

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008677.D
 Acq On : 15 Feb 2019 11:56
 Operator : SY/VA
 Sample : VW0215SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:36 PM

Quant Time: Feb 16 00:54:07 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	399206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	602499	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	536472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	285476	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	200462	48.30	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.60%	
35) Dibromofluoromethane	7.88	113	185903	49.69	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.38%	
50) Toluene-d8	10.32	98	713443	49.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	261664	48.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	53764	21.027	ug/l	98
3) Chloromethane	2.21	50	66174	17.953	ug/l	97
4) Vinyl Chloride	2.37	62	90885	18.771	ug/l	97
5) Bromomethane	2.78	94	72438	18.907	ug/l	99
6) Chloroethane	2.92	64	69652	19.333	ug/l	93
7) Trichlorofluoromethane	3.25	101	68525	18.171	ug/l	98
8) Diethyl Ether	3.67	74	43373	19.274	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	78163	19.614	ug/l	98
10) Methyl Iodide	4.26	142	121853	19.591	ug/l	99
11) Tert butyl alcohol	5.18	59	30361	91.432	ug/l	99
12) 1,1-Dichloroethene	4.03	96	74471	19.108	ug/l	98
13) Acrolein	3.88	56	32046	93.669	ug/l	97
14) Allyl chloride	4.66	41	122047	18.849	ug/l	99
15) Acrylonitrile	5.37	53	88996	93.957	ug/l	98
16) Acetone	4.12	43	86633	91.731	ug/l	95
17) Carbon Disulfide	4.37	76	222149	18.888	ug/l	97
18) Methyl Acetate	4.67	43	38793	17.976	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	132446	19.359	ug/l	96
20) Methylene Chloride	4.91	84	85618	15.598	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	82620	19.358	ug/l	95
22) Diisopropyl ether	6.31	45	250273	19.204	ug/l	98
23) Vinyl Acetate	6.25	43	784339	92.732	ug/l	98
24) 1,1-Dichloroethane	6.21	63	144535	19.220	ug/l	98
25) 2-Butanone	7.17	43	125337	93.986	ug/l	96
26) 2,2-Dichloropropane	7.16	77	93265	19.853	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	88517	19.179	ug/l	98
28) Bromochloromethane	7.51	49	64284	20.250	ug/l	99
29) Tetrahydrofuran	7.52	42	81633	92.872	ug/l	98
30) Chloroform	7.67	83	144597	19.190	ug/l	96
31) Cyclohexane	7.95	56	146545	19.307	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	123946	19.477	ug/l	99
36) 1,1-Dichloropropene	8.08	75	118748	19.618	ug/l	100
37) Ethyl Acetate	7.25	43	52222	17.884	ug/l #	94
38) Carbon Tetrachloride	8.06	117	121925	20.256	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	149424	19.517	ug/l	96
40) Benzene	8.32	78	324358	19.620	ug/l	95
41) Methacrylonitrile	7.48	41	32684	19.894	ug/l	98
42) 1,2-Dichloroethane	8.40	62	100481	19.595	ug/l	99
43) Isopropyl Acetate	8.42	43	107791	18.513	ug/l	95
44) Trichloroethene	9.09	130	89782	19.587	ug/l	98
45) 1,2-Dichloropropane	9.37	63	78865	19.276	ug/l	100
46) Dibromomethane	9.46	93	44648	19.810	ug/l	97
47) Bromodichloromethane	9.64	83	105354	19.451	ug/l	98
48) Methyl methacrylate	9.44	41	49441	18.323	ug/l	98
49) 1,4-Dioxane	9.45	88	14167	393.799	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	279988	93.613	ug/l	100
52) Toluene	10.38	92	208252	19.527	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	107588	18.908	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	123619	19.165	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	59462	19.228	ug/l	98
56) Ethyl methacrylate	10.65	69	75857	18.473	ug/l	98
57) 1,3-Dichloropropane	10.93	76	104997	19.136	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	203939	103.532	ug/l	99
59) 2-Hexanone	10.97	43	198907	94.667	ug/l	97
60) Dibromochloromethane	11.13	129	69475	18.776	ug/l	99
61) 1,2-Dibromoethane	11.24	107	59824	19.648	ug/l	99
64) Tetrachloroethene	10.86	164	78203	19.603	ug/l	99
65) Chlorobenzene	11.66	112	224833	19.444	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	79492	19.406	ug/l	98
67) Ethyl Benzene	11.73	91	395107	19.183	ug/l	97
68) m/p-Xylenes	11.84	106	310880	38.791	ug/l	100
69) o-Xylene	12.17	106	147561	19.479	ug/l	99
70) Styrene	12.18	104	232102	18.759	ug/l	99
71) Bromoform	12.35	173	41729	18.907	ug/l #	98
73) Isopropylbenzene	12.46	105	402498	18.928	ug/l	99
74) N-amyl acetate	12.27	43	105660	18.375	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	71338	19.282	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	60884m	21.598	ug/l	
77) Bromobenzene	12.75	156	95540	19.546	ug/l	97
78) n-propylbenzene	12.80	91	488882	19.349	ug/l	99
79) 2-Chlorotoluene	12.89	91	273611	19.161	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	336588	19.057	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	19659	17.121	ug/l	94
82) 4-Chlorotoluene	12.99	91	284583	18.805	ug/l	98
83) tert-Butylbenzene	13.21	119	297645	19.407	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	350769	19.322	ug/l	99
85) sec-Butylbenzene	13.38	105	429277	19.223	ug/l	100
86) p-Isopropyltoluene	13.50	119	384020	19.223	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	190931	19.268	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	190667	19.524	ug/l	98
89) n-Butylbenzene	13.83	91	364968	19.225	ug/l	99
90) Hexachloroethane	14.10	117	66918	19.173	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	170739	19.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12262	19.072	ug/l	99

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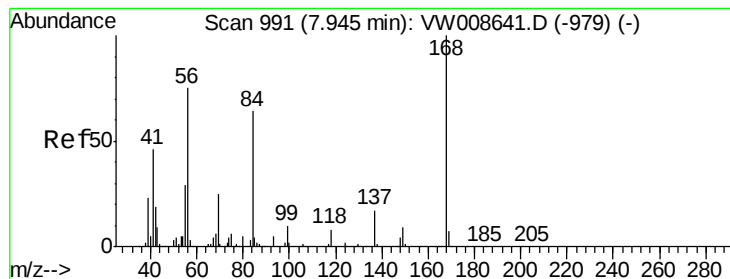
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	125416	20.068	ug/l	99
94) Hexachlorobutadiene	15.24	225	75833	20.846	ug/l	98
95) Naphthalene	15.37	128	216418	19.324	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	108832	20.294	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tot Ion:168 Resp: 399206

Ion Ratio Lower Upper

168 100

99 55.1 42.8 64.2

Instrument :

MSVOA_W

ClientSampleId :

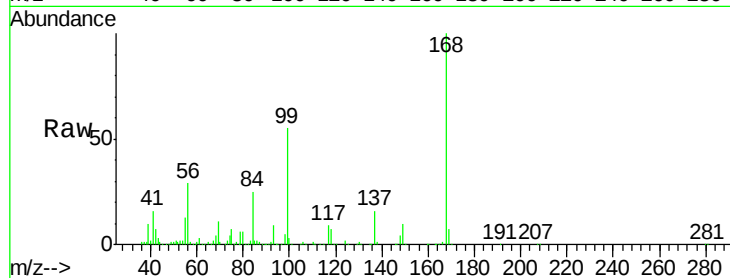
VW0215SBSD01

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

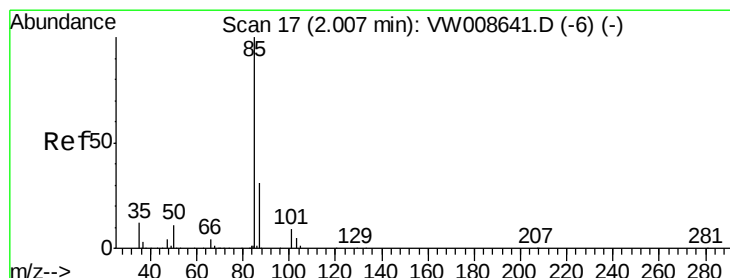
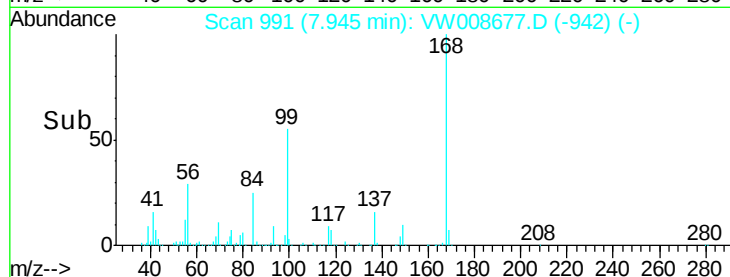
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 21.027 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW008677.D

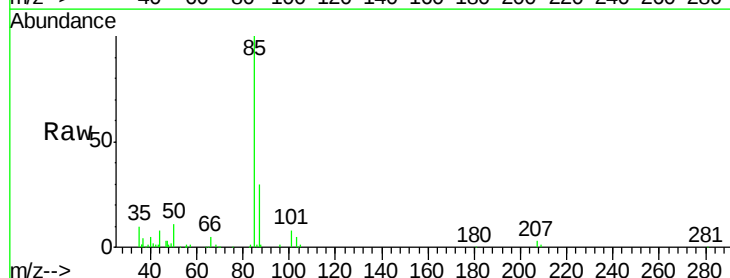
Acq: 15 Feb 2019 11:56

Tgt Ion: 85 Resp: 53764

Ion Ratio Lower Upper

85 100

87 29.8 15.4 46.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

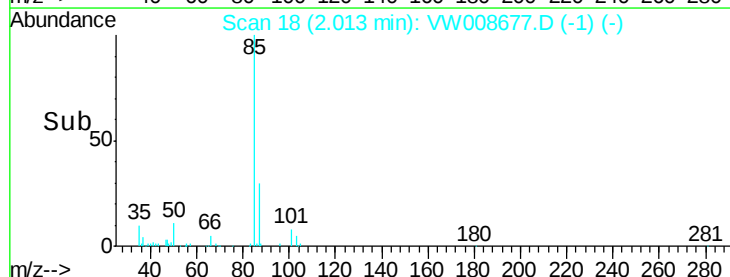
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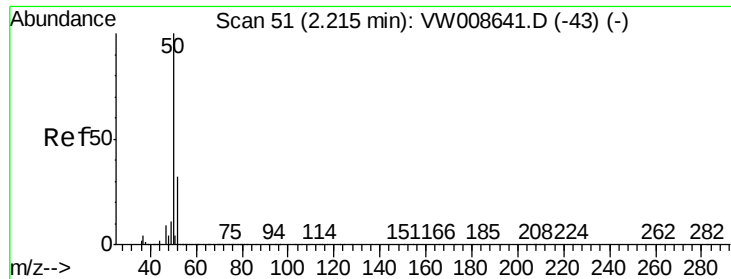
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 17.953 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 50 Resp: 66174

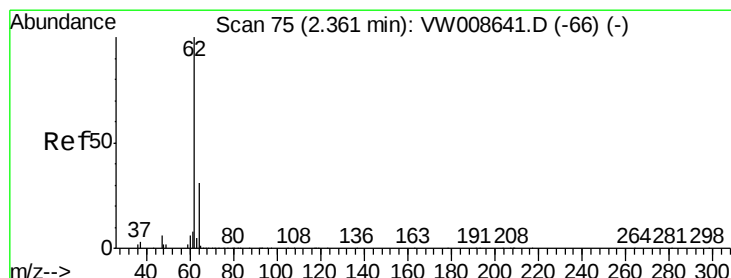
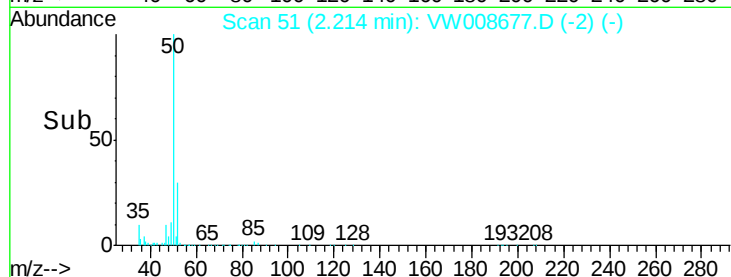
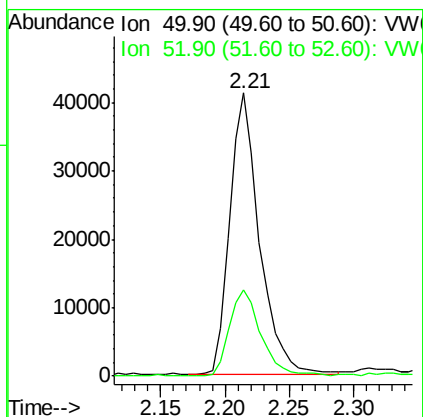
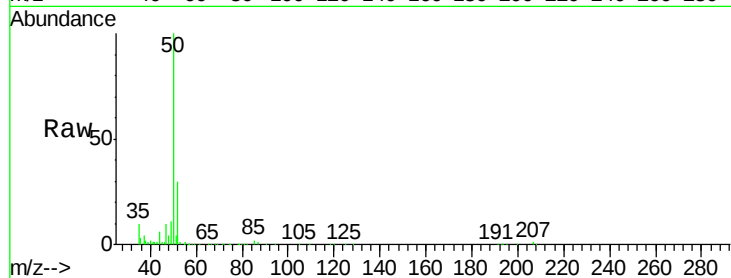
Ion Ratio Lower Upper

50 100

52 30.7 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 18.771 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW008677.D

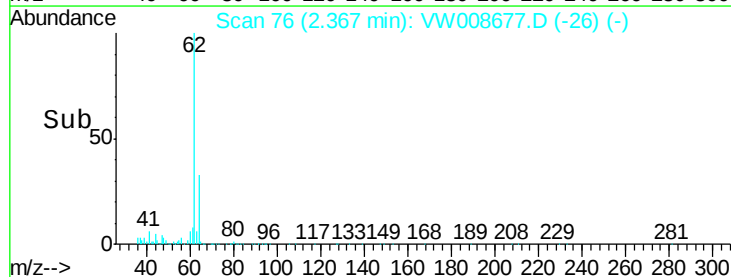
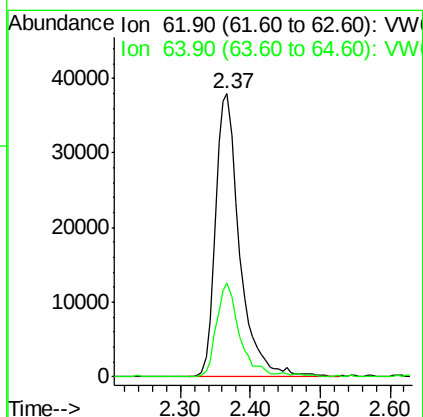
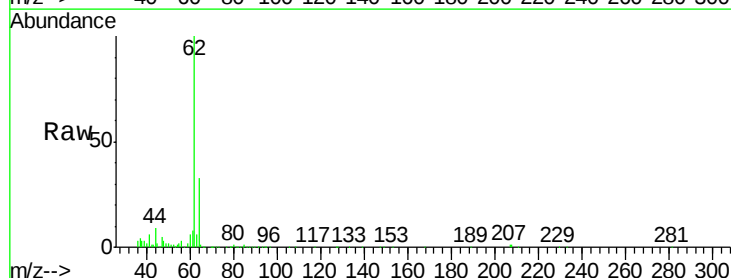
Acq: 15 Feb 2019 11:56

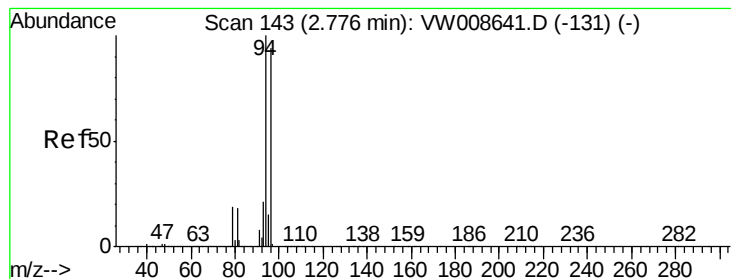
Tgt Ion: 62 Resp: 90885

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7





#5

Bromomethane

Concen: 18.907 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 94 Resp: 72438

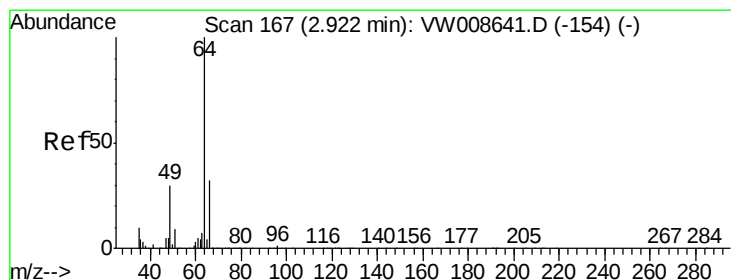
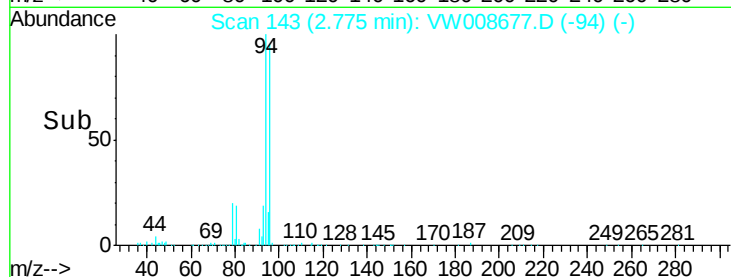
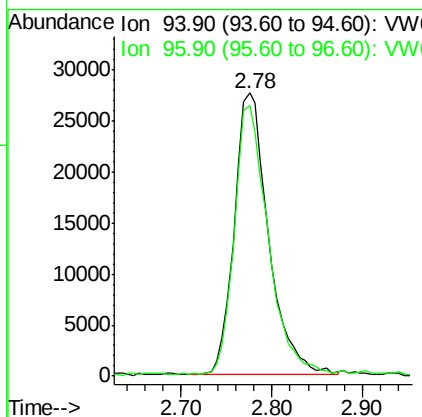
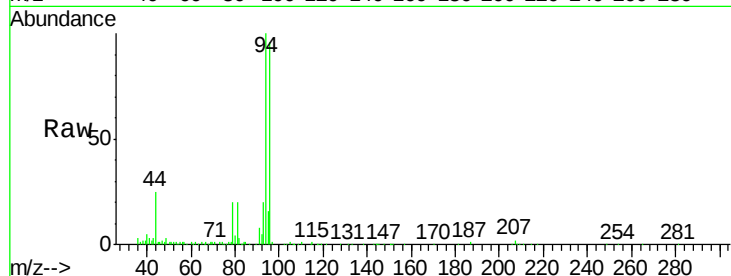
Ion Ratio Lower Upper

94 100

96 95.3 75.5 113.3

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#6

Chloroethane

Concen: 19.333 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW008677.D

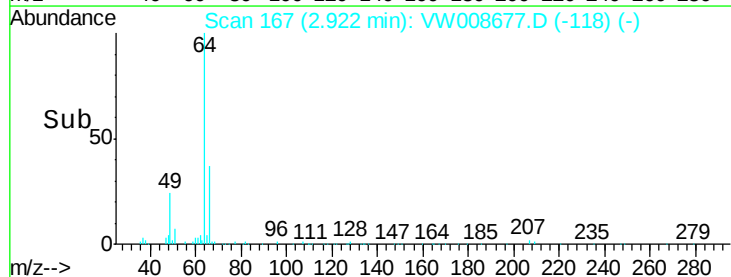
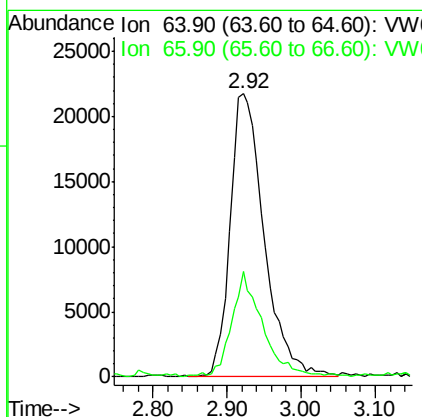
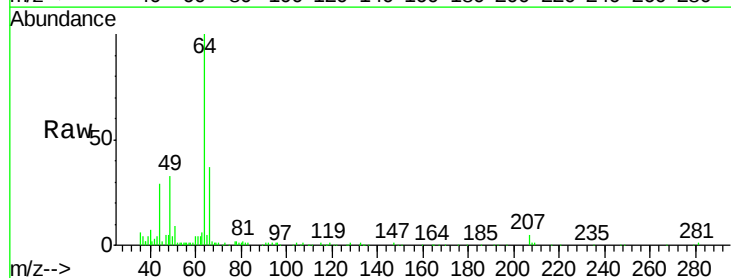
Acq: 15 Feb 2019 11:56

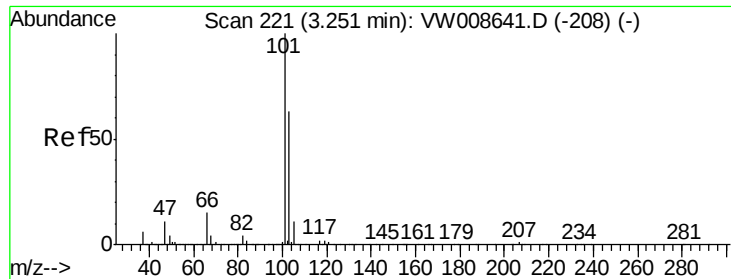
Tgt Ion: 64 Resp: 69652

Ion Ratio Lower Upper

64 100

66 36.6 26.2 39.4





#7

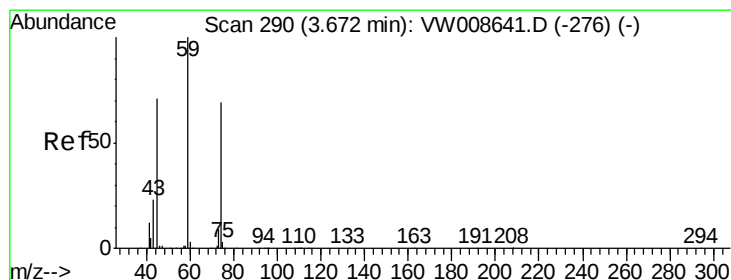
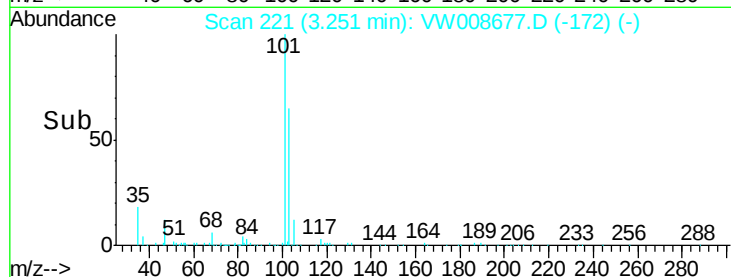
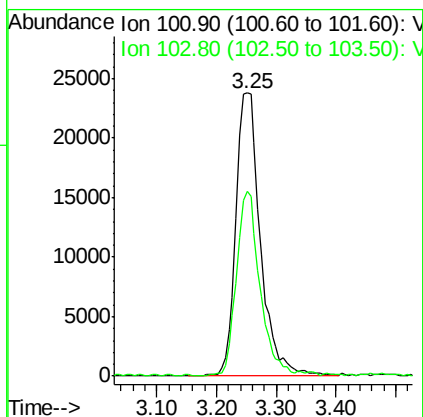
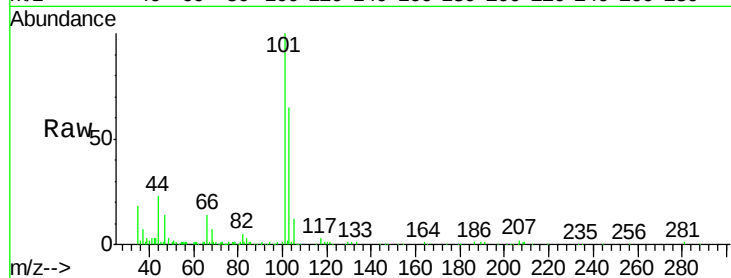
Trichlorofluoromethane
Concen: 18.171 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

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ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.5	75.7

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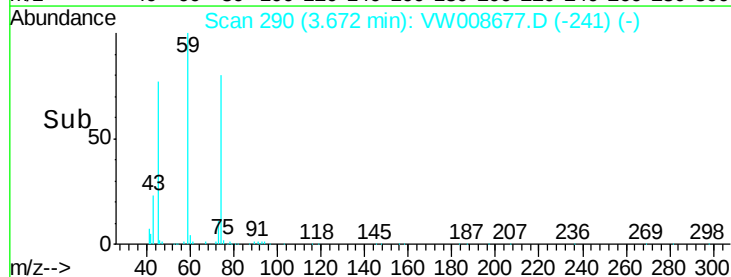
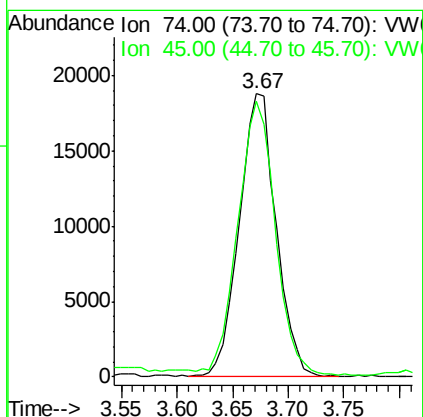
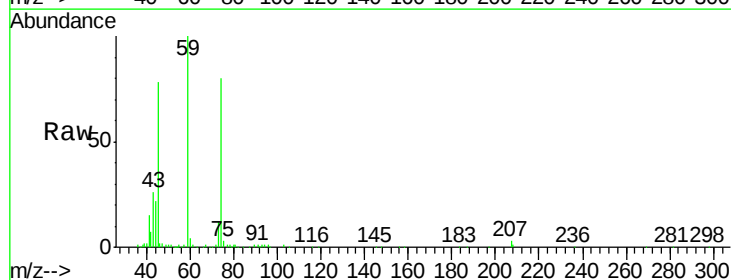
MMDadoda
2/18/2019 2:34:36 PM

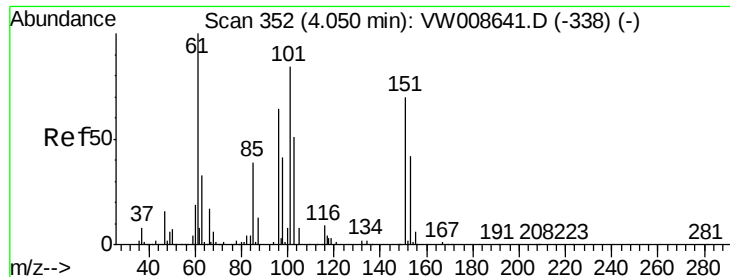


#8

Diethyl Ether
Concen: 19.274 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	50.2	150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.614 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.01 min

Lab File: VW008677.D

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MSVOA_W

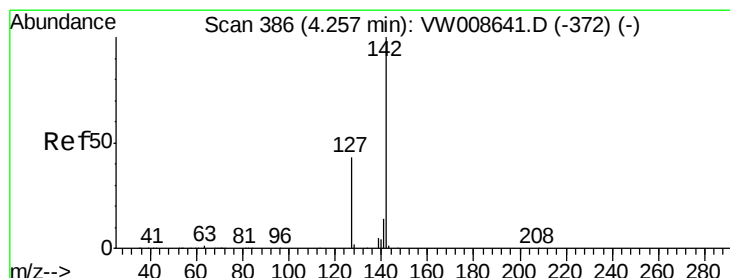
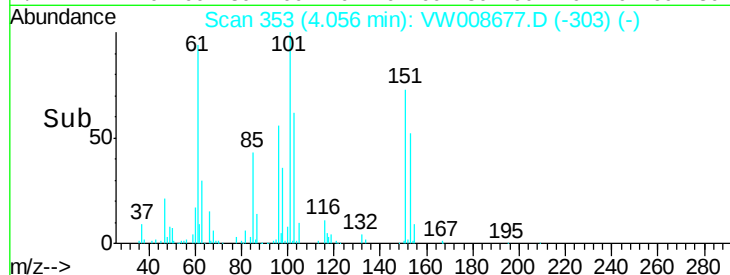
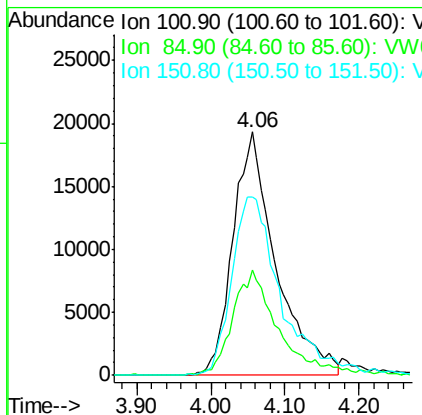
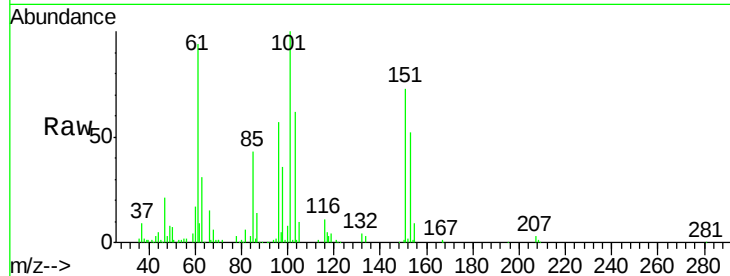
ClientSampleId :

VW0215SBS01

Tot Ion:	101	Resp:	78163
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.3	51.5
151	83.3	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.591 ug/l

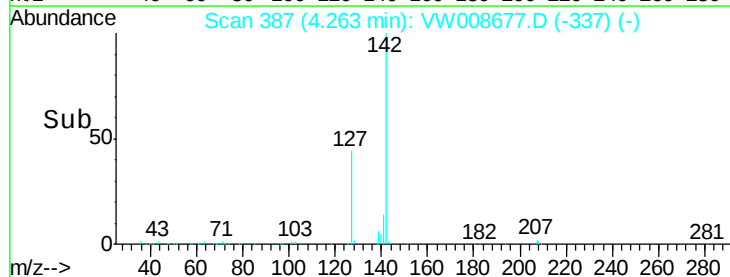
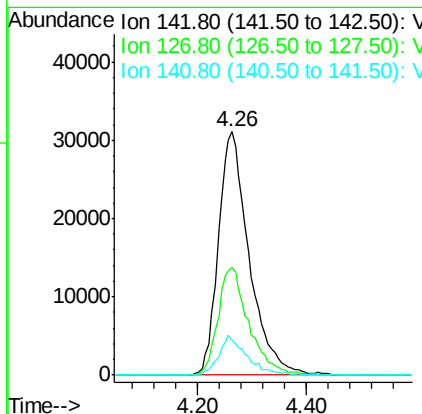
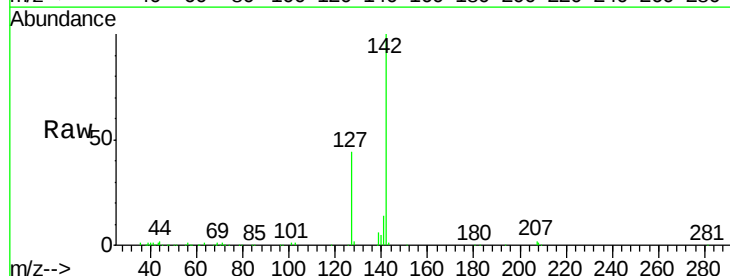
RT: 4.26 min Scan# 387

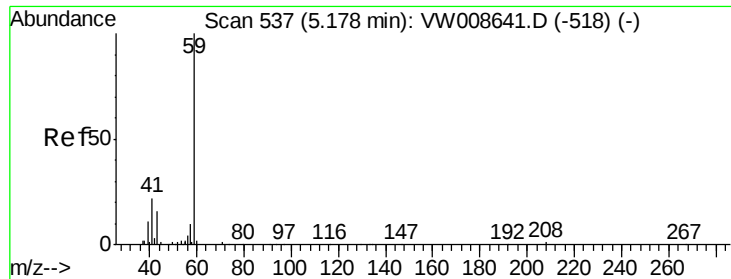
Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	142	Resp:	121853
Ion Ratio	Lower	Upper	
142	100		
127	44.3	34.8	52.2
141	14.6	11.8	17.8





