

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021419\
 Data File : VW008661.D
 Acq On : 14 Feb 2019 13:00
 Operator : SY/VA
 Sample : VW0214SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:10:49 AM

Quant Time: Feb 15 03:03:42 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	7.95	168	401185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	583256	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	519304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	270400	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	203593	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	195876	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
50) Toluene-d8	10.32	98	758265	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.62	95	269298	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	53511	20.825	ug/l	99
3) Chloromethane	2.21	50	69847	18.856	ug/l	100
4) Vinyl Chloride	2.36	62	94156	19.351	ug/l	99
5) Bromomethane	2.78	94	77522	20.134	ug/l	98
6) Chloroethane	2.92	64	70226	19.396	ug/l	95
7) Trichlorofluoromethane	3.25	101	69881	18.440	ug/l	97
8) Diethyl Ether	3.67	74	42682	18.873	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	87927	21.955	ug/l	99
10) Methyl Iodide	4.26	142	130287	20.843	ug/l	98
11) Tert butyl alcohol	5.17	59	24396	73.106	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	79503	20.299	ug/l	97
13) Acrolein	3.88	56	31393	91.307	ug/l	96
14) Allyl chloride	4.65	41	132458	20.356	ug/l	98
15) Acrylonitrile	5.35	53	82643	86.820	ug/l	98
16) Acetone	4.12	43	79818	84.098	ug/l	98
17) Carbon Disulfide	4.37	76	247164	20.911	ug/l	98
18) Methyl Acetate	4.67	43	33713	15.545	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	125481	18.250	ug/l	97
20) Methylene Chloride	4.90	84	91247	17.054	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	87628	20.430	ug/l	95
22) Diisopropyl ether	6.31	45	252169	19.254	ug/l	98
23) Vinyl Acetate	6.25	43	757867	89.160	ug/l	100
24) 1,1-Dichloroethane	6.20	63	152720	20.208	ug/l	97
25) 2-Butanone	7.17	43	108594	81.029	ug/l	97
26) 2,2-Dichloropropane	7.16	77	102508	21.712	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	91104	19.643	ug/l	99
28) Bromochloromethane	7.51	49	58924	18.470	ug/l	98
29) Tetrahydrofuran	7.52	42	71236	80.644	ug/l	100
30) Chloroform	7.67	83	151112	19.955	ug/l	98
31) Cyclohexane	7.95	56	155048	20.326	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	133360	20.853	ug/l	99
36) 1,1-Dichloropropene	8.07	75	129181	22.045	ug/l	99
37) Ethyl Acetate	7.24	43	49137	17.383	ug/l	98
38) Carbon Tetrachloride	8.06	117	128970	22.134	ug/l	99

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Instrument :
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 ClientSampleId :
 VW0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 12:10:49 AM

Quant Time: Feb 15 03:03:42 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)
39) Methylcyclohexane	9.33	83	163166	22.015	ug/l	97
40) Benzene	8.32	78	339865	21.237	ug/l	97
41) Methacrylonitrile	7.48	41	30564	19.218	ug/l	95
42) 1,2-Dichloroethane	8.40	62	100135	20.172	ug/l	99
43) Isopropyl Acetate	8.42	43	100007	17.743	ug/l	96
44) Trichloroethene	9.09	130	97559	21.986	ug/l	98
45) 1,2-Dichloropropane	9.37	63	81624	20.609	ug/l	94
46) Dibromomethane	9.46	93	43746	20.051	ug/l	99
47) Bromodichloromethane	9.64	83	107566	20.514	ug/l	98
48) Methyl methacrylate	9.43	41	44108	16.886	ug/l	95
49) 1,4-Dioxane	9.45	88	11661	334.834	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	245097	84.651	ug/l	99
52) Toluene	10.38	92	215621	20.885	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	106541	19.341	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	124908	20.003	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	57978	19.367	ug/l	97
56) Ethyl methacrylate	10.65	69	71148	17.898	ug/l	97
57) 1,3-Dichloropropane	10.93	76	103369	19.461	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	195470	102.506	ug/l	100
59) 2-Hexanone	10.97	43	172918	85.014	ug/l	100
60) Dibromochloromethane	11.13	129	69410	19.378	ug/l	99
61) 1,2-Dibromoethane	11.23	107	56527	19.178	ug/l	100
64) Tetrachloroethene	10.86	164	82412	21.341	ug/l	97
65) Chlorobenzene	11.66	112	237649	21.232	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	79904	20.152	ug/l	97
67) Ethyl Benzene	11.73	91	420999	21.115	ug/l	99
68) m/p-Xylenes	11.84	106	326353	42.068	ug/l	100
69) o-Xylene	12.16	106	153014	20.867	ug/l	99
70) Styrene	12.18	104	244196	20.388	ug/l	98
71) Bromoform	12.35	173	39253	18.373	ug/l #	95
73) Isopropylbenzene	12.46	105	427016	21.201	ug/l	99
74) N-amyl acetate	12.27	43	94053	17.268	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	66406	18.950	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	45963m	17.214	ug/l	
77) Bromobenzene	12.75	156	96738	20.894	ug/l	96
78) n-propylbenzene	12.80	91	512044	21.396	ug/l	99
79) 2-Chlorotoluene	12.90	91	286687	21.196	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	357524	21.370	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	19104	17.500	ug/l	98
82) 4-Chlorotoluene	12.99	91	297646	20.765	ug/l	99
83) tert-Butylbenzene	13.21	119	314218	21.630	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	363588	21.145	ug/l	99
85) sec-Butylbenzene	13.38	105	454402	21.483	ug/l	100
86) p-Isopropyltoluene	13.50	119	401532	21.220	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	197667	21.060	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	192248	20.783	ug/l	98
89) n-Butylbenzene	13.83	91	386401	21.488	ug/l	99
90) Hexachloroethane	14.10	117	68623	20.757	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	170283	20.478	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10976	18.024	ug/l	96

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Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Manual Integrations
APPROVED

MMDadoda
2/18/2019 12:10:49 AM

Quant Time: Feb 15 03:03:42 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.14	180	122665	20.722	ug/l	99
94) Hexachlorobutadiene	15.24	225	79868	23.179	ug/l	99
95) Naphthalene	15.37	128	199459	18.803	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	104548	20.582	ug/l	100

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

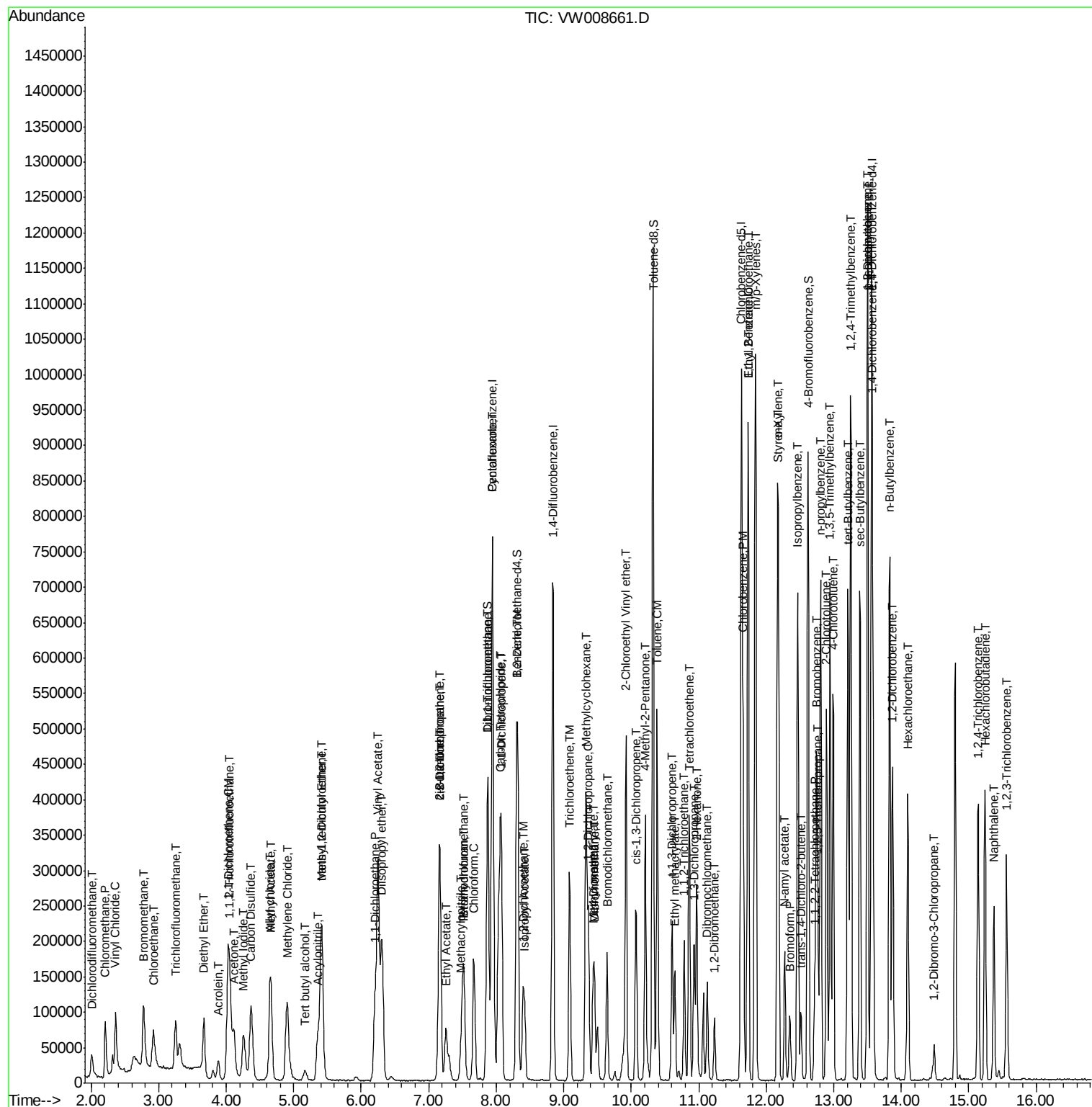
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW021419\
Data File : VW008661.D
Acq On : 14 Feb 2019 13:00
Operator : SY/VA
Sample : VW0214SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

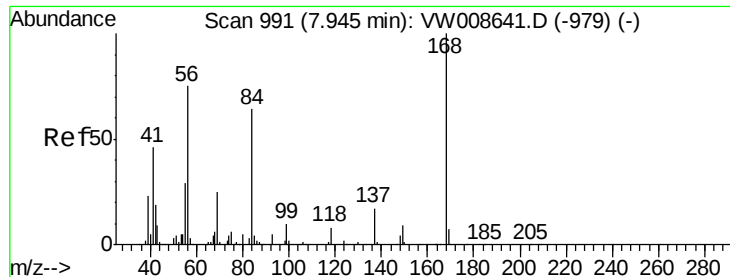
Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Manual Integrations
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MMDadoda
2/18/2019 12:10:49 AM

Quant Time: Feb 15 03:03:42 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
Quant Title : SW846 8260
QLast Update : Thu Feb 14 04:06:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion:168 Resp: 401185

Ion Ratio Lower Upper

168 100

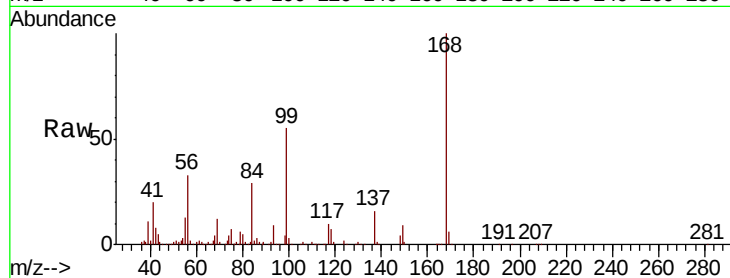
99 54.5 42.8 64.2

Manual Integrations

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2/18/2019 12:10:49 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

50000

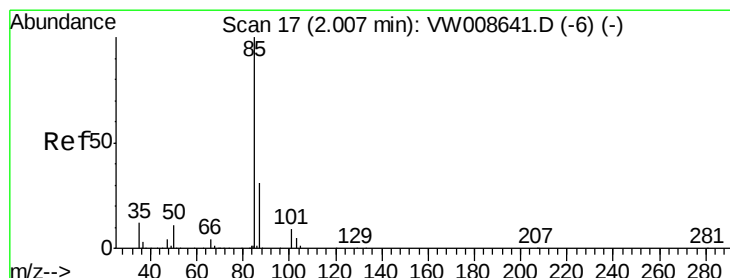
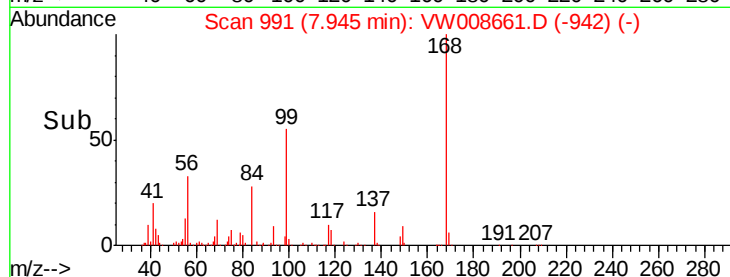
0

7.80

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 20.825 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW008661.D

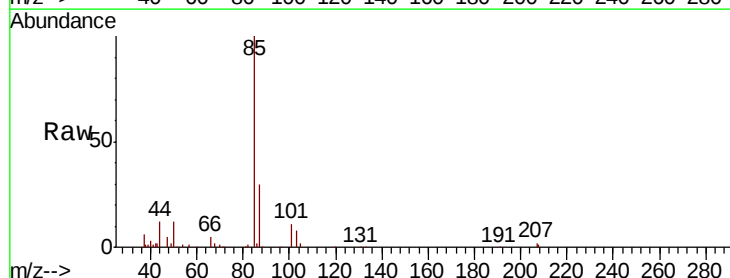
Acq: 14 Feb 2019 13:00

Tgt Ion: 85 Resp: 53511

Ion Ratio Lower Upper

85 100

87 30.3 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

20000

15000

10000

5000

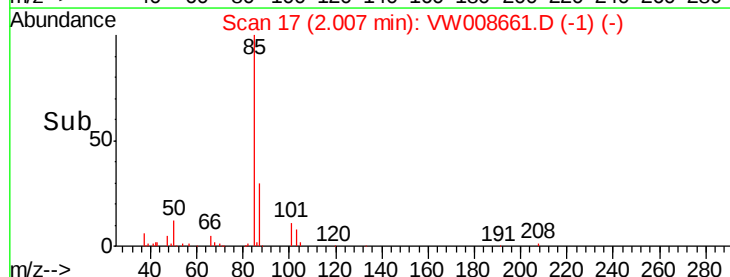
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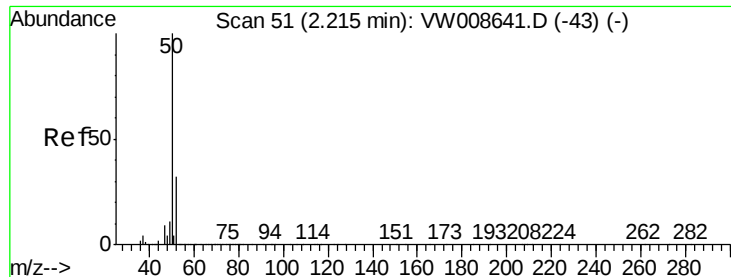
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 18.856 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 50 Resp: 69847

Ion Ratio Lower Upper

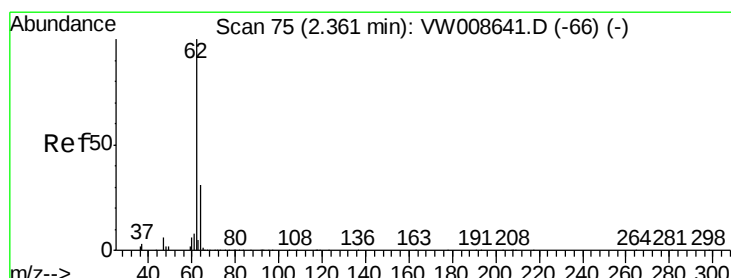
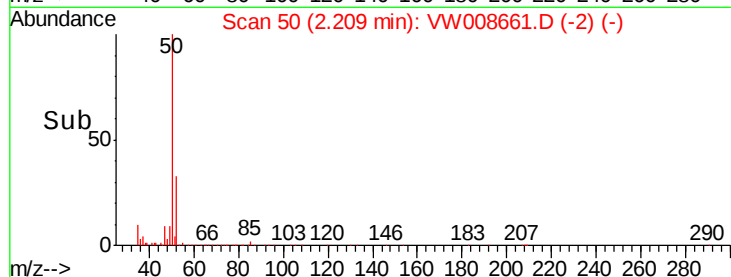
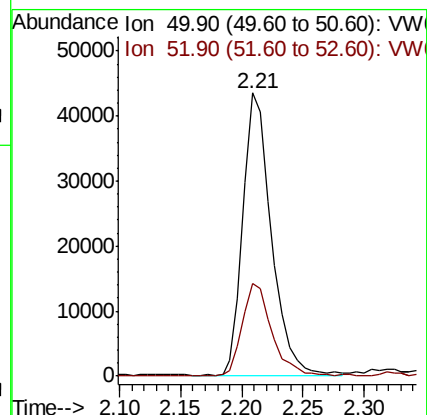
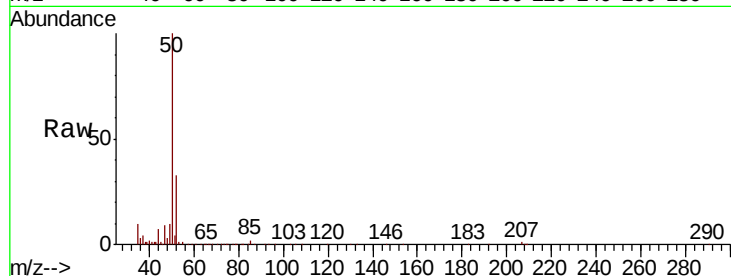
50 100

52 32.6 26.0 39.0

Manual Integrations
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2/18/2019 12:10:49 AM



#4

Vinyl Chloride

Concen: 19.351 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW008661.D

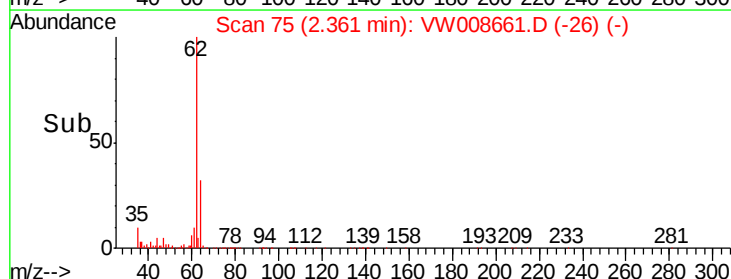
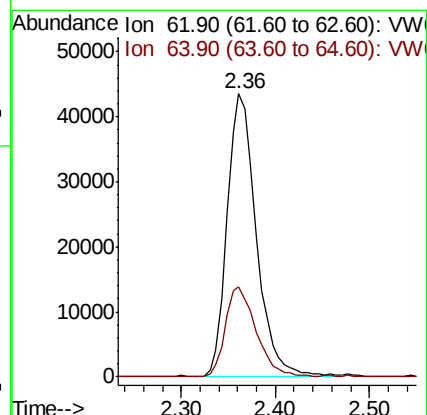
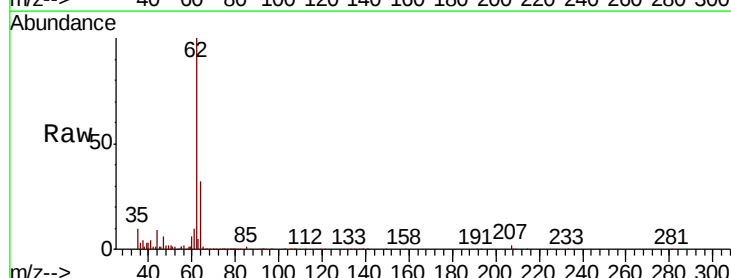
Acq: 14 Feb 2019 13:00

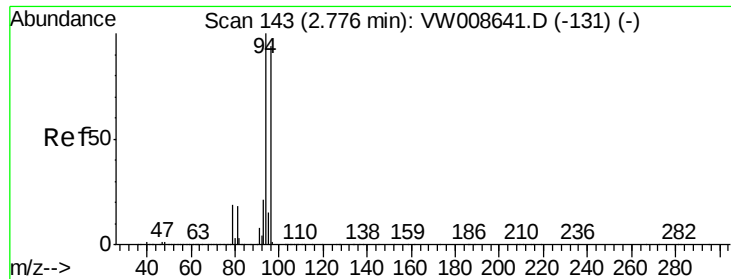
Tgt Ion: 62 Resp: 94156

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7





#5

Bromomethane

Concen: 20.134 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 94 Resp: 77522

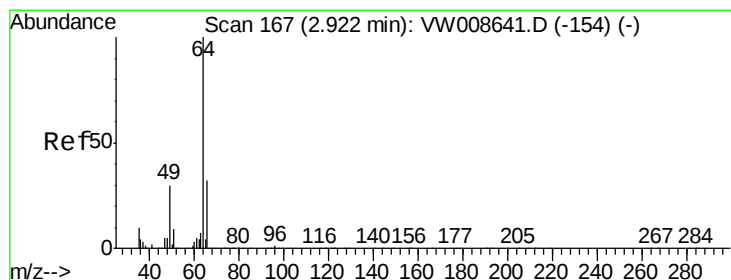
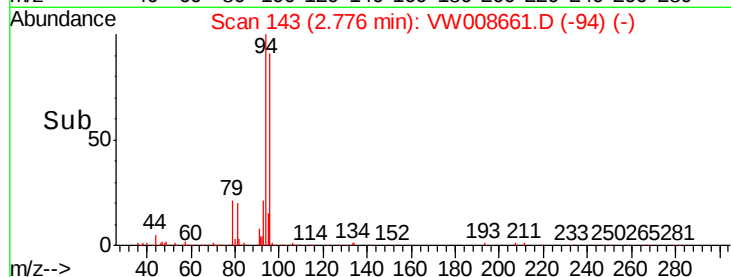
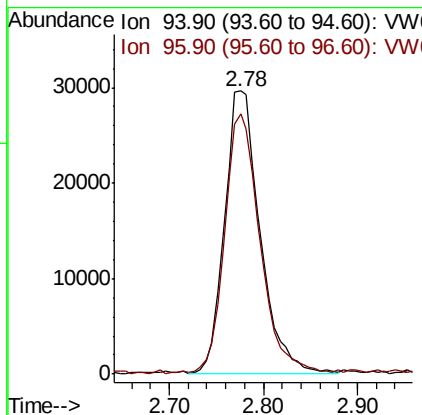
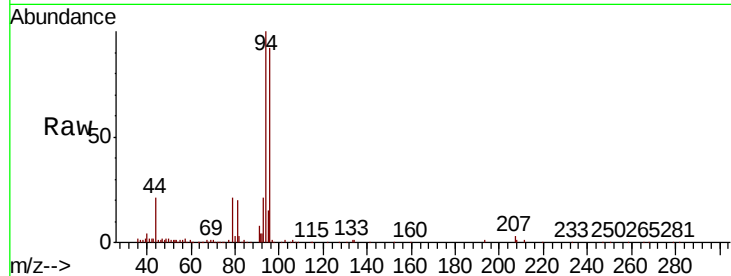
Ion Ratio Lower Upper

94 100

96 92.0 75.5 113.3

Manual Integrations
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2/18/2019 12:10:49 AM



#6

Chloroethane

Concen: 19.396 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008661.D

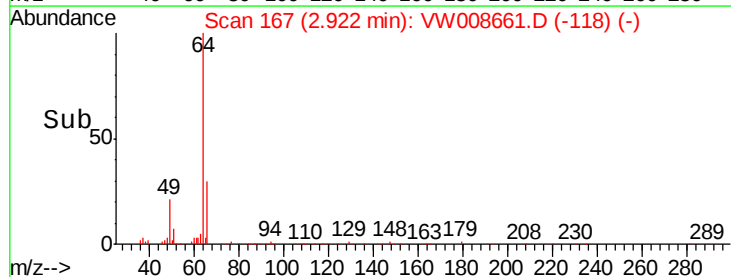
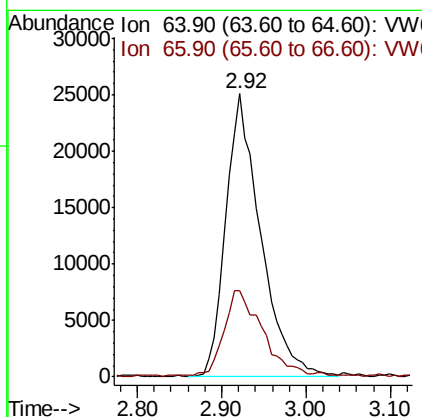
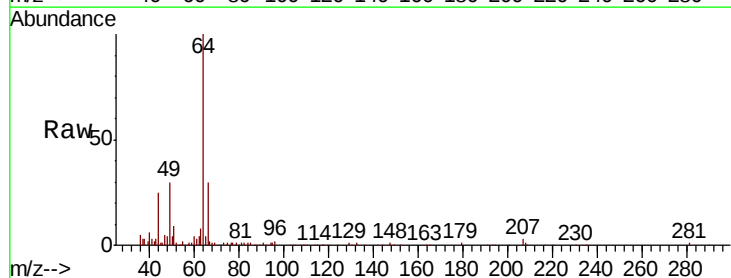
Acq: 14 Feb 2019 13:00

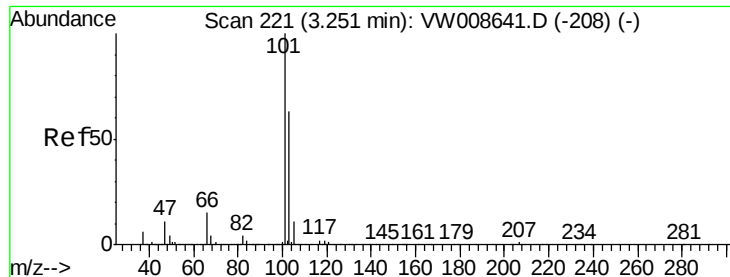
Tgt Ion: 64 Resp: 70226

Ion Ratio Lower Upper

64 100

66 29.8 26.2 39.4





#7

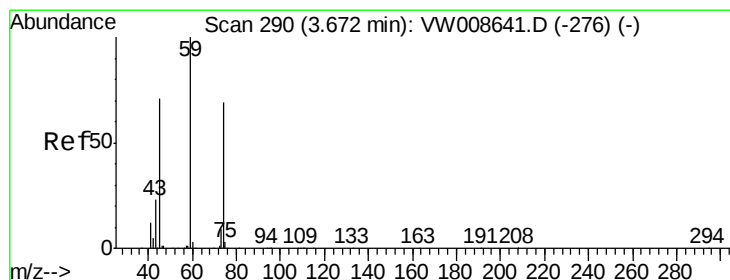
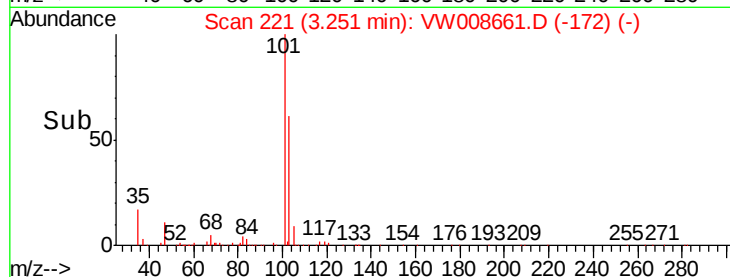
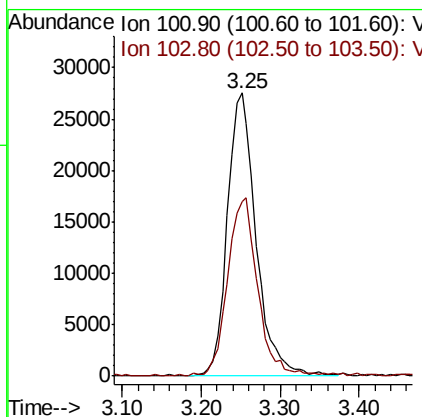
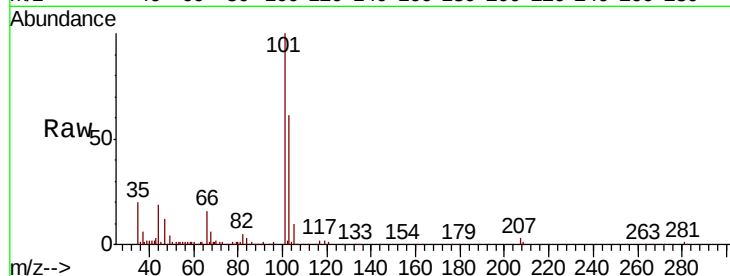
Trichlorofluoromethane
 Concen: 18.440 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	50.5	75.7

Manual Integrations
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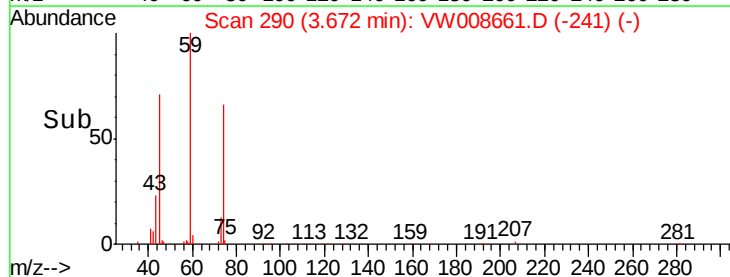
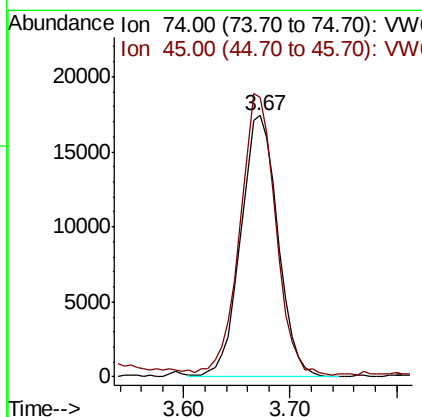
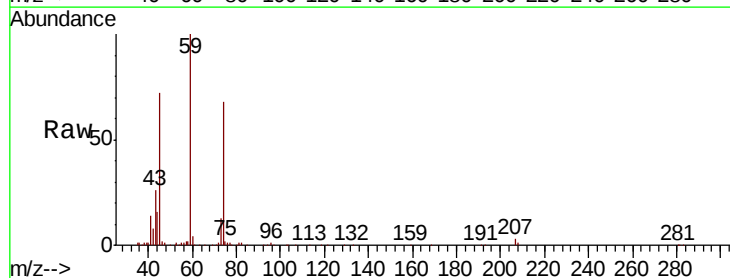
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 2/18/2019 12:10:49 AM

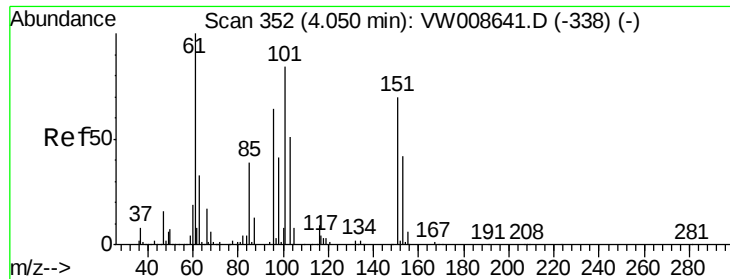


#8

Diethyl Ether
 Concen: 18.873 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.955 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

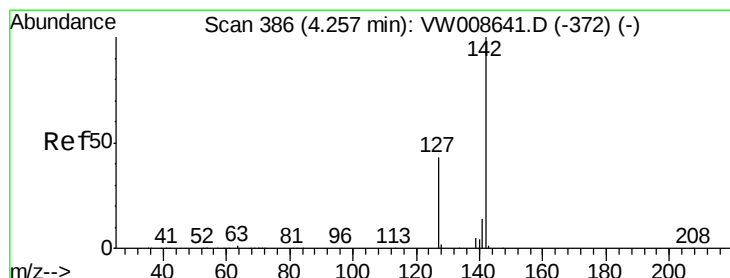
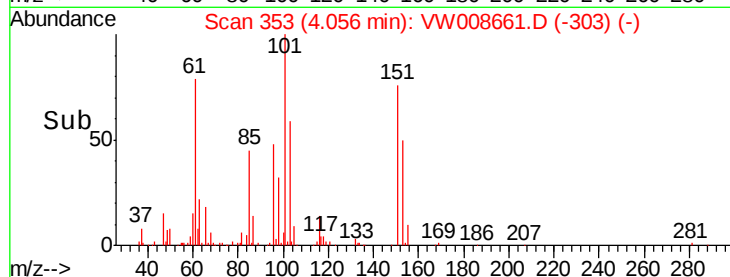
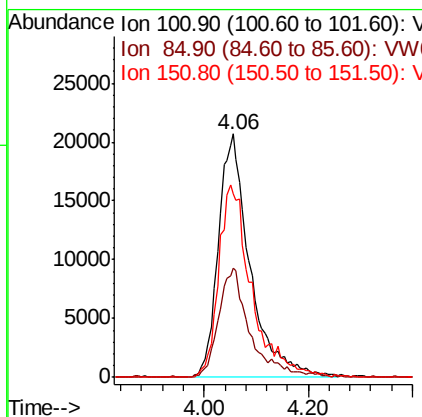
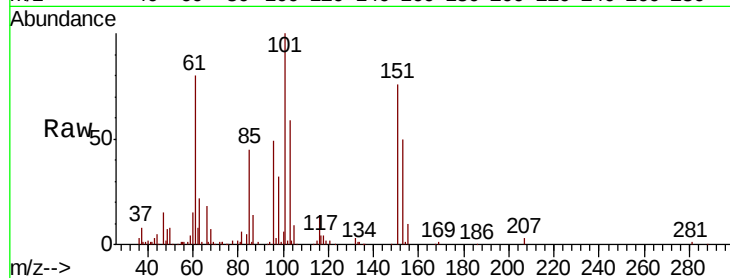
ClientSampleId :

