

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010419\
 Data File : VW008041.D
 Acq On : 04 Jan 2019 12:24
 Operator : SY/AP
 Sample : VW0104SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Manual Integrations
 APPROVED

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 1/7/2019 1:22:45 PM

Quant Time: Jan 05 00:57:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	75576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	121358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104419	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	49621	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	43442	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.88	113	38736	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.32	98	149053	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.62	95	48761	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12608m	18.179	ug/l	
3) Chloromethane	2.21	50	9424	18.316	ug/l	97
4) Vinyl Chloride	2.37	62	13543	20.381	ug/l	98
5) Bromomethane	2.78	94	7520	17.812	ug/l	91
6) Chloroethane	2.92	64	6544	19.268	ug/l	96
7) Trichlorofluoromethane	3.26	101	12165	18.237	ug/l	95
8) Diethyl Ether	3.68	74	6968	20.338	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15637	19.726	ug/l	99
10) Methyl Iodide	4.26	142	25038	19.633	ug/l	98
11) Tert butyl alcohol	5.20	59	4515	83.138	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	14797	19.501	ug/l	94
13) Acrolein	3.89	56	3492	94.902	ug/l	98
14) Allyl chloride	4.66	41	20390	19.836	ug/l	99
15) Acrylonitrile	5.37	53	12609	100.062	ug/l	98
16) Acetone	4.13	43	14024	108.380	ug/l	94
17) Carbon Disulfide	4.37	76	44828	19.341	ug/l	98
18) Methyl Acetate	4.67	43	6589	19.635	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	23383	19.582	ug/l	96
20) Methylene Chloride	4.90	84	16269	18.910	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	15999	19.380	ug/l	94
22) Diisopropyl ether	6.31	45	37647	20.404	ug/l	99
23) Vinyl Acetate	6.26	43	105623	102.316	ug/l	97
24) 1,1-Dichloroethane	6.21	63	27233	19.865	ug/l	99
25) 2-Butanone	7.17	43	16223	106.411	ug/l	100
26) 2,2-Dichloropropane	7.17	77	22808	20.194	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	17278	19.648	ug/l	98
28) Bromochloromethane	7.51	49	8717	19.783	ug/l	96
29) Tetrahydrofuran	7.52	42	9255	97.731	ug/l	98
30) Chloroform	7.68	83	30287	19.713	ug/l	94
31) Cyclohexane	7.95	56	25283	19.787	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	28941	19.685	ug/l	99
36) 1,1-Dichloropropene	8.08	75	23810	19.889	ug/l	100
37) Ethyl Acetate	7.25	43	7216	20.067	ug/l	99
38) Carbon Tetrachloride	8.07	117	27622	19.253	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29636	19.860	ug/l	99
40) Benzene	8.32	78	63086	19.975	ug/l	100
41) Methacrylonitrile	7.48	41	4857	22.972	ug/l	97
42) 1,2-Dichloroethane	8.40	62	19992	18.999	ug/l	98
43) Isopropyl Acetate	8.43	43	14646	20.384	ug/l	99
44) Trichloroethene	9.09	130	18252	19.585	ug/l	98
45) 1,2-Dichloropropane	9.37	63	14107	20.636	ug/l	91
46) Dibromomethane	9.46	93	8003	20.024	ug/l	98
47) Bromodichloromethane	9.65	83	22397	20.007	ug/l	99
48) Methyl methacrylate	9.43	41	7539	20.810	ug/l	94
49) 1,4-Dioxane	9.47	88	1831	309.574	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	34318	103.185	ug/l	99
52) Toluene	10.39	92	42245	20.262	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	21050	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	24007	19.986	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10818	19.991	ug/l	96
56) Ethyl methacrylate	10.65	69	12711	20.778	ug/l	95
57) 1,3-Dichloropropane	10.93	76	18303	19.906	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	30964	106.724	ug/l	99
59) 2-Hexanone	10.97	43	24290	105.791	ug/l	99
60) Dibromochloromethane	11.13	129	13771	18.591	ug/l	99
61) 1,2-Dibromoethane	11.24	107	10832	20.003	ug/l	90
64) Tetrachloroethene	10.86	164	14366	19.917	ug/l	87
65) Chlorobenzene	11.66	112	43018	19.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15625	19.334	ug/l	97
67) Ethyl Benzene	11.73	91	75301	19.010	ug/l	93
68) m/p-Xylenes	11.84	106	57739	37.703	ug/l	97
69) o-Xylene	12.17	106	27759	19.481	ug/l	100
70) Styrene	12.18	104	43700	18.815	ug/l	97
71) Bromoform	12.35	173	7262	19.395	ug/l #	97
73) Isopropylbenzene	12.46	105	81365	20.621	ug/l	100
74) N-amyl acetate	12.27	43	11933	19.429	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	10619	21.151	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	8739m	22.138	ug/l	
77) Bromobenzene	12.75	156	17088	20.149	ug/l	96
78) n-propylbenzene	12.80	91	91191	19.933	ug/l	97
79) 2-Chlorotoluene	12.89	91	50965	19.276	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	67634	19.914	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	3440	20.608	ug/l	91
82) 4-Chlorotoluene	12.99	91	55966	19.906	ug/l	99
83) tert-Butylbenzene	13.21	119	60645	20.409	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	67917	19.742	ug/l	97
85) sec-Butylbenzene	13.39	105	82420	20.163	ug/l	98
86) p-Isopropyltoluene	13.51	119	77439	21.003	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	37392	21.851	ug/l	91
88) 1,4-Dichlorobenzene	13.58	146	34517	20.374	ug/l	98
89) n-Butylbenzene	13.83	91	64717	19.189	ug/l	96
90) Hexachloroethane	14.10	117	12038	18.816	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	28581	19.007	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1933	18.970	ug/l	92

