

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031119\
 Data File : VW009079.D
 Acq On : 11 Mar 2019 11:56
 Operator : SY/VA
 Sample : VW0311SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 1:15:42 PM

Quant Time: Mar 12 08:33:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	406378	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	385299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216223	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	138937	48.50	ug/l	0.00
Spiked Amount			Recovery	=	97.00%	
35) Dibromofluoromethane	7.88	113	125480	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
50) Toluene-d8	10.32	98	514706	51.22	ug/l	0.00
Spiked Amount			Recovery	=	102.44%	
62) 4-Bromofluorobenzene	12.62	95	191433	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	63720	22.204	ug/l	96
3) Chloromethane	2.21	50	75546	20.722	ug/l	99
4) Vinyl Chloride	2.35	62	73978	19.995	ug/l	96
5) Bromomethane	2.76	94	71936	23.034	ug/l	99
6) Chloroethane	2.91	64	51413	19.520	ug/l	98
7) Trichlorofluoromethane	3.26	101	98539	20.686	ug/l	95
8) Diethyl Ether	3.68	74	25690	17.637	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	59758	20.142	ug/l	97
10) Methyl Iodide	4.27	142	44001	15.988	ug/l	98
11) Tert butyl alcohol	5.18	59	18633	84.872	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	50844	19.867	ug/l	97
13) Acrolein	3.90	56	18292	75.717	ug/l	95
14) Allyl chloride	4.67	41	85753	18.996	ug/l	98
15) Acrylonitrile	5.37	53	52905	83.221	ug/l	99
16) Acetone	4.14	43	55036	85.129	ug/l	96
17) Carbon Disulfide	4.38	76	170951	19.853	ug/l	100
18) Methyl Acetate	4.68	43	22488	15.127	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	116915	17.270	ug/l	96
20) Methylene Chloride	4.91	84	67136	18.676	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	56990	19.286	ug/l	97
22) Diisopropyl ether	6.31	45	167248	18.643	ug/l	96
23) Vinyl Acetate	6.26	43	484669	86.817	ug/l	100
24) 1,1-Dichloroethane	6.21	63	103763	19.941	ug/l	97
25) 2-Butanone	7.18	43	71983	80.565	ug/l	95
26) 2,2-Dichloropropane	7.17	77	98026	20.725	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59913	18.878	ug/l	96
28) Bromochloromethane	7.51	49	41585	19.213	ug/l	98
29) Tetrahydrofuran	7.53	42	44810	79.585	ug/l	97
30) Chloroform	7.68	83	104339	19.476	ug/l	92
31) Cyclohexane	7.96	56	104888	19.631	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	99753	20.177	ug/l	100
36) 1,1-Dichloropropene	8.08	75	85290	20.072	ug/l	99
37) Ethyl Acetate	7.26	43	31294	15.679	ug/l	96
38) Carbon Tetrachloride	8.07	117	92870	21.163	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97644	19.293	ug/l	95
40) Benzene	8.32	78	224666	19.807	ug/l	99
41) Methacrylonitrile	7.49	41	17590	15.871	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68791	18.785	ug/l	99
43) Isopropyl Acetate	8.42	43	59491	16.004	ug/l	95
44) Trichloroethene	9.09	130	63387	19.938	ug/l	96
45) 1,2-Dichloropropane	9.37	63	54792	19.287	ug/l	99
46) Dibromomethane	9.46	93	27898	17.981	ug/l	97
47) Bromodichloromethane	9.64	83	75755	19.288	ug/l	98
48) Methyl methacrylate	9.43	41	26366	15.233	ug/l	87
49) 1,4-Dioxane	9.46	88	7703	346.708	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	146306	77.528	ug/l	98
52) Toluene	10.38	92	149893	19.485	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	70524	18.156	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	85563	19.168	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	39267	18.673	ug/l	92
56) Ethyl methacrylate	10.65	69	39794	15.247	ug/l	98
57) 1,3-Dichloropropane	10.93	76	66078	17.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	117504	86.848	ug/l	98
59) 2-Hexanone	10.97	43	105532	79.538	ug/l	99
60) Dibromochloromethane	11.13	129	49923	19.183	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36003	17.464	ug/l	98
64) Tetrachloroethene	10.86	164	55284	19.896	ug/l	96
65) Chlorobenzene	11.66	112	161133	19.213	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	54470	19.452	ug/l	98
67) Ethyl Benzene	11.73	91	292113	19.281	ug/l	99
68) m/p-Xylenes	11.84	106	236771	39.593	ug/l	98
69) o-Xylene	12.16	106	107341	19.291	ug/l	96
70) Styrene	12.18	104	170436	18.932	ug/l	99
71) Bromoform	12.35	173	27248	18.122	ug/l #	99
73) Isopropylbenzene	12.46	105	294581	19.025	ug/l	99
74) N-amyl acetate	12.27	43	56512	15.417	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	41925	17.165	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	35854m	20.988	ug/l	
77) Bromobenzene	12.75	156	67466	19.069	ug/l	94
78) n-propylbenzene	12.80	91	371431	19.475	ug/l	100
79) 2-Chlorotoluene	12.90	91	207818	19.394	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	258618	19.377	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12168	15.932	ug/l	93
82) 4-Chlorotoluene	12.99	91	219725	19.236	ug/l	99
83) tert-Butylbenzene	13.21	119	217692	19.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	259592	19.227	ug/l	100
85) sec-Butylbenzene	13.38	105	321847	19.298	ug/l	99
86) p-Isopropyltoluene	13.50	119	283922	19.030	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	143764	19.336	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	139860	19.034	ug/l	97
89) n-Butylbenzene	13.83	91	274356	19.343	ug/l	98
90) Hexachloroethane	14.10	117	50819	19.749	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	123980	18.900	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7071	16.255	ug/l	98

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QLast Update : Fri Mar 08 05:22:30 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	81104	18.307	ug/l	99
94) Hexachlorobutadiene	15.24	225	57034	20.553	ug/l	99
95) Naphthalene	15.37	128	114382	15.772	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70595	18.122	ug/l	97

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

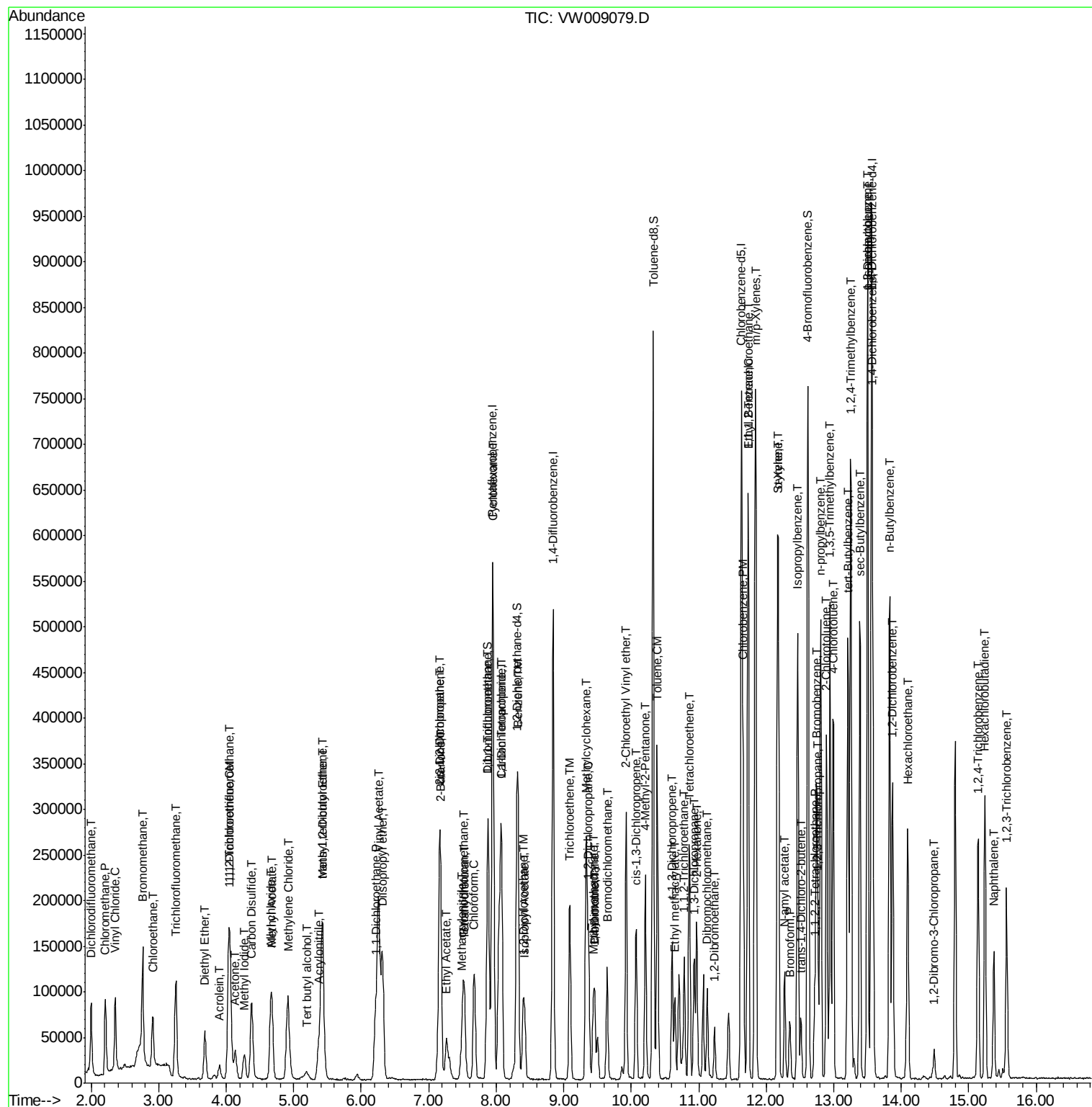
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031119\
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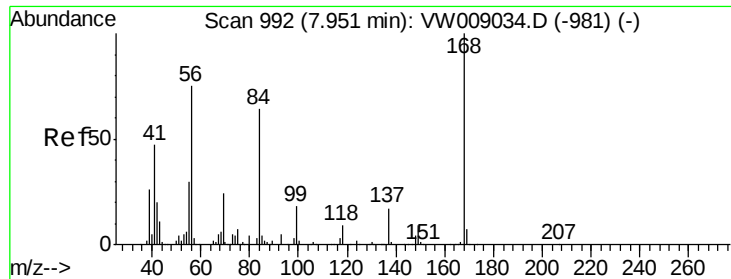
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion:168 Resp: 284758

Ion Ratio Lower Upper

168 100

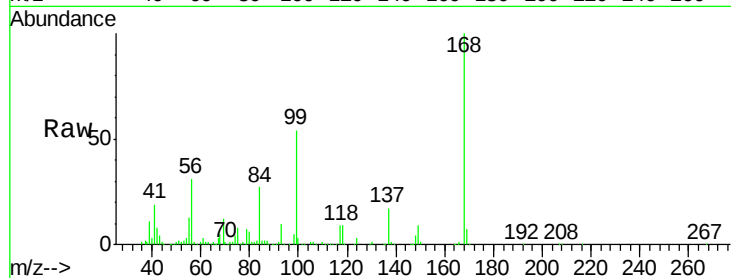
99 54.3 42.2 63.2

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

150000

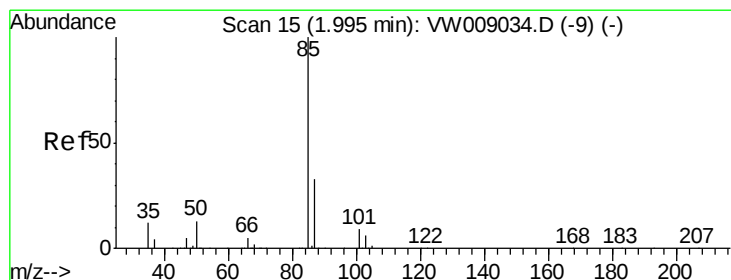
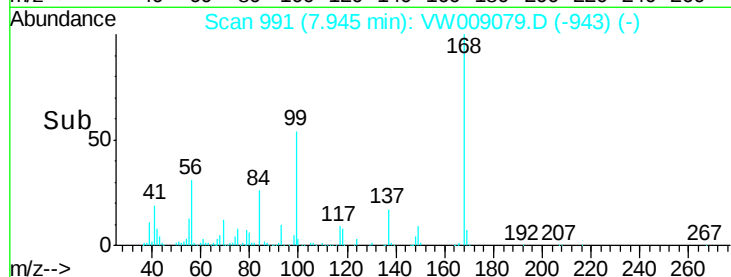
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.204 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009079.D

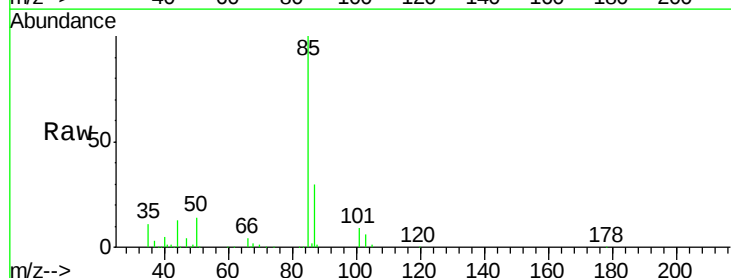
Acq: 11 Mar 2019 11:56

Tgt Ion: 85 Resp: 63720

Ion Ratio Lower Upper

85 100

87 30.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

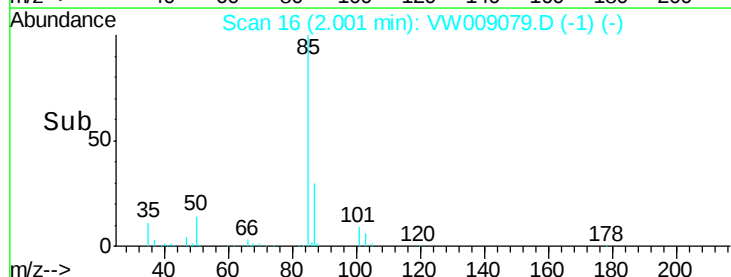
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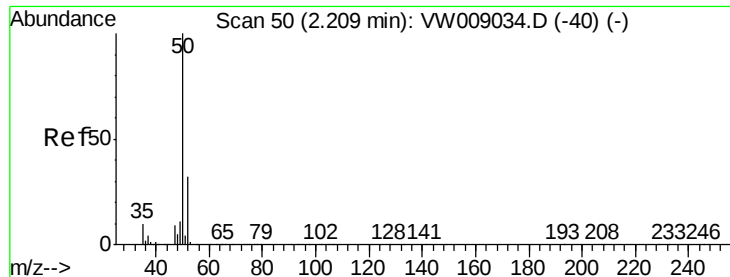
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.722 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 50 Resp: 75546

Ion Ratio Lower Upper

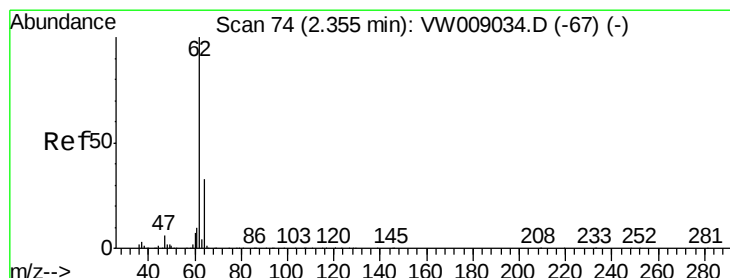
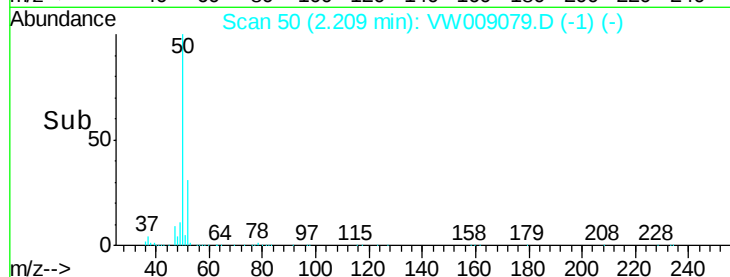
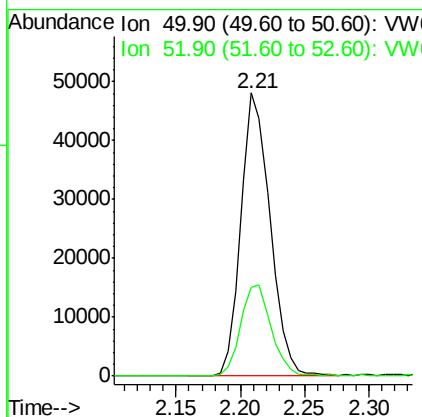
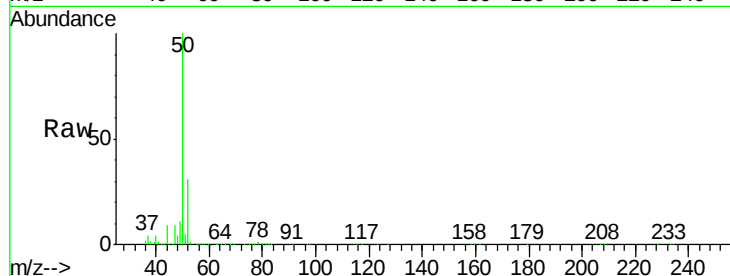
50 100

52 31.4 25.4 38.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.995 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009079.D

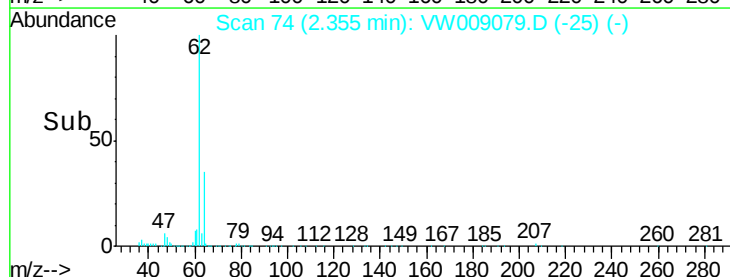
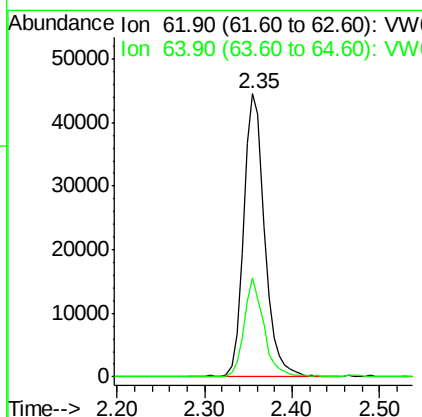
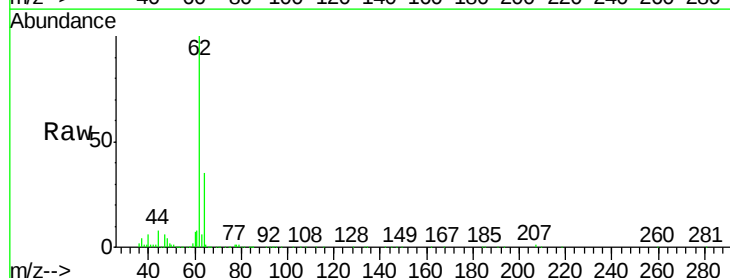
Acq: 11 Mar 2019 11:56

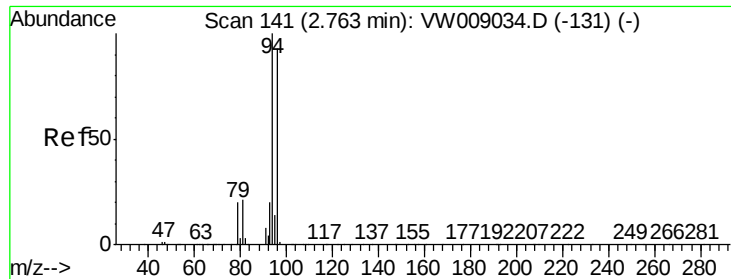
Tgt Ion: 62 Resp: 73978

Ion Ratio Lower Upper

62 100

64 34.8 26.0 39.0





#5

Bromomethane

Concen: 23.034 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 94 Resp: 71936

Ion Ratio Lower Upper

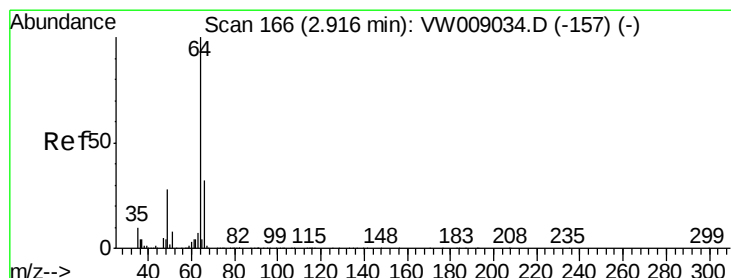
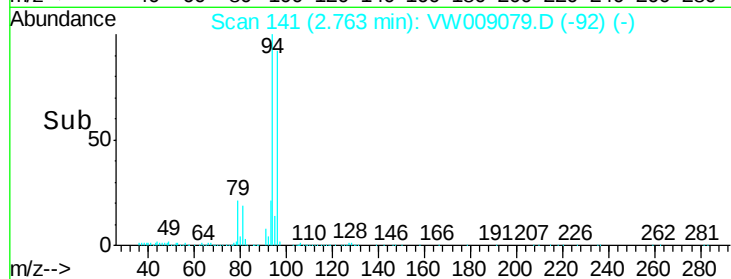
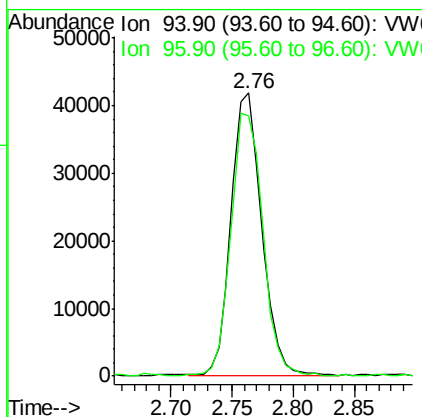
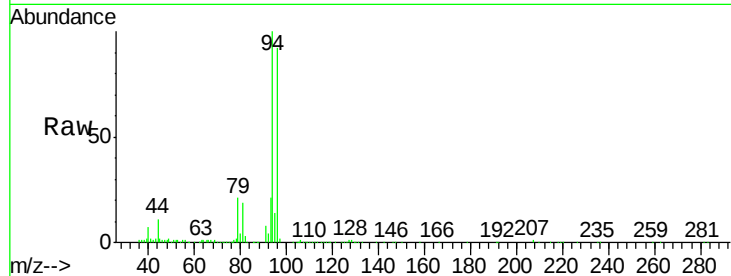
94 100

96 91.9 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 19.520 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009079.D

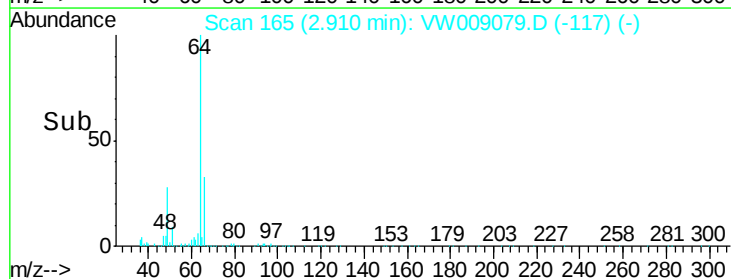
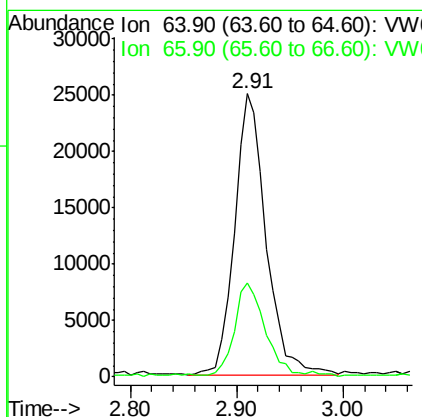
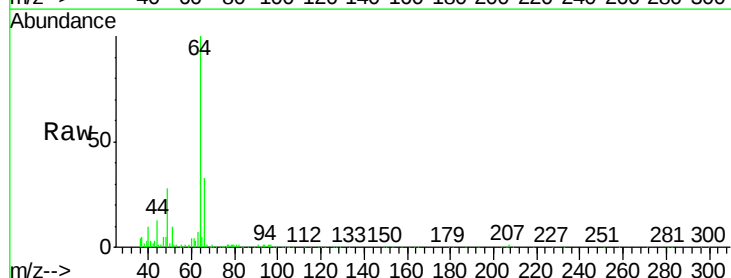
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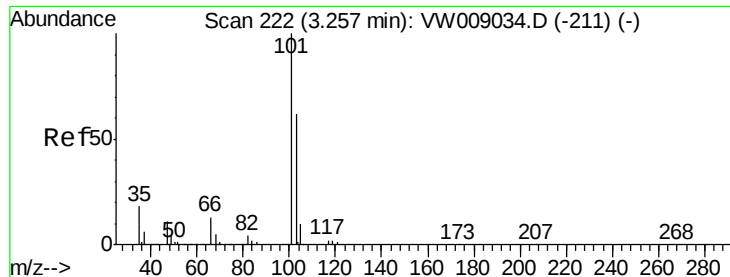
Tgt Ion: 64 Resp: 51413

Ion Ratio Lower Upper

64 100

66 33.1 25.5 38.3





#7

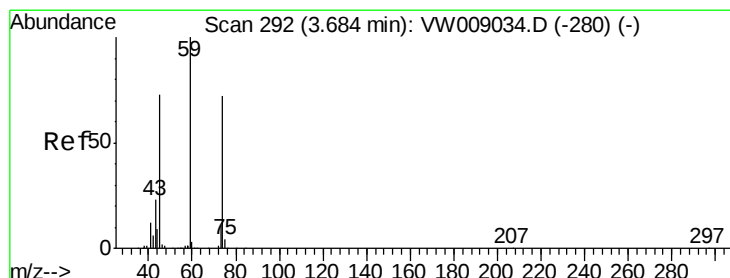
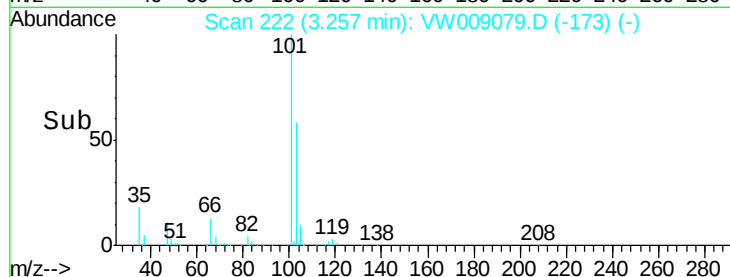
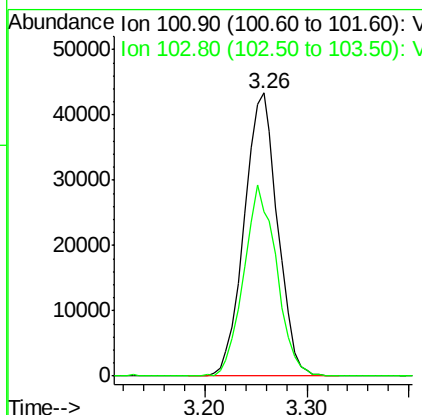
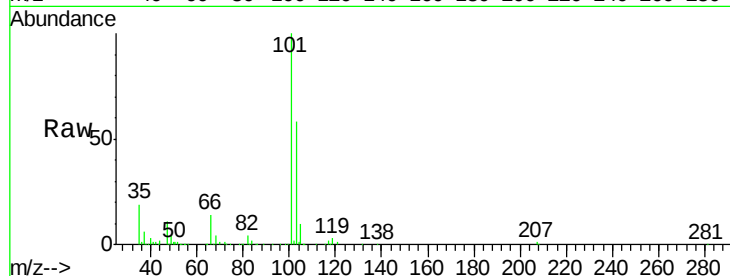
Trichlorofluoromethane
Concen: 20.686 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.3	49.9	74.9

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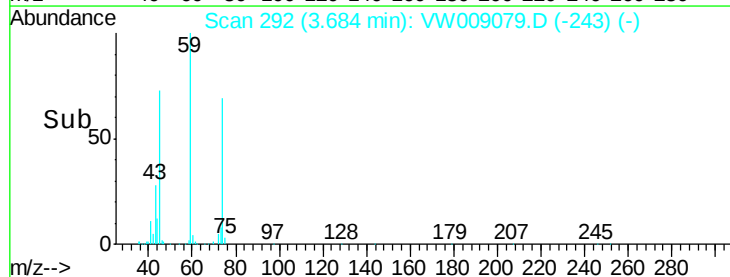
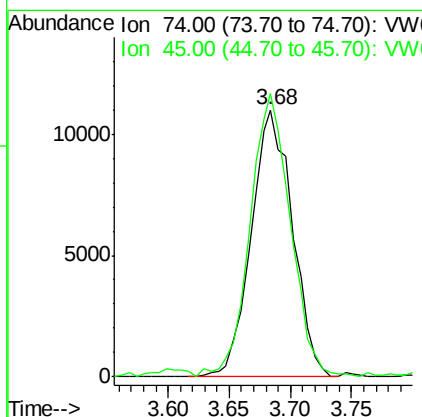
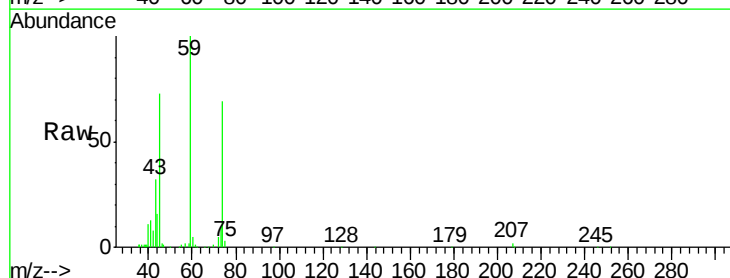
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3/12/2019 1:15:42 PM

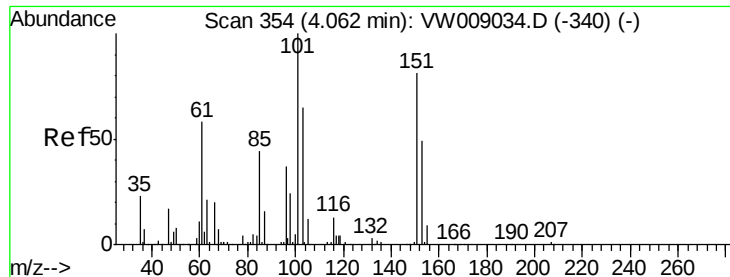


#8

Diethyl Ether
Concen: 17.637 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009079.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.142 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

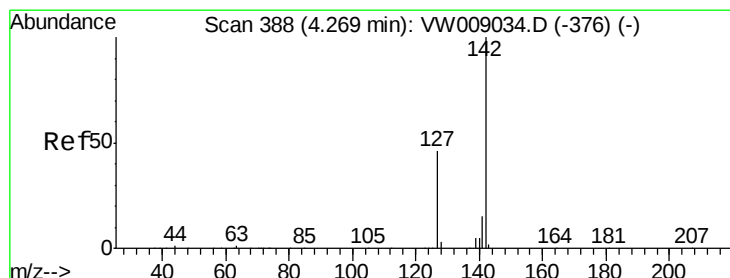
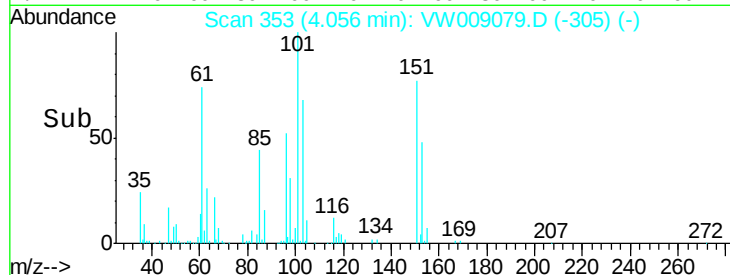
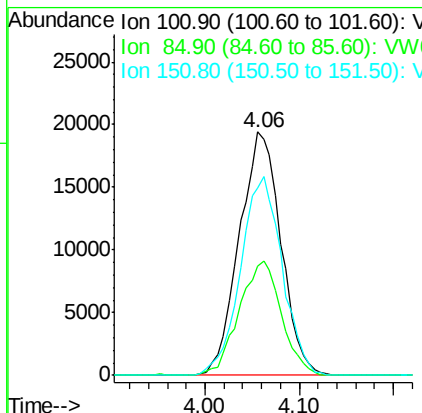
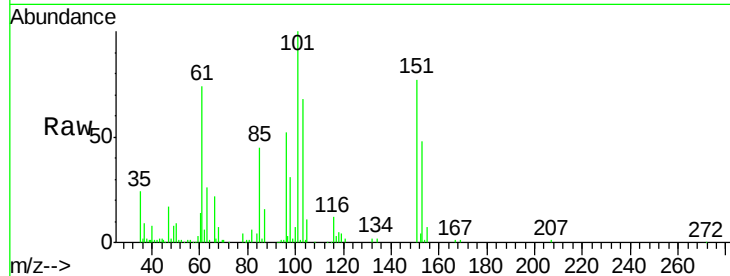
ClientSampled :

VW0311SBS01

Tot Ion:	101	Resp:	59758
Ion Ratio	Lower	Upper	
101	100		
85	47.7	36.2	54.4
151	81.8	63.4	95.2

