

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011030.D
 Acq On : 27 Jun 2019 22:12
 Operator : SY/VA
 Sample : VW0628SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 8:28:28 AM

Quant Time: Jun 28 09:00:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	359231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	327952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	163095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	143315	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	7.88	113	107938	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.32	98	437188	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.62	95	162010	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35252	22.444	ug/l	97
3) Chloromethane	2.21	50	45203	21.468	ug/l	97
4) Vinyl Chloride	2.36	62	56428	20.582	ug/l	99
5) Bromomethane	2.76	94	29206	21.402	ug/l	97
6) Chloroethane	2.91	64	30202	20.895	ug/l	98
7) Trichlorofluoromethane	3.25	101	14390	17.861	ug/l	99
8) Diethyl Ether	3.67	74	30200	23.669	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	46335	20.449	ug/l	99
10) Methyl Iodide	4.27	142	69305	21.862	ug/l	99
11) Tert butyl alcohol	5.17	59	22222	112.334	ug/l	99
12) 1,1-Dichloroethene	4.03	96	47212	20.018	ug/l	97
13) Acrolein	3.89	56	14724	95.448	ug/l	95
14) Allyl chloride	4.66	41	78917	20.790	ug/l	100
15) Acrylonitrile	5.36	53	72585	115.523	ug/l	99
16) Acetone	4.12	43	70366	105.837	ug/l	97
17) Carbon Disulfide	4.38	76	135154	20.199	ug/l	99
18) Methyl Acetate	4.67	43	45317	26.313	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	79052	23.681	ug/l	95
20) Methylene Chloride	4.91	84	60193	22.283	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	51093	21.023	ug/l	99
22) Diisopropyl ether	6.31	45	207381	22.702	ug/l	98
23) Vinyl Acetate	6.25	43	606701	107.791	ug/l	99
24) 1,1-Dichloroethane	6.21	63	104300	21.631	ug/l	99
25) 2-Butanone	7.17	43	112906	111.722	ug/l	99
26) 2,2-Dichloropropane	7.16	77	44606	17.818	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	56648	21.648	ug/l	99
28) Bromochloromethane	7.51	49	45839	20.421	ug/l	98
29) Tetrahydrofuran	7.52	42	73950	117.547	ug/l	99
30) Chloroform	7.67	83	94591	21.593	ug/l	98
31) Cyclohexane	7.95	56	105615	20.271	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66899	20.437	ug/l	99
36) 1,1-Dichloropropene	8.08	75	75558	19.569	ug/l	99
37) Ethyl Acetate	7.25	43	50232	22.363	ug/l	99
38) Carbon Tetrachloride	8.06	117	61615	19.378	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
 Data File : VW011030.D
 Acq On : 27 Jun 2019 22:12
 Operator : SY/VA
 Sample : VW0628SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 8:28:28 AM

Quant Time: Jun 28 09:00:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	92278	19.420	ug/l	99
40) Benzene	8.32	78	220719	20.784	ug/l	99
41) Methacrylonitrile	7.48	41	26779	19.596	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	75635	21.722	ug/l	99
43) Isopropyl Acetate	8.42	43	94731	22.294	ug/l	99
44) Trichloroethene	9.09	130	51858	20.205	ug/l	98
45) 1,2-Dichloropropane	9.37	63	60573	21.004	ug/l	97
46) Dibromomethane	9.45	93	29559	21.916	ug/l	99
47) Bromodichloromethane	9.64	83	70046	20.976	ug/l	100
48) Methyl methacrylate	9.43	41	44895	21.791	ug/l	97
49) 1,4-Dioxane	9.44	88	10327	455.389	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	250638	112.056	ug/l	100
52) Toluene	10.38	92	133873	20.590	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	71072	20.434	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	86701	20.896	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	41258	21.652	ug/l	97
56) Ethyl methacrylate	10.65	69	63182	22.143	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78614	21.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	140548	97.350	ug/l	100
59) 2-Hexanone	10.97	43	174838	112.089	ug/l	99
60) Dibromochloromethane	11.13	129	42259	21.149	ug/l	99
61) 1,2-Dibromoethane	11.23	107	38657	21.670	ug/l	100
64) Tetrachloroethene	10.86	164	50297	22.286	ug/l	94
65) Chlorobenzene	11.66	112	135673	20.210	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	47130	20.678	ug/l	99
67) Ethyl Benzene	11.73	91	258666	20.118	ug/l	99
68) m/p-Xylenes	11.84	106	186595	39.994	ug/l	100
69) o-Xylene	12.16	106	88447	20.353	ug/l	98
70) Styrene	12.18	104	155874	20.641	ug/l	99
71) Bromoform	12.35	173	23122	20.809	ug/l #	98
73) Isopropylbenzene	12.46	105	241233	19.744	ug/l	99
74) N-amyl acetate	12.27	43	88506	21.569	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51000	21.256	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41567m	24.141	ug/l	
77) Bromobenzene	12.75	156	54404	20.258	ug/l	99
78) n-propylbenzene	12.80	91	296213	19.577	ug/l	99
79) 2-Chlorotoluene	12.89	91	173574	20.080	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	206187	19.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14150	20.153	ug/l	96
82) 4-Chlorotoluene	12.99	91	183852	20.410	ug/l	98
83) tert-Butylbenzene	13.21	119	170878	19.787	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	212227	20.275	ug/l	99
85) sec-Butylbenzene	13.38	105	246482	19.648	ug/l	99
86) p-Isopropyltoluene	13.50	119	219703	19.462	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	107644	20.263	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	107317	20.237	ug/l	99
89) n-Butylbenzene	13.82	91	222556	19.396	ug/l	99
90) Hexachloroethane	14.09	117	36695	18.997	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	100129	20.986	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8563	21.000	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062819\
Data File : VW011030.D
Acq On : 27 Jun 2019 22:12
Operator : SY/VA
Sample : VW0628SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

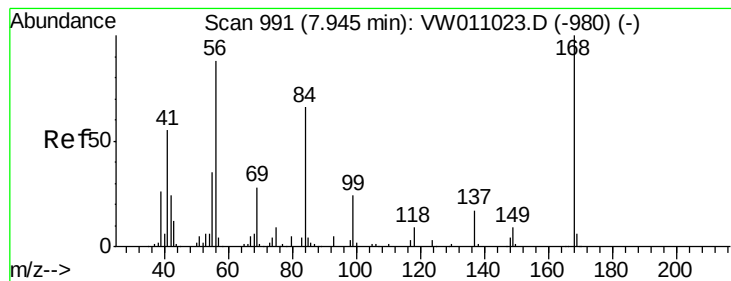
Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM

Quant Time: Jun 28 09:00:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	69214	20.618	ug/l	98
94) Hexachlorobutadiene	15.24	225	39744	19.520	ug/l	99
95) Naphthalene	15.37	128	139900	22.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	63879	21.311	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: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion:168 Resp: 208355

Ion Ratio Lower Upper

168 100

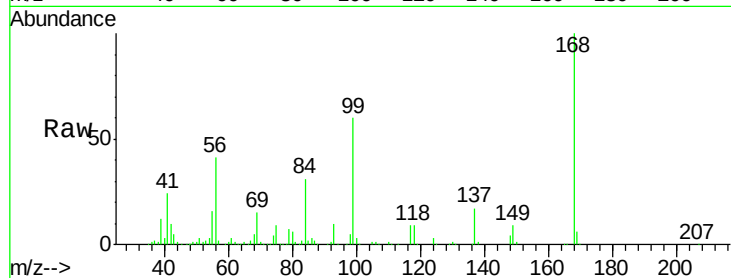
99 59.5 47.8 71.6

Manual Integrations

APPROVED

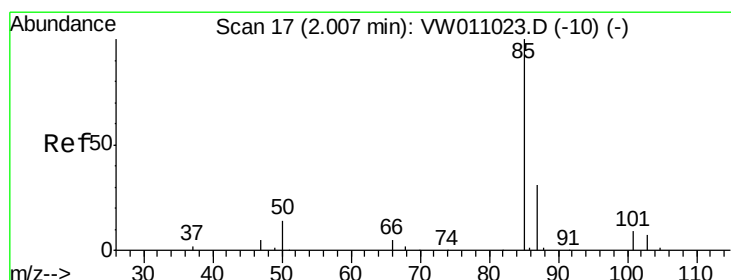
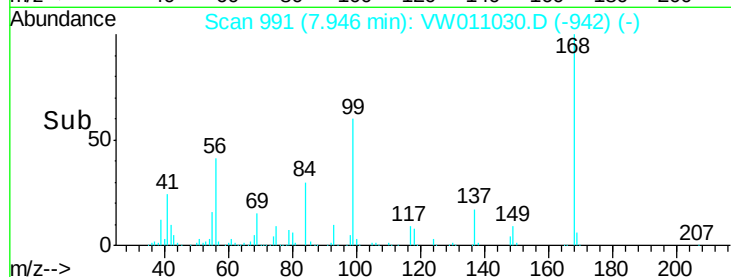
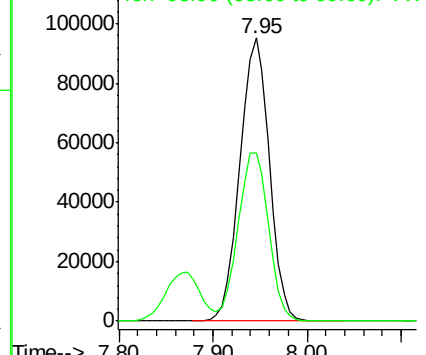
MMDadoda

7/2/2019 8:28:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.444 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011030.D

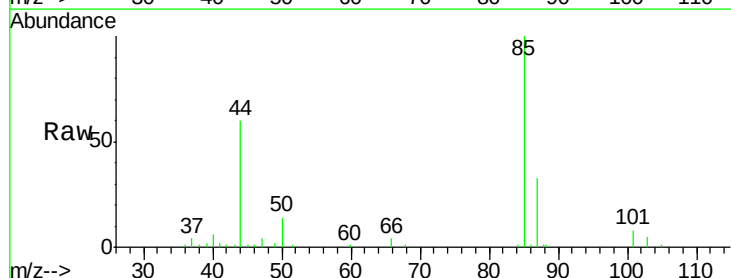
Acq: 27 Jun 2019 22:12

Tgt Ion: 85 Resp: 35252

Ion Ratio Lower Upper

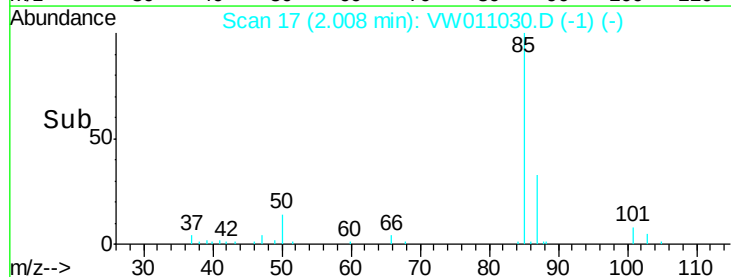
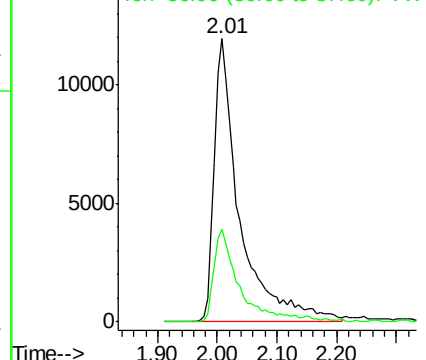
85 100

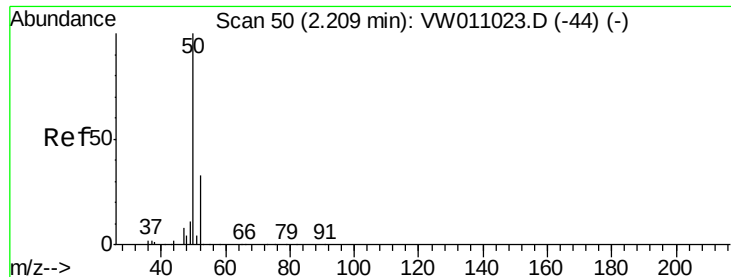
87 32.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.468 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion: 50 Resp: 45203

Ion Ratio Lower Upper

50 100

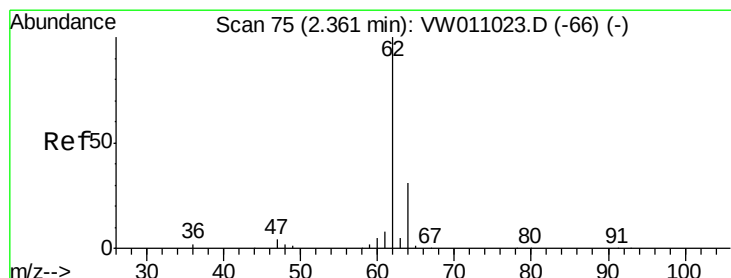
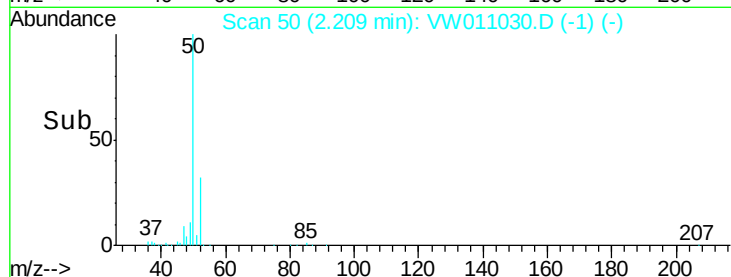
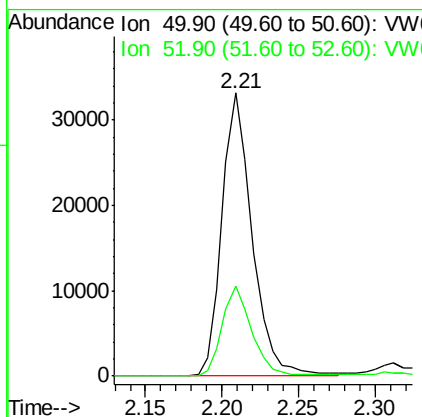
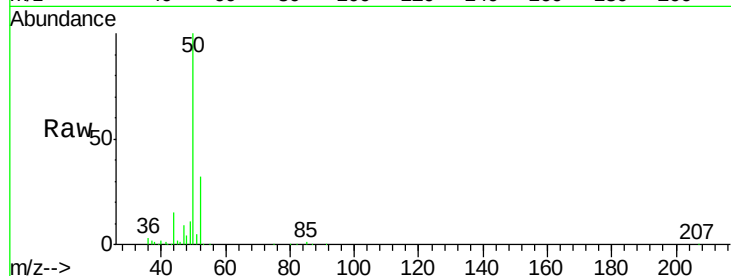
52 31.8 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

7/2/2019 8:28:28 AM



#4

Vinyl Chloride

Concen: 20.582 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011030.D

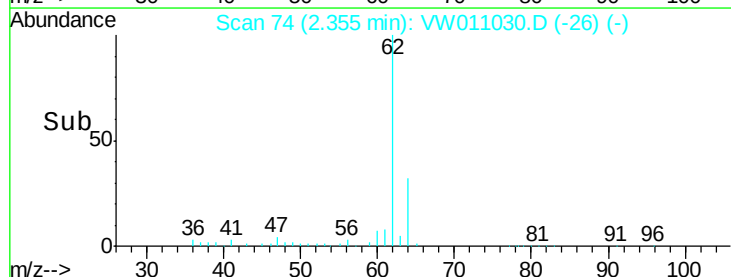
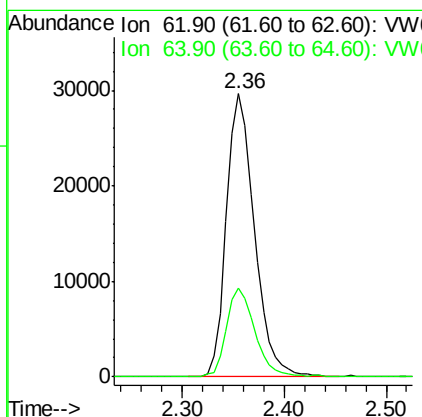
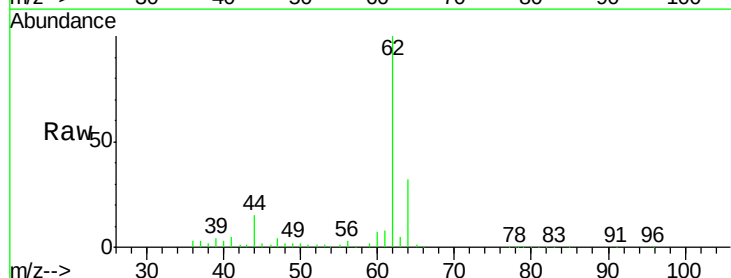
Acq: 27 Jun 2019 22:12

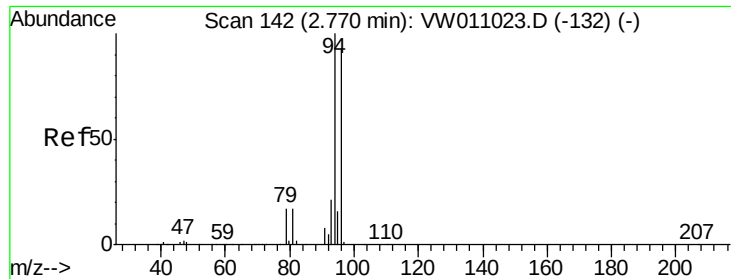
Tgt Ion: 62 Resp: 56428

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 21.402 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion: 94 Resp: 29206

Ion Ratio Lower Upper

94 100

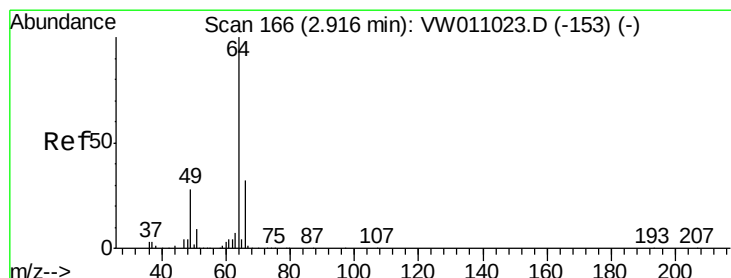
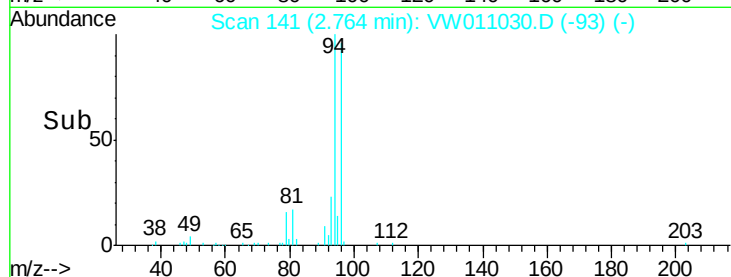
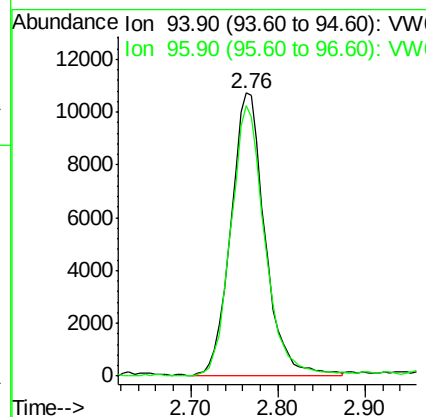
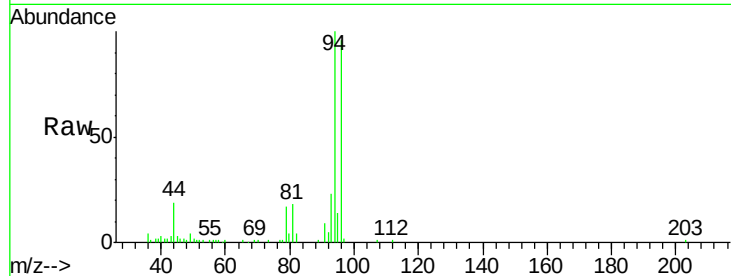
96 95.8 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

7/2/2019 8:28:28 AM



#6

Chloroethane

Concen: 20.895 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011030.D

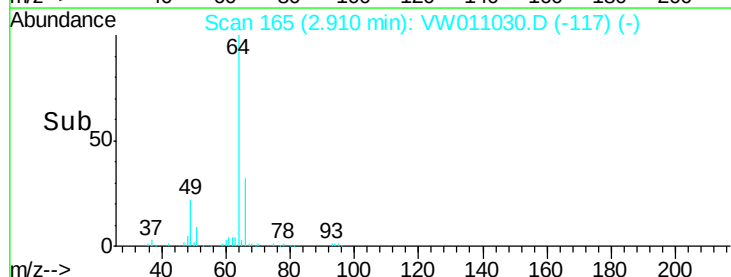
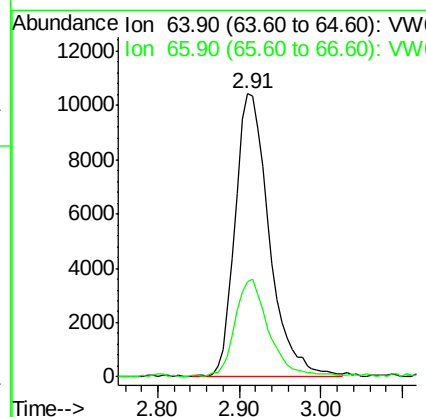
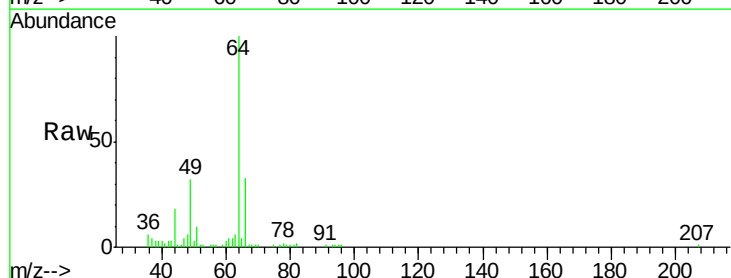
Acq: 27 Jun 2019 22:12

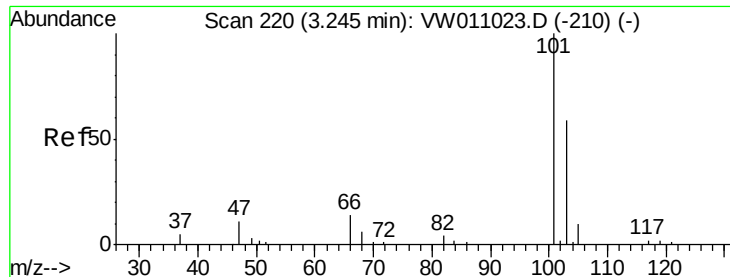
Tgt Ion: 64 Resp: 30202

Ion Ratio Lower Upper

64 100

66 33.0 25.7 38.5





#7

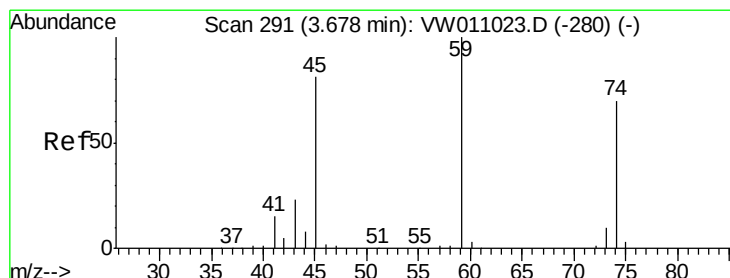
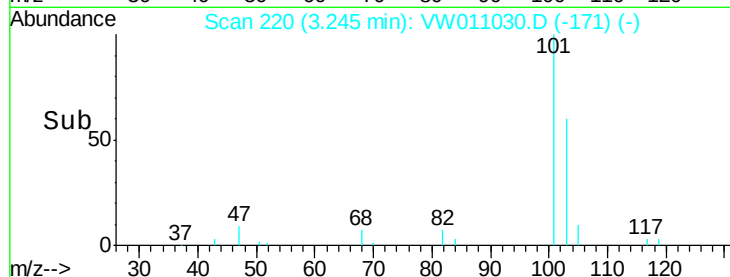
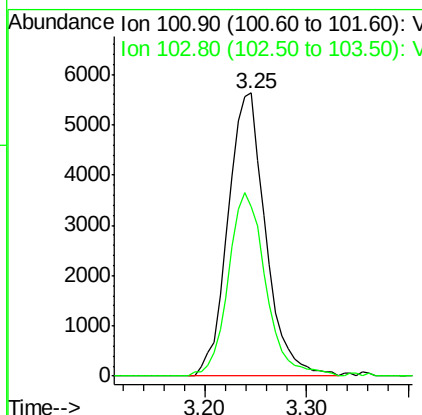
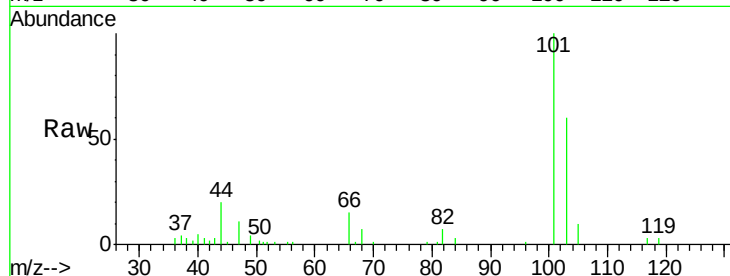
Trichlorofluoromethane
 Concen: 17.861 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	47.5	71.3

Manual Integrations
 APPROVED

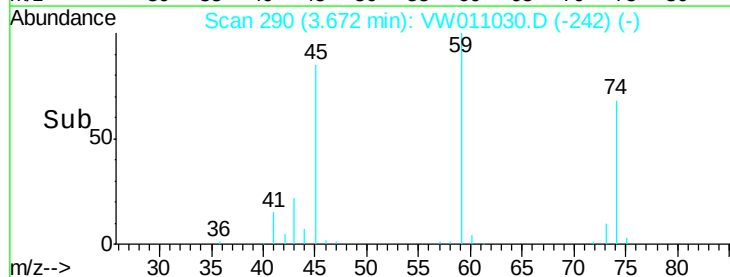
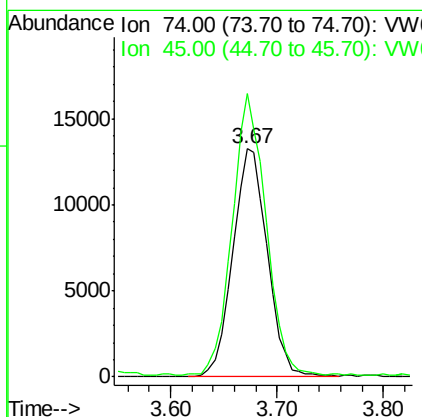
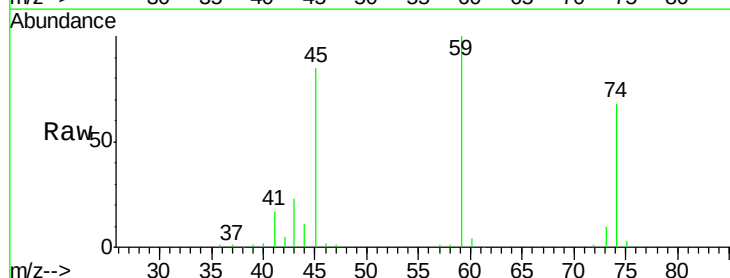
MMDadoda
 7/2/2019 8:28:28 AM

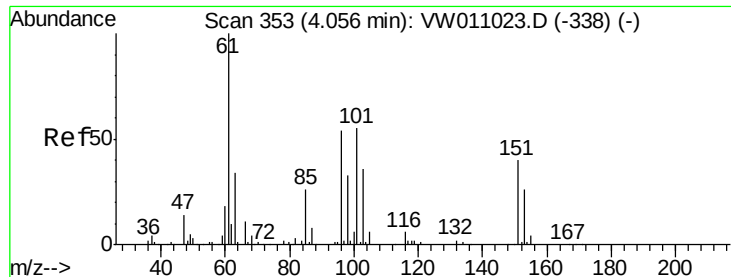


#8

Diethyl Ether
 Concen: 23.669 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.7	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.449 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

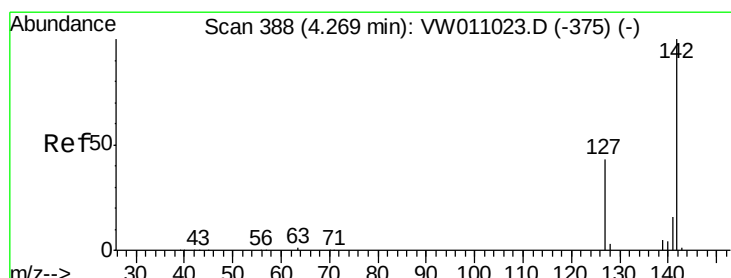
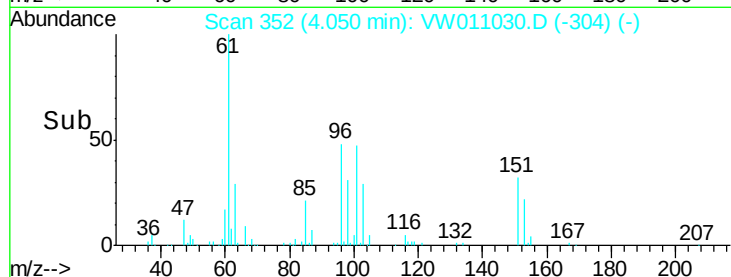
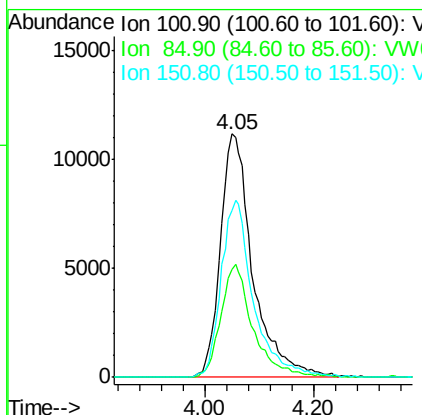
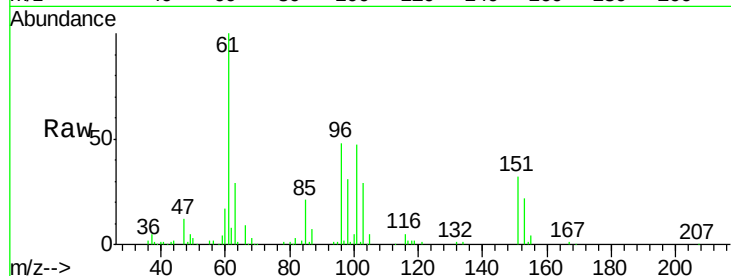
ClientSampleId :

VW0628SBS01

Tot Ion:	101	Resp:	46335
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.6	55.0
151	72.6	58.9	88.3

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#10

Methyl Iodide

Concen: 21.862 ug/l

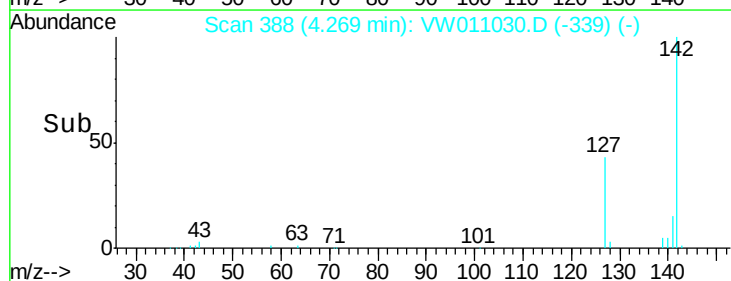
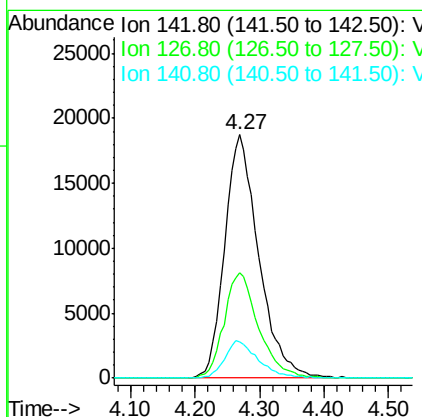
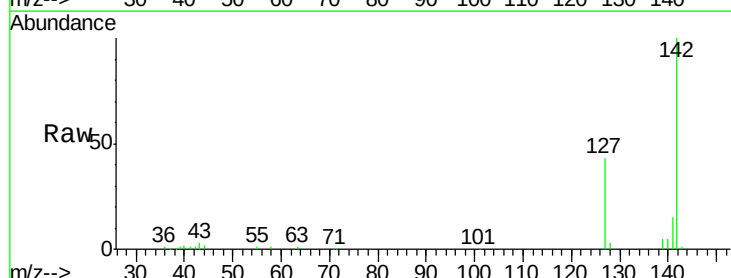
RT: 4.27 min Scan# 388