VW0214SBS01

Tot Ion:	101	Resp:	87927
Ion Ratio	Lower	Upper	
101	100		
85	44.1	34.3	51.5
151	81.8	65.6	98.4

Manual Integrations
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2/18/2019 12:10:49 AM



#10

Methyl Iodide

Concen: 20.843 ug/l

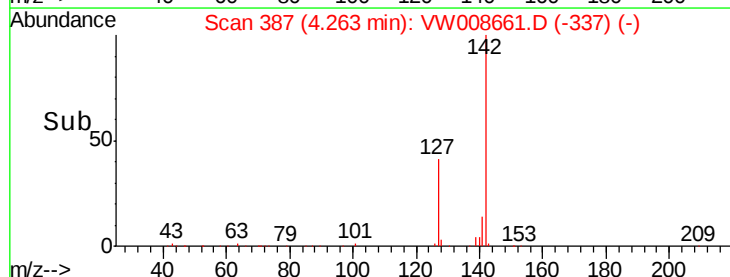
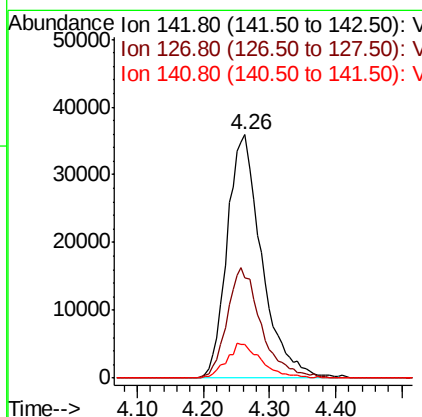
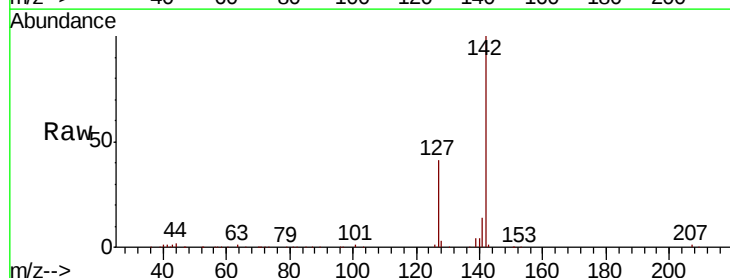
RT: 4.26 min Scan# 387

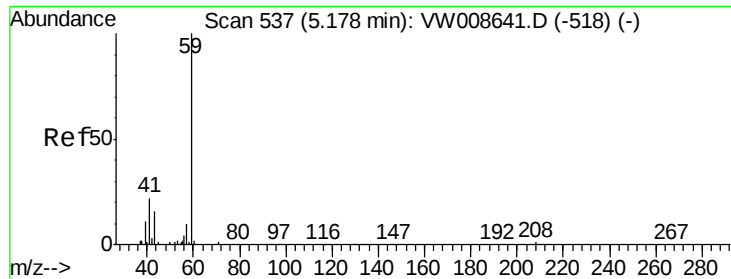
Delta R.T. 0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion:	142	Resp:	130287
Ion Ratio	Lower	Upper	
142	100		
127	44.6	34.8	52.2
141	14.4	11.8	17.8





#11

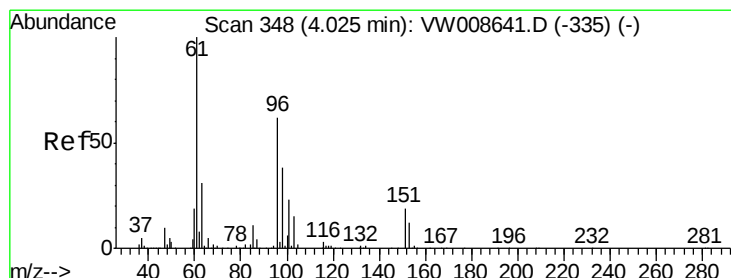
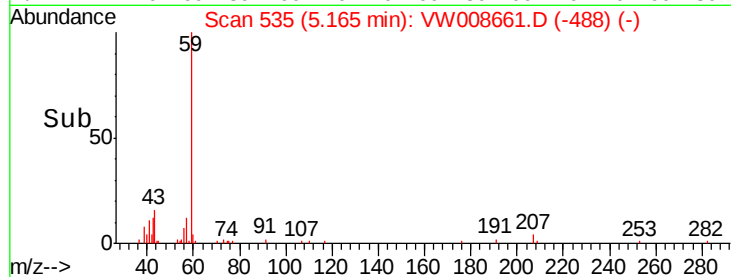
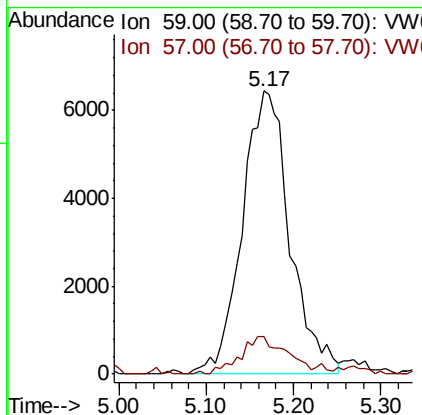
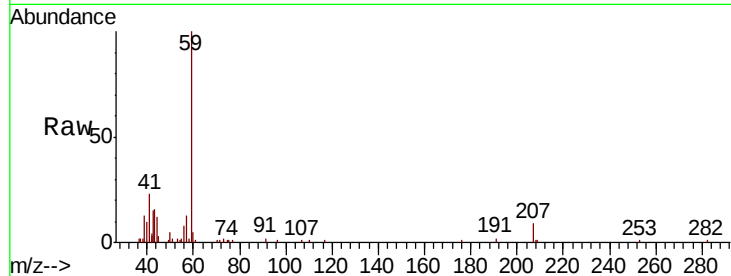
Tert butyl alcohol
 Concen: 73.106 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.7	8.3	12.5#

Manual Integrations
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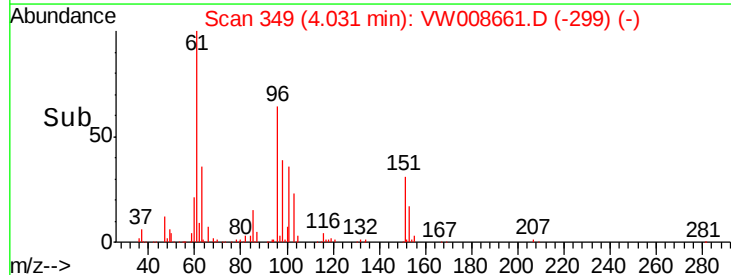
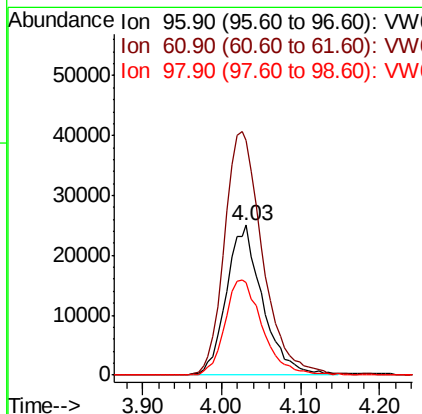
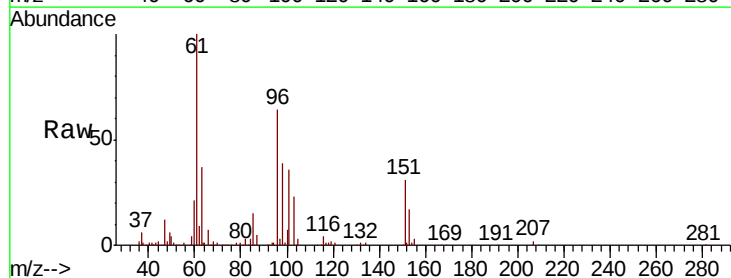
MMDadoda
 2/18/2019 12:10:49 AM

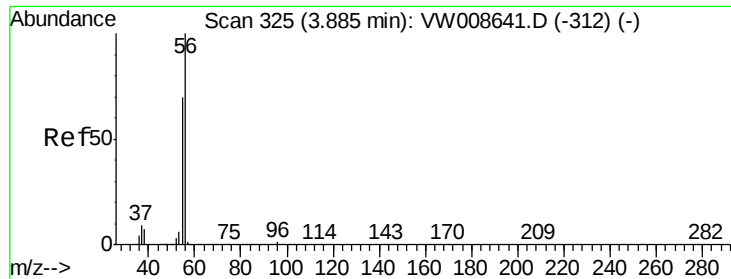


#12

1,1-Dichloroethene
 Concen: 20.299 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.01 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	129.8	194.6
98	62.1	49.3	73.9





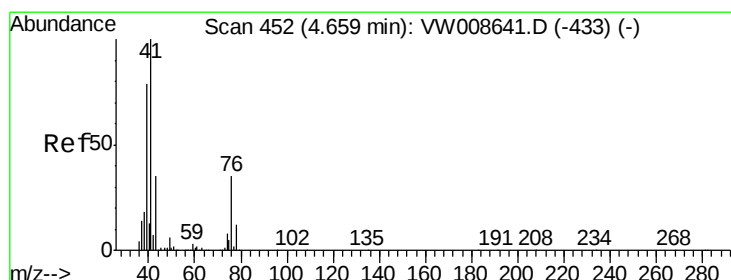
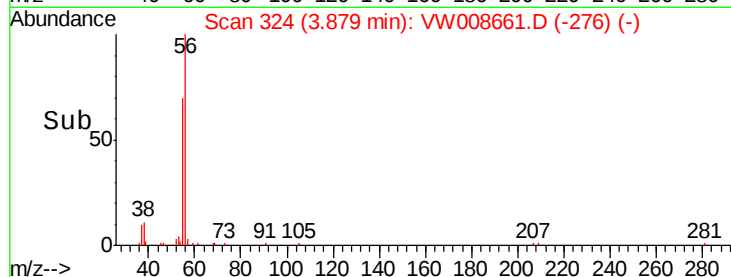
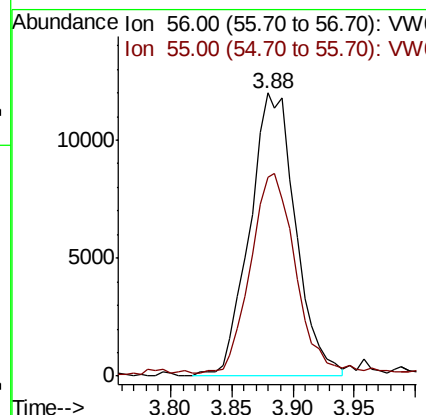
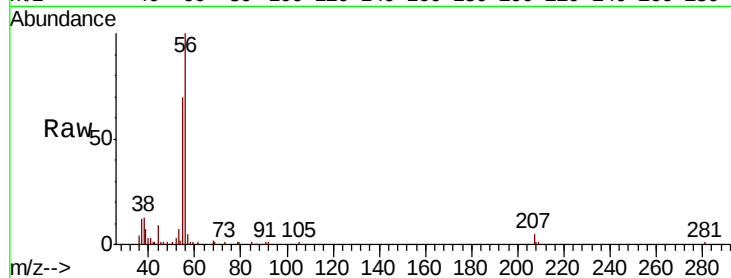
#13
Acrolein
Concen: 91.307 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.7	57.4	86.2

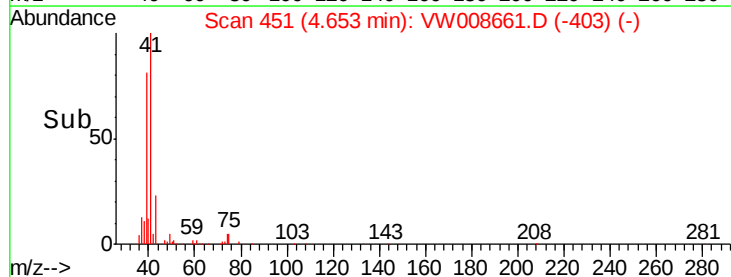
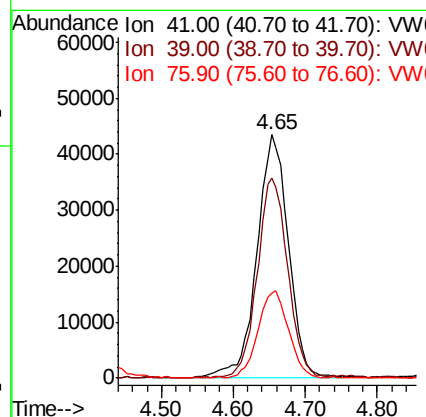
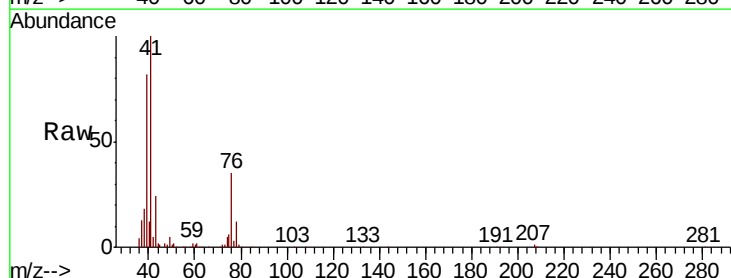
Manual Integrations
APPROVED

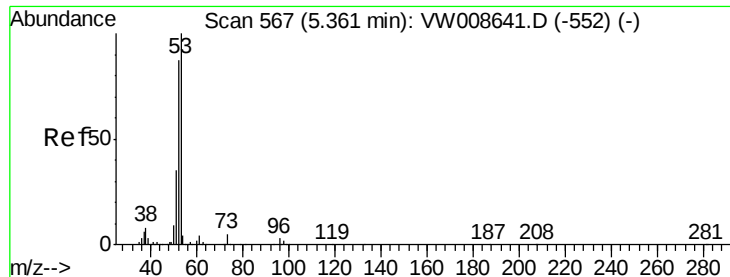
MMDadoda
2/18/2019 12:10:49 AM



#14
Allyl chloride
Concen: 20.356 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.8	61.7	92.5
76	35.0	27.7	41.5





#15

Acrylonitrile

Concen: 86.820 ug/l

RT: 5.35 min Scan# 566

Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

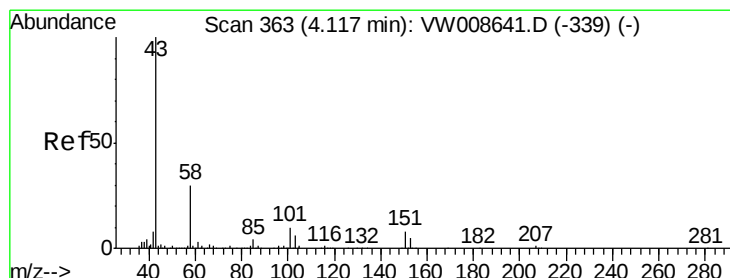
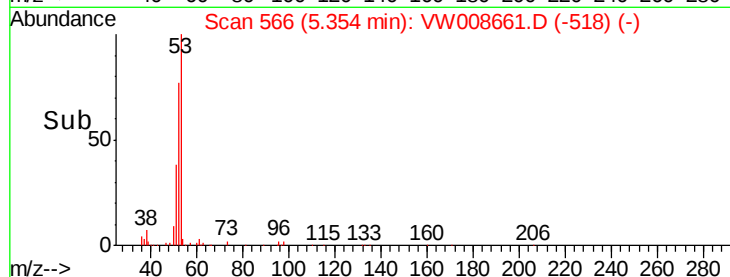
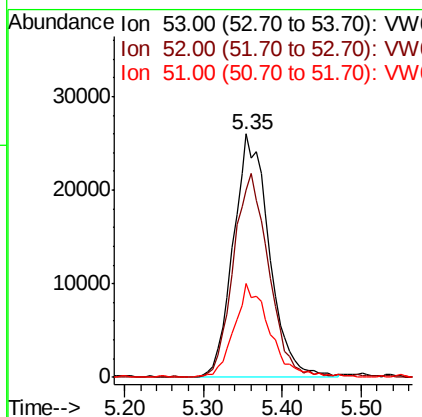
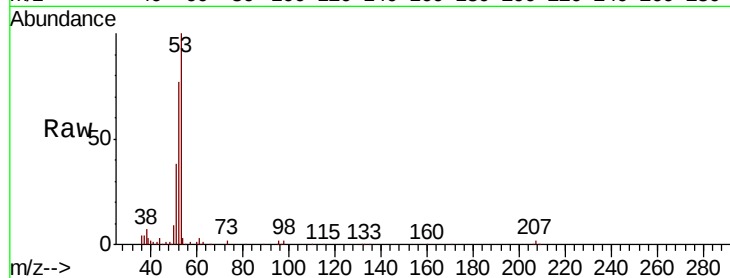
ClientSampleId :

VW0214SBS01

Tot Ion:	53	Resp:	82643
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.8	100.2
51	38.1	29.4	44.0

Manual Integrations
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MMDadoda
2/18/2019 12:10:49 AM



#16

Acetone

Concen: 84.098 ug/l

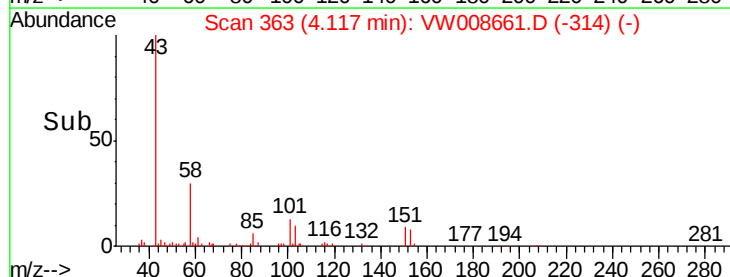
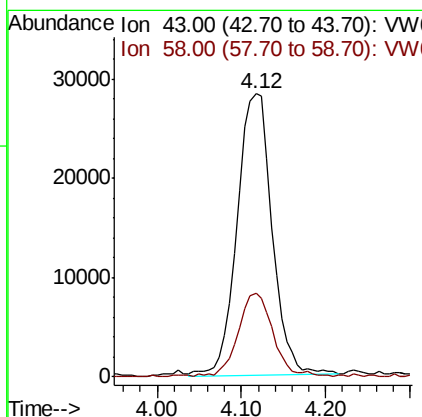
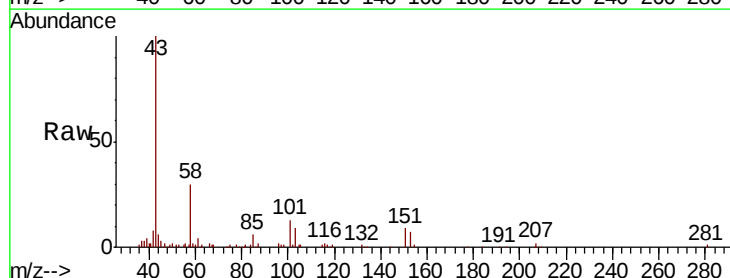
RT: 4.12 min Scan# 363

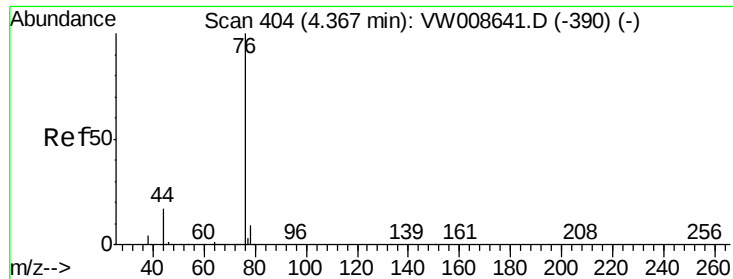
Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion:	43	Resp:	79818
Ion	Ratio	Lower	Upper
43	100		
58	29.2	24.1	36.1





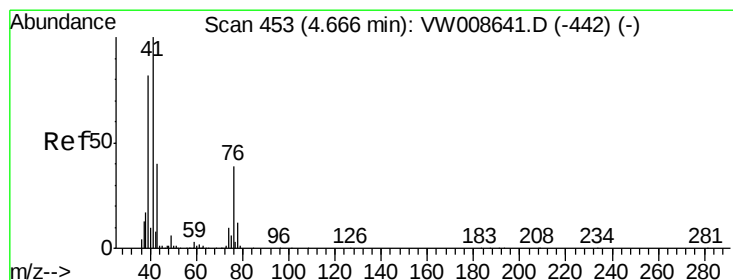
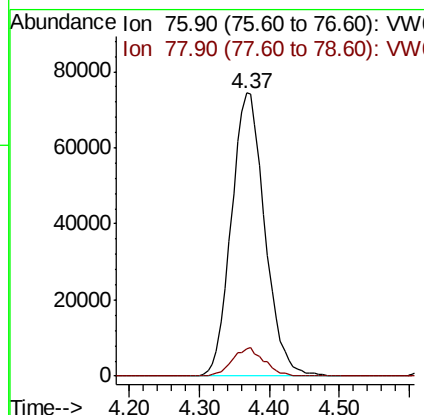
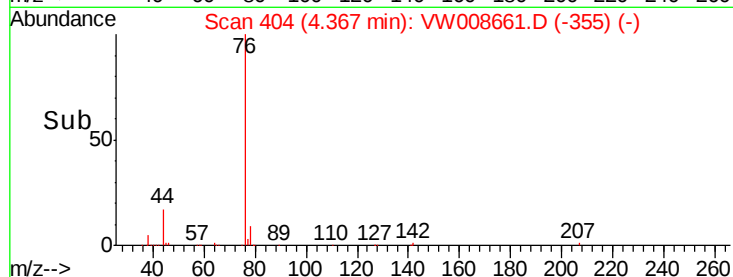
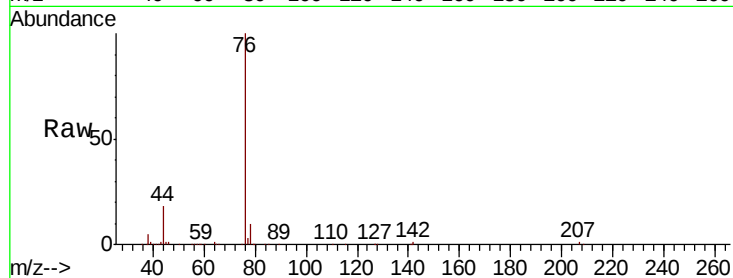
#17
Carbon Disulfide
Concen: 20.911 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.1	10.7

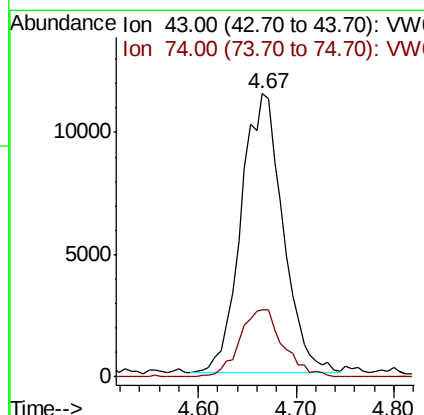
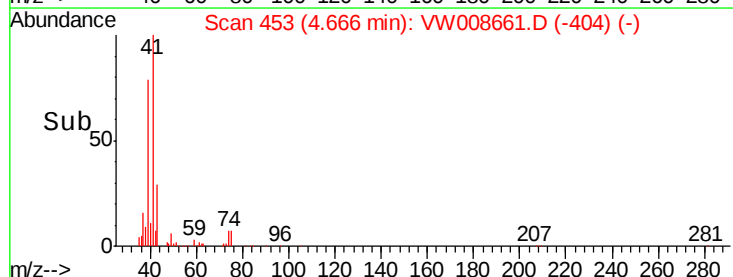
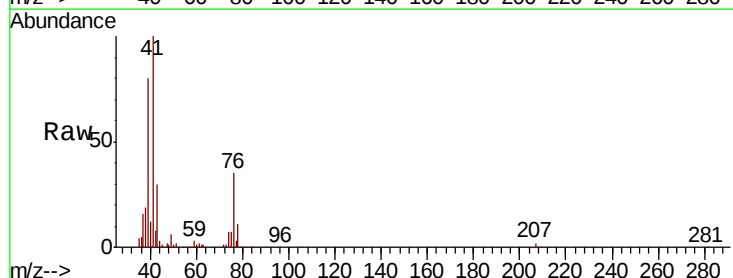
Manual Integrations
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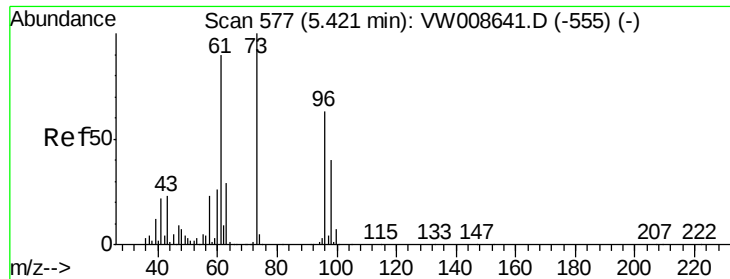
MMDadoda
2/18/2019 12:10:49 AM



#18
Methyl Acetate
Concen: 15.545 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.0	28.4





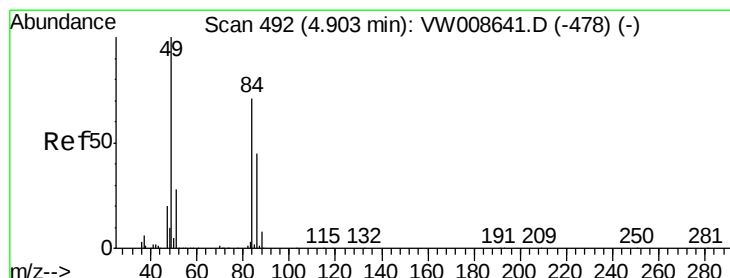
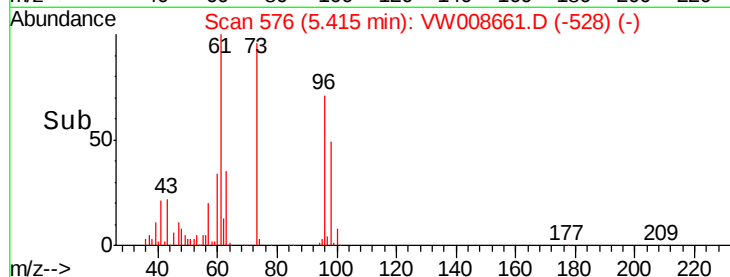
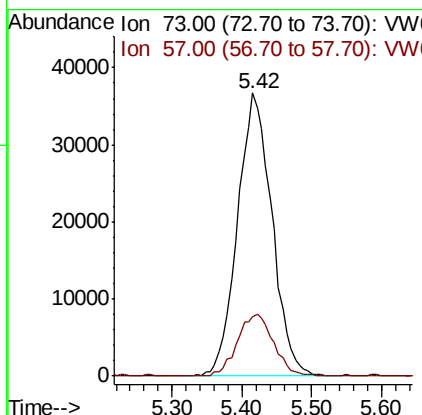
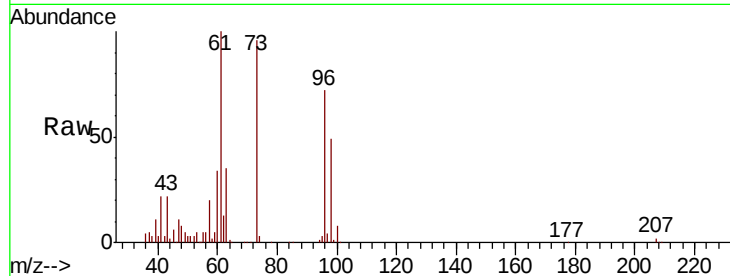
#19
Methyl tert-butyl Ether
Concen: 18.250 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	18.2	27.2

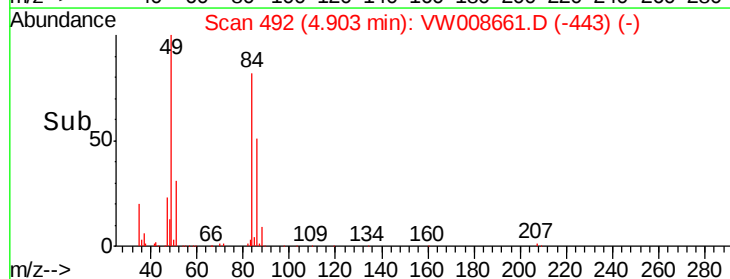
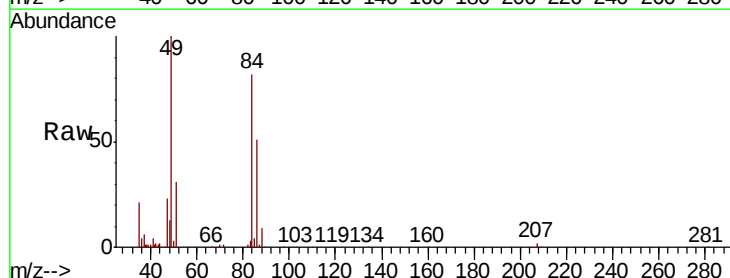
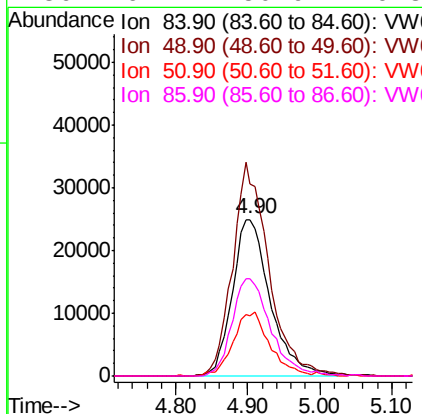
Manual Integrations
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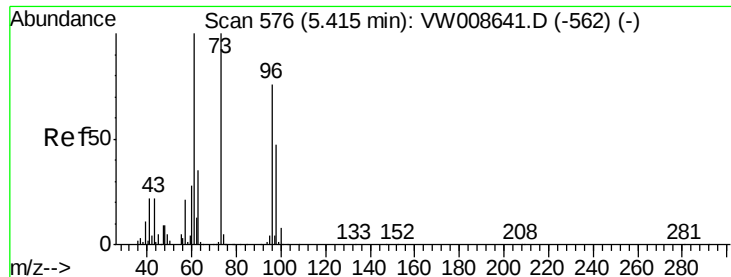
MMDadoda
2/18/2019 12:10:49 AM



#20
Methylene Chloride
Concen: 17.054 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.0	113.3	169.9
51	38.4	32.1	48.1
86	61.7	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

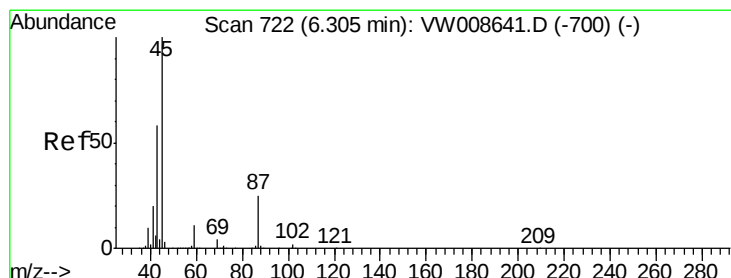
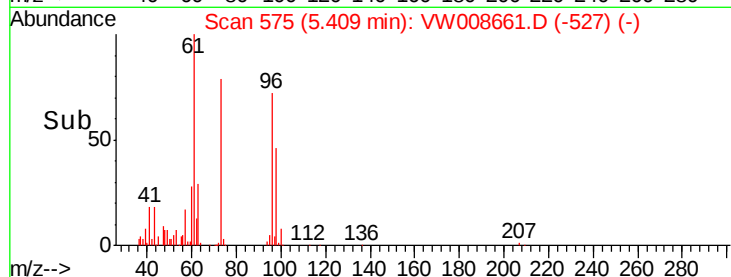
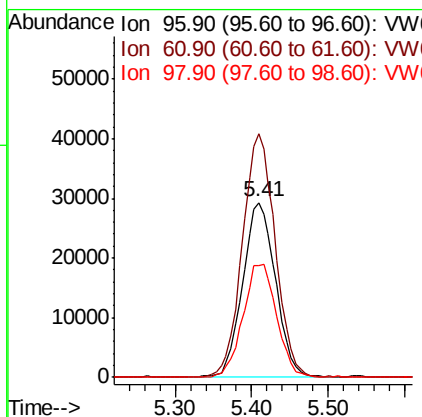
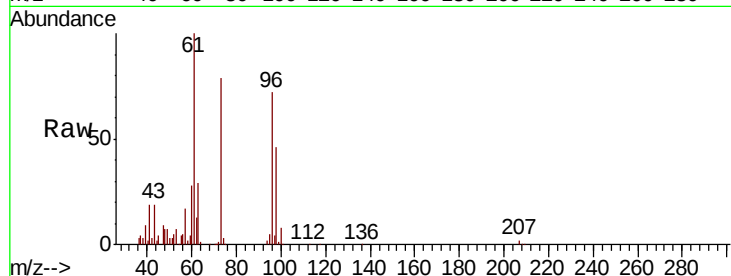
ClientSampleId :

VW0214SBS01

Tot Ion:	96	Resp:	87628
Ion	Ratio	Lower	Upper
96	100		
61	139.1	105.9	158.9
98	64.0	49.8	74.6

