

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021319\
 Data File : VW008646.D
 Acq On : 13 Feb 2019 19:44
 Operator : SY/VA
 Sample : VW0213SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:10:45 PM

Quant Time: Feb 14 05:29:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	378916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	579165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	526541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	276133	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	201298	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	7.88	113	180829	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.32	98	680405	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.62	95	253233	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	46514	19.166	ug/l	98
3) Chloromethane	2.21	50	66475	19.000	ug/l	100
4) Vinyl Chloride	2.37	62	84957	18.486	ug/l	100
5) Bromomethane	2.78	94	74192	20.402	ug/l	99
6) Chloroethane	2.92	64	66951	19.579	ug/l	94
7) Trichlorofluoromethane	3.25	101	64569	18.039	ug/l	96
8) Diethyl Ether	3.67	74	48289	22.607	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.05	101	76505	20.226	ug/l	99
10) Methyl Iodide	4.26	142	118818	20.125	ug/l	98
11) Tert butyl alcohol	5.17	59	37206	118.045	ug/l #	94
12) 1,1-Dichloroethene	4.02	96	73273	19.808	ug/l	93
13) Acrolein	3.88	56	37296	114.851	ug/l	99
14) Allyl chloride	4.65	41	123286	20.060	ug/l	99
15) Acrylonitrile	5.37	53	104653	116.404	ug/l	99
16) Acetone	4.12	43	94494	105.412	ug/l	100
17) Carbon Disulfide	4.37	76	217097	19.447	ug/l	100
18) Methyl Acetate	4.67	43	43090	21.036	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	141009	21.714	ug/l	99
20) Methylene Chloride	4.90	84	90503	18.333	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	81359	20.083	ug/l	95
22) Diisopropyl ether	6.31	45	252248	20.392	ug/l	99
23) Vinyl Acetate	6.25	43	847594	105.576	ug/l	99
24) 1,1-Dichloroethane	6.21	63	143375	20.086	ug/l	100
25) 2-Butanone	7.16	43	146216	115.513	ug/l	99
26) 2,2-Dichloropropane	7.16	77	85588	19.194	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	91880	20.974	ug/l	96
28) Bromochloromethane	7.51	49	65246	21.653	ug/l	98
29) Tetrahydrofuran	7.53	42	98780	118.398	ug/l	98
30) Chloroform	7.67	83	142579	19.935	ug/l	93
31) Cyclohexane	7.94	56	141794	19.681	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	119457	19.776	ug/l	98
36) 1,1-Dichloropropene	8.08	75	114358	19.653	ug/l	99
37) Ethyl Acetate	7.25	43	65431	23.311	ug/l	100
38) Carbon Tetrachloride	8.06	117	112569	19.455	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	144781	19.672	ug/l	99
40) Benzene	8.32	78	316863	19.939	ug/l	99
41) Methacrylonitrile	7.48	41	37479	23.732	ug/l	97
42) 1,2-Dichloroethane	8.40	62	104212	21.142	ug/l	99
43) Isopropyl Acetate	8.42	43	126764	22.649	ug/l	98
44) Trichloroethene	9.09	130	89023	20.204	ug/l	93
45) 1,2-Dichloropropane	9.37	63	80156	20.381	ug/l	97
46) Dibromomethane	9.46	93	46198	21.324	ug/l	98
47) Bromodichloromethane	9.64	83	107351	20.618	ug/l	98
48) Methyl methacrylate	9.44	41	57199	22.052	ug/l	99
49) 1,4-Dioxane	9.44	88	15271	441.589	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	331855	115.425	ug/l	100
52) Toluene	10.39	92	206075	20.101	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	110635	20.226	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	128088	20.658	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	63027	21.202	ug/l	96
56) Ethyl methacrylate	10.65	69	86244	21.849	ug/l	99
57) 1,3-Dichloropropane	10.93	76	112058	21.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	220675	116.541	ug/l	99
59) 2-Hexanone	10.97	43	226481	112.134	ug/l	99
60) Dibromochloromethane	11.13	129	72486	20.379	ug/l	98
61) 1,2-Dibromoethane	11.24	107	62549	21.370	ug/l	100
64) Tetrachloroethene	10.86	164	78592	20.072	ug/l	96
65) Chlorobenzene	11.66	112	225357	19.857	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	77935	19.385	ug/l	99
67) Ethyl Benzene	11.73	91	394528	19.516	ug/l	100
68) m/p-Xylenes	11.84	106	308524	39.224	ug/l	98
69) o-Xylene	12.16	106	145187	19.527	ug/l	99
70) Styrene	12.18	104	234004	19.269	ug/l	99
71) Bromoform	12.35	173	43298	19.988	ug/l #	96
73) Isopropylbenzene	12.46	105	393606	19.136	ug/l	99
74) N-amyl acetate	12.27	43	117785	21.176	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	77497	21.655	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	57409m	21.055	ug/l	
77) Bromobenzene	12.75	156	97305	20.580	ug/l	97
78) n-propylbenzene	12.80	91	476564	19.500	ug/l	99
79) 2-Chlorotoluene	12.90	91	269583	19.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	335916	19.662	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	23208	20.340	ug/l	96
82) 4-Chlorotoluene	12.99	91	281489	19.230	ug/l	99
83) tert-Butylbenzene	13.21	119	302052	20.361	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	340452	19.389	ug/l	100
85) sec-Butylbenzene	13.39	105	421126	19.496	ug/l	99
86) p-Isopropyltoluene	13.50	119	372337	19.268	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	187066	19.517	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	188344	19.939	ug/l	99
89) n-Butylbenzene	13.83	91	351277	19.130	ug/l	99
90) Hexachloroethane	14.10	117	64912	19.227	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	173025	20.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	13876	22.313	ug/l	97

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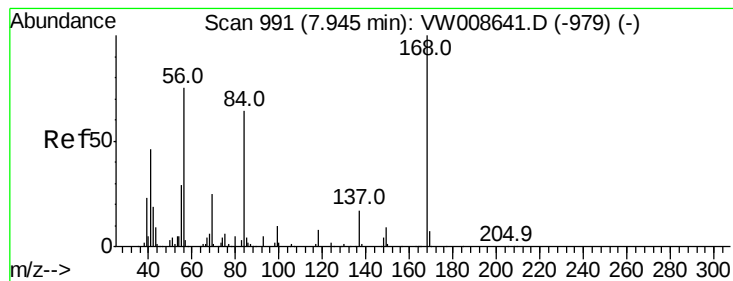
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	126178	20.873	ug/l	99
94) Hexachlorobutadiene	15.24	225	72769	20.680	ug/l	99
95) Naphthalene	15.37	128	238569	22.023	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	111287	21.454	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion:168 Resp: 378916

Ion Ratio Lower Upper

168 100

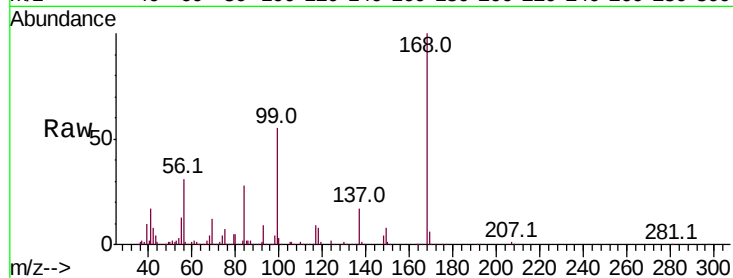
99 54.8 42.8 64.2

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.94

150000

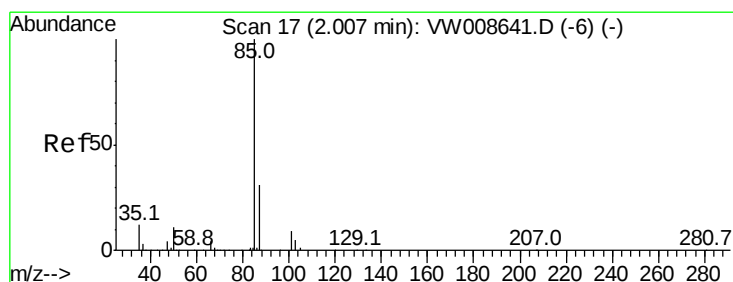
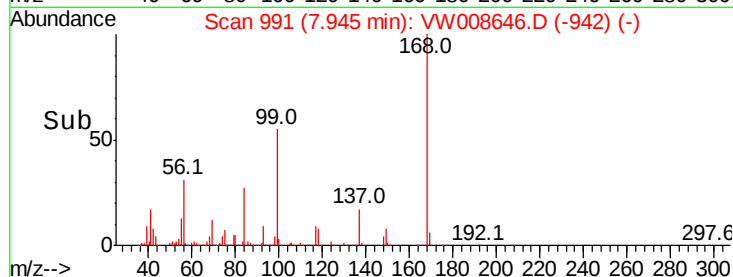
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.166 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW008646.D

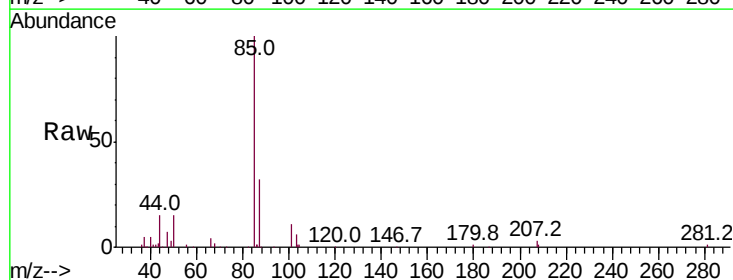
Acq: 13 Feb 2019 19:44

Tgt Ion: 85 Resp: 46514

Ion Ratio Lower Upper

85 100

87 31.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

15000

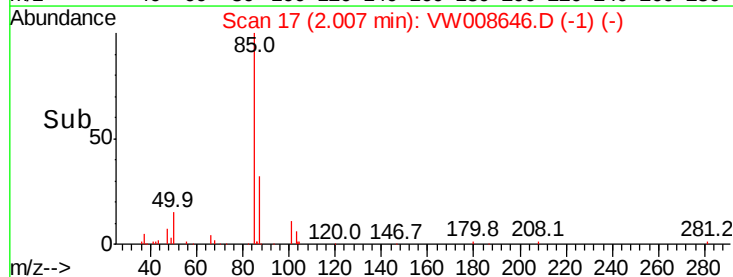
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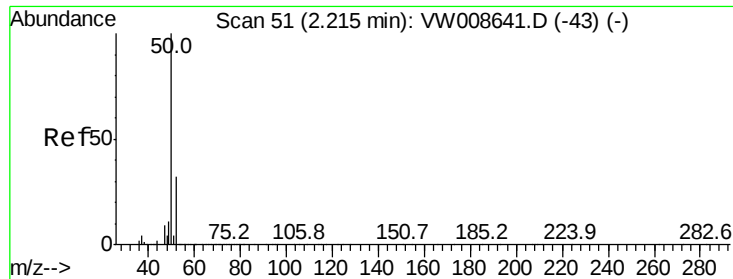
5000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 19.000 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 50 Resp: 66475

Ion Ratio Lower Upper

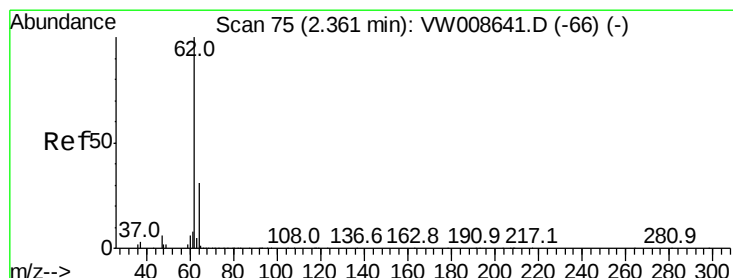
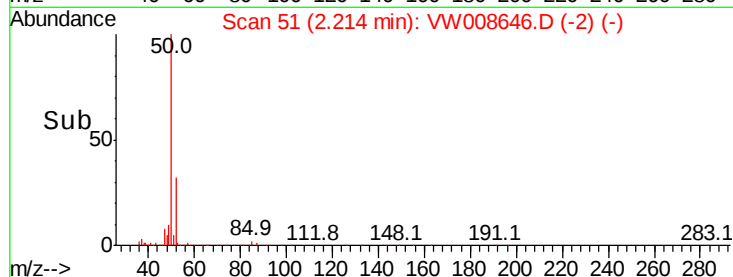
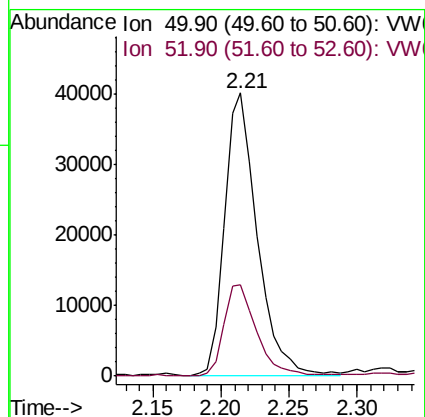
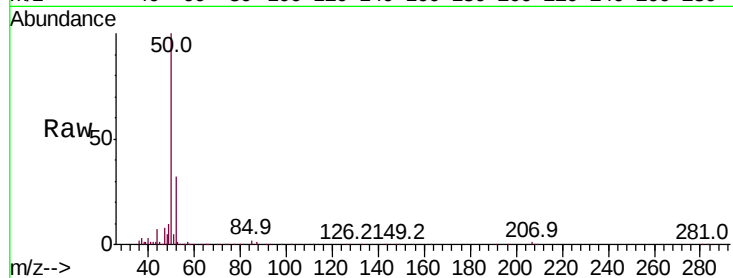
50 100

52 32.2 26.0 39.0

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2/14/2019 2:10:45 PM



#4

Vinyl Chloride

Concen: 18.486 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008646.D

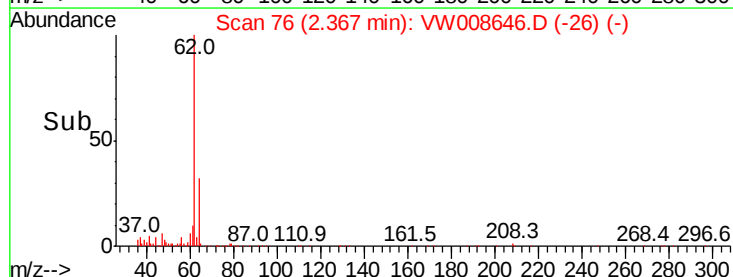
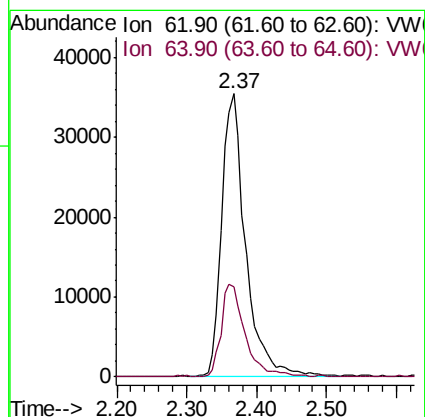
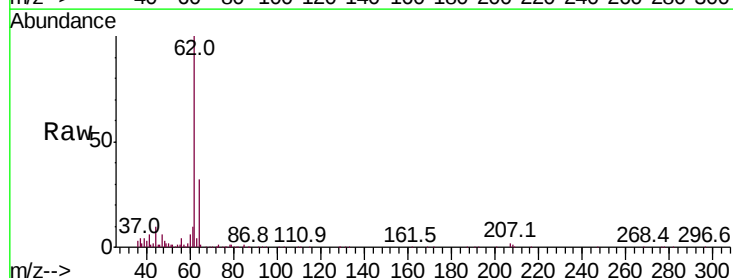
Acq: 13 Feb 2019 19:44

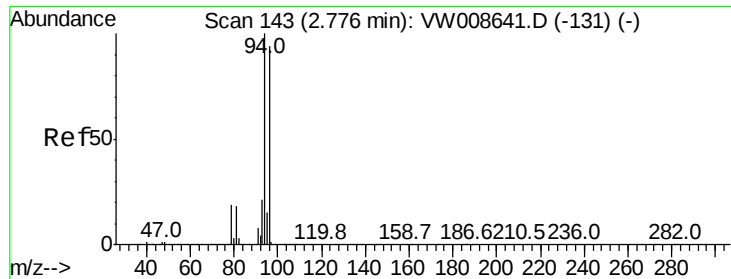
Tgt Ion: 62 Resp: 84957

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 20.402 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 94 Resp: 74192

Ion Ratio Lower Upper

94 100

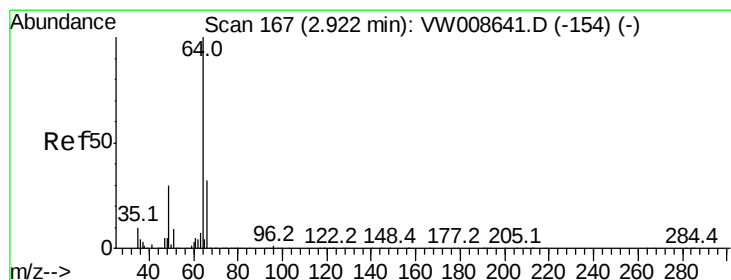
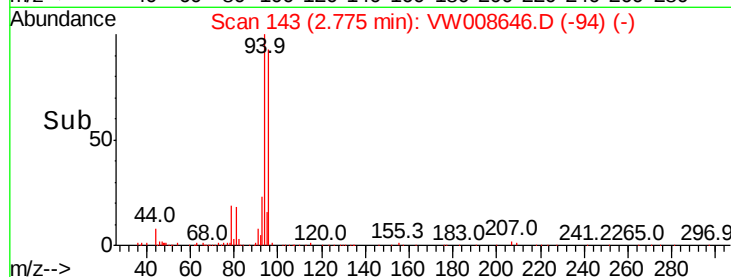
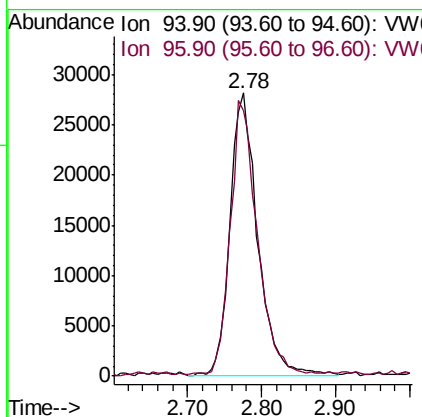
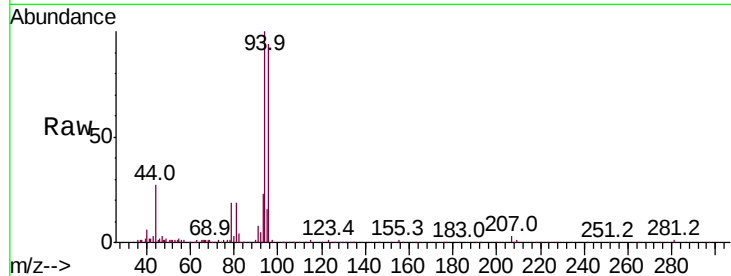
96 93.3 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 19.579 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008646.D

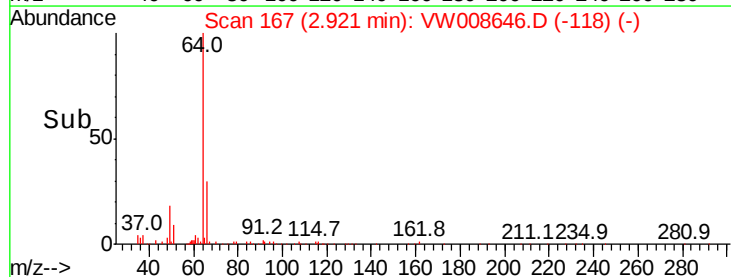
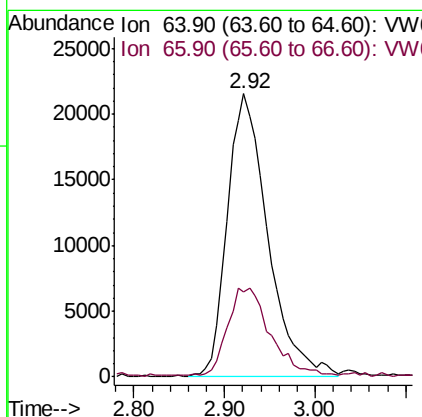
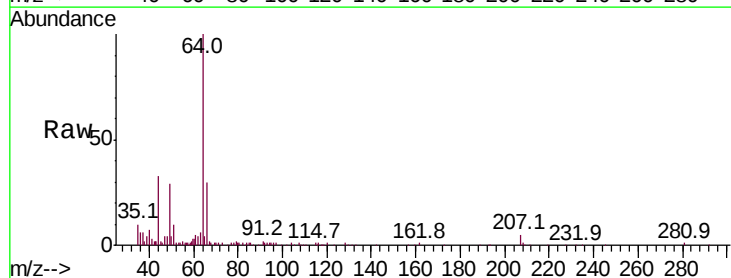
Acq: 13 Feb 2019 19:44

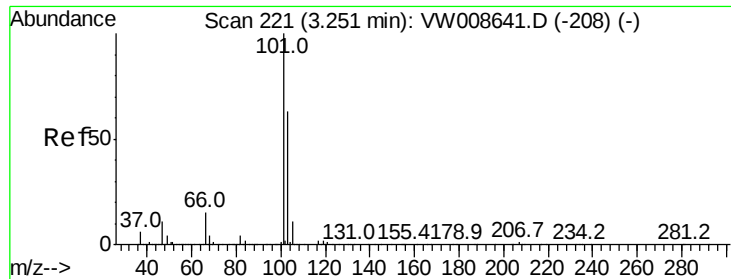
Tgt Ion: 64 Resp: 66951

Ion Ratio Lower Upper

64 100

66 29.3 26.2 39.4





#7

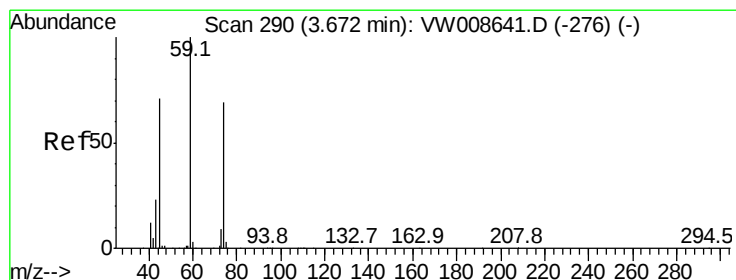
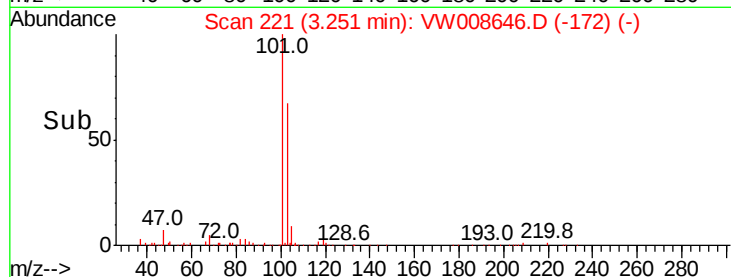
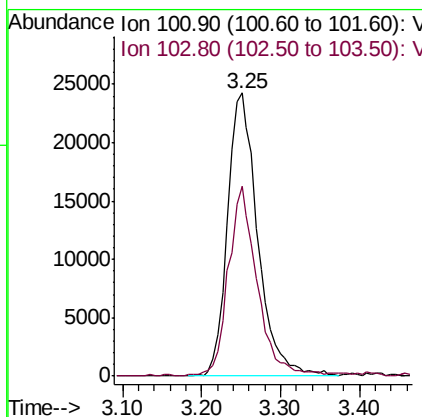
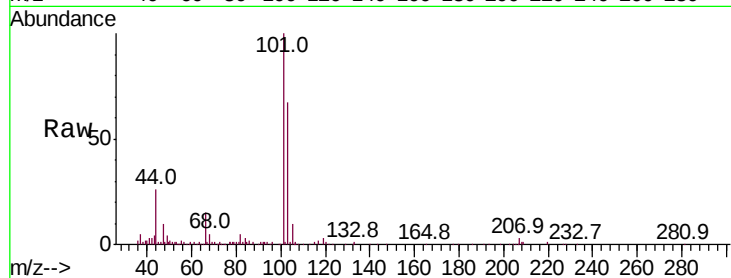
Trichlorofluoromethane
Concen: 18.039 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
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ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.5	75.7

Manual Integrations
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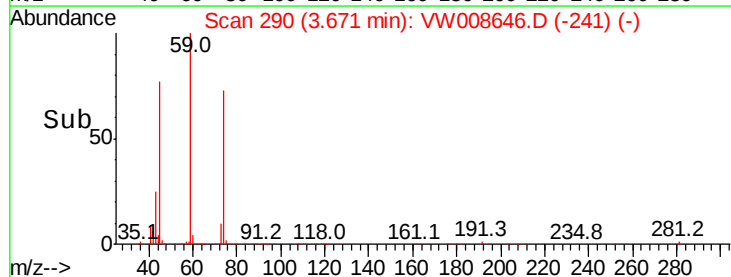
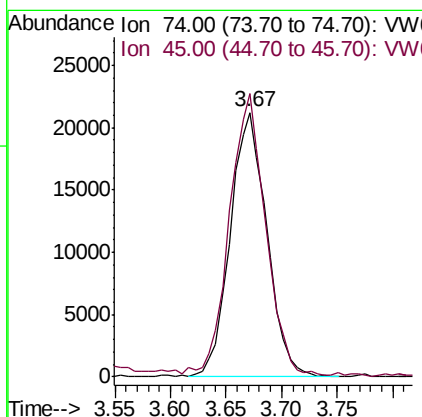
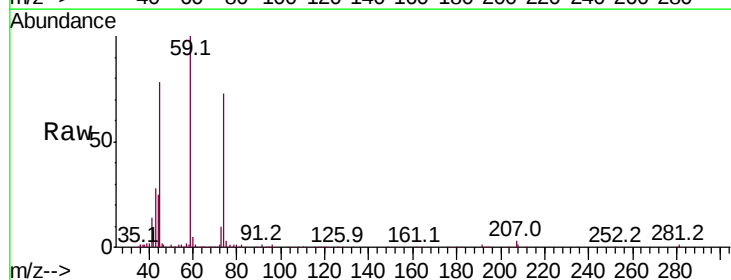
MMDadoda
2/14/2019 2:10:45 PM

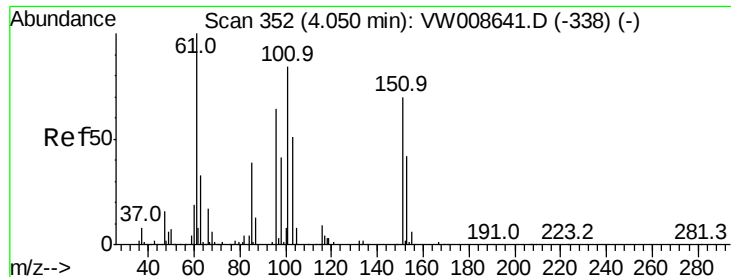


#8

Diethyl Ether
Concen: 22.607 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.226 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

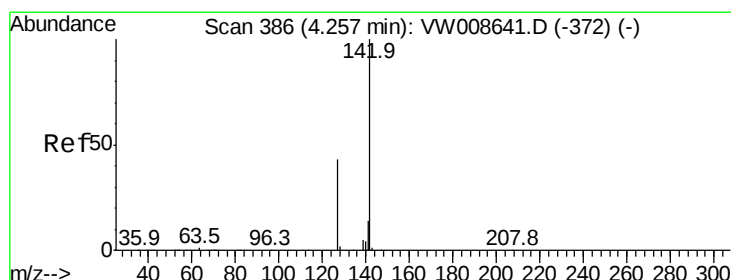
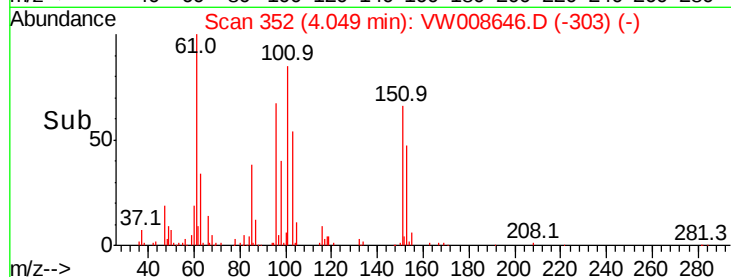
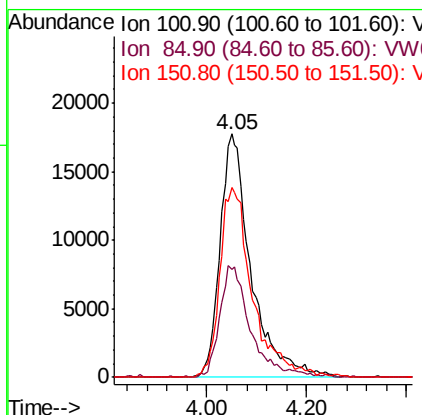
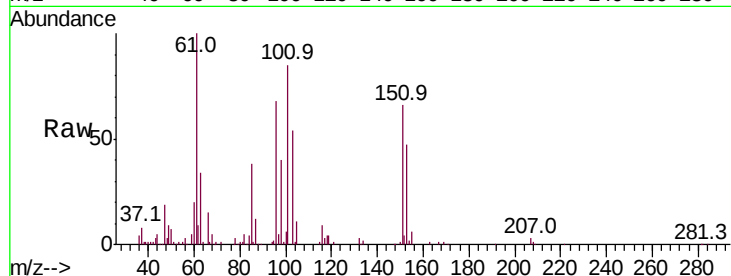
ClientSampleId :

VW0213SBS01

Tot Ion:	101	Resp:	76505
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.3	51.5
151	81.5	65.6	98.4

Manual Integrations
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2/14/2019 2:10:45 PM



#10

Methyl Iodide

Concen: 20.125 ug/l

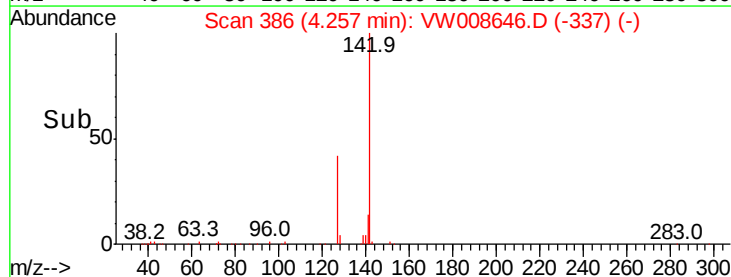
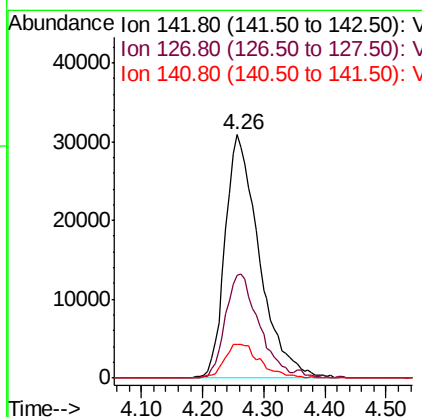
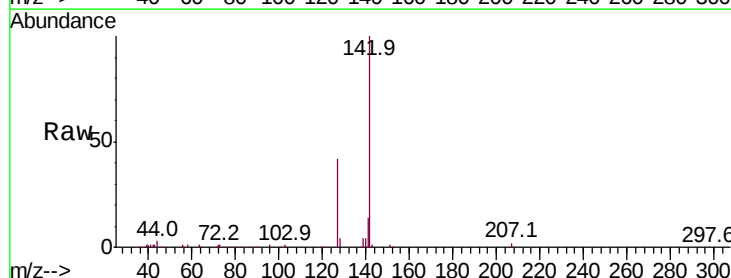
RT: 4.26 min Scan# 386

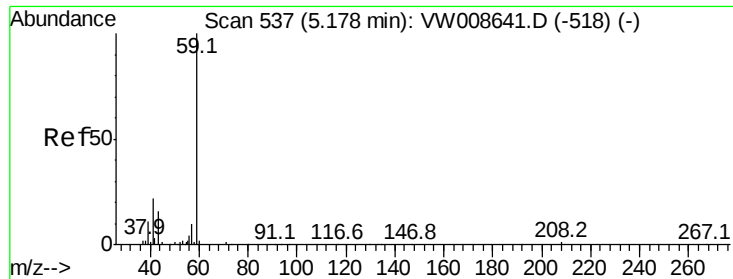
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	142	Resp:	118818
Ion Ratio	Lower	Upper	
142	100		
127	42.0	34.8	52.2
141	14.9	11.8	17.8