#11

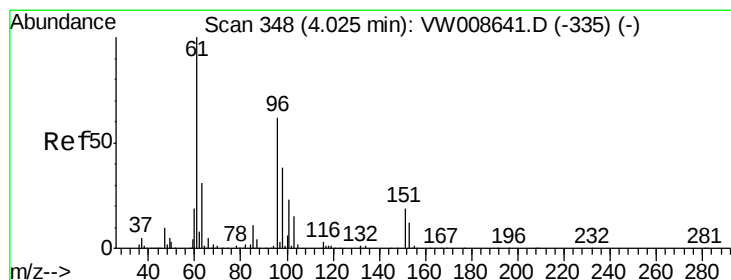
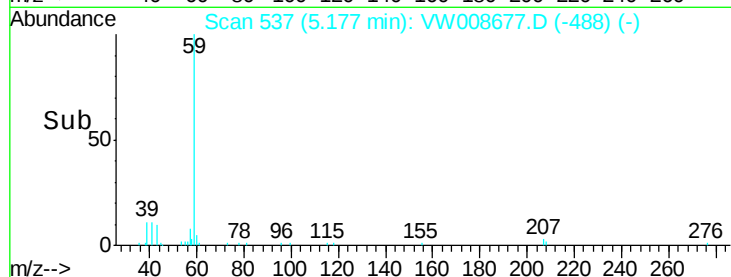
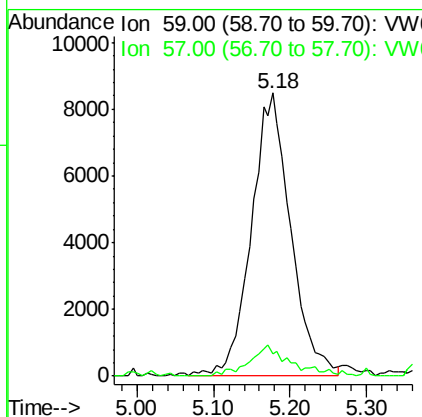
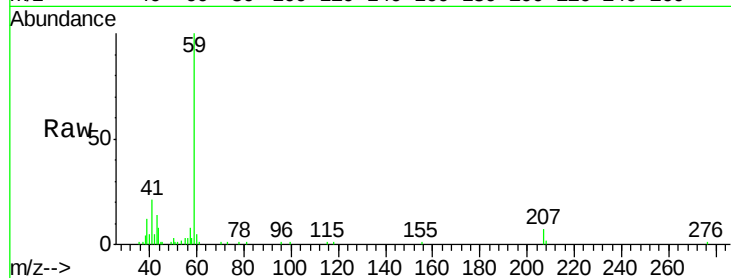
Tert butyl alcohol
Concen: 91.432 ug/l
RT: 5.18 min Scan# 537
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5

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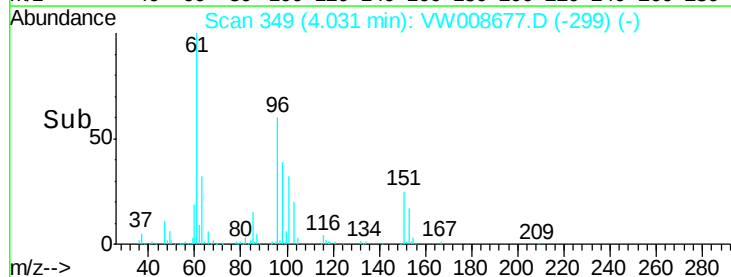
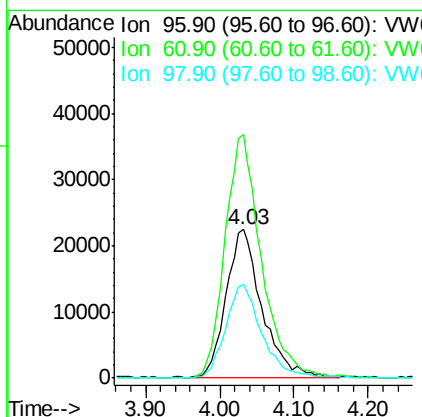
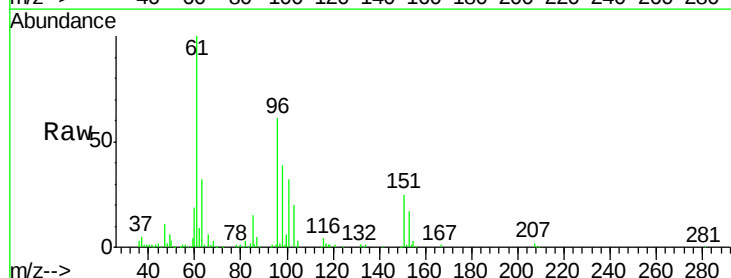
MMDadoda
2/18/2019 2:34:36 PM

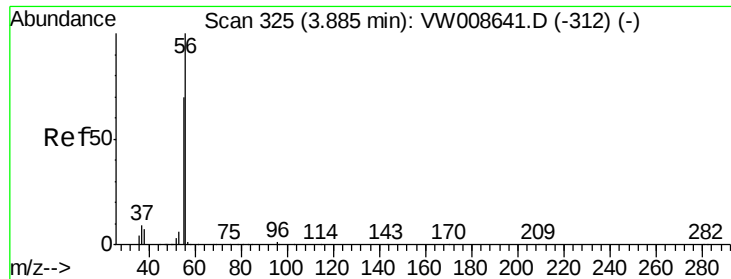


#12

1,1-Dichloroethene
Concen: 19.108 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.8	129.8	194.6
98	63.6	49.3	73.9





#13

Acrolein

Concen: 93.669 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBSD01

Tot Ion: 56 Resp: 32046

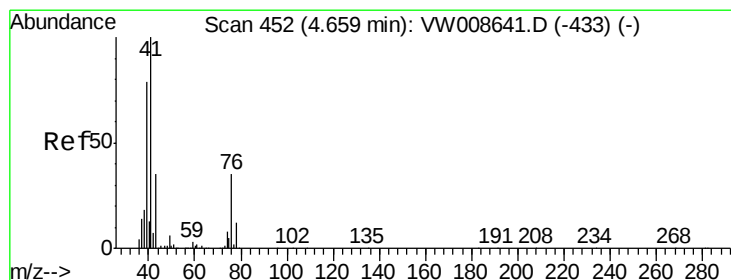
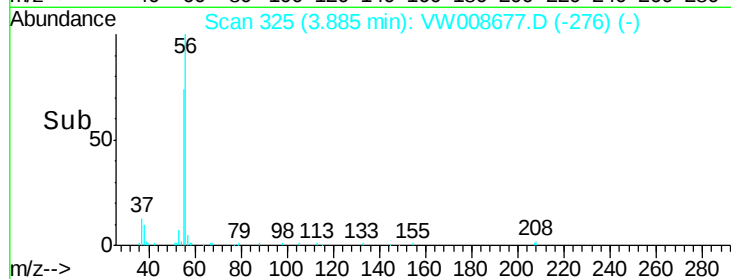
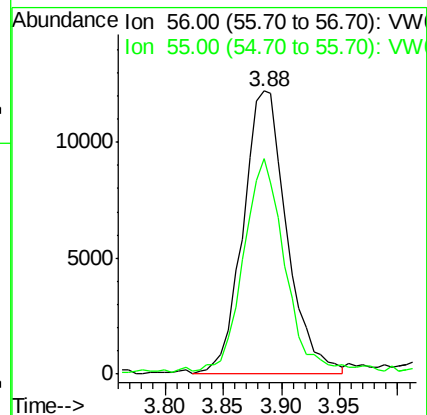
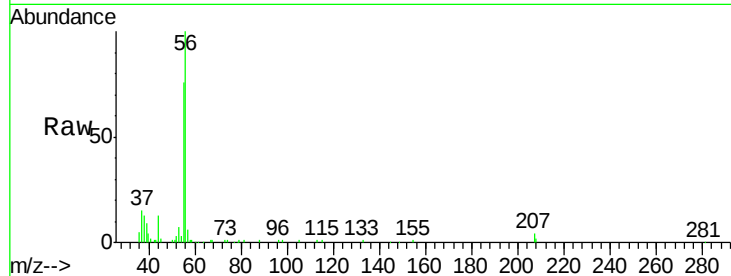
Ion Ratio Lower Upper

56 100

55 69.1 57.4 86.2

Manual Integrations
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#14

Allyl chloride

Concen: 18.849 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

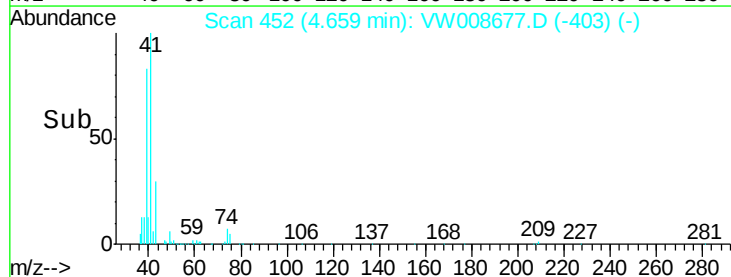
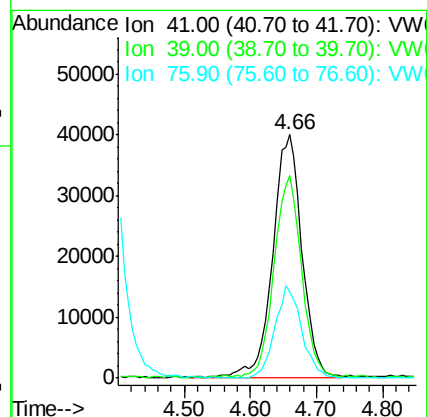
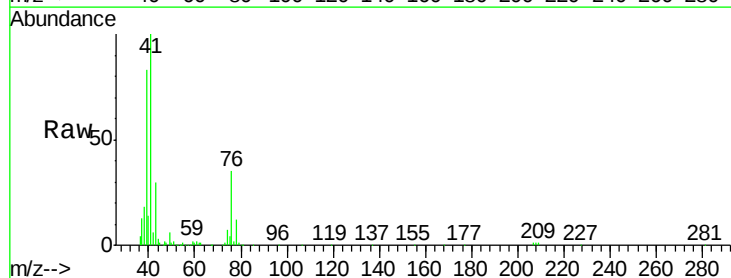
Tgt Ion: 41 Resp: 122047

Ion Ratio Lower Upper

41 100

39 78.5 61.7 92.5

76 34.9 27.7 41.5





#15

Acrylonitrile

Concen: 93.957 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

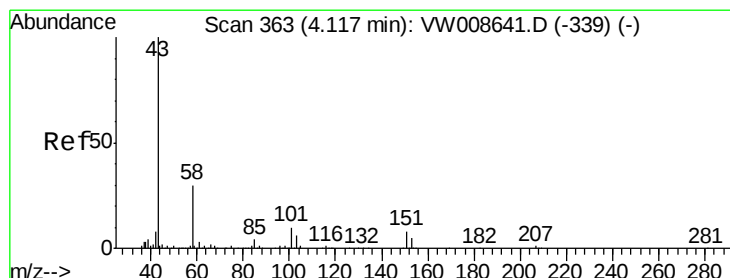
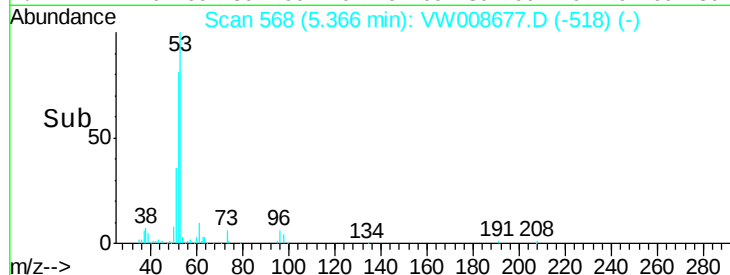
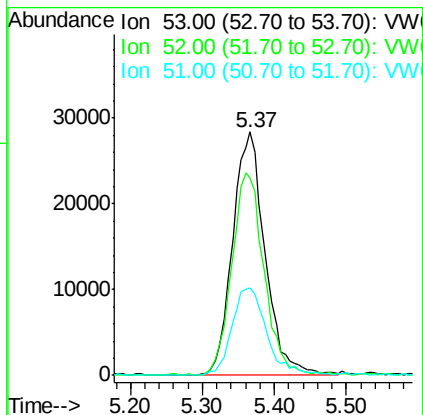
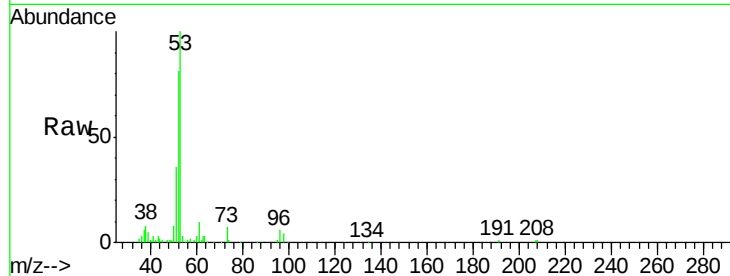
ClientSampleId :

VW0215SBS01

Tot Ion:	53	Resp:	88996
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.8	100.2
51	38.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 91.731 ug/l

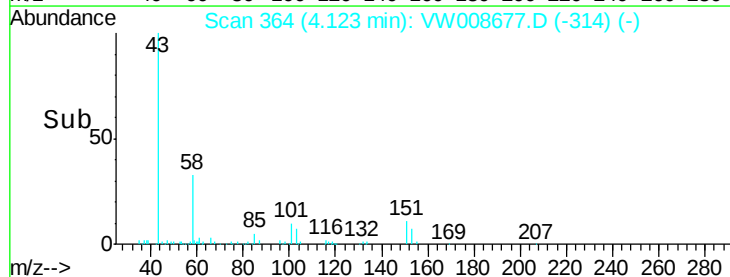
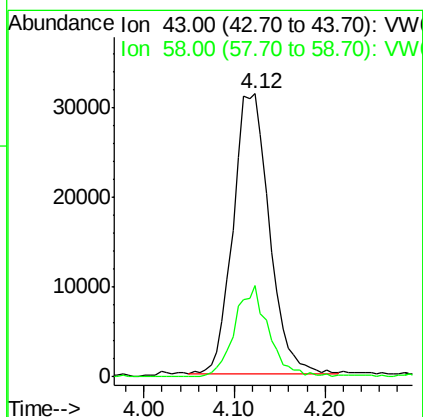
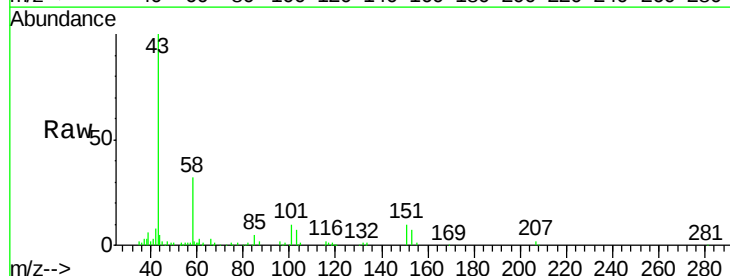
RT: 4.12 min Scan# 364

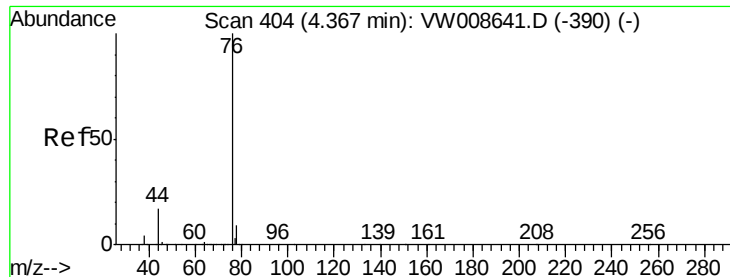
Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	43	Resp:	86633
Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.1	36.1





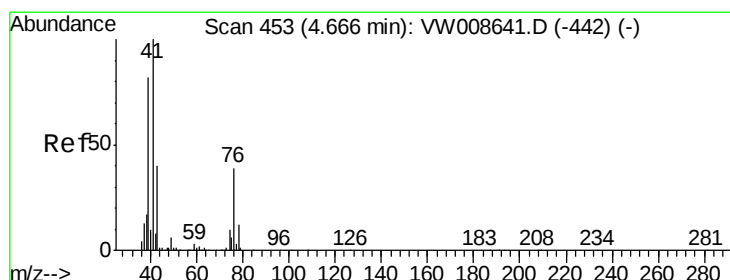
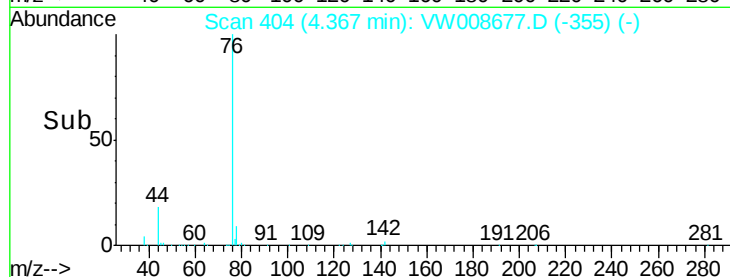
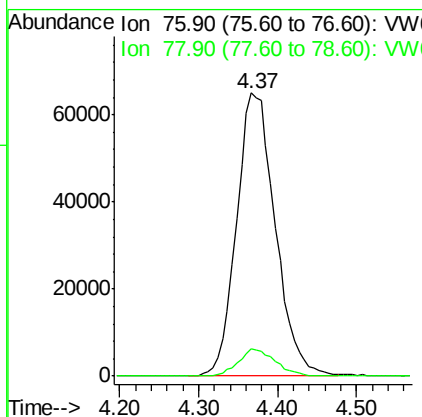
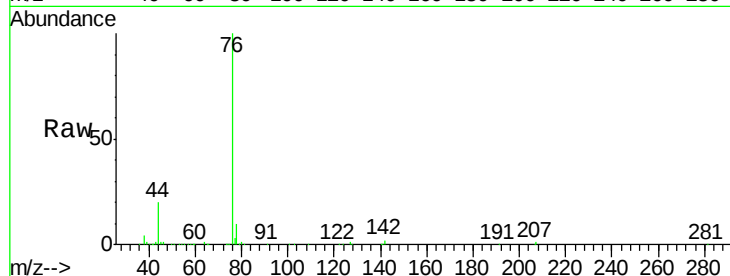
#17
Carbon Disulfide
Concen: 18.888 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.1	10.7

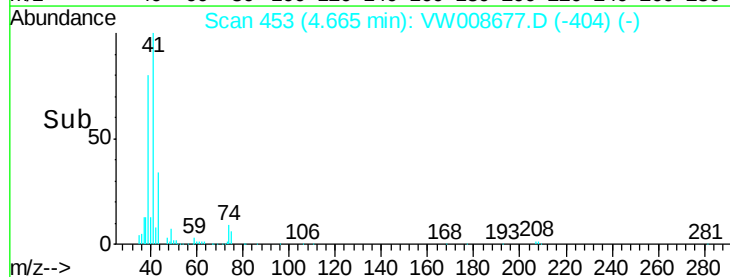
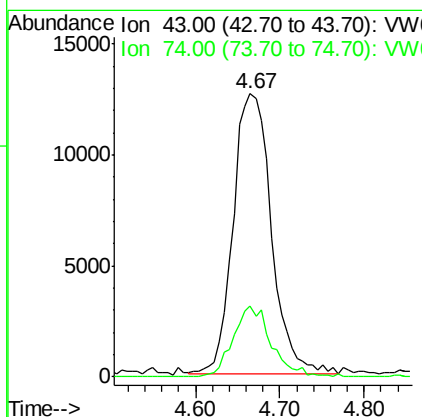
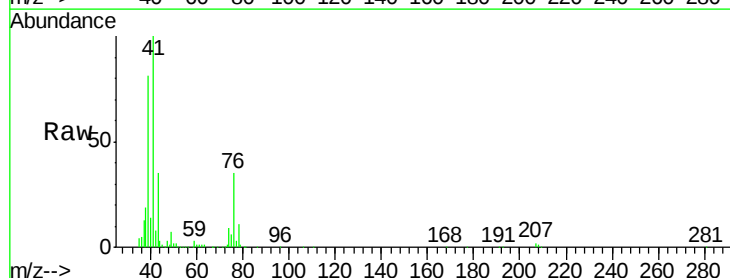
Manual Integrations
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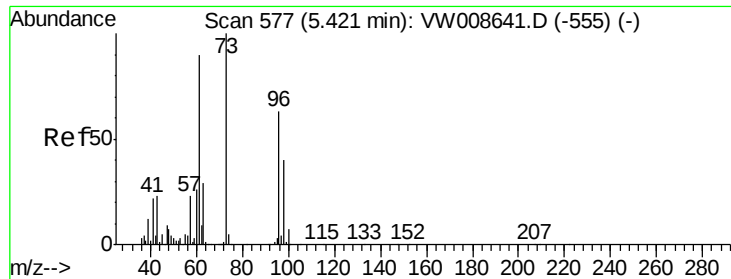
MMDadoda
2/18/2019 2:34:36 PM



#18
Methyl Acetate
Concen: 17.976 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.0	28.4





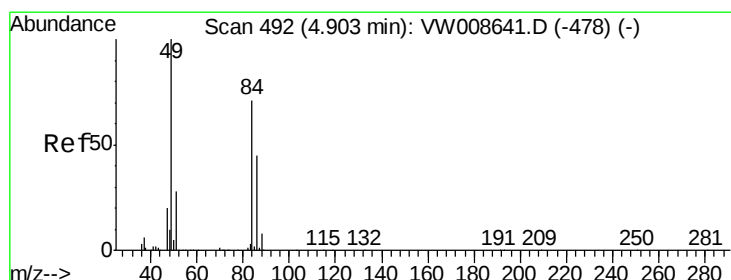
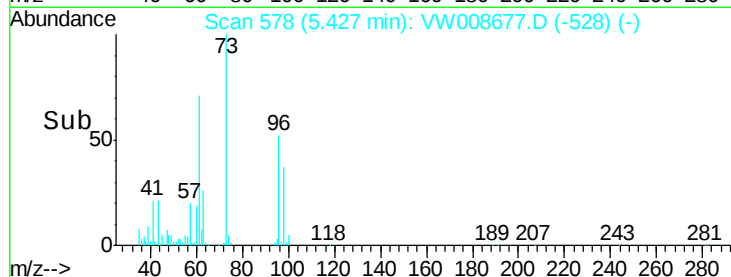
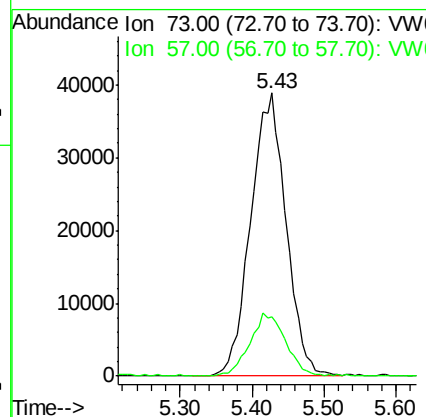
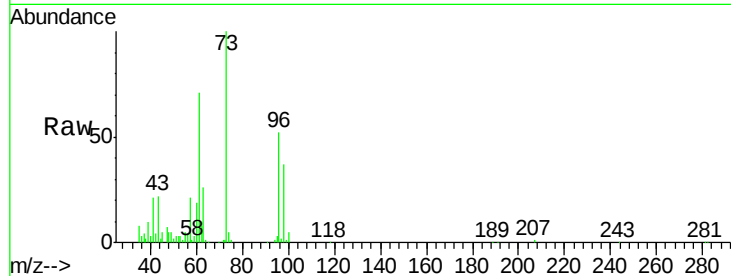
#19
Methvl tert-butvl Ether
Concen: 19.359 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion: 73 Resp: 132446
Ion Ratio Lower Upper
73 100
57 20.9 18.2 27.2

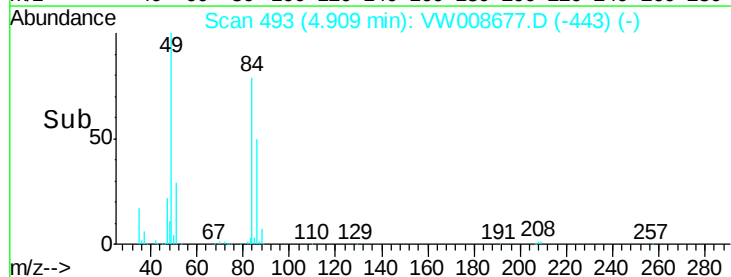
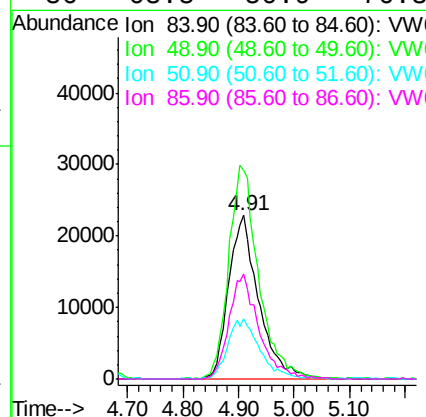
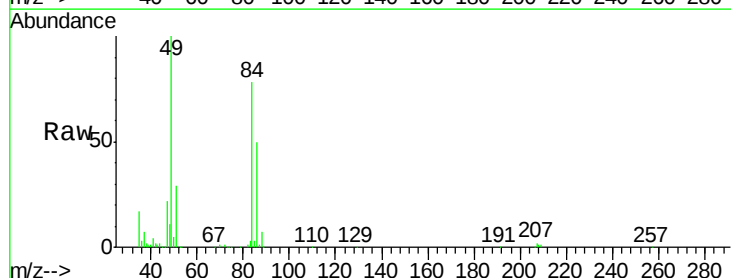
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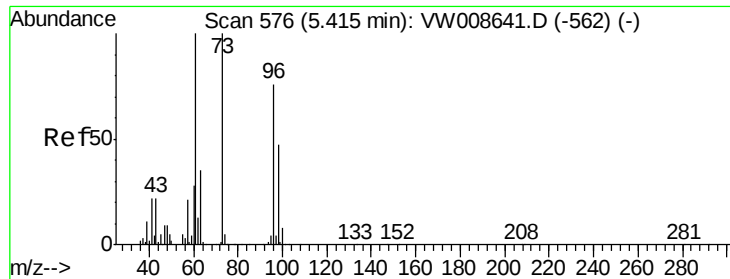
MMDadoda
2/18/2019 2:34:36 PM



#20
Methylene Chloride
Concen: 15.598 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 84 Resp: 85618
Ion Ratio Lower Upper
84 100
49 127.6 113.3 169.9
51 37.0 32.1 48.1
86 63.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.358 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

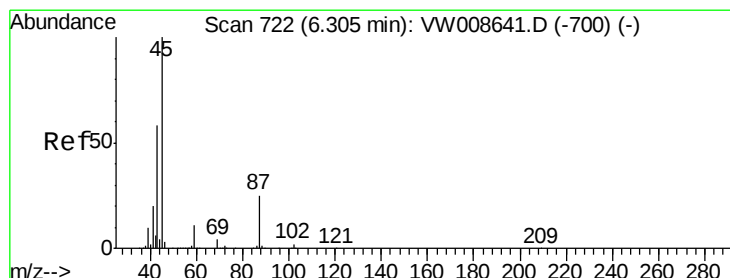
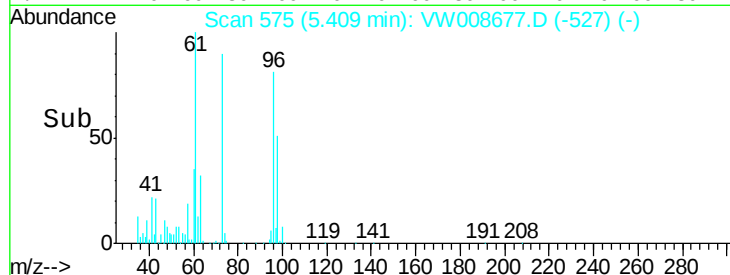
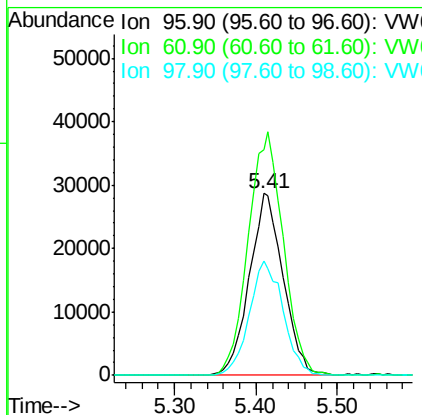
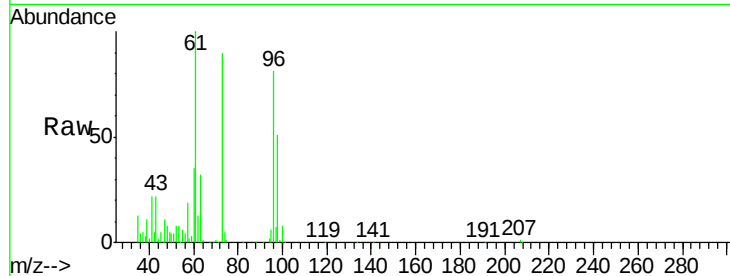
ClientSampleId :

VW0215SBS01

Tot Ion:	96	Resp:	82620
Ion	Ratio	Lower	Upper
96	100		
61	124.0	105.9	158.9
98	63.1	49.8	74.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.204 ug/l

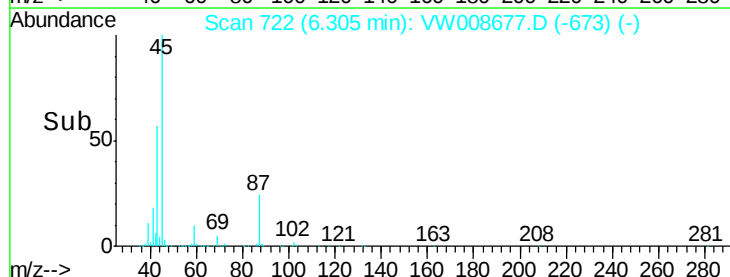
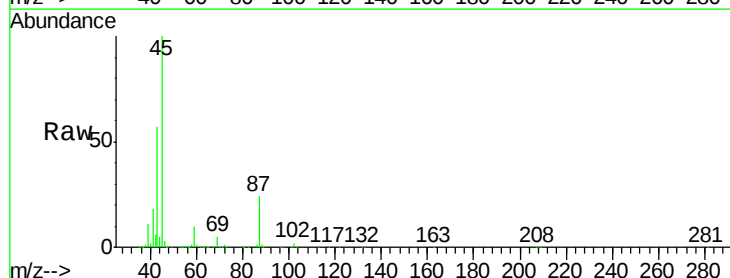
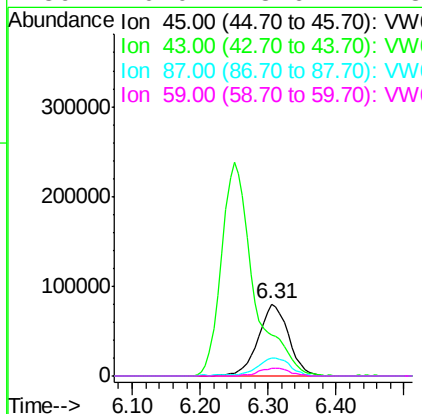
RT: 6.31 min Scan# 722

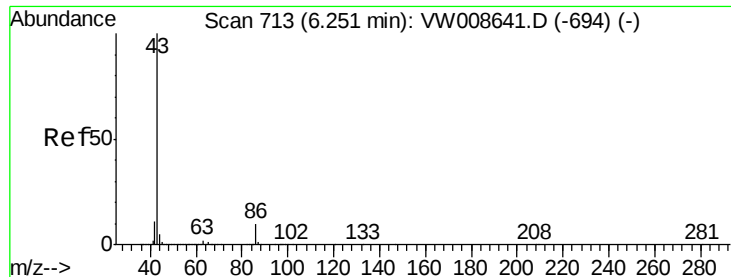
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	45	Resp:	250273
Ion	Ratio	Lower	Upper
45	100		
43	56.8	46.1	69.1
87	24.1	20.5	30.7
59	10.0	8.6	12.8