Manual Integrations
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MMDadoda
2/18/2019 12:10:49 AM



#22

Diisopropyl ether

Concen: 19.254 ug/l

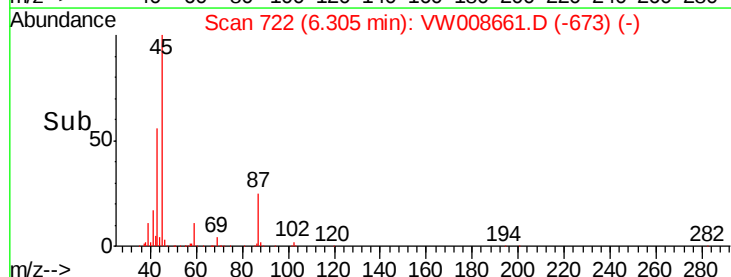
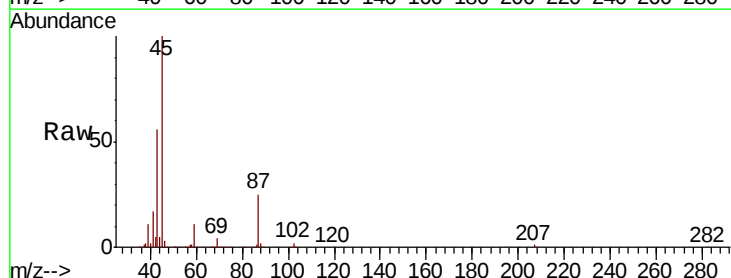
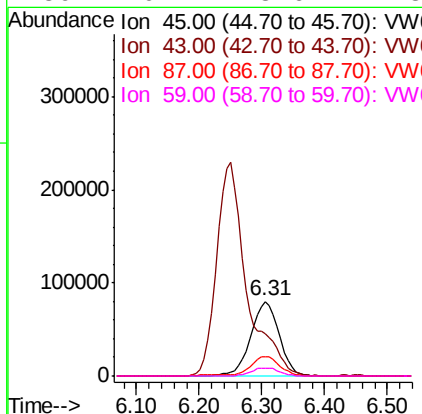
RT: 6.31 min Scan# 722

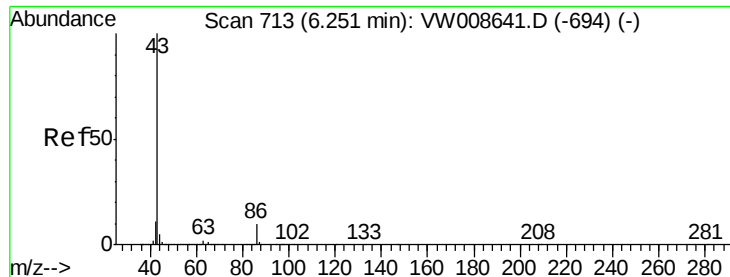
Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion:	45	Resp:	252169
Ion	Ratio	Lower	Upper
45	100		
43	55.7	46.1	69.1
87	25.2	20.5	30.7
59	10.7	8.6	12.8





#23

Vinyl Acetate

Concen: 89.160 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleID :

VW0214SBS01

Tot Ion: 43 Resp: 757867

Ion Ratio Lower Upper

43 100

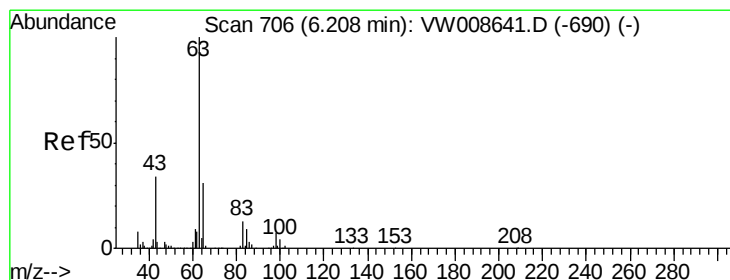
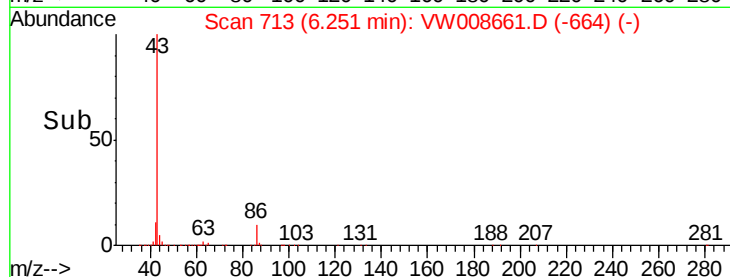
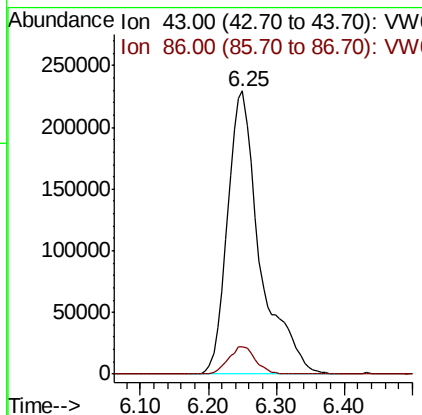
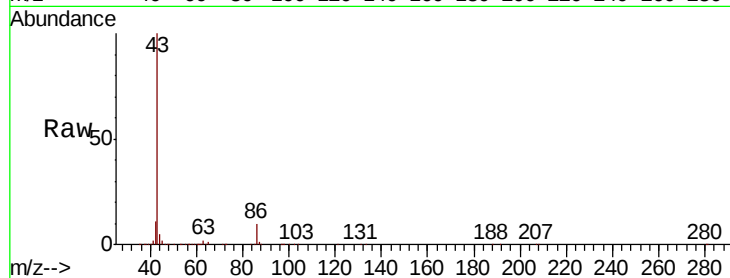
86 9.9 7.9 11.9

Manual Integrations

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MMDadoda

2/18/2019 12:10:49 AM



#24

1,1-Dichloroethane

Concen: 20.208 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

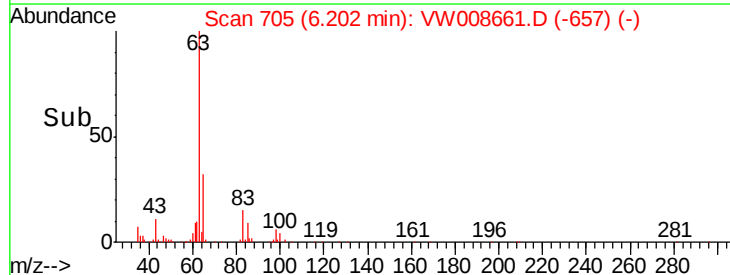
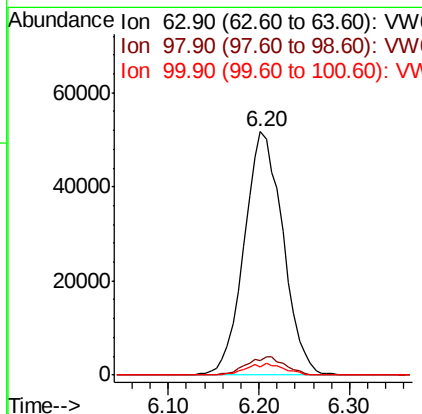
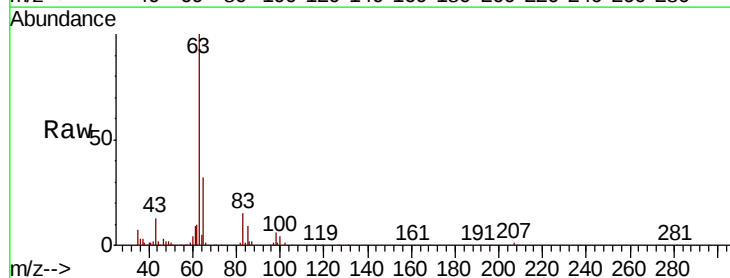
Tgt Ion: 63 Resp: 152720

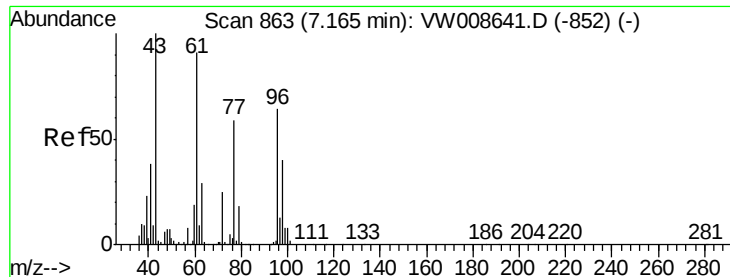
Ion Ratio Lower Upper

63 100

98 5.8 3.6 10.8

100 3.5 2.2 6.6





#25

2-Butanone

Concen: 81.029 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 43 Resp: 108594

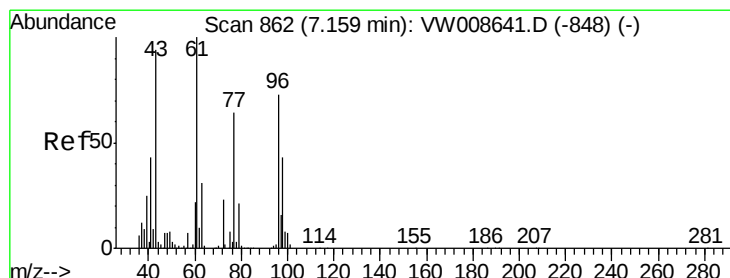
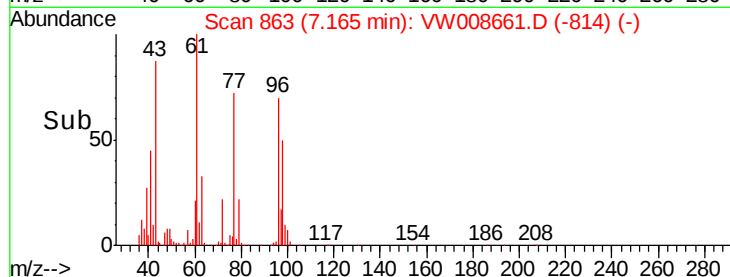
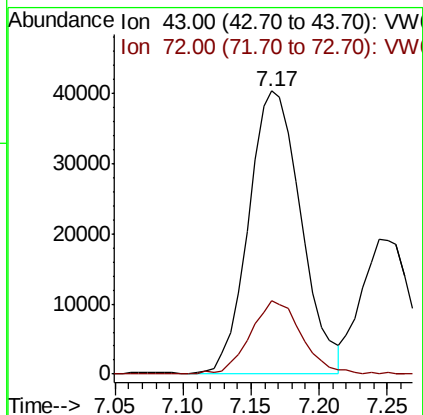
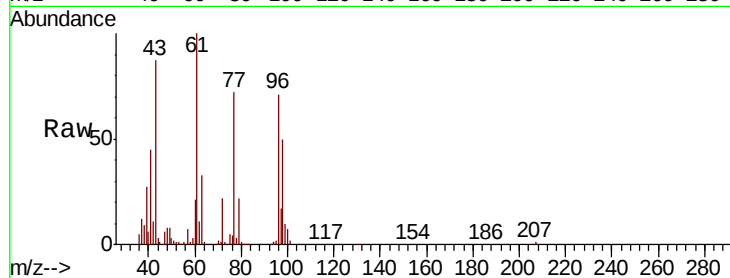
Ion Ratio Lower Upper

43 100

72 25.9 19.7 29.5

Manual Integrations
APPROVED

MMDadoda
2/18/2019 12:10:49 AM



#26

2,2-Dichloropropane

Concen: 21.712 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW008661.D

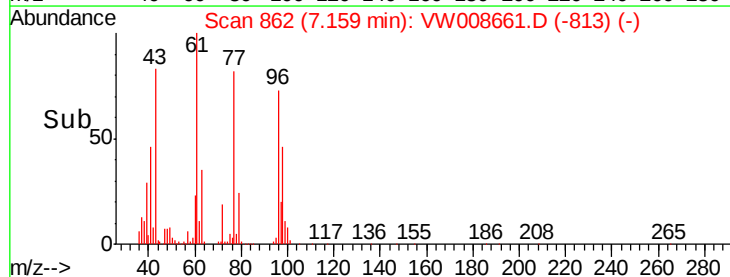
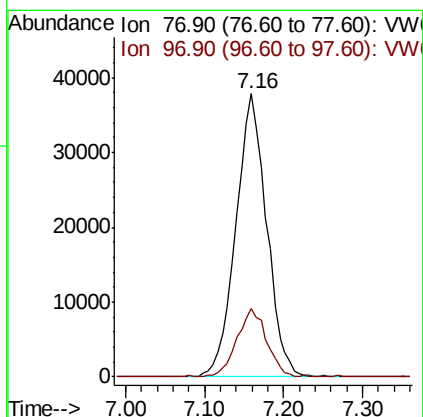
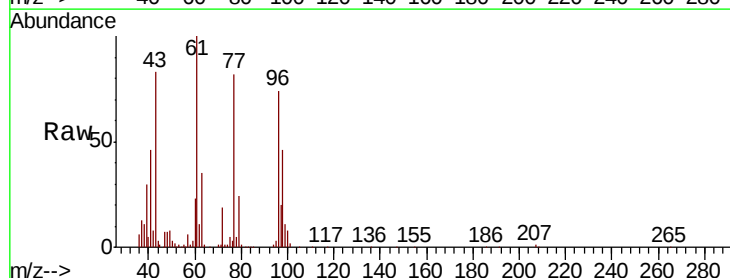
Acq: 14 Feb 2019 13:00

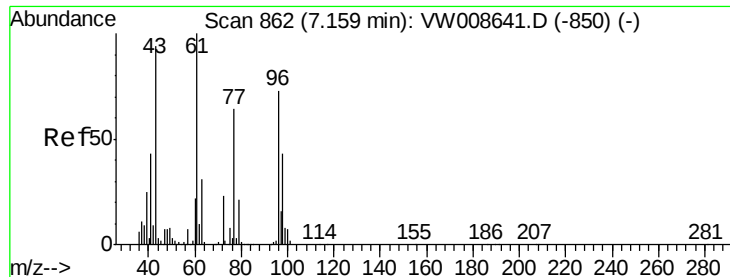
Tgt Ion: 77 Resp: 102508

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.0





#27

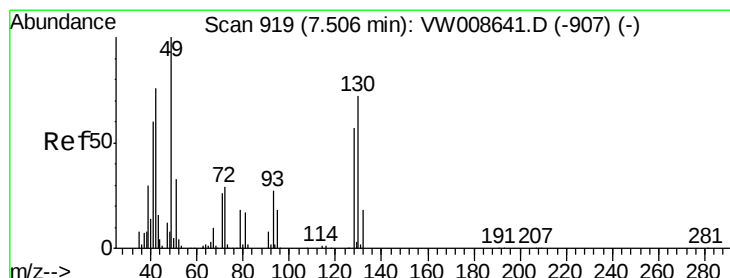
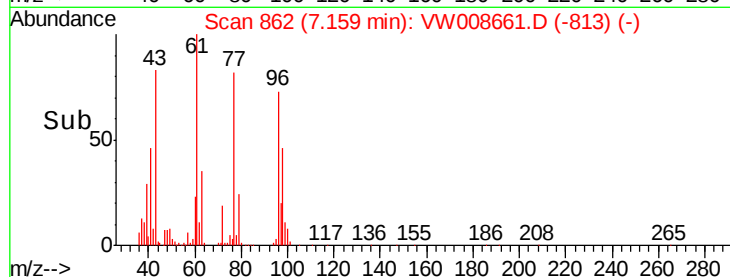
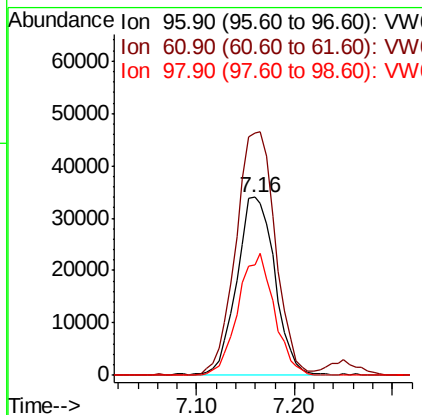
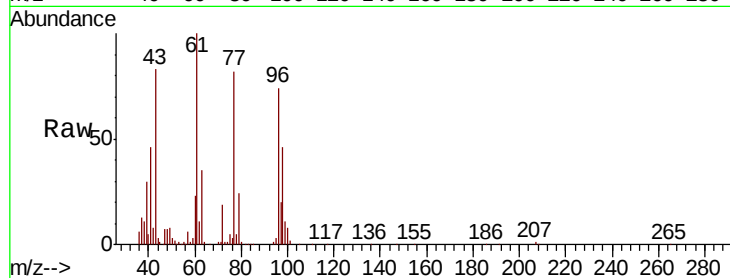
cis-1,2-Dichloroethene
 Concen: 19.643 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	143.1		0.0	286.4	
98	65.4		0.0	125.0	

Manual Integrations
 APPROVED

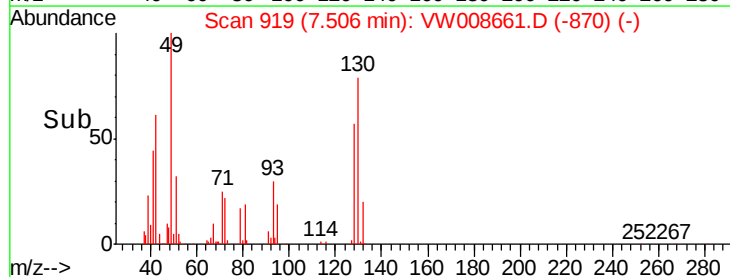
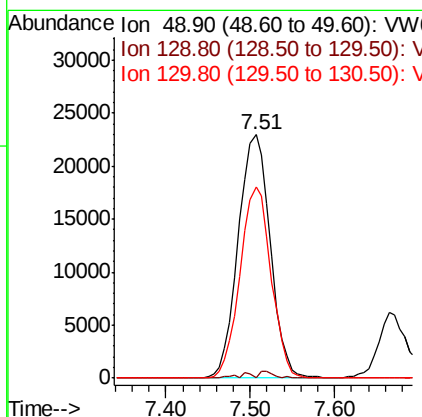
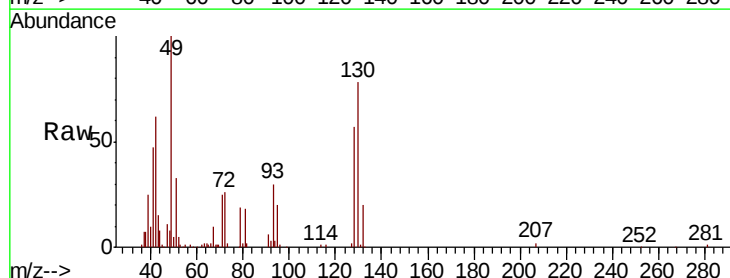
MMDadoda
 2/18/2019 12:10:49 AM

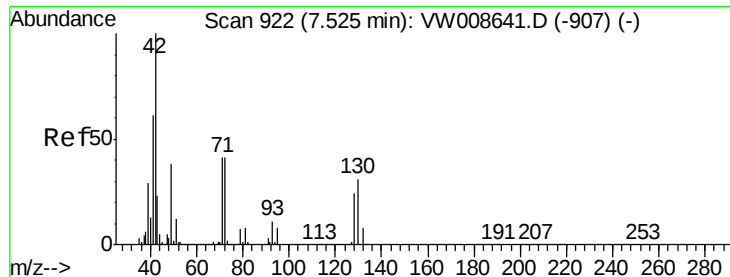


#28

Bromochloromethane
 Concen: 18.470 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.1		0.0	3.2	
130	76.2		59.4	89.0	





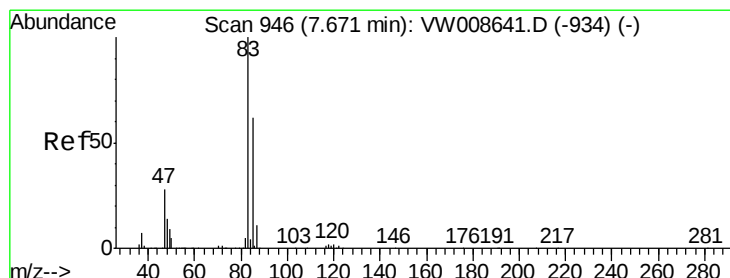
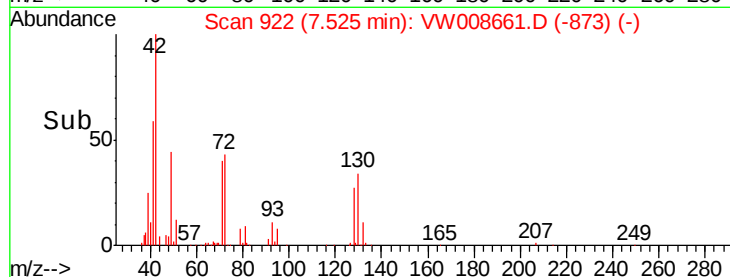
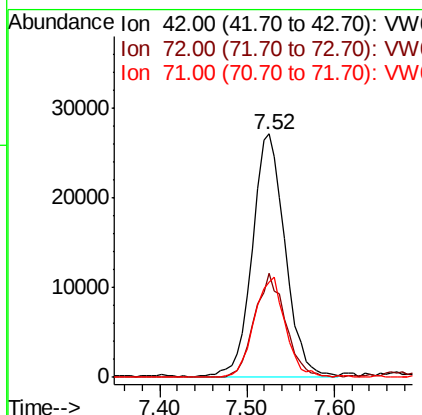
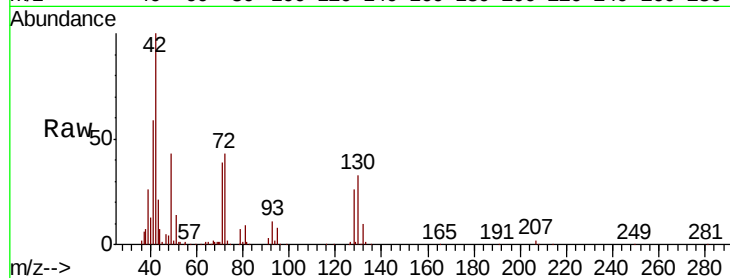
#29
Tetrahydrofuran
Concen: 80.644 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.2	48.2
71	38.9	31.0	46.6

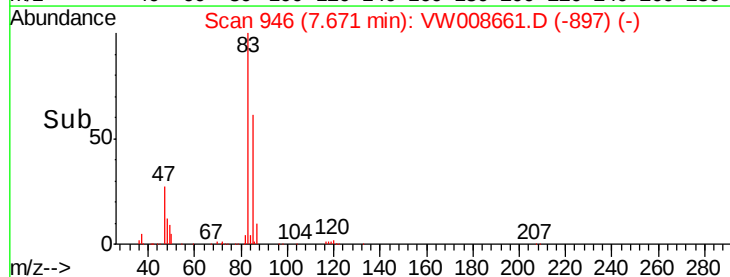
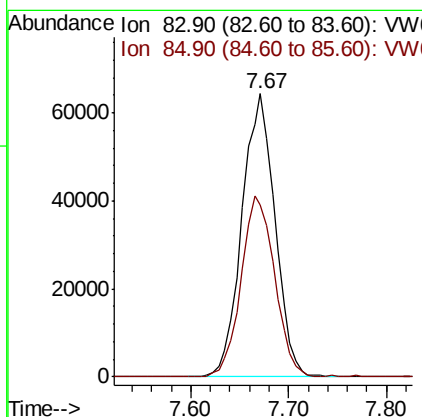
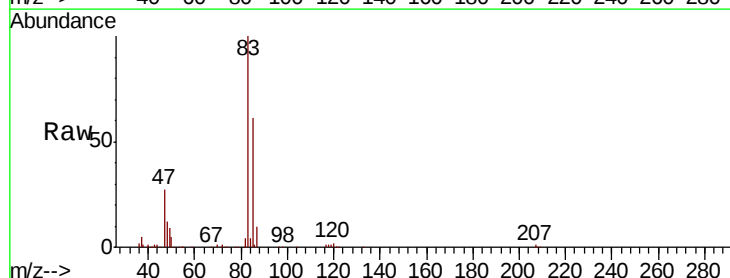
Manual Integrations
APPROVED

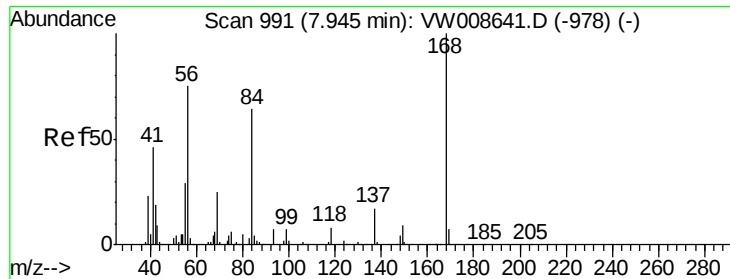
MMDadoda
2/18/2019 12:10:49 AM



#30
Chloroform
Concen: 19.955 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	49.8	74.8





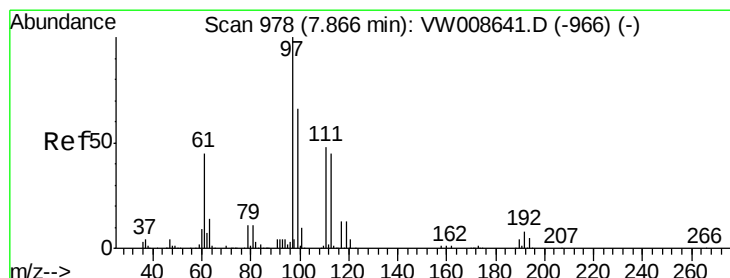
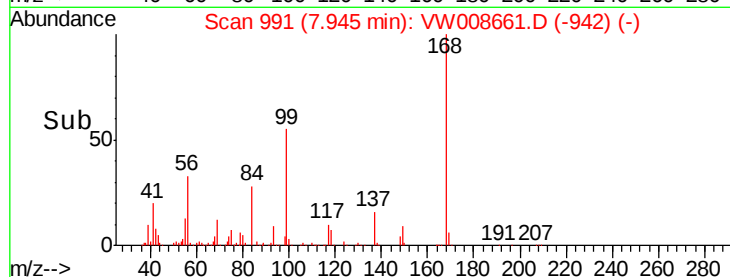
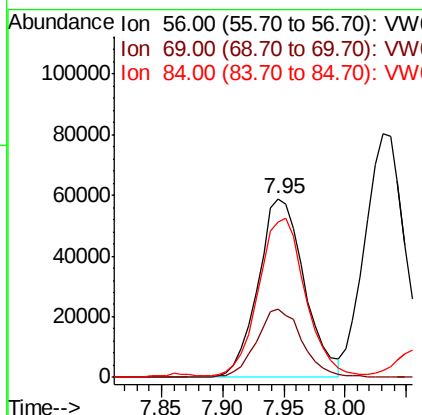
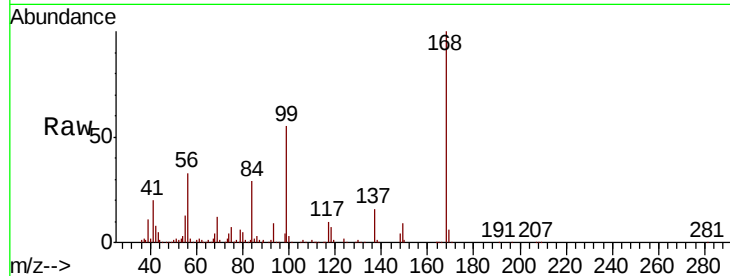
#31
Cyclohexane
Concen: 20.326 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.4	39.6
84	85.7	67.4	101.2

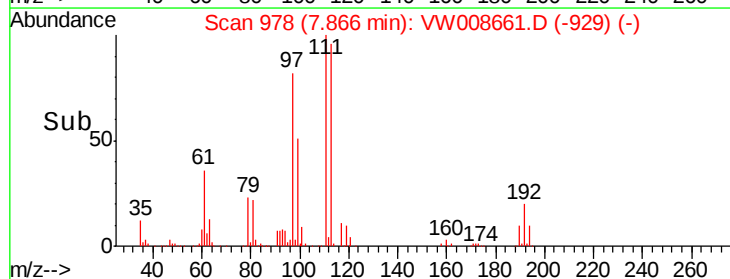
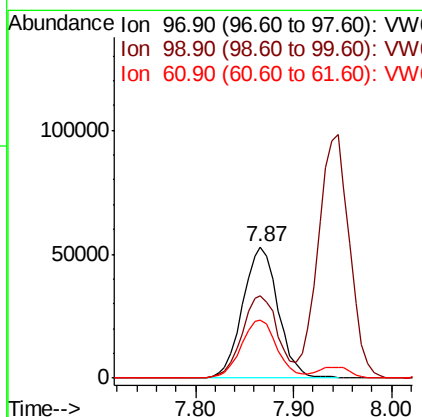
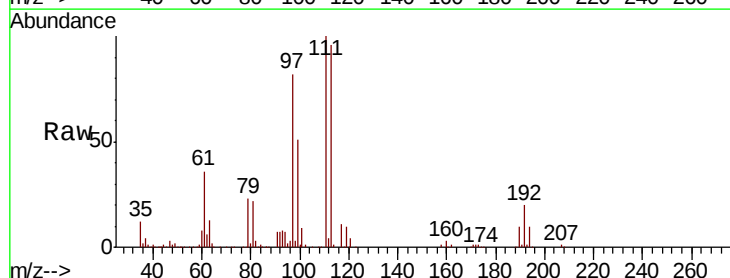
Manual Integrations
APPROVED

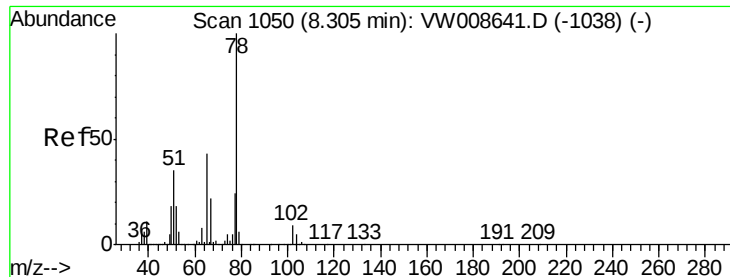
MMDadoda
2/18/2019 12:10:49 AM



#32
1,1,1-Trichloroethane
Concen: 20.853 ug/l
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.6	77.4
61	45.0	35.8	53.6





#33

1,2-Dichloroethane-d4

Concen: 48.813 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 65 Resp: 203593

Ion Ratio Lower Upper

65 100

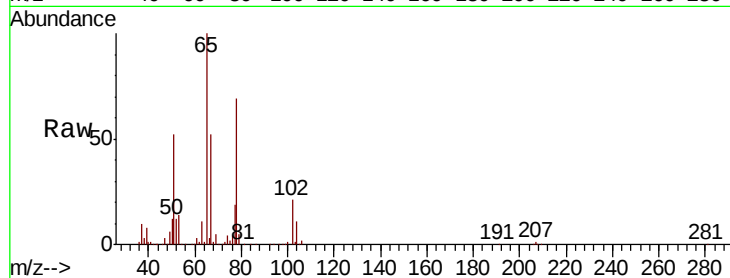
67 51.0 0.0 102.0

Manual Integrations

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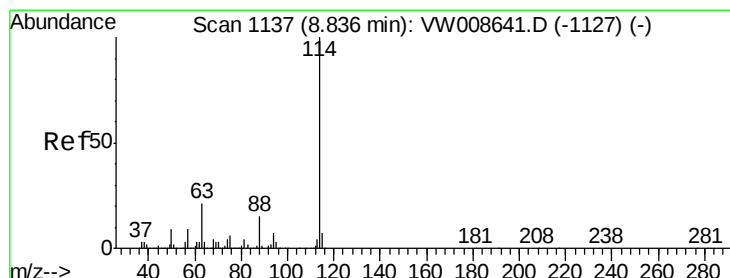
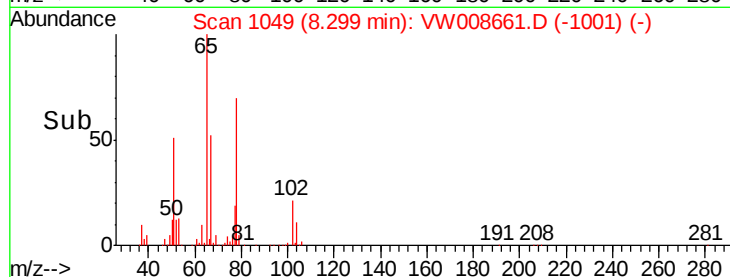
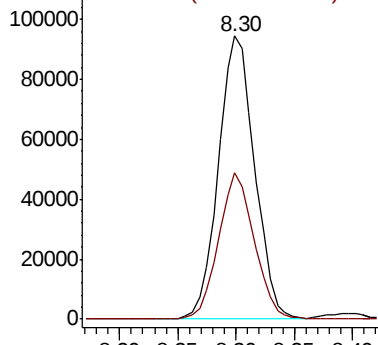
MMDadoda