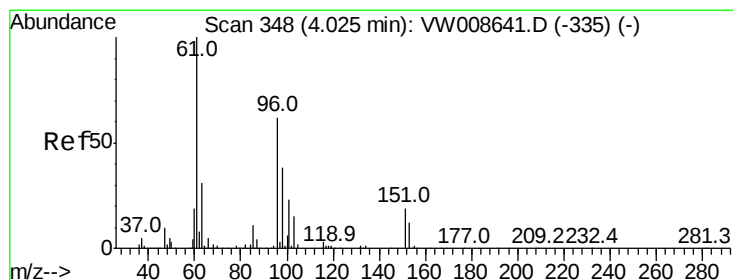
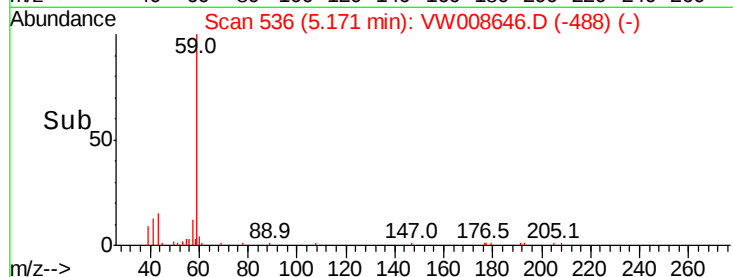
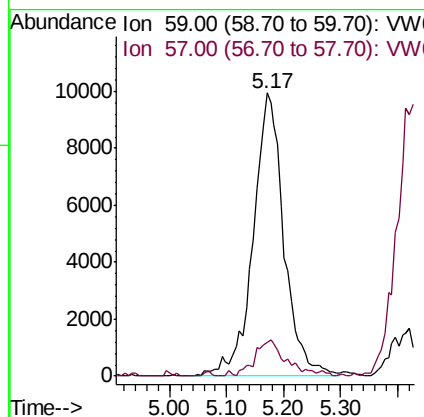
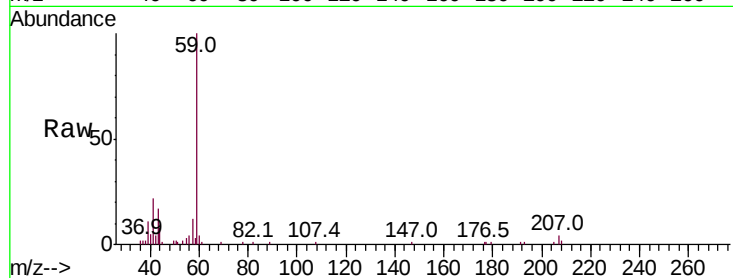
#11
Tert butyl alcohol
Concen: 118.045 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion: 59 Resp: 37206
Ion Ratio Lower Upper
59 100
57 12.6 8.3 12.5#

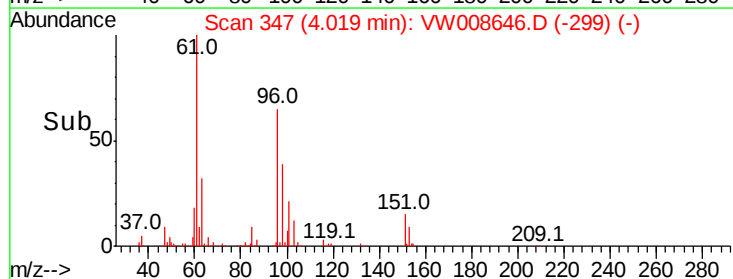
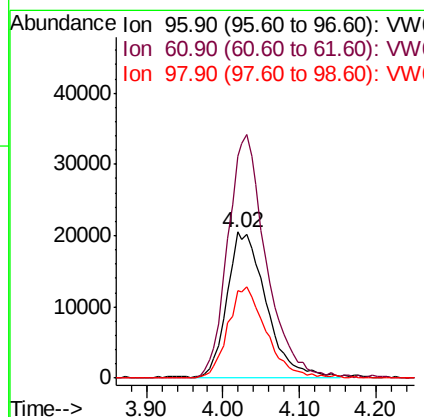
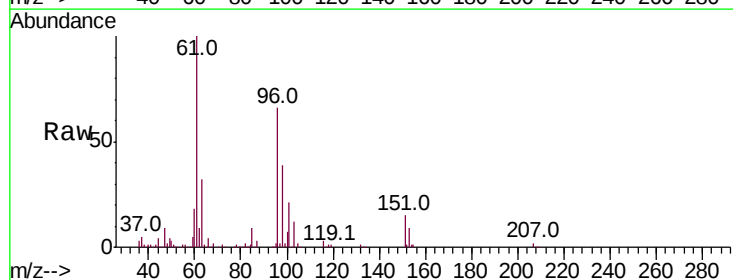
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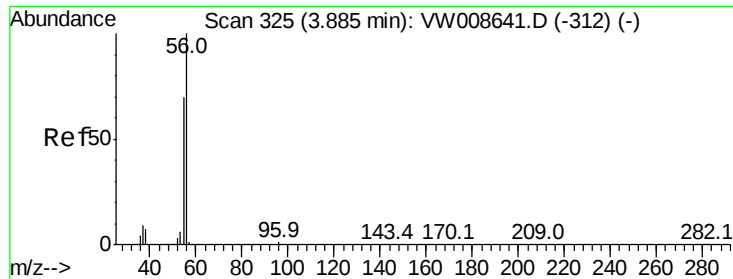
MMDadoda
2/14/2019 2:10:45 PM



#12
1,1-Dichloroethene
Concen: 19.808 ug/l
RT: 4.02 min Scan# 347
Delta R.T. -0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 96 Resp: 73273
Ion Ratio Lower Upper
96 100
61 151.4 129.8 194.6
98 59.6 49.3 73.9





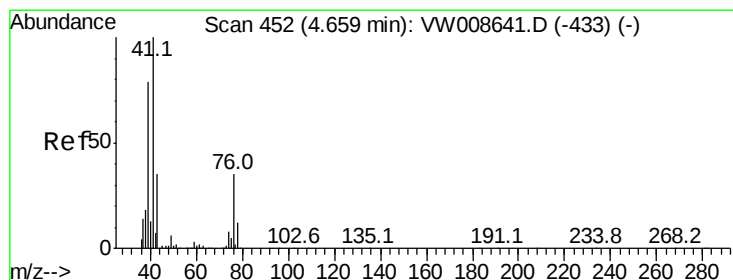
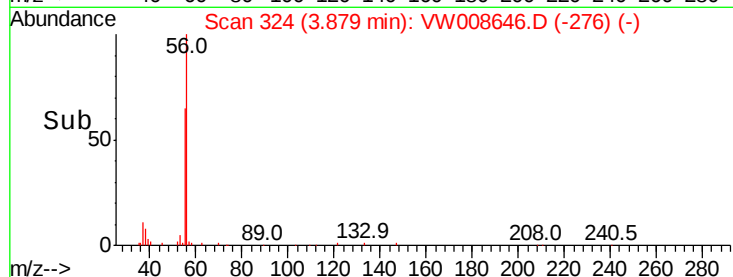
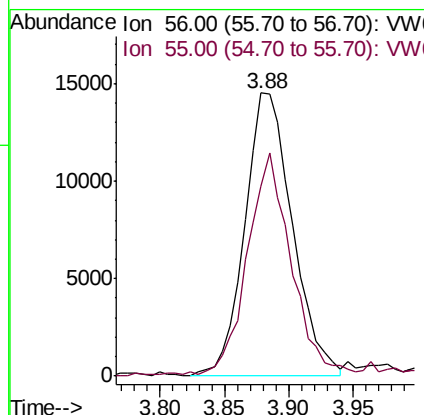
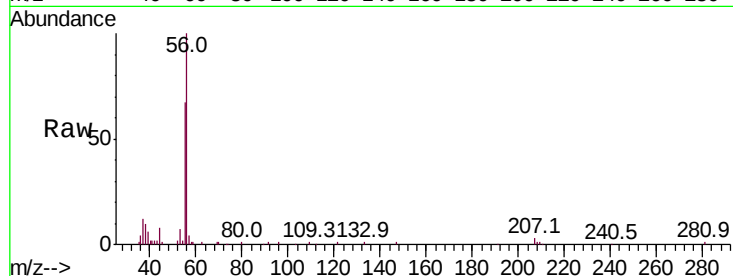
#13
Acrolein
Concen: 114.851 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion: 56 Resp: 37296
Ion Ratio Lower Upper
56 100
55 70.8 57.4 86.2

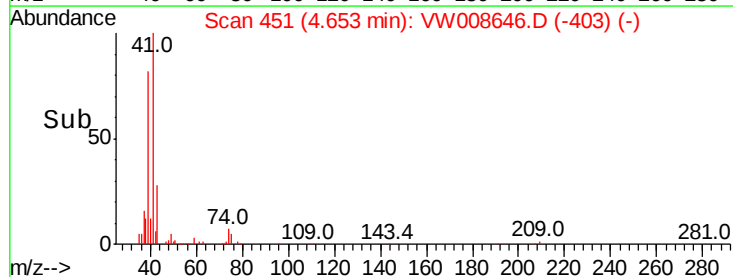
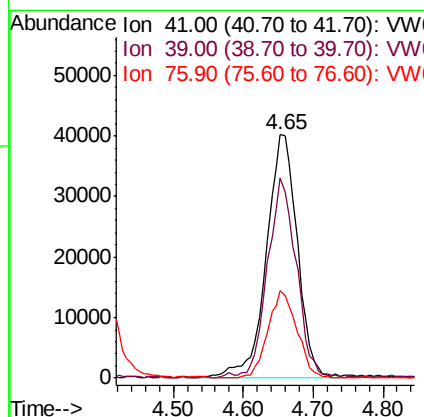
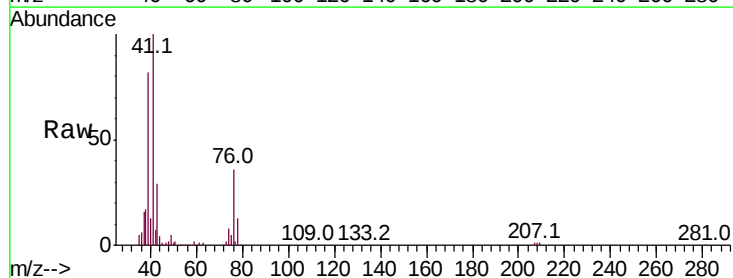
Manual Integrations
APPROVED

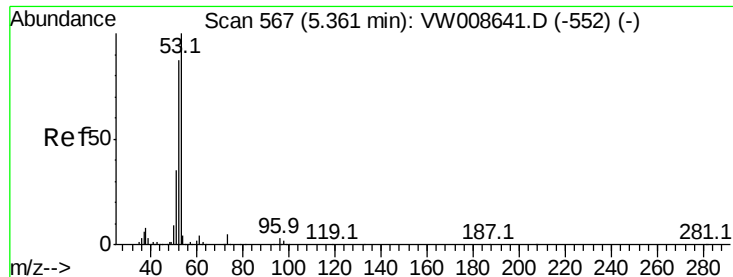
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#14
Allyl chloride
Concen: 20.060 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 41 Resp: 123286
Ion Ratio Lower Upper
41 100
39 75.9 61.7 92.5
76 33.7 27.7 41.5





#15

Acrylonitrile

Concen: 116.404 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

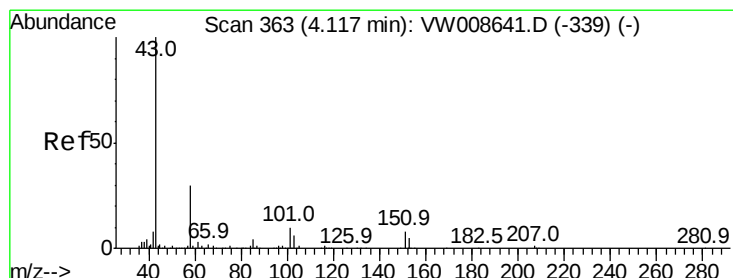
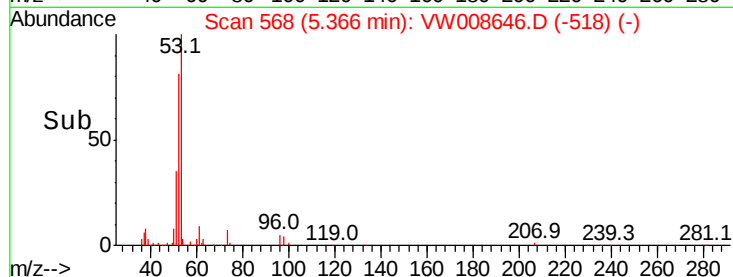
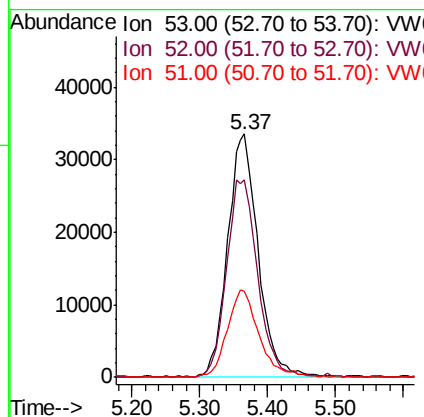
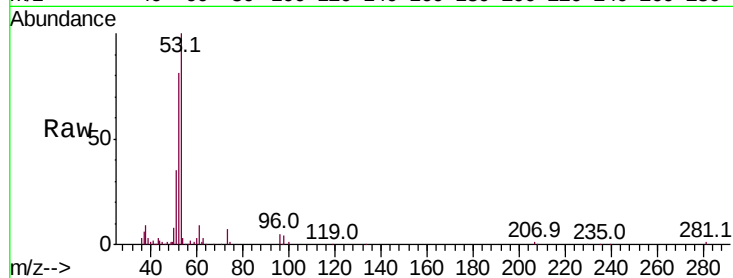
ClientSampleId :

VW0213SBS01

Tot Ion:	53	Resp:	104653
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.8	100.2
51	37.5	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 105.412 ug/l

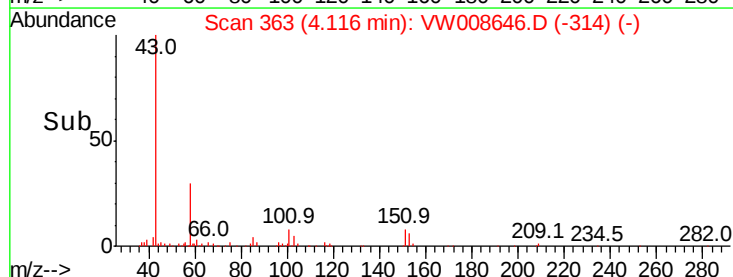
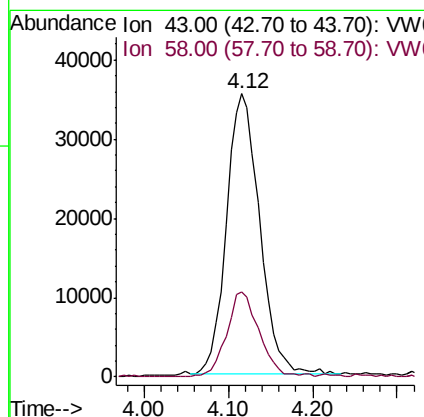
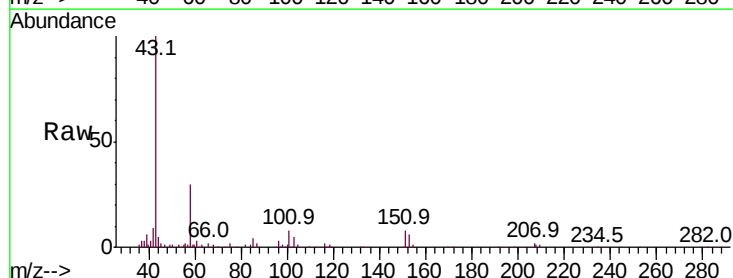
RT: 4.12 min Scan# 363

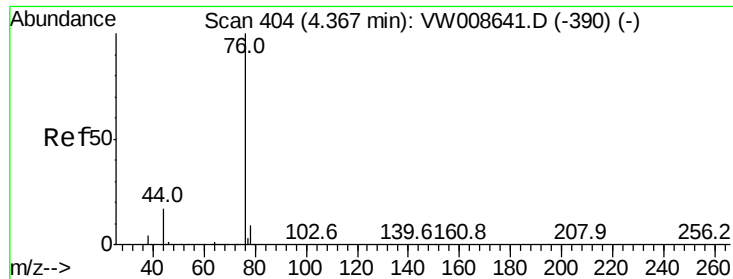
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	43	Resp:	94494
Ion Ratio	Lower	Upper	
43	100		
58	30.3	24.1	36.1





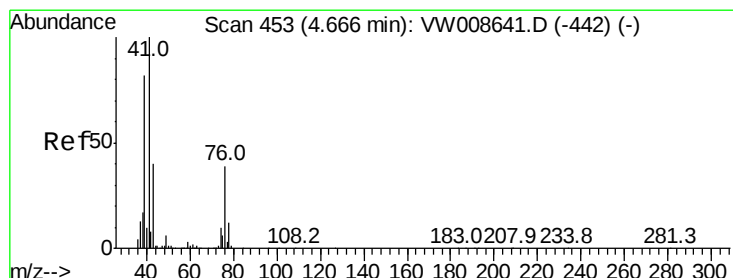
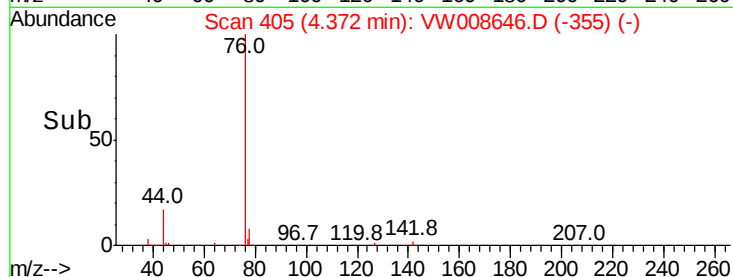
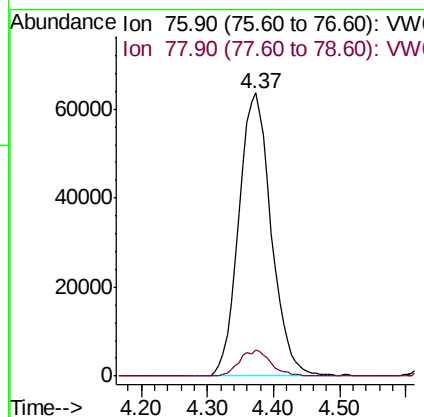
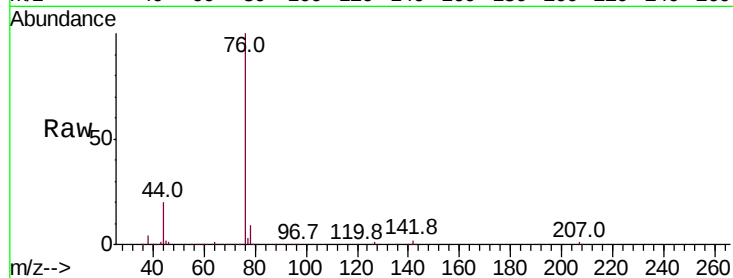
#17
Carbon Disulfide
Concen: 19.447 ug/l
RT: 4.37 min Scan# 405
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion: 76 Resp: 217097
Ion Ratio Lower Upper
76 100
78 9.0 7.1 10.7

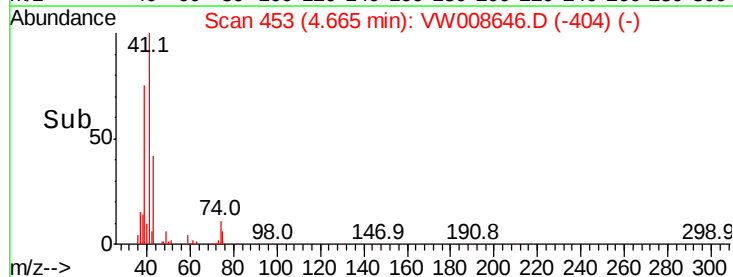
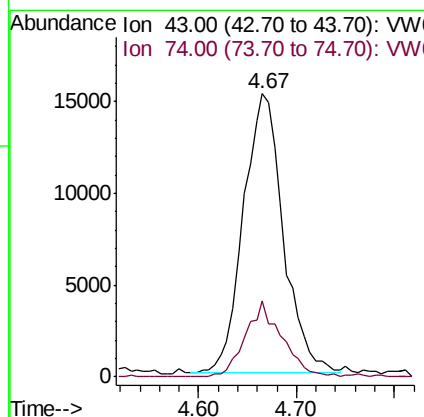
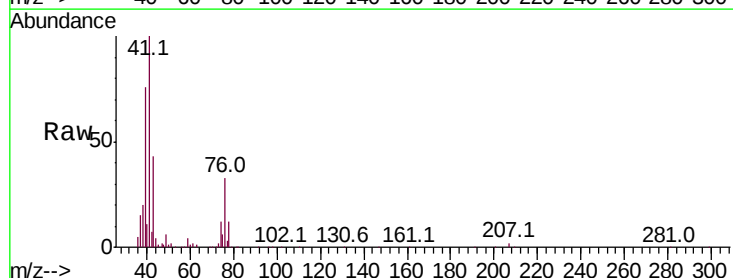
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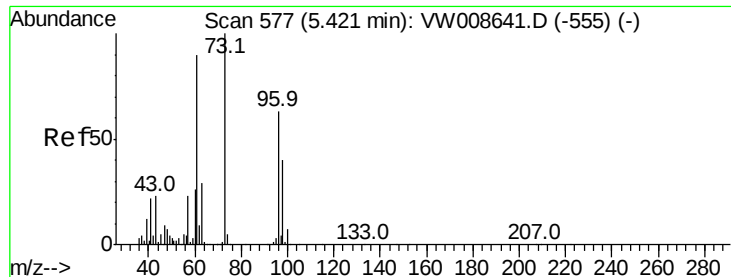
MMDadoda
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#18
Methyl Acetate
Concen: 21.036 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion: 43 Resp: 43090
Ion Ratio Lower Upper
43 100
74 24.7 19.0 28.4





#19

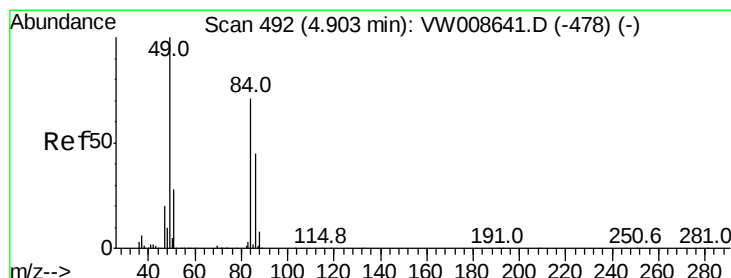
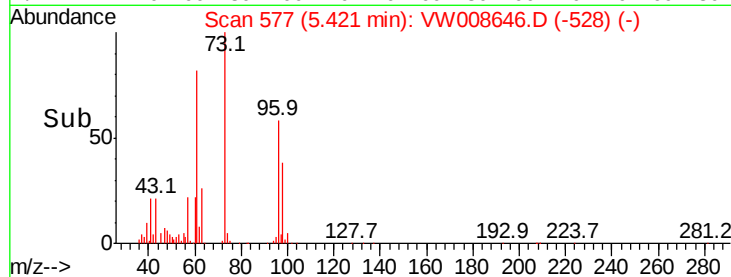
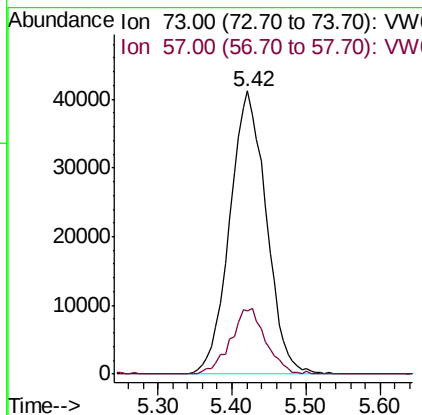
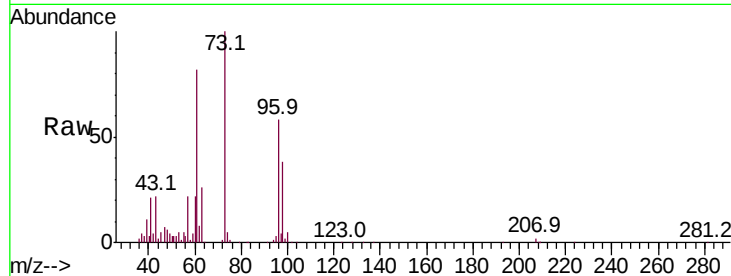
Methyl tert-butyl Ether
 Concen: 21.714 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.2	27.2

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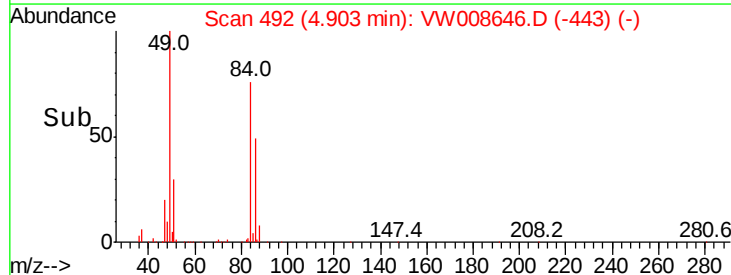
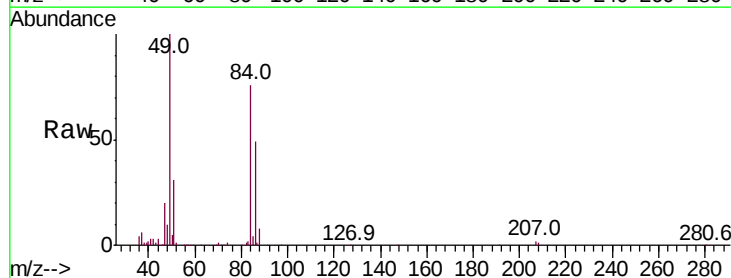
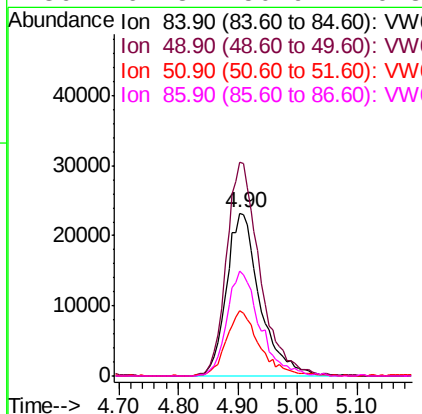
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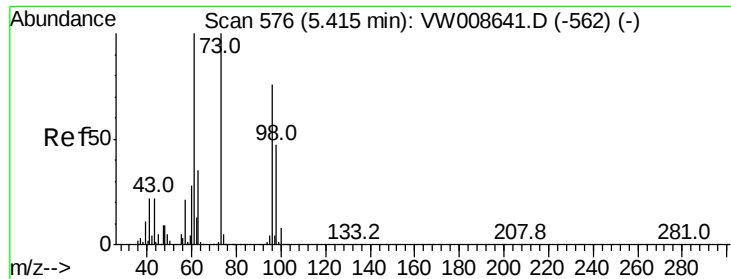


#20

Methylene Chloride
 Concen: 18.333 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.2	113.3	169.9
51	40.1	32.1	48.1
86	64.8	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.083 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

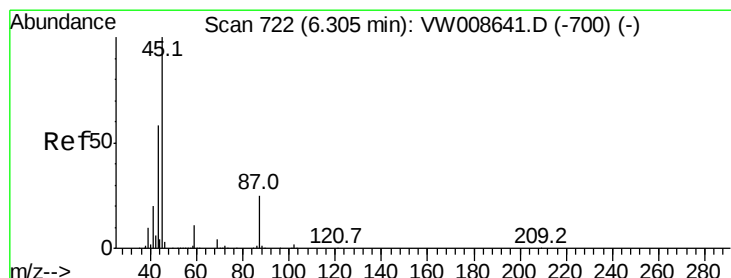
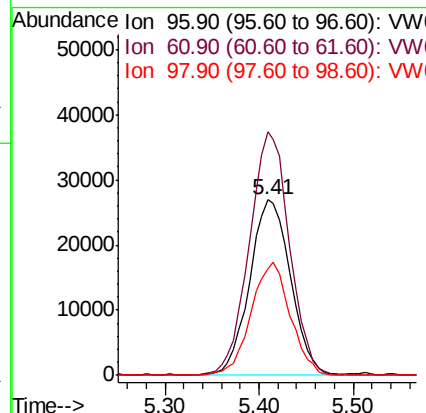
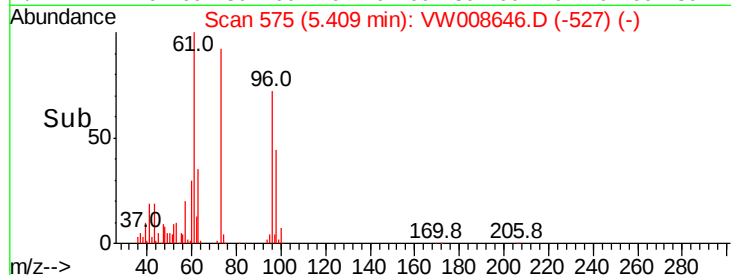
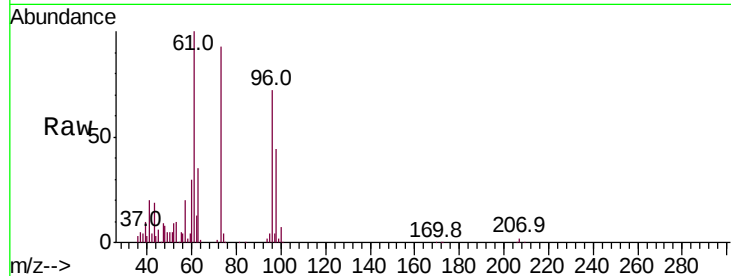
ClientSampleId :

VW0213SBS01

Tot Ion:	96	Resp:	81359
Ion	Ratio	Lower	Upper
96	100		
61	139.4	105.9	158.9
98	61.0	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.392 ug/l

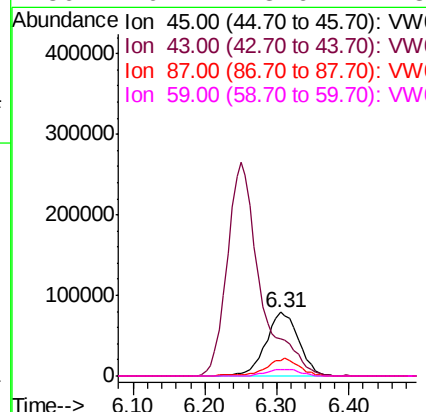
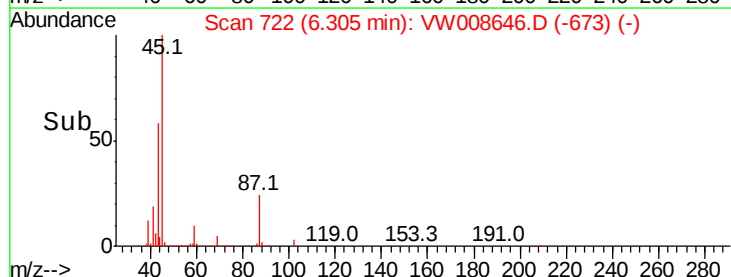
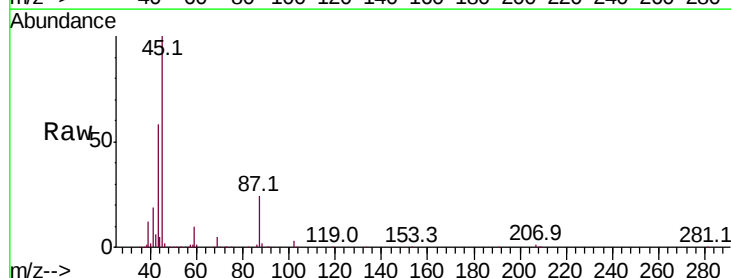
RT: 6.31 min Scan# 722

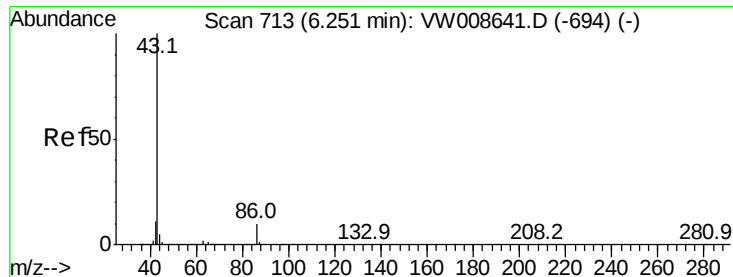
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	45	Resp:	252248
Ion	Ratio	Lower	Upper
45	100		
43	57.8	46.1	69.1
87	24.1	20.5	30.7
59	10.1	8.6	12.8





#23

Vinyl Acetate

Concen: 105.576 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tot Ion: 43 Resp: 847594

Ion Ratio Lower Upper

43 100

86 10.1 7.9 11.9

Instrument :

MSVOA_W

ClientSampleId :