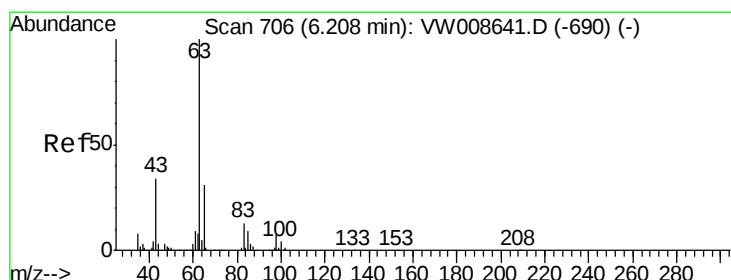
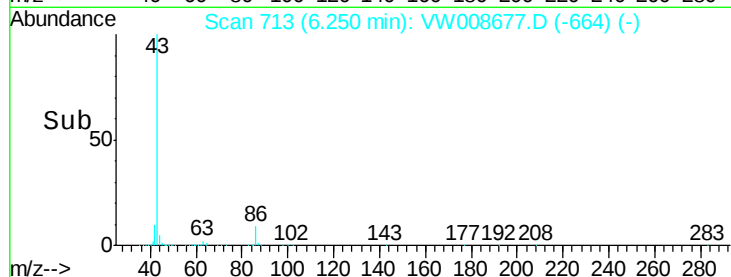
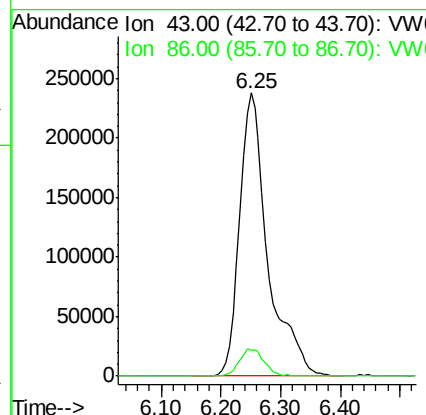
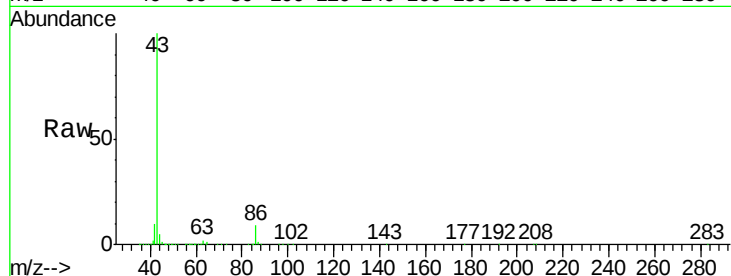
#23
 Vinyl Acetate
 Concen: 92.732 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	784339		
86	9.3		7.9	11.9

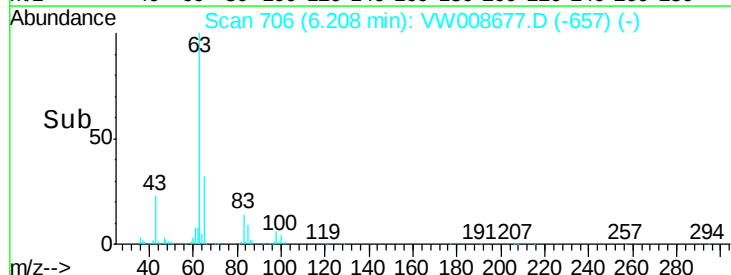
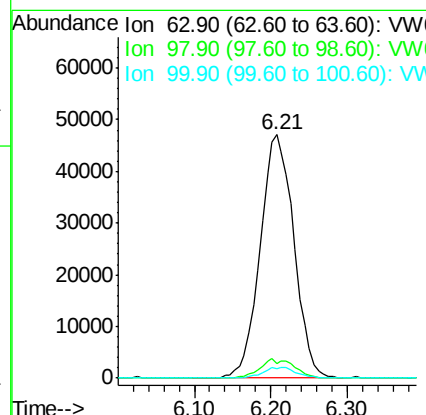
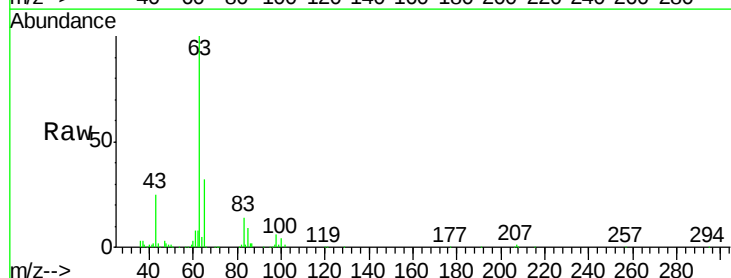
Manual Integrations
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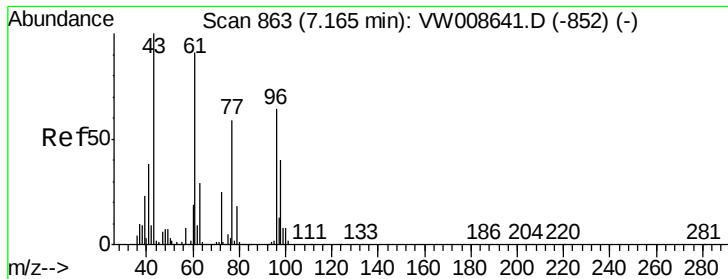
MMDadoda
 2/18/2019 2:34:36 PM



#24
 1,1-Dichloroethane
 Concen: 19.220 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	144535		
98	6.2		3.6	10.8
100	4.0		2.2	6.6





#25

2-Butanone

Concen: 93.986 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 43 Resp: 125337

Ion Ratio Lower Upper

43 100

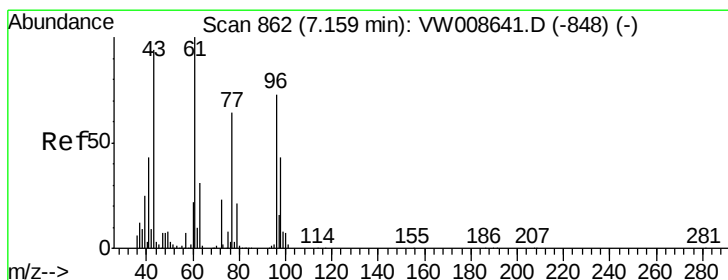
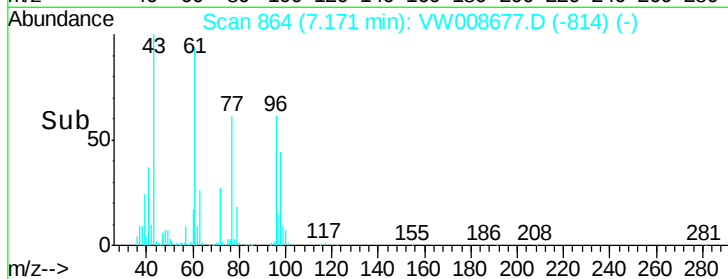
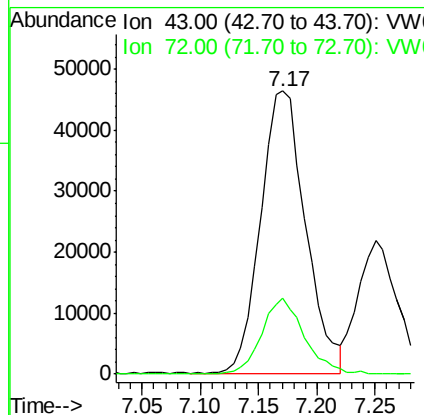
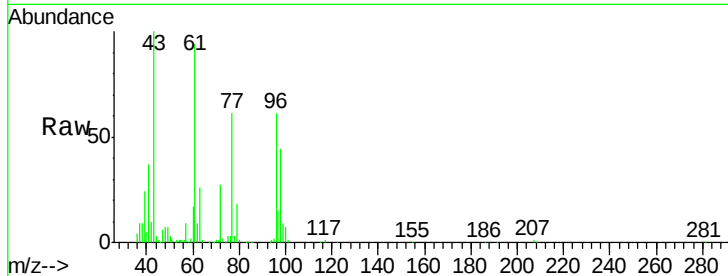
72 26.6 19.7 29.5

Manual Integrations

APPROVED

MMDadoda

2/18/2019 2:34:36 PM



#26

2,2-Dichloropropane

Concen: 19.853 ug/l

RT: 7.16 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW008677.D

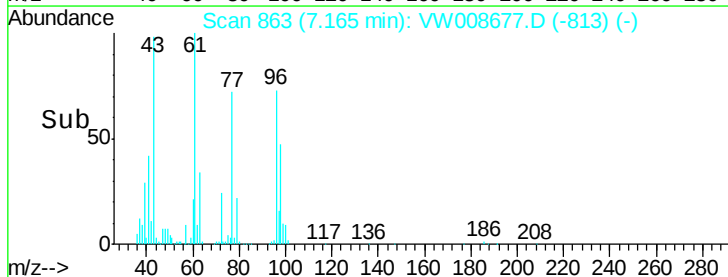
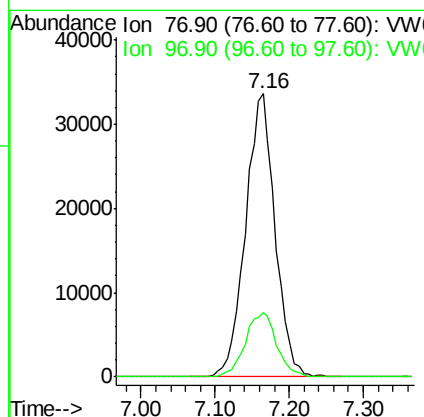
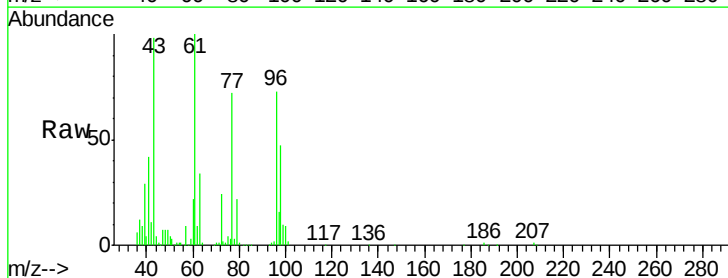
Acq: 15 Feb 2019 11:56

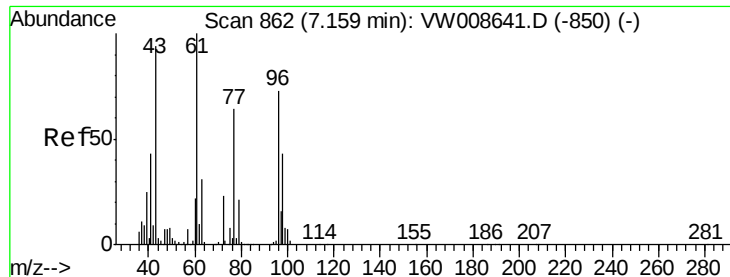
Tgt Ion: 77 Resp: 93265

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0





#27

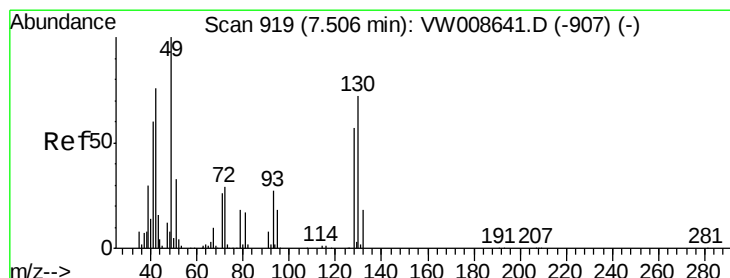
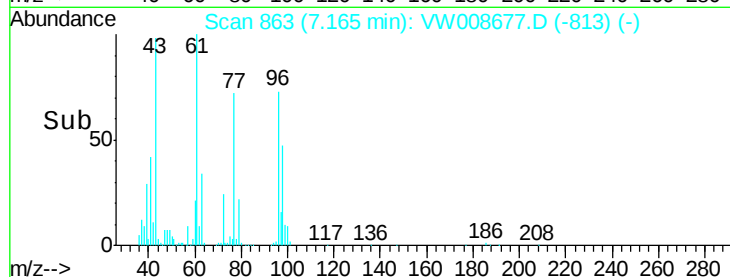
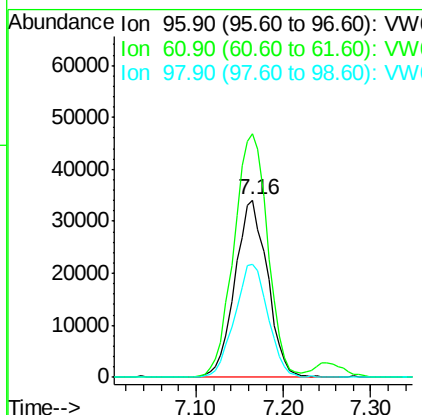
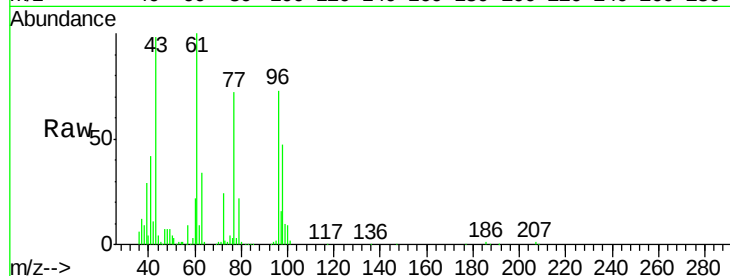
cis-1,2-Dichloroethene
 Concen: 19.179 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.2	0.0	286.4	
98	65.3	0.0	125.0	

Manual Integrations
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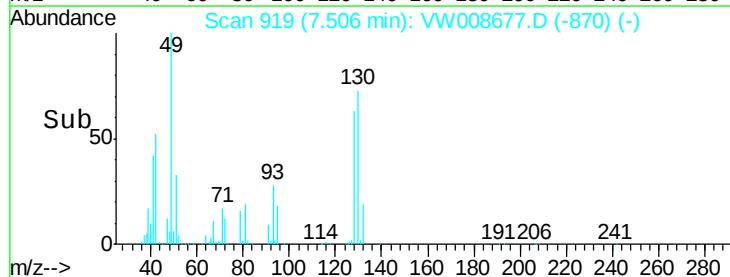
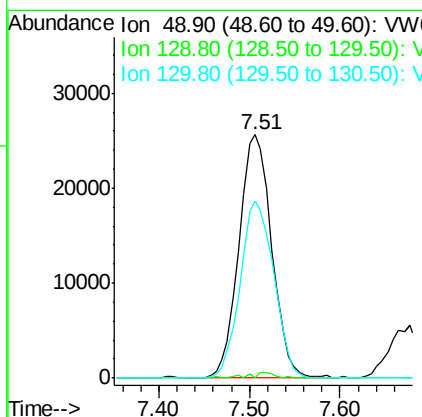
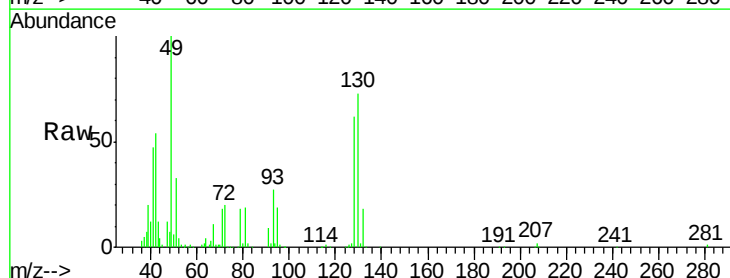
MMDadoda
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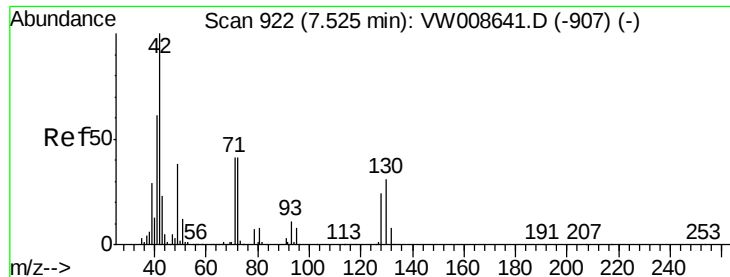


#28

Bromochloromethane
 Concen: 20.250 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	3.2	
130	74.8	59.4	89.0	





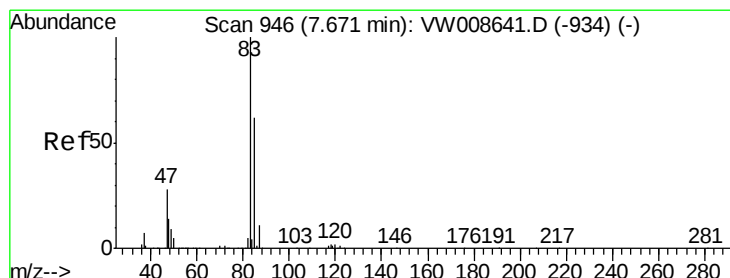
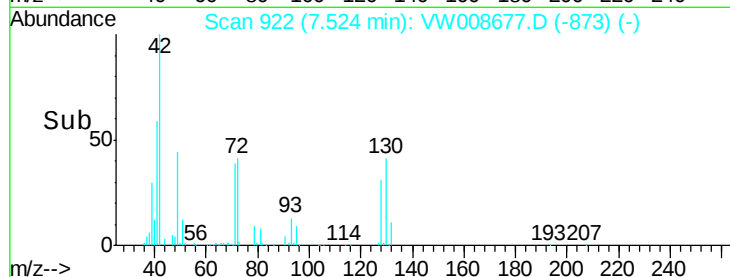
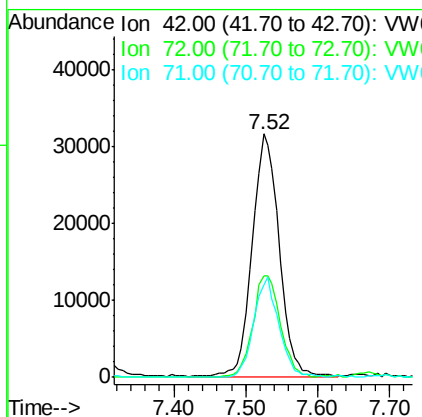
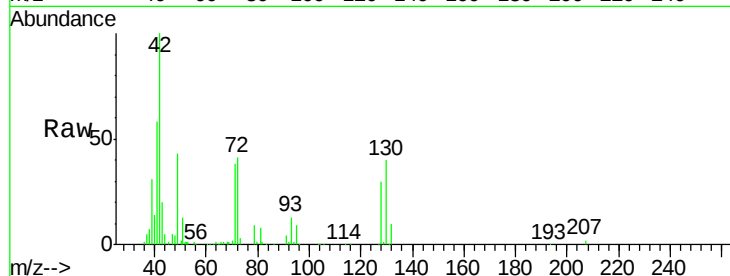
#29
Tetrahydrofuran
Concen: 92.872 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	32.2	48.2
71	39.0	31.0	46.6

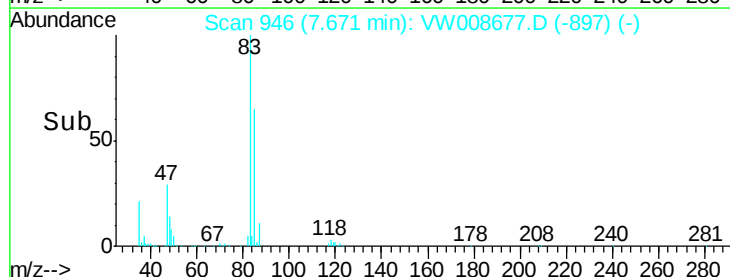
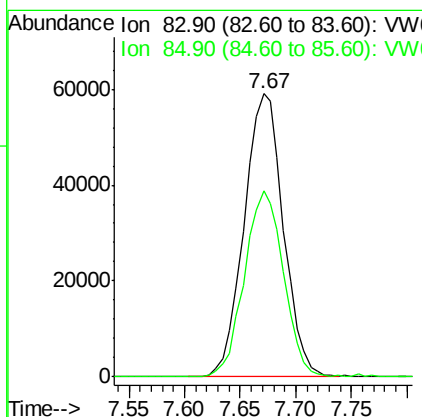
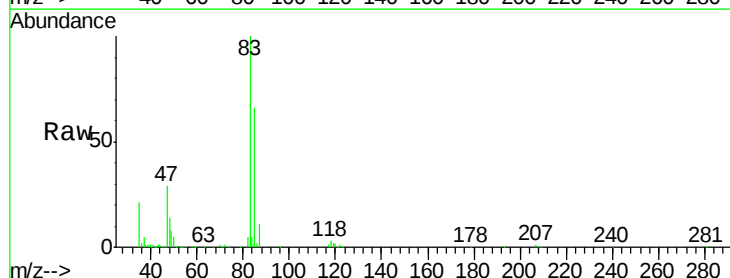
Manual Integrations
APPROVED

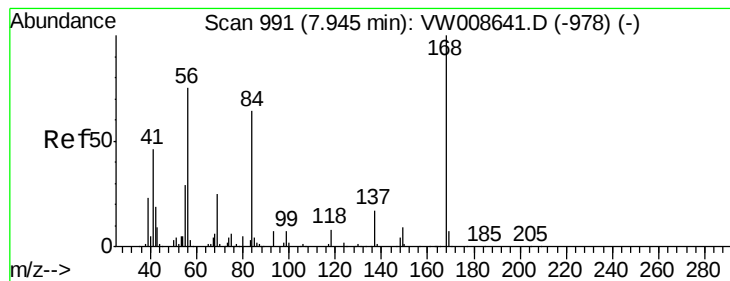
MMDadoda
2/18/2019 2:34:36 PM



#30
Chloroform
Concen: 19.190 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	49.8	74.8





#31

Cyclohexane

Concen: 19.307 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

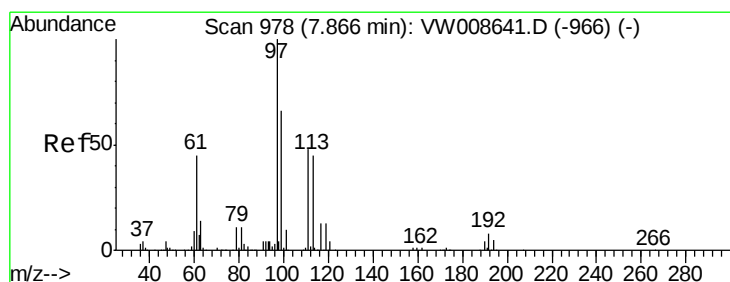
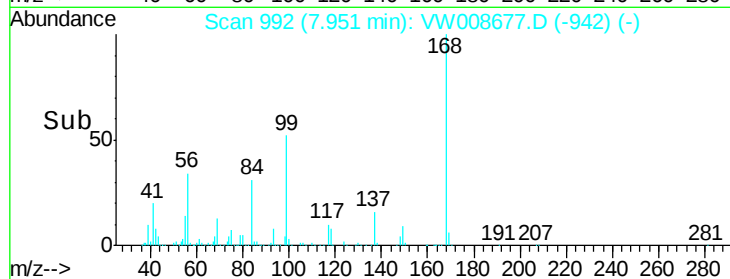
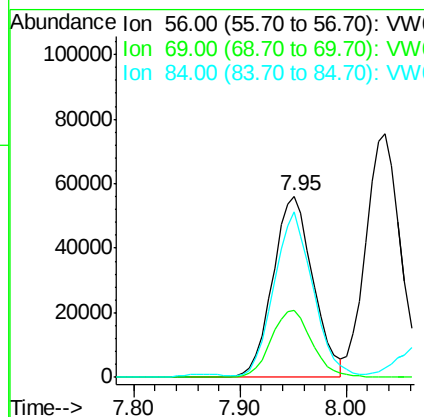
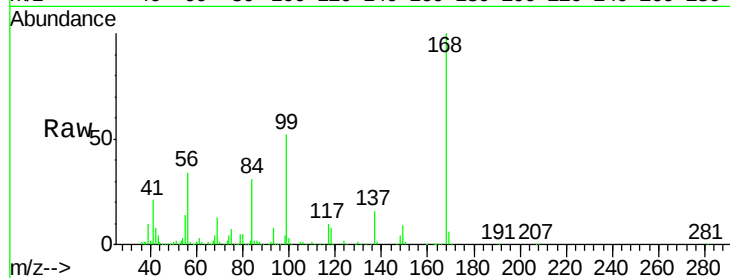
ClientSampleId :

VW0215SBS01

Tot Ion:	56	Resp:	146545
Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.4	39.6
84	90.0	67.4	101.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.477 ug/l

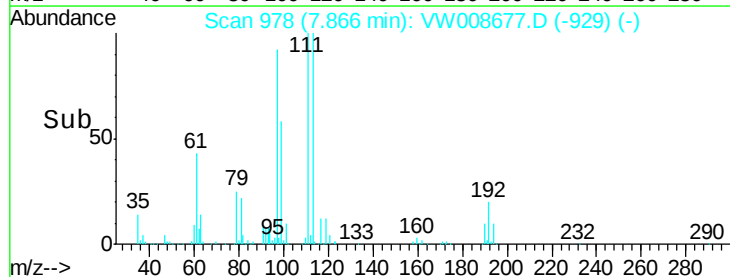
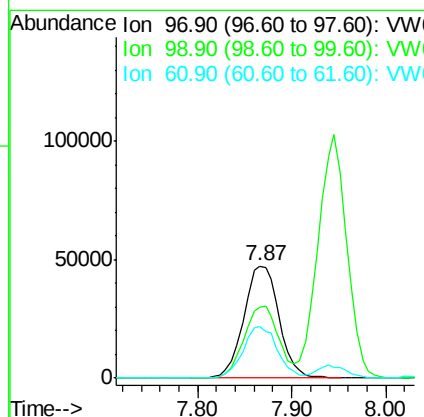
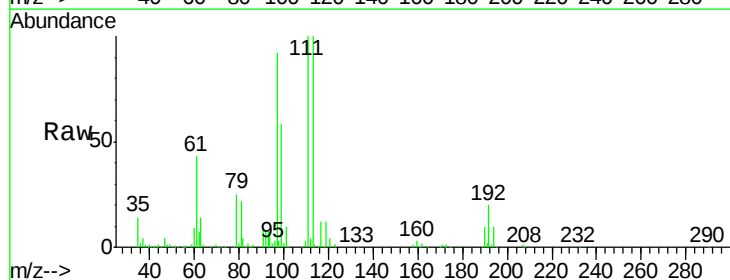
RT: 7.87 min Scan# 978

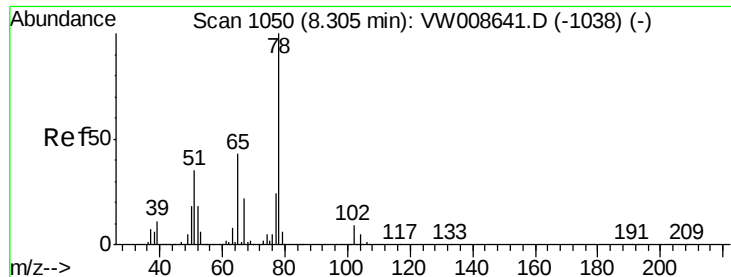
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	97	Resp:	123946
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.6	77.4
61	45.3	35.8	53.6





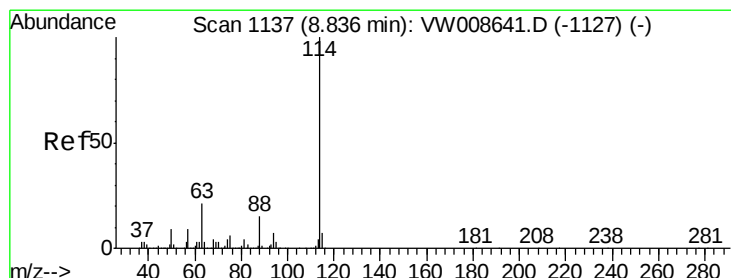
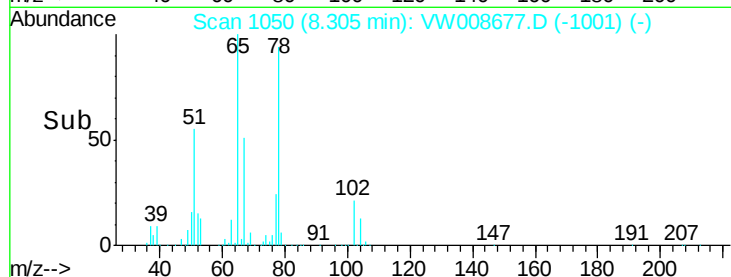
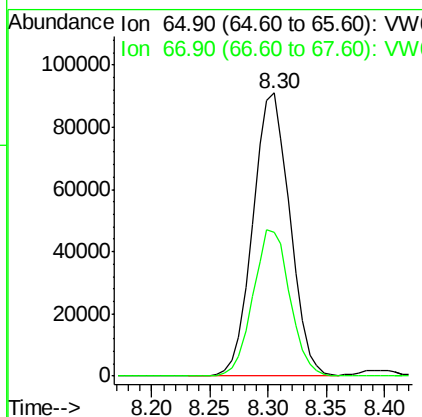
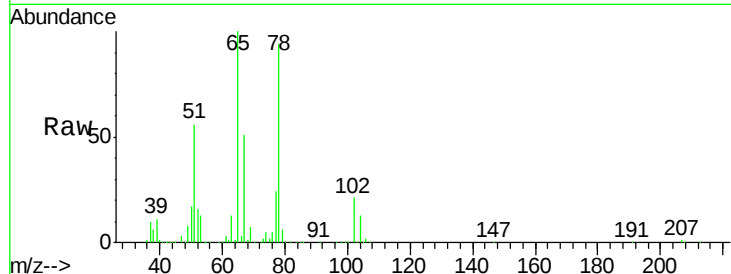
#33
 1,2-Dichloroethane-d4
 Concen: 48.301 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200462		
67	51.7	0.0	102.0	

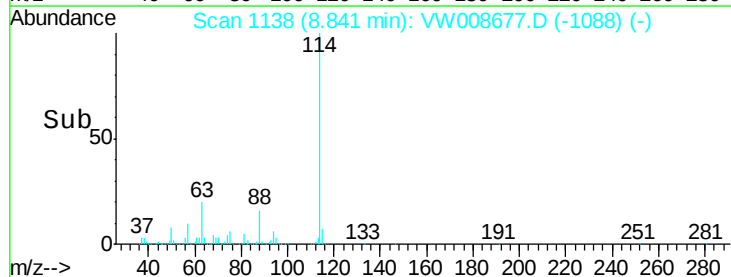
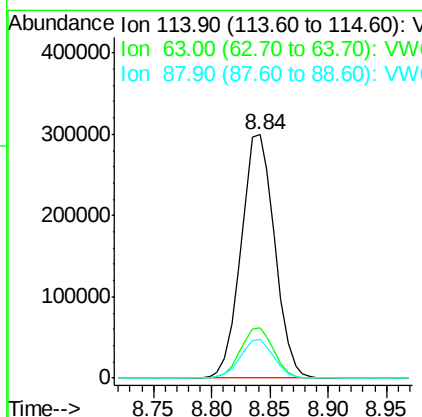
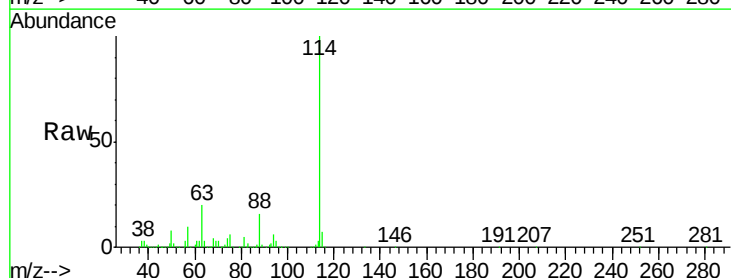
Manual Integrations
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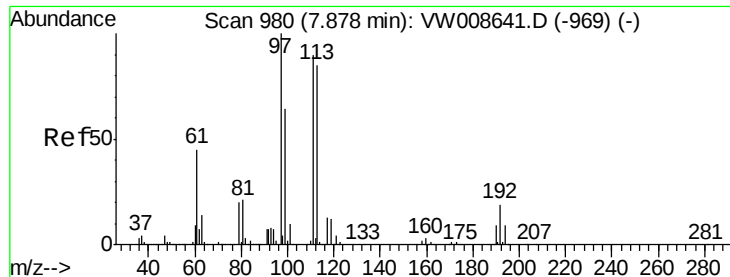
MMDadoda
 2/18/2019 2:34:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.01 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	602499		
63	20.4	0.0	41.2	
88	16.1	0.0	29.6	