2/18/2019 12:10:49 AM



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

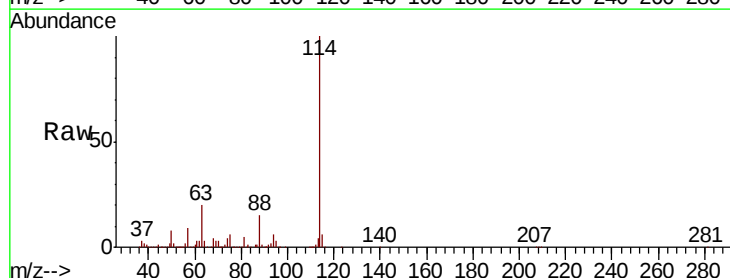
Tgt Ion: 114 Resp: 583256

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

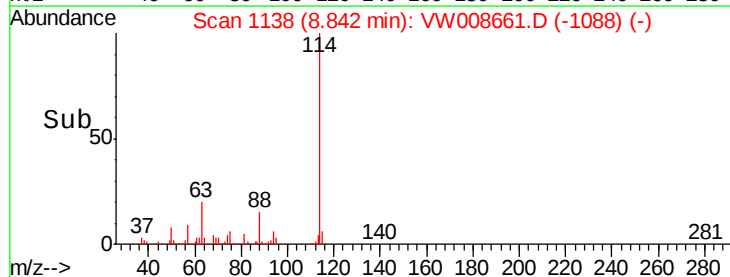
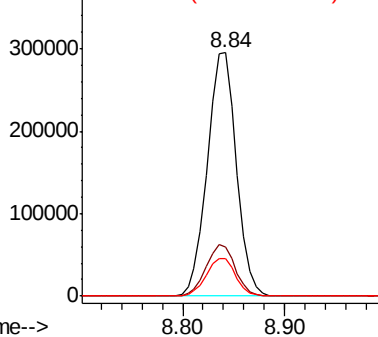
88 15.4 0.0 29.6

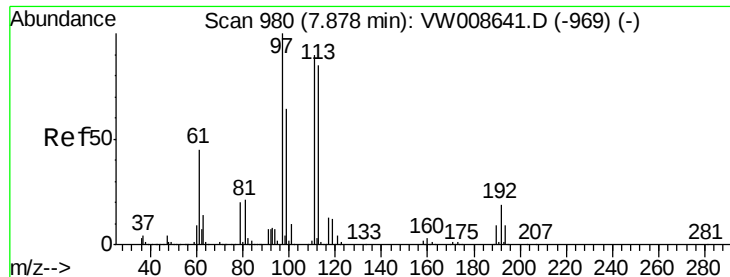


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 54.085 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

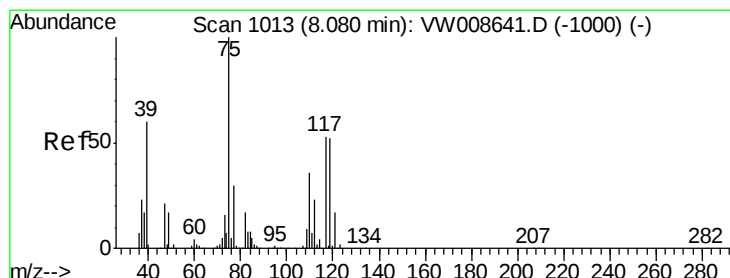
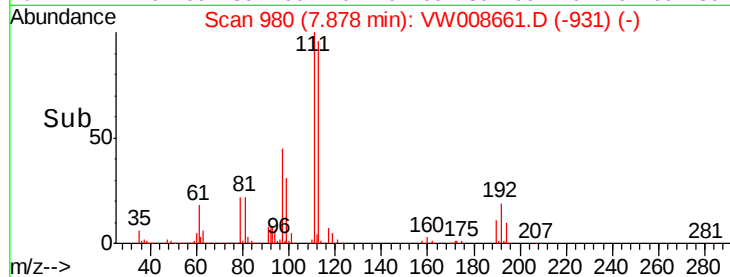
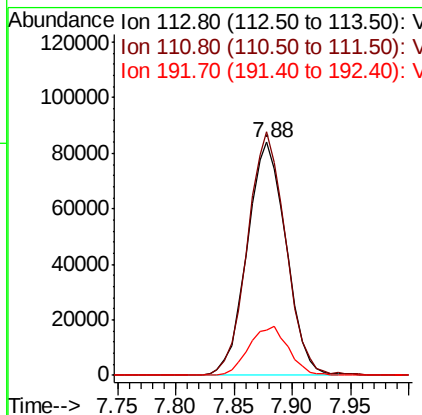
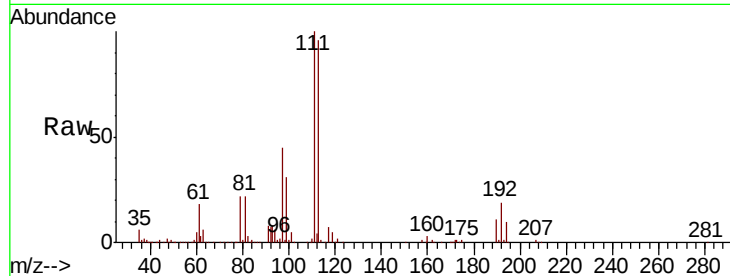
ClientSampleId :

VW0214SBS01

Tot Ion:	113	Resp:	195876
Ion Ratio	Lower	Upper	
113	100		
111	102.6	84.0	126.0
192	21.3	17.4	26.2

Manual Integrations
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2/18/2019 12:10:49 AM



#36

1,1-Dichloropropene

Concen: 22.045 ug/l

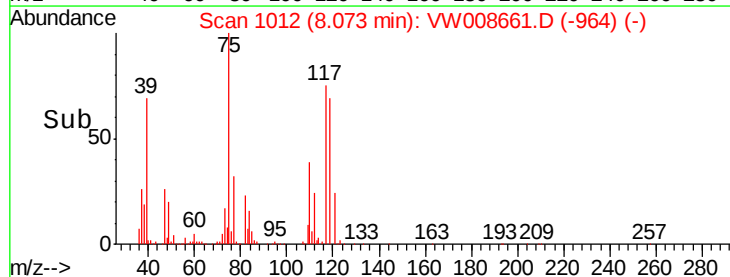
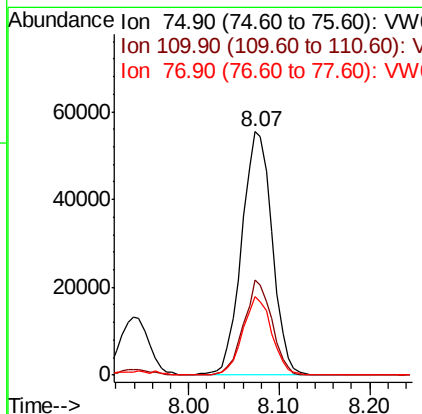
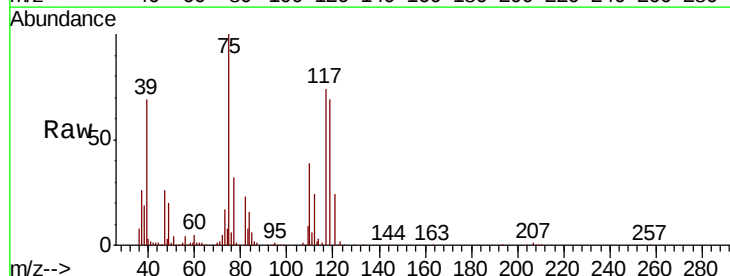
RT: 8.07 min Scan# 1012

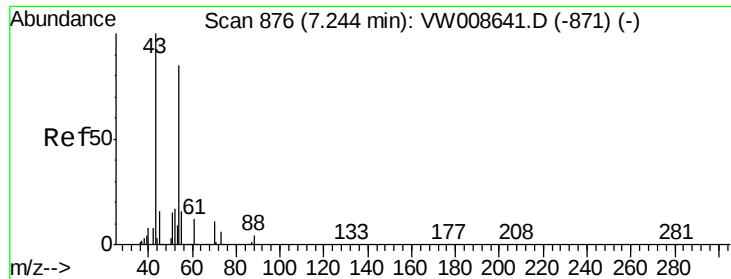
Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion:	75	Resp:	129181
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.8	53.3
77	30.8	24.7	37.1





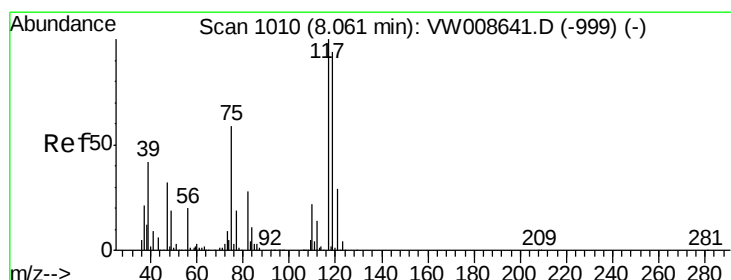
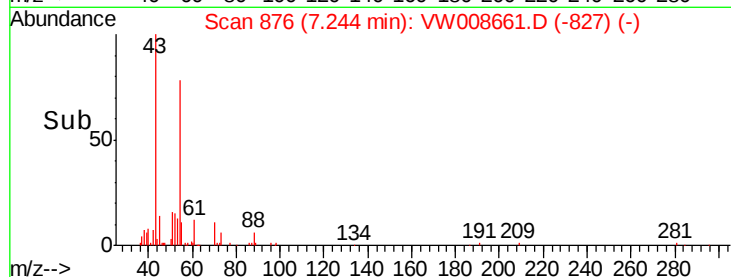
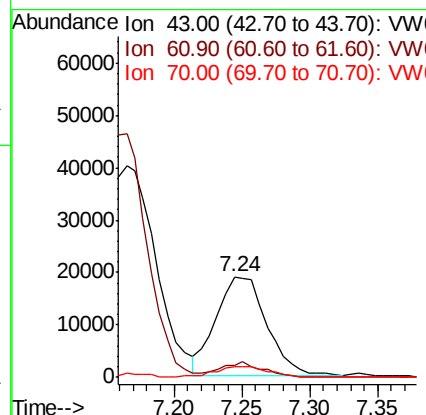
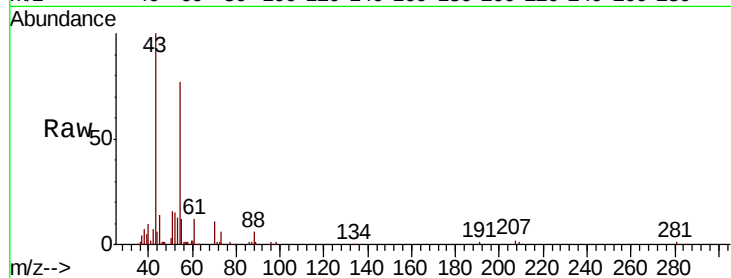
#37
Ethyl Acetate
Concen: 17.383 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	11.8	8.1	12.1

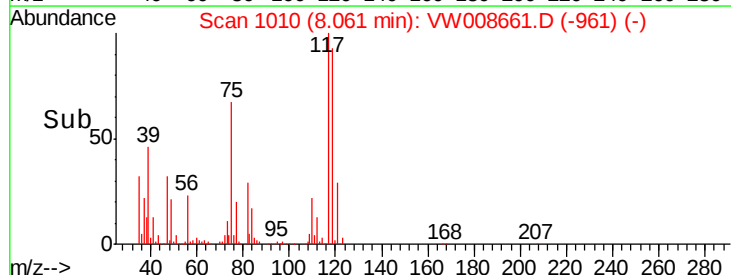
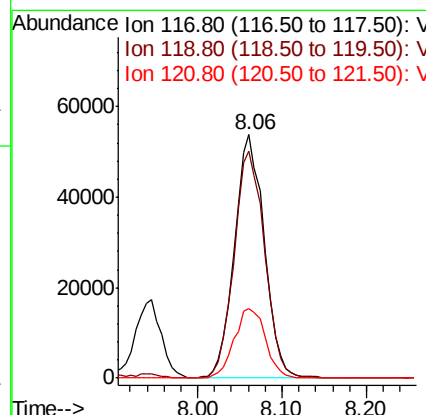
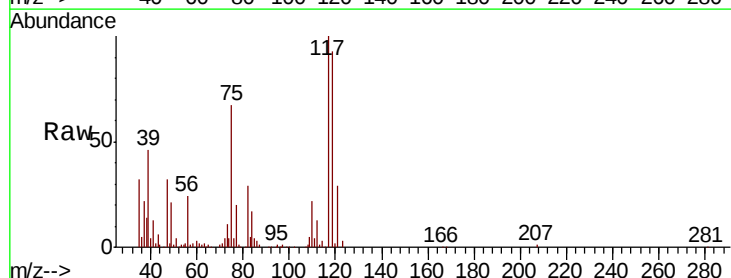
Manual Integrations
APPROVED

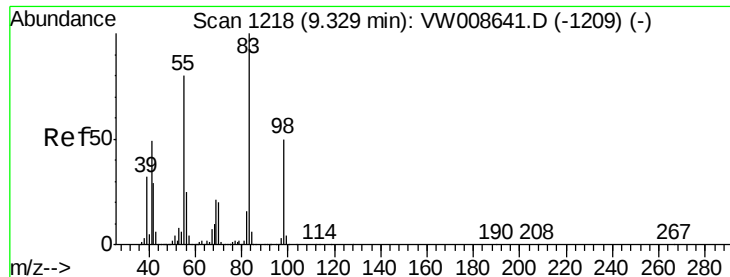
MMDadoda
2/18/2019 12:10:49 AM



#38
Carbon Tetrachloride
Concen: 22.134 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.1	112.7
121	28.7	23.5	35.3





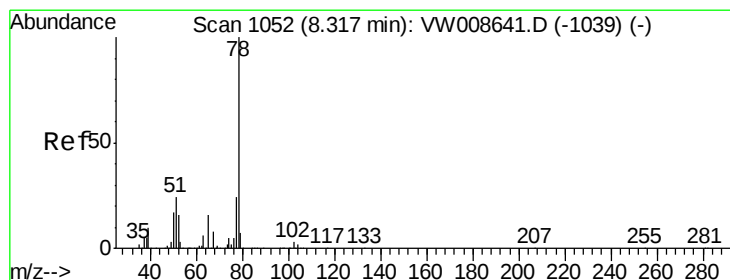
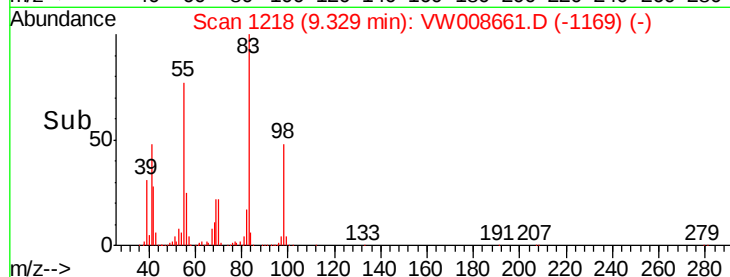
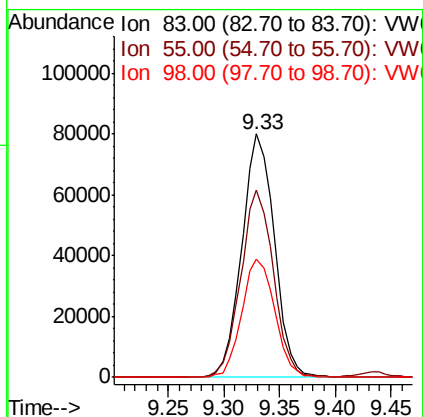
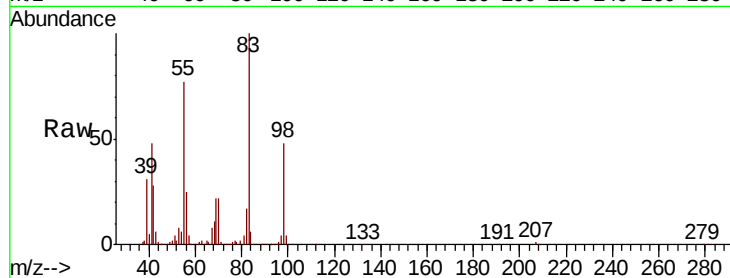
#39
Methvlcvclohexane
Concen: 22.015 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	63.9	95.9
98	48.4	40.2	60.2

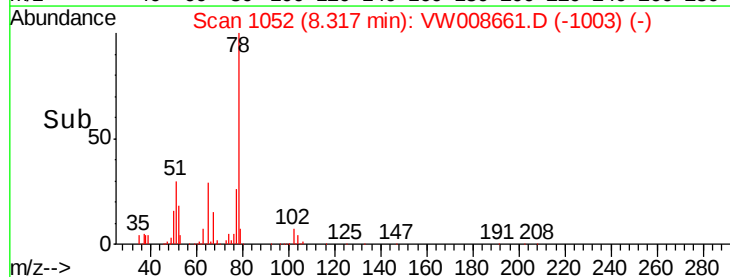
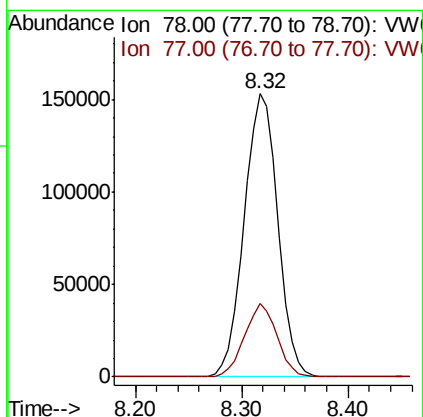
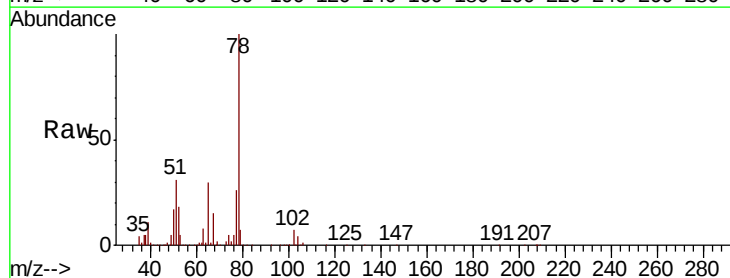
Manual Integrations
APPROVED

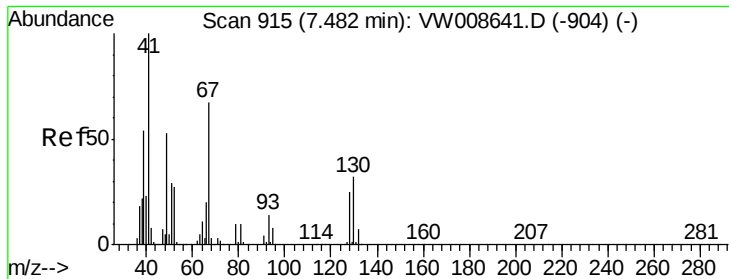
MMDadoda
2/18/2019 12:10:49 AM



#40
Benzene
Concen: 21.237 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	19.5	29.3





#41

Methacrylonitrile

Concen: 19.218 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

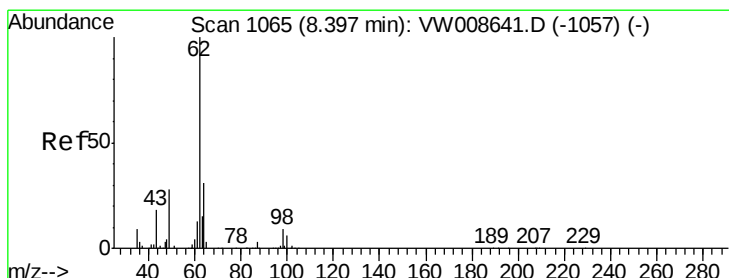
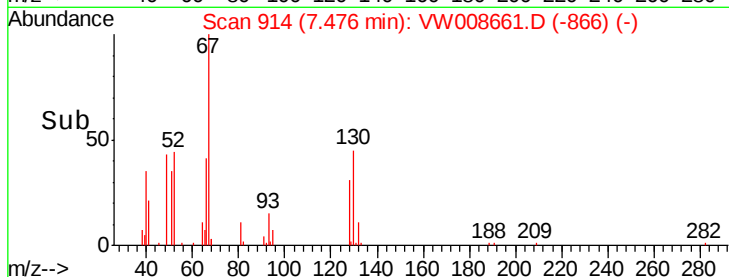
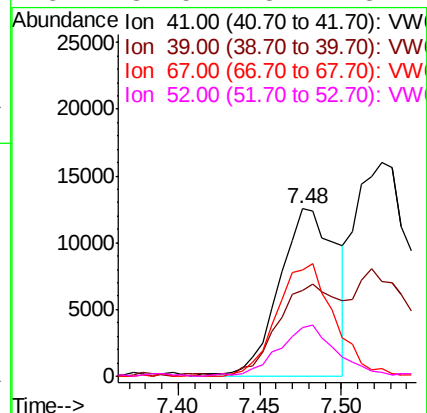
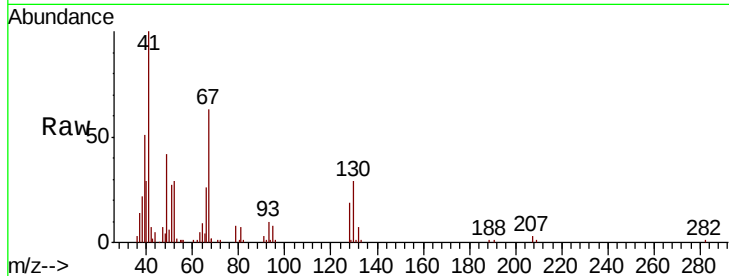
ClientSampleID :

VW0214SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.9	39.7	59.5
67	67.1	52.5	78.7
52	31.5	23.1	34.7

Manual Integrations
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MMDadoda
2/18/2019 12:10:49 AM



#42

1,2-Dichloroethane

Concen: 20.172 ug/l

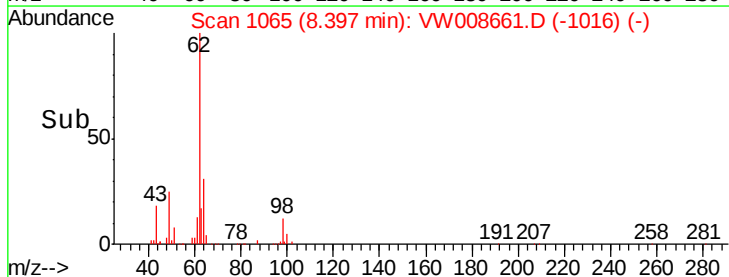
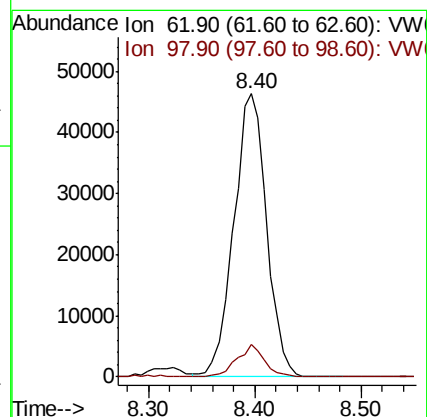
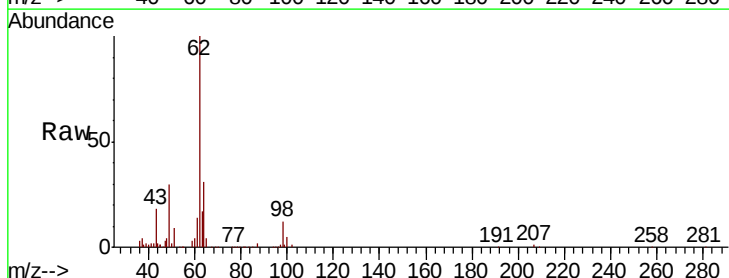
RT: 8.40 min Scan# 1065

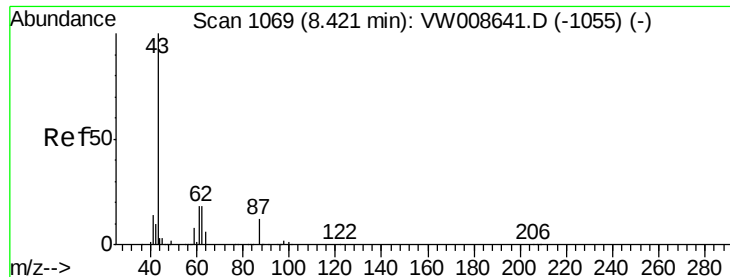
Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2





#43

Isopropyl Acetate

Concen: 17.743 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

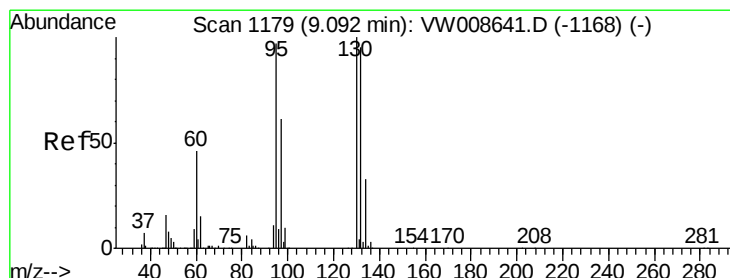
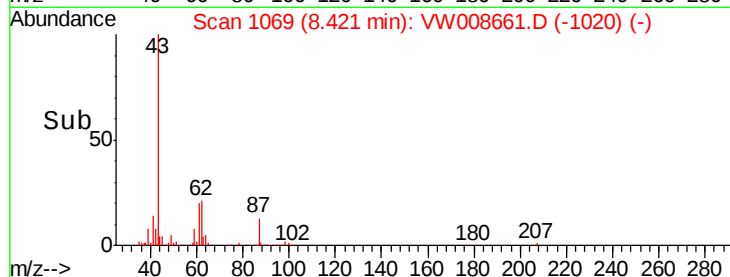
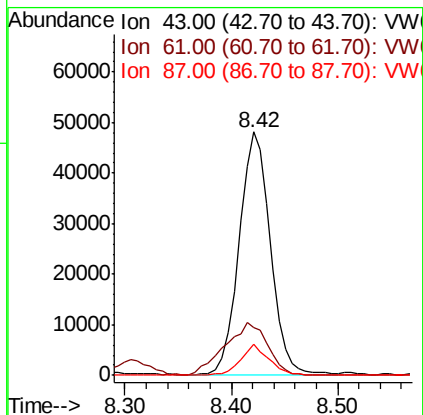
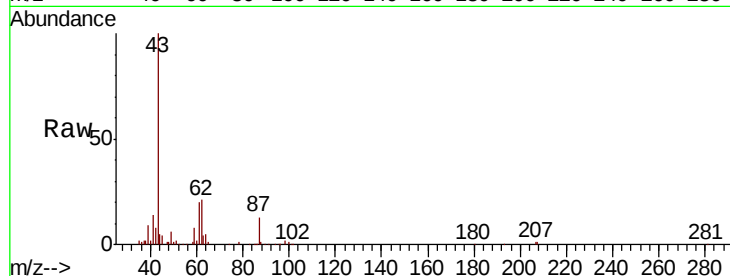
ClientSampleId :

VW0214SBS01

Tot Ion:	43	Resp:	100007
Ion	Ratio	Lower	Upper
43	100		
61	29.2	21.4	32.2
87	11.4	9.8	14.8

Manual Integrations
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MMDadoda
2/18/2019 12:10:49 AM



#44

Trichloroethene

Concen: 21.986 ug/l

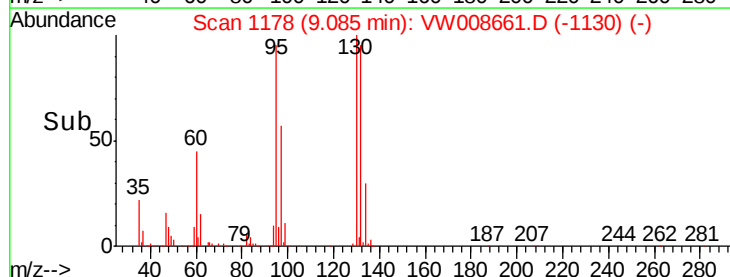
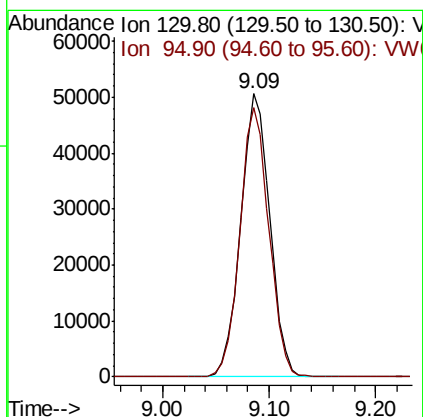
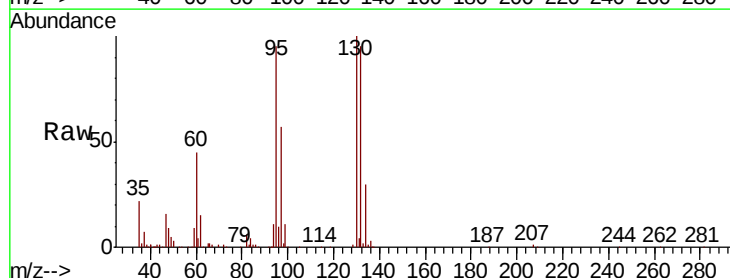
RT: 9.09 min Scan# 1178

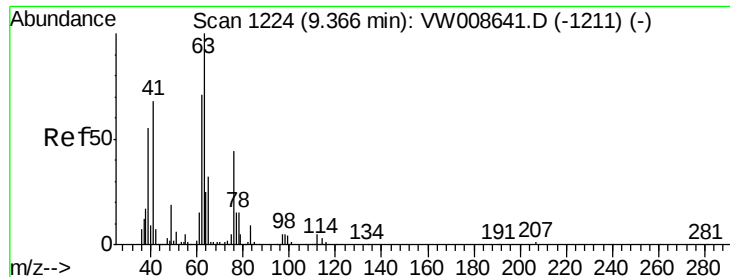
Delta R.T. -0.01 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion:	130	Resp:	97559
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	193.4





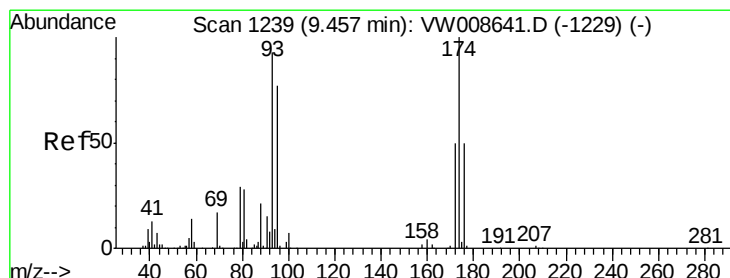
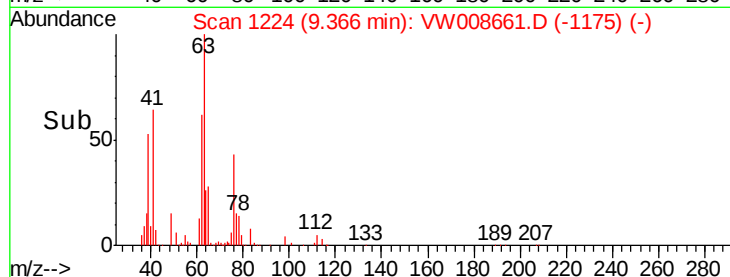
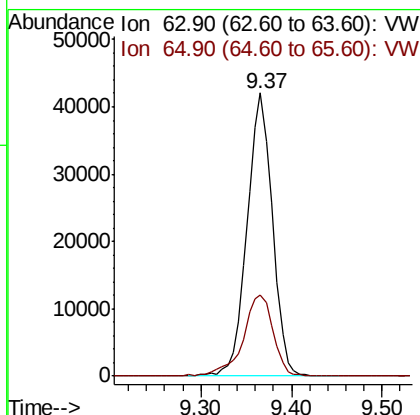
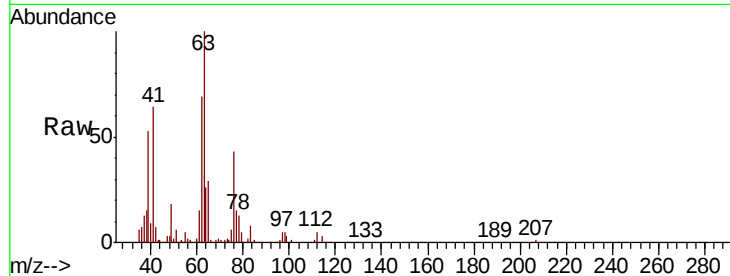
#45
 1,2-Dichloropropane
 Concen: 20.609 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.5	25.4	38.0

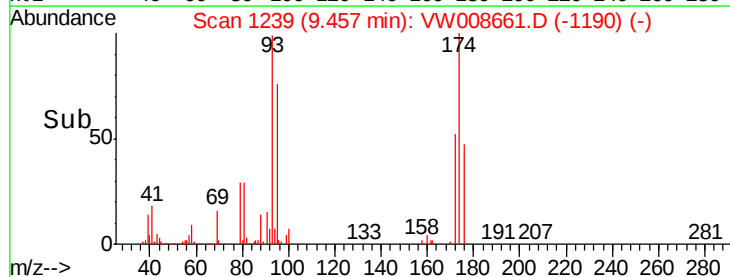
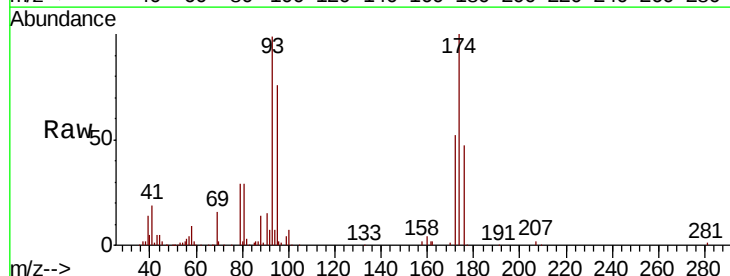
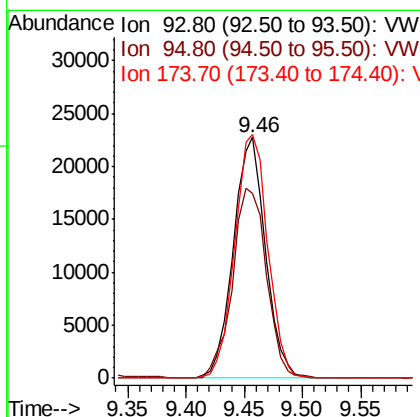
Manual Integrations
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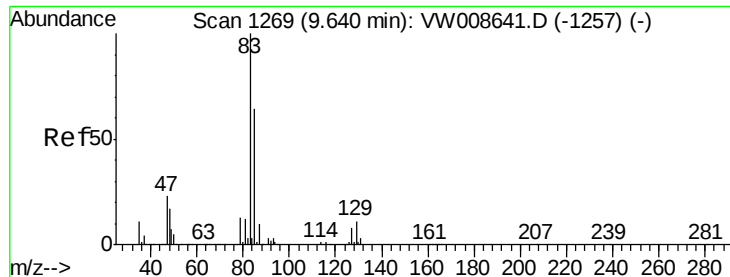
MMDadoda
 2/18/2019 12:10:49 AM