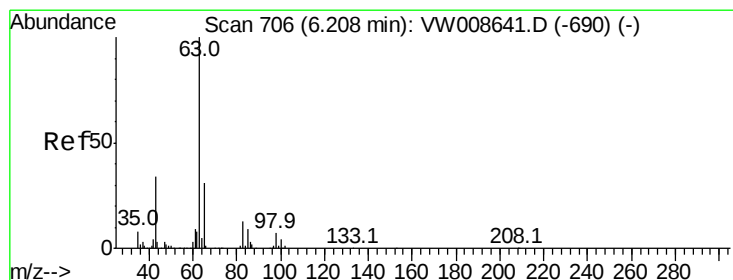
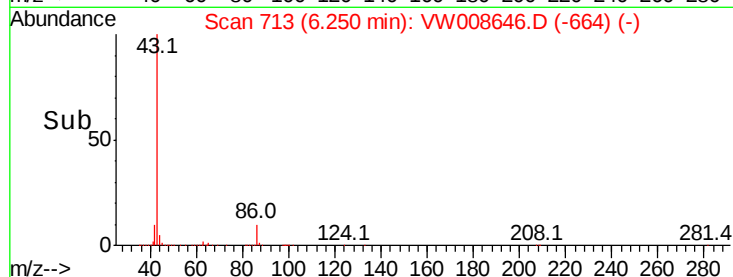
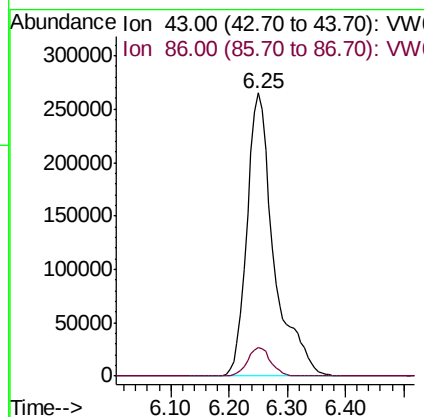
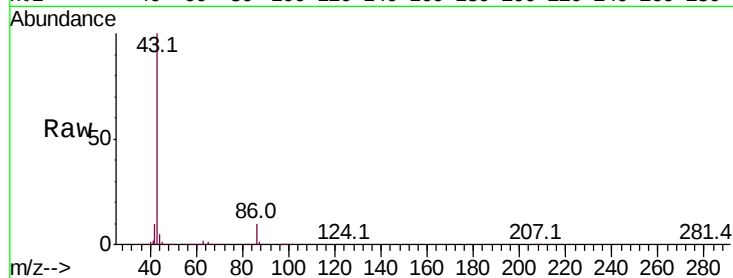
VW0213SBS01

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#24

1,1-Dichloroethane

Concen: 20.086 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

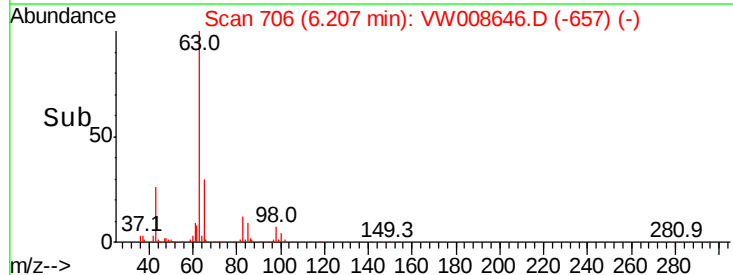
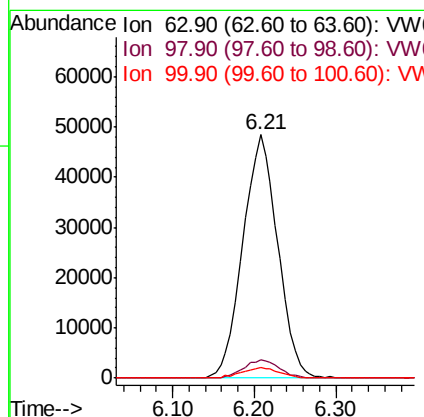
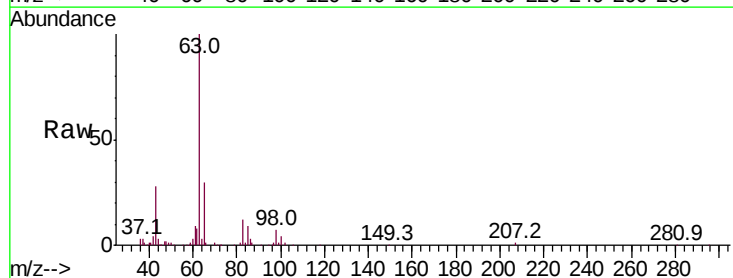
Tgt Ion: 63 Resp: 143375

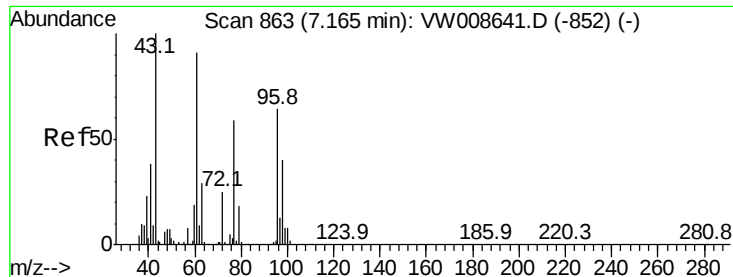
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.8

100 4.2 2.2 6.6





#25

2-Butanone

Concen: 115.513 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 43 Resp: 146216

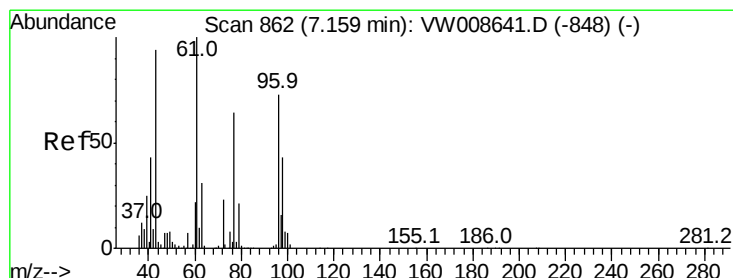
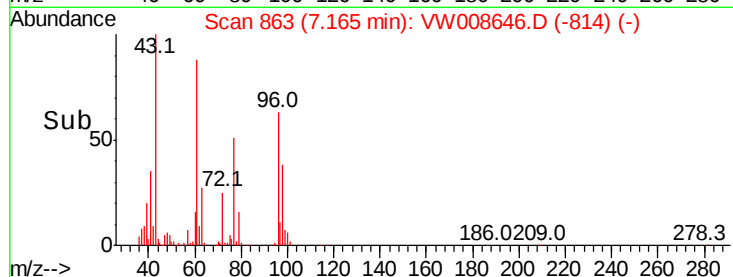
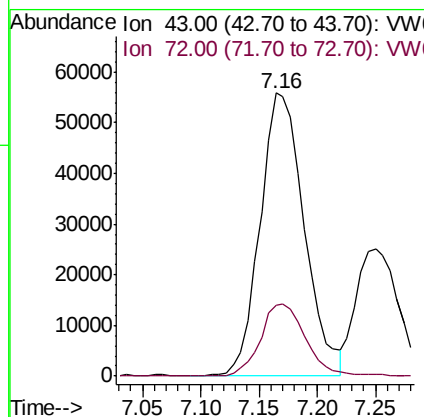
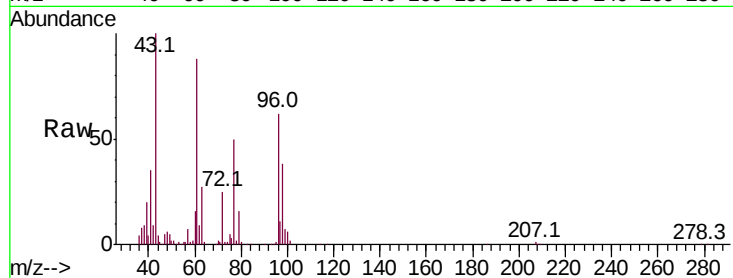
Ion Ratio Lower Upper

43 100

72 25.0 19.7 29.5

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 19.194 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008646.D

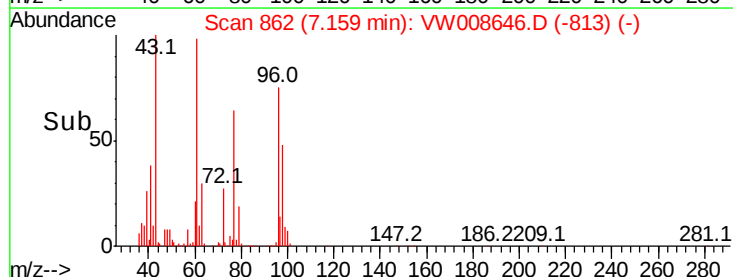
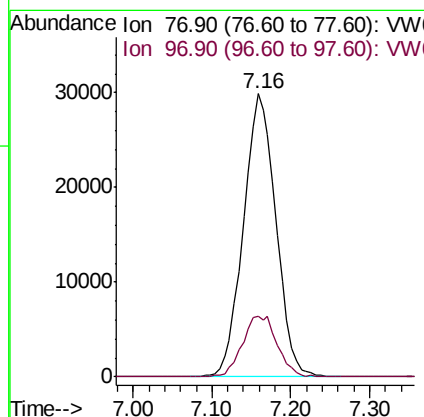
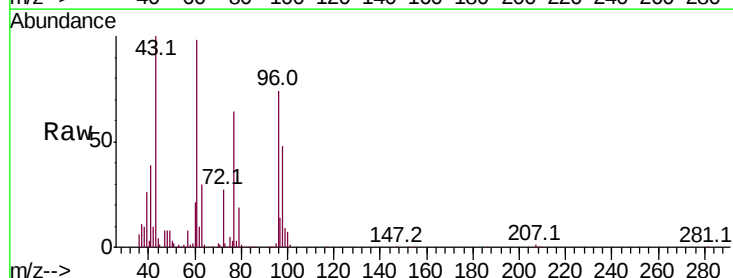
Acq: 13 Feb 2019 19:44

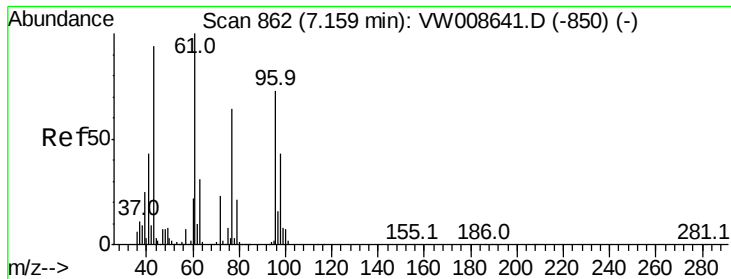
Tgt Ion: 77 Resp: 85588

Ion Ratio Lower Upper

77 100

97 23.0 11.7 35.0





#27

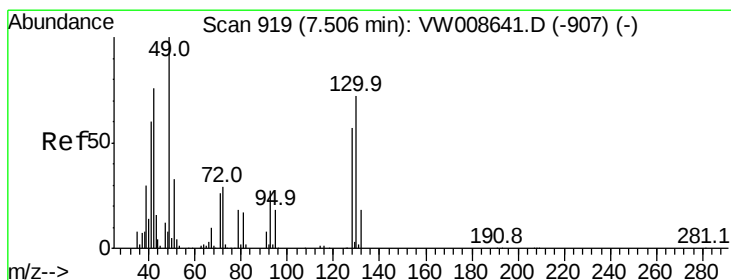
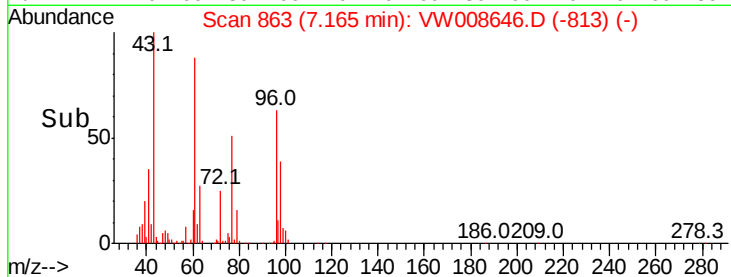
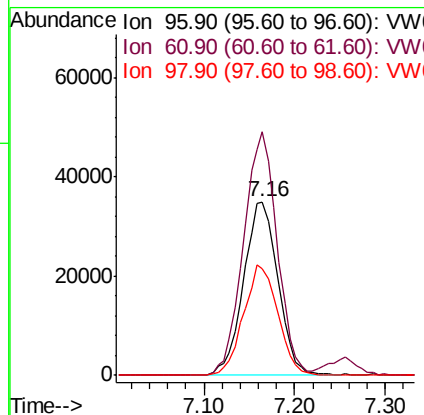
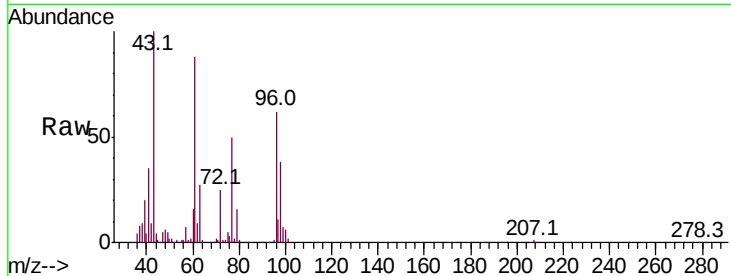
cis-1,2-Dichloroethene
Concen: 20.974 ug/l
RT: 7.16 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.5	0.0	286.4	
98	63.0	0.0	125.0	

Manual Integrations
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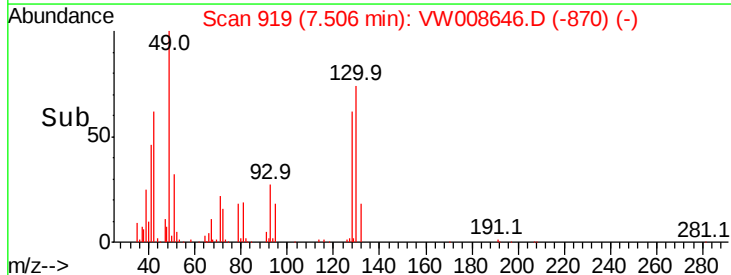
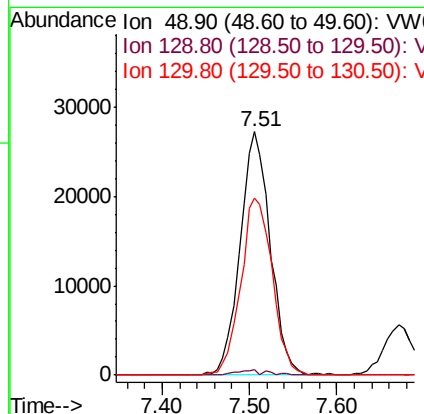
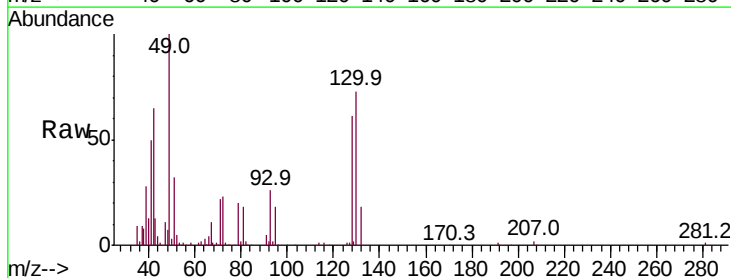
MMDadoda
2/14/2019 2:10:45 PM

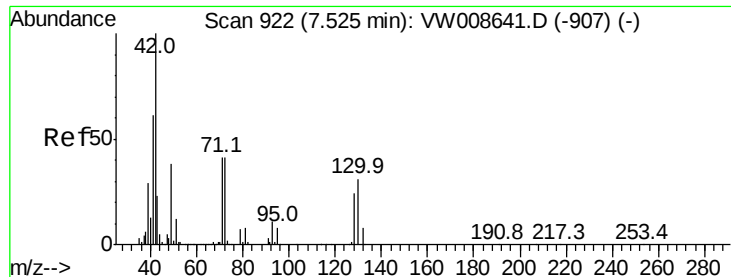


#28

Bromochloromethane
Concen: 21.653 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.2	
130	75.9	59.4	89.0	





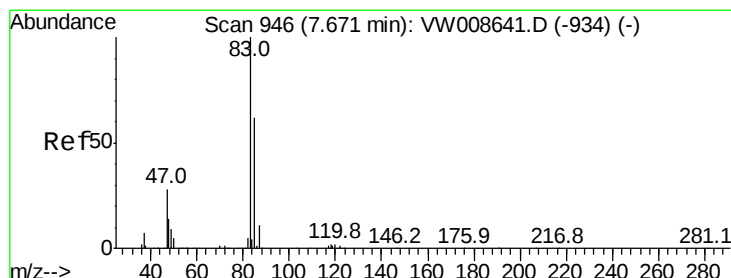
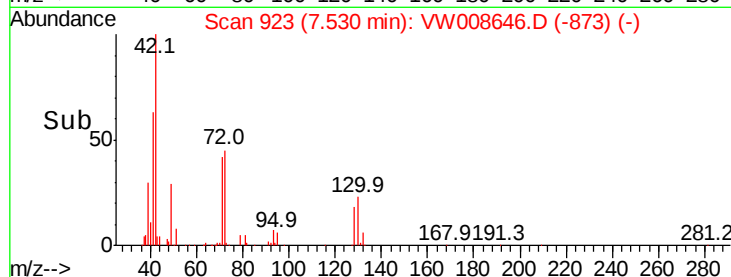
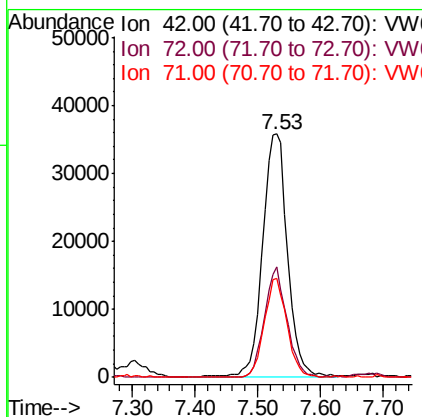
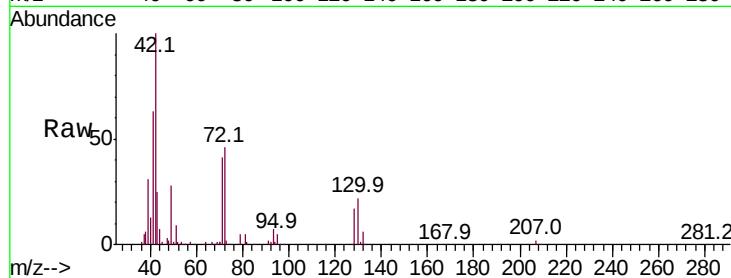
#29
Tetrahydrofuran
Concen: 118.398 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.2
71	36.8	31.0	46.6

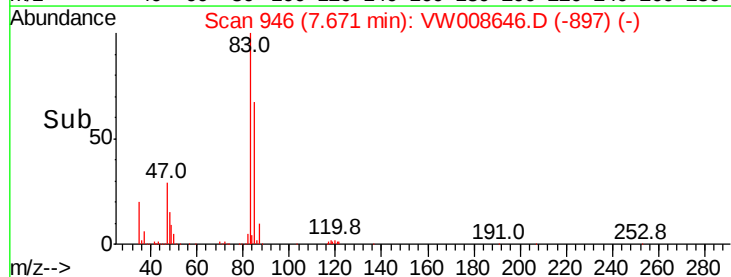
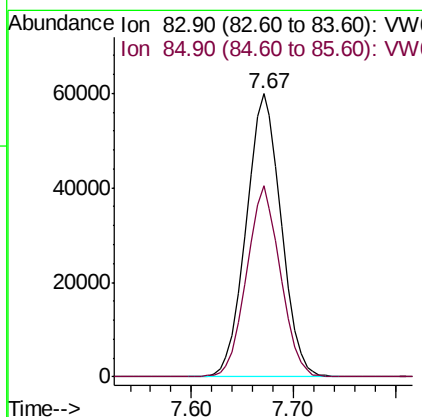
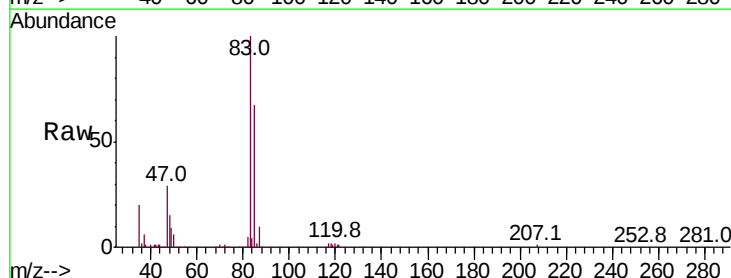
Manual Integrations
APPROVED

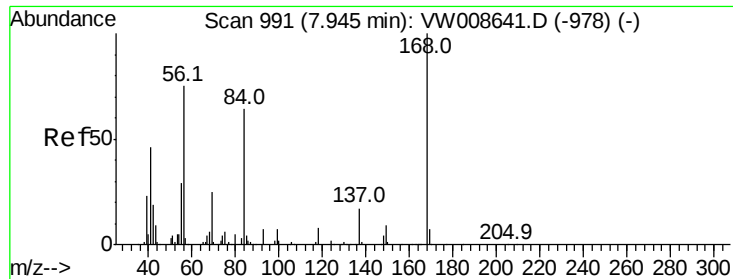
MMDadoda
2/14/2019 2:10:45 PM



#30
Chloroform
Concen: 19.935 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	49.8	74.8





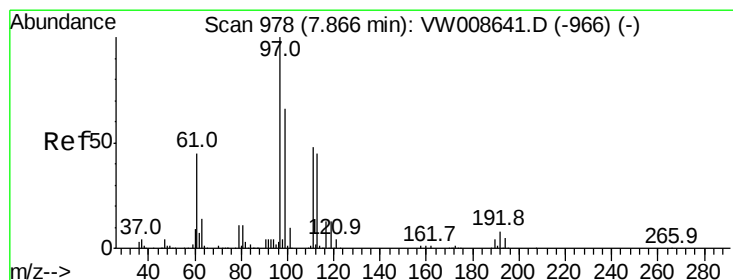
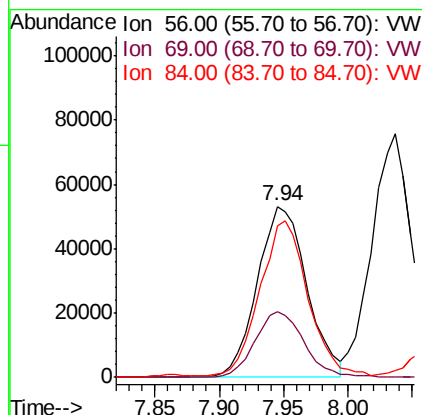
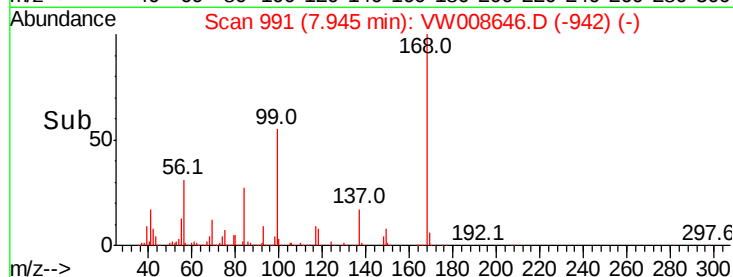
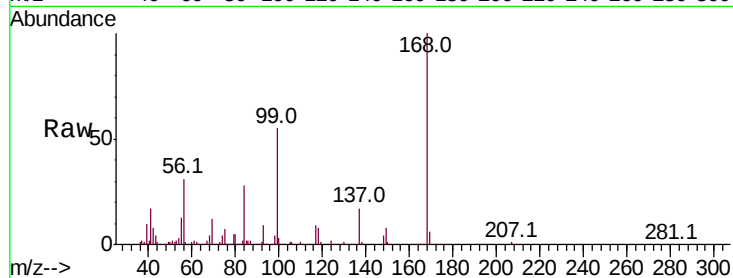
#31
Cvclohexane
Concen: 19.681 ug/l
RT: 7.94 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	26.4	39.6
84	87.6	67.4	101.2

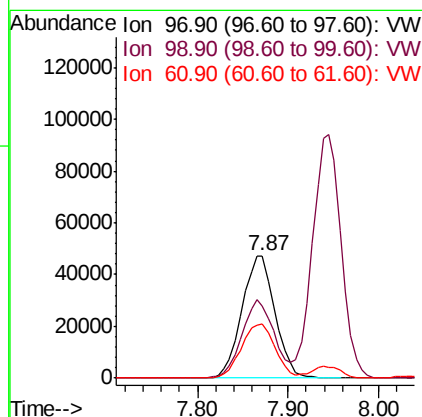
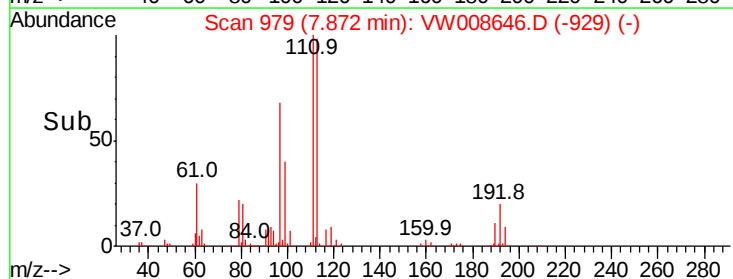
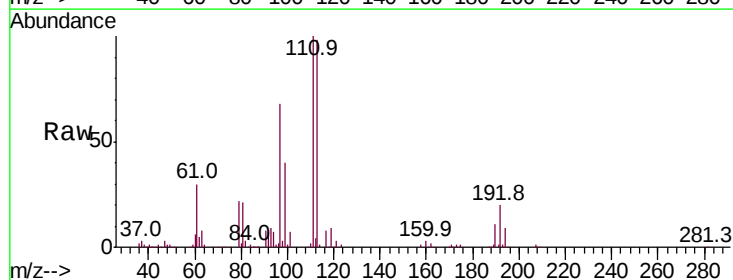
Manual Integrations
APPROVED

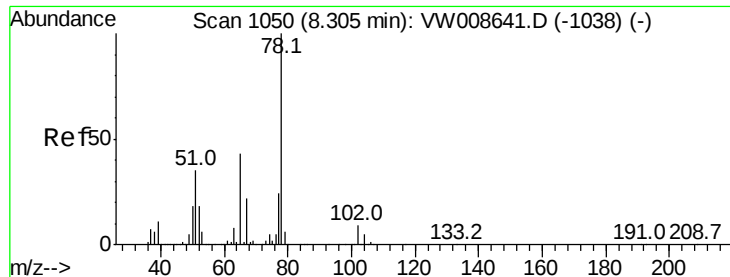
MMDadoda
2/14/2019 2:10:45 PM



#32
1,1,1-Trichloroethane
Concen: 19.776 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.6	77.4
61	45.7	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 51.099 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

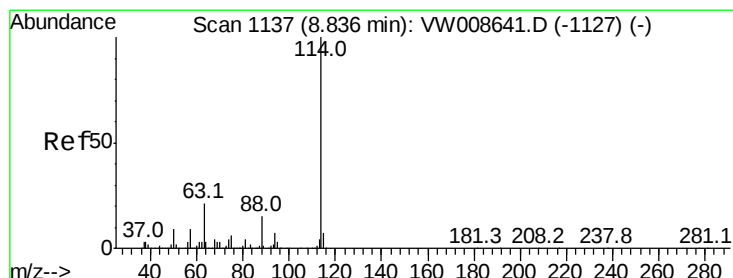
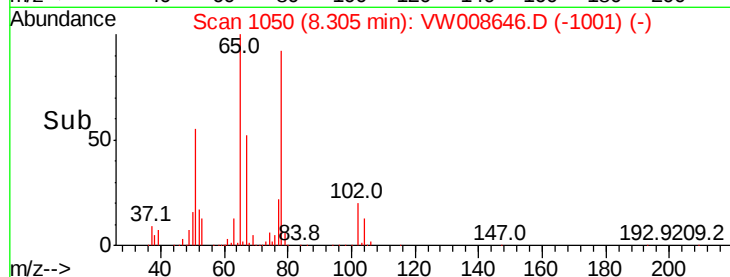
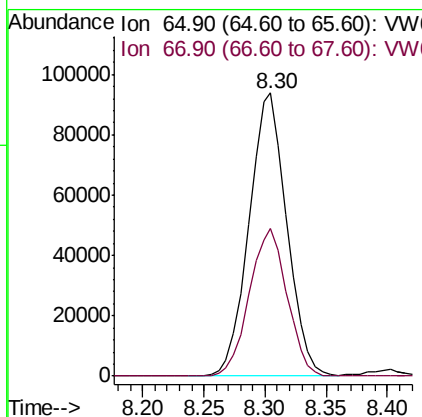
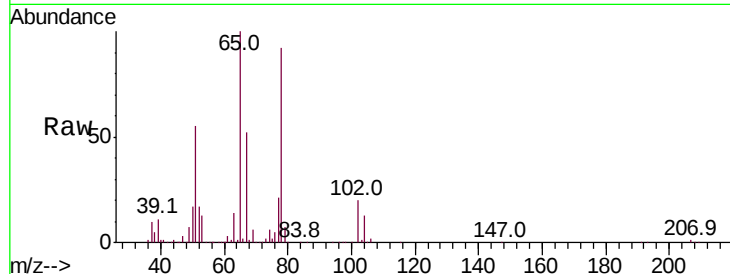
Instrument :
MSVOA_W

ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0

Manual Integrations
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2/14/2019 2:10:45 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

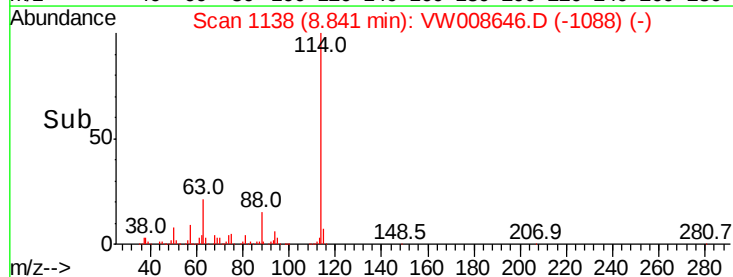
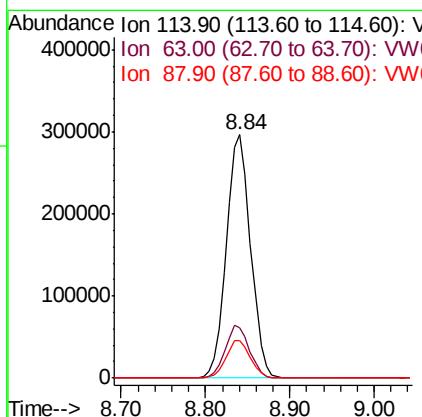
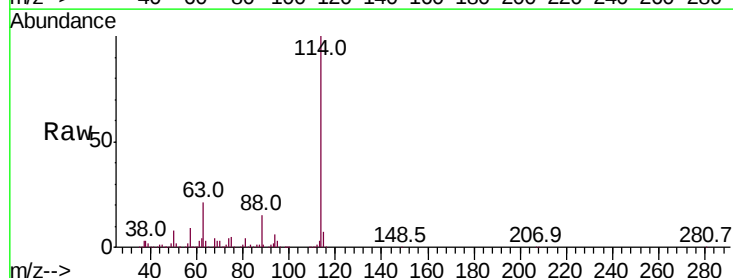
RT: 8.84 min Scan# 1138

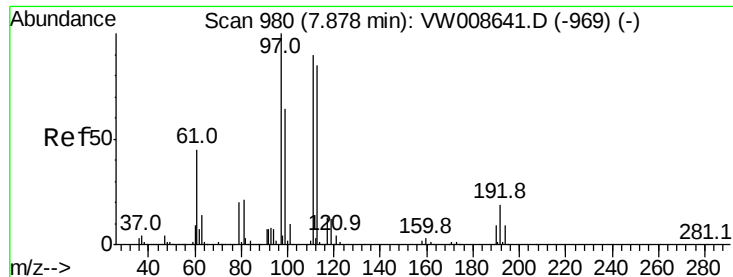
Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.2
88	15.4	0.0	29.6