Manual Integrations
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3/12/2019 1:15:42 PM



#10

Methyl Iodide

Concen: 15.988 ug/l

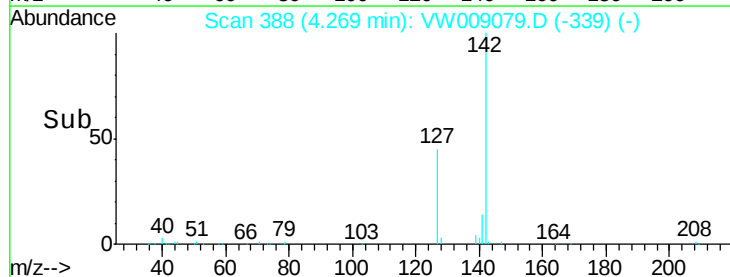
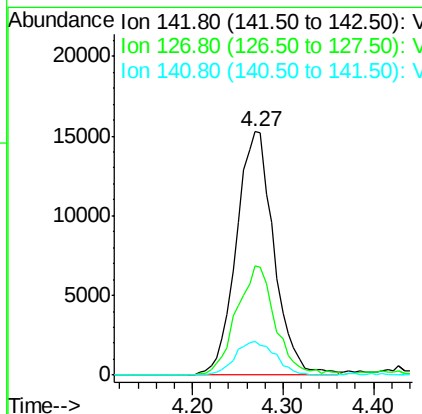
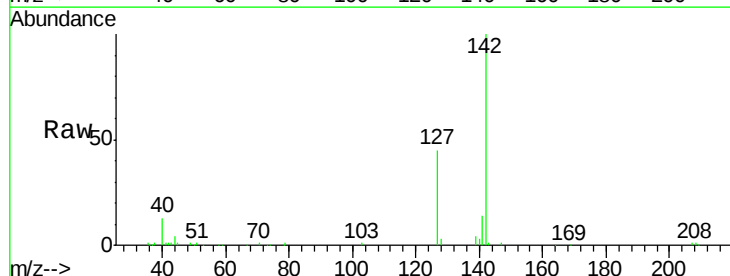
RT: 4.27 min Scan# 388

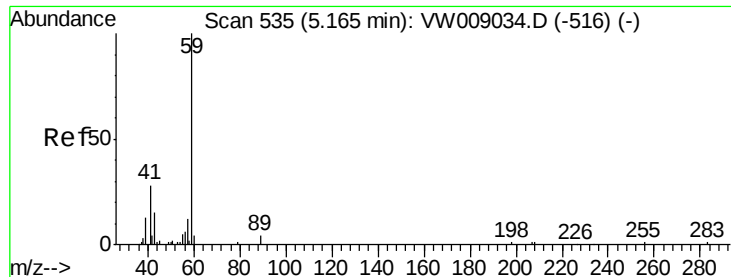
Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Tgt Ion:	142	Resp:	44001
Ion Ratio	Lower	Upper	
142	100		
127	46.3	35.8	53.6
141	14.7	11.8	17.8





#11

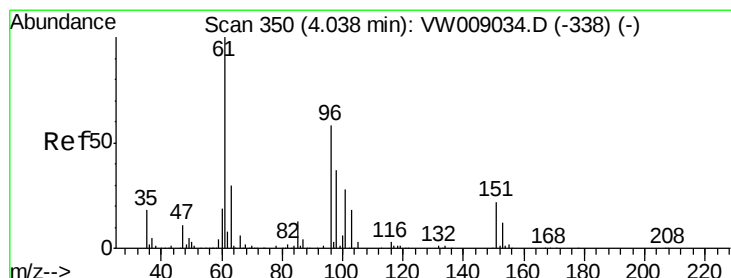
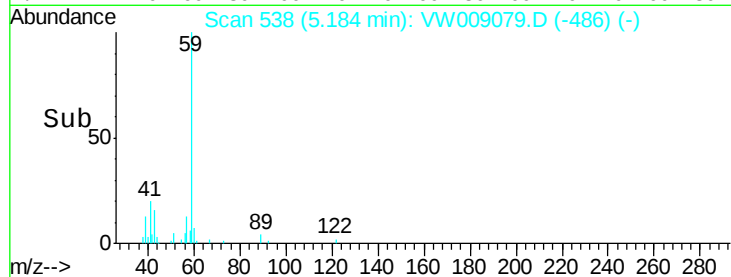
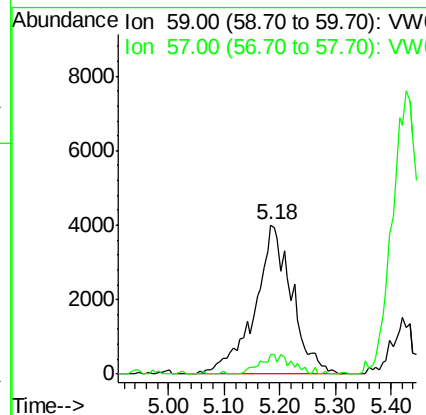
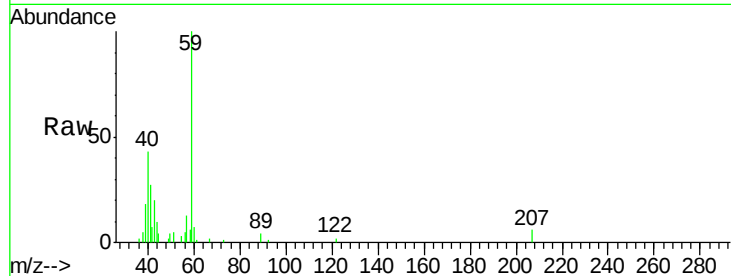
Tert butyl alcohol
Concen: 84.872 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	8.6	12.8#

Manual Integrations
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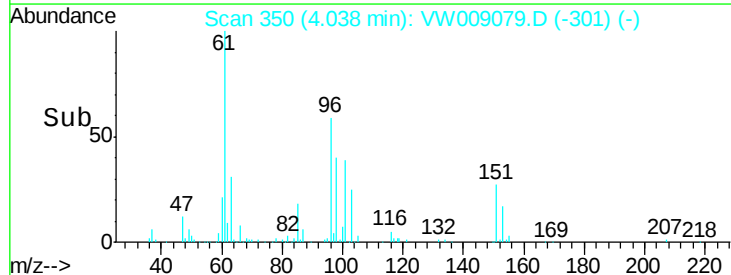
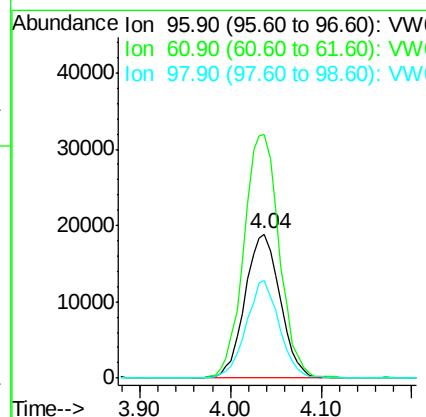
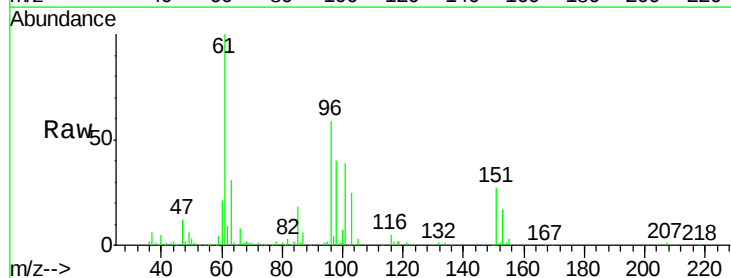
MMDadoda
3/12/2019 1:15:42 PM

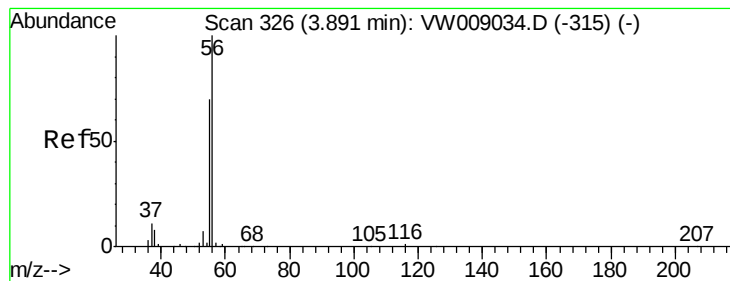


#12

1,1-Dichloroethene
Concen: 19.867 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.1	138.2	207.2
98	68.2	51.3	76.9





#13

Acrolein

Concen: 75.717 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 56 Resp: 18292

Ion Ratio Lower Upper

56 100

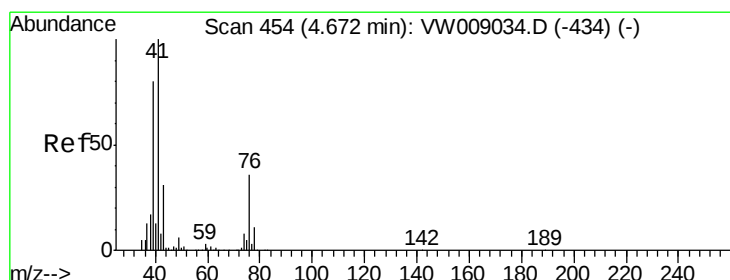
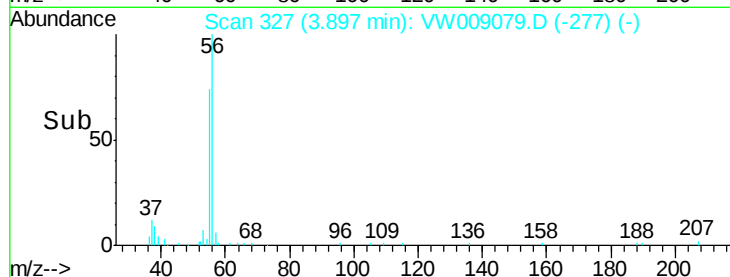
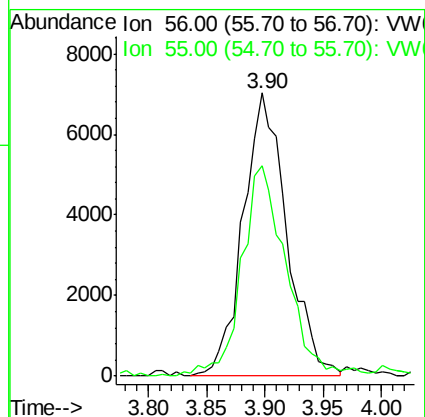
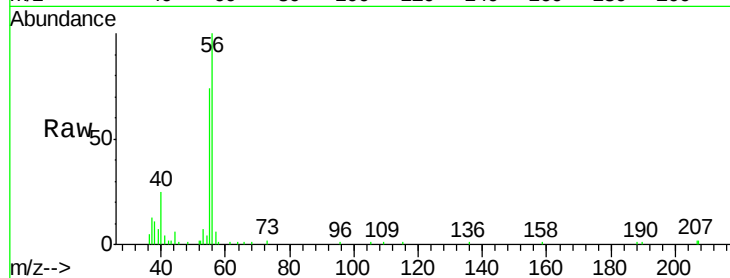
55 74.5 56.6 84.8

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 18.996 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

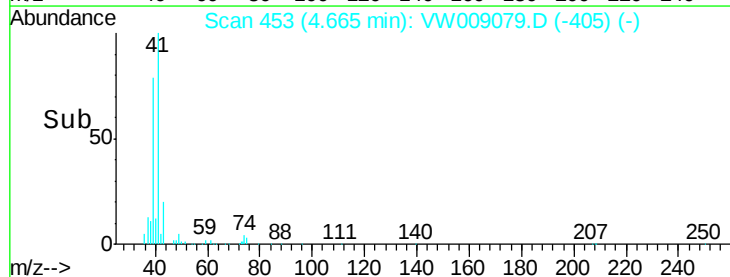
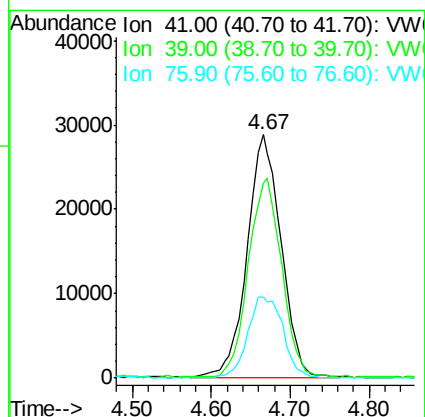
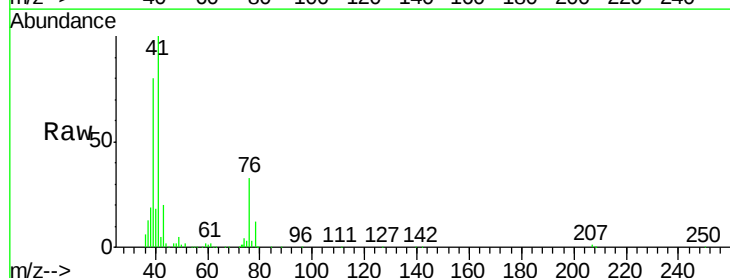
Tgt Ion: 41 Resp: 85753

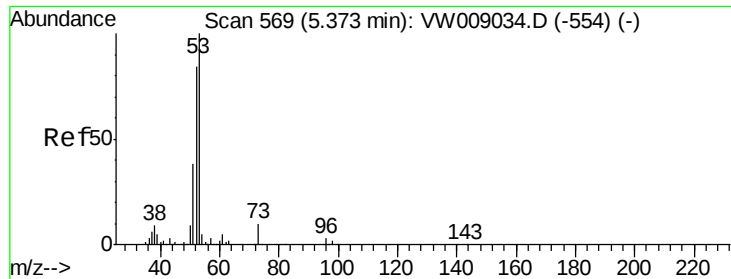
Ion Ratio Lower Upper

41 100

39 80.8 63.0 94.4

76 35.0 28.2 42.2





#15

Acrylonitrile

Concen: 83.221 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

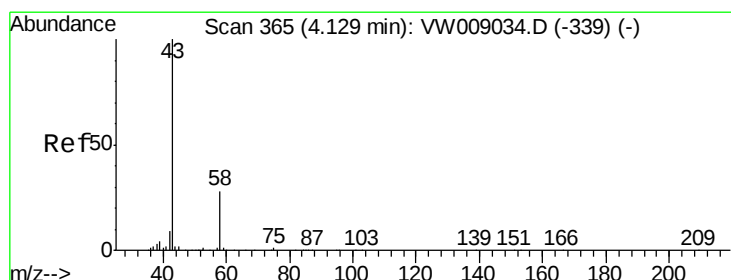
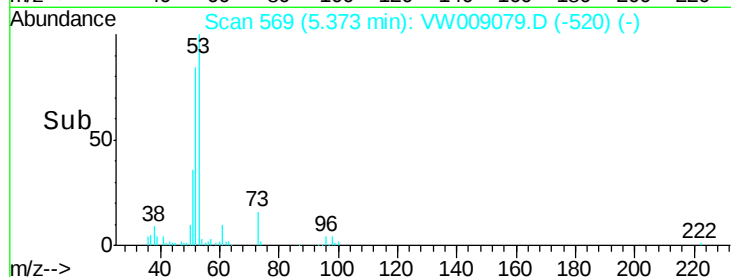
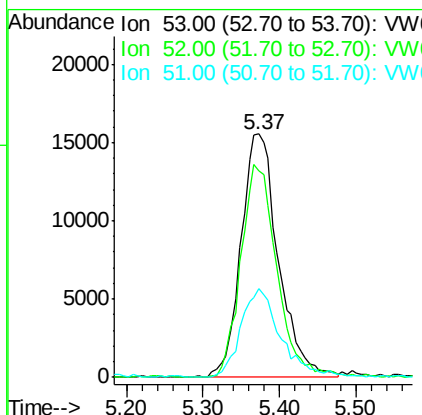
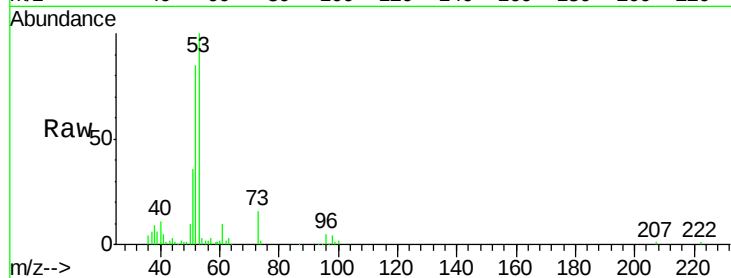
ClientSampleId :

VW0311SBS01

Tot Ion:	53	Resp:	52905
Ion	Ratio	Lower	Upper
53	100		
52	84.6	67.2	100.8
51	38.8	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 85.129 ug/l

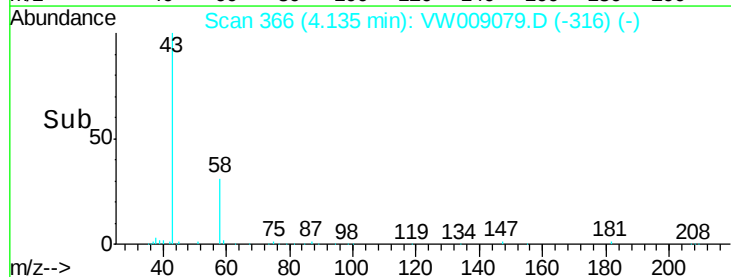
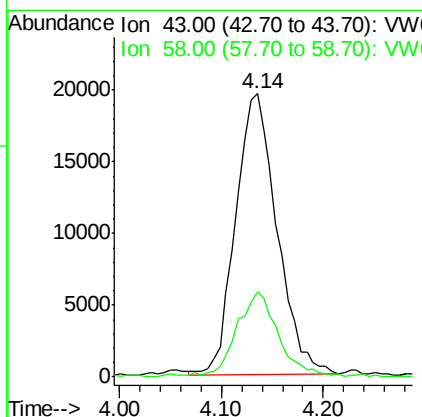
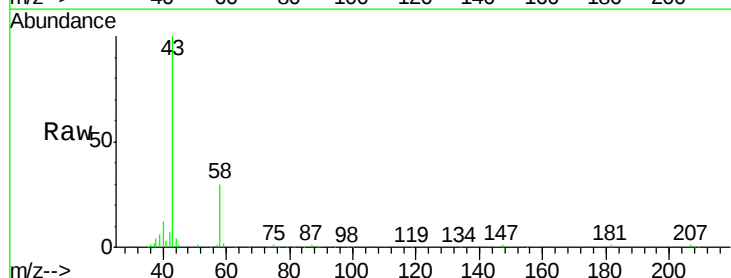
RT: 4.14 min Scan# 366

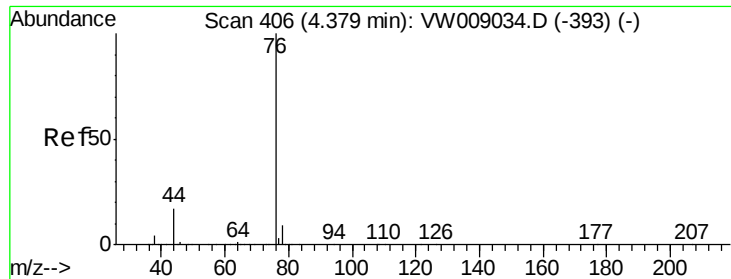
Delta R.T. 0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Tgt Ion:	43	Resp:	55036
Ion	Ratio	Lower	Upper
43	100		
58	30.0	22.5	33.7





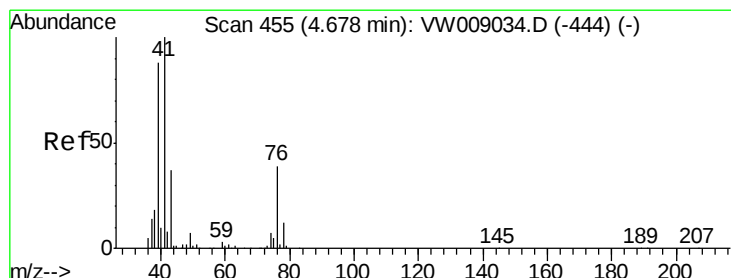
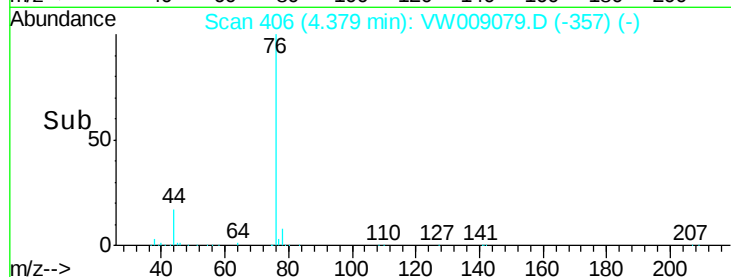
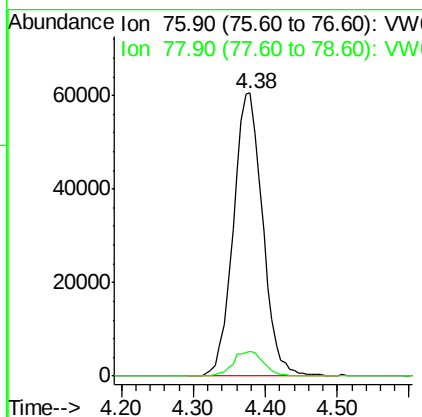
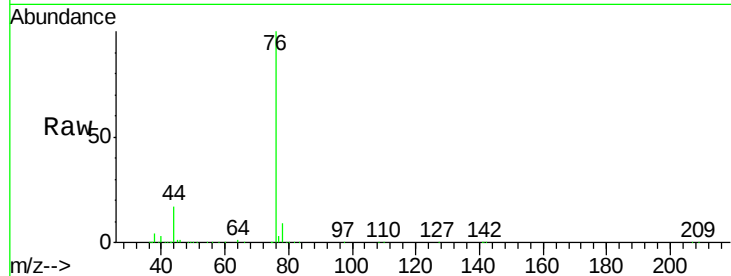
#17
Carbon Disulfide
Concen: 19.853 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.6

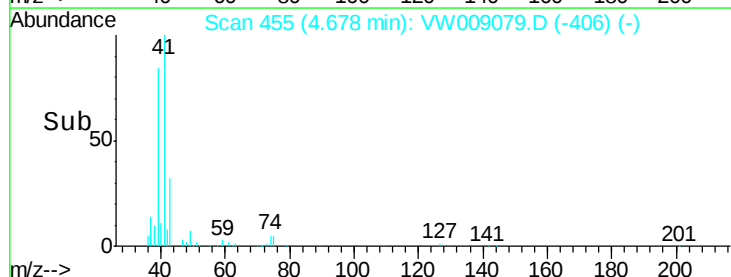
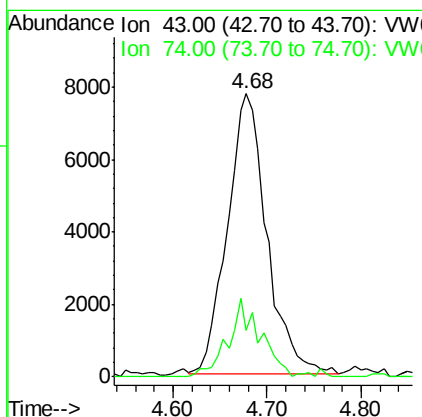
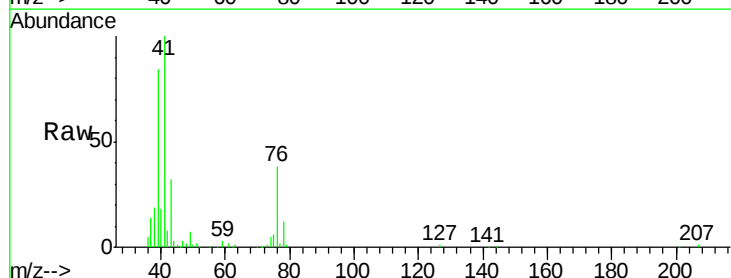
Manual Integrations
APPROVED

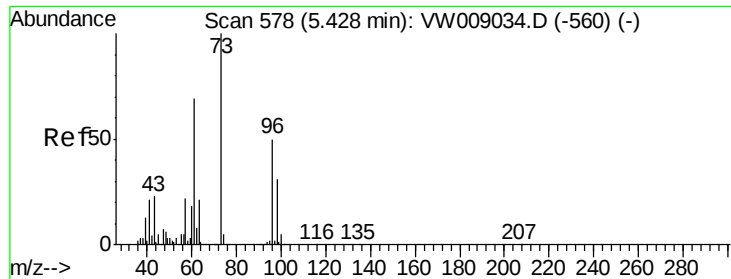
MMDadoda
3/12/2019 1:15:42 PM



#18
Methyl Acetate
Concen: 15.127 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.6	26.4





#19

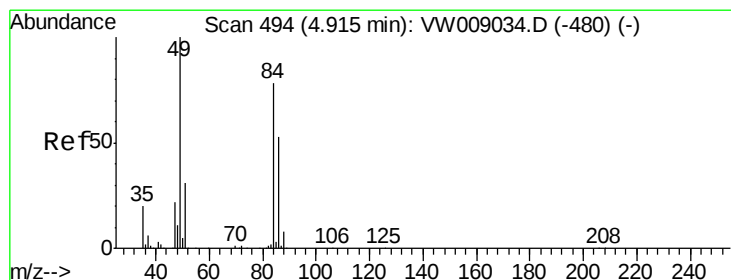
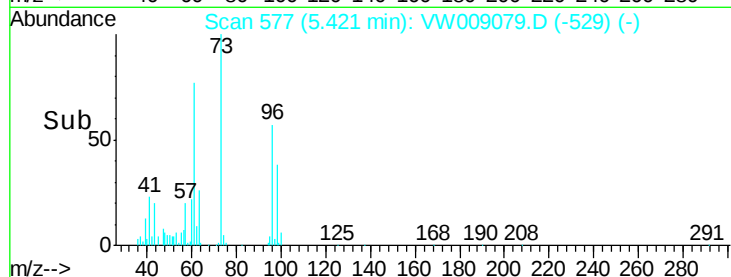
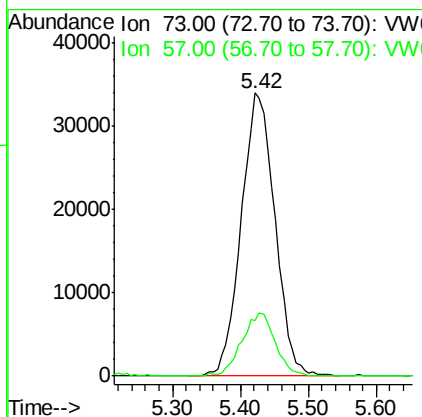
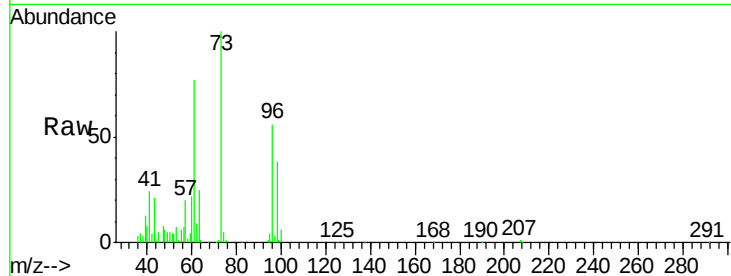
Methyl tert-butyl Ether
 Concen: 17.270 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion: 73 Resp: 116915
 Ion Ratio Lower Upper
 73 100
 57 19.7 17.3 25.9

Manual Integrations
 APPROVED

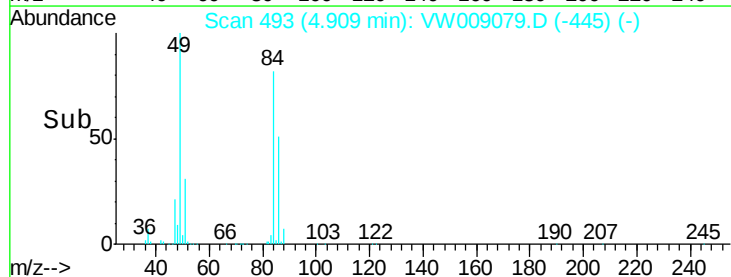
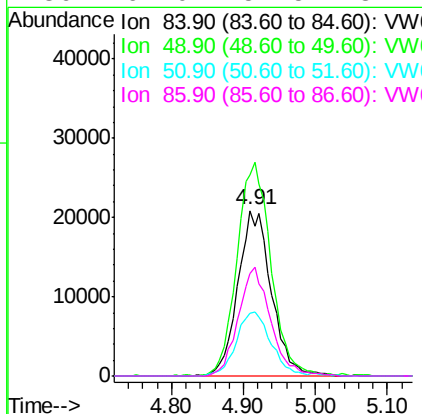
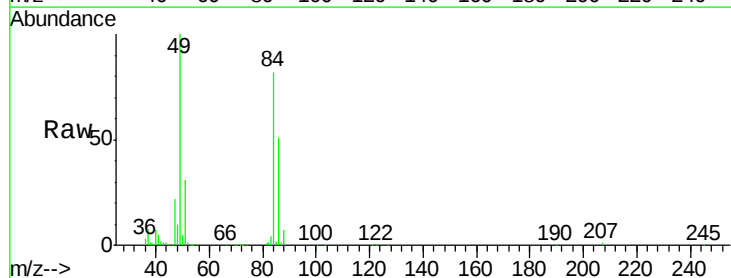
MMDadoda
 3/12/2019 1:15:42 PM

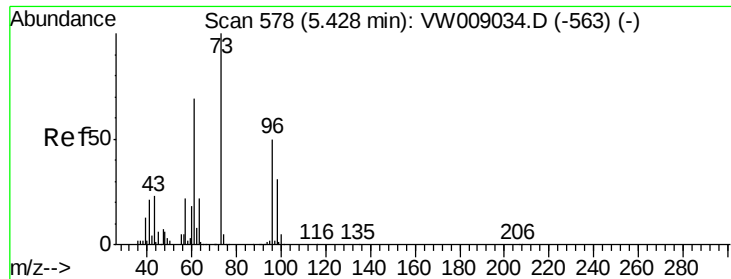


#20

Methylene Chloride
 Concen: 18.676 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion: 84 Resp: 67136
 Ion Ratio Lower Upper
 84 100
 49 121.1 102.4 153.6
 51 38.1 31.6 47.4
 86 62.0 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.286 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

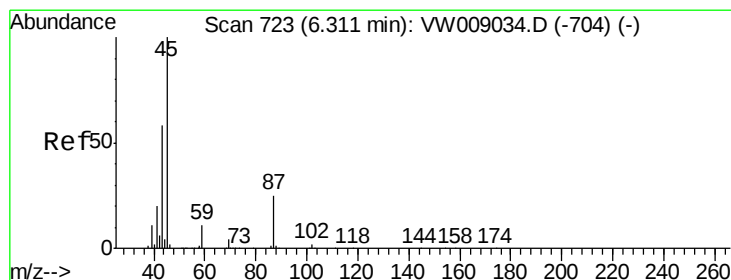
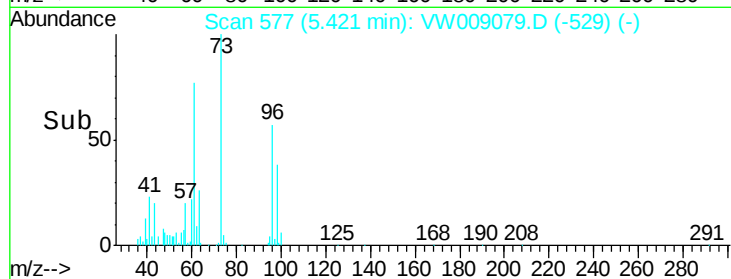
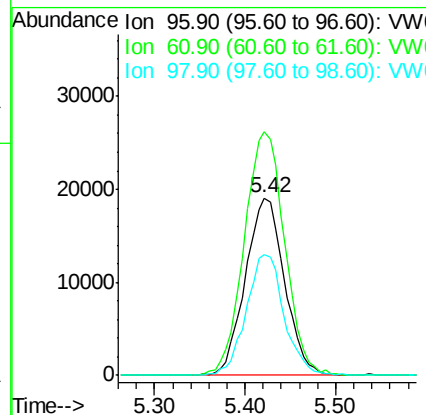
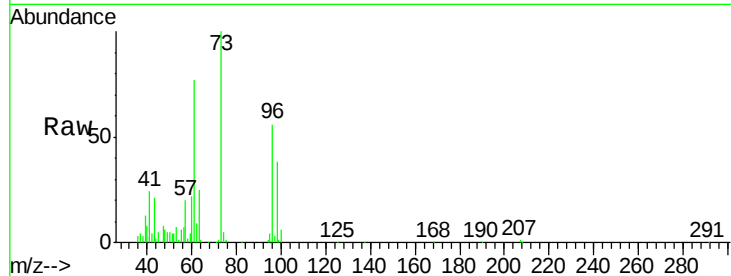
ClientSampleId :

VW0311SBS01

Tot Ion:	96	Resp:	56990
Ion	Ratio	Lower	Upper
96	100		
61	137.1	111.0	166.6
98	68.0	49.4	74.0

Manual Integrations
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3/12/2019 1:15:42 PM