#46
 Dibromomethane
 Concen: 20.051 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	65.8	98.8
174	104.0	82.5	123.7





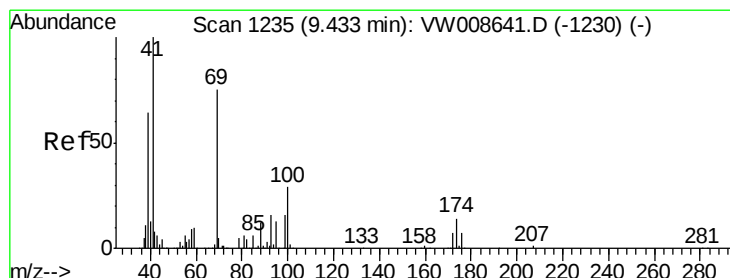
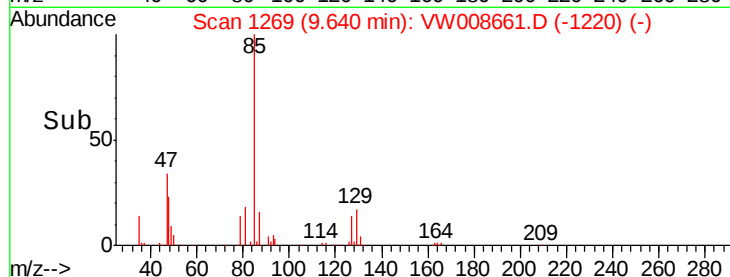
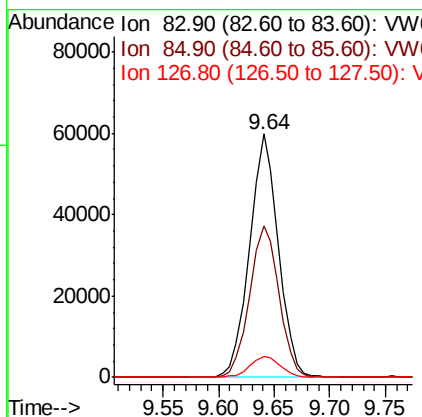
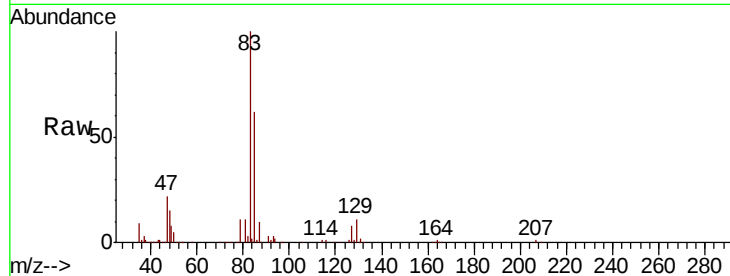
#47
Bromodichloromethane
Concen: 20.514 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.1	51.2	76.8	
127	8.4	6.4	9.6	

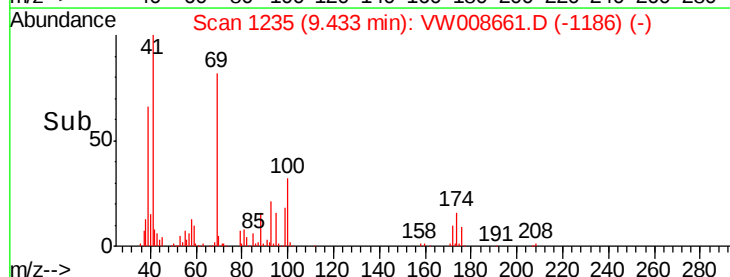
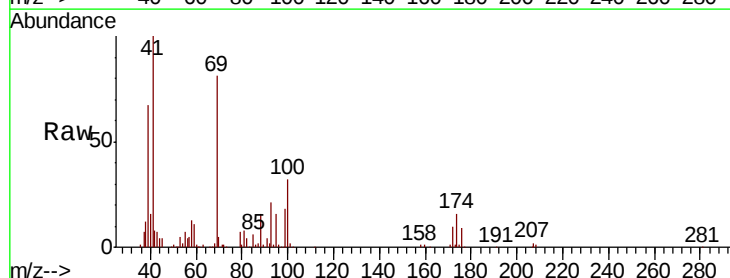
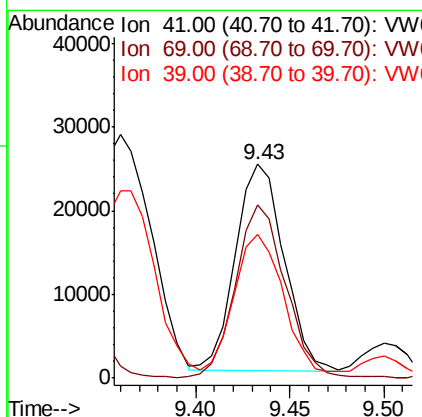
Manual Integrations
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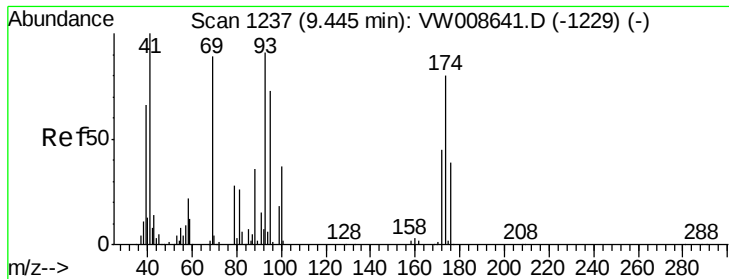
MMDadoda
2/18/2019 12:10:49 AM



#48
Methyl methacrylate
Concen: 16.886 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	87.1	64.1	96.1	
39	66.0	52.3	78.5	





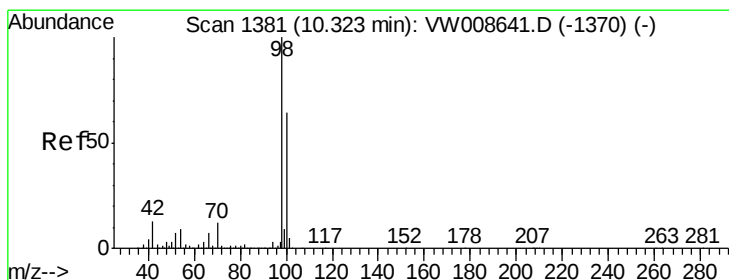
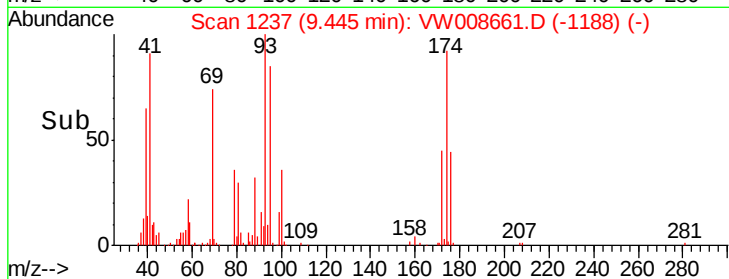
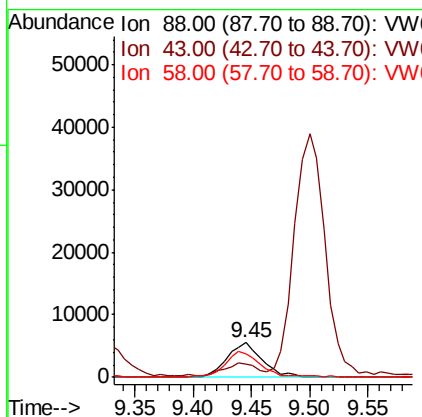
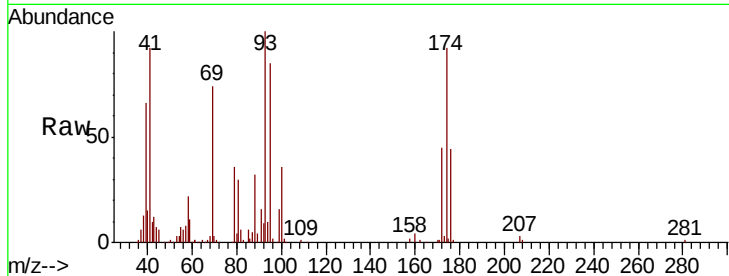
#49
1,4-Dioxane
Concen: 334.834 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	31.0	46.6
58	74.2	57.0	85.6

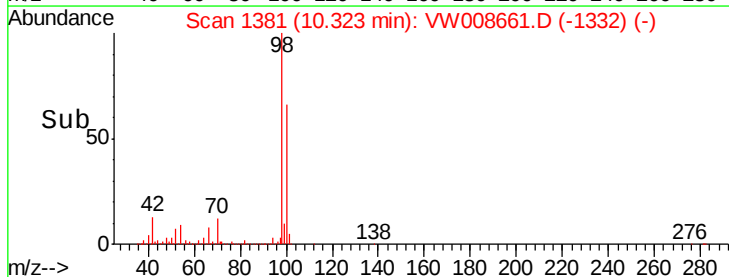
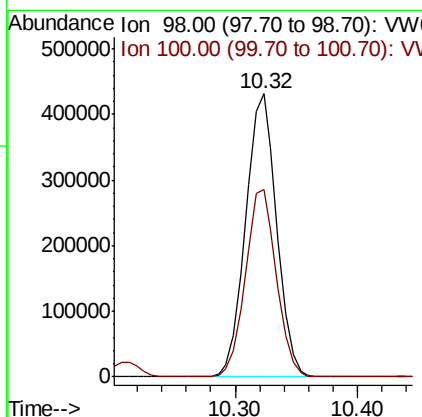
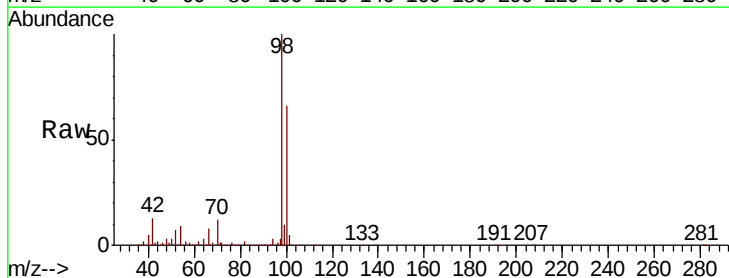
Manual Integrations
APPROVED

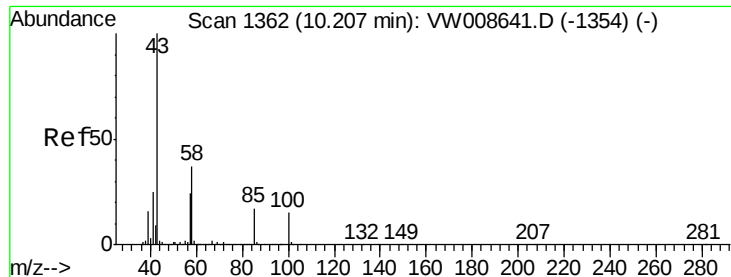
MMDadoda
2/18/2019 12:10:49 AM



#50
Toluene-d8
Concen: 54.313 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 84.651 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 43 Resp: 245097

Ion Ratio Lower Upper

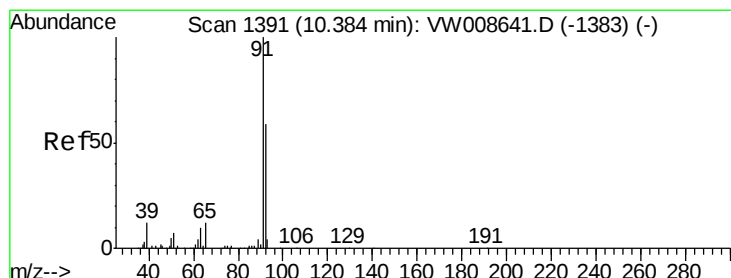
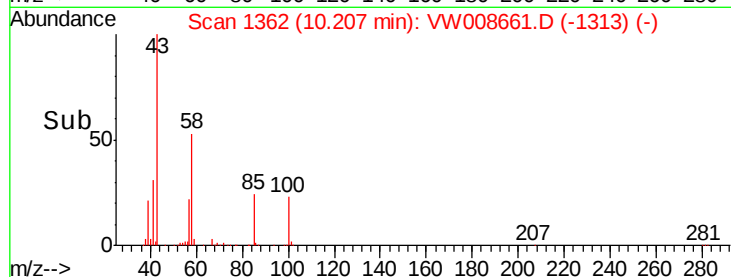
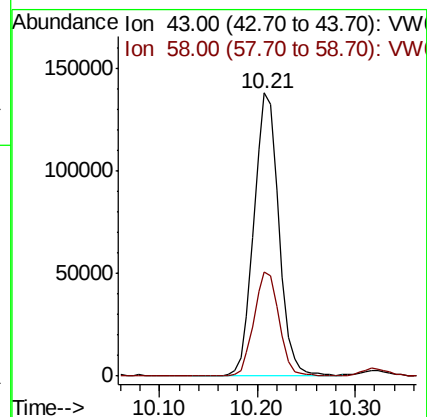
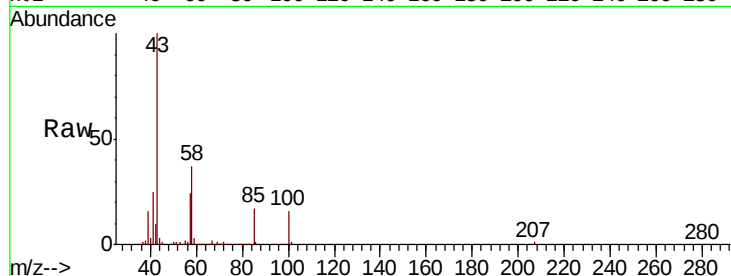
43 100

58 36.9 29.0 43.6

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#52

Toluene

Concen: 20.885 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008661.D

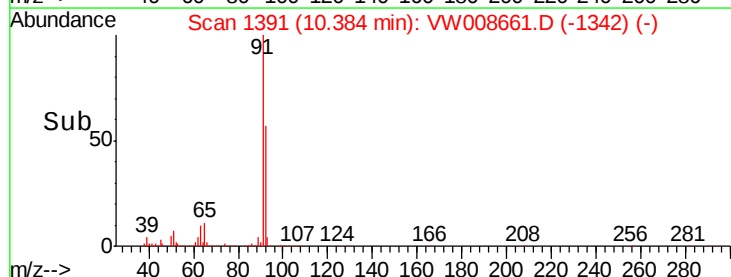
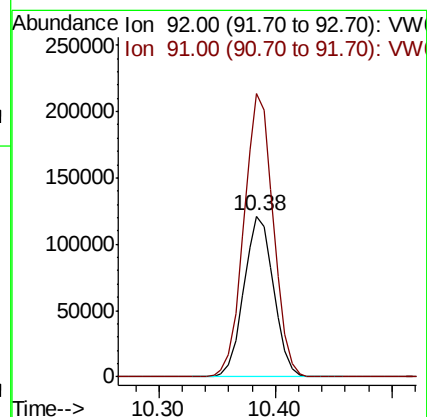
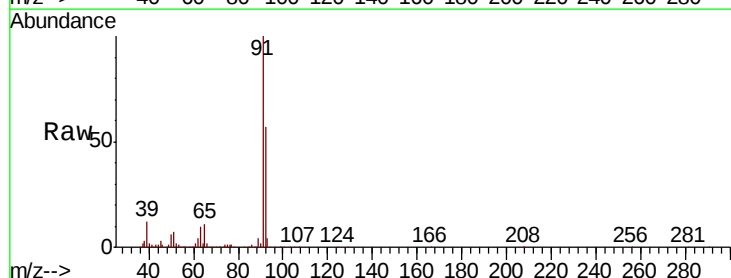
Acq: 14 Feb 2019 13:00

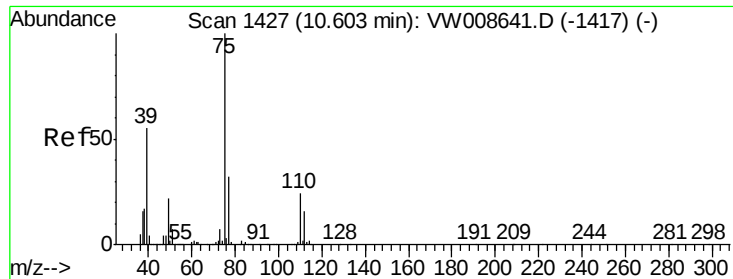
Tgt Ion: 92 Resp: 215621

Ion Ratio Lower Upper

92 100

91 173.9 135.8 203.6





#53

t-1,3-Dichloropropene

Concen: 19.341 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 75 Resp: 106541

Ion Ratio Lower Upper

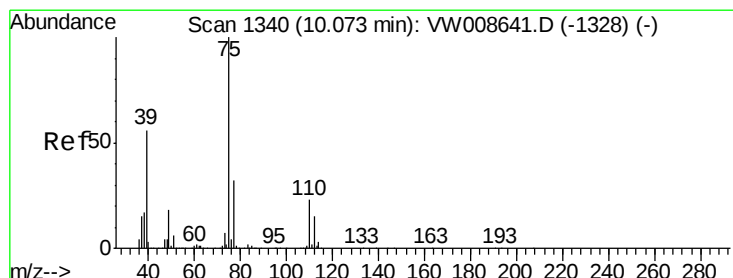
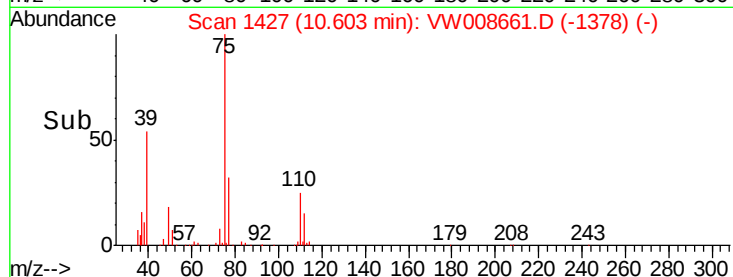
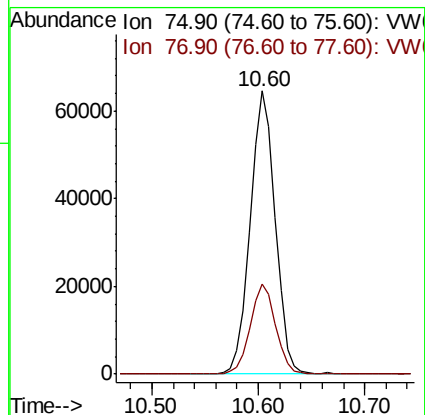
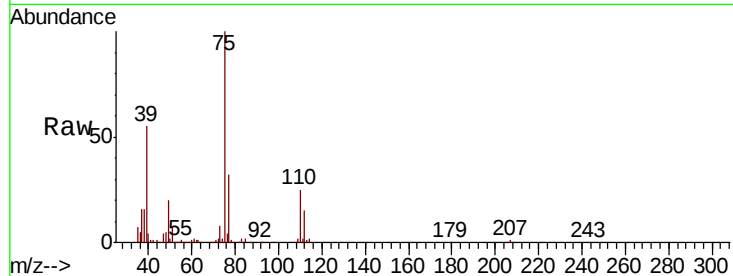
75 100

77 31.7 25.7 38.5

Manual Integrations
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2/18/2019 12:10:49 AM



#54

cis-1,3-Dichloropropene

Concen: 20.003 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

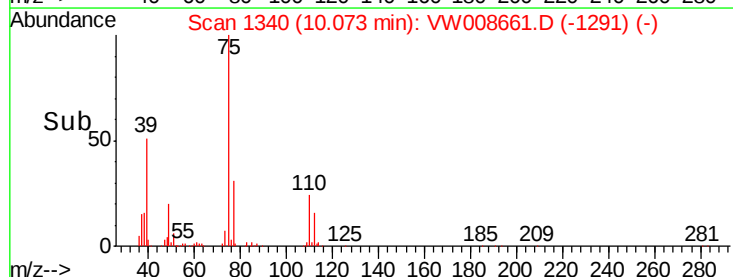
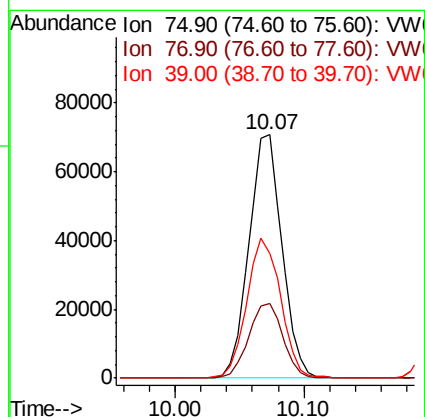
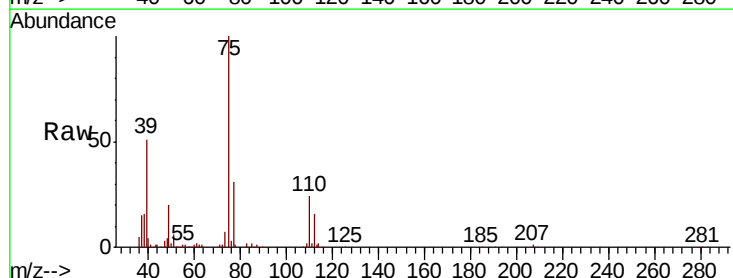
Tgt Ion: 75 Resp: 124908

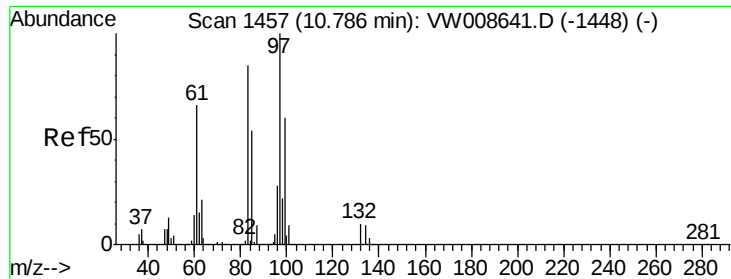
Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0

39 51.0 44.5 66.7





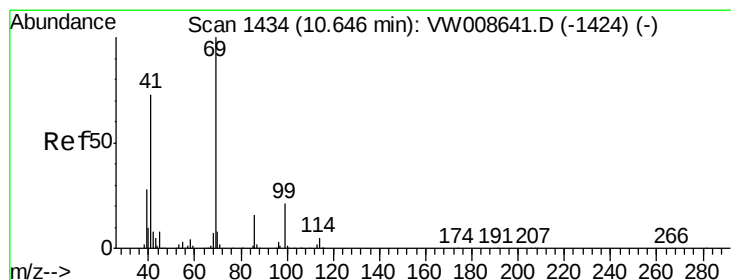
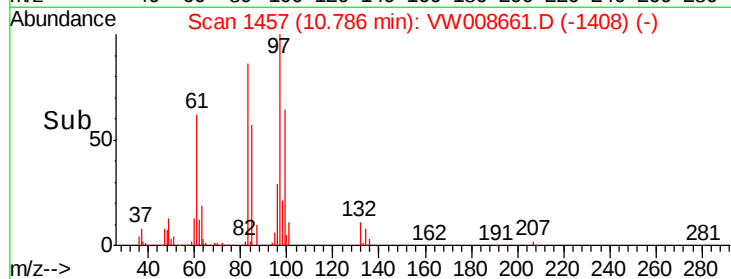
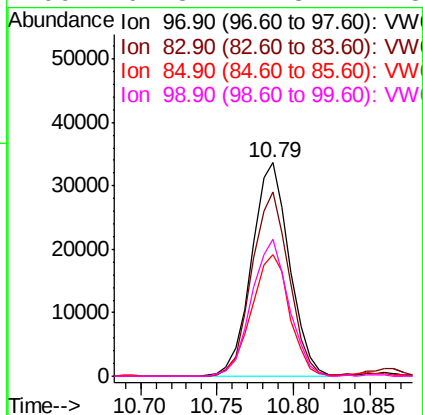
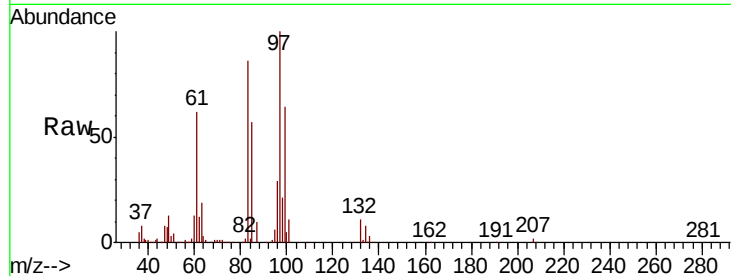
#55
 1,1,2-Trichloroethane
 Concen: 19.367 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0214SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		57978		
83	86.2	68.4	102.6		
85	56.7	43.1	64.7		
99	64.3	47.8	71.8		

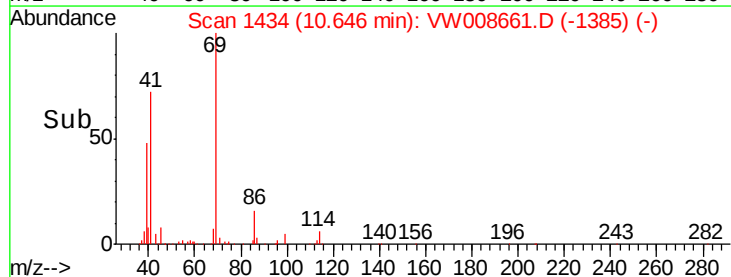
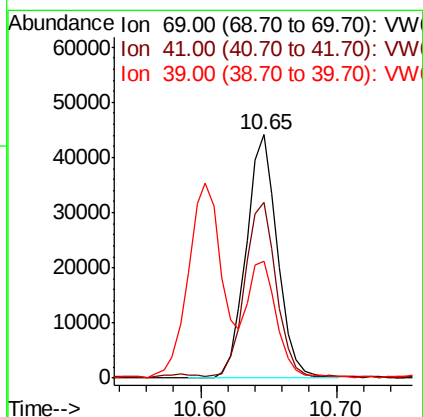
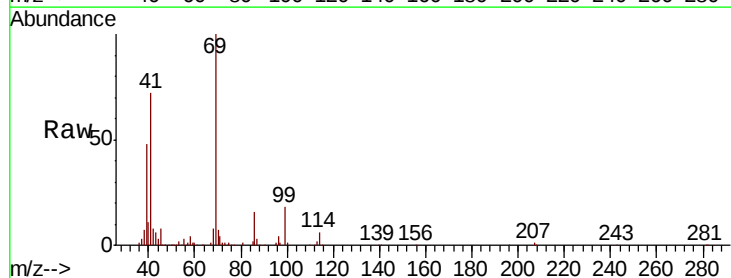
Manual Integrations
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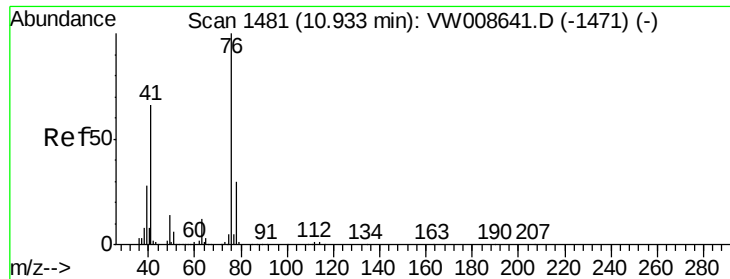
MMDadoda
 2/18/2019 12:10:49 AM



#56
 Ethyl methacrylate
 Concen: 17.898 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		71148		
41	70.8	59.0	88.4		
39	43.6	34.4	51.6		





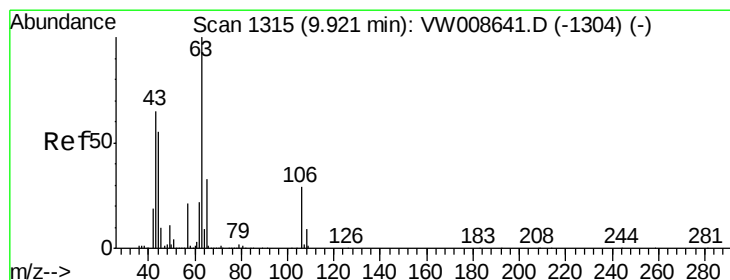
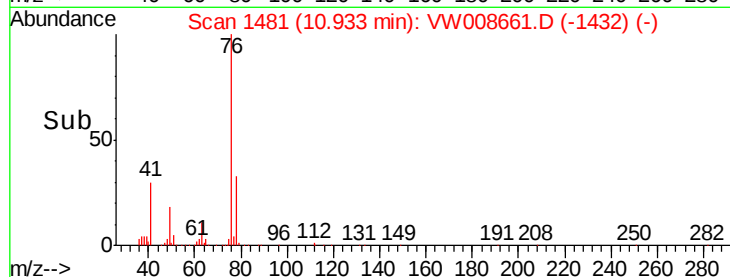
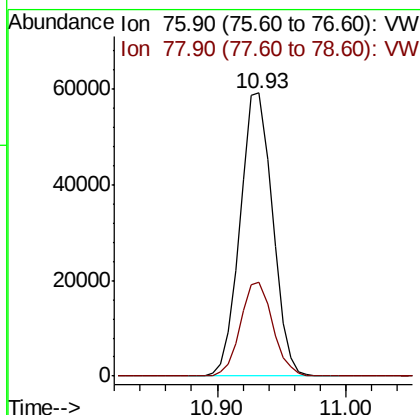
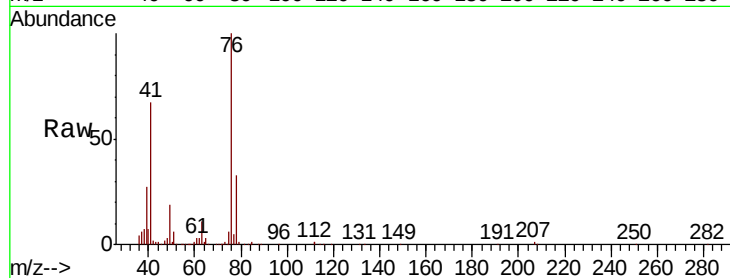
#57
 1,3-Dichloropropane
 Concen: 19.461 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	25.4	38.0

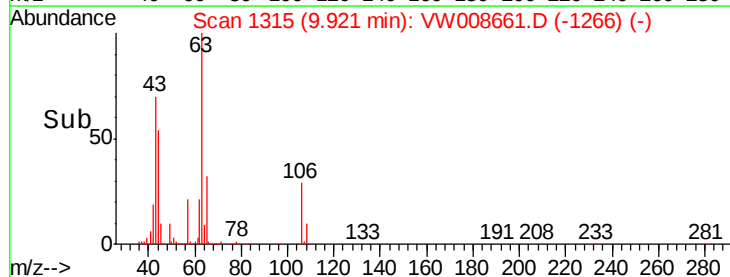
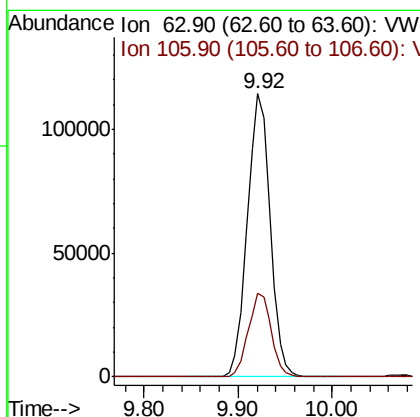
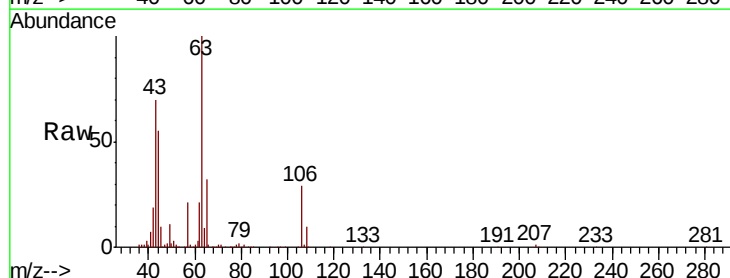
Manual Integrations
 APPROVED

