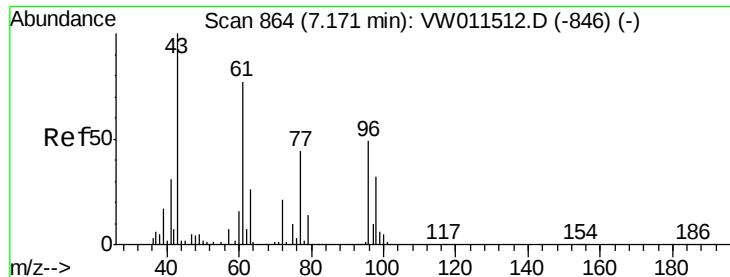
20000

10000

0

Time-->





#25

2-Butanone

Concen: 85.382 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 43 Resp: 104579

Ion Ratio Lower Upper

43 100

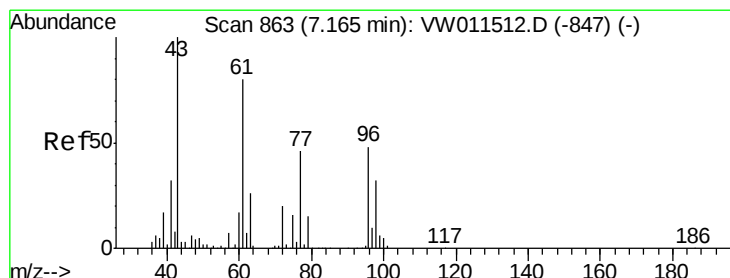
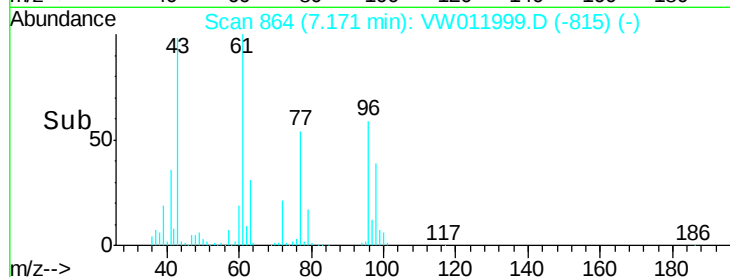
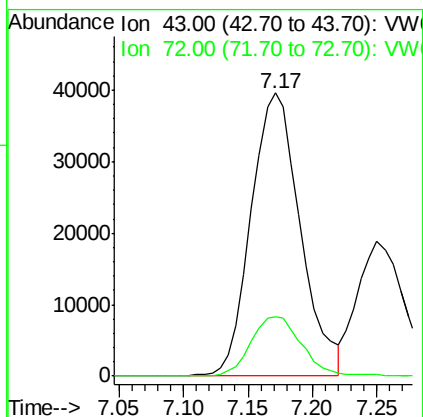
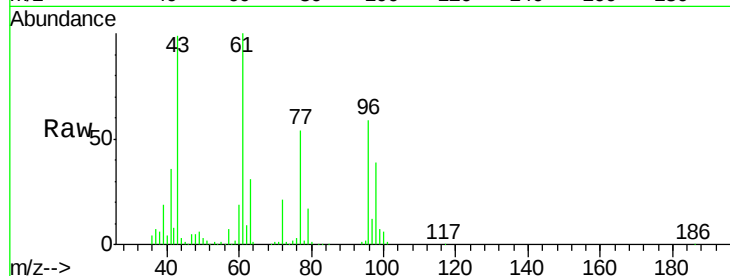
72 21.0 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



#26

2,2-Dichloropropane

Concen: 18.112 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW011999.D

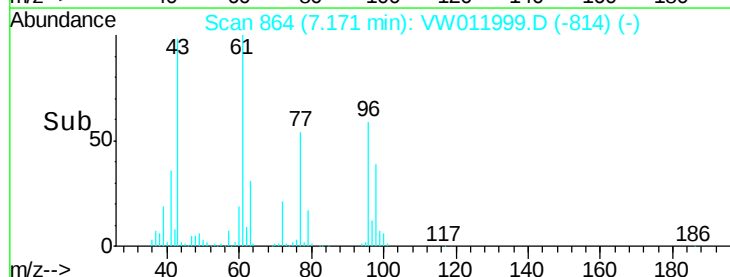
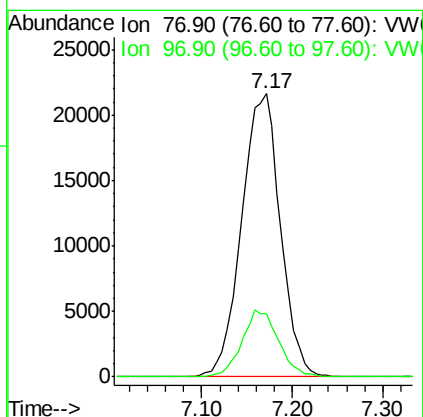
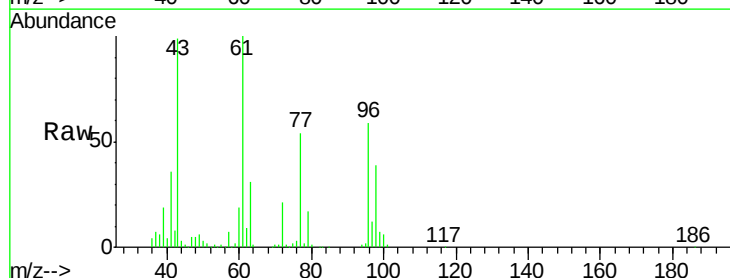
Acq: 19 Aug 2019 19:36

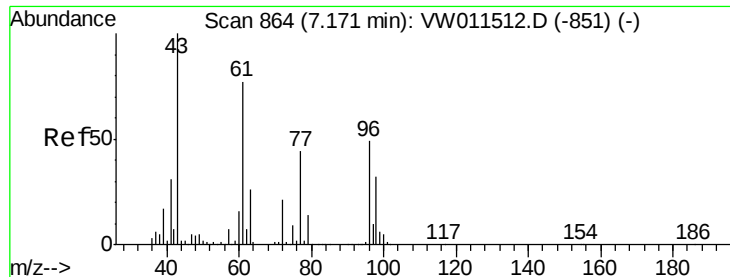
Tgt Ion: 77 Resp: 63843

Ion Ratio Lower Upper

77 100

97 22.2 10.8 32.4





#27

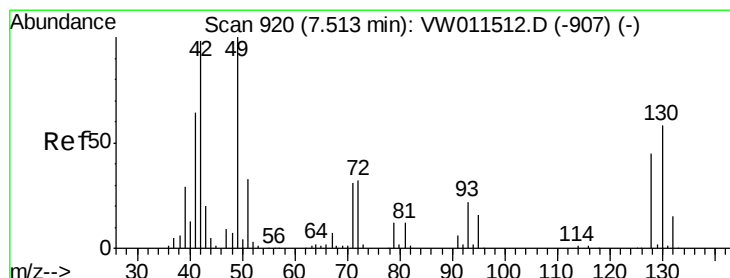
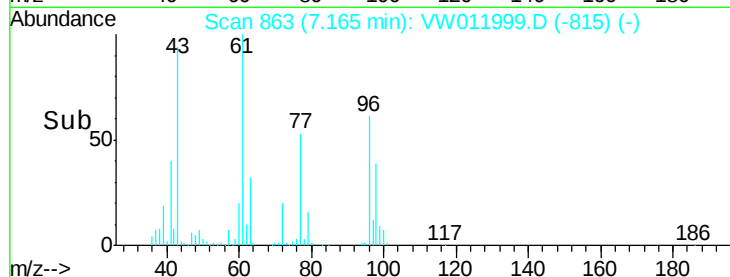
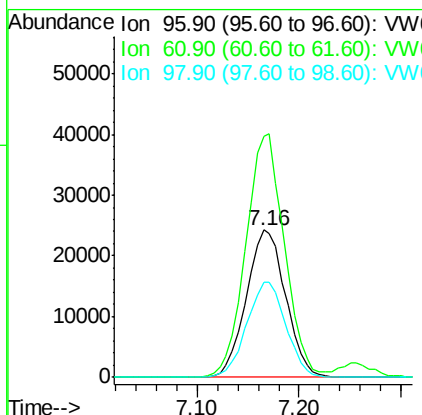
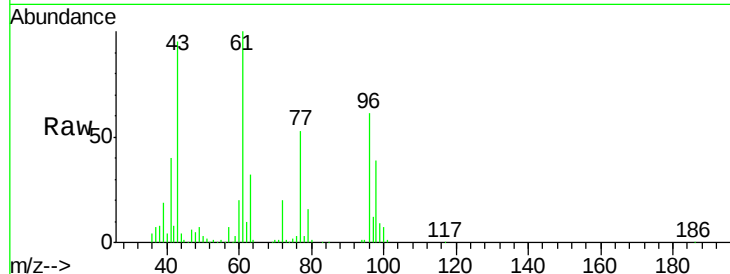
cis-1,2-Dichloroethene
Concen: 20.511 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.4	0.0	328.4
98	64.3	0.0	128.8

Manual Integrations
APPROVED

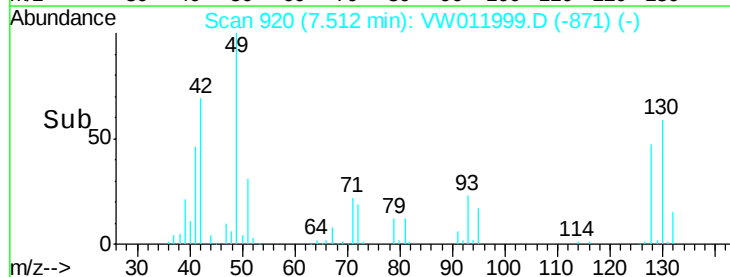
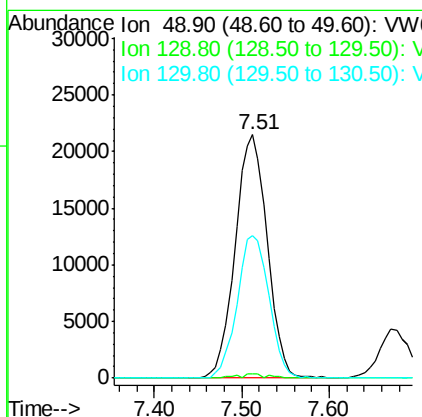
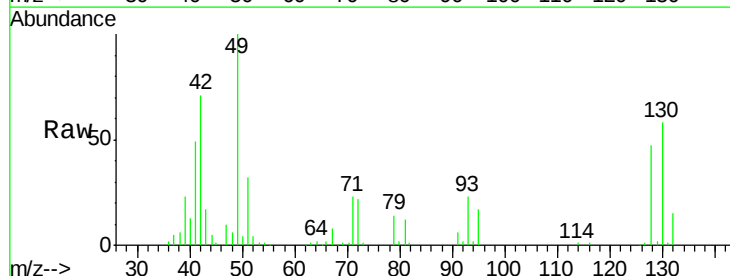
MMDadoda
8/20/2019 9:55:38 AM

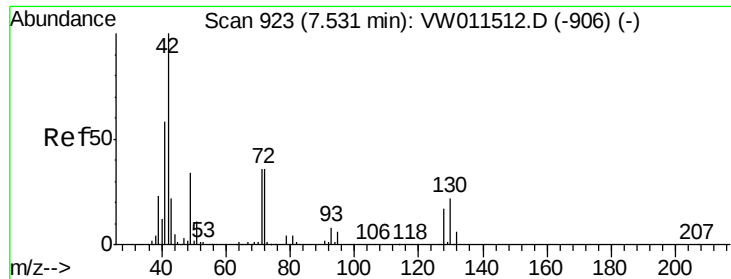


#28

Bromochloromethane
Concen: 21.517 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	1.0#
130	58.3	46.3	69.5





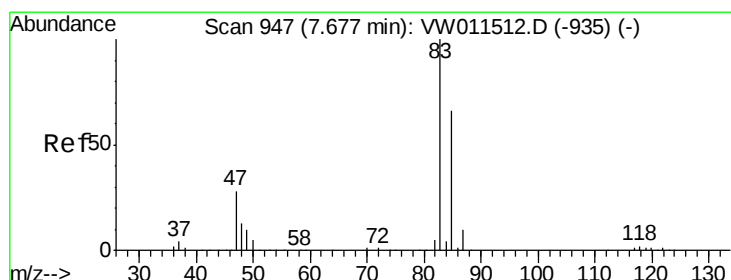
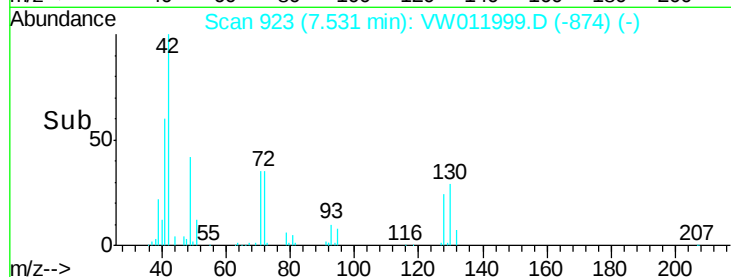
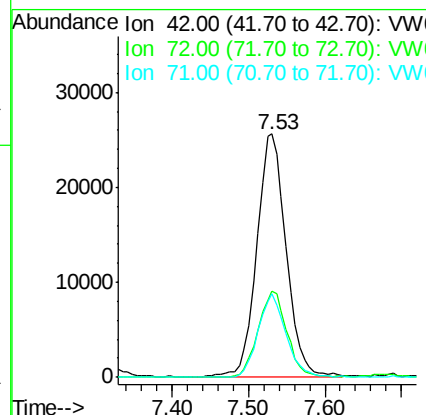
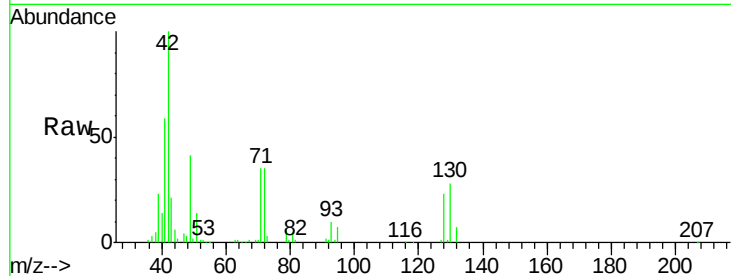
#29
Tetrahydrofuran
Concen: 97.805 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.0	27.1	40.7
71	32.9	26.2	39.4

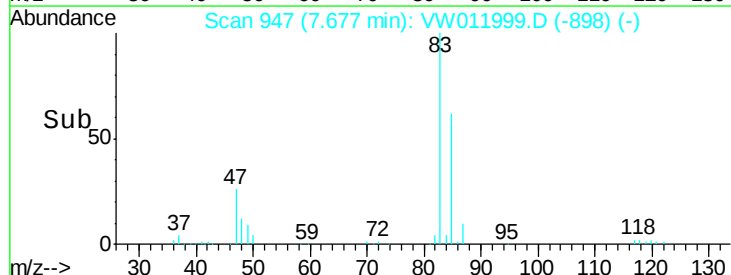
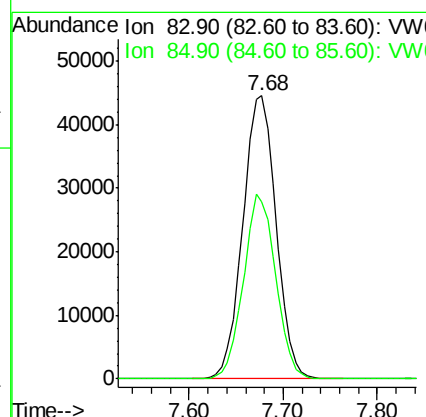
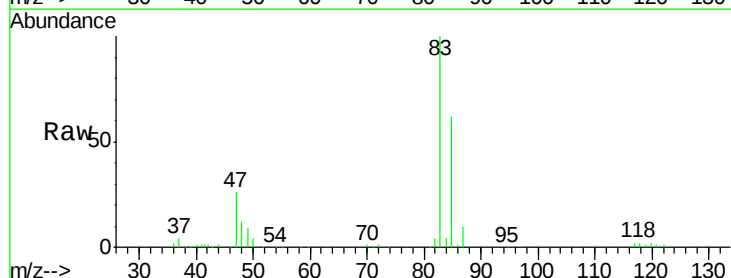
Manual Integrations
APPROVED

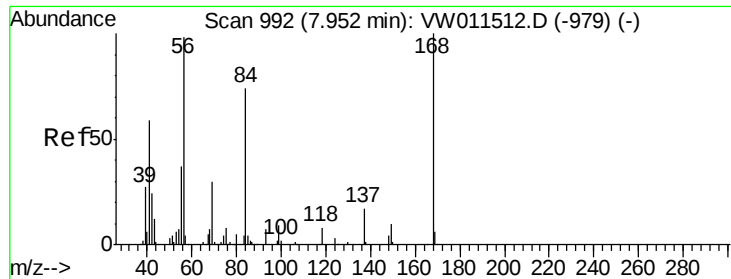
MMDadoda
8/20/2019 9:55:38 AM



#30
Chloroform
Concen: 20.832 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.5	78.7





#31

Cyclohexane

Concen: 20.514 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

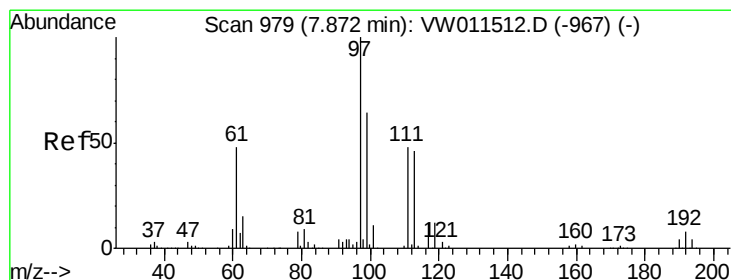
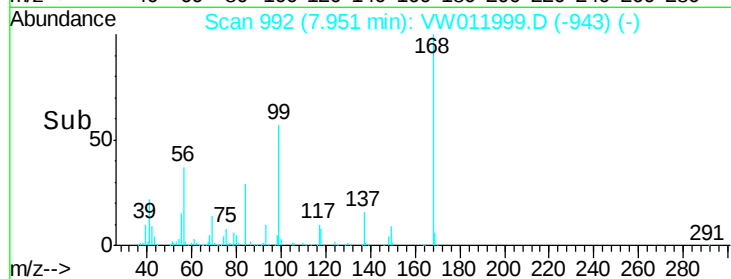
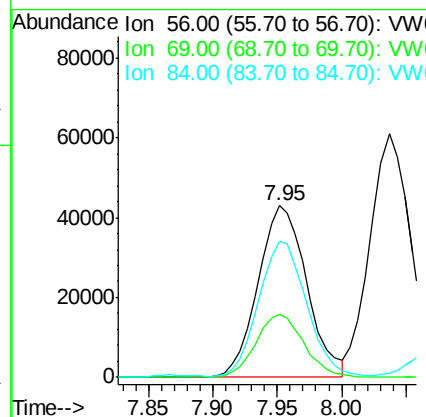
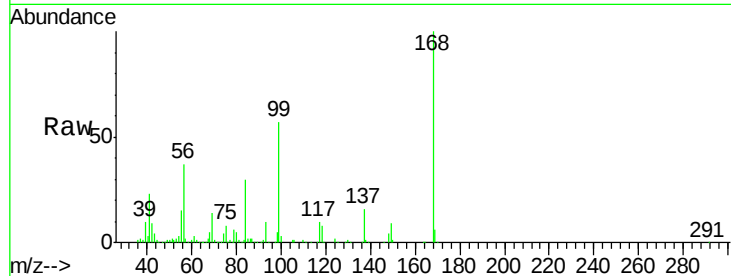
ClientSampleId :

VW0819SBS02

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.8	24.3	36.5#	
84	78.9	60.4	90.6	

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#32

1,1,1-Trichloroethane

Concen: 20.695 ug/l

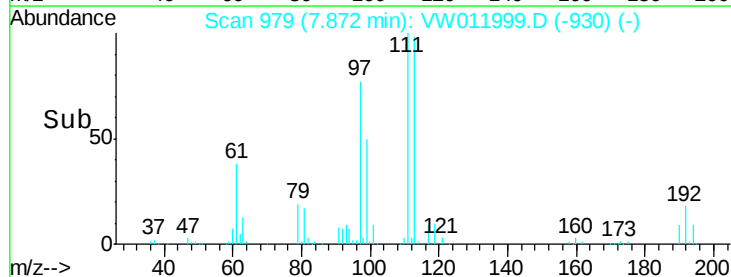
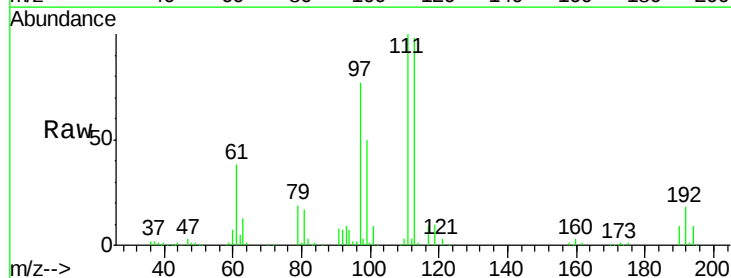
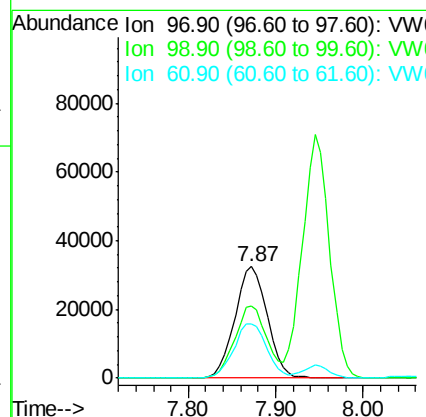
RT: 7.87 min Scan# 979

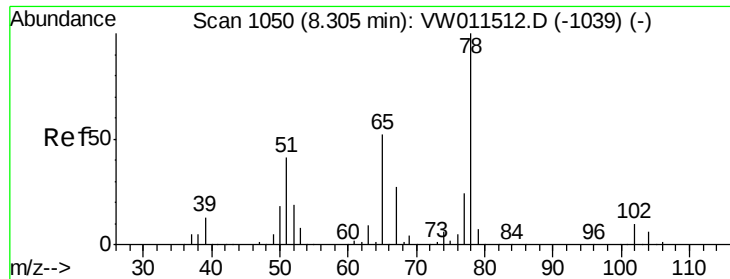
Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.3	51.0	76.6	
61	49.7	39.8	59.6	