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VW0104SBS01

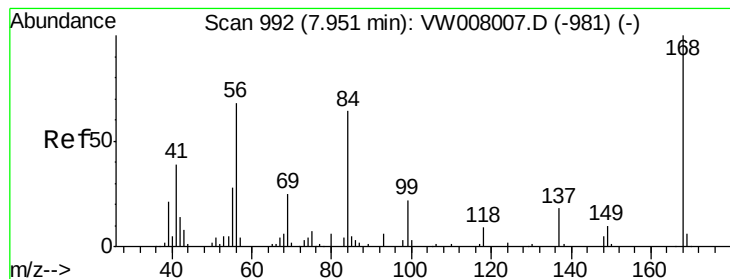
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	19974	18.912	ug/l	96
94) Hexachlorobutadiene	15.24	225	12377	20.297	ug/l	96
95) Naphthalene	15.38	128	36098	20.069	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	16819	19.354	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion:168 Resp: 75576

Ion Ratio Lower Upper

168 100

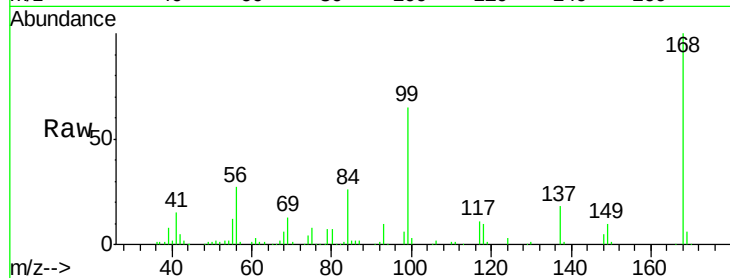
99 64.4 51.6 77.4

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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

30000

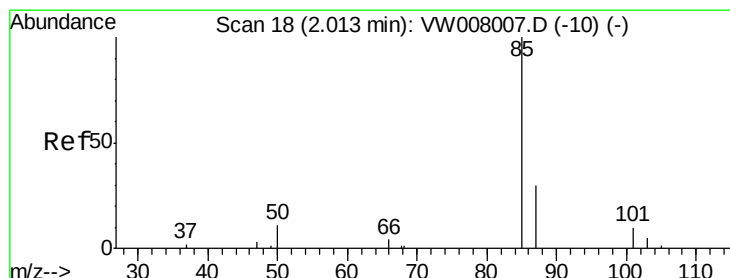
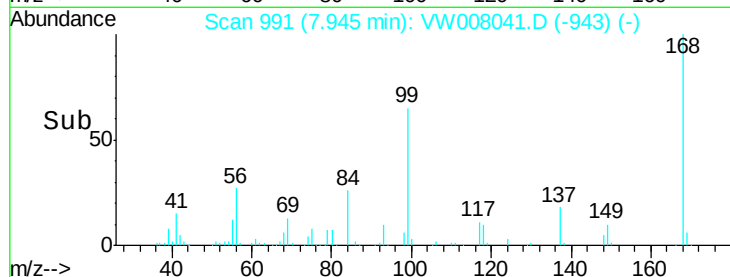
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.179 ug/l m

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW008041.D

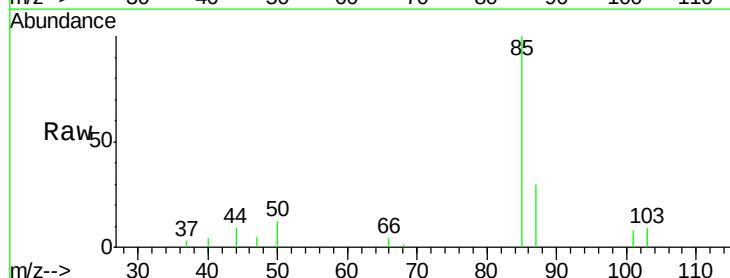
Acq: 04 Jan 2019 12:24

Tgt Ion: 85 Resp: 12608

Ion Ratio Lower Upper

85 100

87 30.0 15.0 45.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

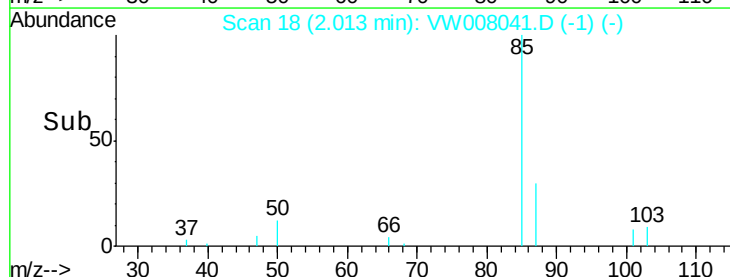
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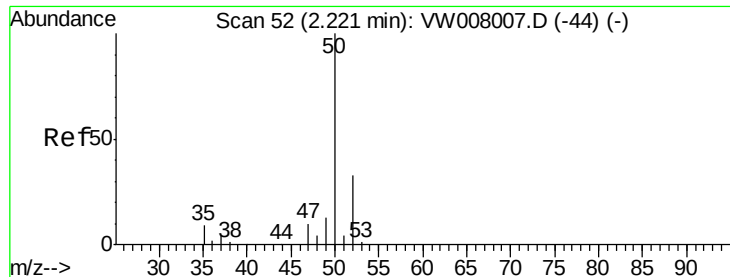
1000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.316 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 50 Resp: 9424