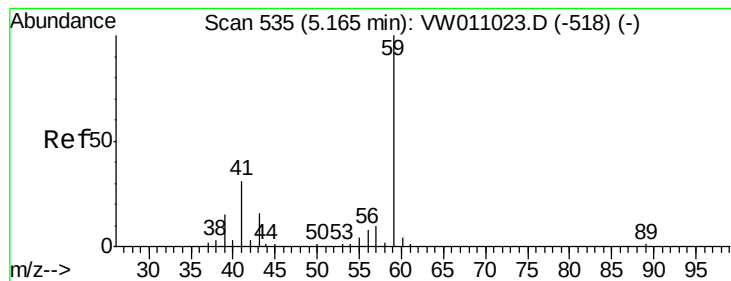
Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion:	142	Resp:	69305
Ion Ratio	Lower	Upper	
142	100		
127	43.8	35.8	53.8
141	15.0	12.2	18.2





#11

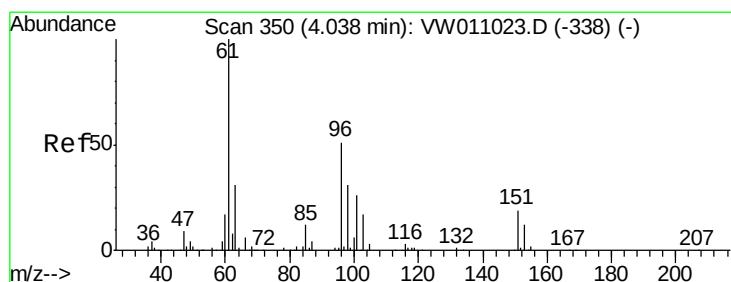
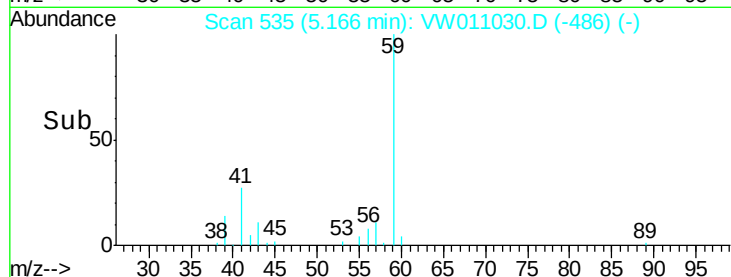
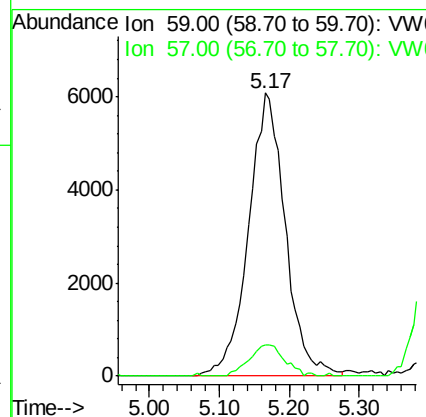
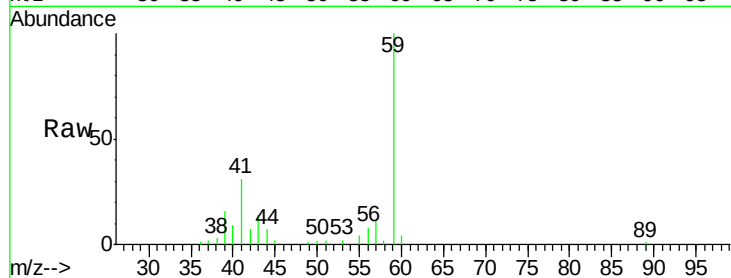
Tert butyl alcohol
 Concen: 112.334 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.4

Manual Integrations
 APPROVED

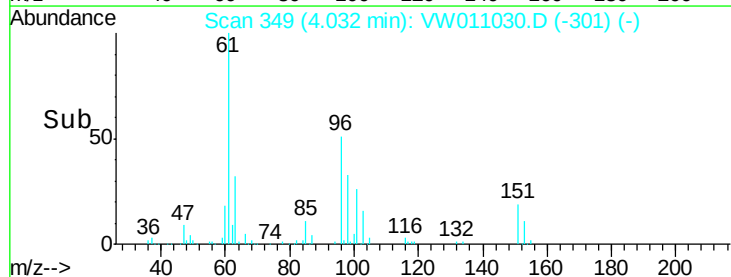
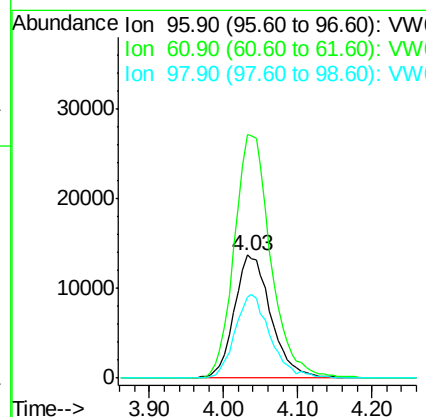
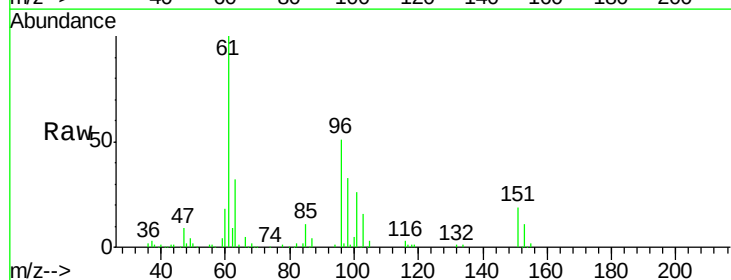
MMDadoda
 7/2/2019 8:28:28 AM

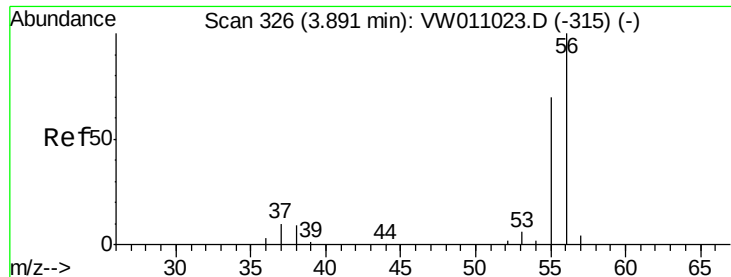


#12

1,1-Dichloroethene
 Concen: 20.018 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.8	156.0	234.0
98	66.0	48.7	73.1





#13

Acrolein

Concen: 95.448 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion: 56 Resp: 14724

Ion Ratio Lower Upper

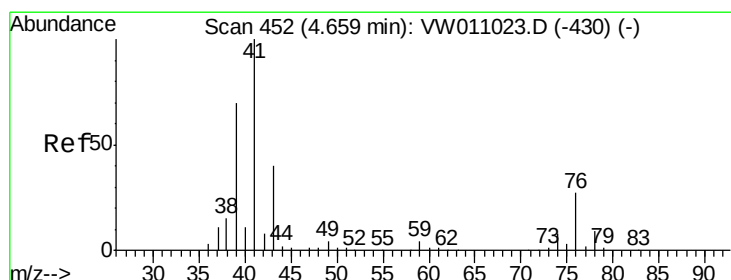
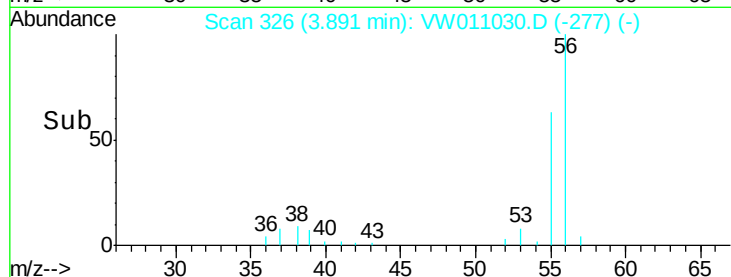
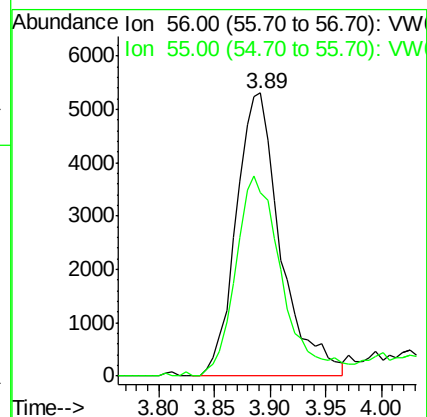
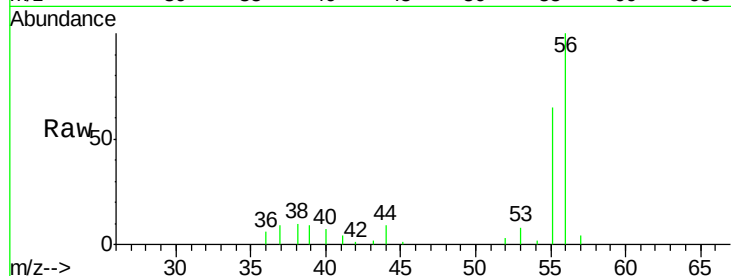
56 100

55 74.0 55.7 83.5

Manual Integrations
APPROVED

MMDadoda

7/2/2019 8:28:28 AM



#14

Allyl chloride

Concen: 20.790 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

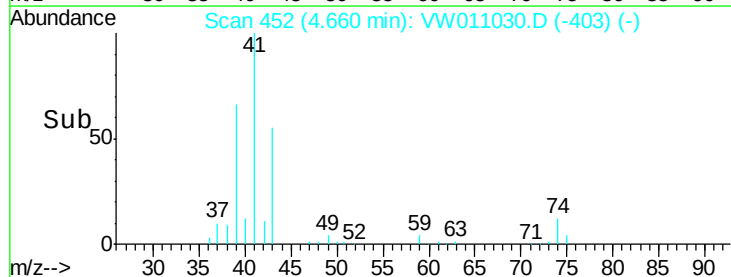
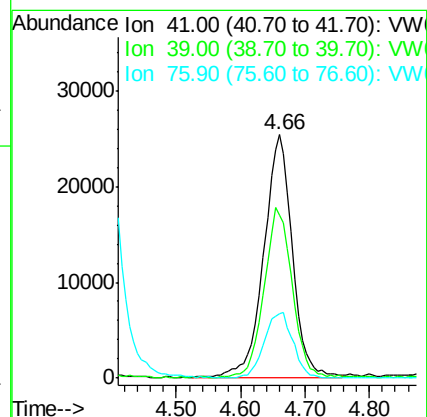
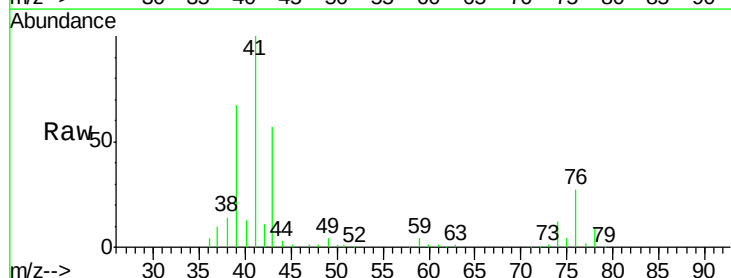
Tgt Ion: 41 Resp: 78917

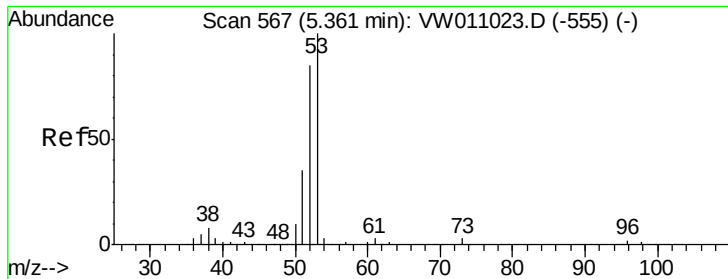
Ion Ratio Lower Upper

41 100

39 69.2 55.4 83.2

76 26.8 22.0 33.0





#15

Acrylonitrile

Concen: 115.523 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

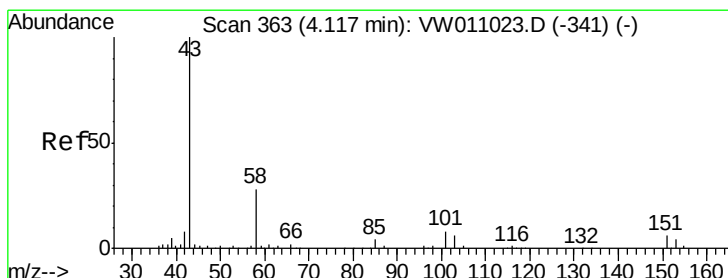
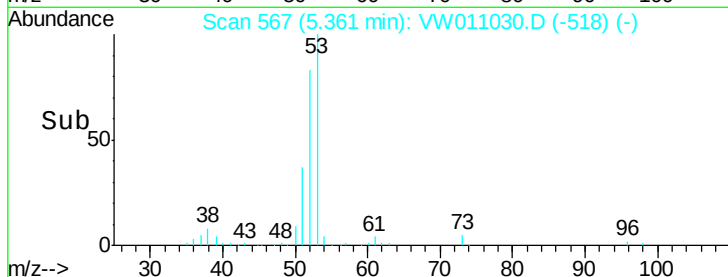
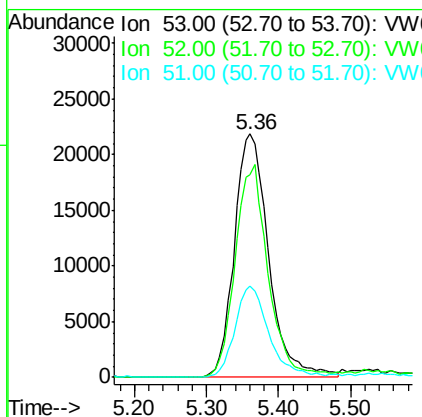
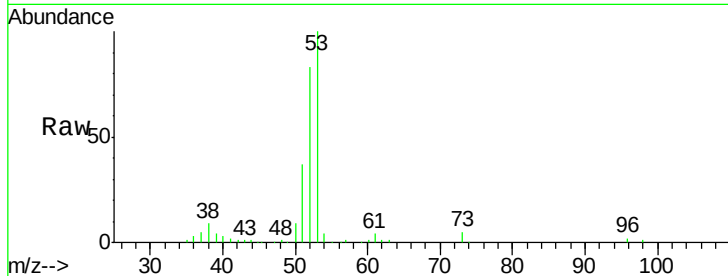
ClientSampleId :

VW0628SBS01

Tot Ion:	53	Resp:	72585
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.3	99.5
51	36.9	29.8	44.6

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#16

Acetone

Concen: 105.837 ug/l

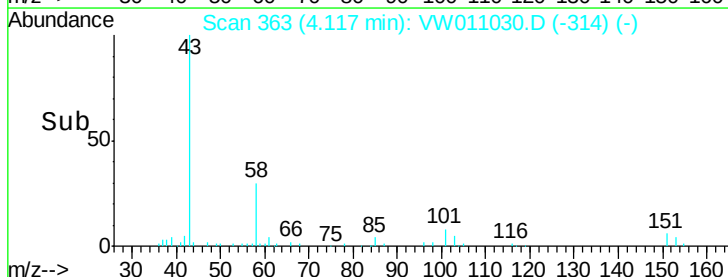
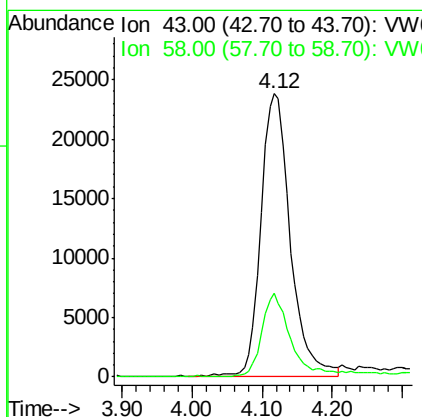
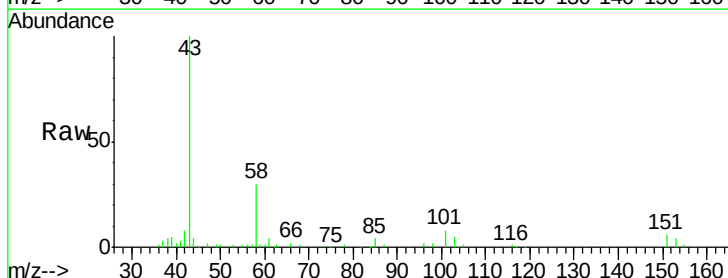
RT: 4.12 min Scan# 363

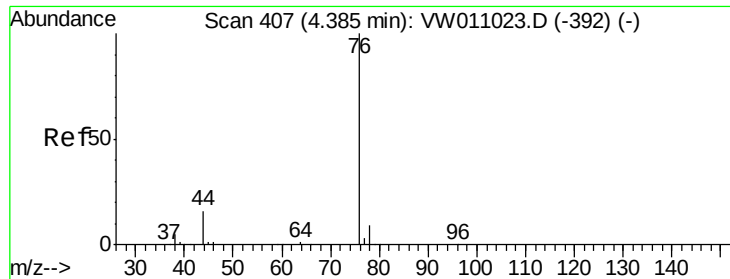
Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion:	43	Resp:	70366
Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.5	33.7





#17

Carbon Disulfide

Concen: 20.199 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion: 76 Resp: 135154

Ion Ratio Lower Upper

76 100

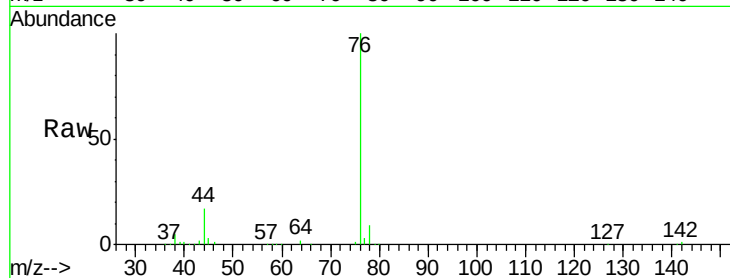
78 9.4 7.2 10.8

Manual Integrations

APPROVED

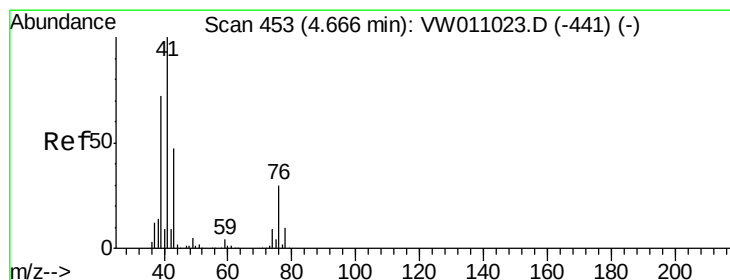
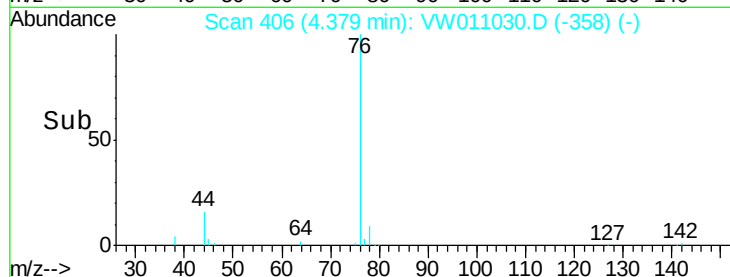
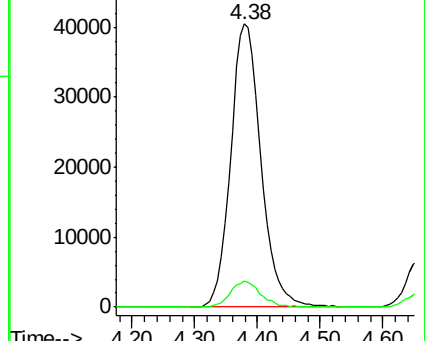
MMDadoda

7/2/2019 8:28:28 AM



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 26.313 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011030.D

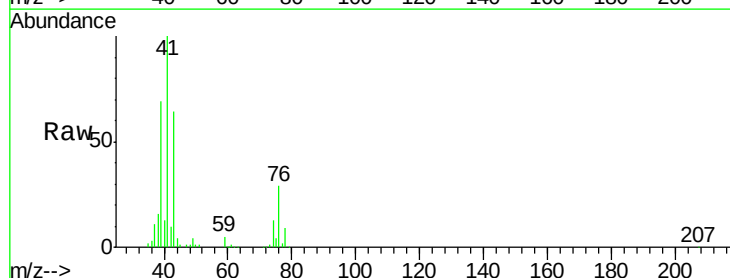
Acq: 27 Jun 2019 22:12

Tgt Ion: 43 Resp: 45317

Ion Ratio Lower Upper

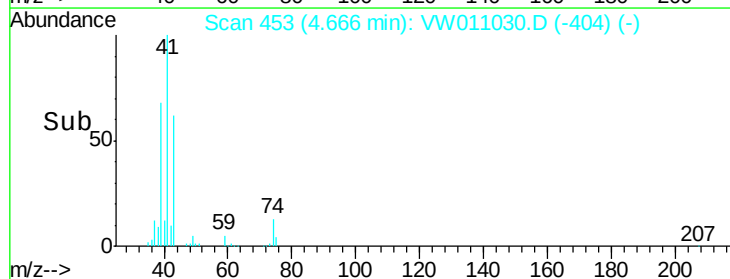
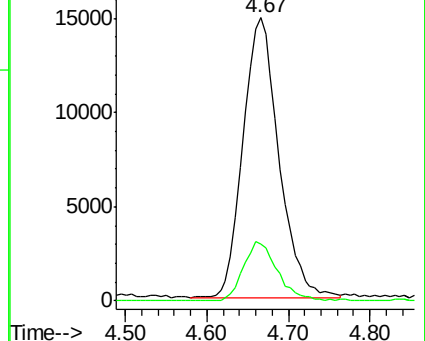
43 100

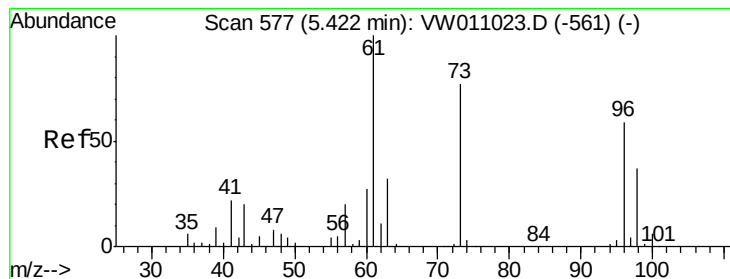
74 20.0 15.8 23.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

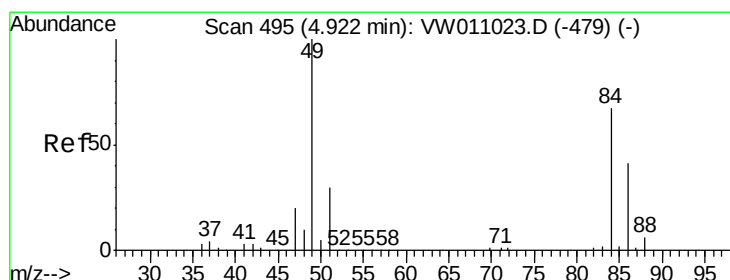
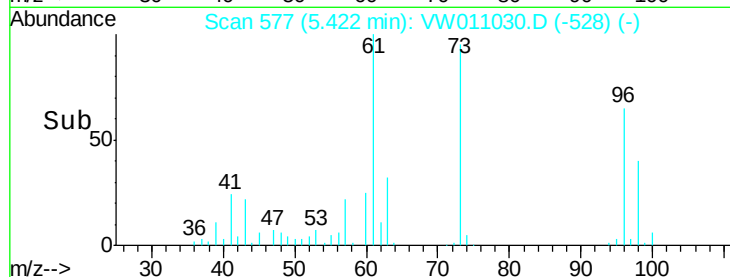
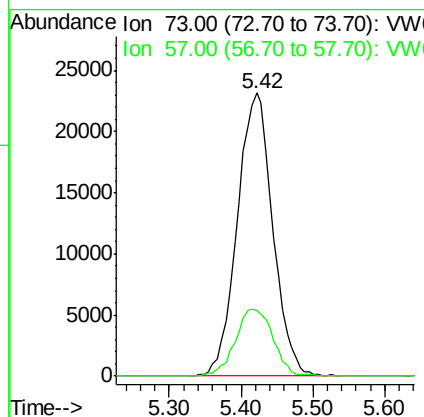
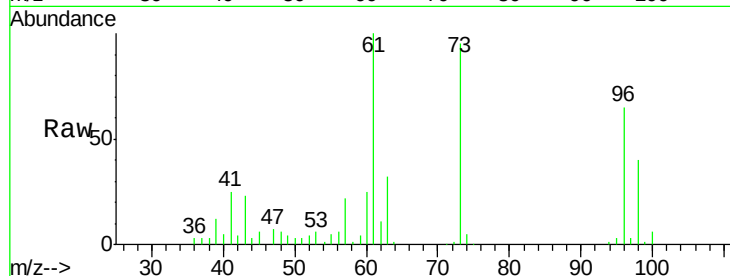
Methyl tert-butyl Ether
 Concen: 23.681 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampled :
 VW0628SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.3	20.8	31.2

Manual Integrations
 APPROVED

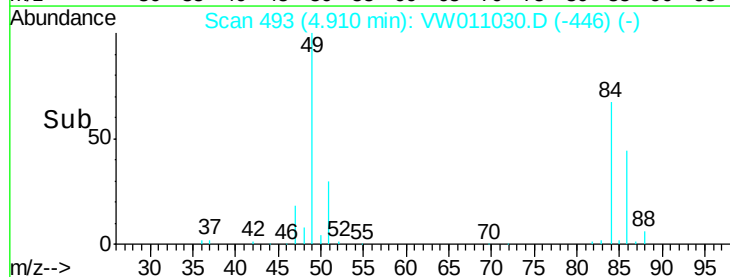
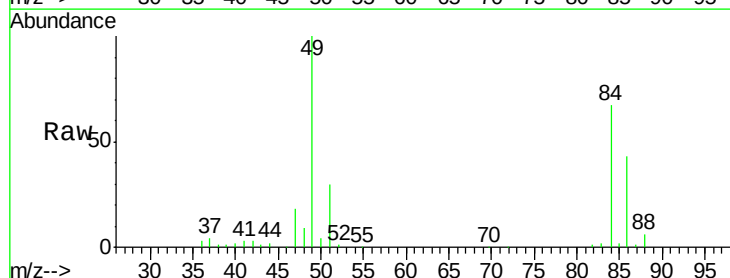
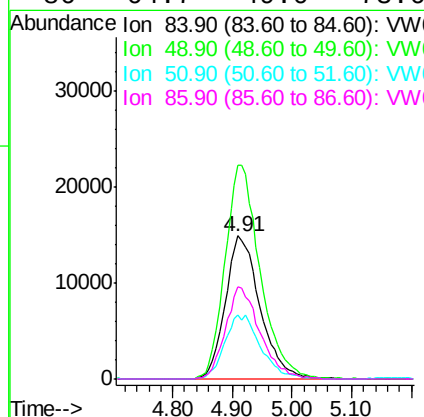
MMDadoda
 7/2/2019 8:28:28 AM

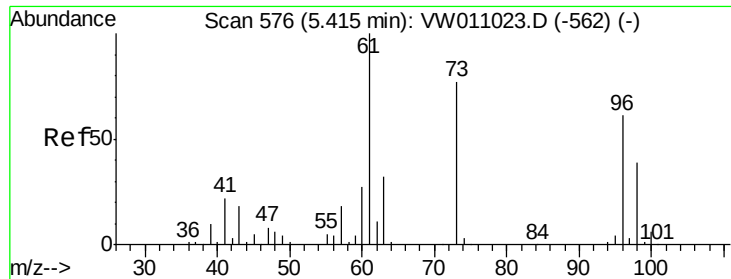


#20

Methylene Chloride
 Concen: 22.283 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.6	119.6	179.4
51	45.1	35.6	53.4
86	64.7	49.0	73.6





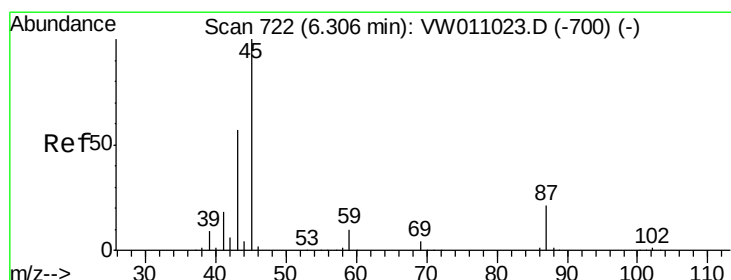
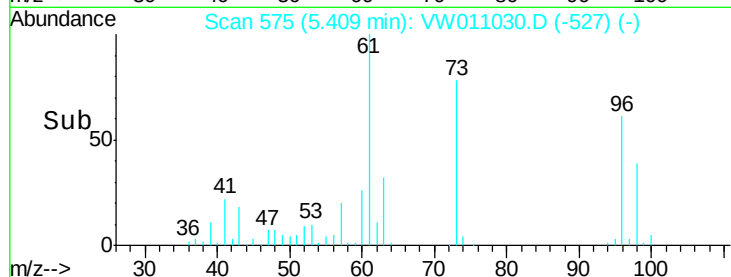
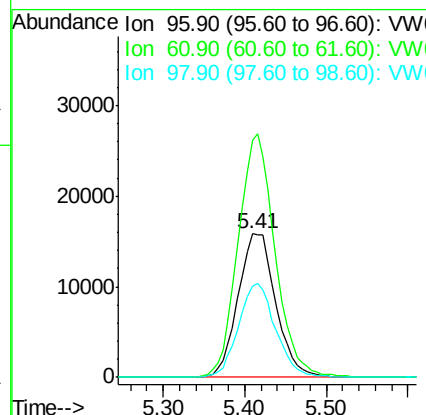
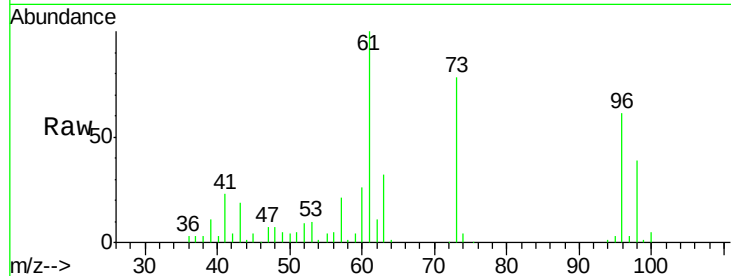
#21
trans-1,2-Dichloroethene
Concen: 21.023 ug/l
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.0	131.0	196.4
98	63.5	50.8	76.2

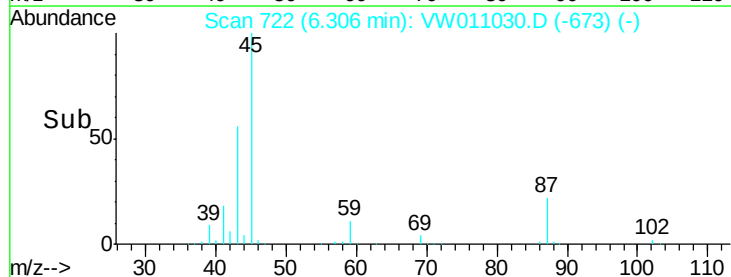
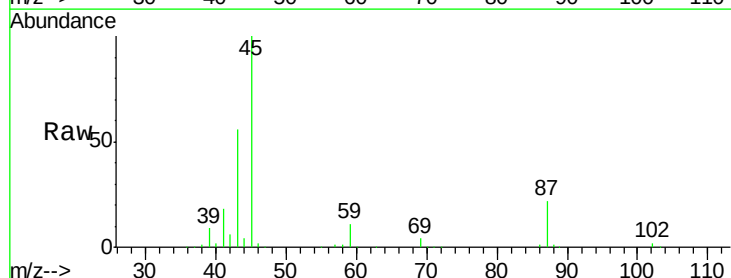
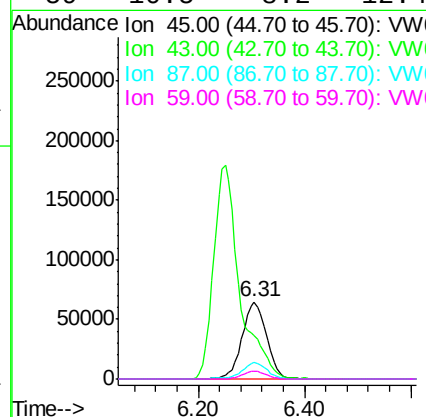
Manual Integrations
APPROVED

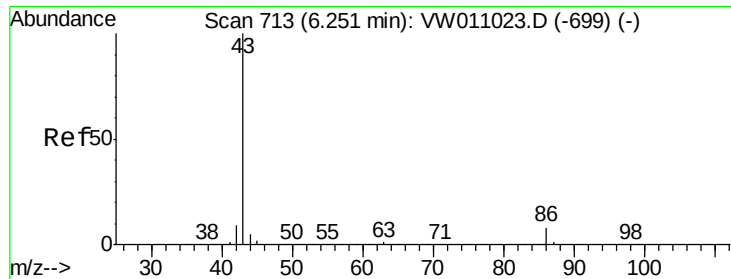
MMDadoda
7/2/2019 8:28:28 AM



#22
Diisopropyl ether
Concen: 22.702 ug/l
RT: 6.31 min Scan# 722
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.4	45.8	68.6
87	21.7	17.1	25.7
59	10.5	8.2	12.4