#22

Diisopropyl ether

Concen: 18.643 ug/l

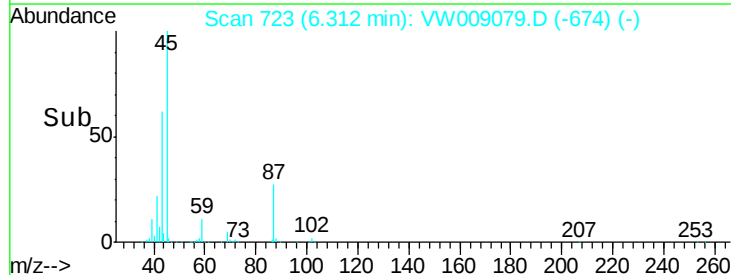
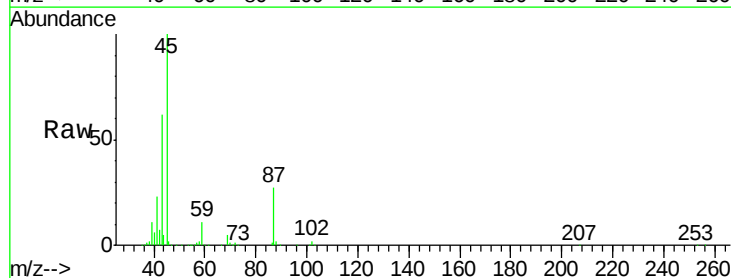
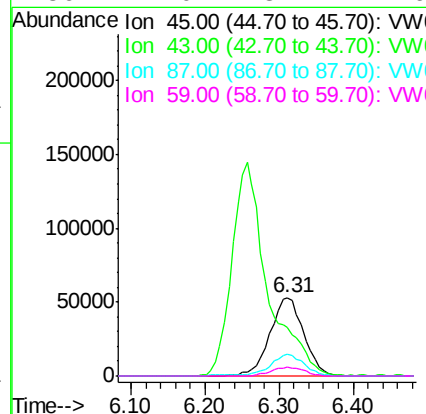
RT: 6.31 min Scan# 723

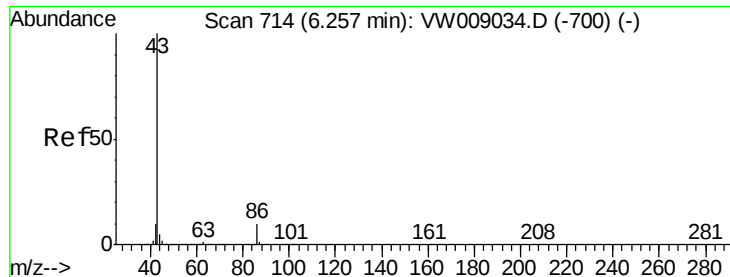
Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Tgt Ion:	45	Resp:	167248
Ion	Ratio	Lower	Upper
45	100		
43	61.4	46.2	69.4
87	27.1	20.1	30.1
59	11.0	8.4	12.6





#23

Vinyl Acetate

Concen: 86.817 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 43 Resp: 484669

Ion Ratio Lower Upper

43 100

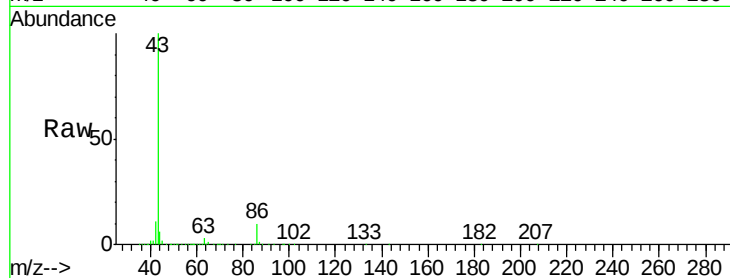
86 9.5 7.6 11.4

Manual Integrations

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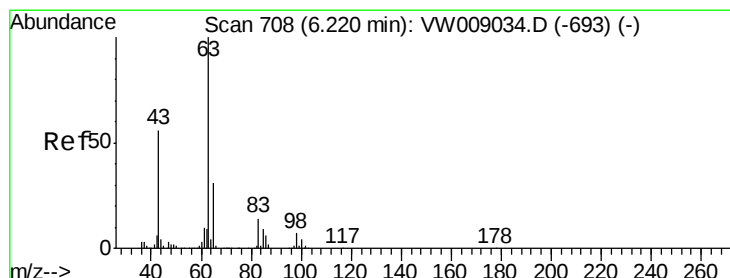
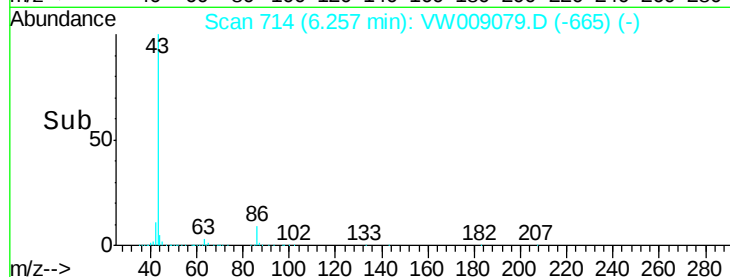
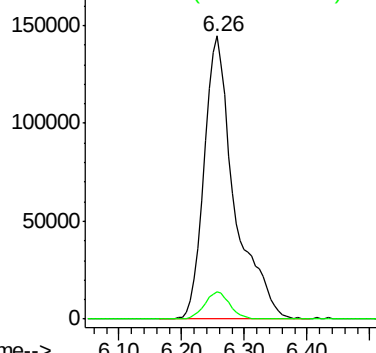
MMDadoda

3/12/2019 1:15:42 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.941 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

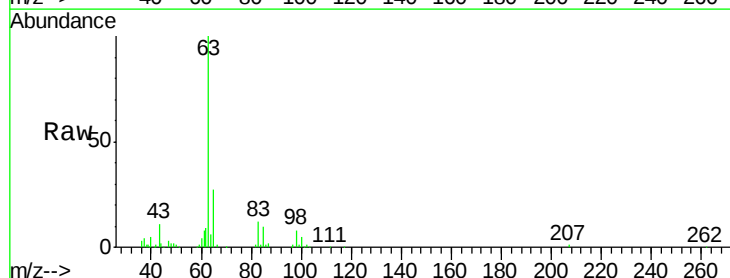
Tgt Ion: 63 Resp: 103763

Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

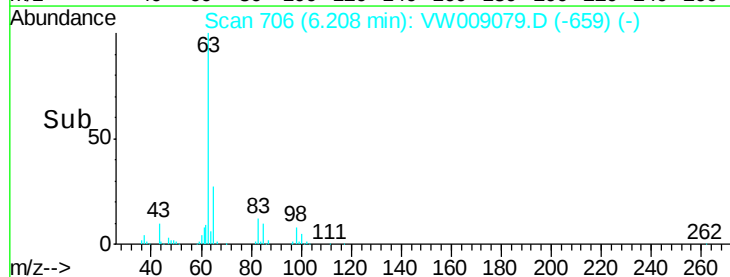
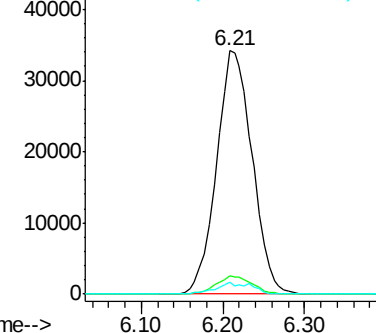
100 4.9 2.1 6.2

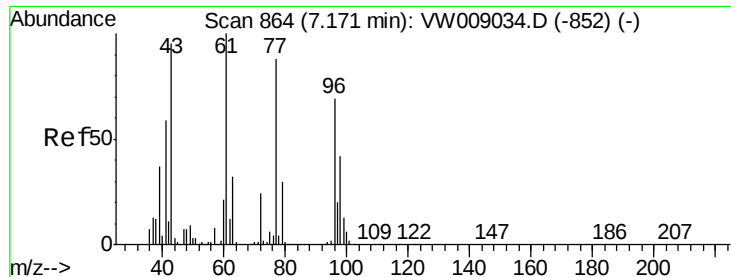


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 80.565 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 43 Resp: 71983

Ion Ratio Lower Upper

43 100

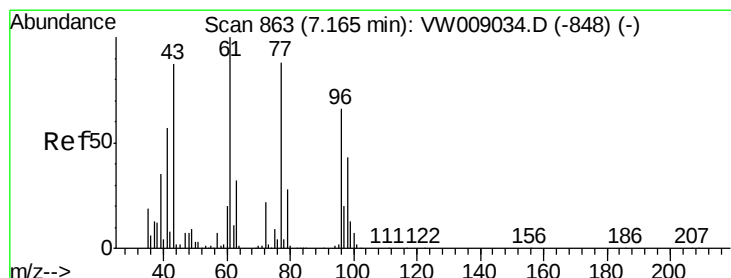
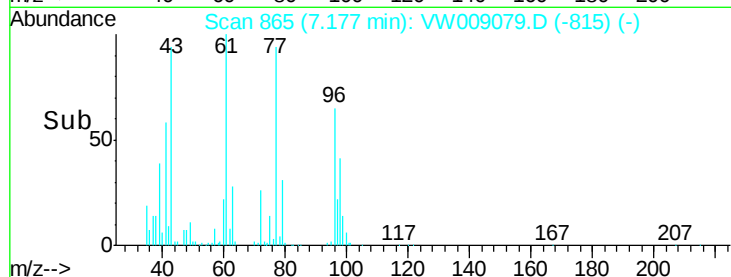
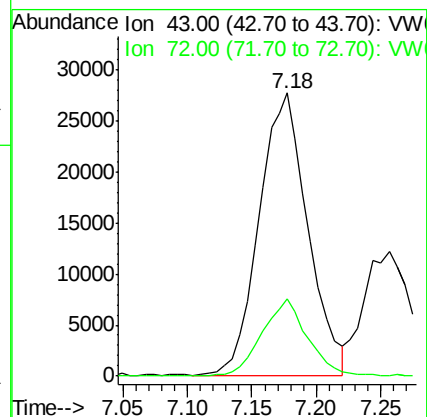
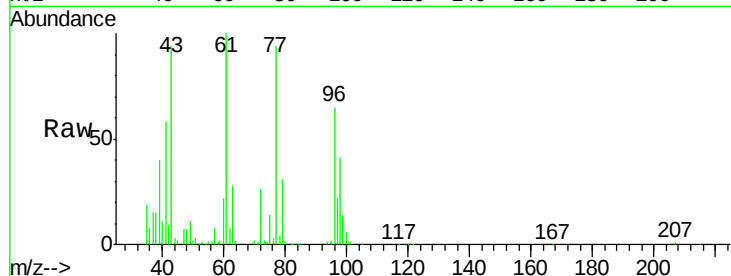
72 27.5 20.0 30.0

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#26

2,2-Dichloropropane

Concen: 20.725 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009079.D

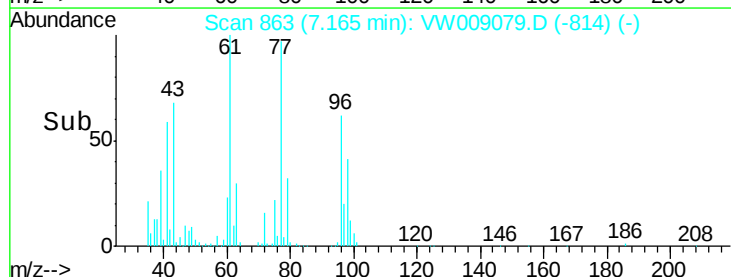
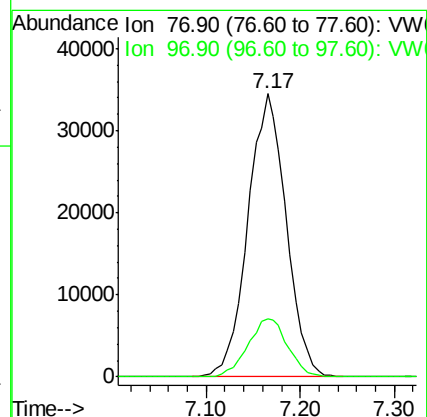
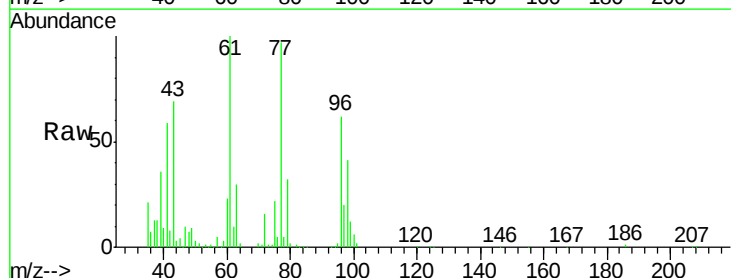
Acq: 11 Mar 2019 11:56

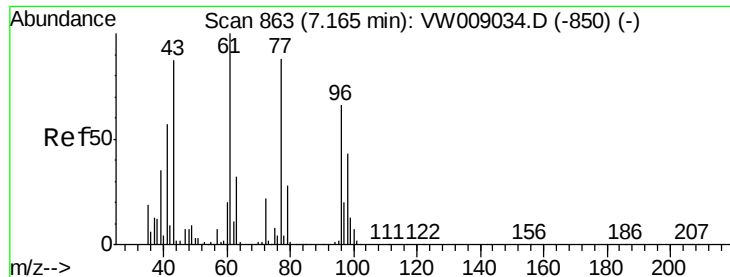
Tgt Ion: 77 Resp: 98026

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.9





#27

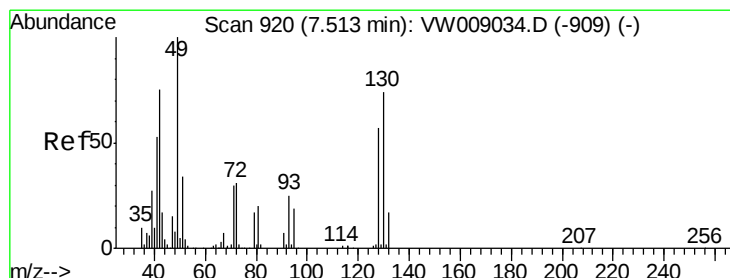
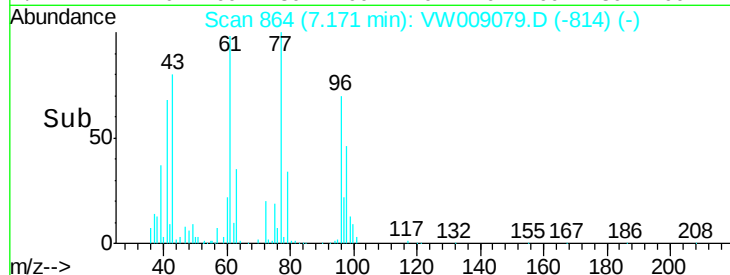
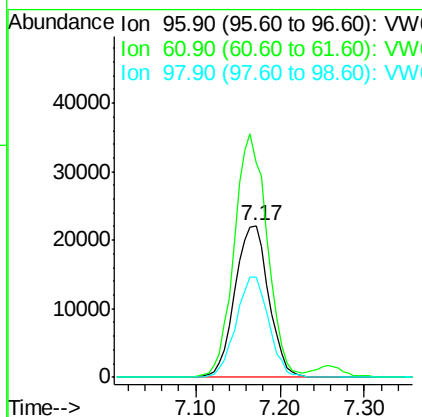
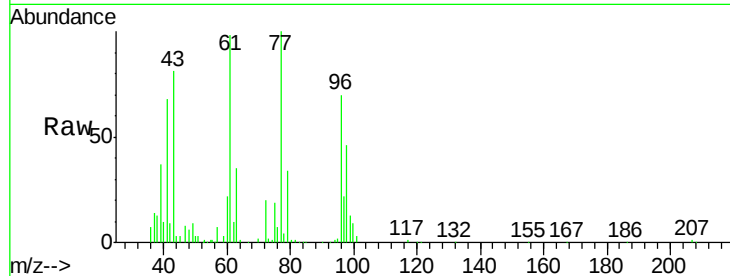
cis-1,2-Dichloroethene
 Concen: 18.878 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59913		
61	156.2	0.0	299.8	
98	64.2	0.0	127.2	

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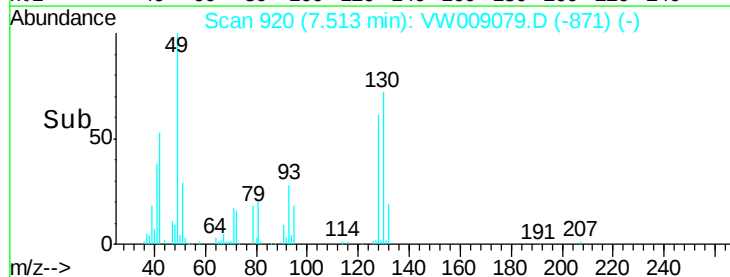
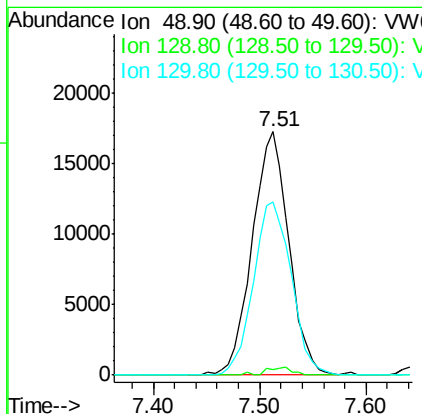
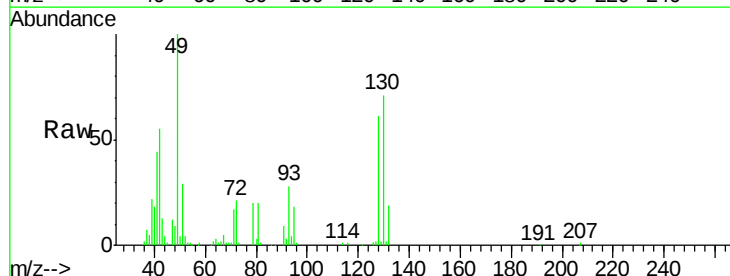
MMDadoda
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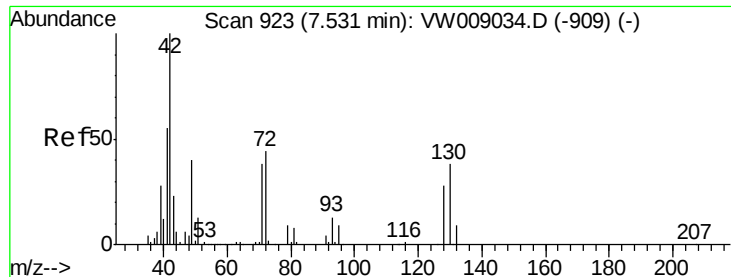


#28

Bromochloromethane
 Concen: 19.213 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41585		
129	2.1	0.0	4.6	
130	73.8	60.4	90.6	





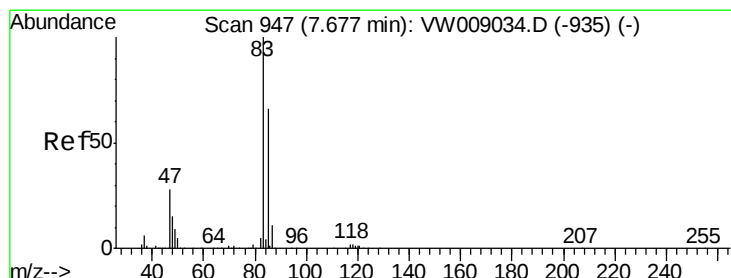
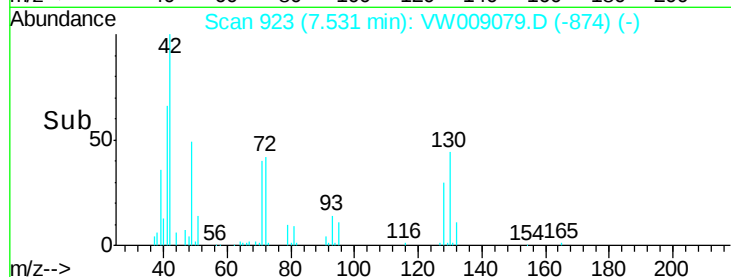
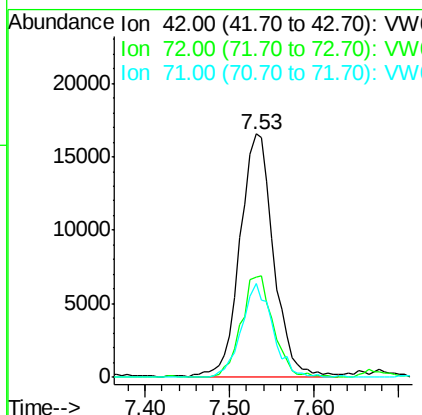
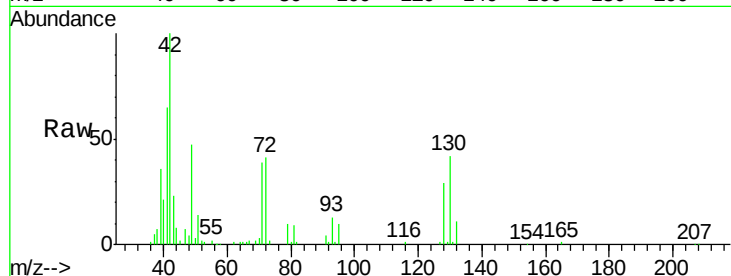
#29
Tetrahydrofuran
Concen: 79.585 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	32.2	48.4
71	35.4	30.7	46.1

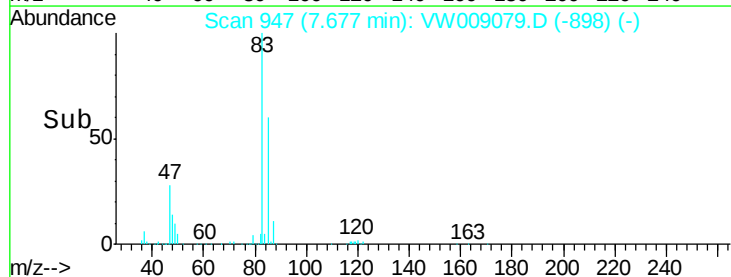
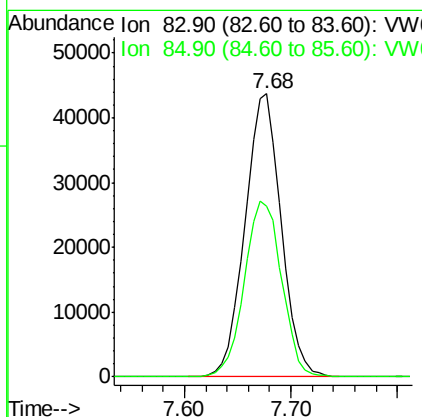
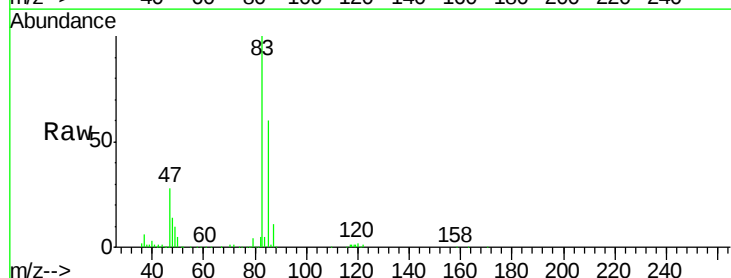
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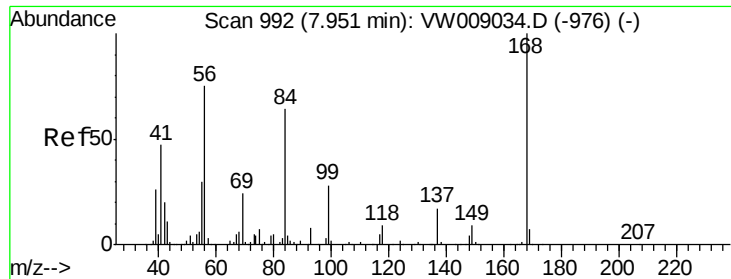
MMDadoda
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#30
Chloroform
Concen: 19.476 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.2	53.0	79.6





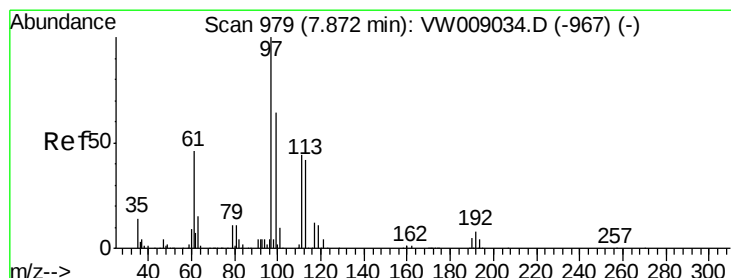
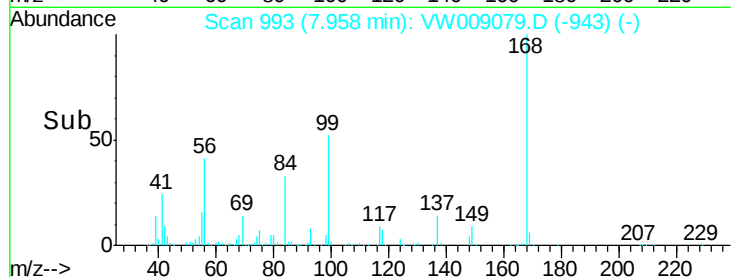
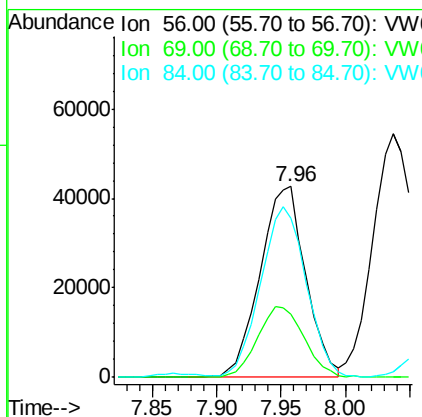
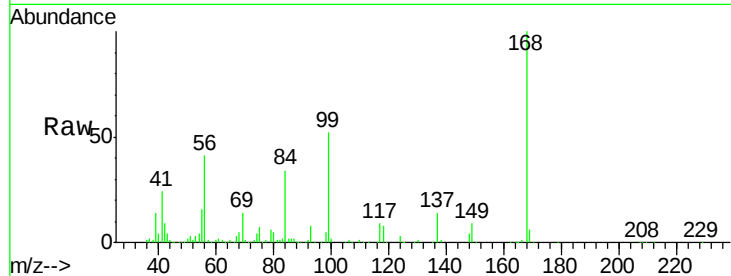
#31
Cvclohexane
Concen: 19.631 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.5	38.3
84	81.9	68.6	103.0

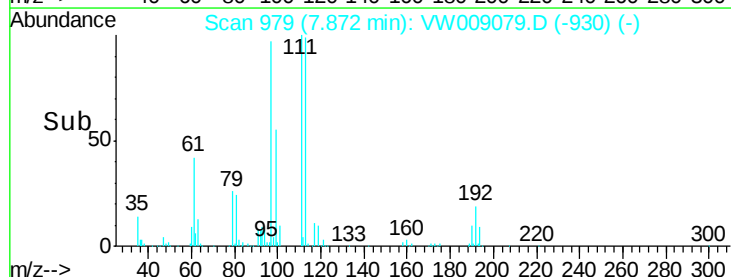
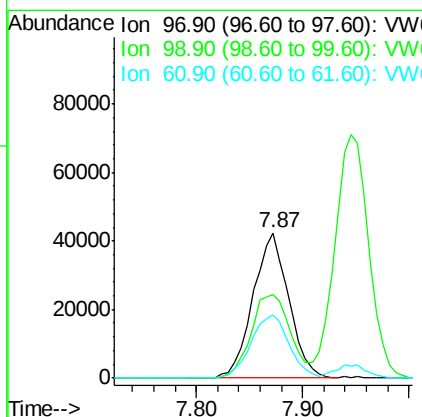
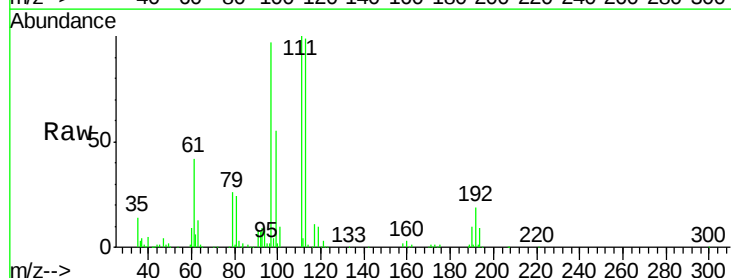
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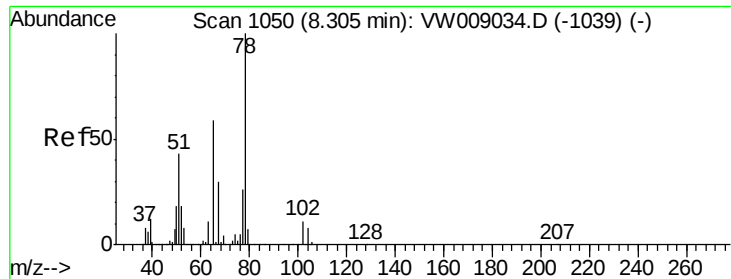
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.177 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.8	77.8
61	46.3	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 48.496 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 65 Resp: 138937

Ion Ratio Lower Upper

65 100

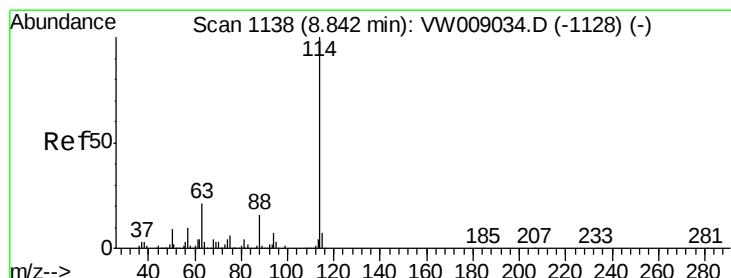
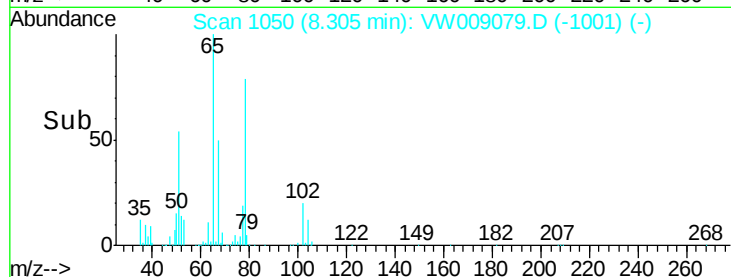
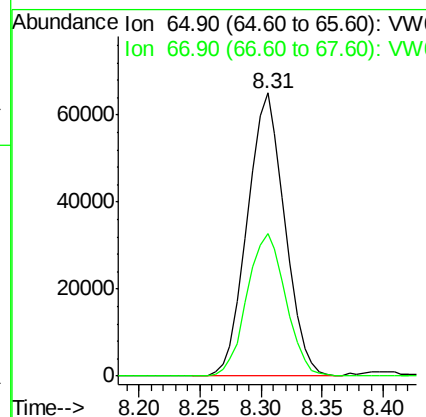
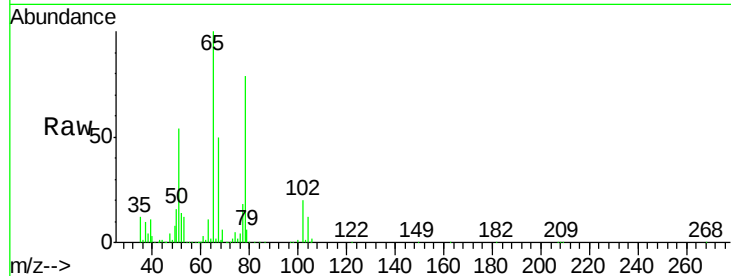
67 52.0 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

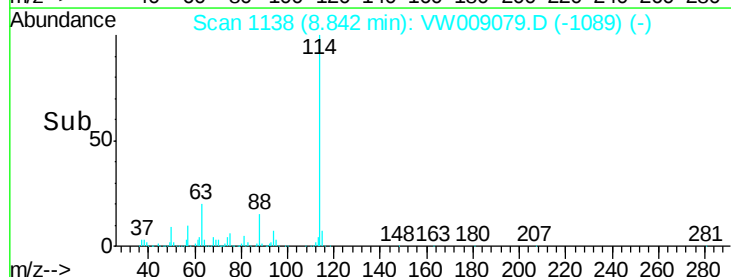
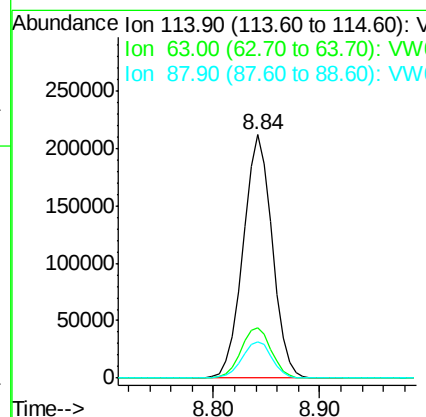
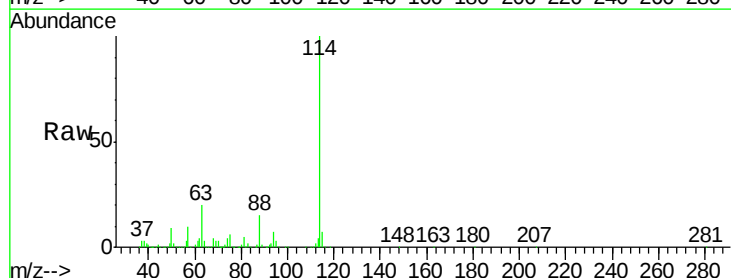
Tgt Ion: 114 Resp: 406378