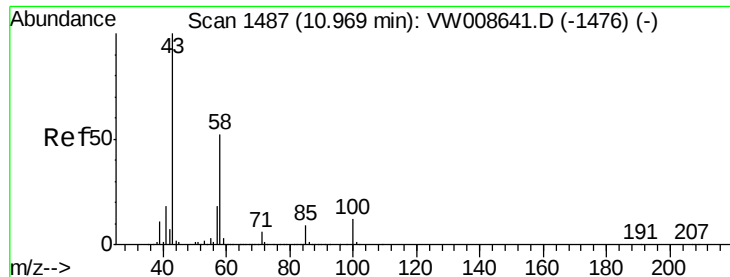
MMDadoda
 2/18/2019 12:10:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.506 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.4	35.2





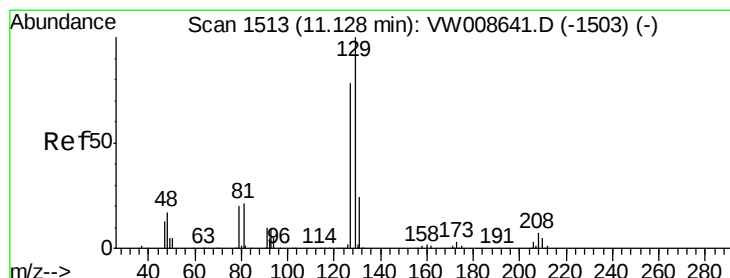
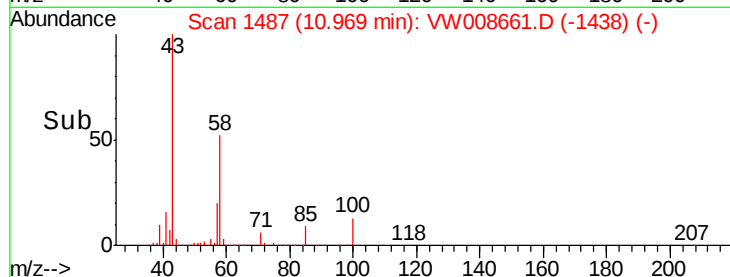
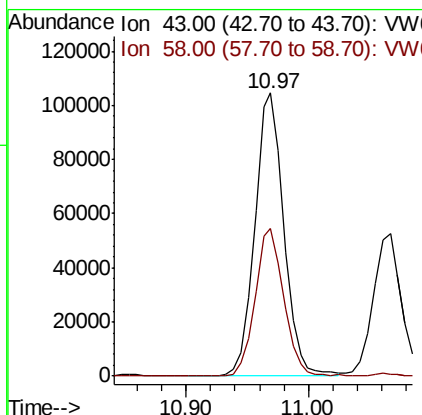
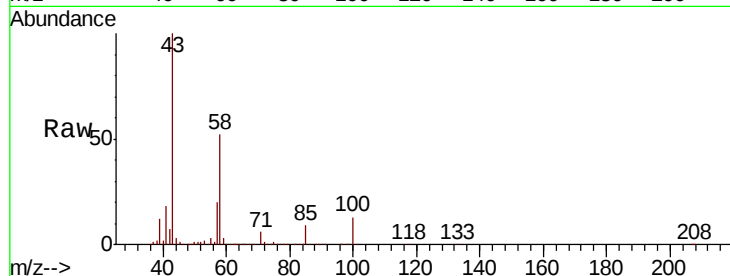
#59
2-Hexanone
Concen: 85.014 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion: 43 Resp: 172918
Ion Ratio Lower Upper
43 100
58 51.1 25.6 76.6

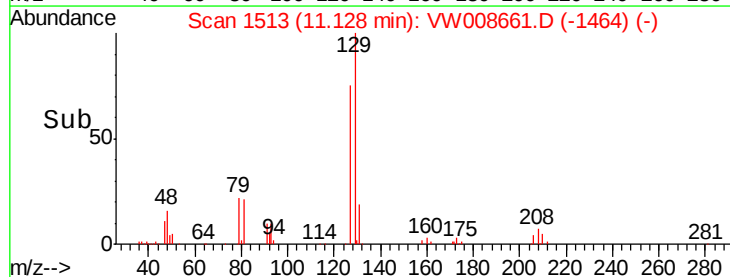
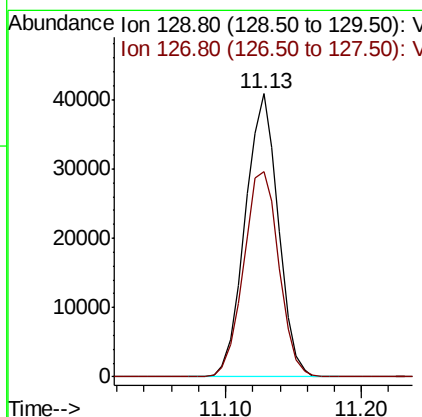
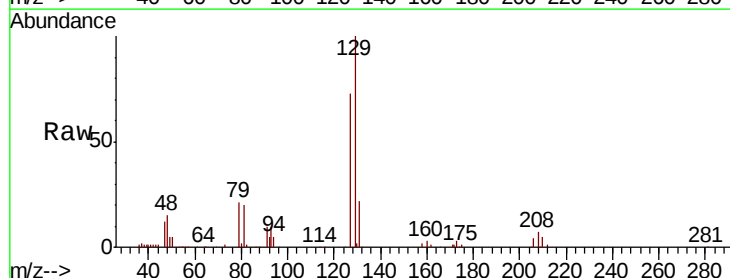
Manual Integrations
APPROVED

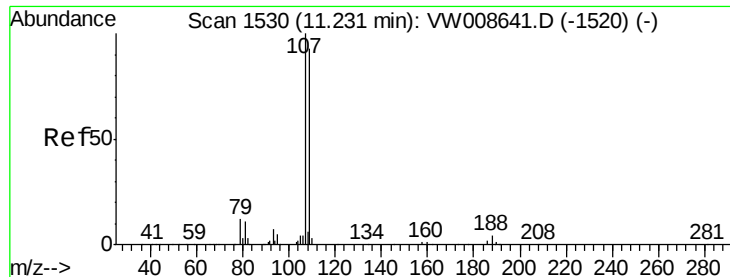
MMDadoda
2/18/2019 12:10:49 AM



#60
Dibromochloromethane
Concen: 19.378 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion: 129 Resp: 69410
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.3





#61

1,2-Dibromoethane

Concen: 19.178 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 107 Resp: 56527

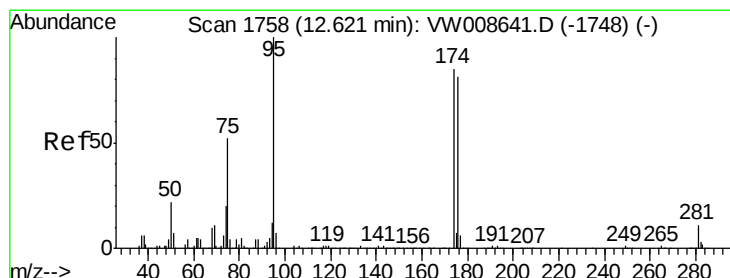
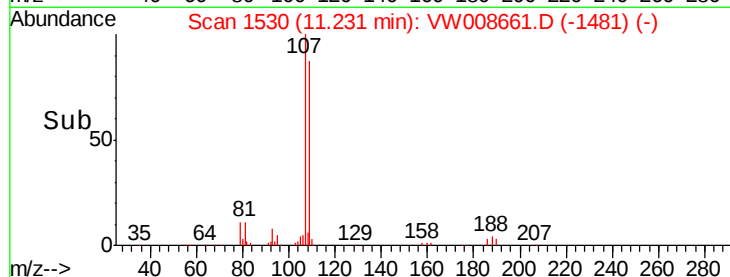
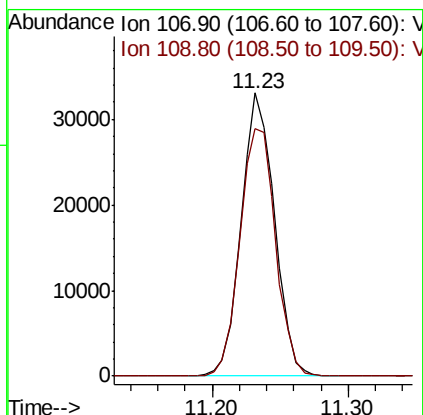
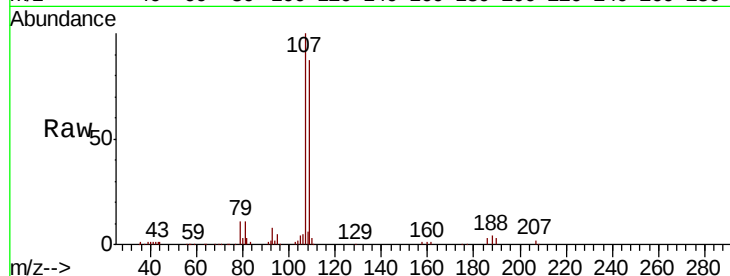
Ion Ratio Lower Upper

107 100

109 93.6 74.8 112.2

Manual Integrations
APPROVED

MMDadoda
2/18/2019 12:10:49 AM



#62

4-Bromofluorobenzene

Concen: 51.210 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

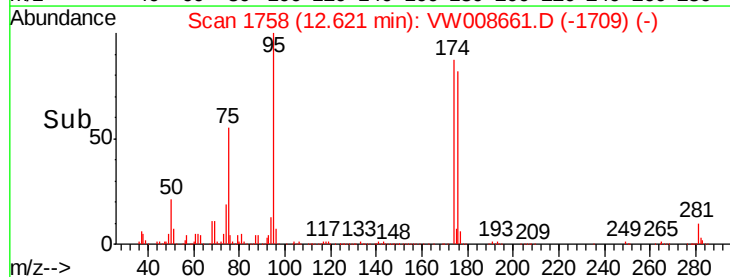
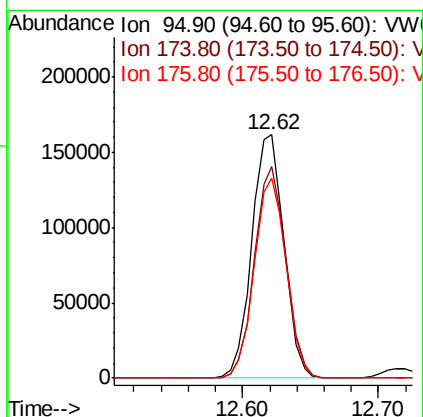
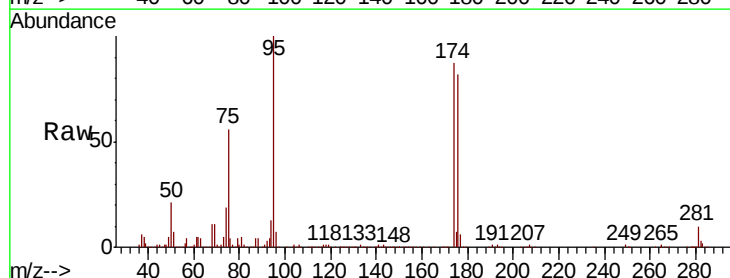
Tgt Ion: 95 Resp: 269298

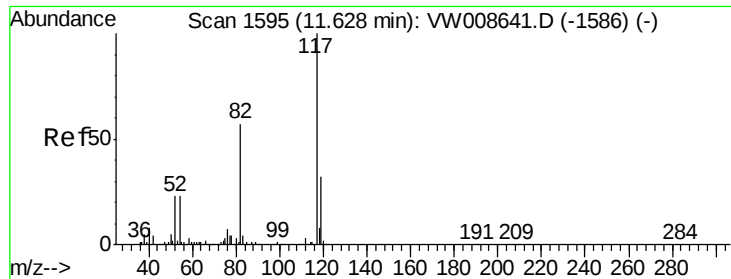
Ion Ratio Lower Upper

95 100

174 84.9 0.0 163.2

176 81.5 0.0 158.0





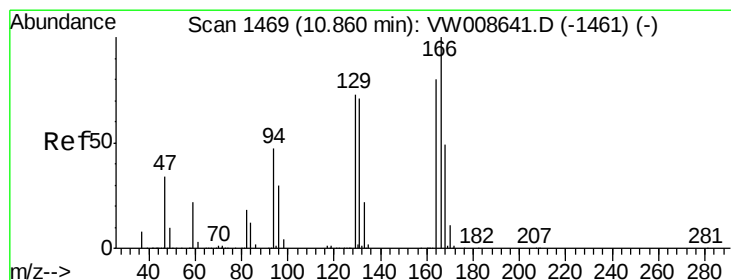
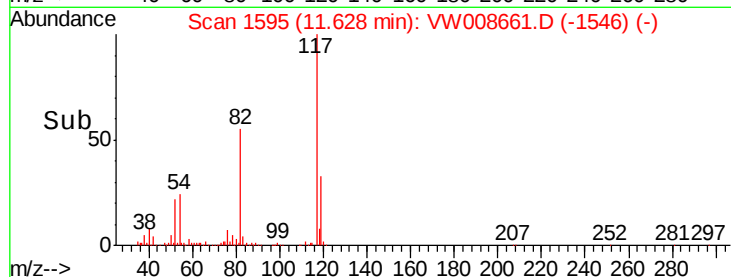
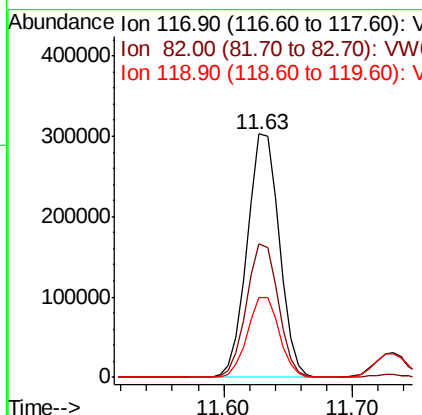
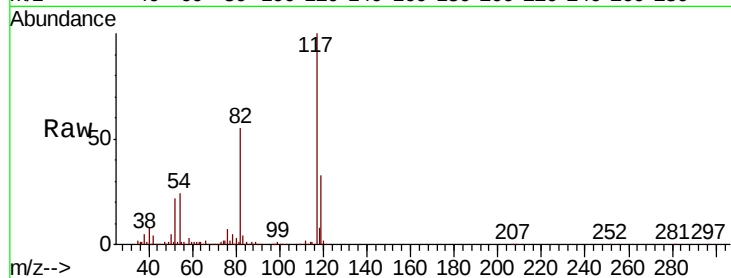
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.6	68.4
119	32.5	25.7	38.5

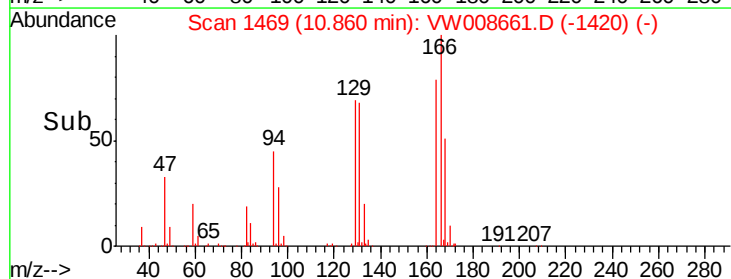
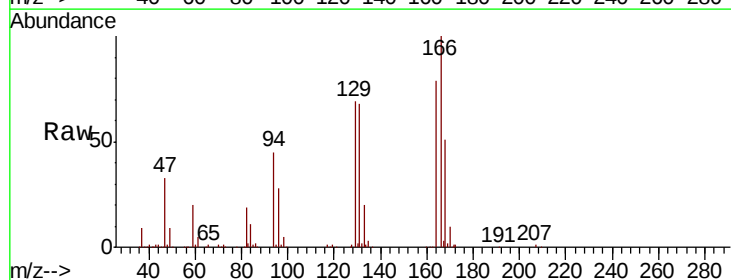
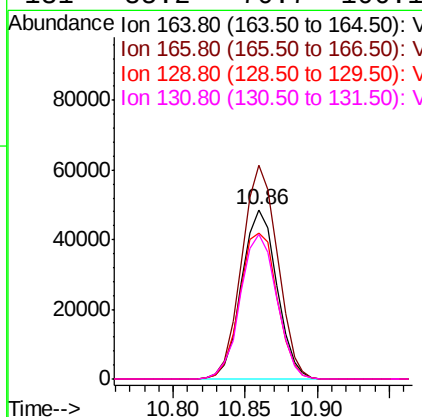
Manual Integrations
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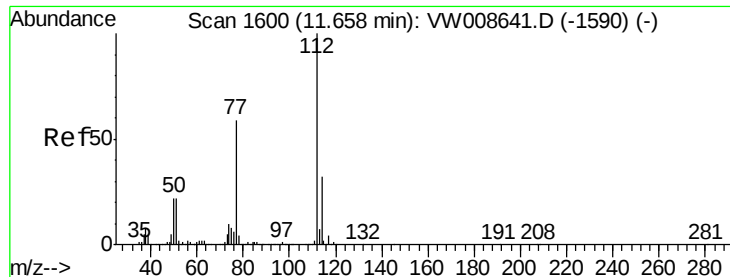
MMDadoda
2/18/2019 12:10:49 AM



#64
Tetrachloroethene
Concen: 21.341 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.0	100.2	150.2
129	86.3	73.6	110.4
131	85.2	70.7	106.1





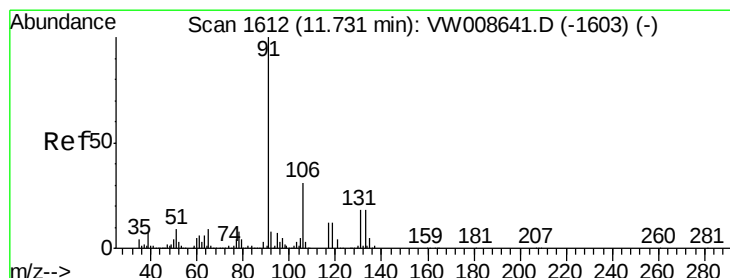
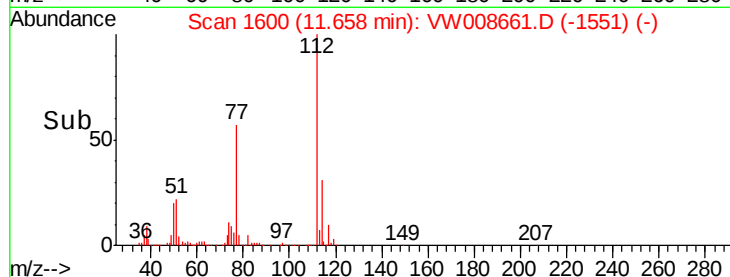
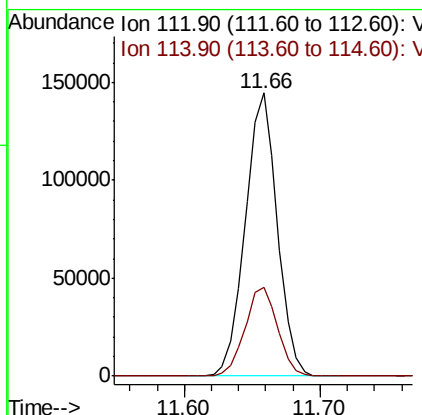
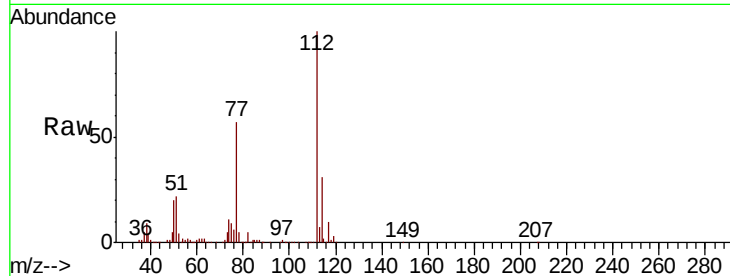
#65
Chlorobenzene
Concen: 21.232 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion:112 Resp: 237649
Ion Ratio Lower Upper
112 100
114 31.3 25.7 38.5

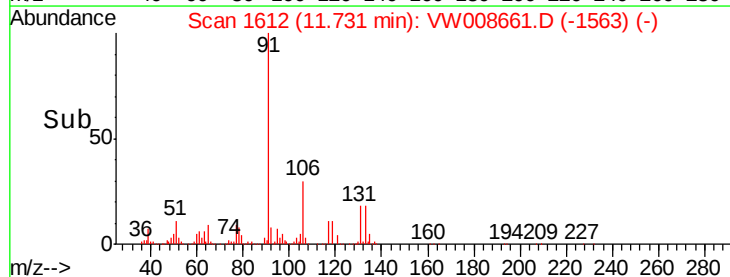
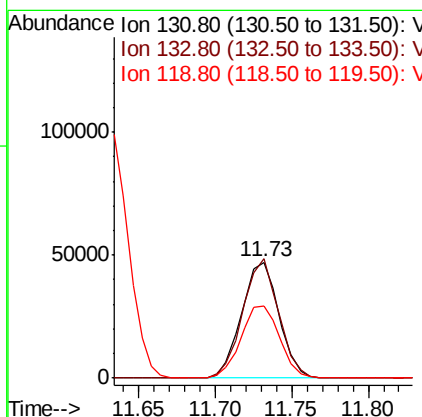
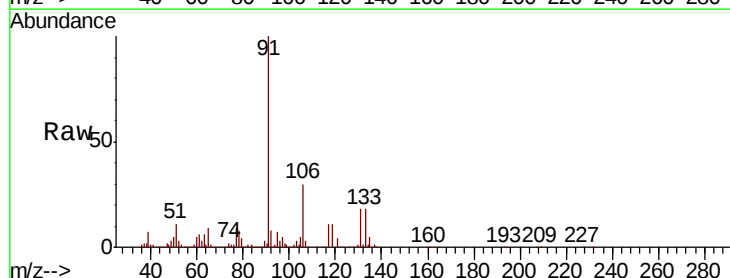
Manual Integrations
APPROVED

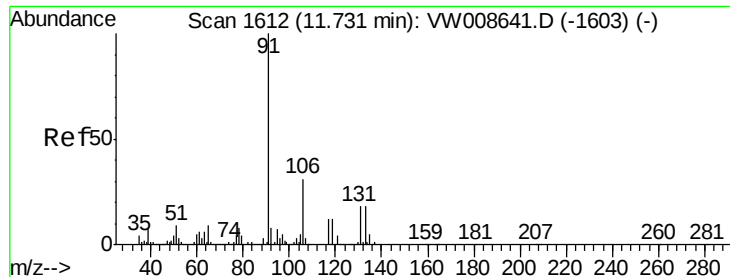
MMDadoda
2/18/2019 12:10:49 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.152 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion:131 Resp: 79904
Ion Ratio Lower Upper
131 100
133 99.5 47.8 143.4
119 64.4 31.6 94.8





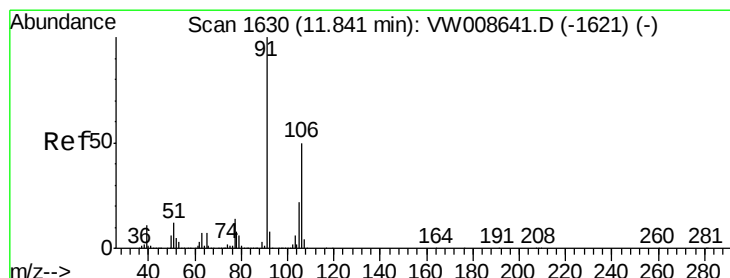
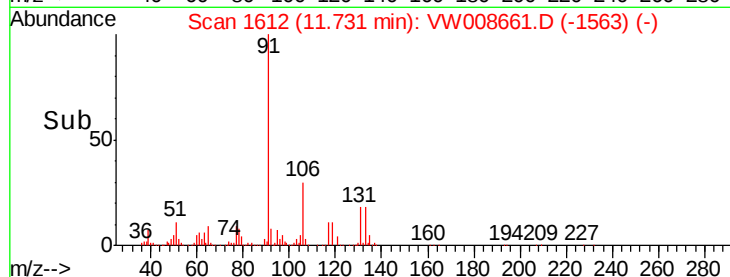
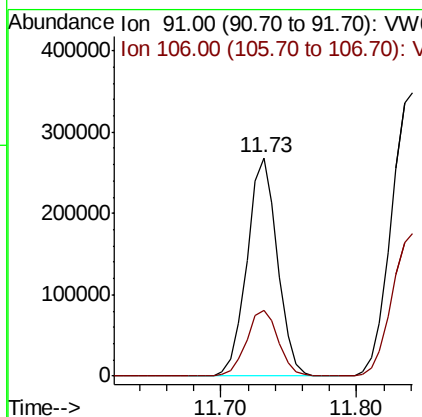
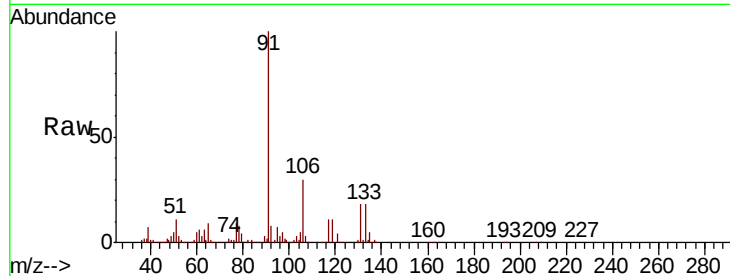
#67
Ethyl Benzene
Concen: 21.115 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.5	36.7

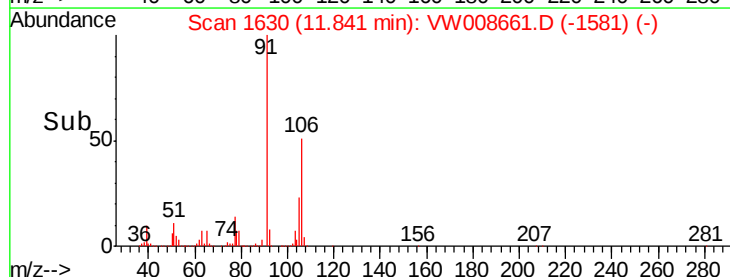
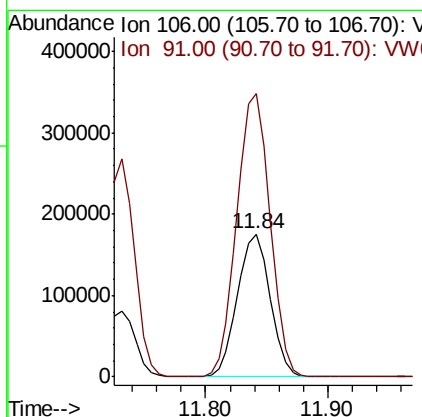
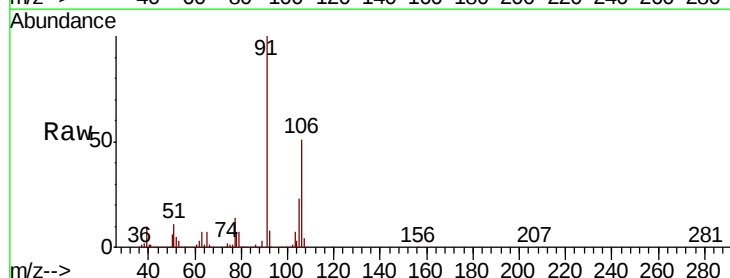
Manual Integrations
APPROVED

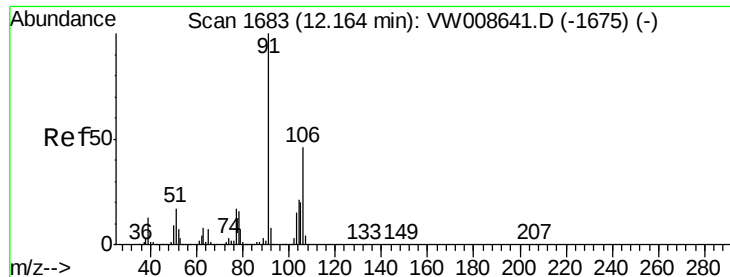
MMDadoda
2/18/2019 12:10:49 AM



#68
m/p-Xylenes
Concen: 42.068 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.6	161.0	241.4





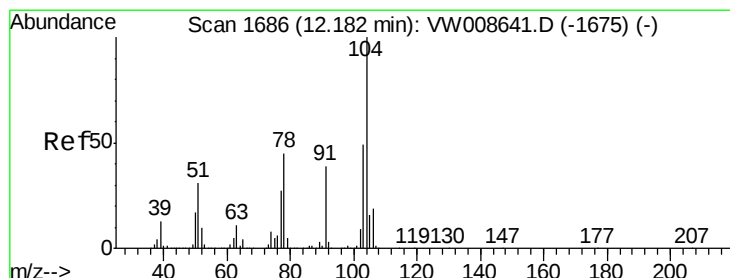
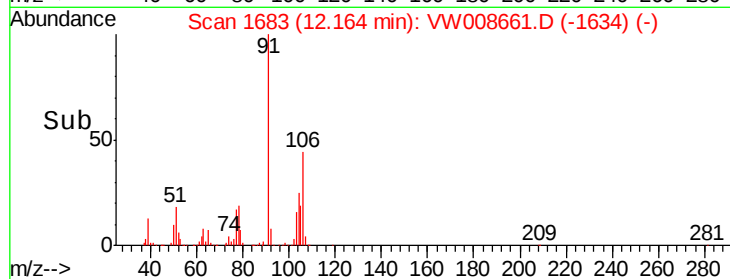
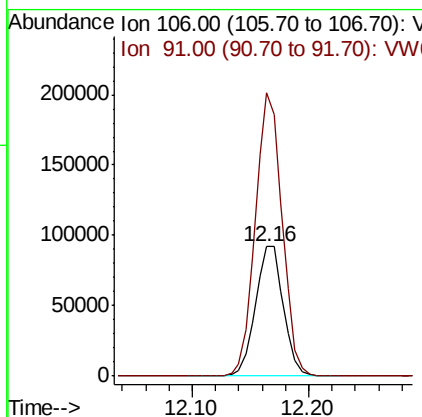
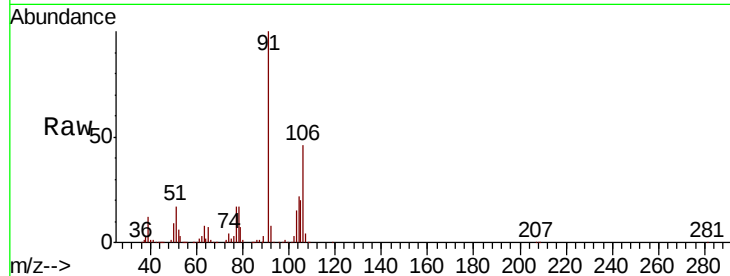
#69
o-Xylene
Concen: 20.867 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.2	106.7	320.1

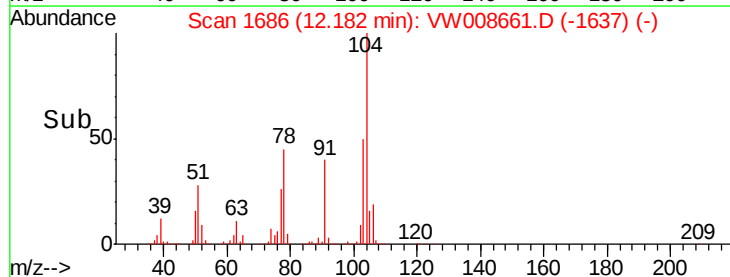
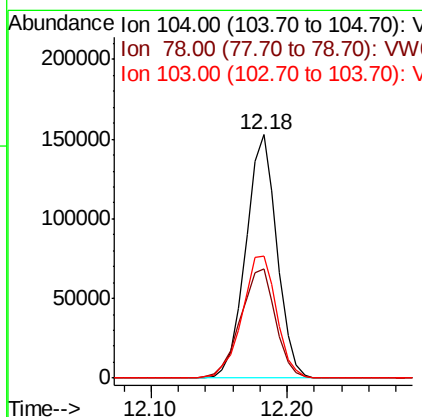
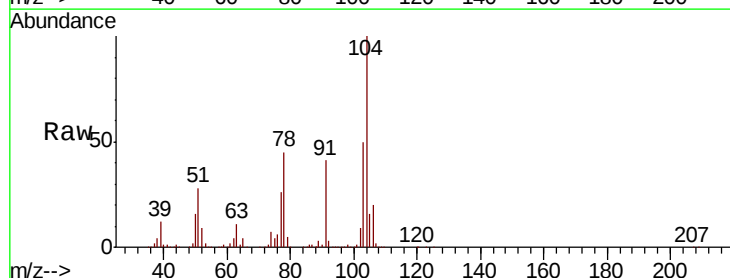
Manual Integrations
APPROVED

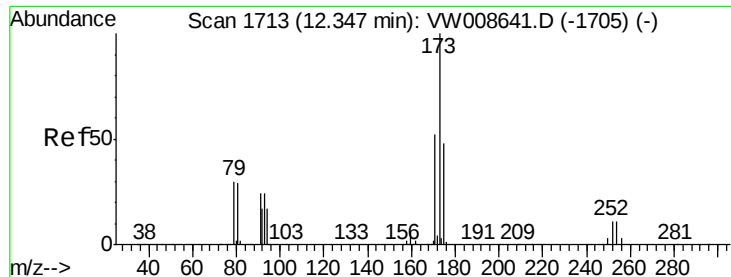
MMDadoda
2/18/2019 12:10:49 AM



#70
Styrene
Concen: 20.388 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.6	41.5	62.3
103	55.7	43.5	65.3





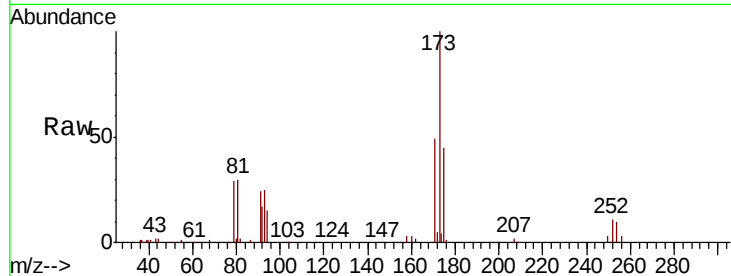
#71
Bromoform
Concen: 18.373 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	24.9	74.7
254	0.0	0.1	0.1#