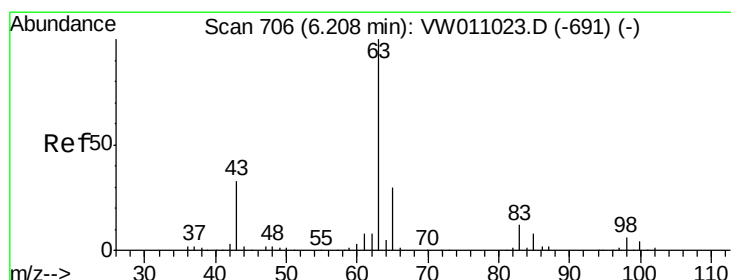
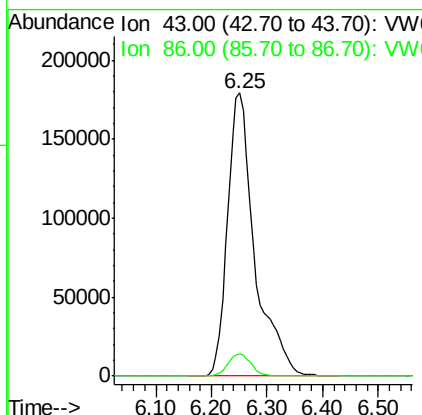
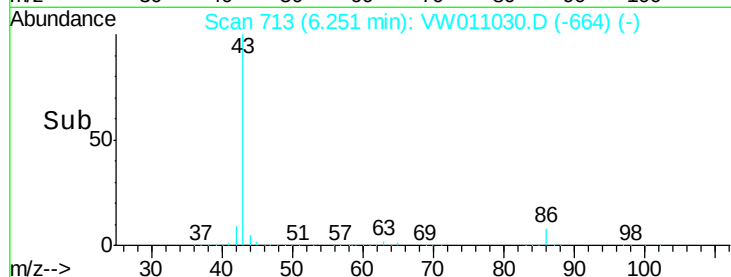
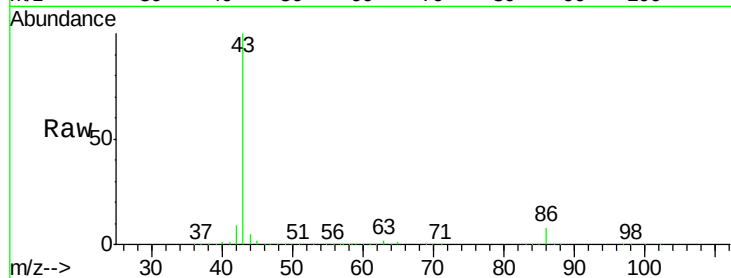
#23
 Vinyl Acetate
 Concen: 107.791 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.6	10.0

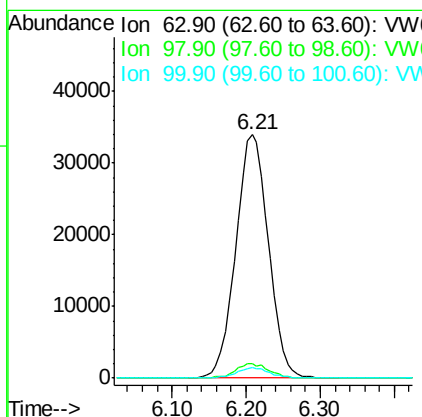
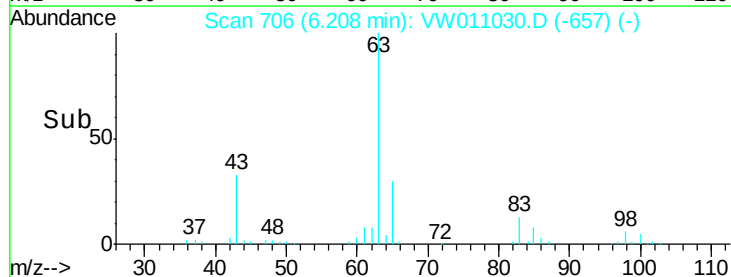
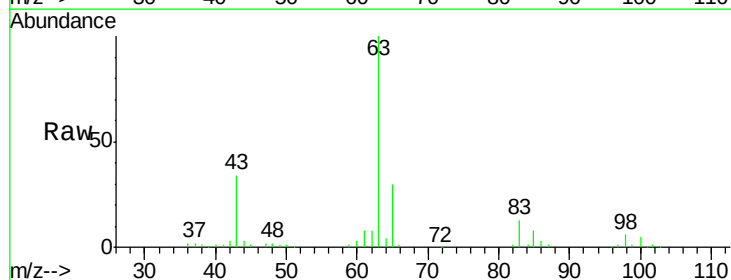
Manual Integrations
 APPROVED

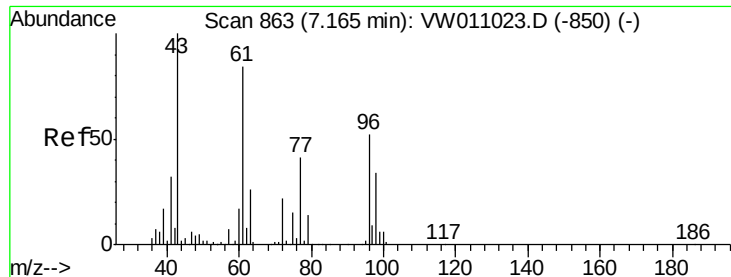
MMDadoda
 7/2/2019 8:28:28 AM



#24
 1,1-Dichloroethane
 Concen: 21.631 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.1	9.4
100	4.6	2.1	6.2





#25

2-Butanone

Concen: 111.722 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion: 43 Resp: 112906

Ion Ratio Lower Upper

43 100

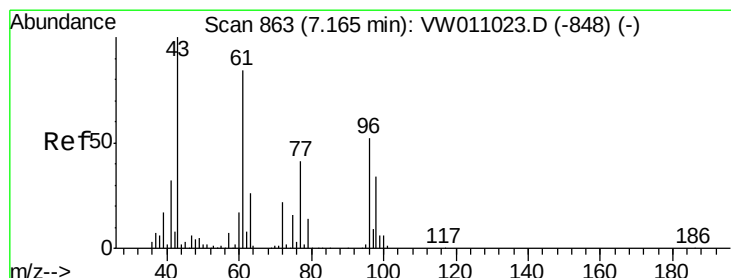
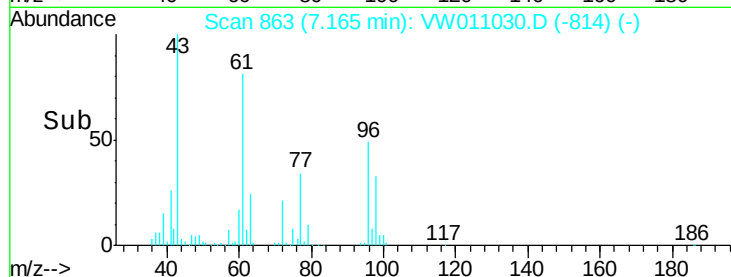
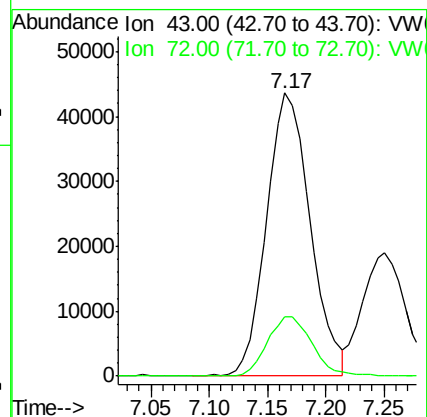
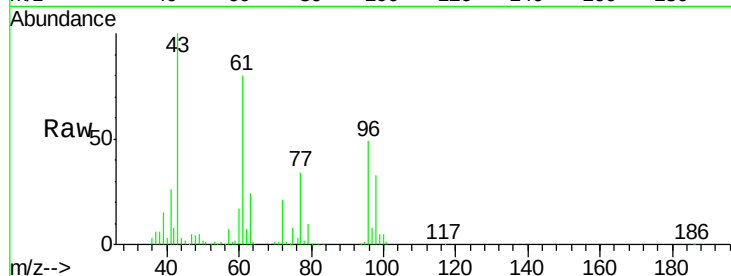
72 21.2 17.2 25.8

Manual Integrations

APPROVED

MMDadoda

7/2/2019 8:28:28 AM



#26

2,2-Dichloropropane

Concen: 17.818 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011030.D

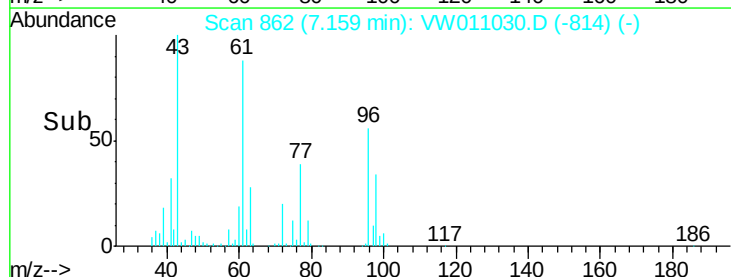
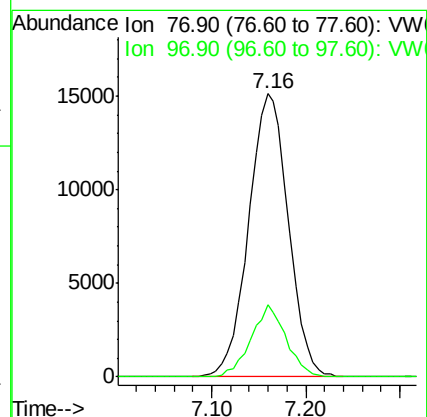
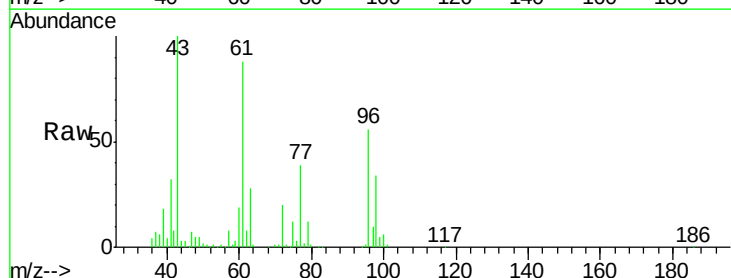
Acq: 27 Jun 2019 22:12

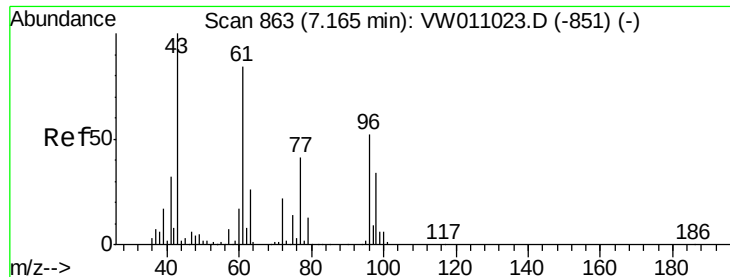
Tgt Ion: 77 Resp: 44606

Ion Ratio Lower Upper

77 100

97 22.5 10.9 32.7





#27

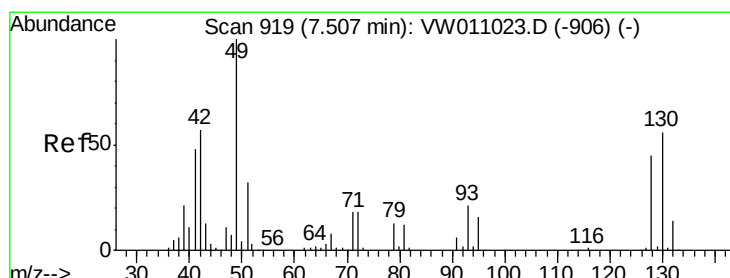
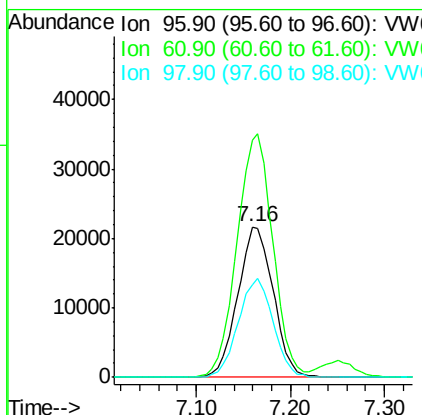
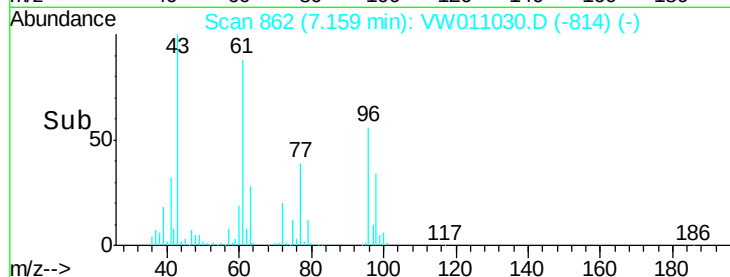
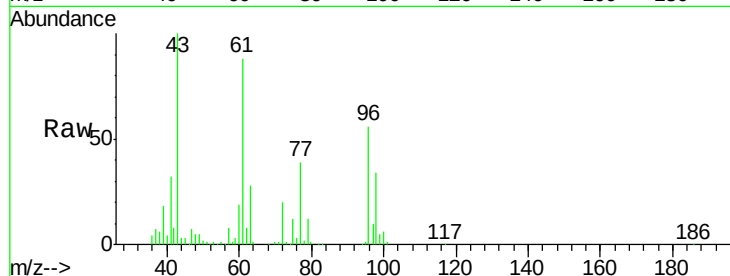
cis-1,2-Dichloroethene
Concen: 21.648 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.1	0.0	330.4
98	64.8	0.0	129.4

Manual Integrations
APPROVED

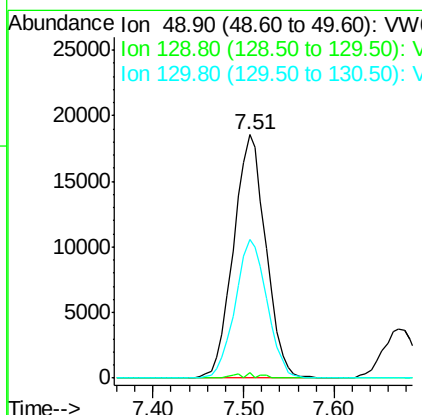
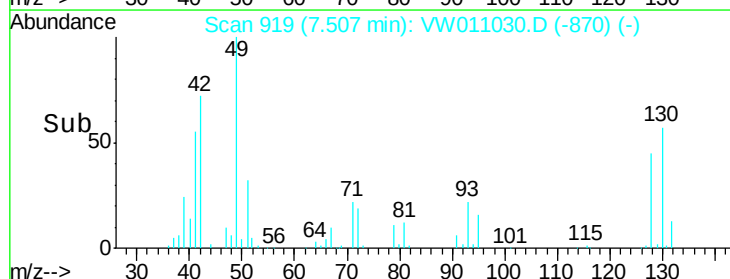
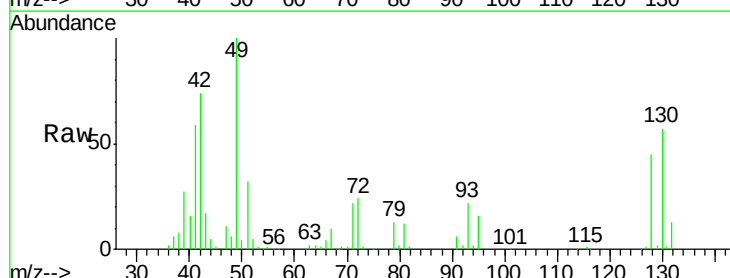
MMDadoda
7/2/2019 8:28:28 AM

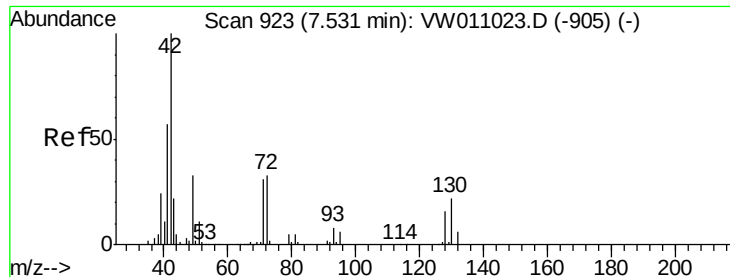


#28

Bromochloromethane
Concen: 20.421 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	3.4
130	56.0	46.1	69.1





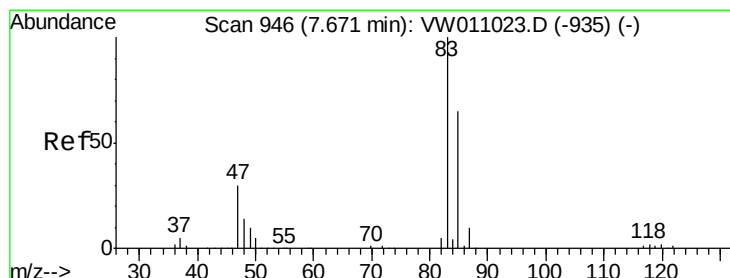
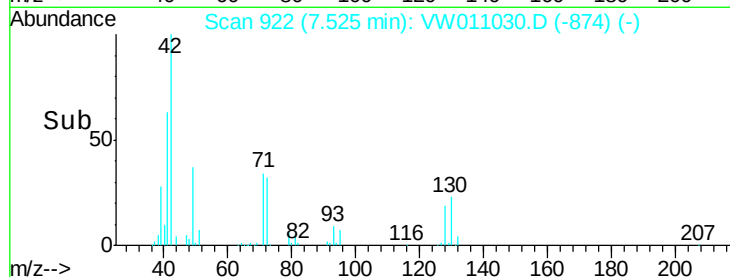
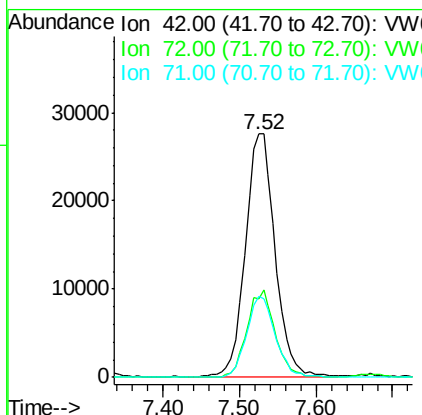
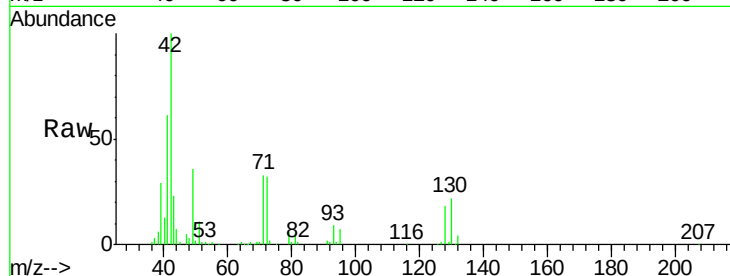
#29
Tetrahydrofuran
Concen: 117.547 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion:	42	Resp:	73950
Ion	Ratio	Lower	Upper
42	100		
72	34.6	27.4	41.0
71	32.6	25.6	38.4

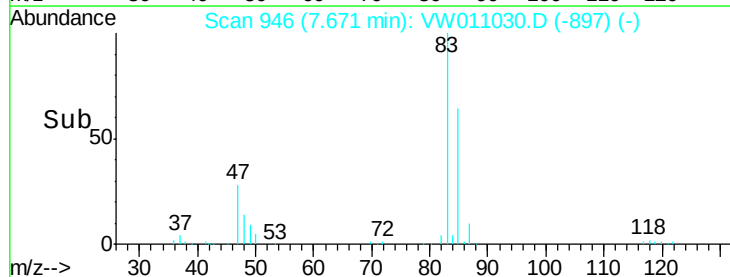
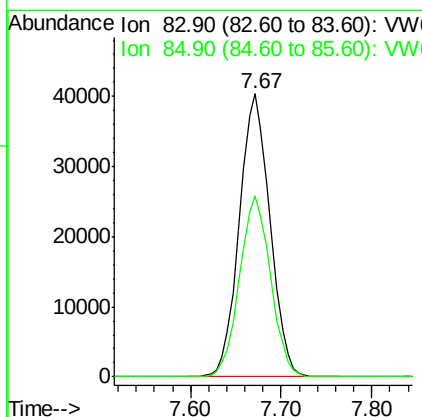
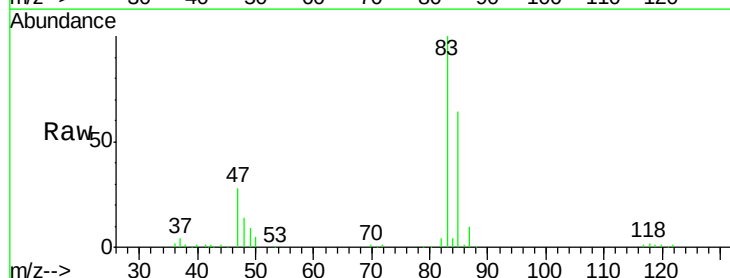
Manual Integrations
APPROVED

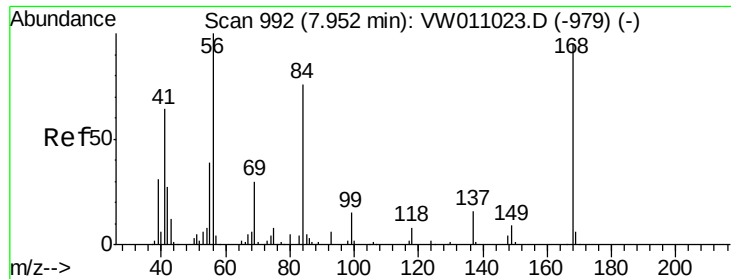
MMDadoda
7/2/2019 8:28:28 AM



#30
Chloroform
Concen: 21.593 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:	83	Resp:	94591
Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.2	78.4





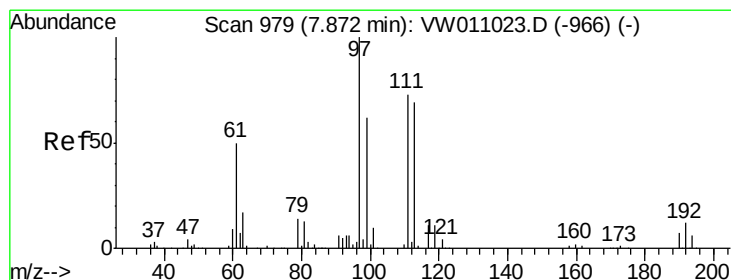
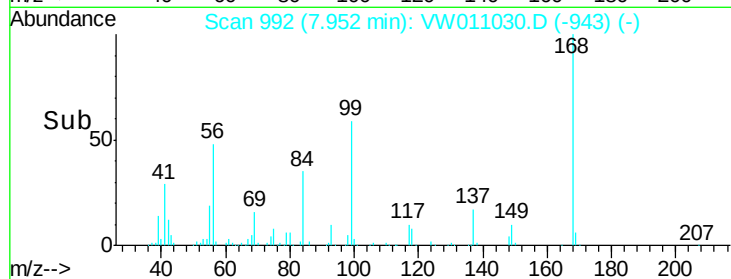
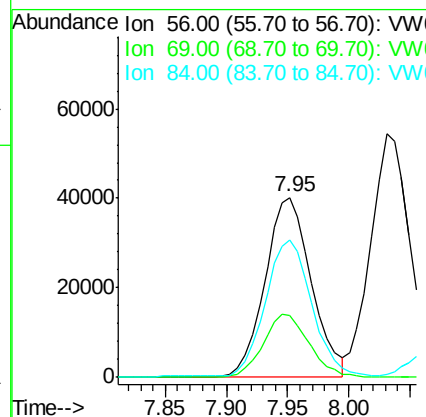
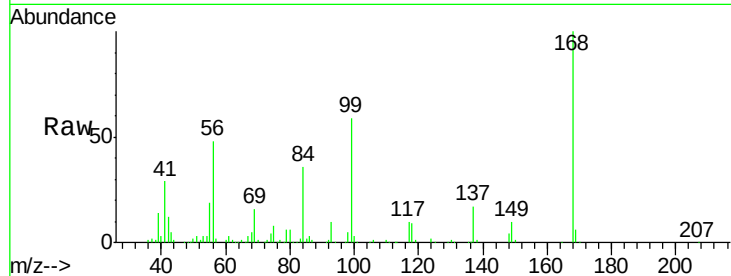
#31
Cyclohexane
Concen: 20.271 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	105615		
69	34.5		24.2	36.2
84	74.9		60.6	90.8

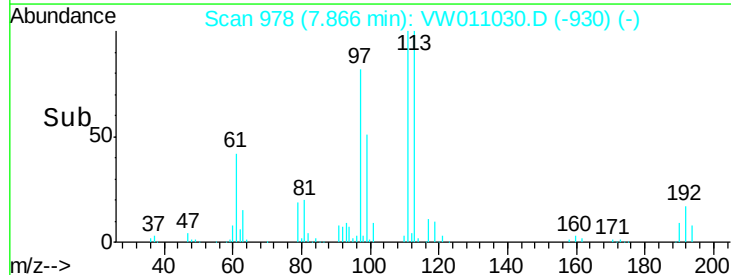
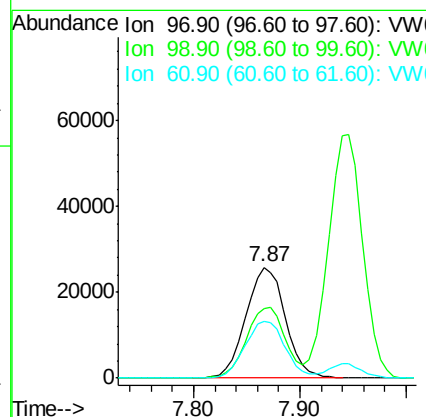
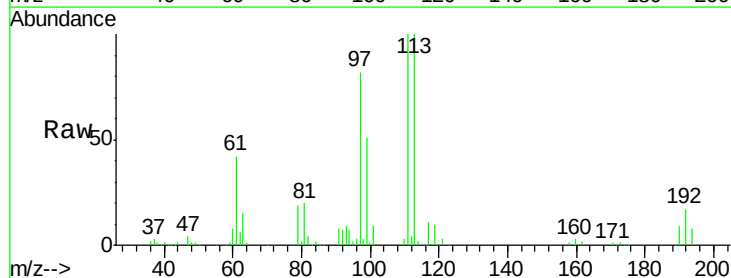
Manual Integrations
APPROVED

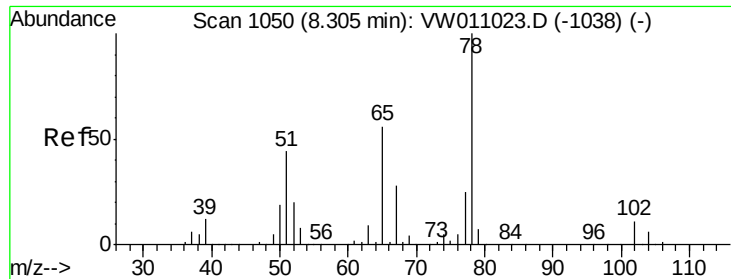
MMDadoda
7/2/2019 8:28:28 AM



#32
1,1,1-Trichloroethane
Concen: 20.437 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	66899		
99	63.5		51.1	76.7
61	52.9		41.4	62.2





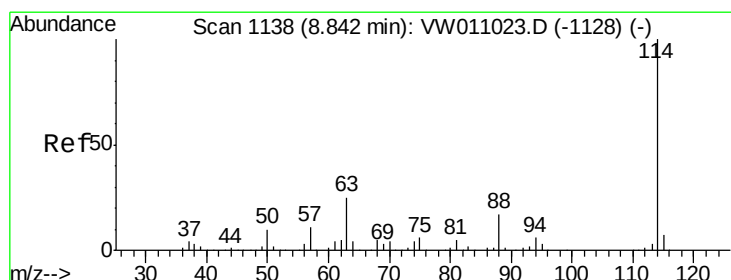
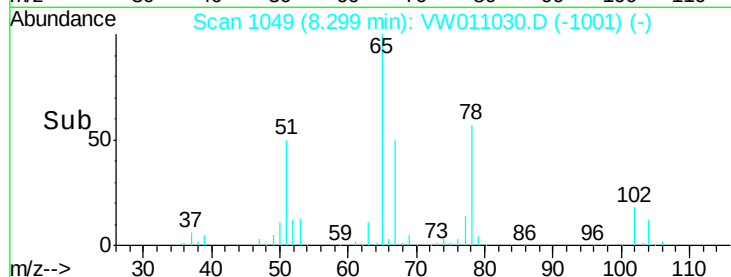
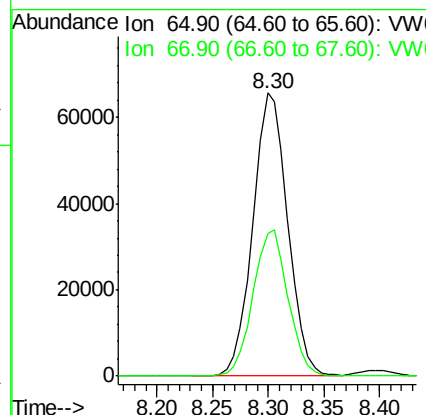
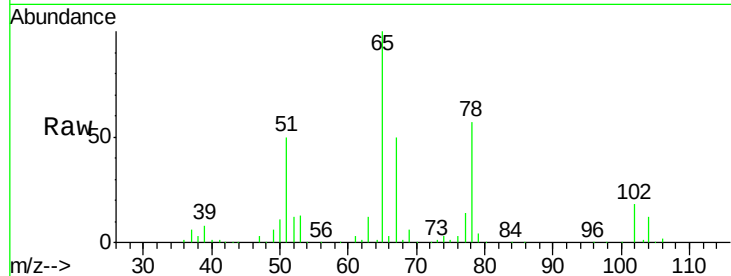
#33
 1,2-Dichloroethane-d4
 Concen: 52.617 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion: 65 Resp: 143315
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.4

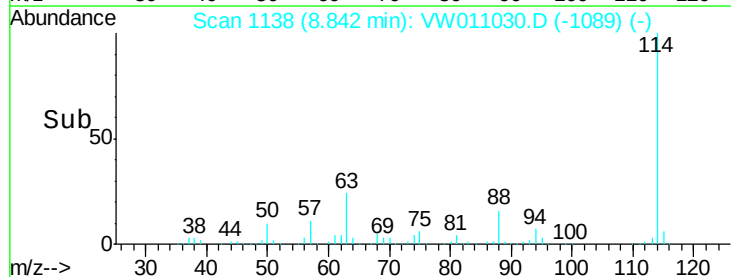
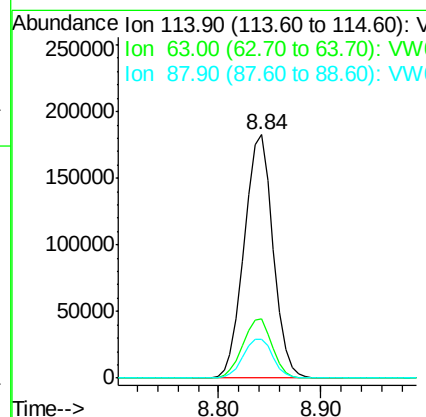
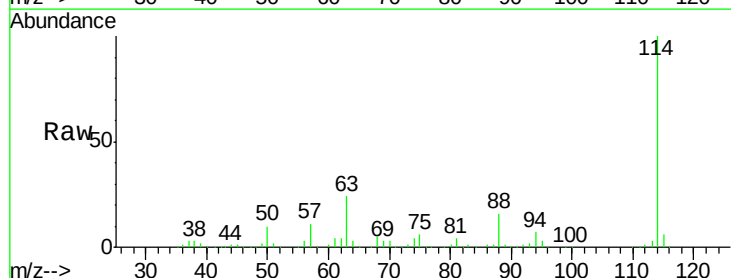
Manual Integrations
 APPROVED

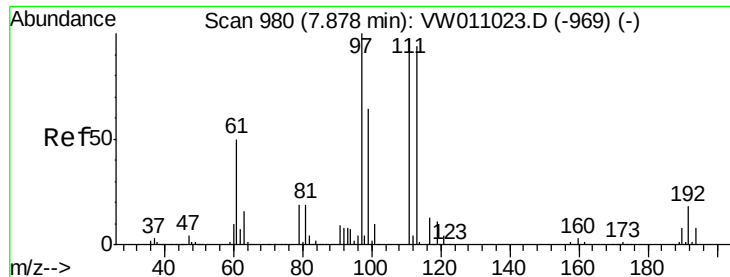
MMDadoda
 7/2/2019 8:28:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 114 Resp: 359231
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 16.2 0.0 34.0