#35

Dibromofluoromethane

Concen: 50.283 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

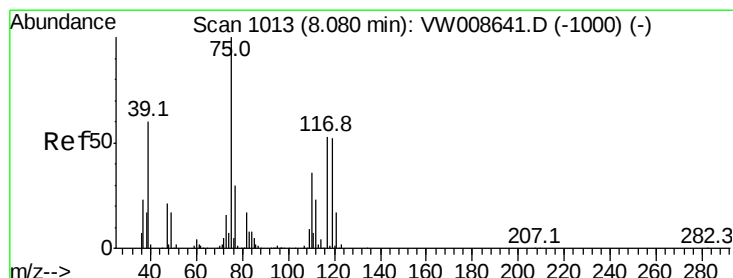
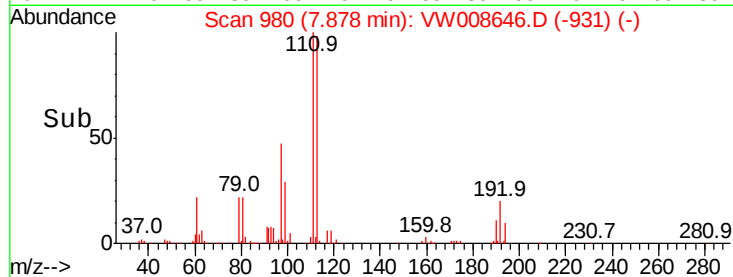
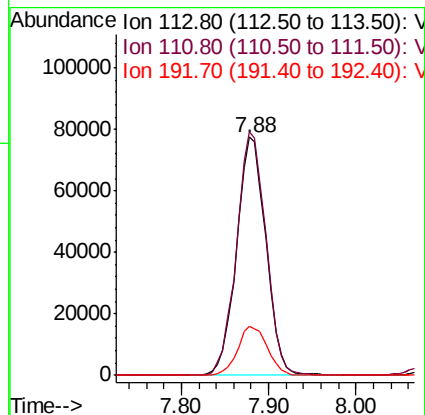
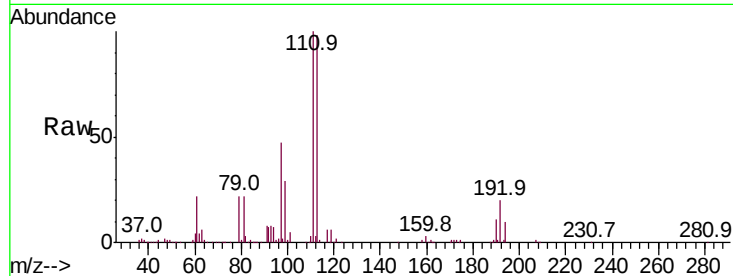
ClientSampled :

VW0213SBS01

Tot Ion:	113	Resp:	180829
Ion Ratio	Lower	Upper	
113	100		
111	102.6	84.0	126.0
192	20.9	17.4	26.2

Manual Integrations
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MMDadoda
2/14/2019 2:10:45 PM



#36

1,1-Dichloropropene

Concen: 19.653 ug/l

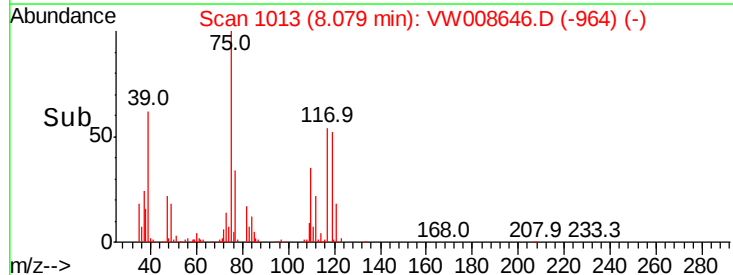
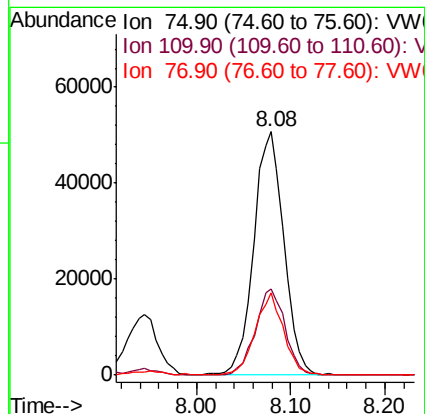
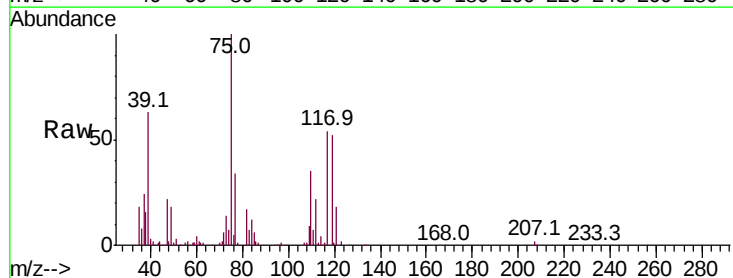
RT: 8.08 min Scan# 1013

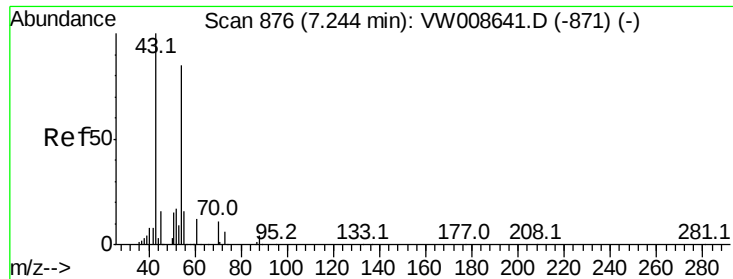
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	75	Resp:	114358
Ion Ratio	Lower	Upper	
75	100		
110	34.8	17.8	53.3
77	31.8	24.7	37.1





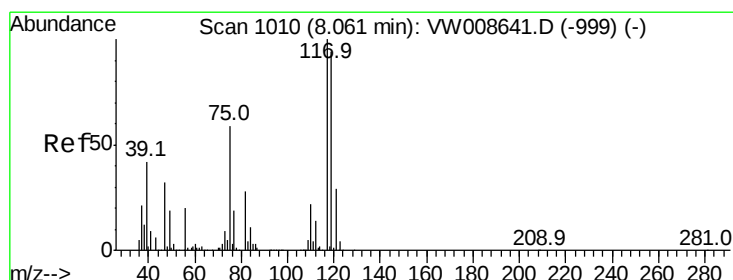
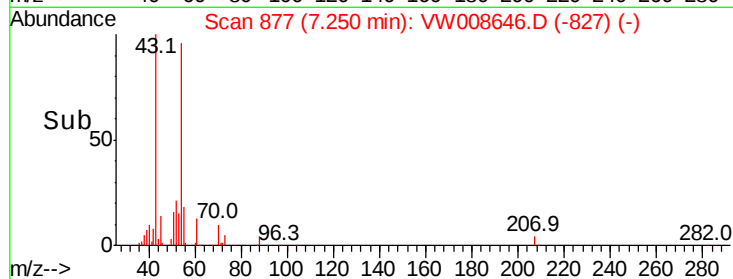
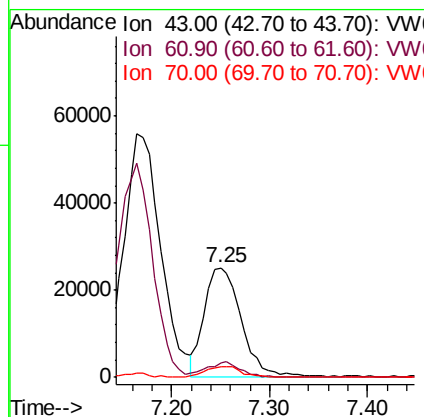
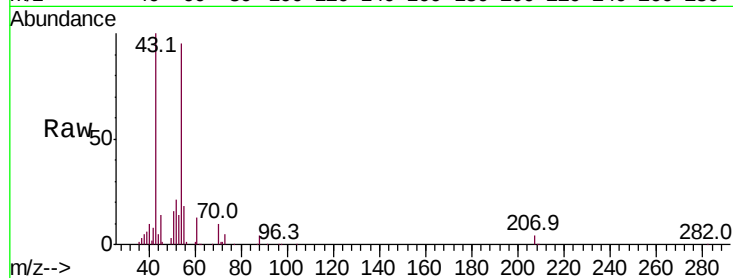
#37
Ethyl Acetate
Concen: 23.311 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	10.0	8.1	12.1

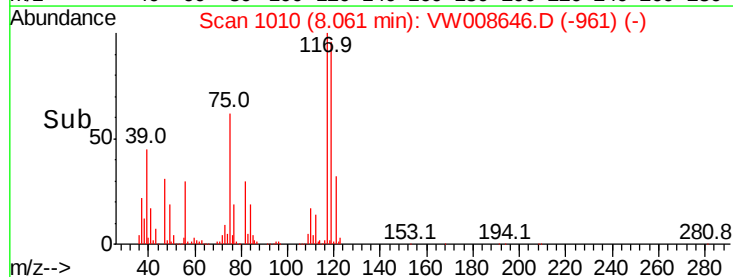
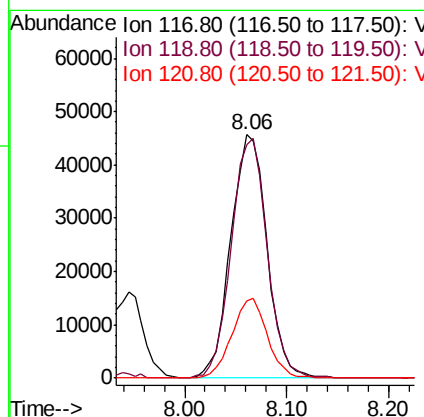
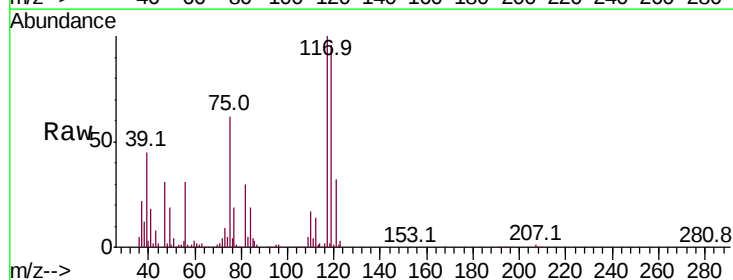
Manual Integrations
APPROVED

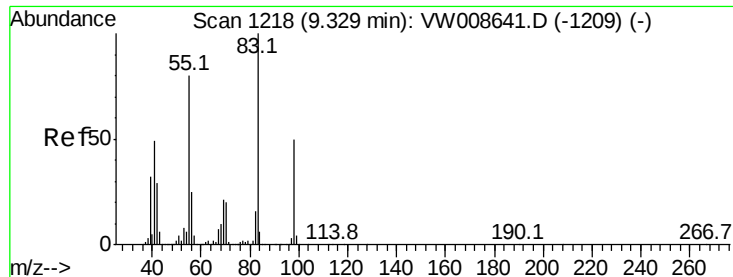
MMDadoda
2/14/2019 2:10:45 PM



#38
Carbon Tetrachloride
Concen: 19.455 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.1	112.7
121	31.7	23.5	35.3





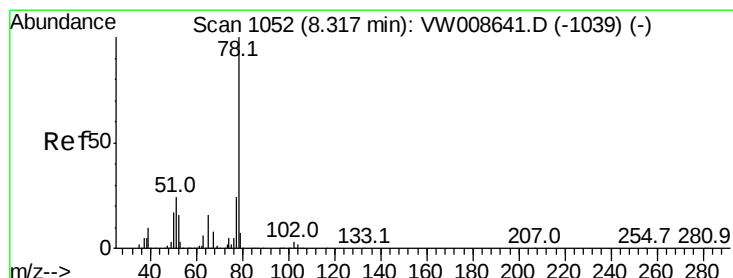
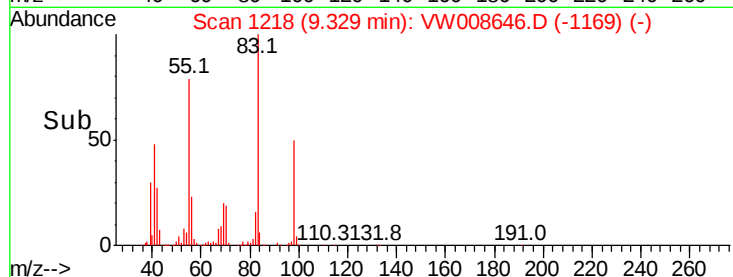
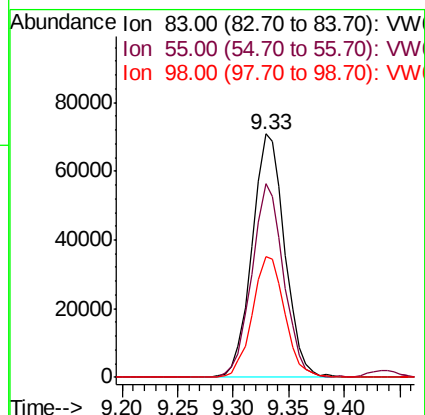
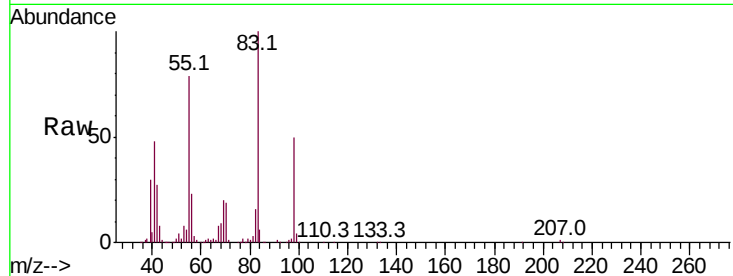
#39
Methylcyclohexane
Concen: 19.672 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	83	Resp	144781
Ion Ratio	Lower	Upper	
83	100		
55	79.2	63.9	95.9
98	49.6	40.2	60.2

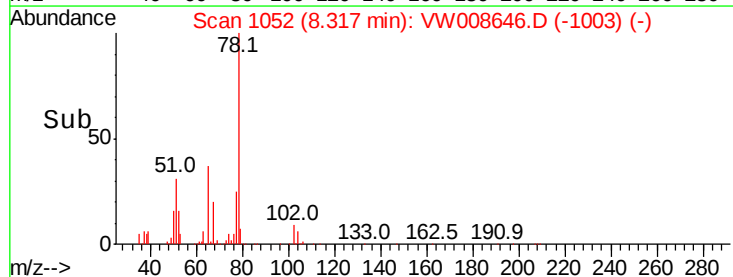
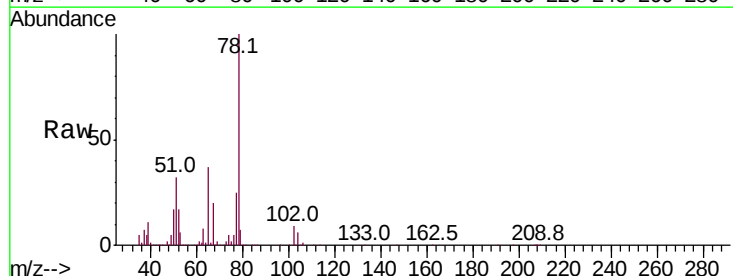
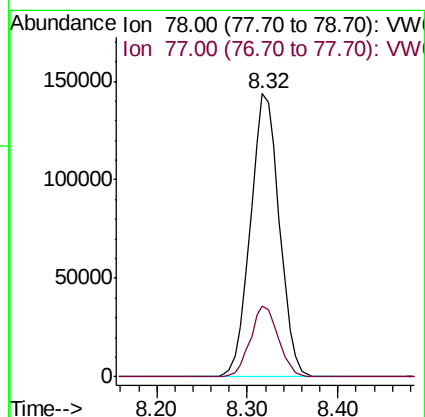
Manual Integrations
APPROVED

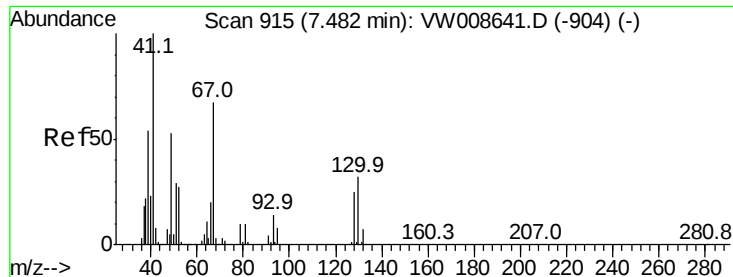
MMDadoda
2/14/2019 2:10:45 PM



#40
Benzene
Concen: 19.939 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	78	Resp	316863
Ion Ratio	Lower	Upper	
78	100		
77	24.9	19.5	29.3





#41

Methacrylonitrile

Concen: 23.732 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

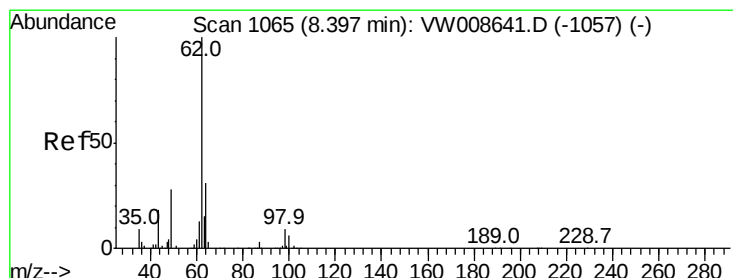
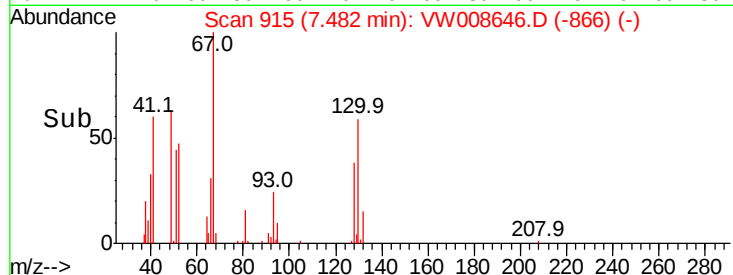
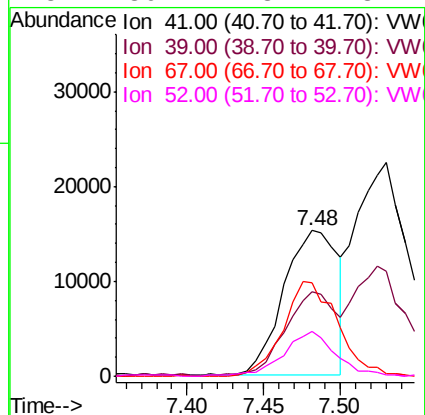
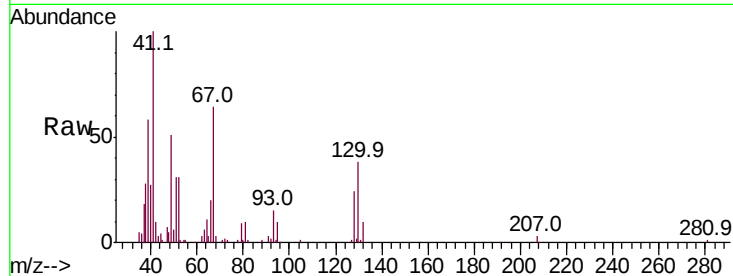
ClientSampleId :

VW0213SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.1	39.7	59.5
67	66.1	52.5	78.7
52	30.4	23.1	34.7

Manual Integrations
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MMDadoda
2/14/2019 2:10:45 PM



#42

1,2-Dichloroethane

Concen: 21.142 ug/l

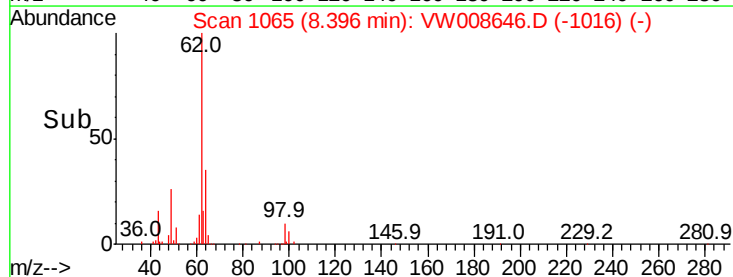
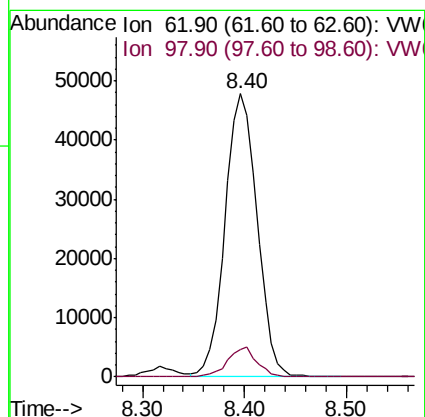
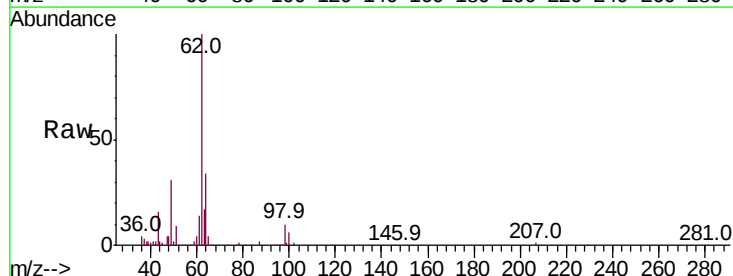
RT: 8.40 min Scan# 1065

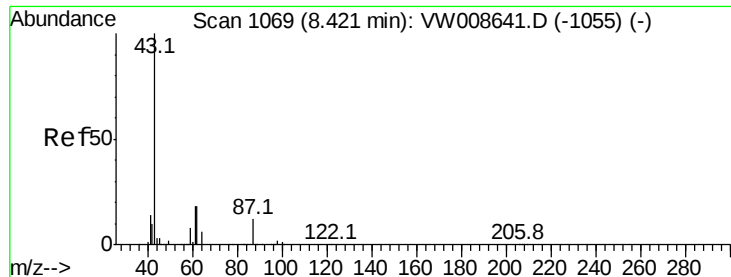
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43

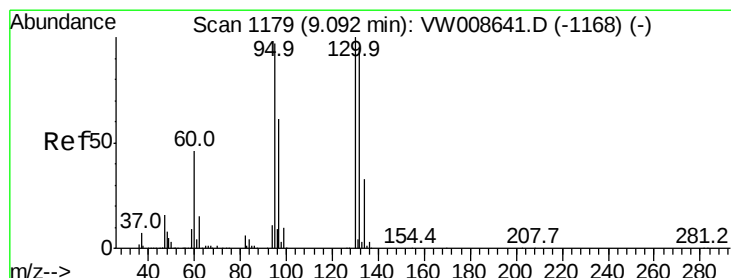
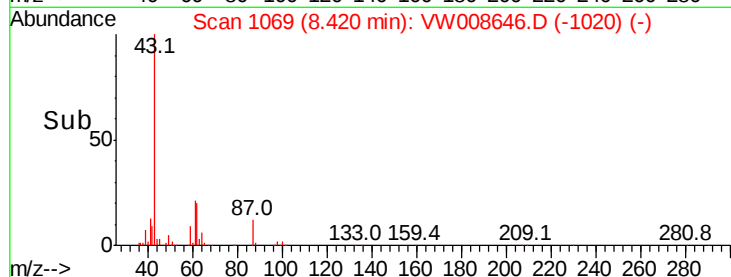
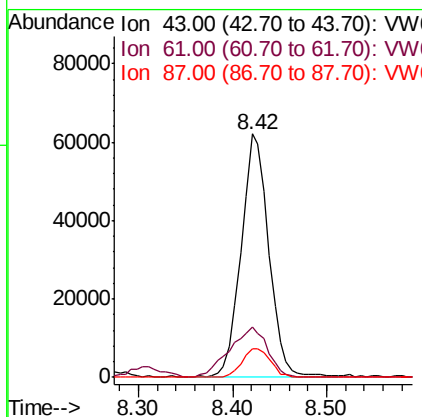
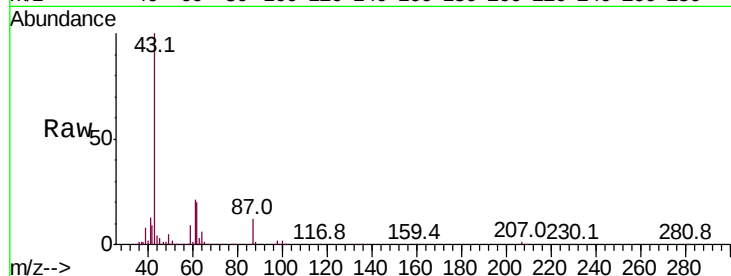
Isopropyl Acetate
 Concen: 22.649 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	21.4	32.2
87	12.0	9.8	14.8

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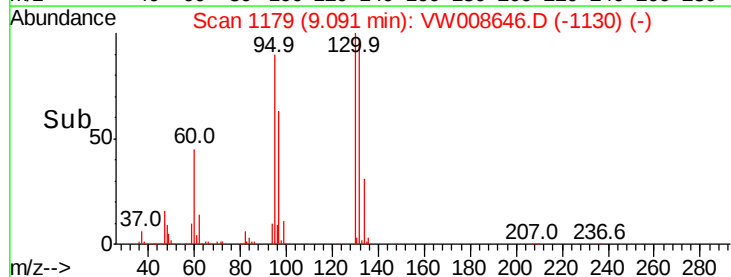
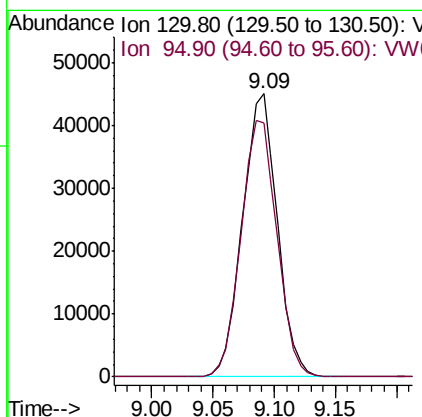
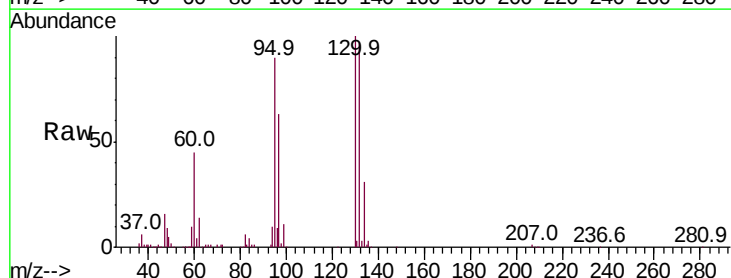
MMDadoda
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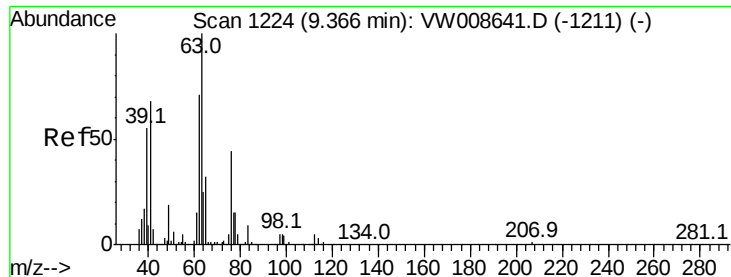


#44

Trichloroethene
 Concen: 20.204 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	193.4





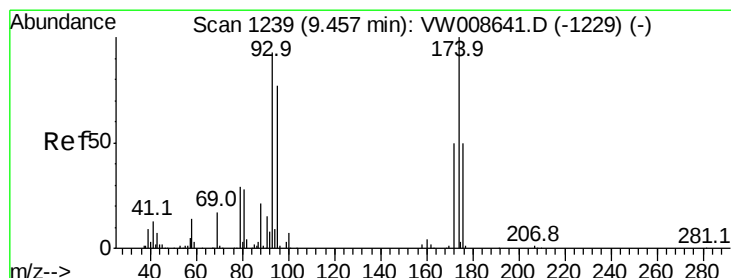
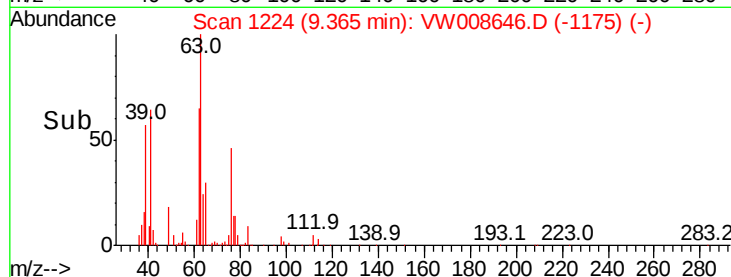
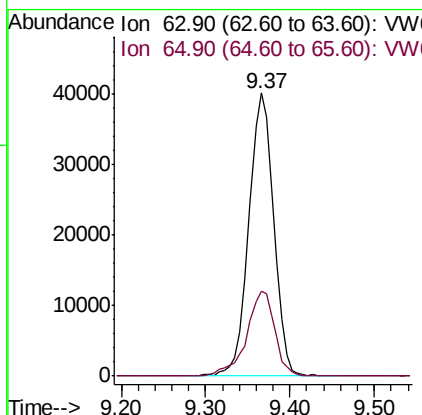
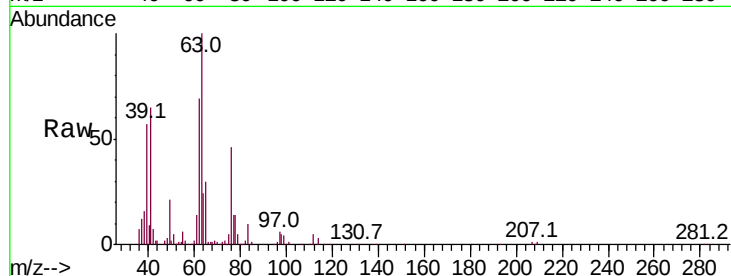
#45
 1,2-Dichloropropane
 Concen: 20.381 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.0	25.4	38.0	

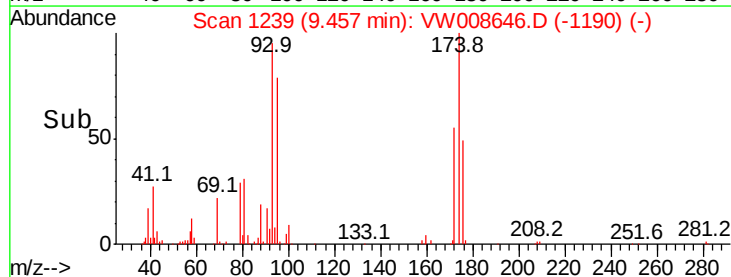
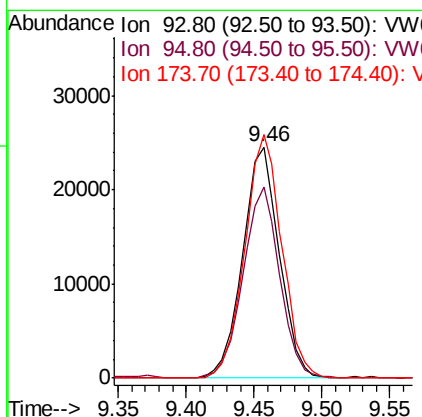
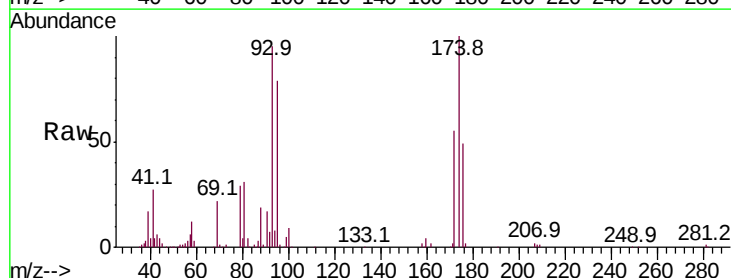
Manual Integrations
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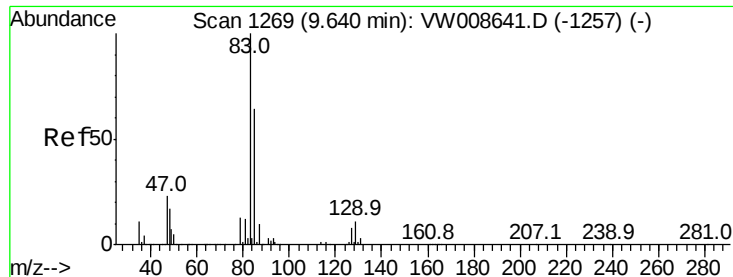
MMDadoda
 2/14/2019 2:10:45 PM



#46
 Dibromomethane
 Concen: 21.324 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	83.0	65.8	98.8	
174	106.2	82.5	123.7	