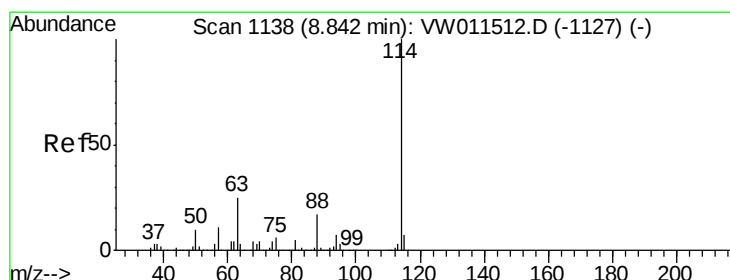
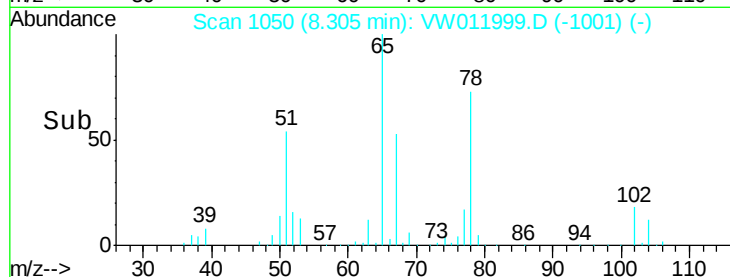
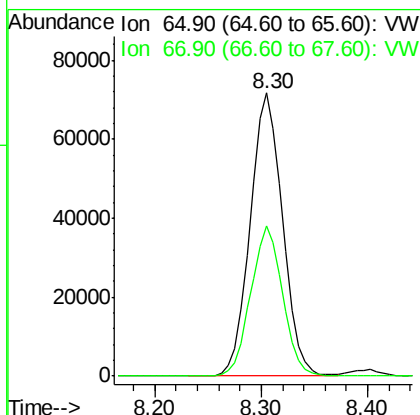
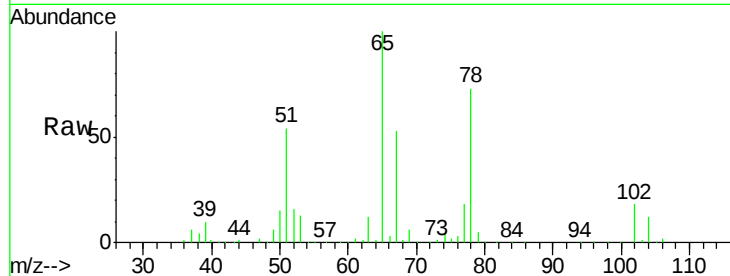
#33
 1,2-Dichloroethane-d4
 Concen: 52.088 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	153275		
67	52.1	0.0	105.2	

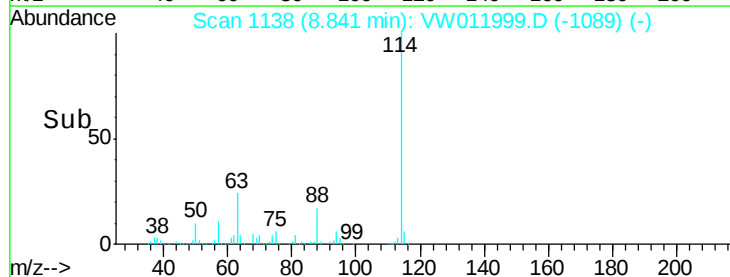
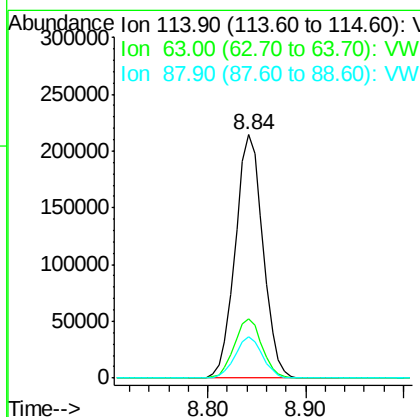
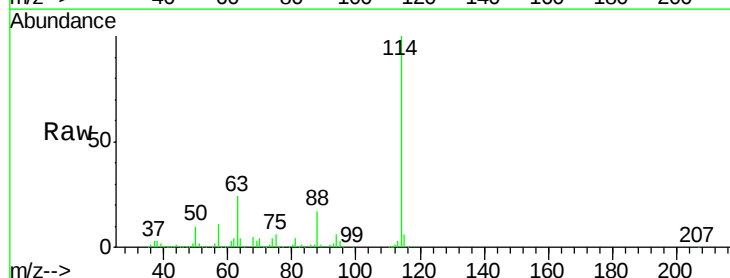
Manual Integrations
 APPROVED

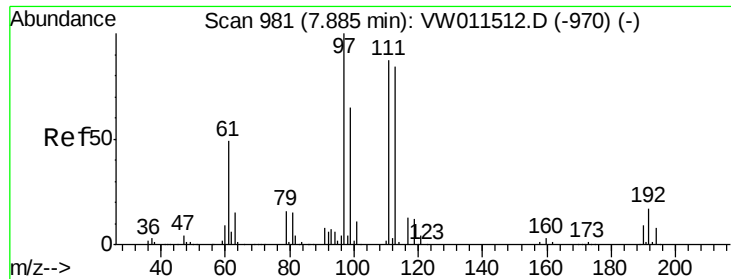
MMDadoda
 8/20/2019 9:55:38 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419831		
63	24.4	0.0	49.2	
88	17.2	0.0	33.8	





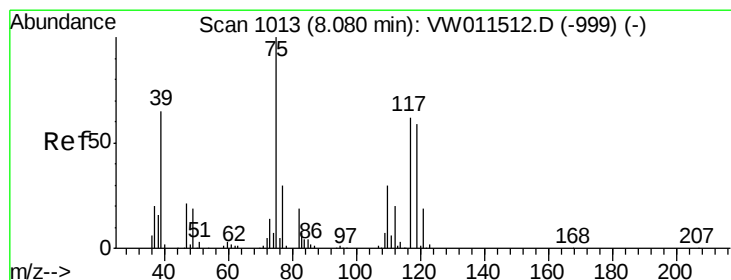
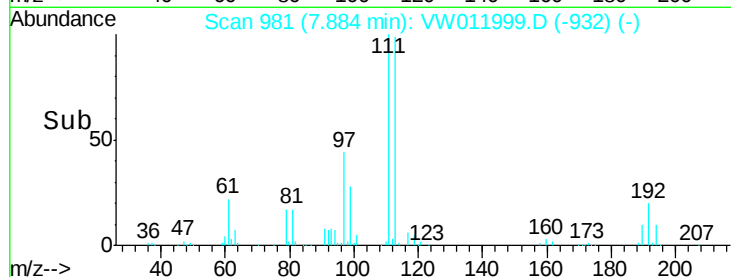
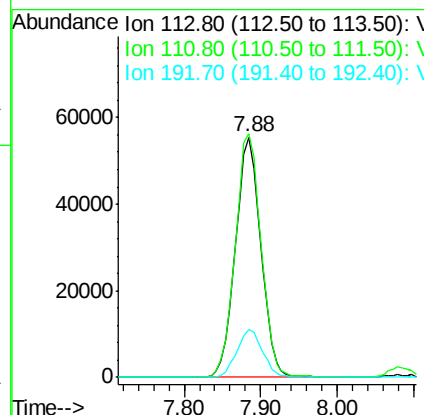
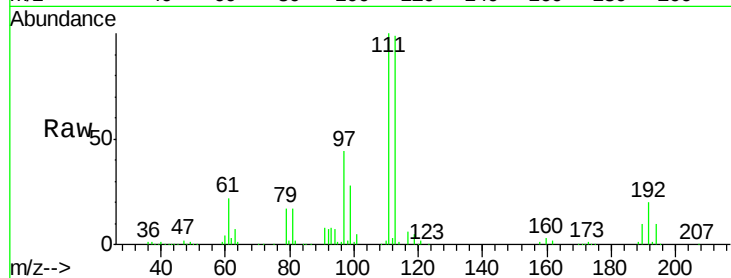
#35
 Dibromofluoromethane
 Concen: 54.163 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127572		
111	102.8	82.7	124.1	
192	20.0	16.1	24.1	

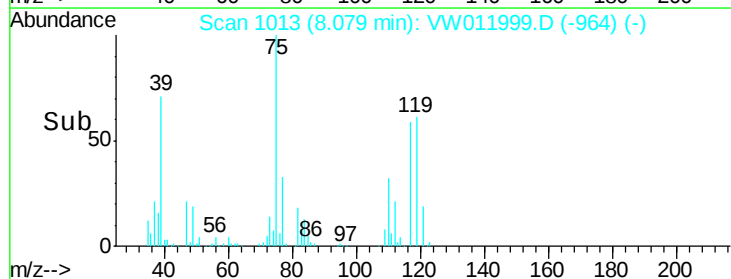
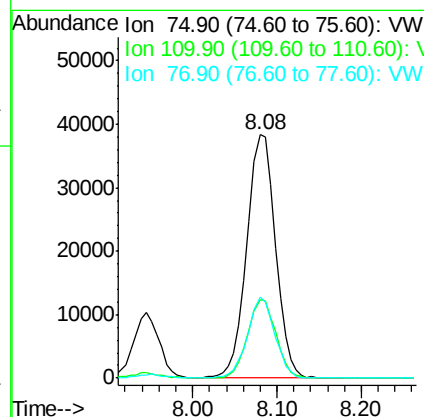
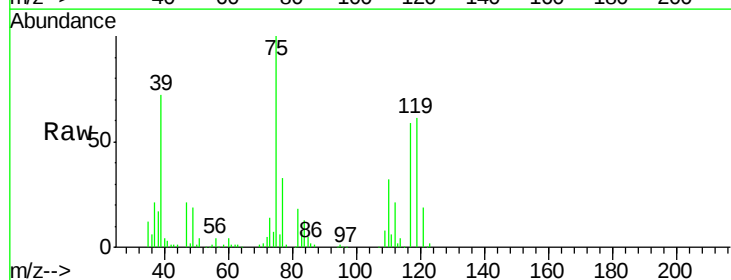
Manual Integrations
 APPROVED

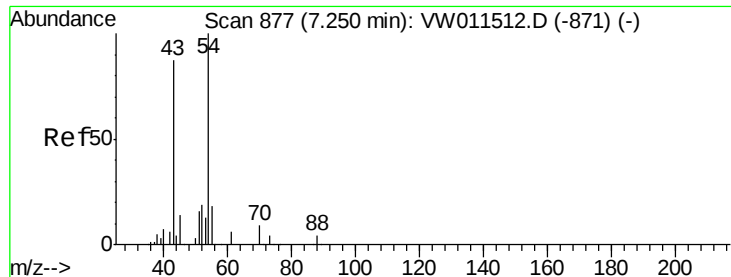
MMDadoda
 8/20/2019 9:55:38 AM



#36
 1,1-Dichloropropene
 Concen: 20.281 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	88536		
110	31.5	15.6	46.8	
77	31.4	24.3	36.5	





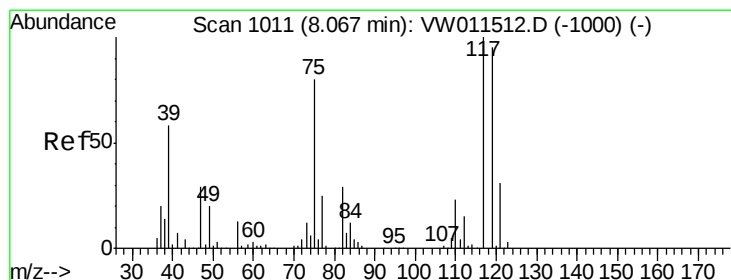
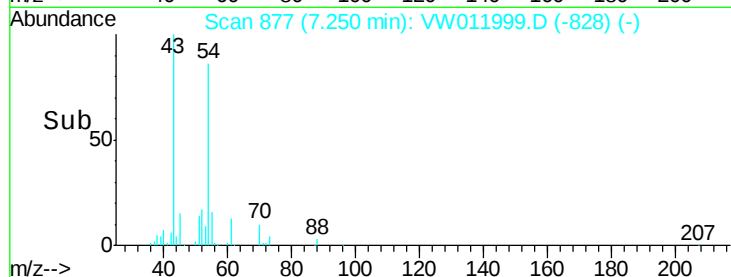
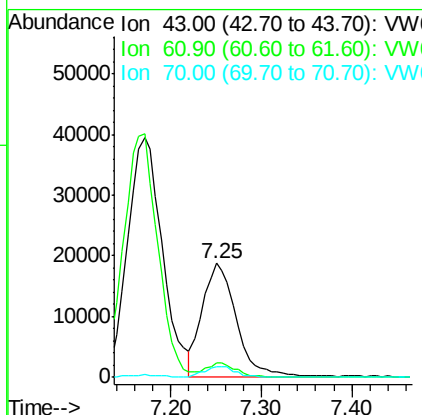
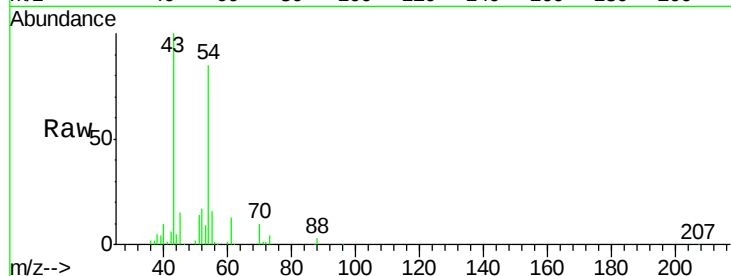
#37
Ethyl Acetate
Concen: 19.516 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.8	8.8	13.2
70	9.1	7.1	10.7

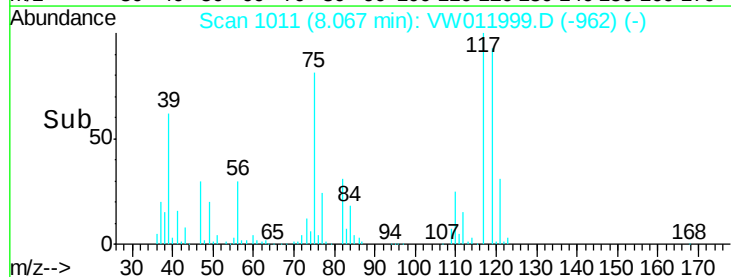
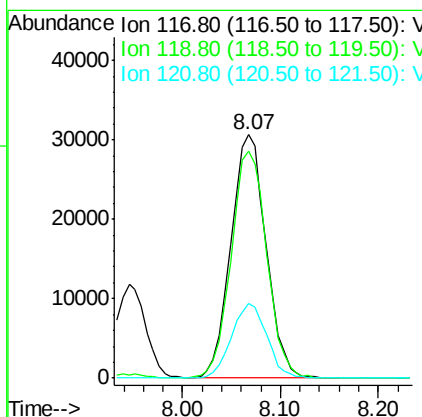
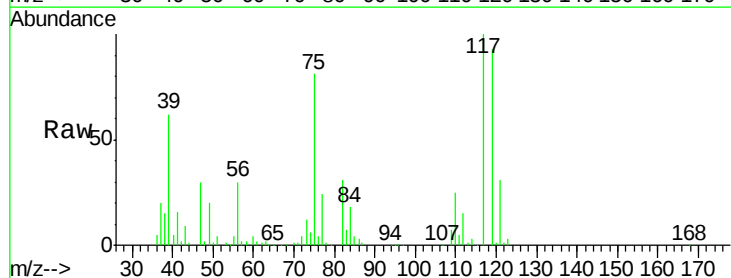
Manual Integrations
APPROVED

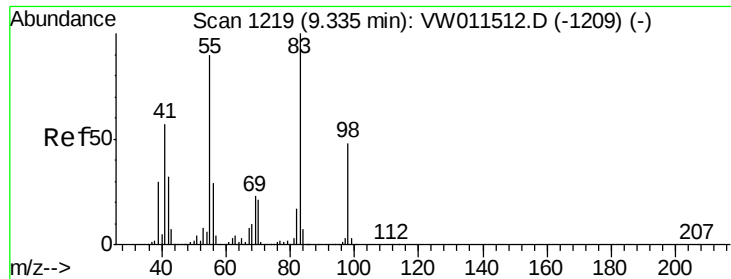
MMDadoda
8/20/2019 9:55:38 AM



#38
Carbon Tetrachloride
Concen: 20.441 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.8	113.6
121	30.6	24.7	37.1





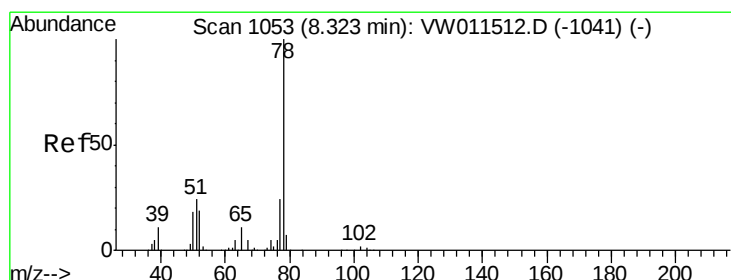
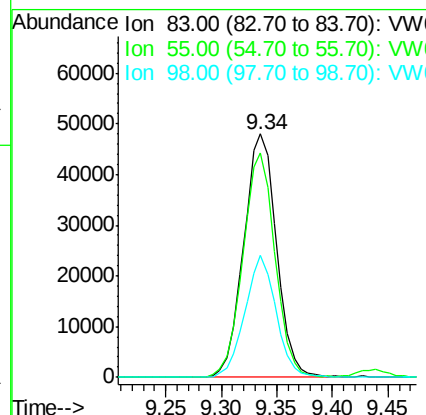
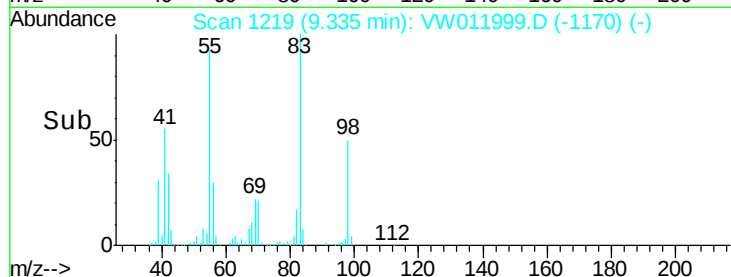
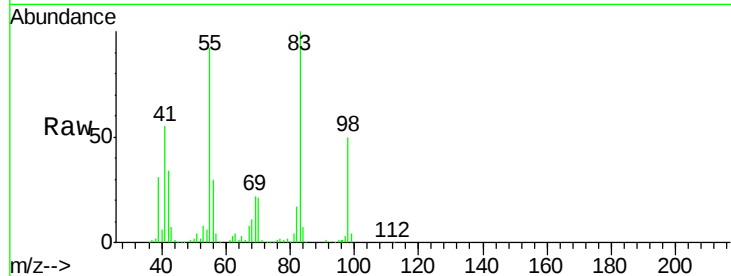
#39
Methvlcvclohexane
Concen: 20.480 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	83	Resp	98446
Ion Ratio	Lower	Upper	
83	100		
55	92.2	72.1	108.1
98	50.0	38.6	57.8

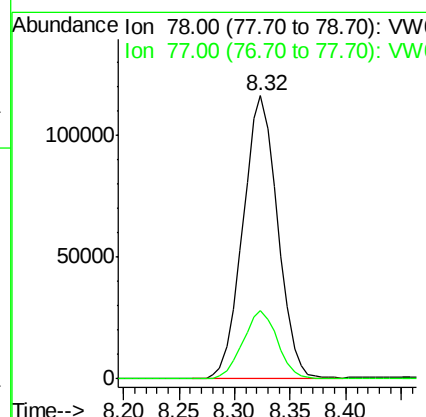
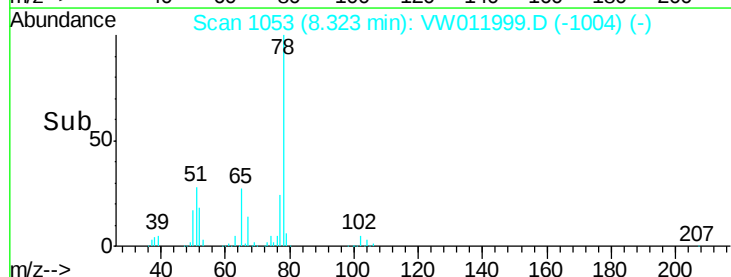
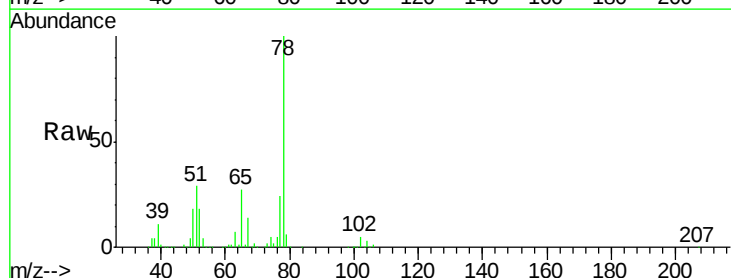
Manual Integrations
APPROVED

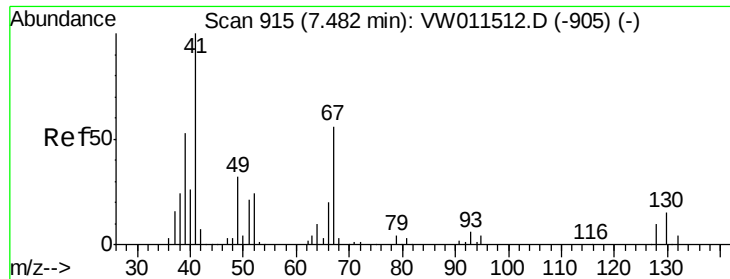
MMDadoda
8/20/2019 9:55:38 AM



#40
Benzene
Concen: 20.682 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	78	Resp	252901
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.4	29.0





#41

Methacrylonitrile

Concen: 21.358 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW011999.D

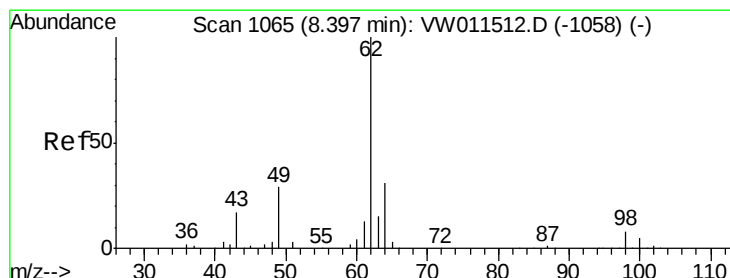
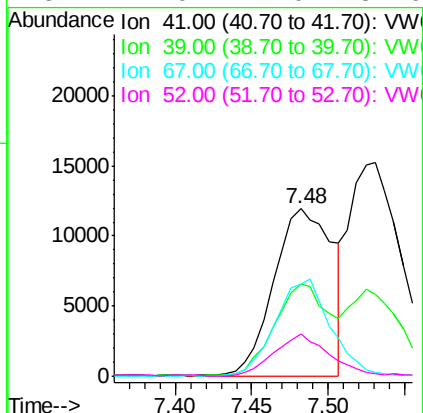
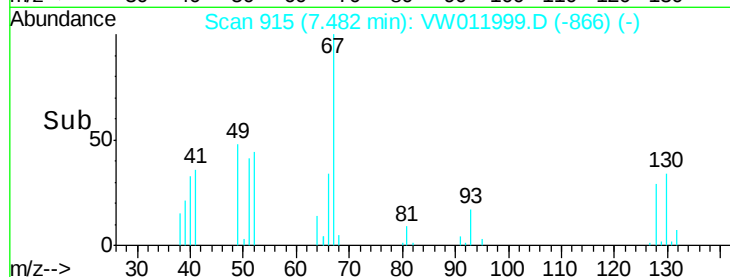
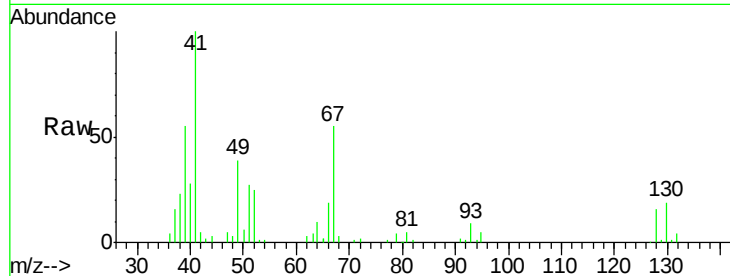
Acq: 19 Aug 2019 19:36

Tot Ion:	41	Resp:	32066
Ion	Ratio	Lower	Upper
41	100		
39	51.2	43.0	64.4
67	54.1	47.5	71.3
52	24.0	21.0	31.6