Ion Ratio Lower Upper

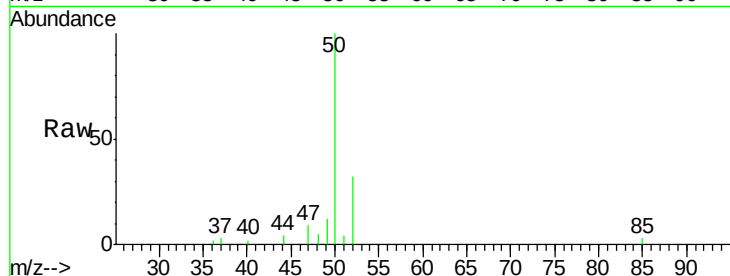
50 100

52 31.6 26.8 40.2

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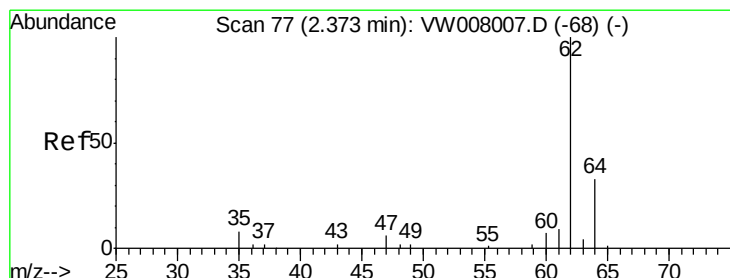
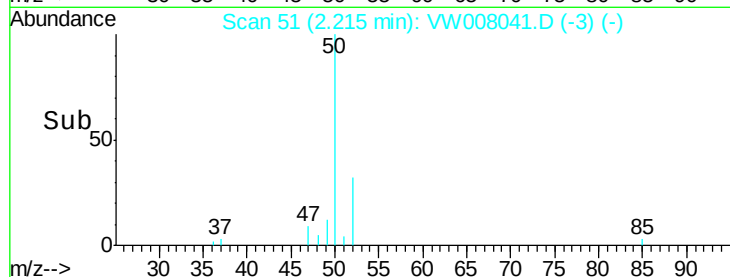
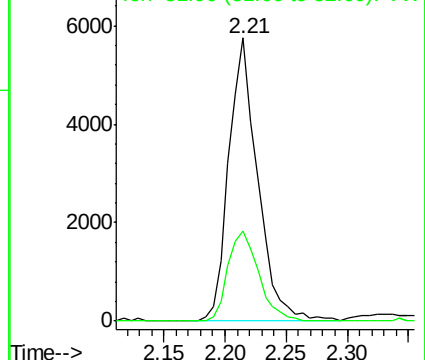
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 20.381 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW008041.D

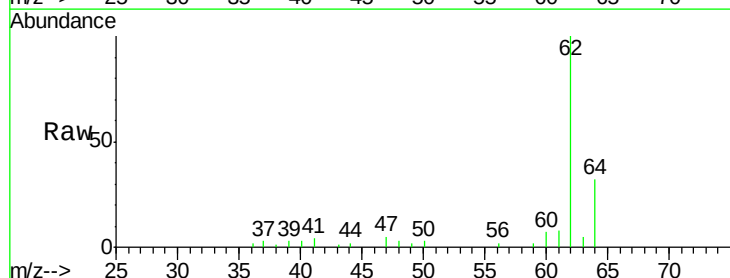
Acq: 04 Jan 2019 12:24

Tgt Ion: 62 Resp: 13543

Ion Ratio Lower Upper

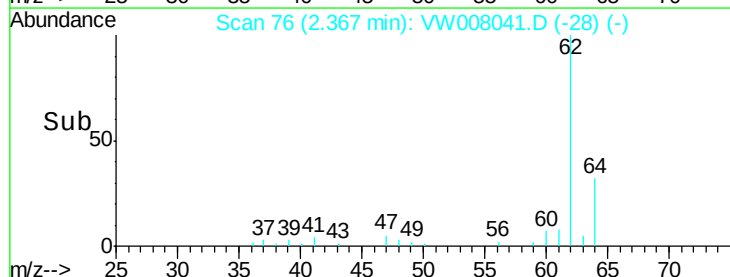
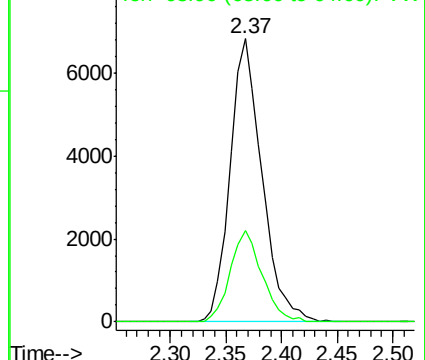
62 100

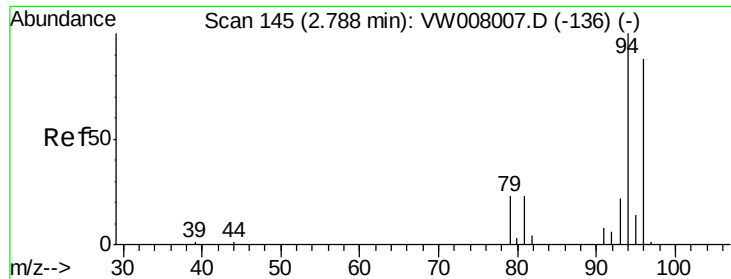
64 32.3 26.8 40.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 17.812 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Tot Ion: 94 Resp: 7520

Ion Ratio Lower Upper

94 100

96 80.2 70.7 106.1

Instrument :

MSVOA_W

ClientSampleId :