#47

Bromodichloromethane

Concen: 20.618 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

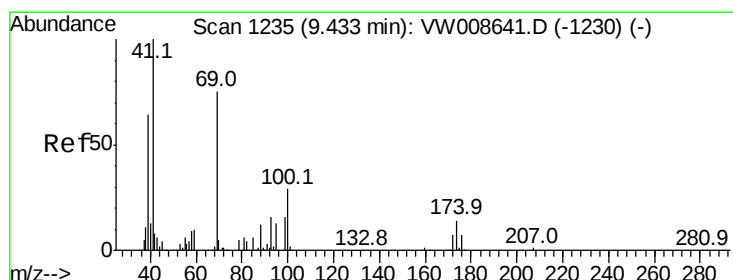
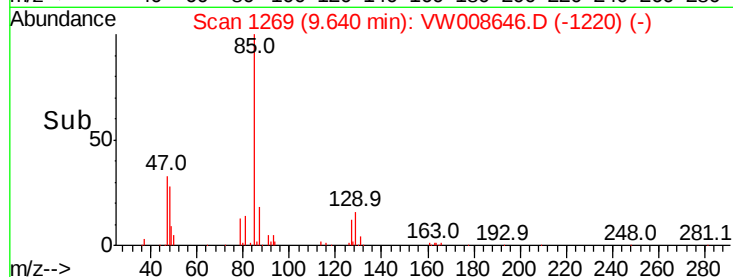
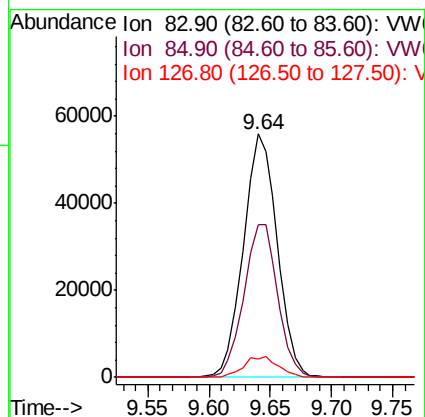
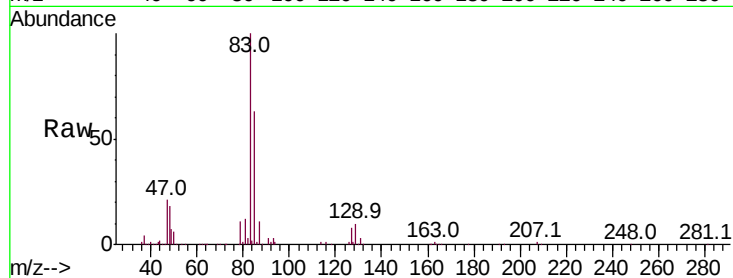
ClientSampleId :

VW0213SBS01

Tot Ion:	83	Resp:	107351
Ion Ratio	Lower	Upper	
83	100		
85	62.8	51.2	76.8
127	7.6	6.4	9.6

Manual Integrations
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2/14/2019 2:10:45 PM



#48

Methyl methacrylate

Concen: 22.052 ug/l

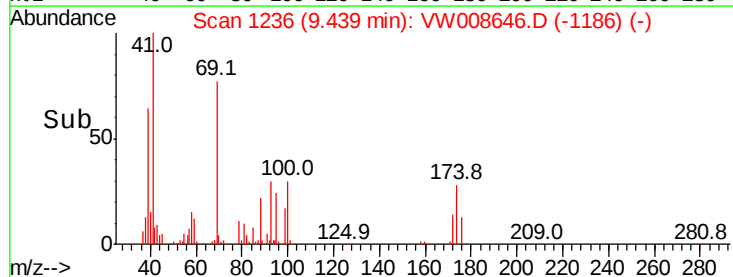
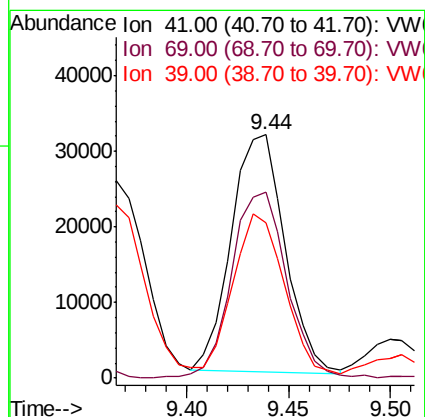
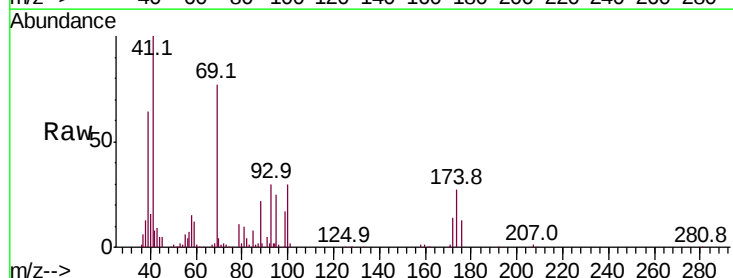
RT: 9.44 min Scan# 1236

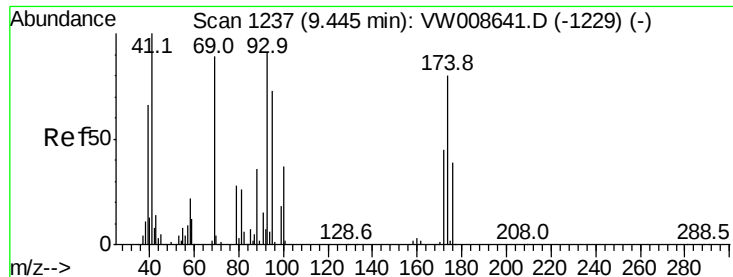
Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	41	Resp:	57199
Ion Ratio	Lower	Upper	
41	100		
69	80.5	64.1	96.1
39	67.5	52.3	78.5





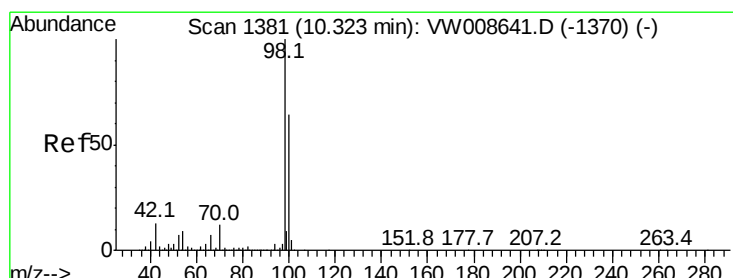
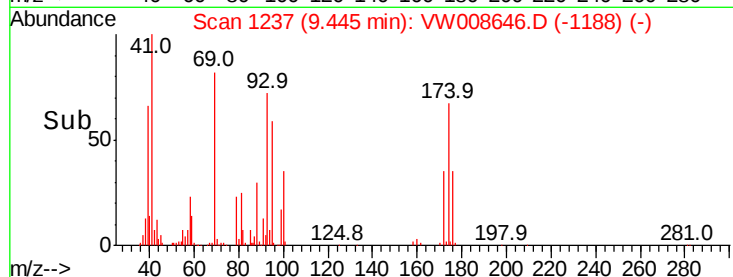
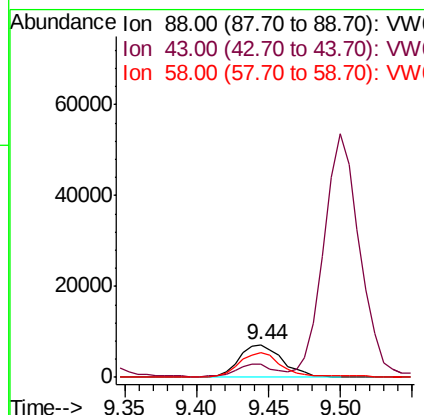
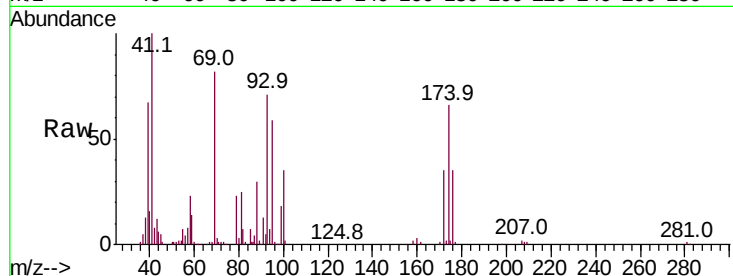
#49
1,4-Dioxane
Concen: 441.589 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	31.0	46.6
58	75.2	57.0	85.6

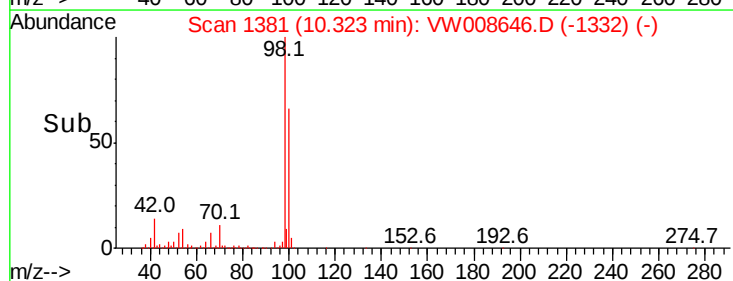
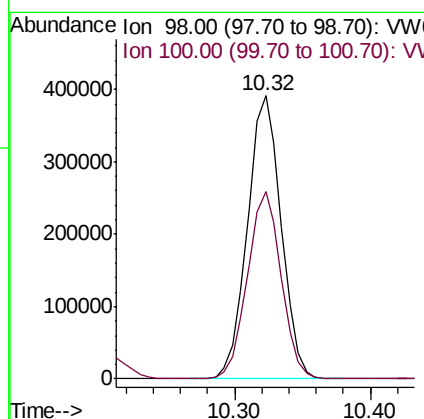
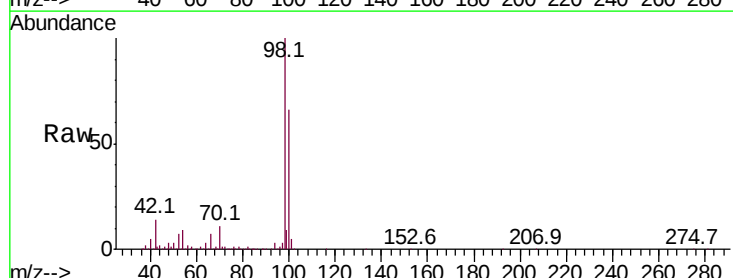
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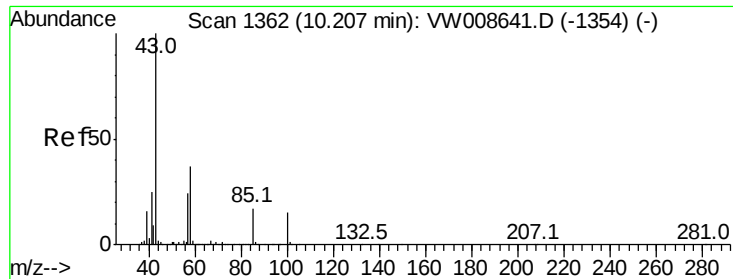
MMDadoda
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#50
Toluene-d8
Concen: 49.080 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 115.425 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 43 Resp: 331855

Ion Ratio Lower Upper

43 100

58 36.5

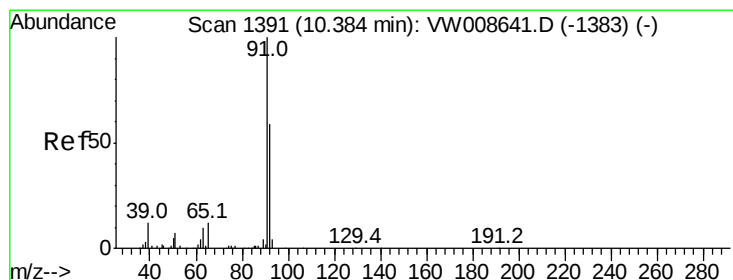
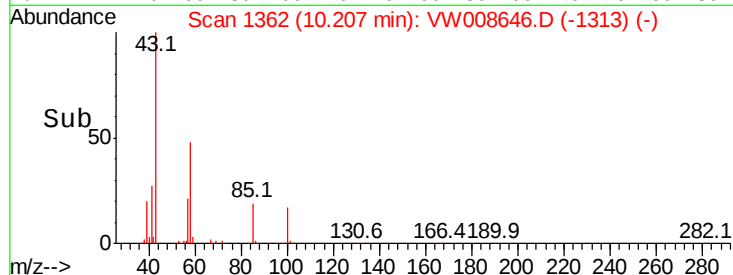
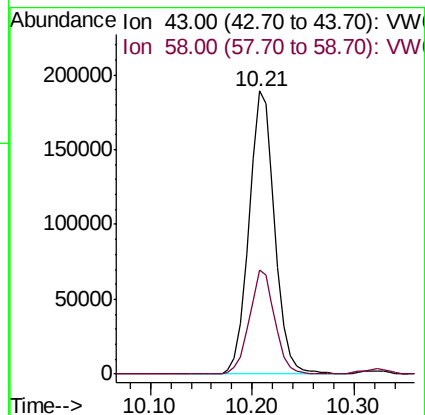
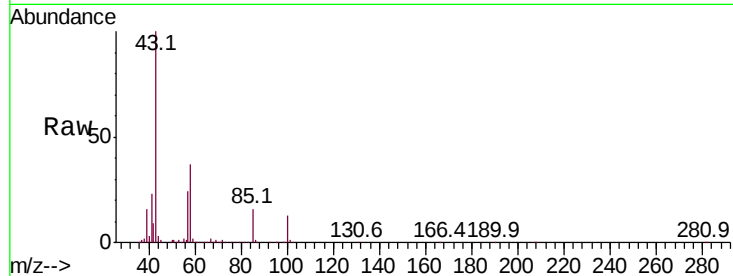
29.0

43.6

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#52

Toluene

Concen: 20.101 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion: 92 Resp: 206075

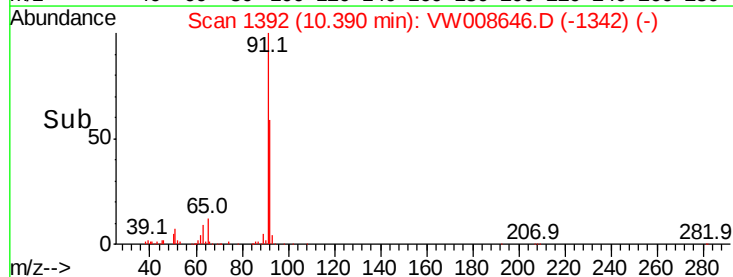
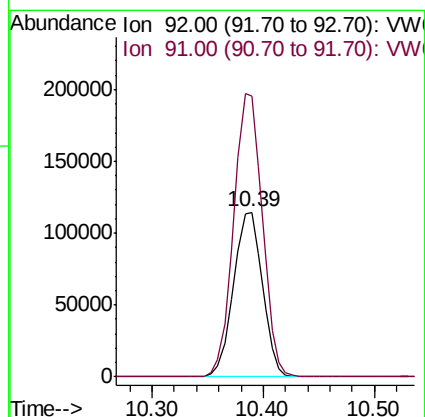
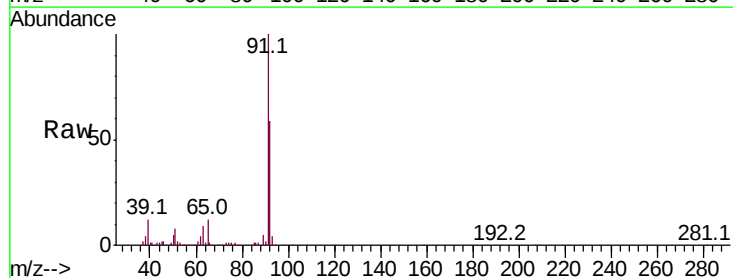
Ion Ratio Lower Upper

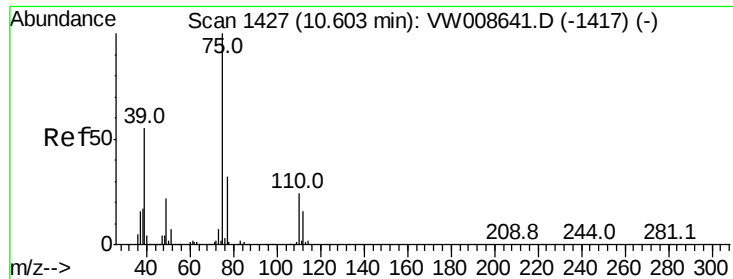
92 100

91 170.6

135.8

203.6





#53

t-1,3-Dichloropropene

Concen: 20.226 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W

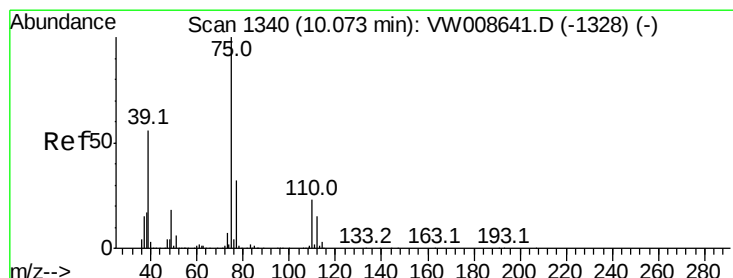
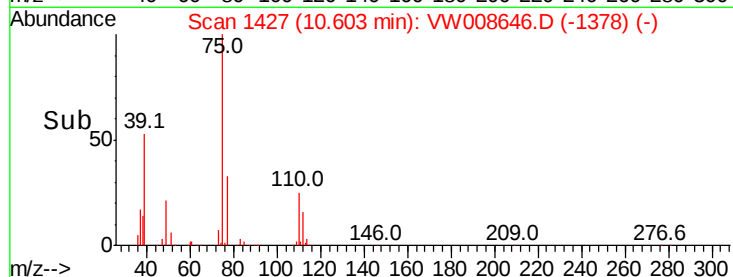
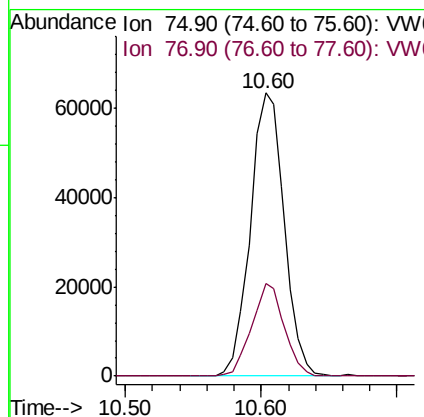
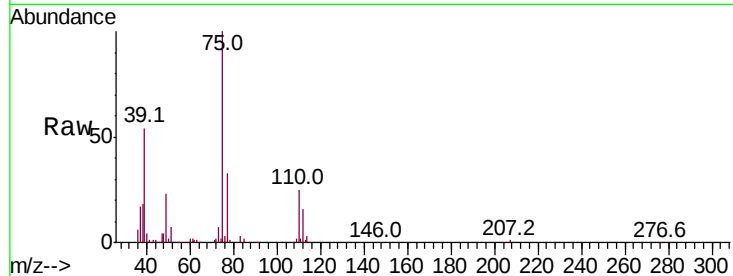
ClientSampleId :
VW0213SBS01

Tot Ion: 75 Resp: 110635

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.7	38.5

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 20.658 ug/l

RT: 10.07 min Scan# 1339

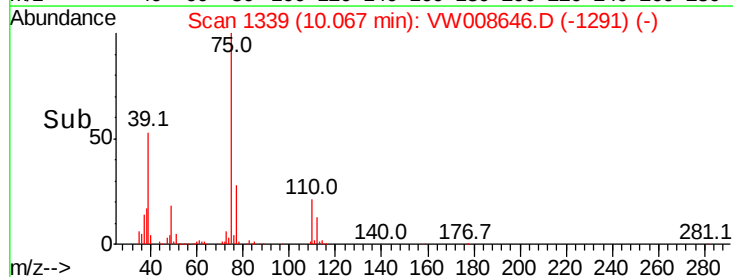
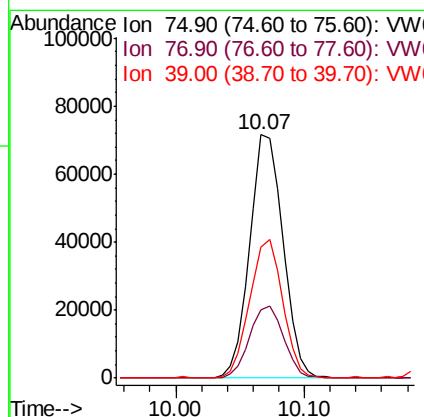
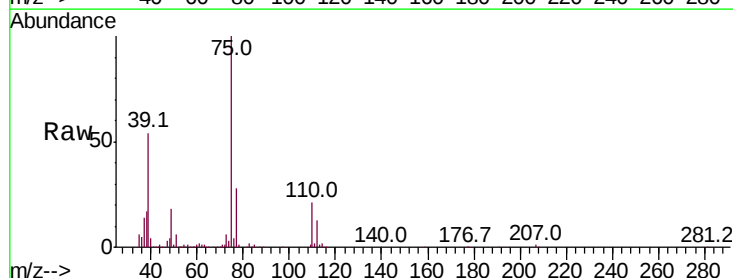
Delta R.T. -0.01 min

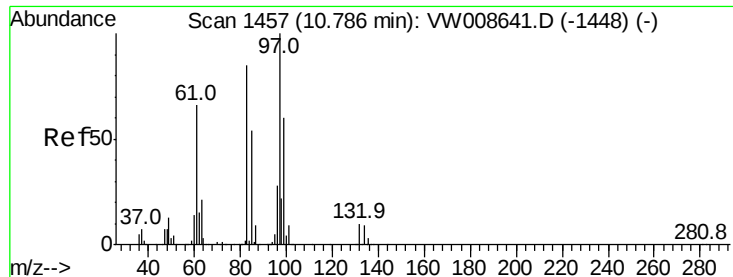
Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion: 75 Resp: 128088

Ion	Ratio	Lower	Upper
75	100		
77	27.9	25.4	38.0
39	53.7	44.5	66.7





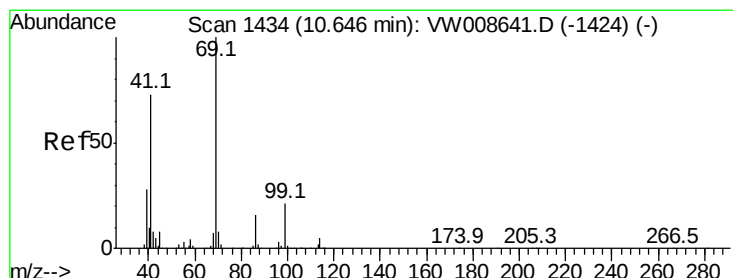
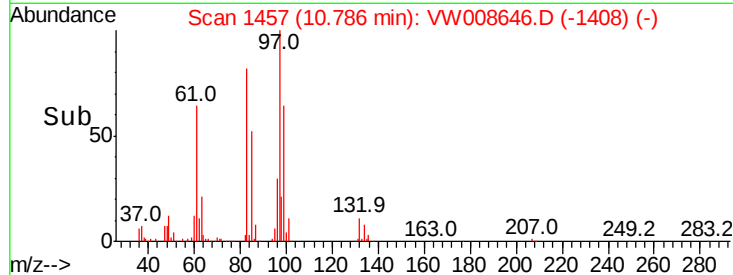
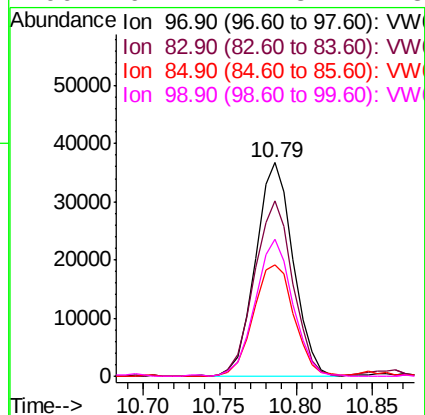
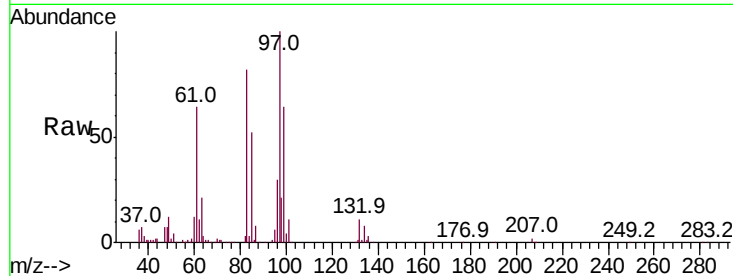
#55
 1,1,2-Trichloroethane
 Concen: 21.202 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.1	68.4	102.6
85	52.4	43.1	64.7
99	64.1	47.8	71.8

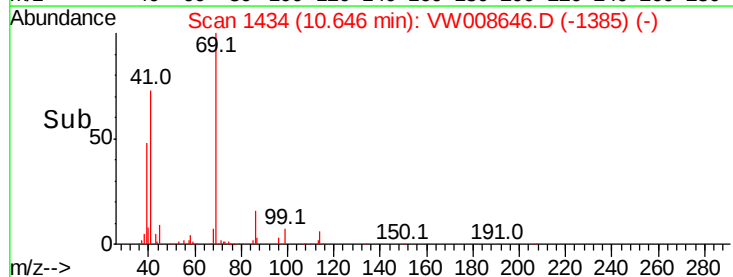
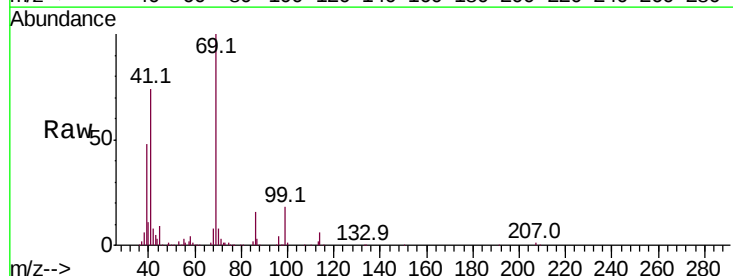
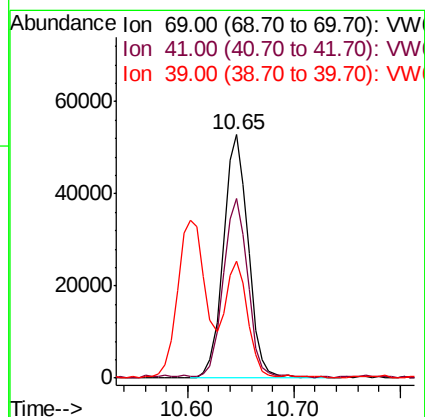
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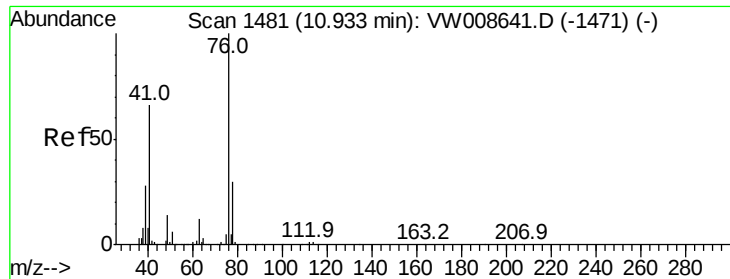
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 21.849 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.2	59.0	88.4
39	41.6	34.4	51.6





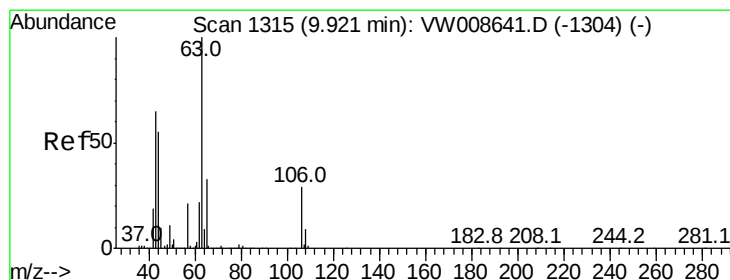
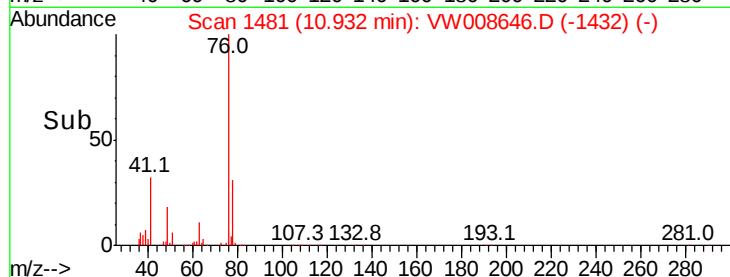
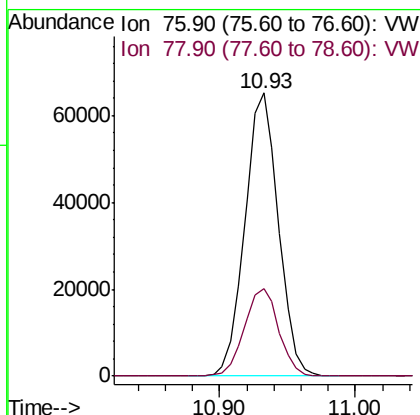
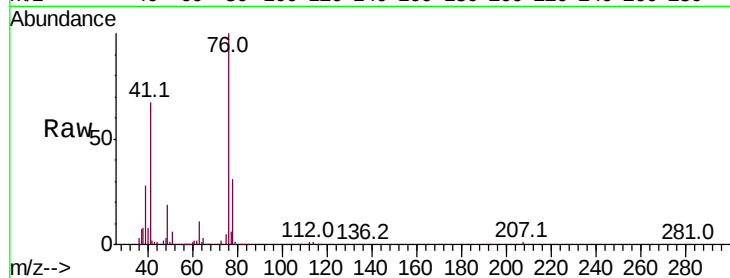
#57
 1,3-Dichloropropane
 Concen: 21.246 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion: 76 Resp: 112058
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.4 38.0

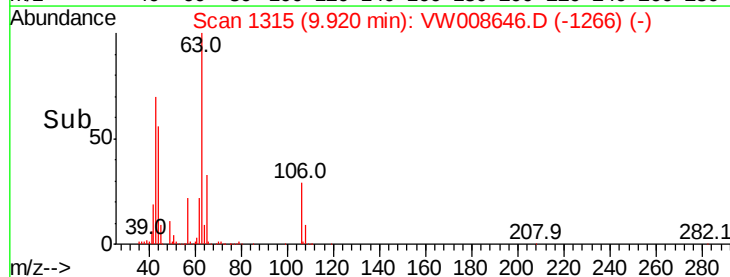
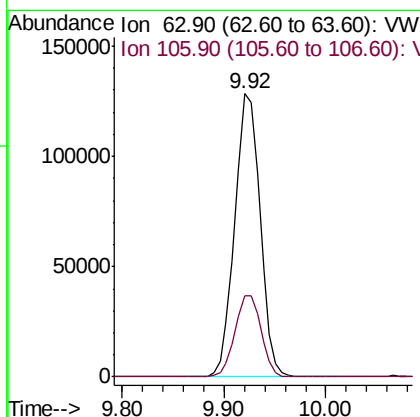
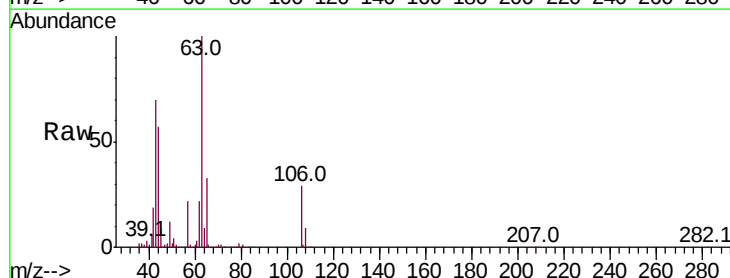
Manual Integrations
 APPROVED

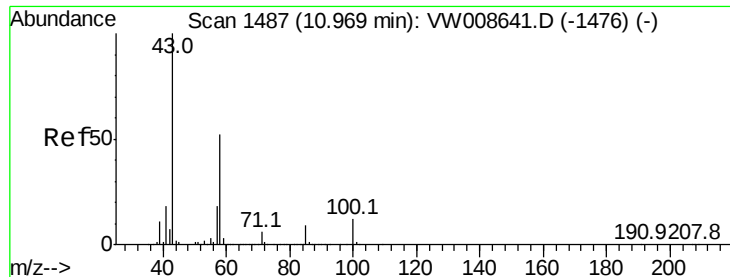
MMDadoda
 2/14/2019 2:10:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 116.541 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Tgt Ion: 63 Resp: 220675
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.4 35.2





#59

2-Hexanone

Concen: 112.134 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 43 Resp: 226481

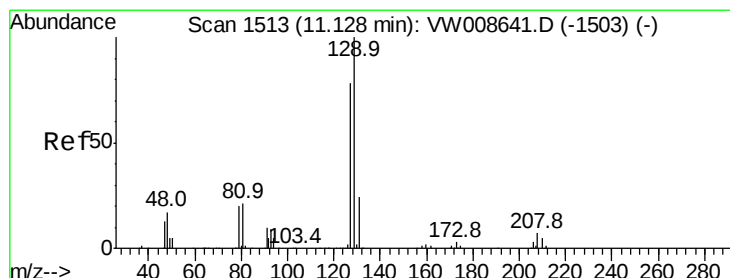
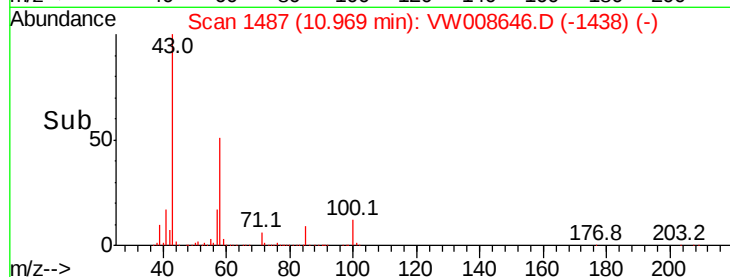
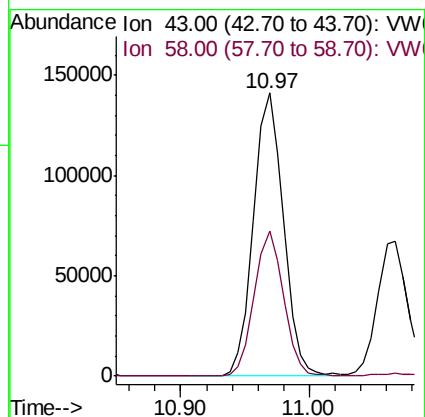
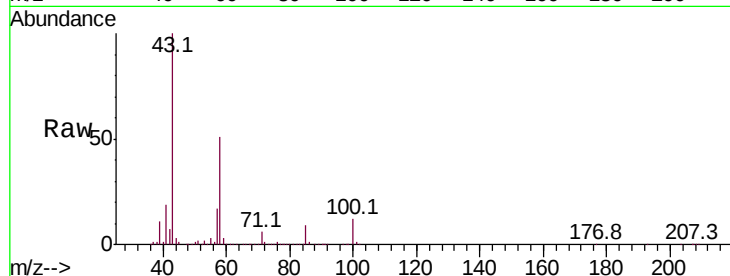
Ion Ratio Lower Upper