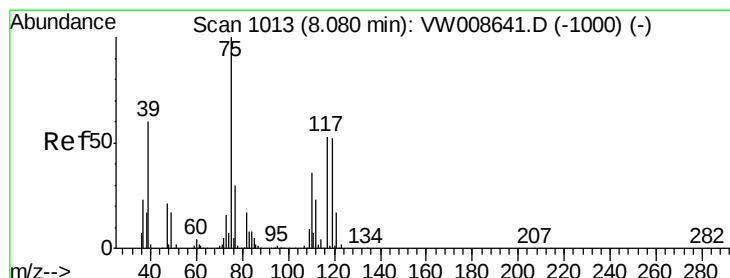
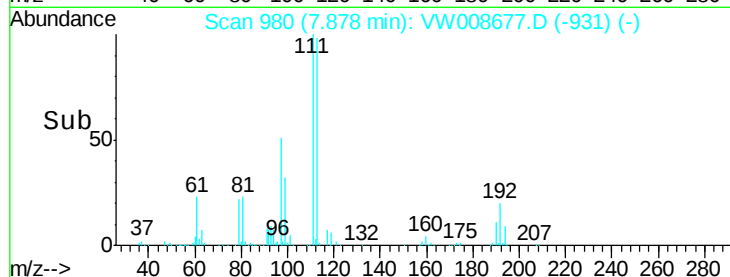
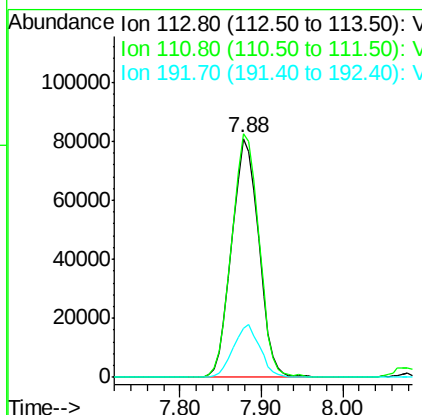
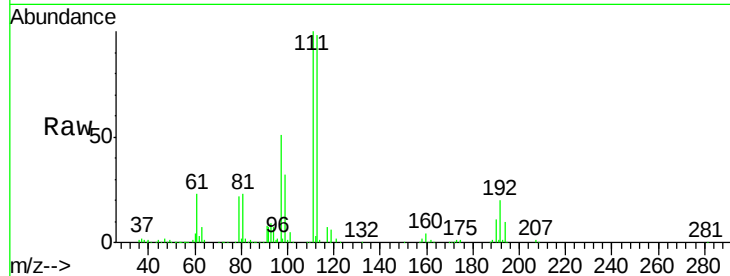
#35
 Dibromofluoromethane
 Concen: 49.691 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	185903		
111	102.8	84.0	126.0	
192	21.6	17.4	26.2	

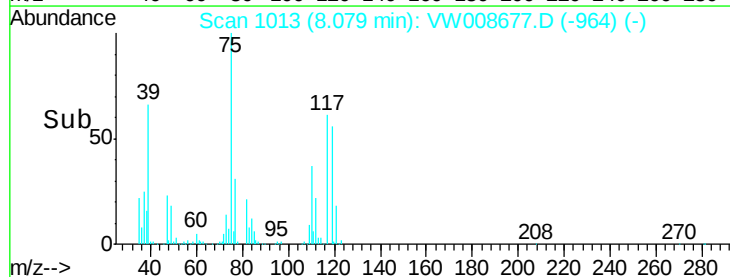
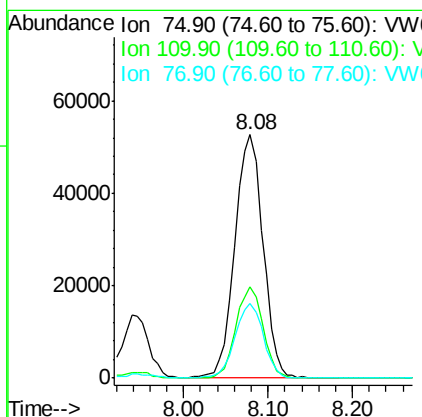
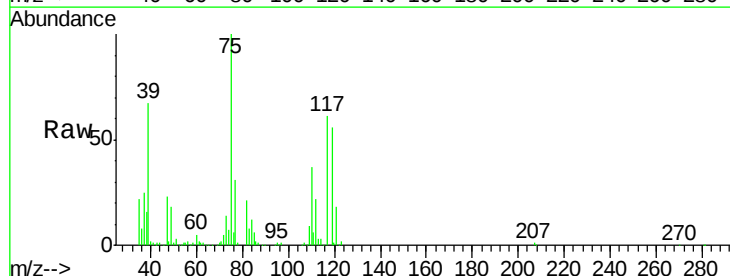
Manual Integrations
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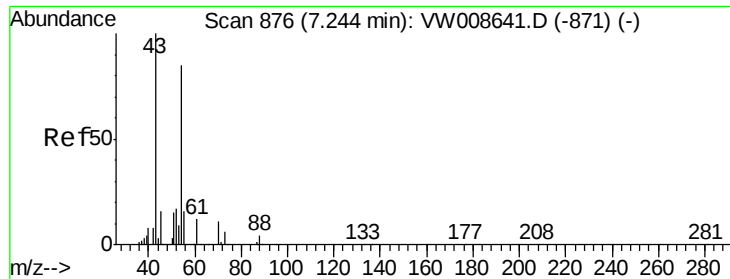
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.618 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	118748		
110	36.0	17.8	53.3	
77	30.9	24.7	37.1	





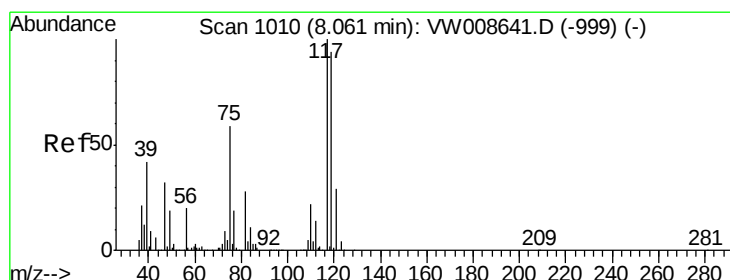
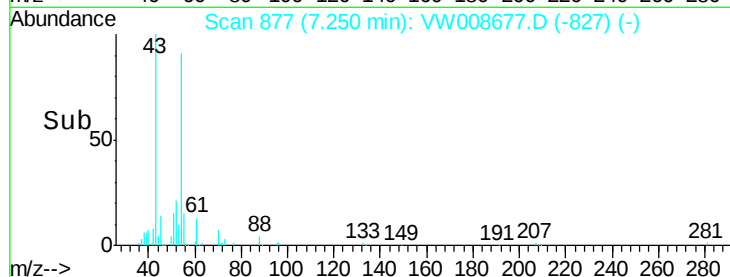
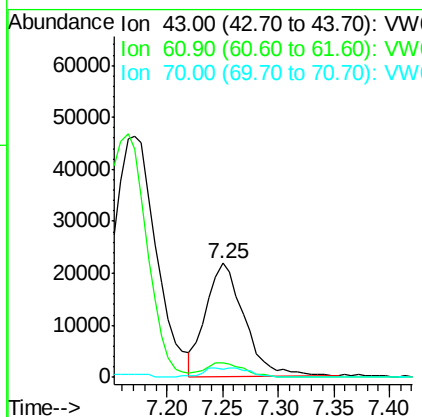
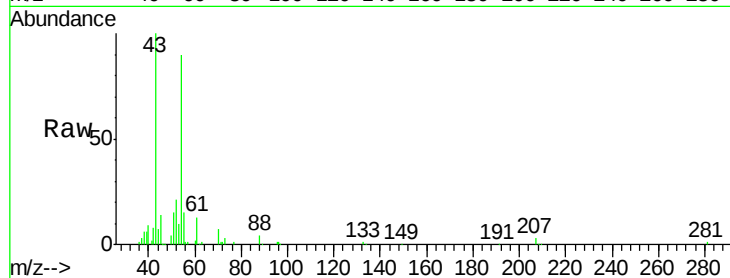
#37
Ethyl Acetate
Concen: 17.884 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	4.7	8.1	12.1#

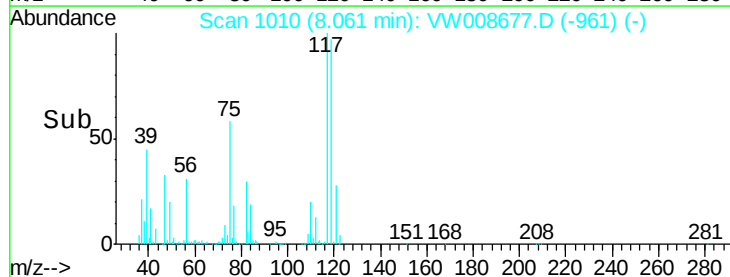
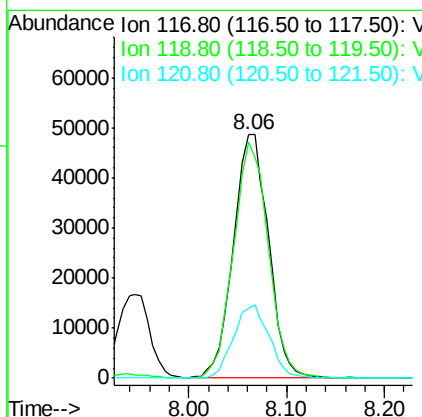
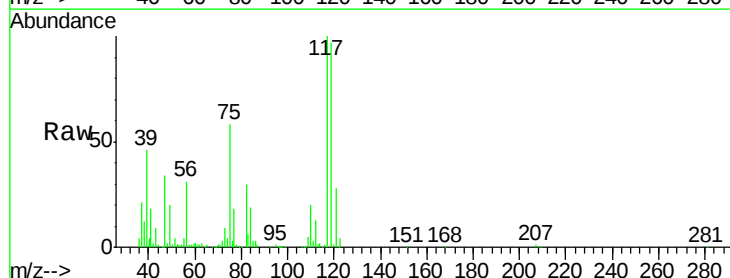
Manual Integrations
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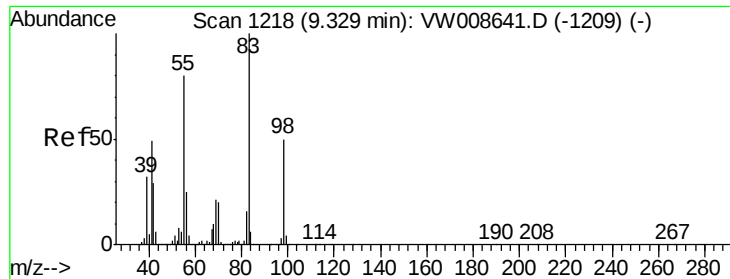
MMDadoda
2/18/2019 2:34:36 PM



#38
Carbon Tetrachloride
Concen: 20.256 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.1	112.7
121	28.4	23.5	35.3





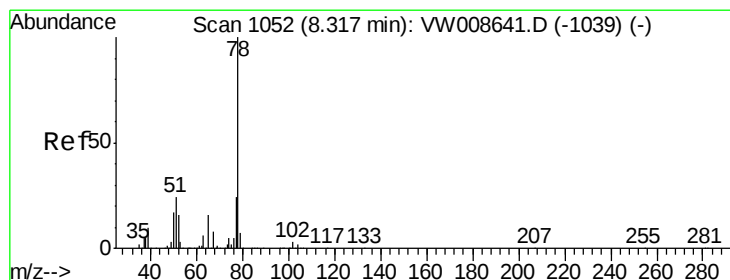
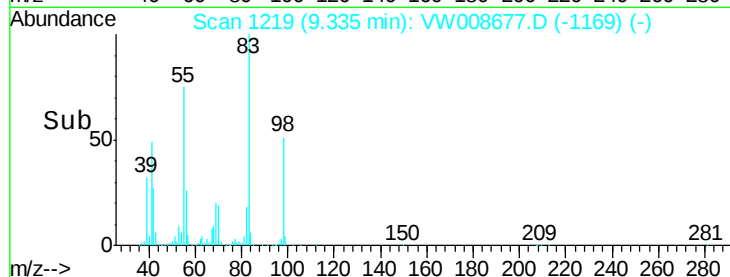
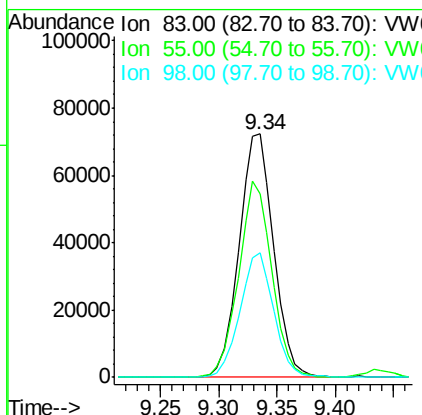
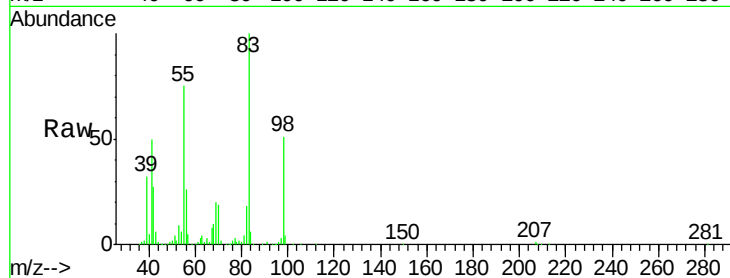
#39
Methvlcvclohexane
Concen: 19.517 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	63.9	95.9
98	51.4	40.2	60.2

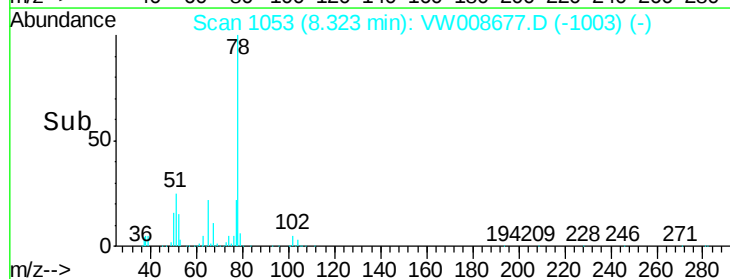
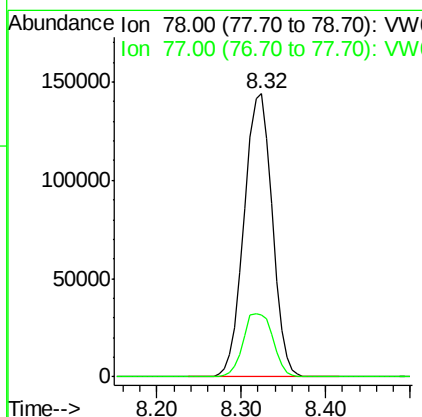
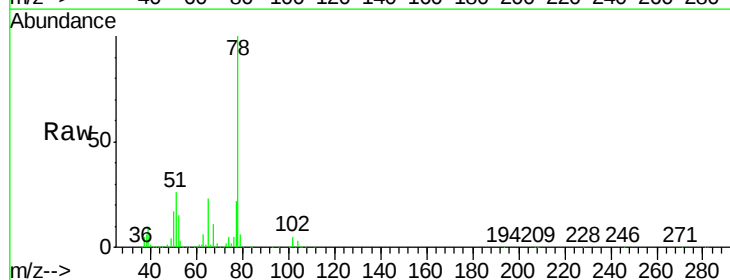
Manual Integrations
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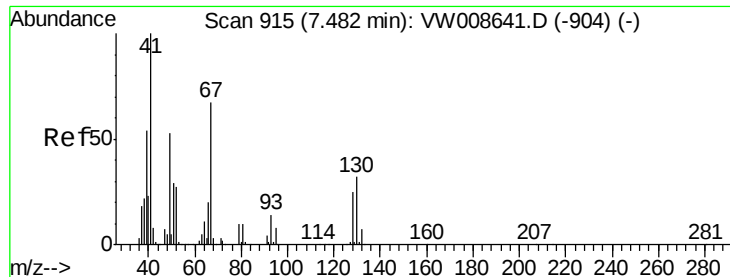
MMDadoda
2/18/2019 2:34:36 PM



#40
Benzene
Concen: 19.620 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	19.5	29.3





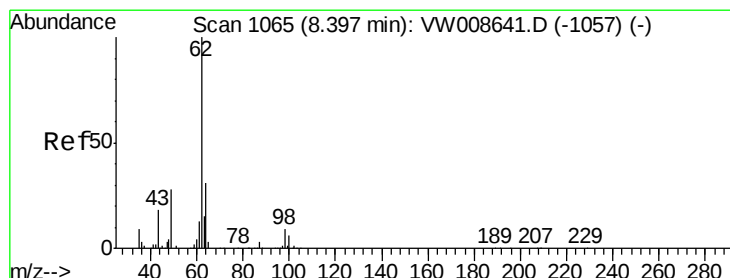
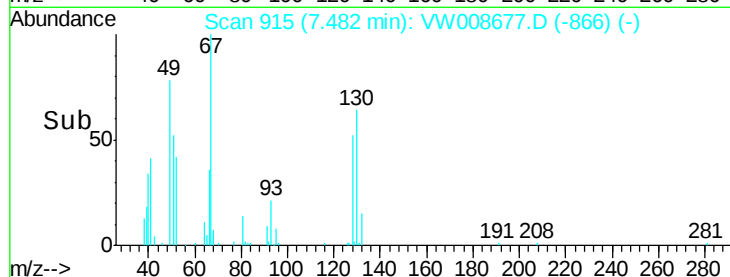
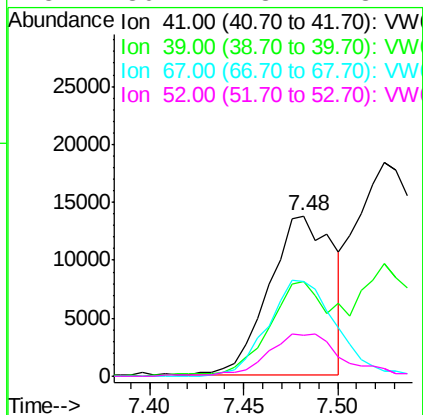
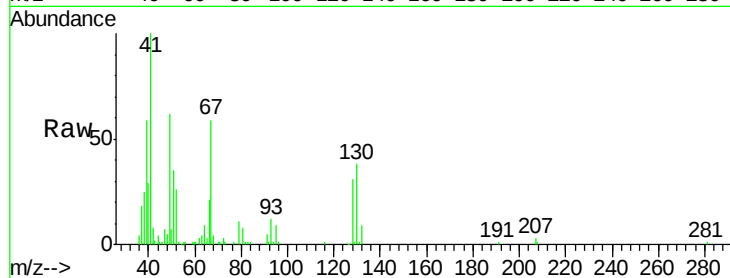
#41
Methacrylonitrile
Concen: 19.894 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.2	39.7	59.5
67	63.8	52.5	78.7
52	30.4	23.1	34.7

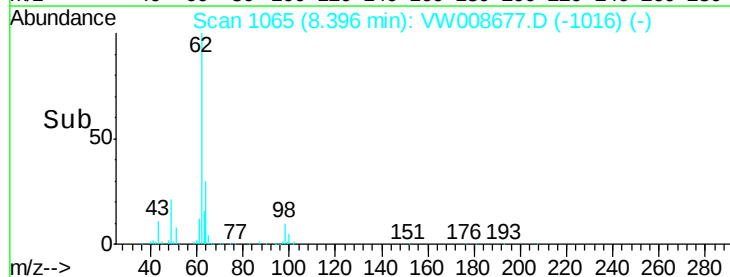
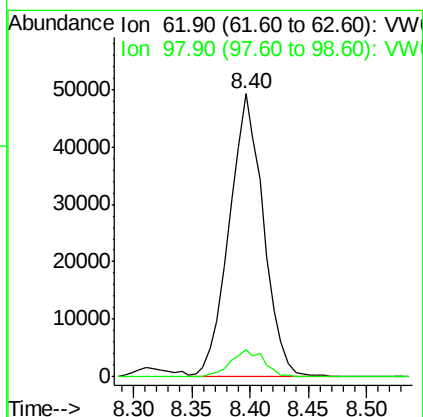
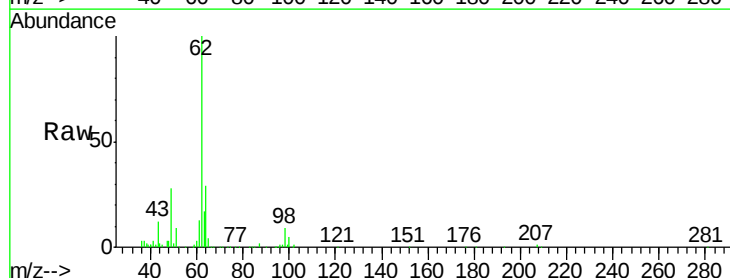
Manual Integrations
APPROVED

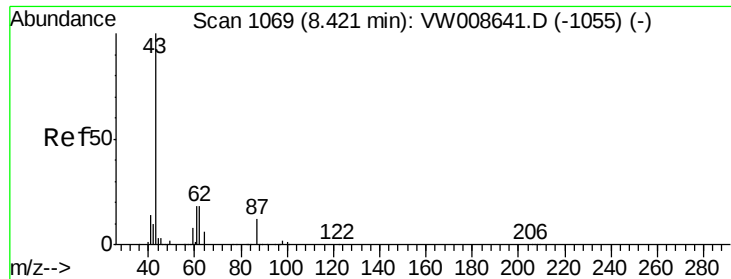
MMDadoda
2/18/2019 2:34:36 PM



#42
1,2-Dichloroethane
Concen: 19.595 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.2





#43

Isopropyl Acetate

Concen: 18.513 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

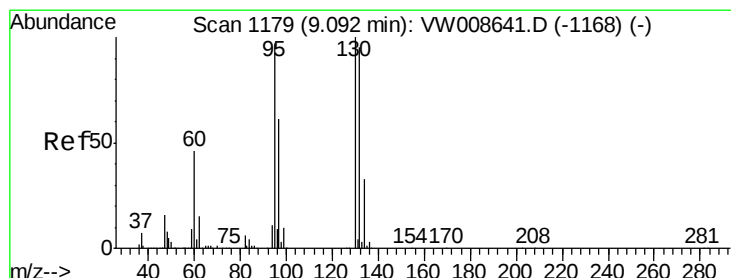
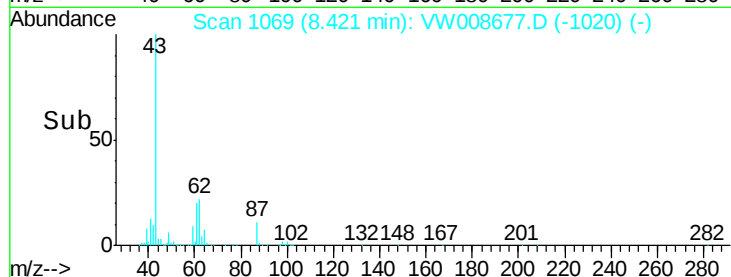
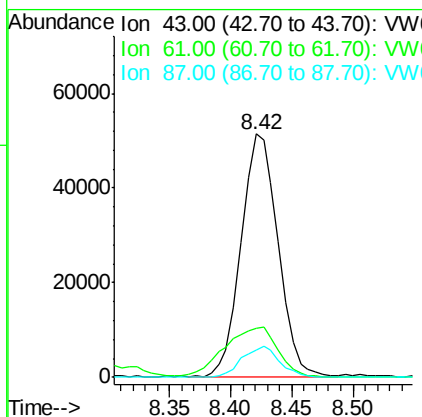
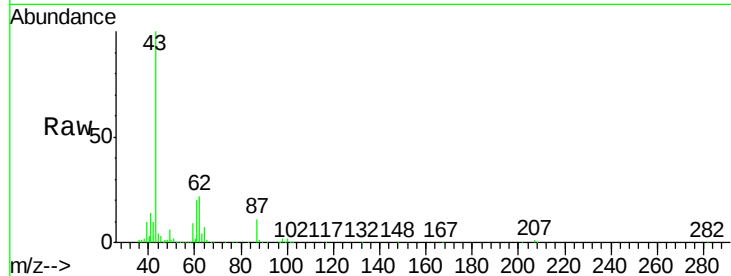
ClientSampleId :

VW0215SBS01

Tot Ion:	43	Resp:	107791
Ion	Ratio	Lower	Upper
43	100		
61	30.1	21.4	32.2
87	13.1	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 19.587 ug/l

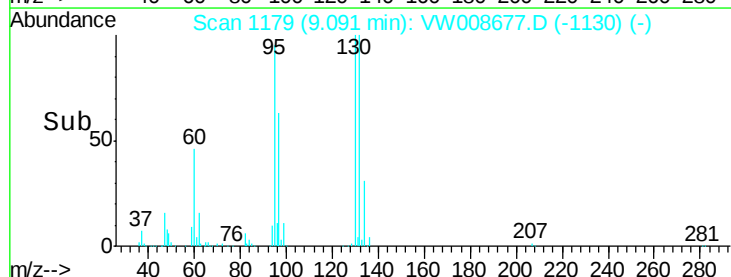
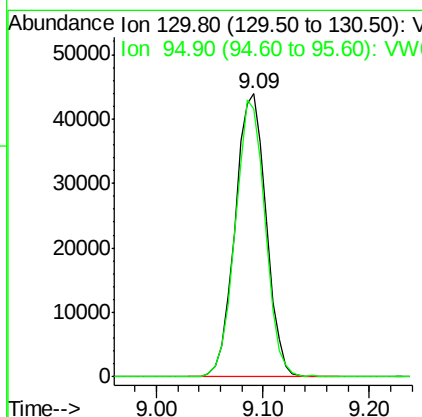
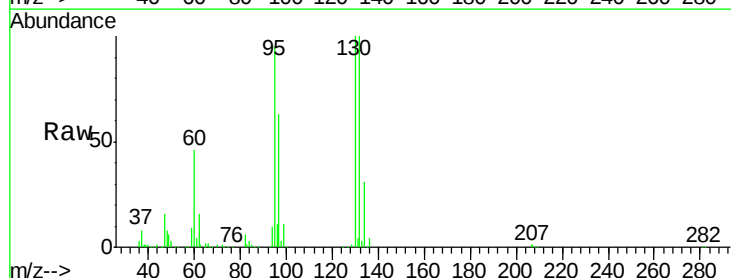
RT: 9.09 min Scan# 1179

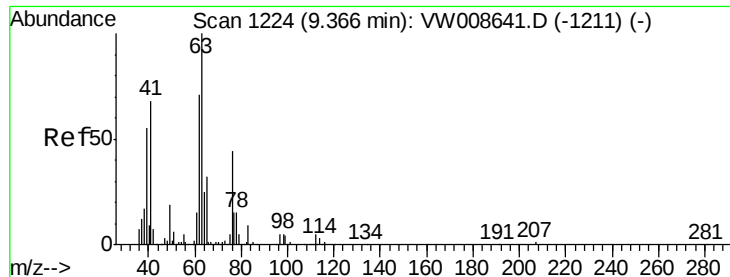
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	130	Resp:	89782
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	193.4





#45

1,2-Dichloropropane

Concen: 19.276 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 63 Resp: 78865

Ion Ratio Lower Upper

63 100

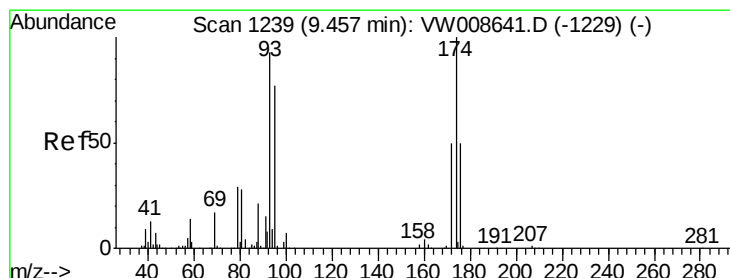
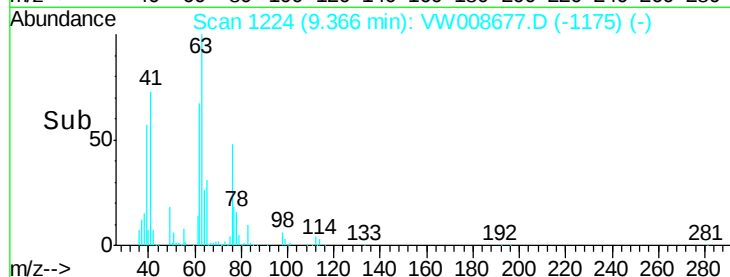
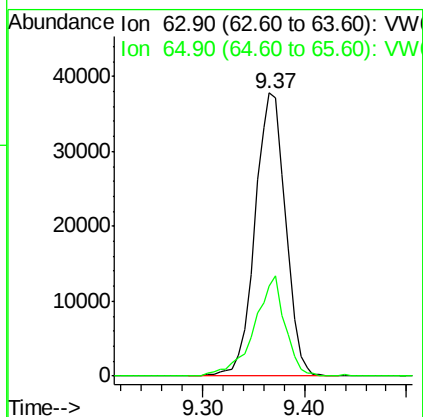
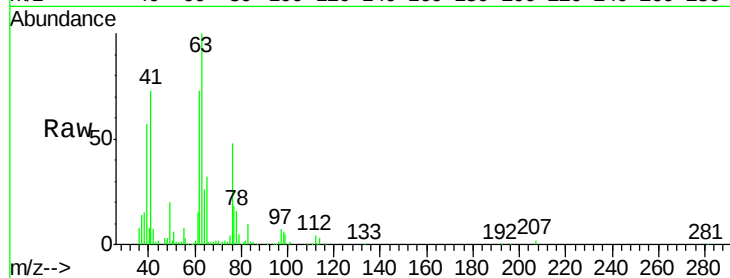
65 32.0 25.4 38.0

Manual Integrations

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2/18/2019 2:34:36 PM



#46

Dibromomethane

Concen: 19.810 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

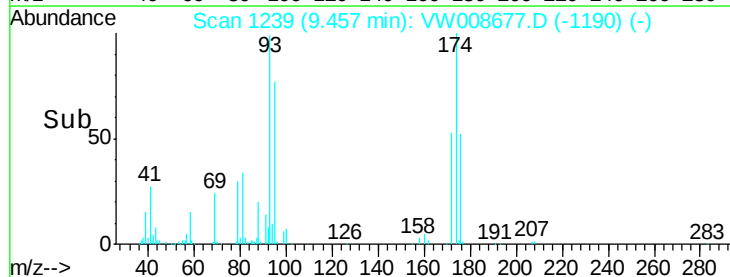
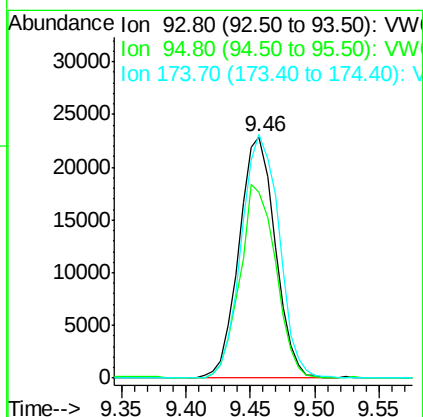
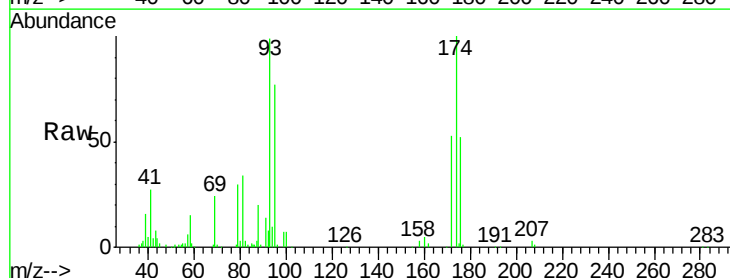
Tgt Ion: 93 Resp: 44648