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD02

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#42

1,2-Dichloroethane

Concen: 19.944 ug/l

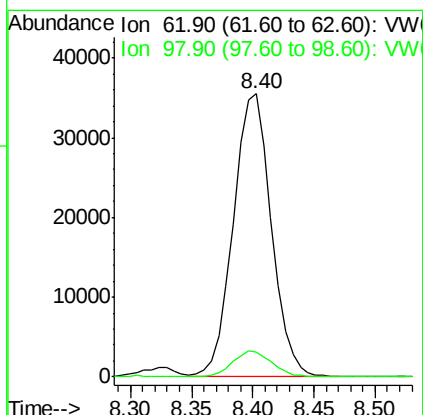
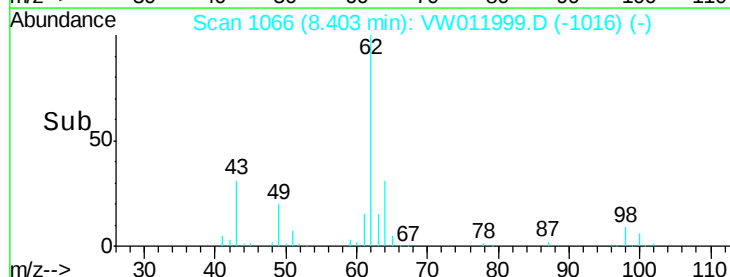
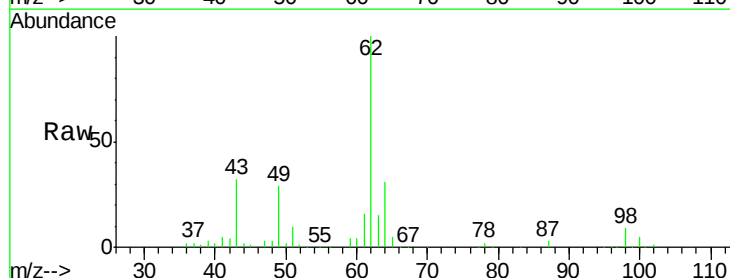
RT: 8.40 min Scan# 1066

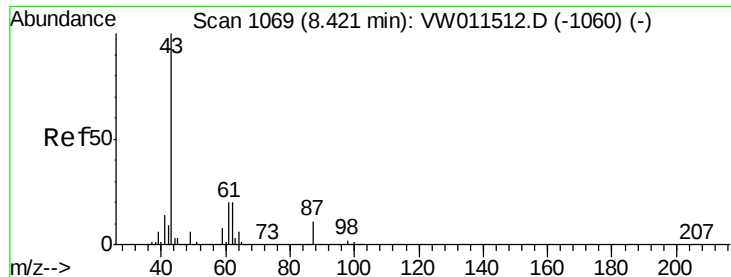
Delta R.T. 0.01 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Tgt Ion:	62	Resp:	76352
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	16.8





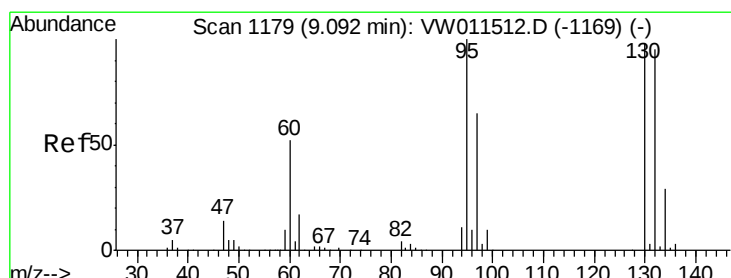
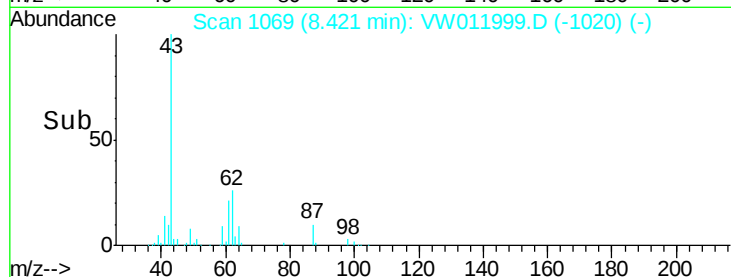
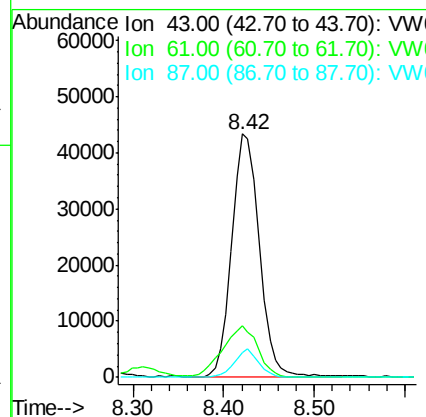
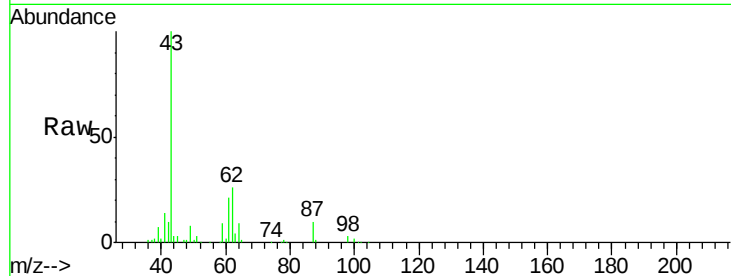
#43
Isopropyl Acetate
Concen: 19.814 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	43	Resp	91519
Ion	Ratio	Lower	Upper
43	100		
61	27.2	21.5	32.3
87	10.3	8.4	12.6

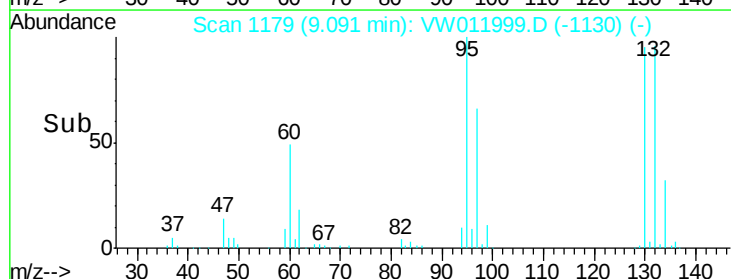
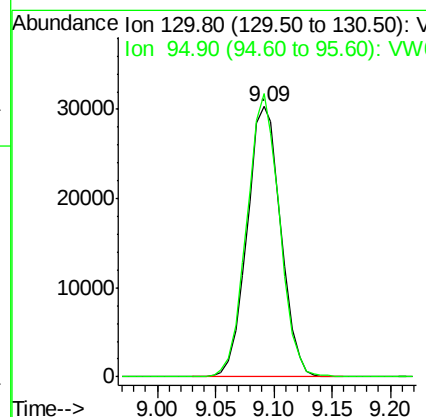
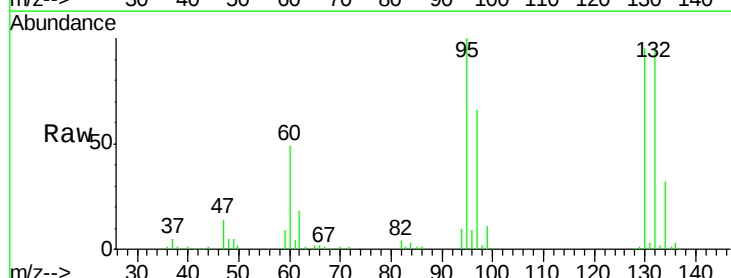
Manual Integrations
APPROVED

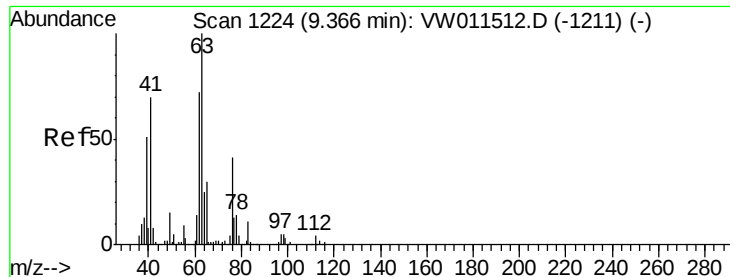
MMDadoda
8/20/2019 9:55:38 AM



#44
Trichloroethene
Concen: 20.778 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	130	Resp	61066
Ion	Ratio	Lower	Upper
130	100		
95	104.8	0.0	204.8





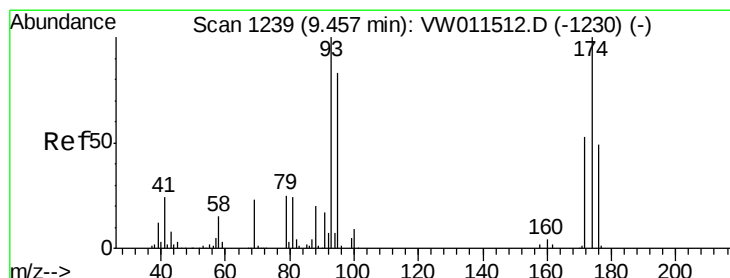
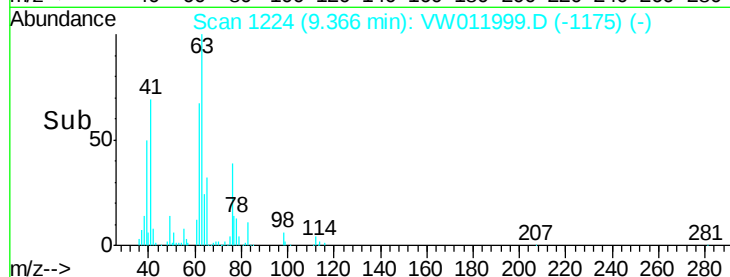
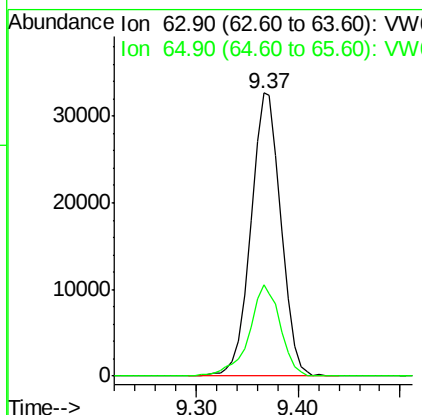
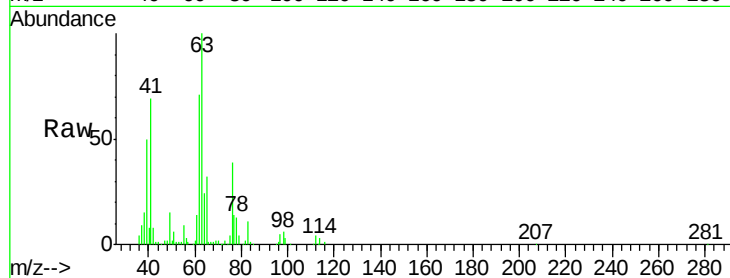
#45
 1,2-Dichloropropane
 Concen: 20.512 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.2	36.4

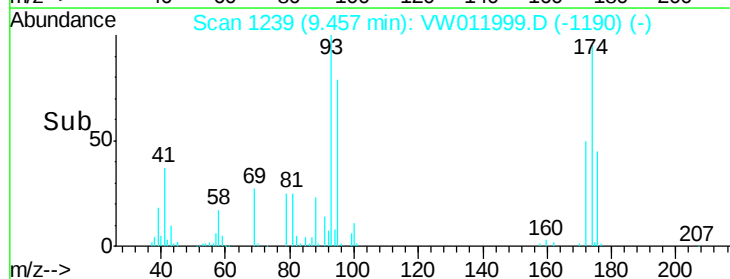
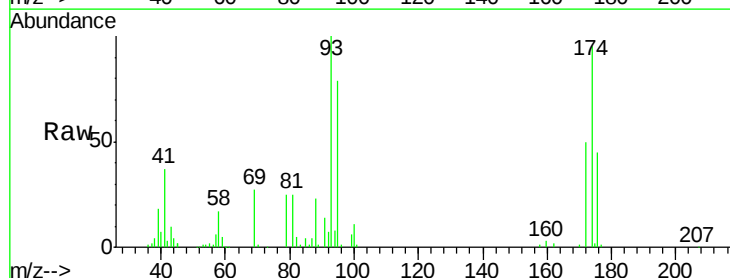
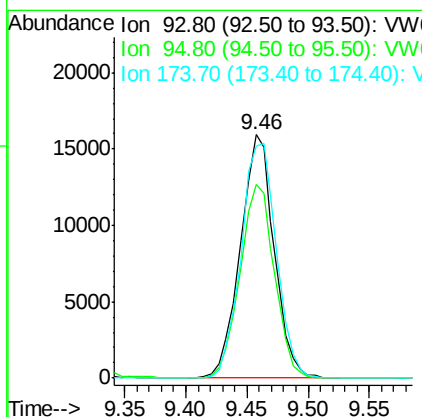
Manual Integrations
 APPROVED

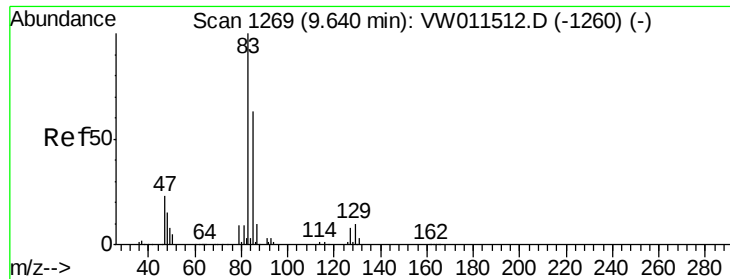
MMDadoda
 8/20/2019 9:55:38 AM



#46
 Dibromomethane
 Concen: 20.481 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.9	66.2	99.2
174	100.9	78.2	117.4





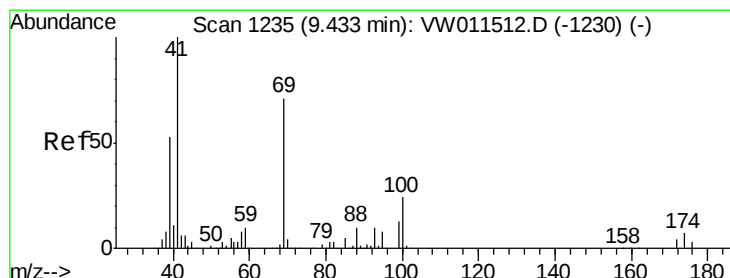
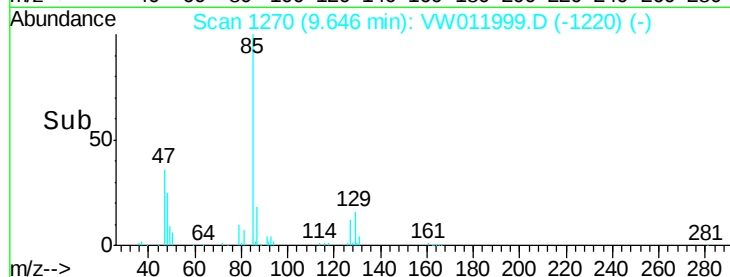
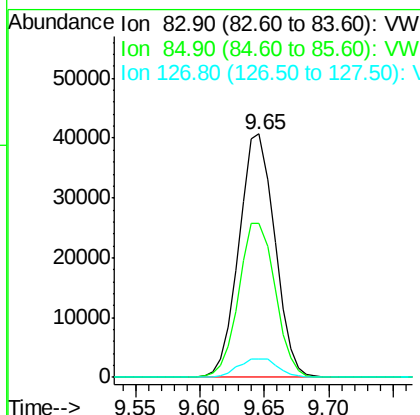
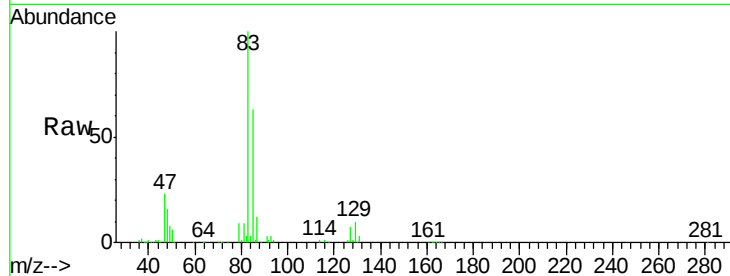
#47
 Bromodichloromethane
 Concen: 20.037 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	83	85	127
Resp	78486		
Ratio	100	63.3	7.4
Lower		50.5	6.4
Upper		75.7	9.6

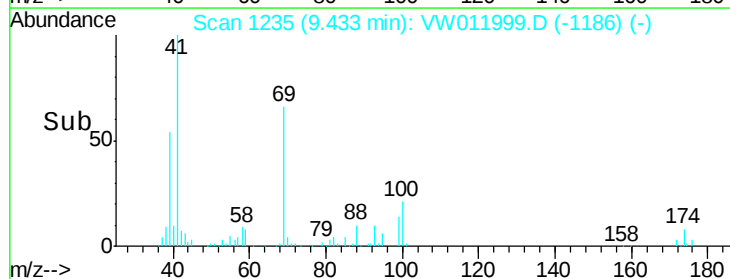
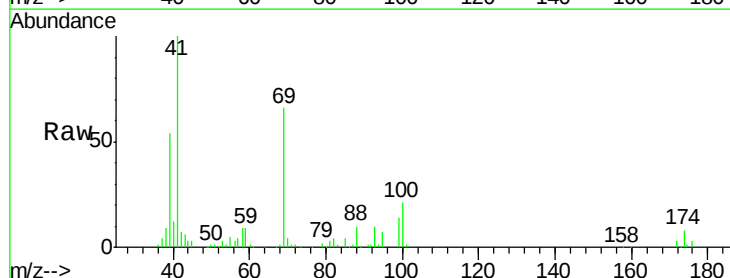
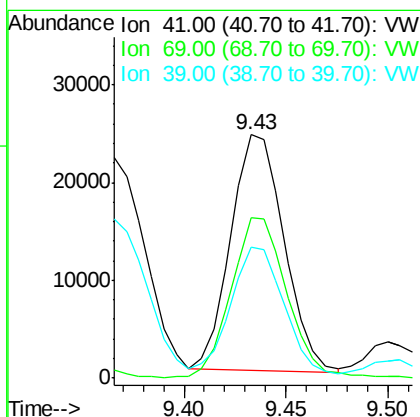
Manual Integrations
 APPROVED

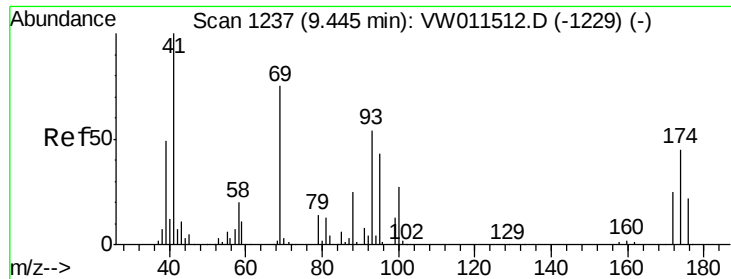
MMDadoda
 8/20/2019 9:55:38 AM



#48
 Methyl methacrylate
 Concen: 19.669 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	41	69	39
Resp	43642		
Ratio	100	71.0	57.0
Lower		57.1	45.4
Upper		85.7	68.2





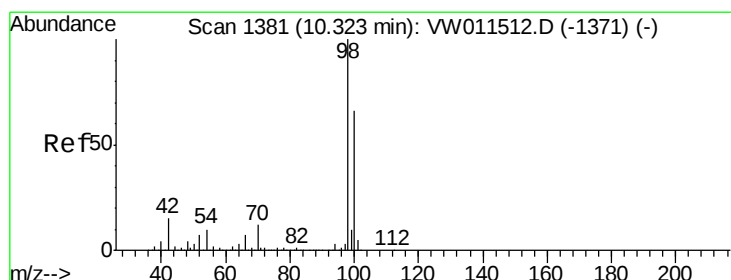
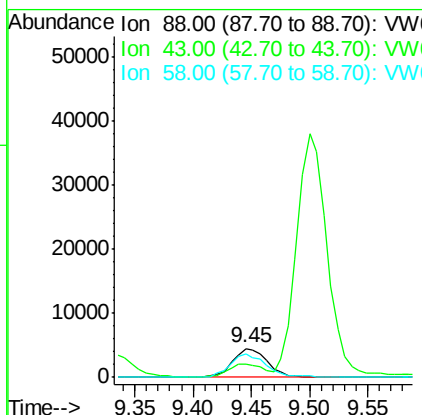
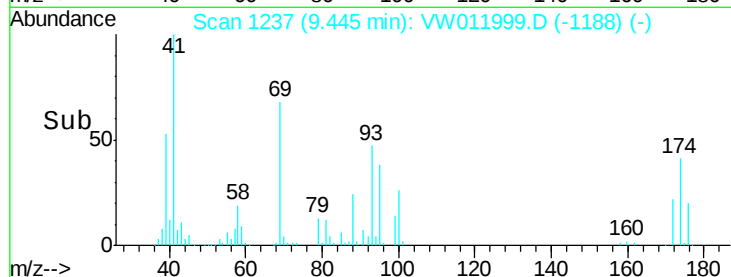
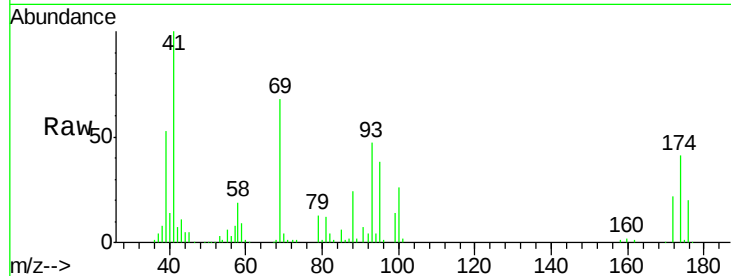
#49
1,4-Dioxane
Concen: 432.520 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion: 88 Resp: 9352
Ion Ratio Lower Upper
88 100
43 46.6 34.0 51.0
58 86.2 69.7 104.5

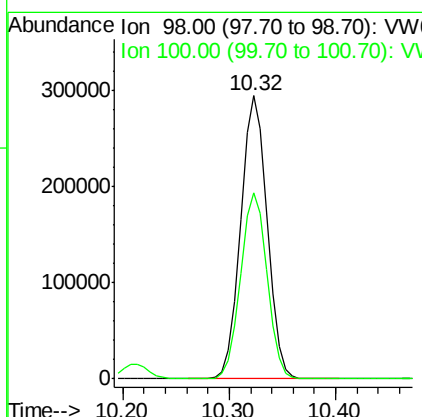
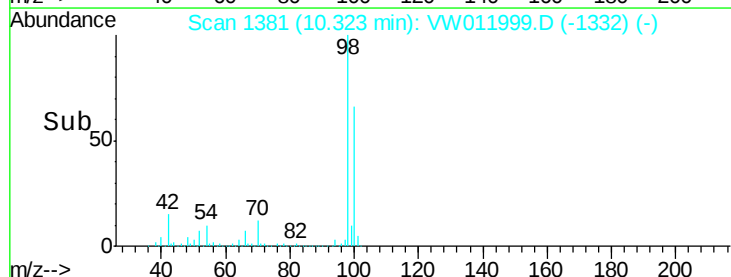
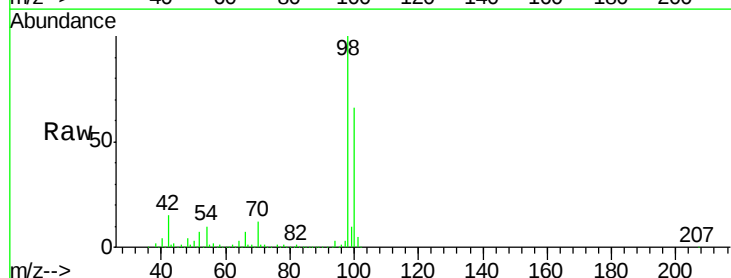
Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#50
Toluene-d8
Concen: 53.406 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion: 98 Resp: 515015
Ion Ratio Lower Upper
98 100
100 65.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 96.980 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 43 Resp: 233000