43 100

58 50.4 25.6 76.6

Manual Integrations
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2/14/2019 2:10:45 PM



#60

Dibromochloromethane

Concen: 20.379 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW008646.D

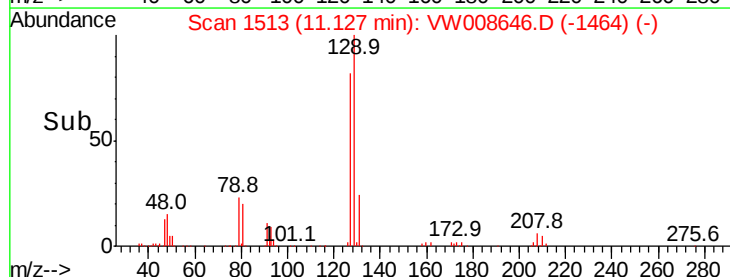
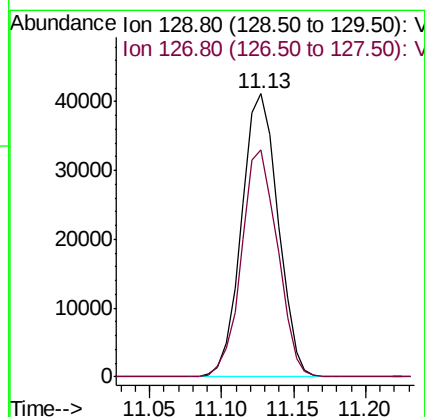
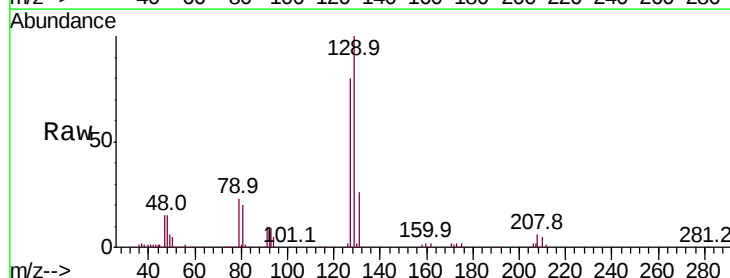
Acq: 13 Feb 2019 19:44

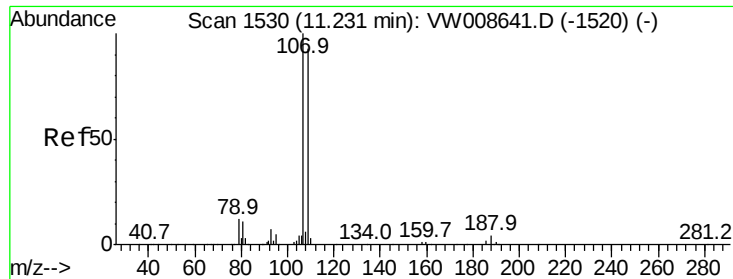
Tgt Ion: 129 Resp: 72486

Ion Ratio Lower Upper

129 100

127 78.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.370 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.01 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 107 Resp: 62549

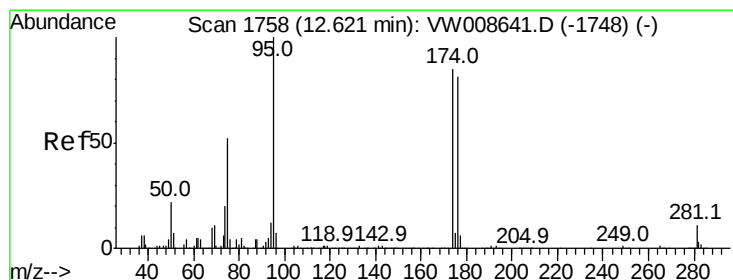
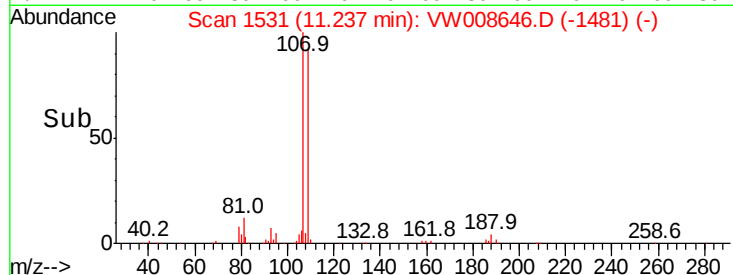
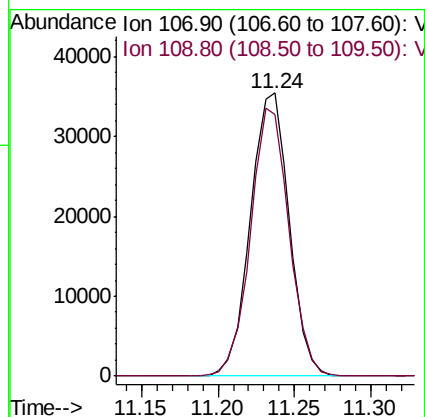
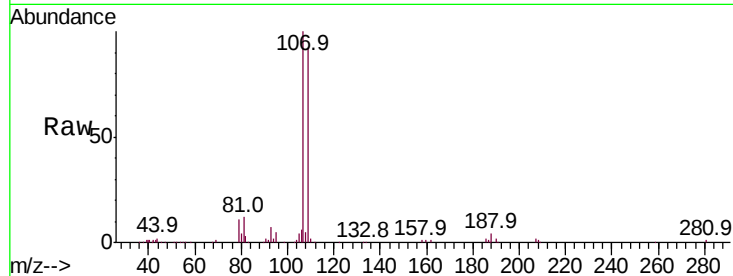
Ion Ratio Lower Upper

107 100

109 93.9 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
2/14/2019 2:10:45 PM



#62

4-Bromofluorobenzene

Concen: 48.496 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

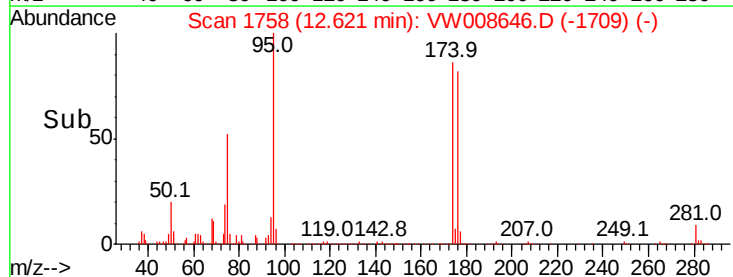
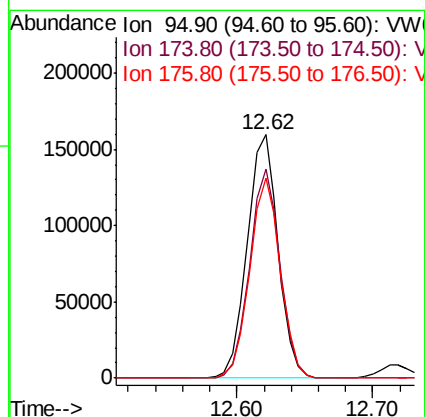
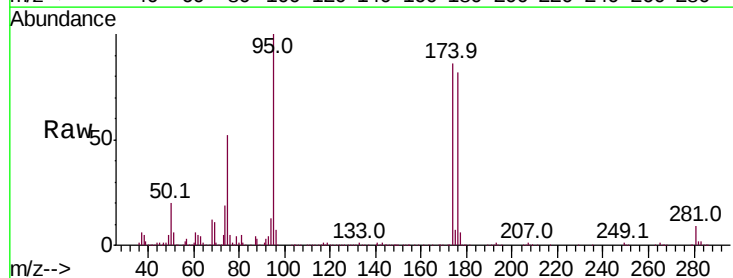
Tgt Ion: 95 Resp: 253233

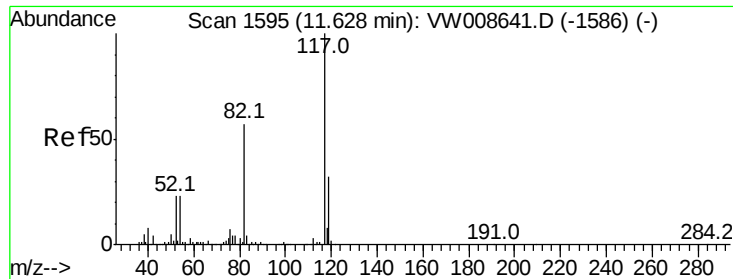
Ion Ratio Lower Upper

95 100

174 84.8 0.0 163.2

176 81.2 0.0 158.0





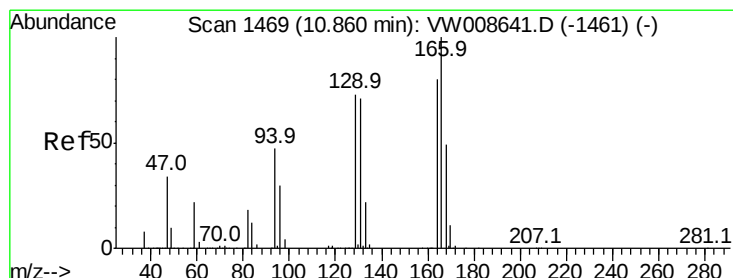
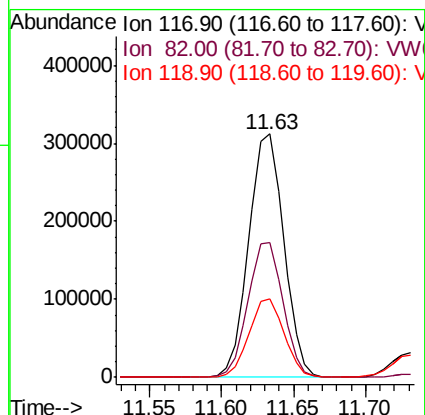
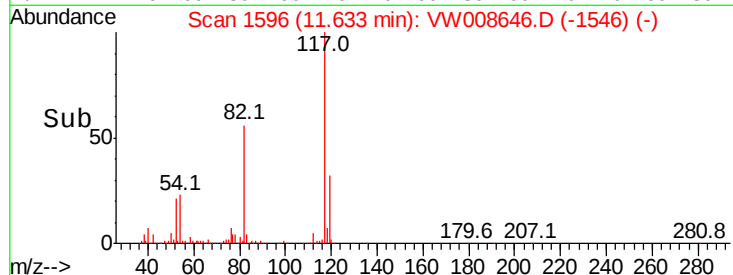
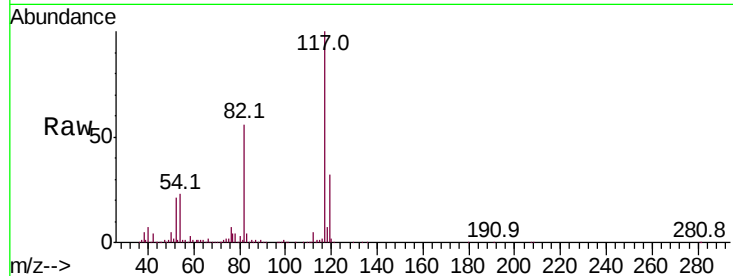
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	55.6	45.6	68.4
119	32.3	25.7	38.5

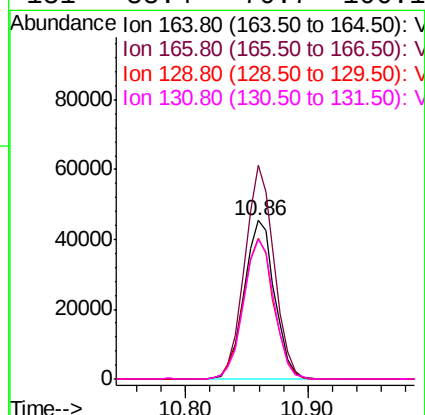
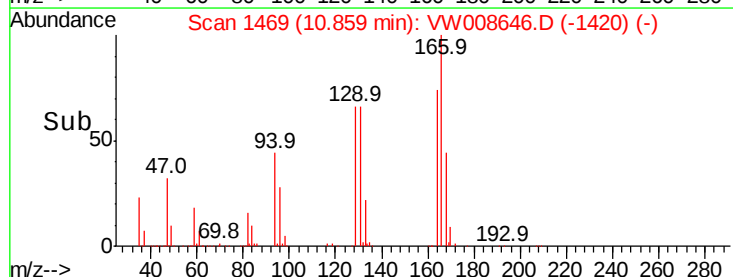
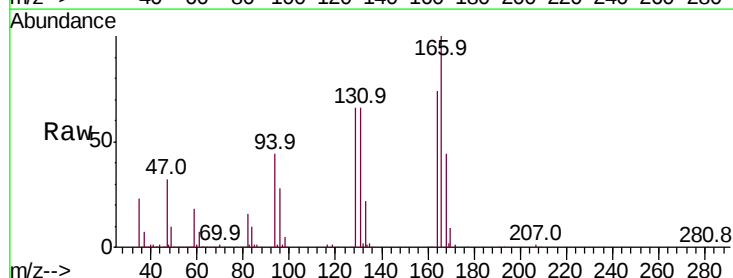
Manual Integrations
APPROVED

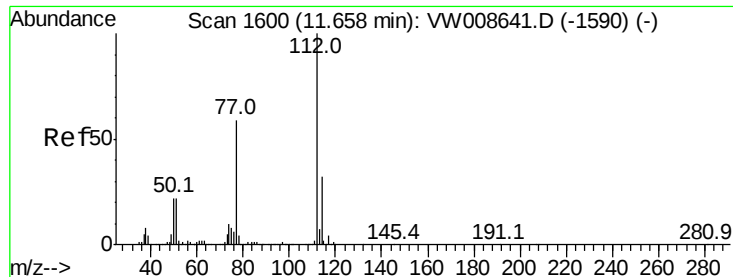
MMDadoda
2/14/2019 2:10:45 PM



#64
Tetrachloroethene
Concen: 20.072 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	134.9	100.2	150.2
129	88.9	73.6	110.4
131	88.4	70.7	106.1





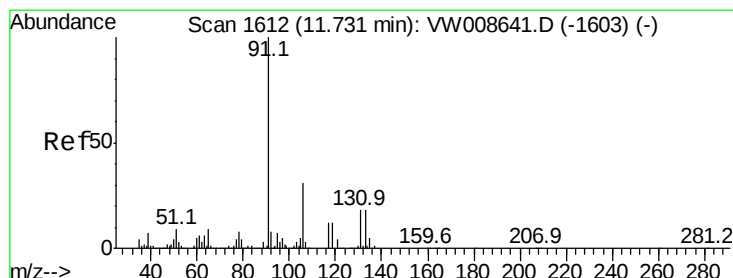
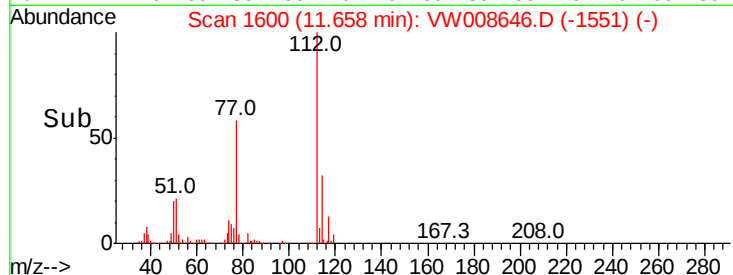
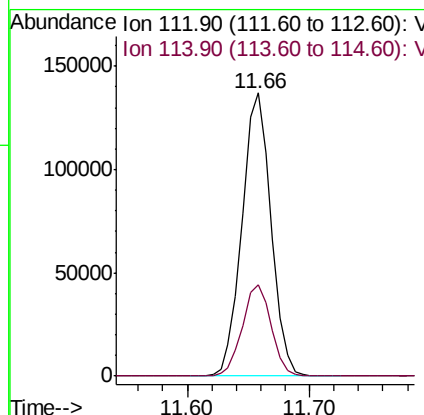
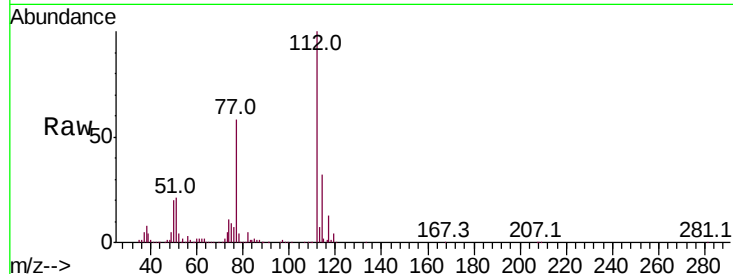
#65
Chlorobenzene
Concen: 19.857 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

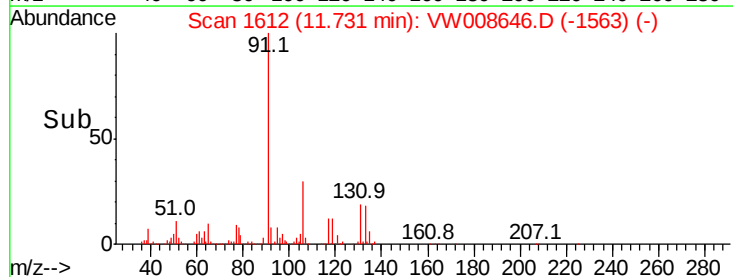
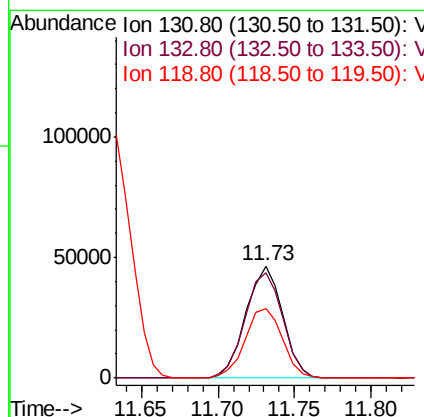
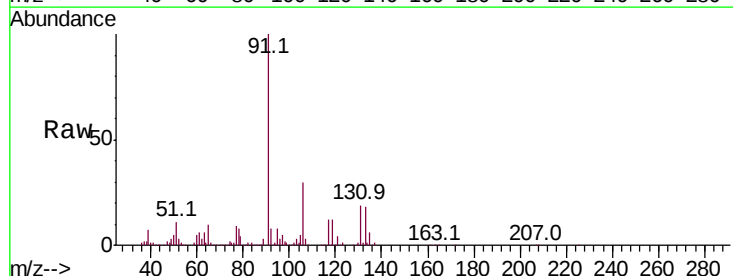
Manual Integrations
APPROVED

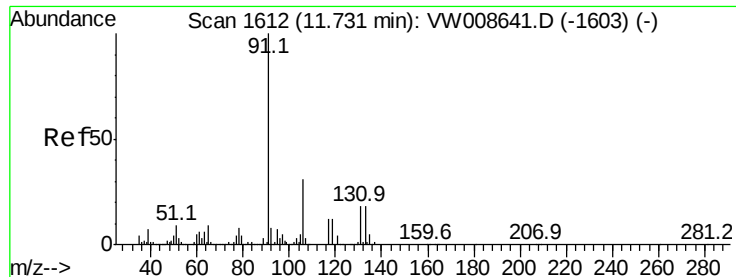
MMDadoda
2/14/2019 2:10:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.385 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.8	143.4
119	63.2	31.6	94.8





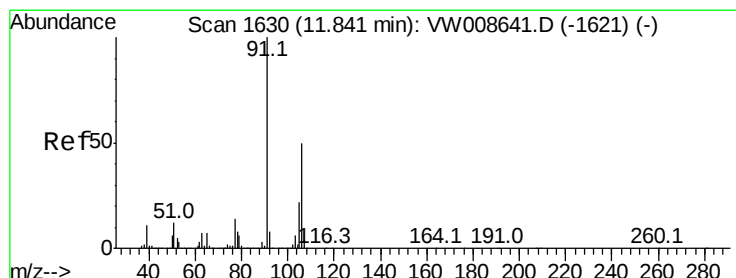
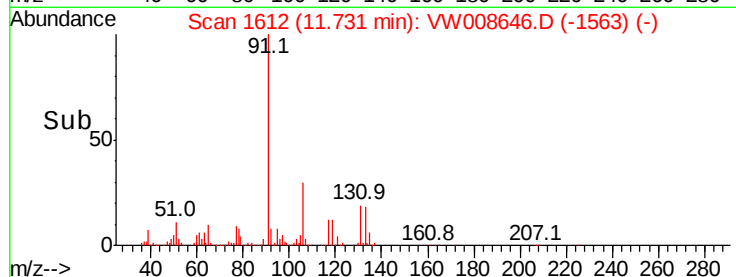
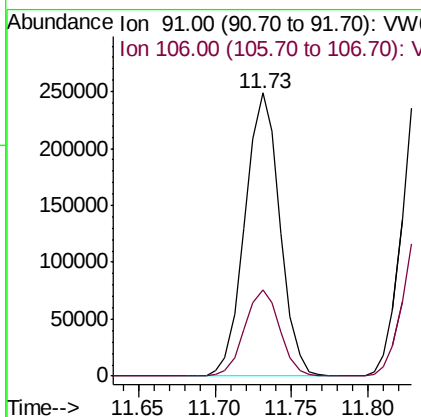
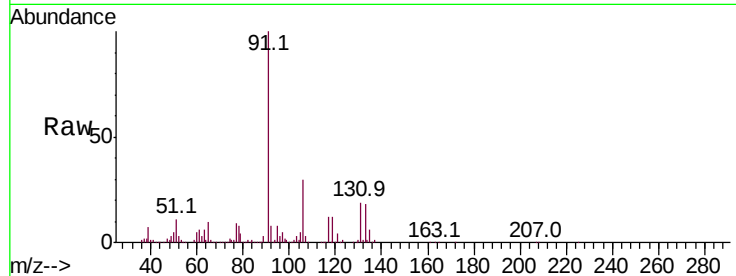
#67
Ethyl Benzene
Concen: 19.516 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.5	36.7

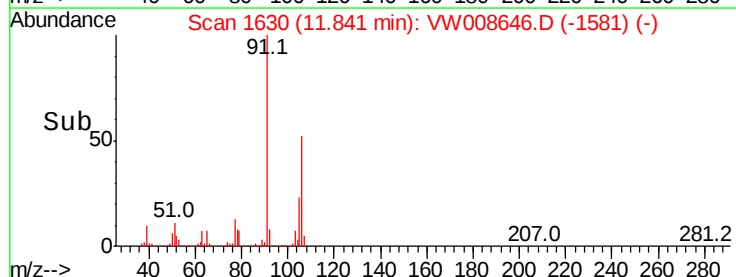
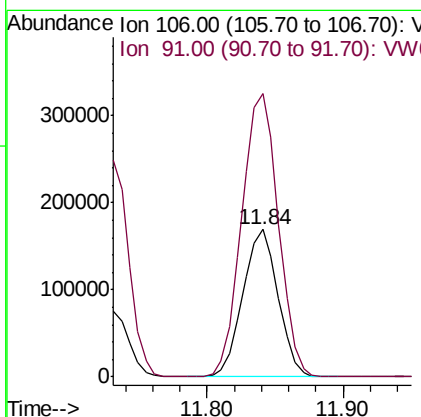
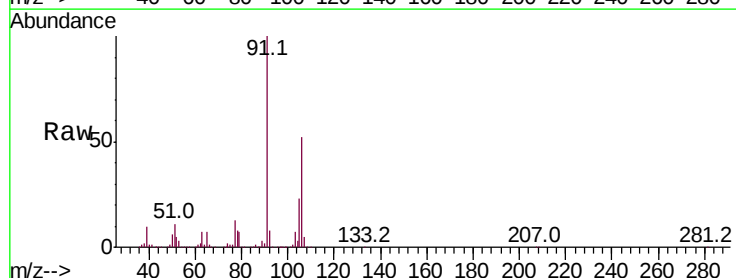
Manual Integrations
APPROVED

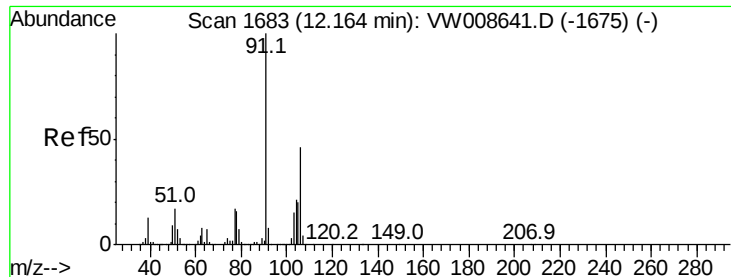
MMDadoda
2/14/2019 2:10:45 PM



#68
m/p-Xylenes
Concen: 39.224 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.8	161.0	241.4





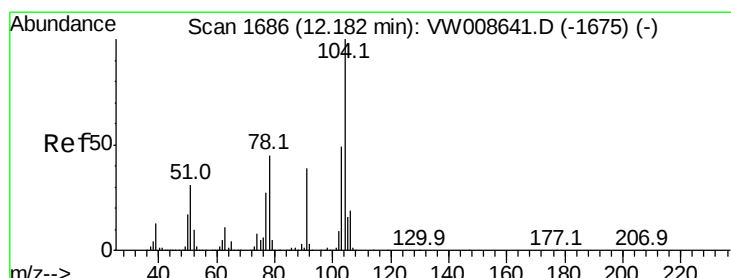
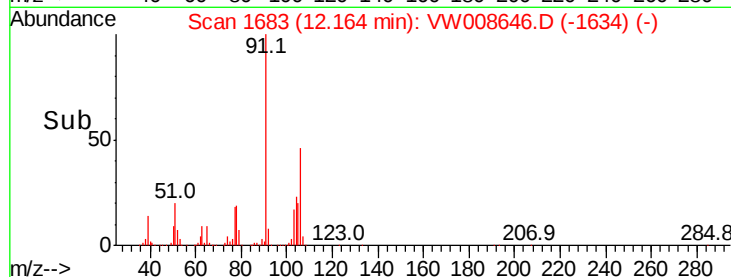
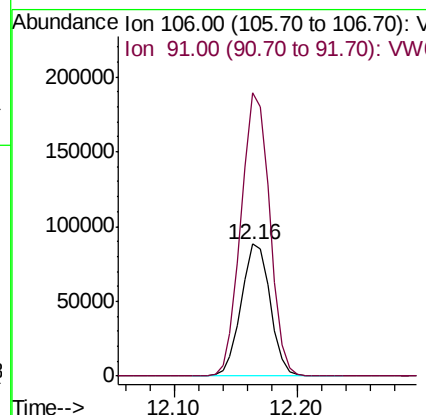
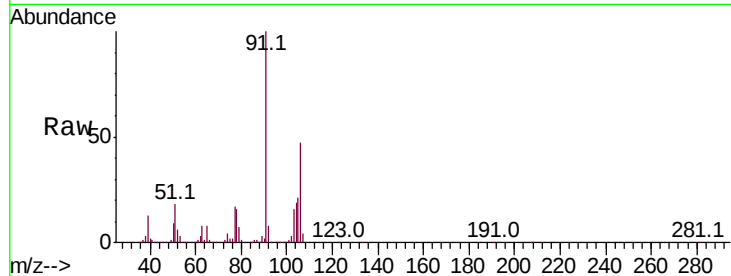
#69
o-Xylene
Concen: 19.527 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.4	106.7	320.1

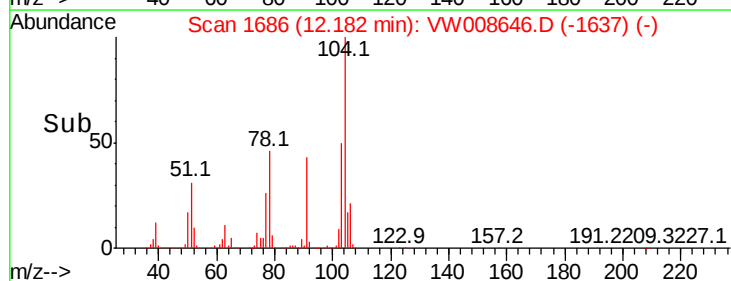
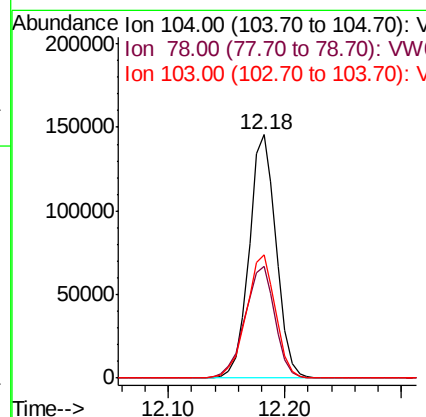
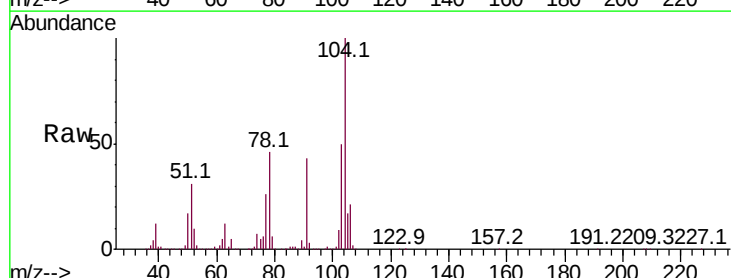
Manual Integrations
APPROVED

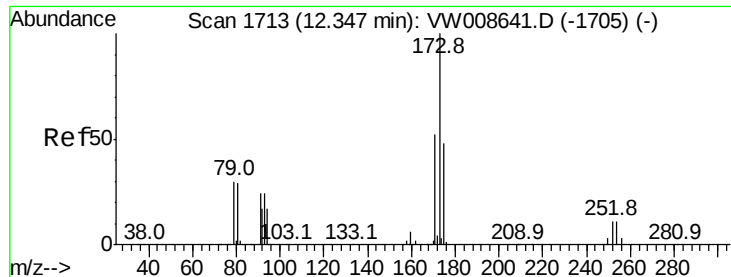
MMDadoda
2/14/2019 2:10:45 PM



#70
Styrene
Concen: 19.269 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	41.5	62.3
103	55.0	43.5	65.3





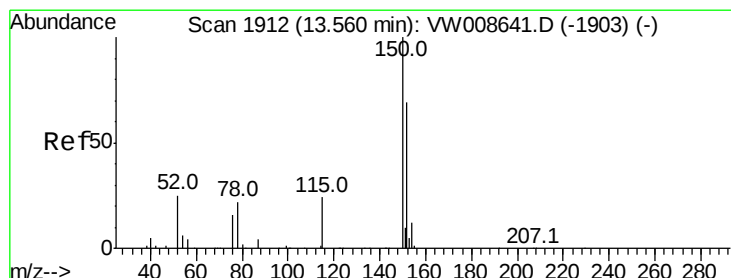
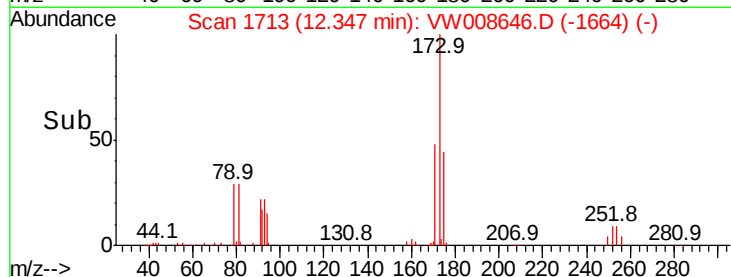
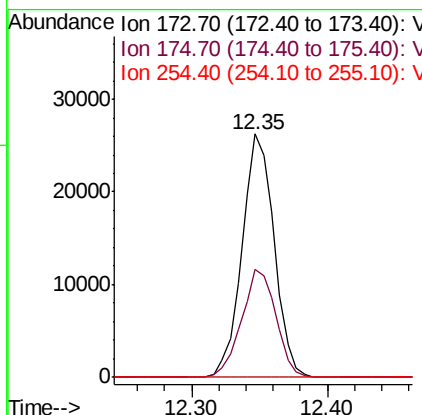
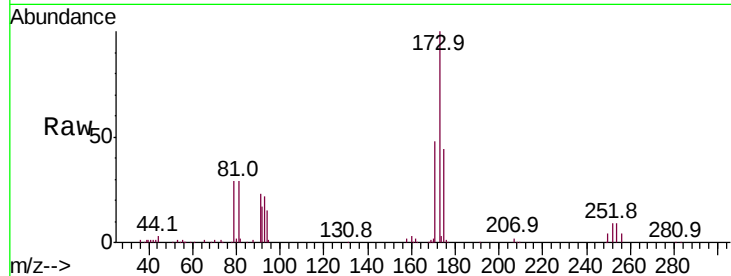
#71
Bromoform
Concen: 19.988 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.9	74.7
254	0.1	0.1	0.1#

