

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012177.D
 Acq On : 26 Aug 2019 18:14
 Operator : SY/VA
 Sample : VW0826SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:30 AM

Quant Time: Aug 27 05:42:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405632	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	350013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170806	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	156541	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
35) Dibromofluoromethane	7.88	113	126488	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
50) Toluene-d8	10.32	98	518711	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	
62) 4-Bromofluorobenzene	12.62	95	184214	53.23	ug/l	0.00
Spiked Amount			Recovery	=	106.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	28876	18.485	ug/l	92
3) Chloromethane	2.20	50	44616	18.435	ug/l	100
4) Vinyl Chloride	2.35	62	53500	18.060	ug/l	100
5) Bromomethane	2.78	94	29043	19.359	ug/l	99
6) Chloroethane	2.91	64	29890	17.887	ug/l	99
7) Trichlorofluoromethane	3.25	101	28092	18.886	ug/l	93
8) Diethyl Ether	3.67	74	28048	19.866	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50336	19.909	ug/l	99
10) Methyl Iodide	4.26	142	63544	18.575	ug/l	99
11) Tert butyl alcohol	5.12	59	3723	20.513	ug/l #	71
12) 1,1-Dichloroethene	4.03	96	49203	19.335	ug/l	99
13) Acrolein	3.90	56	16293	95.366	ug/l	96
14) Allyl chloride	4.66	41	104436	19.196	ug/l	99
15) Acrylonitrile	5.38	53	66187	94.579	ug/l	98
16) Acetone	4.17	43	64323	83.435	ug/l	99
17) Carbon Disulfide	4.37	76	133025	17.297	ug/l	98
18) Methyl Acetate	4.68	43	37138	19.449	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	82950	20.156	ug/l	98
20) Methylene Chloride	4.92	84	58544	20.087	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	52593	19.273	ug/l	98
22) Diisopropyl ether	6.31	45	206635	20.491	ug/l	93
23) Vinyl Acetate	6.26	43	608724	98.086	ug/l	98
24) 1,1-Dichloroethane	6.21	63	110391	20.105	ug/l	99
25) 2-Butanone	7.18	43	96404	92.022	ug/l	99
26) 2,2-Dichloropropane	7.16	77	64939	20.895	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	59109	20.273	ug/l	99
28) Bromochloromethane	7.51	49	50334	21.033	ug/l	99
29) Tetrahydrofuran	7.54	42	58435	92.972	ug/l	99
30) Chloroform	7.67	83	102602	20.425	ug/l	97
31) Cyclohexane	7.95	56	102537	18.875	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	80307	20.208	ug/l	99
36) 1,1-Dichloropropene	8.08	75	82300	19.634	ug/l	99
37) Ethyl Acetate	7.26	43	44350	19.308	ug/l	99
38) Carbon Tetrachloride	8.07	117	72233	19.910	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012177.D
 Acq On : 26 Aug 2019 18:14
 Operator : SY/VA
 Sample : VW0826SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0826SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:30 AM

Quant Time: Aug 27 05:42:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	89822	19.074	ug/l	98
40) Benzene	8.32	78	227948	19.915	ug/l	99
41) Methacrylonitrile	7.48	41	26057	19.301	ug/l	96
42) 1,2-Dichloroethane	8.40	62	72046	20.084	ug/l	100
43) Isopropyl Acetate	8.43	43	81683	19.198	ug/l	97
44) Trichloroethene	9.09	130	54752	19.678	ug/l	96
45) 1,2-Dichloropropane	9.37	63	62022	20.134	ug/l	98
46) Dibromomethane	9.46	93	27382	19.979	ug/l	98
47) Bromodichloromethane	9.64	83	73920	20.265	ug/l	98
48) Methyl methacrylate	9.44	41	37974	18.752	ug/l	94
49) 1,4-Dioxane	9.51	88	7376	351.542	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	210789	97.402	ug/l	98
52) Toluene	10.38	92	138071	20.080	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73137	19.684	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	89263	19.896	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39878	20.564	ug/l	97
56) Ethyl methacrylate	10.65	69	55833	19.783	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74023	20.200	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	144805	99.971	ug/l	99
59) 2-Hexanone	10.97	43	142830	93.277	ug/l	100
60) Dibromochloromethane	11.13	129	42773	19.803	ug/l	96
61) 1,2-Dibromoethane	11.23	107	36931	20.442	ug/l	98
64) Tetrachloroethene	10.86	164	45982	20.263	ug/l	98
65) Chlorobenzene	11.66	112	139677	20.266	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	49324	20.514	ug/l	99
67) Ethyl Benzene	11.73	91	269810	20.323	ug/l	99
68) m/p-Xylenes	11.84	106	196437	41.076	ug/l	98
69) o-Xylene	12.16	106	90868	20.530	ug/l	100
70) Styrene	12.18	104	158872	20.737	ug/l	100
71) Bromoform	12.35	173	23766	19.839	ug/l #	98
73) Isopropylbenzene	12.46	105	256663	20.054	ug/l	99
74) N-amyl acetate	12.27	43	76541	19.794	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	47012	20.036	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31961m	19.213	ug/l	
77) Bromobenzene	12.75	156	55680	20.109	ug/l	99
78) n-propylbenzene	12.80	91	315621	20.200	ug/l	99
79) 2-Chlorotoluene	12.89	91	178850	20.162	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	217391	20.327	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14334	18.892	ug/l	94
82) 4-Chlorotoluene	12.99	91	186121	20.038	ug/l	100
83) tert-Butylbenzene	13.21	119	183924	20.302	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	216771	20.178	ug/l	100
85) sec-Butylbenzene	13.38	105	261440	20.143	ug/l	99
86) p-Isopropyltoluene	13.50	119	236454	20.400	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	110657	20.432	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	108532	20.183	ug/l	99
89) n-Butylbenzene	13.82	91	236882	20.551	ug/l	99
90) Hexachloroethane	14.09	117	41647	20.480	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	96956	20.407	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7267	18.371	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW082619\
Data File : VW012177.D
Acq On : 26 Aug 2019 18:14
Operator : SY/VA
Sample : VW0826SBSD02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

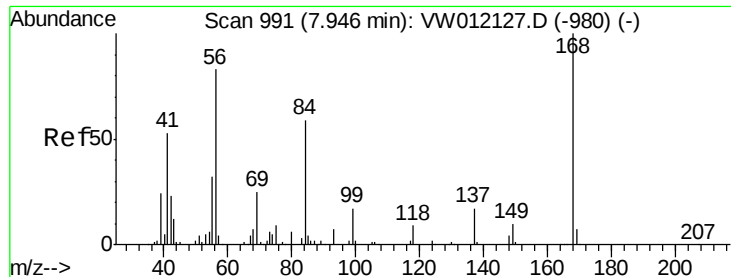
Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM

Quant Time: Aug 27 05:42:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66812	20.349	ug/l	99
94) Hexachlorobutadiene	15.24	225	44697	20.617	ug/l	98
95) Naphthalene	15.36	128	113808	20.459	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	59022	20.604	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

Tot Ion:168 Resp: 253706

Ion Ratio Lower Upper

168 100

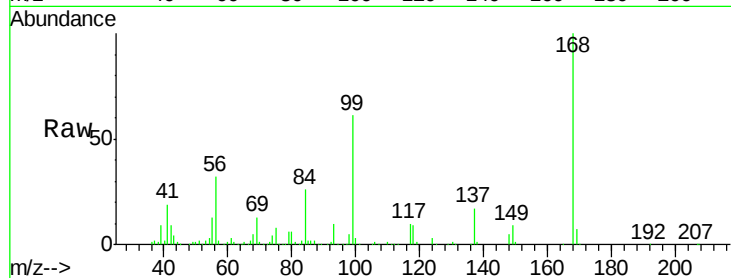
99 60.8 49.2 73.8

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

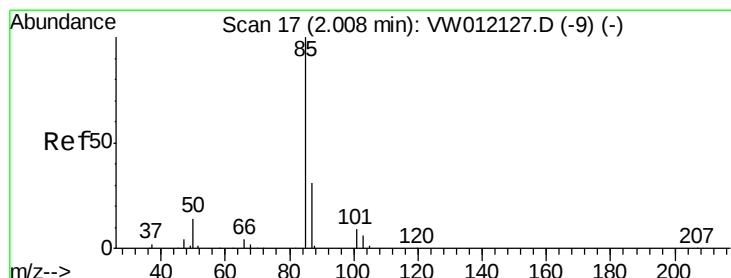
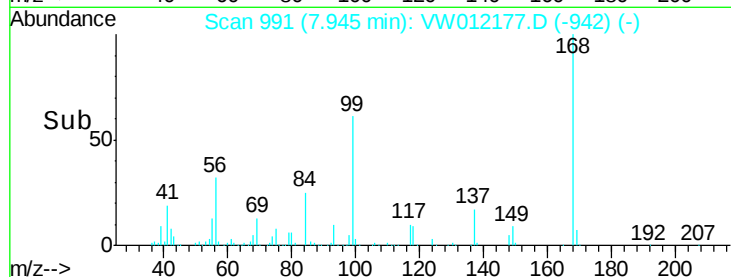
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 18.485 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW012177.D

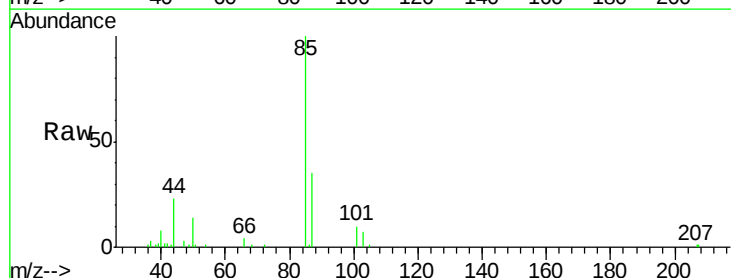
Acq: 26 Aug 2019 18:14

Tgt Ion: 85 Resp: 28876

Ion Ratio Lower Upper

85 100

87 35.4 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

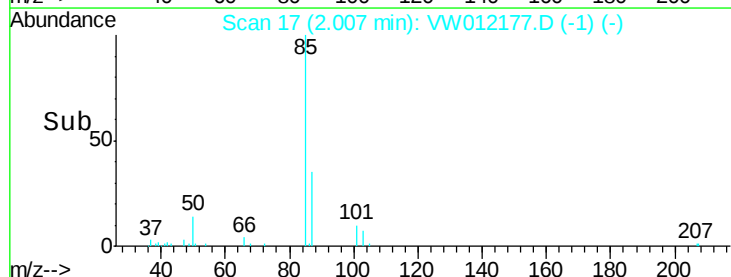
6000

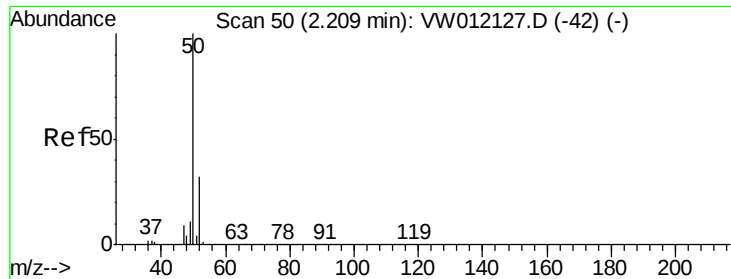
4000

2000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 18.435 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 50 Resp: 44616

Ion Ratio Lower Upper

50 100

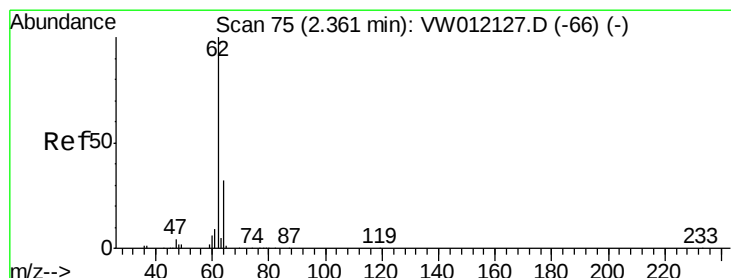
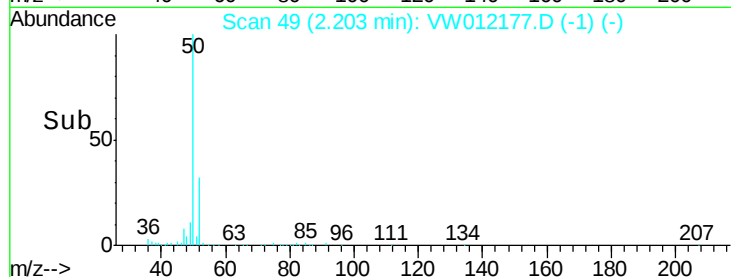
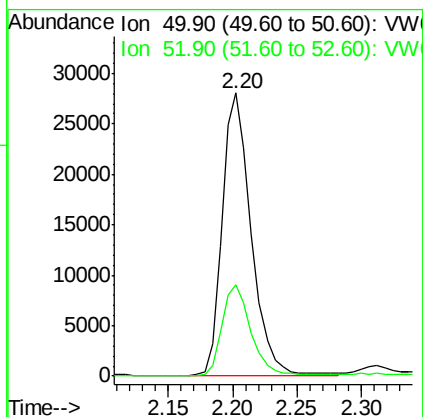
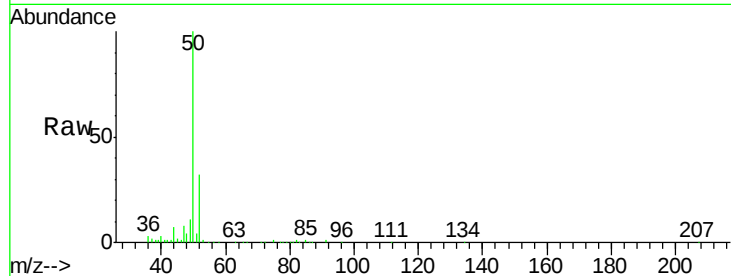
52 32.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#4

Vinyl Chloride

Concen: 18.060 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW012177.D

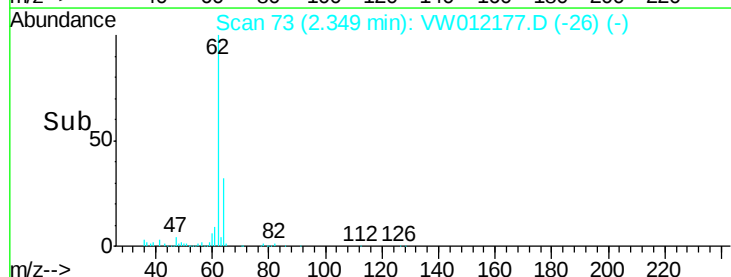
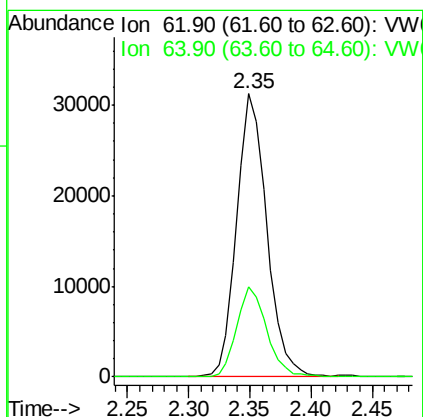
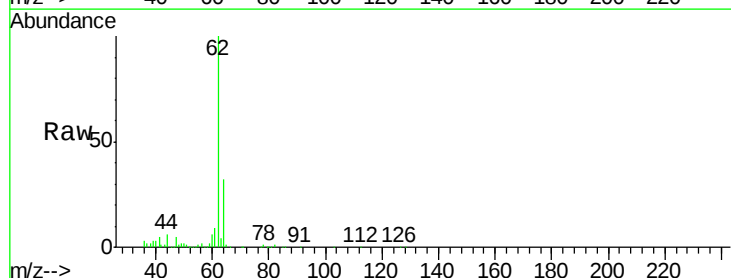
Acq: 26 Aug 2019 18:14

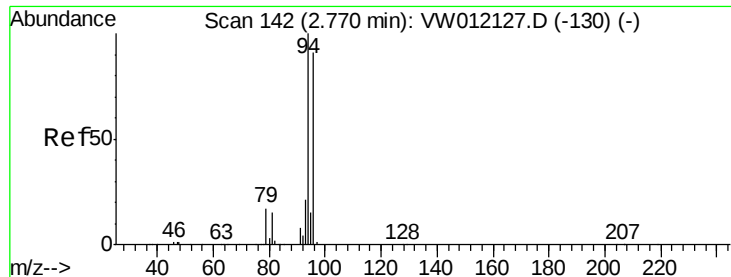
Tgt Ion: 62 Resp: 53500

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 19.359 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBSD02

Tot Ion: 94 Resp: 29043

Ion Ratio Lower Upper

94 100

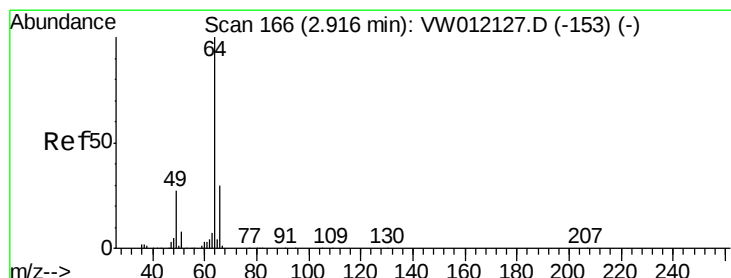
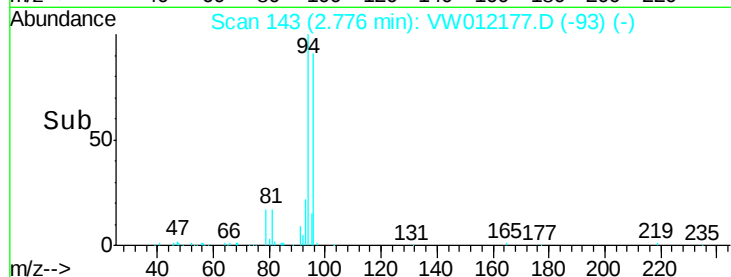
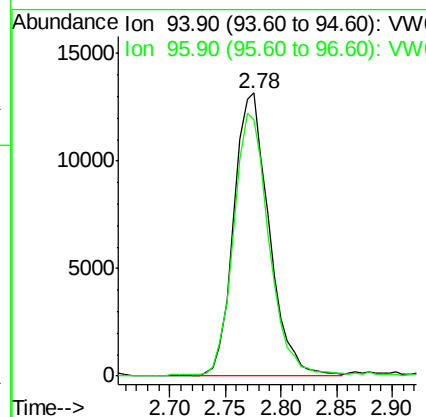
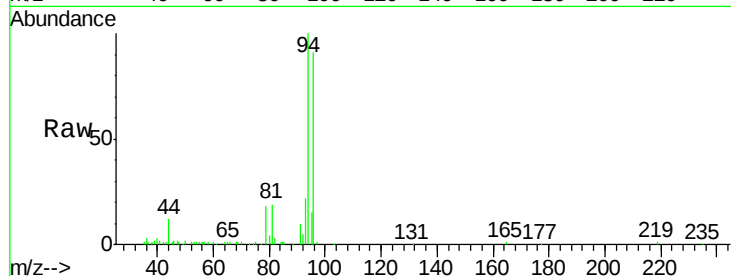
96 90.3 72.9 109.3

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#6

Chloroethane

Concen: 17.887 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012177.D

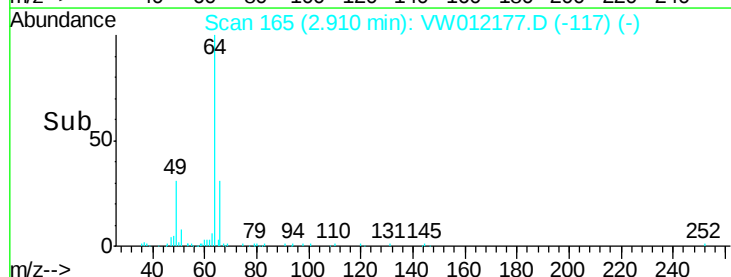
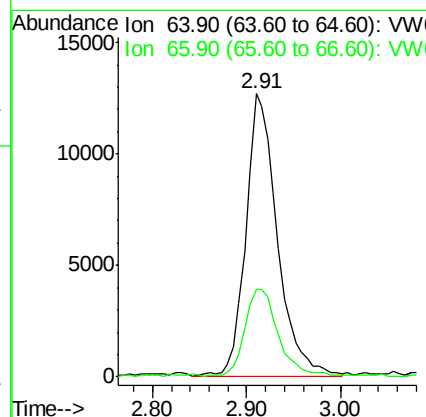
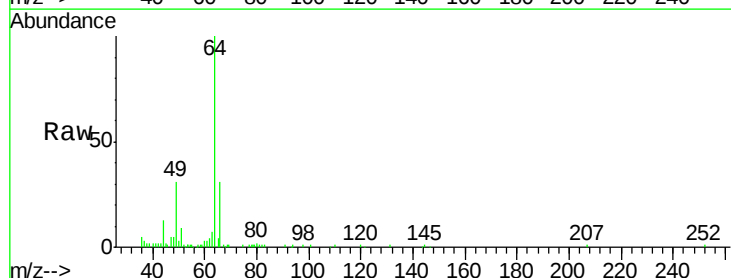
Acq: 26 Aug 2019 18:14

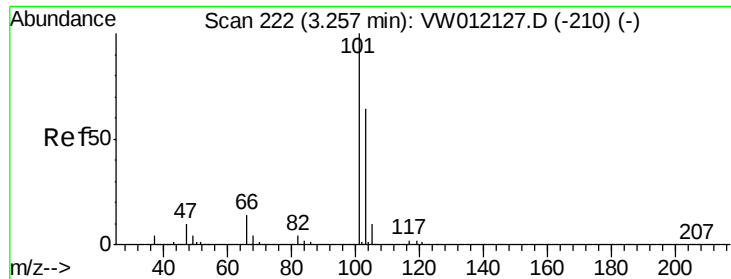
Tgt Ion: 64 Resp: 29890

Ion Ratio Lower Upper

64 100

66 30.3 23.8 35.8





#7

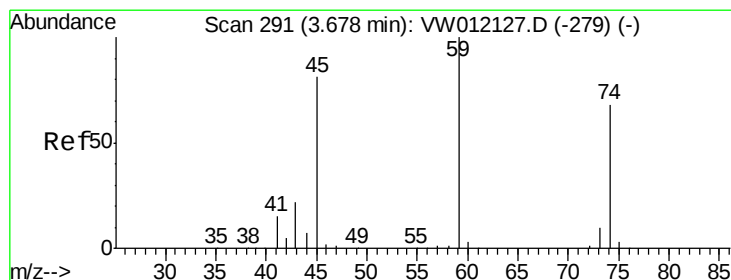
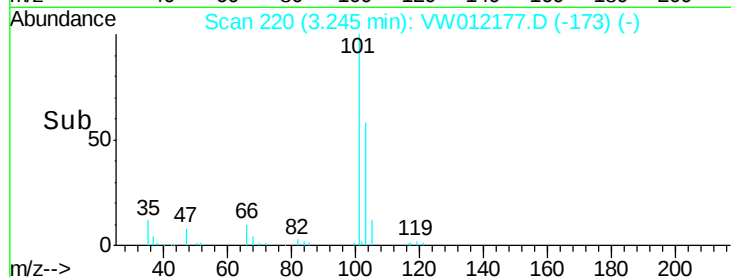
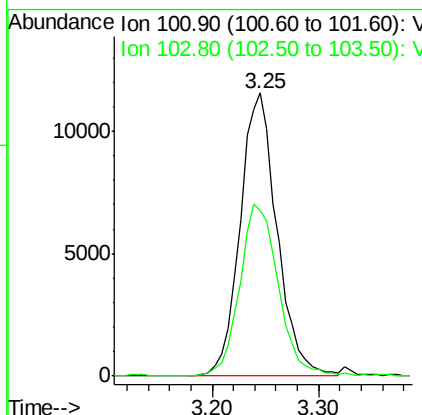
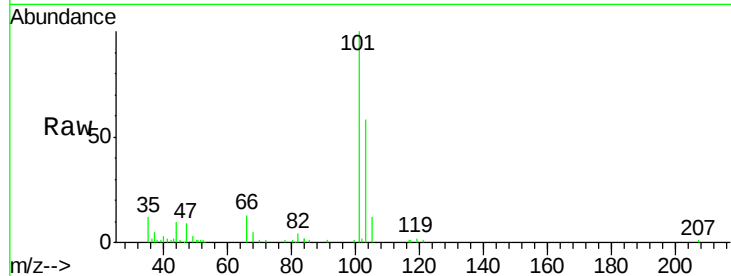
Trichlorofluoromethane
 Concen: 18.886 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.4	51.2	76.8

Manual Integrations
 APPROVED

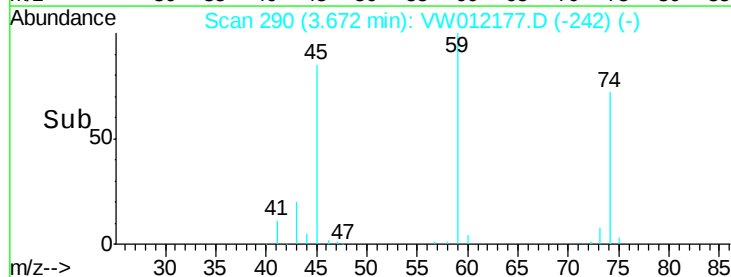
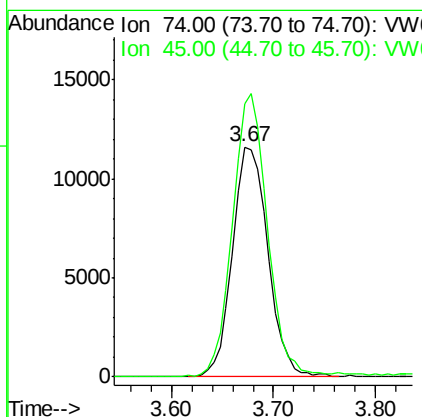
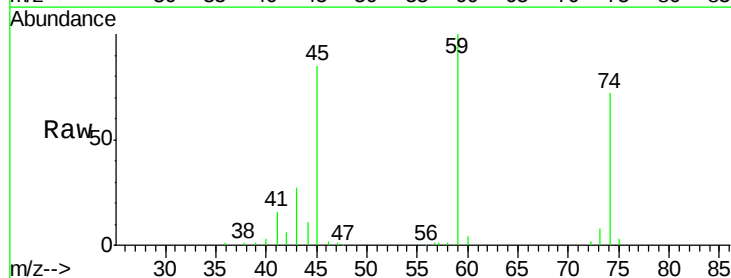
MMDadoda
 8/27/2019 11:04:30 AM

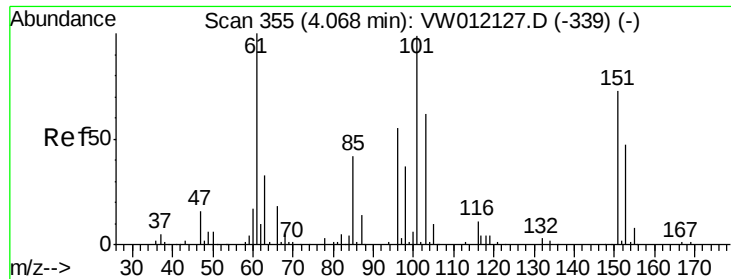


#8

Diethyl Ether
 Concen: 19.866 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.8	59.2	177.6





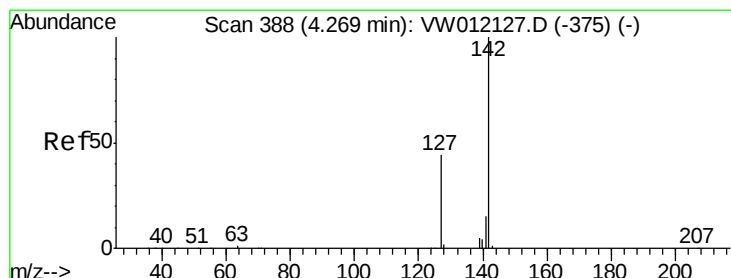
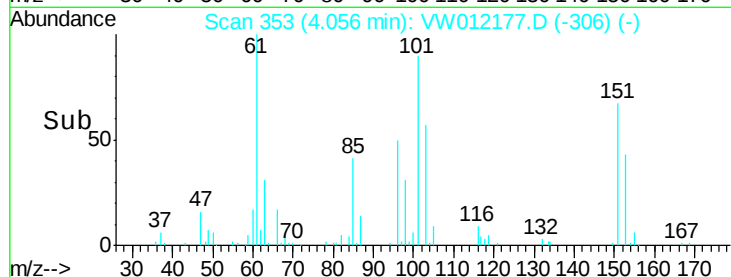
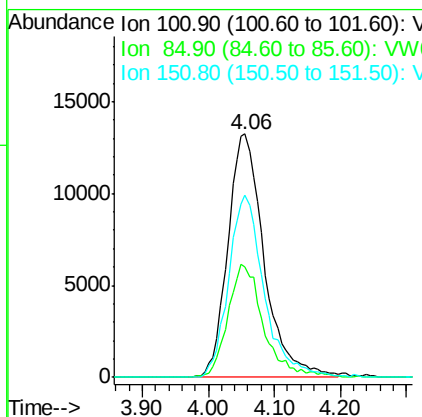
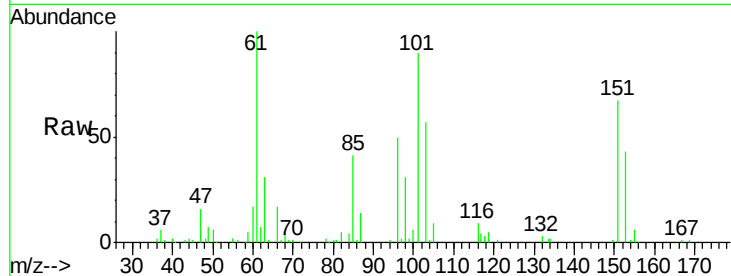
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.909 ug/l
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.8	53.6
151	73.5	58.6	87.8

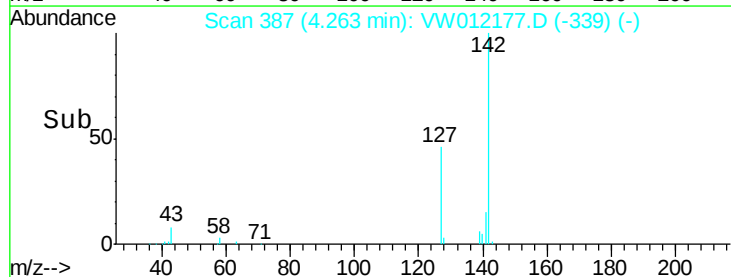
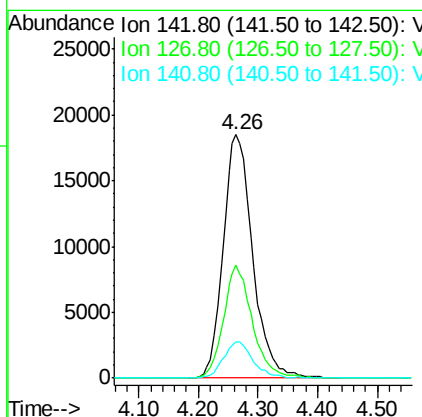
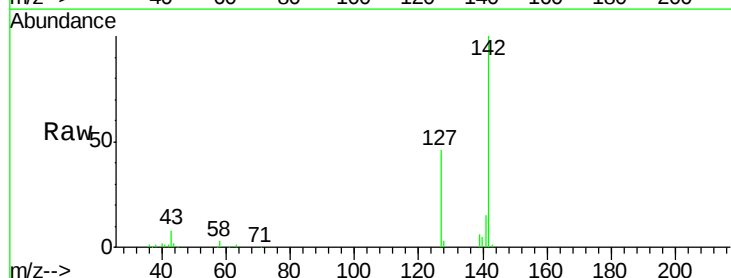
Manual Integrations
 APPROVED