Ion Ratio Lower Upper

43 100

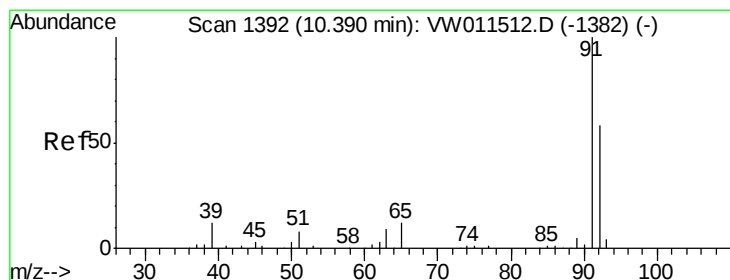
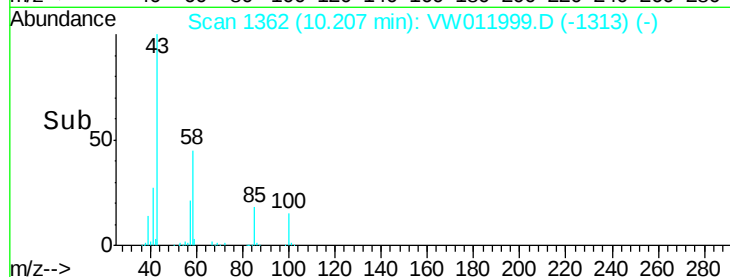
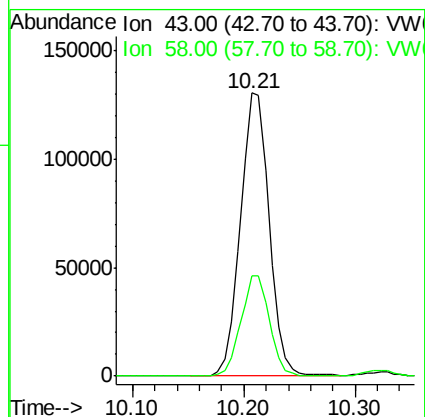
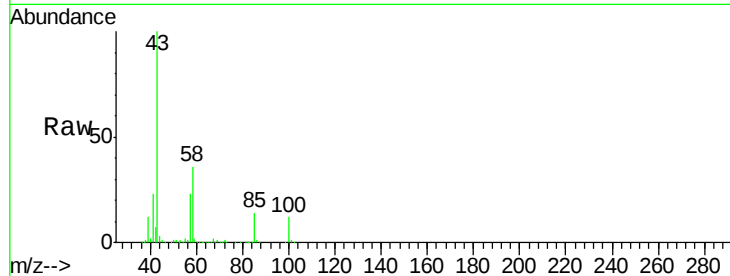
58 35.4 28.2 42.2

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



#52

Toluene

Concen: 20.553 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011999.D

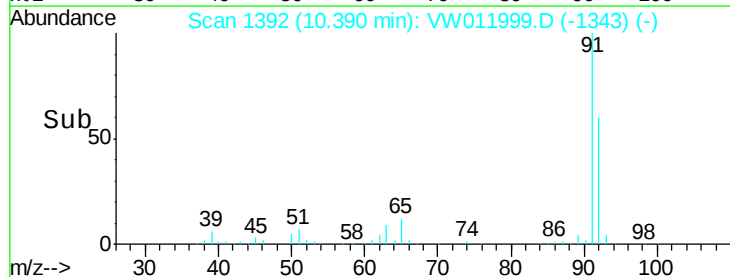
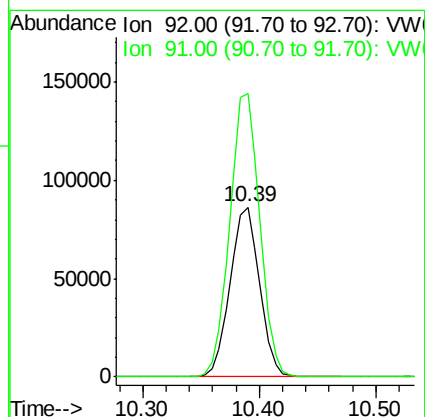
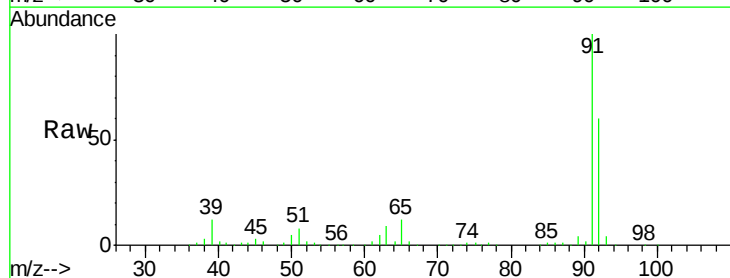
Acq: 19 Aug 2019 19:36

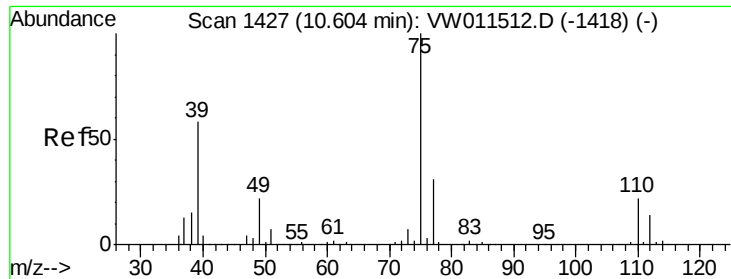
Tgt Ion: 92 Resp: 151775

Ion Ratio Lower Upper

92 100

91 170.3 136.7 205.1





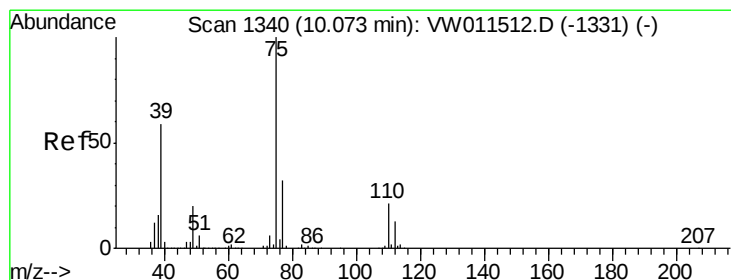
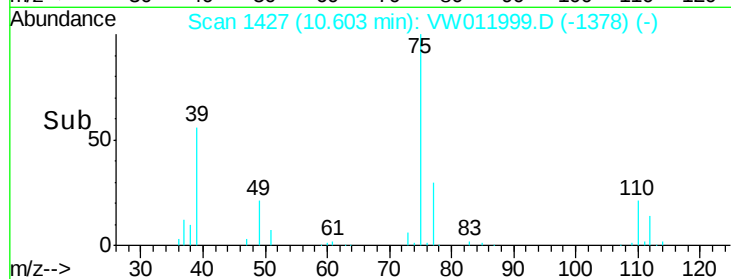
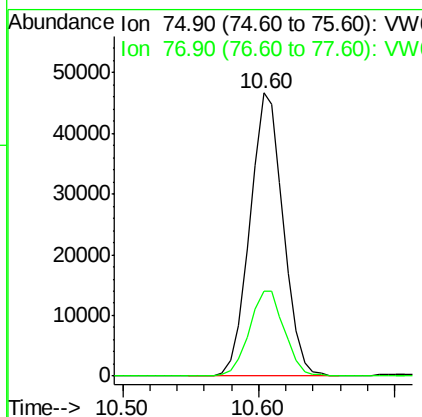
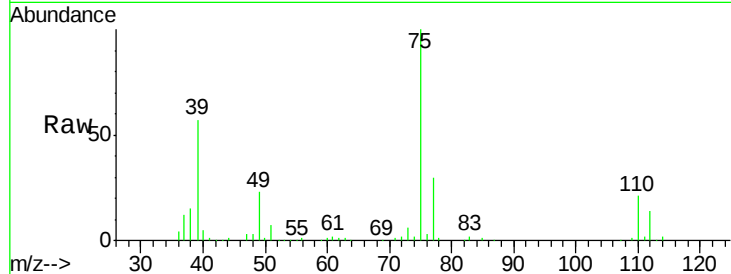
#53
 t-1,3-Dichloropropene
 Concen: 19.545 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion: 75 Resp: 79974
 Ion Ratio Lower Upper
 75 100
 77 29.9 25.0 37.4

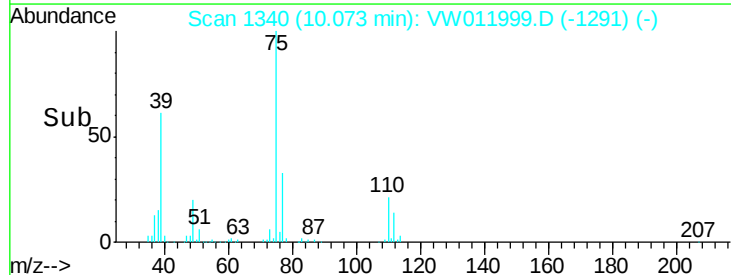
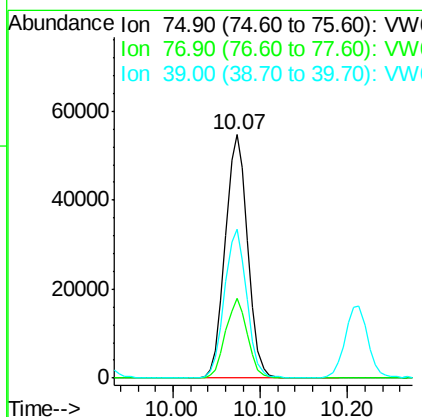
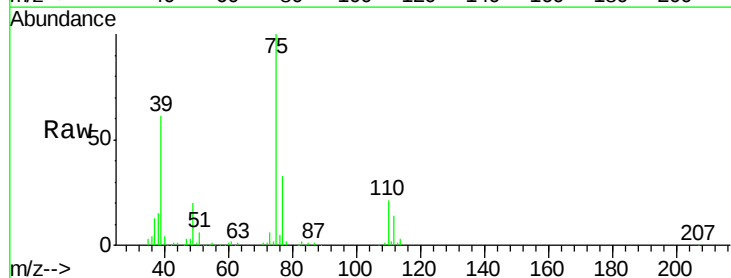
Manual Integrations
 APPROVED

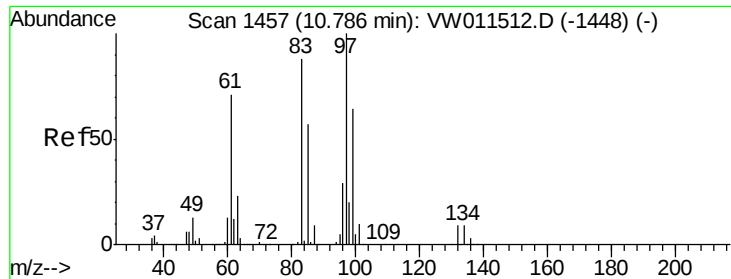
MMDadoda
 8/20/2019 9:55:38 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.990 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion: 75 Resp: 97255
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.6 38.4
 39 60.8 47.0 70.4





#55

1,1,2-Trichloroethane

Concen: 20.350 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

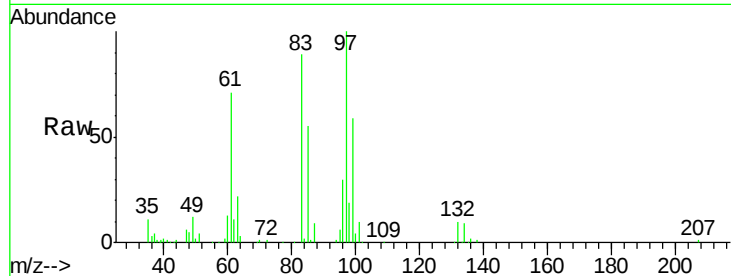
ClientSampleId :

VW0819SBS02

Tot Ion:	97	Resp:	43117
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.5	105.7
85	54.9	45.8	68.6
99	58.9	51.0	76.4

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM

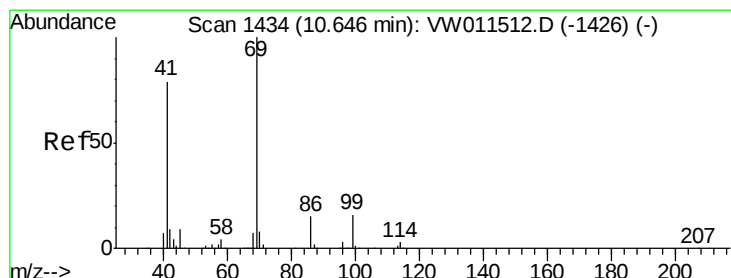
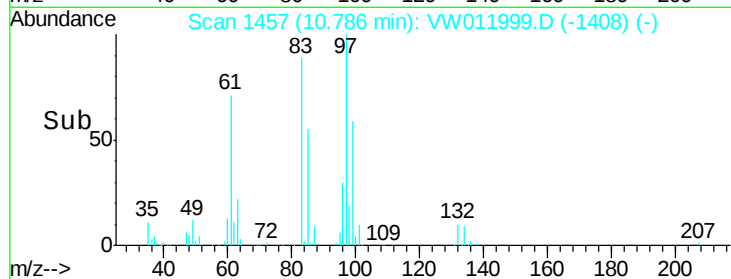
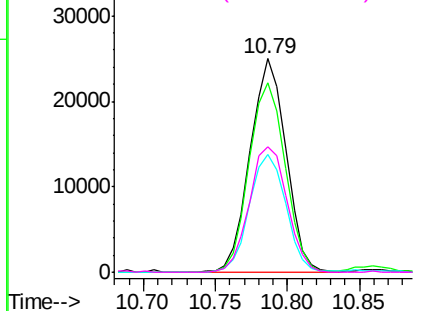


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 20.031 ug/l

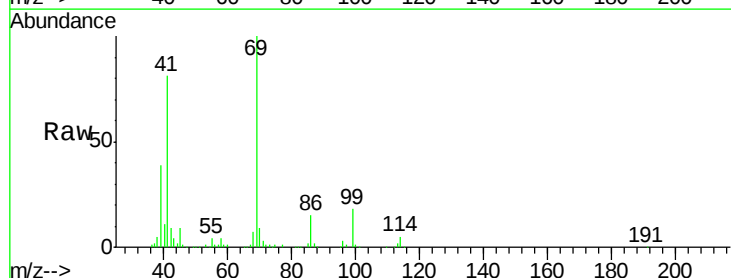
RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

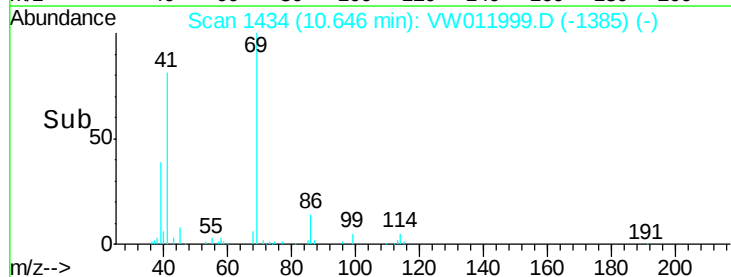
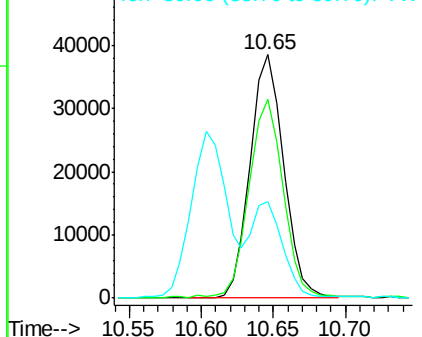
Tgt Ion:	69	Resp:	62106
Ion	Ratio	Lower	Upper
69	100		
41	83.4	66.6	99.8
39	37.3	30.3	45.5

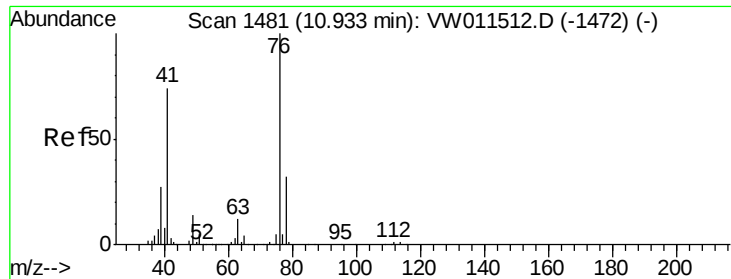


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





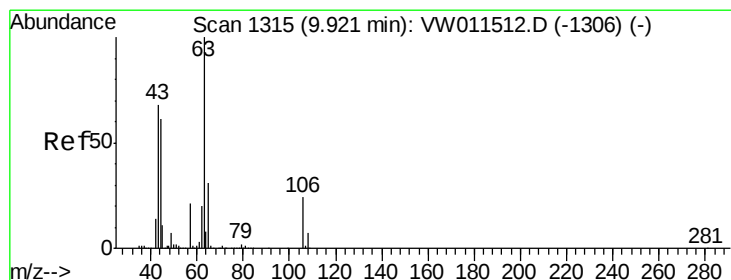
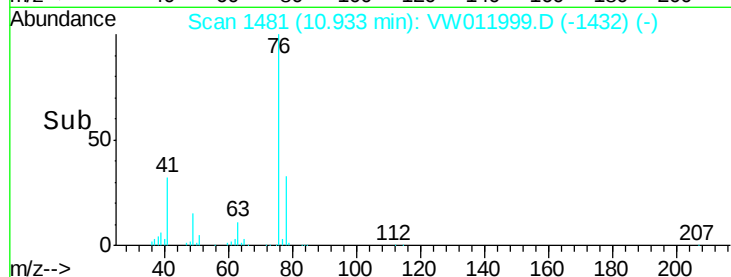
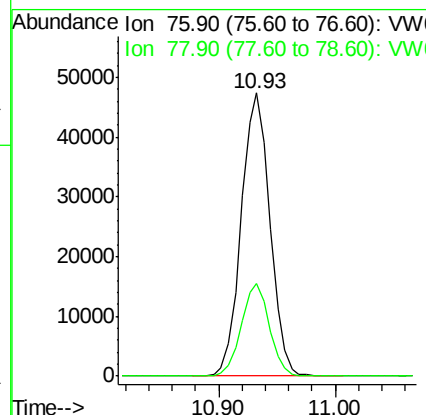
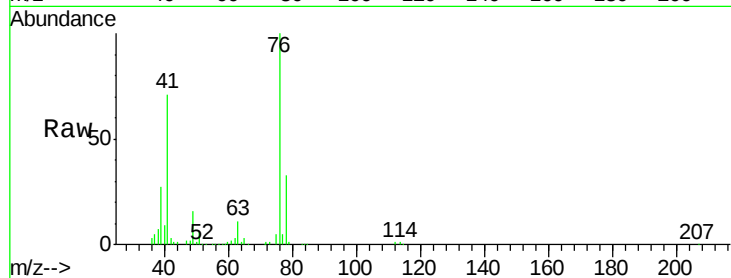
#57
 1,3-Dichloropropane
 Concen: 20.345 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD02

Tot Ion: 76 Resp: 81554
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.2 37.8

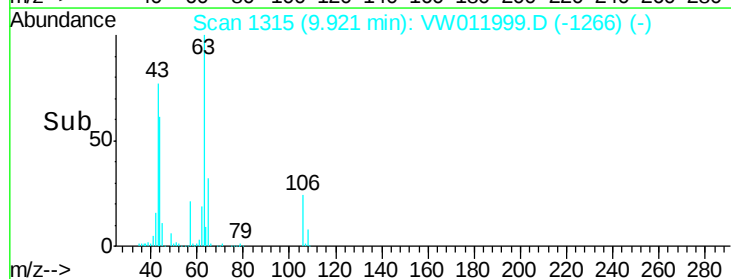
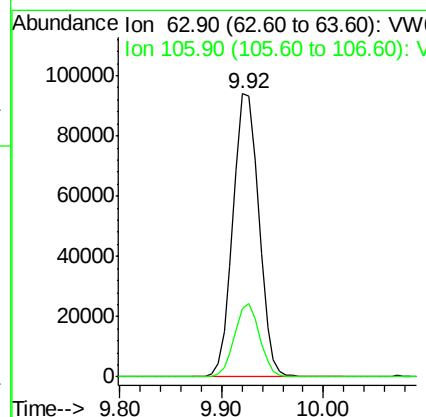
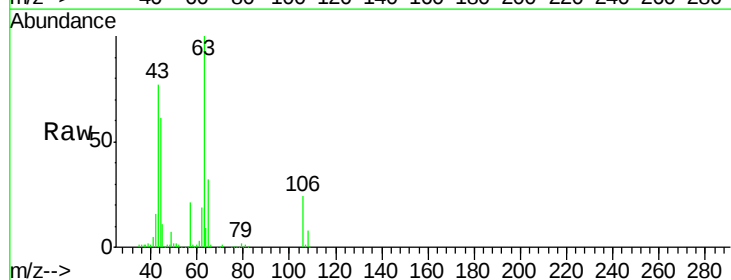
Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:55:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.586 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion: 63 Resp: 165529
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.7 29.5





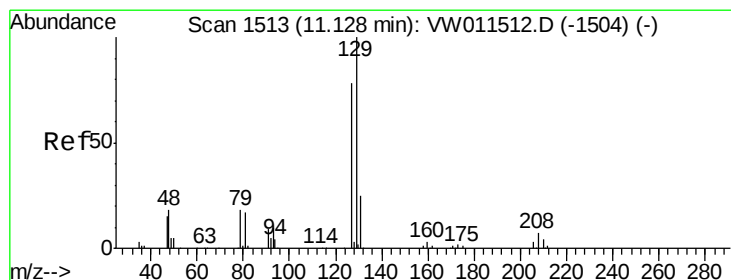
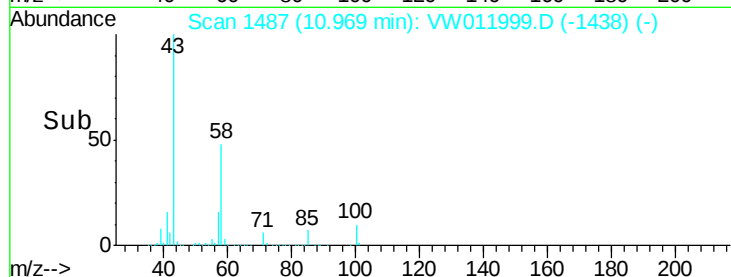
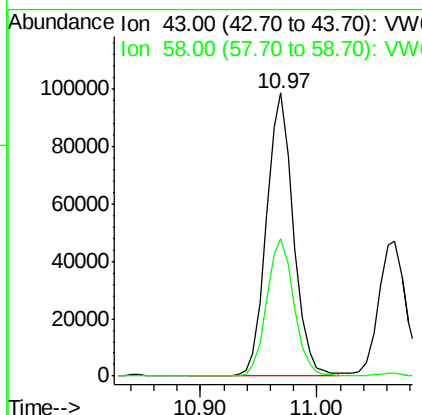
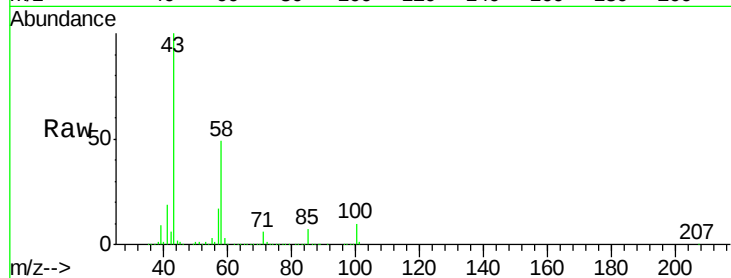
#59
2-Hexanone
Concen: 93.603 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	24.3	72.9