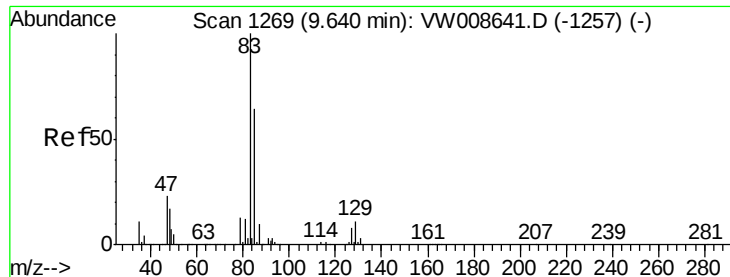
Ion Ratio Lower Upper

93 100

95 79.1 65.8 98.8

174 105.0 82.5 123.7





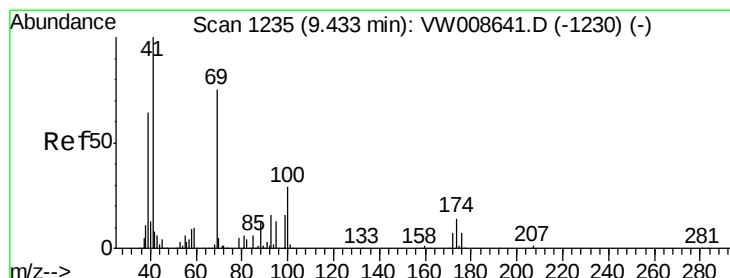
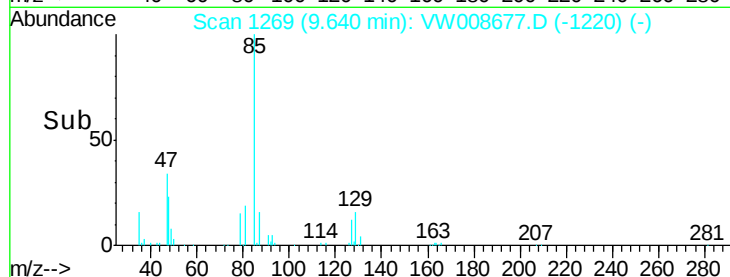
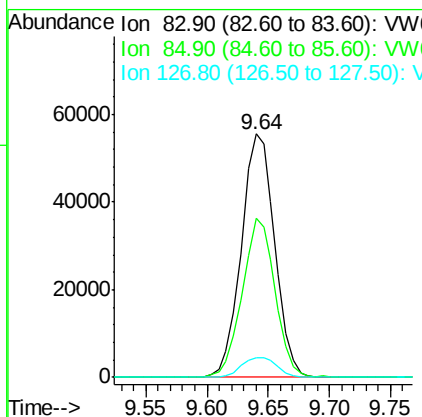
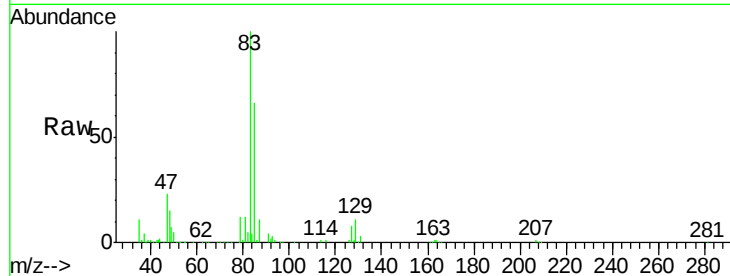
#47
Bromodichloromethane
Concen: 19.451 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	105354		
85	65.6	51.2	76.8	
127	8.0	6.4	9.6	

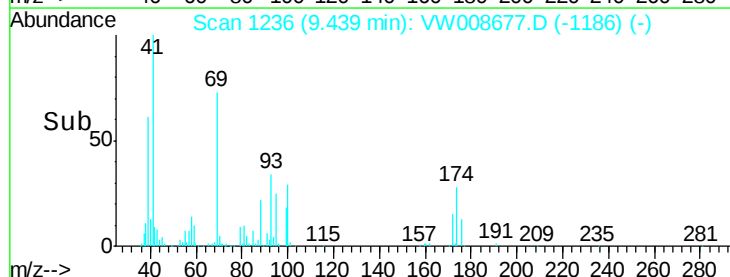
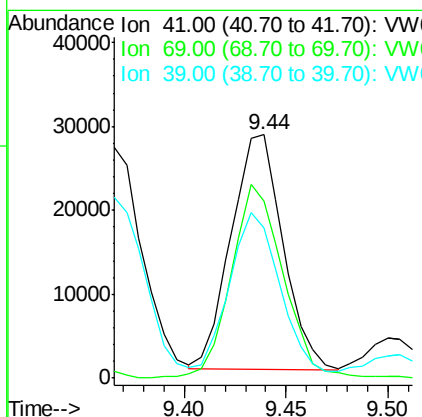
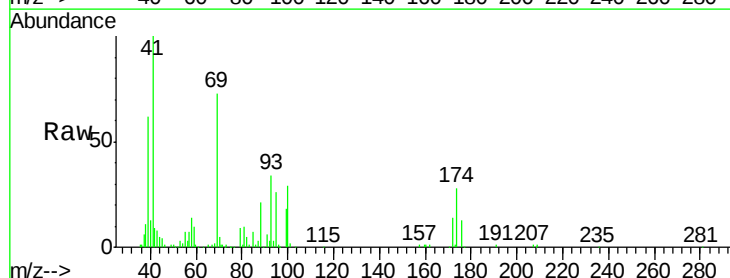
Manual Integrations
APPROVED

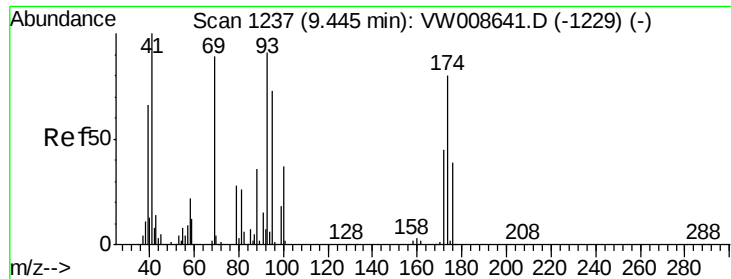
MMDadoda
2/18/2019 2:34:36 PM



#48
Methyl methacrylate
Concen: 18.323 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49441		
69	82.9	64.1	96.1	
39	64.8	52.3	78.5	





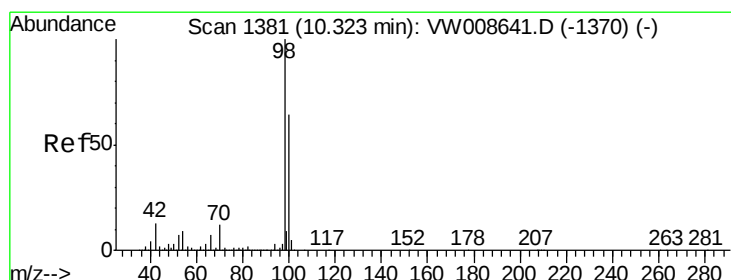
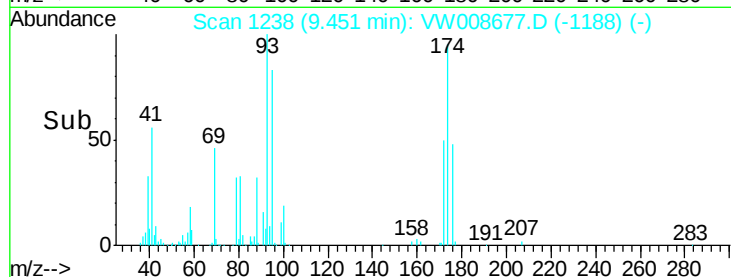
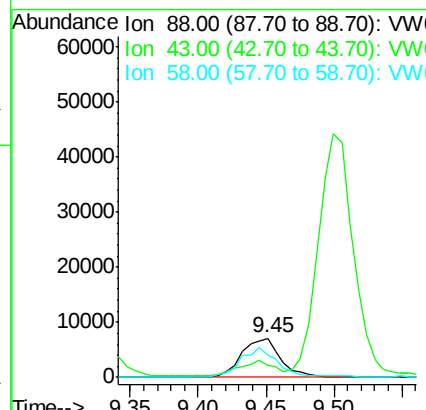
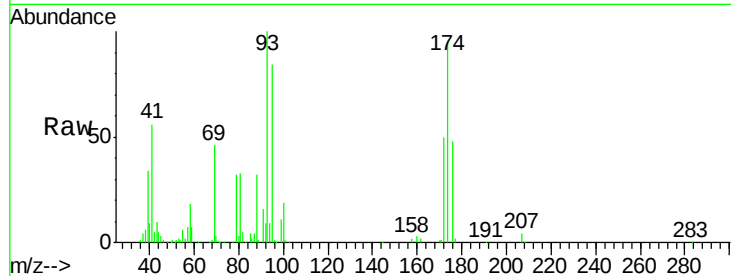
#49
1,4-Dioxane
Concen: 393.799 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.0	31.0	46.6
58	73.7	57.0	85.6

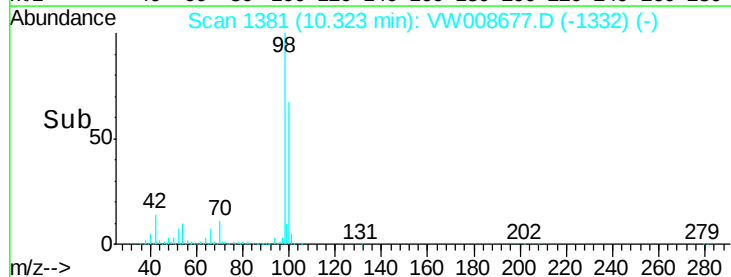
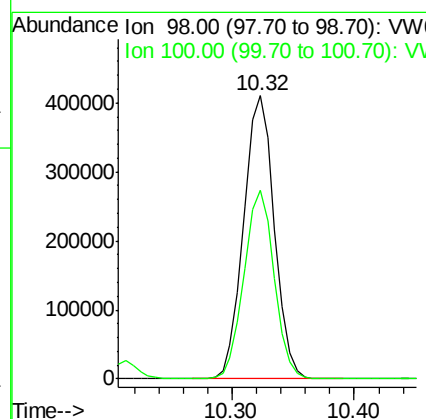
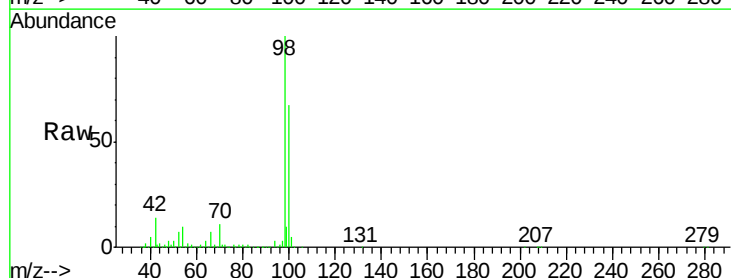
Manual Integrations
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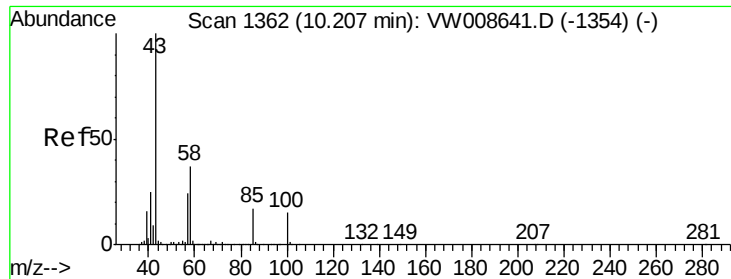
MMDadoda
2/18/2019 2:34:36 PM



#50
Toluene-d8
Concen: 49.470 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 93.613 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 43 Resp: 279988

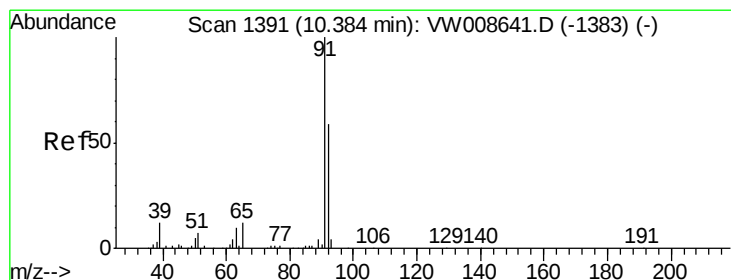
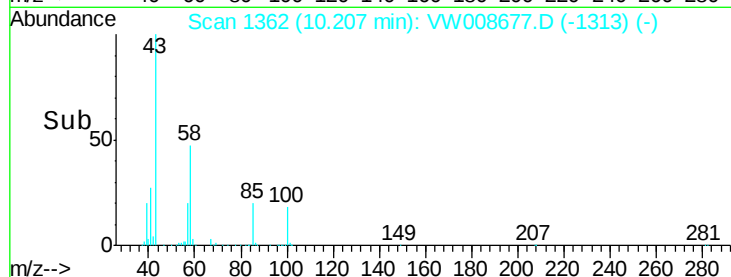
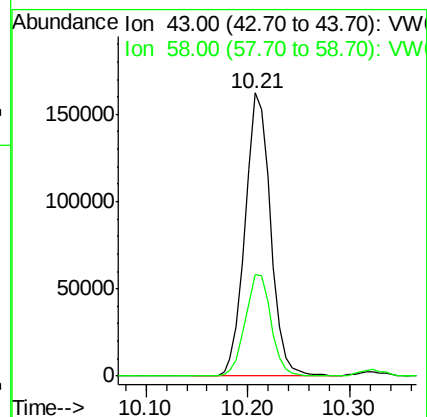
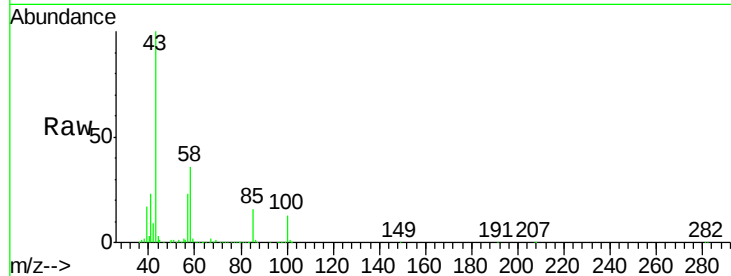
Ion Ratio Lower Upper

43 100

58 36.4 29.0 43.6

Manual Integrations
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#52

Toluene

Concen: 19.527 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW008677.D

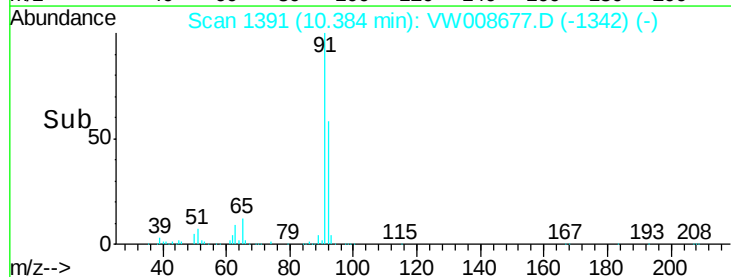
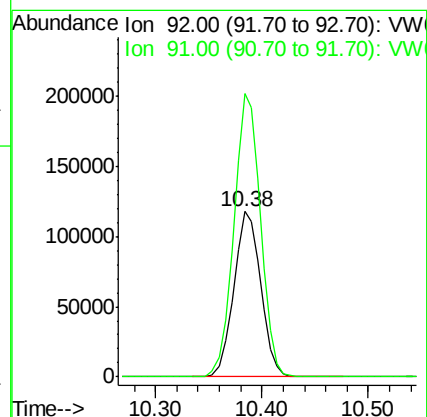
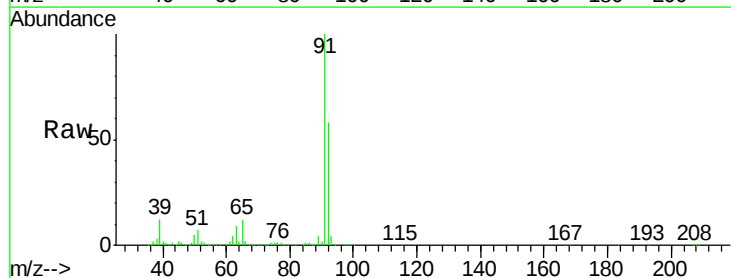
Acq: 15 Feb 2019 11:56

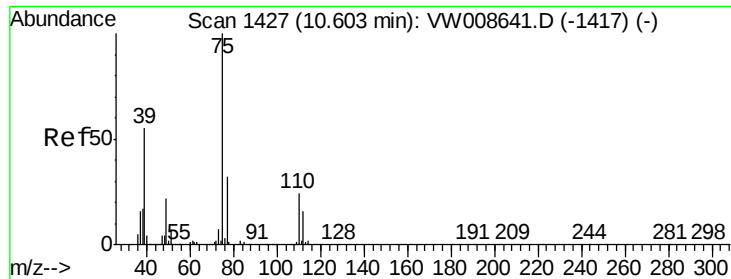
Tgt Ion: 92 Resp: 208252

Ion Ratio Lower Upper

92 100

91 169.1 135.8 203.6





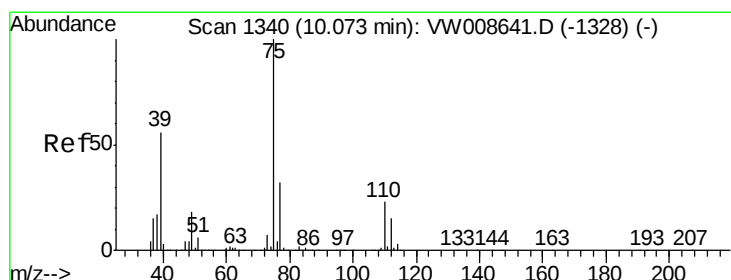
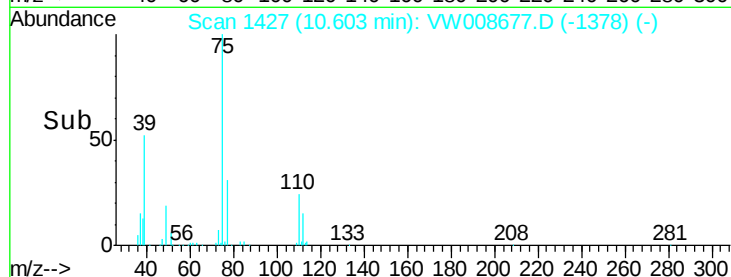
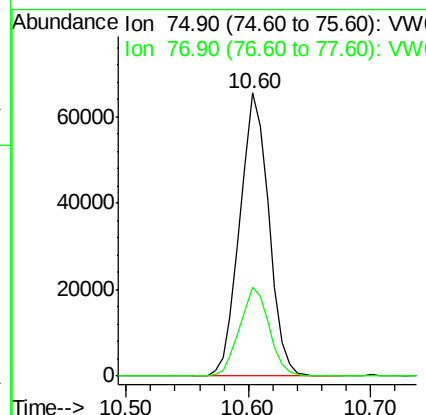
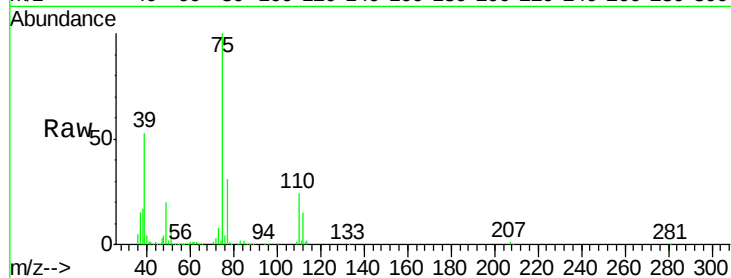
#53
t-1,3-Dichloropropene
Concen: 18.908 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.7	38.5

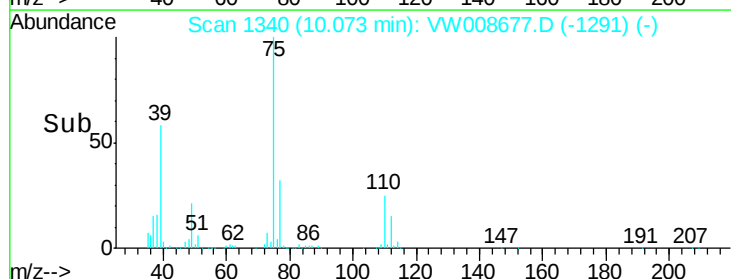
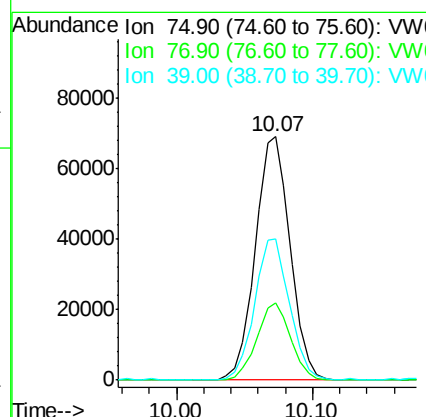
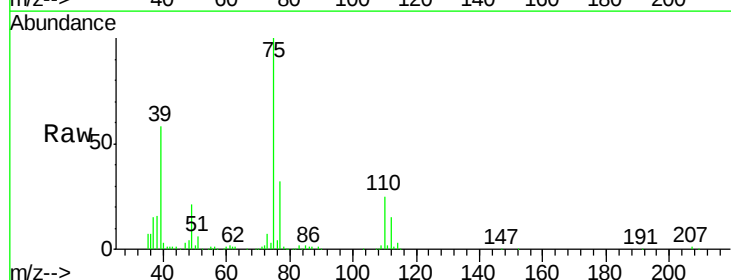
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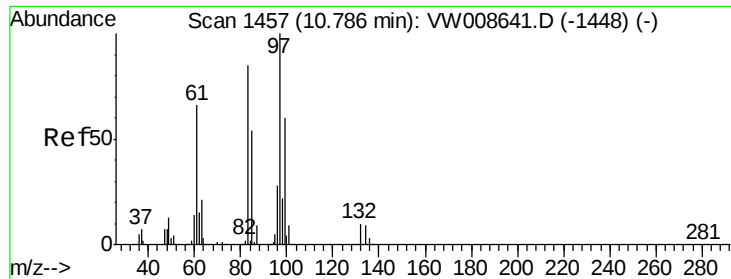
MMDadoda
2/18/2019 2:34:36 PM



#54
cis-1,3-Dichloropropene
Concen: 19.165 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.0
39	57.9	44.5	66.7





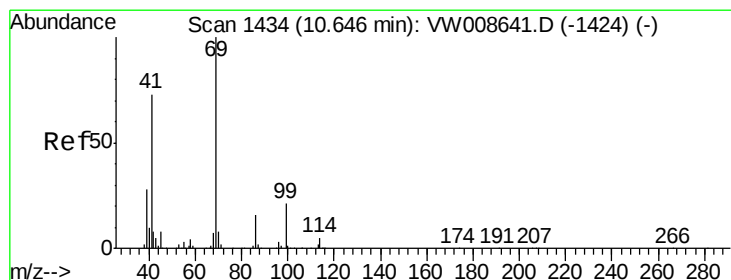
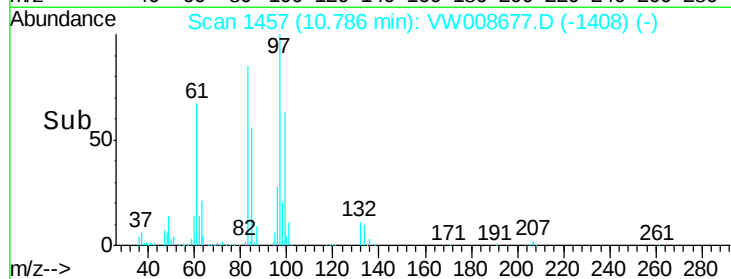
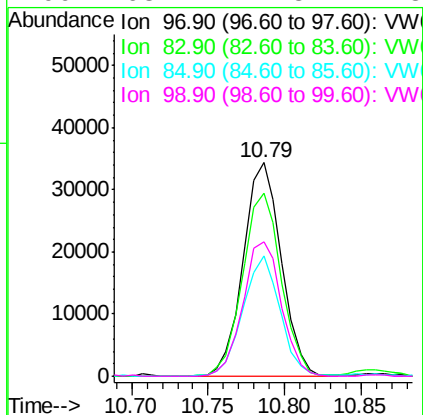
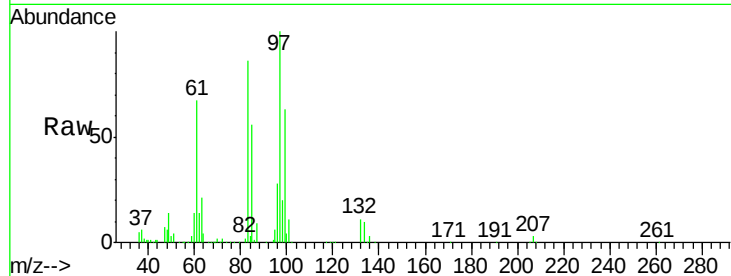
#55
 1,1,2-Trichloroethane
 Concen: 19.228 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		59462		
83	85.5	68.4	102.6		
85	56.1	43.1	64.7		
99	63.2	47.8	71.8		

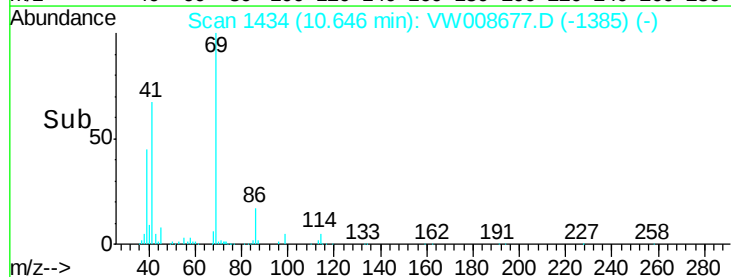
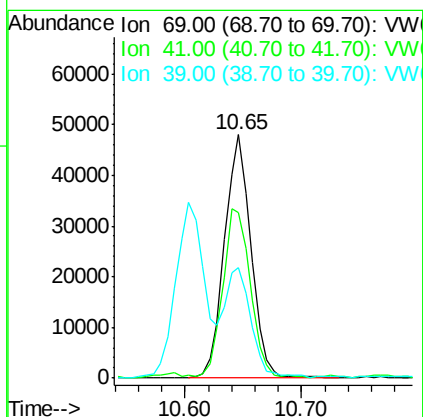
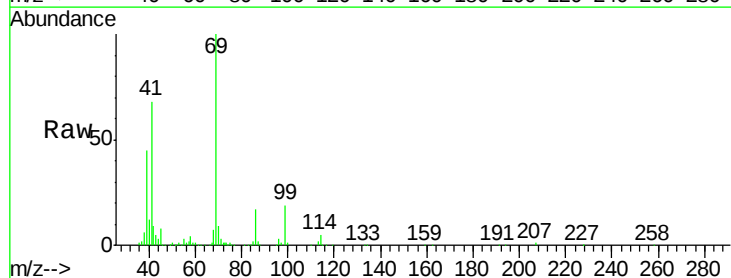
Manual Integrations
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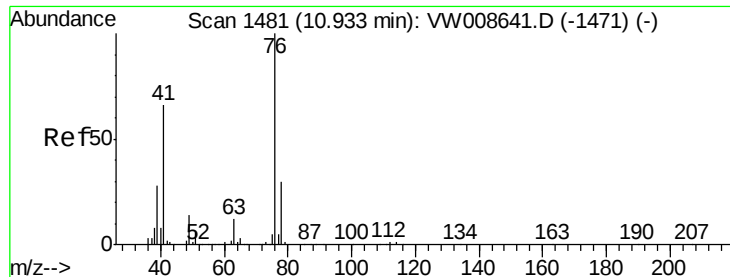
MMDadoda
 2/18/2019 2:34:36 PM



#56
 Ethyl methacrylate
 Concen: 18.473 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		75857		
41	71.7	59.0	88.4		
39	43.6	34.4	51.6		





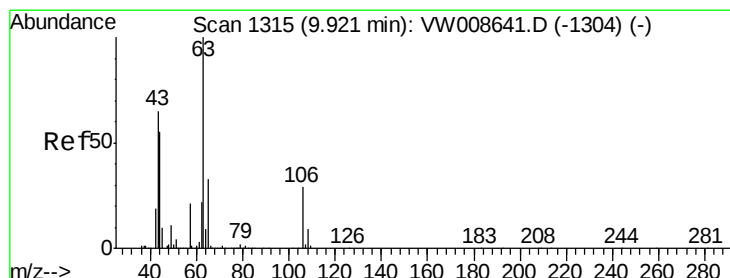
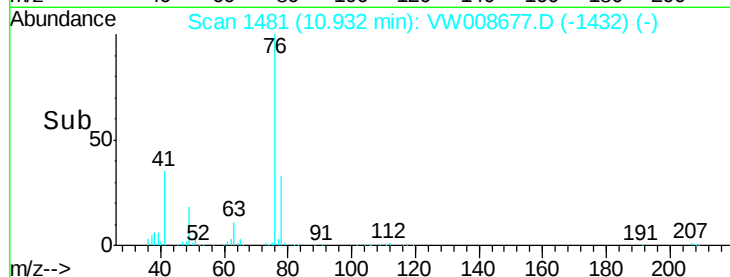
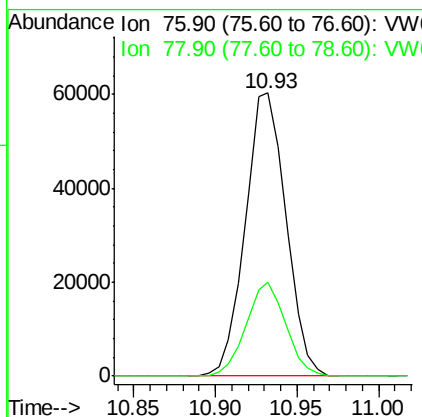
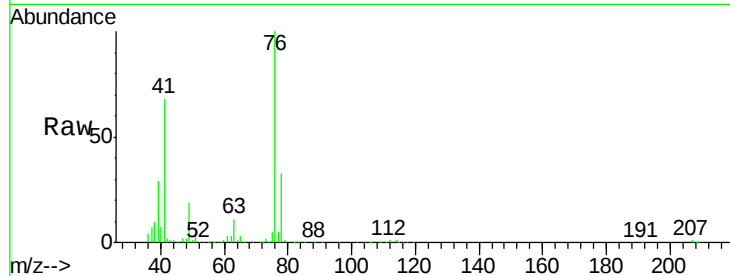
#57
 1,3-Dichloropropane
 Concen: 19.136 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.4	38.0

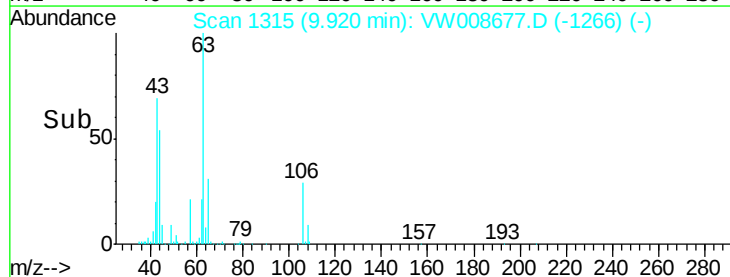
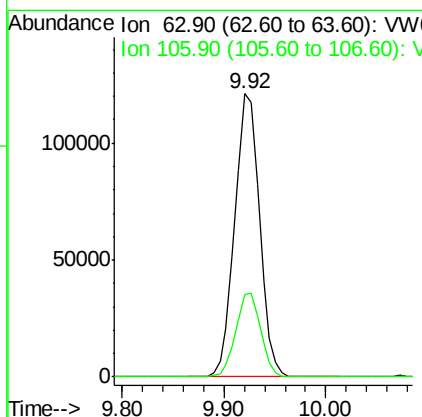
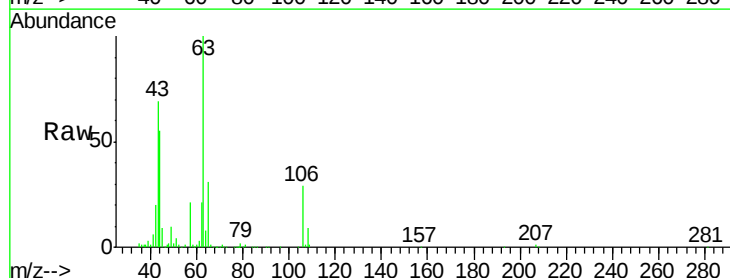
Manual Integrations
 APPROVED

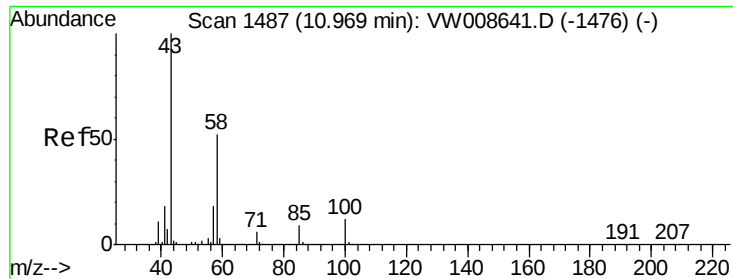
MMDadoda
 2/18/2019 2:34:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.532 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.4	35.2