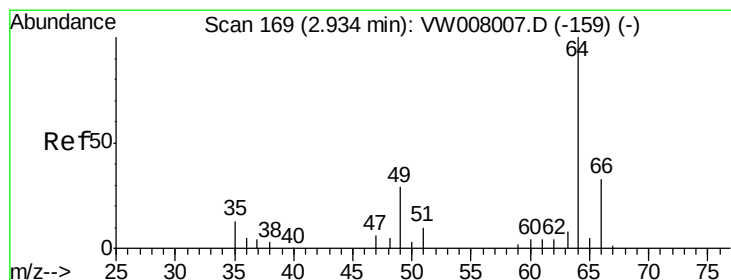
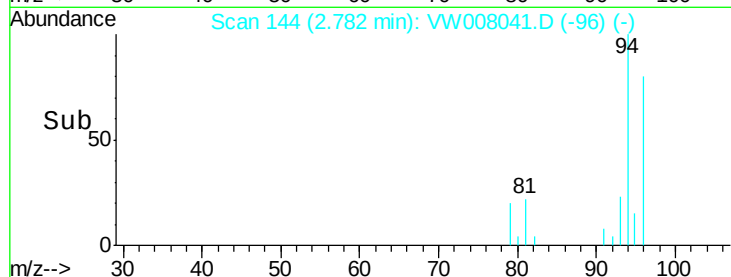
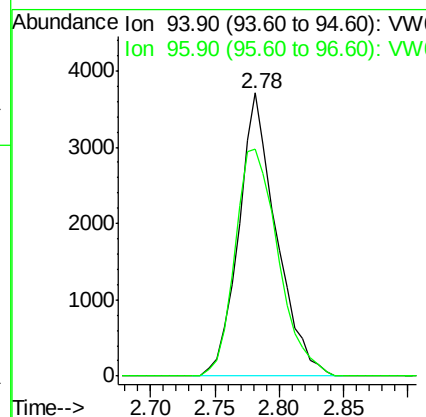
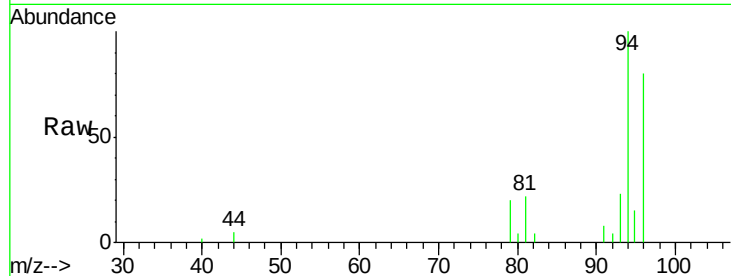
VW0104SBS01

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#6

Chloroethane

Concen: 19.268 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008041.D

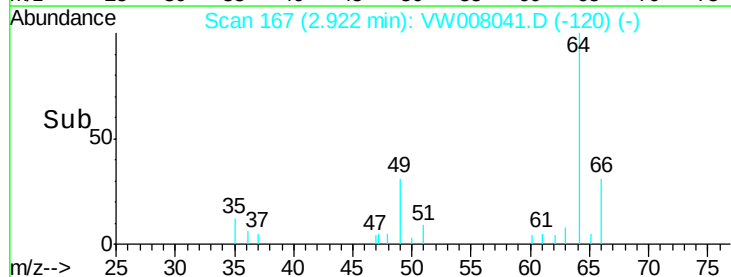
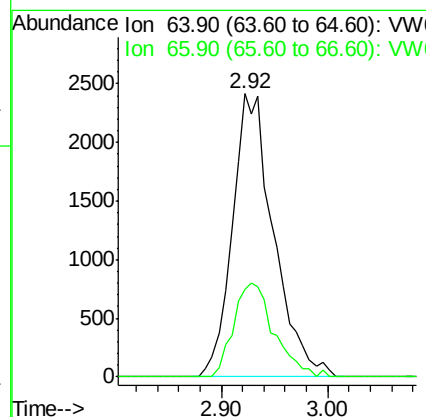
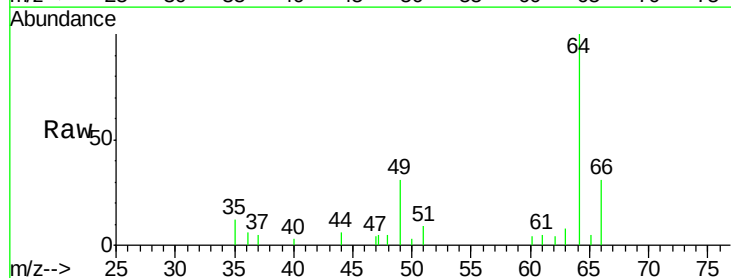
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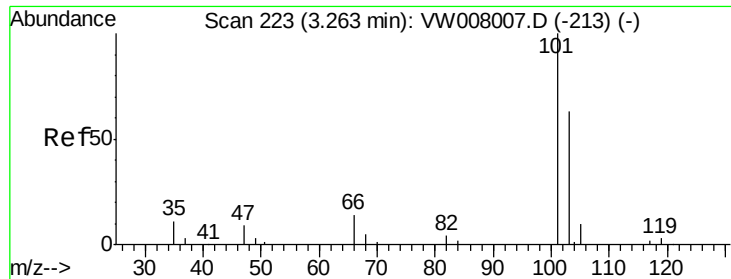
Tgt Ion: 64 Resp: 6544