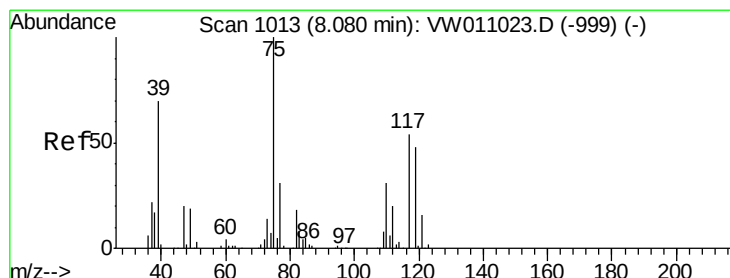
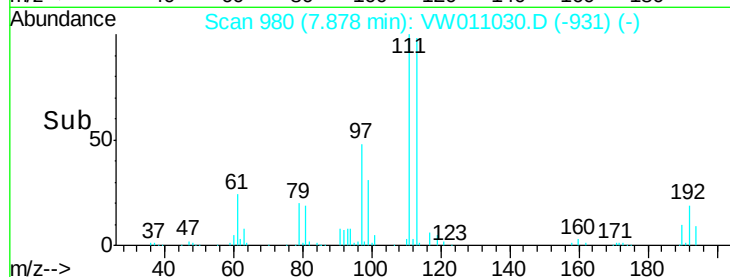
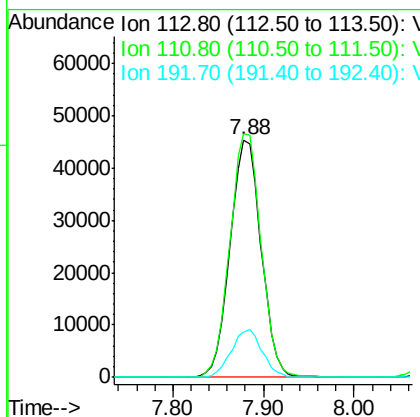
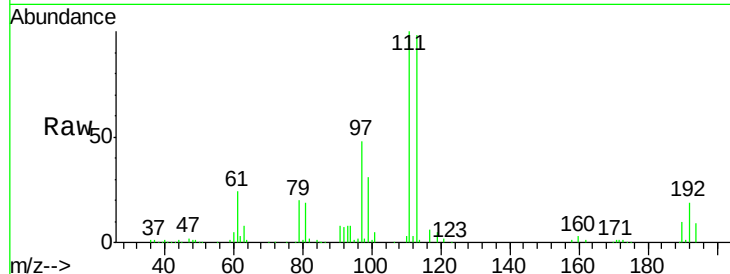
#35
 Dibromofluoromethane
 Concen: 49.206 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	107938		
111	103.5	83.8	125.6	
192	20.0	16.0	24.0	

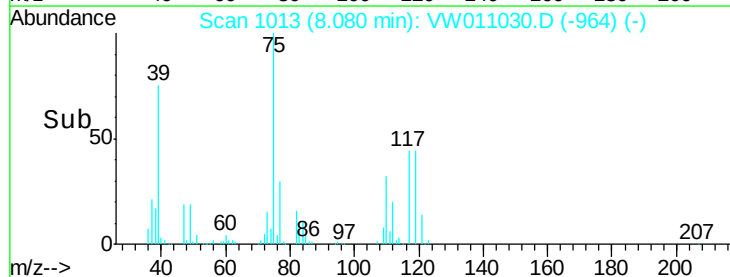
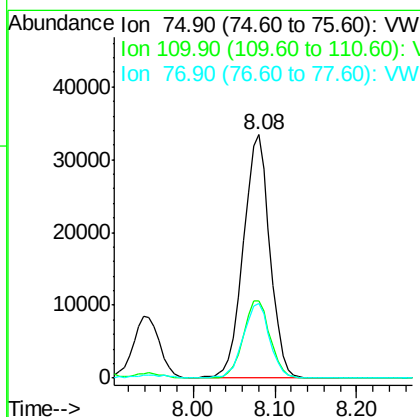
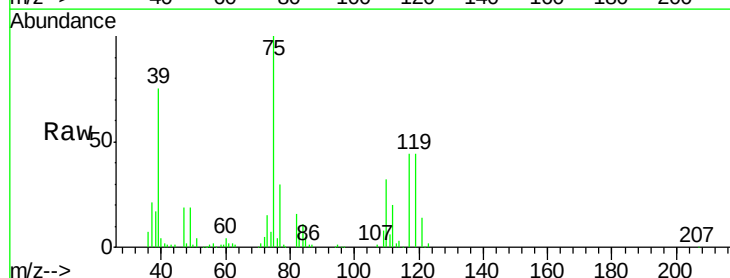
Manual Integrations
 APPROVED

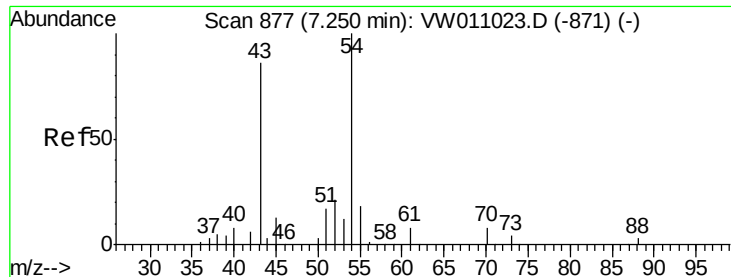
MMDadoda
 7/2/2019 8:28:28 AM



#36
 1,1-Dichloropropene
 Concen: 19.569 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75558		
110	32.0	15.5	46.5	
77	30.7	24.9	37.3	





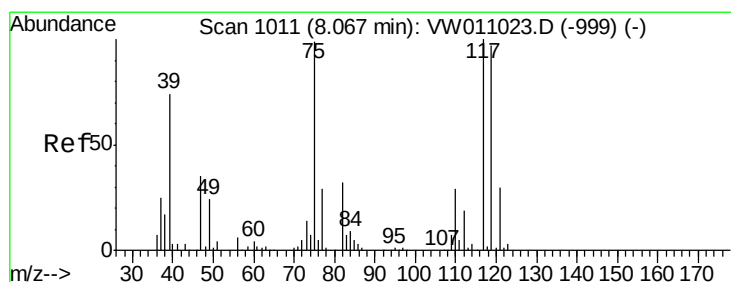
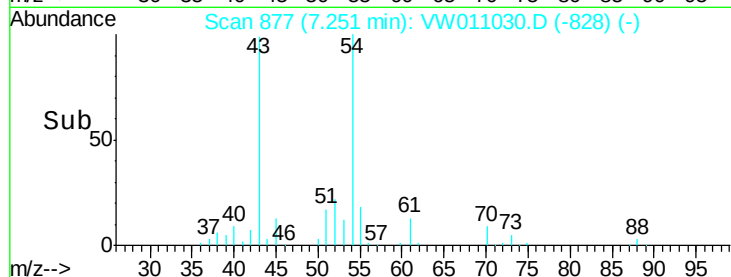
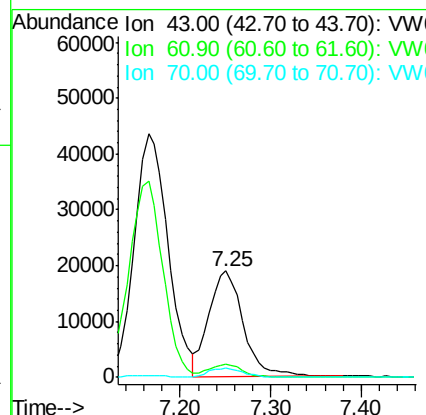
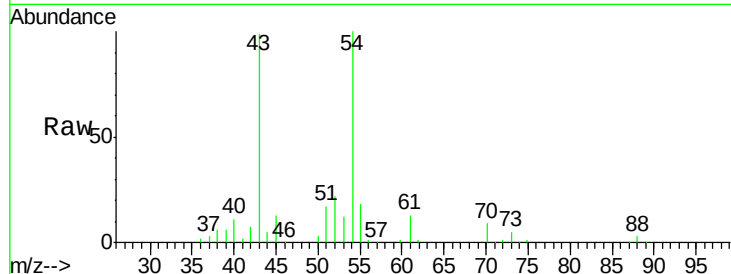
#37
Ethyl Acetate
Concen: 22.363 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	9.0	13.4
70	8.7	7.2	10.8

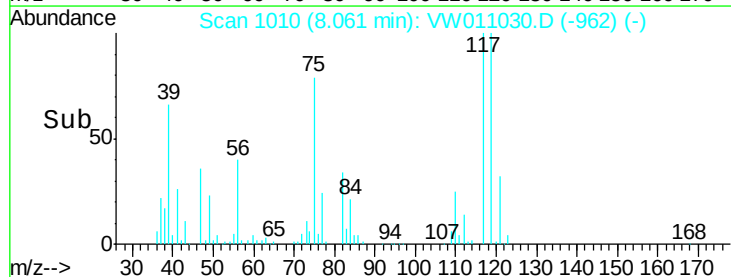
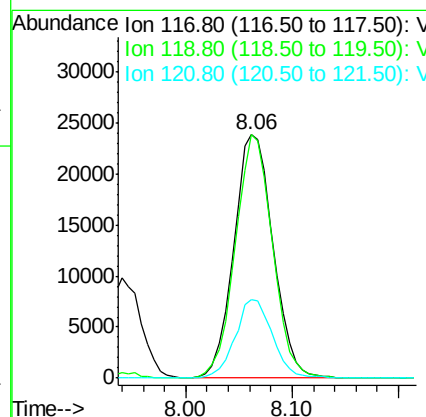
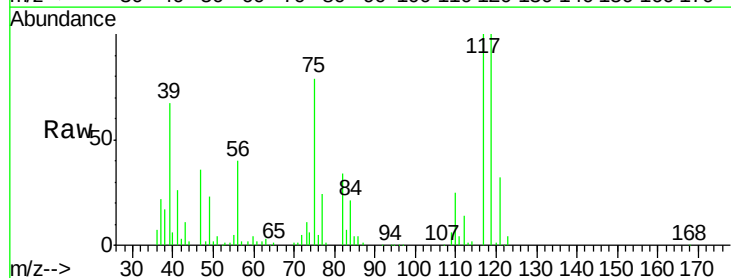
Manual Integrations
APPROVED

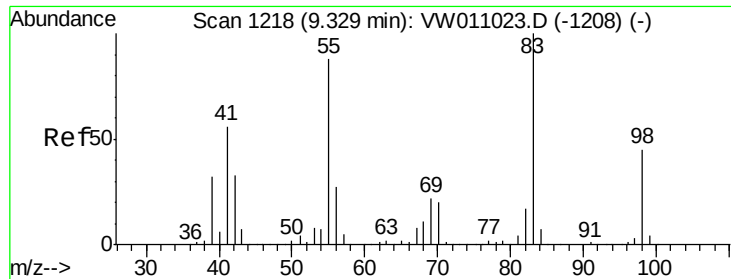
MMDadoda
7/2/2019 8:28:28 AM



#38
Carbon Tetrachloride
Concen: 19.378 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.1	77.7	116.5
121	32.5	23.9	35.9





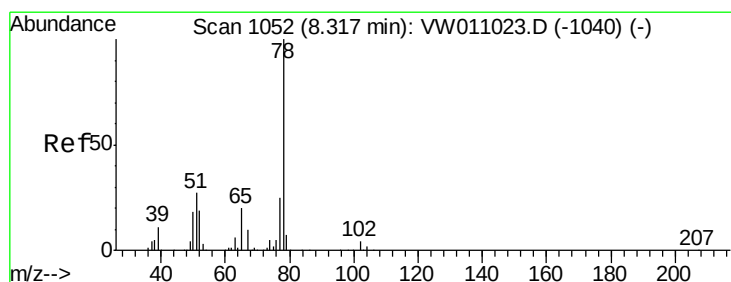
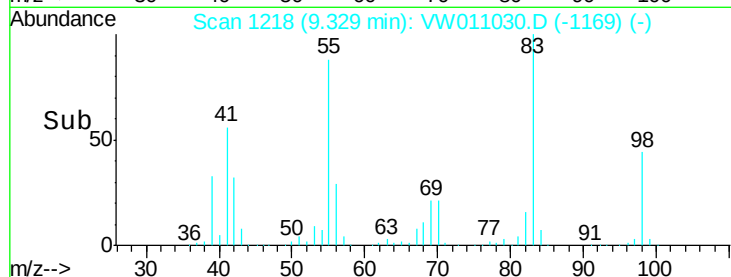
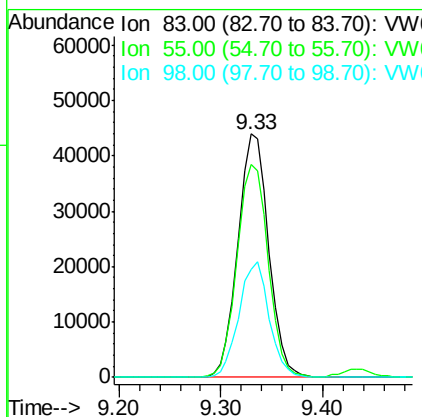
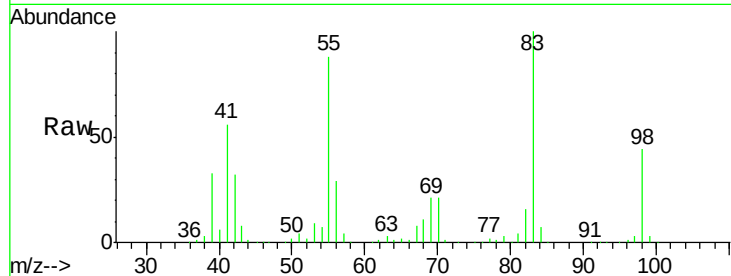
#39
Methylvlcyclohexane
Concen: 19.420 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	83	Resp	92278
Ion Ratio	100	Lower	Upper
83	100		
55	87.5	70.7	106.1
98	44.3	36.4	54.6

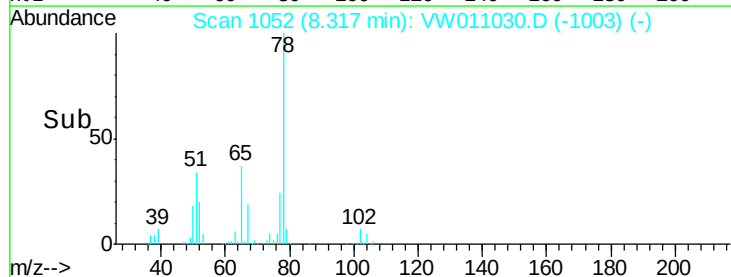
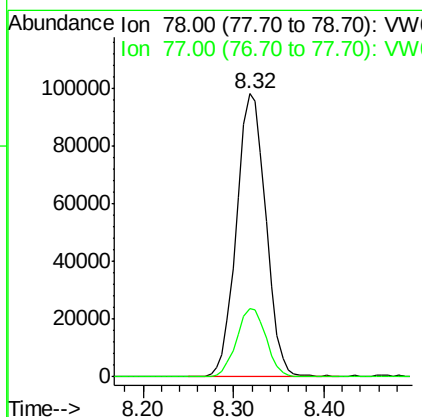
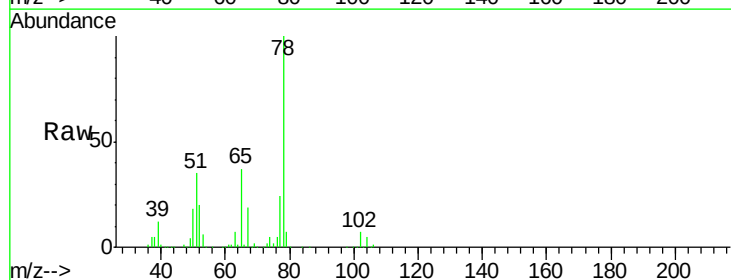
Manual Integrations
APPROVED

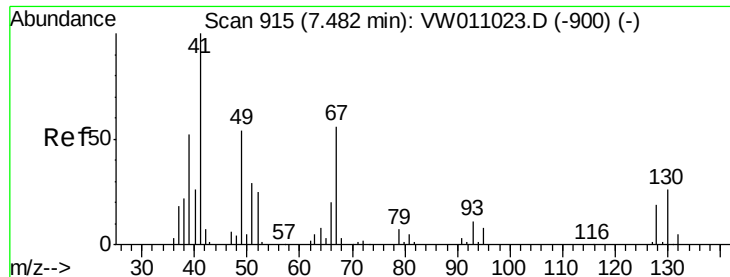
MMDadoda
7/2/2019 8:28:28 AM



#40
Benzene
Concen: 20.784 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	78	Resp	220719
Ion Ratio	100	Lower	Upper
78	100		
77	24.0	19.7	29.5





#41

Methacrylonitrile

Concen: 19.596 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

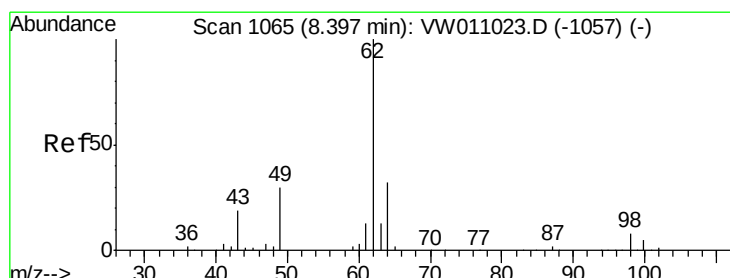
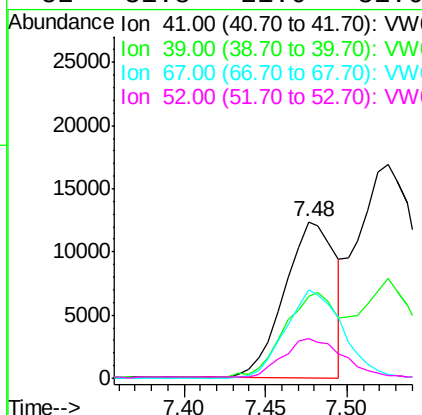
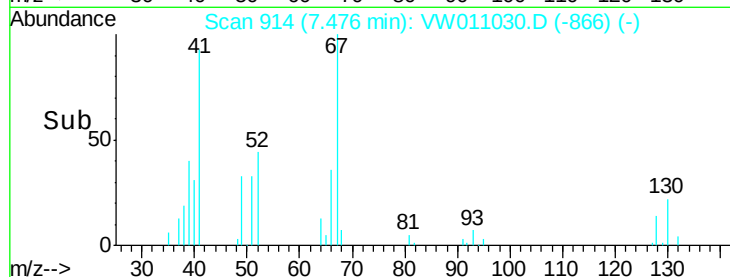
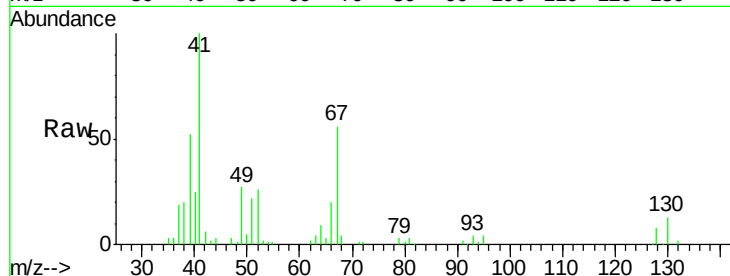
ClientSampled :

VW0628SBS01

Tot Ion	41	Resp	26779
Ion Ratio	Lower	Upper	
41	100		
39	62.0	42.1	63.1
67	64.1	44.2	66.2
52	31.8	21.0	31.6#

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#42

1,2-Dichloroethane

Concen: 21.722 ug/l

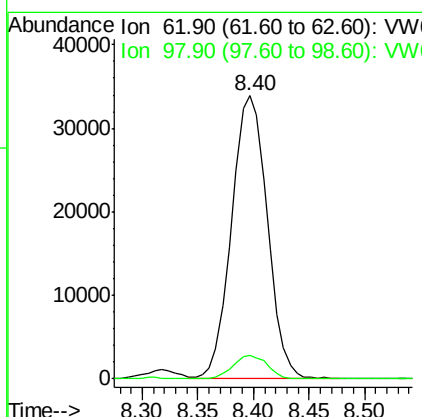
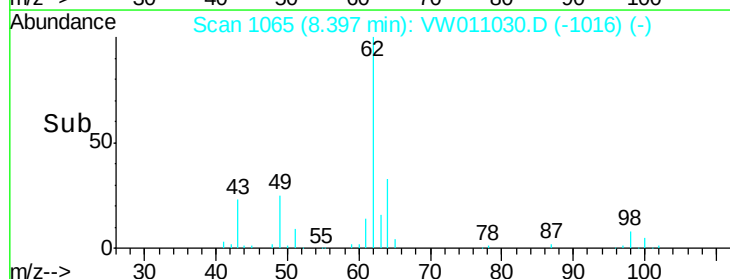
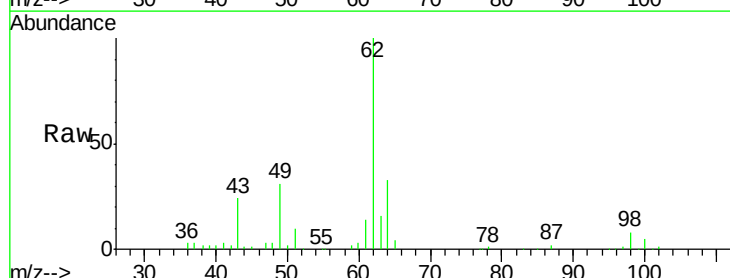
RT: 8.40 min Scan# 1065

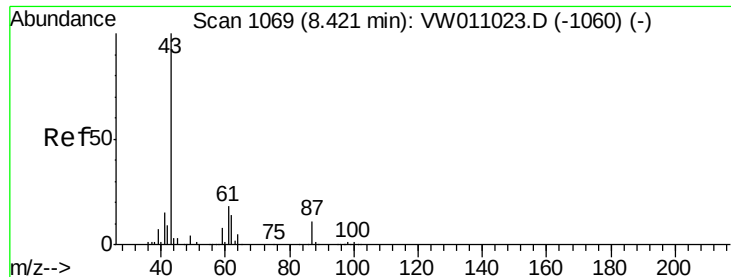
Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion	62	Resp	75635
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.8





#43

Isopropyl Acetate

Concen: 22.294 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

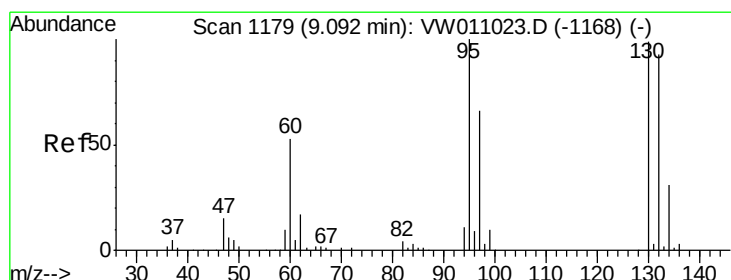
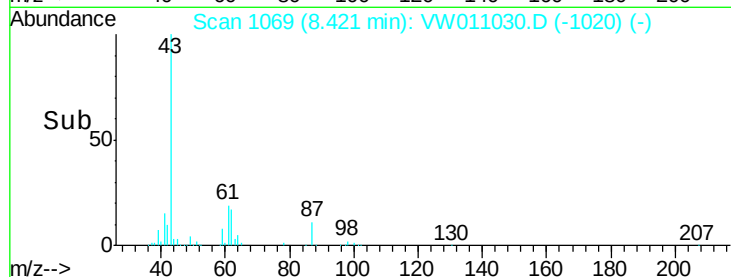
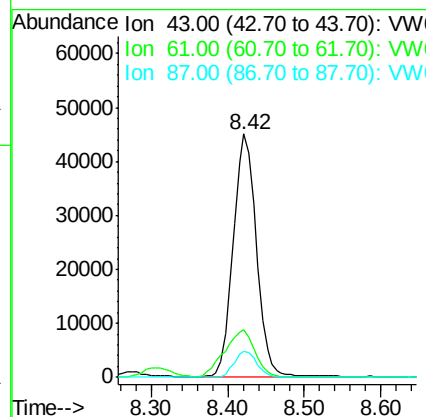
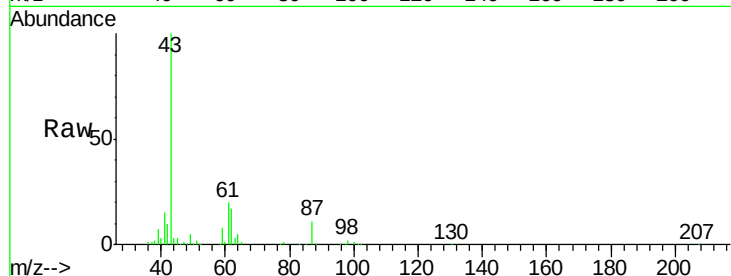
ClientSampleId :

VW0628SBS01

Tot Ion:	43	Resp:	94731
Ion	Ratio	Lower	Upper
43	100		
61	25.9	21.0	31.6
87	10.6	8.2	12.4

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#44

Trichloroethene

Concen: 20.205 ug/l

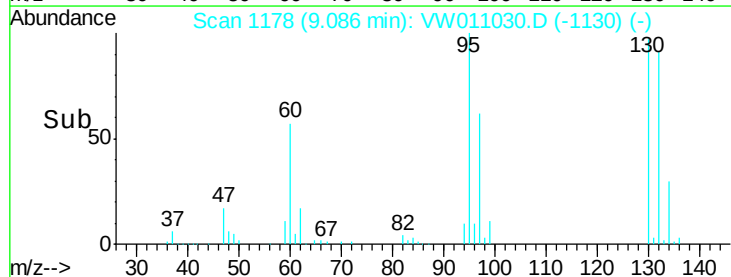
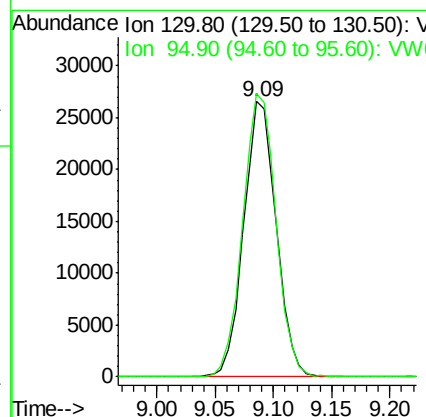
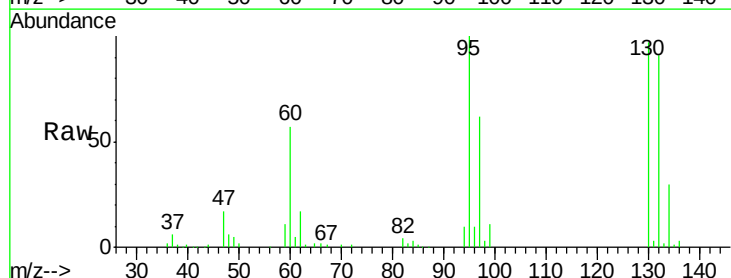
RT: 9.09 min Scan# 1178

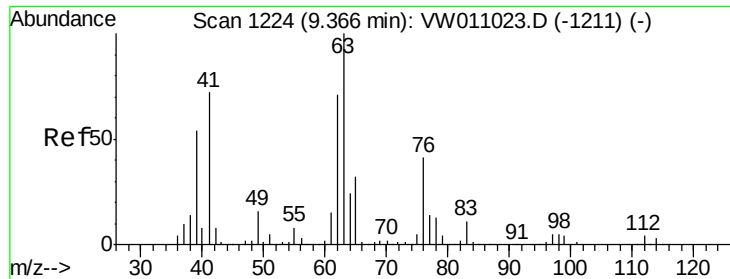
Delta R.T. -0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion:	130	Resp:	51858
Ion	Ratio	Lower	Upper
130	100		
95	102.8	0.0	202.0





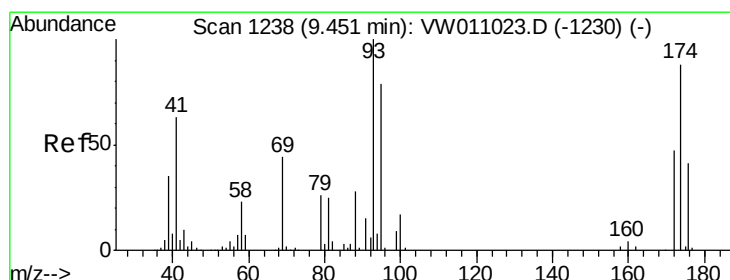
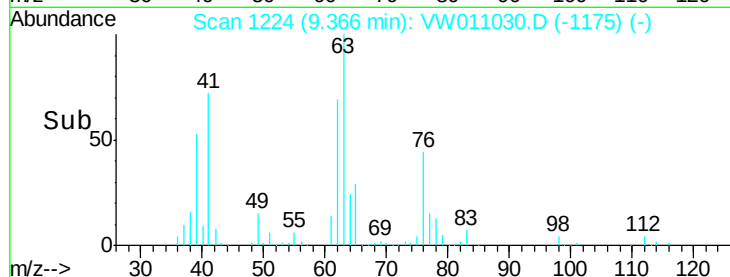
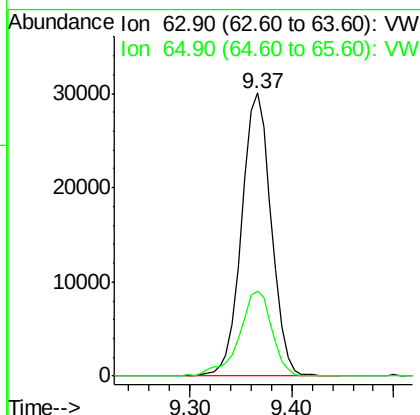
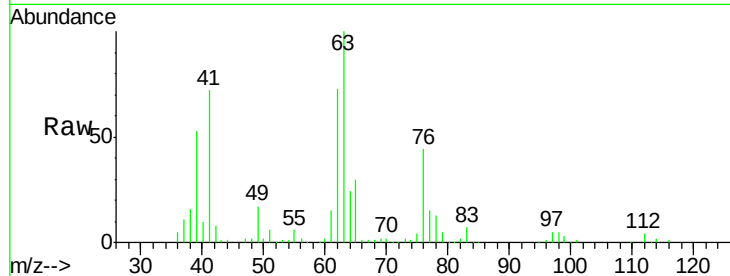
#45
 1,2-Dichloropropane
 Concen: 21.004 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion: 63 Resp: 60573
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.6 38.4

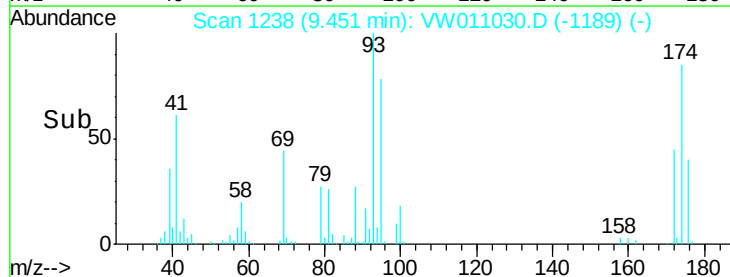
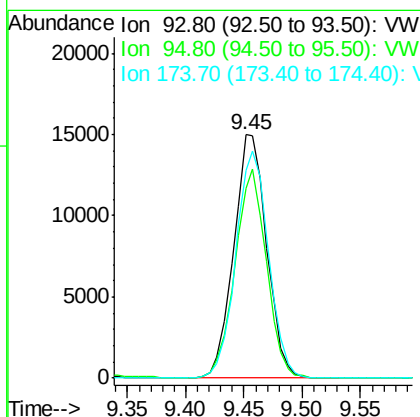
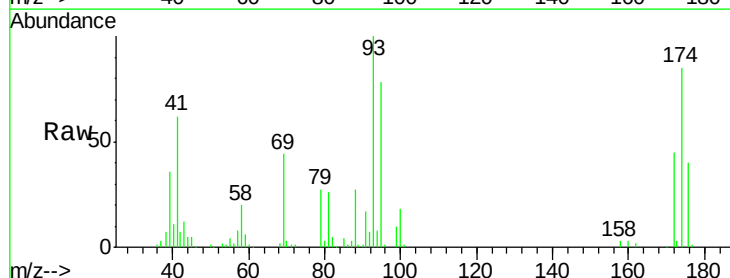
Manual Integrations
 APPROVED

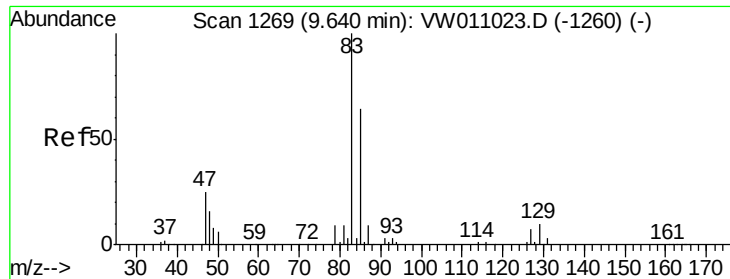
MMDadoda
 7/2/2019 8:28:28 AM



#46
 Dibromomethane
 Concen: 21.916 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 93 Resp: 29559
 Ion Ratio Lower Upper
 93 100
 95 82.1 65.8 98.6
 174 92.9 75.4 113.0