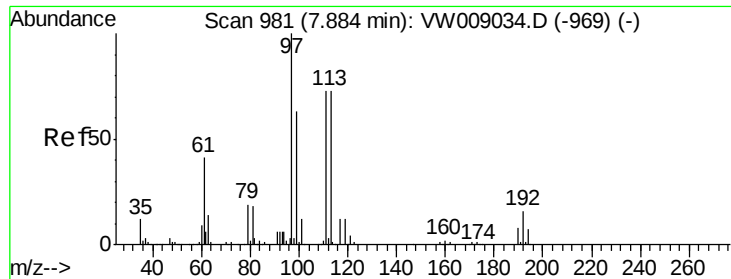
Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.2

88 14.9 0.0 31.2





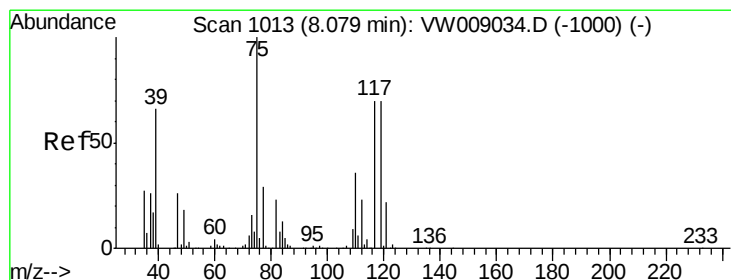
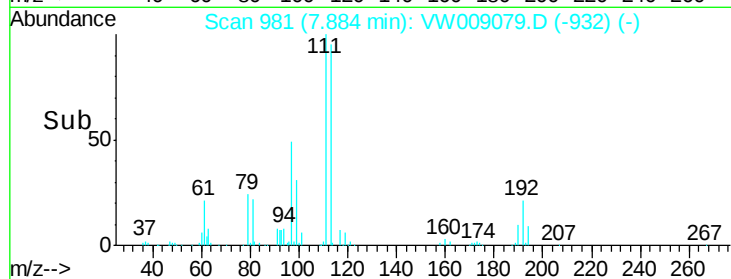
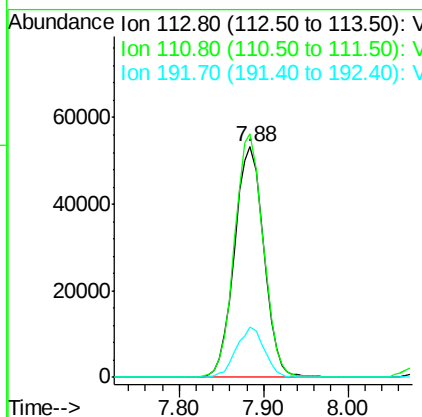
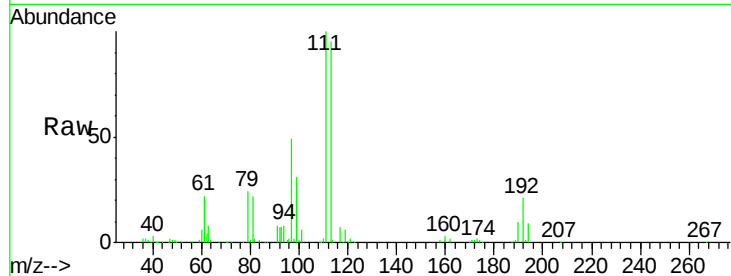
#35
 Dibromofluoromethane
 Concen: 51.284 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.0	121.4	
192	20.9	17.1	25.7	

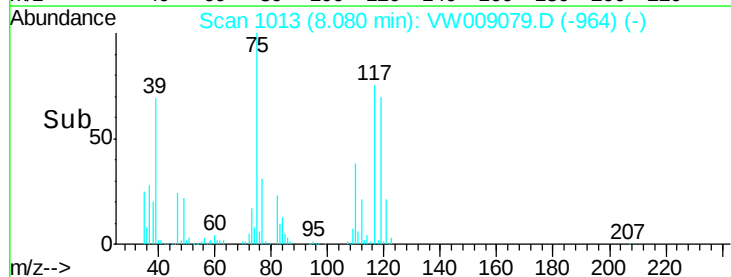
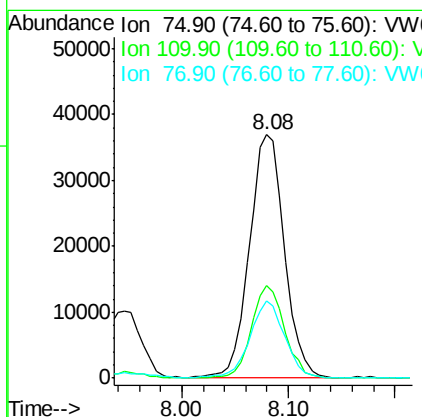
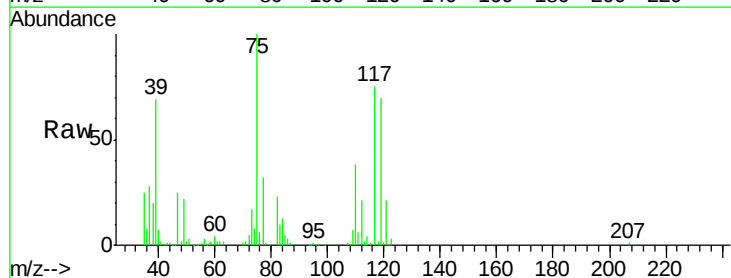
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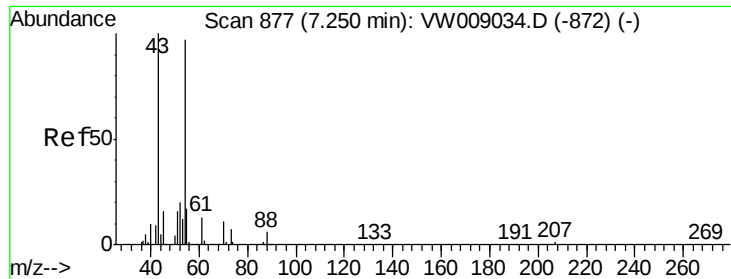
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#36
 1,1-Dichloropropene
 Concen: 20.072 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	17.6	52.9	
77	31.7	25.1	37.7	





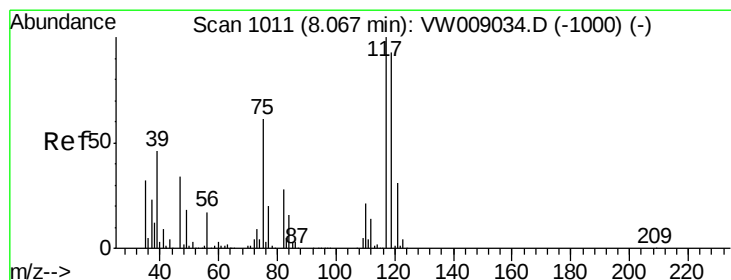
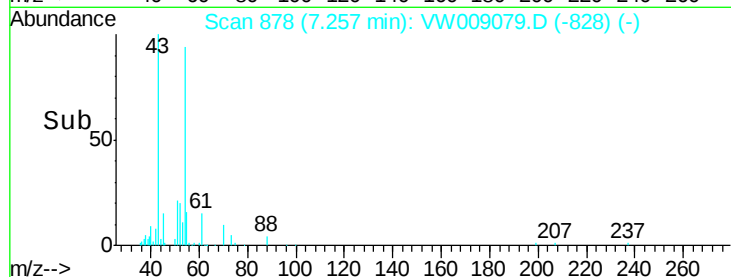
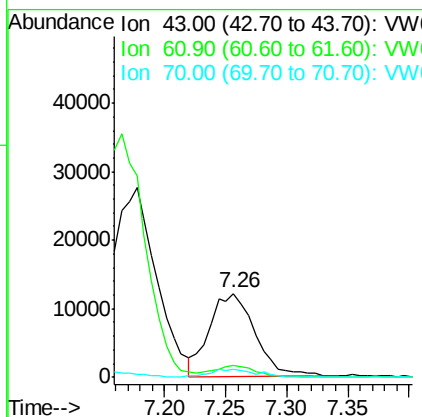
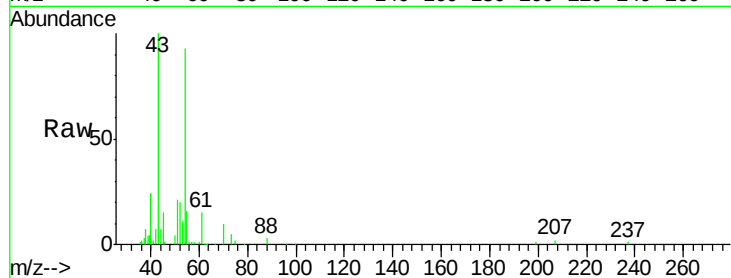
#37
Ethyl Acetate
Concen: 15.679 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.8	14.6
70	10.3	7.2	10.8

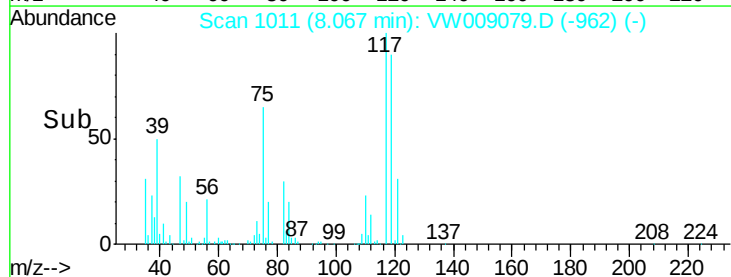
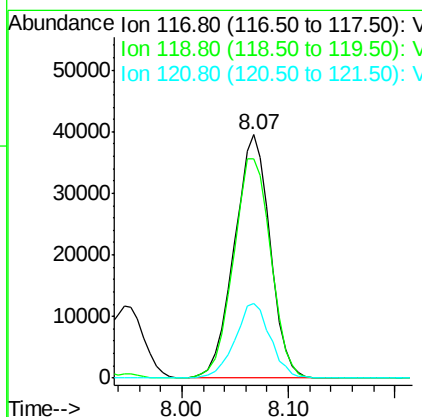
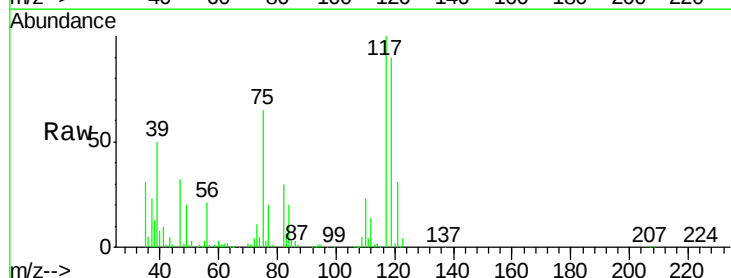
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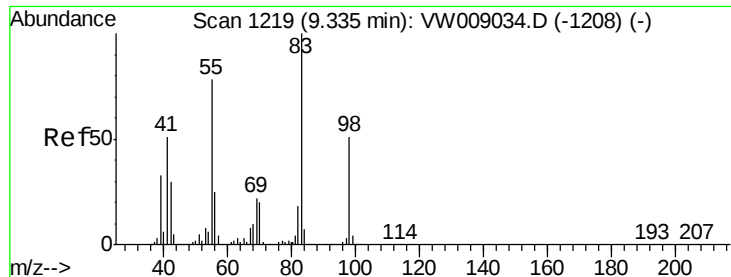
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#38
Carbon Tetrachloride
Concen: 21.163 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.1	74.6	112.0
121	30.6	24.7	37.1





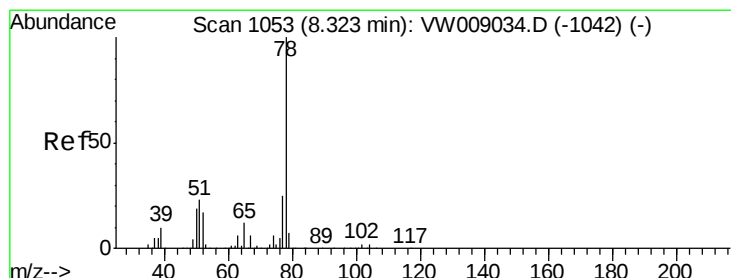
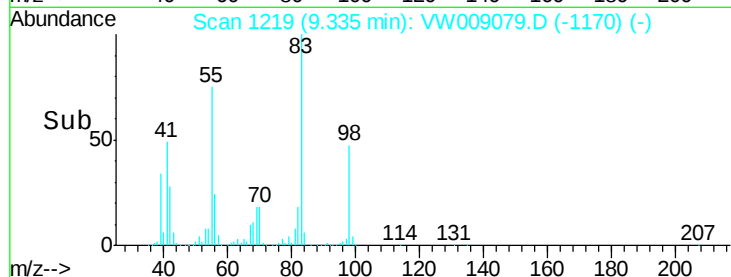
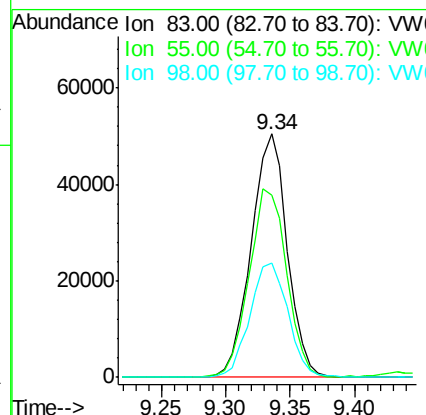
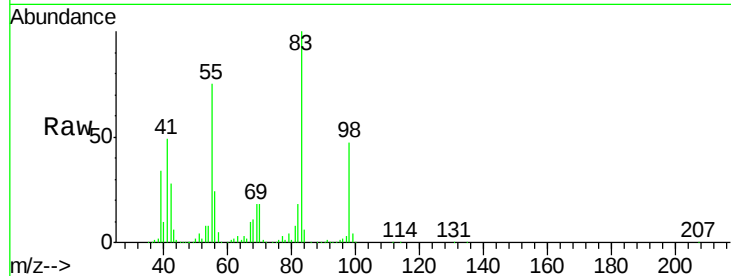
#39
Methvlcvclohexane
Concen: 19.293 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	62.7	94.1
98	46.8	40.8	61.2

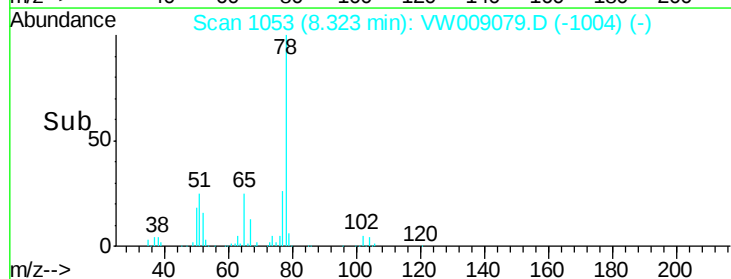
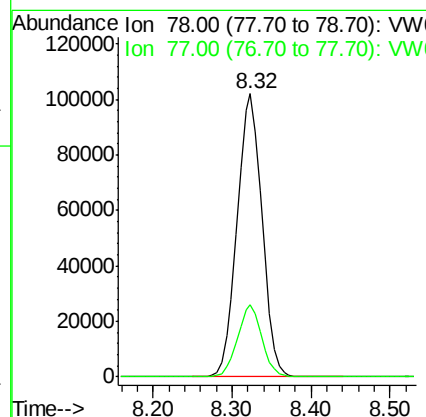
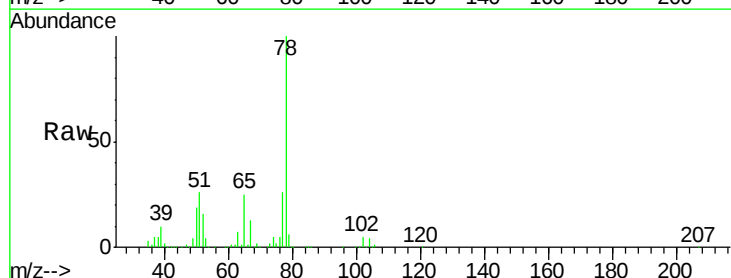
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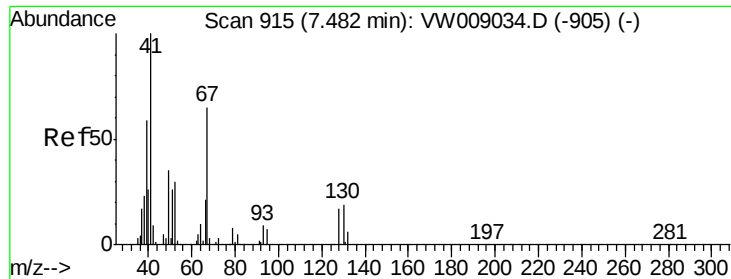
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#40
Benzene
Concen: 19.807 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.7	20.2	30.4





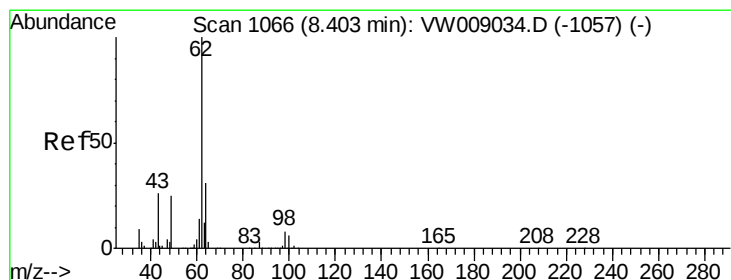
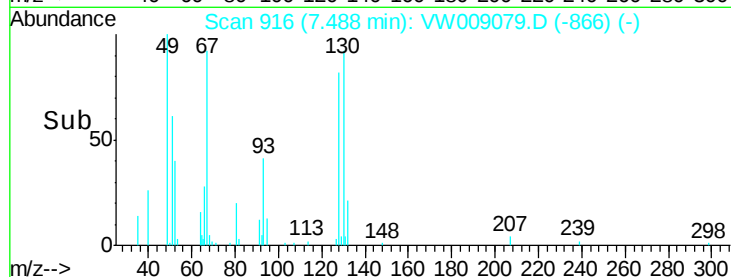
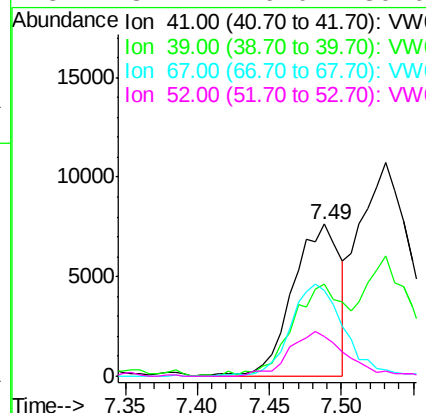
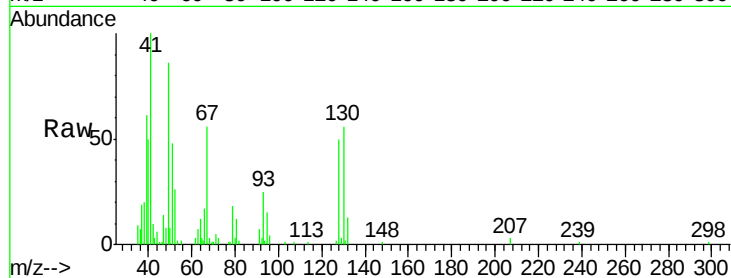
#41
Methacrylonitrile
Concen: 15.871 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion:	41	Resp:	17590
Ion	Ratio	Lower	Upper
41	100		
39	65.5	53.6	80.4
67	68.8	57.6	86.4
52	34.7	26.0	39.0

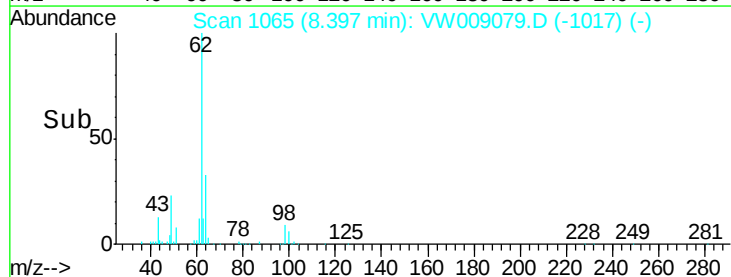
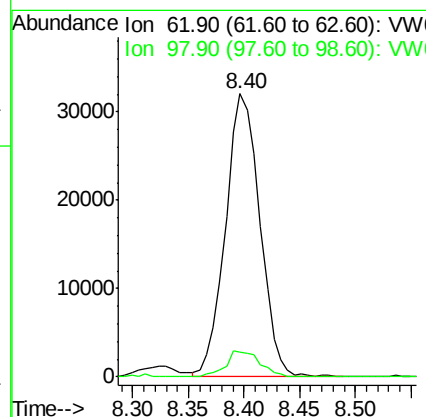
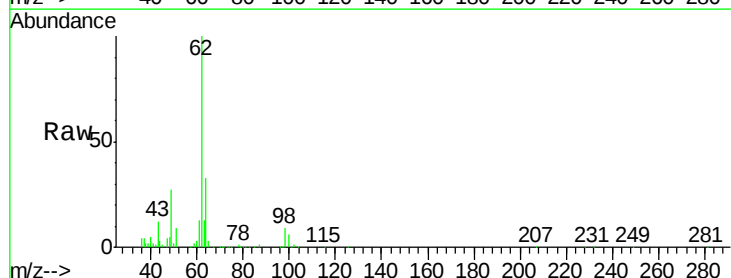
Manual Integrations
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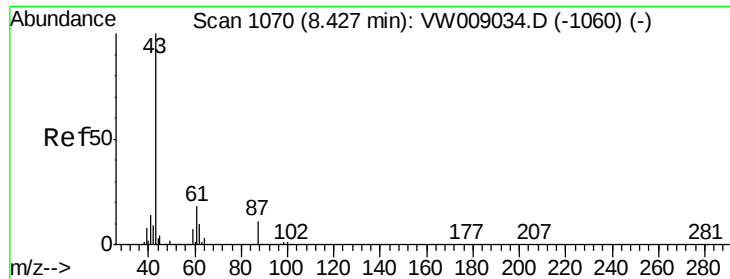
MMDadoda
3/12/2019 1:15:42 PM



#42
1,2-Dichloroethane
Concen: 18.785 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion:	62	Resp:	68791
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43

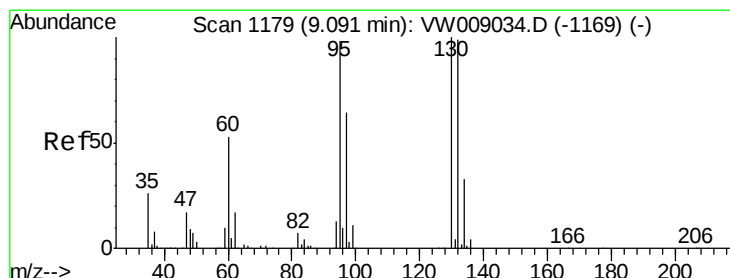
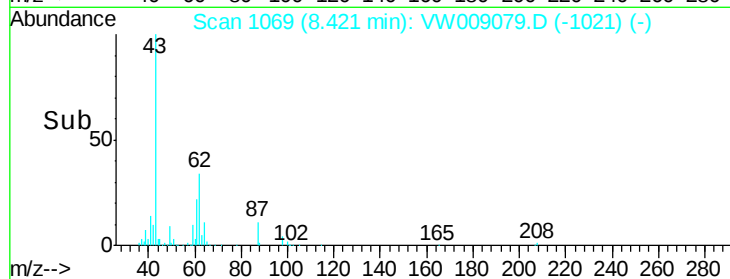
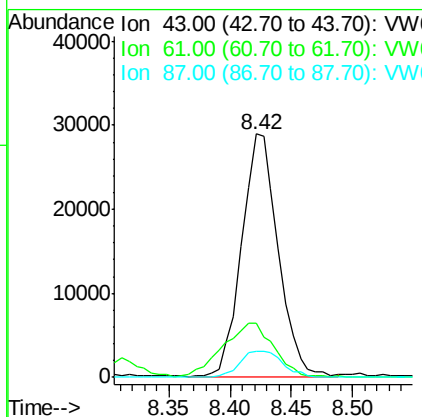
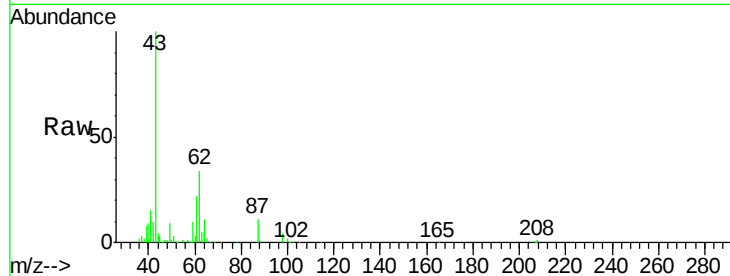
Isopropyl Acetate
 Concen: 16.004 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. -0.01 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	22.8	34.2
87	12.7	9.4	14.2

Manual Integrations
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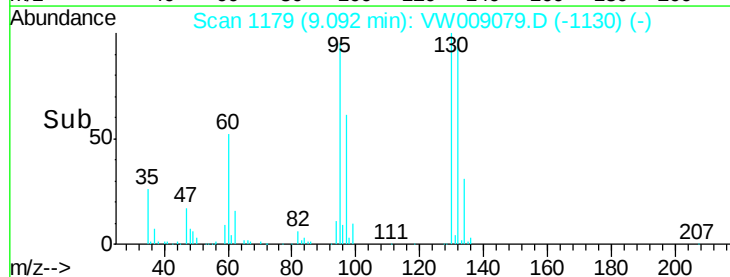
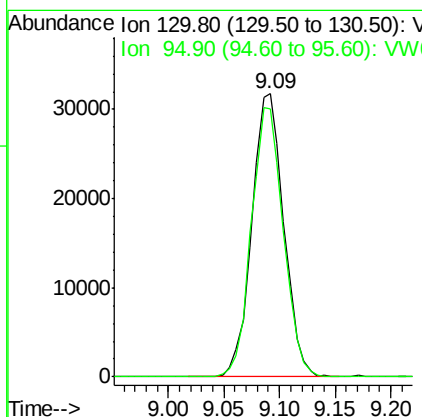
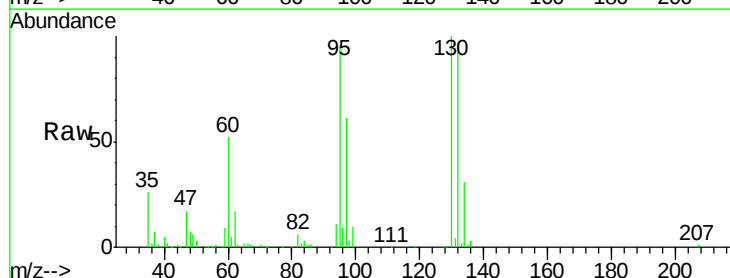
MMDadoda
 3/12/2019 1:15:42 PM

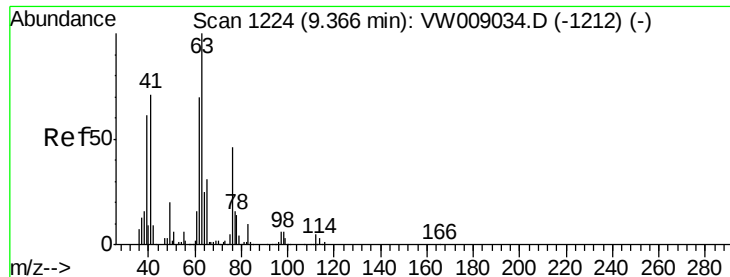


#44

Trichloroethene
 Concen: 19.938 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	197.0





#45

1,2-Dichloropropane

Concen: 19.287 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 63 Resp: 54792

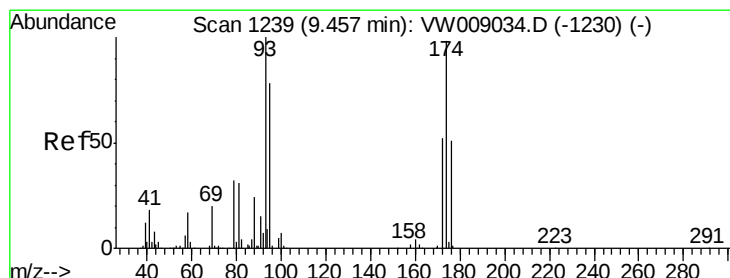
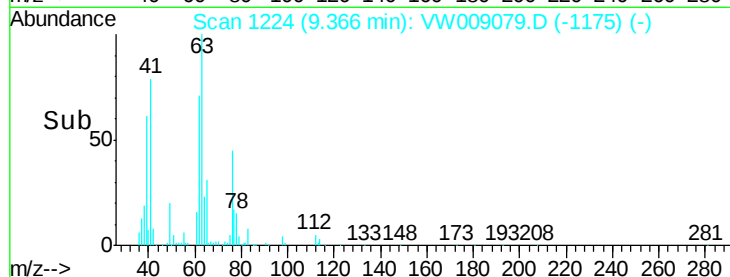
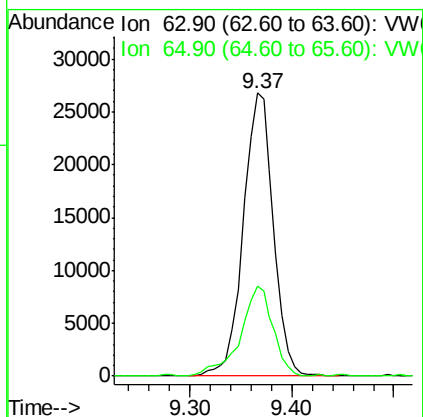
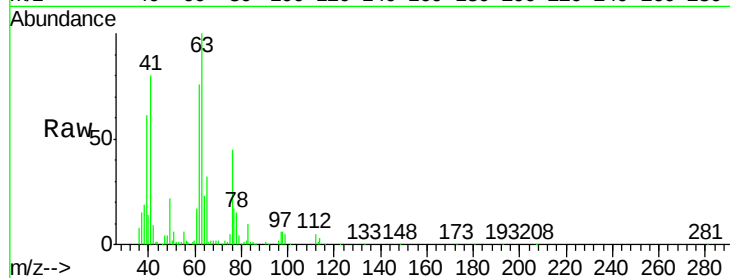
Ion Ratio Lower Upper

63 100

65 31.4 24.9 37.3

Manual Integrations
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3/12/2019 1:15:42 PM



#46

Dibromomethane

Concen: 17.981 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

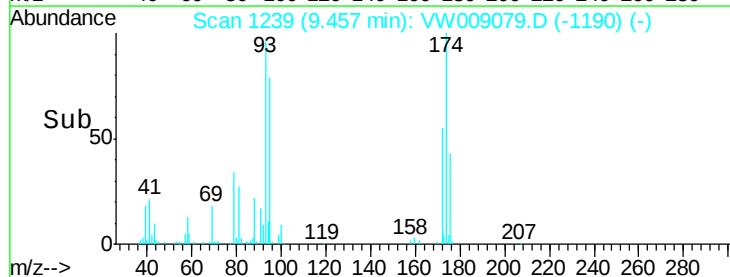
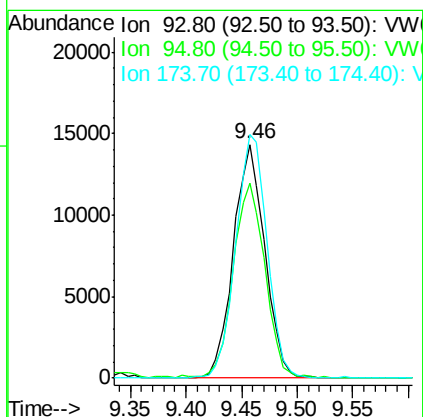
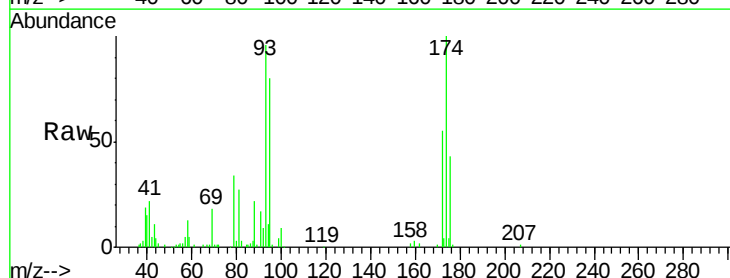
Tgt Ion: 93 Resp: 27898