Ion Ratio Lower Upper

64 100

66 31.1 26.6 39.8





#7

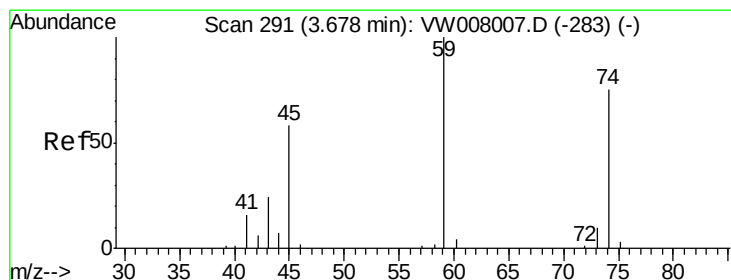
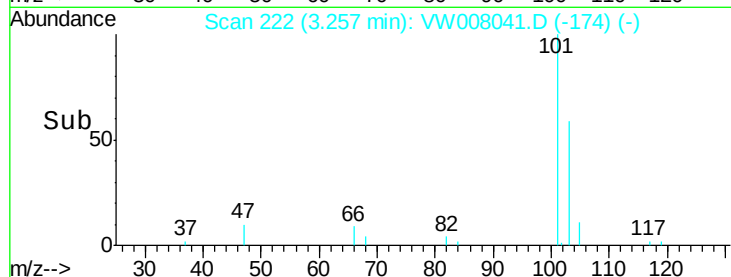
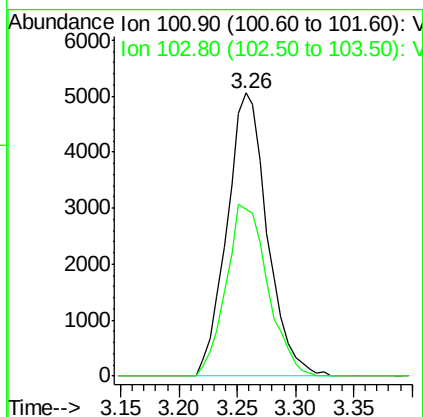
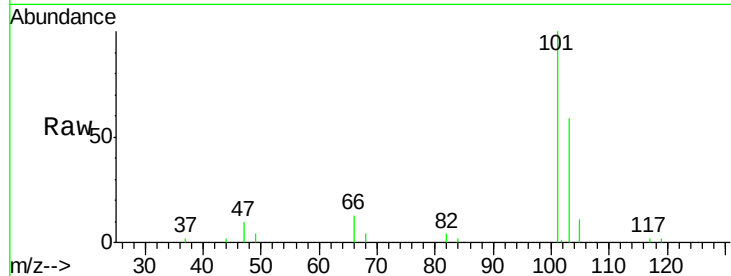
Trichlorofluoromethane
 Concen: 18.237 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
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 ClientSampleId :
 VW0104SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	50.5	75.7

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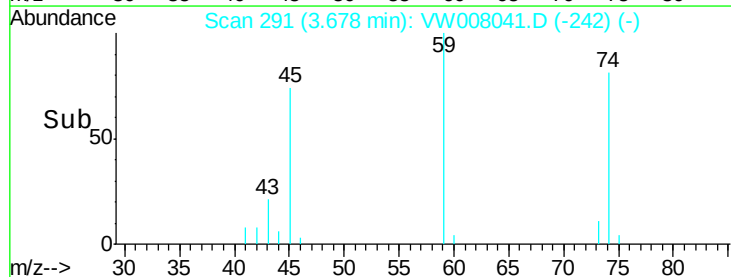
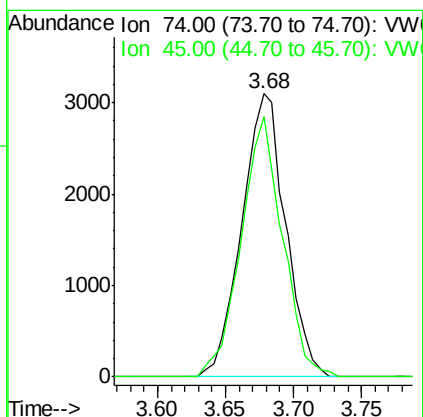
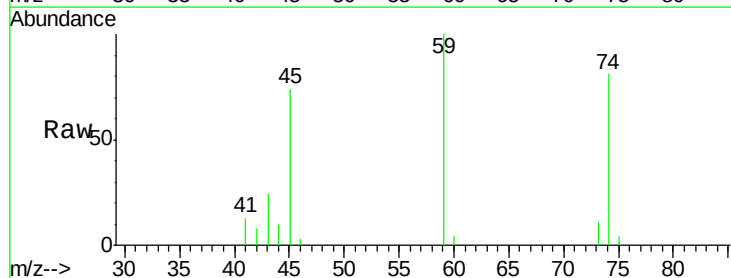
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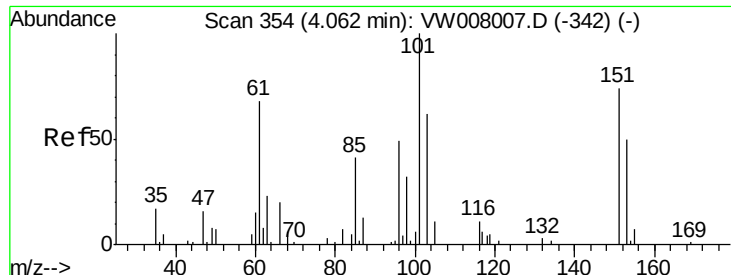


#8

Diethyl Ether
 Concen: 20.338 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.2	41.4	124.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.726 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

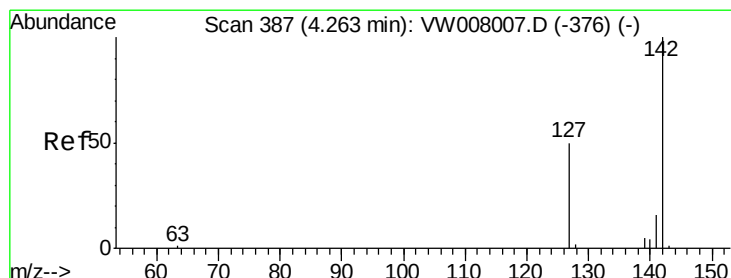
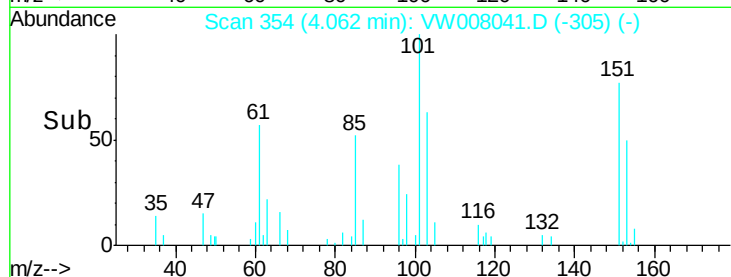
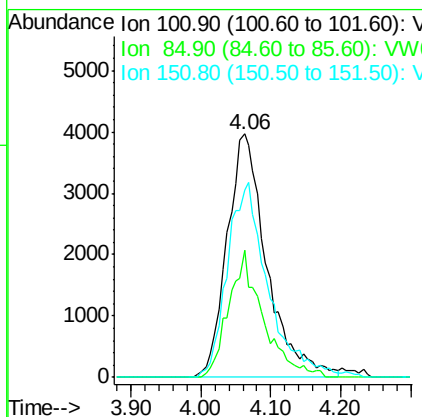
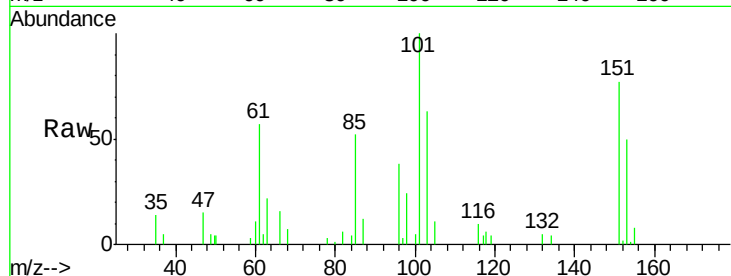
ClientSampleId :