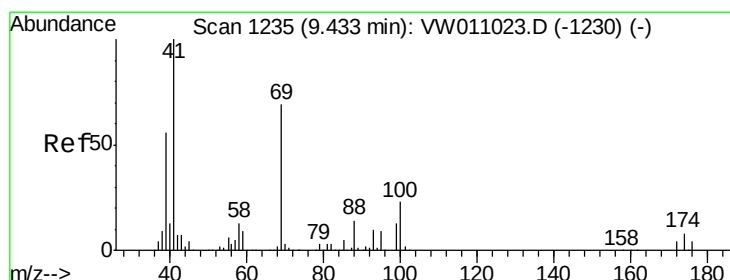
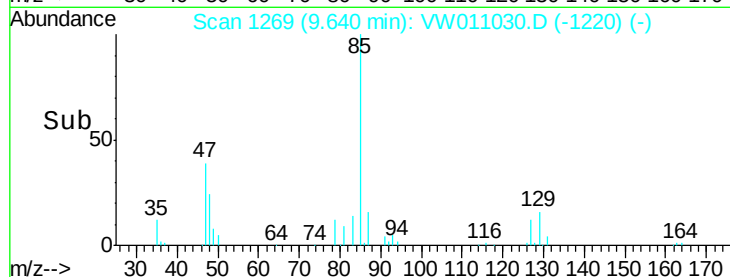
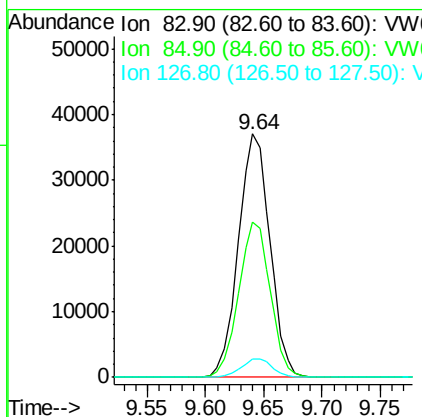
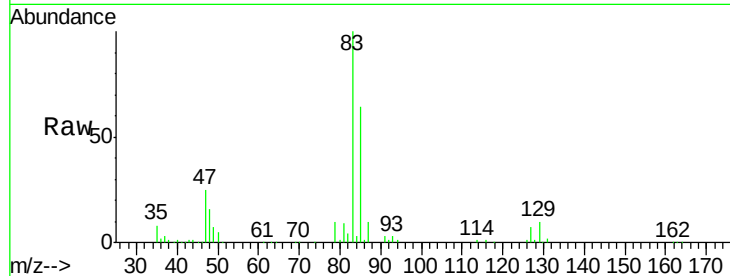
#47
Bromodichloromethane
Concen: 20.976 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :
VW0628SBS01

Tot Ion	83	Resp	70046
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.0	76.4
127	7.5	5.8	8.8

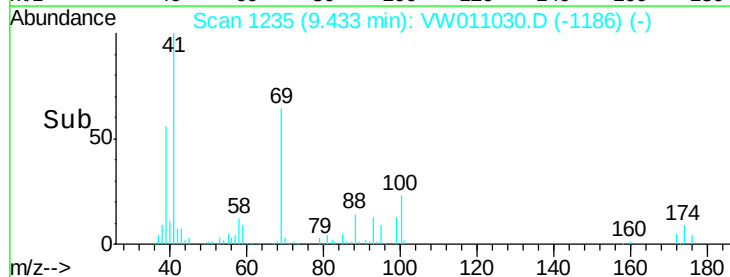
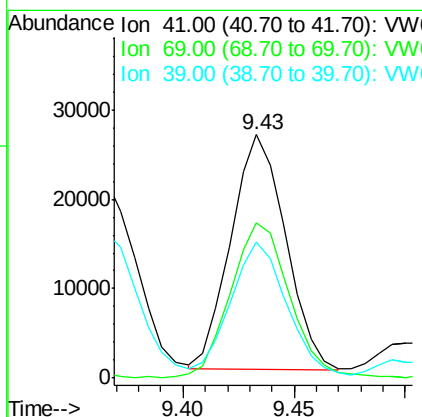
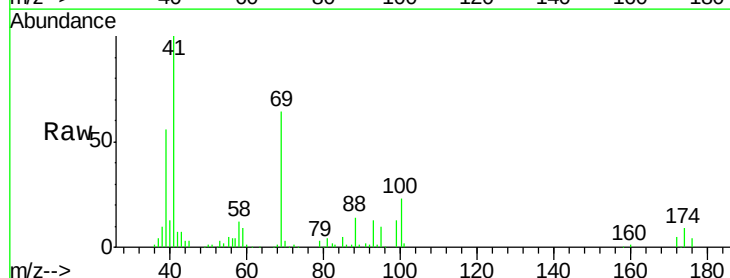
Manual Integrations
APPROVED

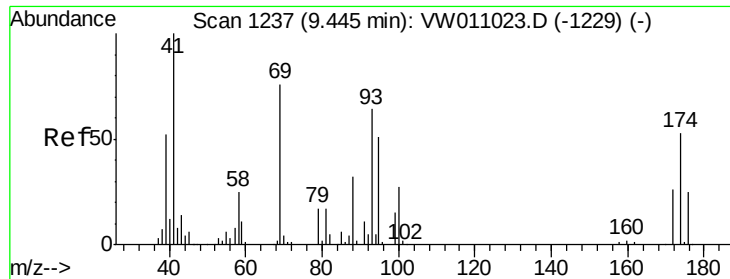
MMDadoda
7/2/2019 8:28:28 AM



#48
Methyl methacrylate
Concen: 21.791 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	41	Resp	44895
Ion Ratio	100	Lower	Upper
41	100		
69	72.3	56.7	85.1
39	60.0	45.0	67.6





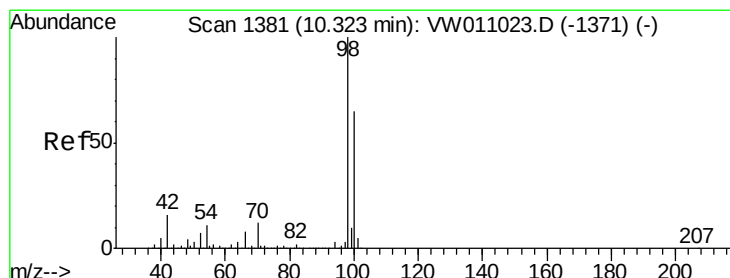
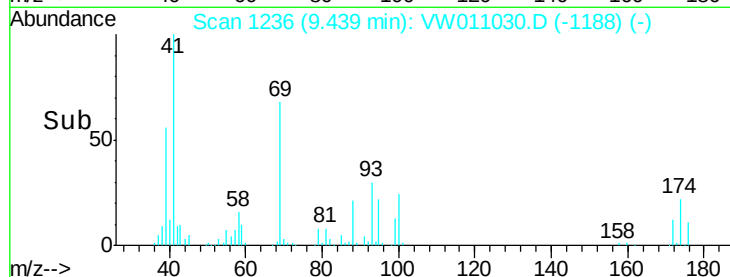
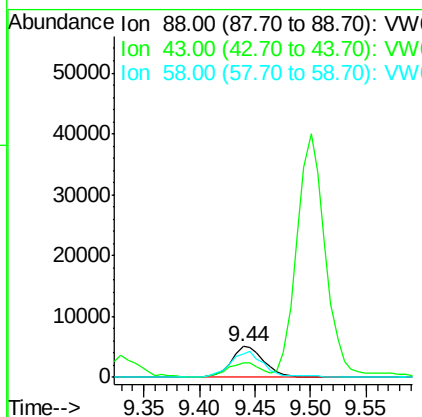
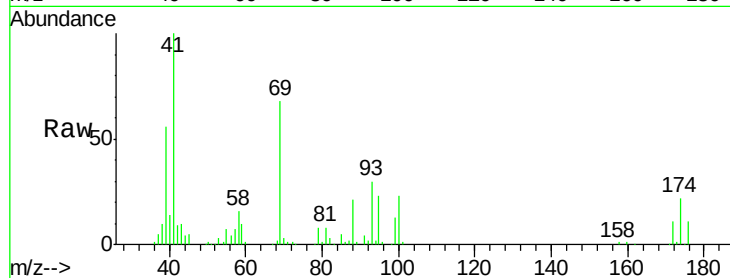
#49
1,4-Dioxane
Concen: 455.389 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	88	Resp	10327
Ion	Ratio	Lower	Upper
88	100		
43	46.5	34.4	51.6
58	83.4	65.2	97.8

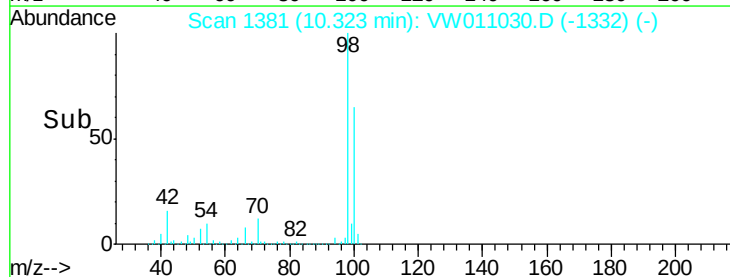
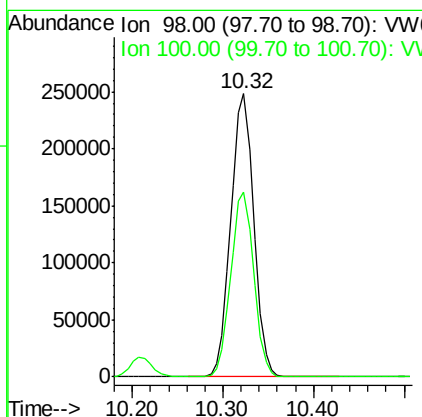
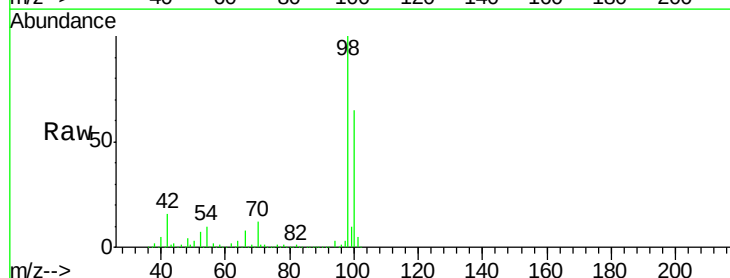
Manual Integrations
APPROVED

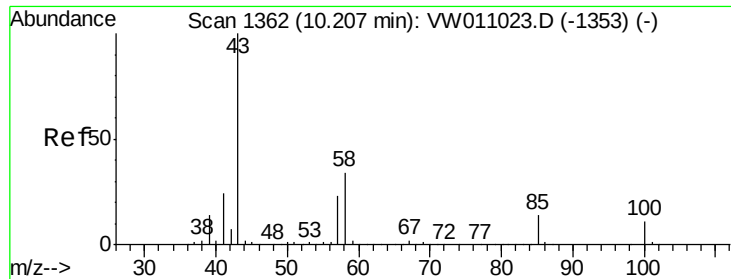
MMDadoda
7/2/2019 8:28:28 AM



#50
Toluene-d8
Concen: 48.418 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	98	Resp	437188
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5





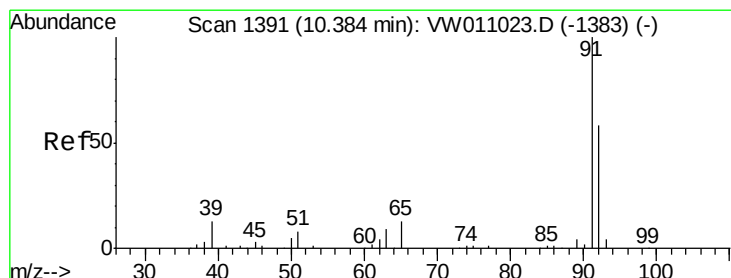
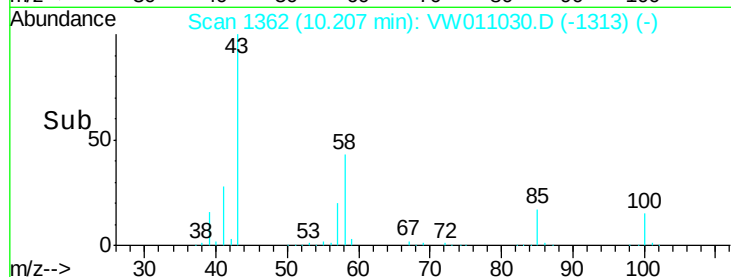
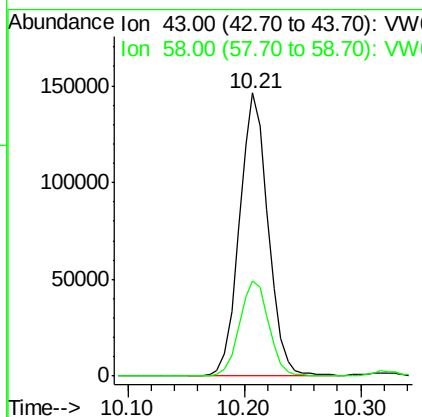
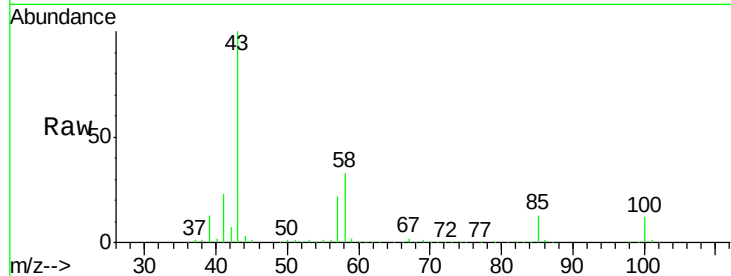
#51
4-Methyl-2-Pentanone
Concen: 112.056 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	43	Resp	250638
Ion Ratio	43	100	
Lower	58	34.6	27.8
Upper			41.6

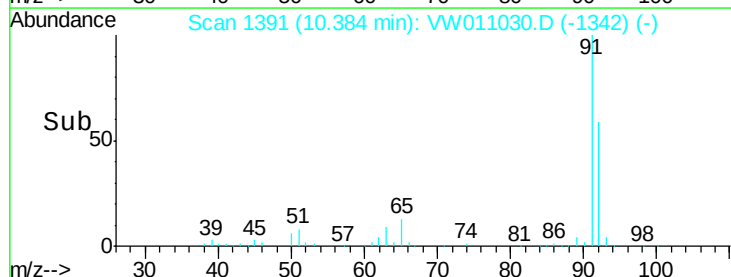
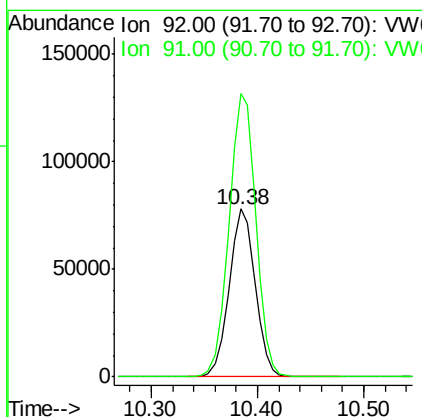
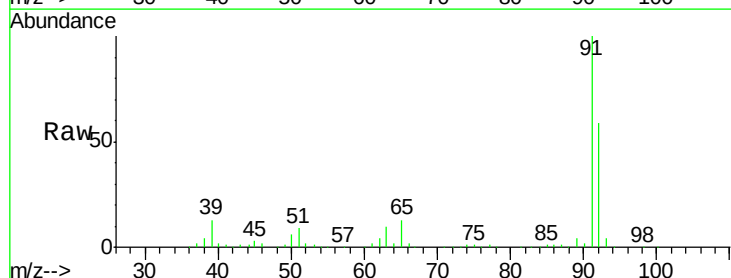
Manual Integrations
APPROVED

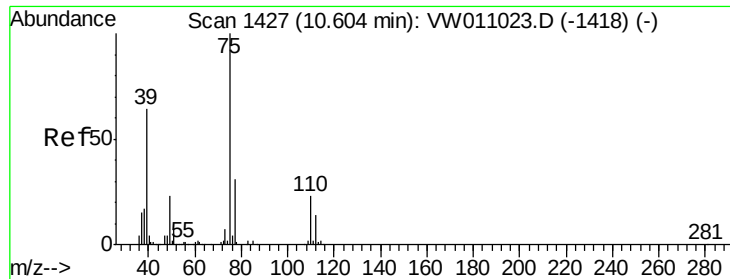
MMDadoda
7/2/2019 8:28:28 AM



#52
Toluene
Concen: 20.590 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	92	Resp	133873
Ion Ratio	92	100	
Lower	91	173.6	136.9
Upper			205.3





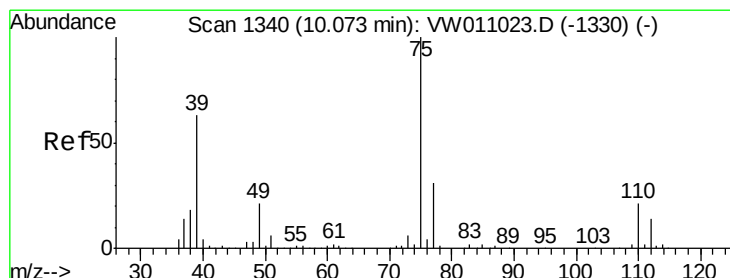
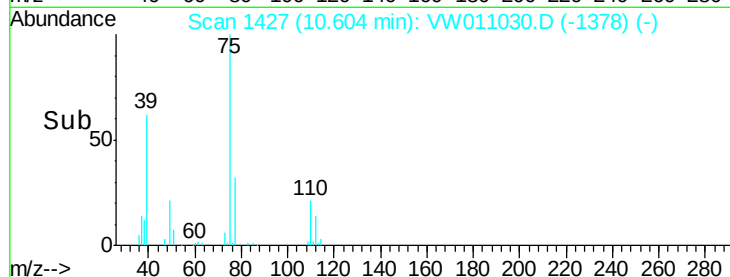
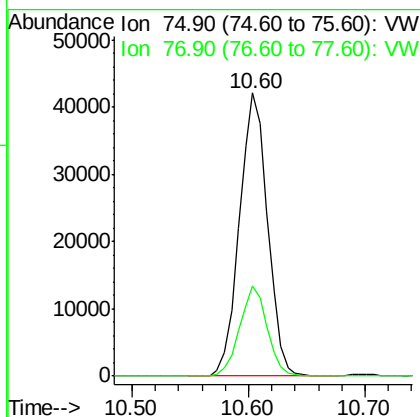
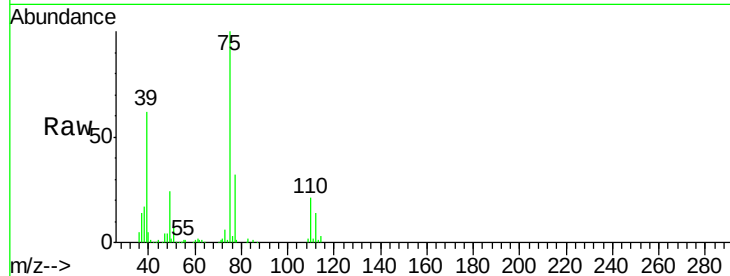
#53
t-1,3-Dichloropropene
Concen: 20.434 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion: 75 Resp: 71072
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

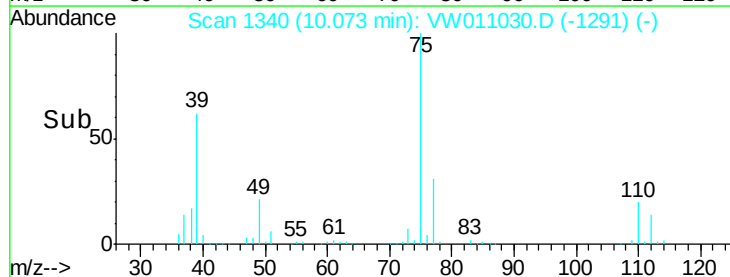
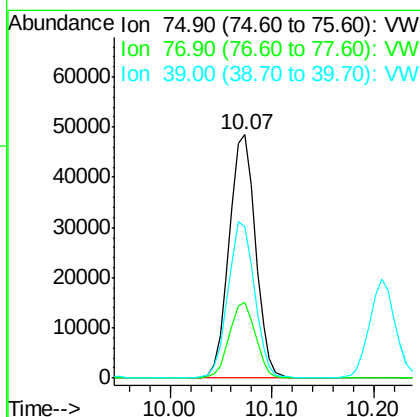
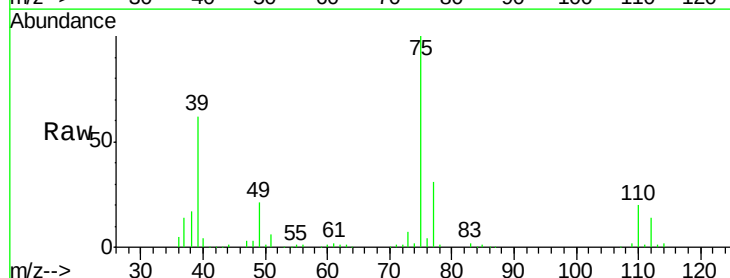
Manual Integrations
APPROVED

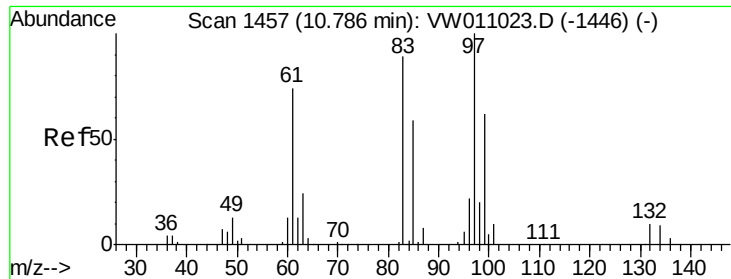
MMDadoda
7/2/2019 8:28:28 AM



#54
cis-1,3-Dichloropropene
Concen: 20.896 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 75 Resp: 86701
Ion Ratio Lower Upper
75 100
77 31.2 24.8 37.2
39 62.2 50.0 75.0





#55

1,1,2-Trichloroethane

Concen: 21.652 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

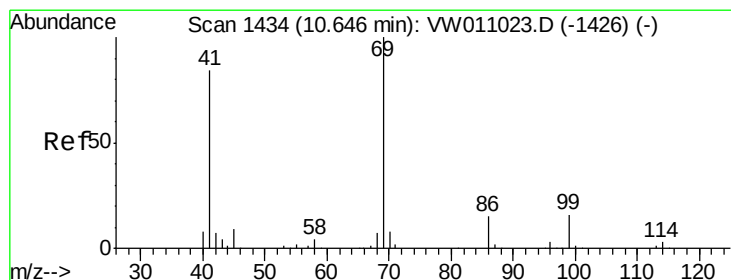
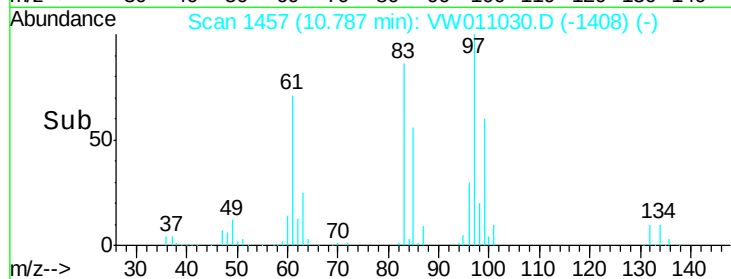
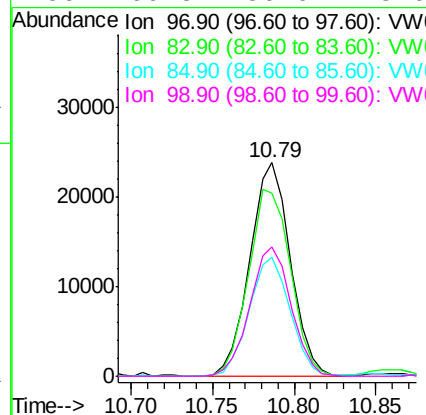
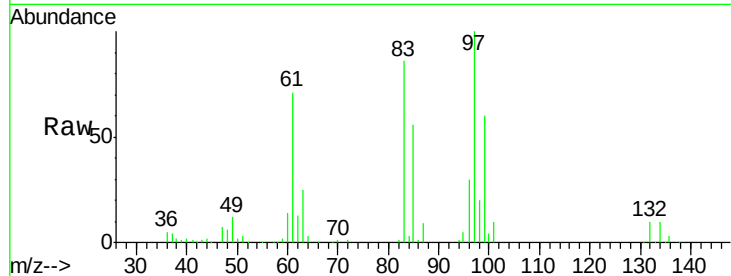
ClientSampleId :

VW0628SBS01

Tot Ion:	97	Resp:	41258
Ion	Ratio	Lower	Upper
97	100		
83	85.7	70.9	106.3
85	56.0	47.2	70.8
99	60.3	50.0	75.0

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#56

Ethyl methacrylate

Concen: 22.143 ug/l

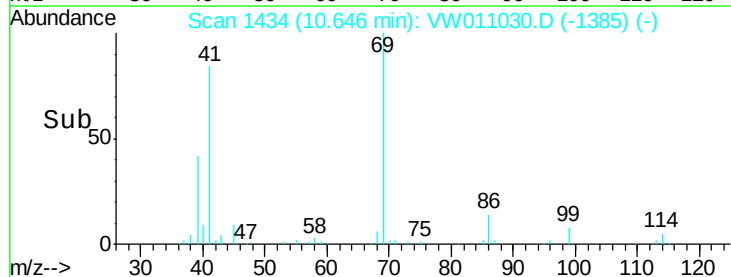
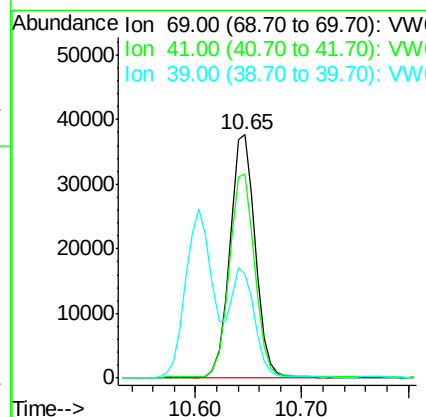
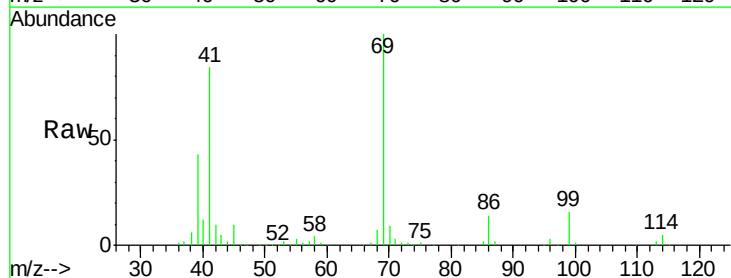
RT: 10.65 min Scan# 1434

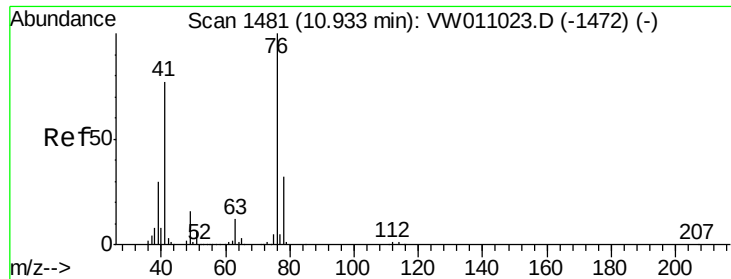
Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion:	69	Resp:	63182
Ion	Ratio	Lower	Upper
69	100		
41	83.0	67.9	101.9
39	40.1	33.2	49.8





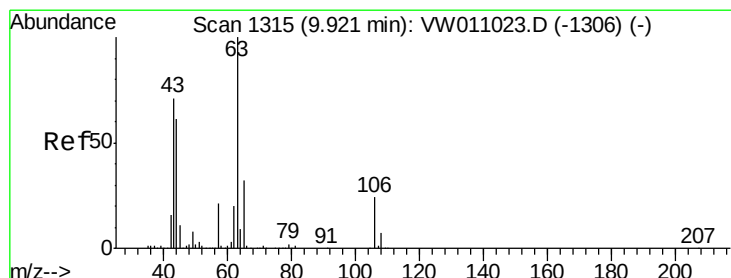
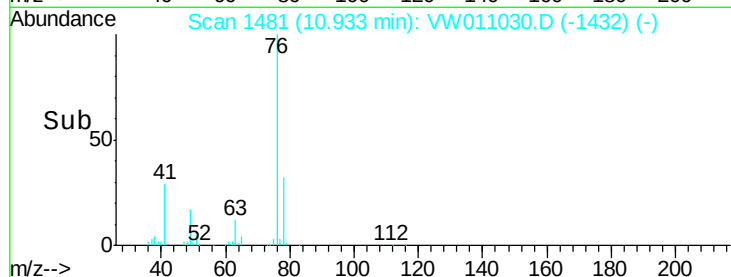
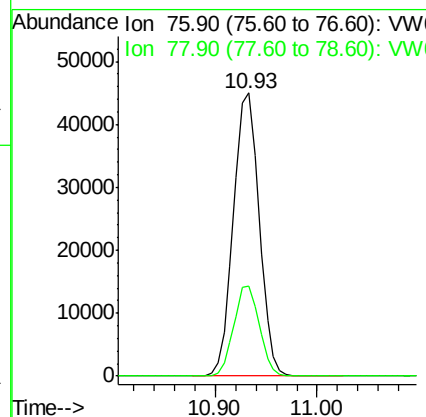
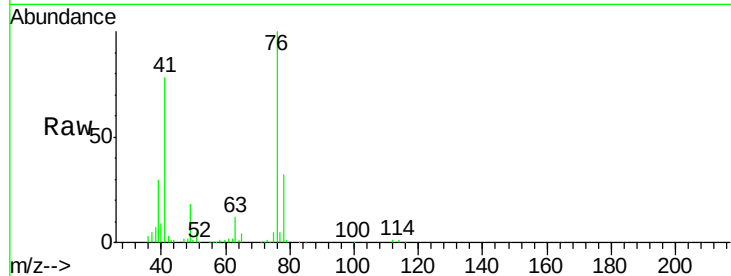
#57
 1,3-Dichloropropane
 Concen: 21.689 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampled :
 VW0628SBS01

Tot Ion: 76 Resp: 78614
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6

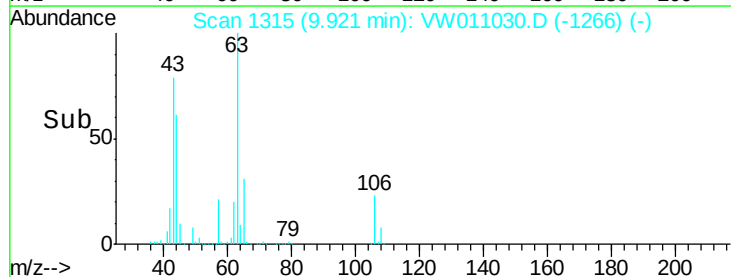
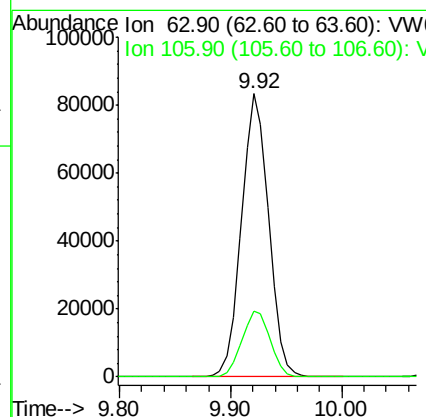
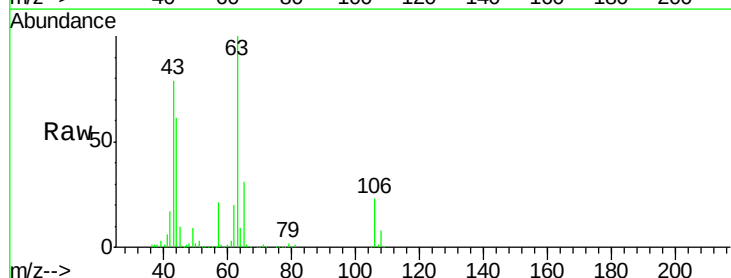
Manual Integrations
 APPROVED

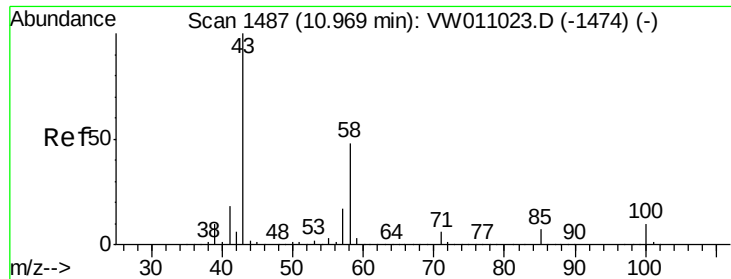
MMDadoda
 7/2/2019 8:28:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.350 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion: 63 Resp: 140548
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.4 29.0