Manual Integrations
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MMDadoda
2/18/2019 12:10:49 AM

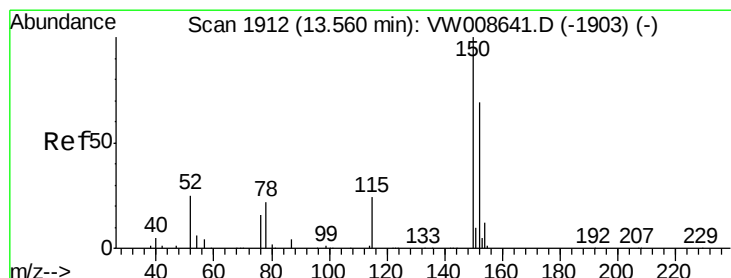
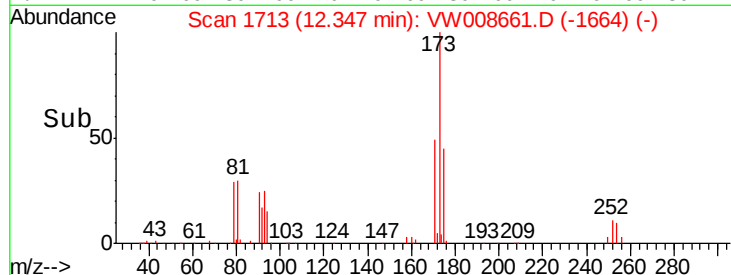
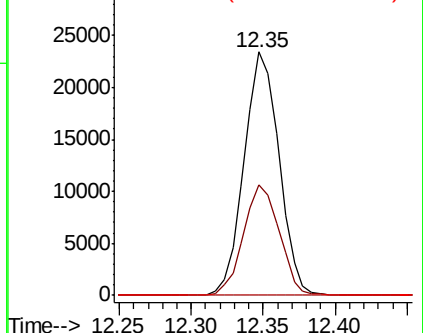


Abundance

Ion 172.70 (172.40 to 173.40): V

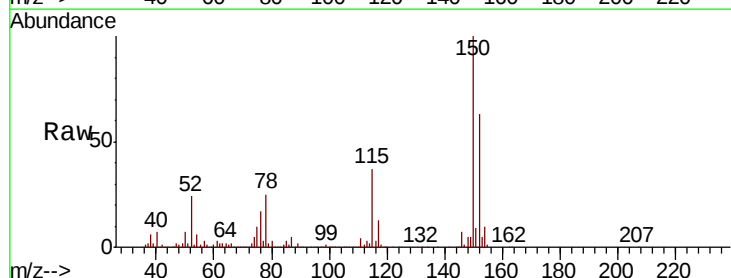
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	29.3	87.8
150	162.1	0.0	352.8

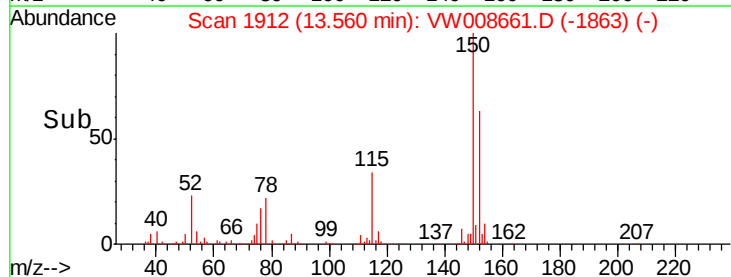
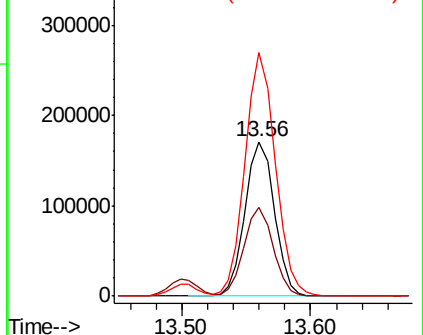


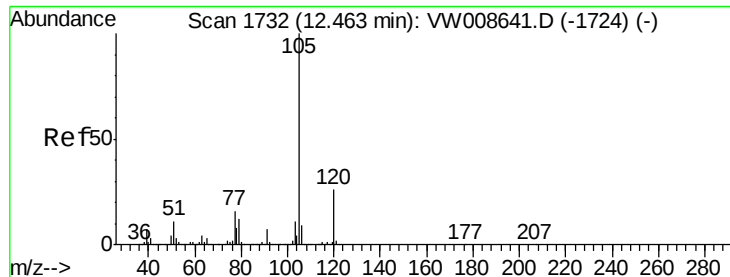
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.201 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

ClientSampleId :

VW0214SBS01

Tot Ion: 105 Resp: 427016

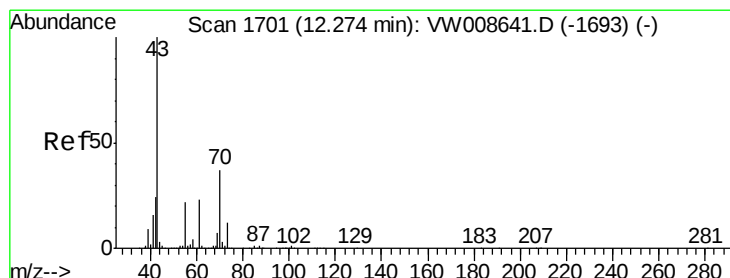
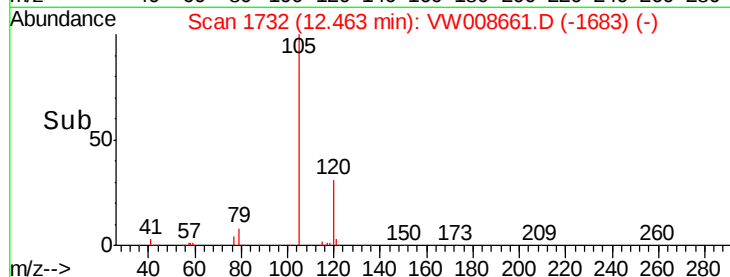
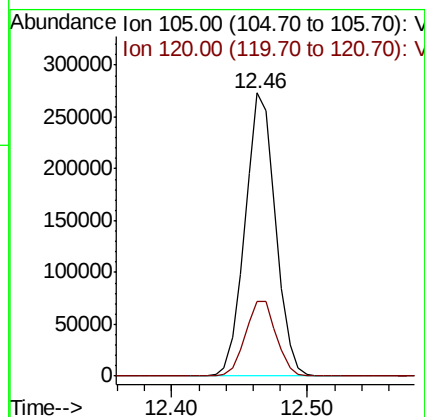
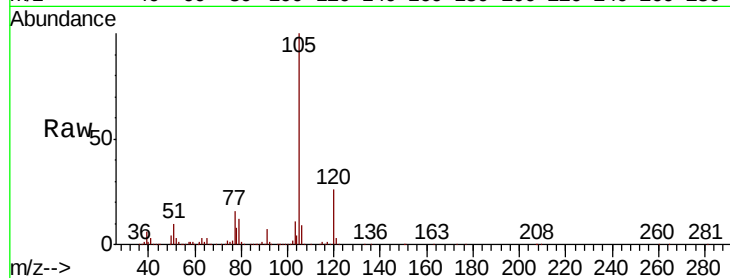
Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6

Manual Integrations
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2/18/2019 12:10:49 AM



#74

N-ethyl acetate

Concen: 17.268 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion: 43 Resp: 94053

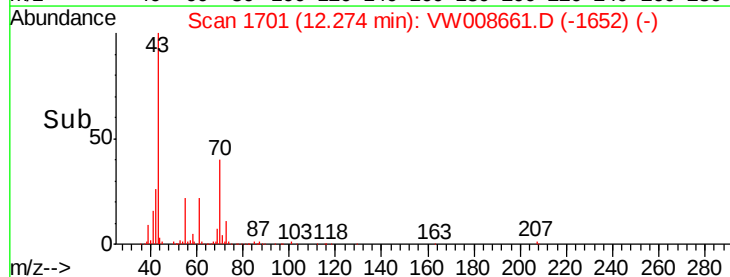
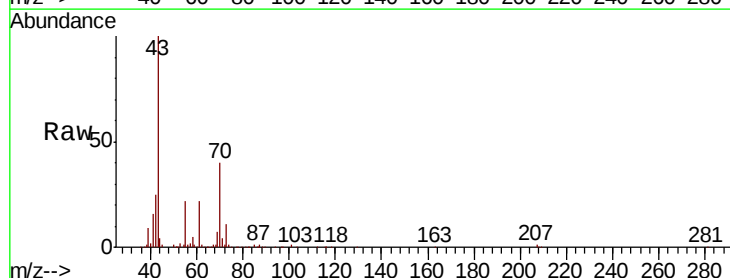
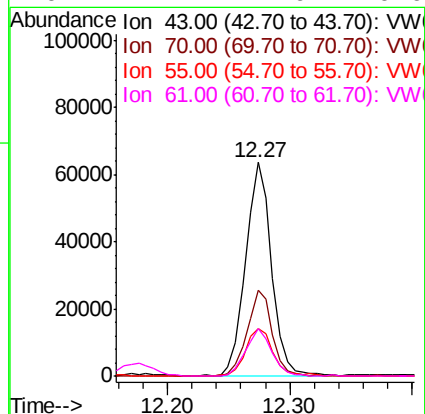
Ion Ratio Lower Upper

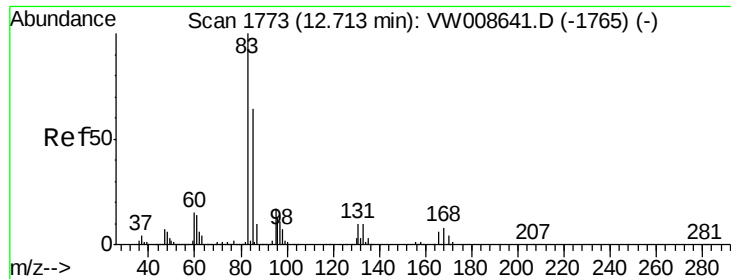
43 100

70 38.2 30.5 45.7

55 23.7 17.6 26.4

61 22.1 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.950 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

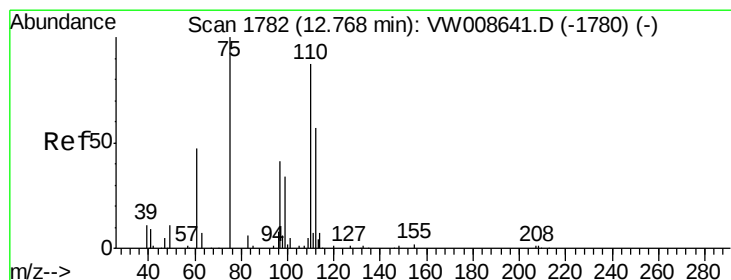
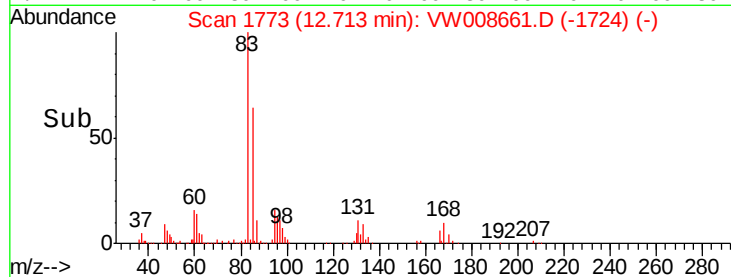
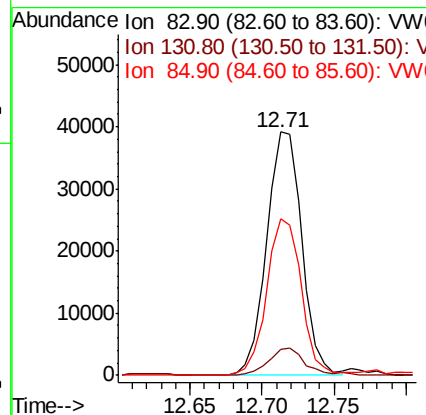
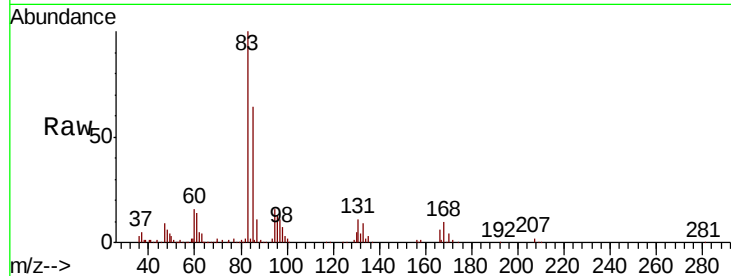
ClientSampleId :

VW0214SBS01

Tot Ion:	83	Resp:	66406
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.5	16.7
85	63.4	31.8	95.3

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2/18/2019 12:10:49 AM



#76

1,2,3-Trichloropropane

Concen: 17.214 ug/l m

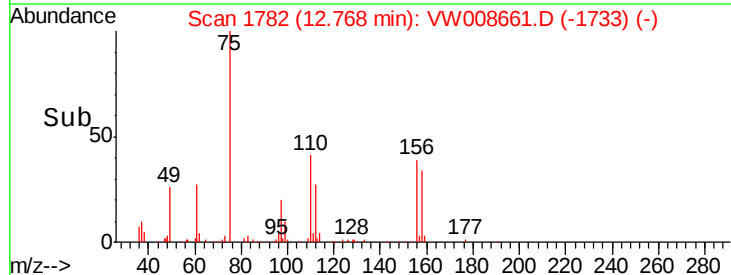
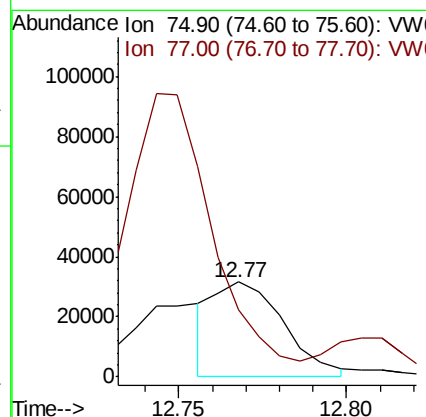
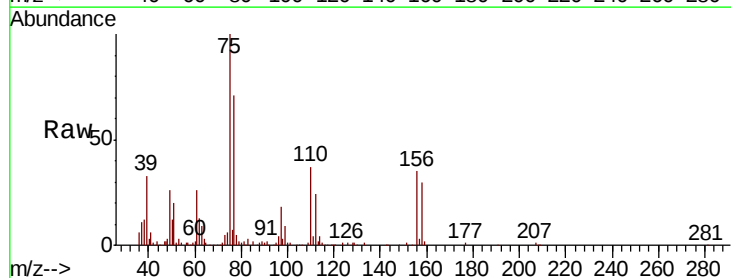
RT: 12.77 min Scan# 1782

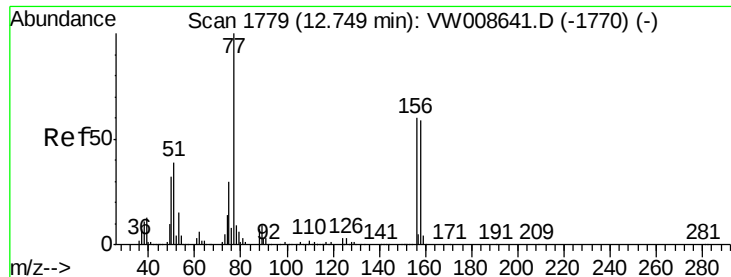
Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion:	75	Resp:	45963
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.894 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

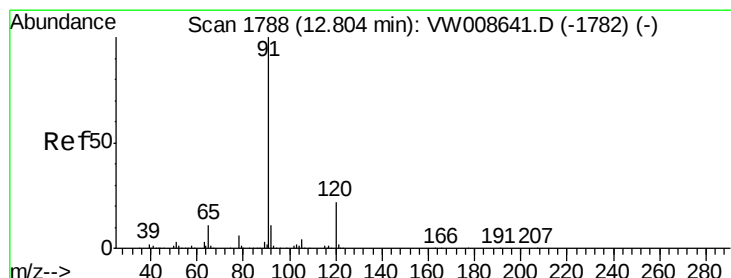
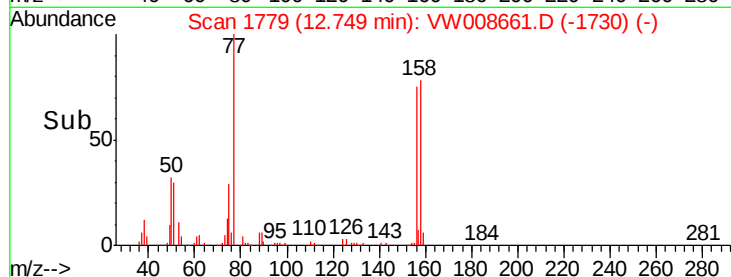
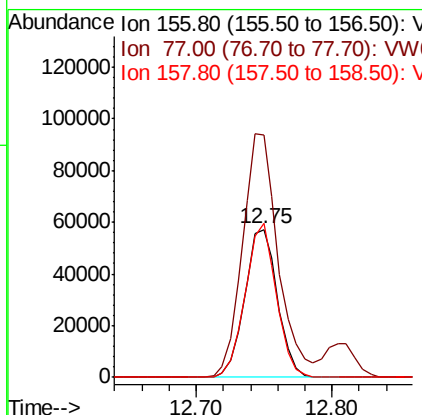
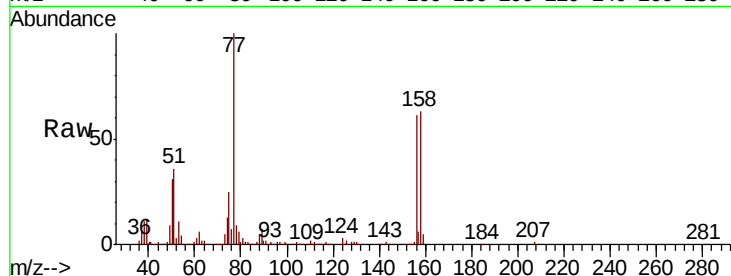
ClientSampleId :

VW0214SBS01

Tot Ion:	156	Resp:	96738
Ion	Ratio	Lower	Upper
156	100		
77	178.5	93.2	279.5
158	98.1	48.5	145.5

Manual Integrations
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2/18/2019 12:10:49 AM



#78

n-propylbenzene

Concen: 21.396 ug/l

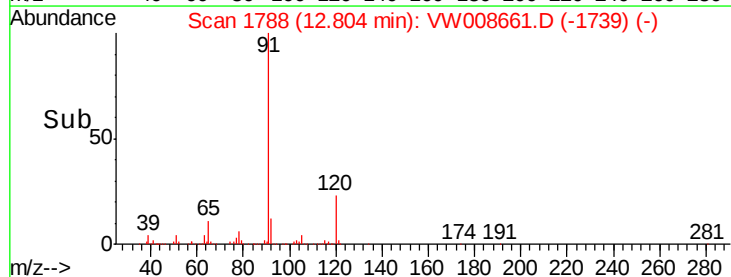
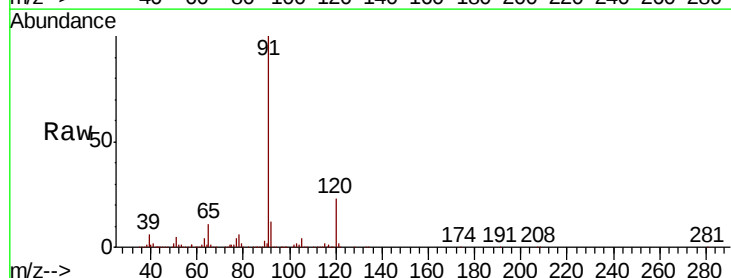
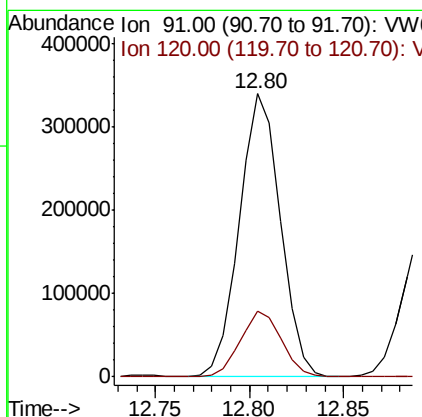
RT: 12.80 min Scan# 1788

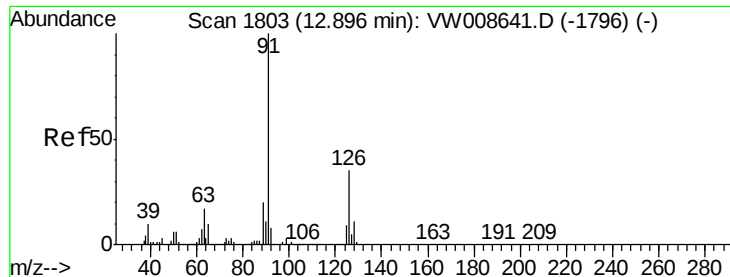
Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion:	91	Resp:	512044
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.4	34.2





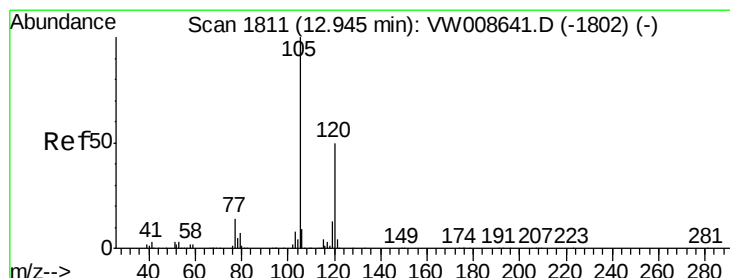
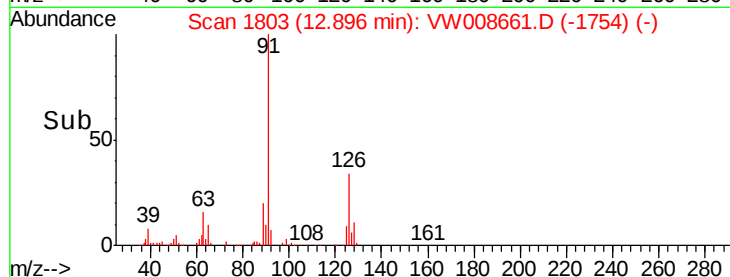
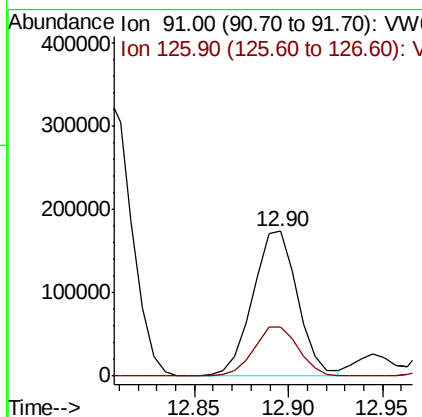
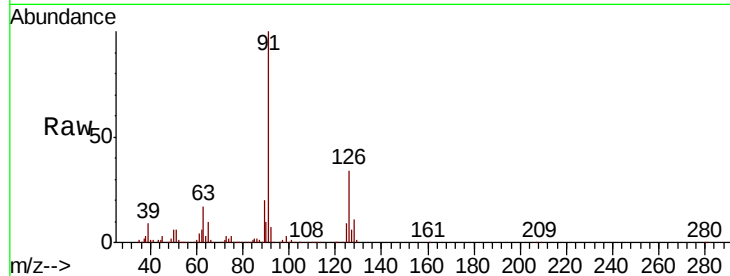
#79
 2-Chlorotoluene
 Concen: 21.196 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion: 91 Resp: 286687
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.0 50.9

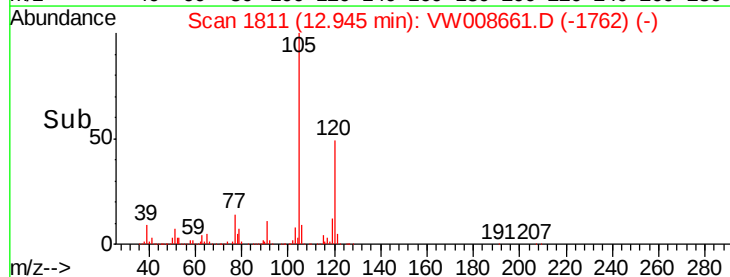
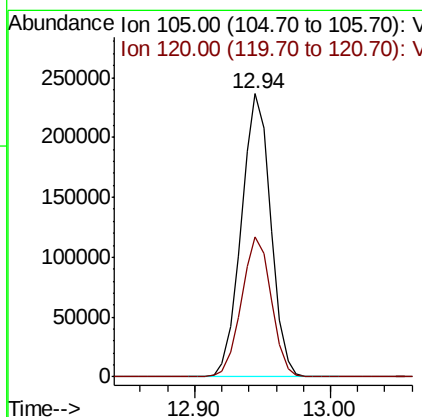
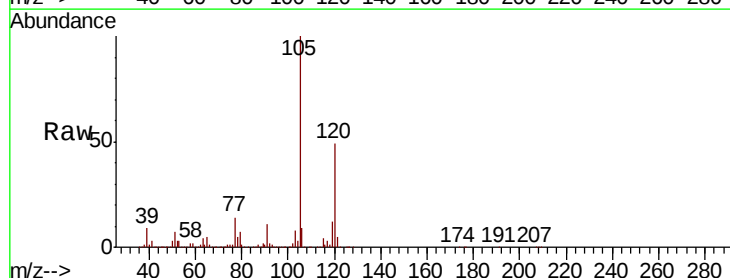
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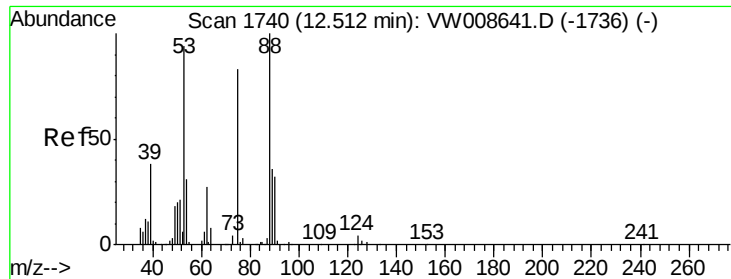
MMDadoda
 2/18/2019 12:10:49 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.370 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion: 105 Resp: 357524
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.6 73.8





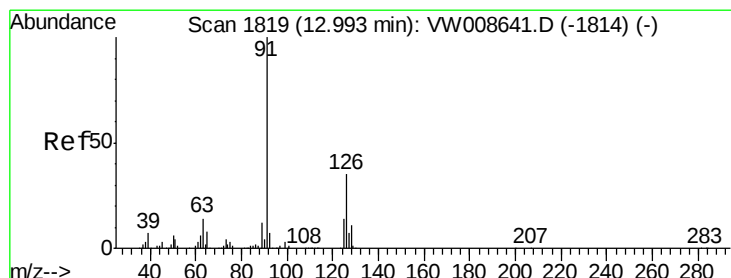
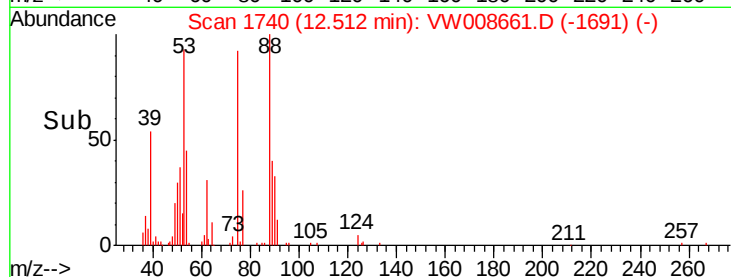
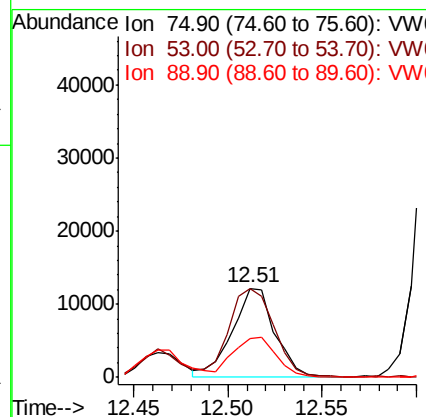
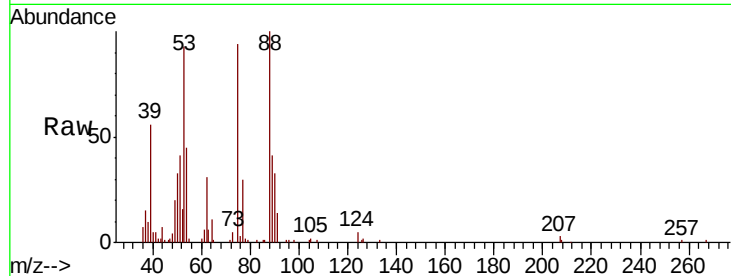
#81
trans-1,4-Dichloro-2-butene
Concen: 17.500 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.2	87.4	131.0
89	45.7	37.0	55.4

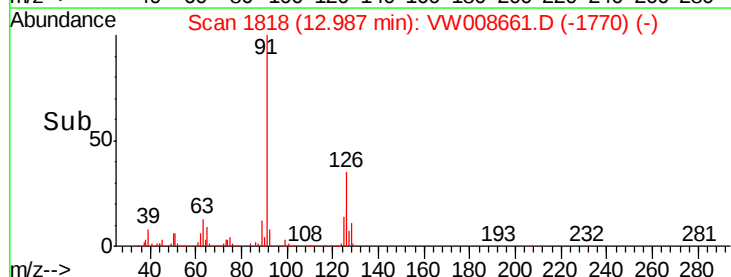
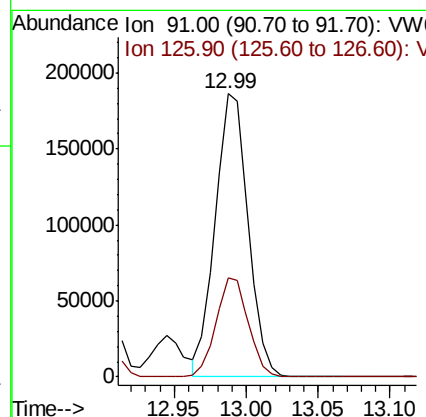
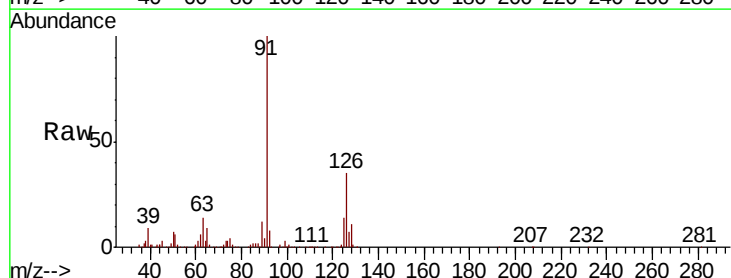
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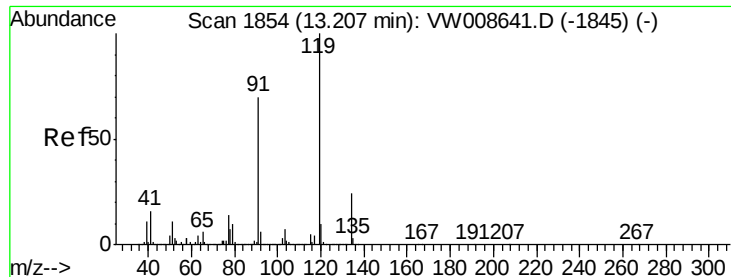
MMDadoda
2/18/2019 12:10:49 AM



#82
4-Chlorotoluene
Concen: 20.765 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.9	50.7





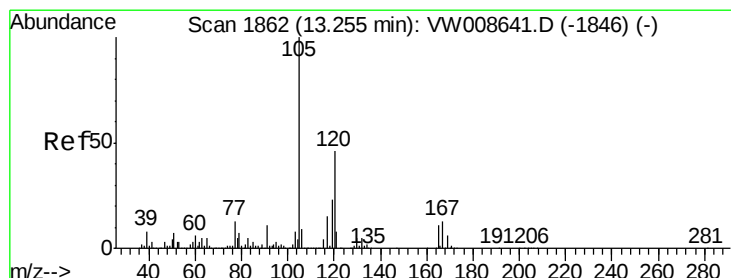
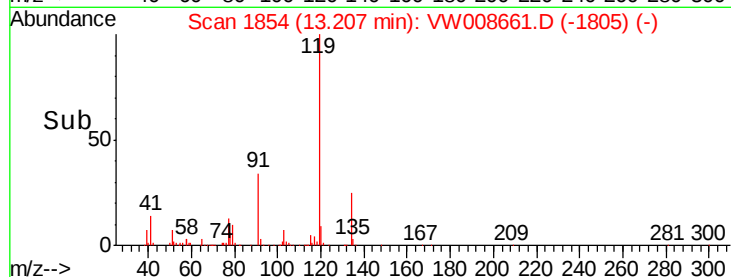
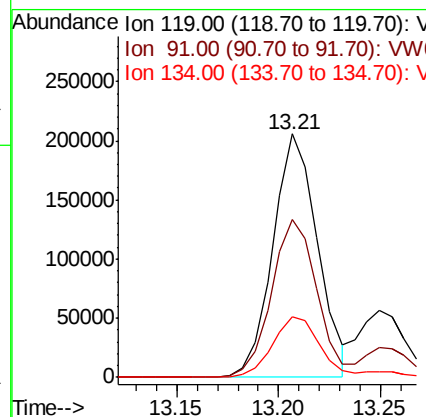
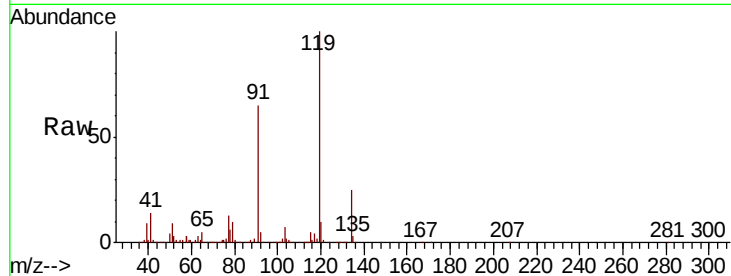
#83
tert-Butylbenzene
Concen: 21.630 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	34.0	102.0
134	26.1	13.6	40.8