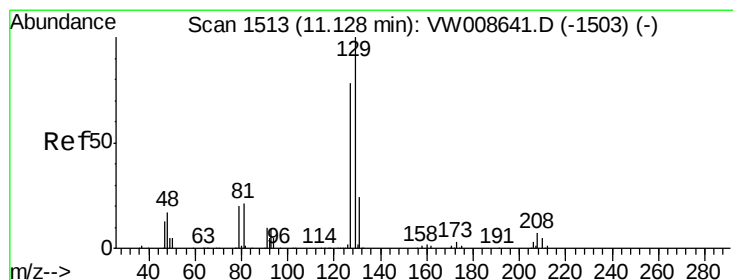
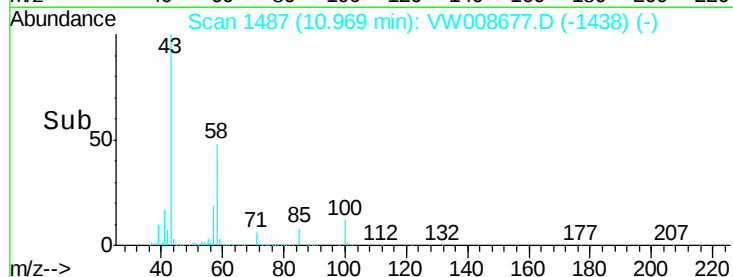
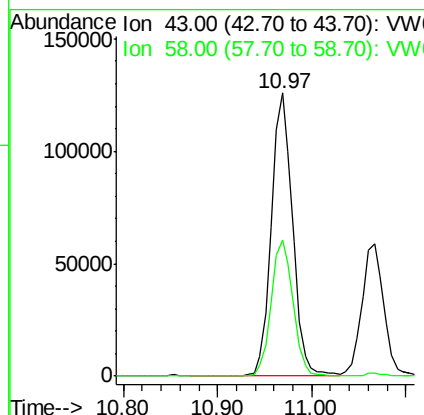
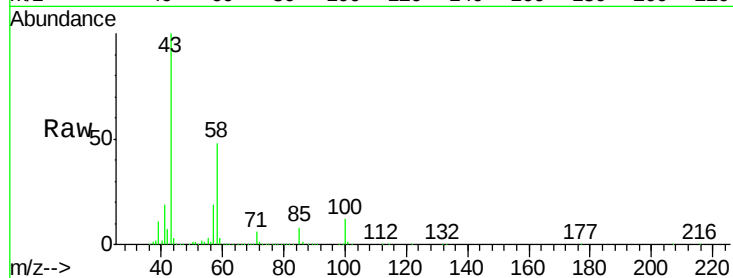
#59
2-Hexanone
Concen: 94.667 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion: 43 Resp: 198907
Ion Ratio Lower Upper
43 100
58 49.4 25.6 76.6

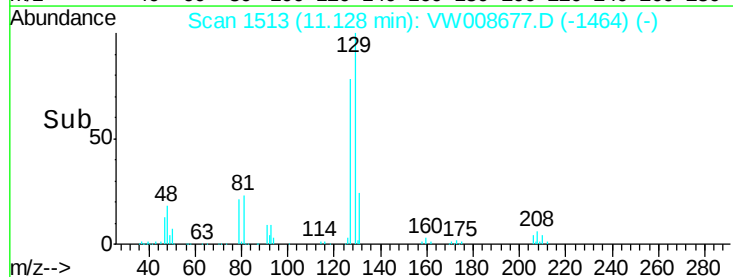
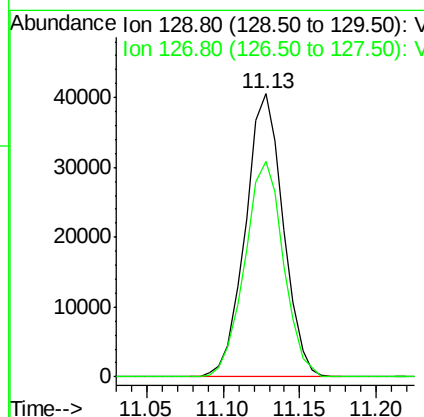
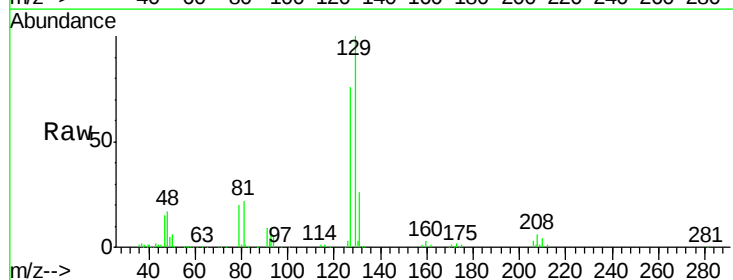
Manual Integrations
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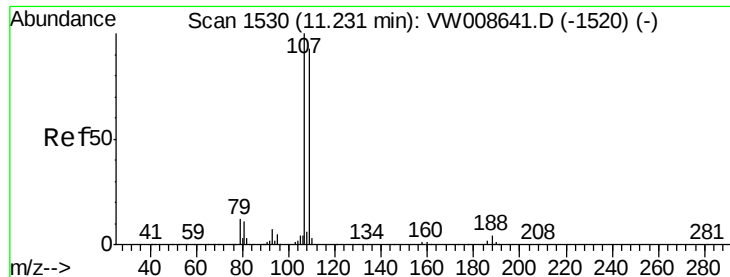
MMDadoda
2/18/2019 2:34:36 PM



#60
Dibromochloromethane
Concen: 18.776 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion: 129 Resp: 69475
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.3





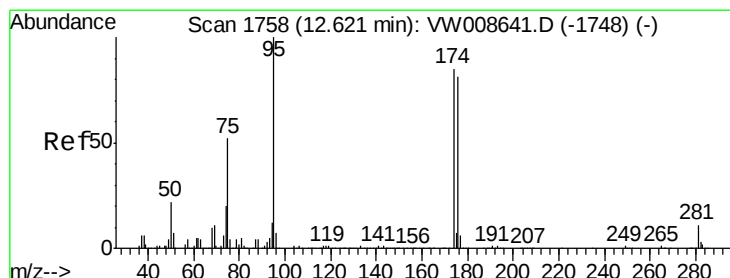
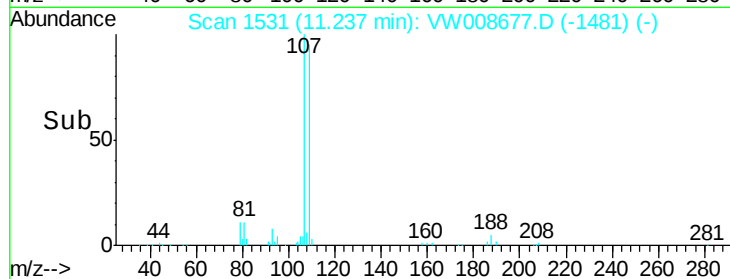
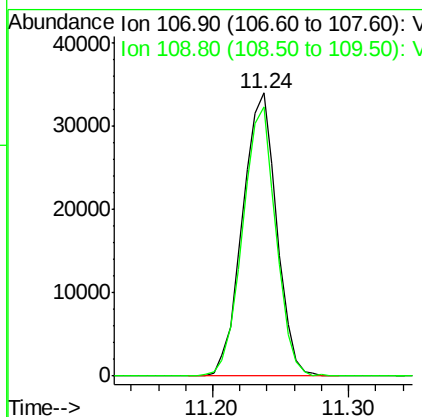
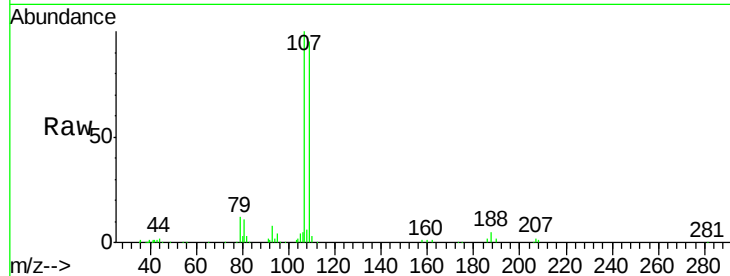
#61
 1,2-Dibromoethane
 Concen: 19.648 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.8	112.2

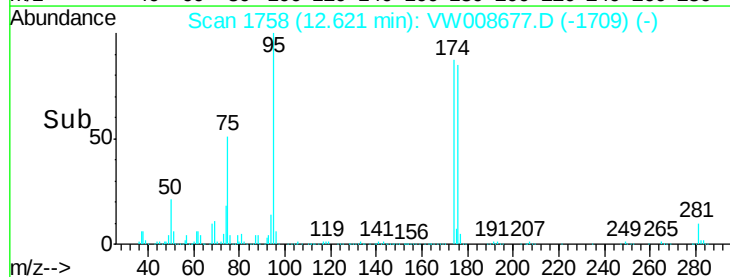
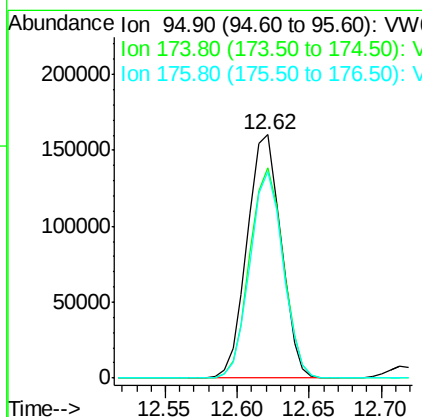
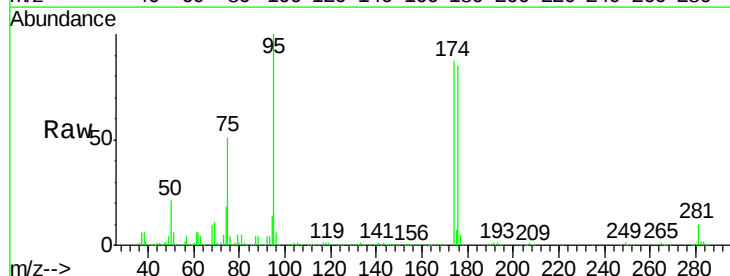
Manual Integrations
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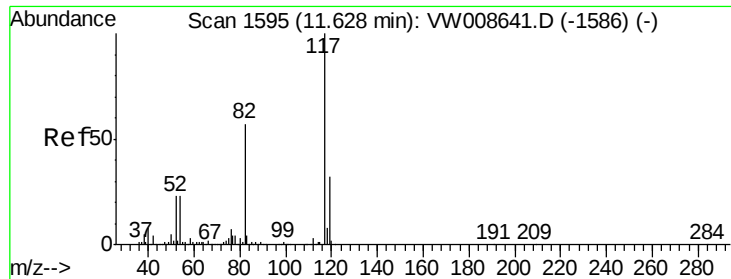
MMDadoda
 2/18/2019 2:34:36 PM



#62
 4-Bromofluorobenzene
 Concen: 48.170 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	163.2
176	82.6	0.0	158.0





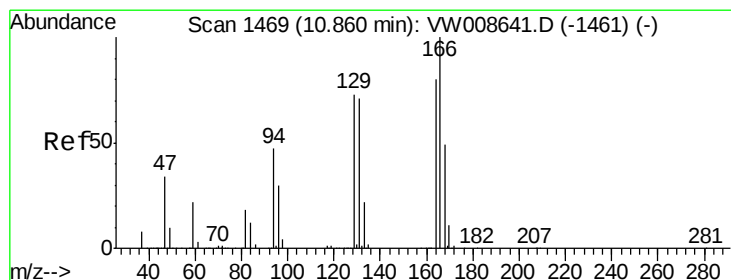
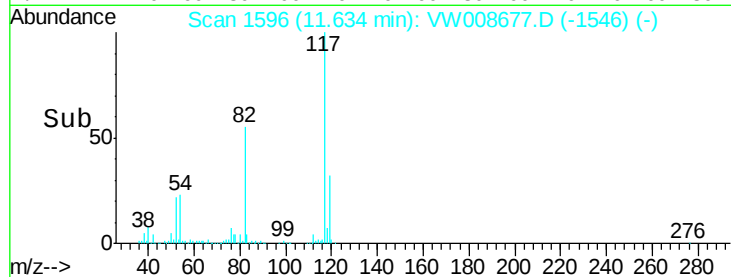
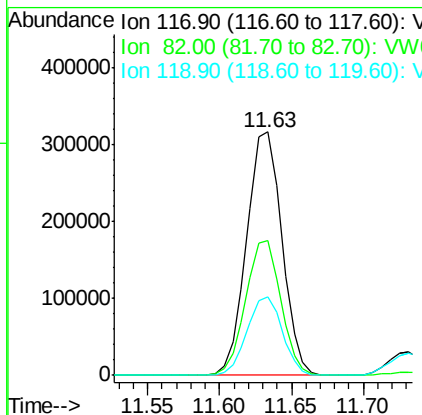
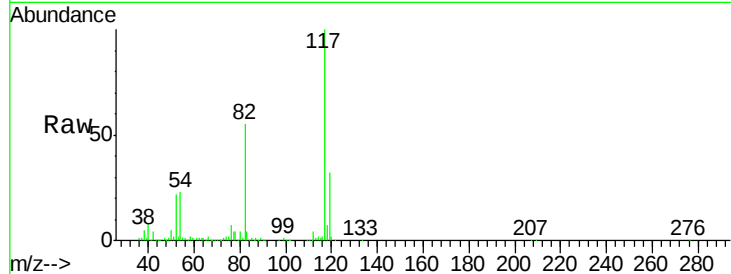
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.1	45.6	68.4
119	32.4	25.7	38.5

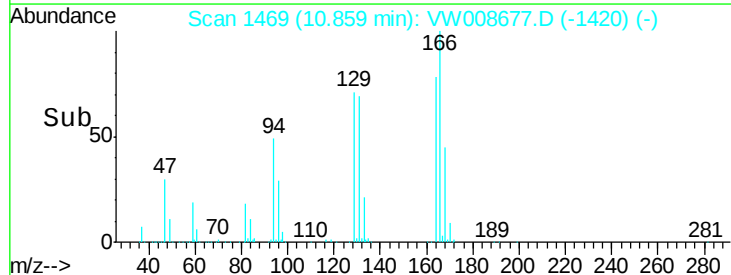
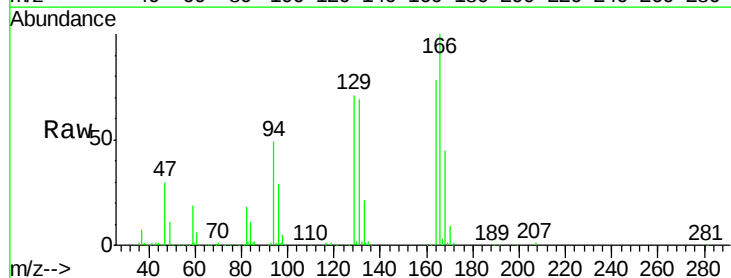
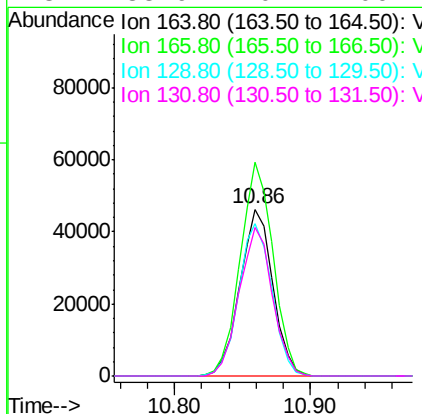
Manual Integrations
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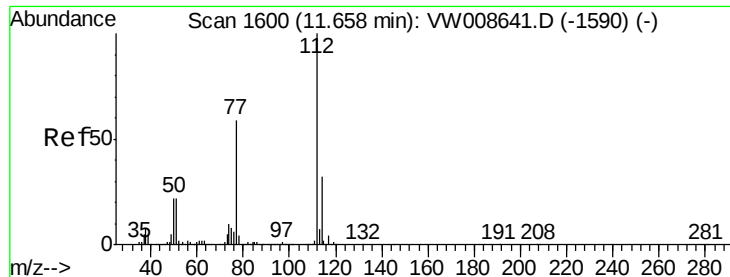
MMDadoda
2/18/2019 2:34:36 PM



#64
Tetrachloroethene
Concen: 19.603 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	128.0	100.2	150.2
129	91.3	73.6	110.4
131	88.9	70.7	106.1





#65

Chlorobenzene

Concen: 19.444 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBSD01

Tot Ion:112 Resp: 224833

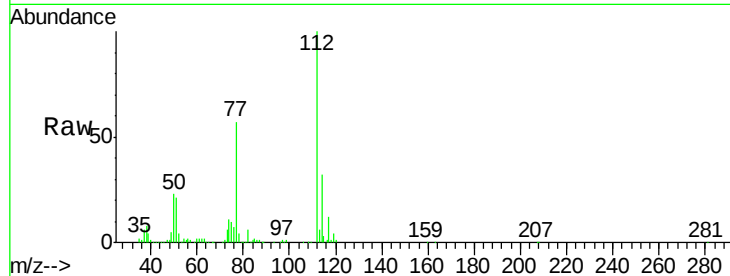
Ion Ratio Lower Upper

112 100

114 32.0 25.7 38.5

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

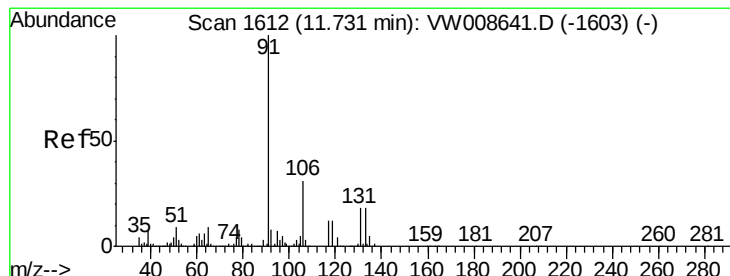
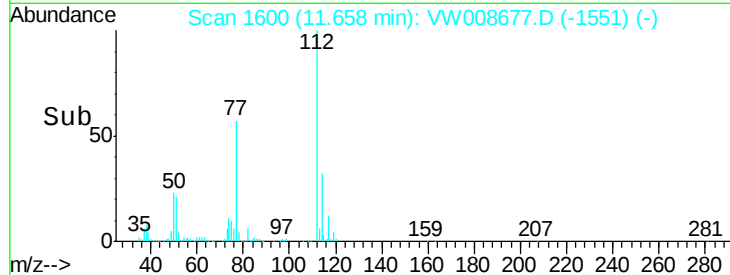
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.406 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

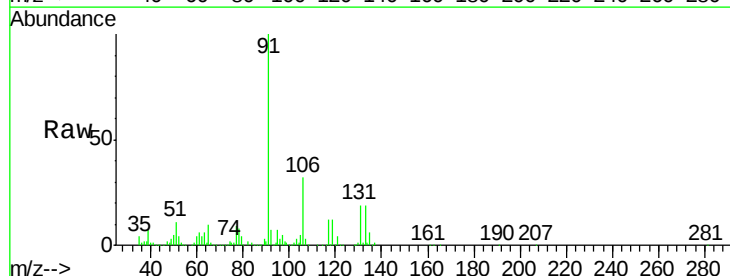
Tgt Ion:131 Resp: 79492

Ion Ratio Lower Upper

131 100

133 97.7 47.8 143.4

119 61.9 31.6 94.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

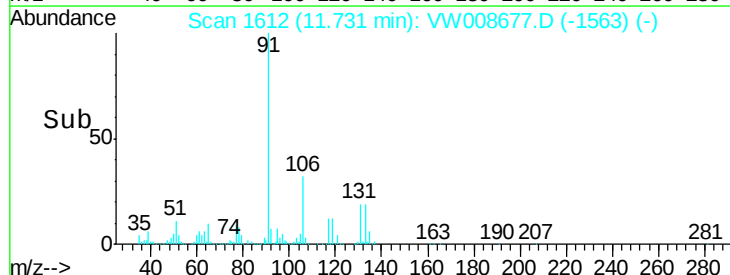
11.73

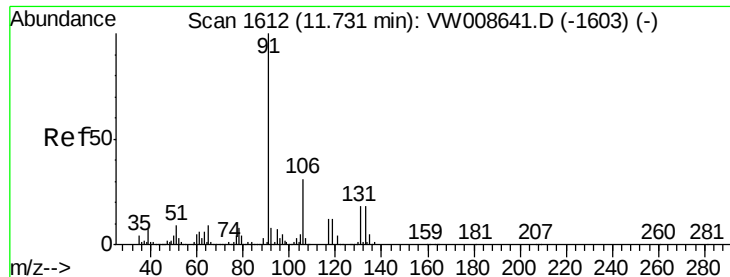
100000

50000

0

Time-->





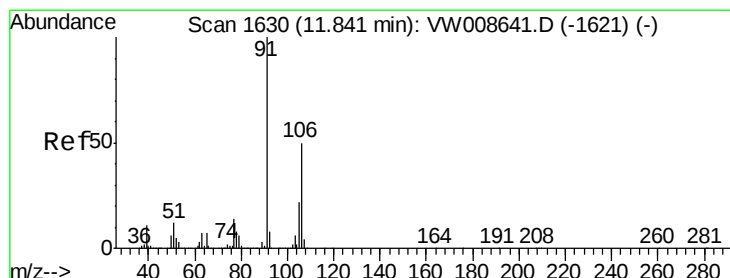
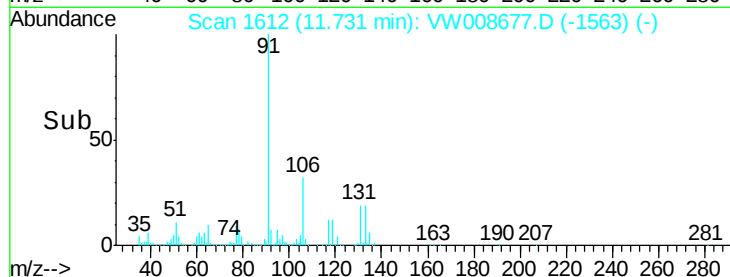
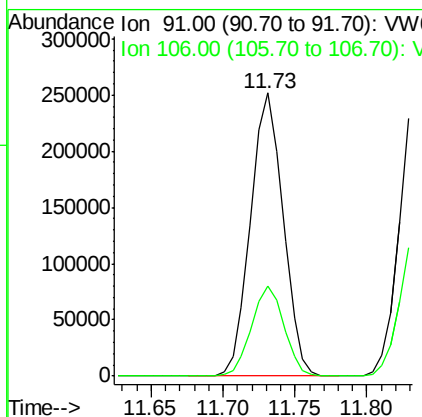
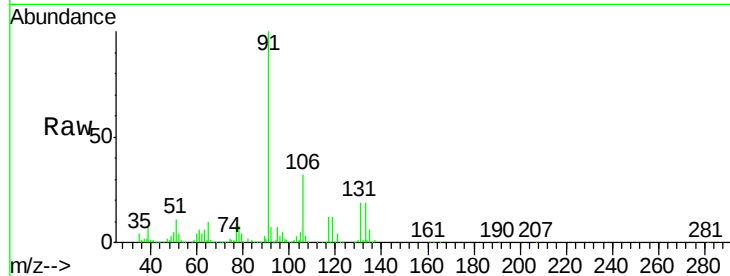
#67
Ethyl Benzene
Concen: 19.183 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	32.0	24.5	36.7	

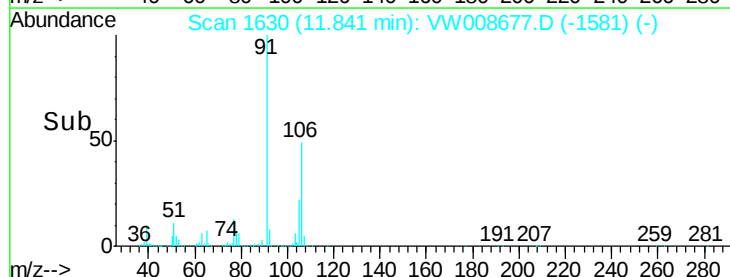
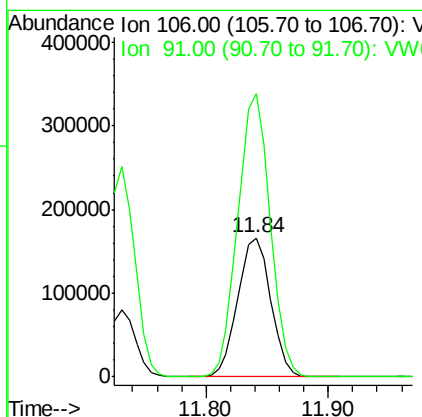
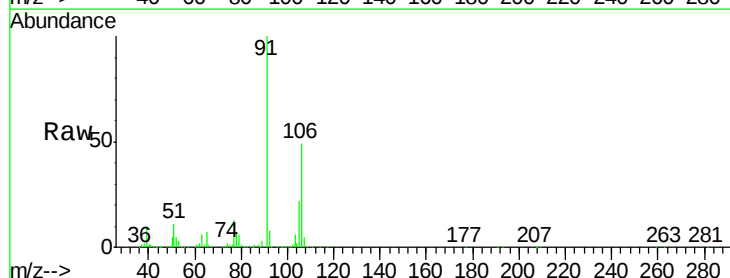
Manual Integrations
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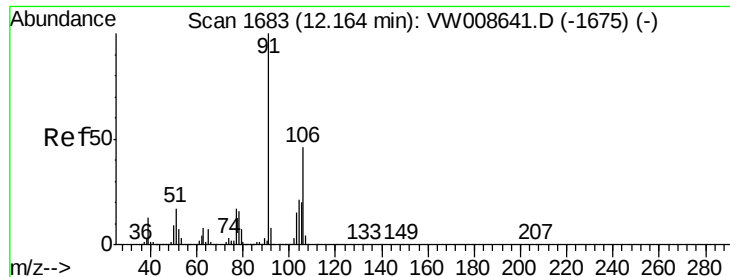
MMDadoda
2/18/2019 2:34:36 PM



#68
m/p-Xylenes
Concen: 38.791 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	200.5	161.0	241.4	





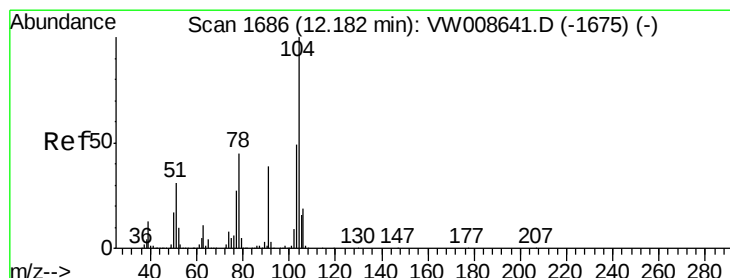
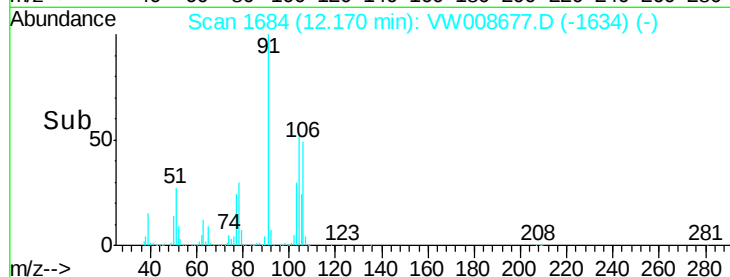
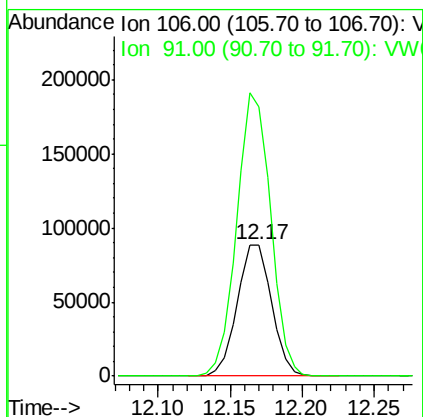
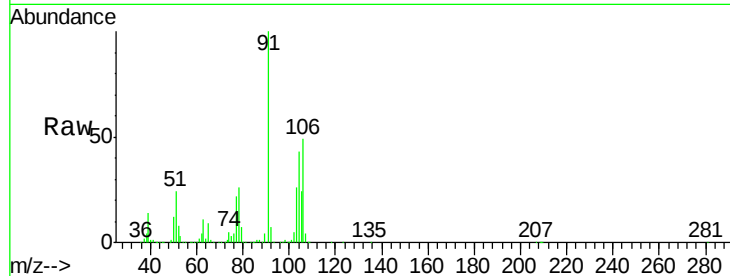
#69
o-Xylene
Concen: 19.479 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	147561		
91	91	212.1	106.7	320.1	

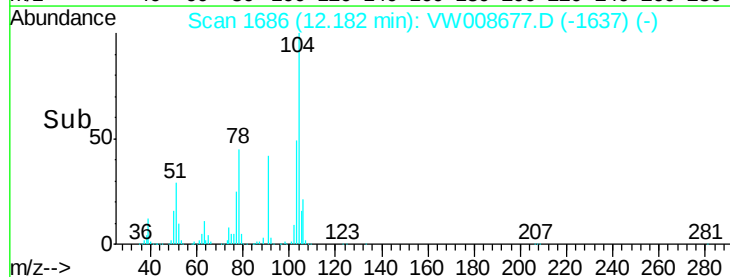
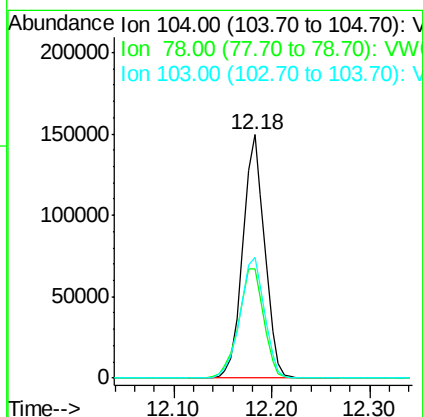
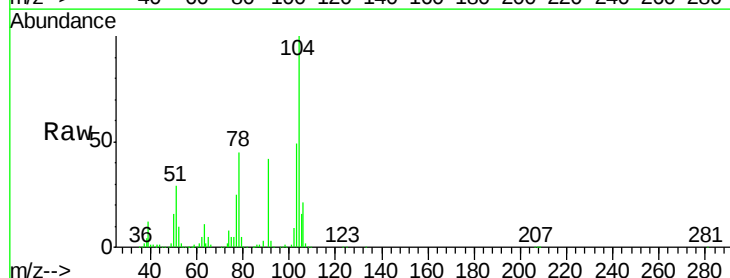
Manual Integrations
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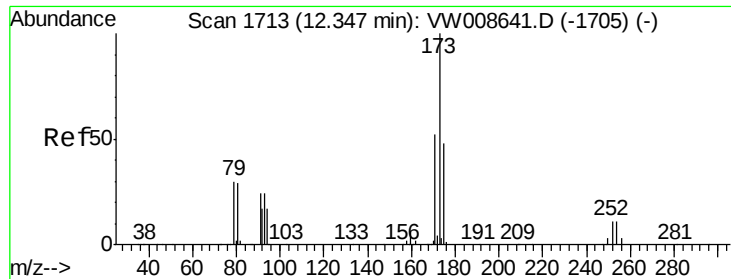
MMDadoda
2/18/2019 2:34:36 PM



#70
Styrene
Concen: 18.759 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	232102		
78	78	51.7	41.5	62.3	
103	103	55.4	43.5	65.3	





#71

Bromoform

Concen: 18.907 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

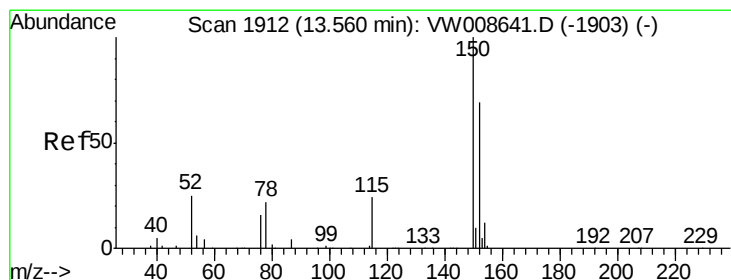
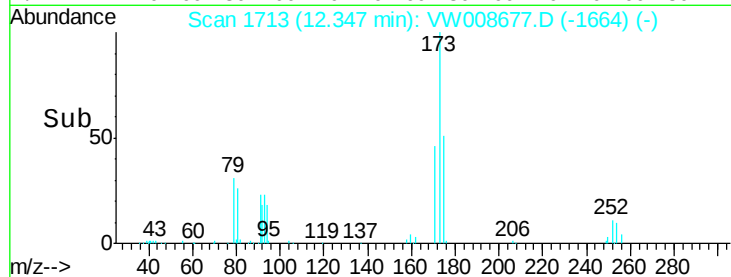
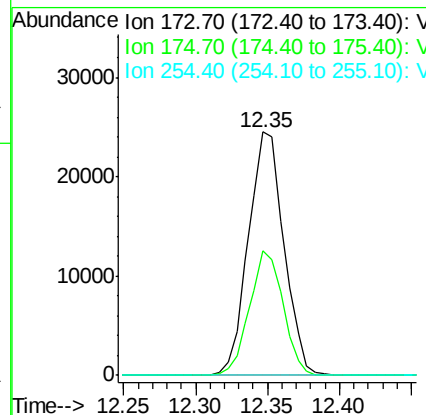
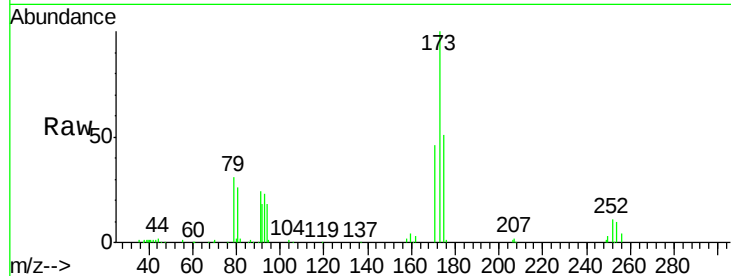
ClientSampleId :