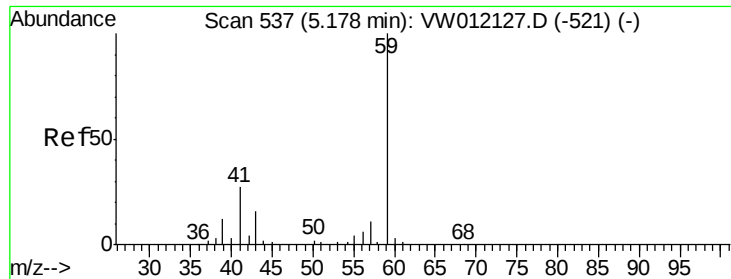
MMDadoda
 8/27/2019 11:04:30 AM



#10
 Methyl Iodide
 Concen: 18.575 ug/l
 RT: 4.26 min Scan# 387
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.1	35.5	53.3
141	14.9	11.8	17.8





#11

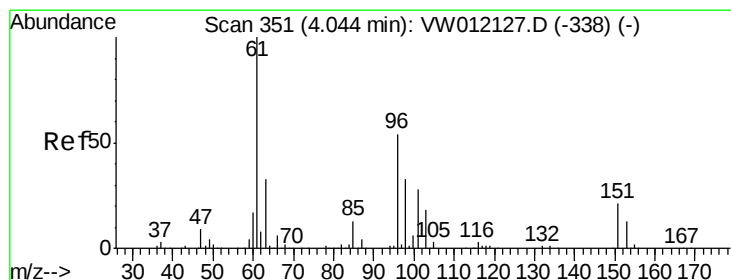
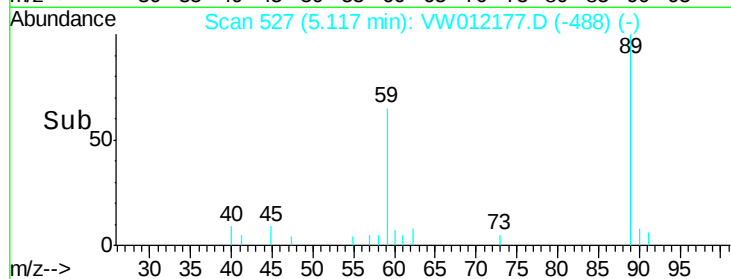
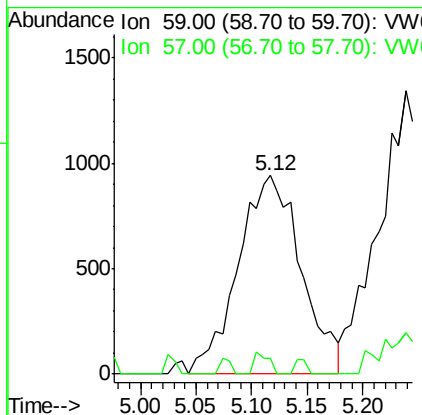
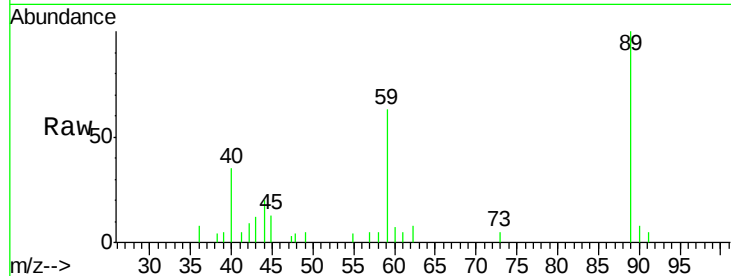
Tert butyl alcohol
Concen: 20.513 ug/l
RT: 5.12 min Scan# 527
Delta R.T. -0.06 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	3723		
57	57	0.0		9.0	13.4#

Manual Integrations
APPROVED

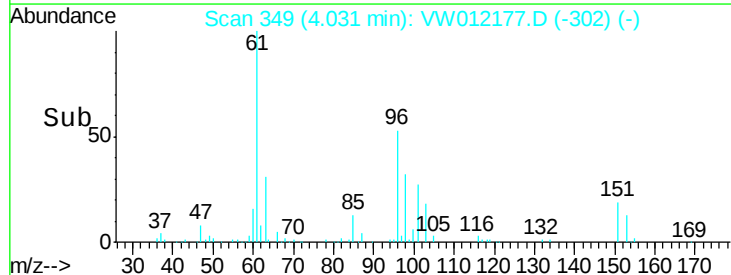
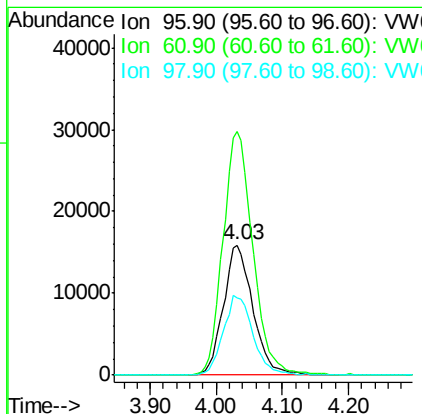
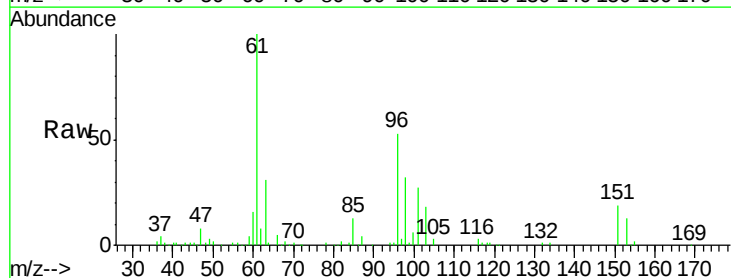
MMDadoda
8/27/2019 11:04:30 AM

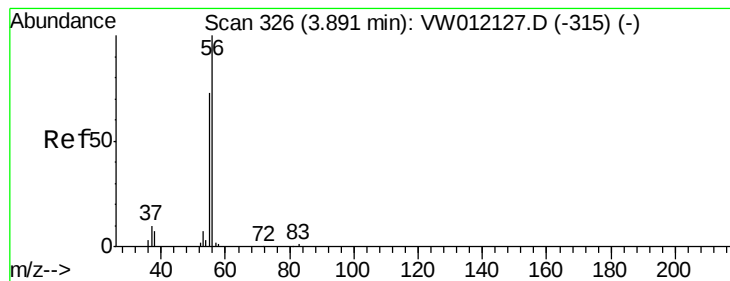


#12

1,1-Dichloroethene
Concen: 19.335 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	49203		
61	61	187.3		149.1	223.7
98	98	59.2		49.4	74.2





#13

Acrolein

Concen: 95.366 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 56 Resp: 16293

Ion Ratio Lower Upper

56 100

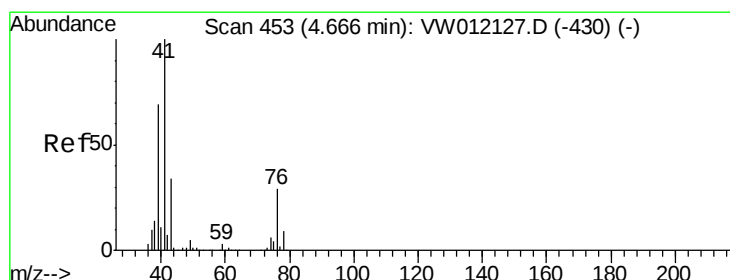
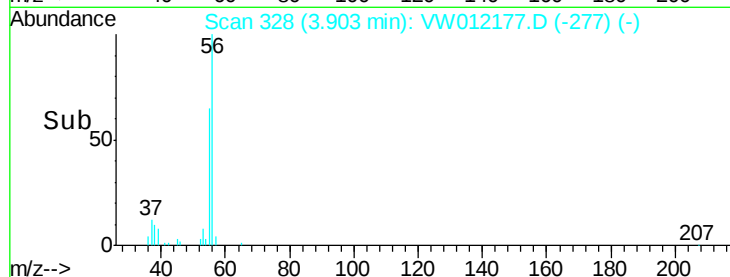
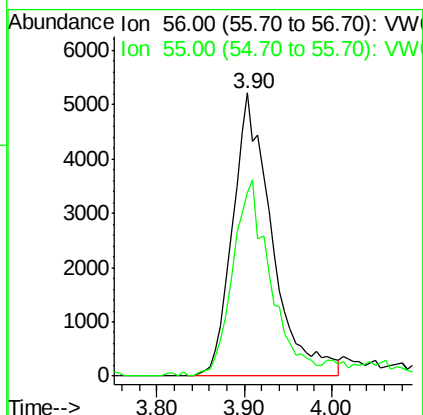
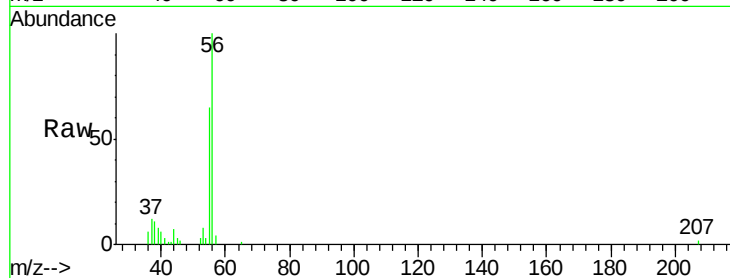
55 66.4 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#14

Allyl chloride

Concen: 19.196 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

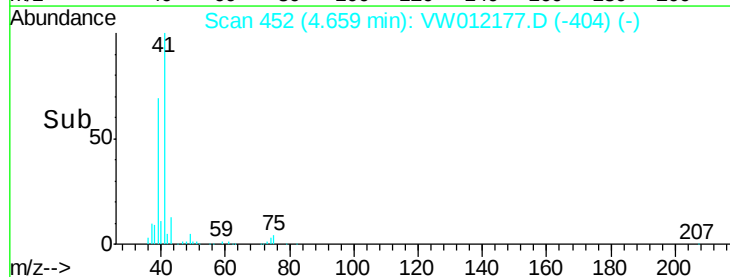
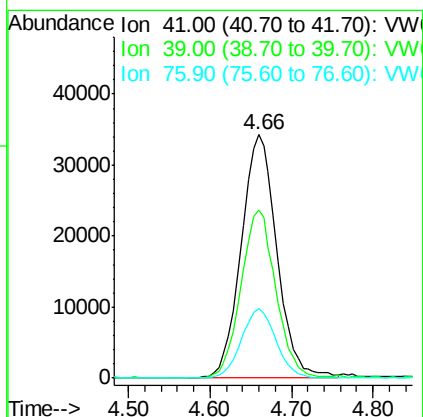
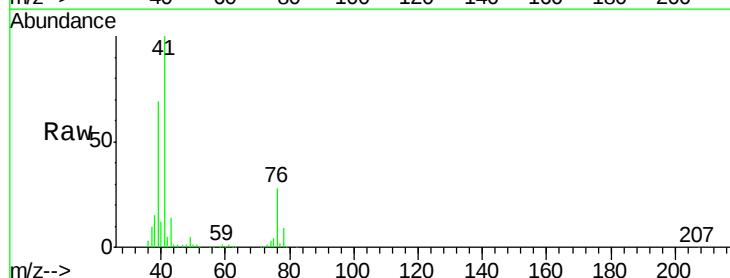
Tgt Ion: 41 Resp: 104436

Ion Ratio Lower Upper

41 100

39 67.4 53.4 80.2

76 27.7 22.1 33.1





#15

Acrylonitrile

Concen: 94.579 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.02 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

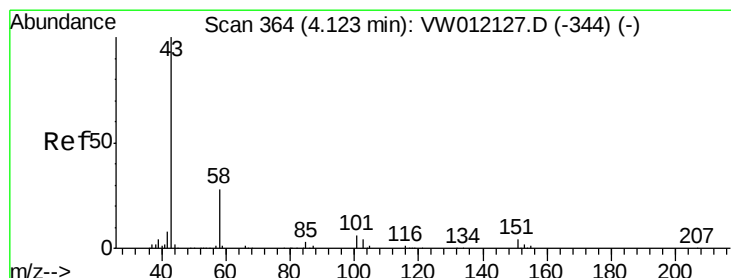
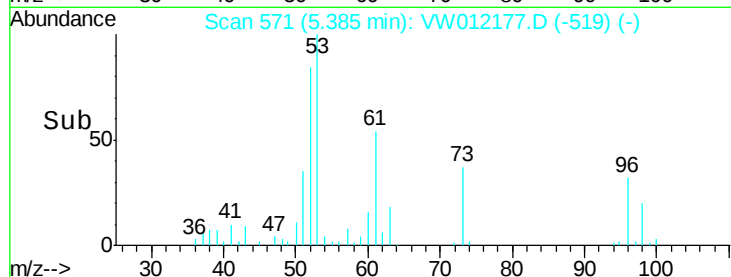
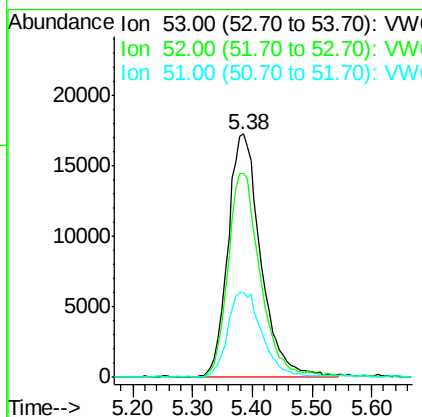
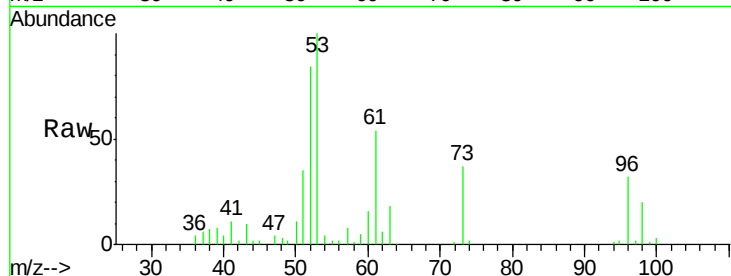
ClientSampleId :

VW0826SBS02

Tot Ion:	53	Resp:	66187
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.7	100.1
51	37.0	30.1	45.1

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#16

Acetone

Concen: 83.435 ug/l

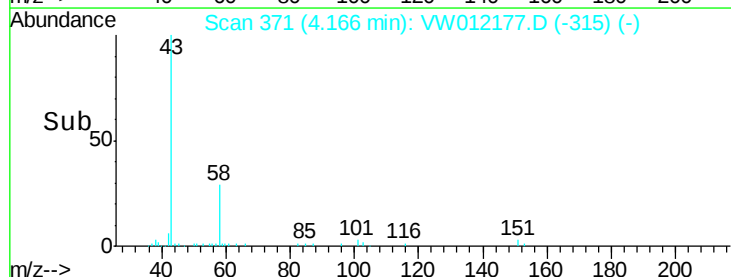
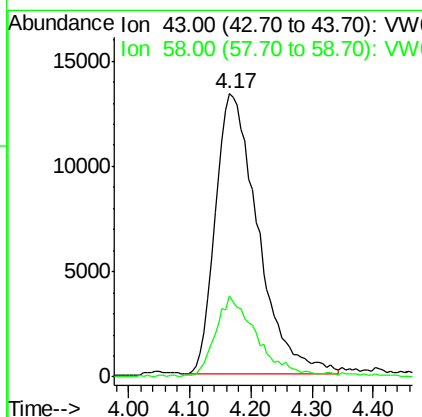
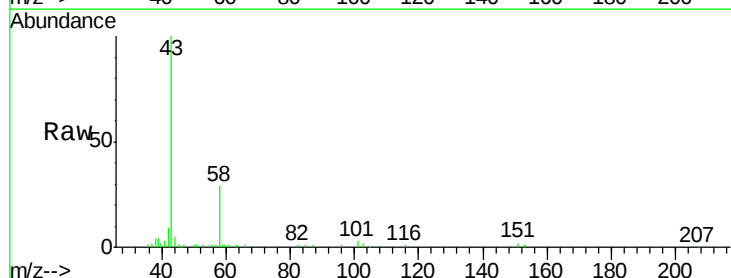
RT: 4.17 min Scan# 371

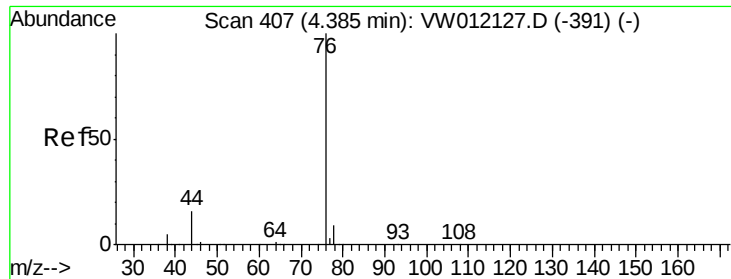
Delta R.T. 0.04 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion:	43	Resp:	64323
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.4	33.6





#17

Carbon Disulfide

Concen: 17.297 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tot Ion: 76 Resp: 133025

Ion Ratio Lower Upper

76 100

78 8.4 7.3 10.9

Instrument :

MSVOA_W

ClientSampleId :

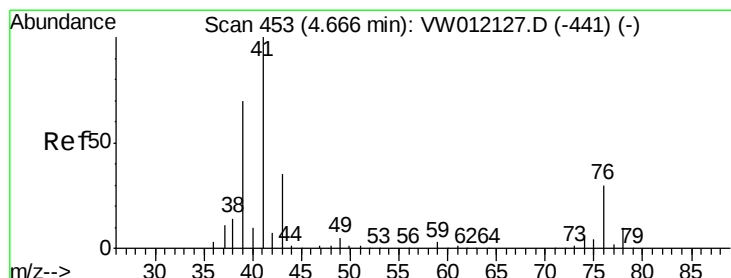
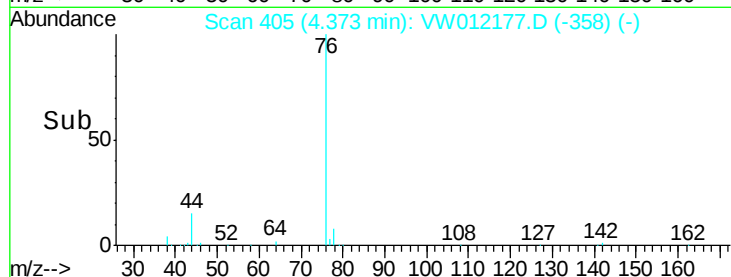
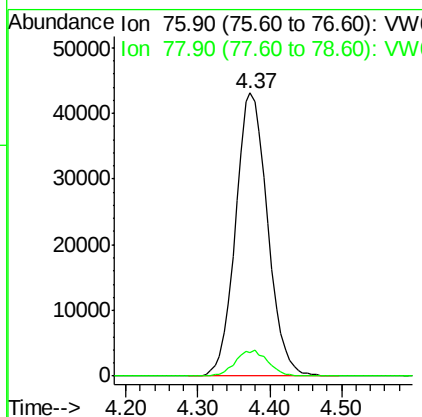
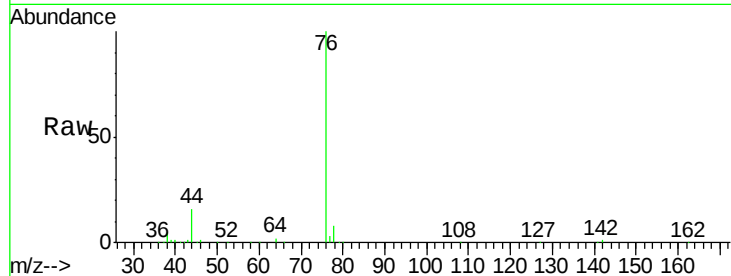
VW0826SBS02

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#18

Methyl Acetate

Concen: 19.449 ug/l

RT: 4.68 min Scan# 456

Delta R.T. 0.02 min

Lab File: VW012177.D

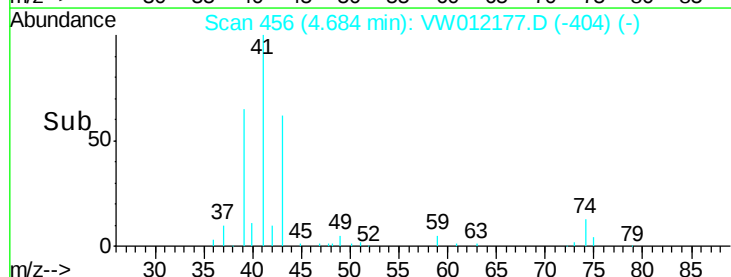
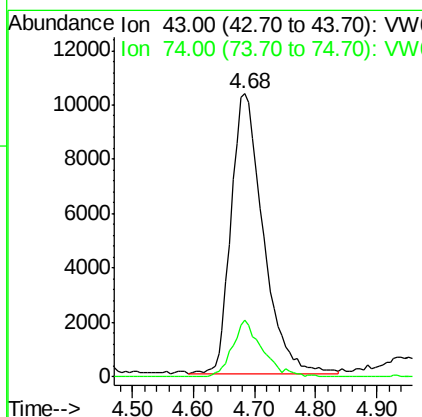
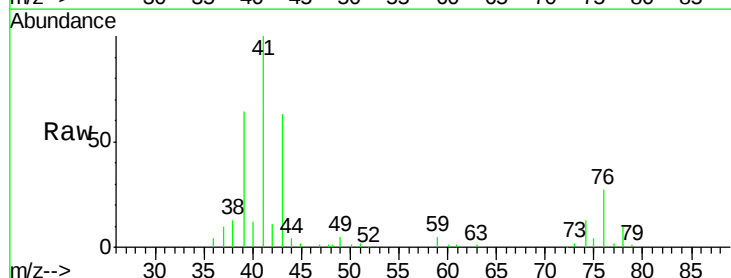
Acq: 26 Aug 2019 18:14

Tgt Ion: 43 Resp: 37138

Ion Ratio Lower Upper

43 100

74 18.8 15.7 23.5





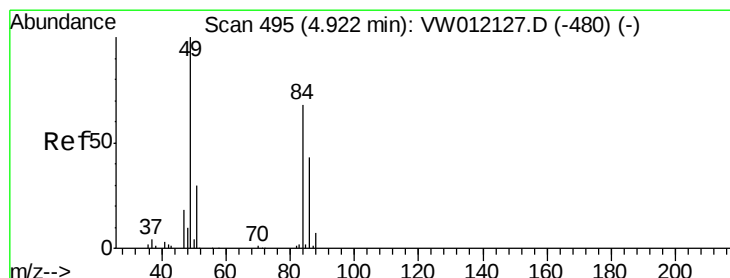
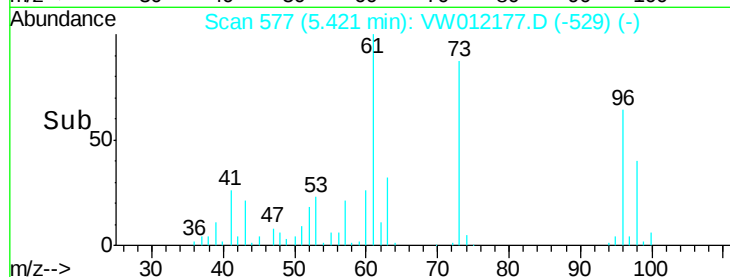
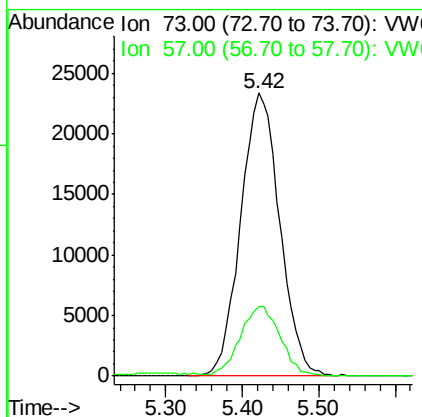
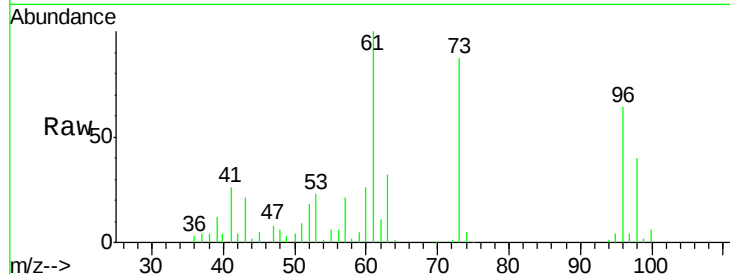
#19
Methyl tert-butyl Ether
Concen: 20.156 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion: 73 Resp: 82950
Ion Ratio Lower Upper
73 100
57 24.8 18.9 28.3

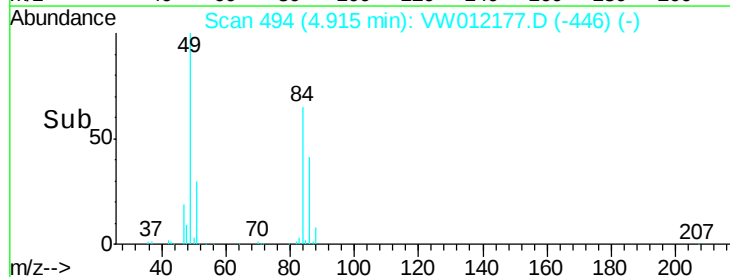
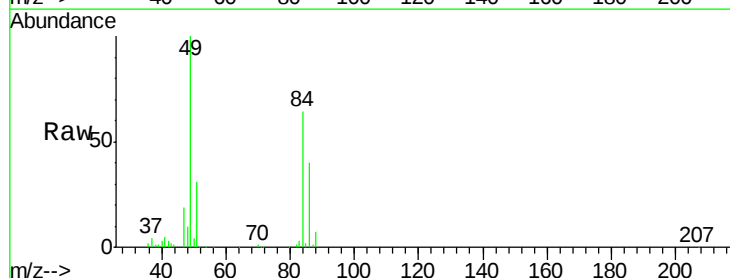
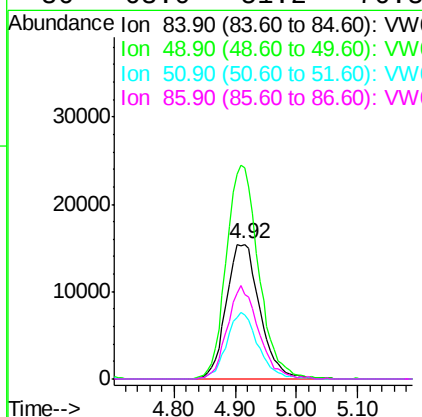
Manual Integrations
APPROVED

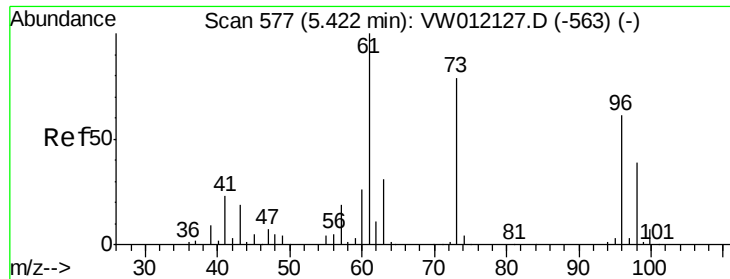
MMDadoda
8/27/2019 11:04:30 AM



#20
Methylene Chloride
Concen: 20.087 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 84 Resp: 58544
Ion Ratio Lower Upper
84 100
49 156.9 117.8 176.8
51 47.9 35.6 53.4
86 63.0 51.2 76.8





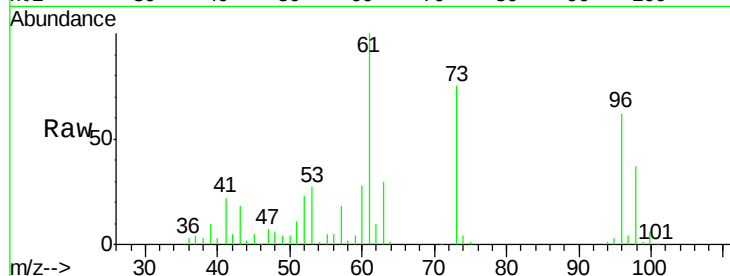
#21
trans-1,2-Dichloroethene
Concen: 19.273 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.5	131.4	197.0
98	59.9	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM

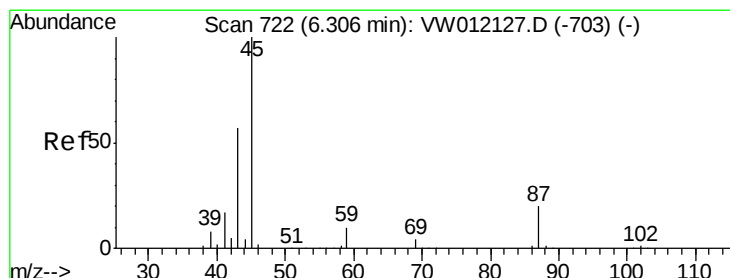
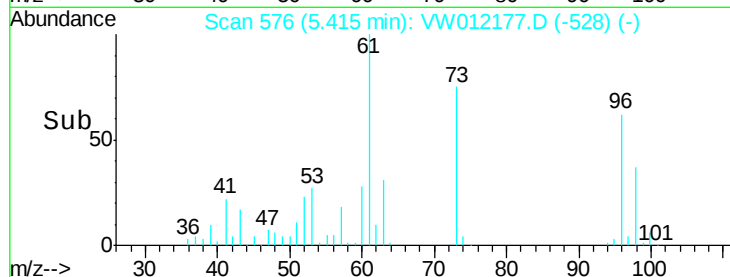
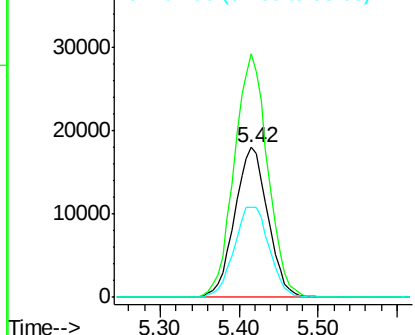


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22
Diisopropyl ether
Concen: 20.491 ug/l
RT: 6.31 min Scan# 722
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	45.5	68.3
87	20.5	16.1	24.1
59	10.3	8.2	12.2

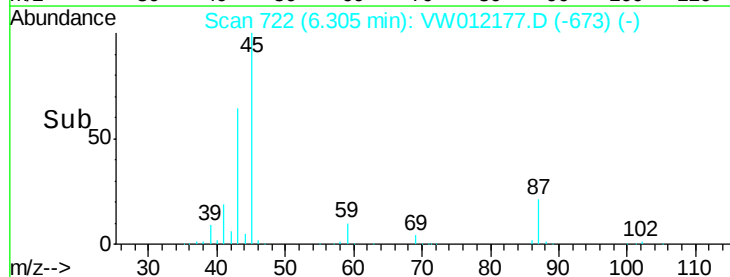
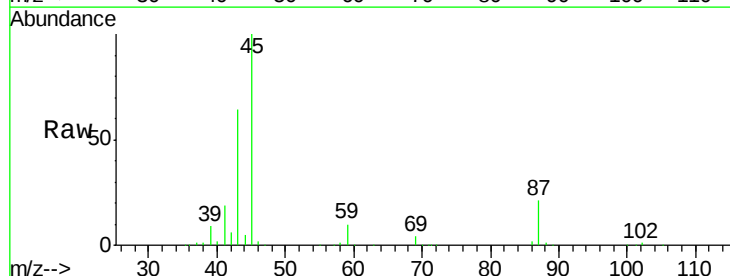
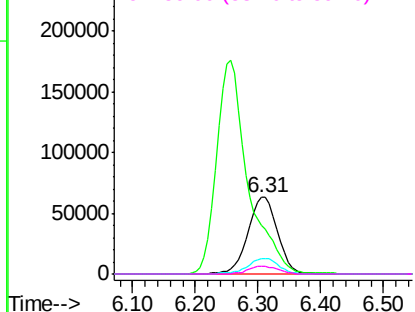
Abundance

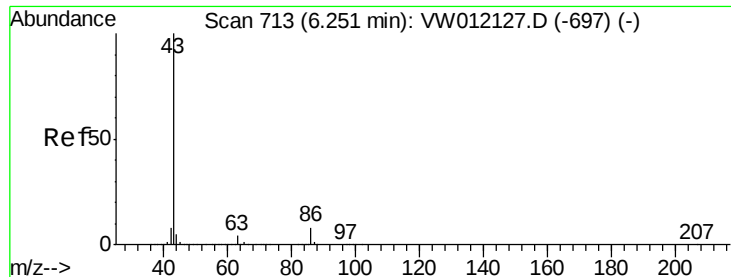
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.086 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 43 Resp: 608724