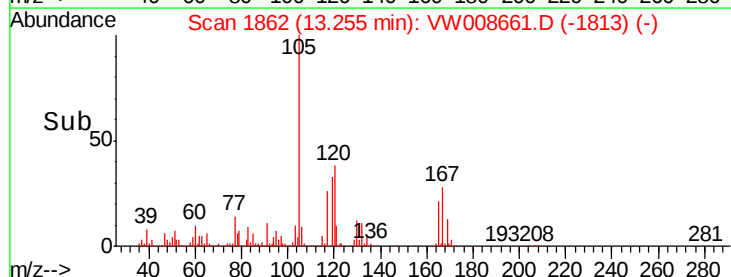
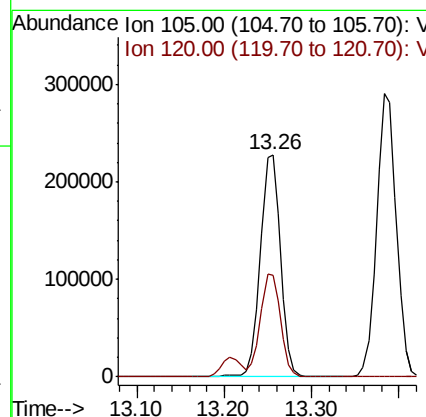
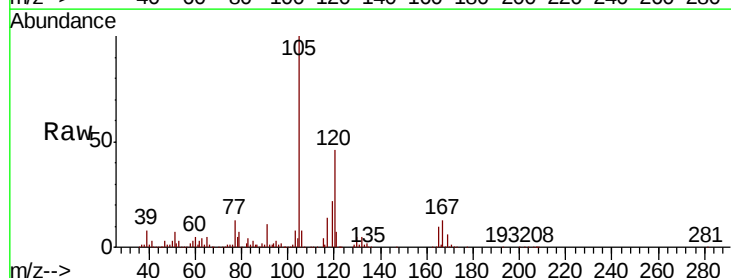
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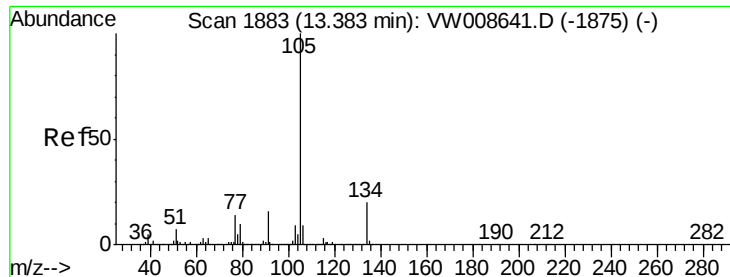
MMDadoda
2/18/2019 12:10:49 AM



#84
1,2,4-Trimethylbenzene
Concen: 21.145 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.8





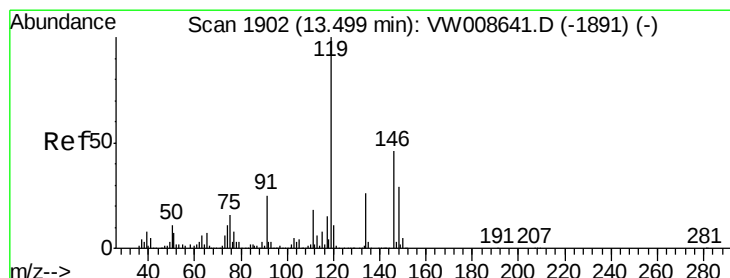
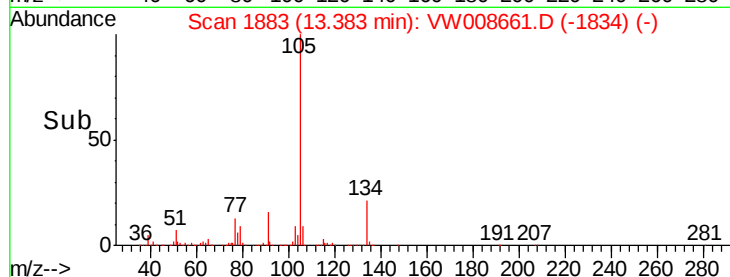
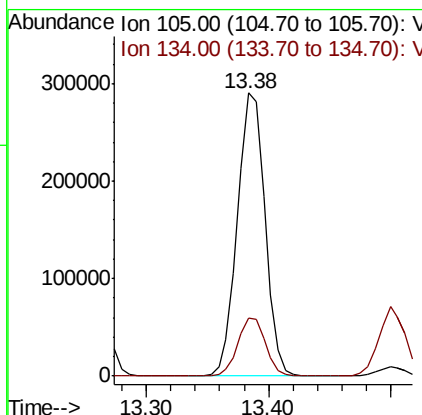
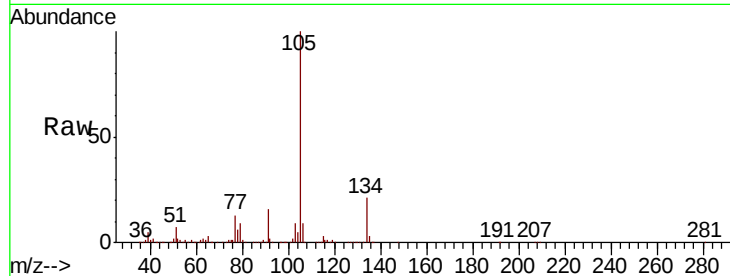
#85
 sec-Butylbenzene
 Concen: 21.483 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.3	30.8

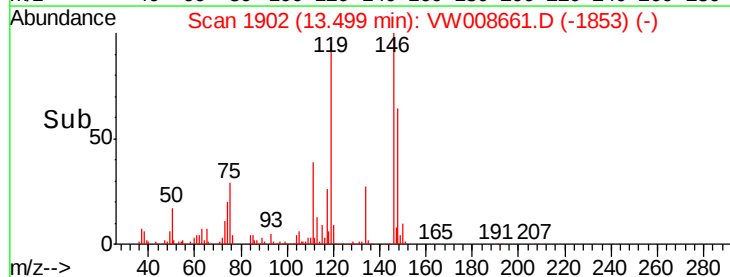
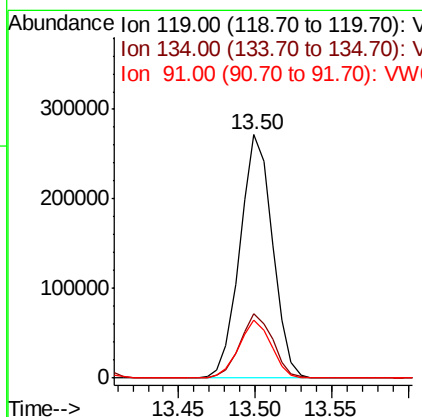
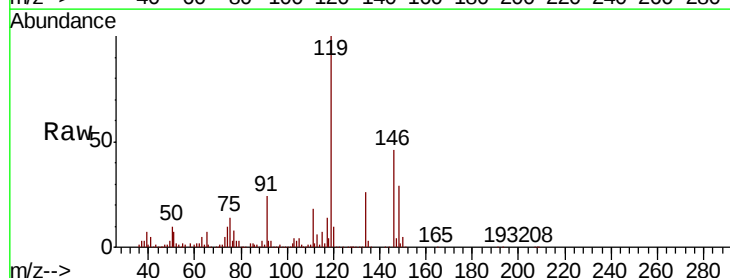
Manual Integrations
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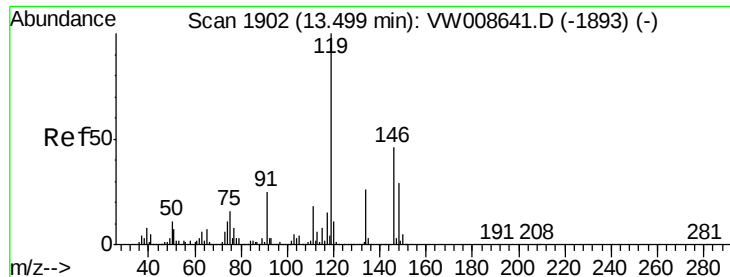
MMDadoda
 2/18/2019 12:10:49 AM



#86
 p-Isopropyltoluene
 Concen: 21.220 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	39.0
91	23.7	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 21.060 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

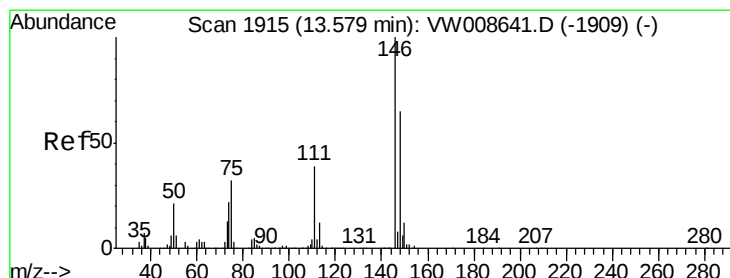
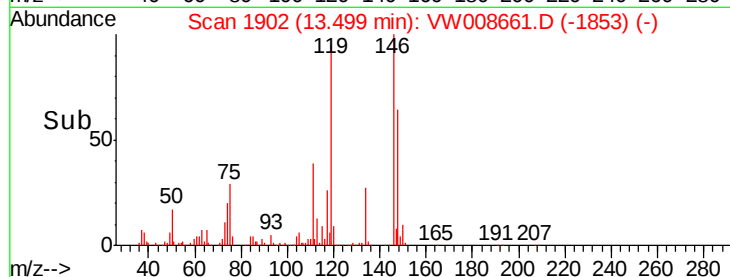
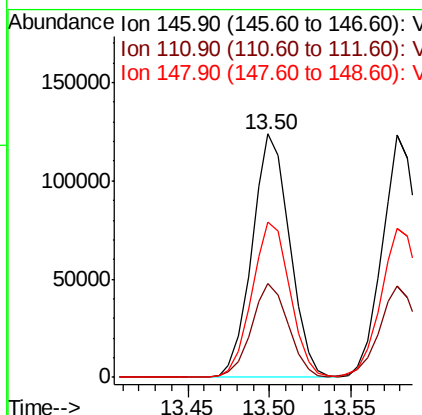
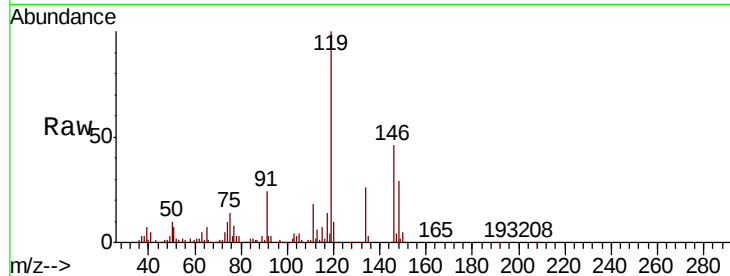
Instrument :
MSVOA_W

ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.4	58.1
148	64.5	31.6	94.8

Manual Integrations
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MMDadoda
2/18/2019 12:10:49 AM



#88

1,4-Dichlorobenzene

Concen: 20.783 ug/l

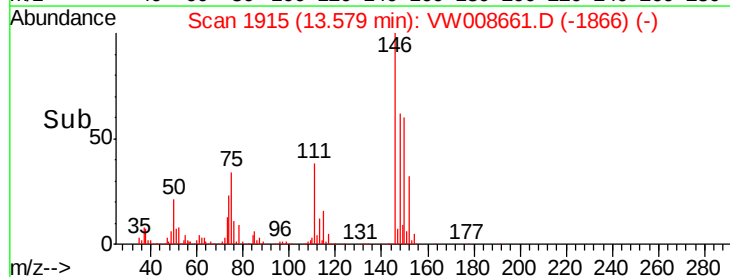
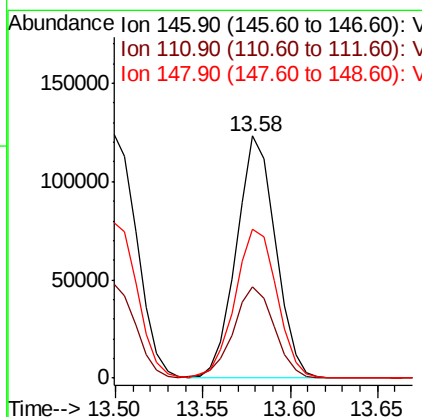
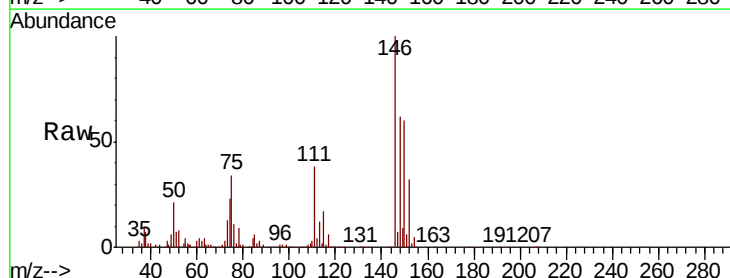
RT: 13.58 min Scan# 1915

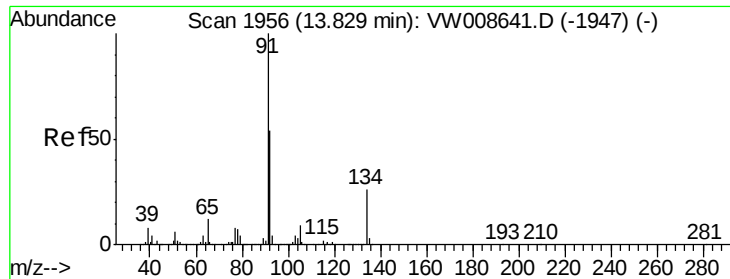
Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.1
148	65.9	31.8	95.4





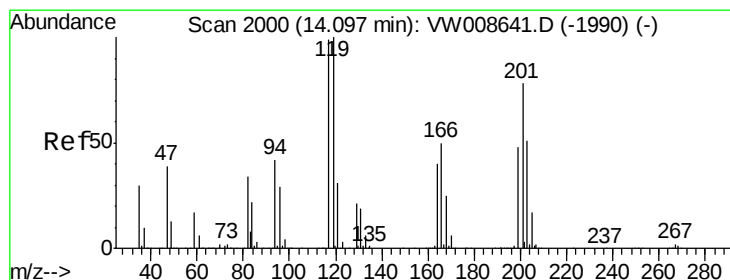
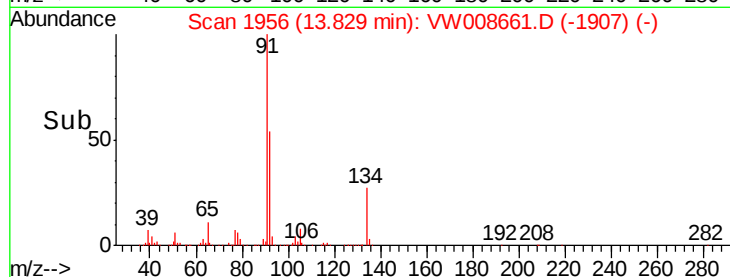
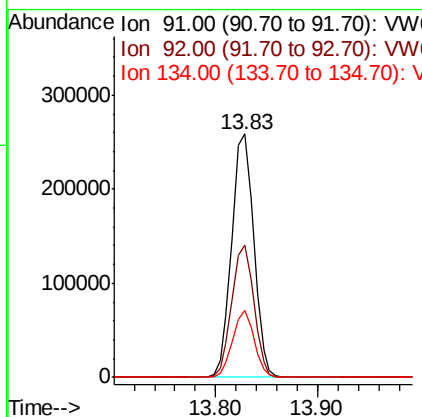
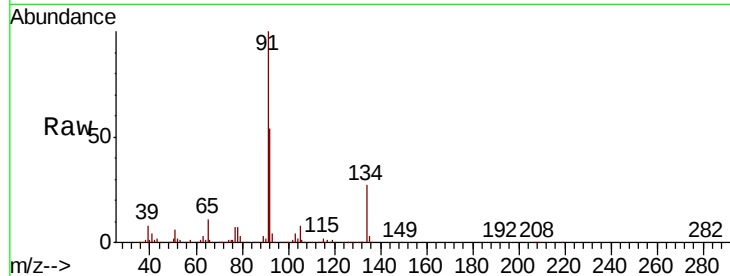
#89
n-Butylbenzene
Concen: 21.488 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.8	80.4
134	26.5	13.0	39.0

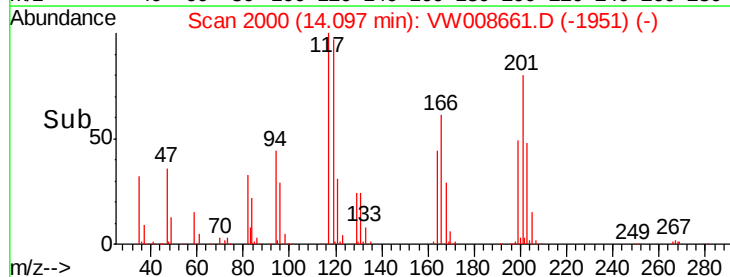
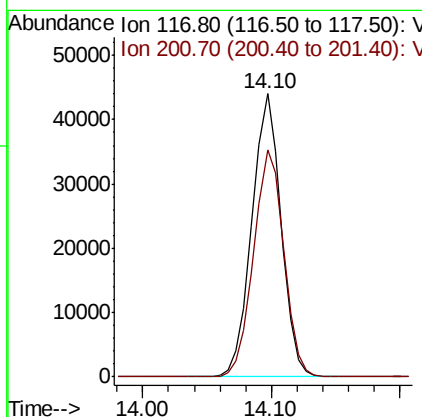
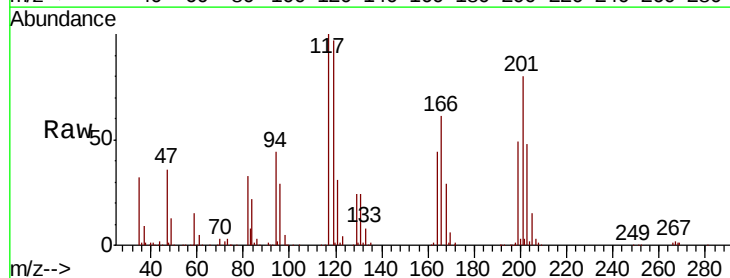
Manual Integrations
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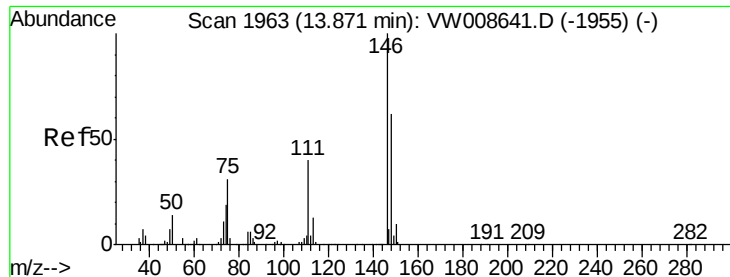
MMDadoda
2/18/2019 12:10:49 AM



#90
Hexachloroethane
Concen: 20.757 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	38.7	116.1





#91

1,2-Dichlorobenzene

Concen: 20.478 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008661.D

Acq: 14 Feb 2019 13:00

Instrument :

MSVOA_W

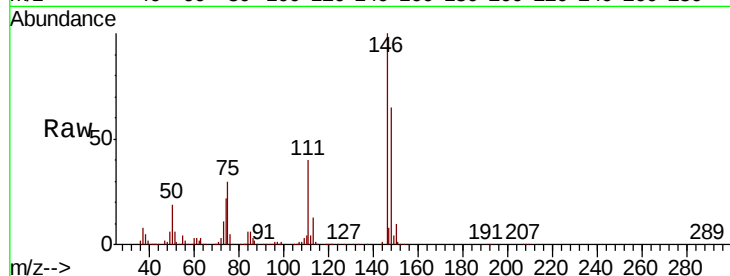
ClientSampled :

VW0214SBS01

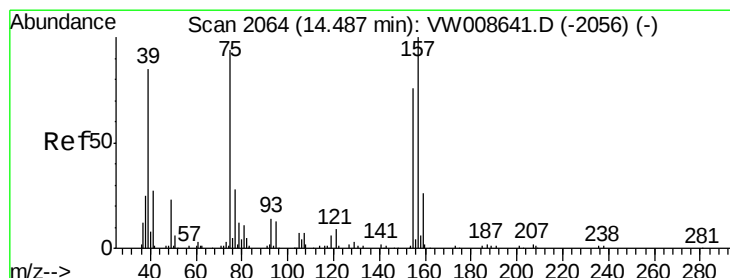
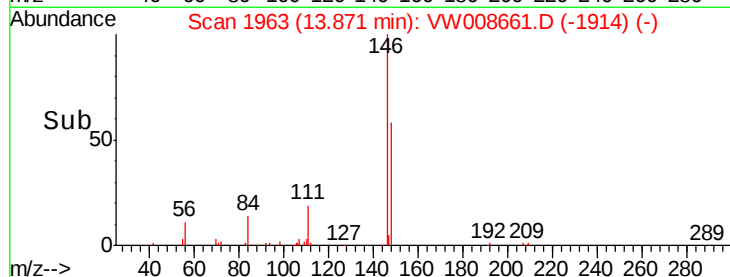
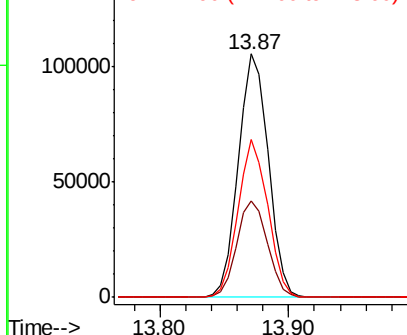
Tot Ion:	146	Resp:	170283
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.5	61.5
148	64.1	31.6	94.8

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.024 ug/l

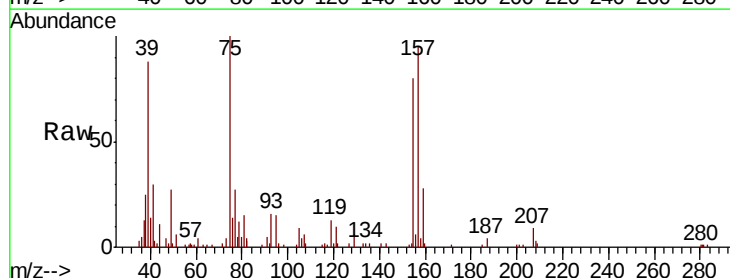
RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

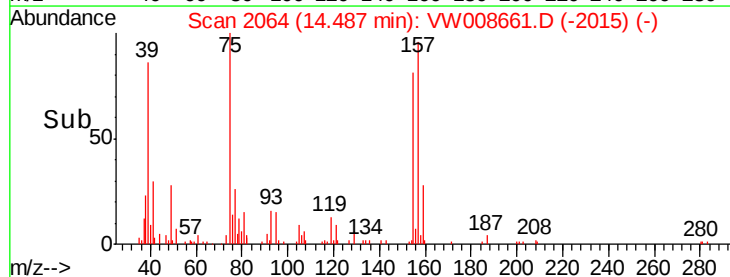
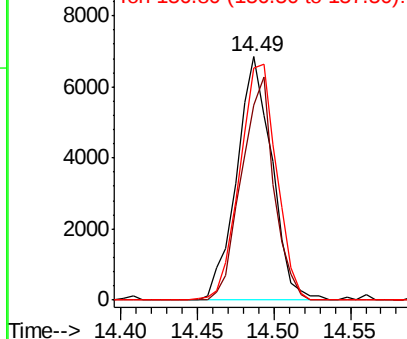
Lab File: VW008661.D

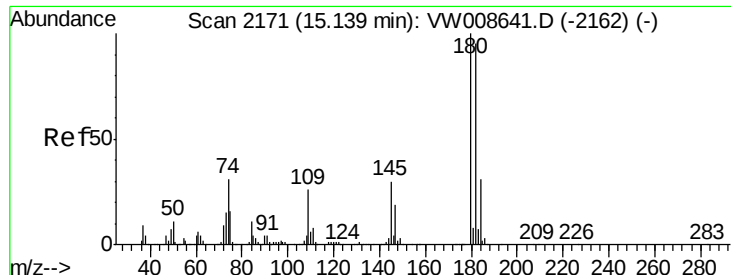
Acq: 14 Feb 2019 13:00

Tgt Ion:	75	Resp:	10976
Ion Ratio	Lower	Upper	
75	100		
155	84.1	41.8	125.4
157	100.7	53.8	161.4



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





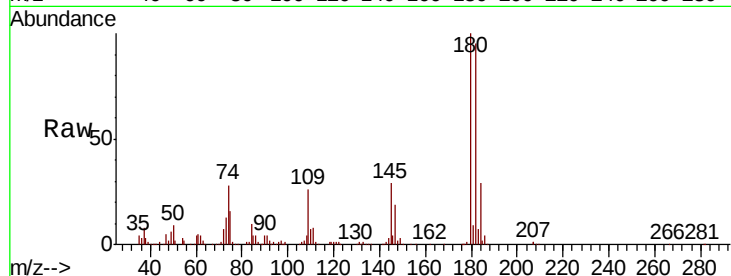
#93
 1,2,4-Trichlorobenzene
 Concen: 20.722 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	122665		
182	93.8	47.5	142.5	
145	29.7	15.1	45.3	

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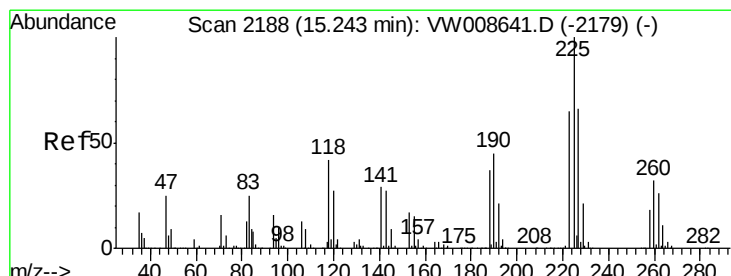
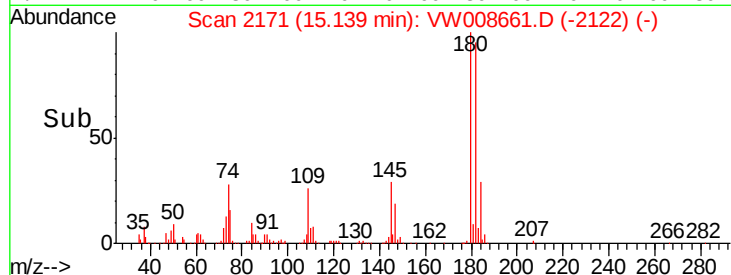
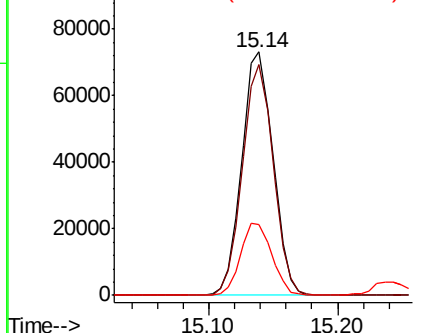


Abundance

Ion 179.80 (179.50 to 180.50): V

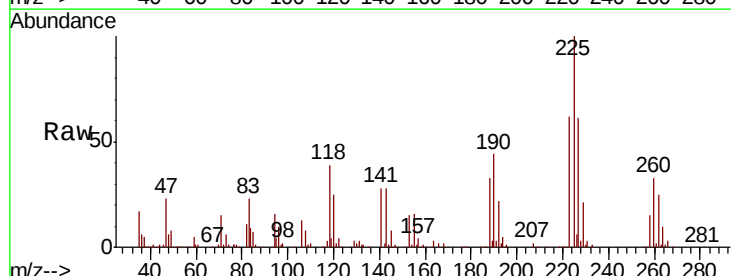
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 23.179 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008661.D
 Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79868		
223	61.8	31.4	94.3	
227	64.8	32.4	97.0	

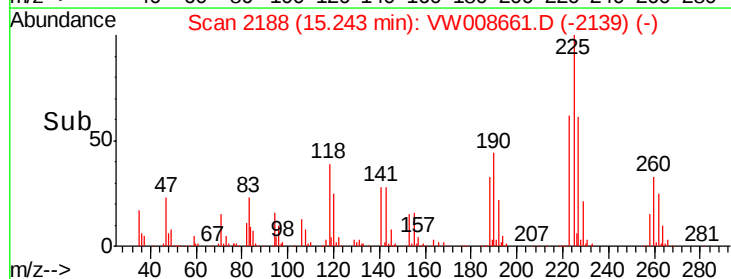
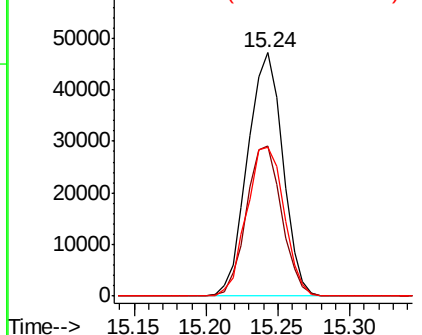


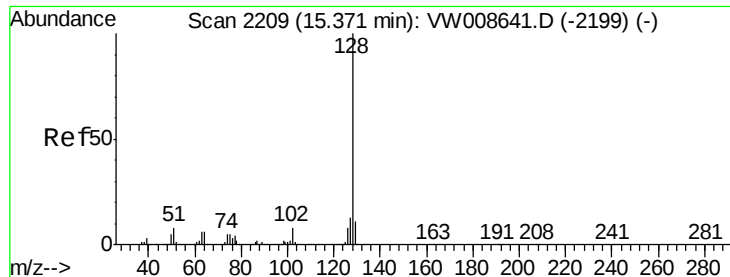
Abundance

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





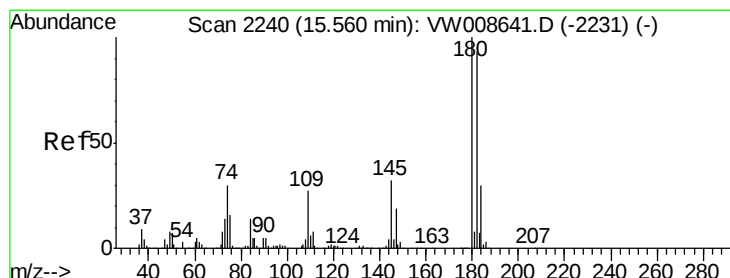
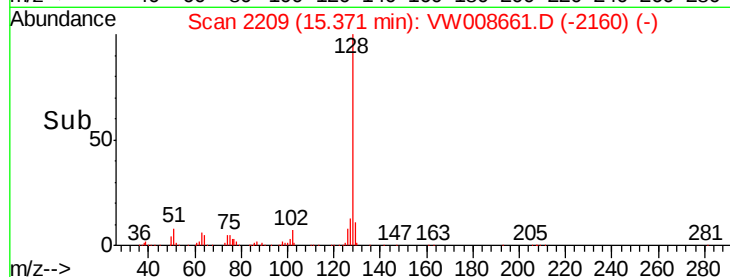
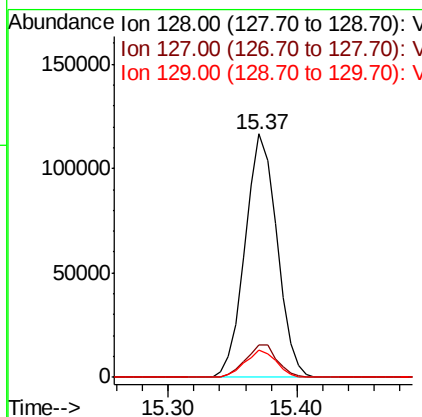
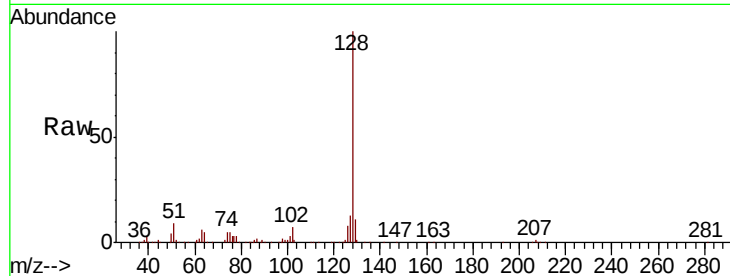
#95
Naphthalene
Concen: 18.803 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Instrument :
MSVOA_W
ClientSampleId :
VW0214SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	199459		
127	13.4	10.9	16.3	
129	11.2	8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 20.582 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008661.D
Acq: 14 Feb 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	104548		
182	94.7	47.5	142.5	
145	31.6	15.9	47.7	