VW0104SBS01

Tot Ion:	101	Resp:	15637
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.1	52.7
151	81.9	65.3	97.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.633 ug/l

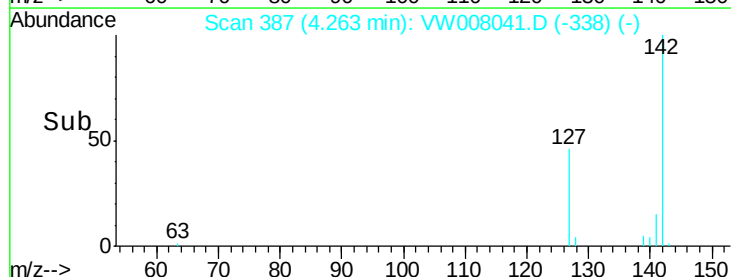
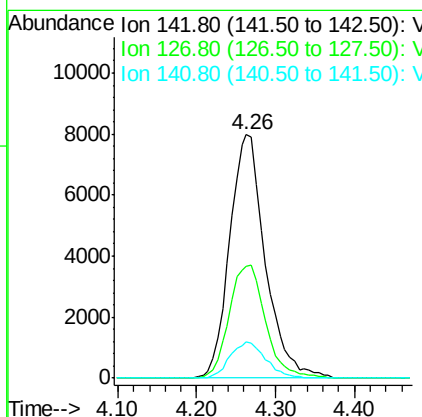
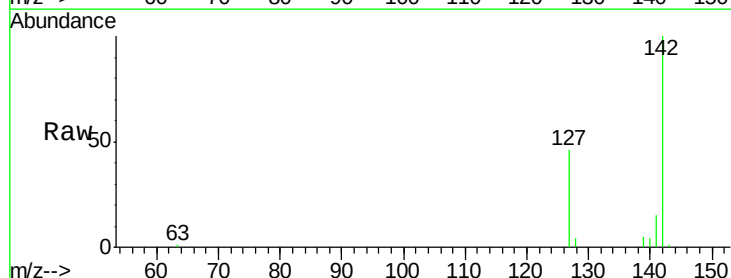
RT: 4.26 min Scan# 387

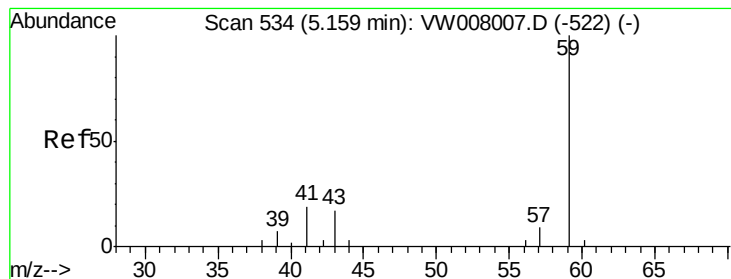
Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Tgt Ion:	142	Resp:	25038
Ion Ratio	Lower	Upper	
142	100		
127	47.4	39.4	59.0
141	14.9	12.1	18.1





#11

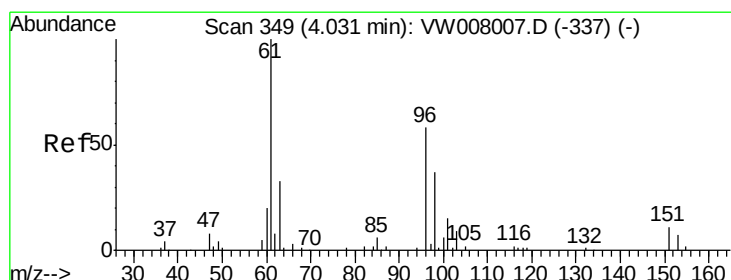
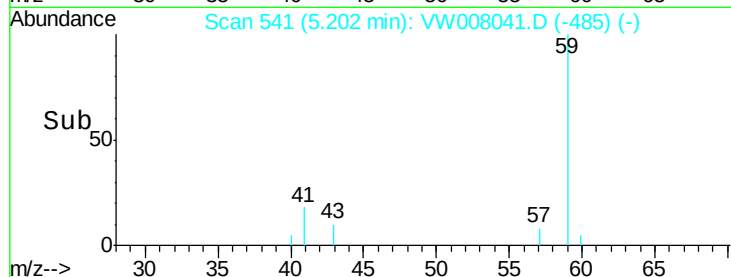
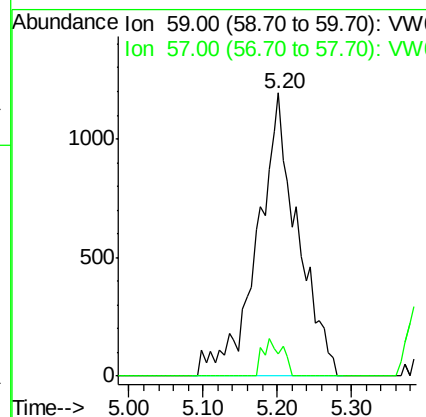
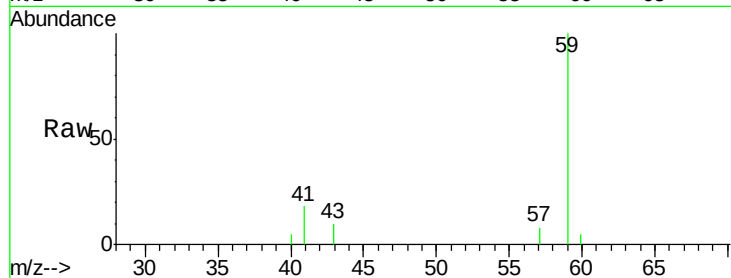
Tert butyl alcohol
 Concen: 83.138 ug/l
 RT: 5.20 min Scan# 541
 Delta R.T. 0.04 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.4	9.0	13.4#