Ion Ratio Lower Upper

43 100

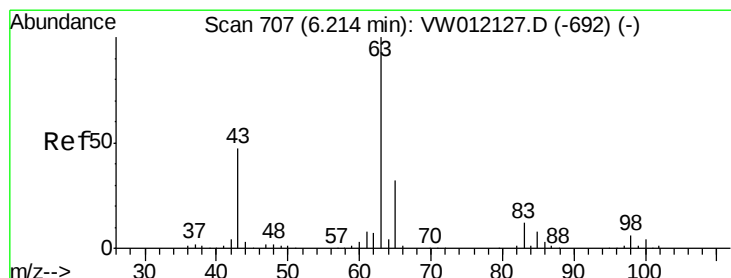
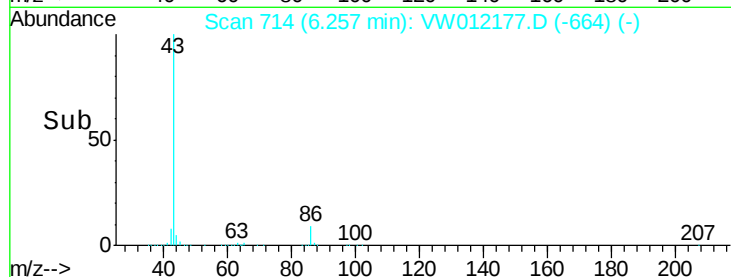
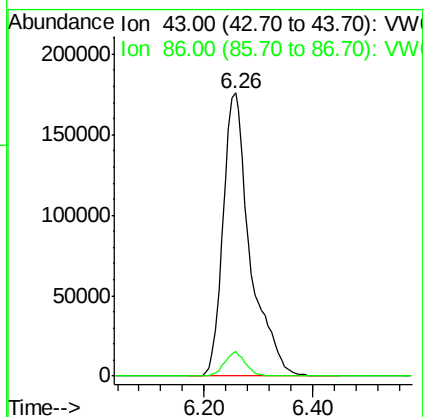
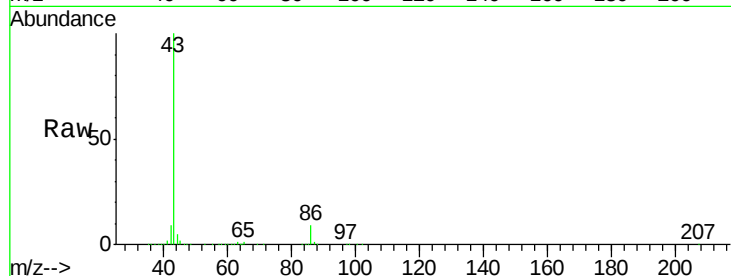
86 8.7 6.5 9.7

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#24

1,1-Dichloroethane

Concen: 20.105 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

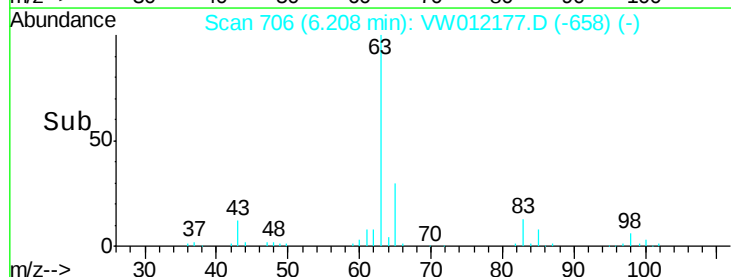
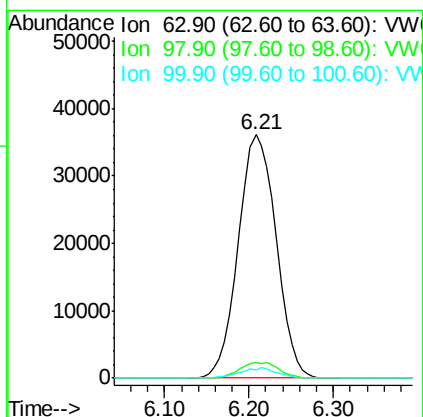
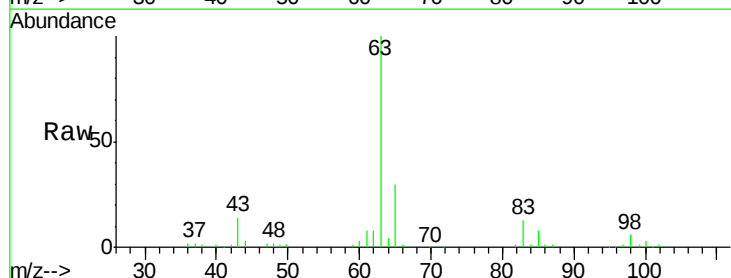
Tgt Ion: 63 Resp: 110391

Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.5 2.0 6.0





#25

2-Butanone

Concen: 92.022 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampled :

VW0826SBS02

Tot Ion: 43 Resp: 96404

Ion Ratio Lower Upper

43 100

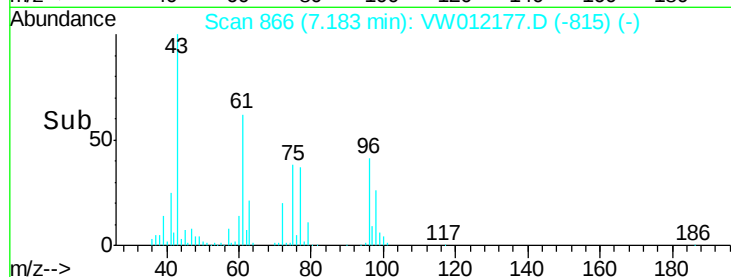
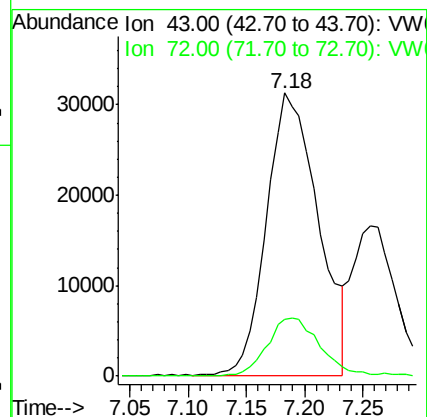
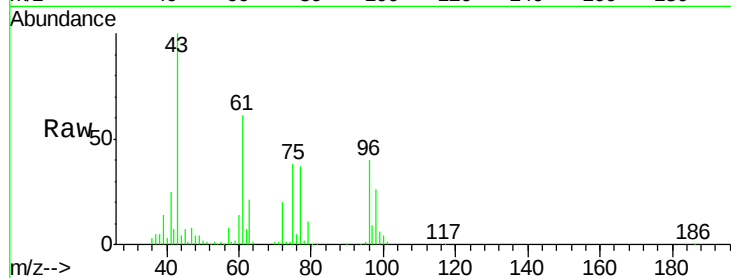
72 20.1 16.6 24.8

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#26

2,2-Dichloropropane

Concen: 20.895 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012177.D

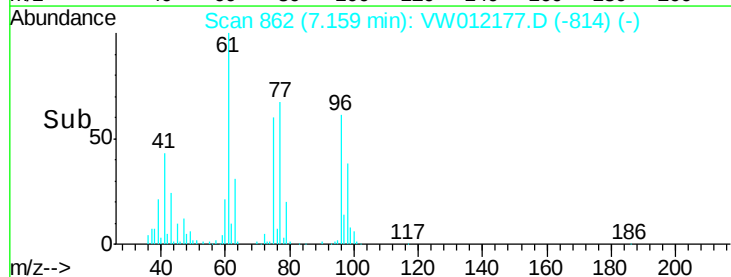
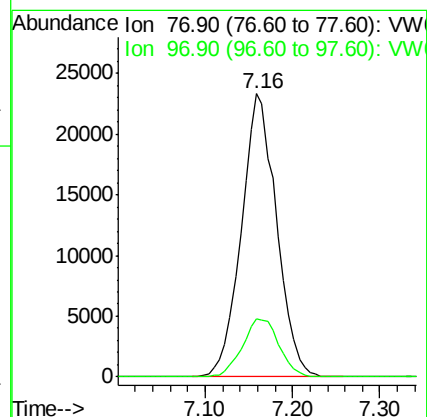
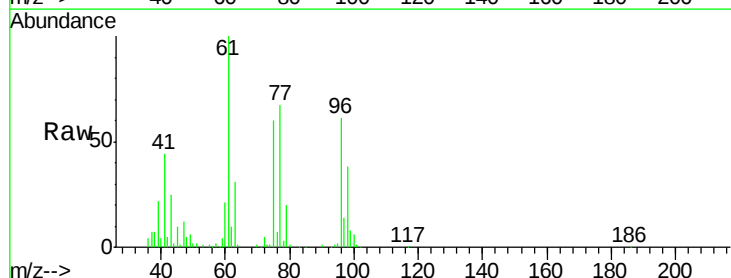
Acq: 26 Aug 2019 18:14

Tgt Ion: 77 Resp: 64939

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.1





#27

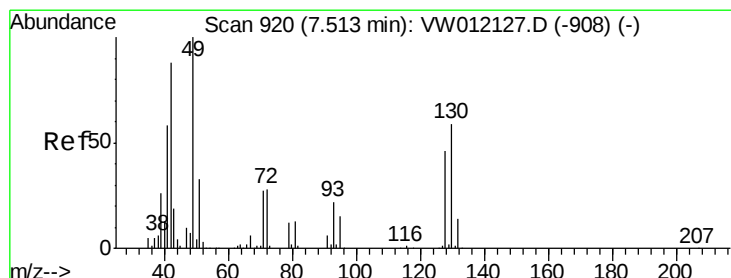
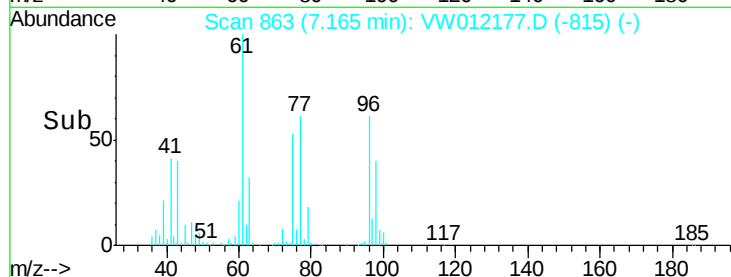
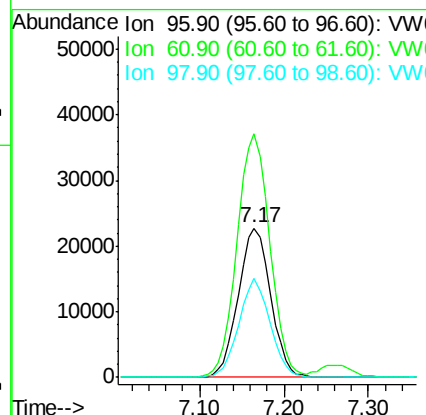
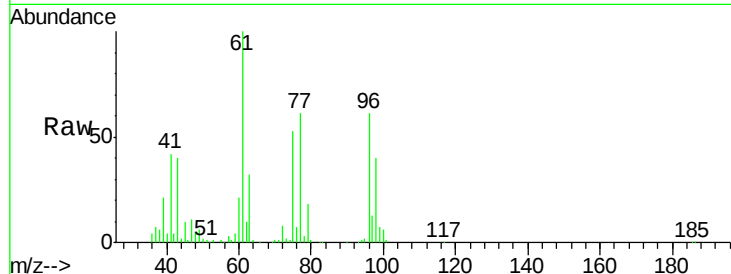
cis-1,2-Dichloroethene
 Concen: 20.273 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampled :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.6	0.0	326.6
98	63.7	0.0	127.4

Manual Integrations
 APPROVED

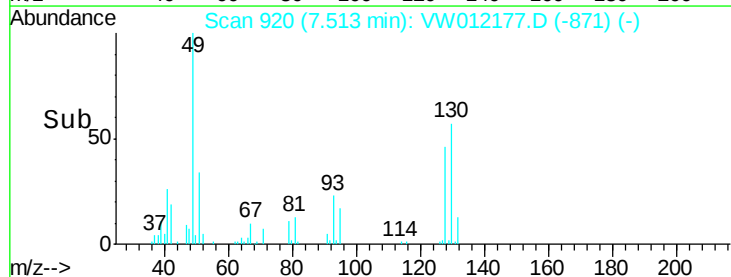
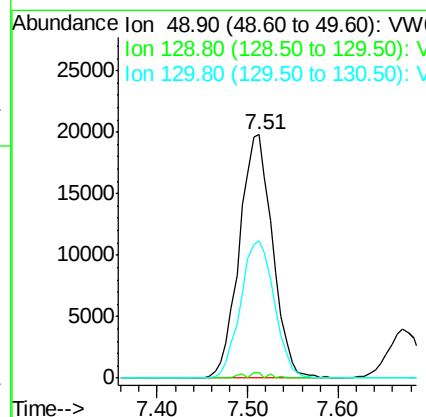
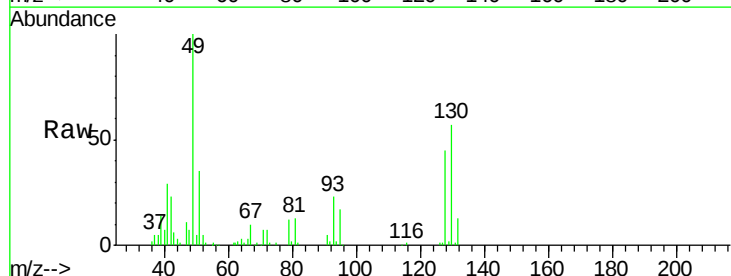
MMDadoda
 8/27/2019 11:04:30 AM

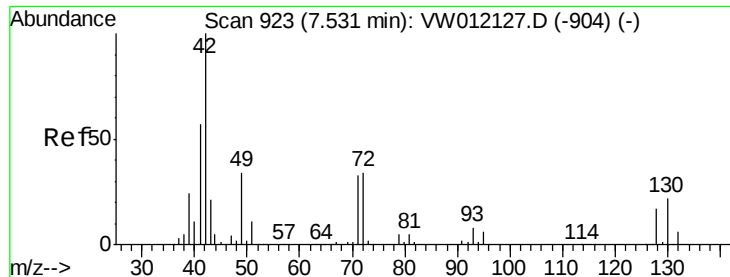


#28

Bromochloromethane
 Concen: 21.033 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.4
130	57.5	45.5	68.3





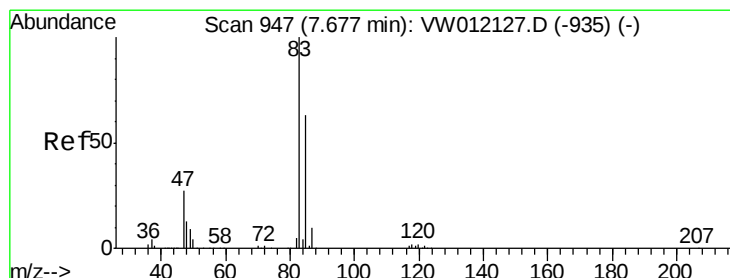
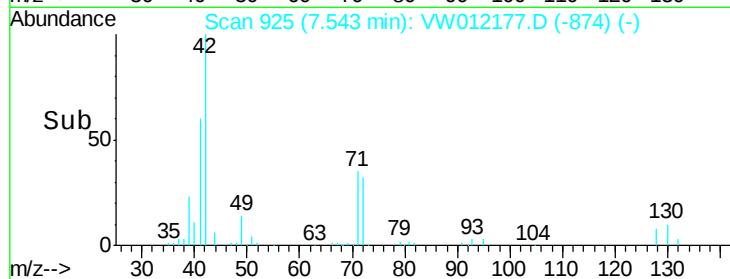
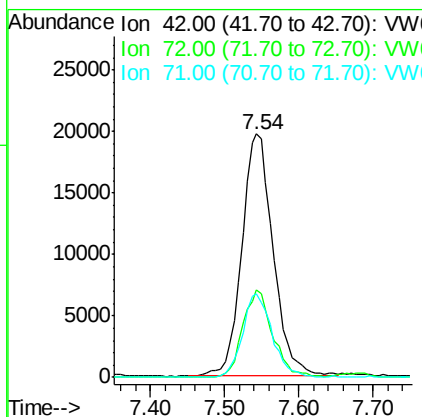
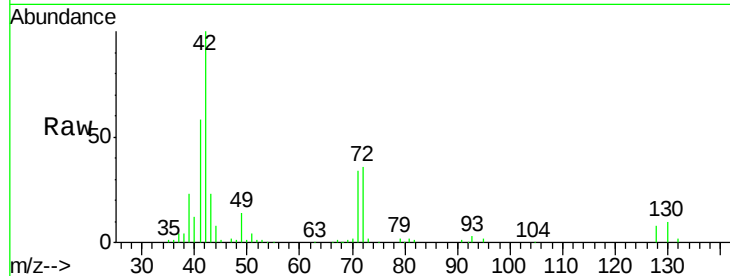
#29
Tetrahydrofuran
Concen: 92.972 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.3	40.9
71	32.5	25.5	38.3

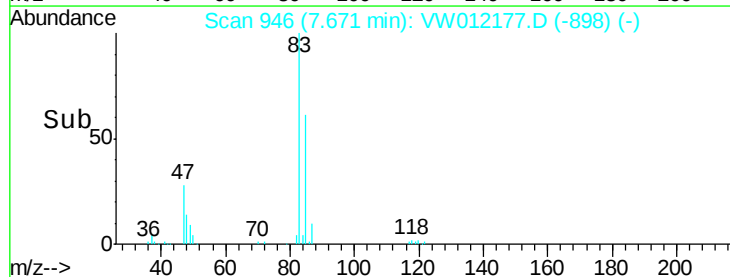
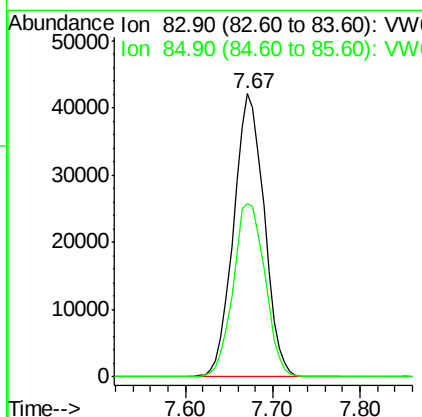
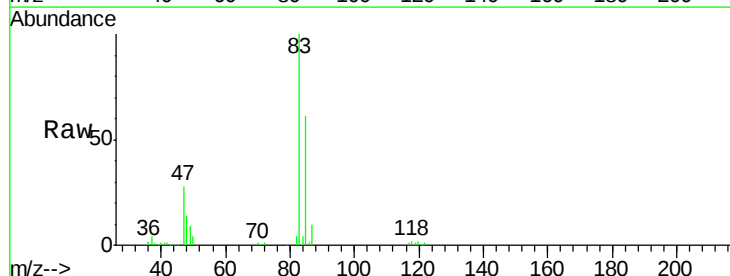
Manual Integrations
APPROVED

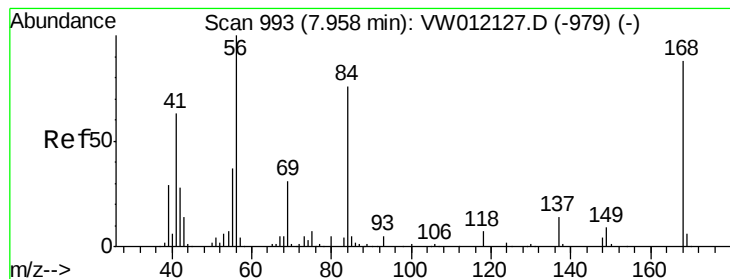
MMDadoda
8/27/2019 11:04:30 AM



#30
Chloroform
Concen: 20.425 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.2	50.6	76.0





#31

Cyclohexane

Concen: 18.875 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleID :

VW0826SBS02

Tot Ion: 56 Resp: 102537

Ion Ratio Lower Upper

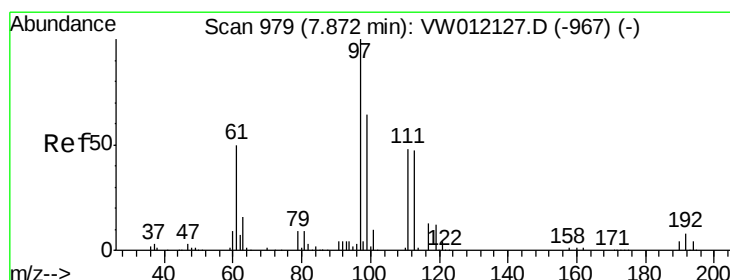
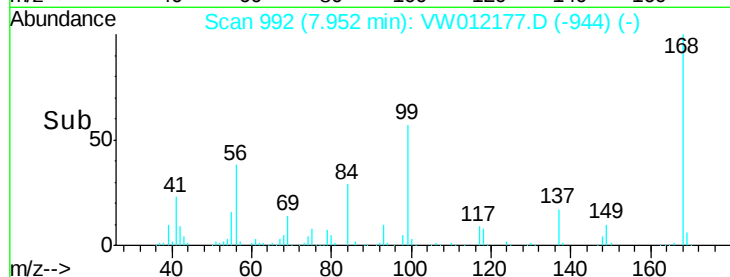
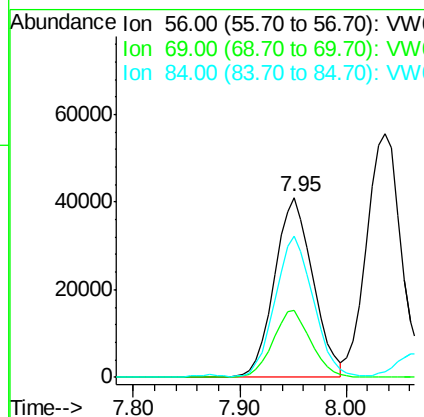
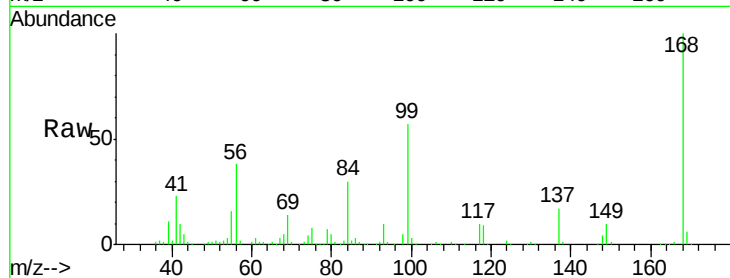
56 100

69 37.4 24.9 37.3#

84 77.6 60.6 90.8

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#32

1,1,1-Trichloroethane

Concen: 20.208 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

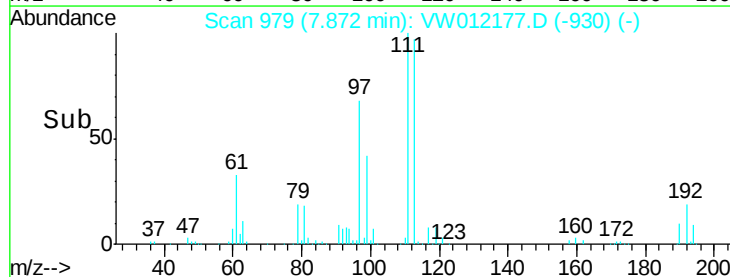
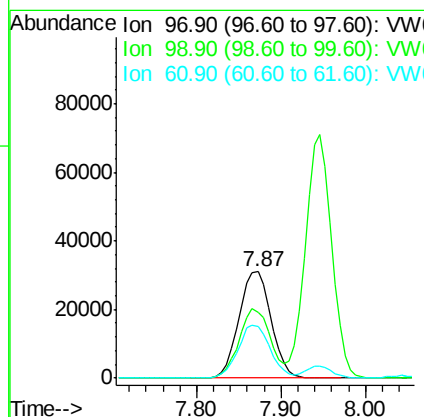
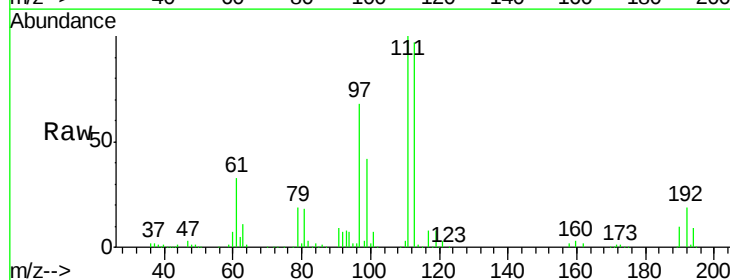
Tgt Ion: 97 Resp: 80307

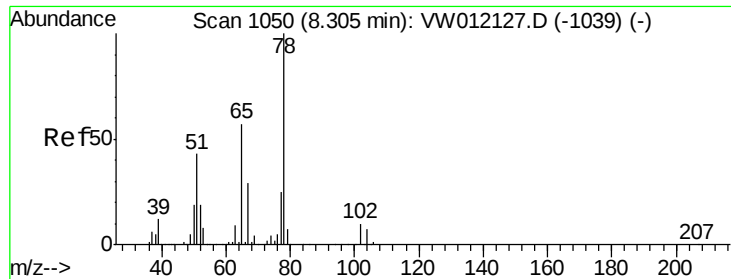
Ion Ratio Lower Upper

97 100

99 63.1 51.4 77.0

61 49.8 39.5 59.3





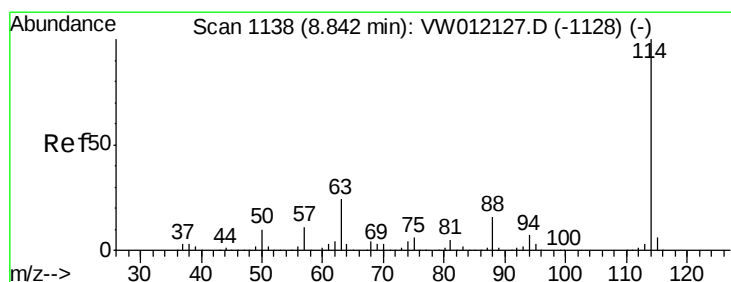
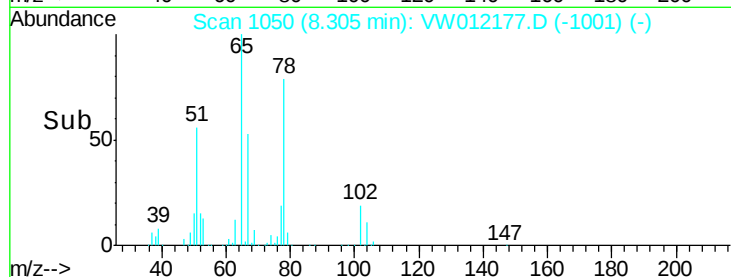
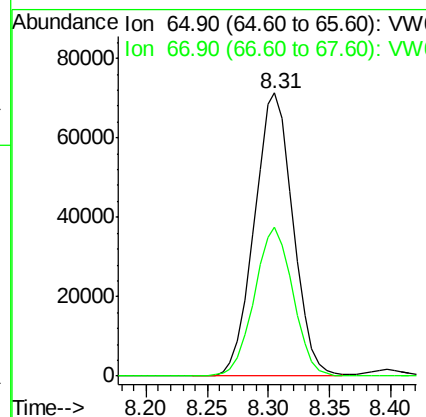
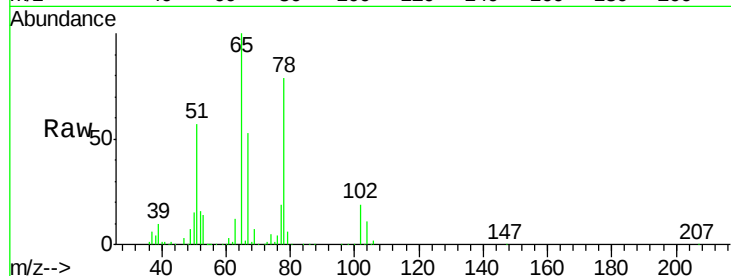
#33
 1,2-Dichloroethane-d4
 Concen: 51.904 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156541		
67	52.8	0.0	102.6	

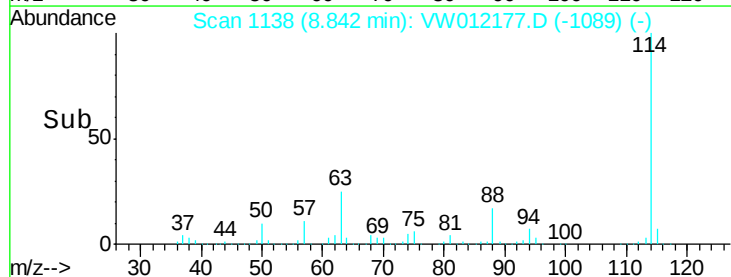
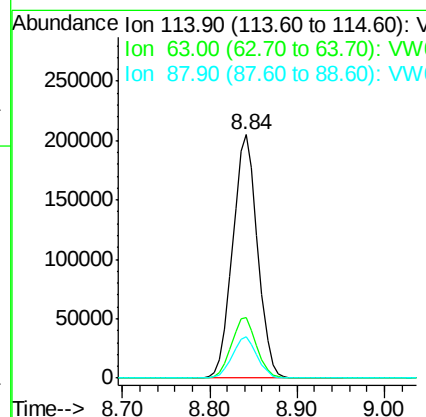
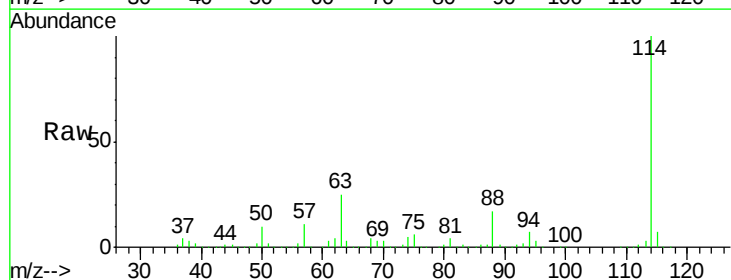
Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 11:04:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	405632		
63	24.7	0.0	48.6	
88	16.8	0.0	32.2	





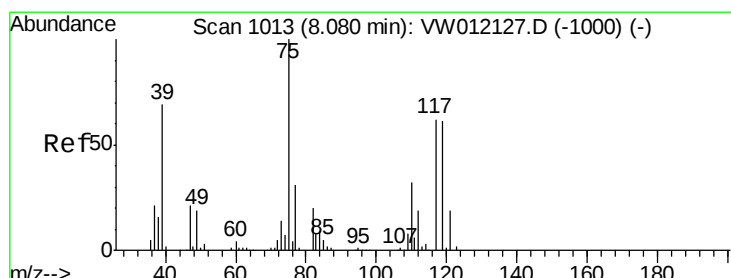
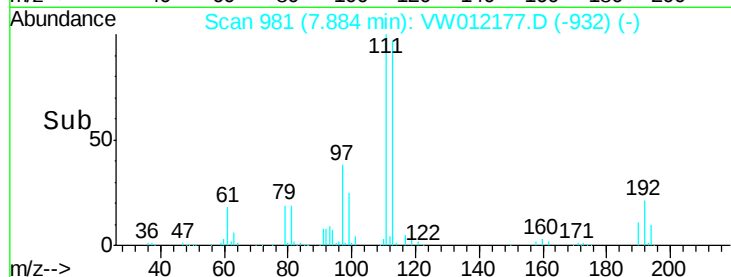
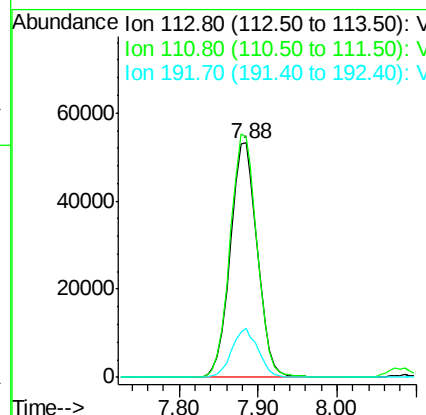
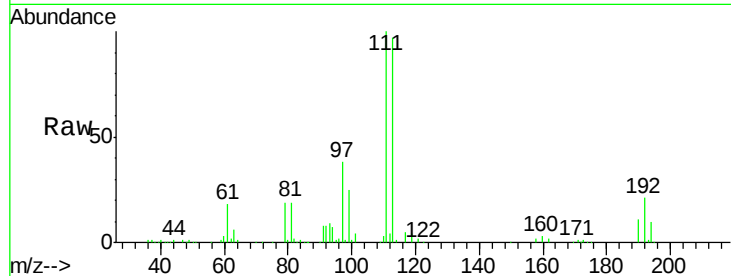
#35
 Dibromofluoromethane
 Concen: 52.241 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126488		
111	103.6	82.7	124.1	
192	20.3	16.2	24.2	