VW0215SBSD01

Tot Ion:	173	Resp:	41729
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.9	74.7
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

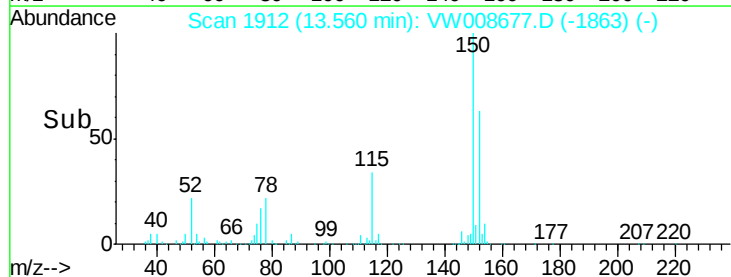
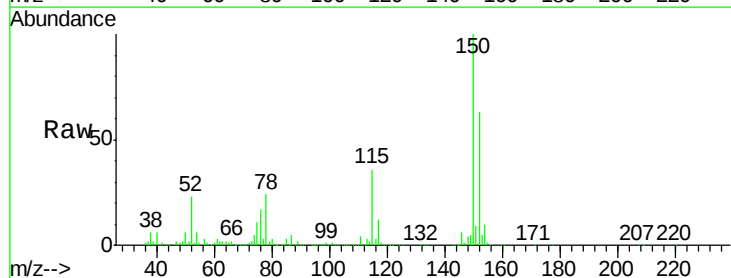
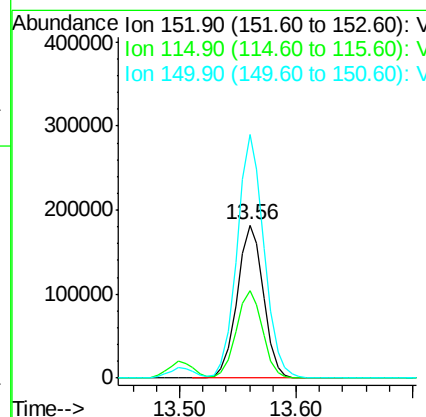
RT: 13.56 min Scan# 1912

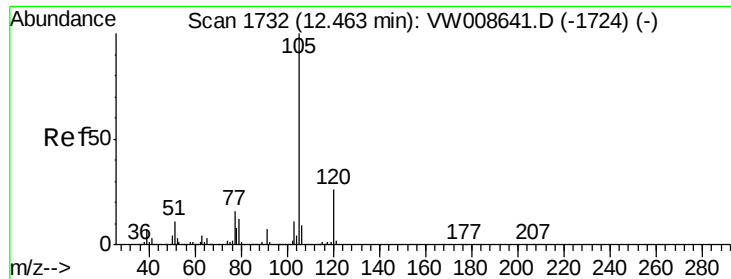
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	152	Resp:	285476
Ion Ratio	Lower	Upper	
152	100		
115	57.2	29.3	87.8
150	163.4	0.0	352.8





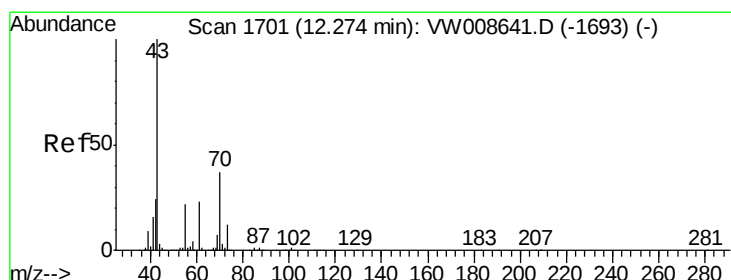
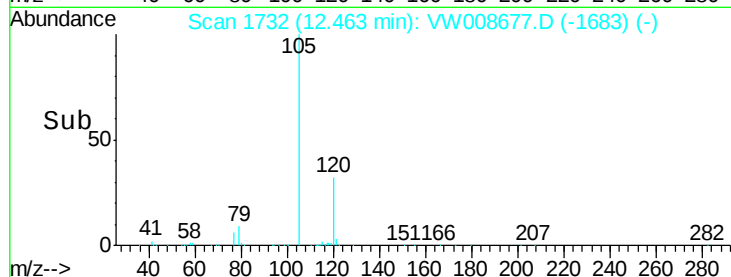
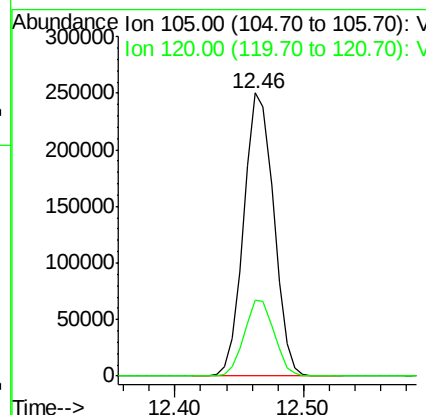
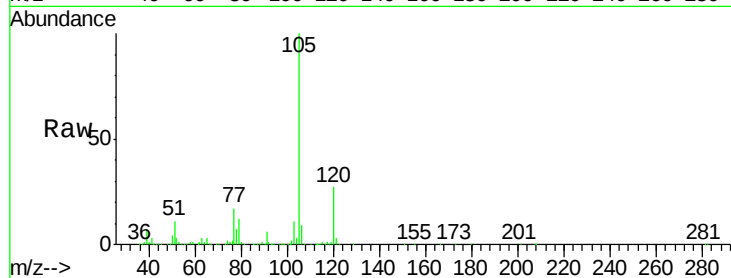
#73
Isopropylbenzene
Concen: 18.928 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

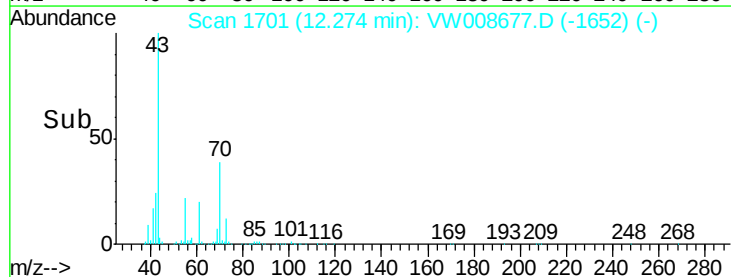
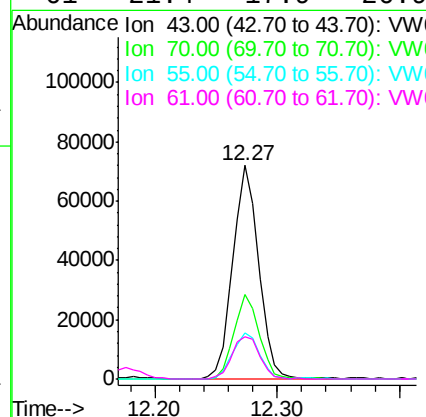
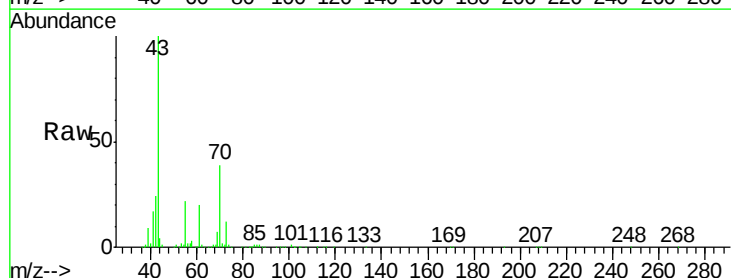
Manual Integrations
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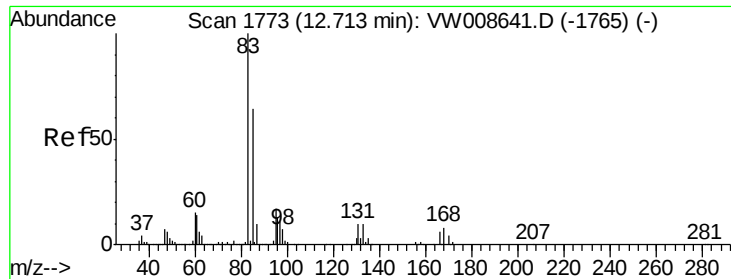
MMDadoda
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#74
N-ethyl acetate
Concen: 18.375 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.9	30.5	45.7
55	22.6	17.6	26.4
61	21.4	17.9	26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.282 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

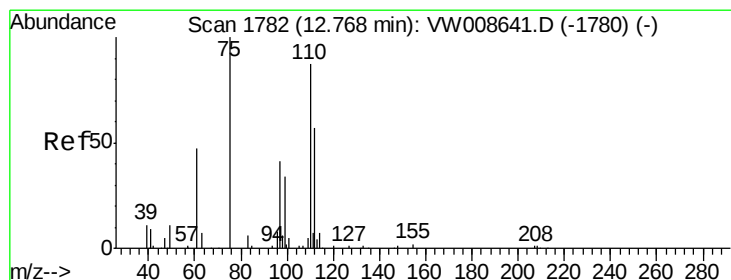
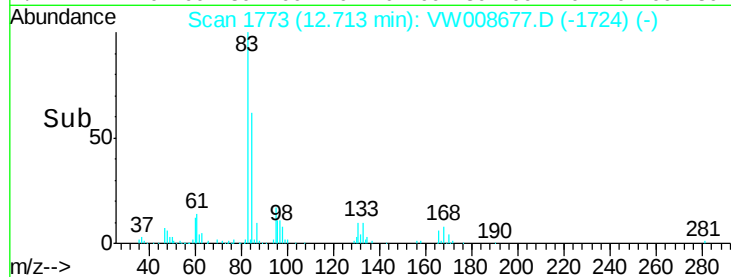
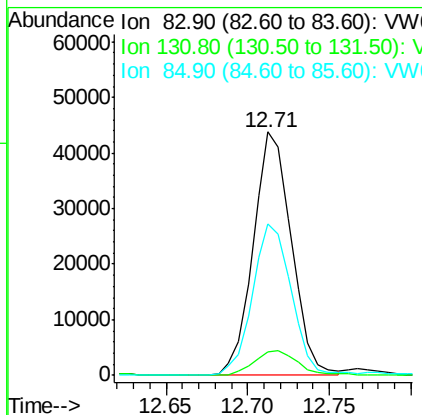
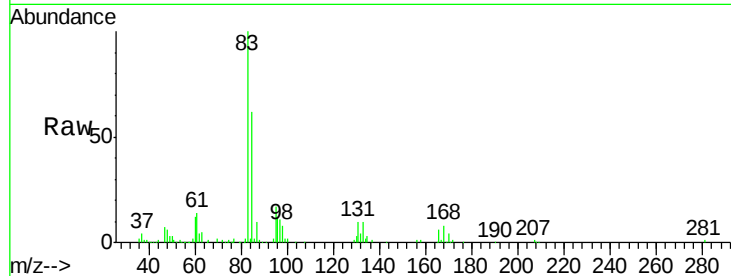
ClientSampleId :

VW0215SBS01

Tot Ion:	83	Resp:	71338
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.7
85	63.6	31.8	95.3

Manual Integrations
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2/18/2019 2:34:36 PM



#76

1,2,3-Trichloropropane

Concen: 21.598 ug/l m

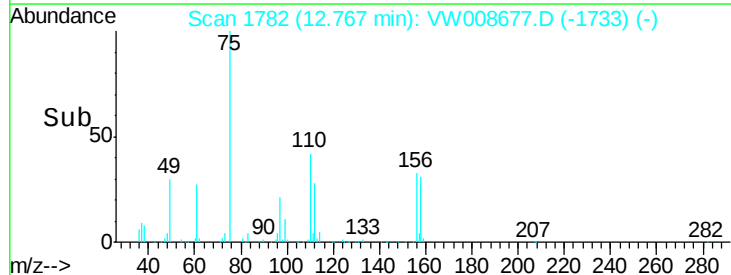
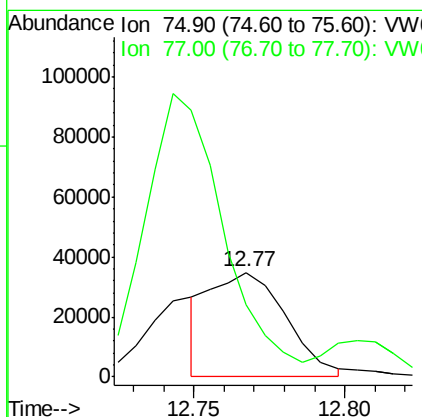
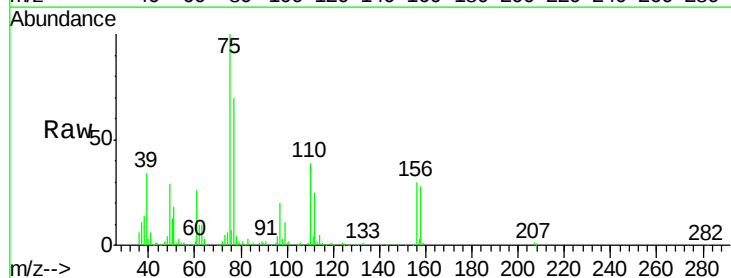
RT: 12.77 min Scan# 1782

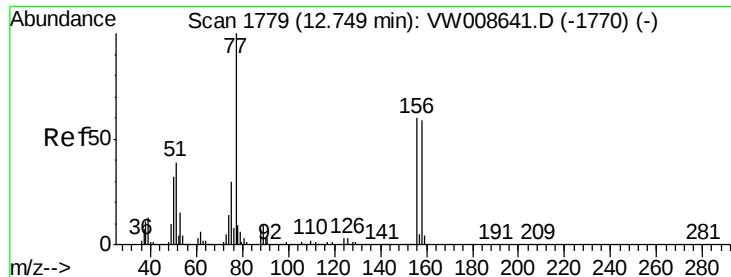
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	75	Resp:	60884
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.546 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

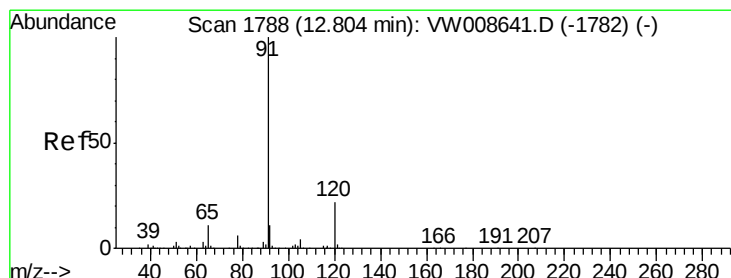
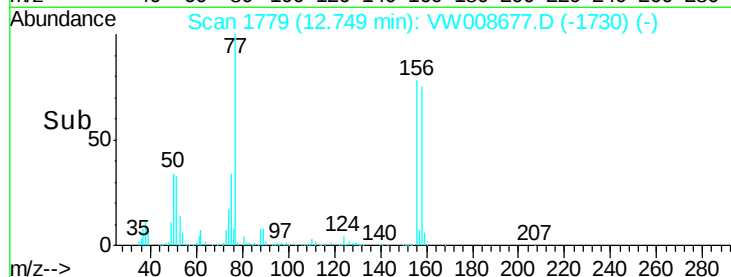
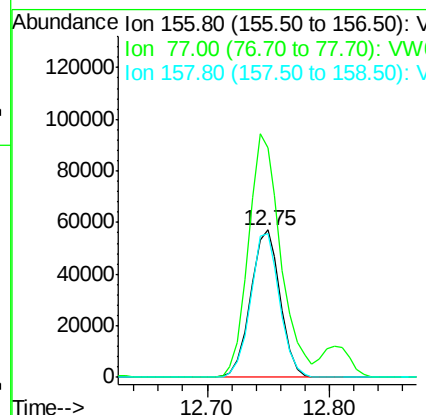
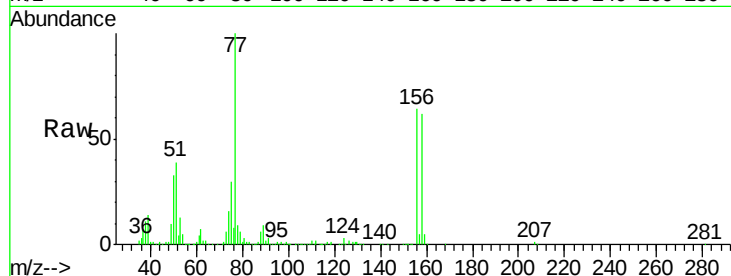
ClientSampleId :

VW0215SBSD01

Tot Ion:	156	Resp:	95540
Ion Ratio	Lower	Upper	
156	100		
77	181.1	93.2	279.5
158	96.3	48.5	145.5

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#78

n-propylbenzene

Concen: 19.349 ug/l

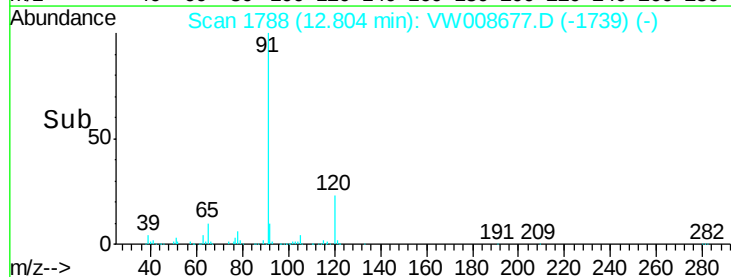
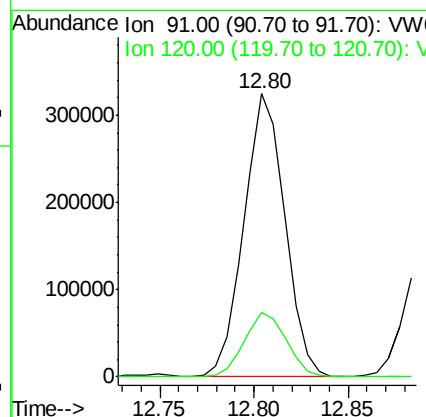
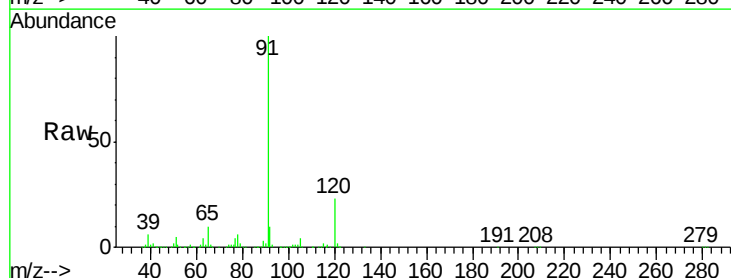
RT: 12.80 min Scan# 1788

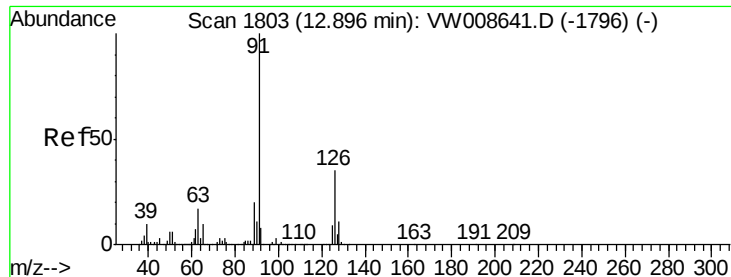
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	91	Resp:	488882
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.4	34.2





#79

2-Chlorotoluene

Concen: 19.161 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 91 Resp: 273611

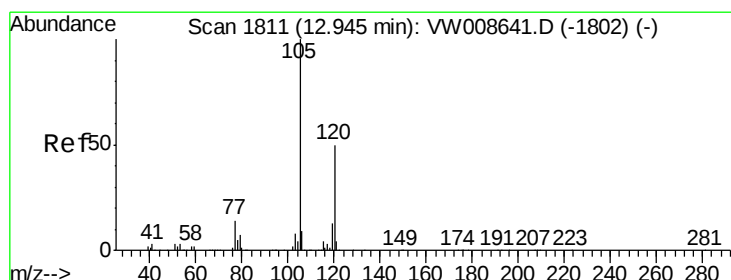
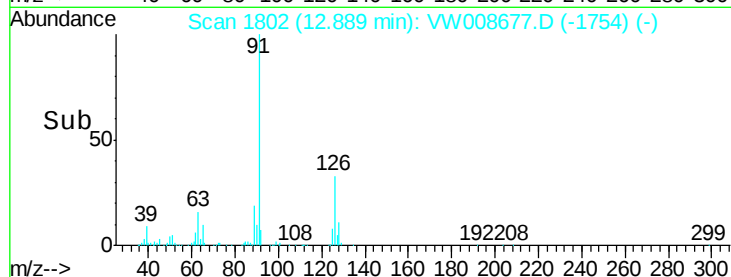
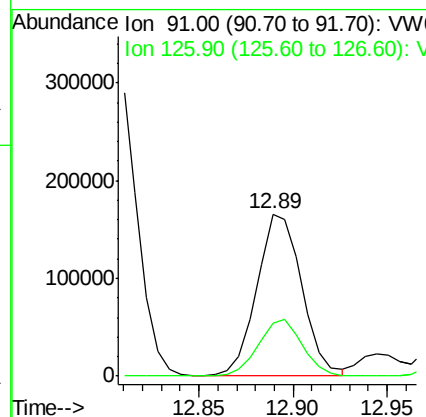
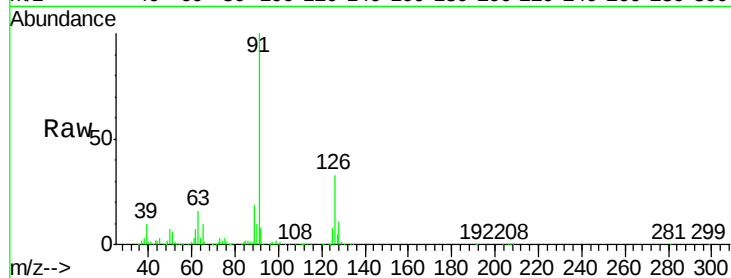
Ion Ratio Lower Upper

91 100

126 34.1 17.0 50.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.057 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008677.D

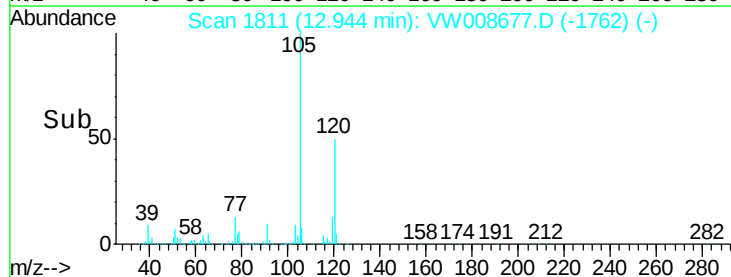
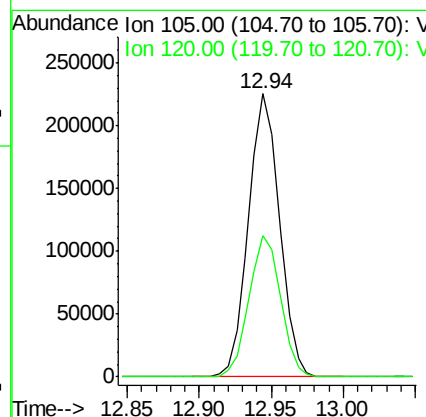
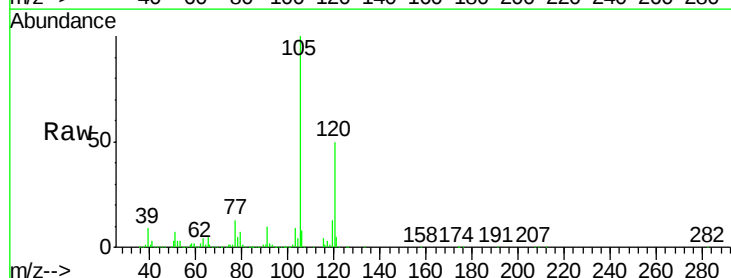
Acq: 15 Feb 2019 11:56

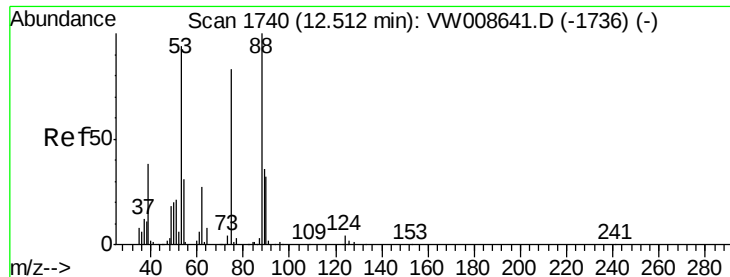
Tgt Ion: 105 Resp: 336588

Ion Ratio Lower Upper

105 100

120 50.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.121 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0215SBS01

Tot Ion: 75 Resp: 19659

Ion Ratio Lower Upper

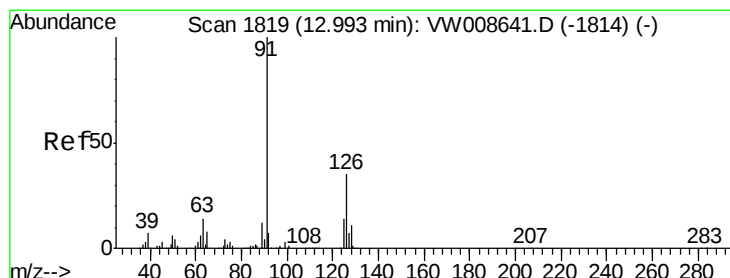
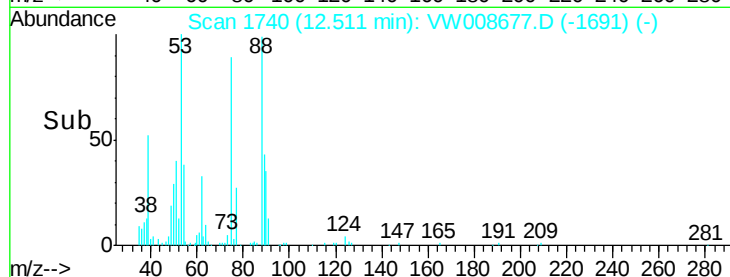
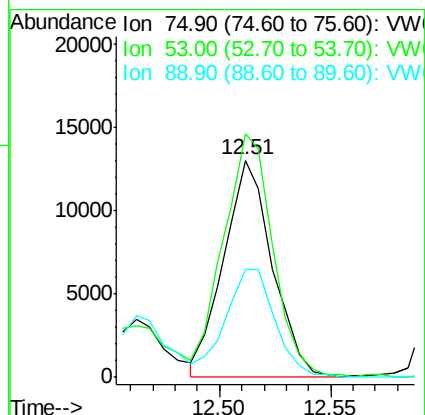
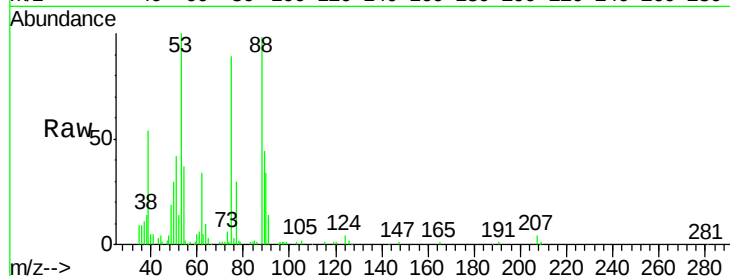
75 100

53 114.3 87.4 131.0

89 51.2 37.0 55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.805 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008677.D

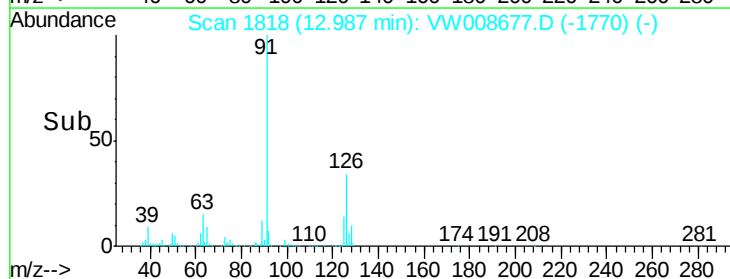
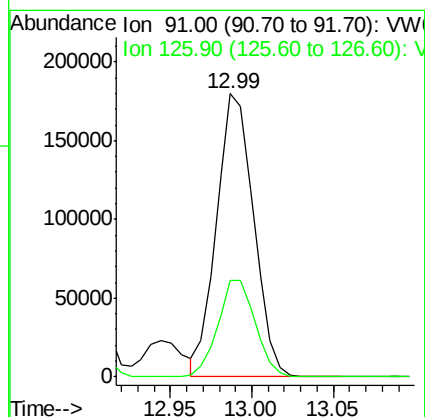
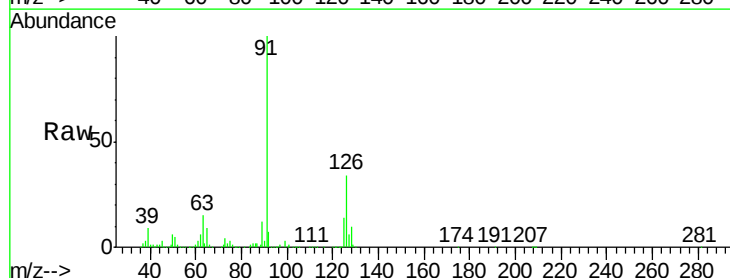
Acq: 15 Feb 2019 11:56

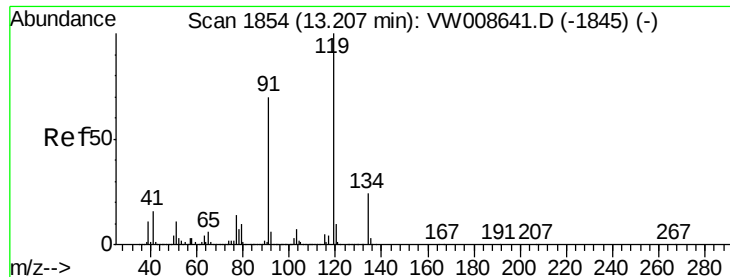
Tgt Ion: 91 Resp: 284583

Ion Ratio Lower Upper

91 100

126 34.7 16.9 50.7





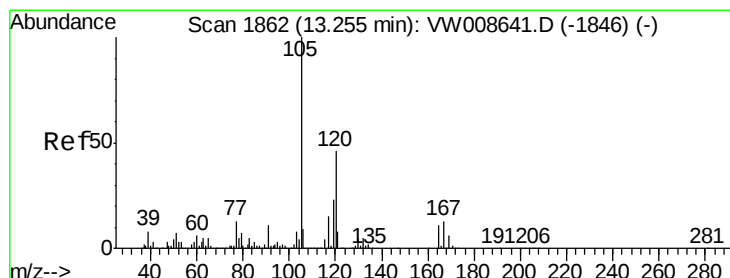
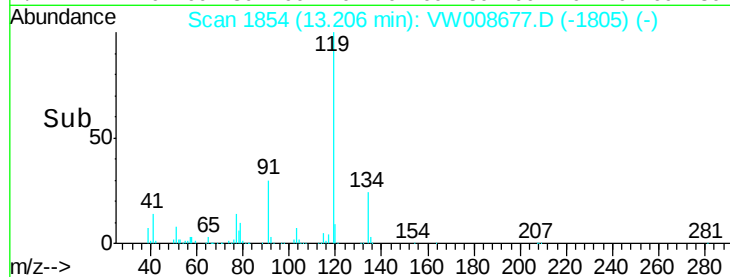
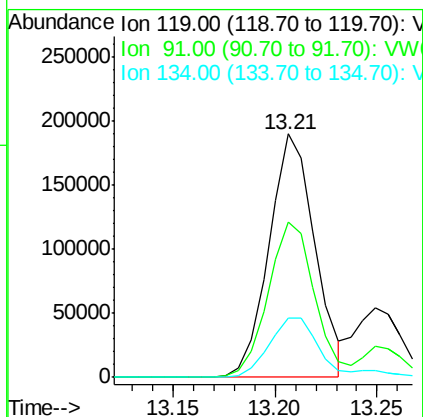
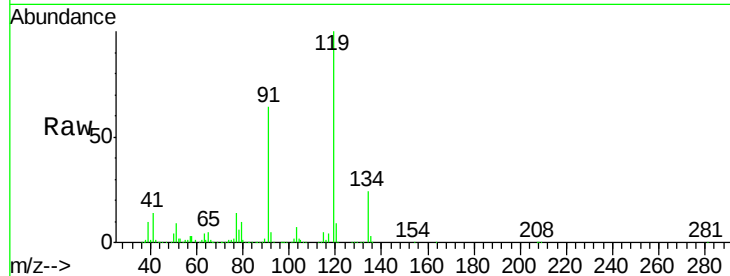
#83
tert-Butylbenzene
Concen: 19.407 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	297645		
91	65.1	34.0	102.0	
134	25.9	13.6	40.8	