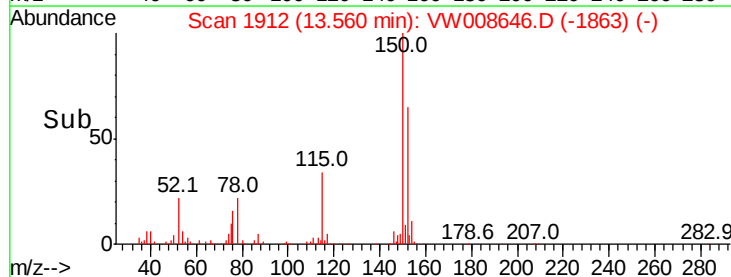
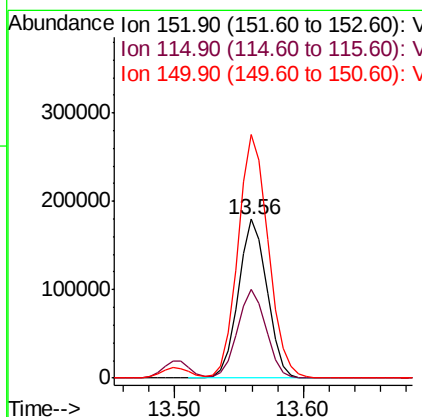
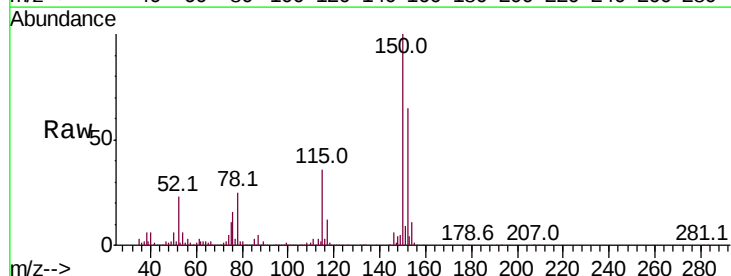
Manual Integrations
APPROVED

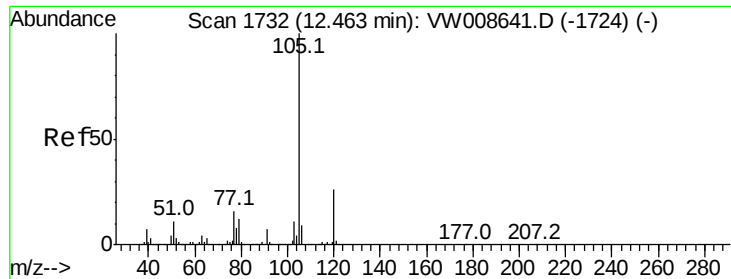
MMDadoda
2/14/2019 2:10:45 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	29.3	87.8
150	162.2	0.0	352.8





#73

Isopropylbenzene

Concen: 19.136 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 105 Resp: 393606

Ion Ratio Lower Upper

105 100

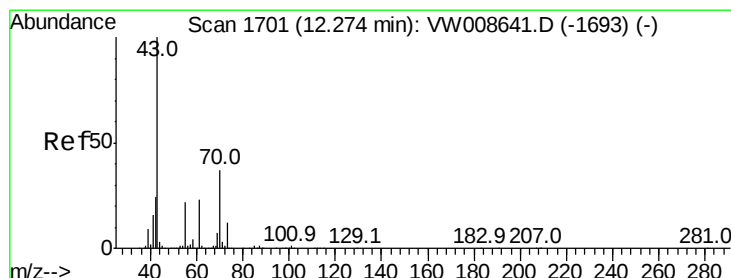
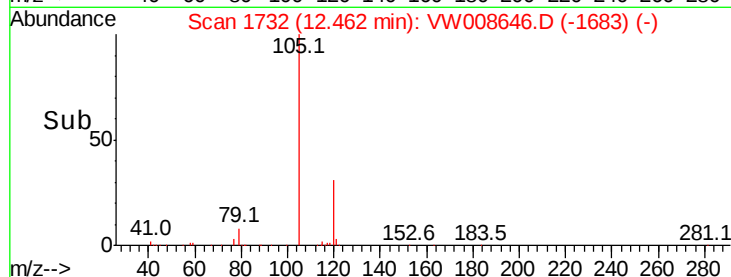
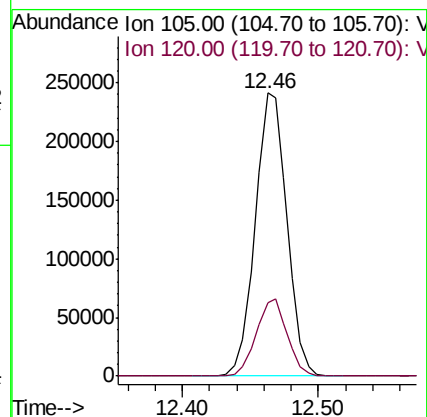
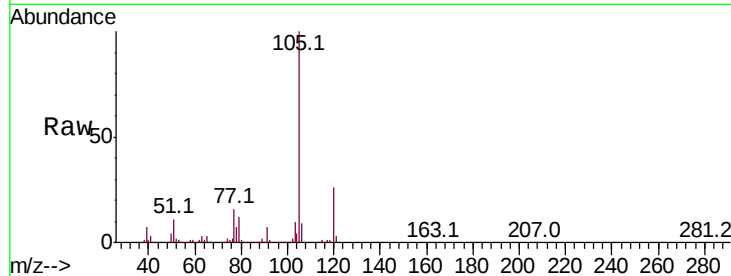
120 26.7 13.2 39.6

Manual Integrations

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MMDadoda

2/14/2019 2:10:45 PM



#74

N-ethyl acetate

Concen: 21.176 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion: 43 Resp: 117785

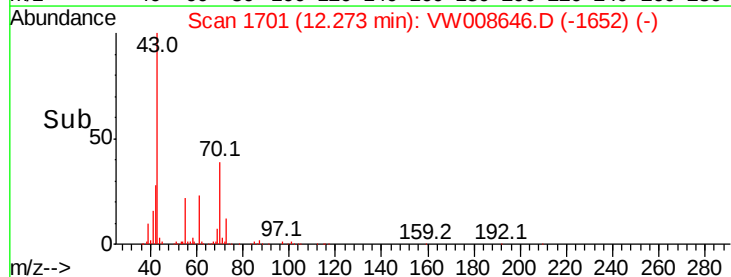
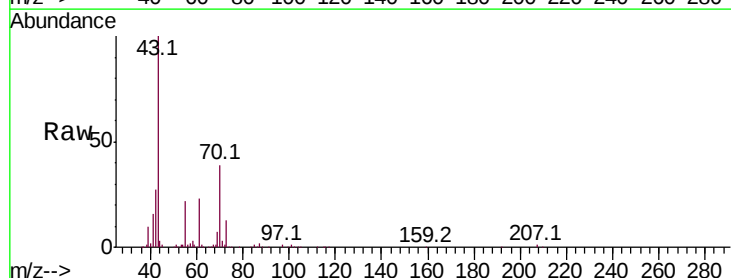
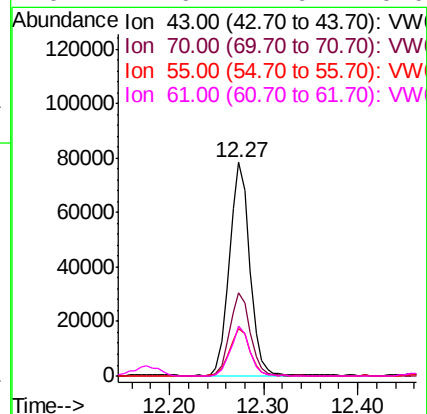
Ion Ratio Lower Upper

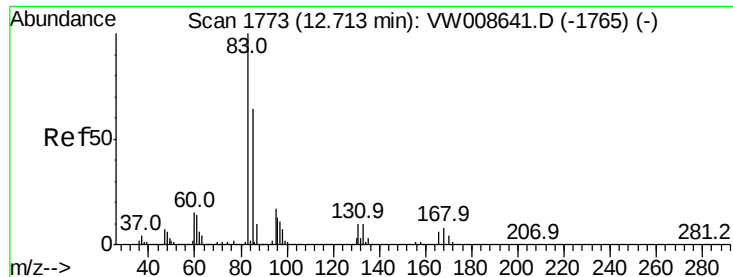
43 100

70 39.0 30.5 45.7

55 22.9 17.6 26.4

61 21.9 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.655 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

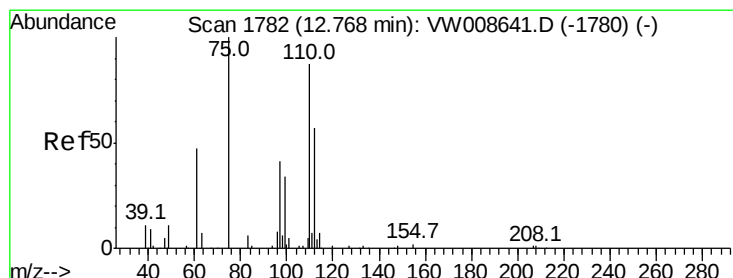
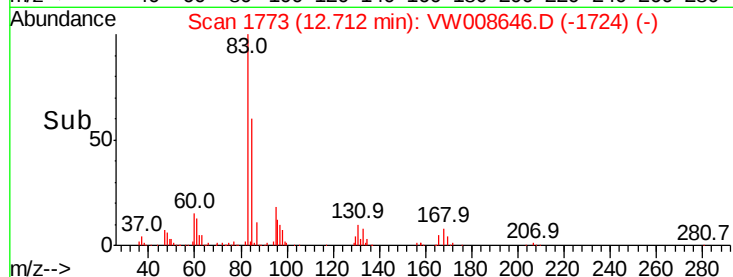
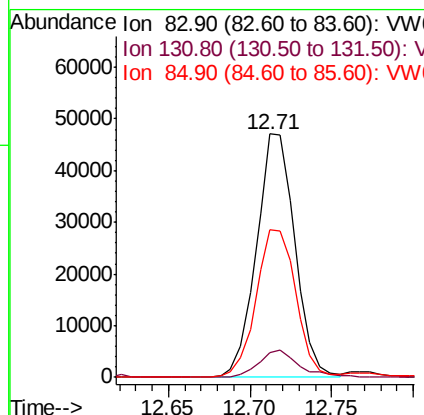
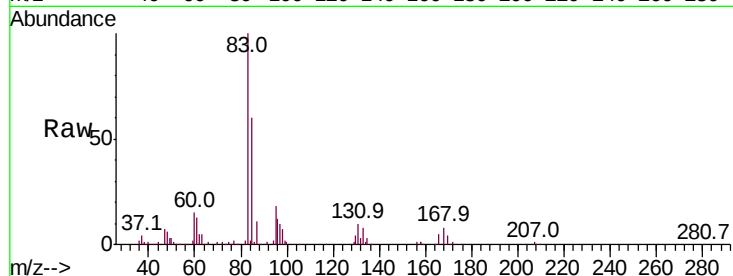
ClientSampleId :

VW0213SBS01

Tot Ion:	83	Resp:	77497
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	62.7	31.8	95.3

Manual Integrations
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2/14/2019 2:10:45 PM



#76

1,2,3-Trichloropropane

Concen: 21.055 ug/l m

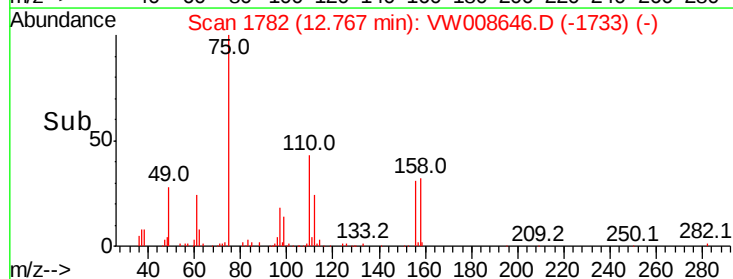
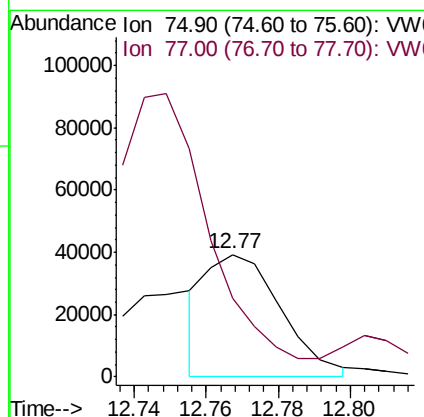
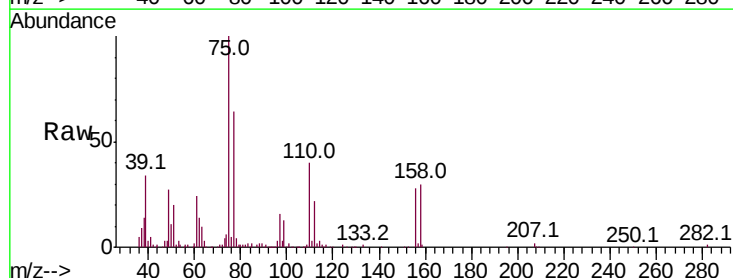
RT: 12.77 min Scan# 1782

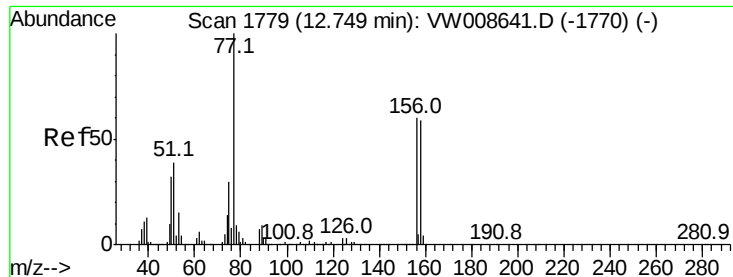
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	75	Resp:	57409
Ion Ratio	Lower	Upper	
75	100		
77	308.3	0.0	0.0#





#77

Bromobenzene

Concen: 20.580 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

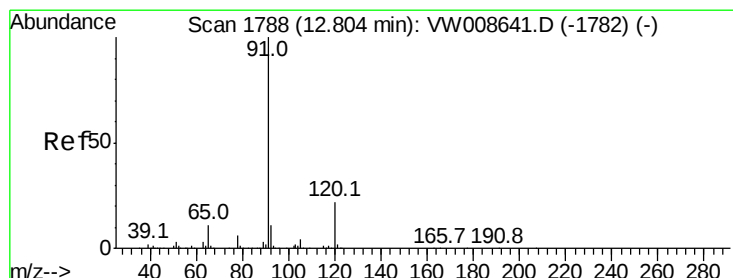
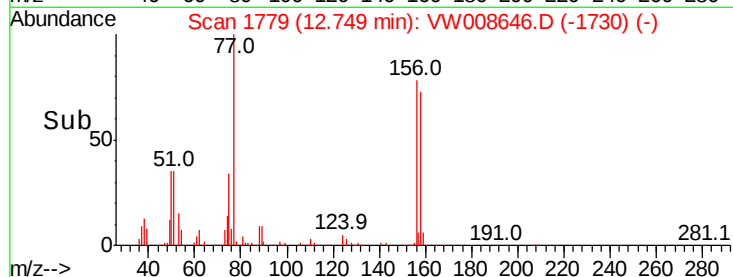
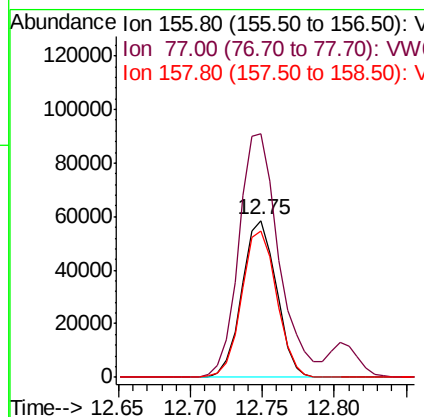
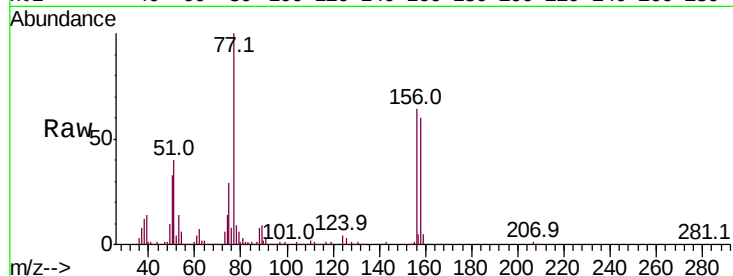
ClientSampleId :

VW0213SBS01

Tot Ion:	156	Resp:	97305
Ion Ratio	Lower	Upper	
156	100		
77	181.9	93.2	279.5
158	94.9	48.5	145.5

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#78

n-propylbenzene

Concen: 19.500 ug/l

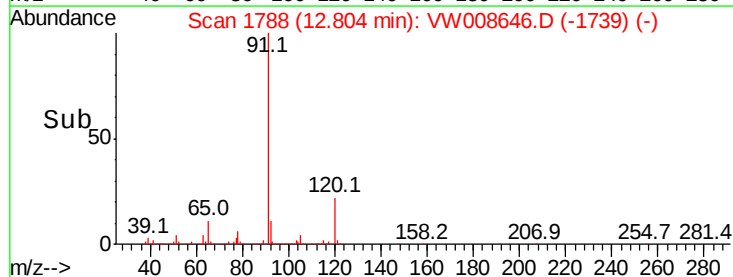
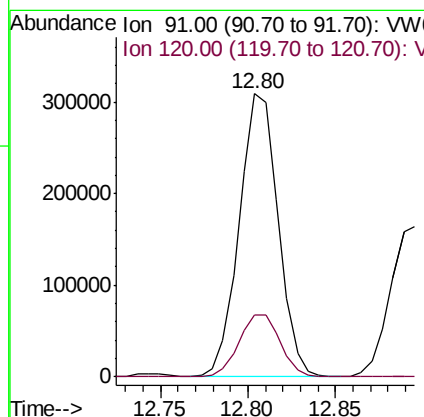
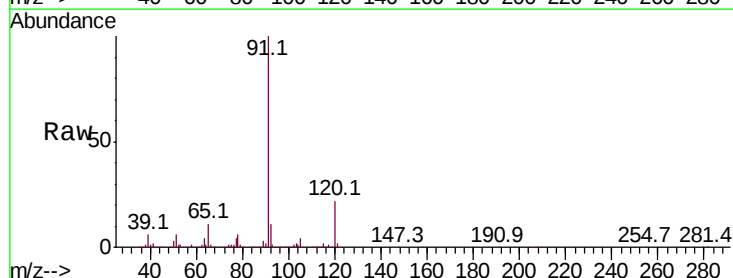
RT: 12.80 min Scan# 1788

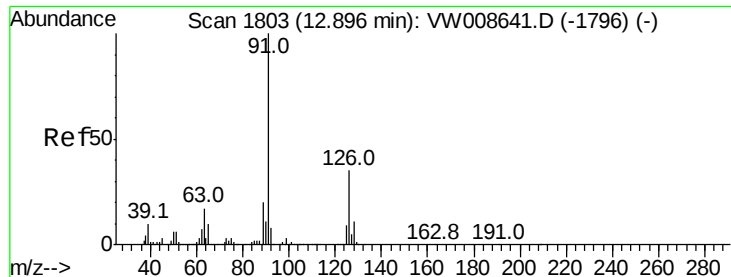
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	91	Resp:	476564
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.4	34.2





#79

2-Chlorotoluene

Concen: 19.518 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

ClientSampleId :

VW0213SBS01

Tot Ion: 91 Resp: 269583

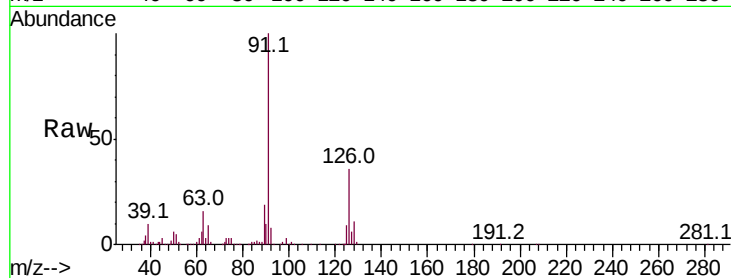
Ion Ratio Lower Upper

91 100

126 34.7 17.0 50.9

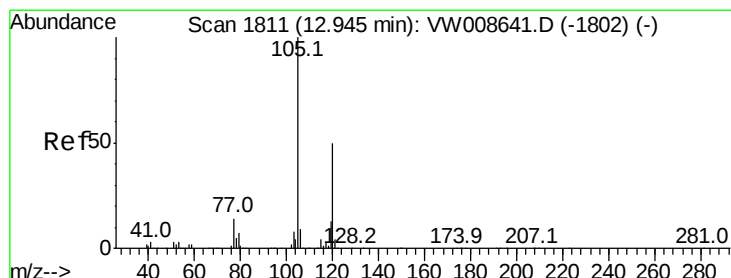
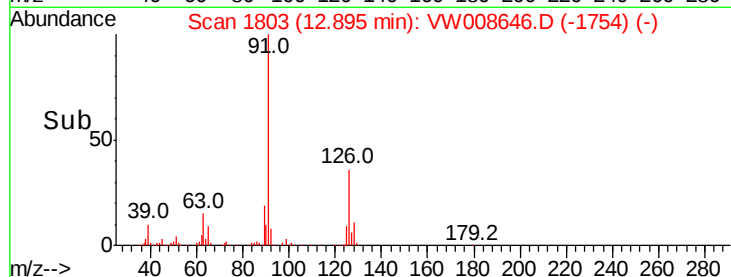
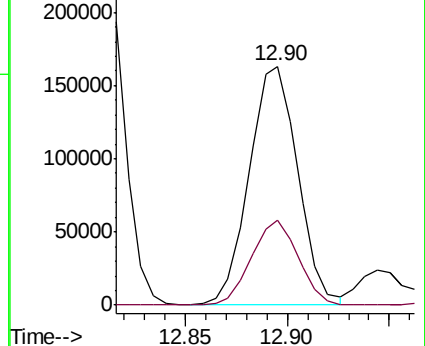
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.662 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008646.D

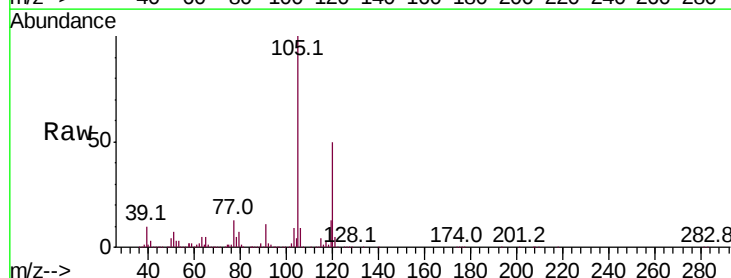
Acq: 13 Feb 2019 19:44

Tgt Ion:105 Resp: 335916

Ion Ratio Lower Upper

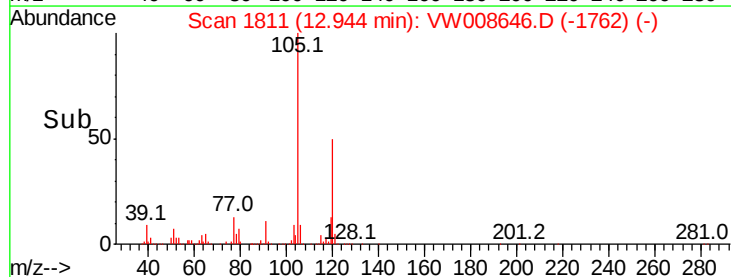
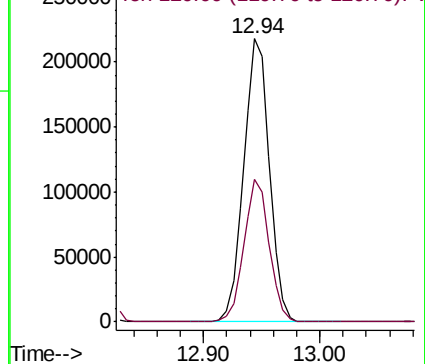
105 100

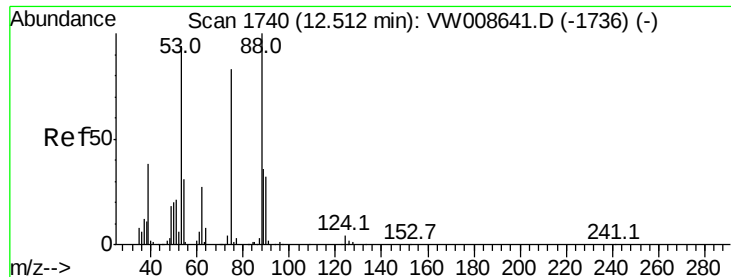
120 49.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.340 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW008646.D

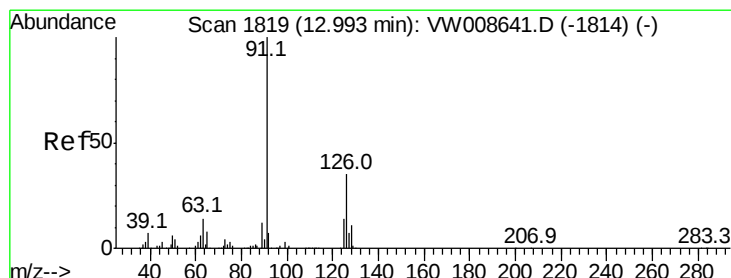
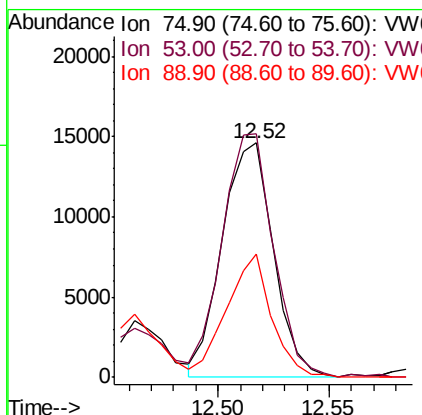
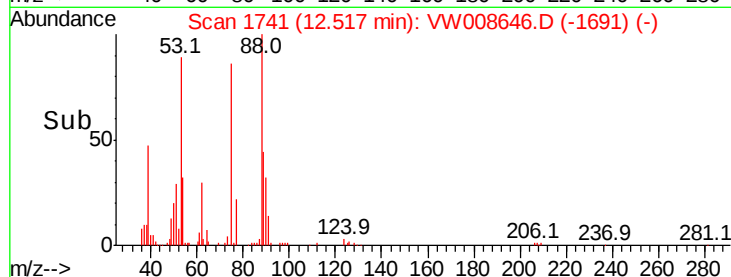
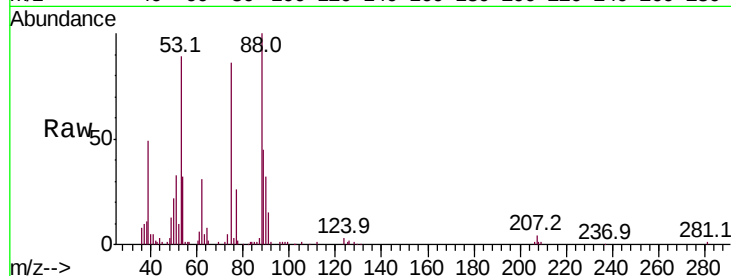
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.2	87.4	131.0
89	47.0	37.0	55.4

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#82

4-Chlorotoluene

Concen: 19.230 ug/l

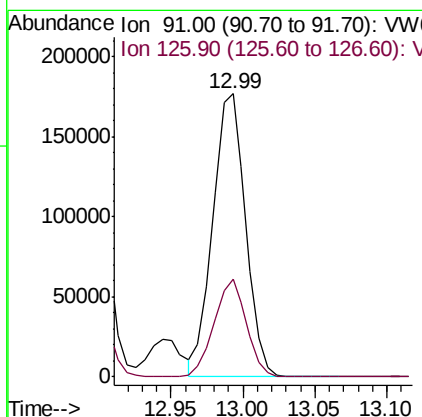
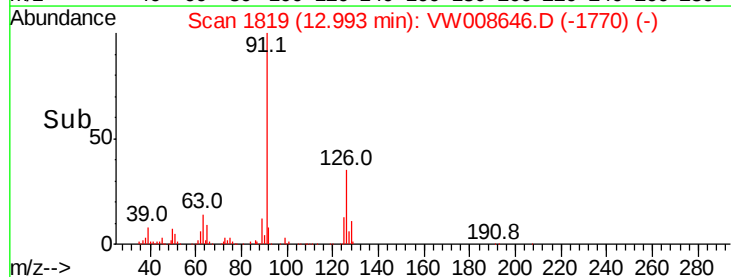
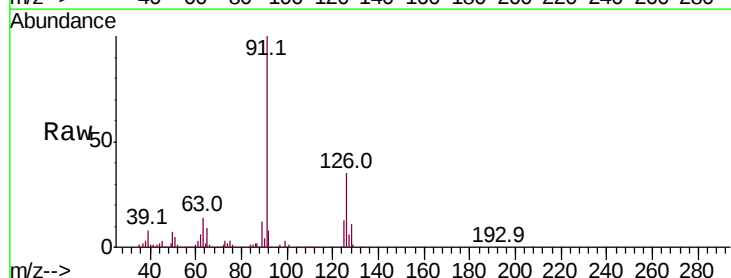
RT: 12.99 min Scan# 1819

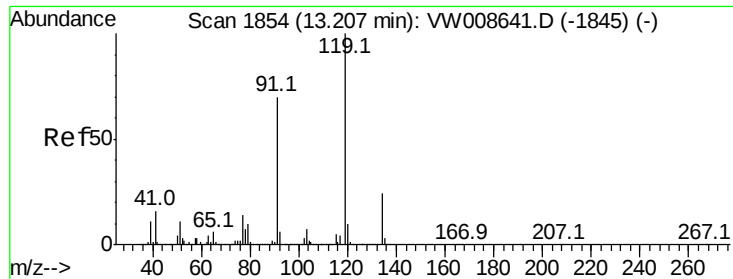
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





#83

tert-Butylbenzene

Concen: 20.361 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VW008646.D

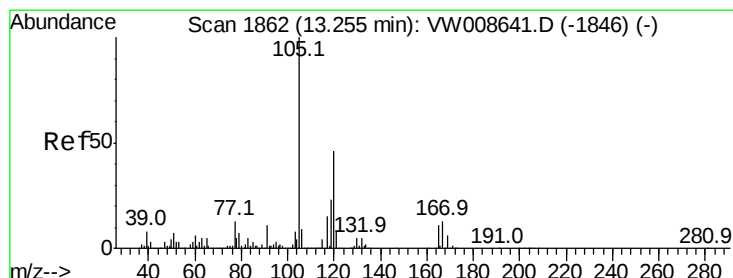
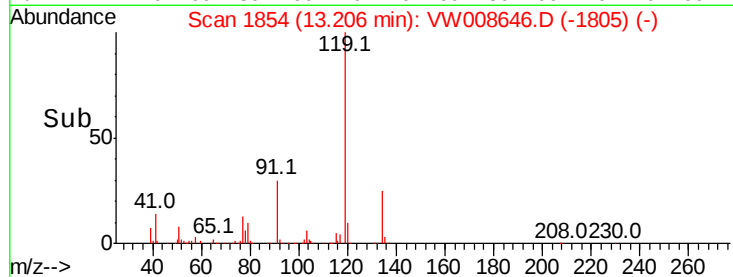
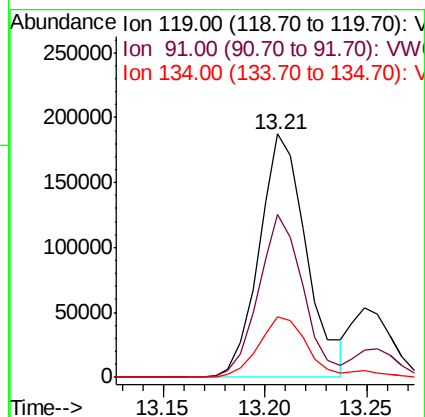
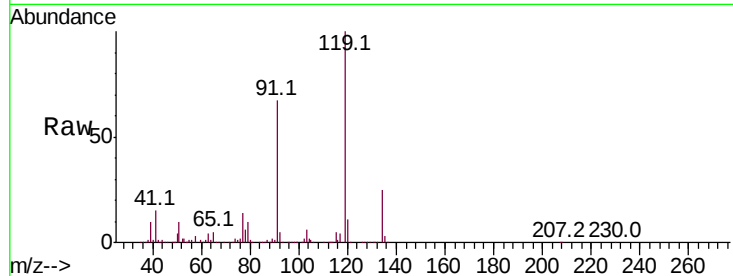
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	302052		
91	63.6		34.0	102.0
134	27.0		13.6	40.8