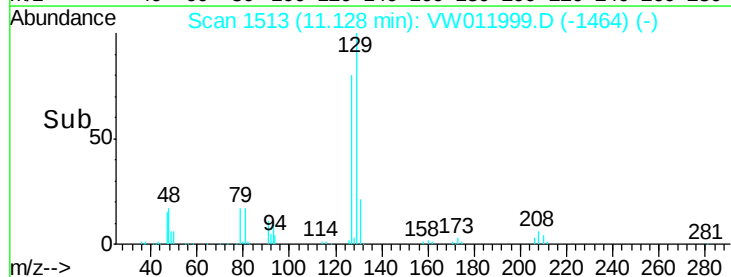
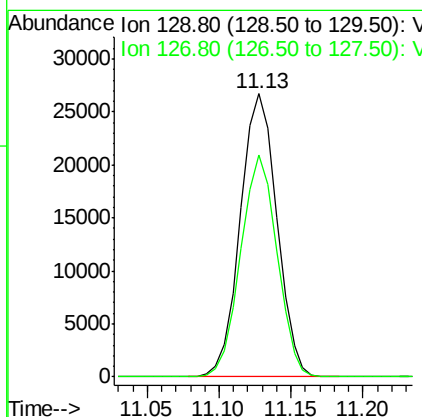
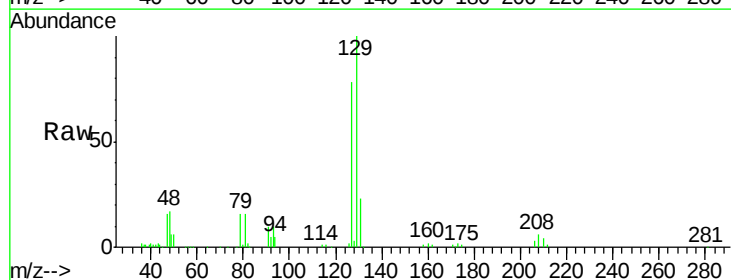
Manual Integrations
APPROVED

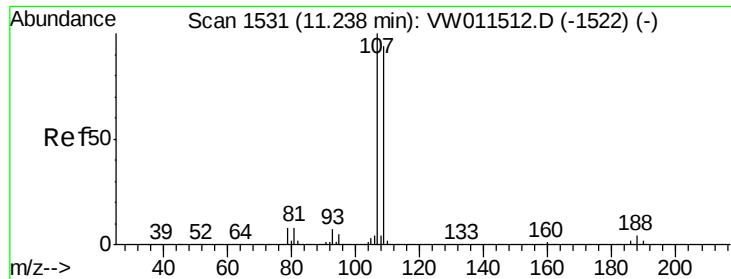
MMDadoda
8/20/2019 9:55:38 AM



#60
Dibromochloromethane
Concen: 20.013 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	38.9	116.7





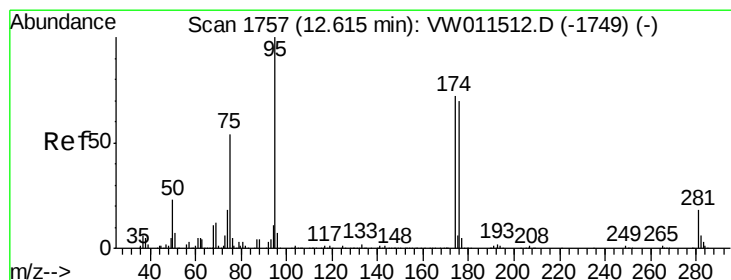
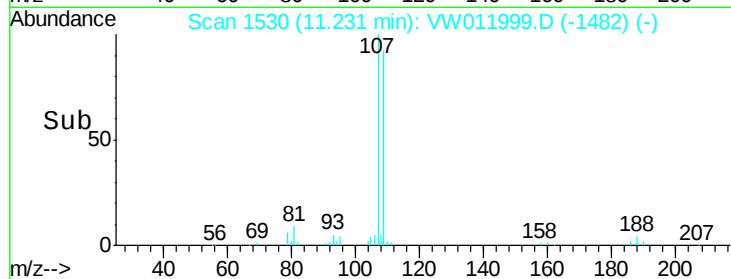
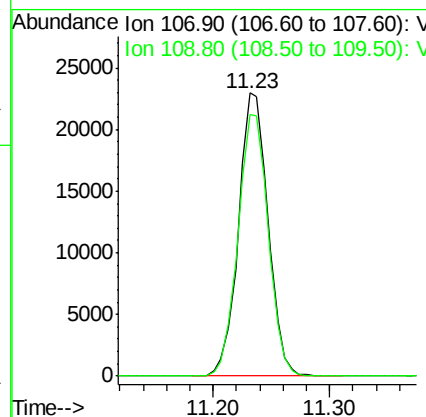
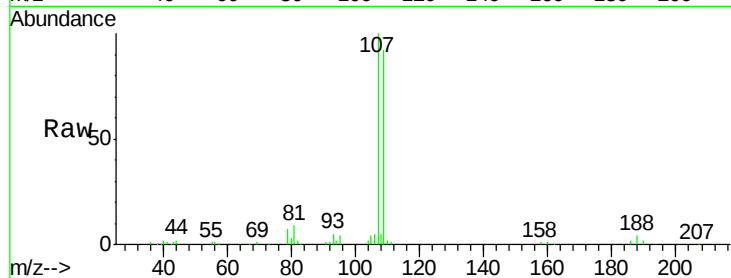
#61
 1,2-Dibromoethane
 Concen: 20.267 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.0	112.6

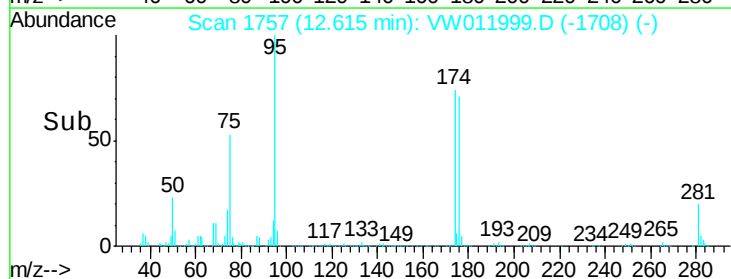
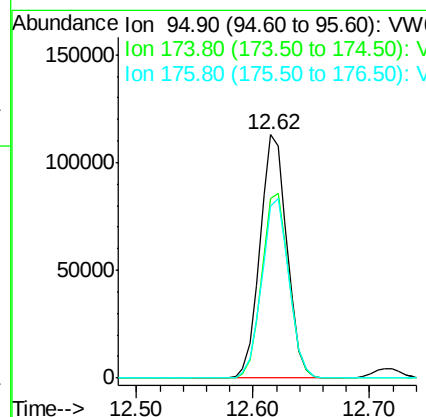
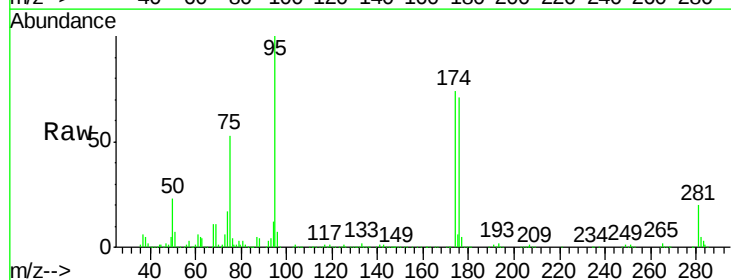
Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:55:38 AM



#62
 4-Bromofluorobenzene
 Concen: 53.089 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.3	0.0	150.2
176	74.3	0.0	144.4





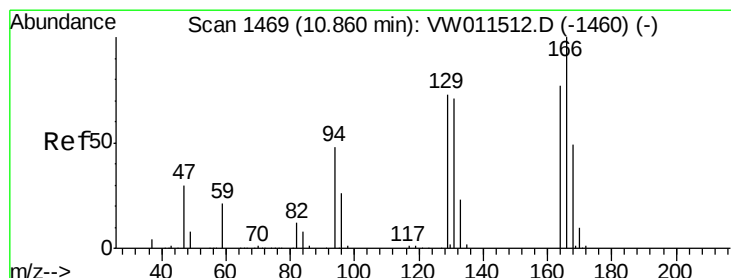
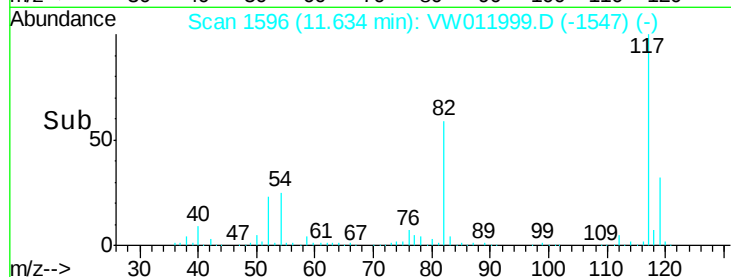
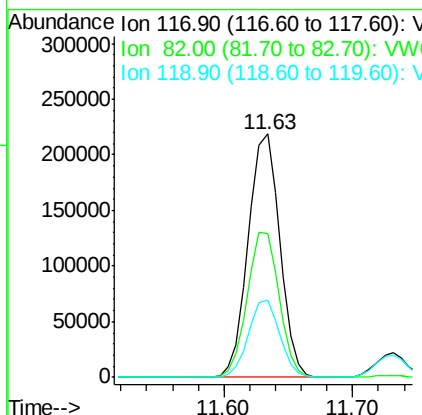
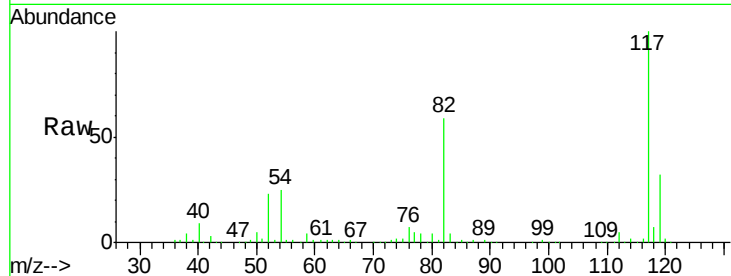
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	370337		
82	58.8	47.9	71.9	
119	31.7	26.2	39.2	

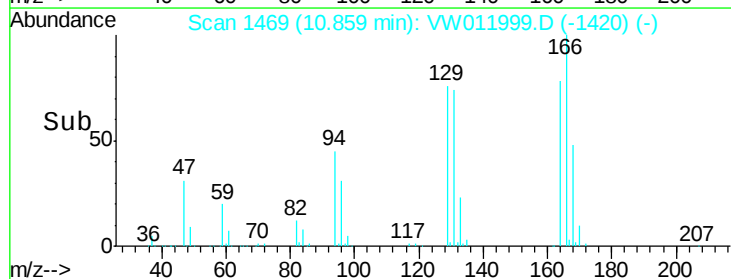
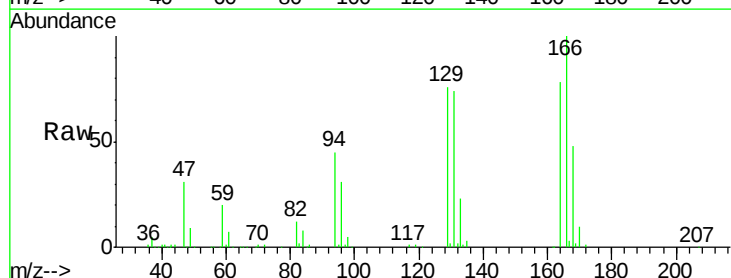
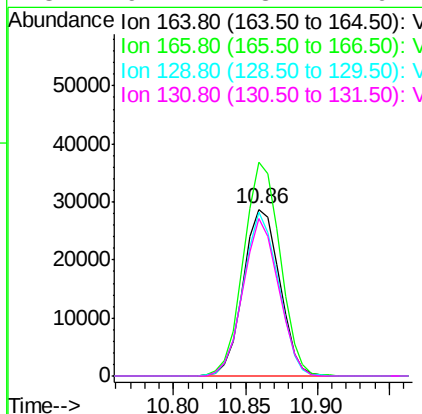
Manual Integrations
APPROVED

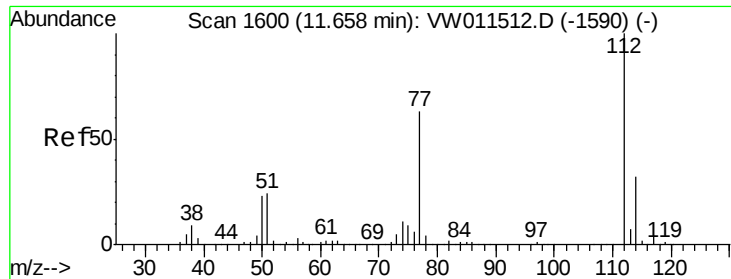
MMDadoda
8/20/2019 9:55:38 AM



#64
Tetrachloroethene
Concen: 20.875 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50335		
166	128.2	103.5	155.3	
129	98.0	75.2	112.8	
131	94.7	73.4	110.2	





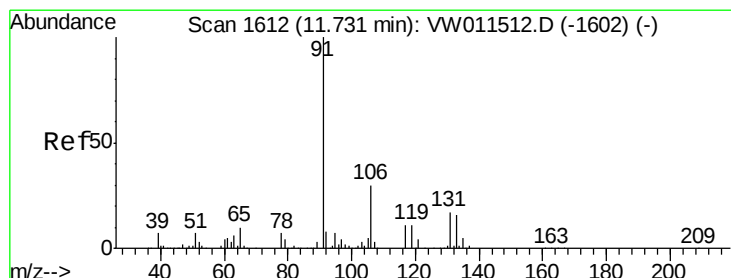
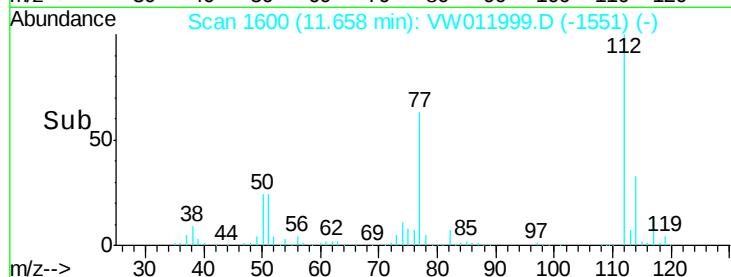
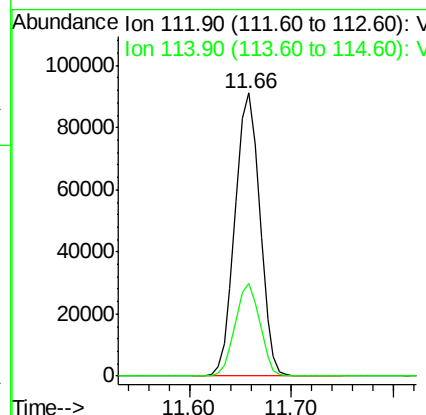
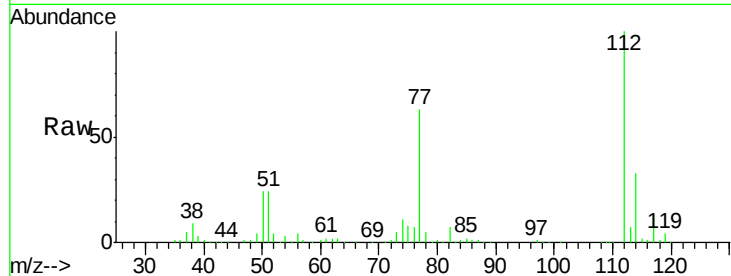
#65
Chlorobenzene
Concen: 20.604 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.6	38.4

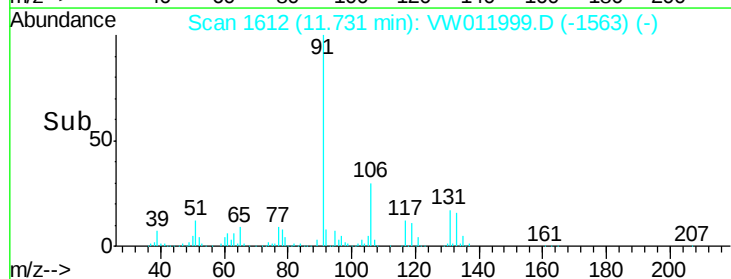
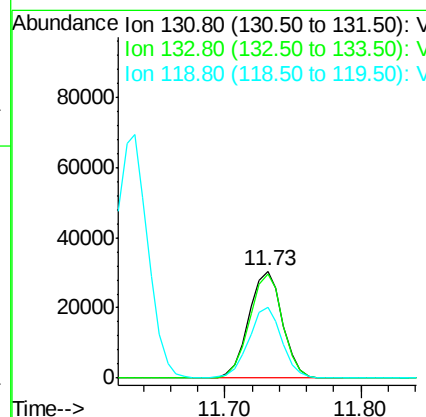
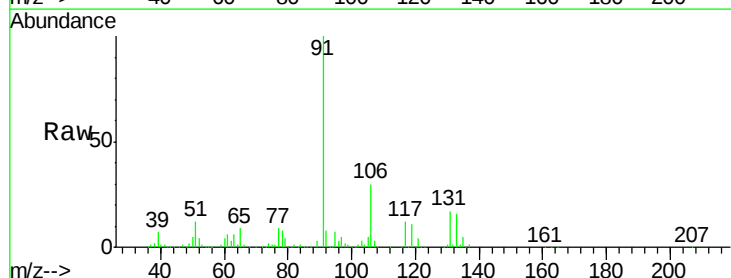
Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.296 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.4	142.2
119	65.1	32.3	96.9





#67

Ethyl Benzene

Concen: 20.548 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 91 Resp: 291376

Ion Ratio Lower Upper

91 100

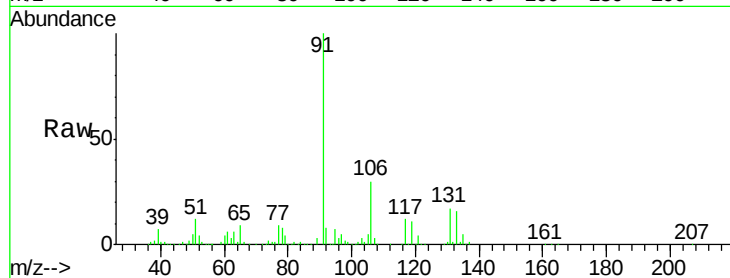
106 29.7 23.8 35.6

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

11.73

200000

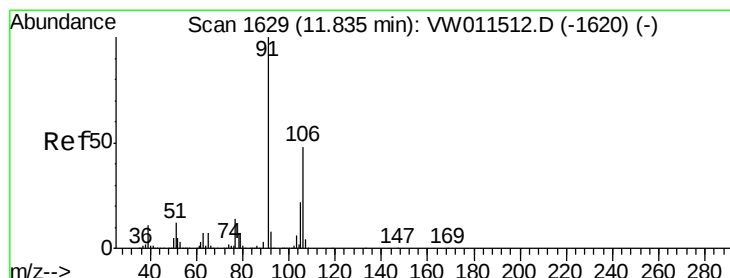
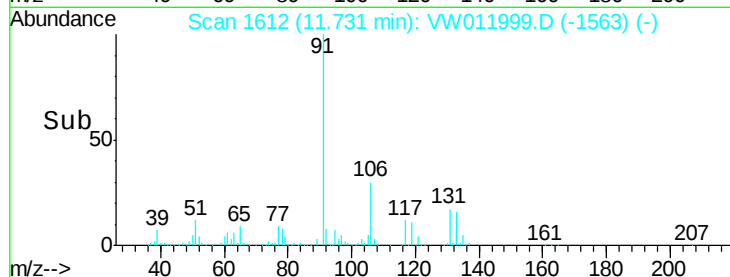
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 41.619 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW011999.D

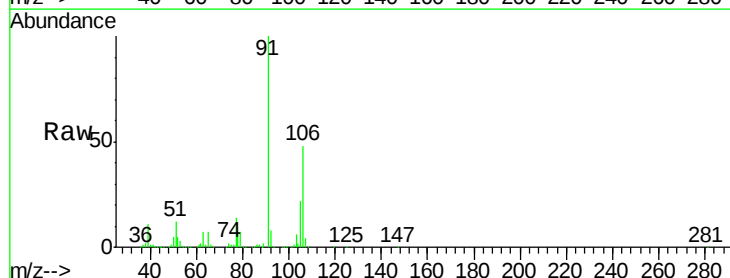
Acq: 19 Aug 2019 19:36

Tgt Ion:106 Resp: 214628

Ion Ratio Lower Upper

106 100

91 207.5 168.2 252.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

11.84

250000

200000

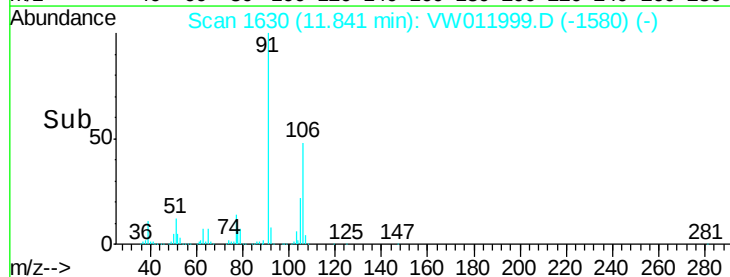
150000

100000

50000

0

Time-->





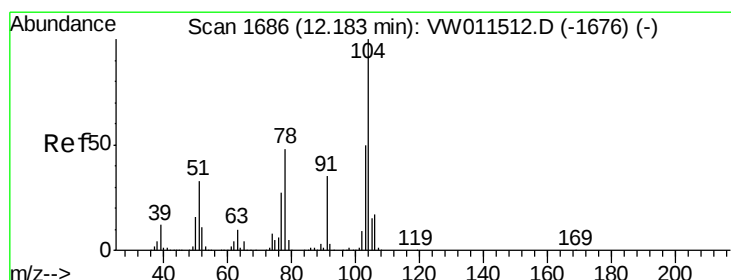
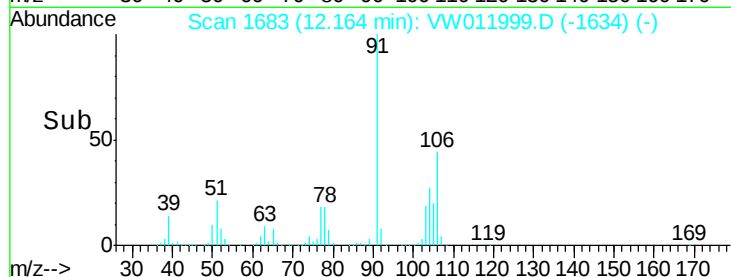
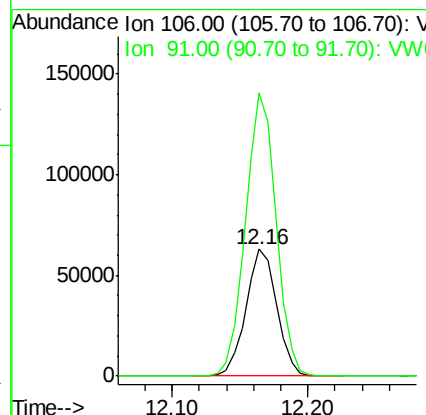
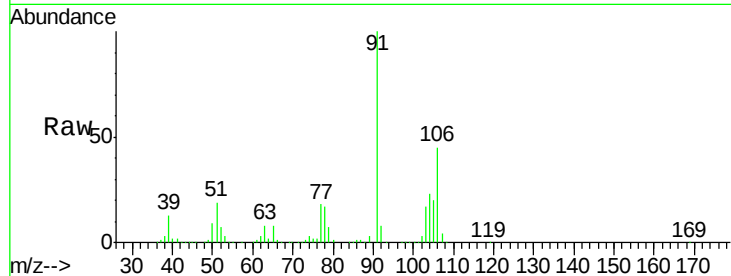
#69
o-Xylene
Concen: 20.914 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		100225		
91	220.8	110.5	331.5		