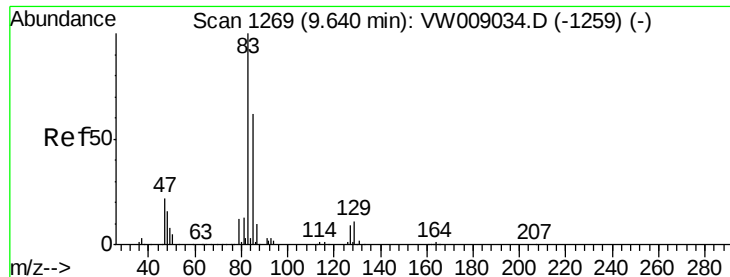
Ion Ratio Lower Upper

93 100

95 84.4 65.0 97.6

174 104.0 81.8 122.6





#47

Bromodichloromethane

Concen: 19.288 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

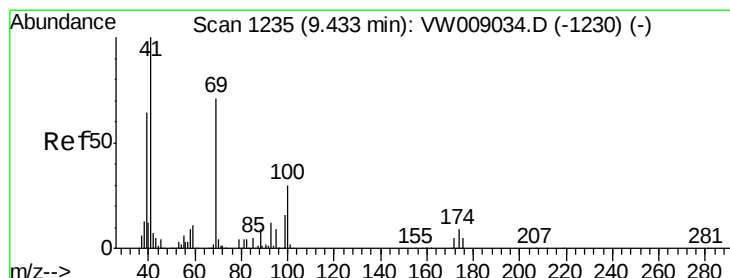
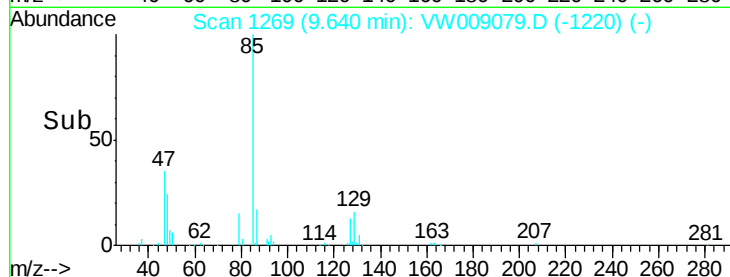
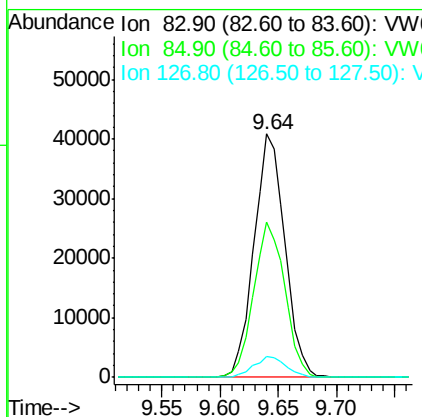
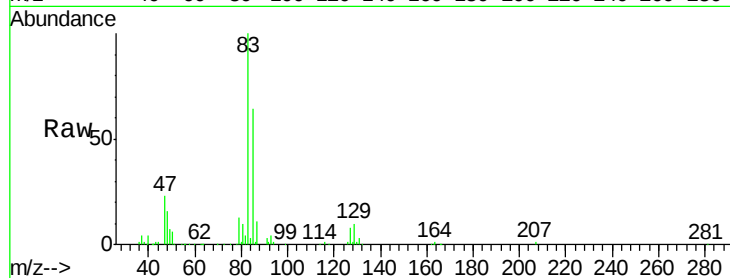
ClientSampleId :

VW0311SBS01

Tot Ion:	83	Resp:	75755
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.9	74.9
127	8.4	7.1	10.7

Manual Integrations
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3/12/2019 1:15:42 PM



#48

Methyl methacrylate

Concen: 15.233 ug/l

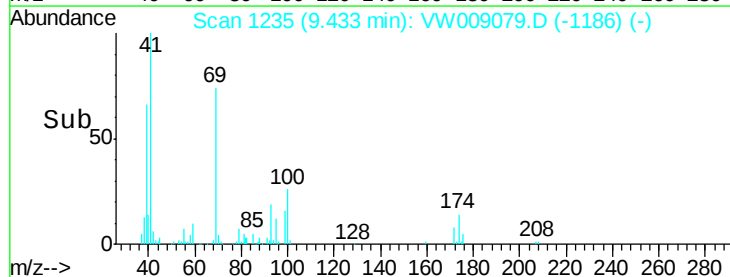
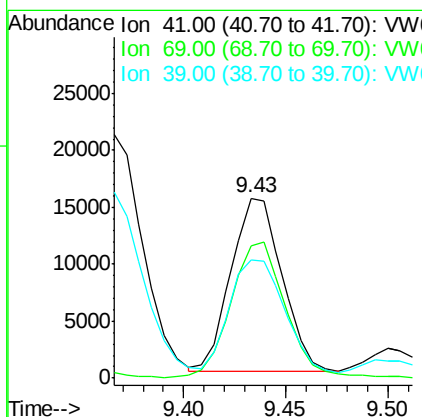
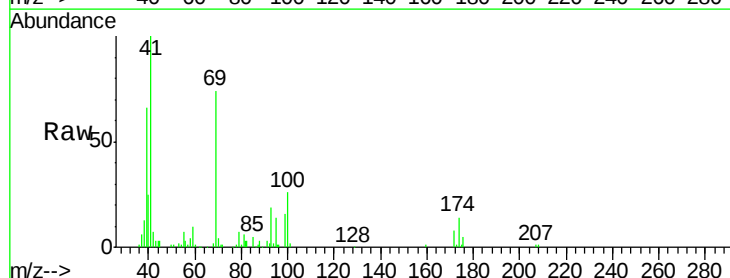
RT: 9.43 min Scan# 1235

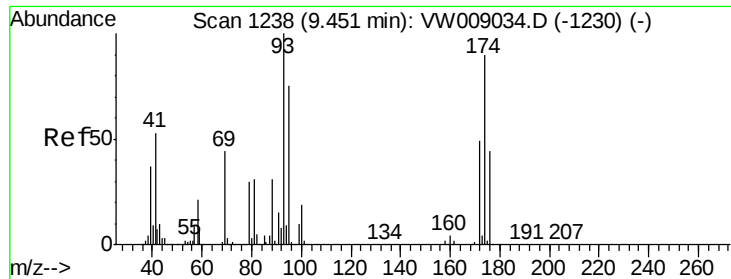
Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Tgt Ion:	41	Resp:	26366
Ion Ratio	Lower	Upper	
41	100		
69	85.2	59.1	88.7
39	70.0	48.9	73.3





#49

1,4-Dioxane

Concen: 346.708 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.01 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

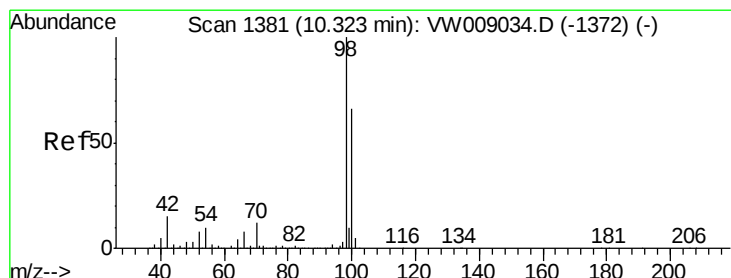
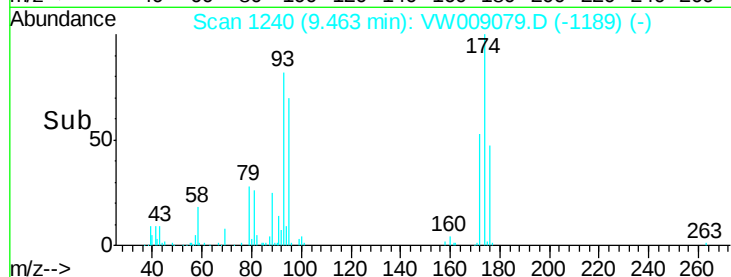
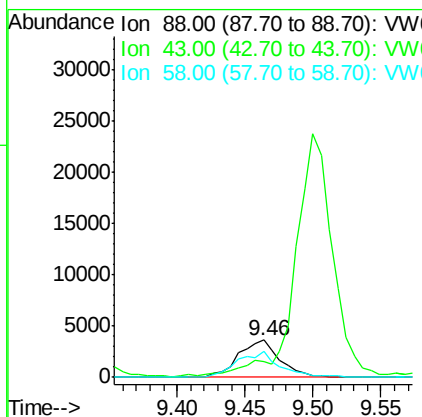
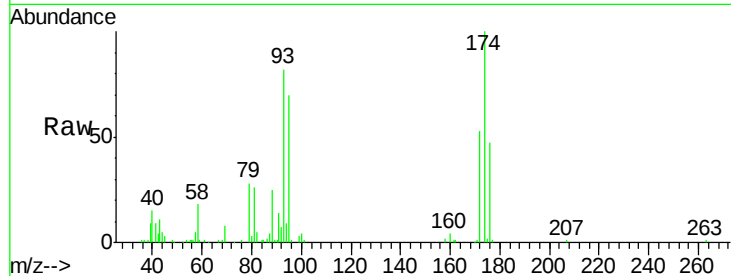
ClientSampleId :

VW0311SBS01

Tot Ion	88	Resp	7703
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	73.3	59.2	88.8

Manual Integrations
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3/12/2019 1:15:42 PM



#50

Toluene-d8

Concen: 51.219 ug/l

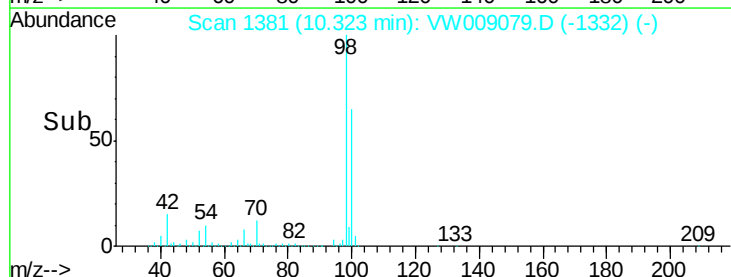
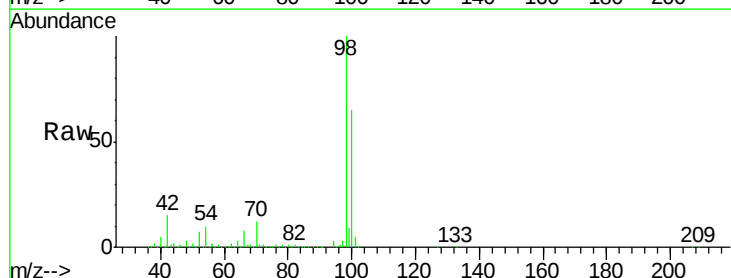
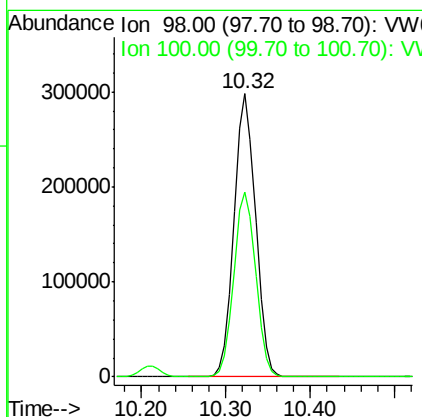
RT: 10.32 min Scan# 1381

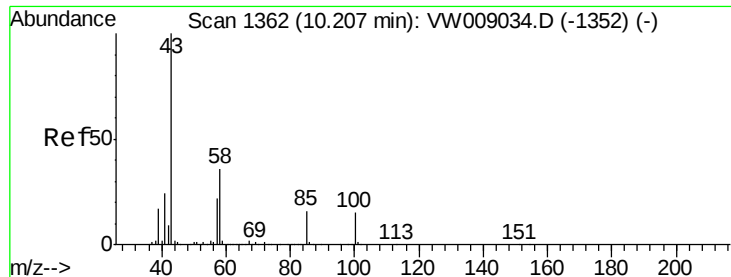
Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Tgt Ion	98	Resp	514706
Ion	Ratio	Lower	Upper
98	100		
100	65.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 77.528 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 43 Resp: 146306

Ion Ratio Lower Upper

43 100

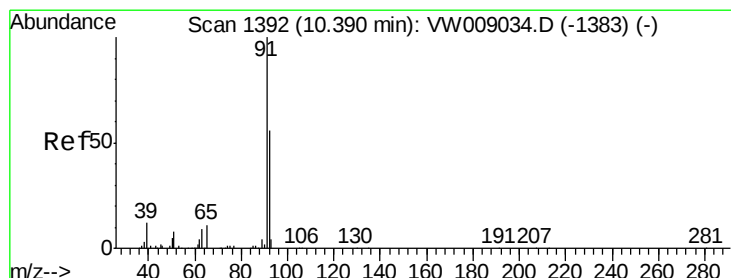
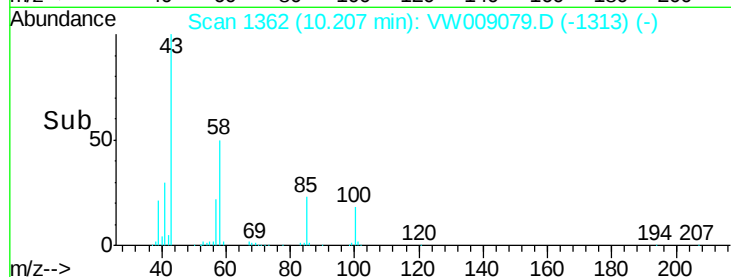
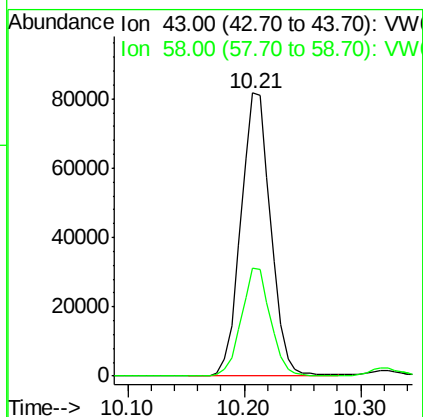
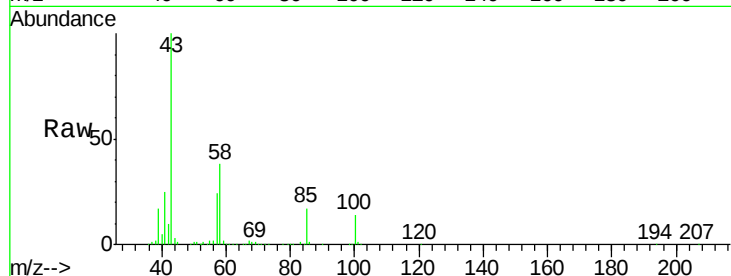
58 37.1 28.8 43.2

Manual Integrations

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3/12/2019 1:15:42 PM



#52

Toluene

Concen: 19.485 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009079.D

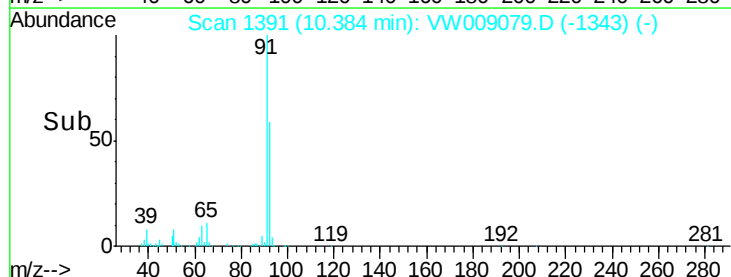
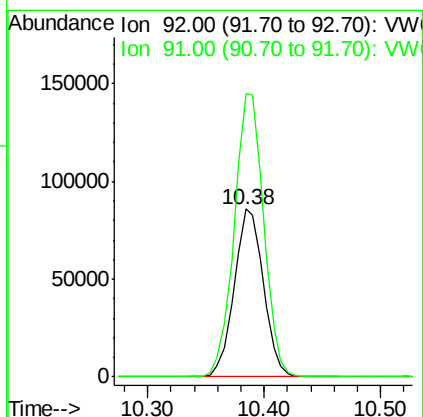
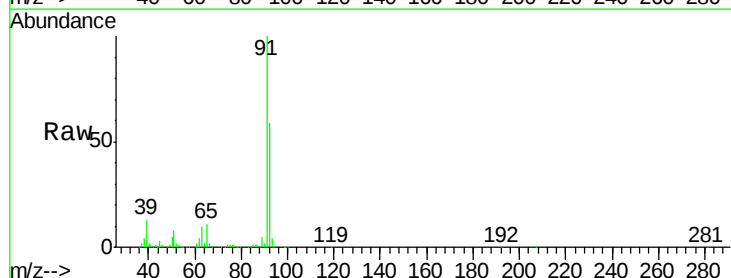
Acq: 11 Mar 2019 11:56

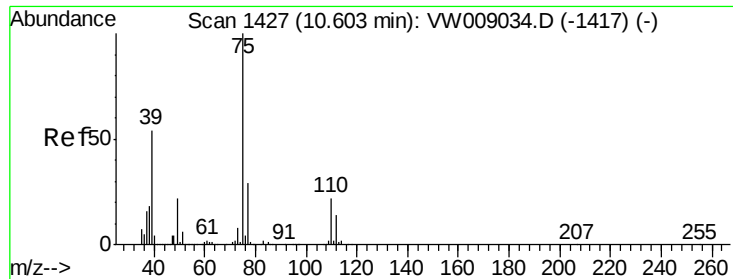
Tgt Ion: 92 Resp: 149893

Ion Ratio Lower Upper

92 100

91 170.8 139.9 209.9





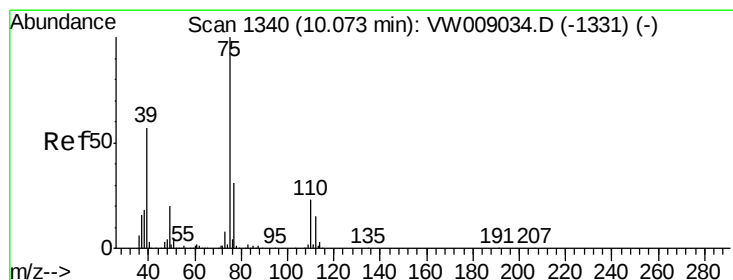
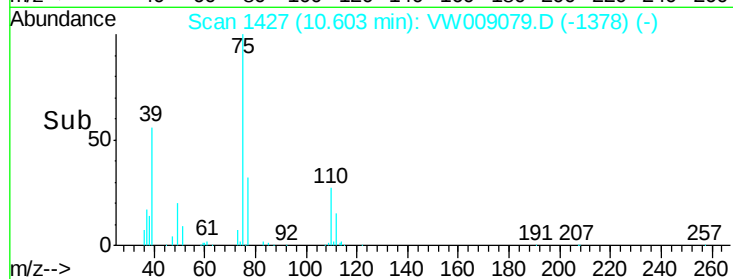
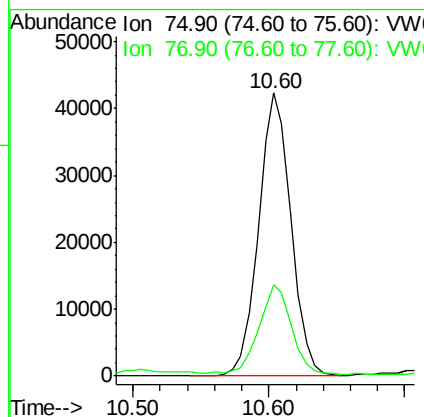
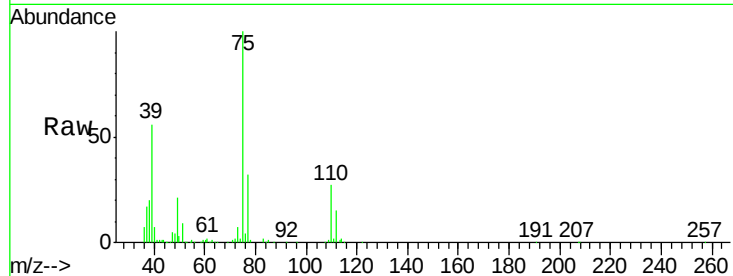
#53
t-1,3-Dichloropropene
Concen: 18.156 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	23.6	35.4

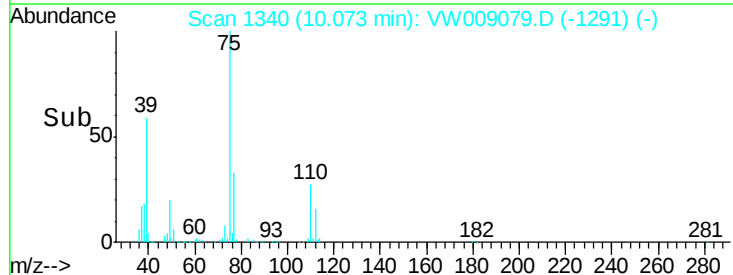
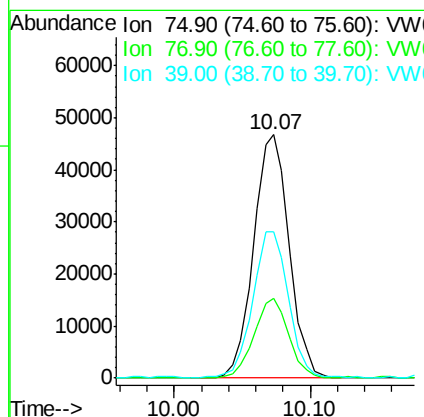
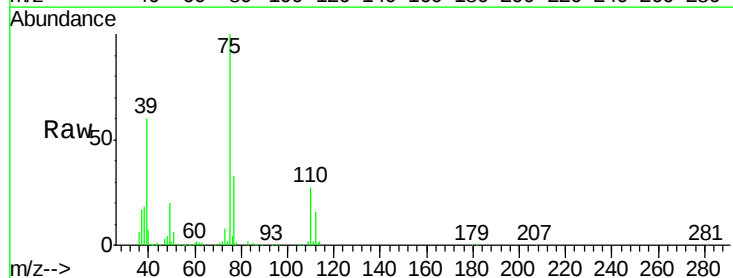
Manual Integrations
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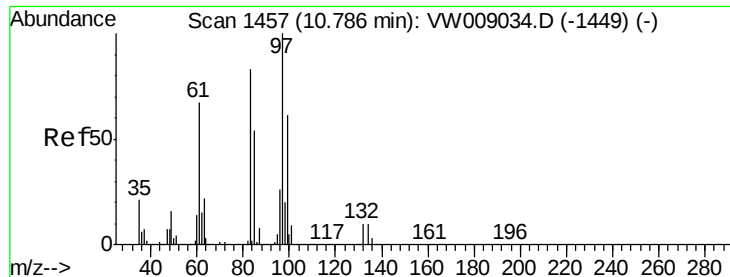
MMDadoda
3/12/2019 1:15:42 PM



#54
cis-1,3-Dichloropropene
Concen: 19.168 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.6	36.8
39	59.4	45.9	68.9





#55

1,1,2-Trichloroethane

Concen: 18.673 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

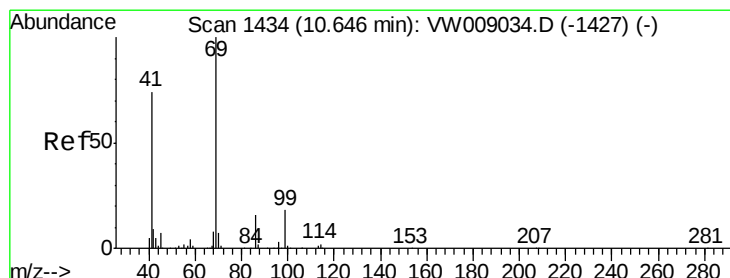
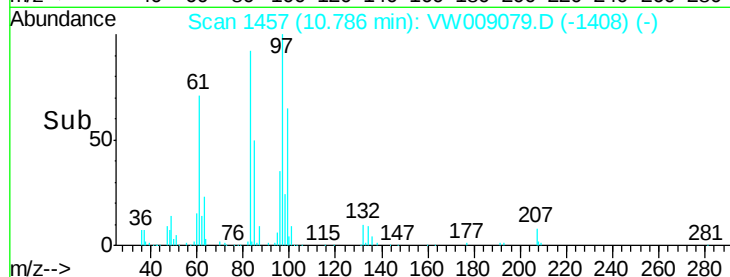
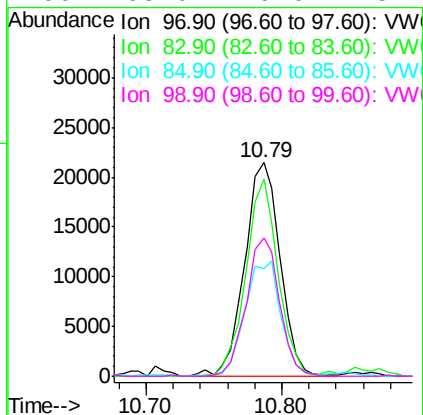
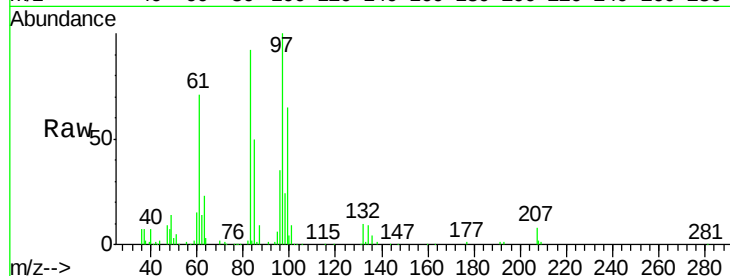
ClientSampleId :

VW0311SBS01

Tot Ion:	97	Resp:	39267
Ion	Ratio	Lower	Upper
97	100		
83	92.1	66.2	99.2
85	50.1	43.6	65.4
99	65.0	49.0	73.4

Manual Integrations
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3/12/2019 1:15:42 PM



#56

Ethyl methacrylate

Concen: 15.247 ug/l

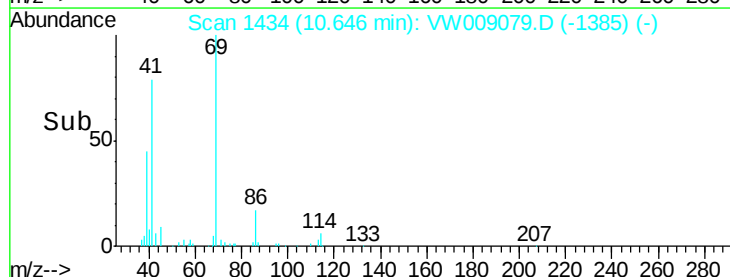
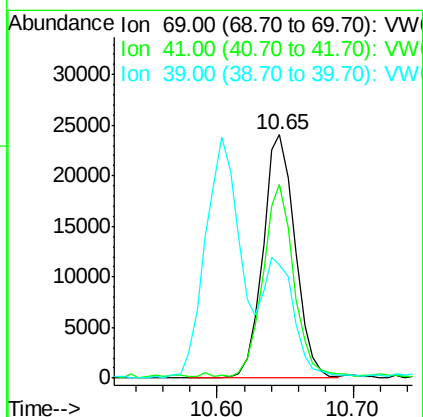
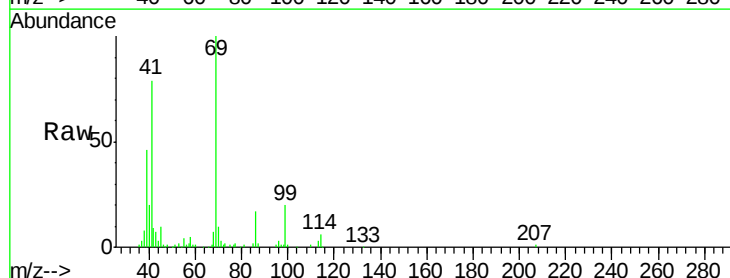
RT: 10.65 min Scan# 1434

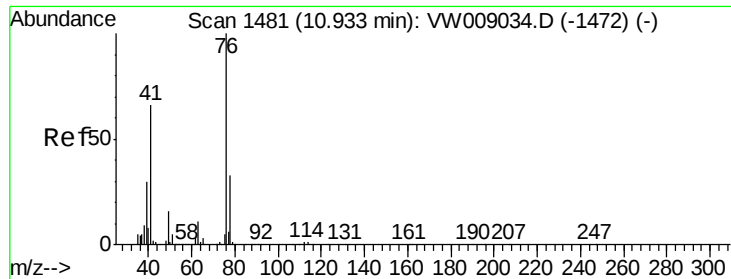
Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Tgt Ion:	69	Resp:	39794
Ion	Ratio	Lower	Upper
69	100		
41	75.8	59.4	89.2
39	46.6	38.5	57.7





#57

1,3-Dichloropropane

Concen: 17.738 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion: 76 Resp: 66078

Ion Ratio Lower Upper

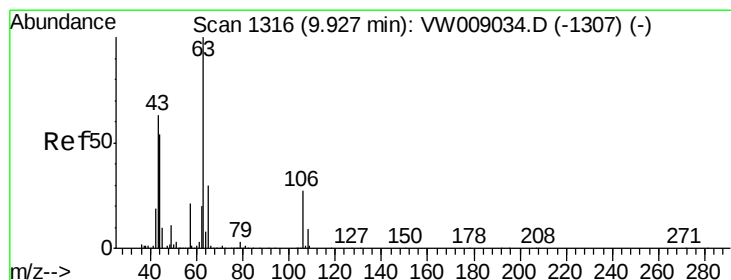
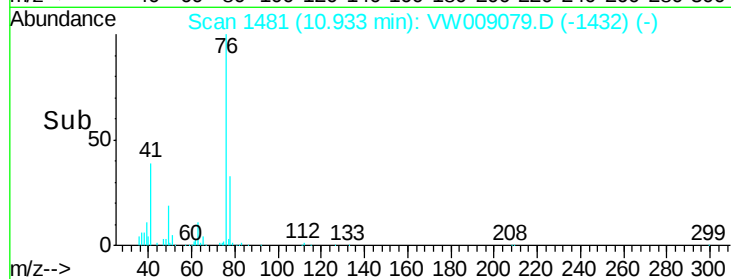
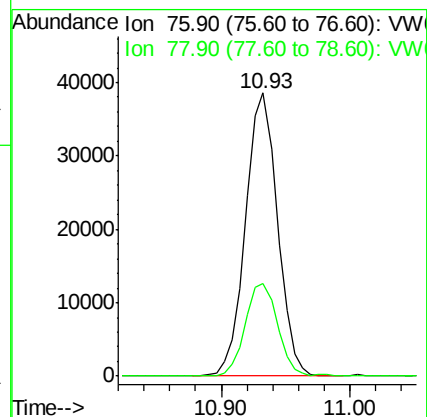
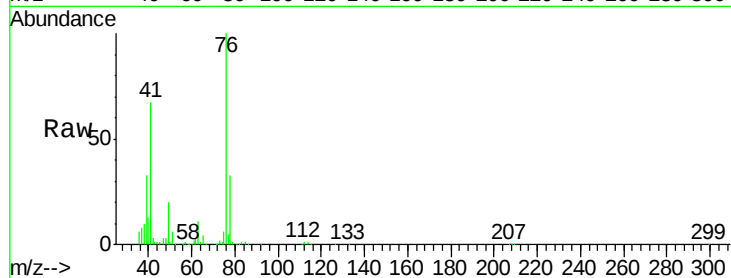
76 100

78 33.2 25.7 38.5

Manual Integrations
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3/12/2019 1:15:42 PM



#58

2-Chloroethyl Vinyl ether

Concen: 86.848 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW009079.D

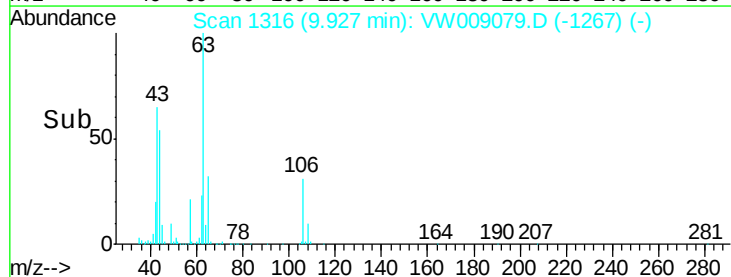
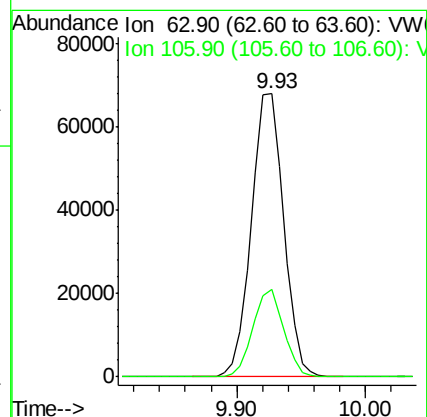
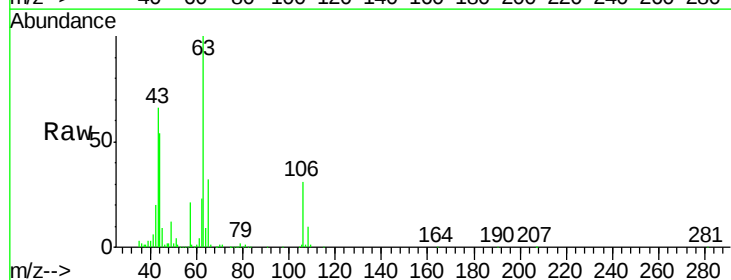
Acq: 11 Mar 2019 11:56