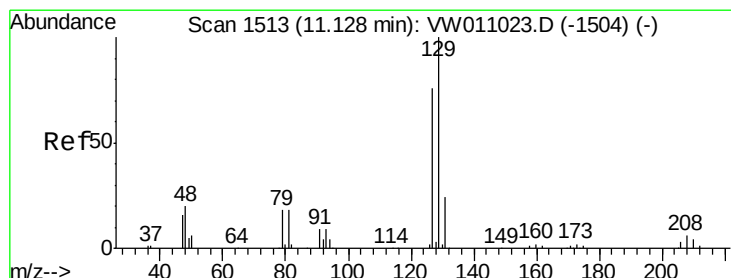
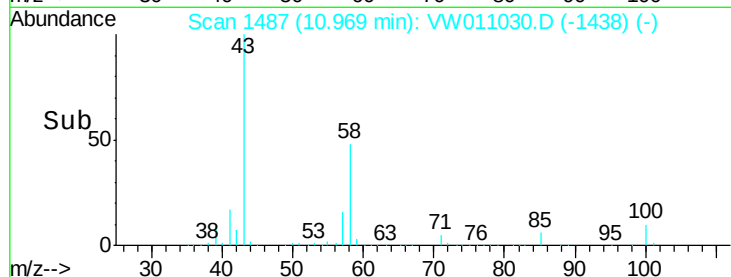
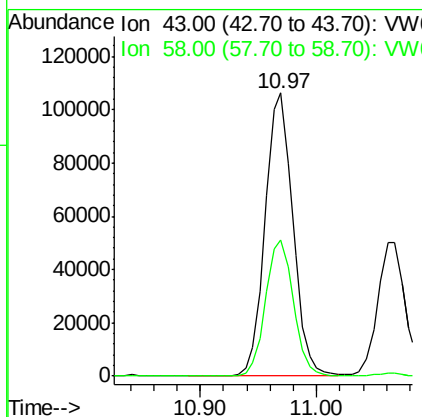
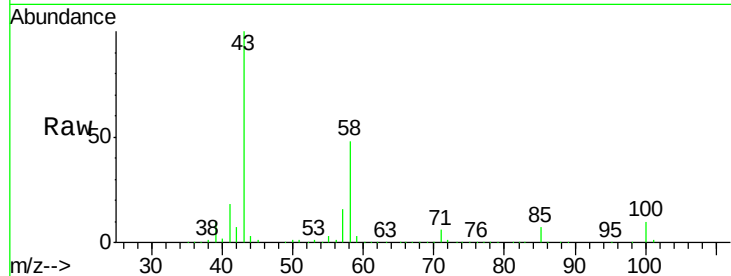
#59
2-Hexanone
Concen: 112.089 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion: 43 Resp: 174838
Ion Ratio Lower Upper
43 100
58 48.3 23.8 71.5

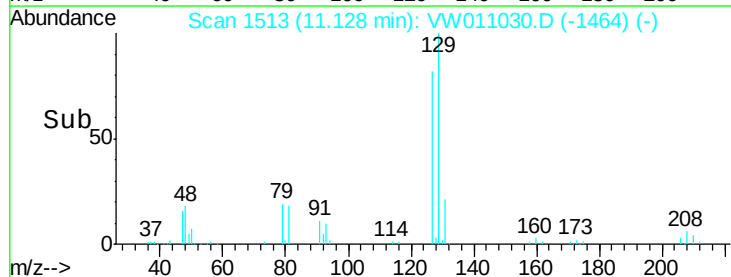
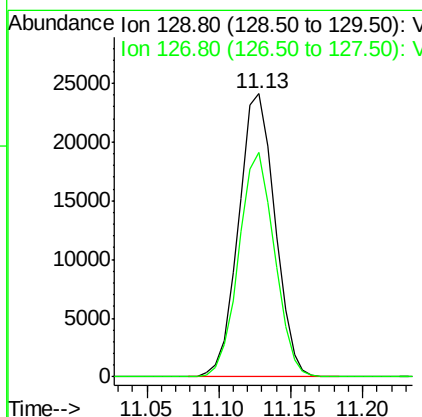
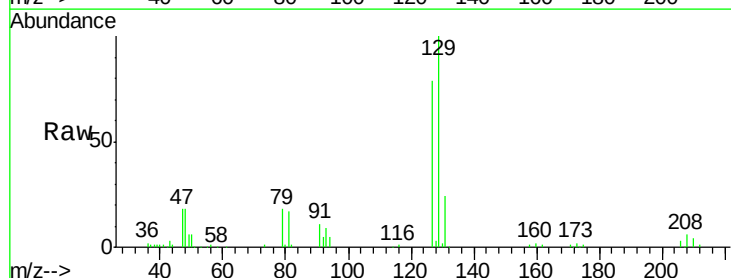
Manual Integrations
APPROVED

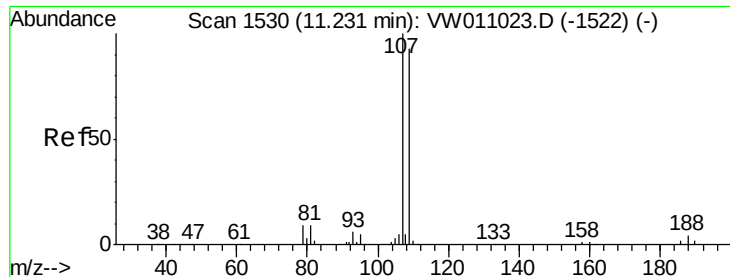
MMDadoda
7/2/2019 8:28:28 AM



#60
Dibromochloromethane
Concen: 21.149 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion: 129 Resp: 42259
Ion Ratio Lower Upper
129 100
127 77.9 39.4 118.1





#61

1,2-Dibromoethane

Concen: 21.670 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion: 107 Resp: 38657

Ion Ratio Lower Upper

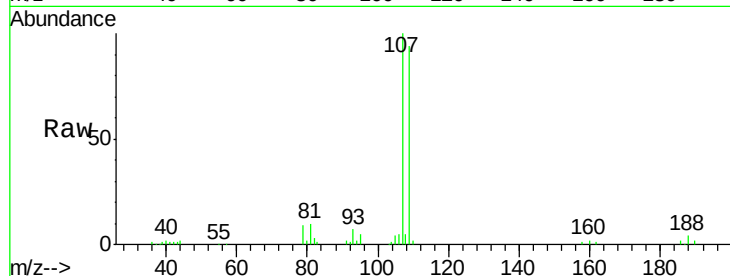
107 100

109 93.9 75.1 112.7

Manual Integrations
APPROVED

MMDadoda

7/2/2019 8:28:28 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

25000

20000

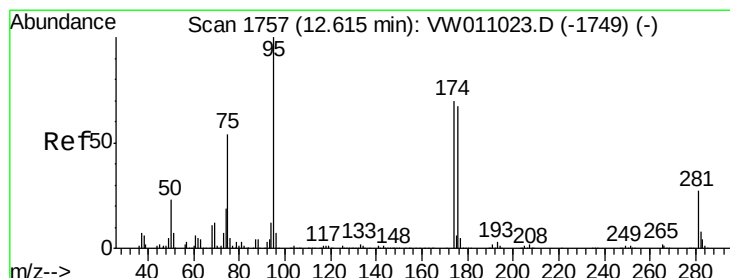
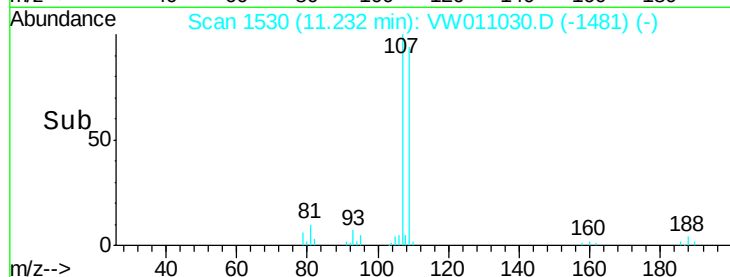
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.056 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

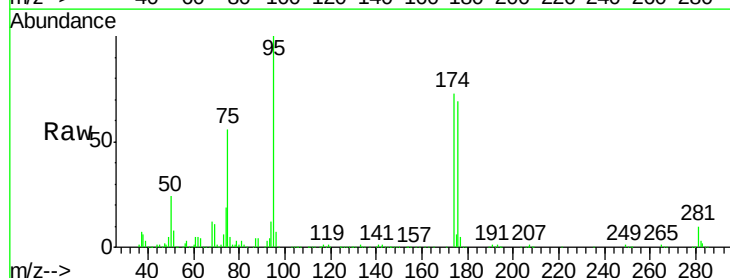
Tgt Ion: 95 Resp: 162010

Ion Ratio Lower Upper

95 100

174 75.0 0.0 149.2

176 71.9 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

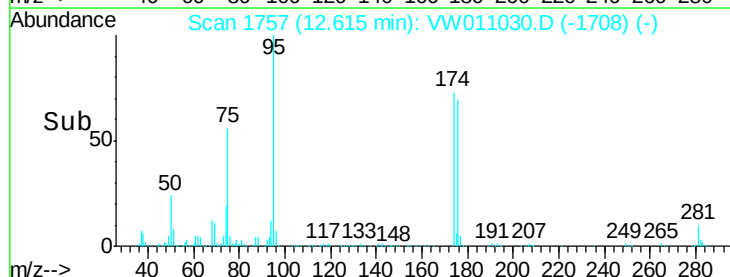
12.62

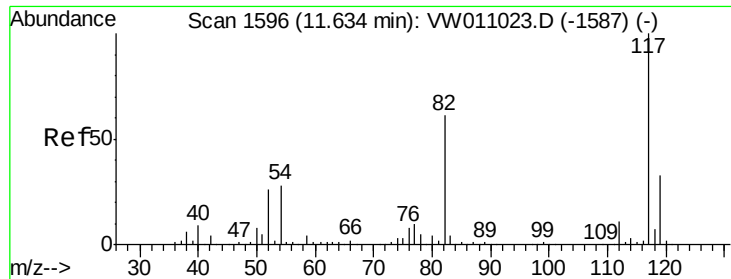
100000

50000

0

Time-->





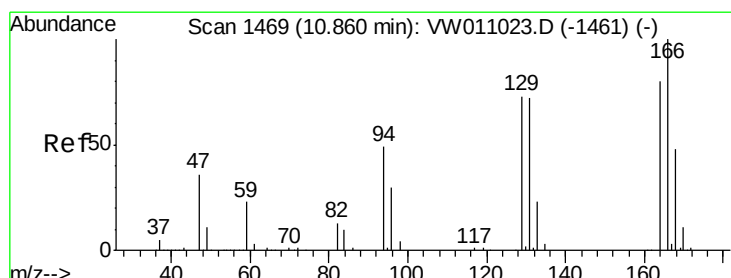
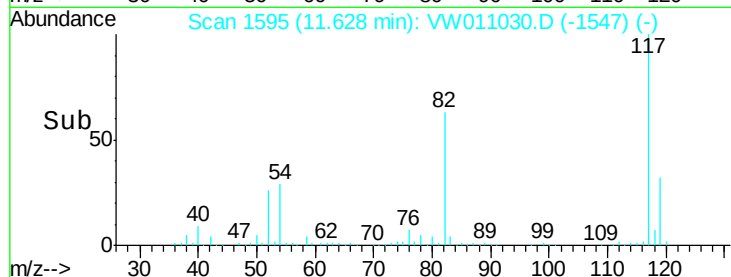
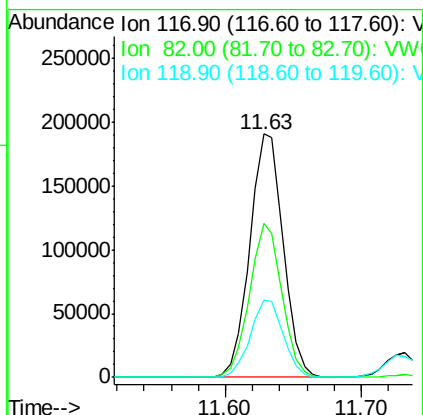
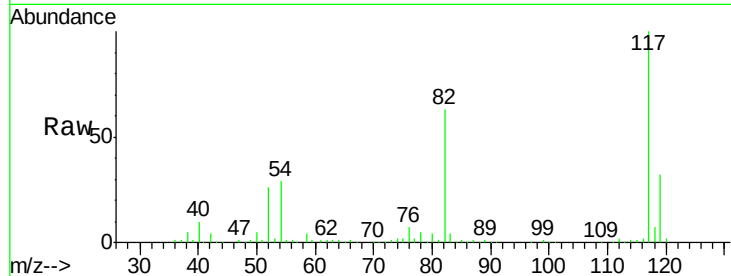
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	48.6	73.0
119	31.6	26.1	39.1

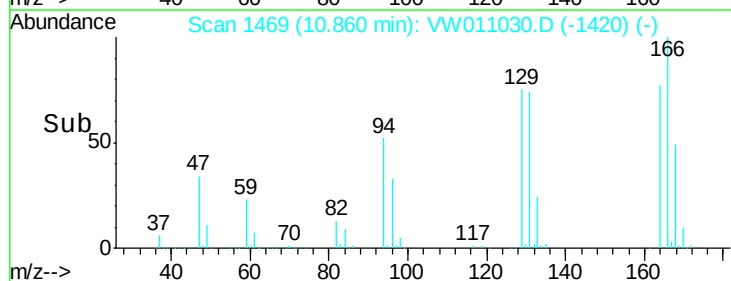
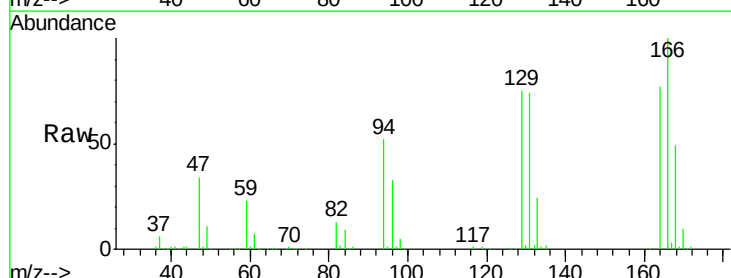
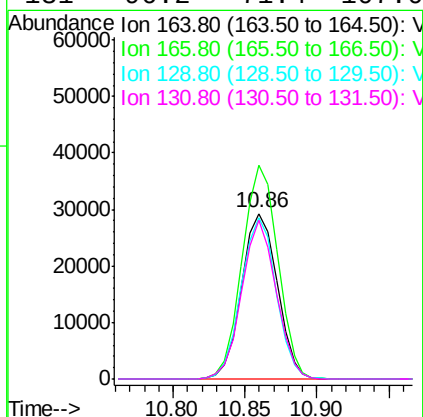
Manual Integrations
APPROVED

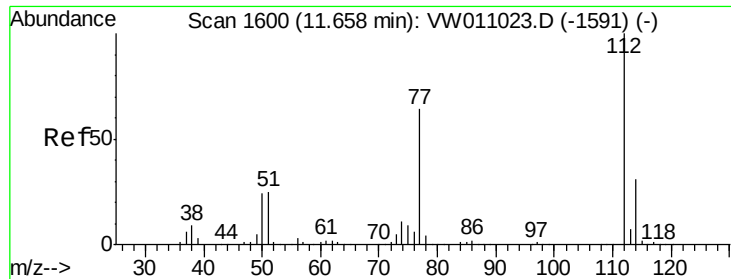
MMDadoda
7/2/2019 8:28:28 AM



#64
Tetrachloroethene
Concen: 22.286 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	99.8	149.6
129	97.5	73.0	109.4
131	96.2	71.4	107.0





#65

Chlorobenzene

Concen: 20.210 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion:112 Resp: 135673

Ion Ratio Lower Upper

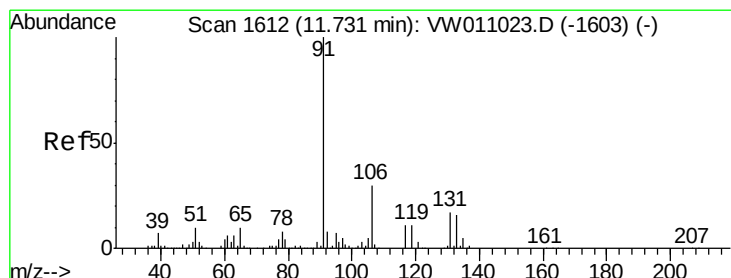
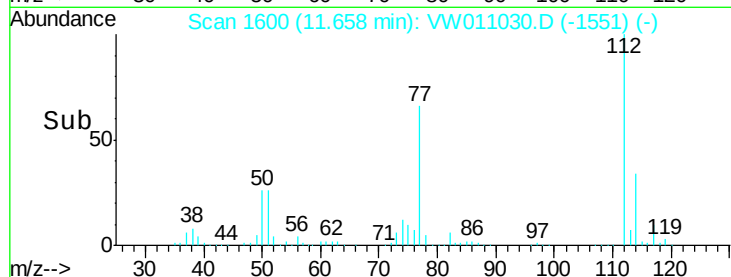
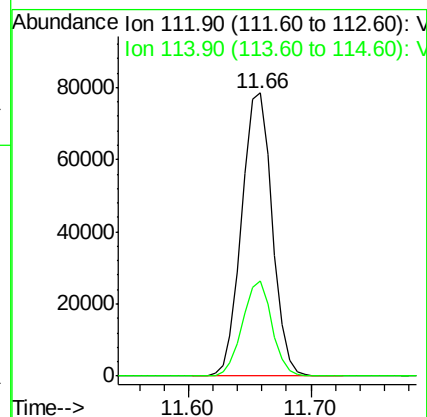
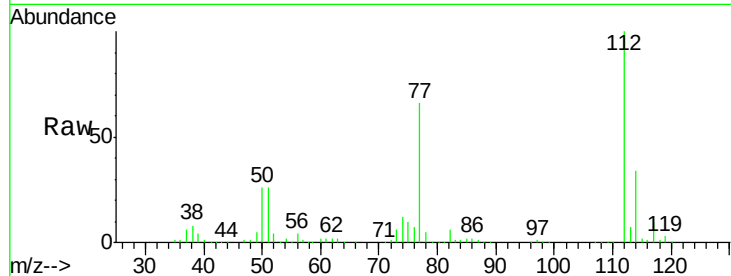
112 100

114 33.8 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

7/2/2019 8:28:28 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 20.678 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

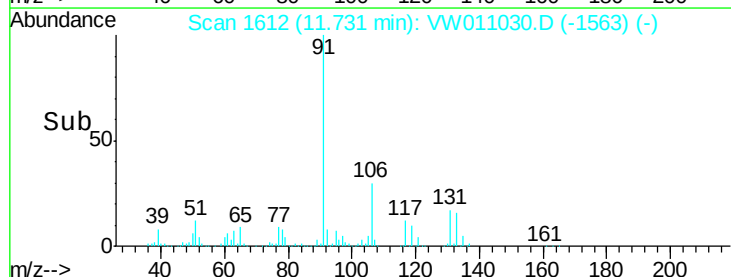
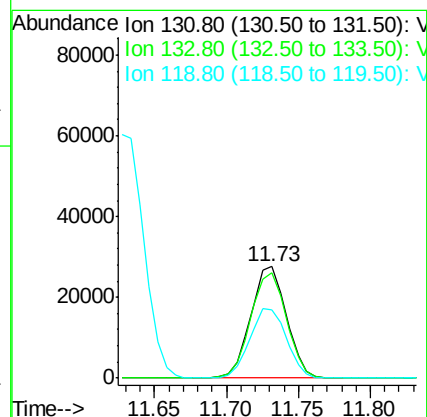
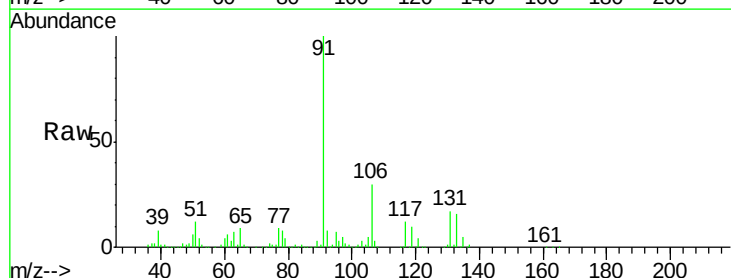
Tgt Ion:131 Resp: 47130

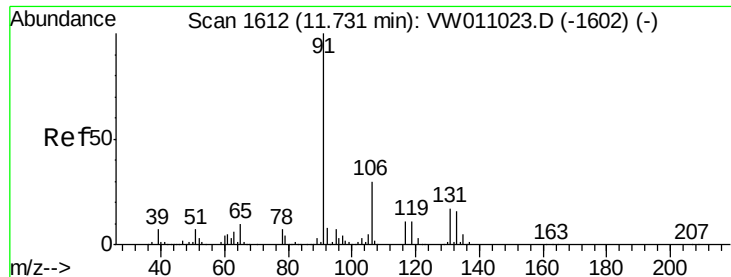
Ion Ratio Lower Upper

131 100

133 95.1 47.7 143.1

119 64.3 33.1 99.2





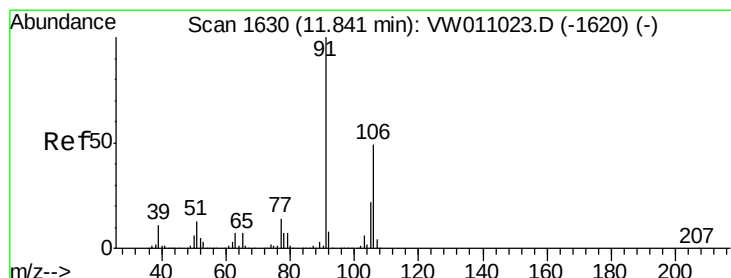
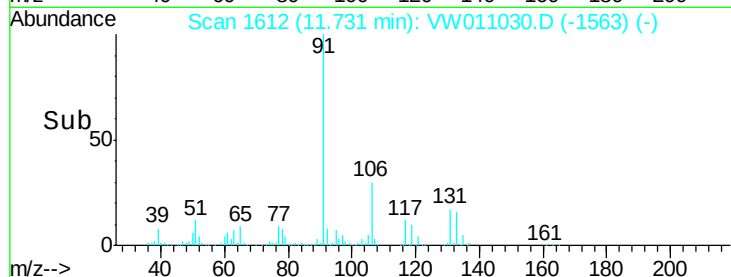
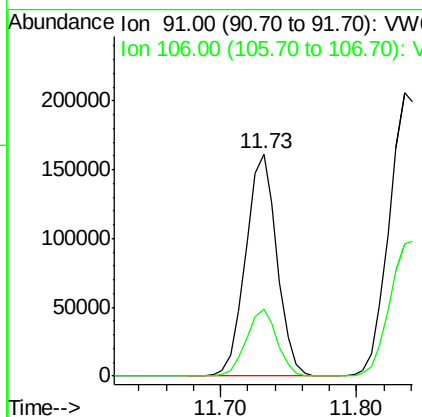
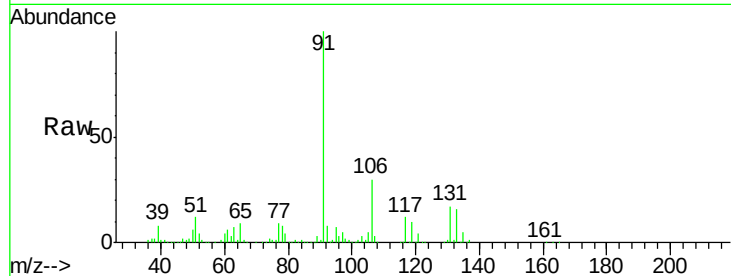
#67
Ethyl Benzene
Concen: 20.118 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	91	Resp	258666
Ion Ratio	100	Lower	Upper
106	30.1	23.8	35.6

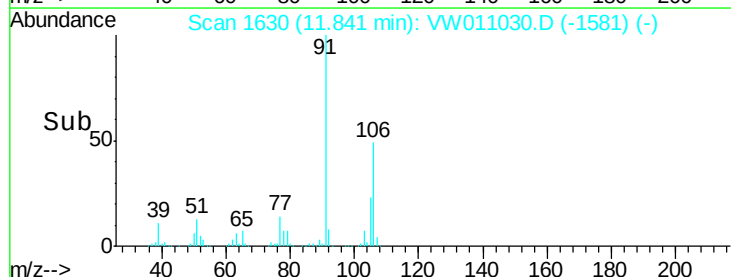
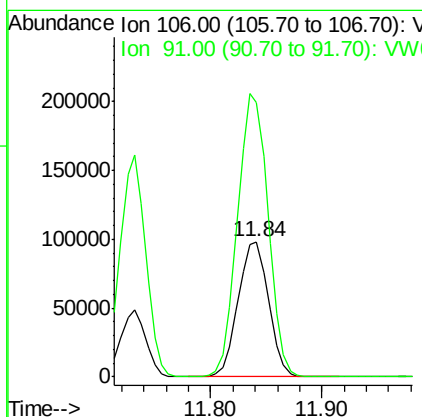
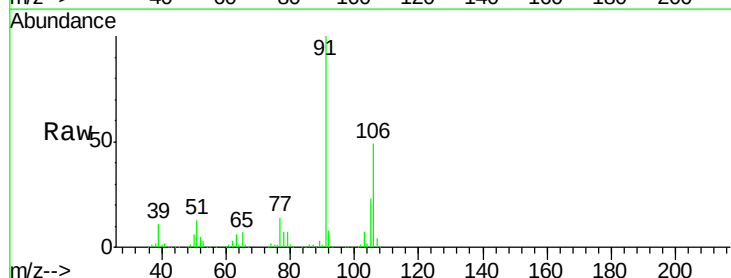
Manual Integrations
APPROVED

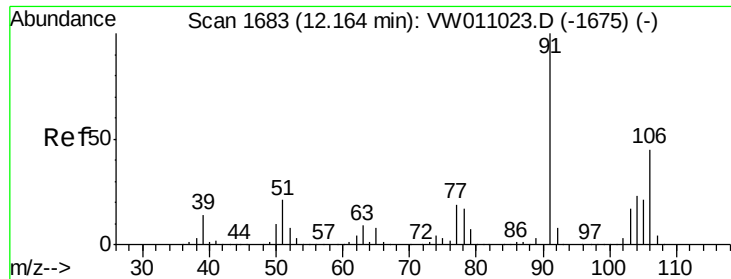
MMDadoda
7/2/2019 8:28:28 AM



#68
m/p-Xylenes
Concen: 39.994 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	106	Resp	186595
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	209.6	167.5	251.3





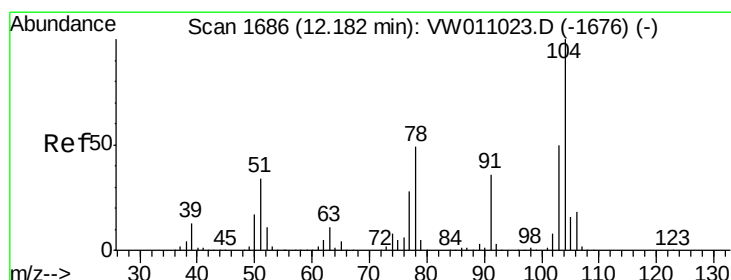
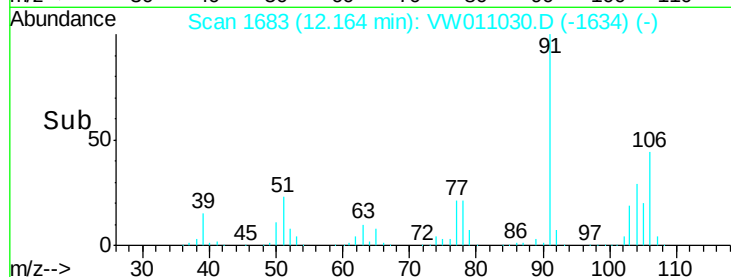
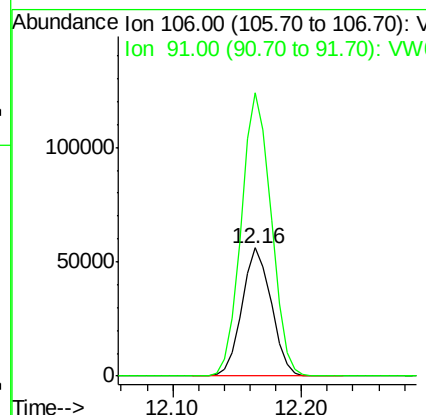
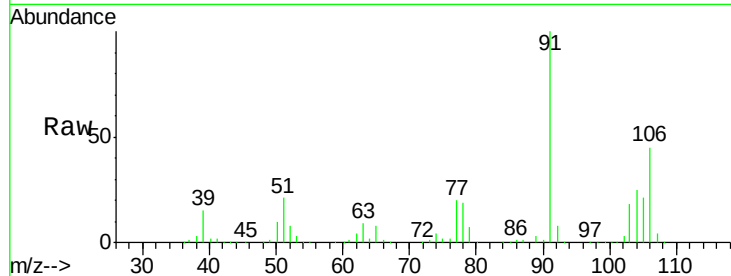
#69
o-Xylene
Concen: 20.353 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampled :
VW0628SBS01

Tot Ion:106 Resp: 88447
Ion Ratio Lower Upper
106 100
91 224.0 110.8 332.3

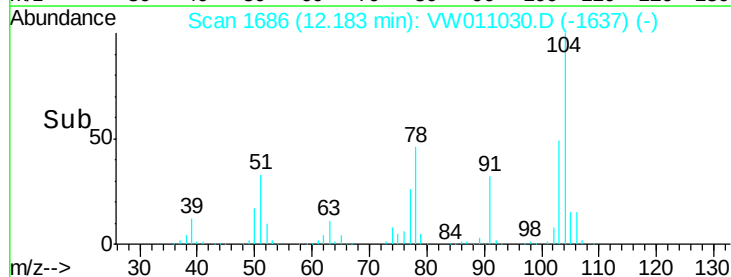
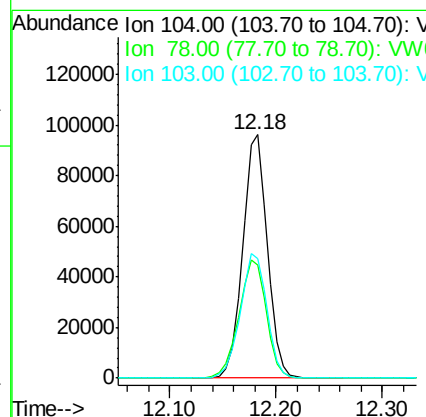
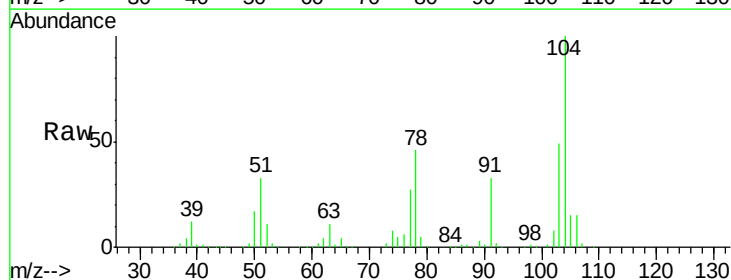
Manual Integrations
APPROVED

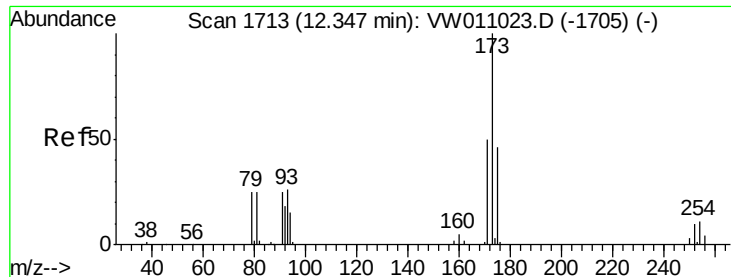
MMDadoda
7/2/2019 8:28:28 AM



#70
Styrene
Concen: 20.641 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion:104 Resp: 155874
Ion Ratio Lower Upper
104 100
78 54.2 43.7 65.5
103 55.7 43.9 65.9





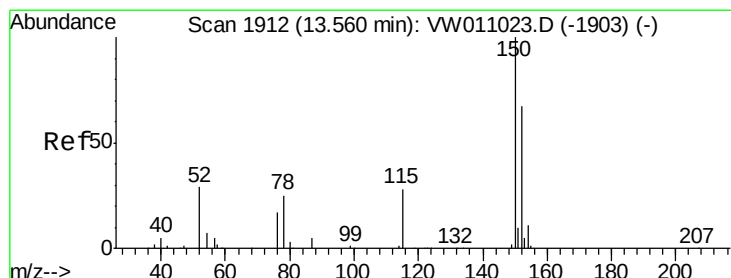
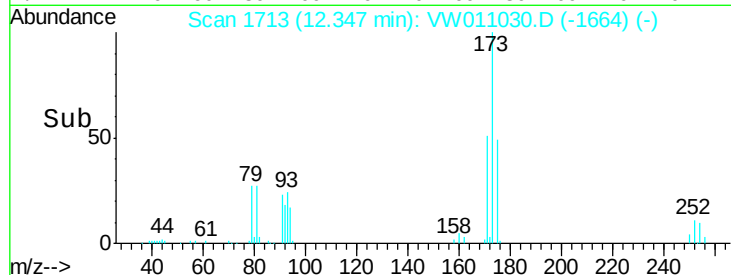
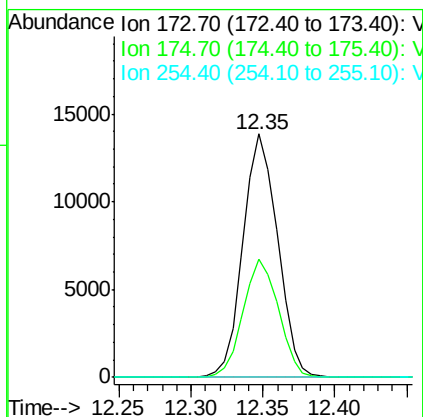
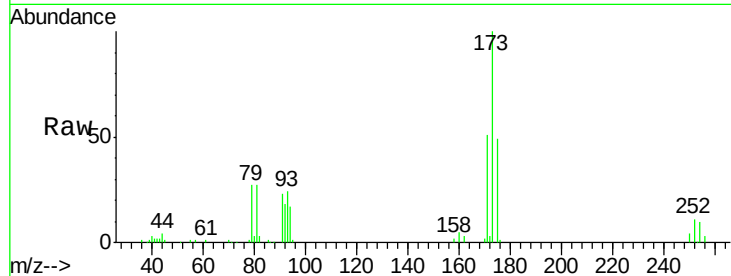
#71
Bromoform
Concen: 20.809 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.2
254	0.0	0.0	0.0