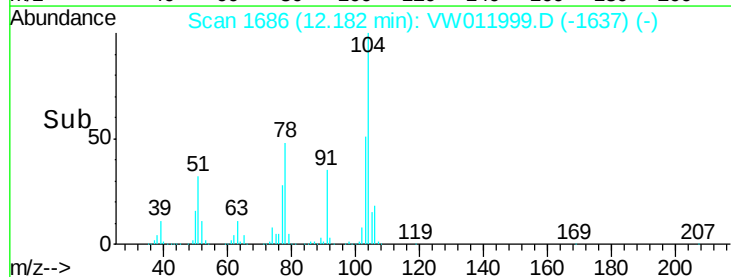
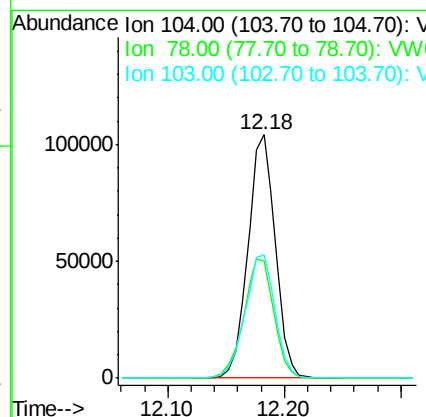
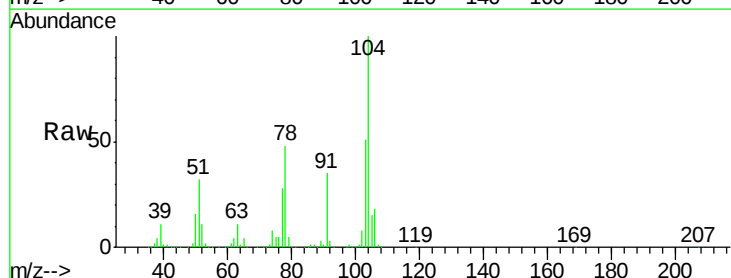
Manual Integrations
APPROVED

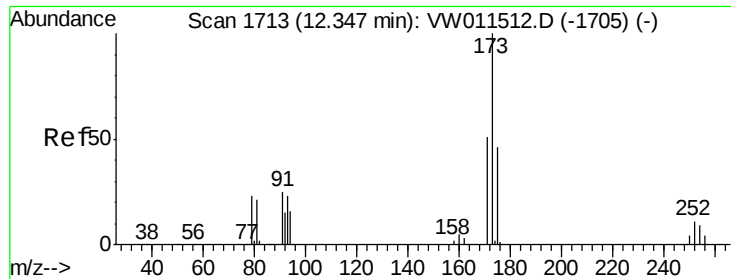
MMDadoda
8/20/2019 9:55:38 AM



#70
Styrene
Concen: 20.596 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		170653		
78	53.8	43.4	65.0		
103	55.4	43.9	65.9		





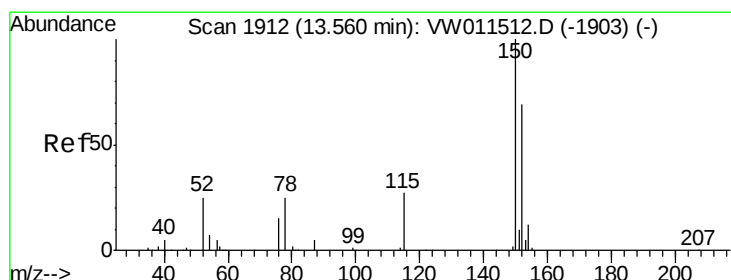
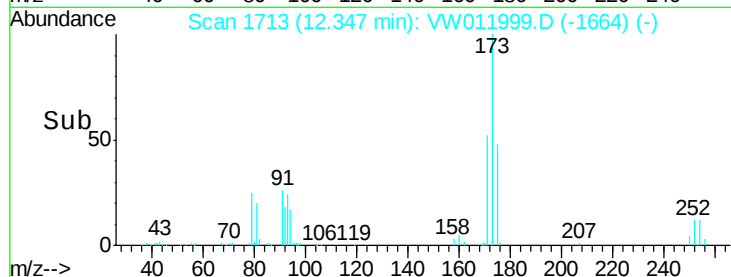
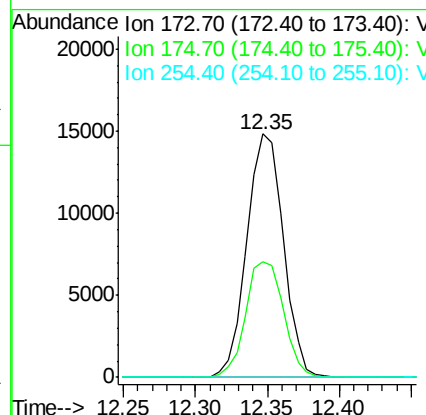
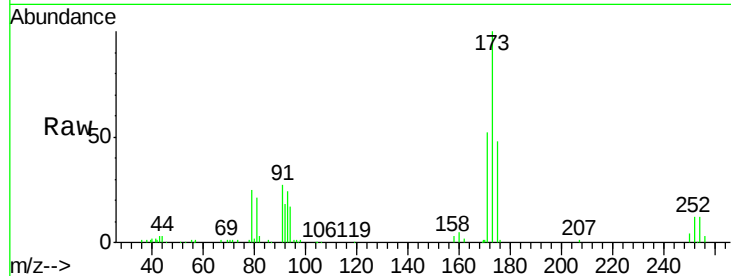
#71
Bromoform
Concen: 19.716 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.6	71.0
254	0.0	0.1	0.1#

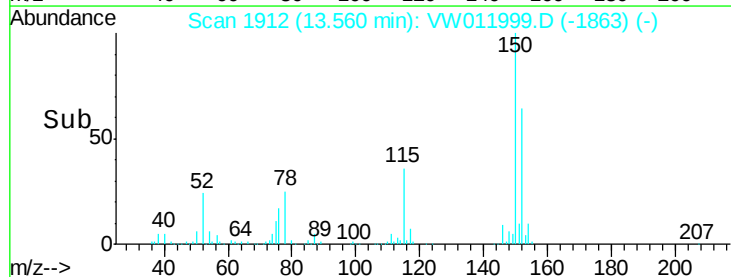
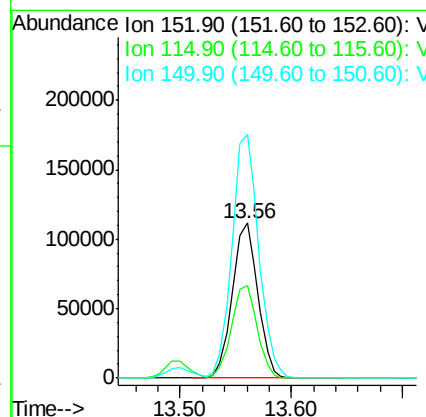
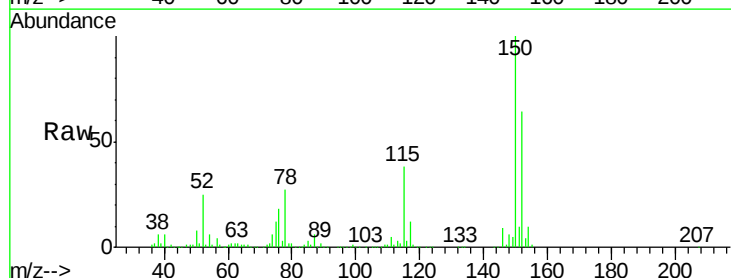
Manual Integrations
APPROVED

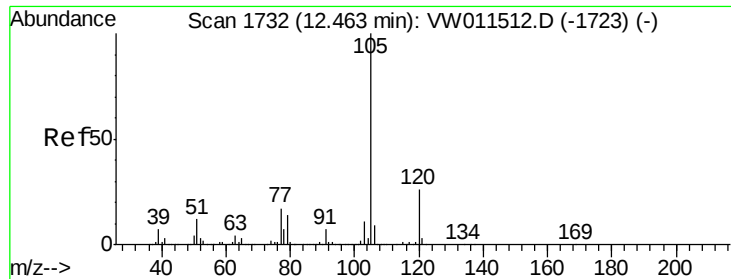
MMDadoda
8/20/2019 9:55:38 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.5	91.5
150	164.7	0.0	352.6





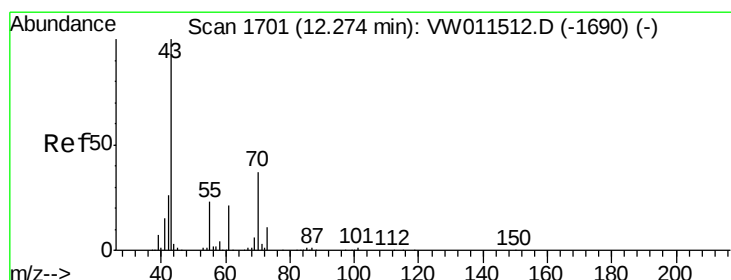
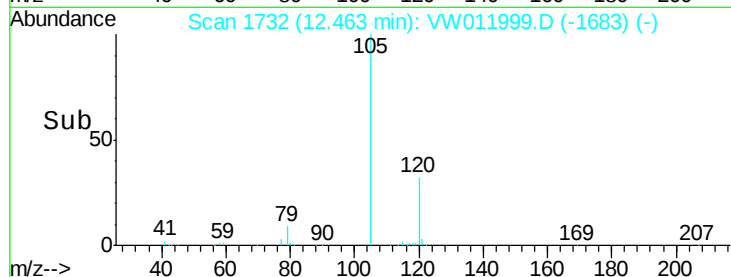
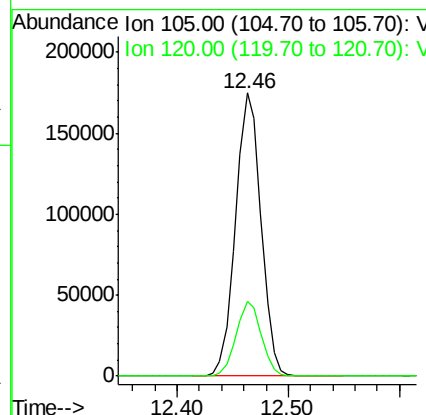
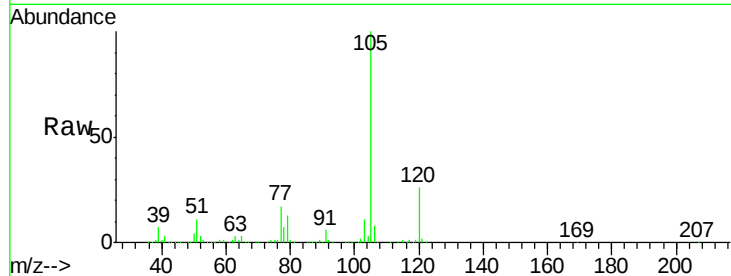
#73
Isopropylbenzene
Concen: 20.941 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

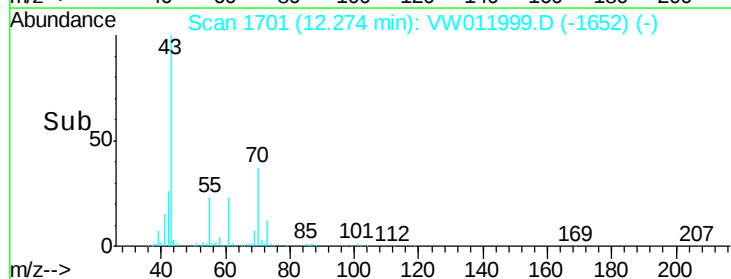
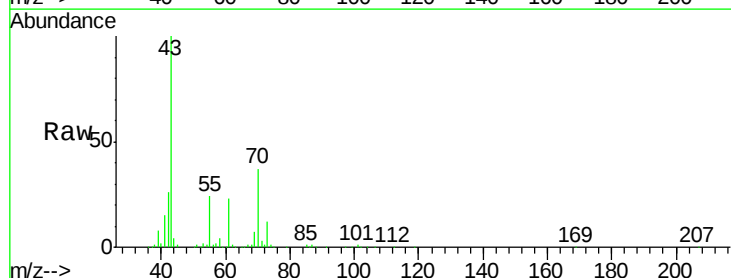
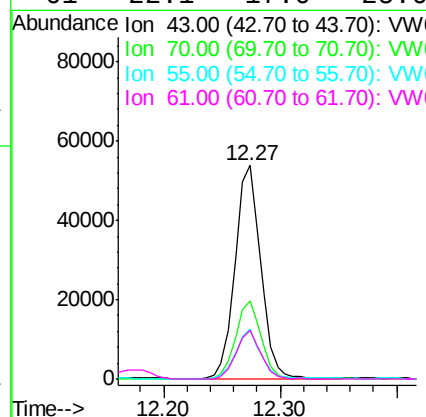
Manual Integrations
APPROVED

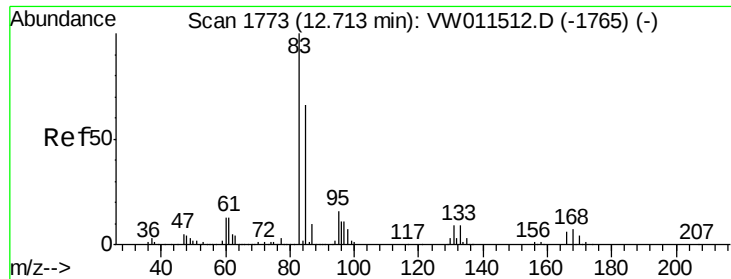
MMDadoda
8/20/2019 9:55:38 AM



#74
N-ethyl acetate
Concen: 20.022 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.2	28.6	43.0
55	22.6	17.8	26.8
61	22.1	17.0	25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.602 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

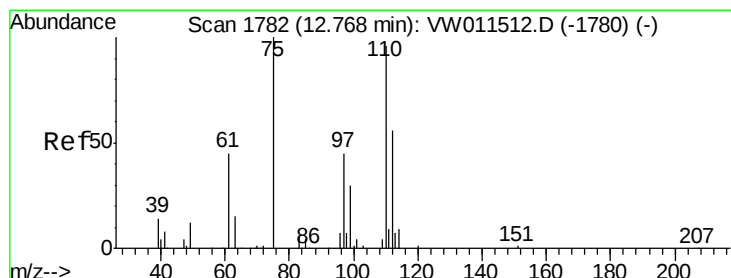
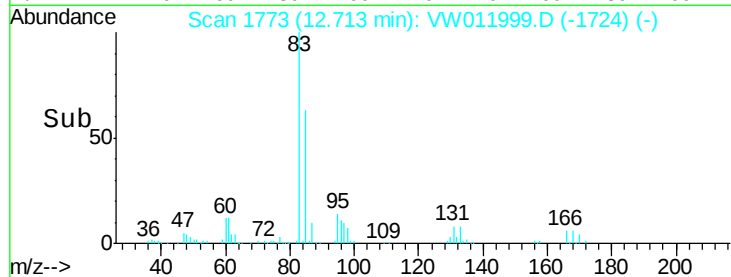
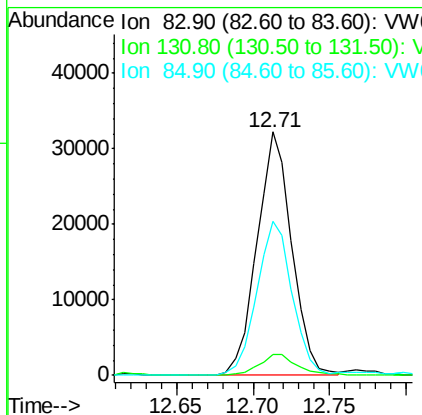
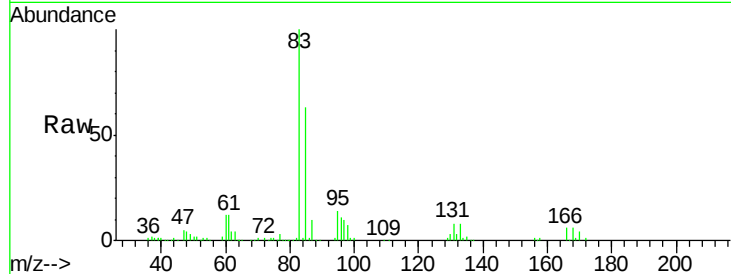
ClientSampleId :

VW0819SBS02

Tot Ion:	83	Resp:	51113
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	64.5	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#76

1,2,3-Trichloropropane

Concen: 18.803 ug/l m

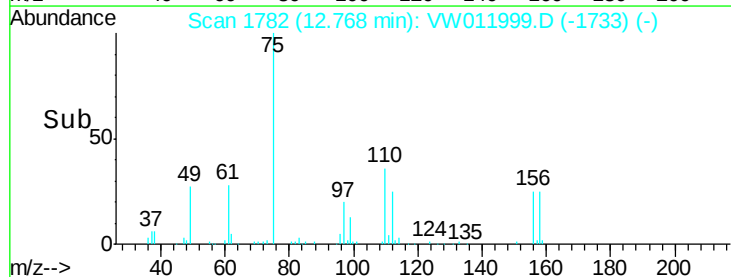
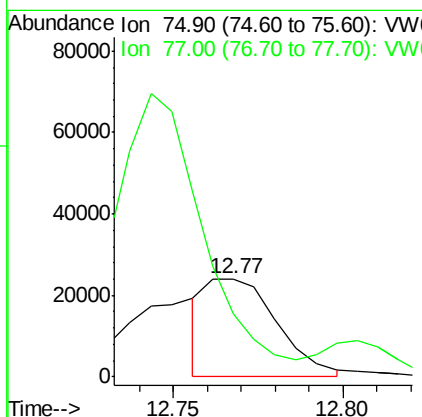
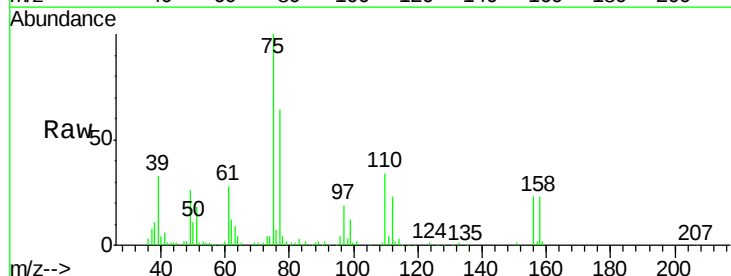
RT: 12.77 min Scan# 1782

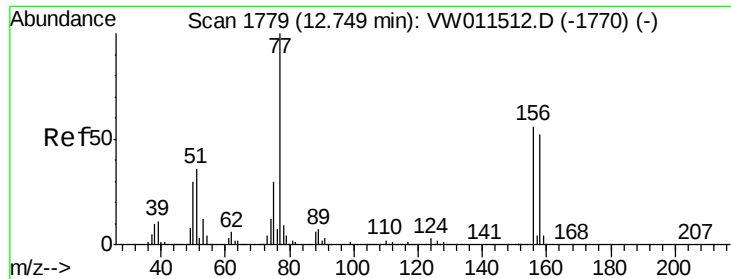
Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Tgt Ion:	75	Resp:	35175
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.867 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion:156 Resp: 60833

Ion Ratio Lower Upper

156 100

77 210.7 106.5 319.4

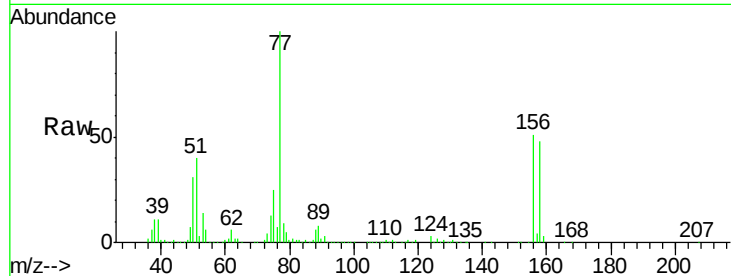
158 97.1 48.0 144.2

Manual Integrations

APPROVED

MMDadoda

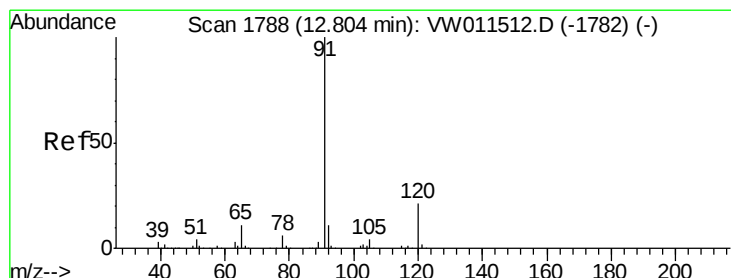
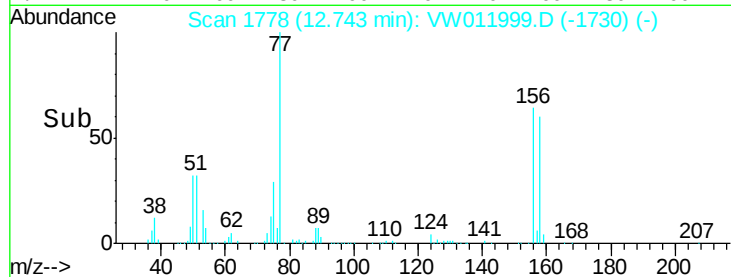
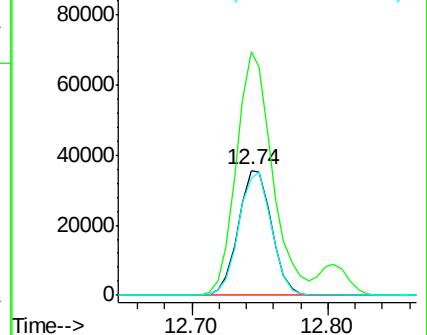
8/20/2019 9:55:38 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.959 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW011999.D

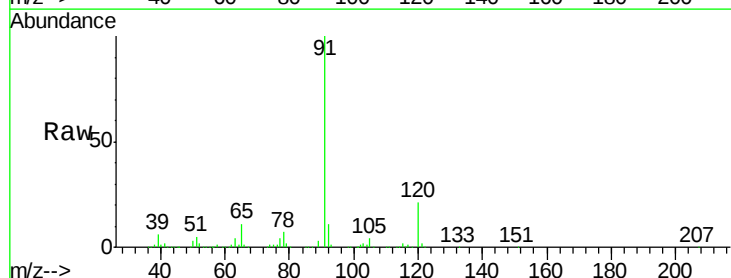
Acq: 19 Aug 2019 19:36

Tgt Ion: 91 Resp: 336423

Ion Ratio Lower Upper

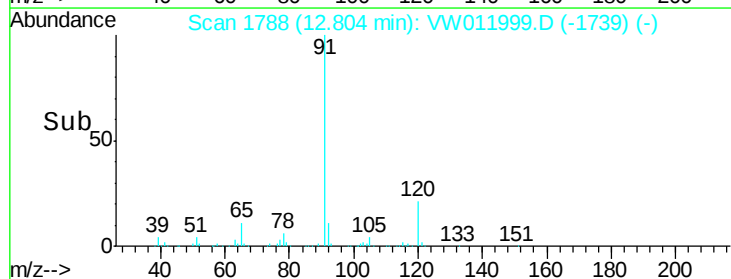
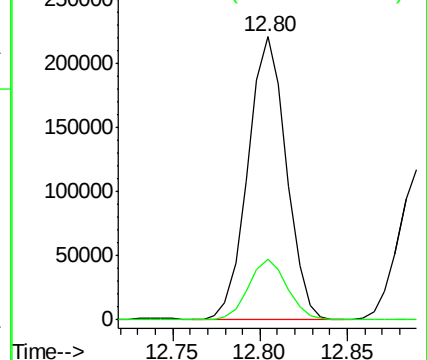
91 100