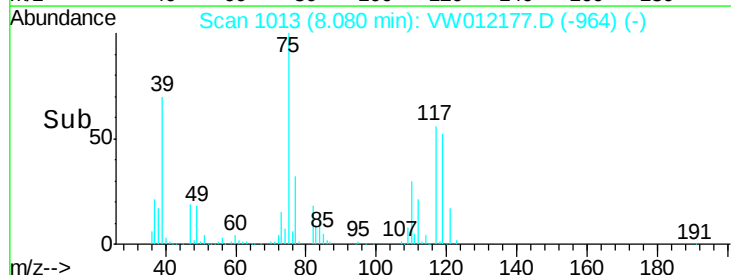
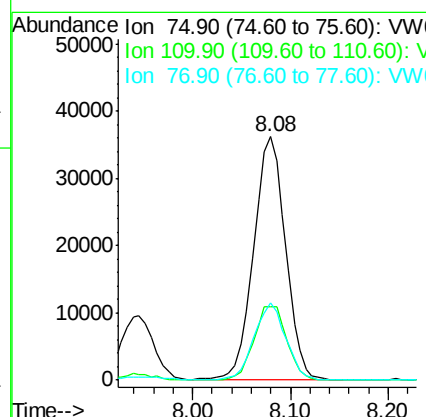
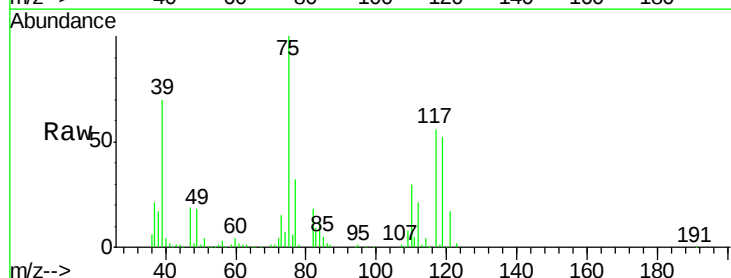
Manual Integrations
 APPROVED

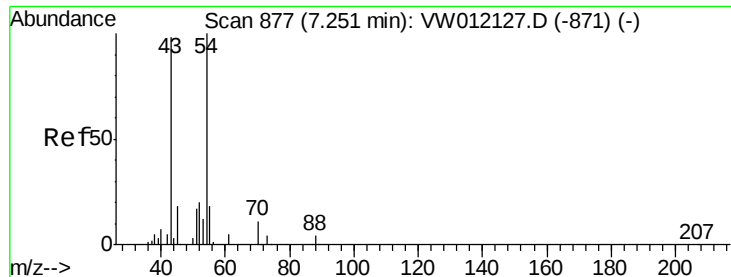
MMDadoda
 8/27/2019 11:04:30 AM



#36
 1,1-Dichloropropene
 Concen: 19.634 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82300		
110	31.3	15.6	46.8	
77	31.5	24.6	36.8	





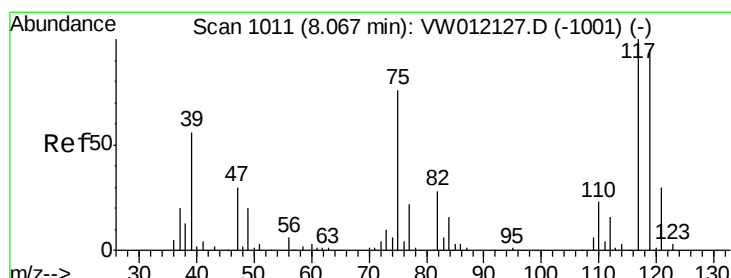
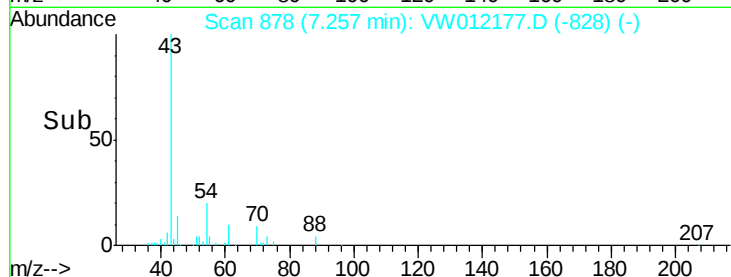
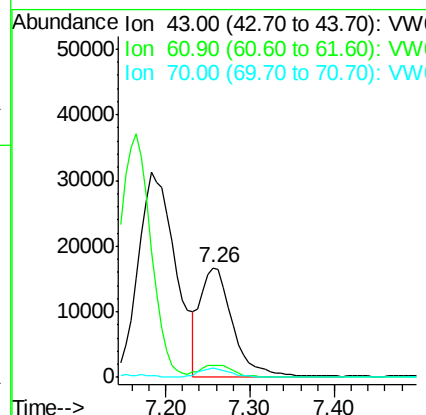
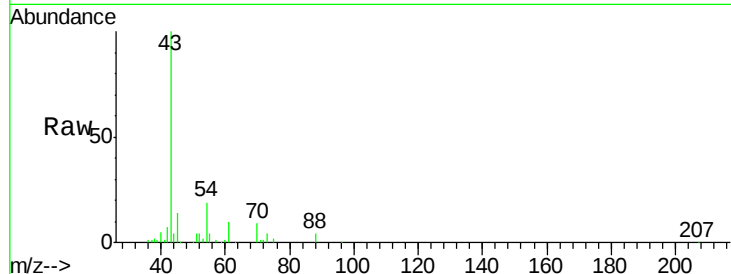
#37
Ethyl Acetate
Concen: 19.308 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.9	9.2	13.8
70	8.3	6.9	10.3

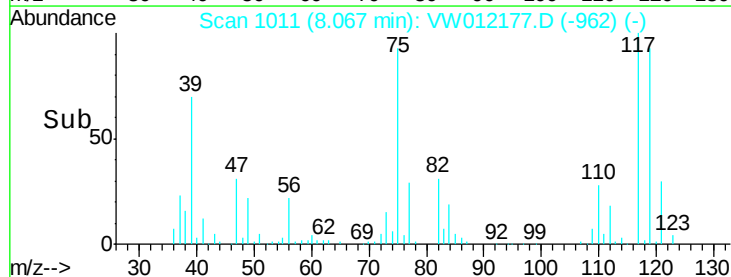
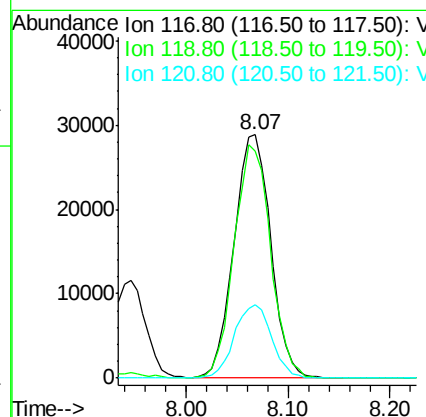
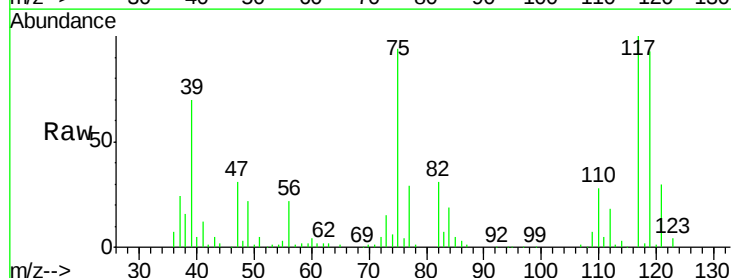
Manual Integrations
APPROVED

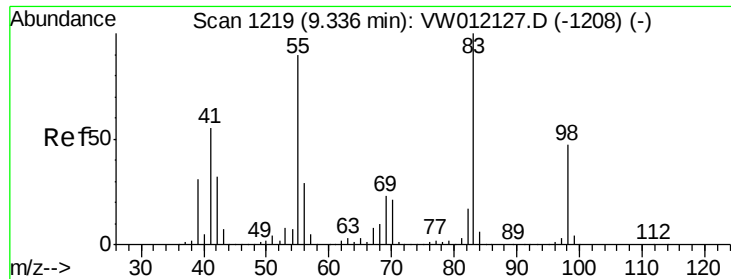
MMDadoda
8/27/2019 11:04:30 AM



#38
Carbon Tetrachloride
Concen: 19.910 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.2	114.2
121	30.2	23.8	35.8





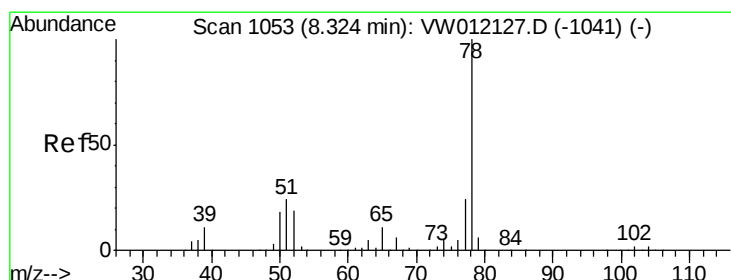
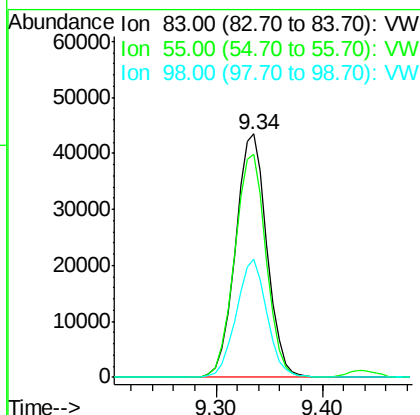
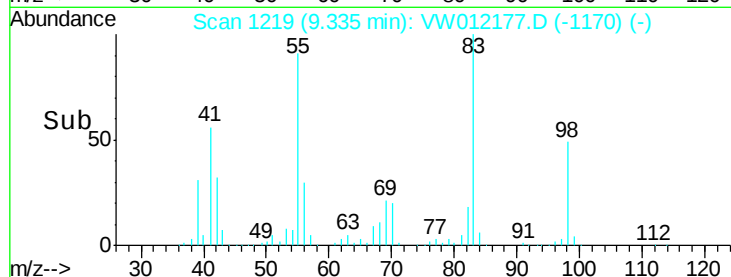
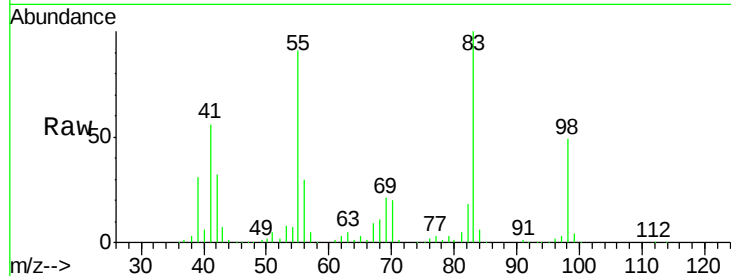
#39
Methvlcvclohexane
Concen: 19.074 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.5	71.8	107.8
98	48.6	37.8	56.8

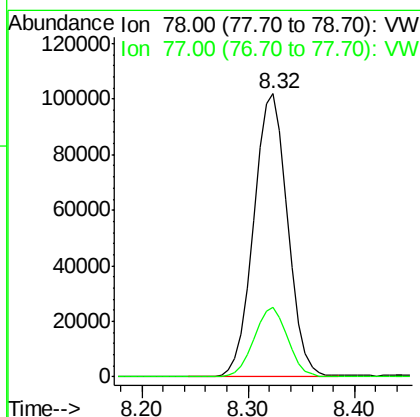
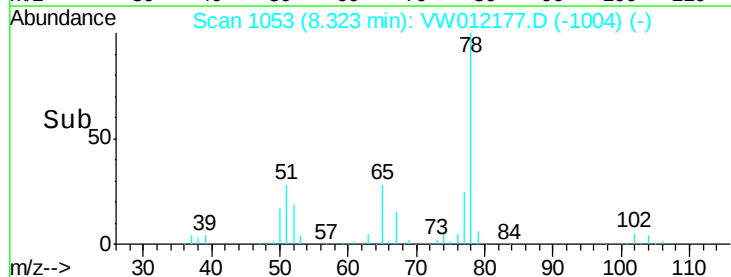
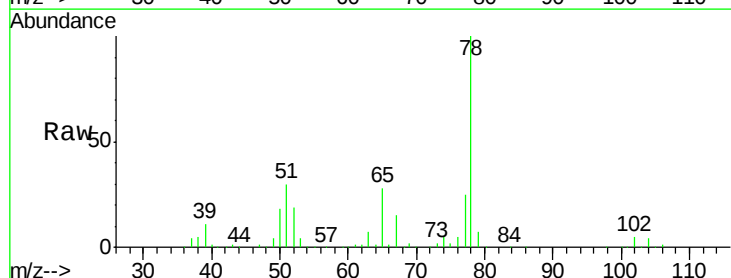
Manual Integrations
APPROVED

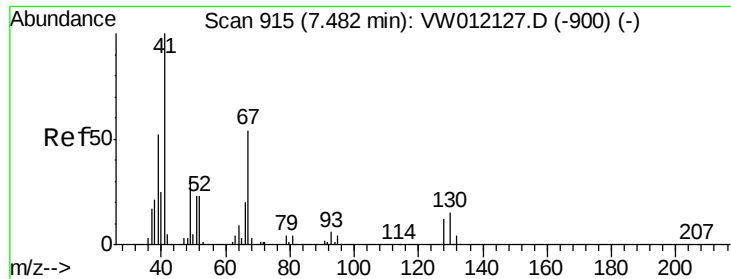
MMDadoda
8/27/2019 11:04:30 AM



#40
Benzene
Concen: 19.915 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.5	29.3





#41

Methacrylonitrile

Concen: 19.301 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

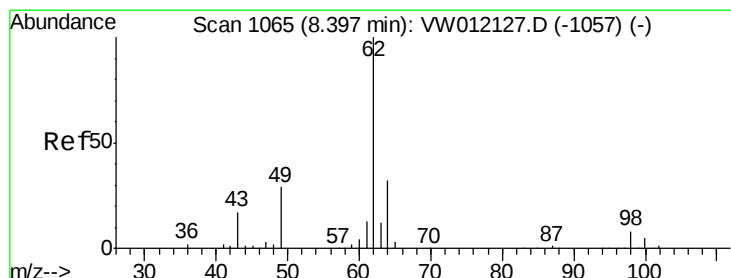
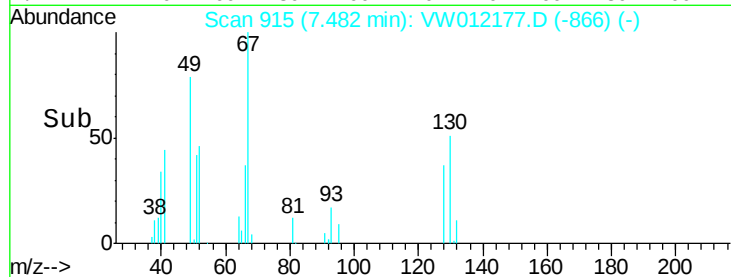
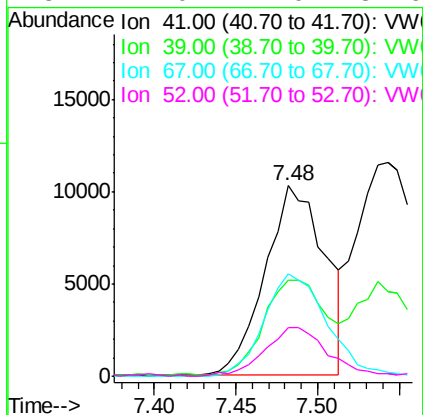
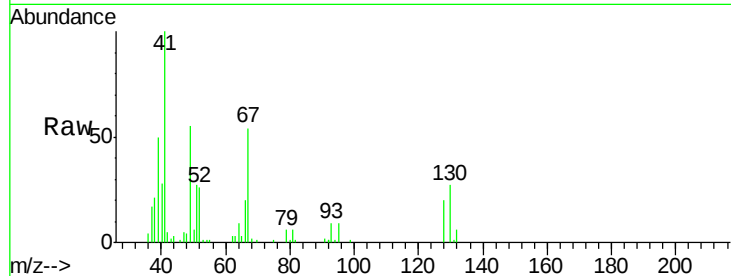
ClientSampleId :

VW0826SBS02

Tot Ion	41	Resp	26057
Ion Ratio	Lower	Upper	
41	100		
39	52.5	45.8	68.8
67	56.6	46.2	69.4
52	27.0	21.0	31.6

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#42

1,2-Dichloroethane

Concen: 20.084 ug/l

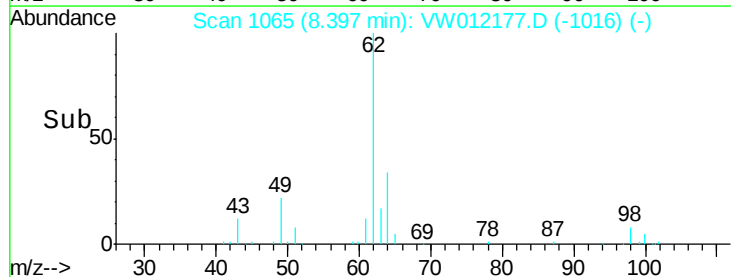
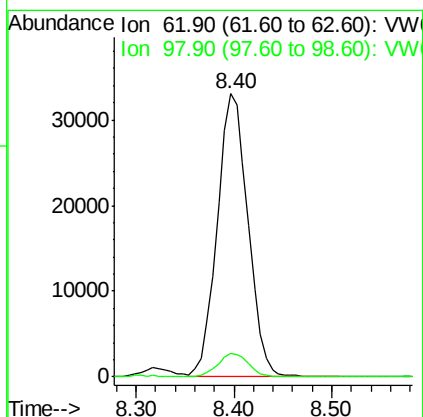
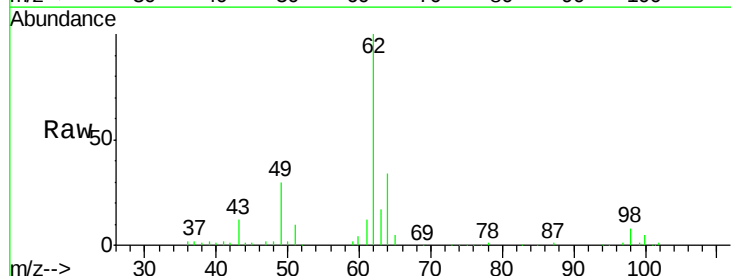
RT: 8.40 min Scan# 1065

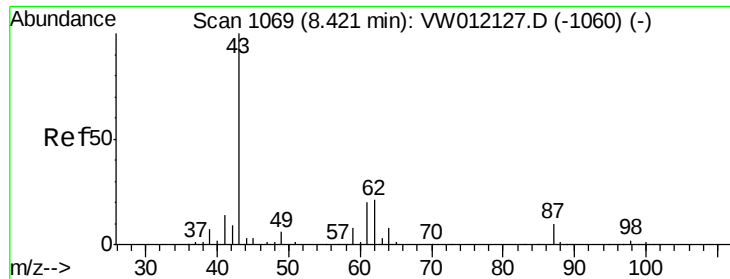
Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion	62	Resp	72046
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	16.6





#43

Isopropyl Acetate

Concen: 19.198 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

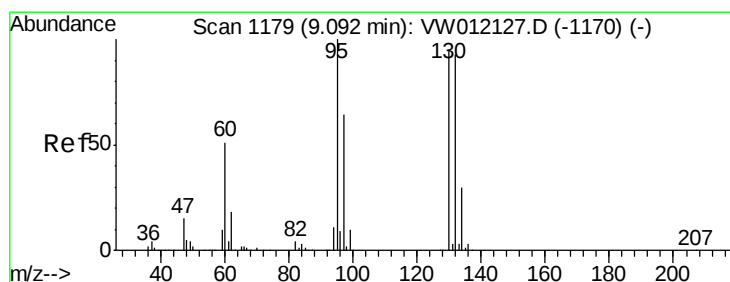
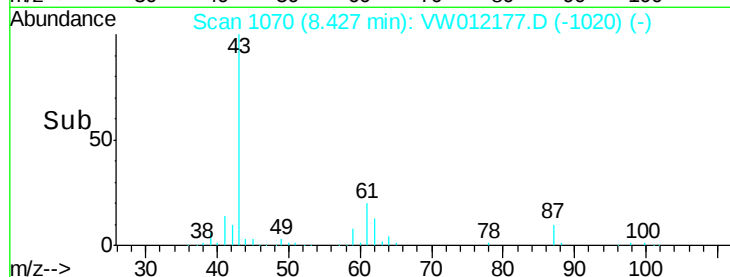
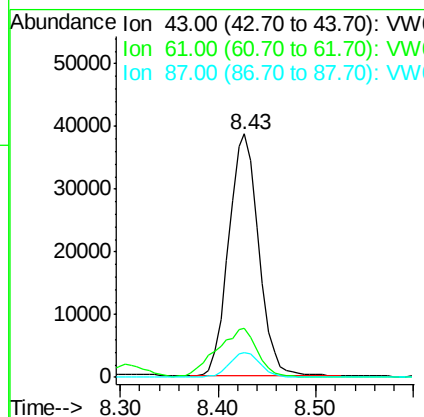
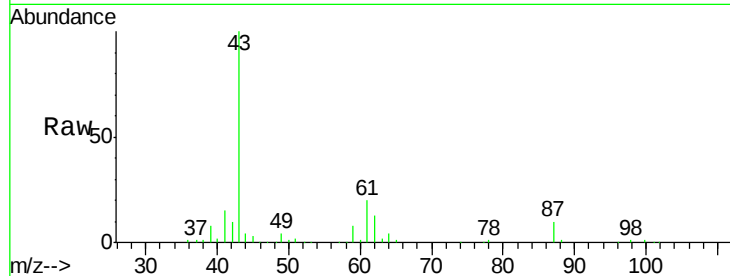
ClientSampleId :

VW0826SBS02

Tot Ion:	43	Resp:	81683
Ion	Ratio	Lower	Upper
43	100		
61	28.0	21.1	31.7
87	10.7	8.2	12.2

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#44

Trichloroethene

Concen: 19.678 ug/l

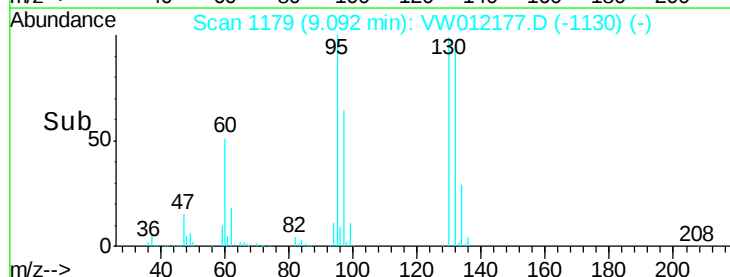
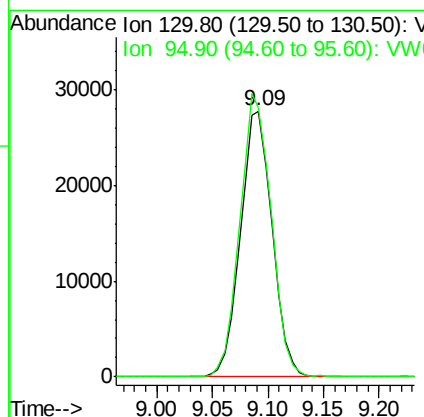
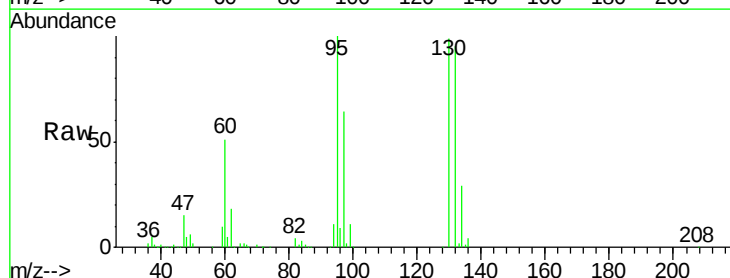
RT: 9.09 min Scan# 1179

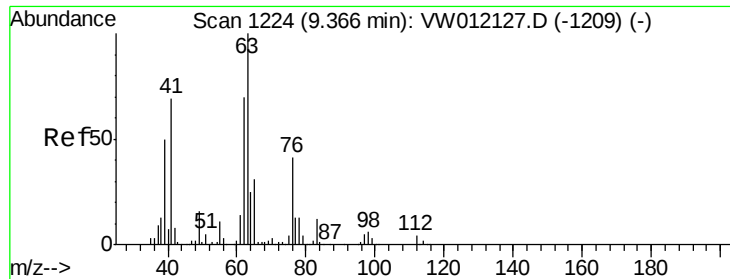
Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion:	130	Resp:	54752
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	210.6





#45

1,2-Dichloropropane

Concen: 20.134 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampled :

VW0826SBS02

Tot Ion: 63 Resp: 62022

Ion Ratio Lower Upper

63 100

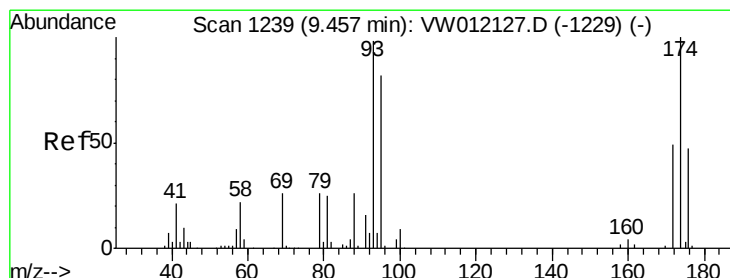
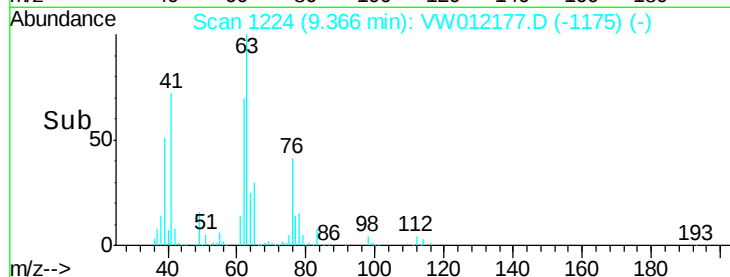
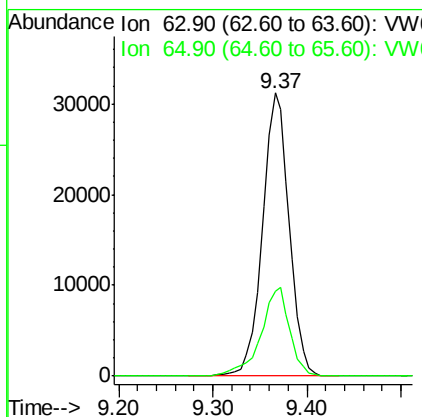
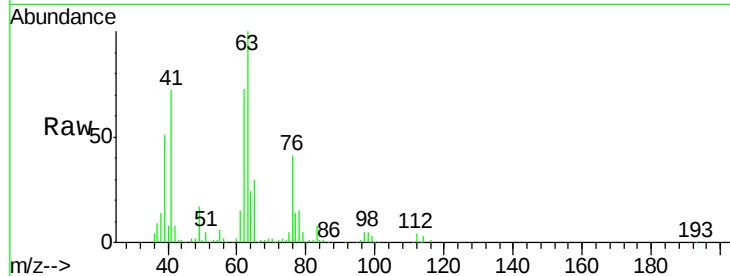
65 29.9 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#46

Dibromomethane

Concen: 19.979 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

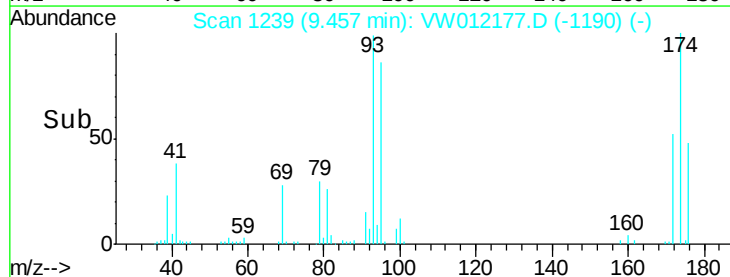
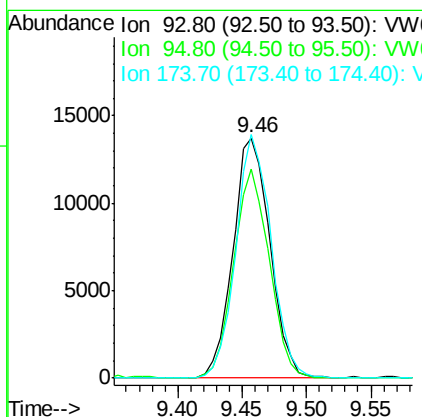
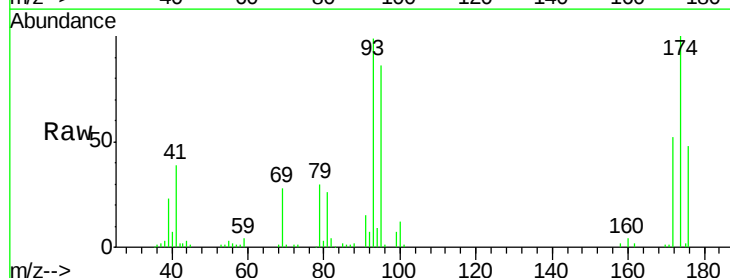
Tgt Ion: 93 Resp: 27382

Ion Ratio Lower Upper

93 100

95 83.5 67.2 100.8

174 96.5 79.0 118.6





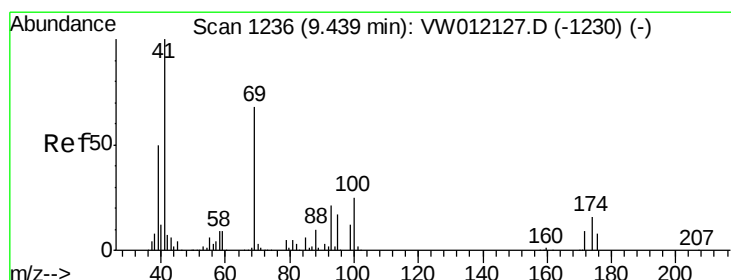
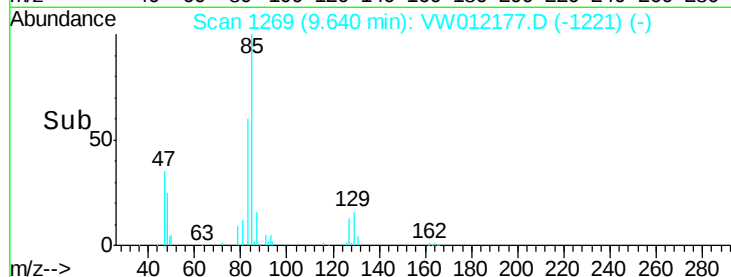
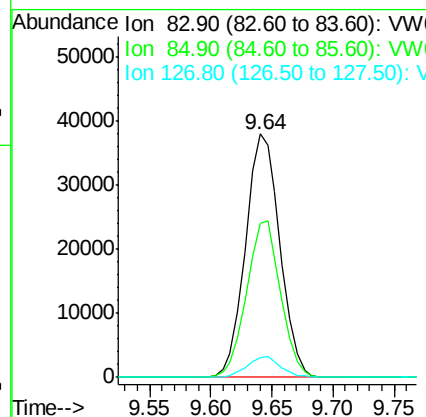
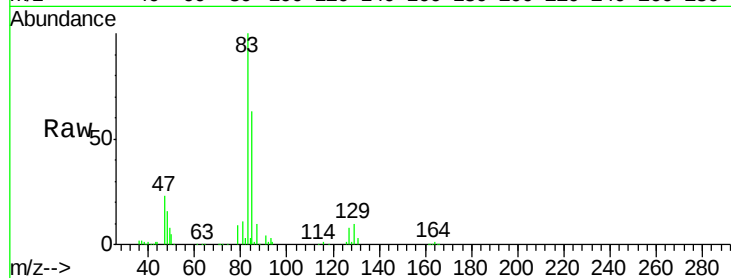
#47
Bromodichloromethane
Concen: 20.265 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.4	74.2
127	8.0	6.1	9.1