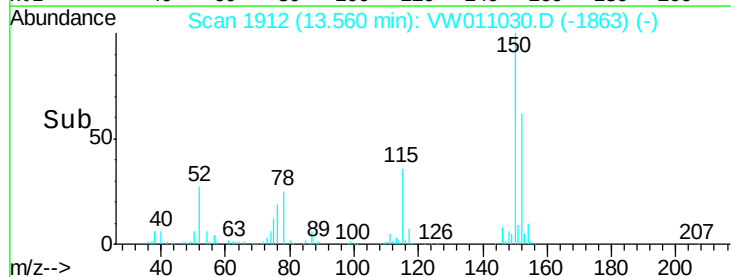
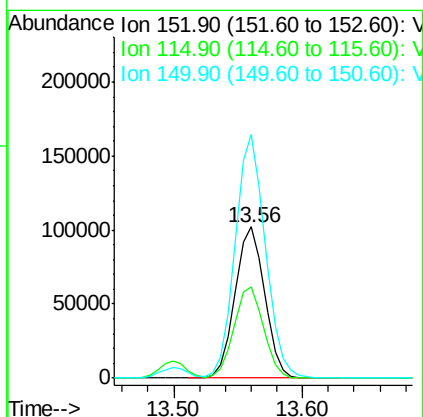
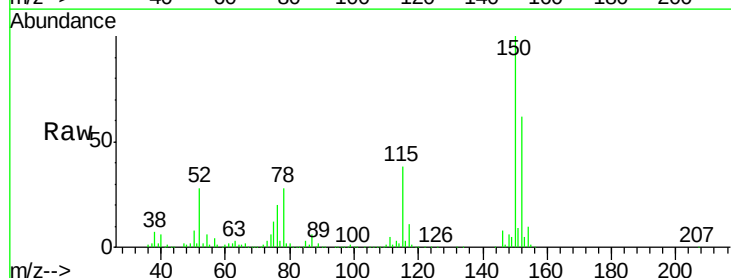
Manual Integrations
APPROVED

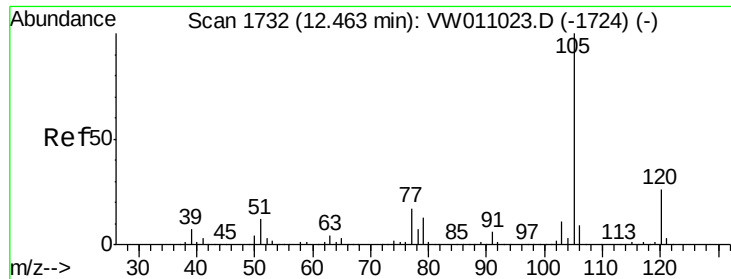
MMDadoda
7/2/2019 8:28:28 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.7	92.1
150	163.8	0.0	341.8





#73

Isopropylbenzene

Concen: 19.744 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion:105 Resp: 241233

Ion Ratio Lower Upper

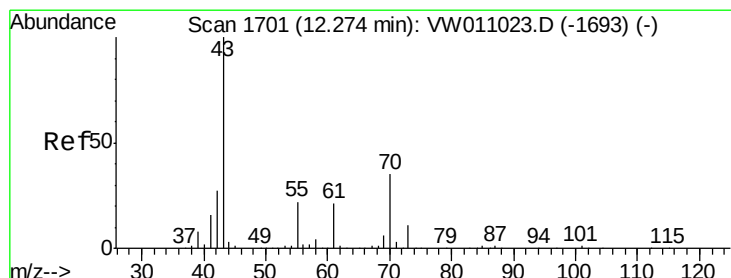
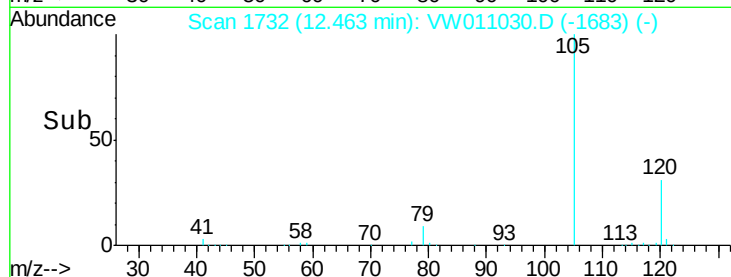
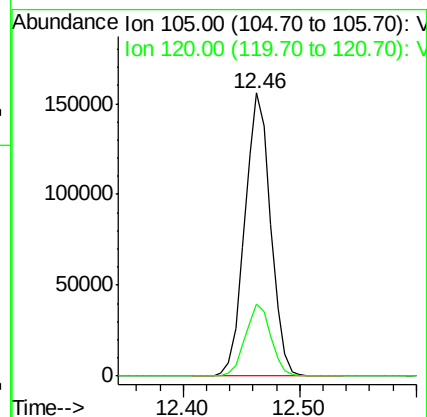
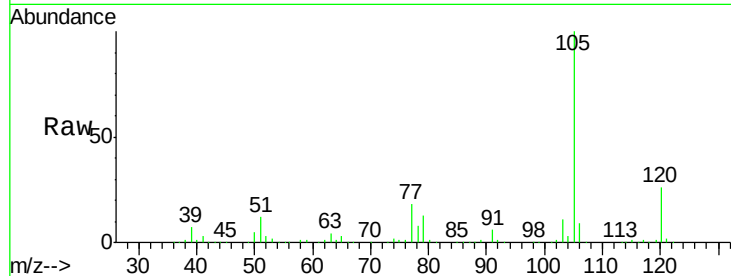
105 100

120 25.4 12.9 38.6

Manual Integrations
APPROVED

MMDadoda

7/2/2019 8:28:28 AM



#74

N-ethyl acetate

Concen: 21.569 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion: 43 Resp: 88506

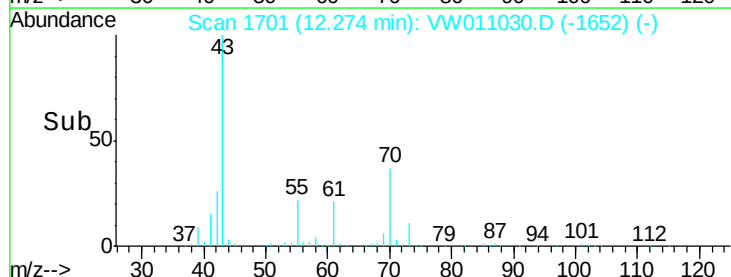
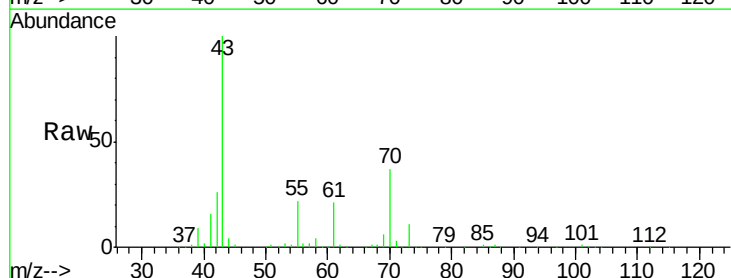
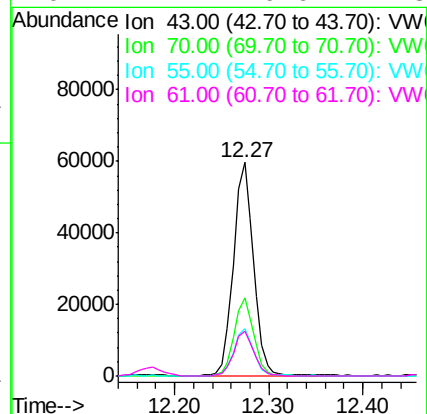
Ion Ratio Lower Upper

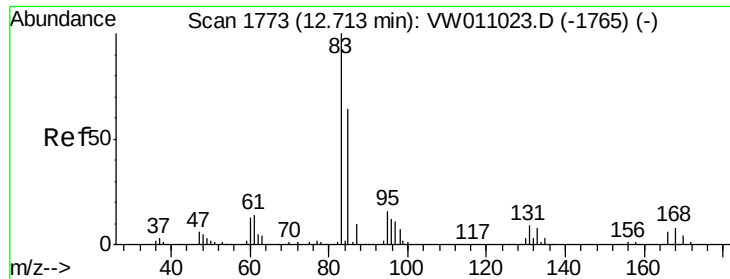
43 100

70 35.9 28.2 42.4

55 22.2 17.8 26.8

61 21.1 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.256 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

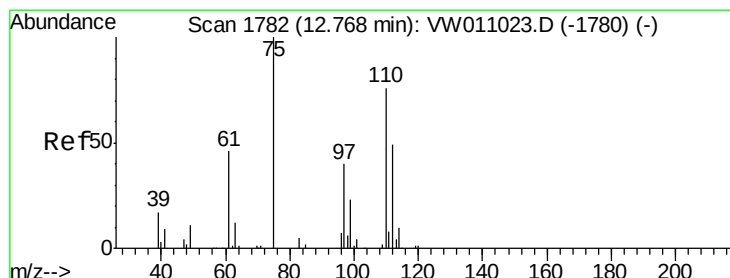
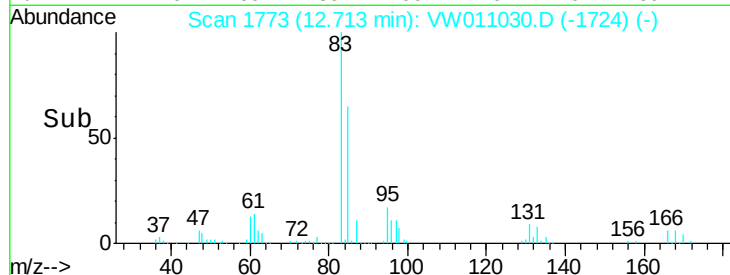
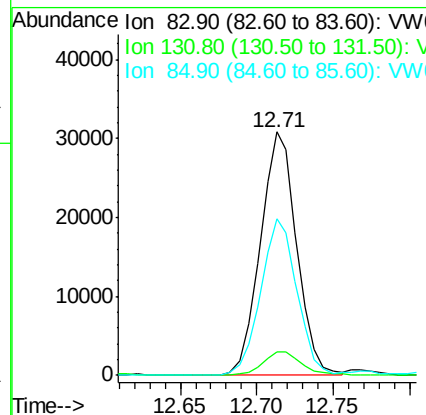
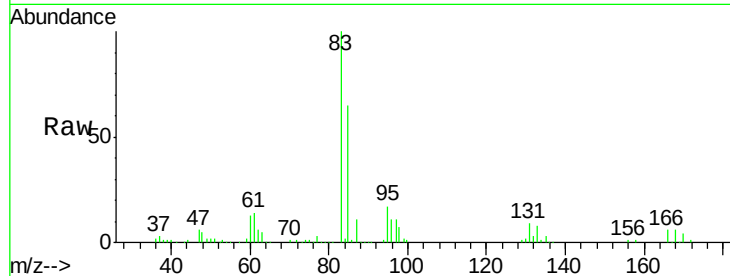
ClientSampleId :

VW0628SBS01

Tot Ion:	83	Resp:	51000
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.4	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#76

1,2,3-Trichloropropane

Concen: 24.141 ug/l m

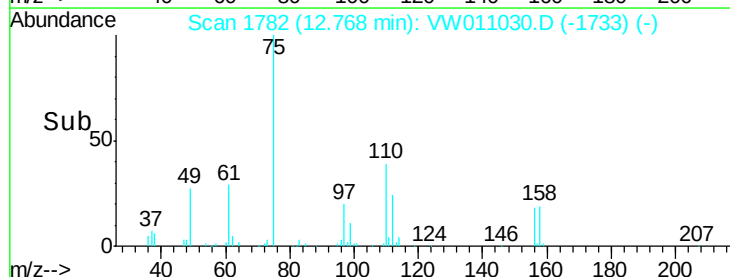
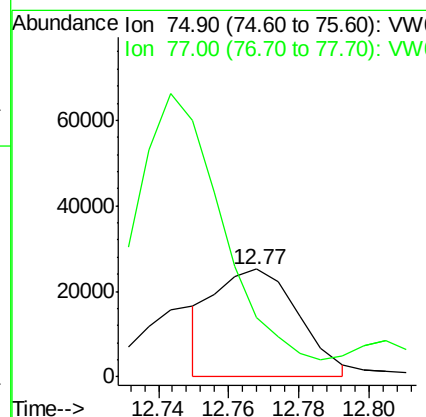
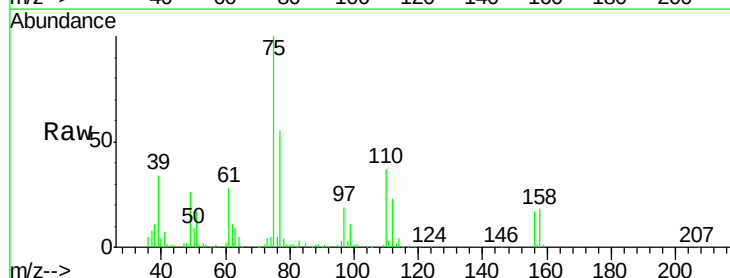
RT: 12.77 min Scan# 1782

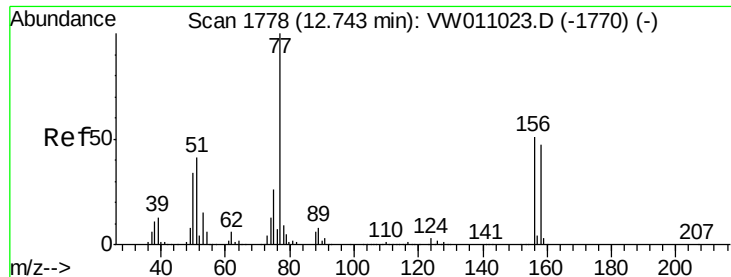
Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion:	75	Resp:	41567
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.258 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

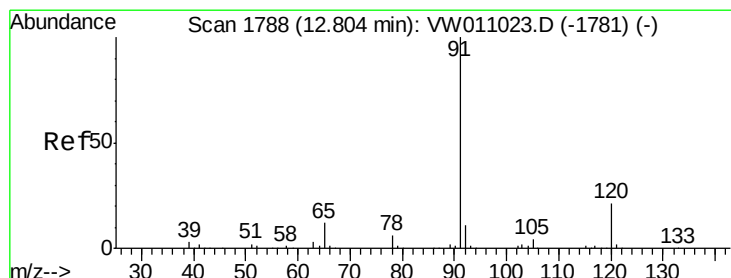
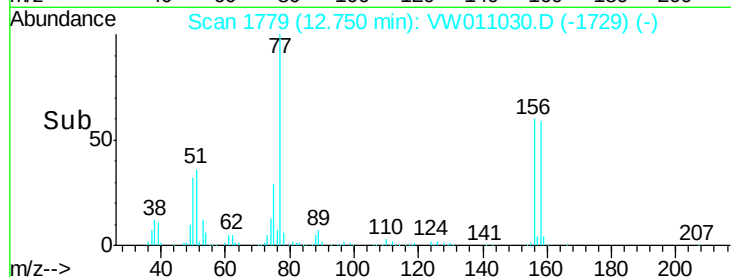
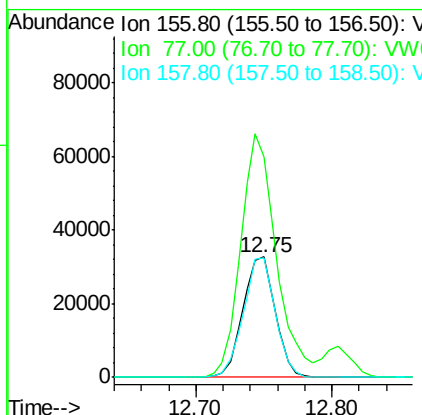
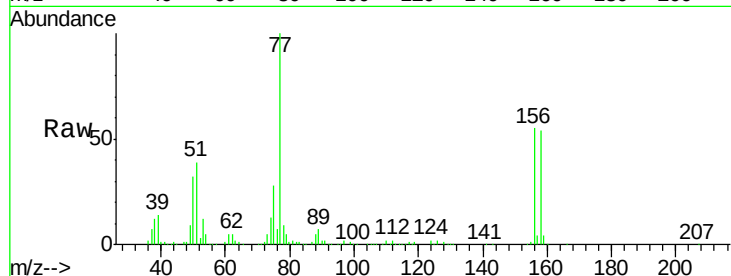
ClientSampleId :

VW0628SBS01

Tot Ion	156	Resp	54404
Ion Ratio	Lower	Upper	
156	100		
77	221.7	109.5	328.5
158	98.3	48.6	145.9

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#78

n-propylbenzene

Concen: 19.577 ug/l

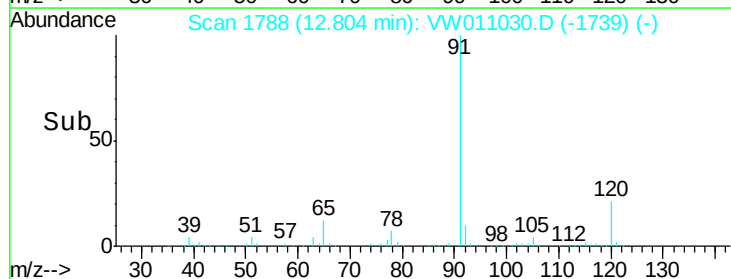
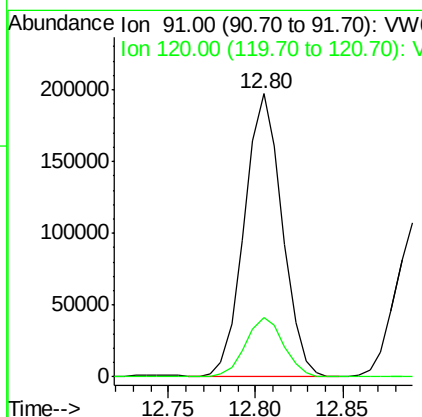
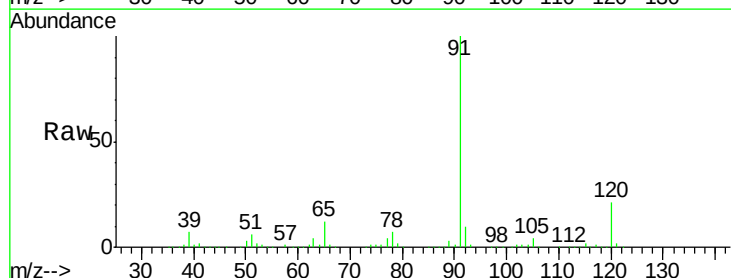
RT: 12.80 min Scan# 1788

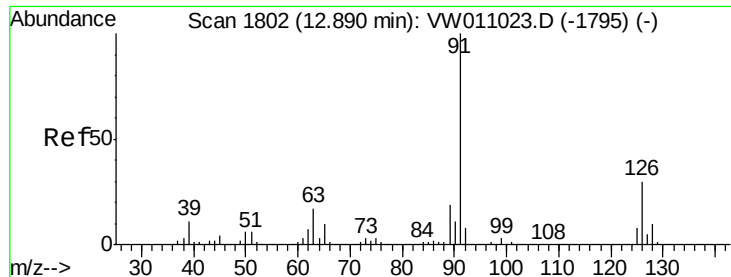
Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Tgt Ion	91	Resp	296213
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.5	31.6





#79

2-Chlorotoluene

Concen: 20.080 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion: 91 Resp: 173574

Ion Ratio Lower Upper

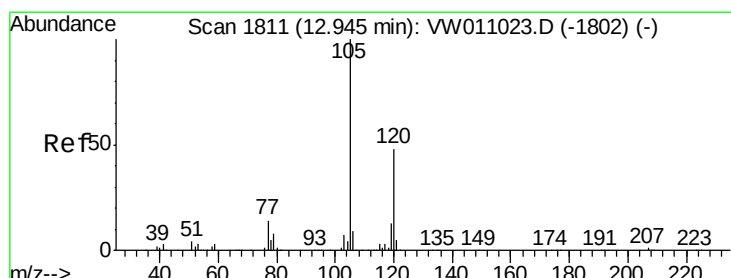
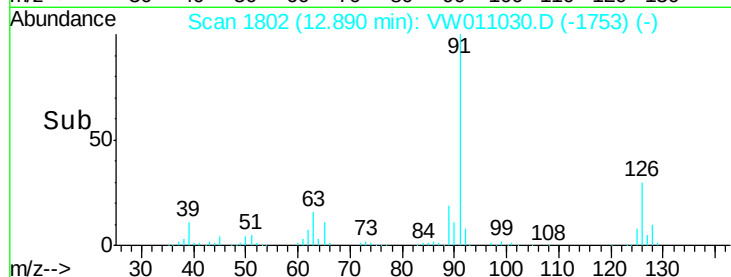
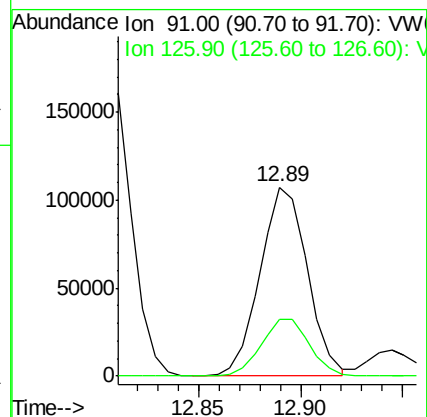
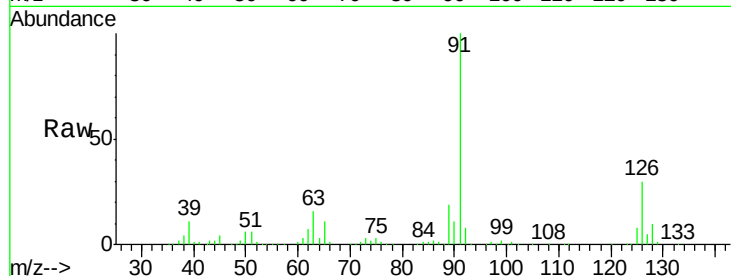
91 100

126 31.0 15.4 46.4

Manual Integrations
APPROVED

MMDadoda

7/2/2019 8:28:28 AM



#80

1,3,5-Trimethylbenzene

Concen: 19.910 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011030.D

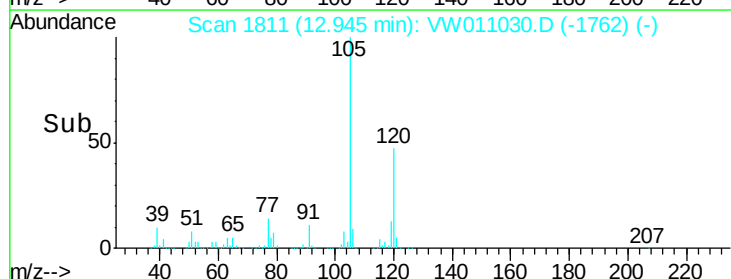
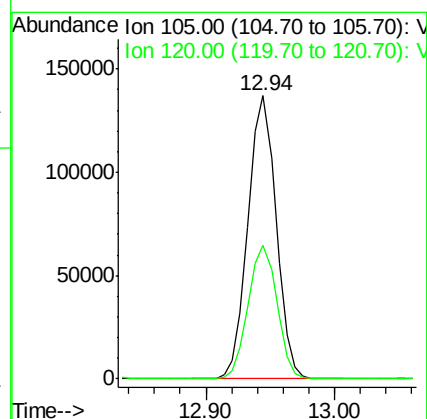
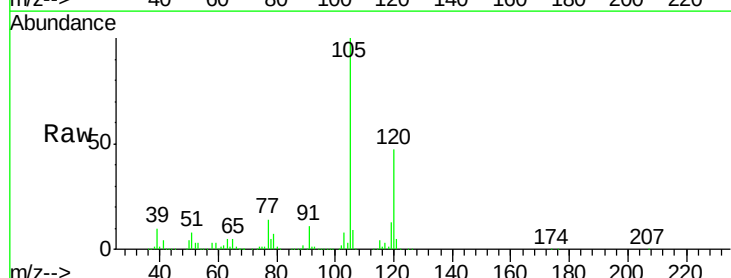
Acq: 27 Jun 2019 22:12

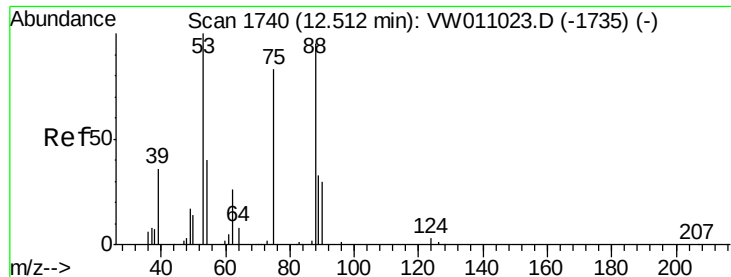
Tgt Ion:105 Resp: 206187

Ion Ratio Lower Upper

105 100

120 48.5 23.8 71.5





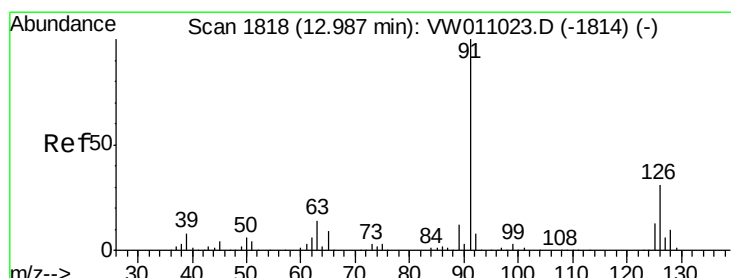
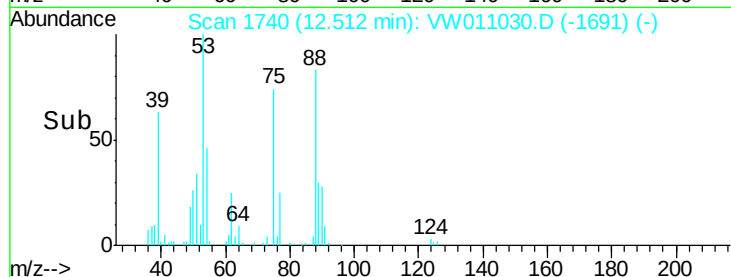
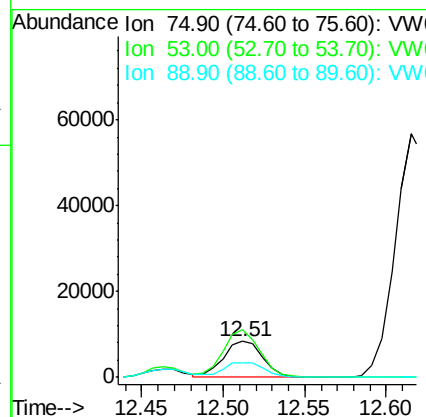
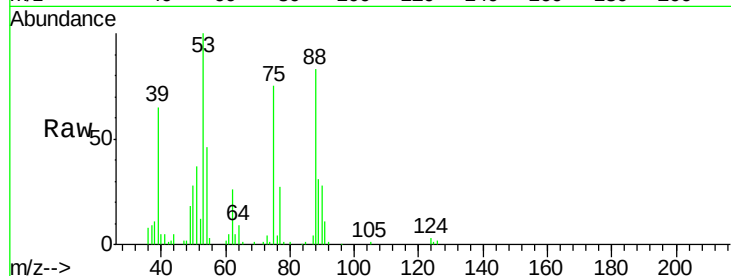
#81
trans-1,4-Dichloro-2-butene
Concen: 20.153 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	125.0	95.6	143.4
89	42.5	34.4	51.6

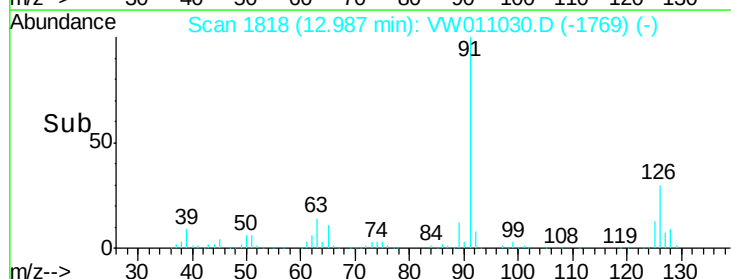
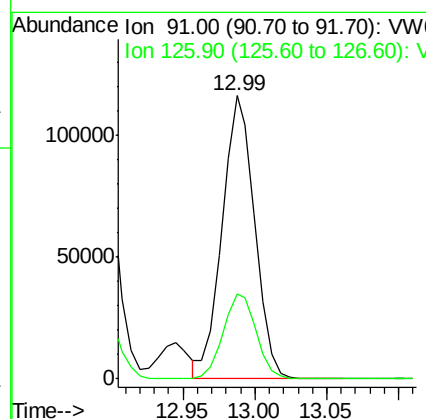
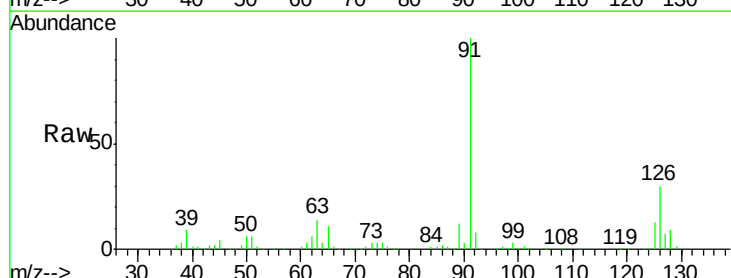
Manual Integrations
APPROVED

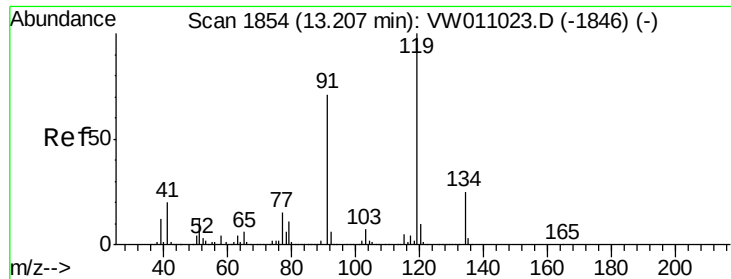
MMDadoda
7/2/2019 8:28:28 AM



#82
4-Chlorotoluene
Concen: 20.410 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.7	47.1





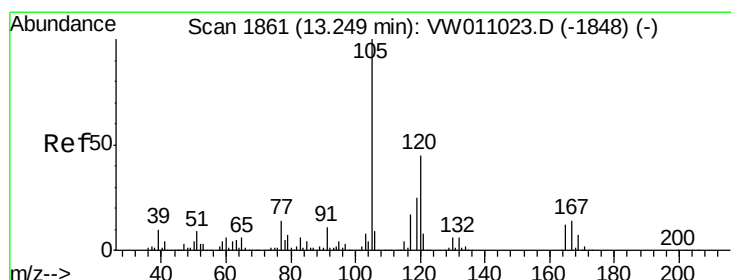
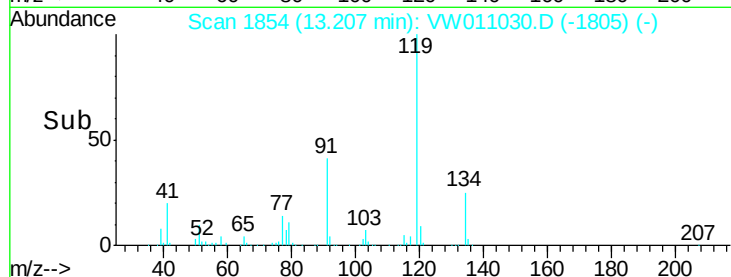
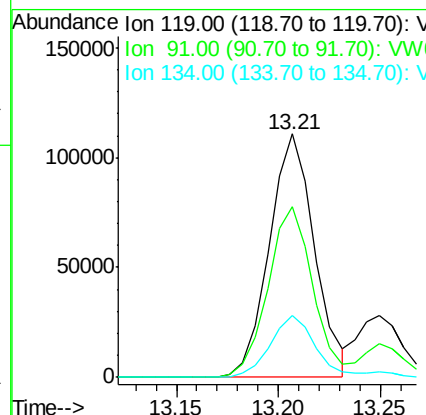
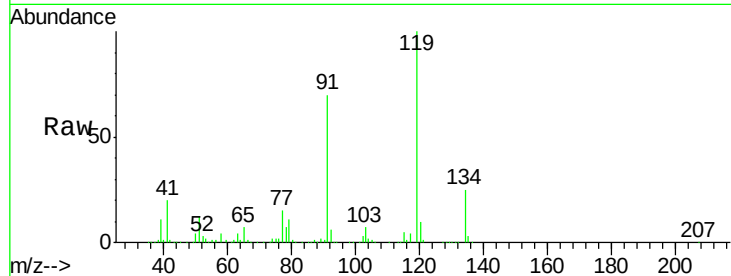
#83
 tert-Butylbenzene
 Concen: 19.787 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	35.5	106.5
134	25.0	12.4	37.2