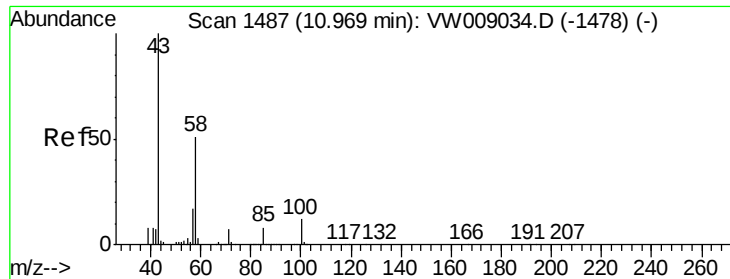
Tgt Ion: 63 Resp: 117504

Ion Ratio Lower Upper

63 100

106 29.7 23.0 34.6





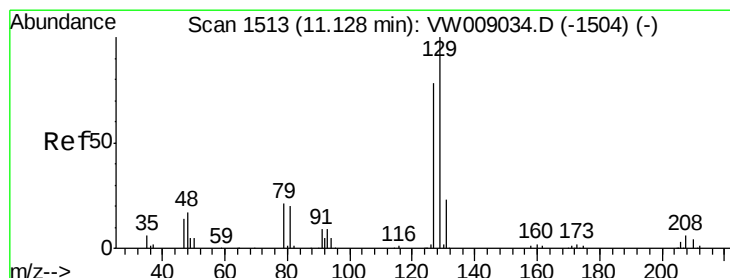
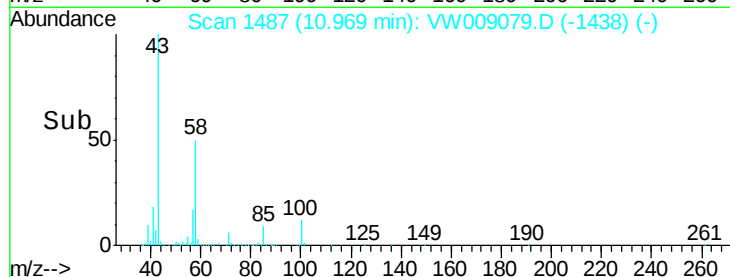
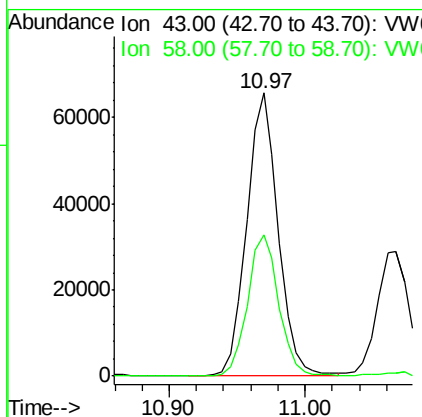
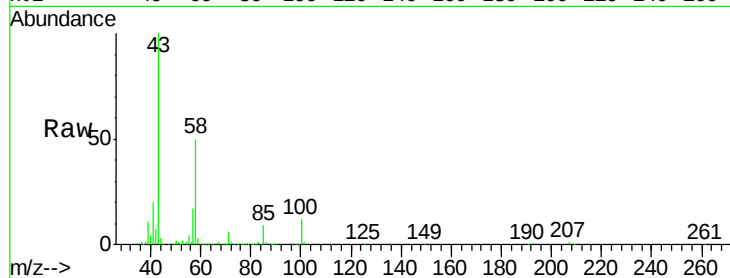
#59
2-Hexanone
Concen: 79.538 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	43	Resp	105532
Ion Ratio	43	100	
Lower	58	50.2	25.3
Upper			75.9

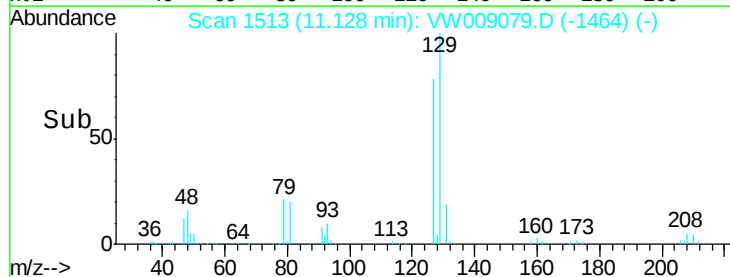
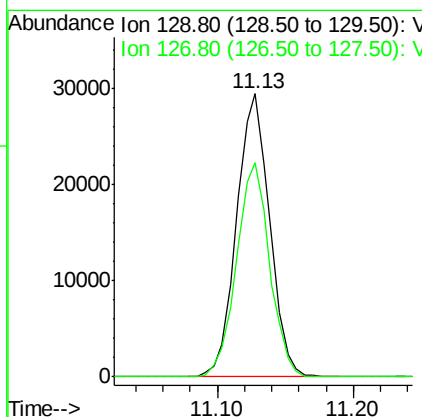
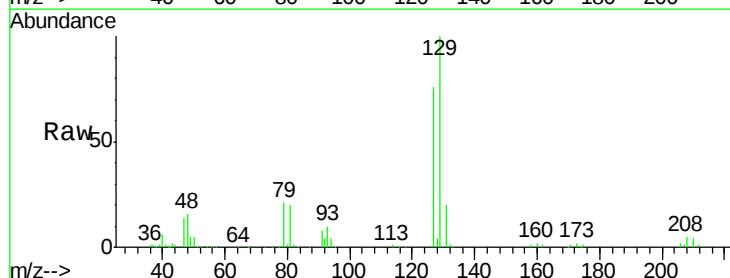
Manual Integrations
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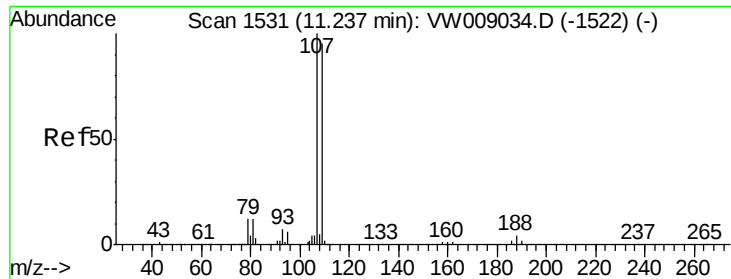
MMDadoda
3/12/2019 1:15:42 PM



#60
Dibromochloromethane
Concen: 19.183 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	129	Resp	49923
Ion Ratio	129	100	
Lower	127	75.5	38.4
Upper			115.1





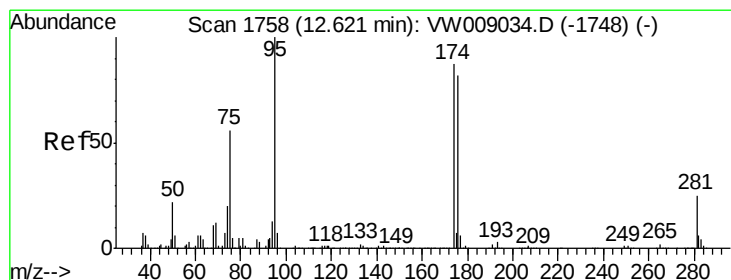
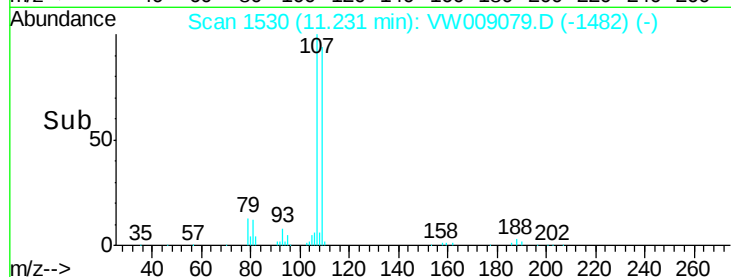
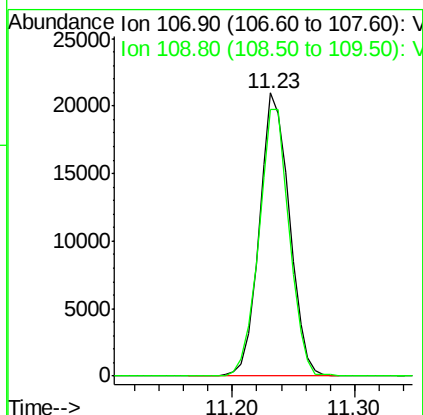
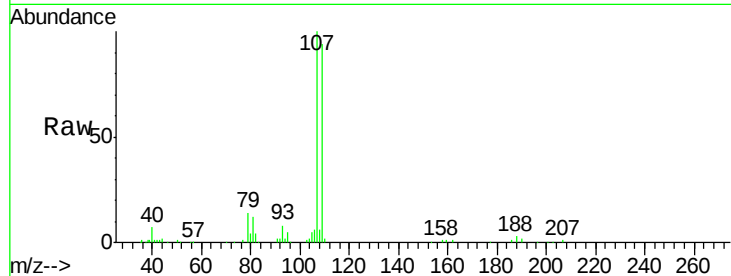
#61
 1,2-Dibromoethane
 Concen: 17.464 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	74.7	112.1

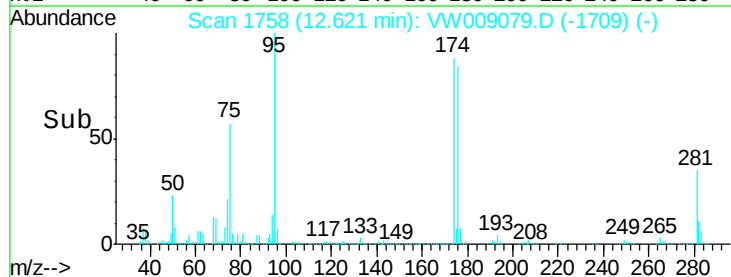
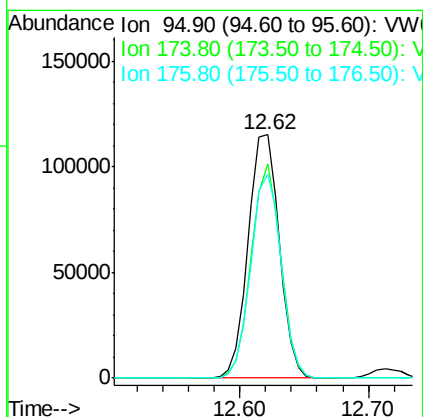
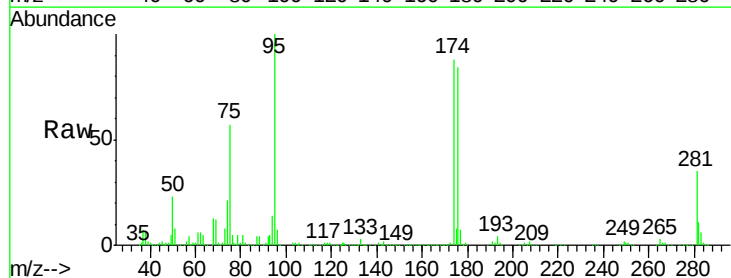
Manual Integrations
 APPROVED

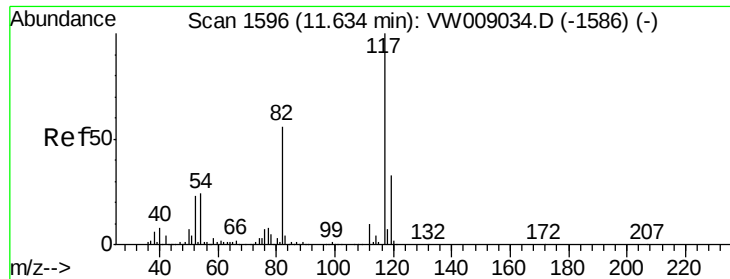
MMDadoda
 3/12/2019 1:15:42 PM



#62
 4-Bromofluorobenzene
 Concen: 48.391 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	167.0
176	81.8	0.0	159.4





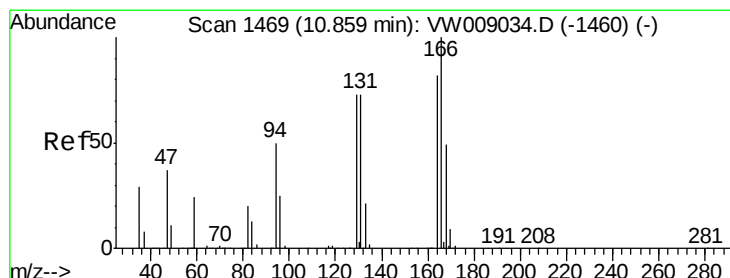
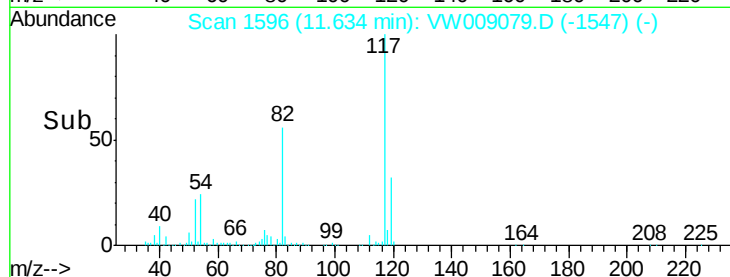
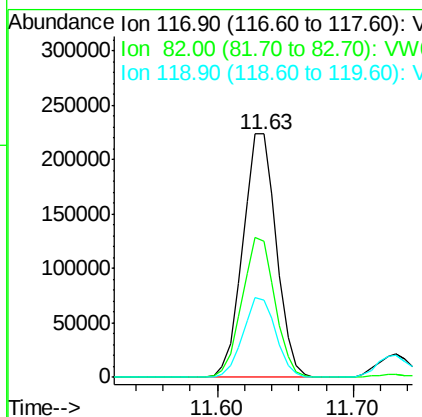
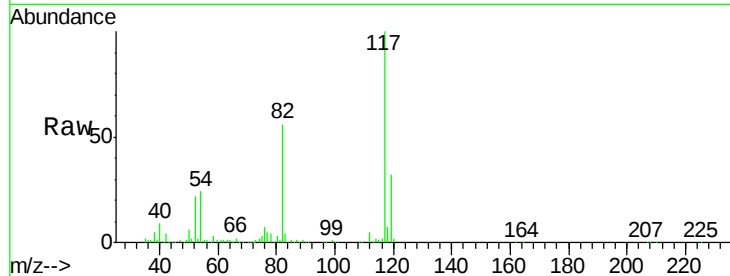
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.0	67.6
119	31.8	26.6	39.8

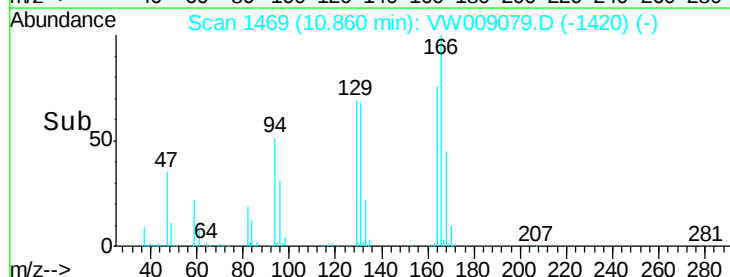
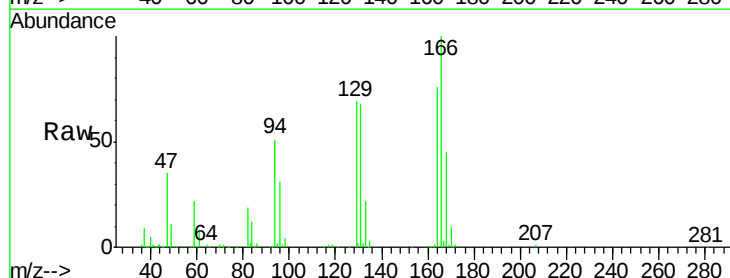
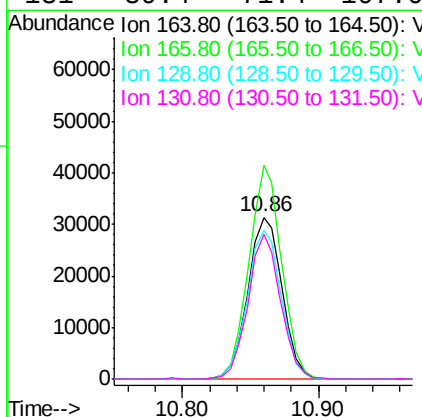
Manual Integrations
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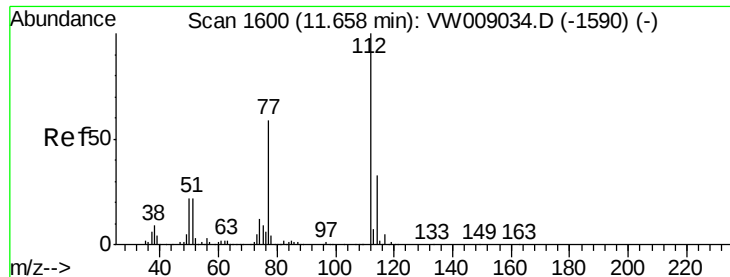
MMDadoda
3/12/2019 1:15:42 PM



#64
Tetrachloroethene
Concen: 19.896 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.9	97.8	146.6
129	91.4	71.6	107.4
131	89.4	71.4	107.0





#65

Chlorobenzene

Concen: 19.213 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion:112 Resp: 161133

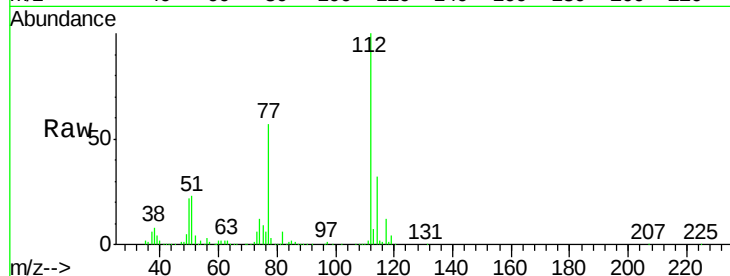
Ion Ratio Lower Upper

112 100

114 32.5 26.6 40.0

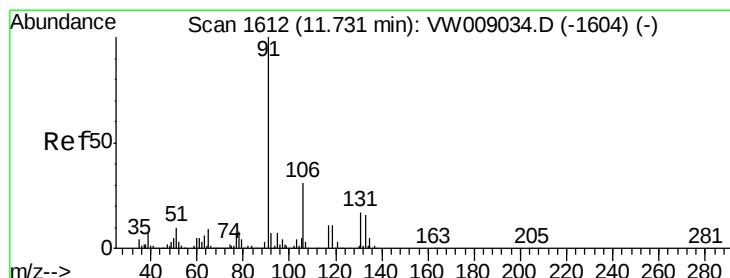
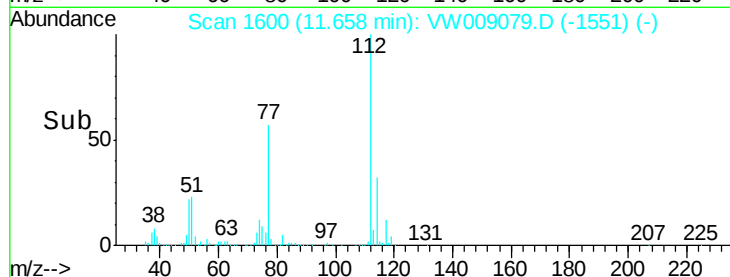
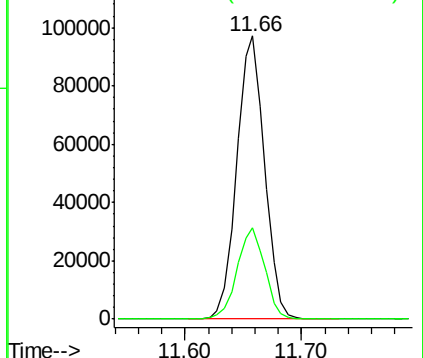
Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.452 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

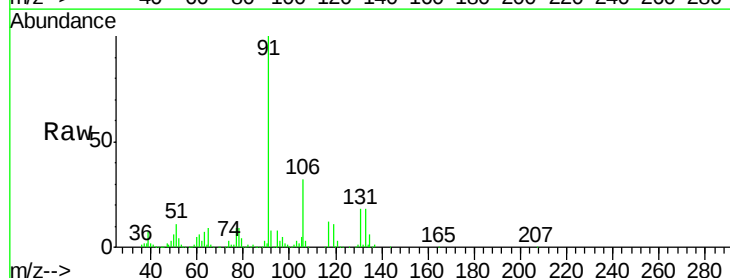
Tgt Ion:131 Resp: 54470

Ion Ratio Lower Upper

131 100

133 97.4 47.6 142.8

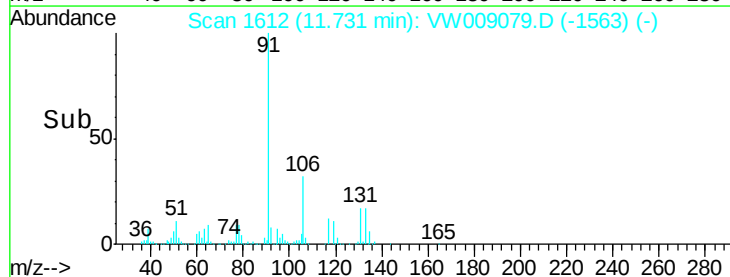
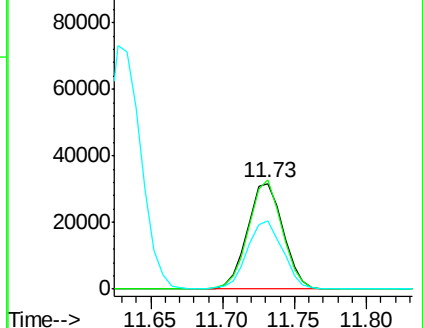
119 63.9 31.3 93.8

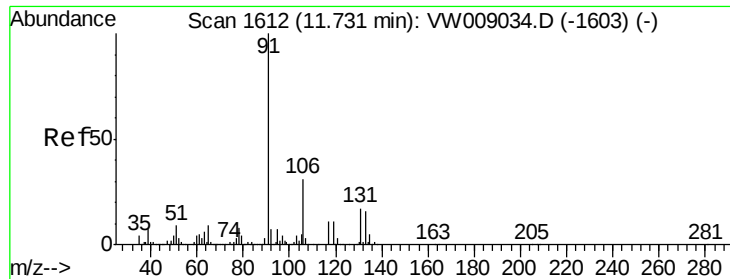


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





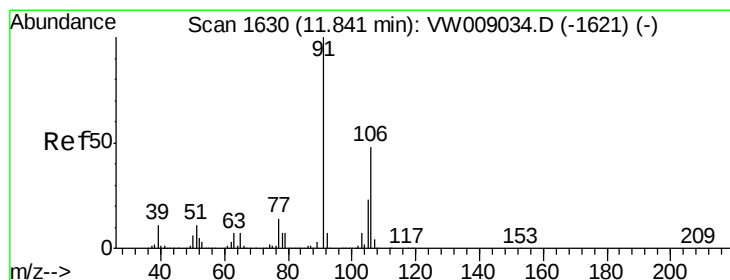
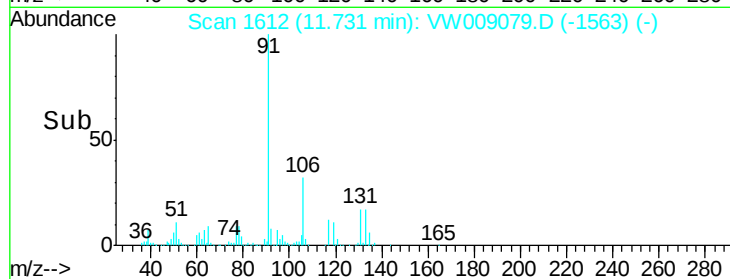
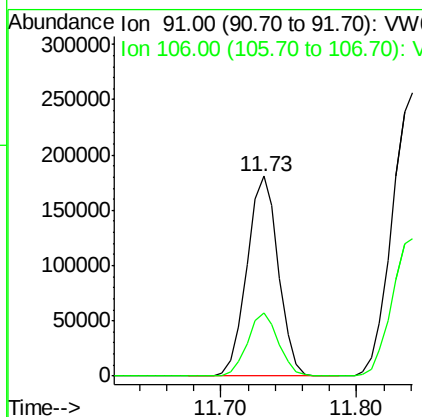
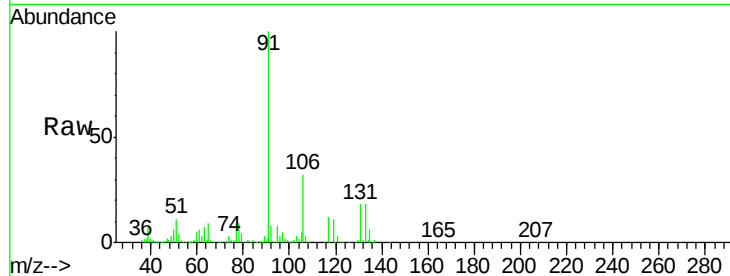
#67
Ethyl Benzene
Concen: 19.281 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion: 91 Resp: 292113
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

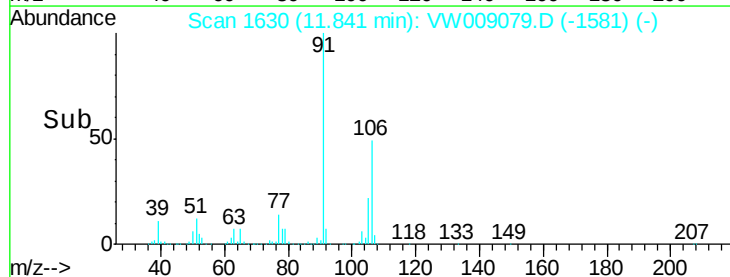
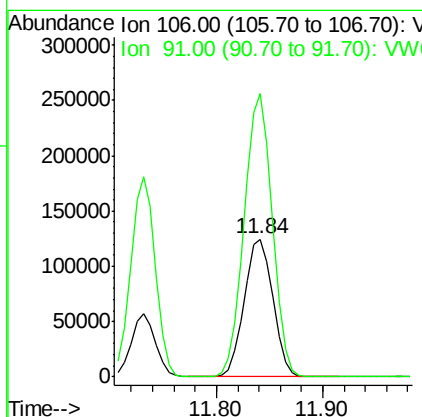
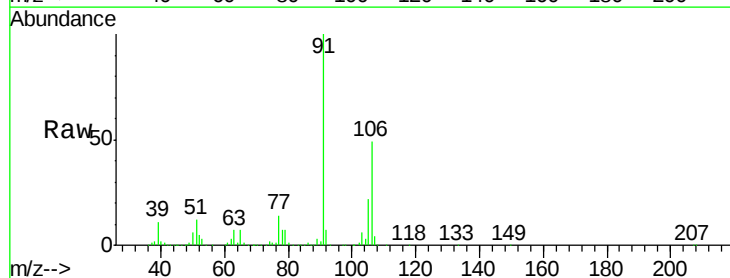
Manual Integrations
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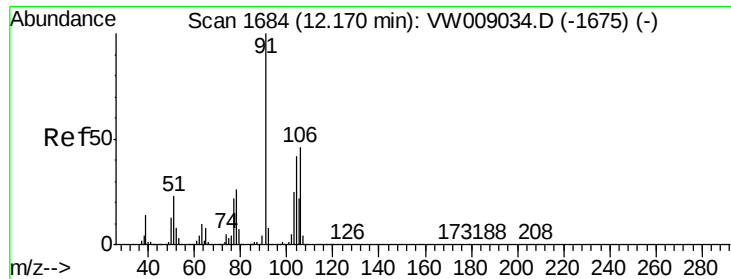
MMDadoda
3/12/2019 1:15:42 PM



#68
m/p-Xylenes
Concen: 39.593 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion: 106 Resp: 236771
Ion Ratio Lower Upper
106 100
91 200.9 163.2 244.8





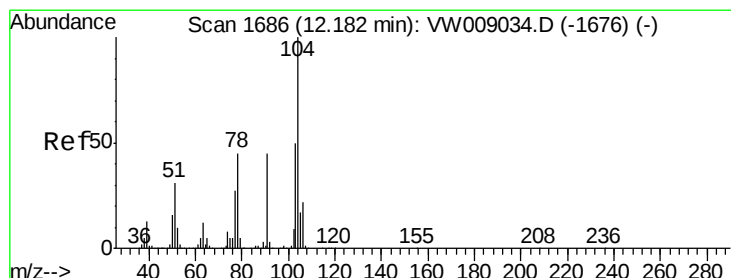
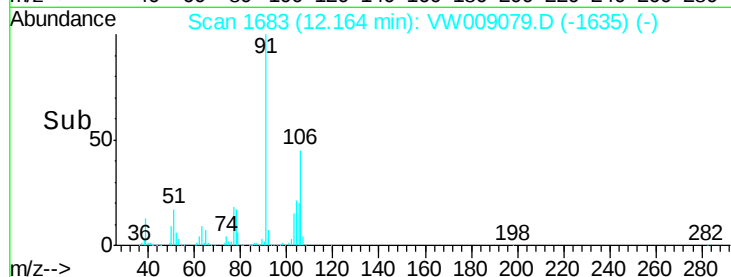
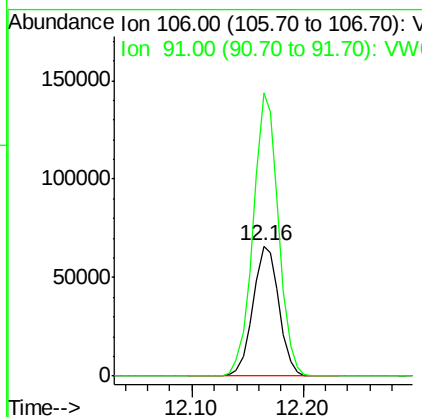
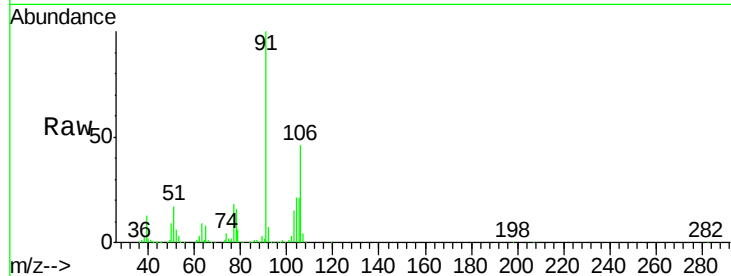
#69
o-Xylene
Concen: 19.291 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	107341		
91	91	211.5	108.6	325.6	

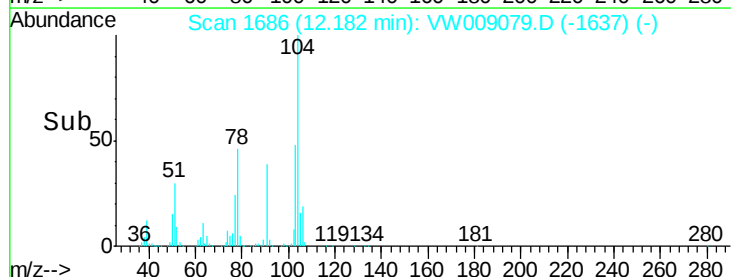
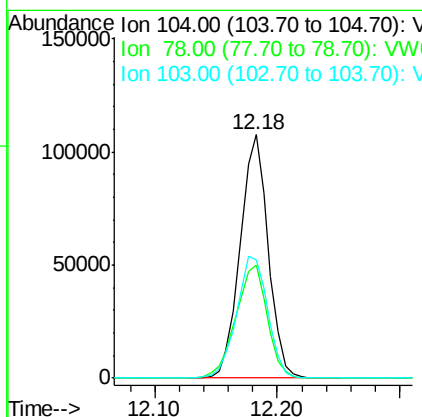
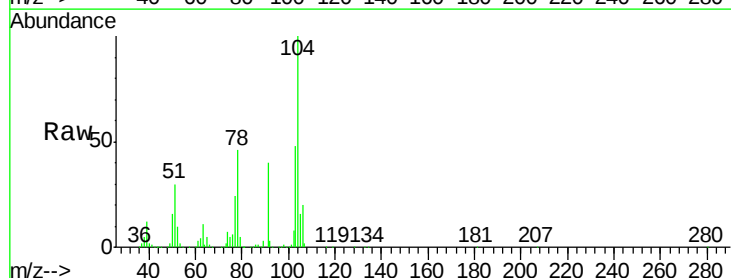
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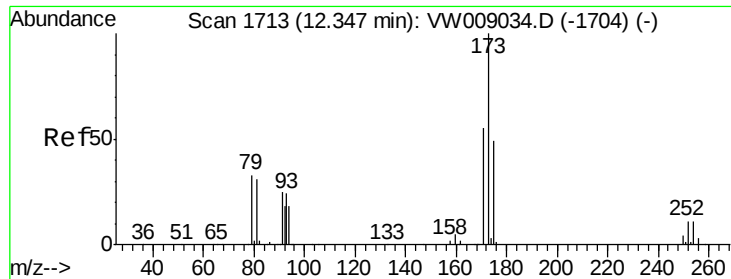
MMDadoda
3/12/2019 1:15:42 PM



#70
Styrene
Concen: 18.932 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	170436		
78	78	52.1	42.1	63.1	
103	103	55.8	43.9	65.9	





#71

Bromoform

Concen: 18.122 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion:173 Resp: 27248