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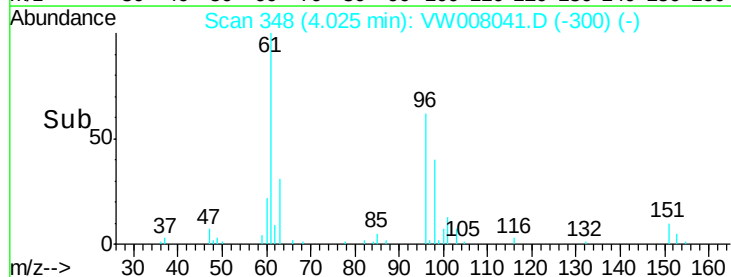
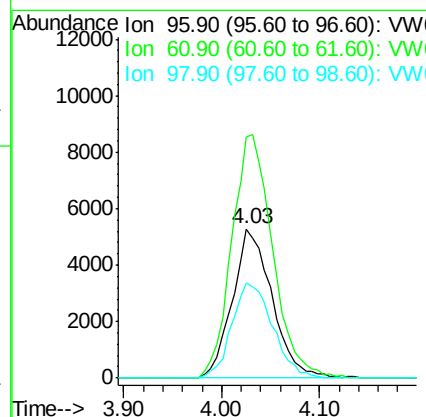
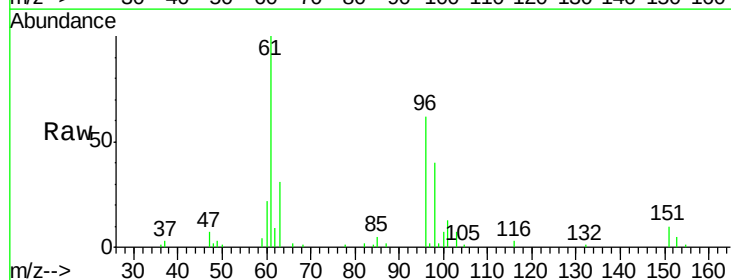
MMDadoda
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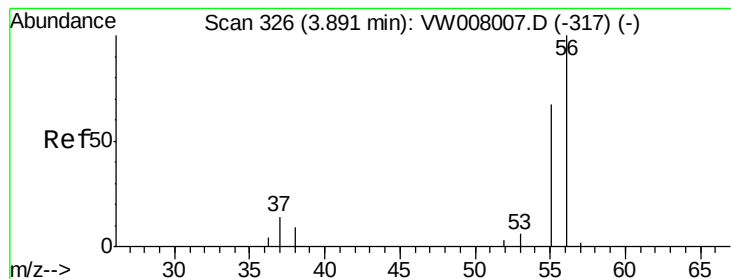


#12

1,1-Dichloroethene
 Concen: 19.501 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.7	137.3	205.9
98	64.1	50.5	75.7





#13

Acrolein

Concen: 94.902 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 56 Resp: 3492

Ion Ratio Lower Upper

56 100

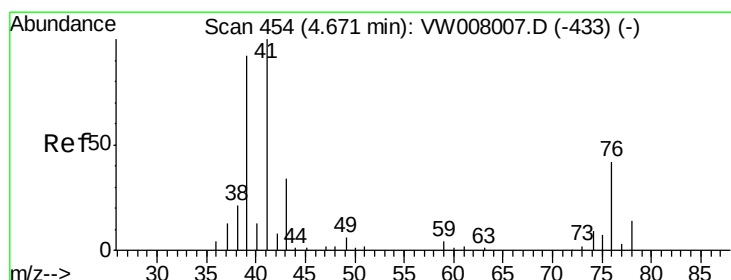
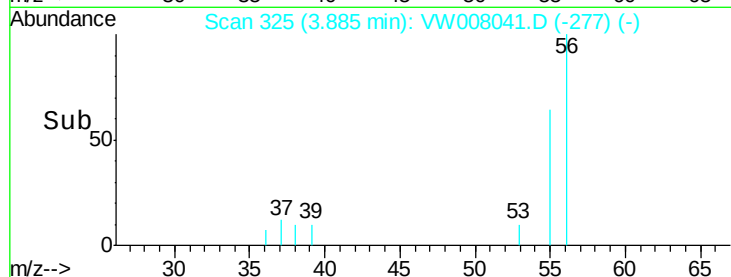
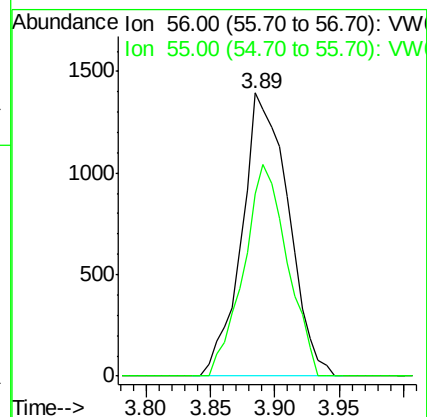
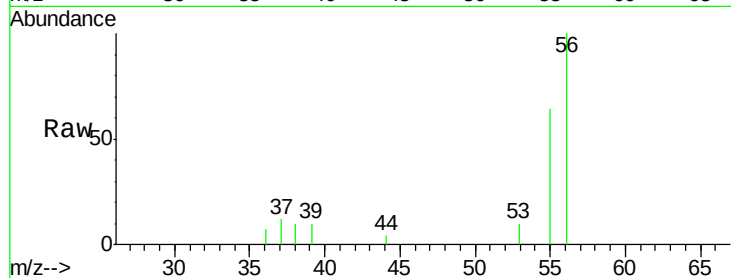
55 70.0 57.3 85.9