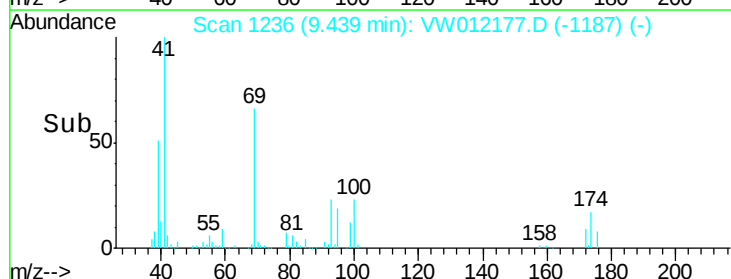
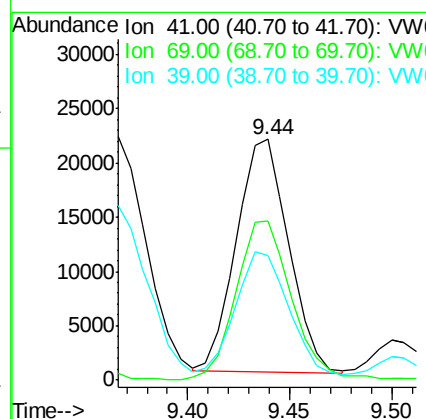
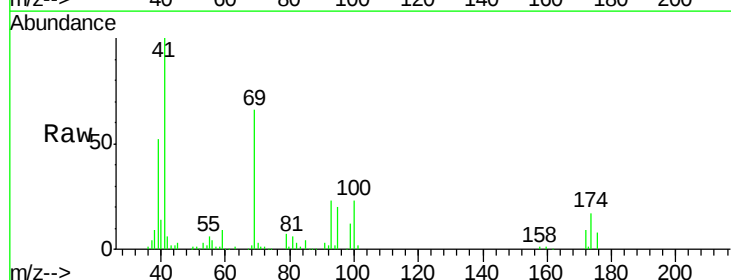
Manual Integrations
APPROVED

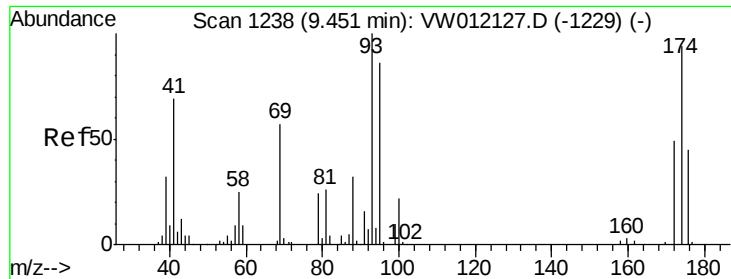
MMDadoda
8/27/2019 11:04:30 AM



#48
Methyl methacrylate
Concen: 18.752 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
41	100		
69	74.0	56.7	85.1
39	58.4	42.0	63.0





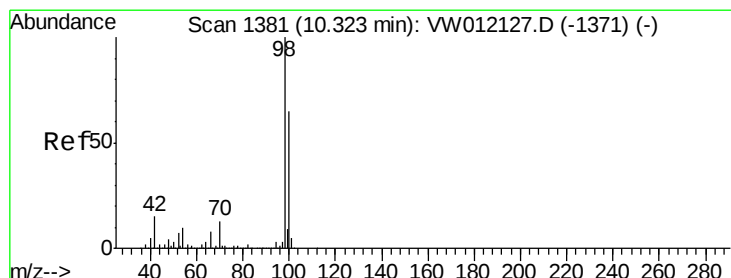
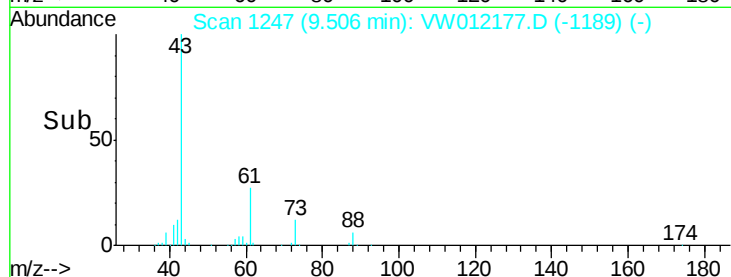
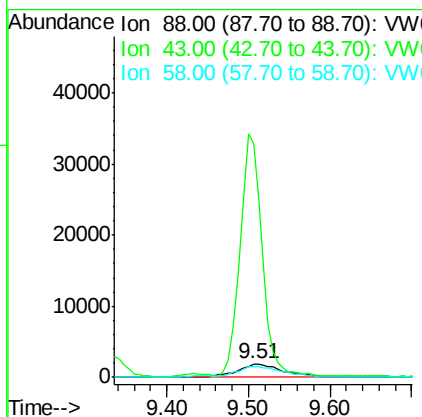
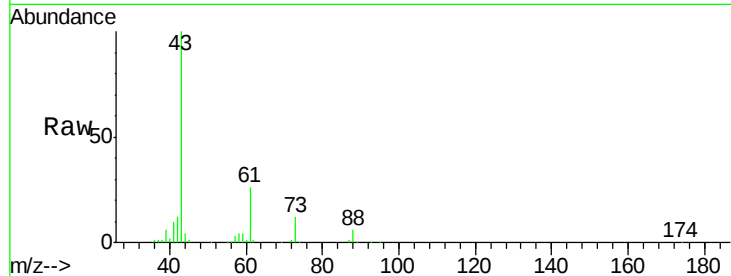
#49
1,4-Dioxane
Concen: 351.542 ug/l
RT: 9.51 min Scan# 1247
Delta R.T. 0.05 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	88	Resp	7376
Ion	Ratio	Lower	Upper
88	100		
43	849.4	32.9	49.3#
58	83.1	71.0	106.4

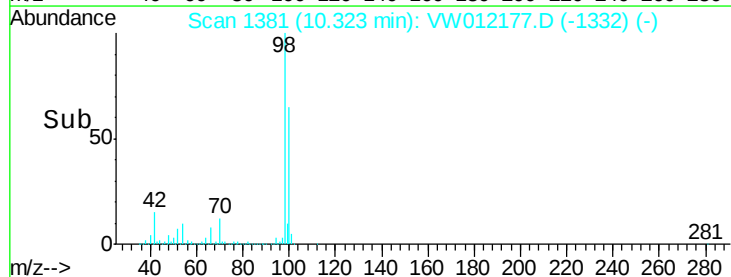
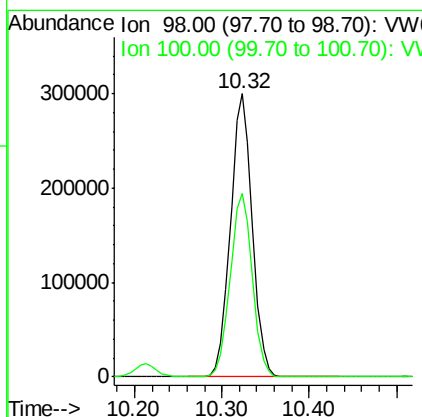
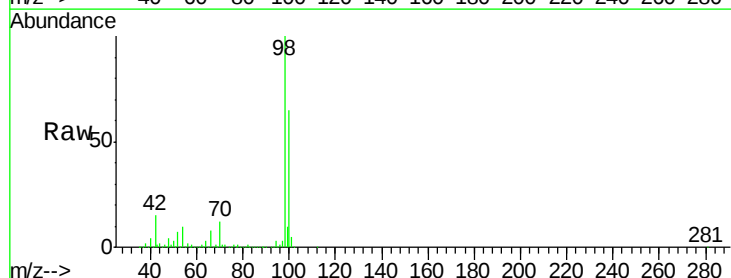
Manual Integrations
APPROVED

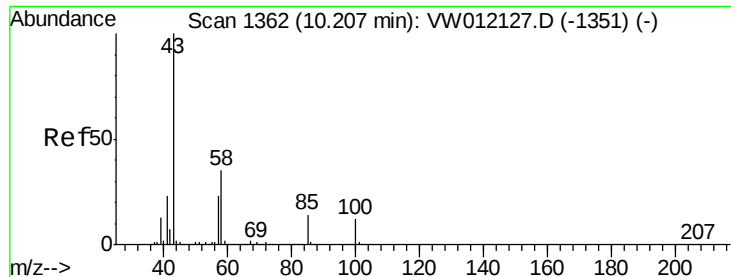
MMDadoda
8/27/2019 11:04:30 AM



#50
Toluene-d8
Concen: 52.836 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	98	Resp	518711
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.4	78.6





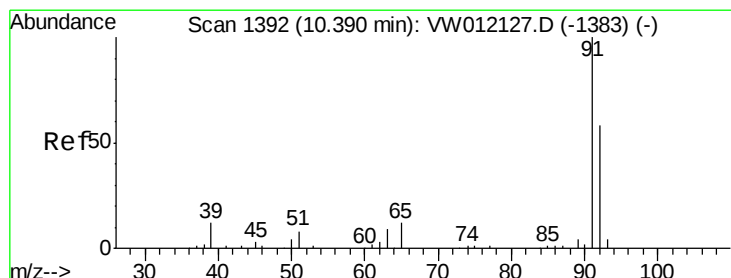
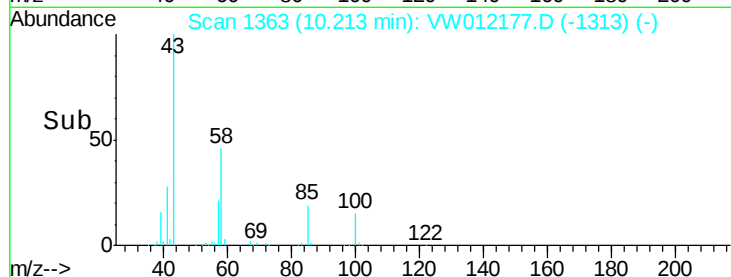
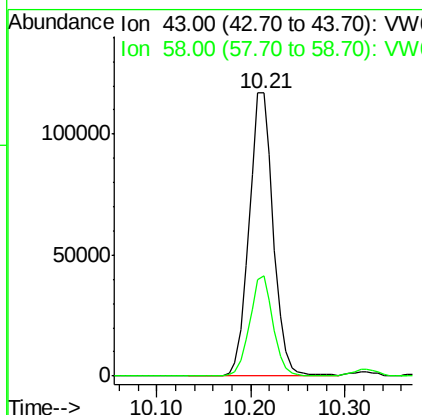
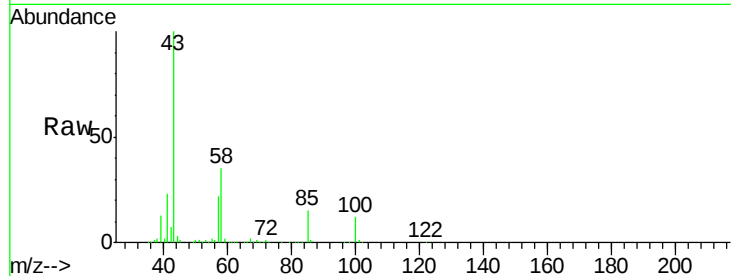
#51
4-Methyl-2-Pentanone
Concen: 97.402 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	43	Resp	210789
Ion Ratio	100	Lower	Upper
58	34.3	28.2	42.2

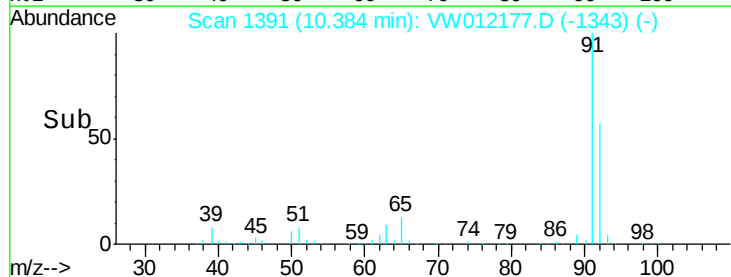
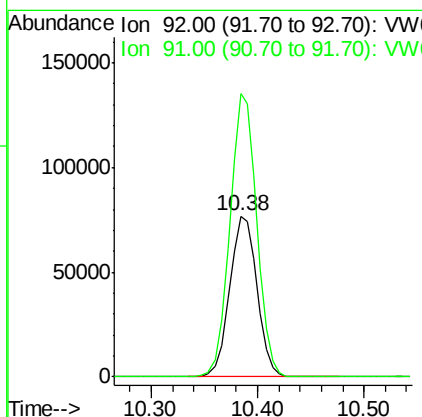
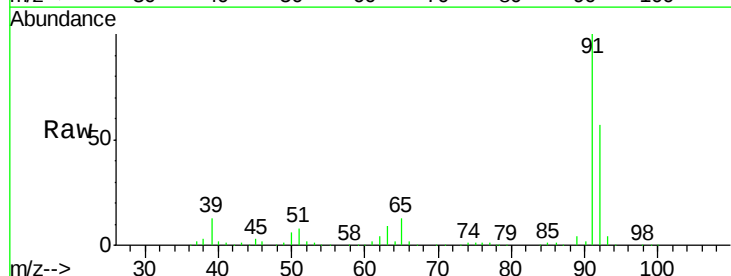
Manual Integrations
APPROVED

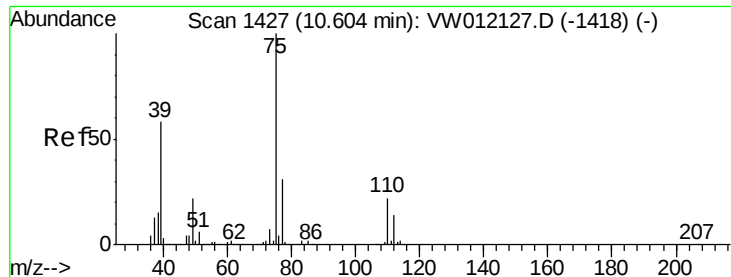
MMDadoda
8/27/2019 11:04:30 AM



#52
Toluene
Concen: 20.080 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	92	Resp	138071
Ion Ratio	100	Lower	Upper
91	172.4	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 19.684 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion: 75 Resp: 73137

Ion Ratio Lower Upper

75 100

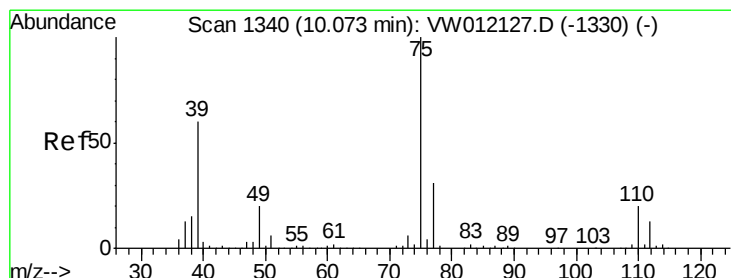
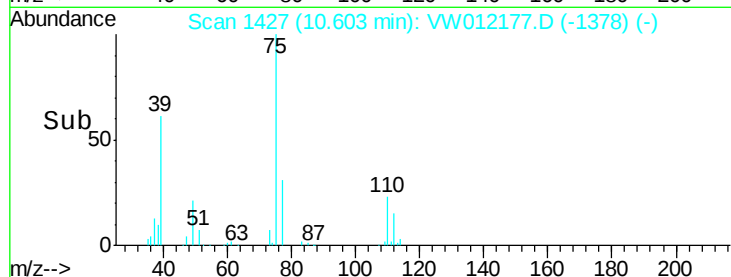
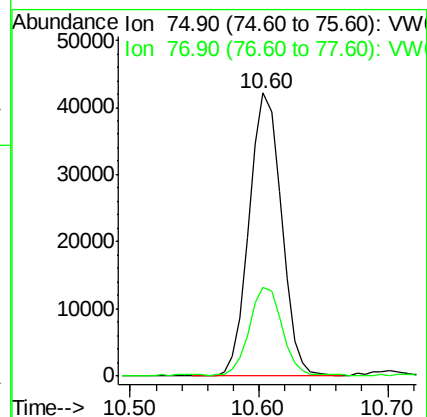
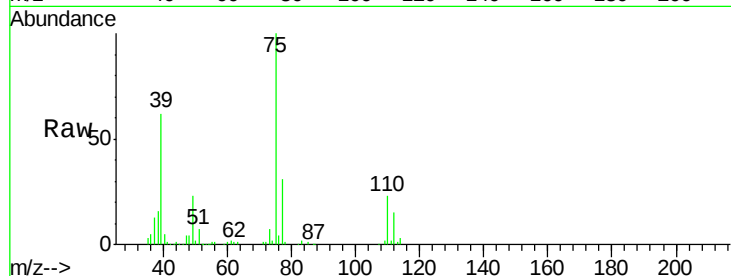
77 30.8 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#54

cis-1,3-Dichloropropene

Concen: 19.896 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

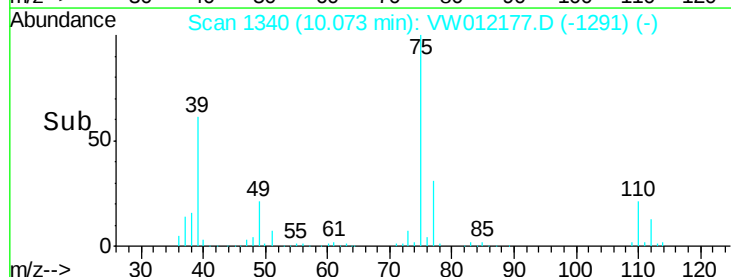
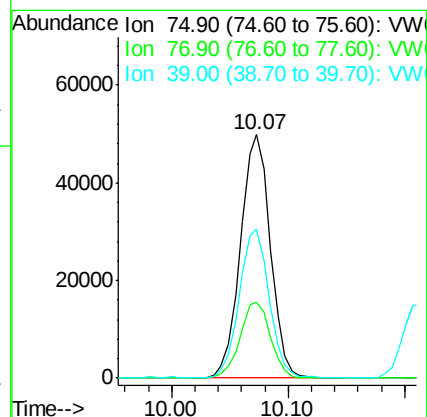
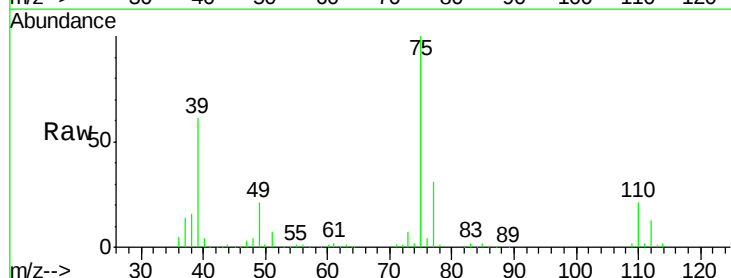
Tgt Ion: 75 Resp: 89263

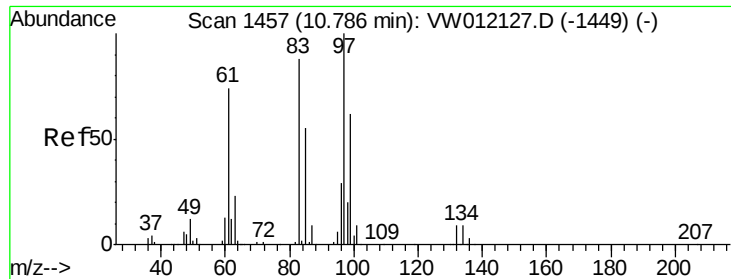
Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

39 61.2 48.3 72.5





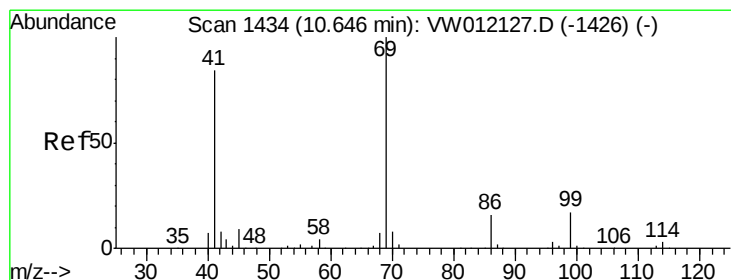
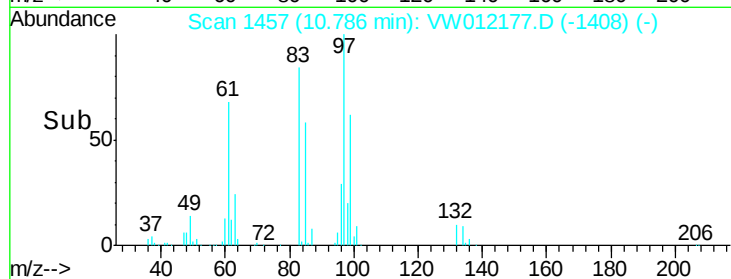
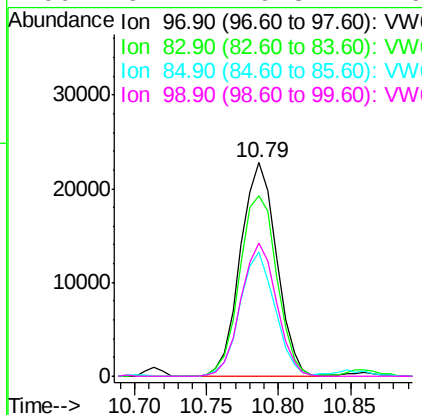
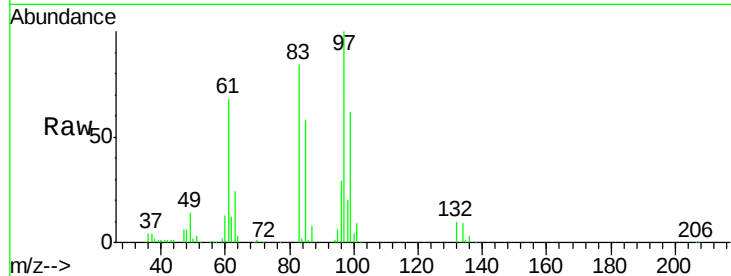
#55
 1,1,2-Trichloroethane
 Concen: 20.564 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion:	97	Resp:	39878
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.8	106.2
85	57.9	43.8	65.8
99	62.2	49.8	74.6

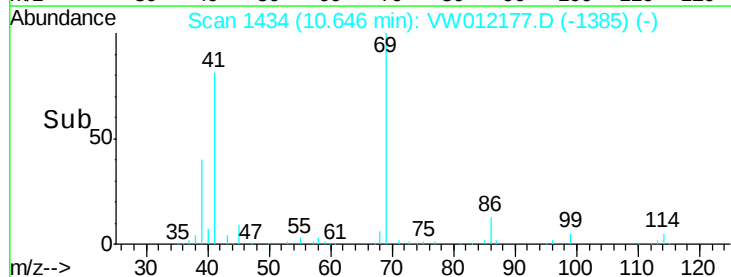
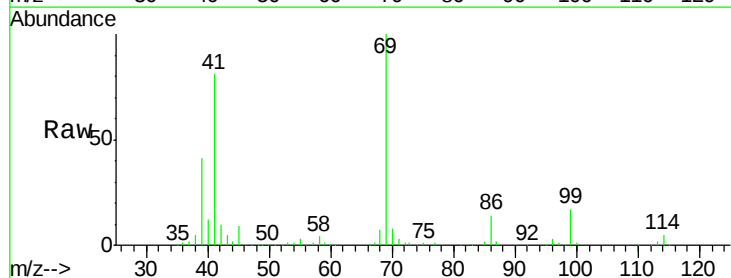
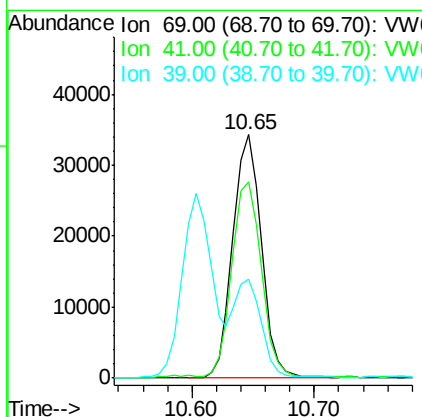
Manual Integrations
 APPROVED

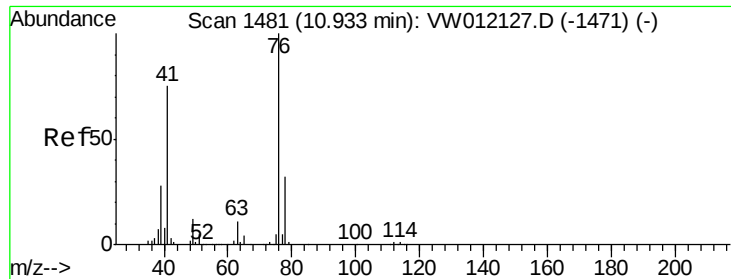
MMDadoda
 8/27/2019 11:04:30 AM



#56
 Ethyl methacrylate
 Concen: 19.783 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion:	69	Resp:	55833
Ion	Ratio	Lower	Upper
69	100		
41	81.9	66.5	99.7
39	37.5	31.0	46.4





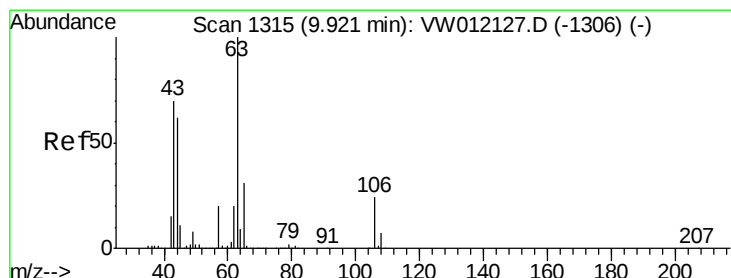
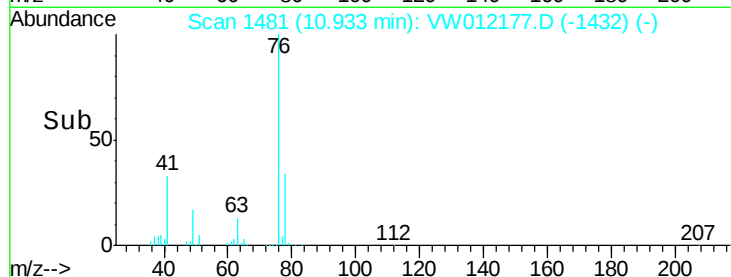
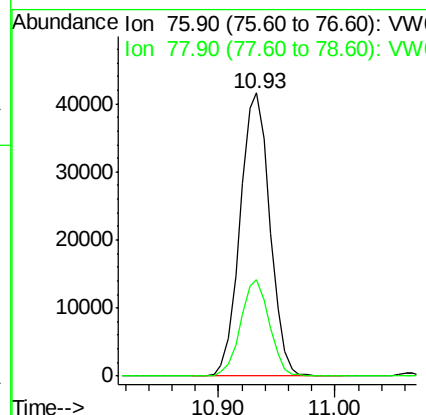
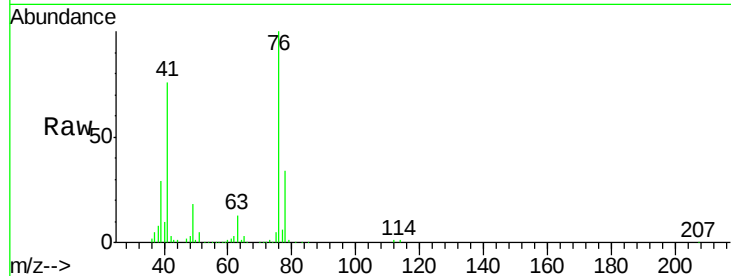
#57
 1,3-Dichloropropane
 Concen: 20.200 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion: 76 Resp: 74023
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.8

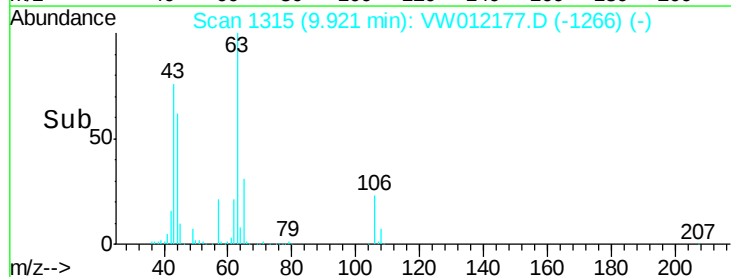
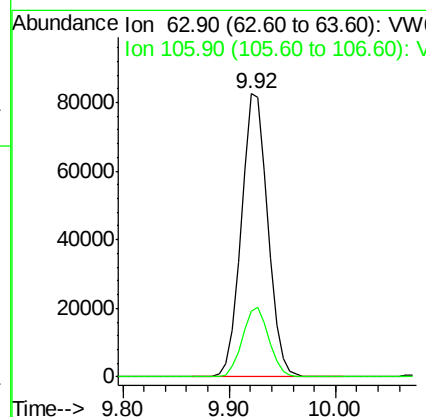
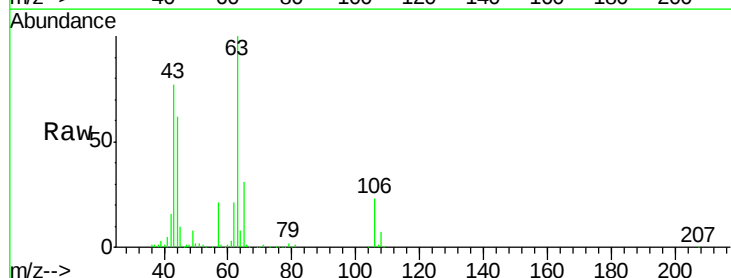
Manual Integrations
 APPROVED

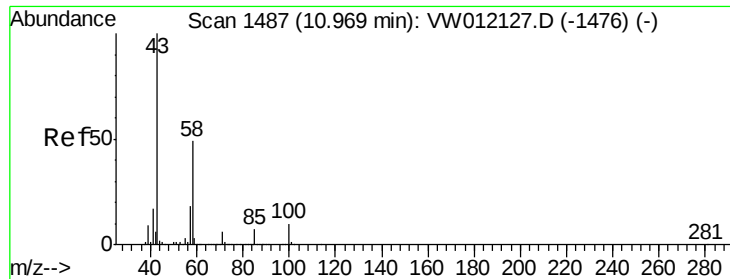
MMDadoda
 8/27/2019 11:04:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.971 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion: 63 Resp: 144805
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.8 29.8





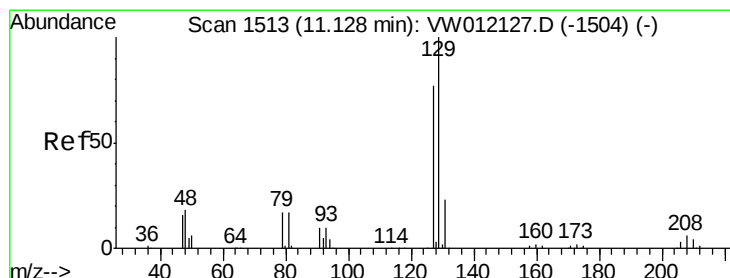
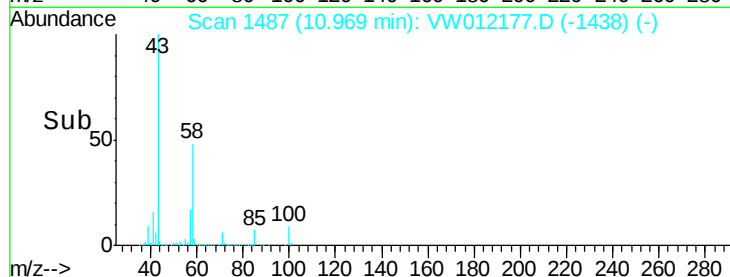
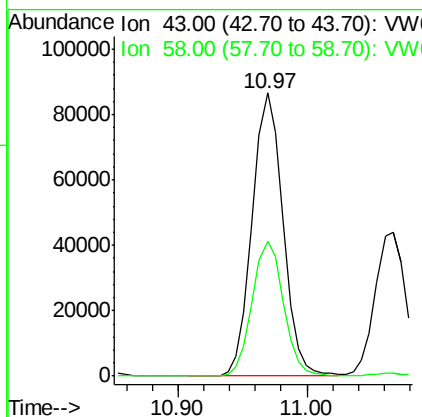
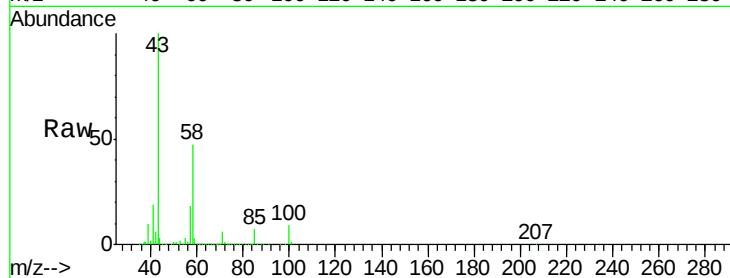
#59
2-Hexanone
Concen: 93.277 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion: 43 Resp: 142830
Ion Ratio Lower Upper
43 100
58 48.4 24.3 72.9