Ion Ratio Lower Upper

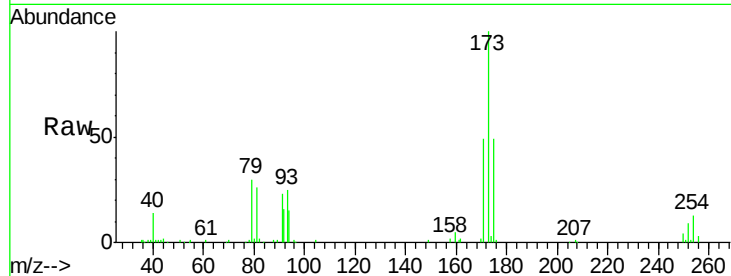
173 100

175 48.8 24.6 74.0

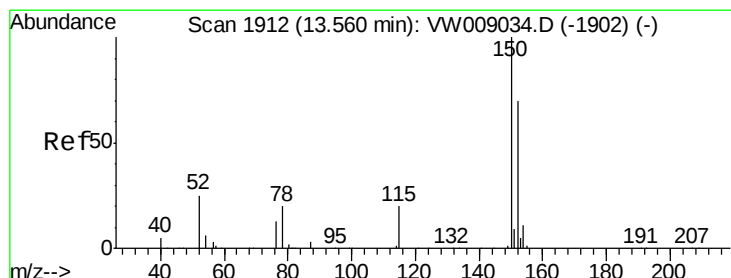
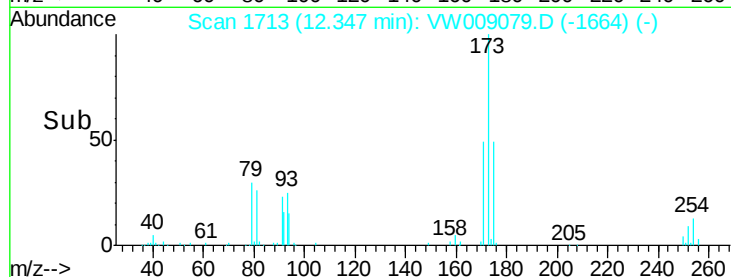
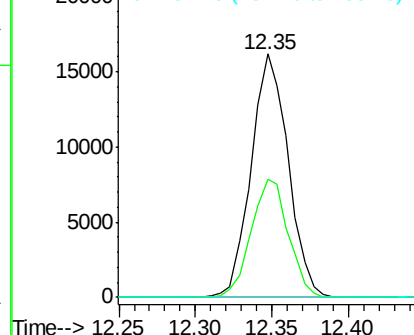
254 0.1 0.0 0.0#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

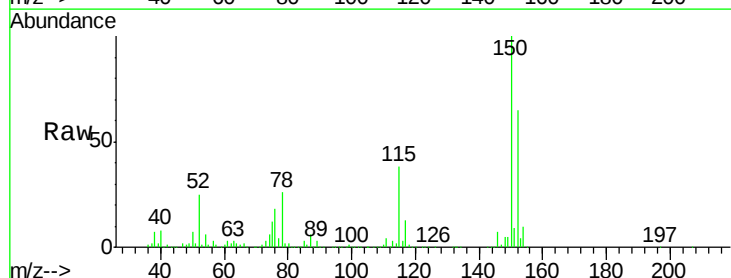
Tgt Ion:152 Resp: 216223

Ion Ratio Lower Upper

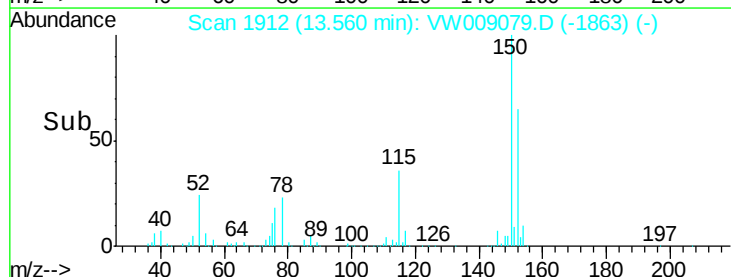
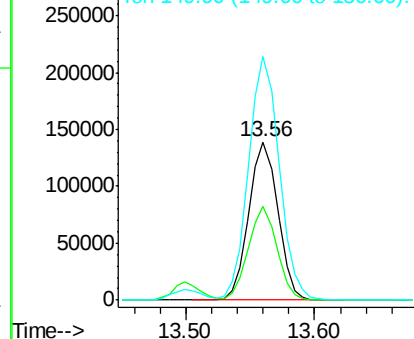
152 100

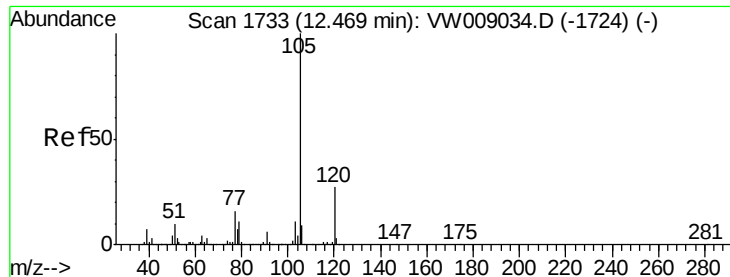
115 58.0 28.9 86.7

150 162.4 0.0 349.2



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





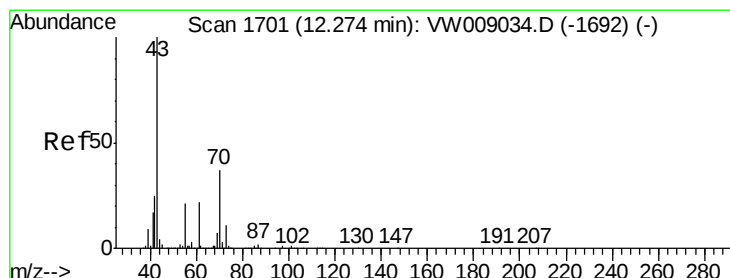
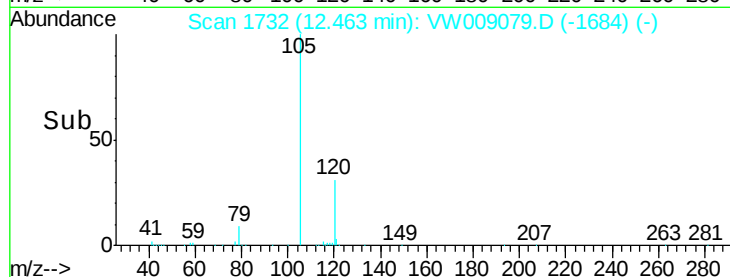
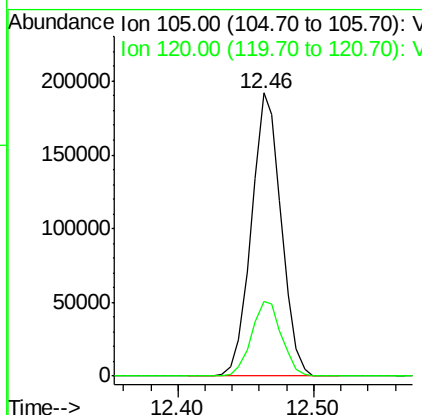
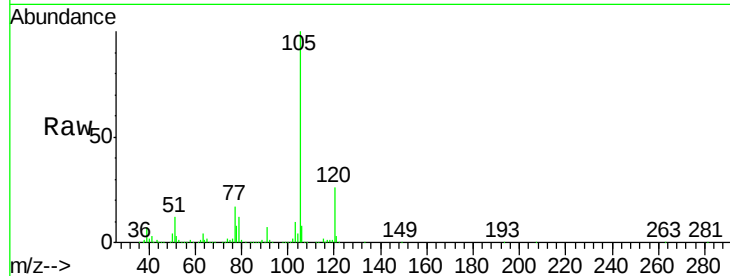
#73
Isopropylbenzene
Concen: 19.025 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.2	39.6

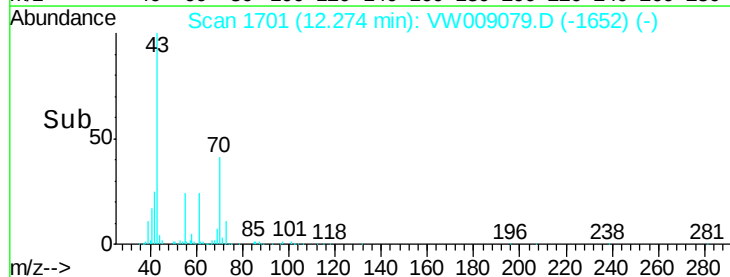
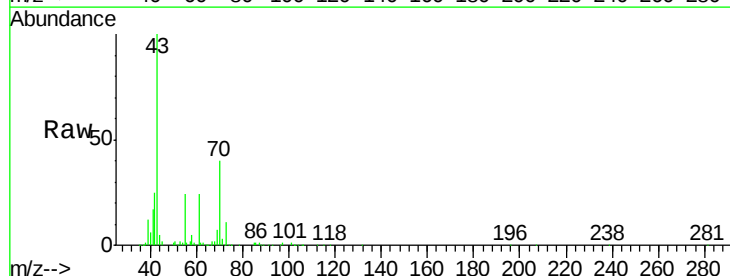
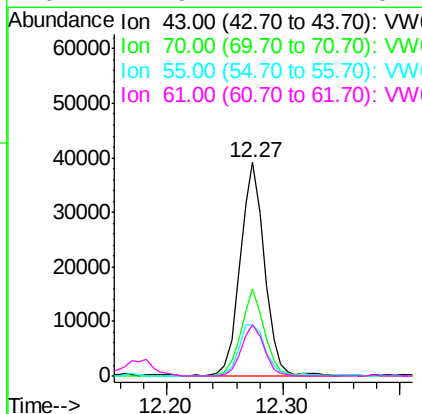
Manual Integrations
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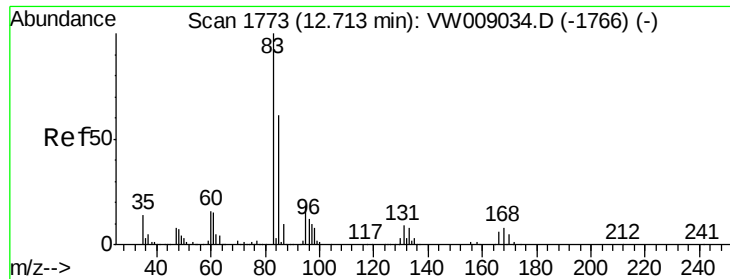
MMDadoda
3/12/2019 1:15:42 PM



#74
N-ethyl acetate
Concen: 15.417 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.3	30.8	46.2
55	26.4	17.8	26.8
61	22.9	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.165 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

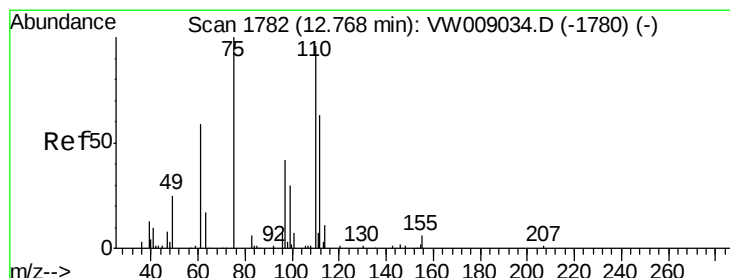
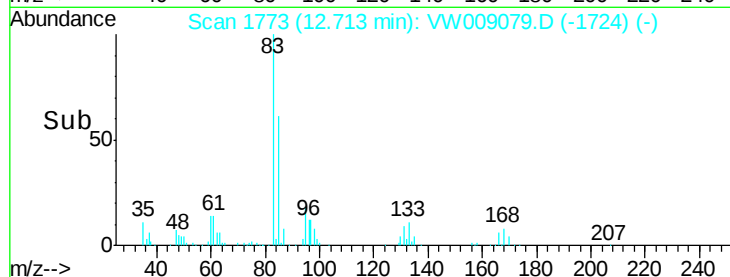
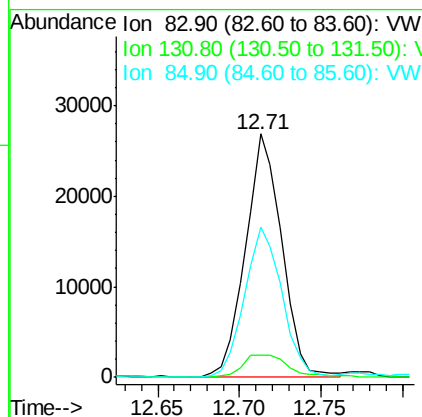
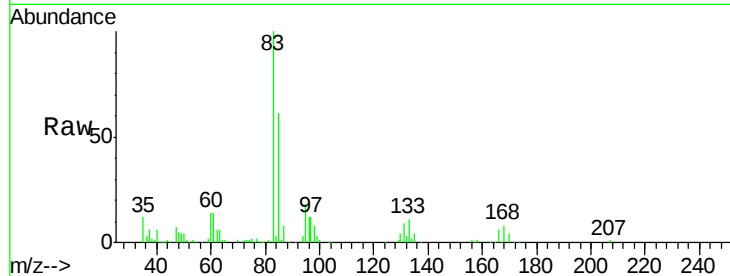
ClientSampleId :

VW0311SBS01

Tot Ion:	83	Resp:	41925
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.7
85	63.3	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.988 ug/l m

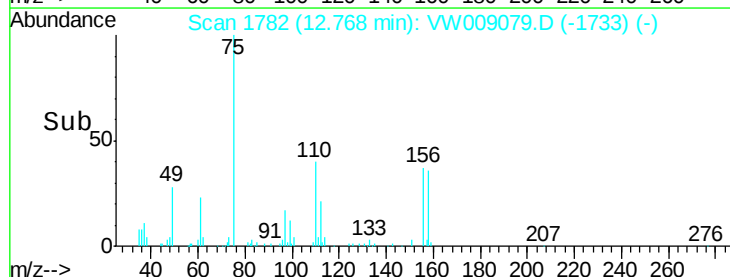
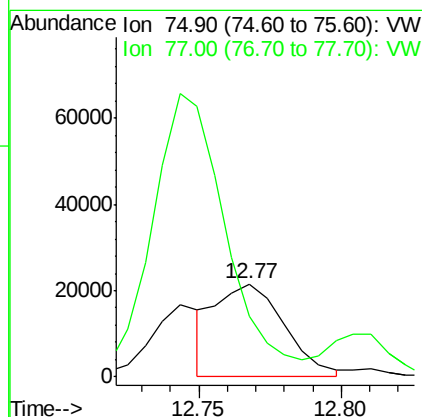
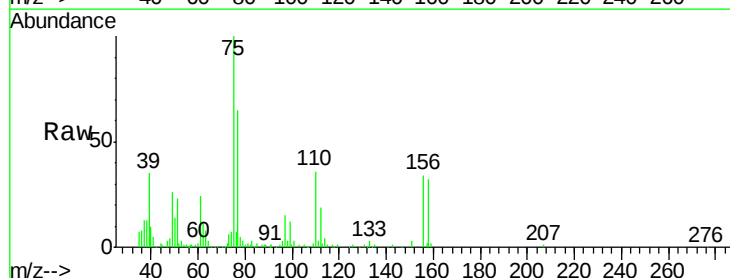
RT: 12.77 min Scan# 1782

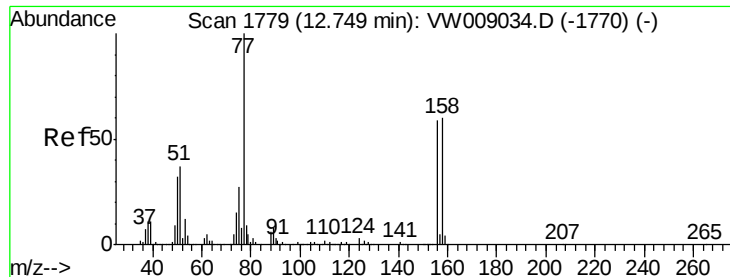
Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Tgt Ion:	75	Resp:	35854
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 19.069 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion:156 Resp: 67466

Ion Ratio Lower Upper

156 100

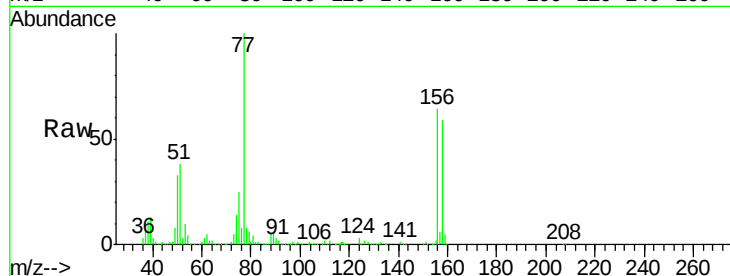
77 176.4 93.0 279.2

158 95.0 50.0 149.8

Manual Integrations
APPROVED

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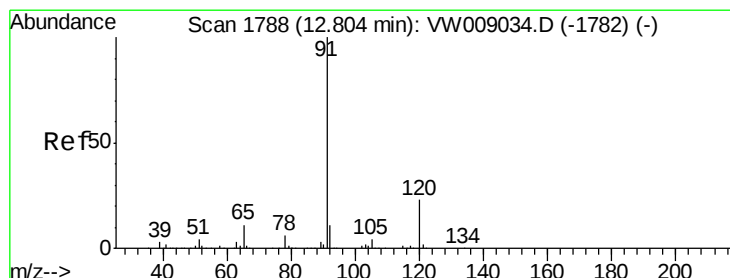
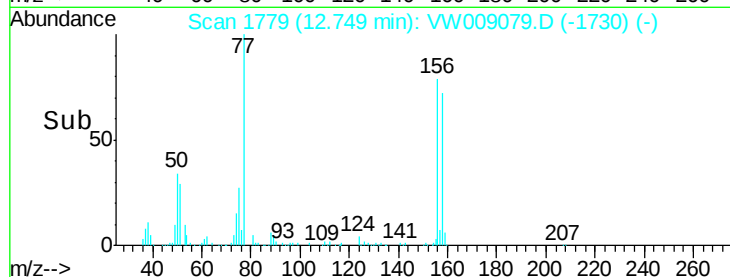
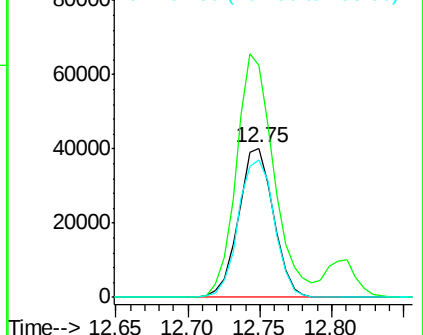
3/12/2019 1:15:42 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.475 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009079.D

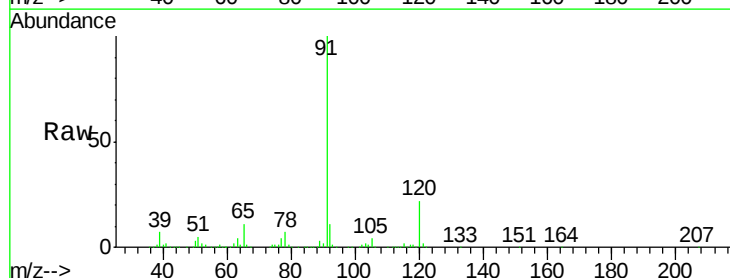
Acq: 11 Mar 2019 11:56

Tgt Ion: 91 Resp: 371431

Ion Ratio Lower Upper

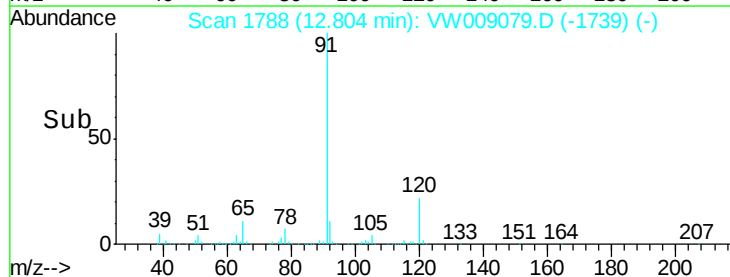
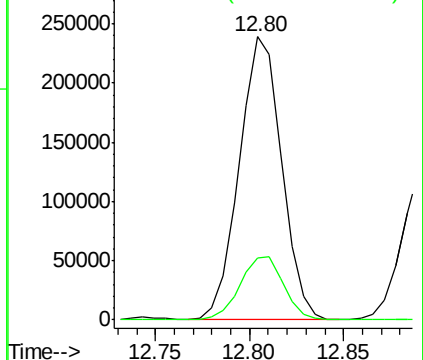
91 100

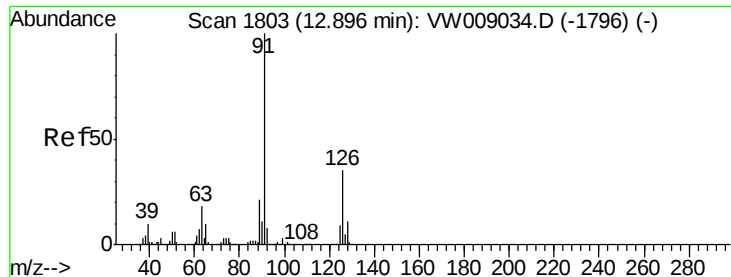
120 23.0 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.394 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampled :

VW0311SBS01

Tot Ion: 91 Resp: 207818

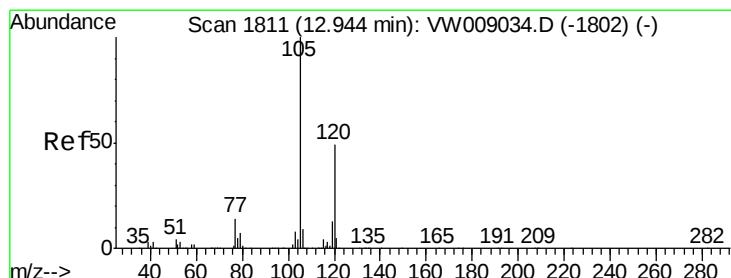
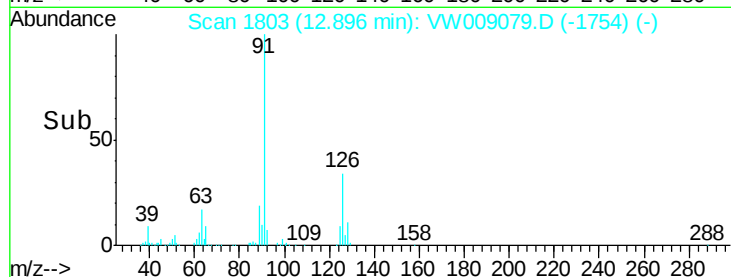
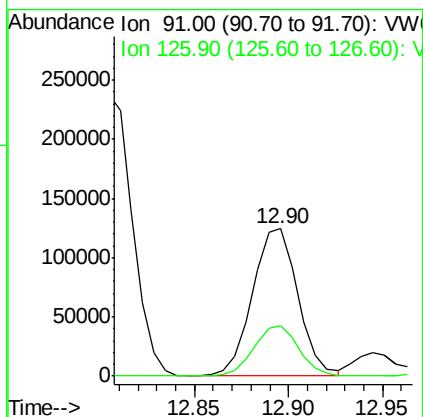
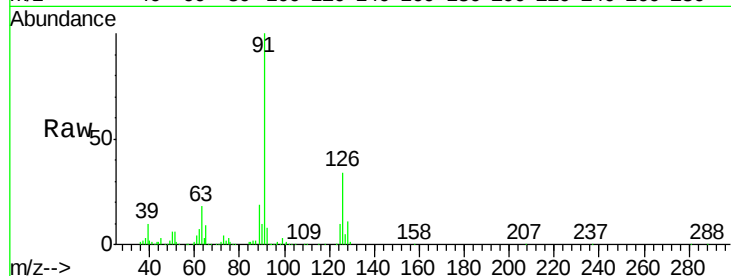
Ion Ratio Lower Upper

91 100

126 33.6 16.8 50.4

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.377 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009079.D

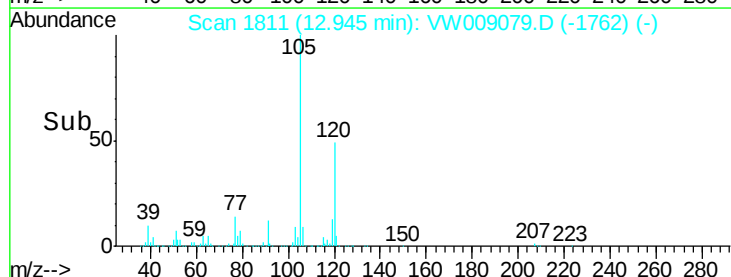
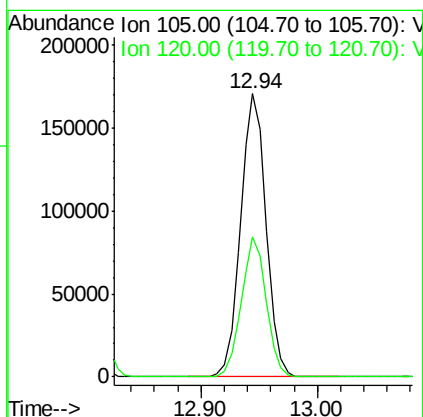
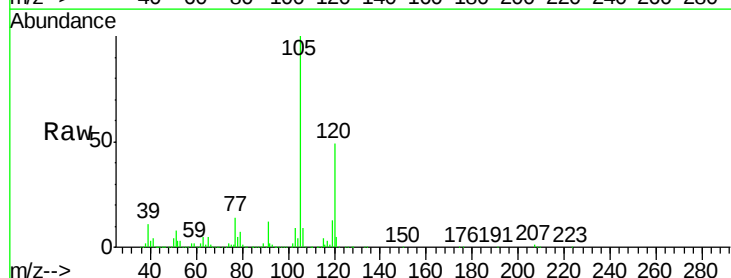
Acq: 11 Mar 2019 11:56

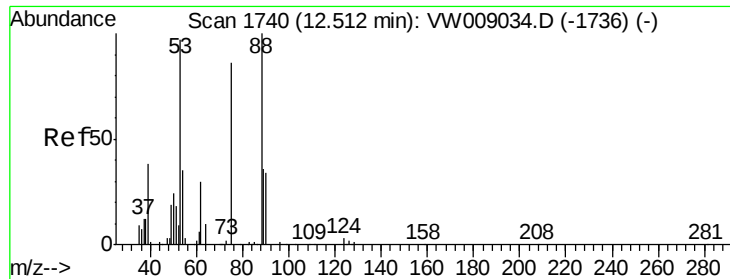
Tgt Ion:105 Resp: 258618

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





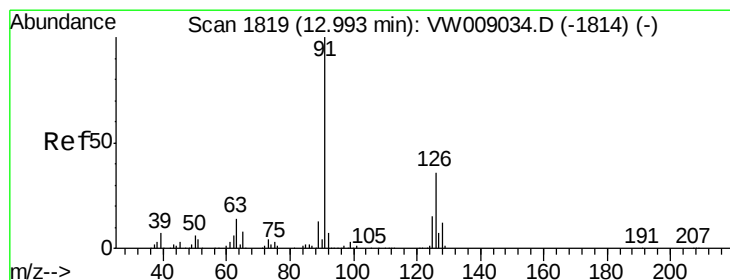
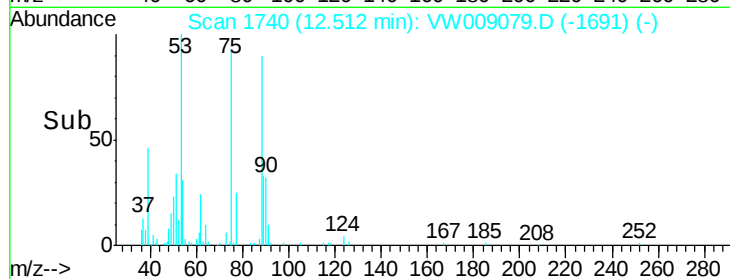
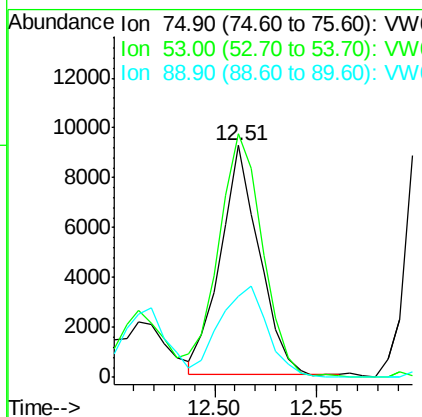
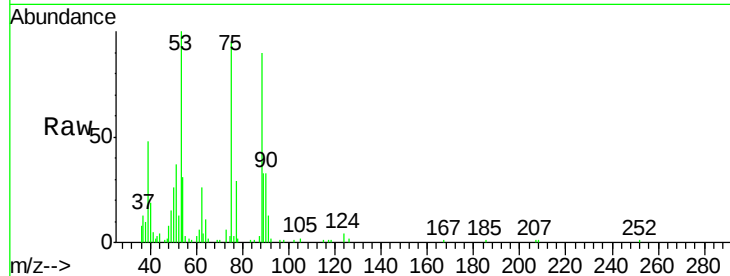
#81
trans-1,4-Dichloro-2-butene
Concen: 15.932 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.1	90.5	135.7
89	49.2	37.5	56.3

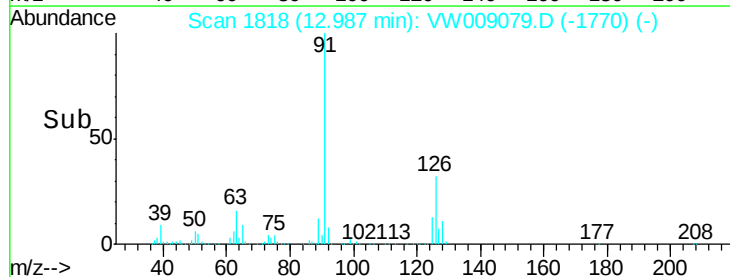
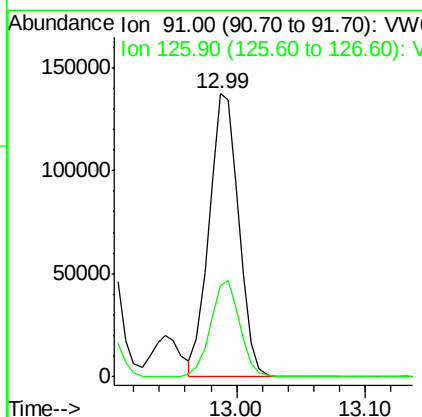
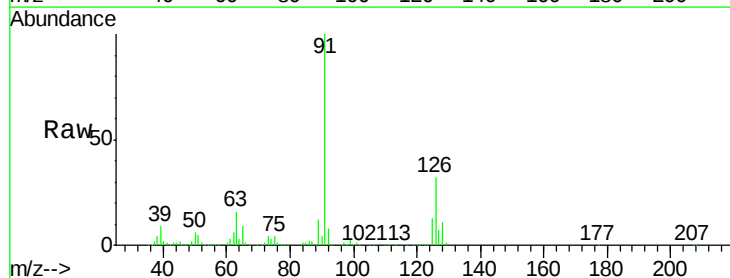
Manual Integrations
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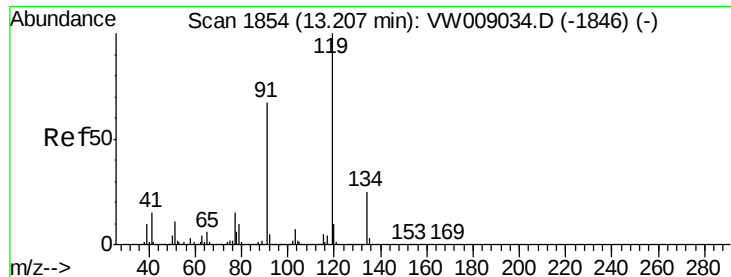
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3/12/2019 1:15:42 PM



#82
4-Chlorotoluene
Concen: 19.236 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.6	49.8





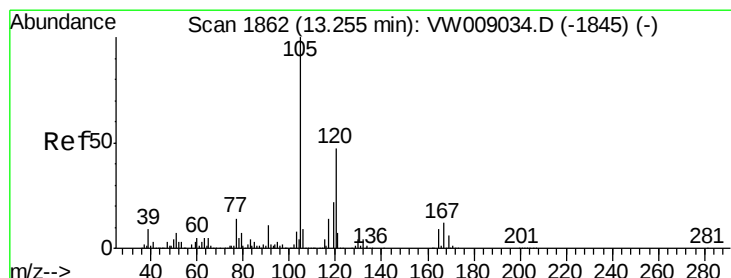
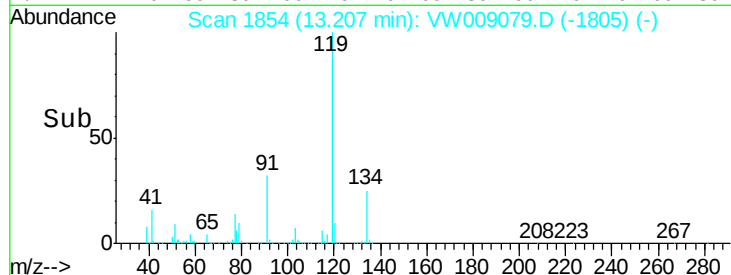
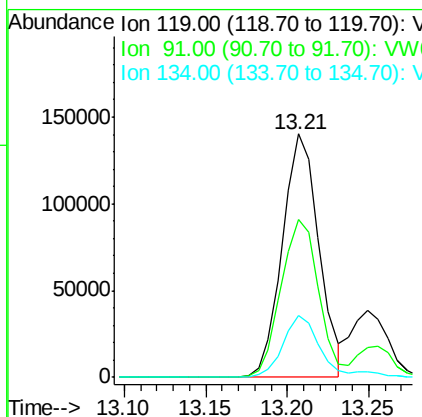
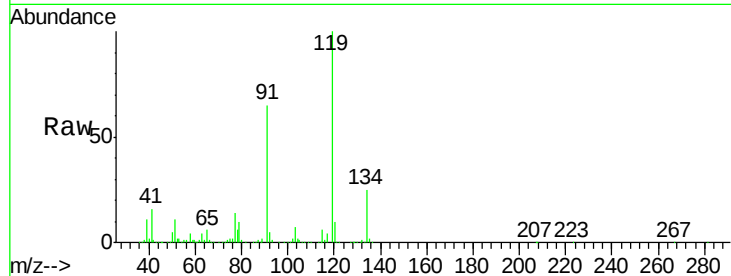
#83
 tert-Butylbenzene
 Concen: 19.339 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	34.2	102.5
134	24.8	13.9	41.6