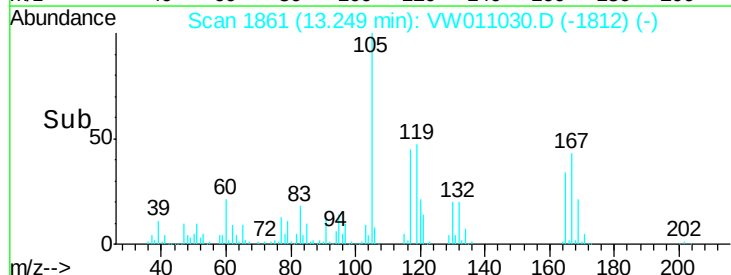
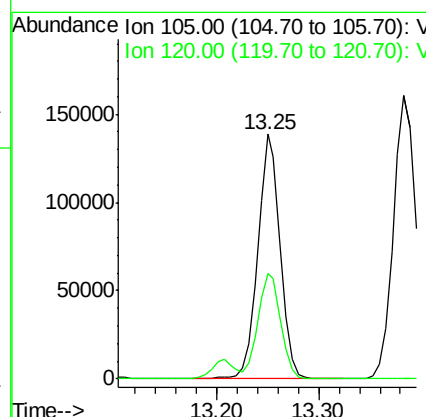
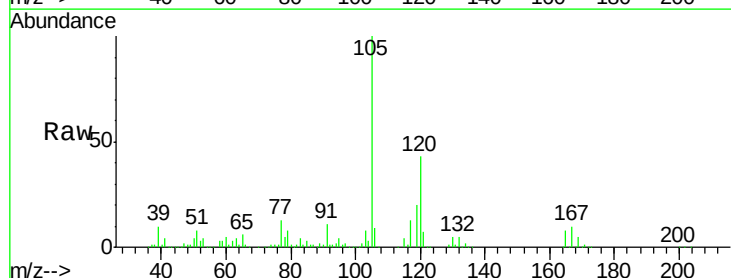
Manual Integrations
 APPROVED

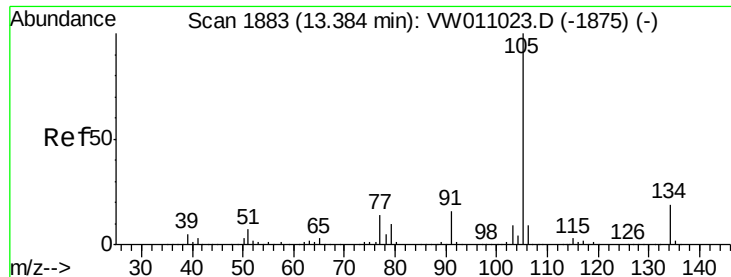
MMDadoda
 7/2/2019 8:28:28 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.275 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.4	67.2





#85

sec-Butylbenzene

Concen: 19.648 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

Instrument :

MSVOA_W

ClientSampleId :

VW0628SBS01

Tot Ion:105 Resp: 246482

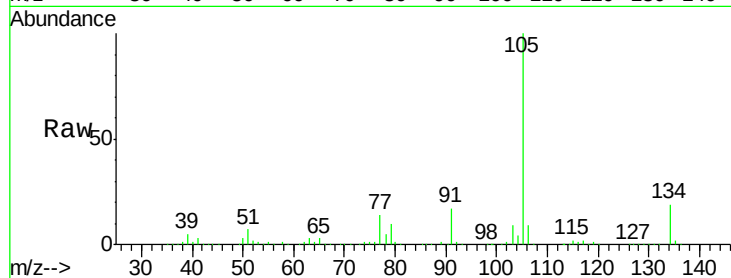
Ion Ratio Lower Upper

105 100

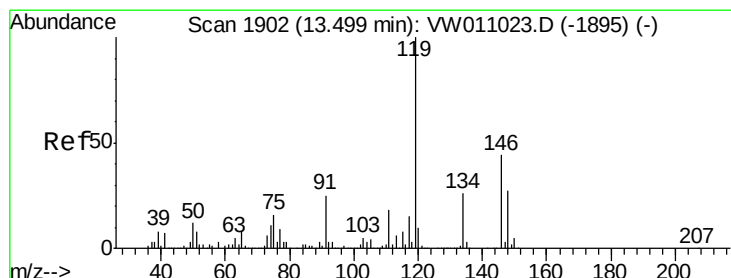
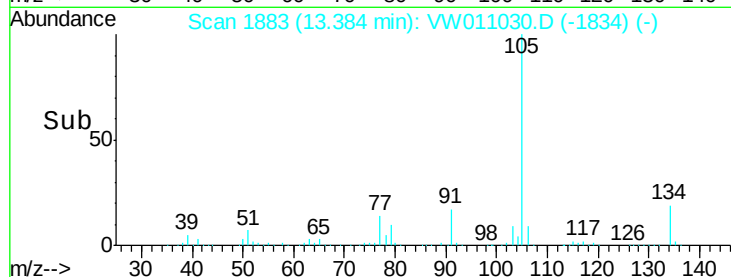
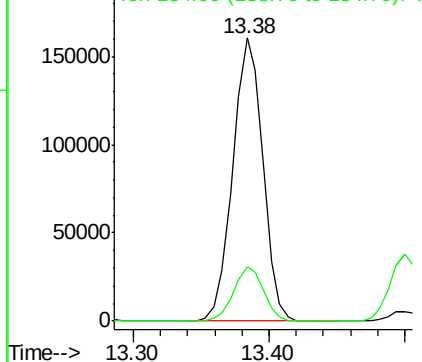
134 19.0 9.6 28.8

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.462 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011030.D

Acq: 27 Jun 2019 22:12

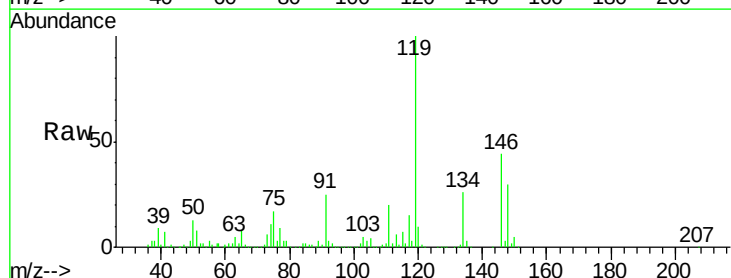
Tgt Ion:119 Resp: 219703

Ion Ratio Lower Upper

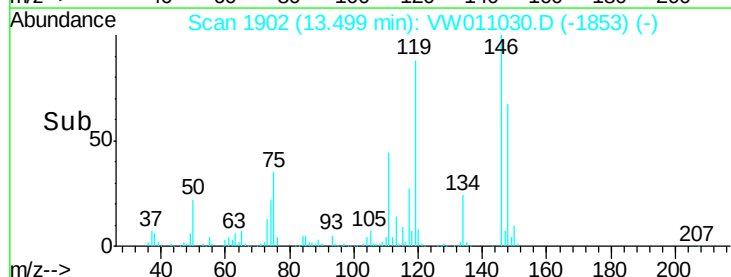
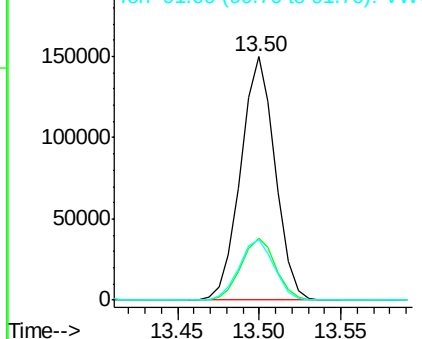
119 100

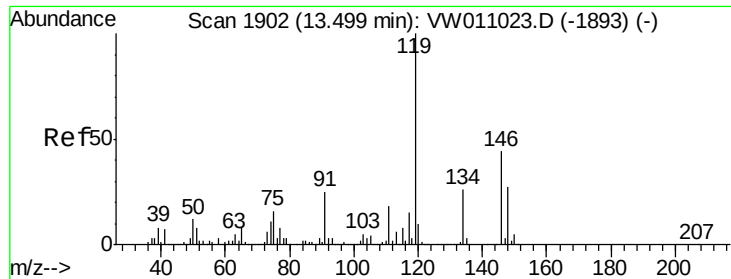
134 25.7 12.9 38.7

91 25.2 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





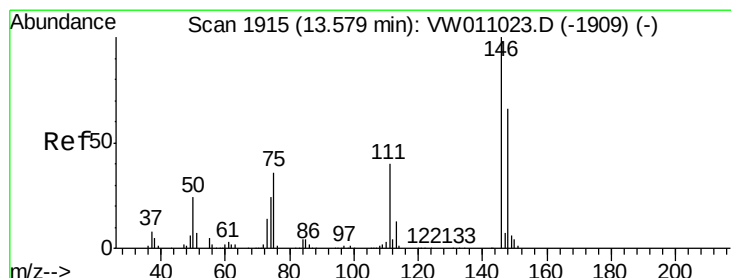
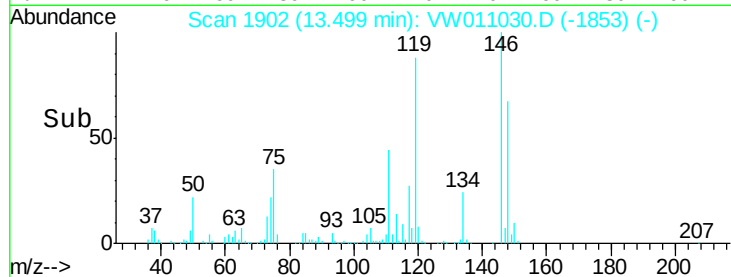
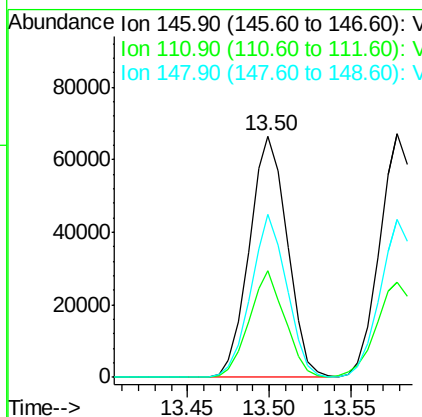
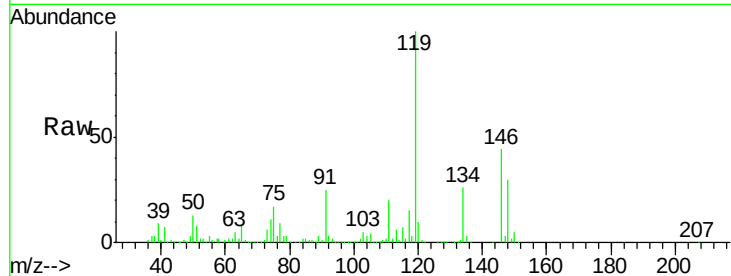
#87
 1,3-Dichlorobenzene
 Concen: 20.263 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.9	62.8
148	64.0	31.8	95.4

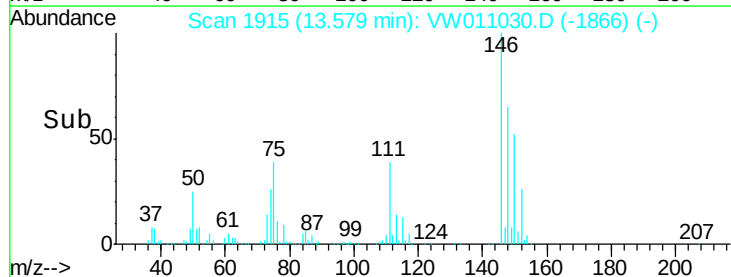
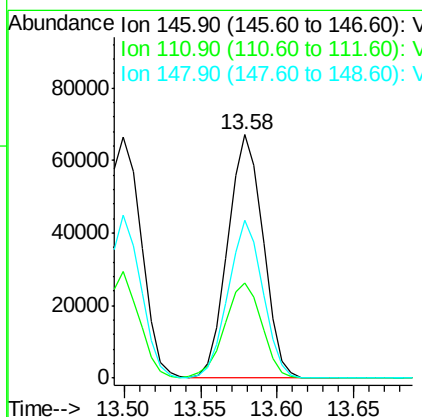
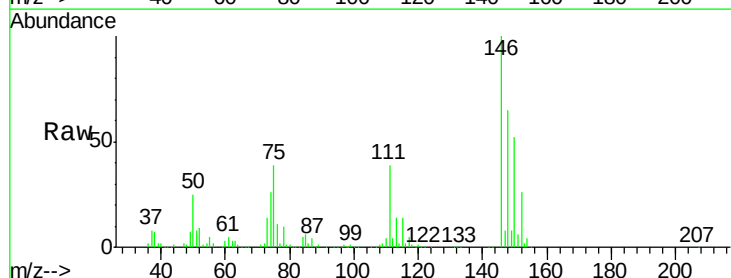
Manual Integrations
 APPROVED

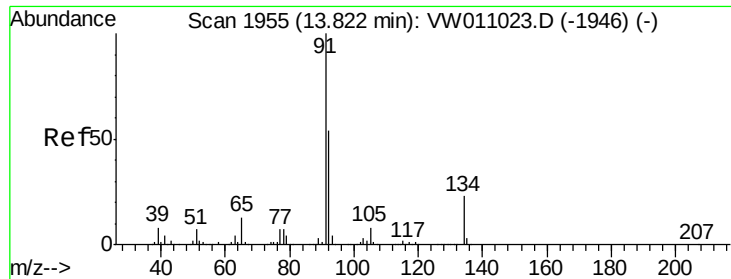
MMDadoda
 7/2/2019 8:28:28 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.237 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	64.0	32.4	97.2





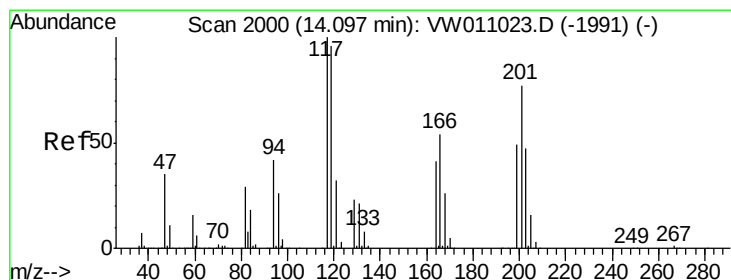
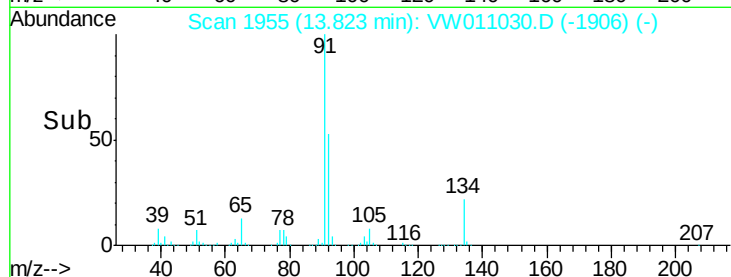
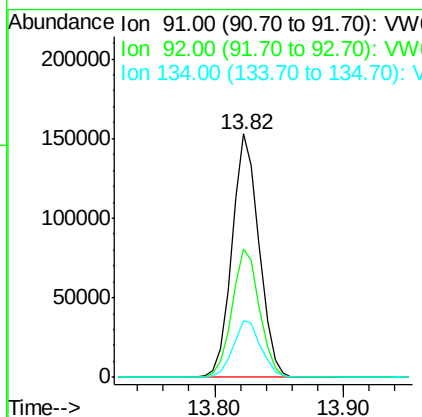
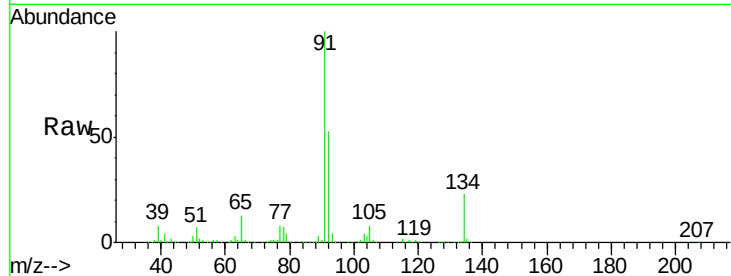
#89
n-Butylbenzene
Concen: 19.396 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	222556		
92	53.6		27.1	81.2
134	24.0		12.0	36.1

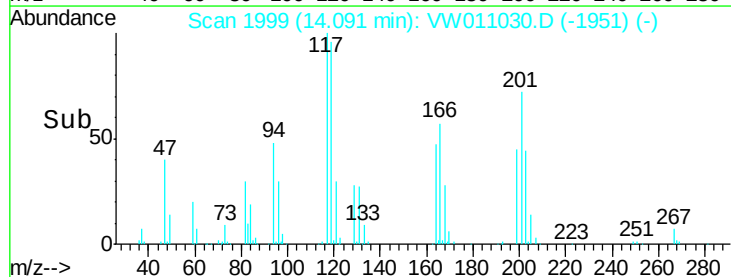
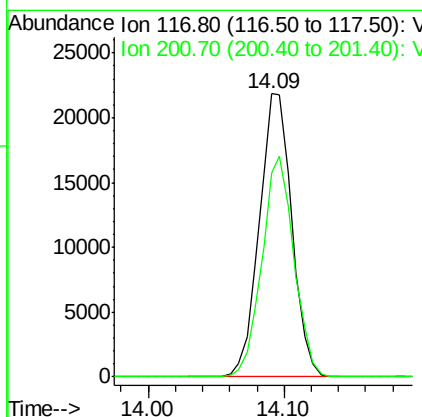
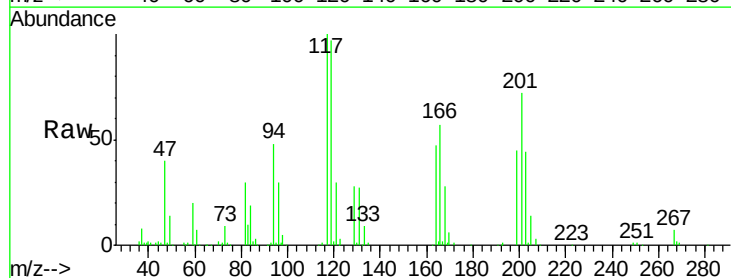
Manual Integrations
APPROVED

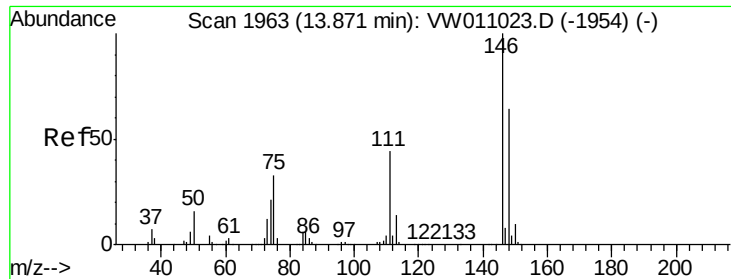
MMDadoda
7/2/2019 8:28:28 AM



#90
Hexachloroethane
Concen: 18.997 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.01 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36695		
201	76.6		38.0	114.0





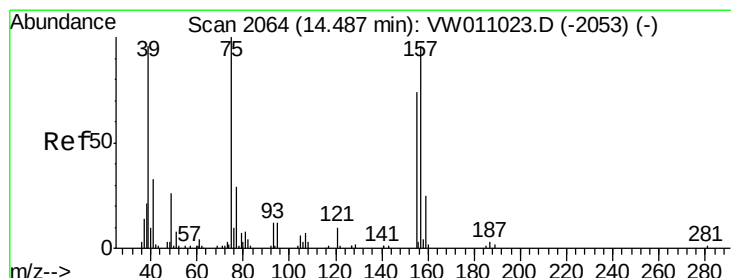
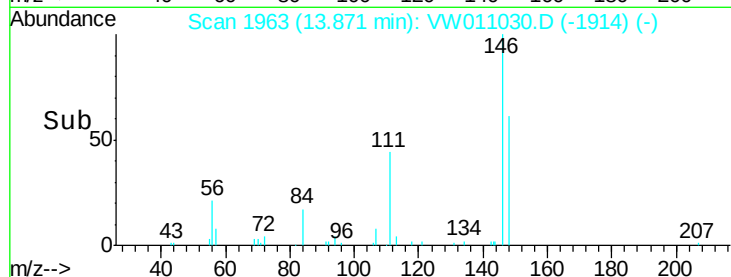
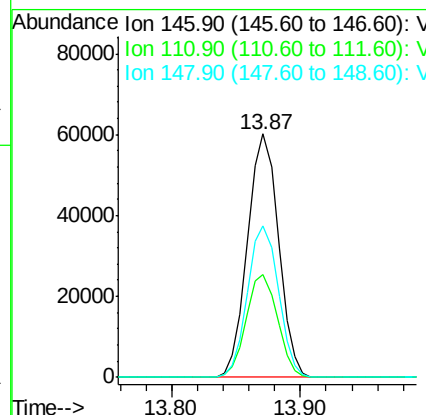
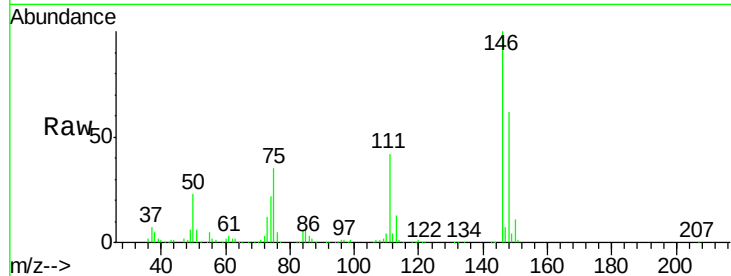
#91
 1,2-Dichlorobenzene
 Concen: 20.986 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0628SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.4	64.3
148	62.2	31.8	95.3

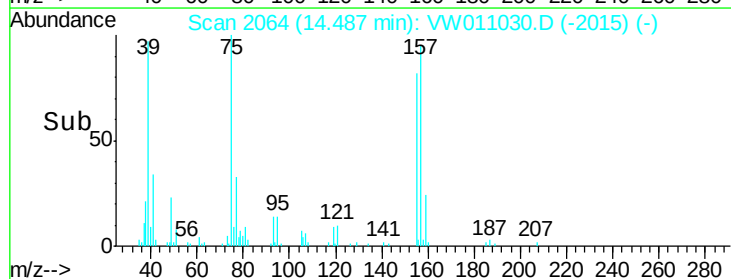
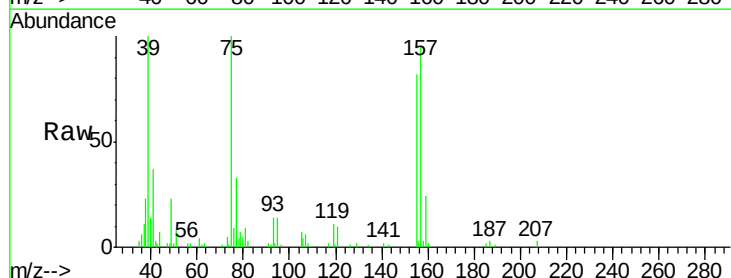
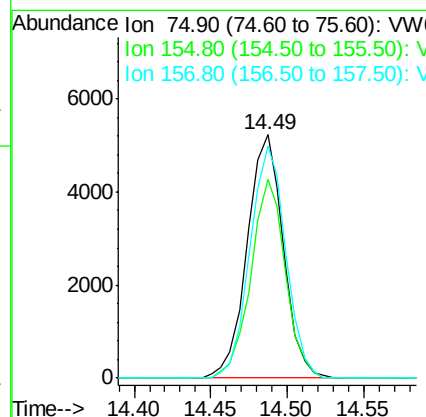
Manual Integrations
 APPROVED

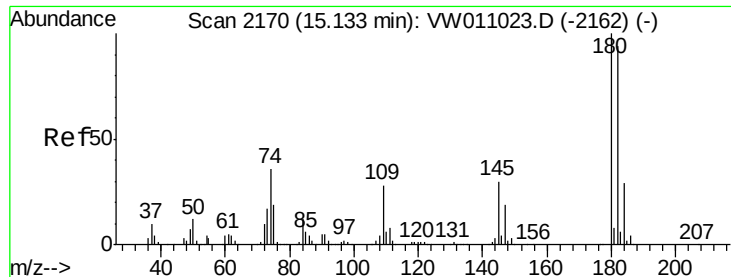
MMDadoda
 7/2/2019 8:28:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.000 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011030.D
 Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	37.0	110.9
157	94.5	45.9	137.7





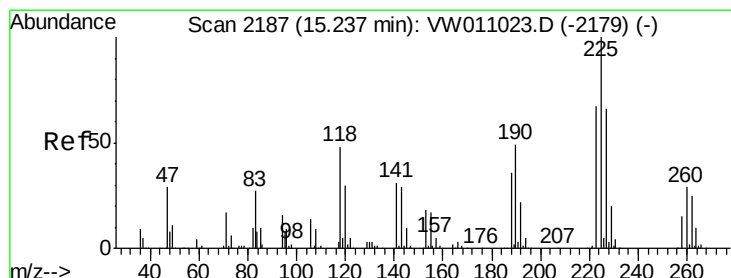
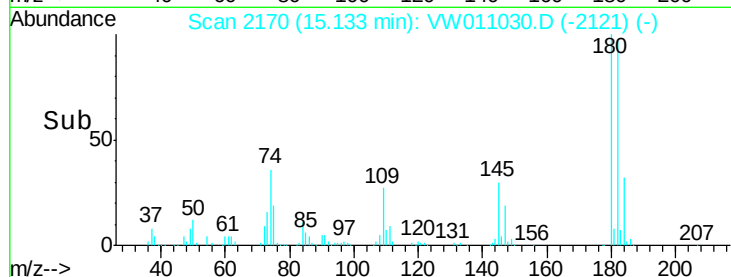
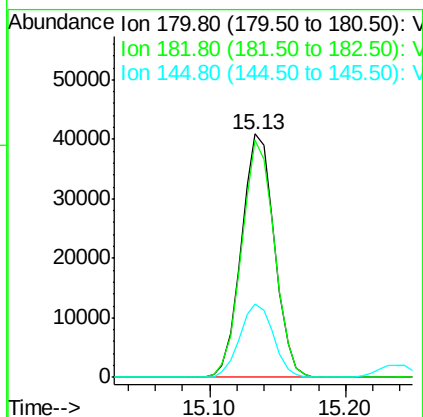
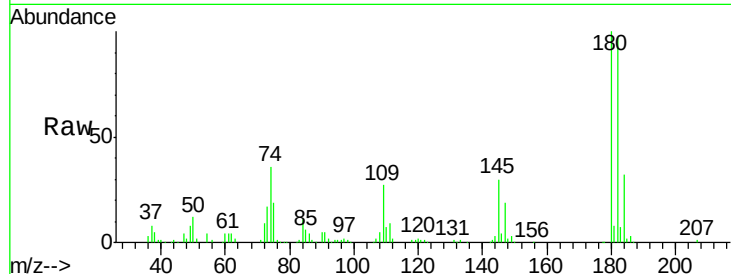
#93
1,2,4-Trichlorobenzene
Concen: 20.618 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.4	142.2
145	30.9	15.3	45.8

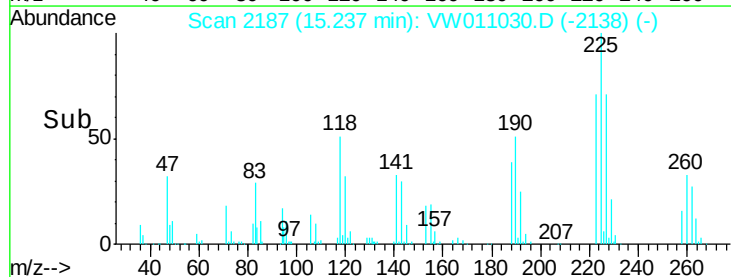
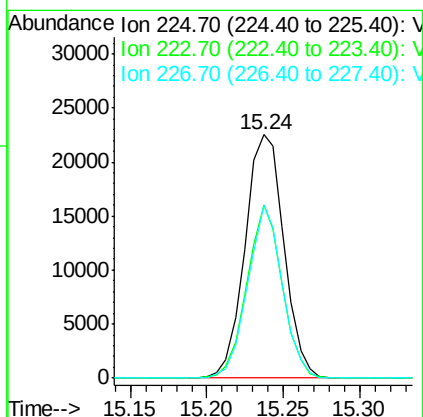
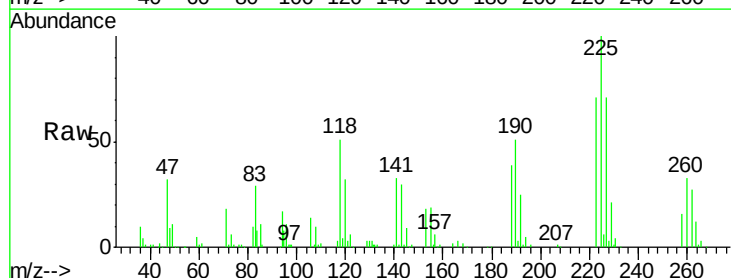
Manual Integrations
APPROVED

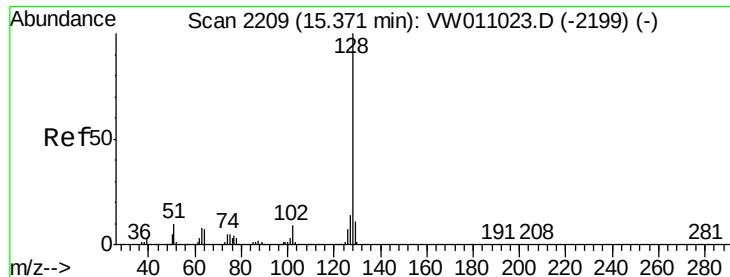
MMDadoda
7/2/2019 8:28:28 AM



#94
Hexachlorobutadiene
Concen: 19.520 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.9	95.9
227	63.4	31.9	95.9





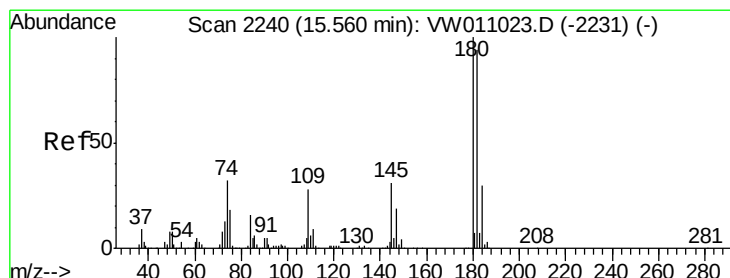
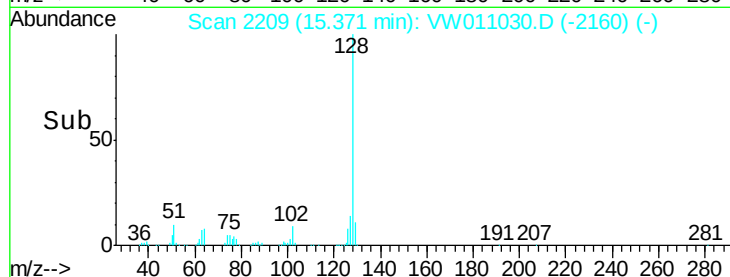
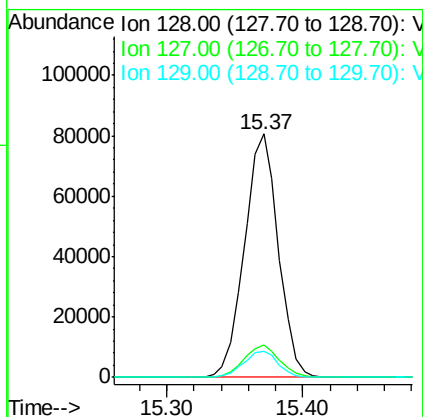
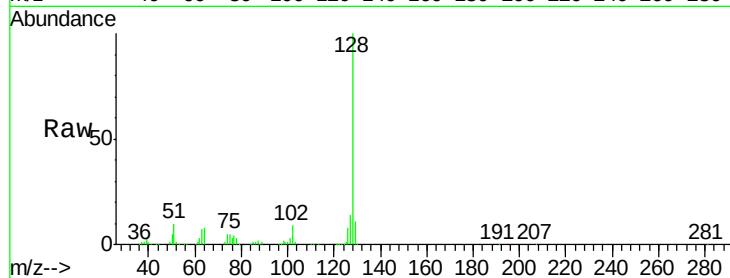
#95
Naphthalene
Concen: 22.186 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Instrument :
MSVOA_W
ClientSampleId :
VW0628SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/2/2019 8:28:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.311 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011030.D
Acq: 27 Jun 2019 22:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.9	143.7
145	31.8	16.1	48.2