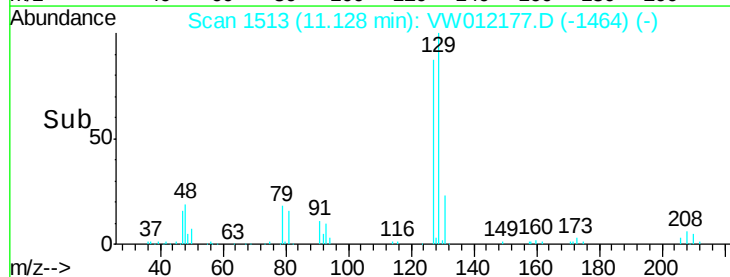
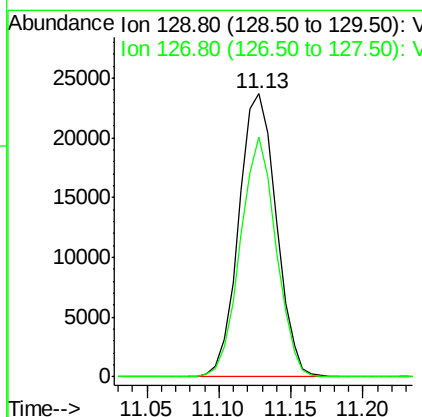
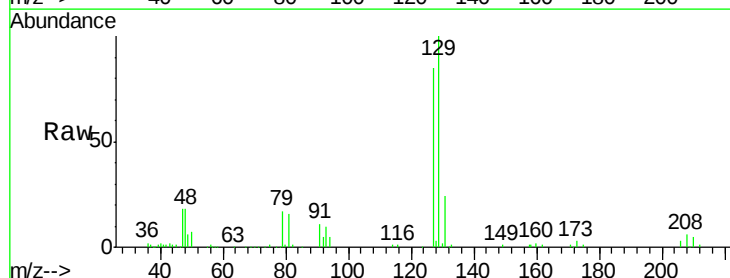
Manual Integrations
APPROVED

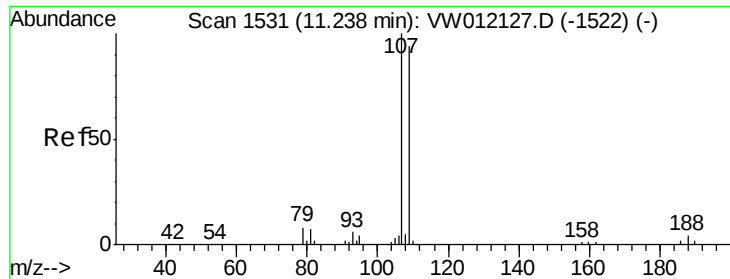
MMDadoda
8/27/2019 11:04:30 AM



#60
Dibromochloromethane
Concen: 19.803 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion: 129 Resp: 42773
Ion Ratio Lower Upper
129 100
127 80.4 38.6 115.8





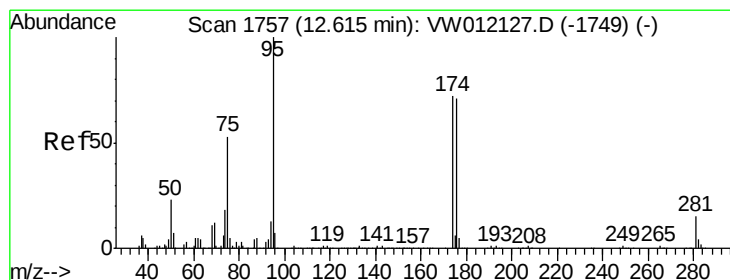
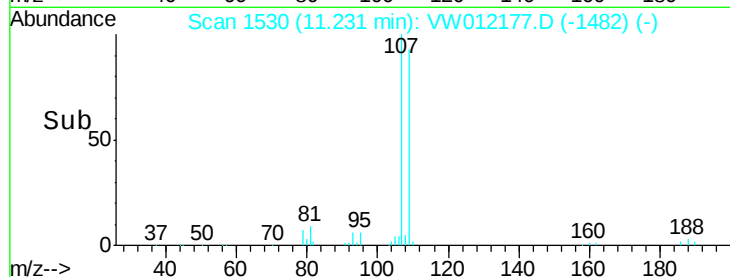
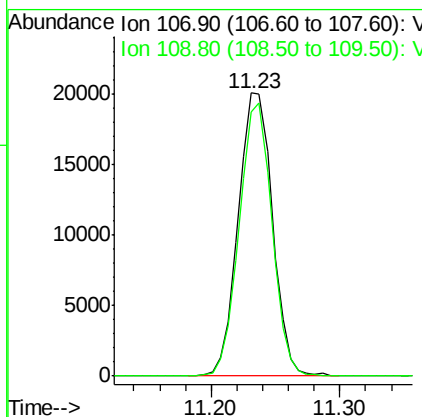
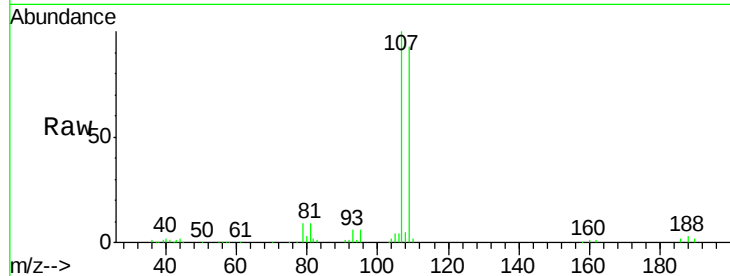
#61
 1,2-Dibromoethane
 Concen: 20.442 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.4	113.2

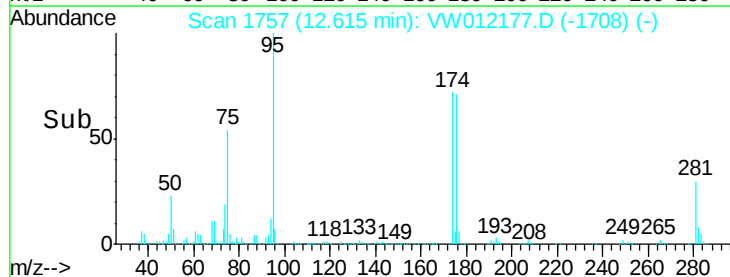
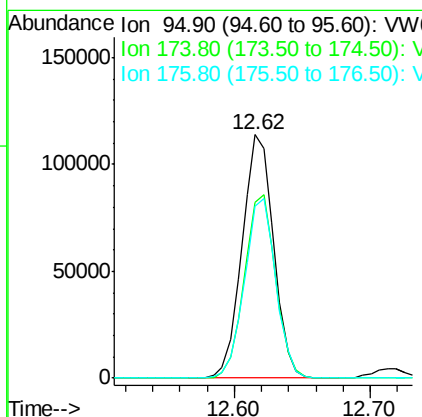
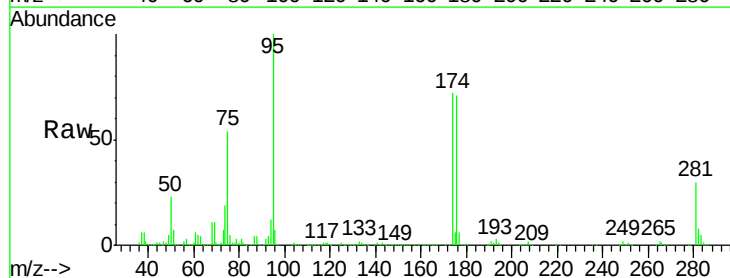
Manual Integrations
 APPROVED

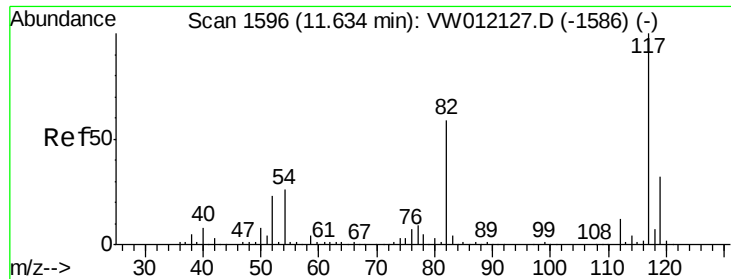
MMDadoda
 8/27/2019 11:04:30 AM



#62
 4-Bromofluorobenzene
 Concen: 53.232 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	150.8
176	73.4	0.0	148.6





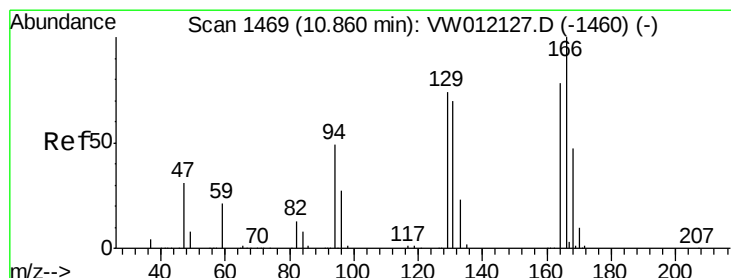
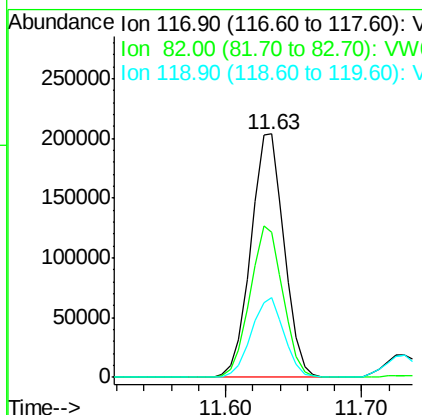
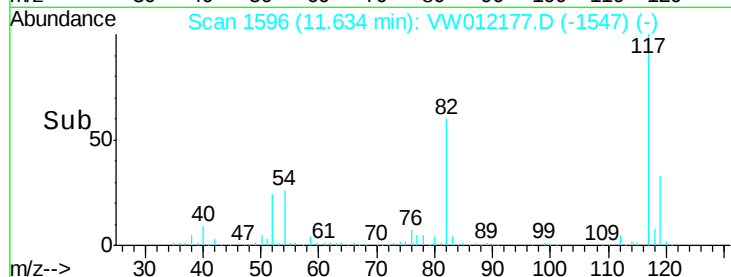
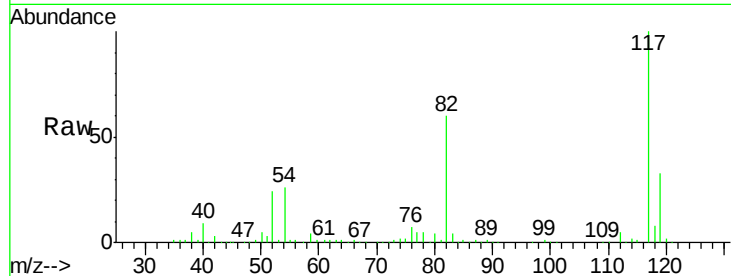
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	350013		
82	59.8		47.4	71.2
119	32.6		25.4	38.2

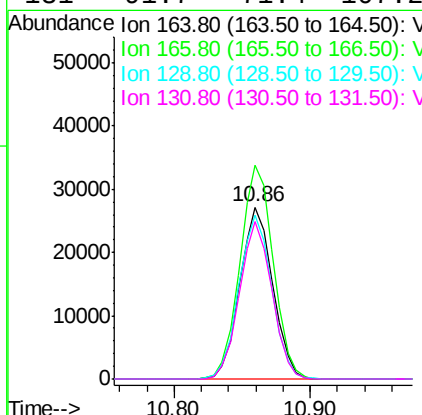
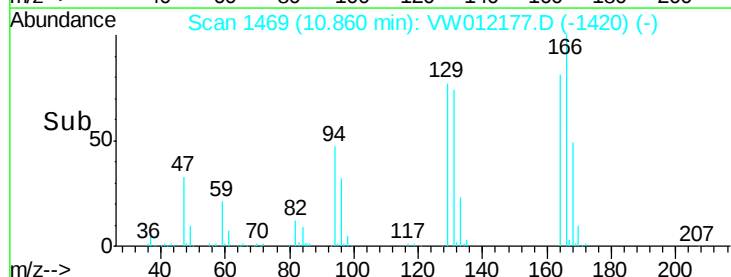
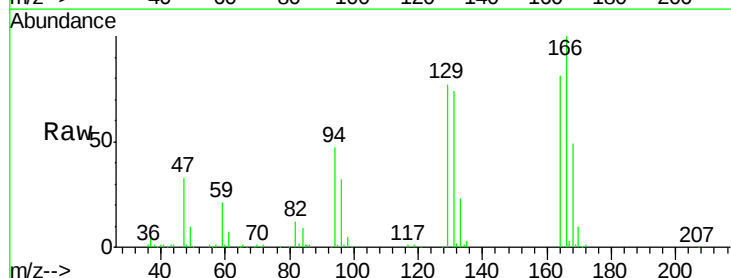
Manual Integrations
APPROVED

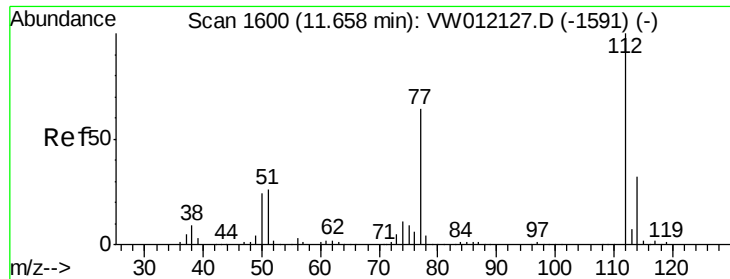
MMDadoda
8/27/2019 11:04:30 AM



#64
Tetrachloroethene
Concen: 20.263 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	45982		
166	124.2		102.4	153.6
129	95.1		75.8	113.6
131	91.7		71.4	107.2





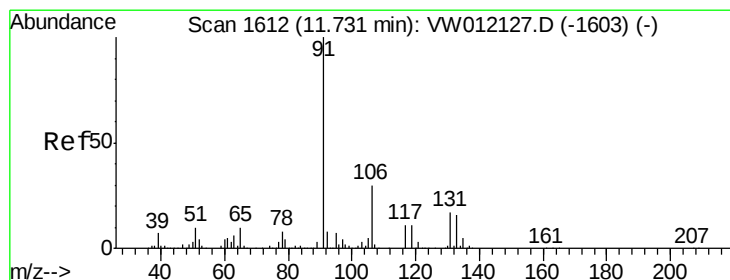
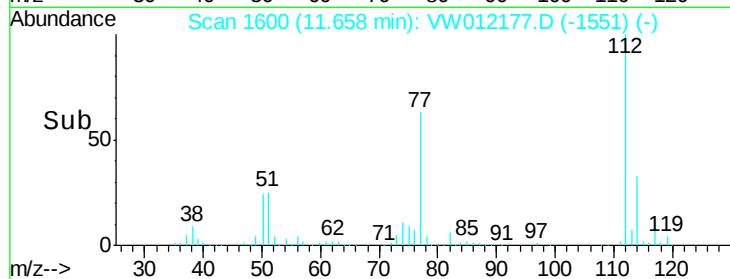
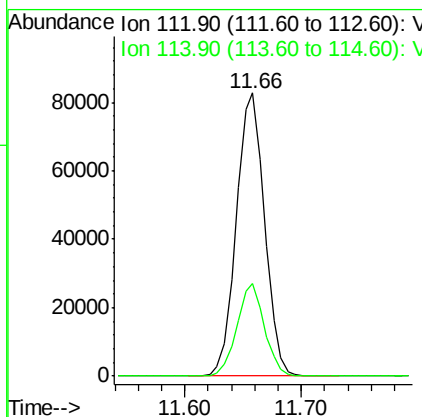
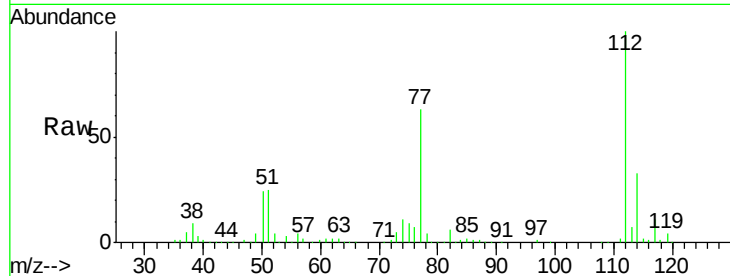
#65
Chlorobenzene
Concen: 20.266 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion:112 Resp: 139677
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

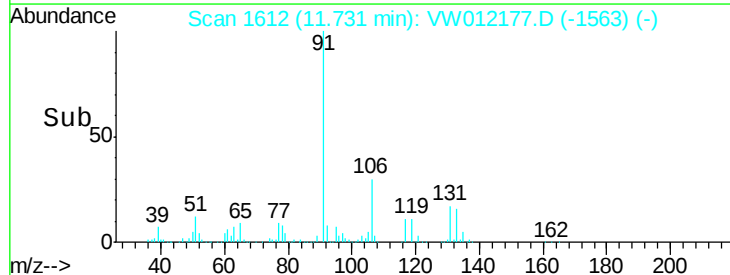
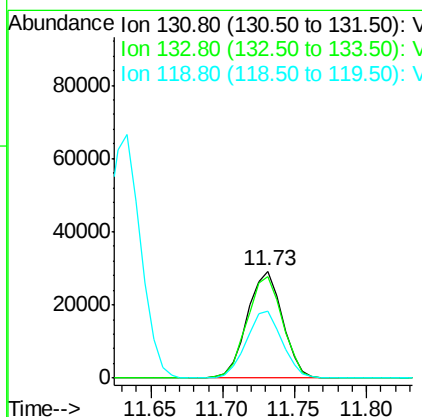
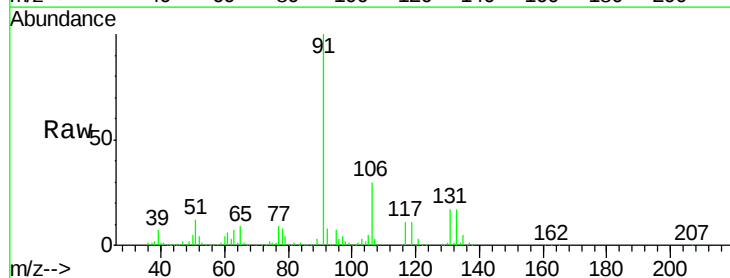
Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.514 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion:131 Resp: 49324
Ion Ratio Lower Upper
131 100
133 96.4 47.1 141.3
119 63.7 31.8 95.3





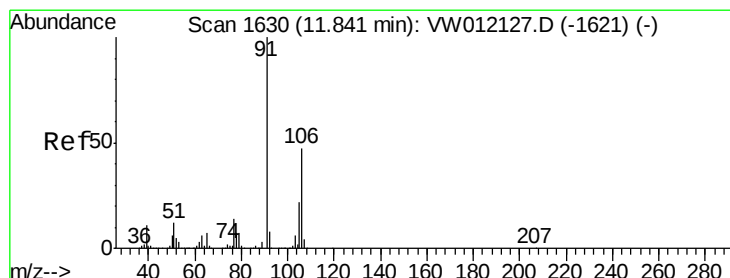
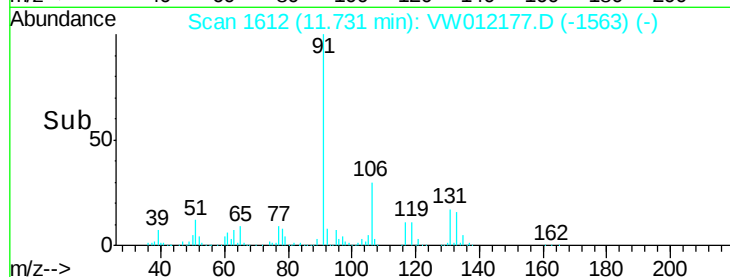
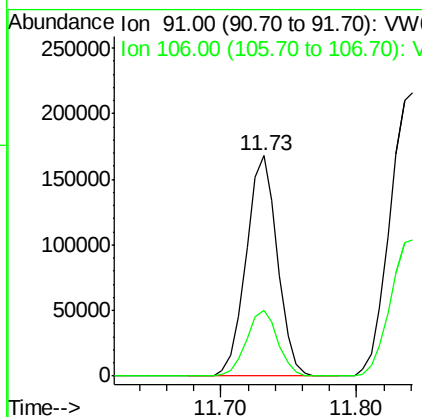
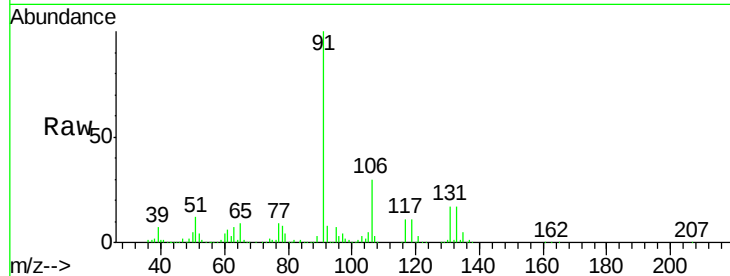
#67
Ethyl Benzene
Concen: 20.323 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.3	36.5

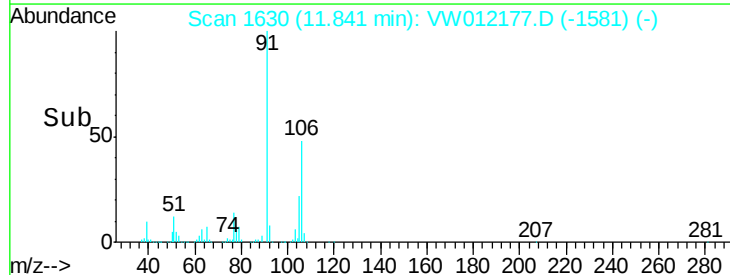
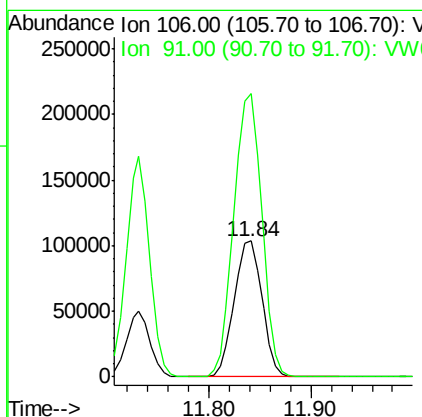
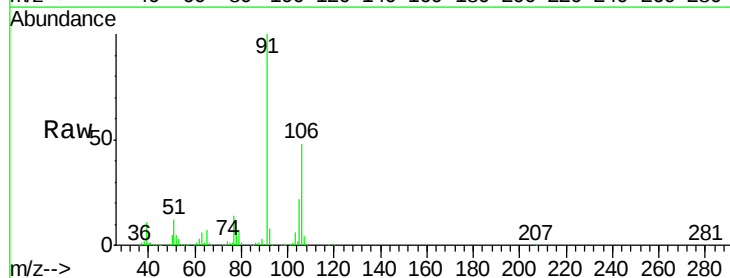
Manual Integrations
APPROVED

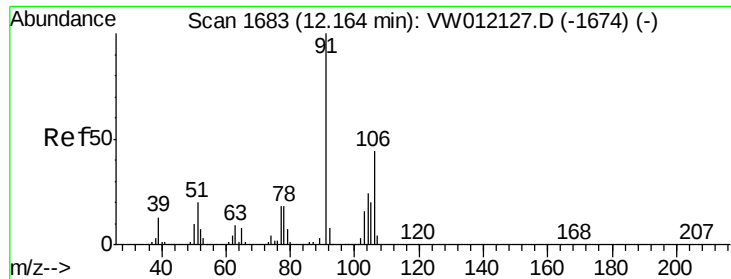
MMDadoda
8/27/2019 11:04:30 AM



#68
m/p-Xylenes
Concen: 41.076 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.3	169.5	254.3





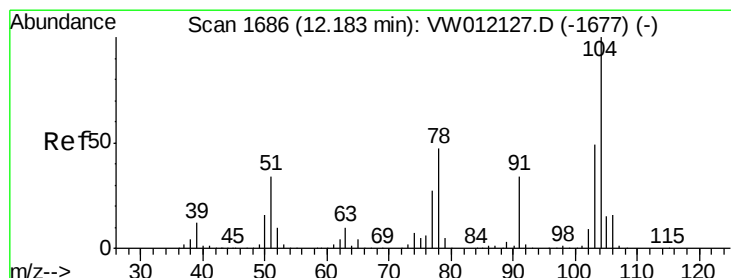
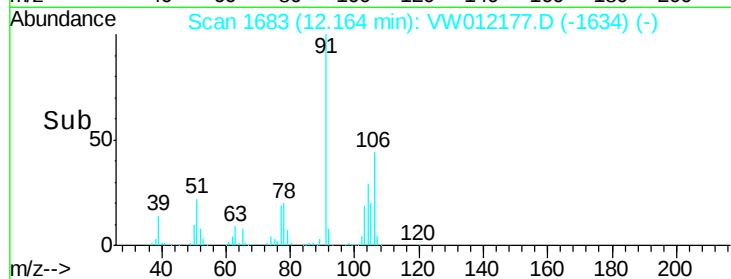
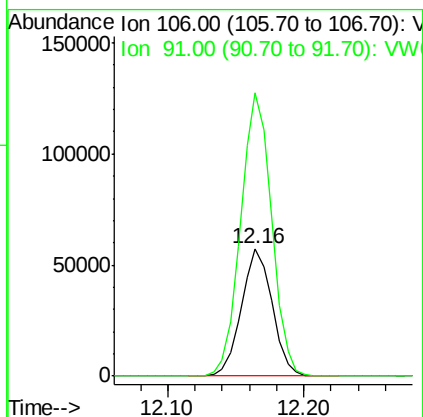
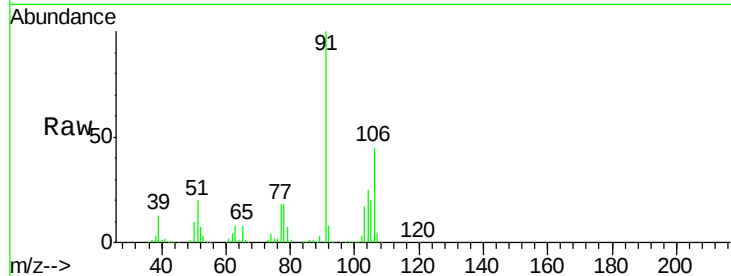
#69
o-Xylene
Concen: 20.530 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	223.0	111.6	90868	334.6	

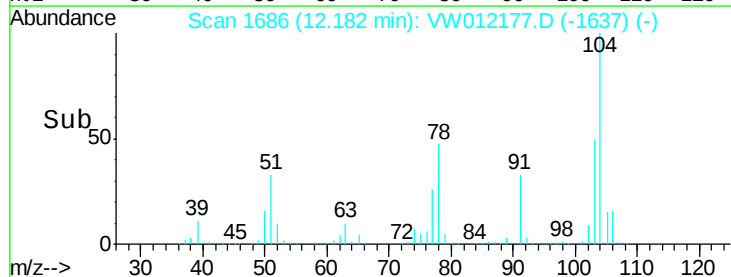
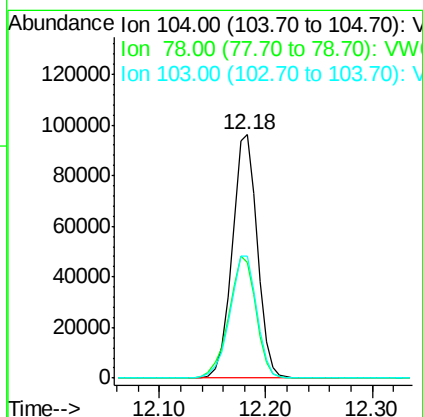
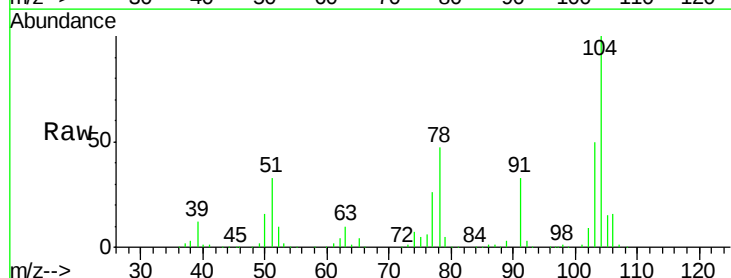
Manual Integrations
APPROVED

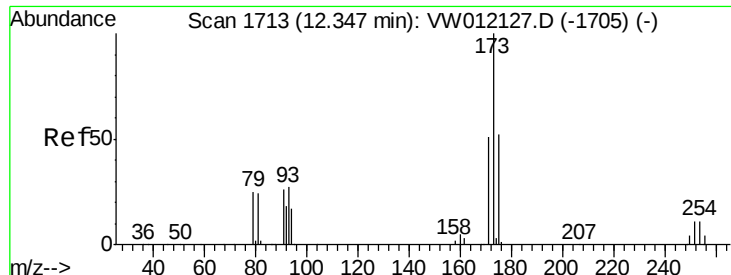
MMDadoda
8/27/2019 11:04:30 AM



#70
Styrene
Concen: 20.737 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.0	43.1	158872	64.7	
103	54.0	43.5		65.3	





#71

Bromoform

Concen: 19.839 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion:173 Resp: 23766

Ion Ratio Lower Upper

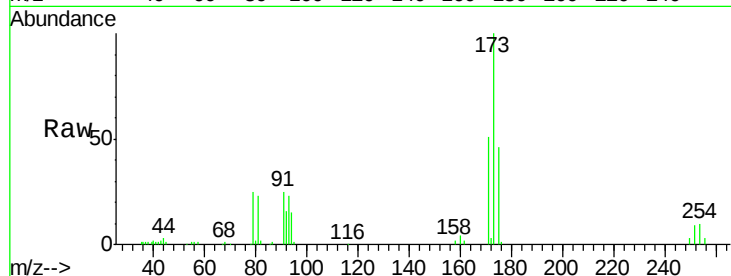
173 100

175 47.7 24.6 74.0

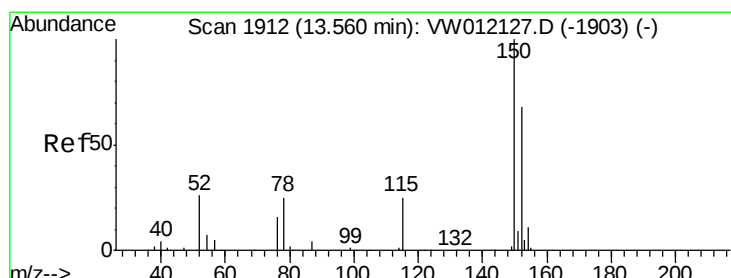
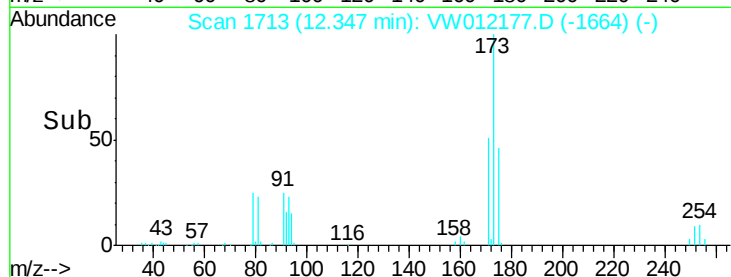
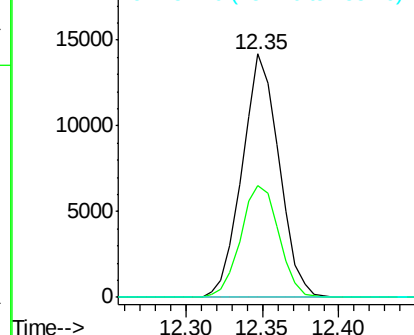
254 0.0 0.2 0.2#