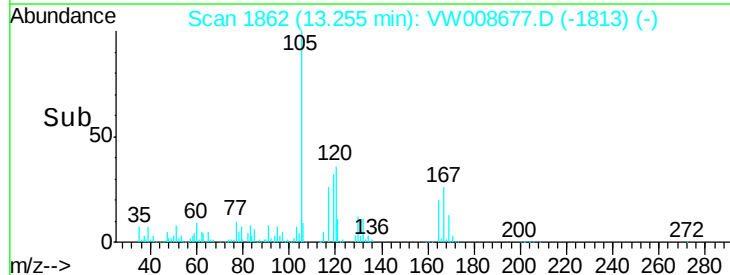
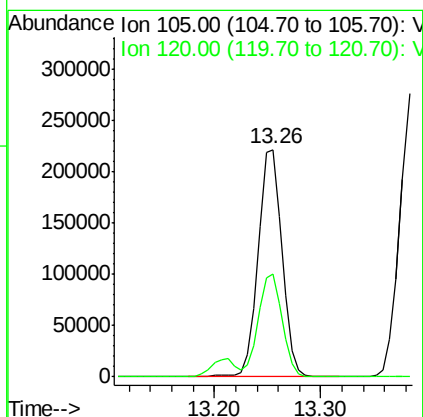
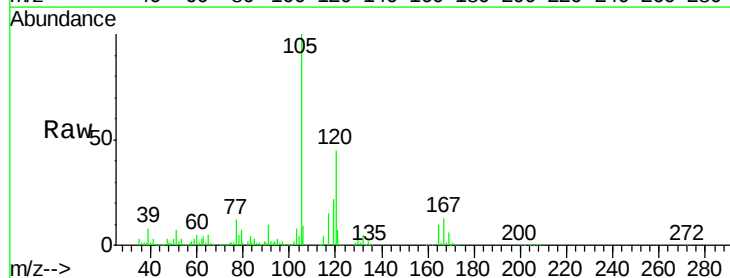
Manual Integrations
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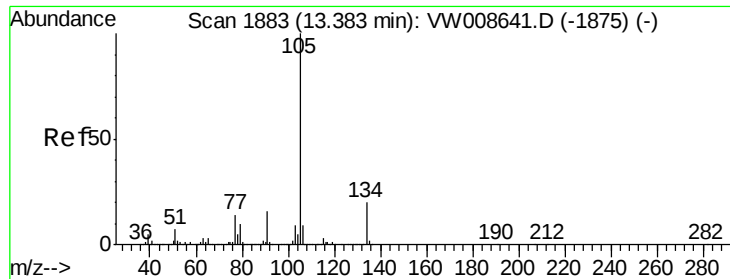
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.322 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	350769		
120	45.2	22.9	68.8	





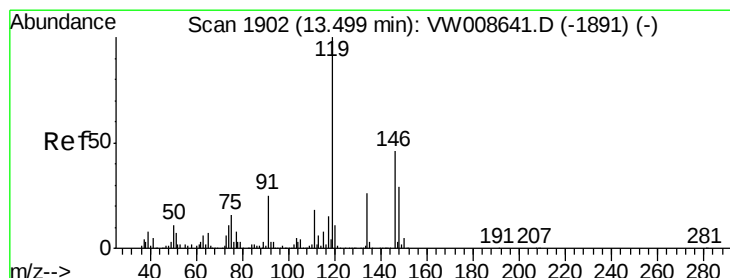
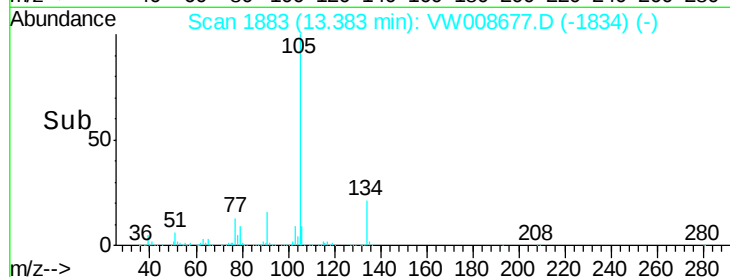
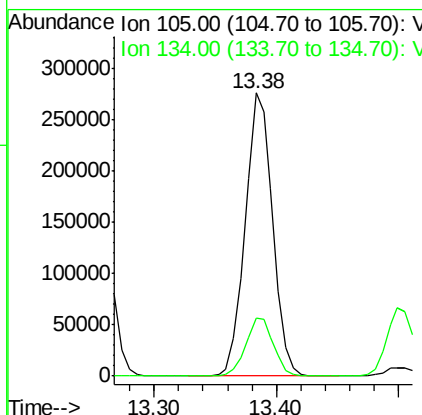
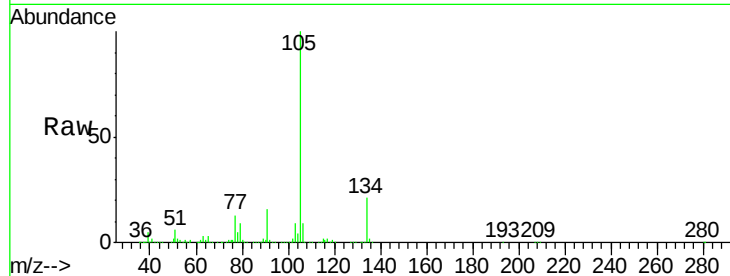
#85
 sec-Butylbenzene
 Concen: 19.223 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.8

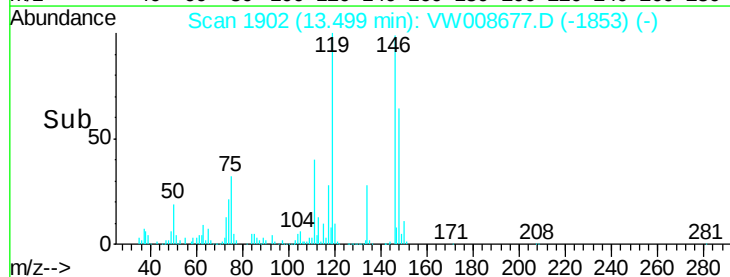
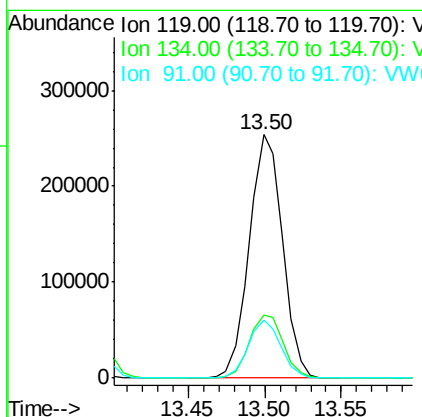
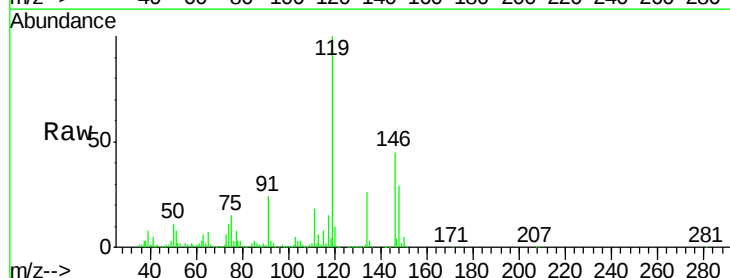
Manual Integrations
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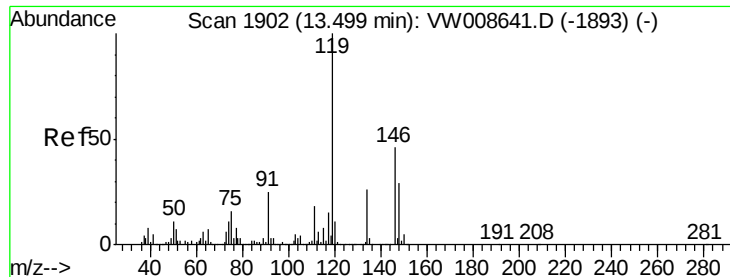
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 2/18/2019 2:34:36 PM



#86
 p-Isopropyltoluene
 Concen: 19.223 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.0	39.0
91	23.2	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 19.268 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

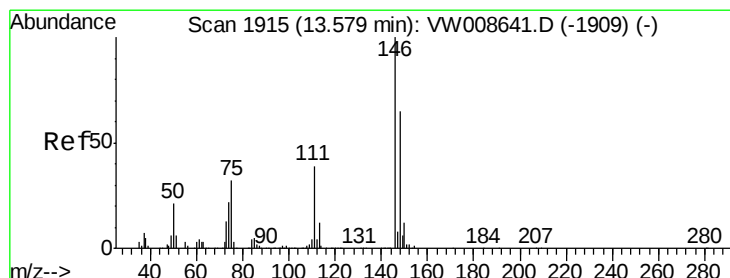
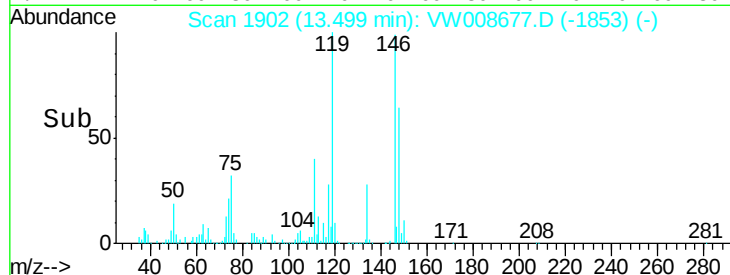
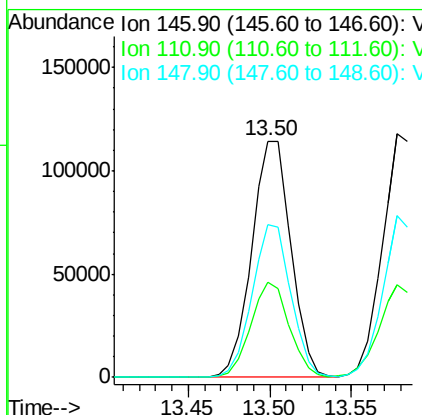
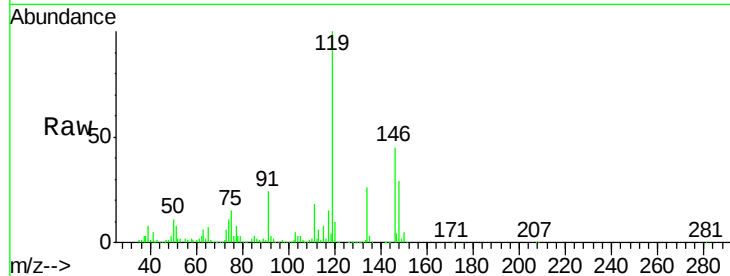
Instrument :
MSVOA_W

ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	190931		
111	39.5	19.4	58.1	
148	63.7	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.524 ug/l

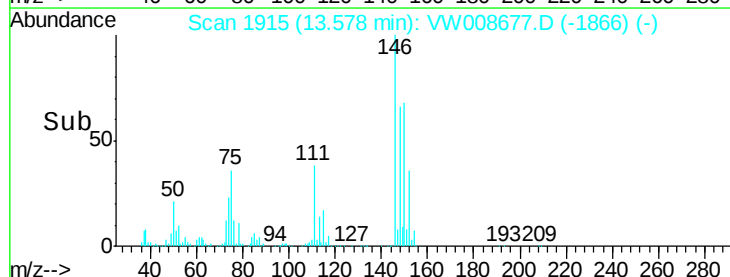
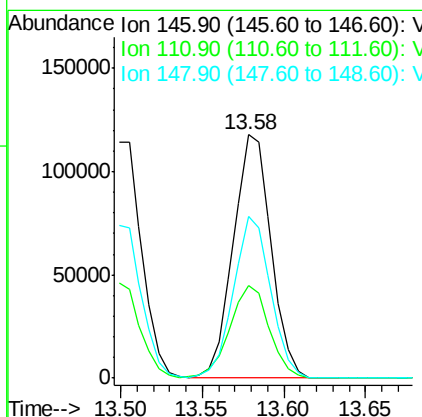
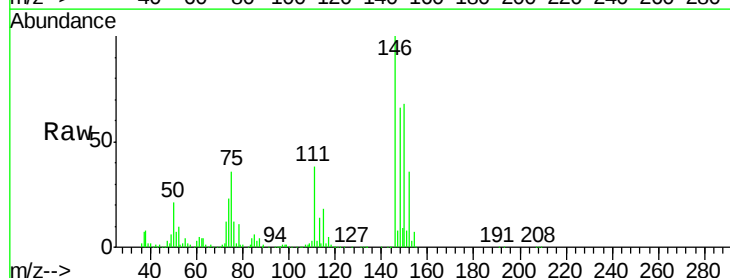
RT: 13.58 min Scan# 1915

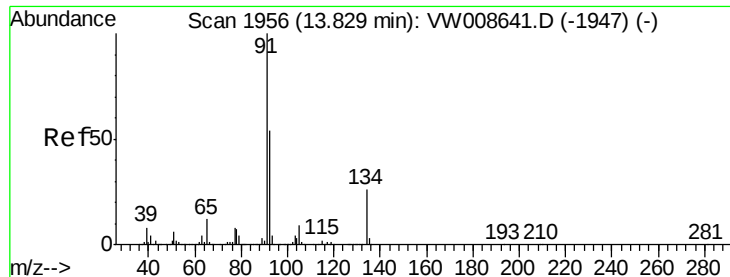
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	190667		
111	39.9	19.4	58.1	
148	65.1	31.8	95.4	





#89

n-Butylbenzene

Concen: 19.225 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Instrument :

MSVOA_W

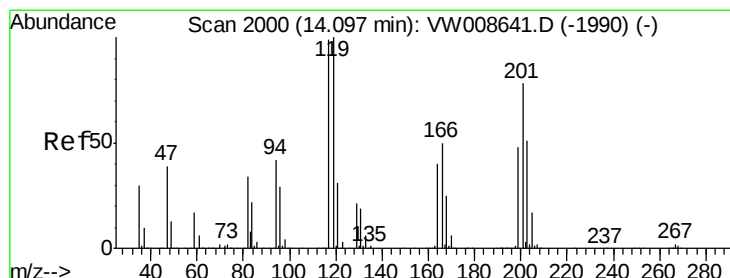
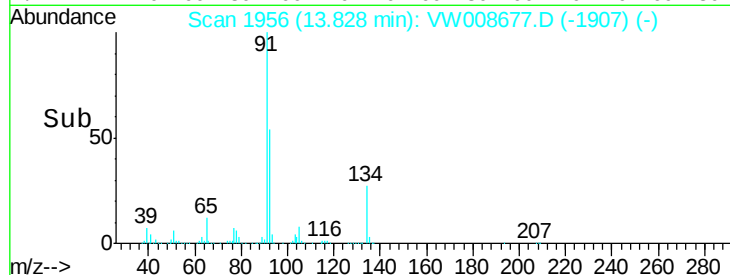
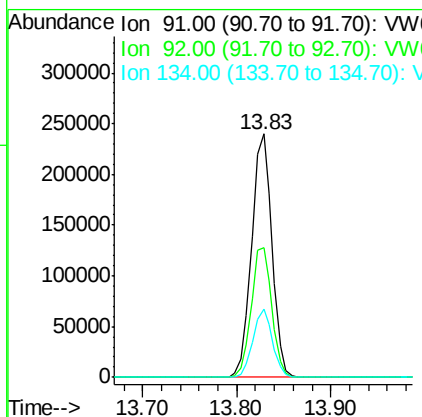
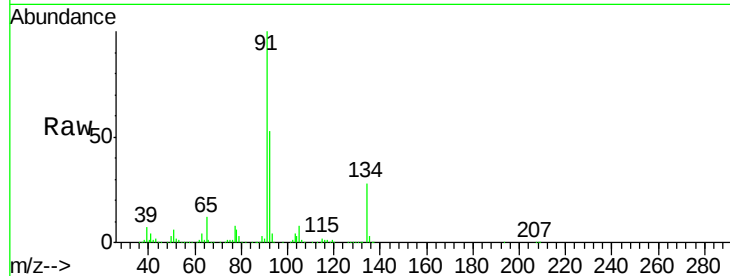
ClientSampleId :

VW0215BSD01

Tot Ion:	91	Resp:	364968
Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	26.8	13.0	39.0

Manual Integrations
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#90

Hexachloroethane

Concen: 19.173 ug/l

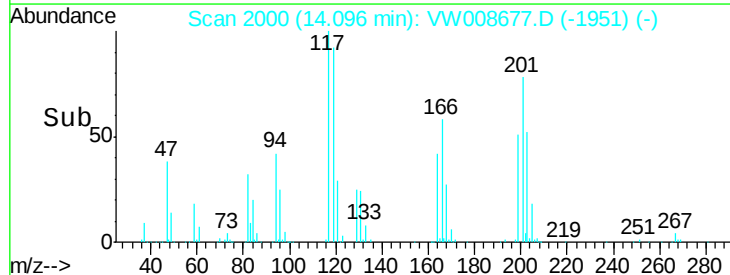
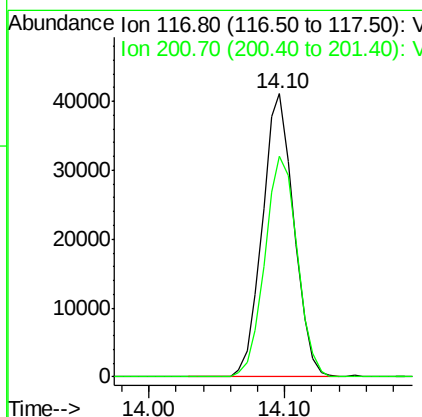
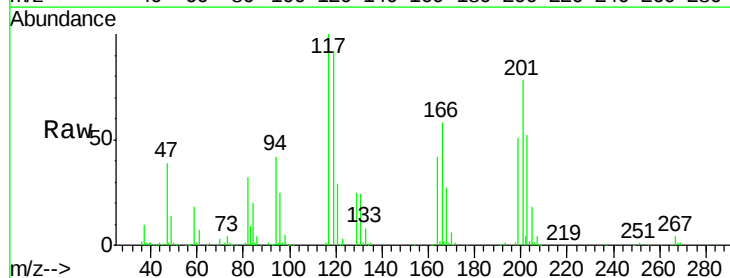
RT: 14.10 min Scan# 2000

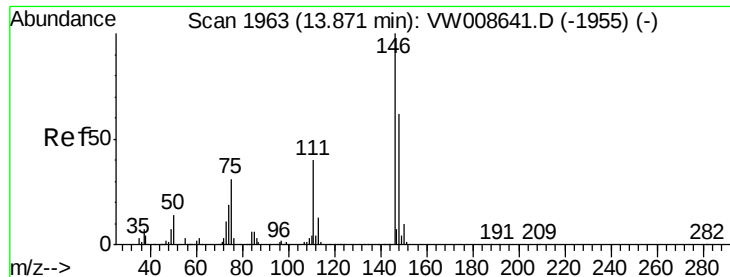
Delta R.T. -0.00 min

Lab File: VW008677.D

Acq: 15 Feb 2019 11:56

Tgt Ion:	117	Resp:	66918
Ion	Ratio	Lower	Upper
117	100		
201	80.0	38.7	116.1





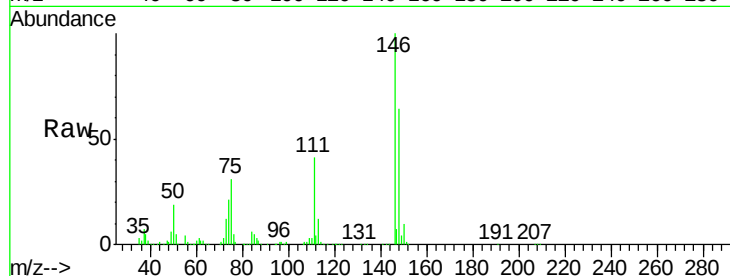
#91
 1,2-Dichlorobenzene
 Concen: 19.448 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.5
148	64.3	31.6	94.8

Manual Integrations
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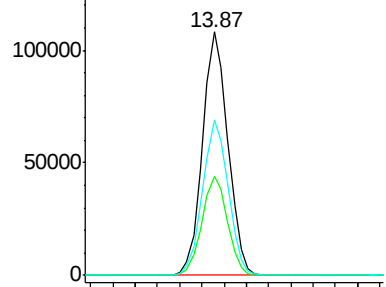


Abundance

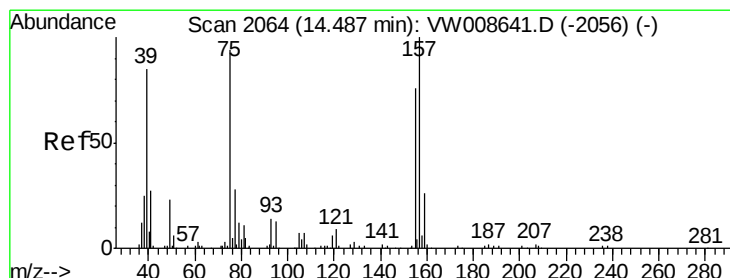
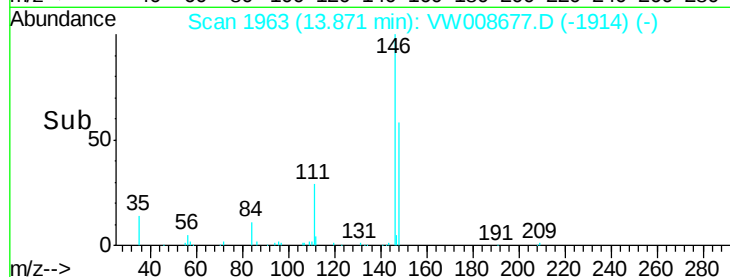
Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

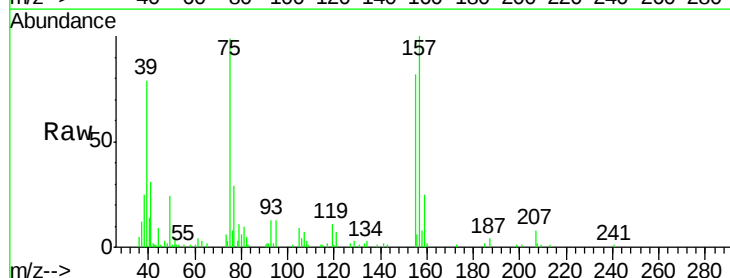


Time-->



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.072 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008677.D
 Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.6	41.8	125.4
157	106.9	53.8	161.4

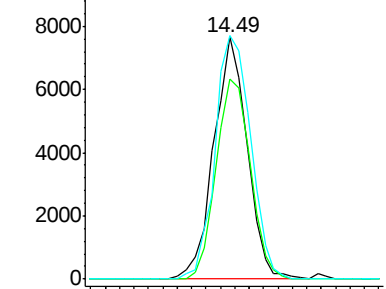


Abundance

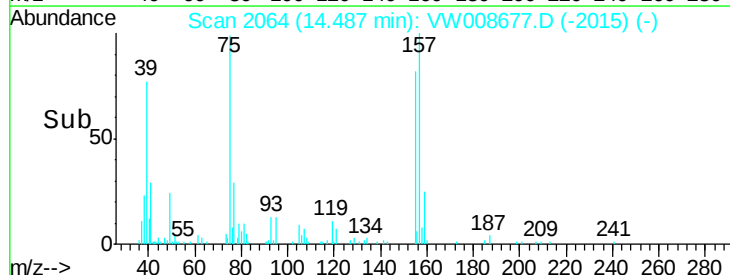
Ion 74.90 (74.60 to 75.60): VW

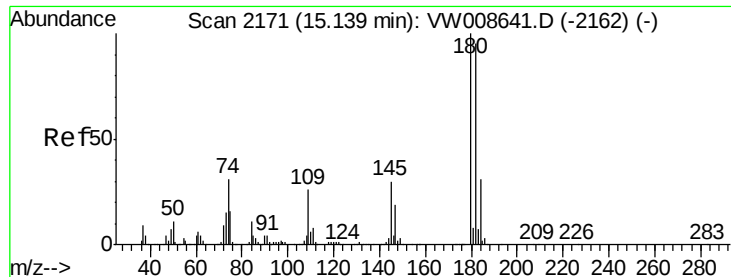
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time-->





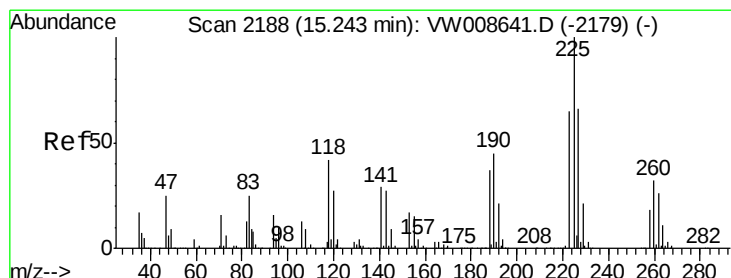
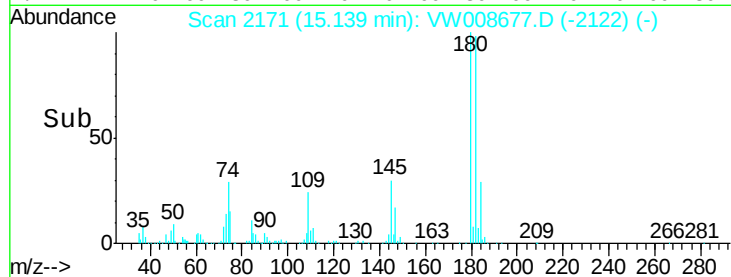
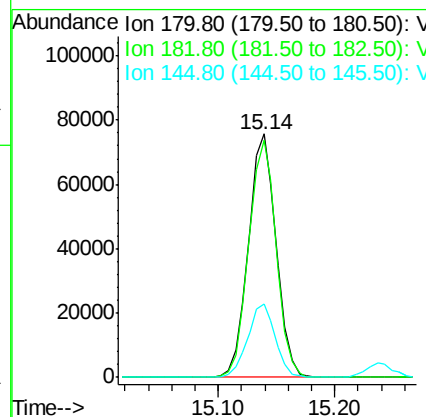
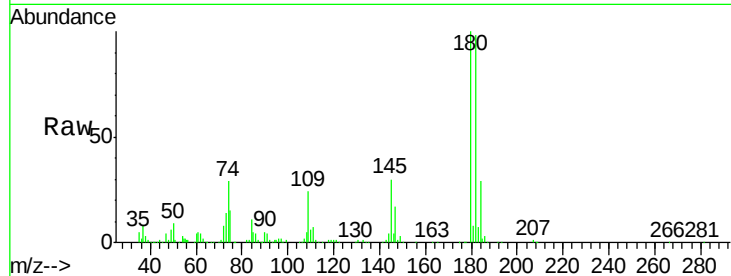
#93
1,2,4-Trichlorobenzene
Concen: 20.068 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125416		
182	96.7	47.5	142.5	
145	29.9	15.1	45.3	

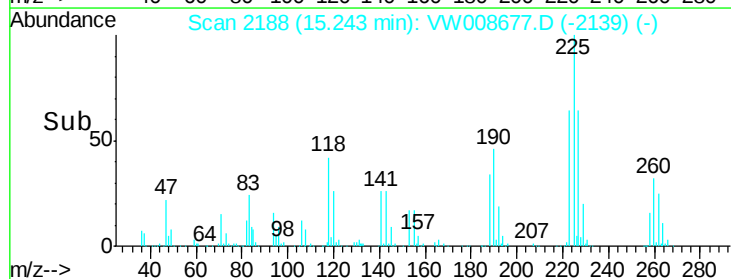
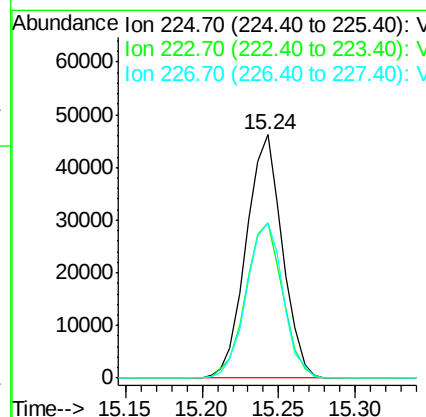
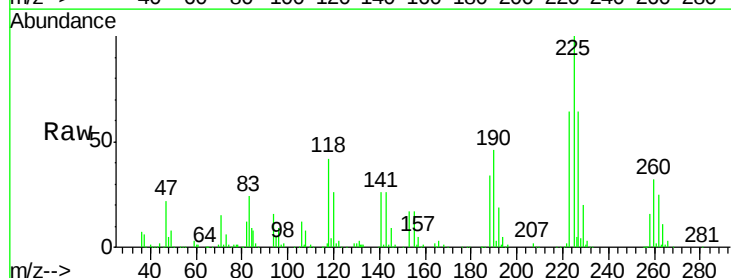
Manual Integrations
APPROVED

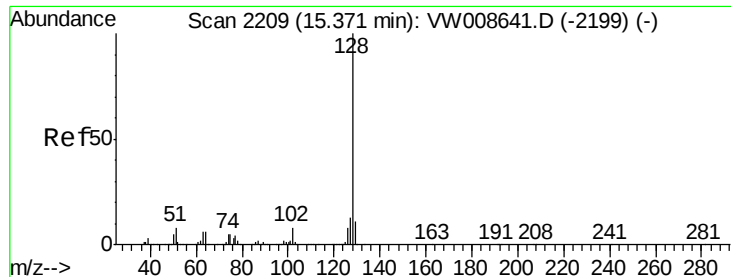
MMDadoda
2/18/2019 2:34:36 PM



#94
Hexachlorobutadiene
Concen: 20.846 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75833		
223	65.1	31.4	94.3	
227	64.5	32.4	97.0	





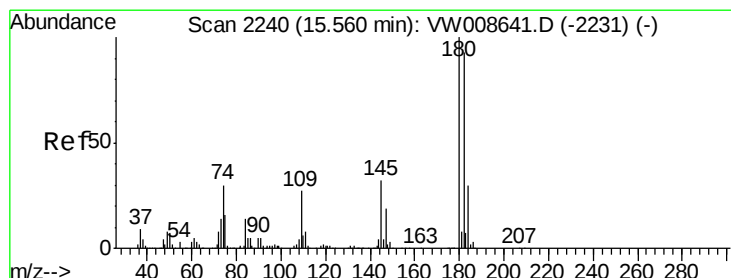
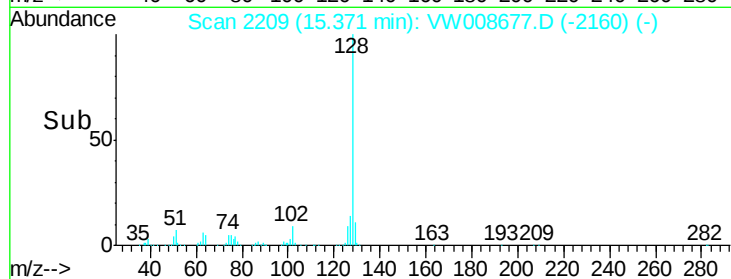
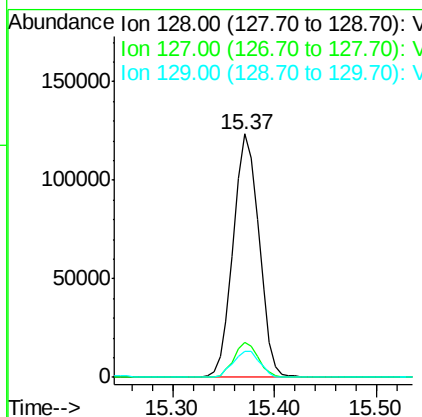
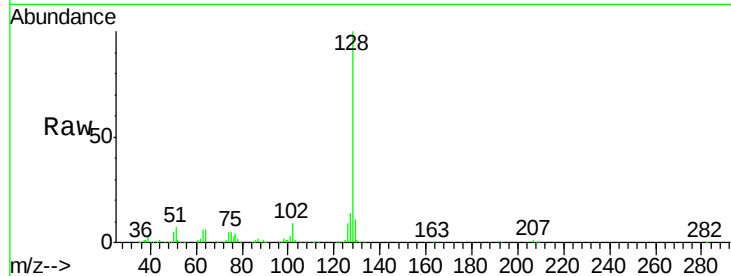
#95
Naphthalene
Concen: 19.324 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0215SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	216418		
127	13.4	10.9	16.3	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
2/18/2019 2:34:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.294 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008677.D
Acq: 15 Feb 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	108832		
182	95.5	47.5	142.5	
145	31.4	15.9	47.7	