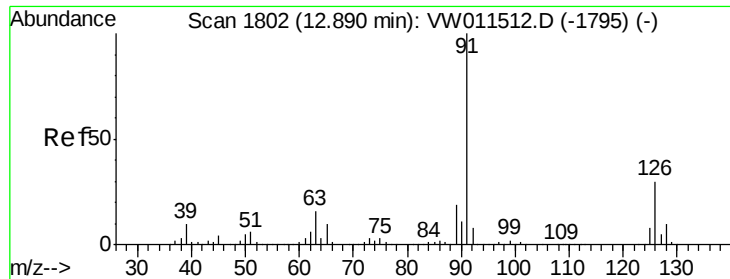
120 21.6 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.858 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion: 91 Resp: 192885

Ion Ratio Lower Upper

91 100

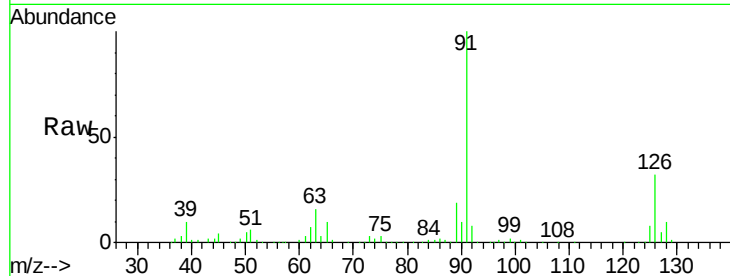
126 31.5 15.7 47.1

Manual Integrations

APPROVED

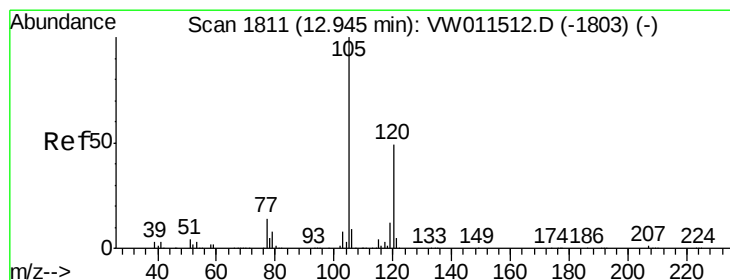
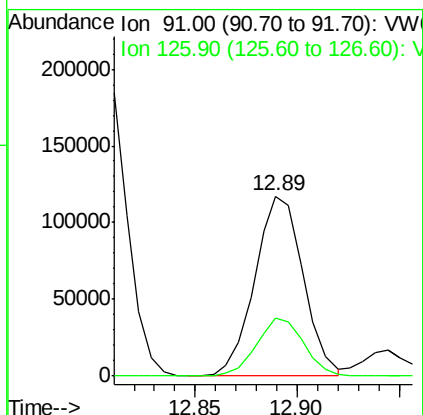
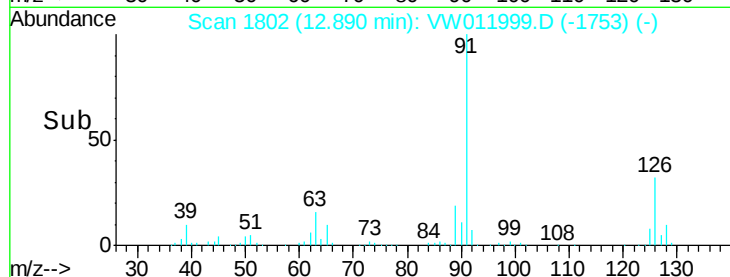
MMDadoda

8/20/2019 9:55:38 AM



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: 21.115 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011999.D

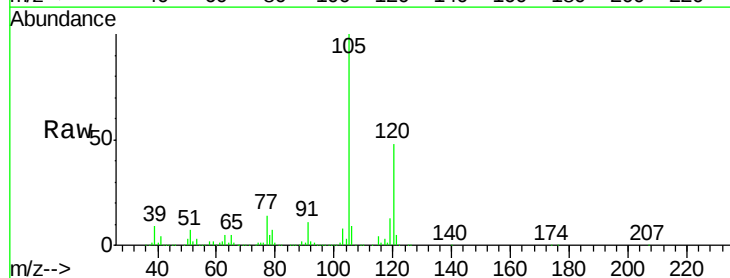
Acq: 19 Aug 2019 19:36

Tgt Ion:105 Resp: 233451

Ion Ratio Lower Upper

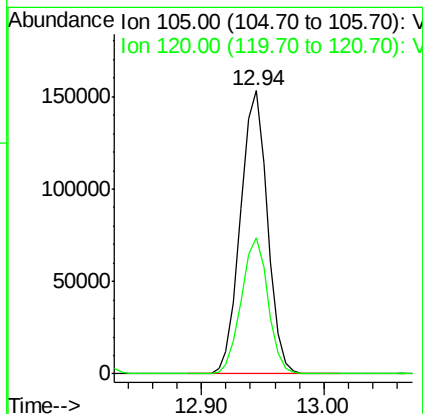
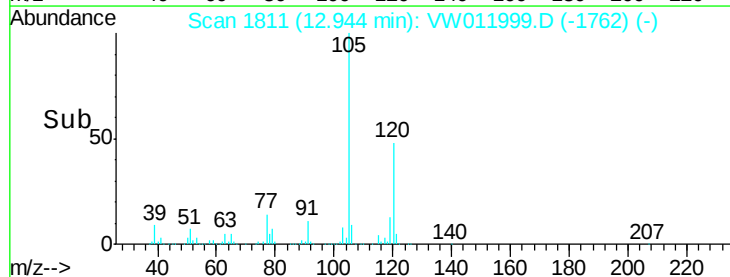
105 100

120 48.0 24.1 72.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





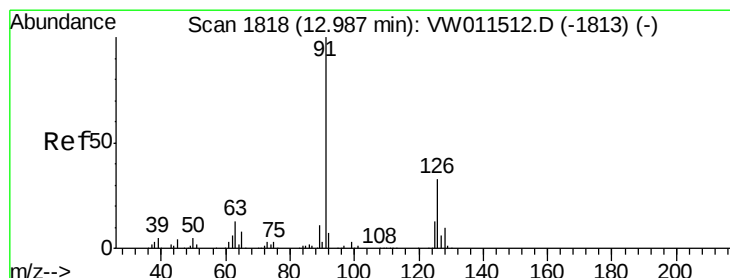
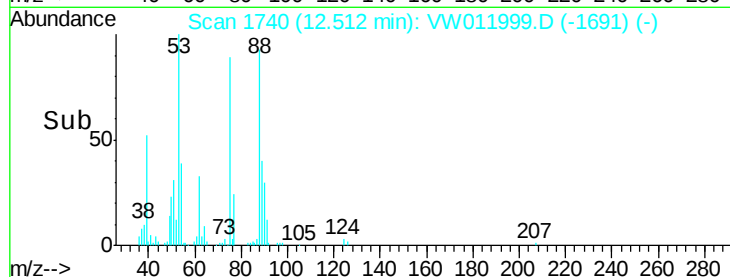
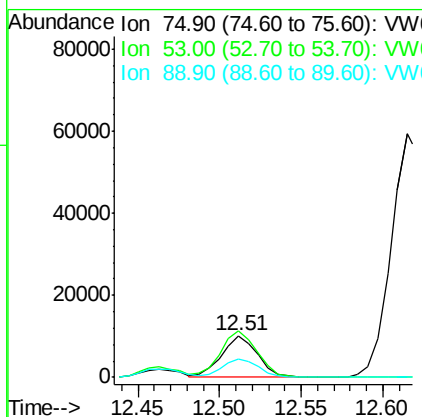
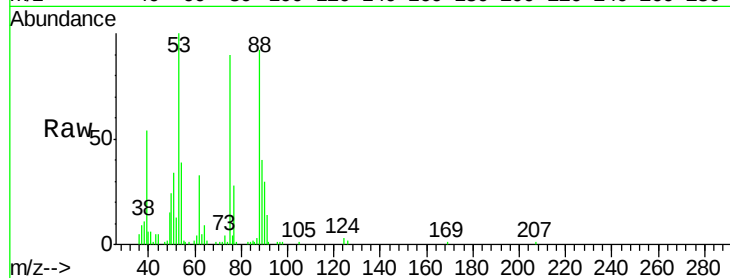
#81
trans-1,4-Dichloro-2-butene
Concen: 19.236 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.4	88.0	132.0
89	43.8	35.3	52.9

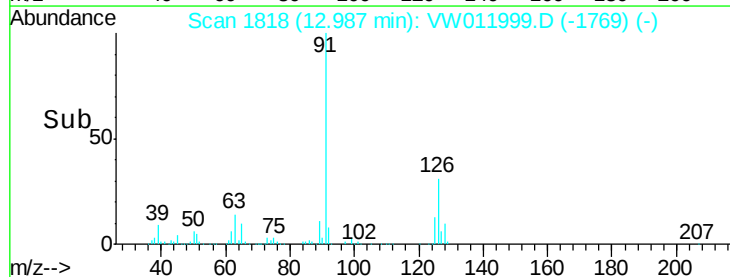
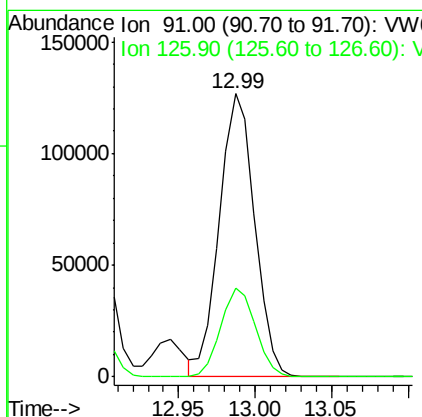
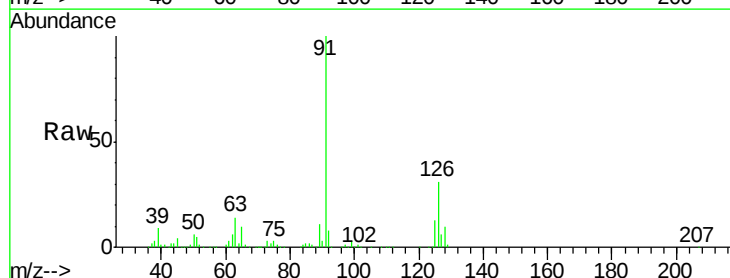
Manual Integrations
APPROVED

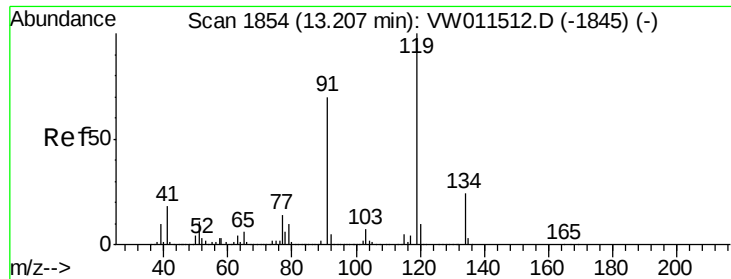
MMDadoda
8/20/2019 9:55:38 AM



#82
4-Chlorotoluene
Concen: 20.872 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.6	46.8





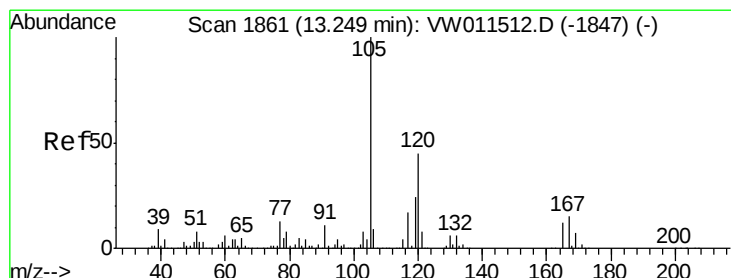
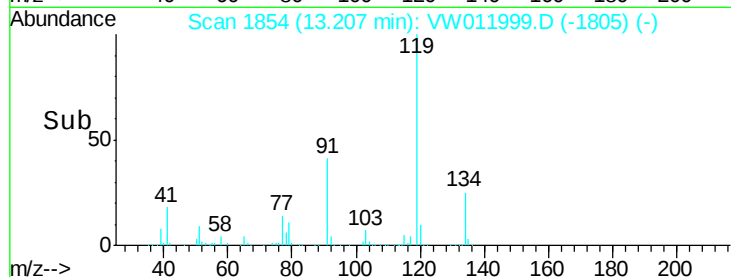
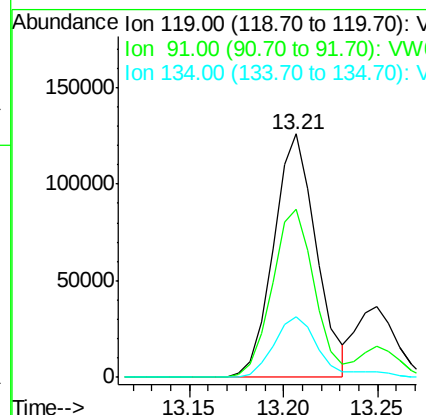
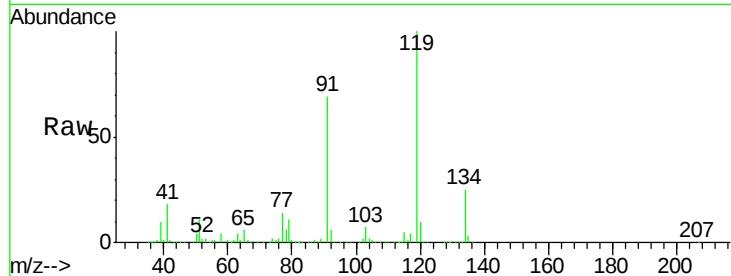
#83
tert-Butylbenzene
Concen: 21.363 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	197512		
91	68.2		34.5	103.6
134	25.2		12.4	37.4

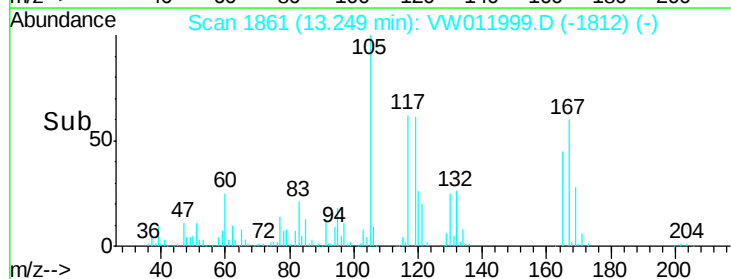
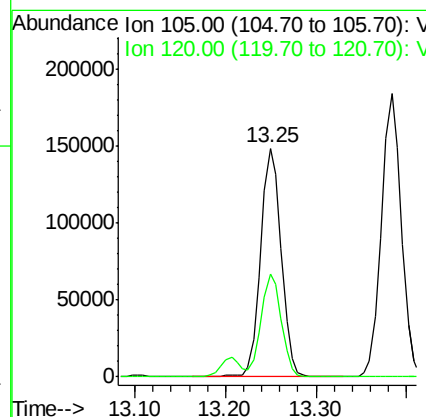
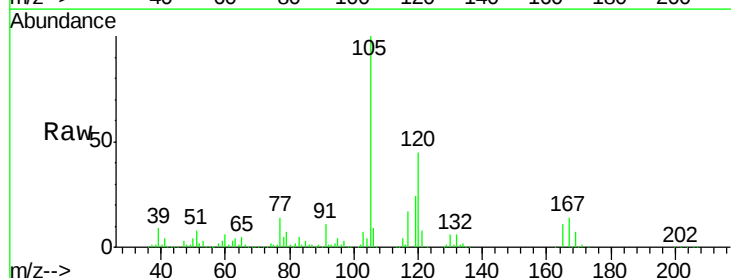
Manual Integrations
APPROVED

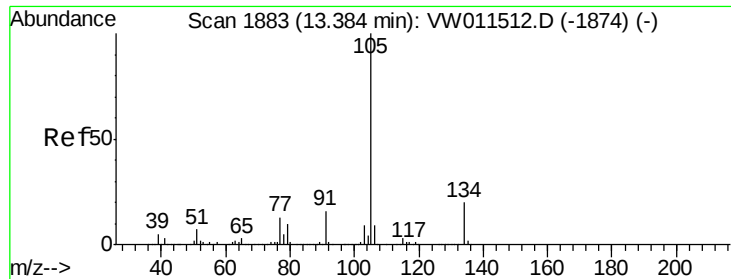
MMDadoda
8/20/2019 9:55:38 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.979 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	233651		
120	44.1		22.1	66.5





#85

sec-Butylbenzene

Concen: 21.200 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS02

Tot Ion:105 Resp: 279684

Ion Ratio Lower Upper

105 100

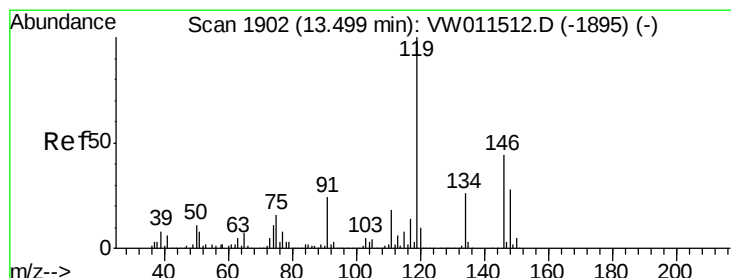
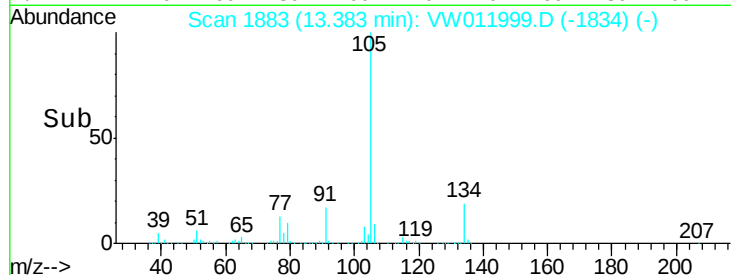
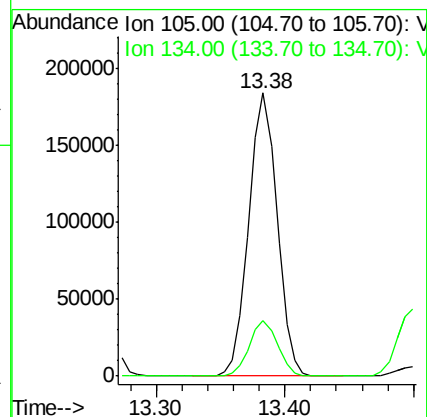
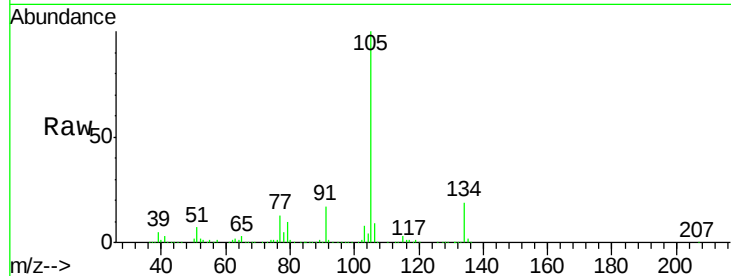
134 19.5 9.7 29.1

Manual Integrations

APPROVED

MMDadoda

8/20/2019 9:55:38 AM



#86

p-Isopropyltoluene

Concen: 21.024 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011999.D

Acq: 19 Aug 2019 19:36

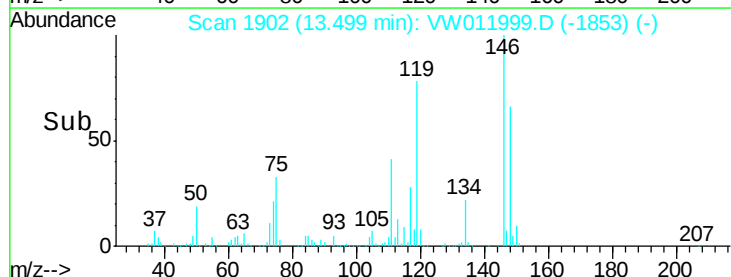
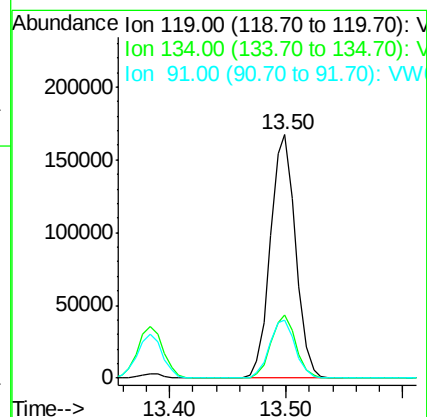
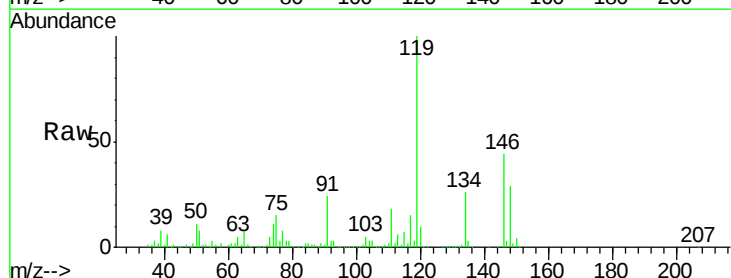
Tgt Ion:119 Resp: 251654

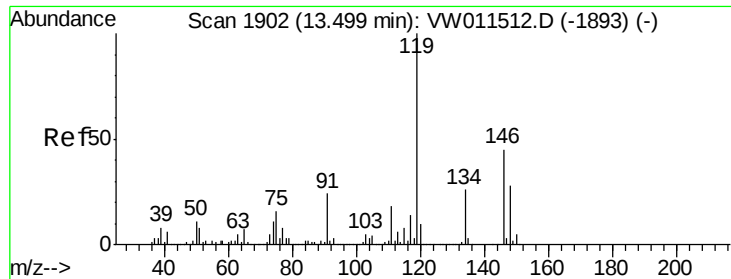
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 24.1 12.1 36.3