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

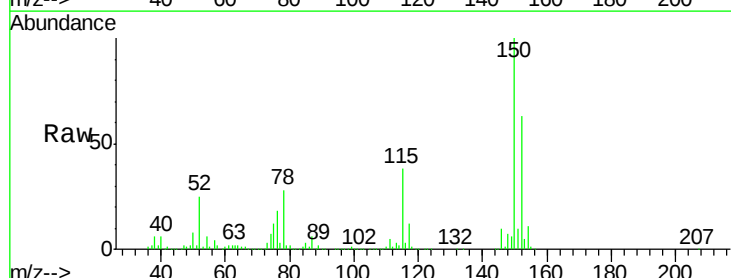
Tgt Ion:152 Resp: 170806

Ion Ratio Lower Upper

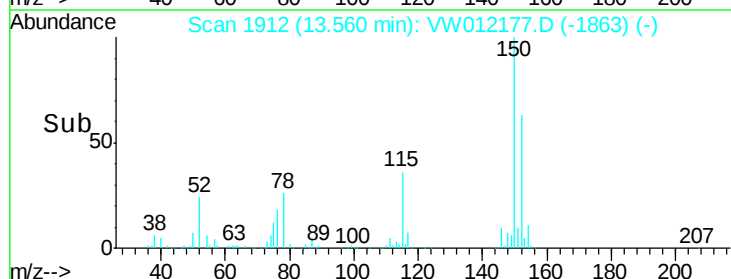
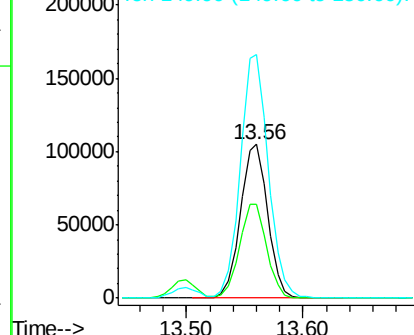
152 100

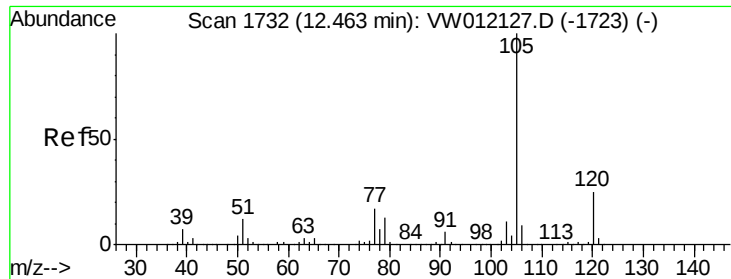
115 61.0 30.1 90.3

150 163.0 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.054 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion:105 Resp: 256663

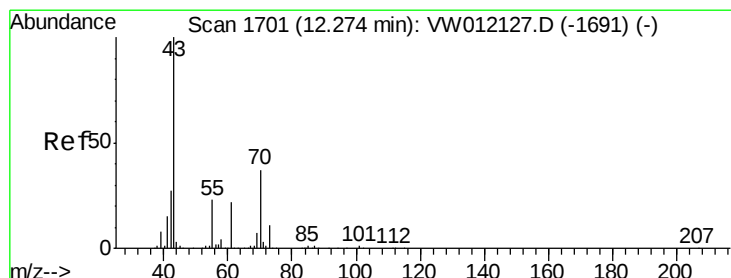
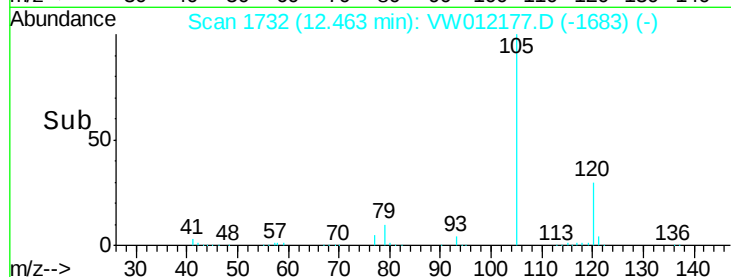
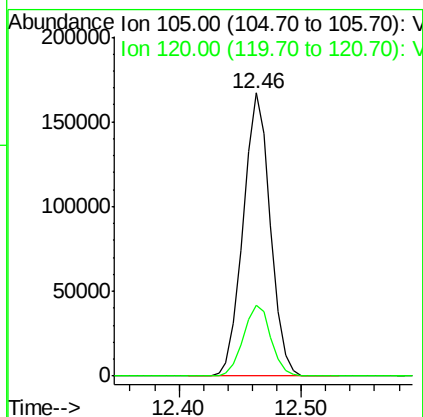
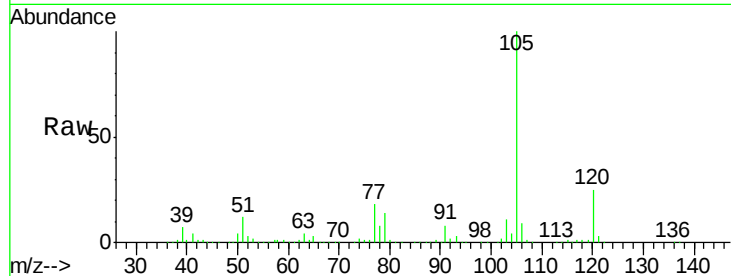
Ion Ratio Lower Upper

105 100

120 25.6 12.5 37.5

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#74

N-ethyl acetate

Concen: 19.794 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion: 43 Resp: 76541

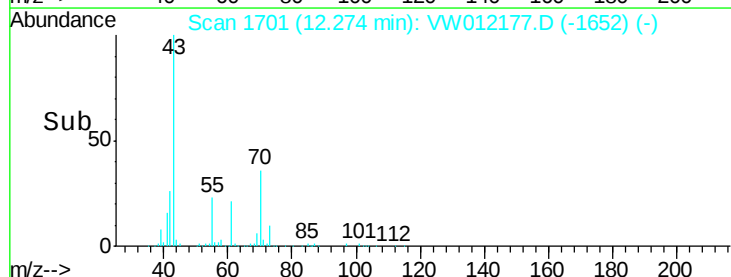
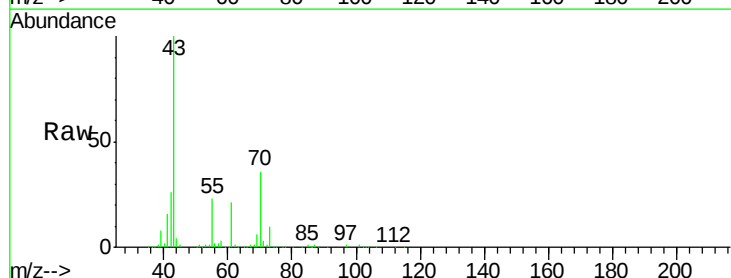
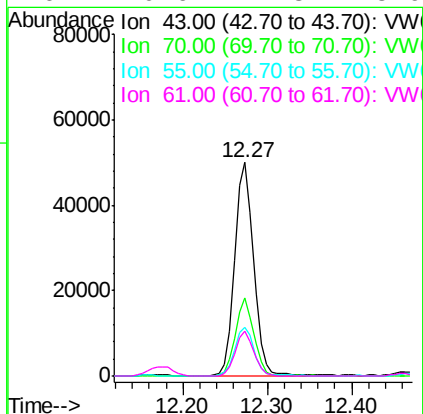
Ion Ratio Lower Upper

43 100

70 35.1 28.6 43.0

55 23.4 17.8 26.6

61 20.6 17.3 25.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.036 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

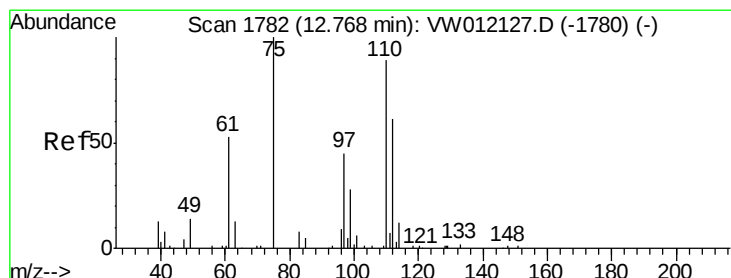
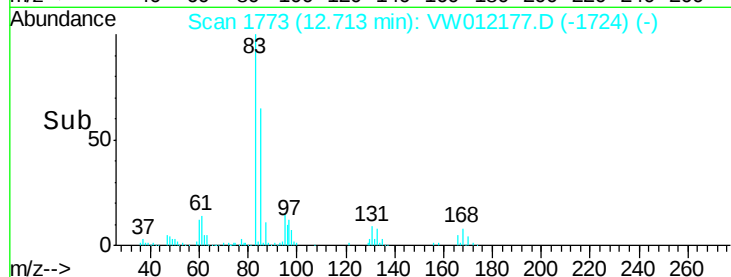
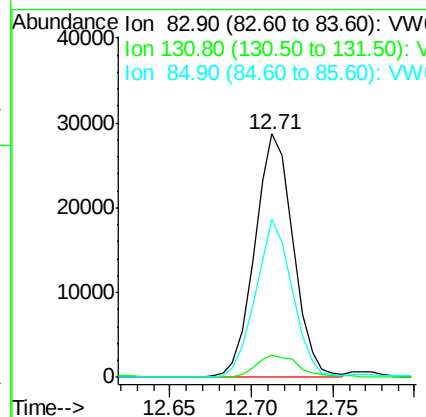
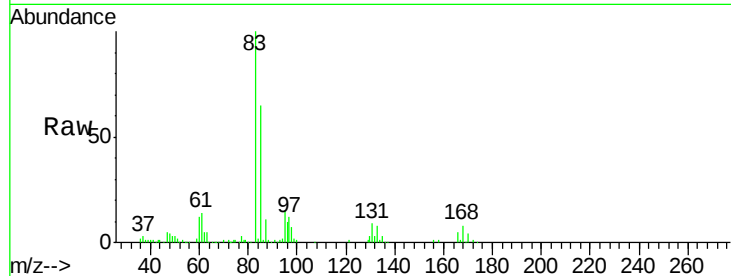
ClientSampleId :

VW0826SBSD02

Tot Ion:	83	Resp:	47012
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	62.2	31.9	95.7

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#76

1,2,3-Trichloropropane

Concen: 19.213 ug/l m

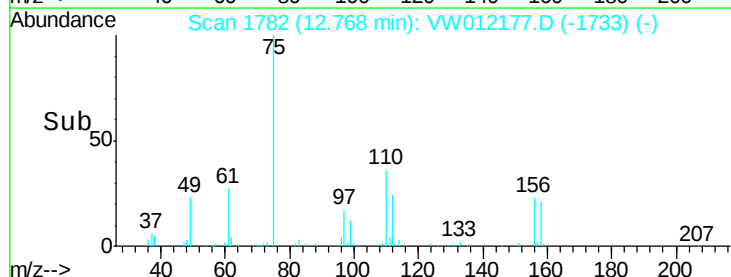
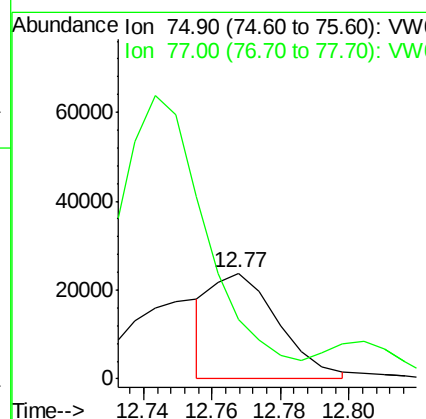
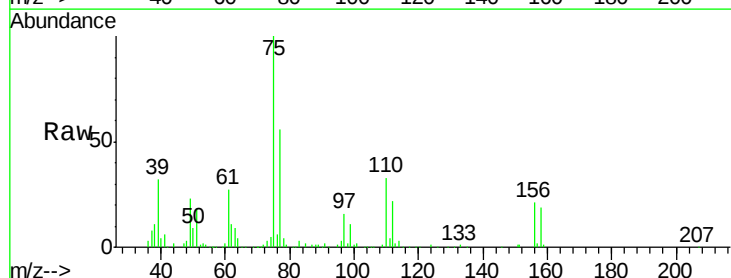
RT: 12.77 min Scan# 1782

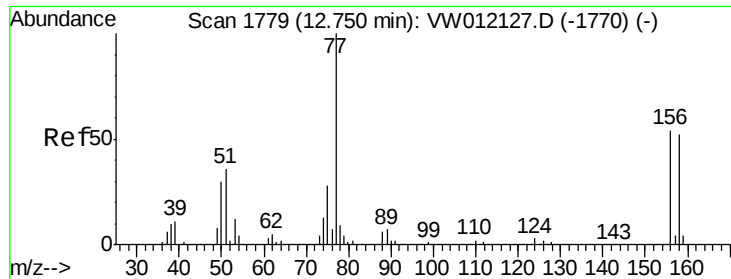
Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion:	75	Resp:	31961
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.109 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

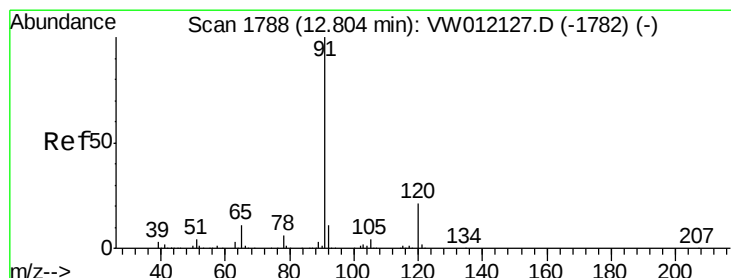
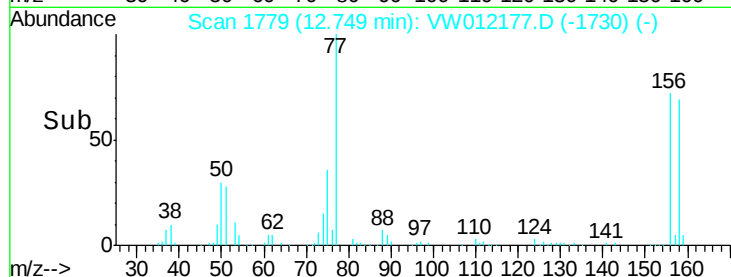
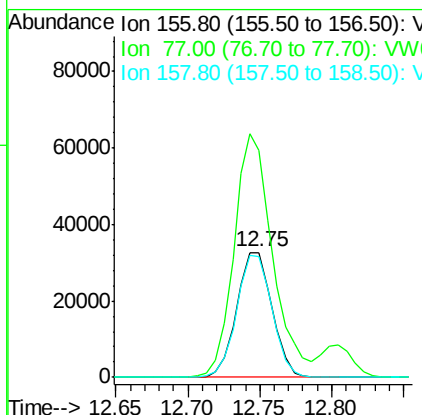
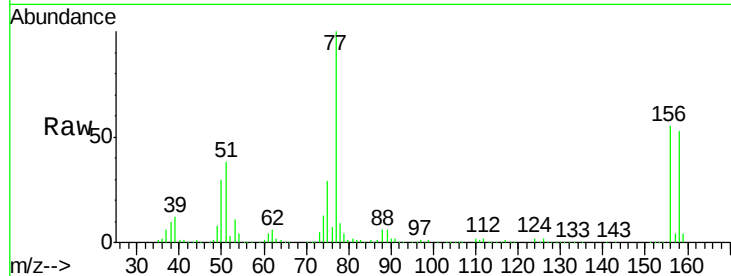
ClientSampleId :

VW0826SBSD02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	212.7	107.3	321.8	
158	97.6	49.0	147.0	

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#78

n-propylbenzene

Concen: 20.200 ug/l

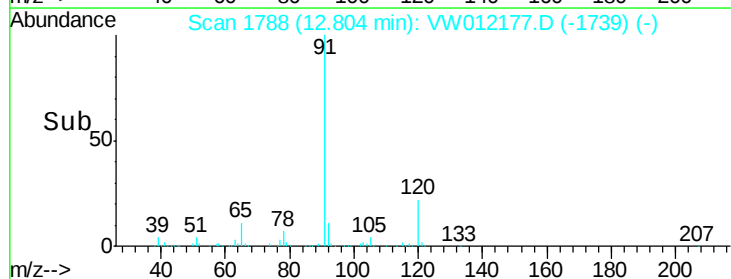
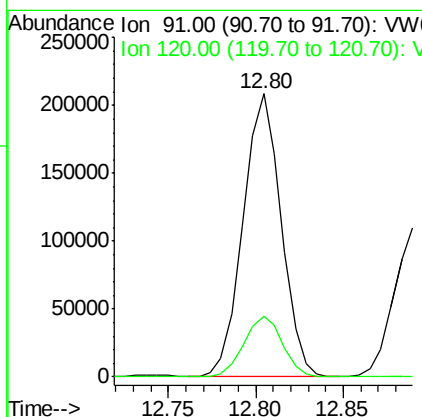
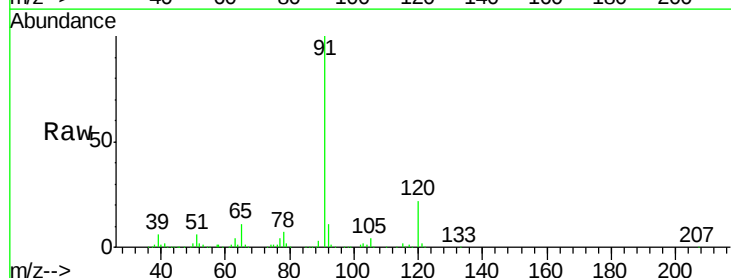
RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.5	31.6	





#79

2-Chlorotoluene

Concen: 20.162 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampled :

VW0826SBS02

Tot Ion: 91 Resp: 178850

Ion Ratio Lower Upper

91 100

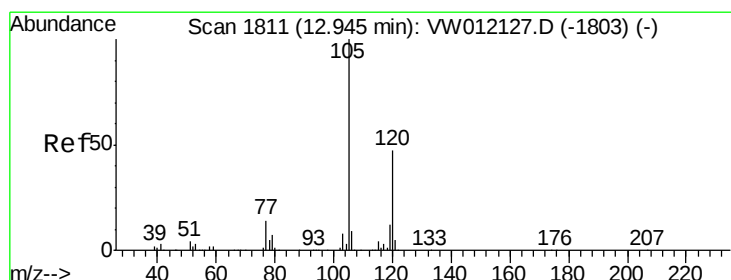
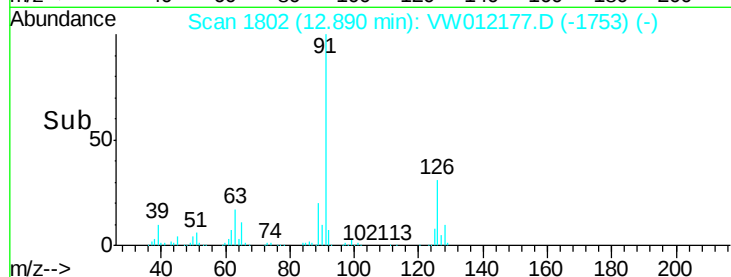
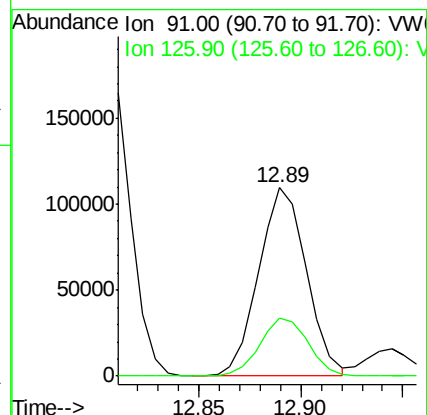
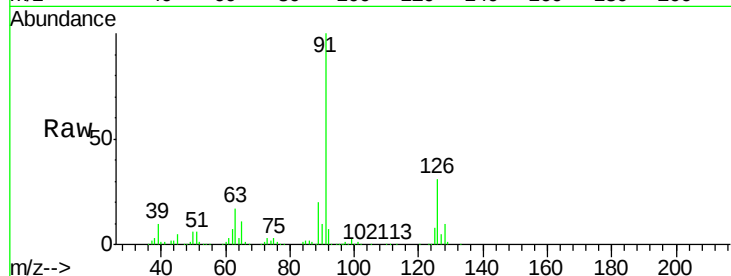
126 31.2 15.7 47.0

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#80

1,3,5-Trimethylbenzene

Concen: 20.327 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW012177.D

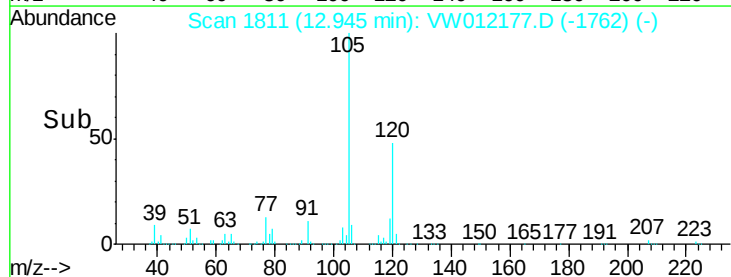
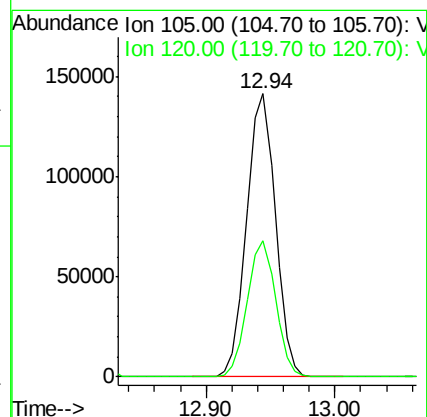
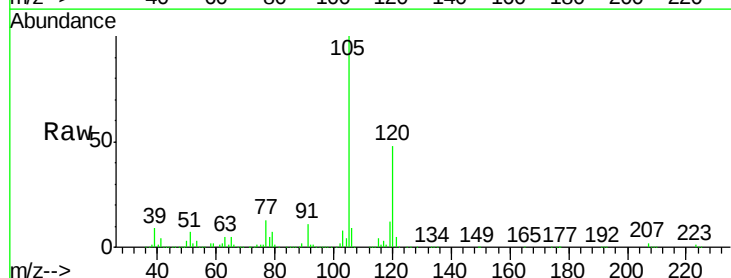
Acq: 26 Aug 2019 18:14

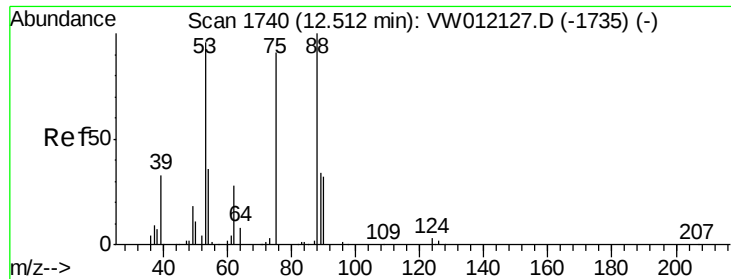
Tgt Ion: 105 Resp: 217391

Ion Ratio Lower Upper

105 100

120 47.6 24.0 72.0





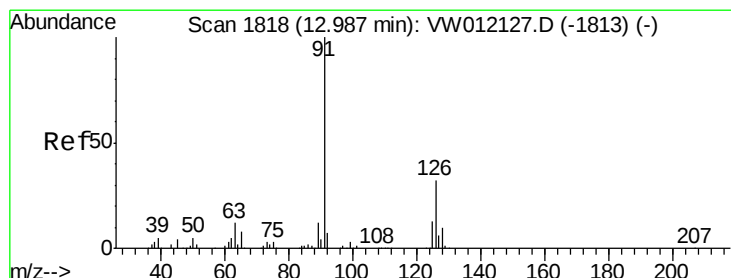
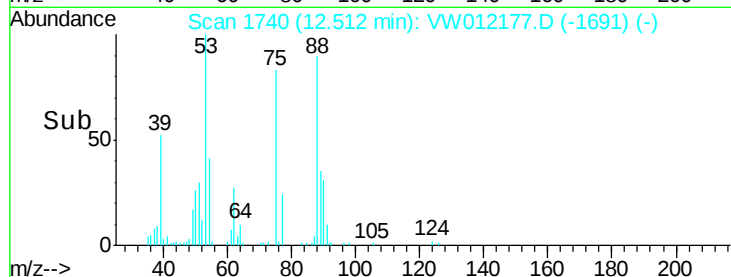
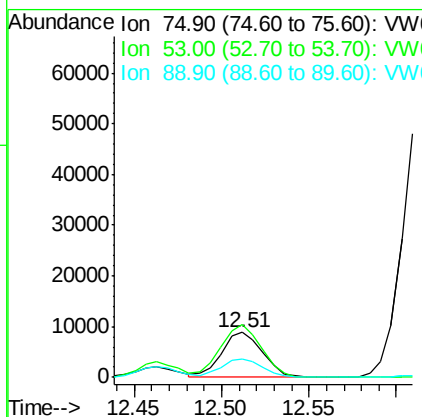
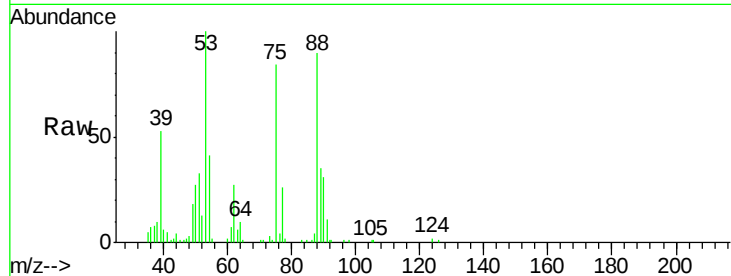
#81
trans-1,4-Dichloro-2-butene
Concen: 18.892 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.9	89.4	134.0
89	41.9	34.5	51.7

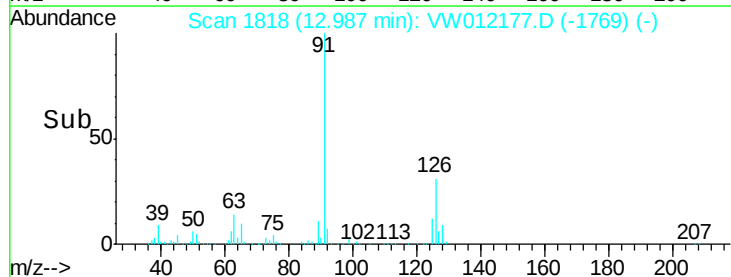
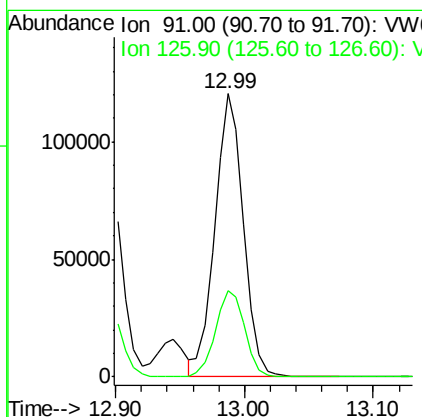
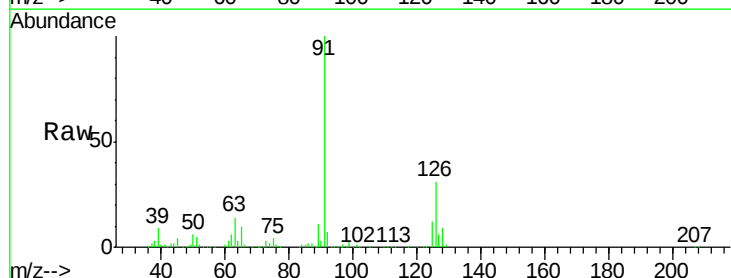
Manual Integrations
APPROVED

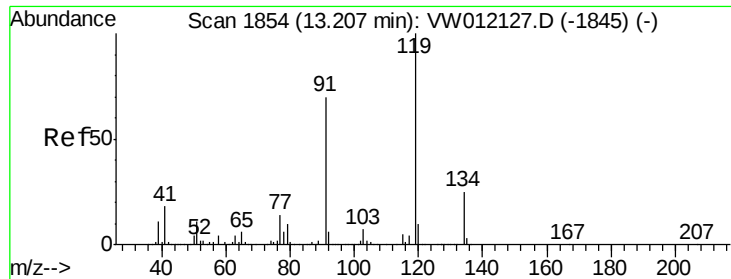
MMDadoda
8/27/2019 11:04:30 AM



#82
4-Chlorotoluene
Concen: 20.038 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.6	46.8





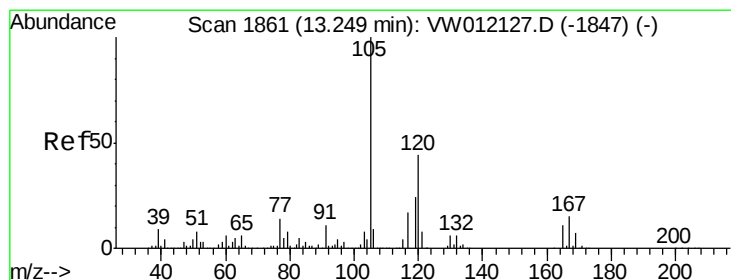
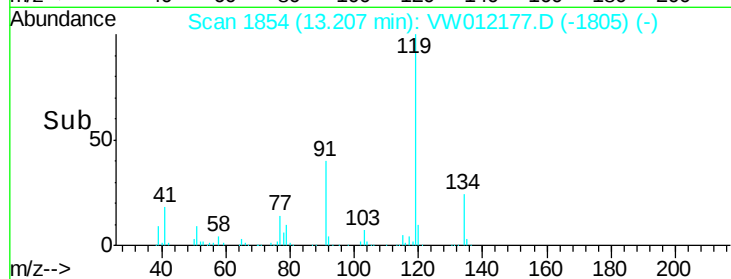
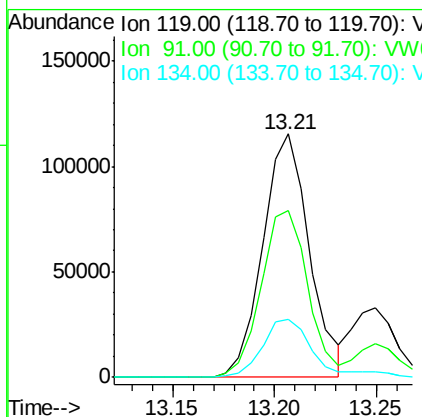
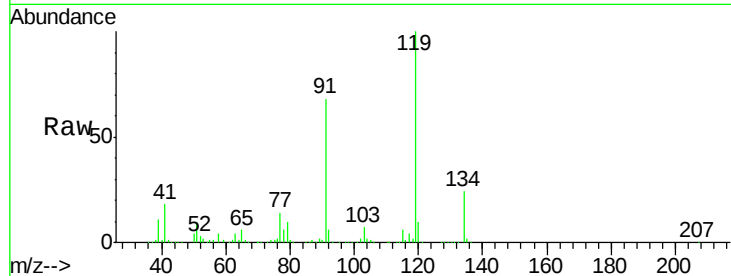
#83
tert-Butylbenzene
Concen: 20.302 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.9	34.8	104.3
134	24.5	13.3	39.8