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#84

1,2,4-Trimethylbenzene

Concen: 19.389 ug/l

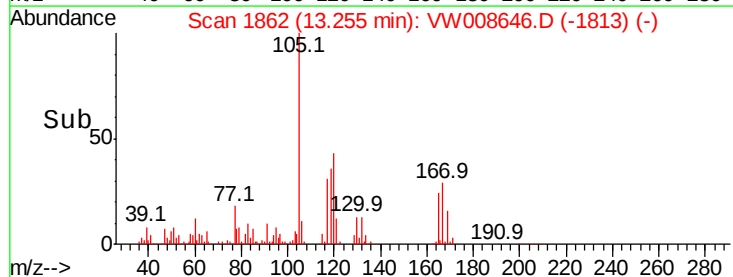
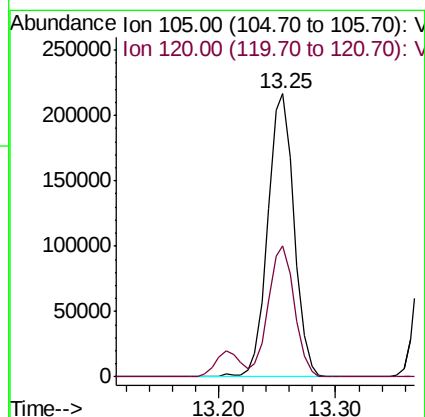
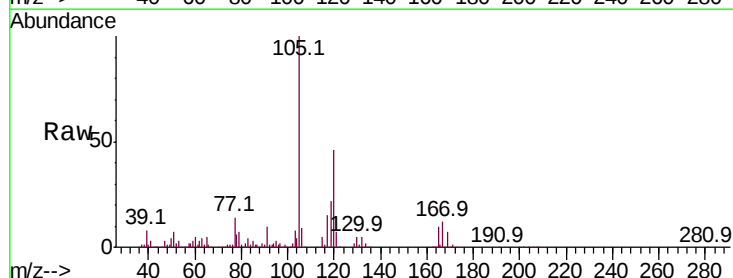
RT: 13.25 min Scan# 1862

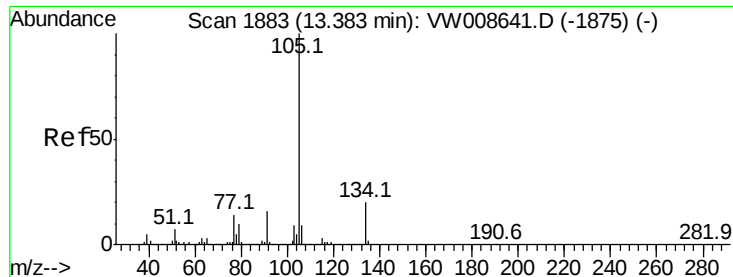
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	340452		
120	46.1		22.9	68.8





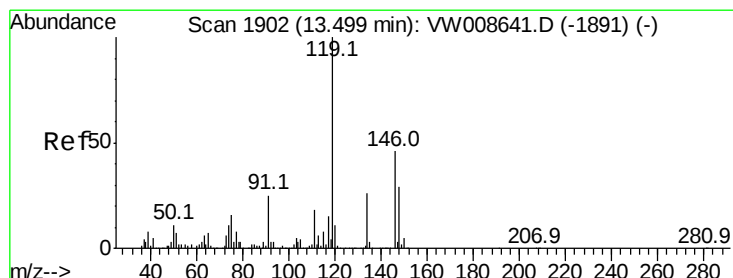
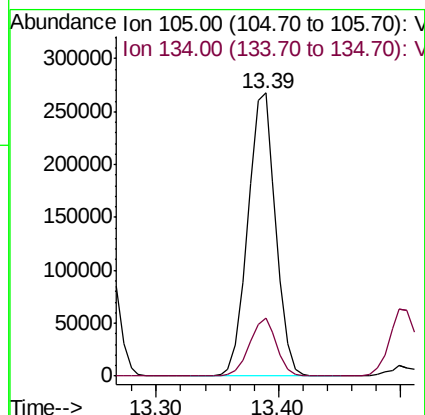
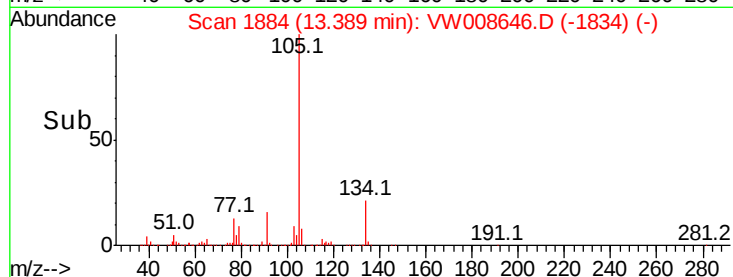
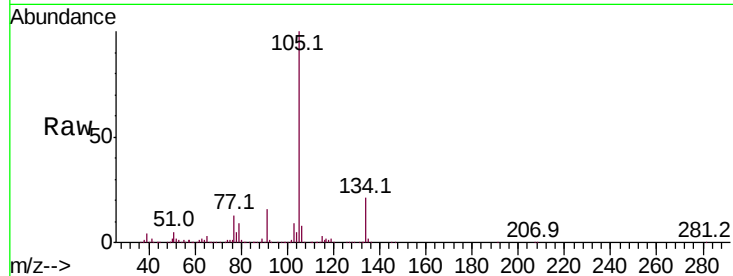
#85
 sec-Butylbenzene
 Concen: 19.496 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.3	30.8

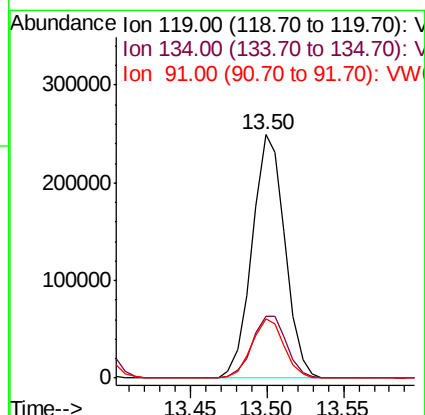
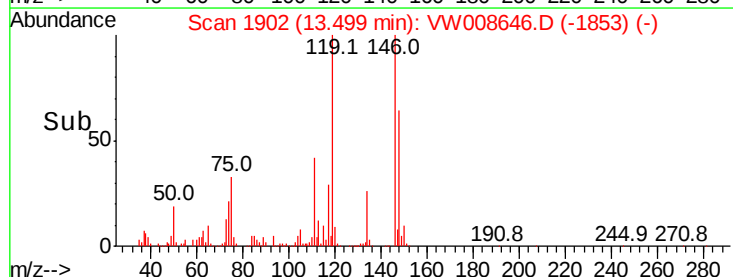
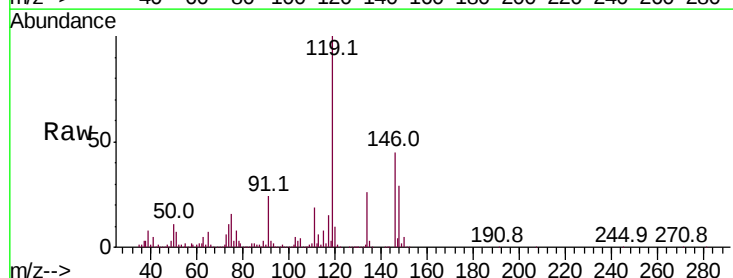
Manual Integrations
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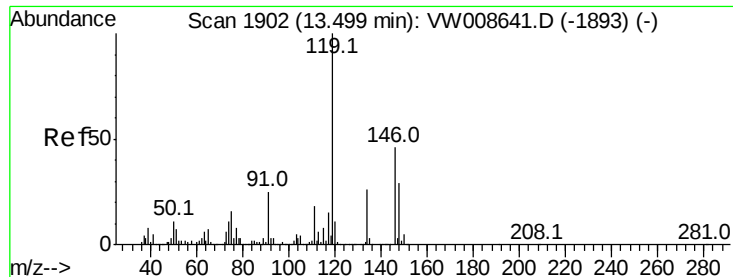
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#86
 p-Isopropyltoluene
 Concen: 19.268 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	39.0
91	24.1	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 19.517 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008646.D

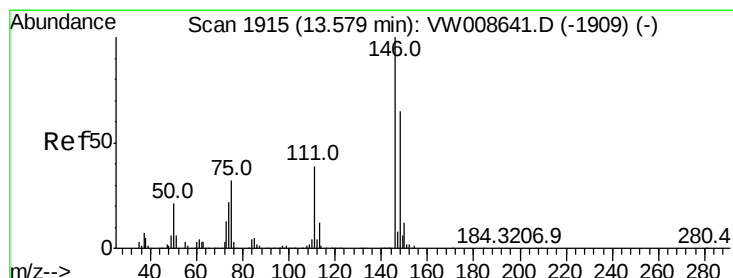
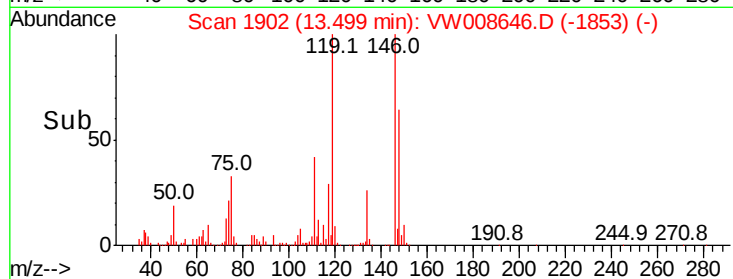
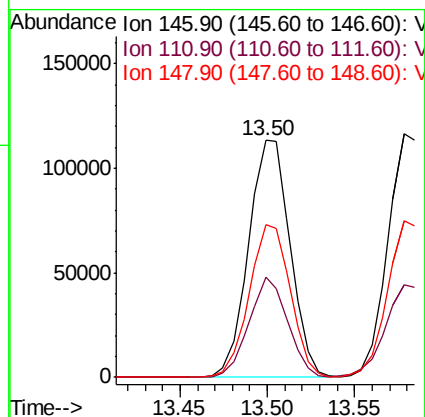
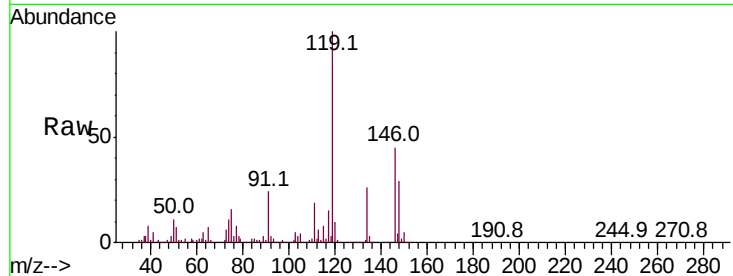
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.5	19.4	58.1
148	63.9	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.939 ug/l

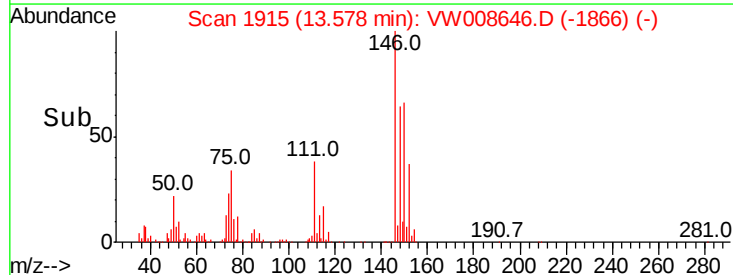
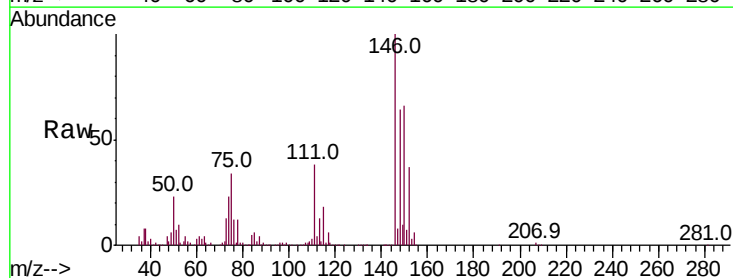
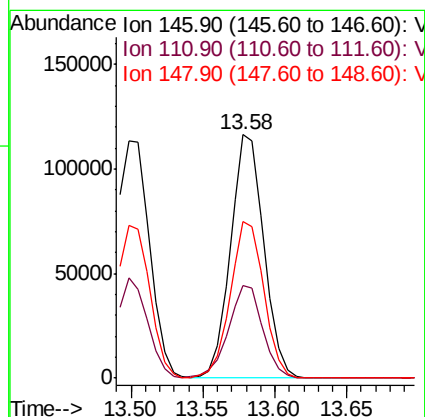
RT: 13.58 min Scan# 1915

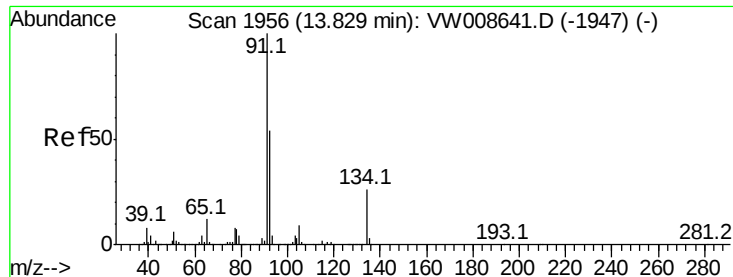
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
146	100		
111	39.2	19.4	58.1
148	64.7	31.8	95.4





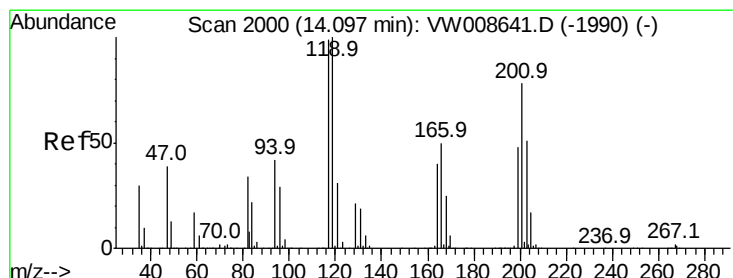
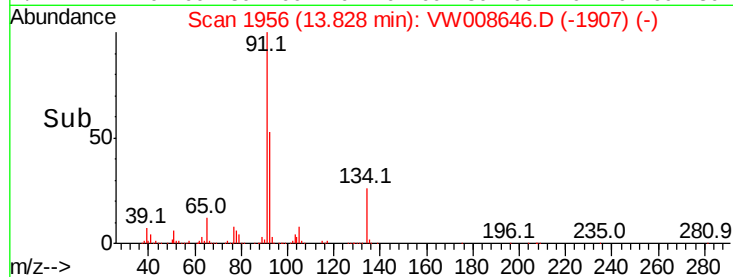
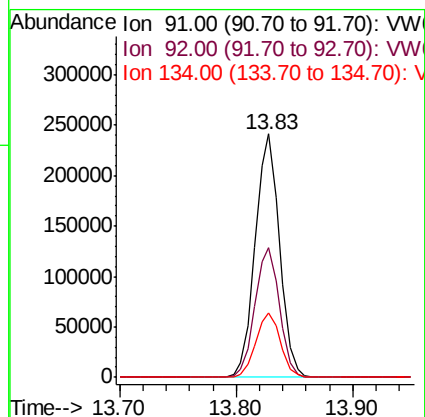
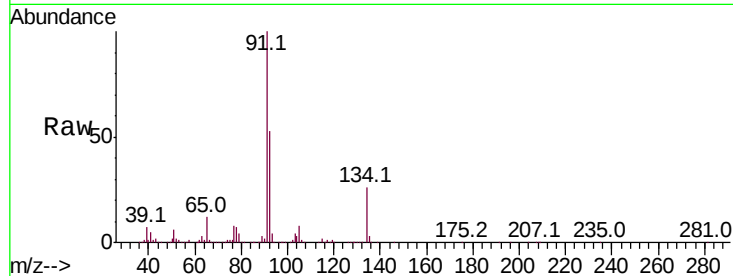
#89
n-Butylbenzene
Concen: 19.130 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	26.8	80.4	
134	26.7	13.0	39.0	

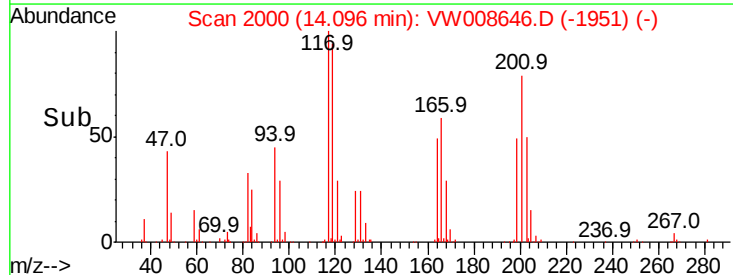
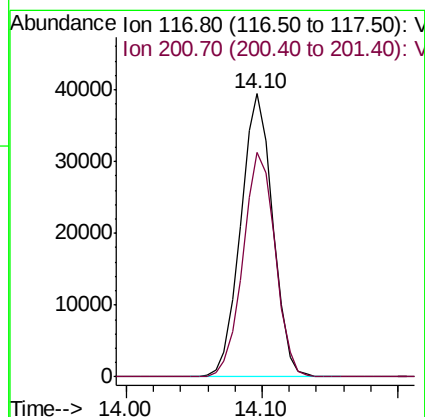
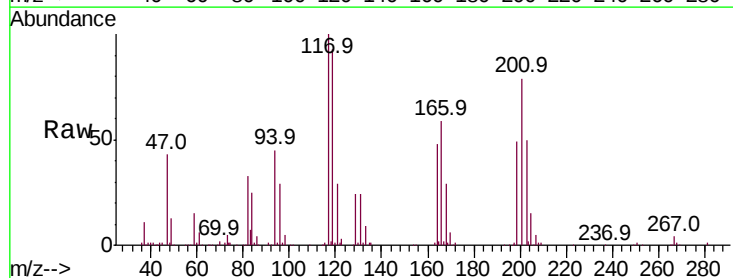
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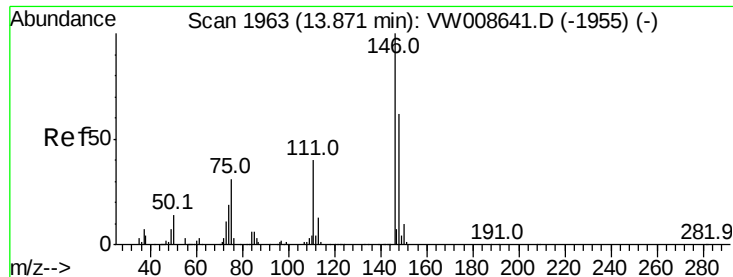
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#90
Hexachloroethane
Concen: 19.227 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.7	38.7	116.1	





#91

1,2-Dichlorobenzene

Concen: 20.375 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Instrument :

MSVOA_W

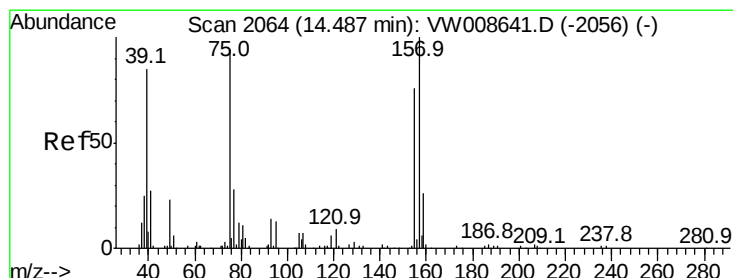
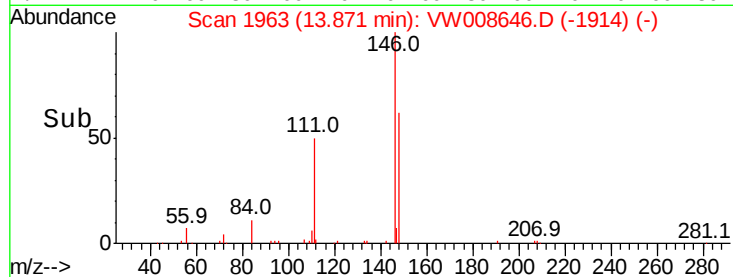
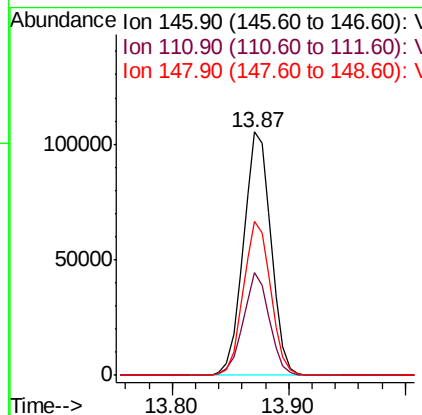
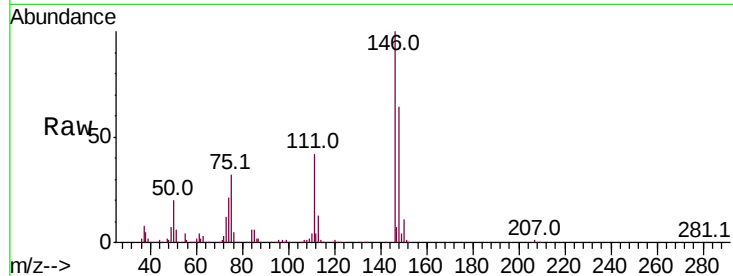
ClientSampleId :

VW0213SBS01

Tot Ion:	146	Resp:	173025
Ion Ratio	Lower	Upper	
146	100		
111	40.0	20.5	61.5
148	63.1	31.6	94.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.313 ug/l

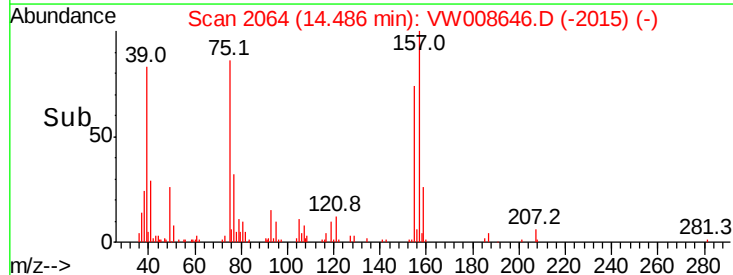
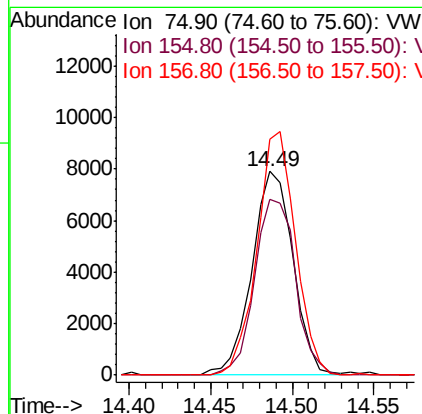
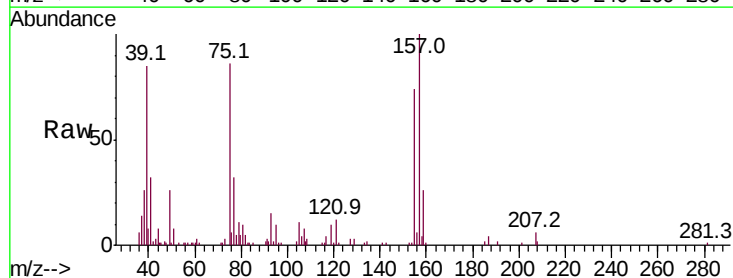
RT: 14.49 min Scan# 2064

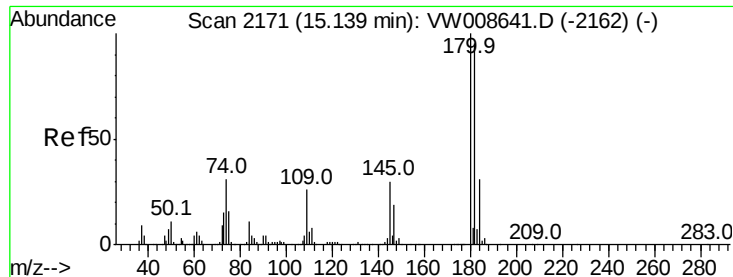
Delta R.T. -0.00 min

Lab File: VW008646.D

Acq: 13 Feb 2019 19:44

Tgt Ion:	75	Resp:	13876
Ion Ratio	Lower	Upper	
75	100		
155	85.6	41.8	125.4
157	111.4	53.8	161.4





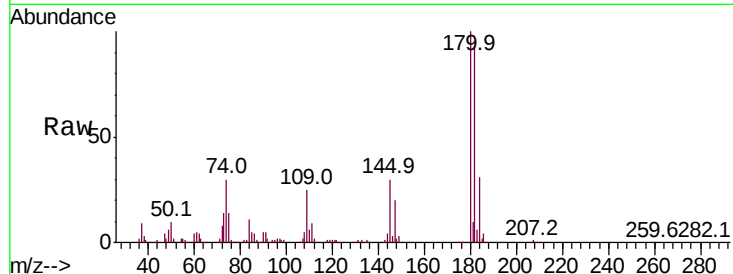
#93
 1,2,4-Trichlorobenzene
 Concen: 20.873 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0213SBS01

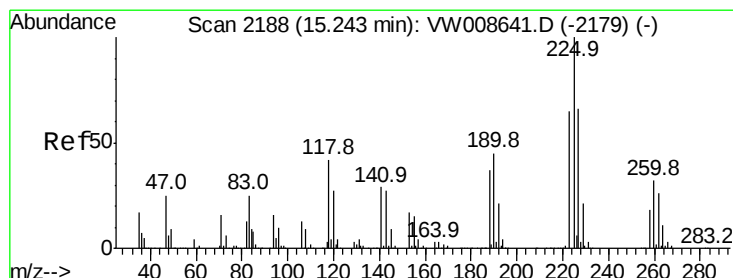
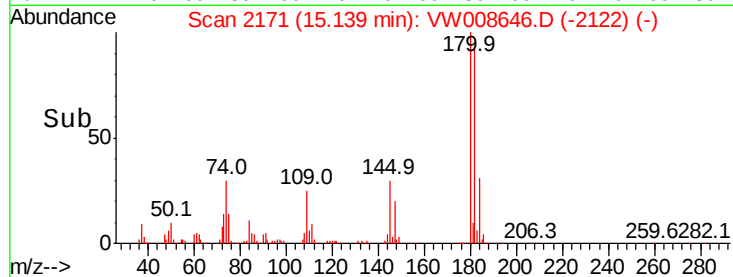
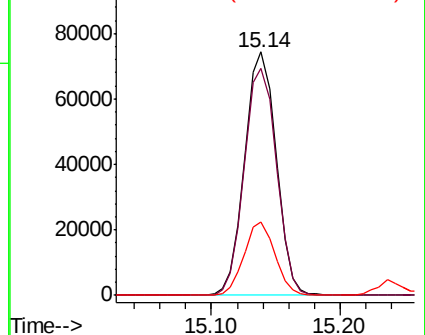
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.5	142.5	
145	29.4	15.1	45.3	

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 2:10:45 PM

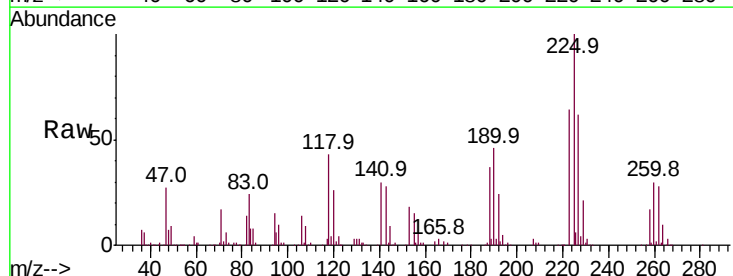


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

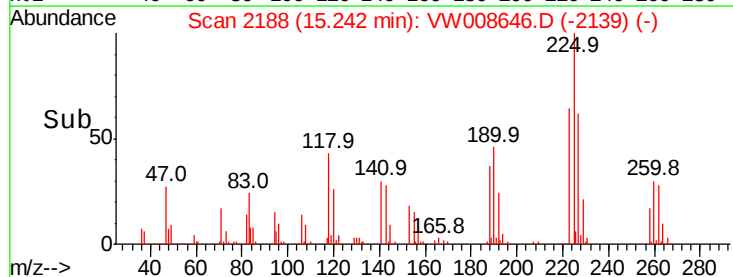
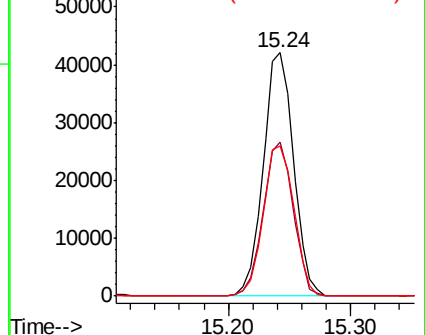


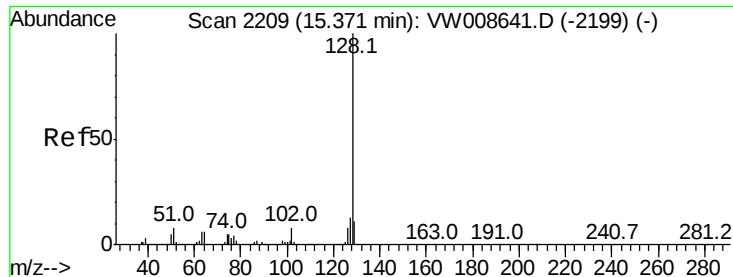
#94
 Hexachlorobutadiene
 Concen: 20.680 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008646.D
 Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.4	94.3	
227	62.7	32.4	97.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





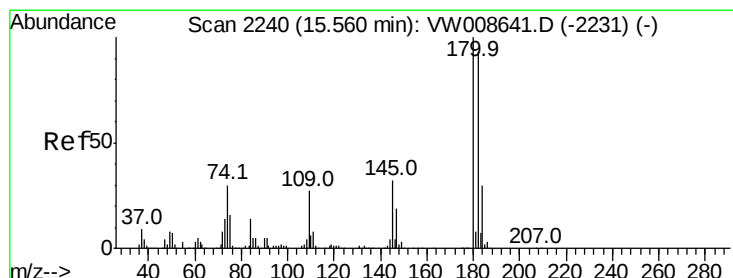
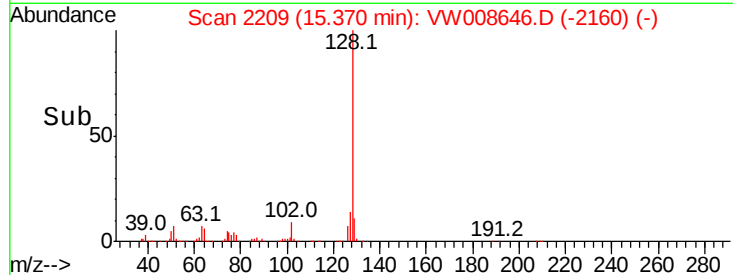
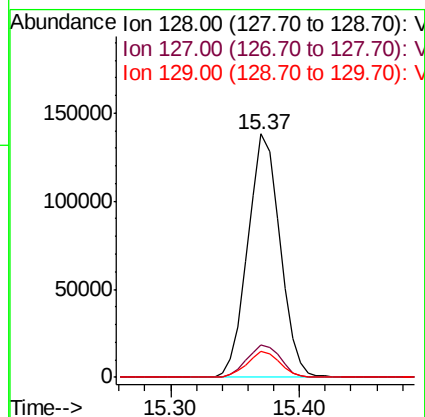
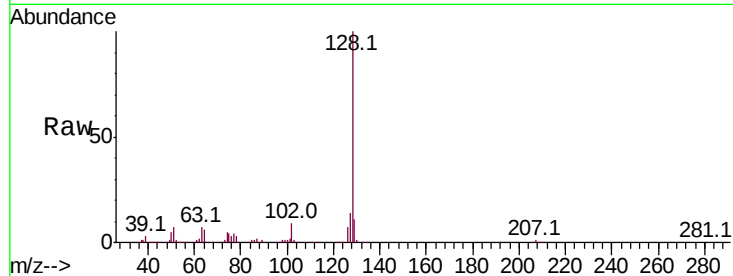
#95
Naphthalene
Concen: 22.023 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Instrument :
MSVOA_W
ClientSampleId :
VW0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	238569		
127	13.9		10.9	16.3
129	10.9		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.454 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008646.D
Acq: 13 Feb 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	111287		
182	92.8		47.5	142.5
145	30.7		15.9	47.7