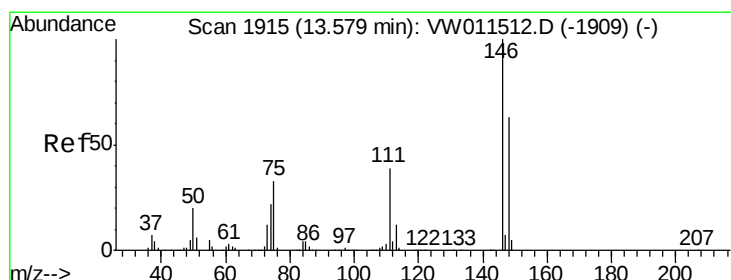
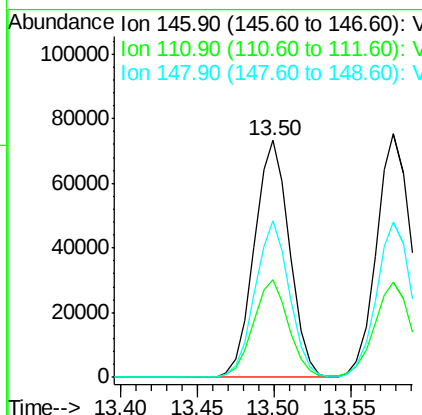
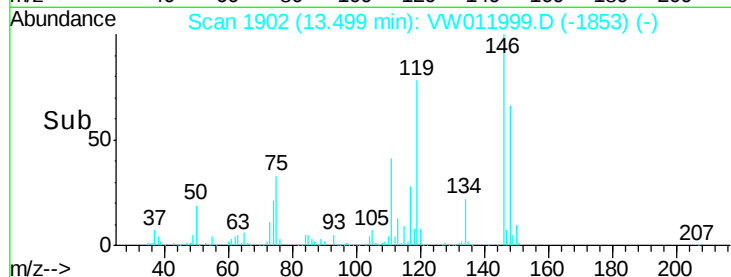
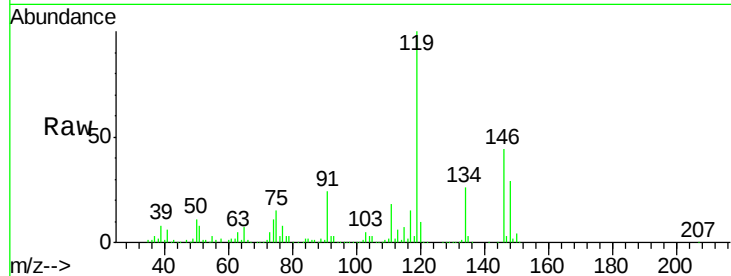
#87
 1,3-Dichlorobenzene
 Concen: 20.565 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	20.5	61.6	
148	64.7	31.8	95.3	

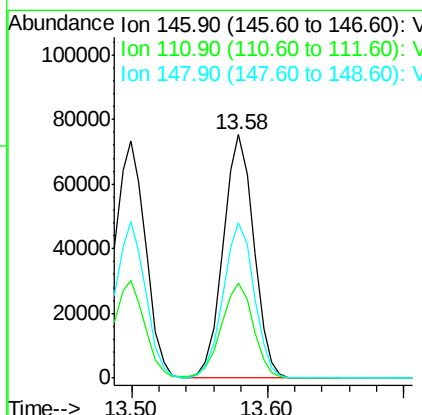
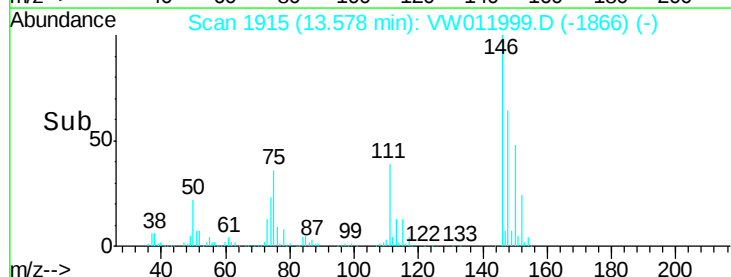
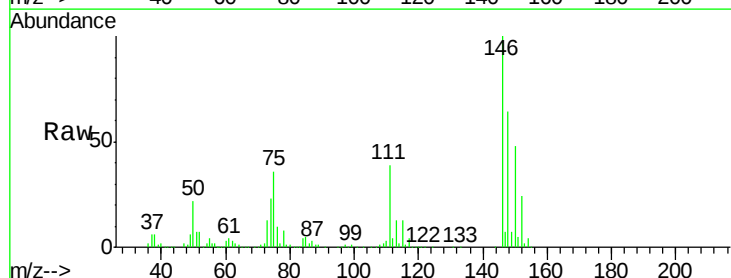
Manual Integrations
 APPROVED

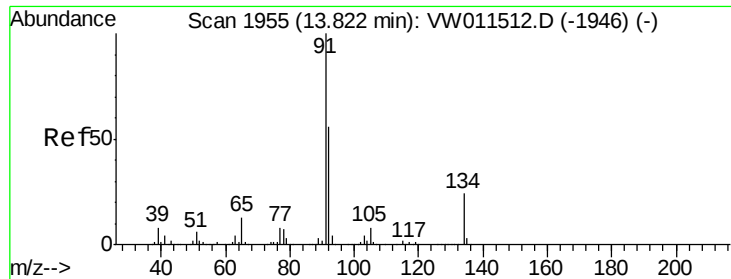
MMDadoda
 8/20/2019 9:55:38 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.737 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.7	20.1	60.2	
148	64.3	31.9	95.9	





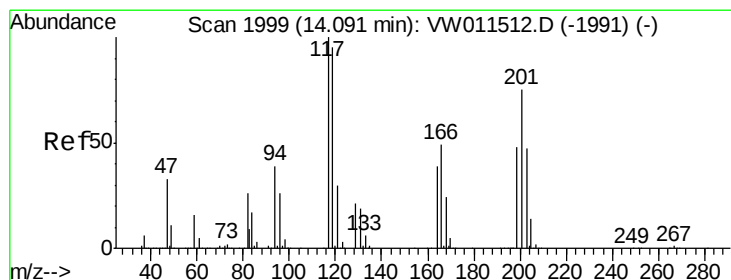
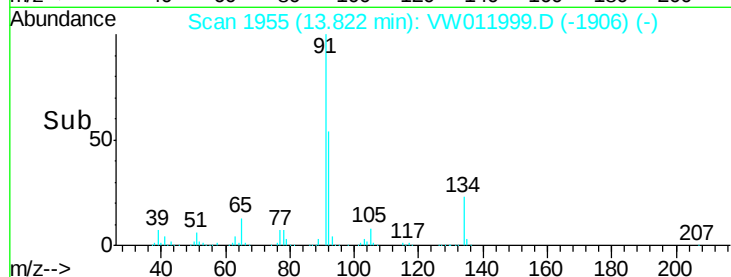
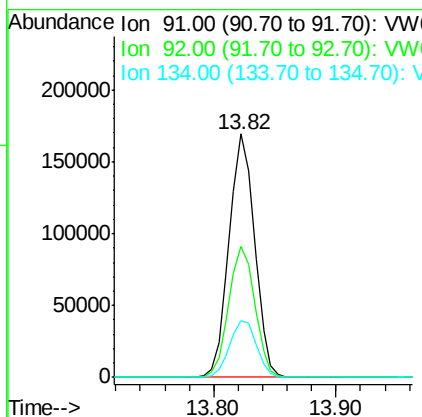
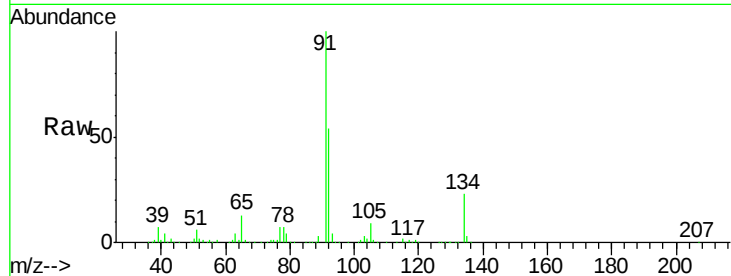
#89
n-Butylbenzene
Concen: 20.573 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	245749		
92	54.6		27.5	82.4
134	24.3		12.2	36.6

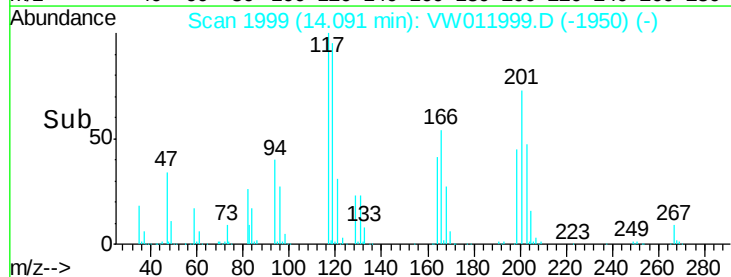
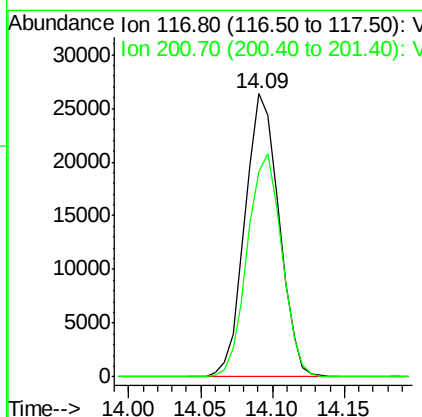
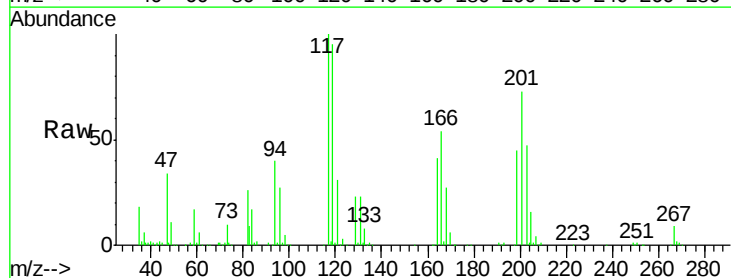
Manual Integrations
APPROVED

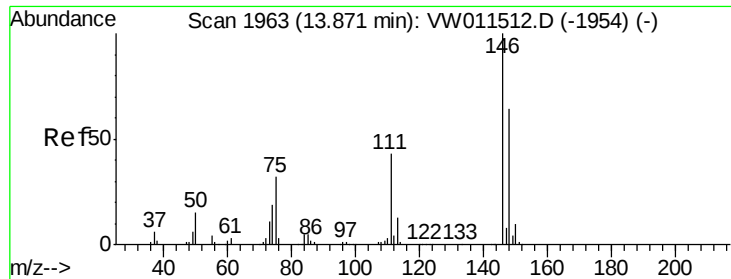
MMDadoda
8/20/2019 9:55:38 AM



#90
Hexachloroethane
Concen: 20.413 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43206		
201	79.6		39.4	118.2





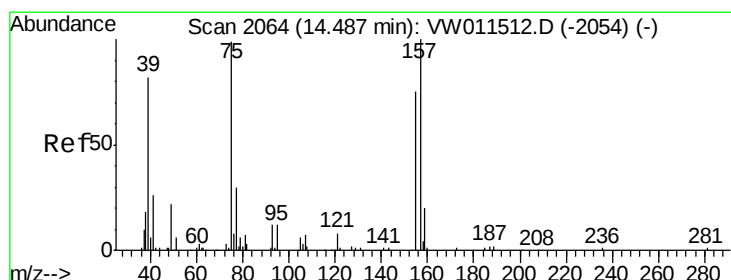
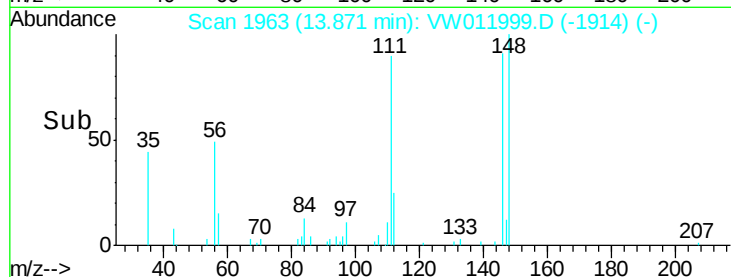
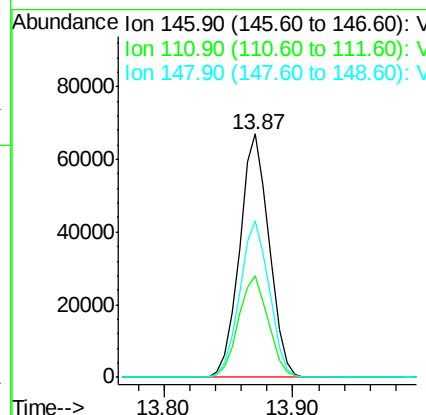
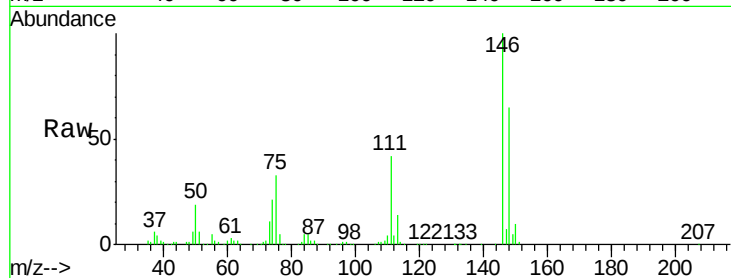
#91
 1,2-Dichlorobenzene
 Concen: 20.962 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	105979		
111	42.0		21.6	65.0
148	64.6		32.0	96.2

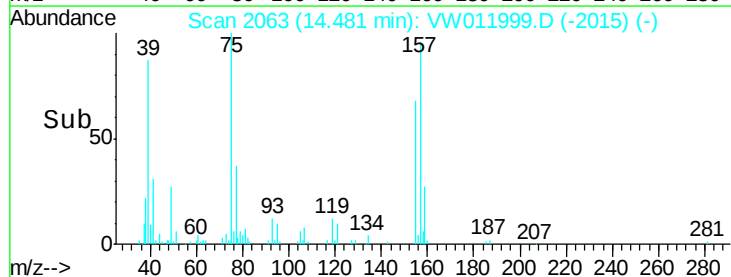
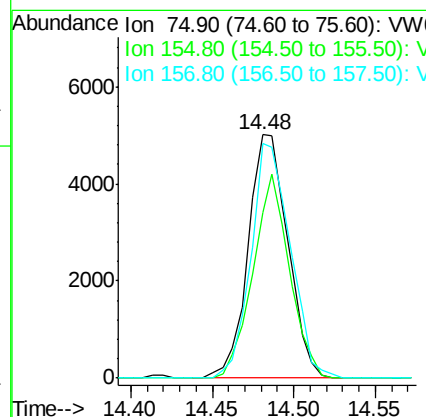
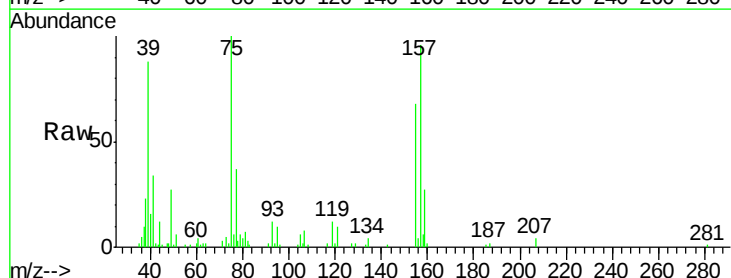
Manual Integrations
 APPROVED

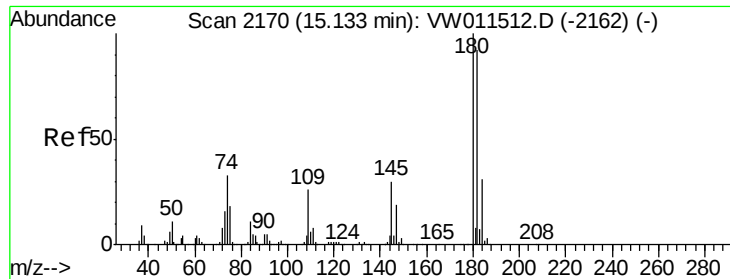
MMDadoda
 8/20/2019 9:55:38 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.065 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8489		
155	77.0		38.2	114.6
157	96.2		48.9	146.7





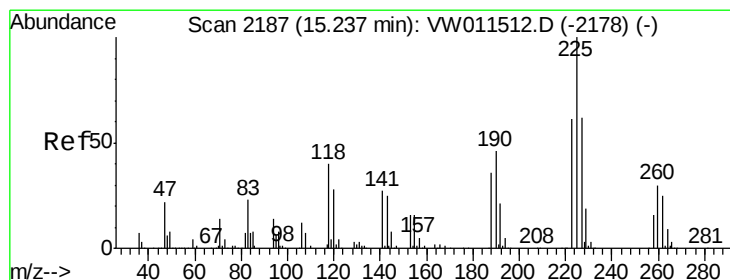
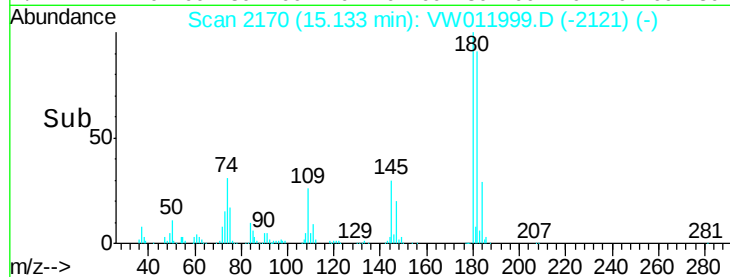
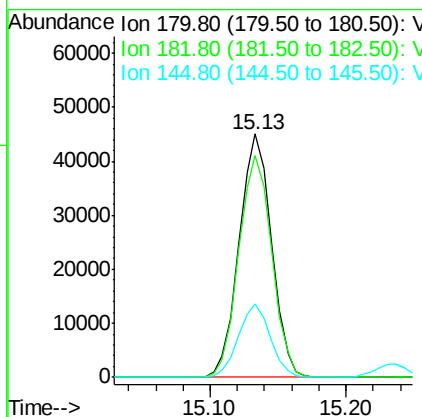
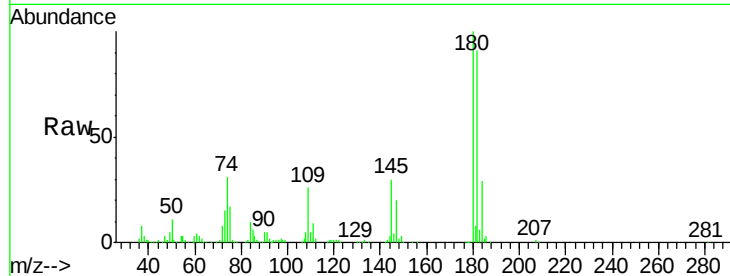
#93
 1,2,4-Trichlorobenzene
 Concen: 21.059 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	75038		
182	92.8		47.4	142.2
145	29.8		15.4	46.1

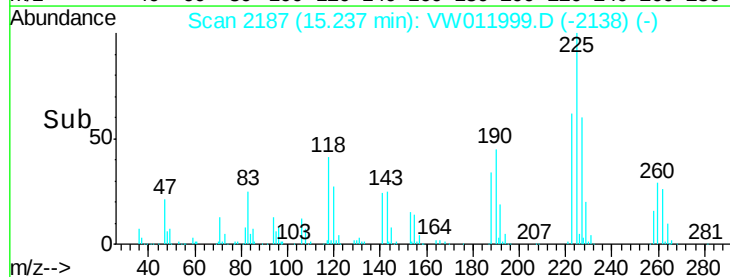
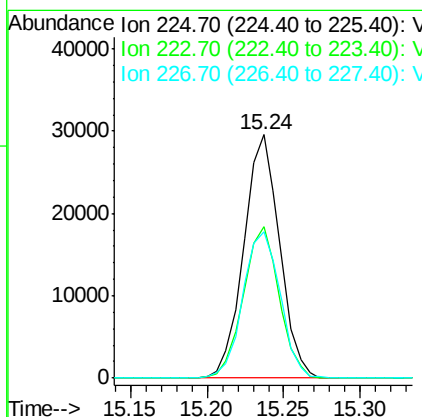
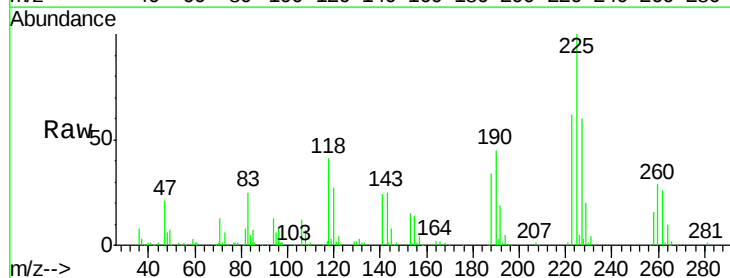
Manual Integrations
 APPROVED

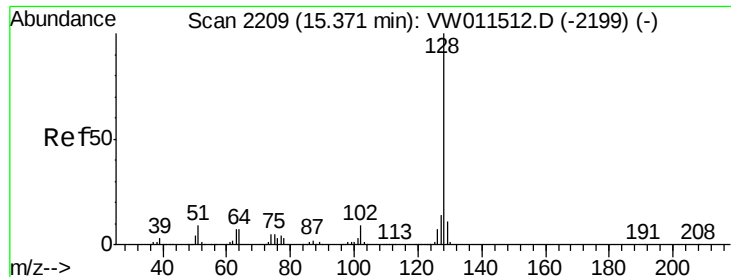
MMDadoda
 8/20/2019 9:55:38 AM



#94
 Hexachlorobutadiene
 Concen: 21.636 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011999.D
 Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48077		
223	62.3		30.8	92.3
227	62.7		31.6	94.7





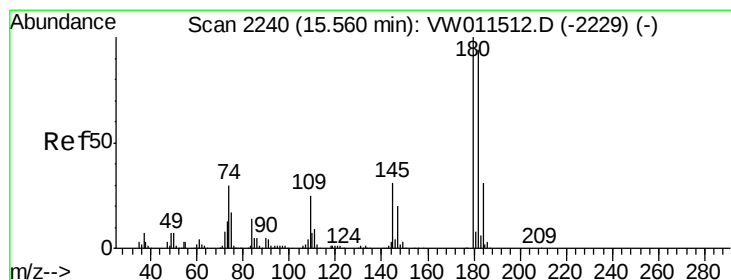
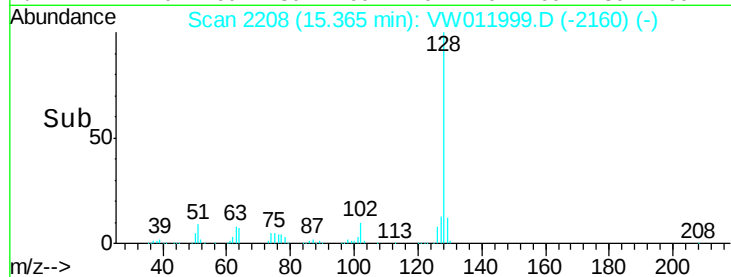
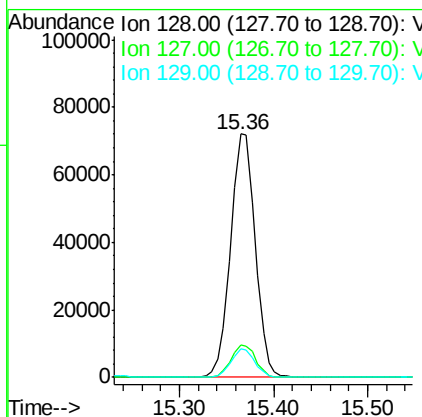
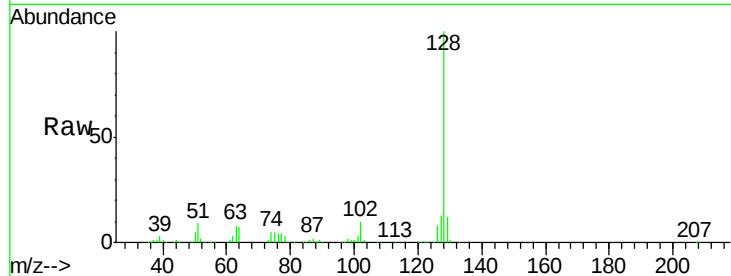
#95
Naphthalene
Concen: 20.146 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	131633		
127	13.2		10.6	16.0
129	11.0		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/20/2019 9:55:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.976 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW011999.D
Acq: 19 Aug 2019 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65516		
182	96.4		47.4	142.2
145	32.4		15.9	47.7