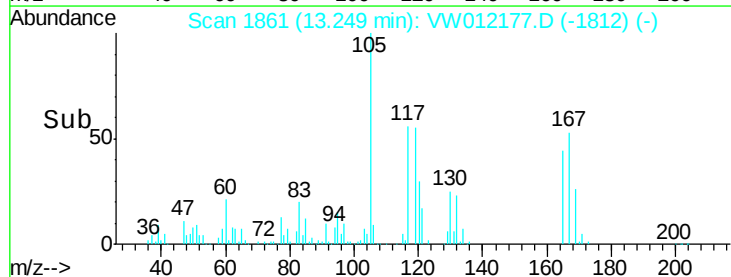
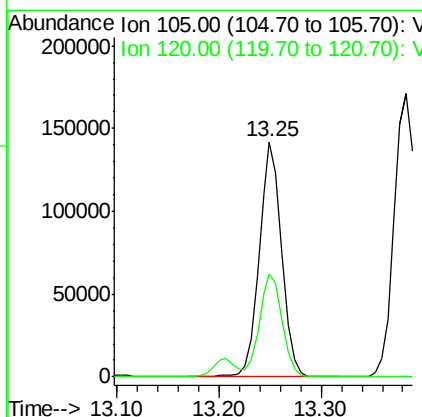
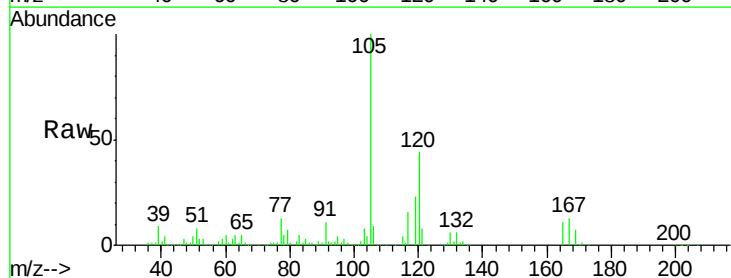
Manual Integrations
APPROVED

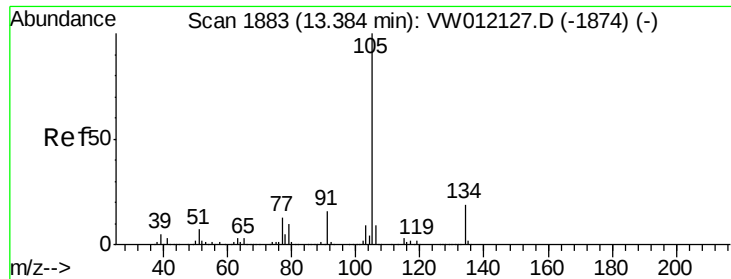
MMDadoda
8/27/2019 11:04:30 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.178 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	21.9	65.7





#85

sec-Butylbenzene

Concen: 20.143 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

ClientSampleId :

VW0826SBS02

Tot Ion:105 Resp: 261440

Ion Ratio Lower Upper

105 100

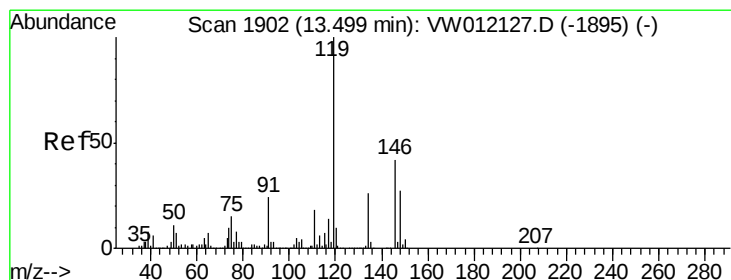
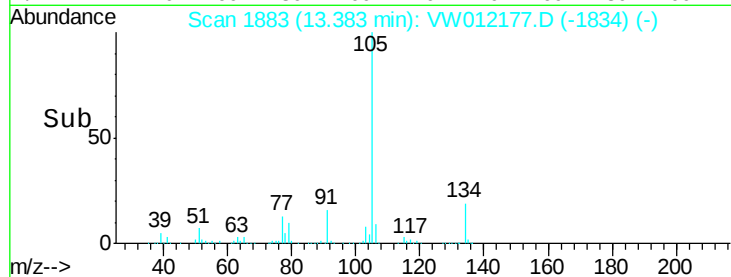
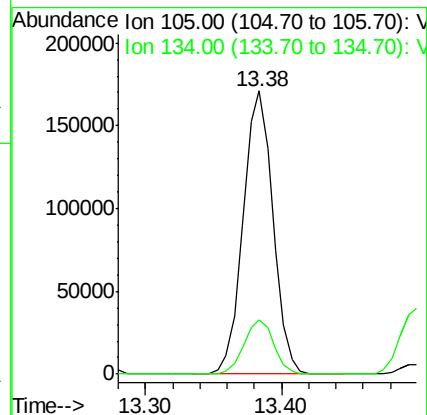
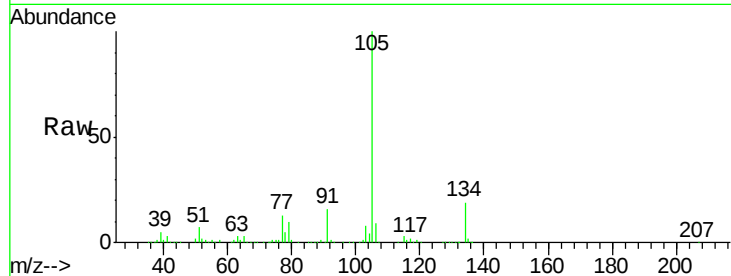
134 19.2 9.8 29.4

Manual Integrations

APPROVED

MMDadoda

8/27/2019 11:04:30 AM



#86

p-Isopropyltoluene

Concen: 20.400 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

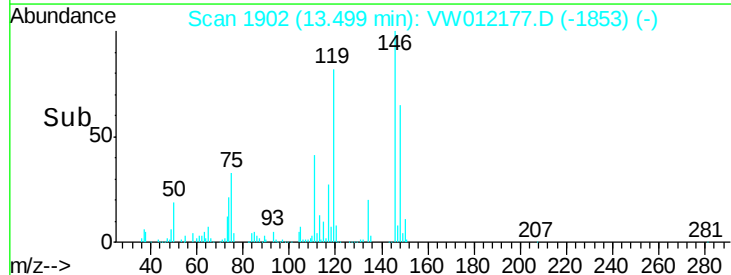
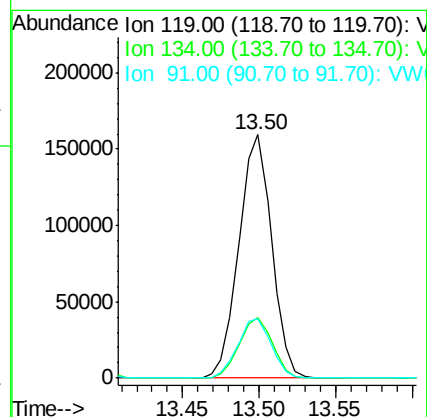
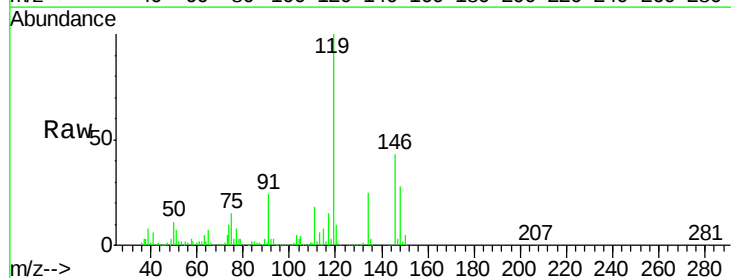
Tgt Ion:119 Resp: 236454

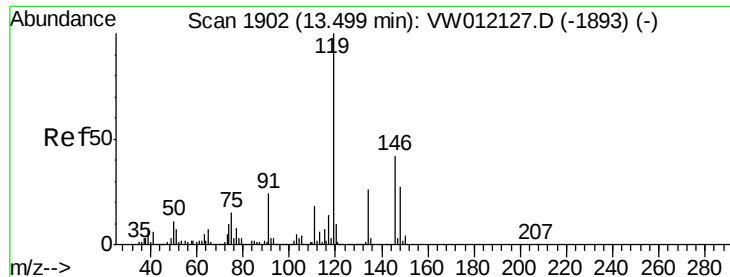
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.3

91 24.8 12.3 36.9





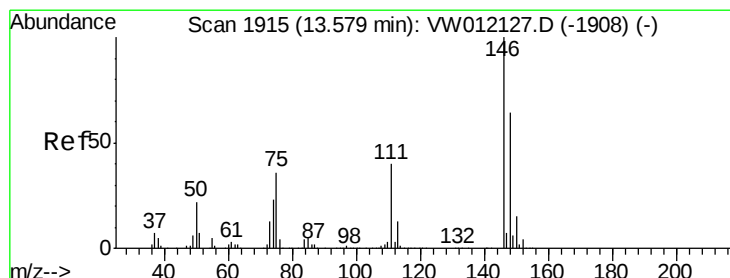
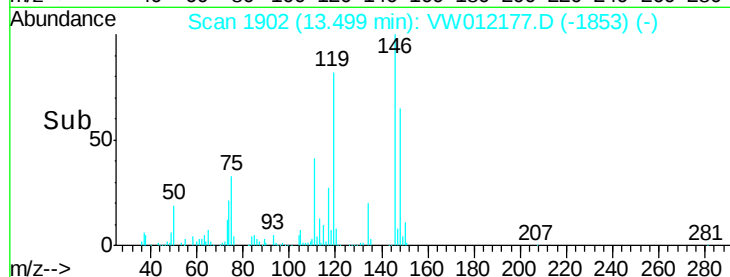
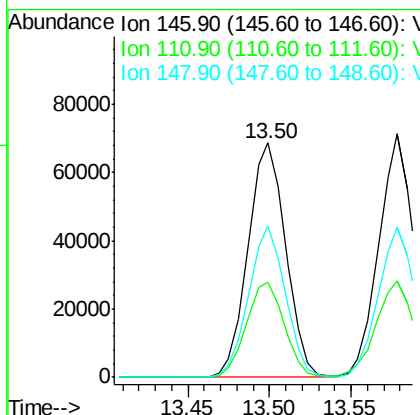
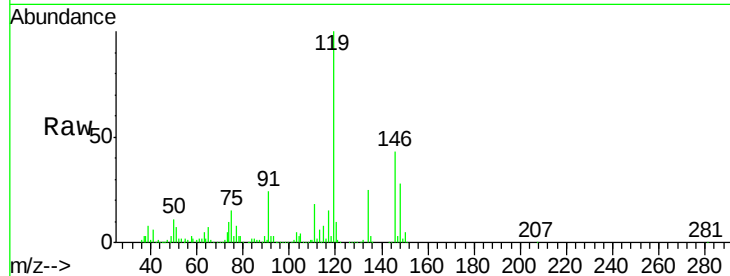
#87
 1,3-Dichlorobenzene
 Concen: 20.432 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110657		
111	41.1	20.9	62.7	
148	62.7	32.2	96.6	

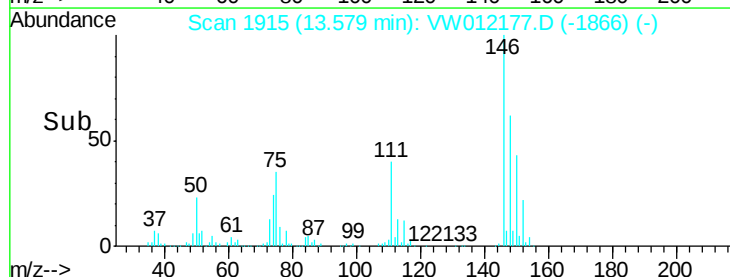
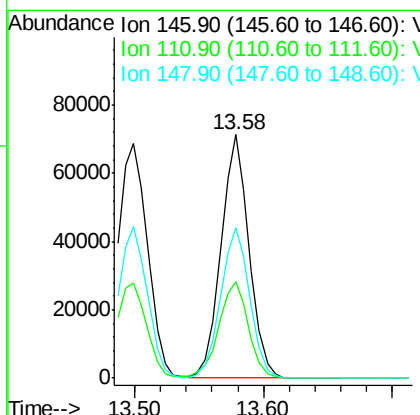
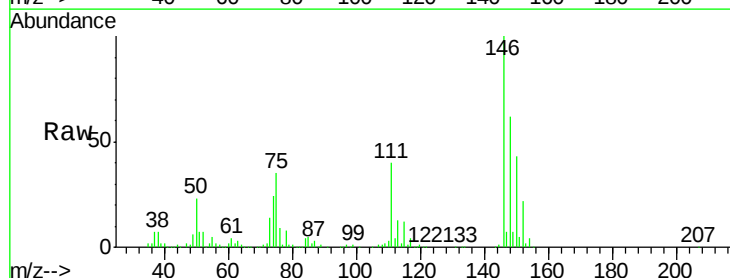
Manual Integrations
 APPROVED

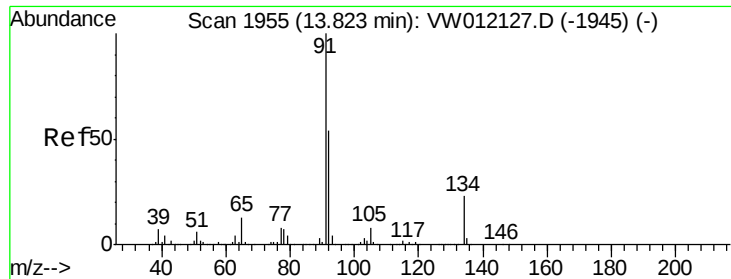
MMDadoda
 8/27/2019 11:04:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.183 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	108532		
111	42.0	20.0	60.0	
148	64.2	32.1	96.3	





#89

n-Butylbenzene

Concen: 20.551 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Instrument :

MSVOA_W

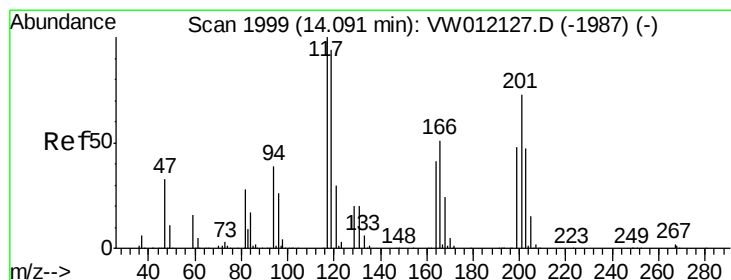
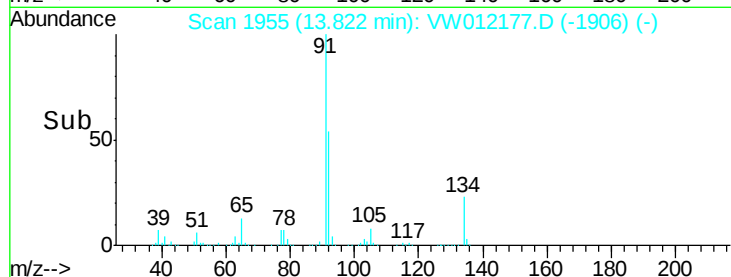
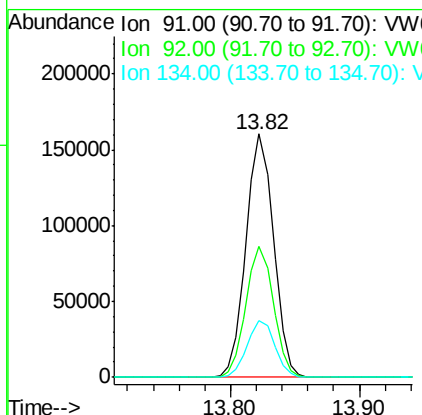
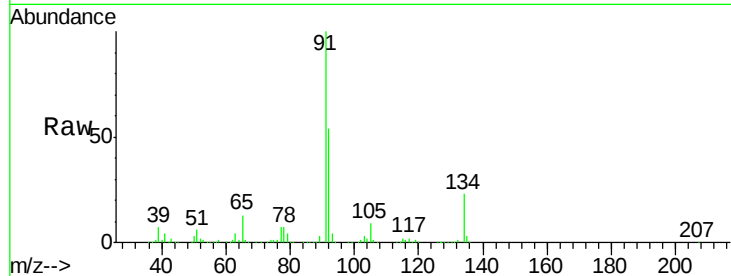
ClientSampleId :

VW0826SBS02

Tot Ion:	91	Resp:	236882
Ion Ratio	Lower	Upper	
91	100		
92	53.8	27.1	81.2
134	23.5	12.2	36.4

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#90

Hexachloroethane

Concen: 20.480 ug/l

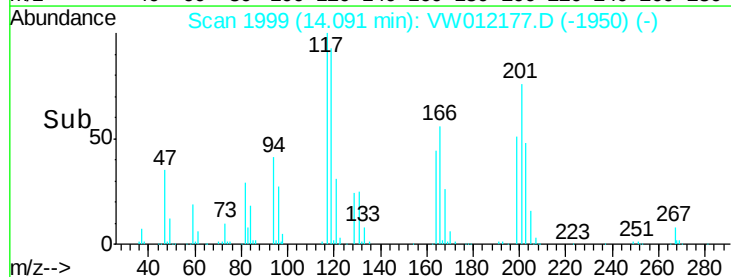
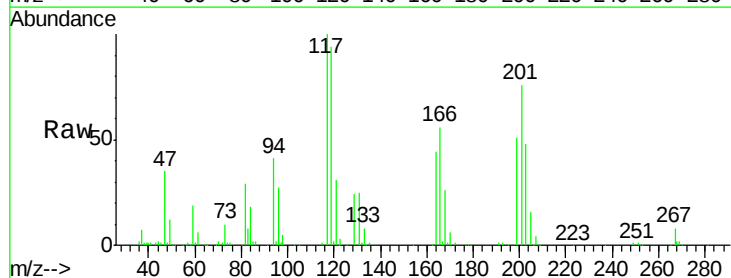
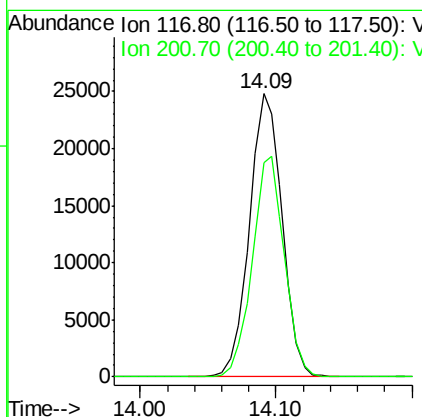
RT: 14.09 min Scan# 1999

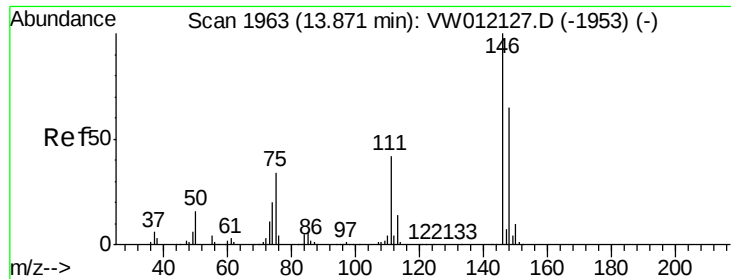
Delta R.T. -0.00 min

Lab File: VW012177.D

Acq: 26 Aug 2019 18:14

Tgt Ion:	117	Resp:	41647
Ion Ratio	Lower	Upper	
117	100		
201	76.5	38.6	115.7





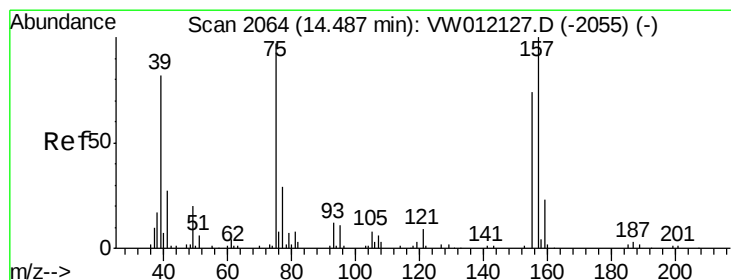
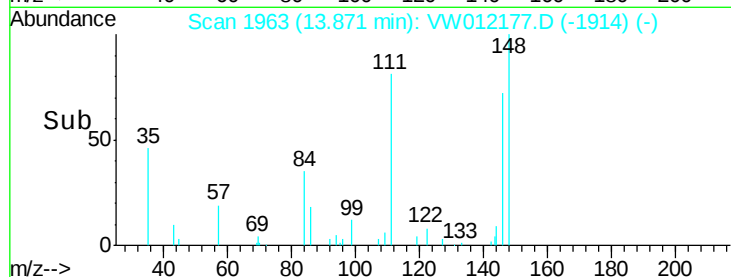
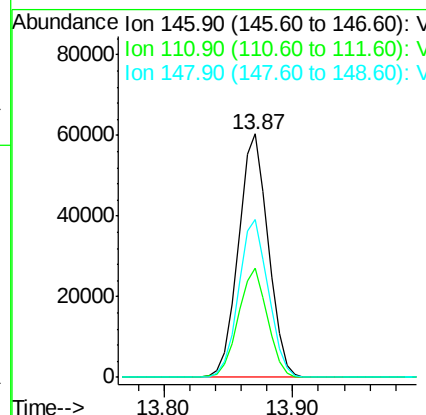
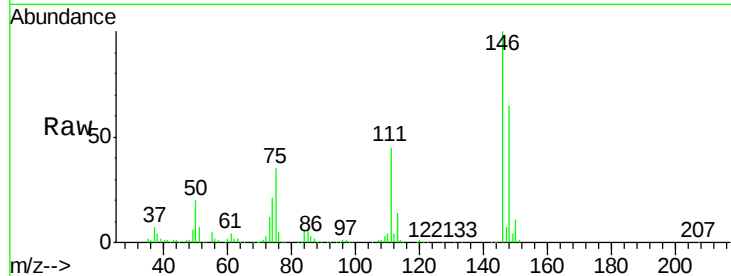
#91
 1,2-Dichlorobenzene
 Concen: 20.407 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.2	63.6
148	64.7	32.5	97.4

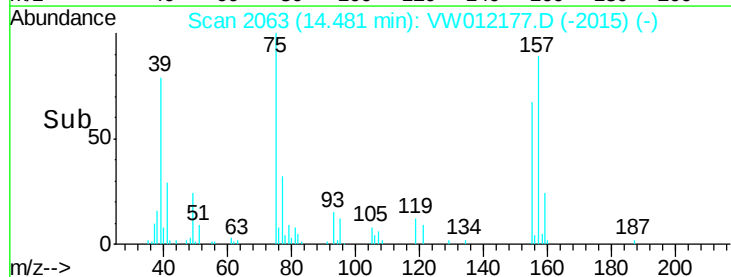
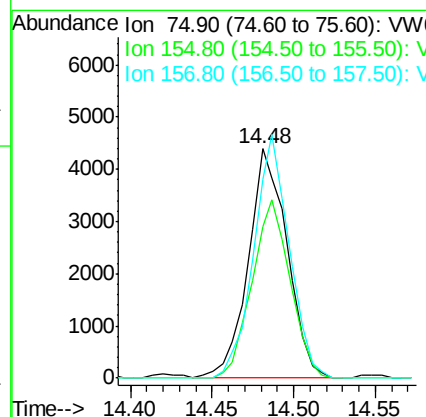
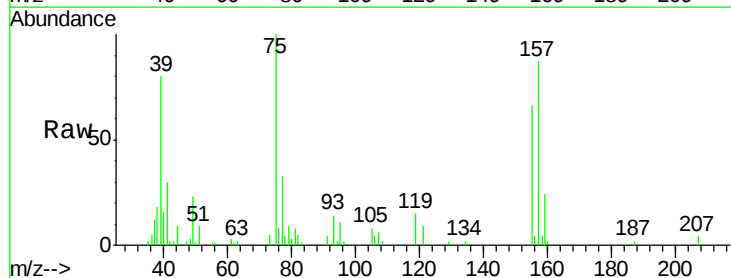
Manual Integrations
 APPROVED

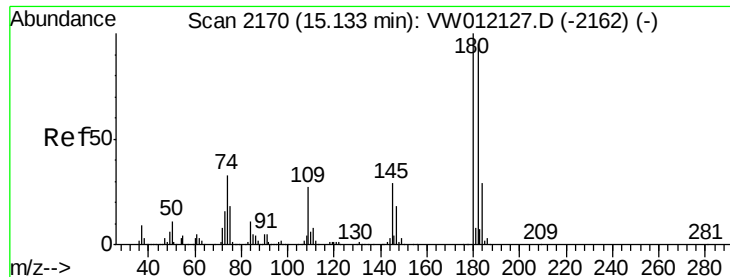
MMDadoda
 8/27/2019 11:04:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.371 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	37.5	112.3
157	97.3	50.5	151.5





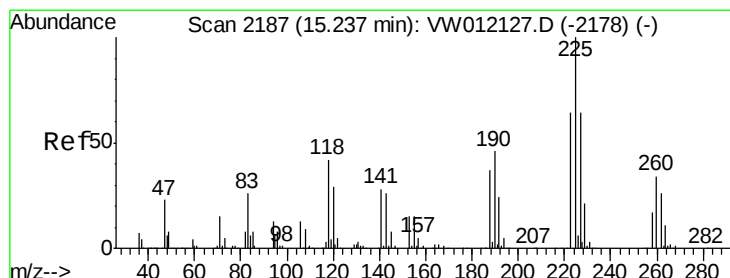
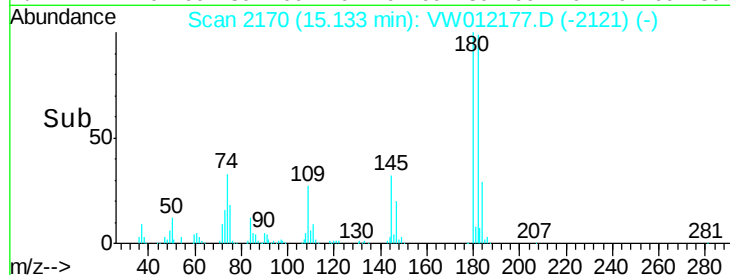
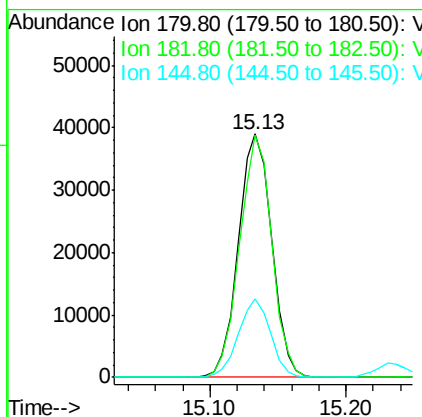
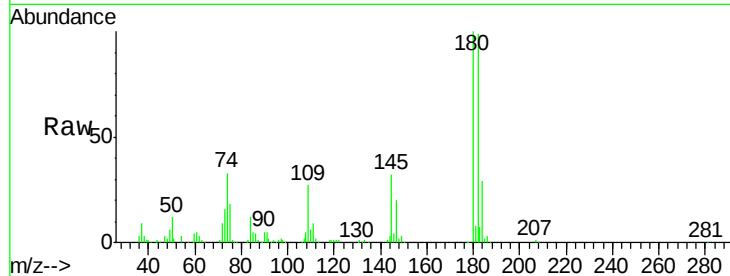
#93
 1,2,4-Trichlorobenzene
 Concen: 20.349 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0826SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	66812		
182	96.1	47.8	143.4	
145	31.0	15.0	45.1	

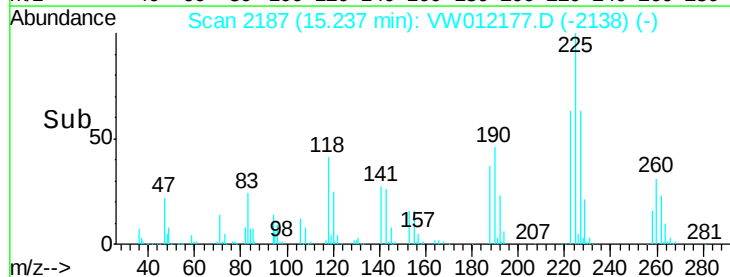
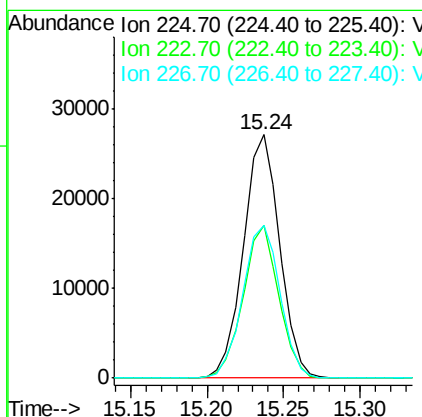
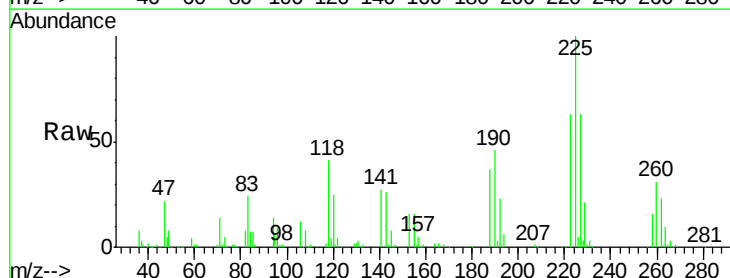
Manual Integrations
 APPROVED

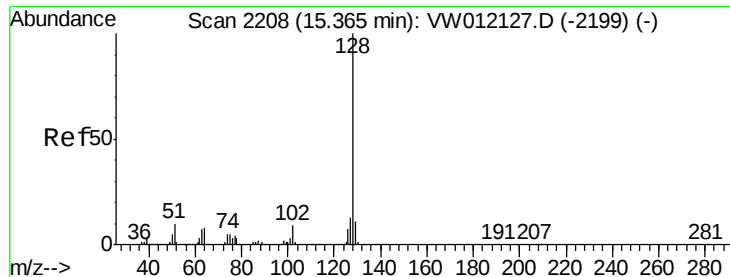
MMDadoda
 8/27/2019 11:04:30 AM



#94
 Hexachlorobutadiene
 Concen: 20.617 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012177.D
 Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44697		
223	61.6	32.3	96.8	
227	64.8	32.9	98.6	





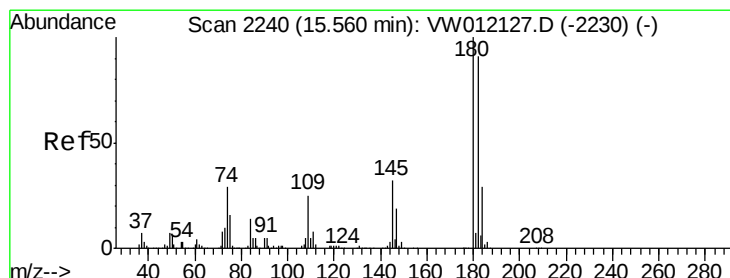
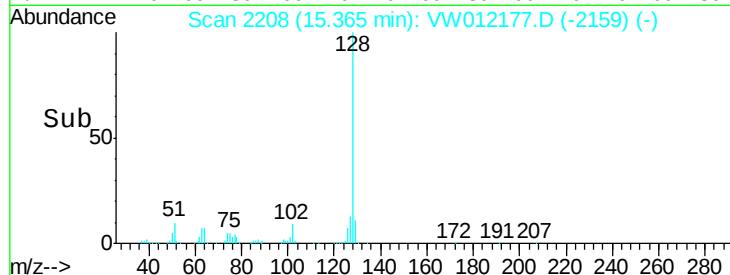
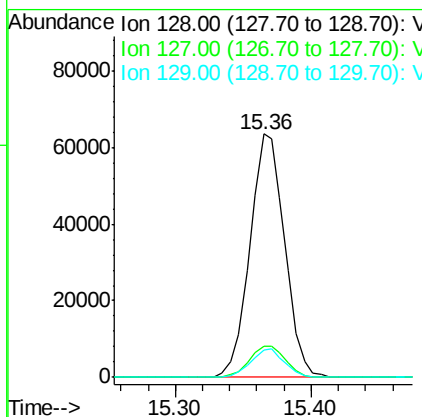
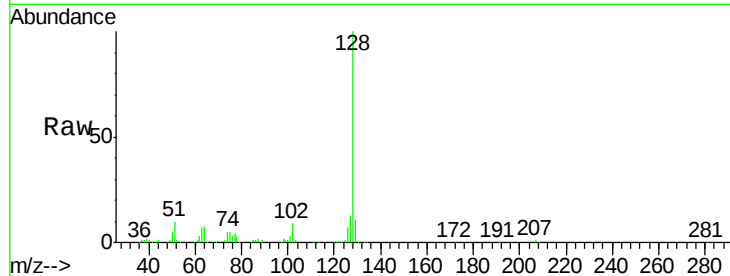
#95
Naphthalene
Concen: 20.459 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Instrument :
MSVOA_W
ClientSampleId :
VW0826SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/27/2019 11:04:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.604 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012177.D
Acq: 26 Aug 2019 18:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.1	141.3
145	31.4	16.2	48.5