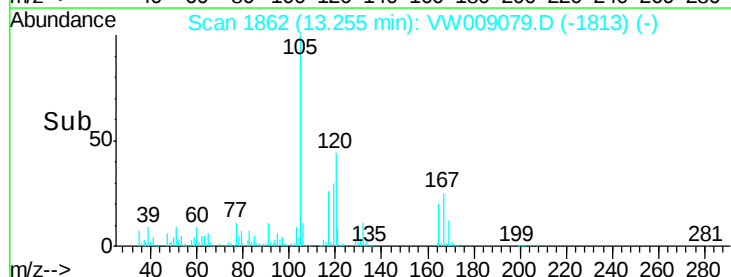
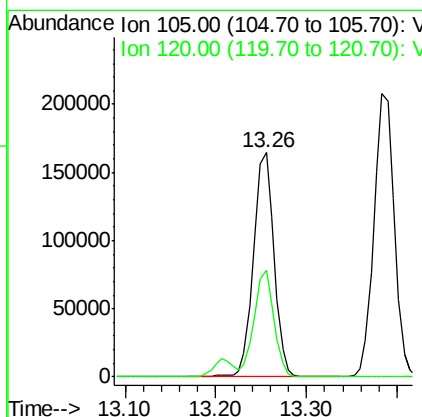
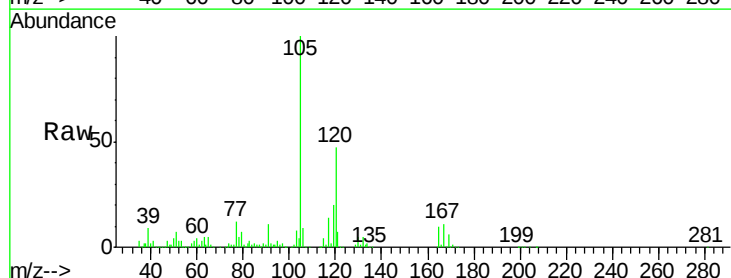
Manual Integrations
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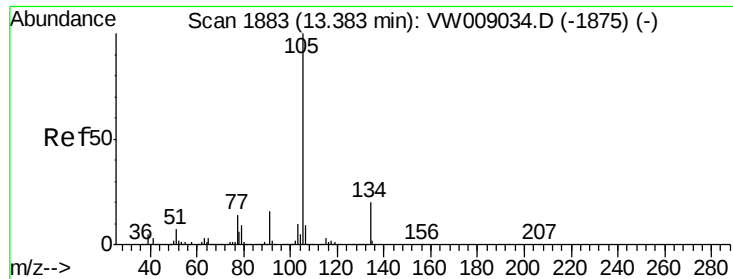
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.227 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.298 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

Instrument :

MSVOA_W

ClientSampleId :

VW0311SBS01

Tot Ion:105 Resp: 321847

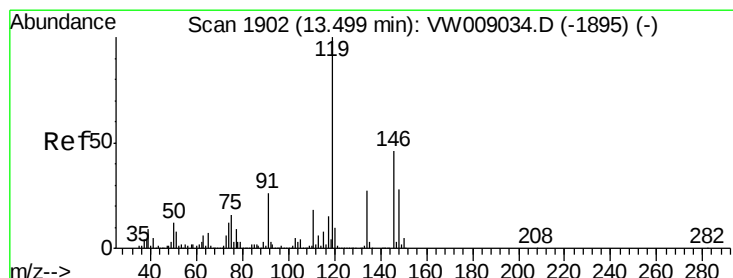
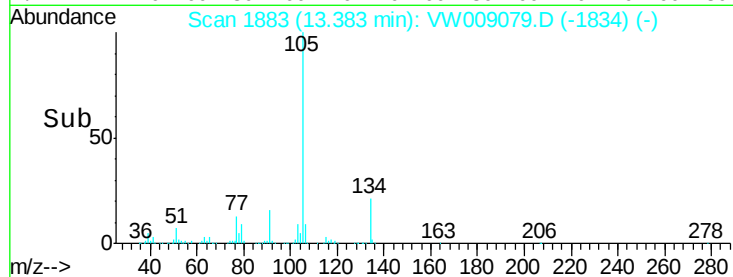
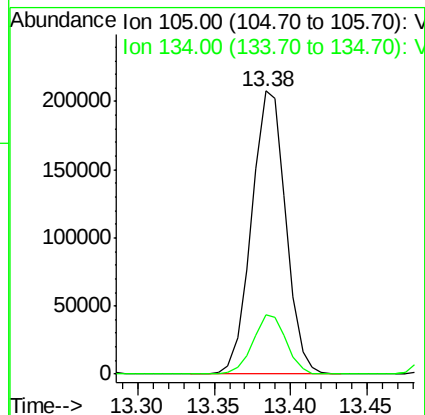
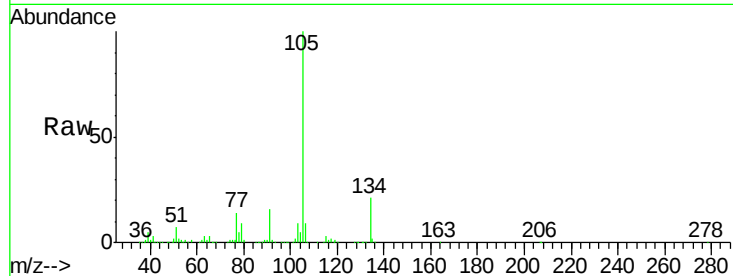
Ion Ratio Lower Upper

105 100

134 20.5 10.0 30.0

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.030 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009079.D

Acq: 11 Mar 2019 11:56

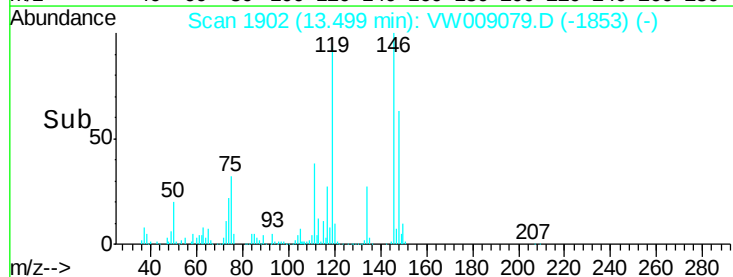
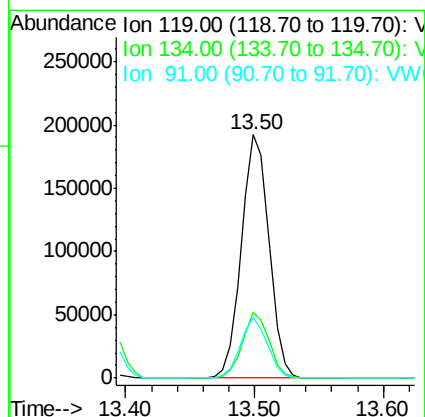
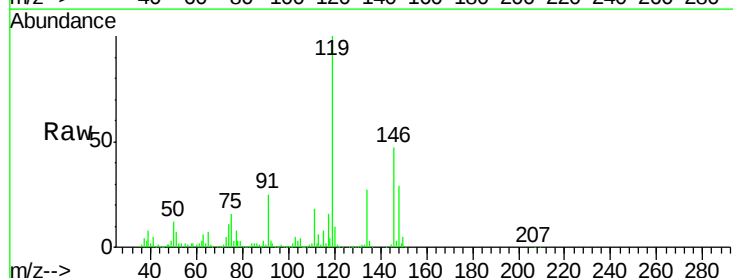
Tgt Ion:119 Resp: 283922

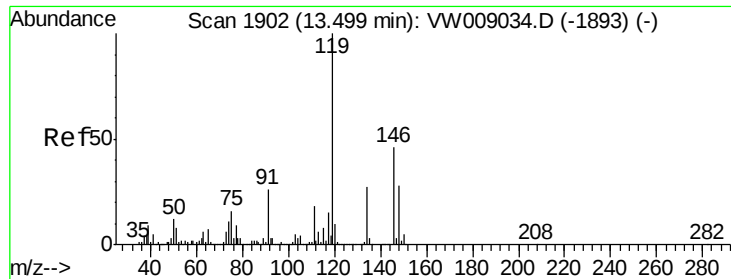
Ion Ratio Lower Upper

119 100

134 26.1 13.3 39.9

91 24.2 12.3 36.9





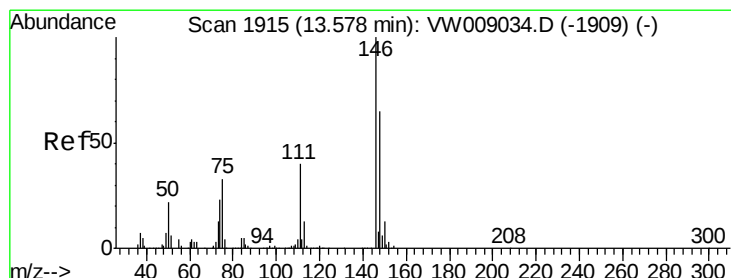
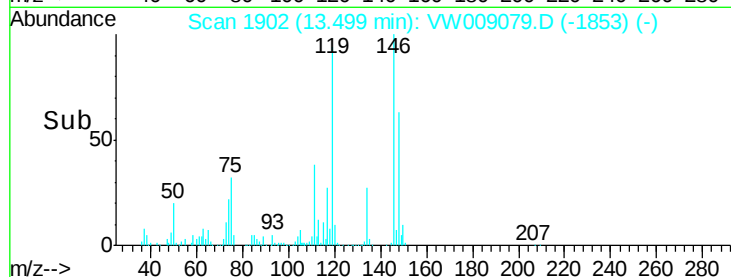
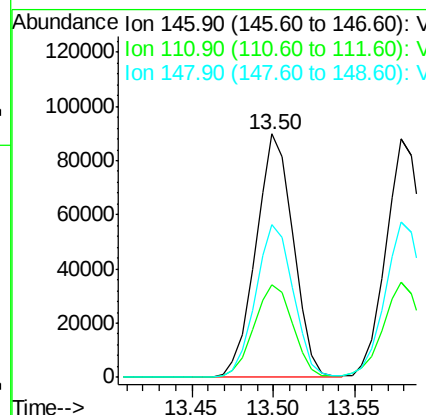
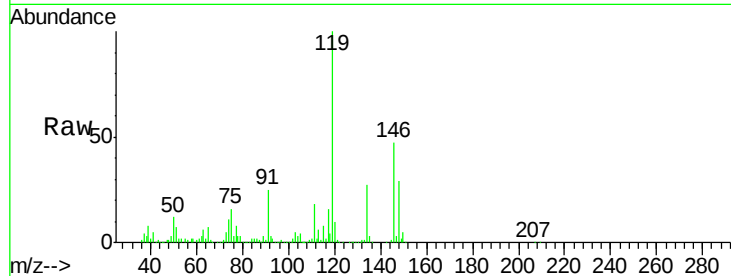
#87
 1,3-Dichlorobenzene
 Concen: 19.336 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.4
148	62.9	31.6	94.8

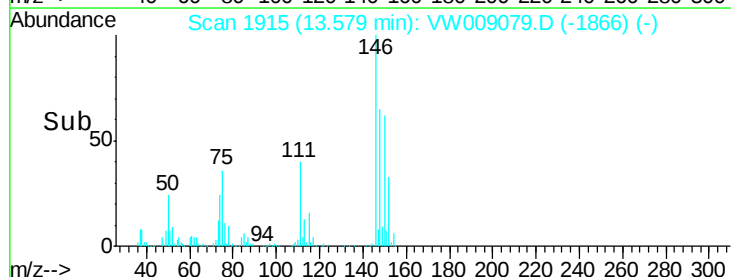
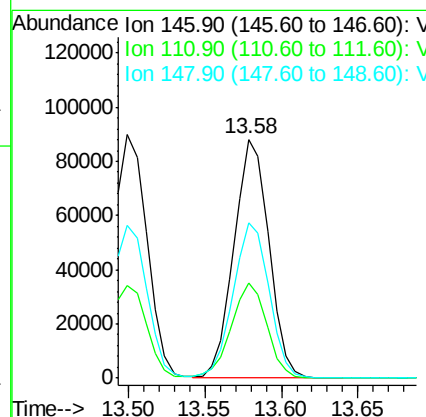
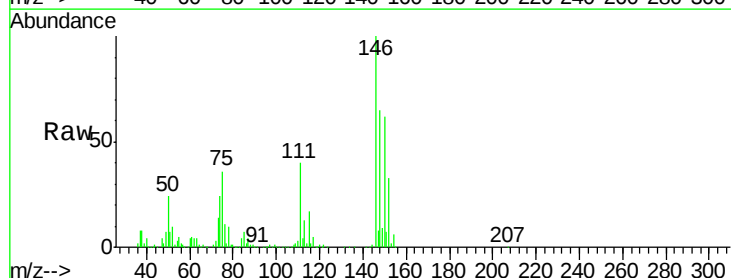
Manual Integrations
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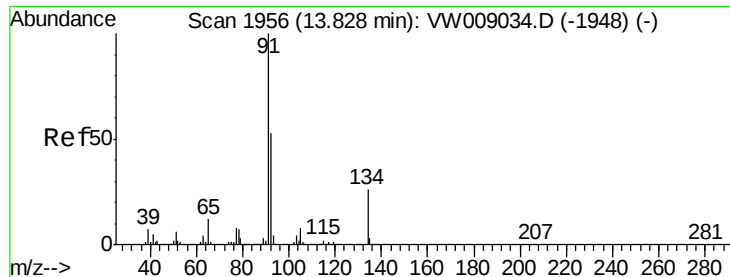
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#88
 1,4-Dichlorobenzene
 Concen: 19.034 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.7	59.0
148	66.9	32.2	96.6





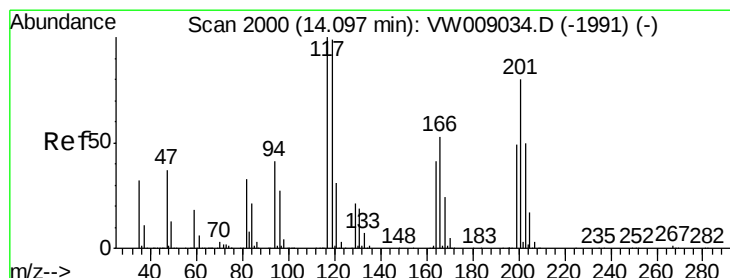
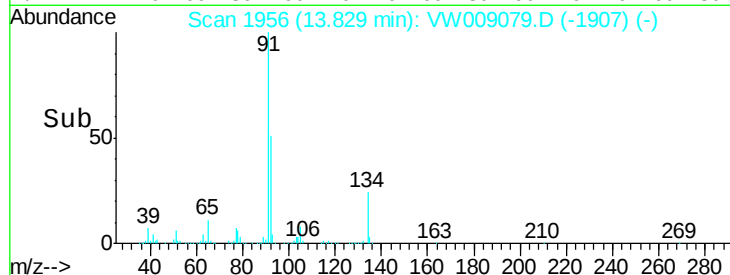
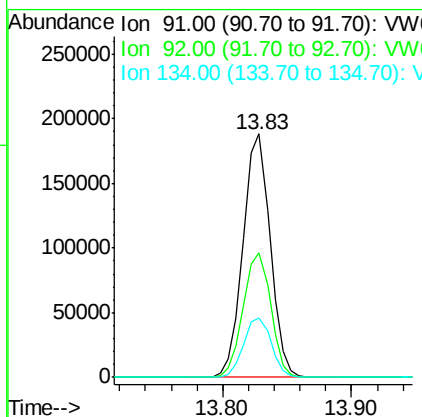
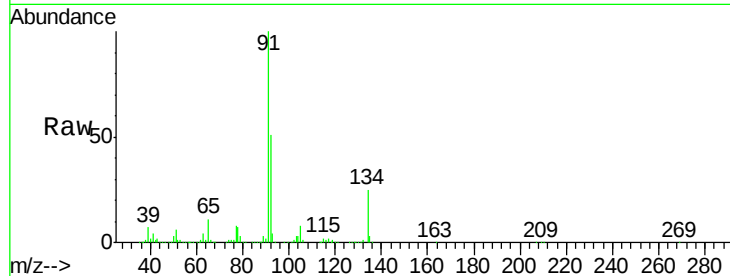
#89
n-Butylbenzene
Concen: 19.343 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampled :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.8	80.3
134	24.8	12.9	38.7

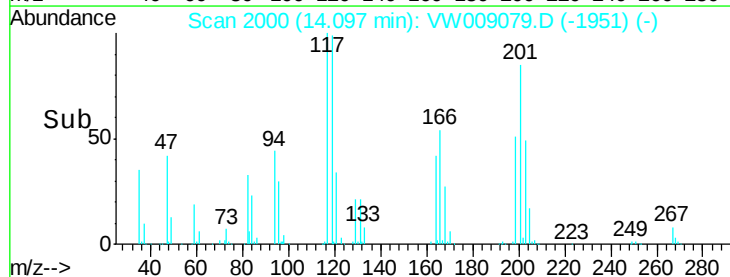
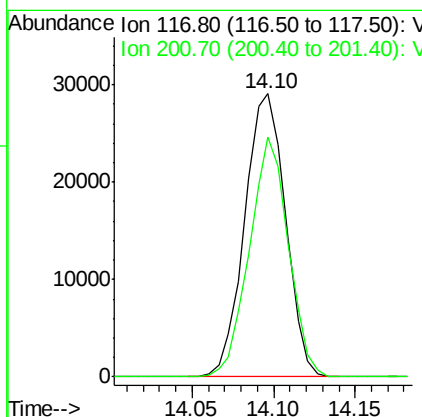
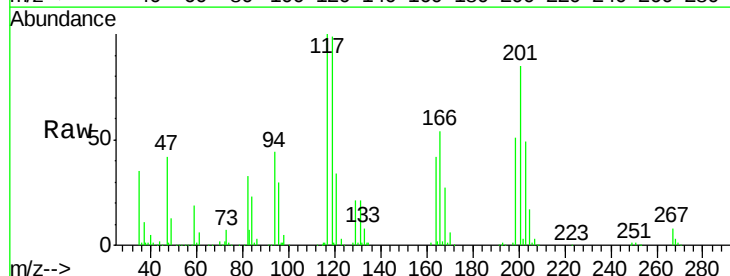
Manual Integrations
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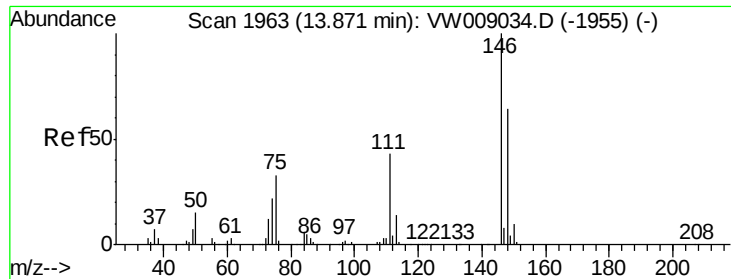
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#90
Hexachloroethane
Concen: 19.749 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.4	39.1	117.5





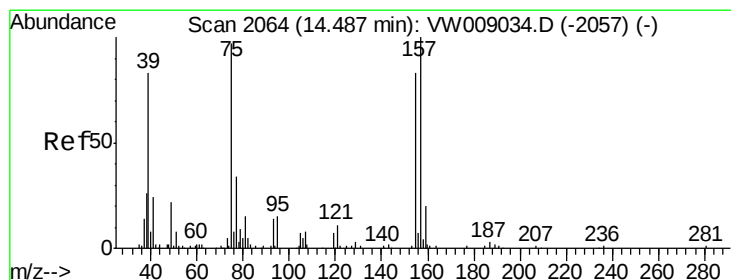
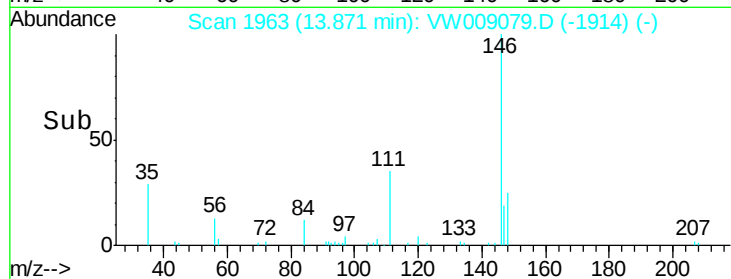
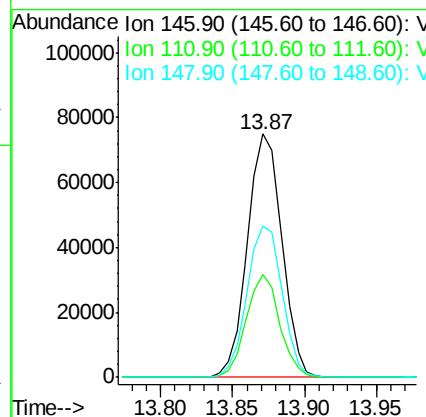
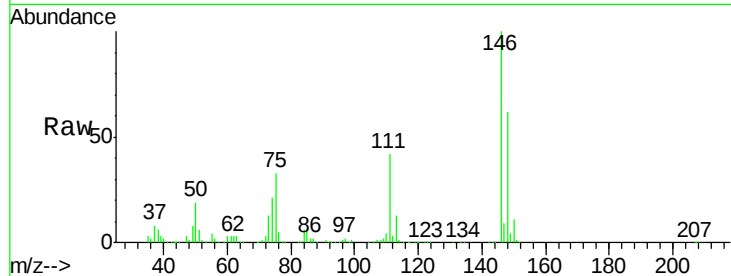
#91
 1,2-Dichlorobenzene
 Concen: 18.900 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.1	63.1
148	63.7	32.3	96.9

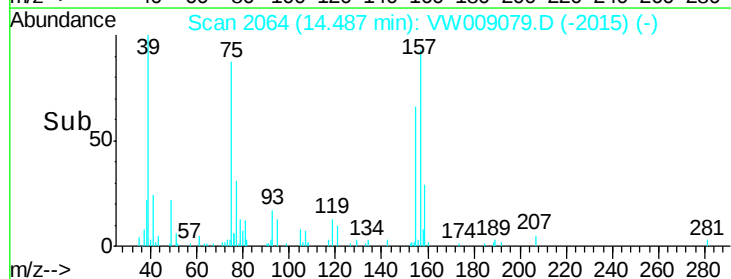
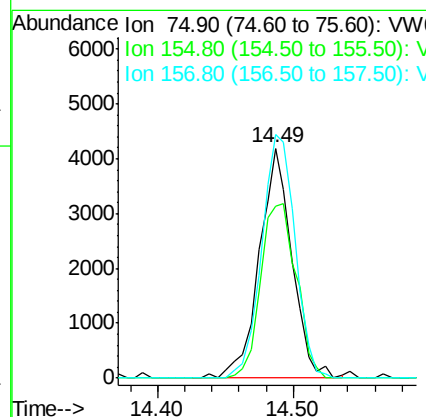
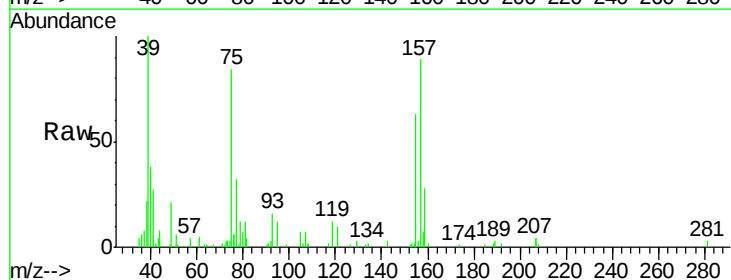
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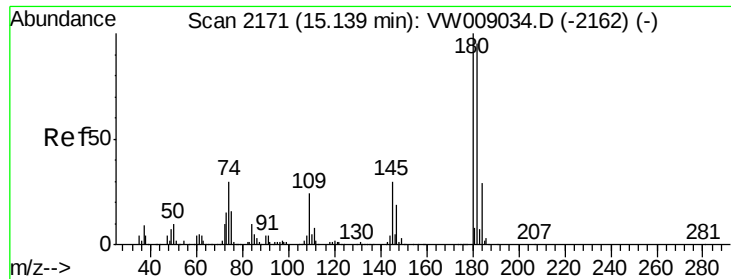
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.255 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.5	40.8	122.4
157	108.0	52.4	157.3





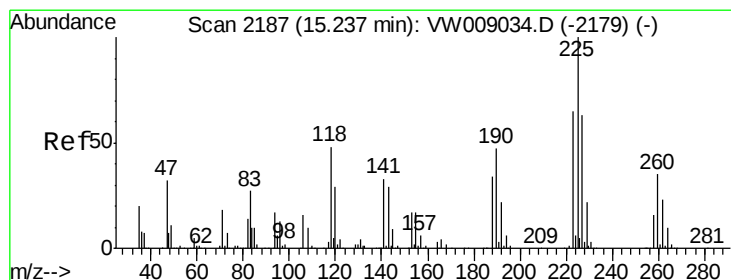
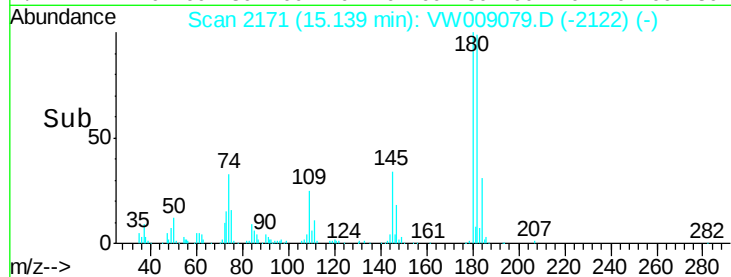
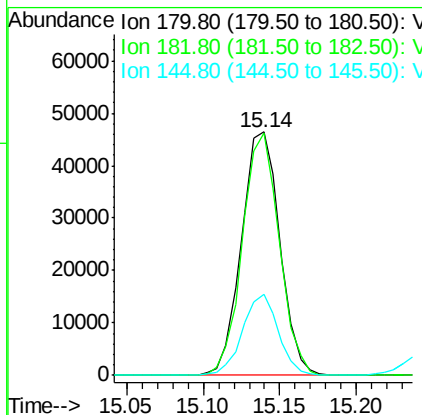
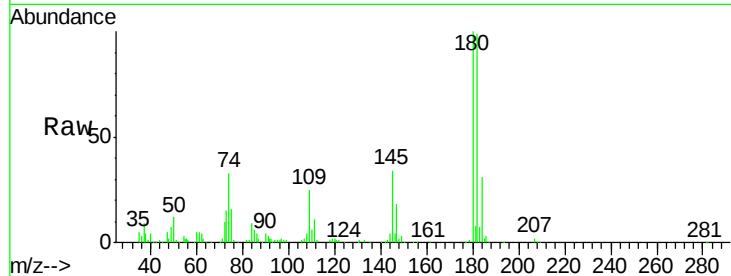
#93
 1,2,4-Trichlorobenzene
 Concen: 18.307 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0311SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	81104		
182	95.5	48.1	144.3	
145	31.2	15.4	46.1	

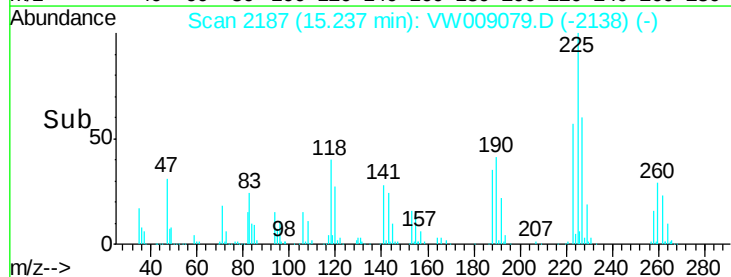
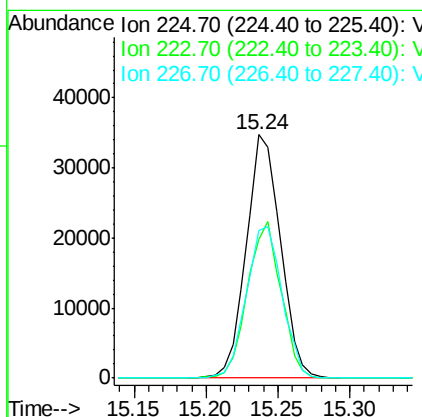
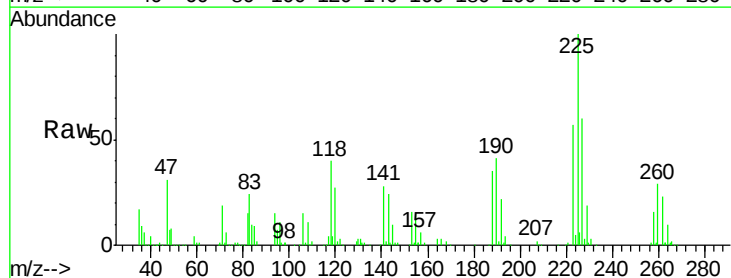
Manual Integrations
 APPROVED

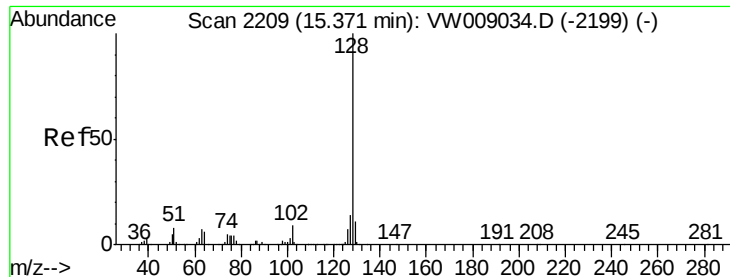
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#94
 Hexachlorobutadiene
 Concen: 20.553 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009079.D
 Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57034		
223	62.8	31.6	94.8	
227	65.2	32.0	96.2	





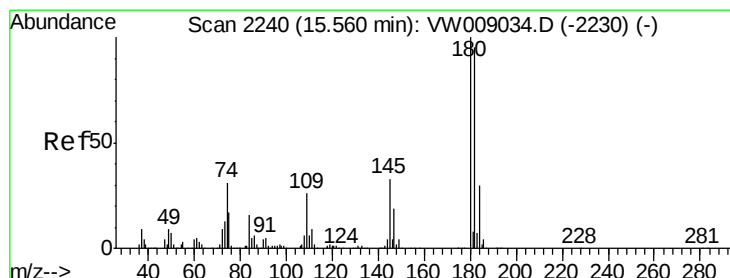
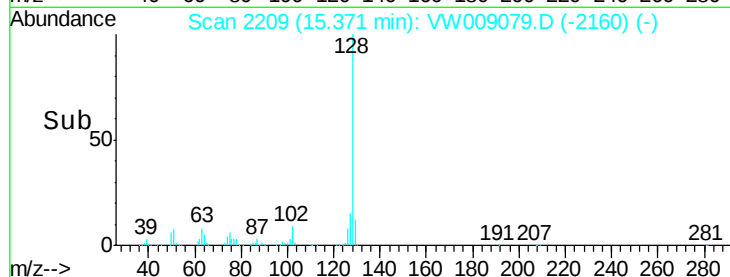
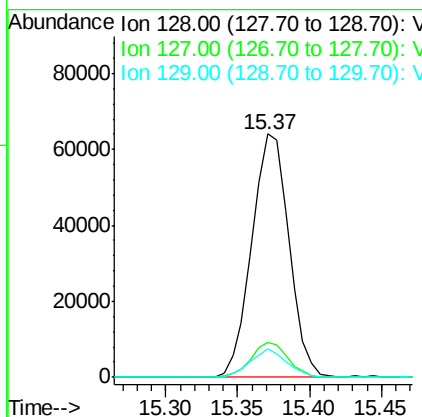
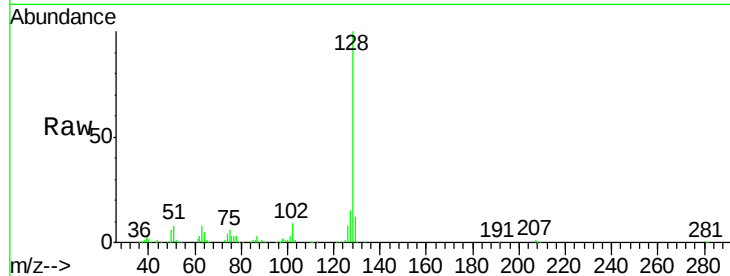
#95
Naphthalene
Concen: 15.772 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Instrument :
MSVOA_W
ClientSampleId :
VW0311SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.3	11.0	16.6
129	11.4	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.122 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009079.D
Acq: 11 Mar 2019 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	48.1	144.3
145	30.8	15.8	47.3