Manual Integrations

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#14

Allyl chloride

Concen: 19.836 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

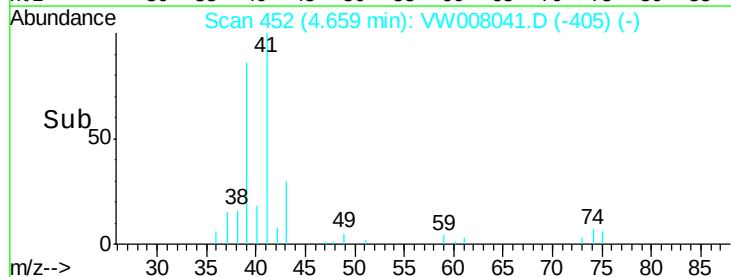
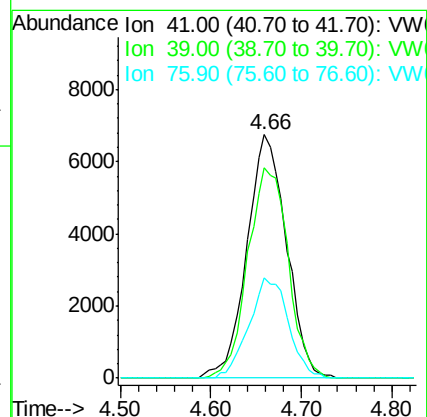
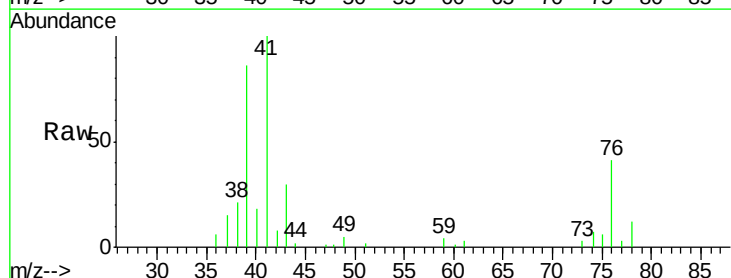
Tgt Ion: 41 Resp: 20390

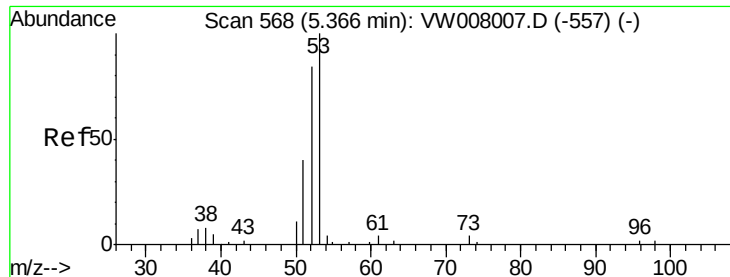
Ion Ratio Lower Upper

41 100

39 87.8 71.1 106.7

76 40.6 33.4 50.2





#15

Acrylonitrile

Concen: 100.062 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

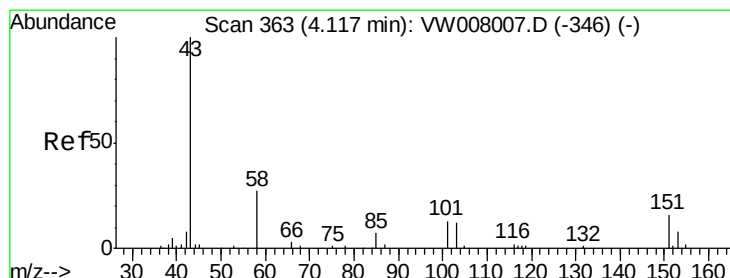
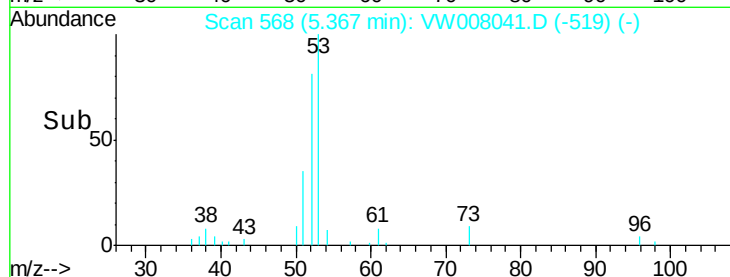
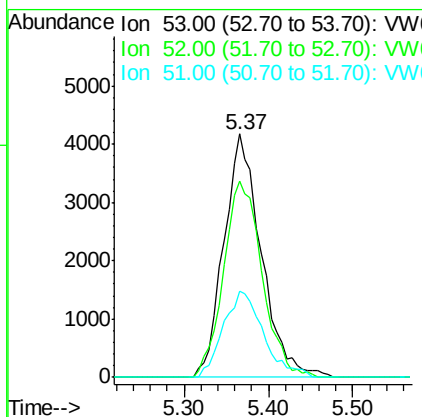
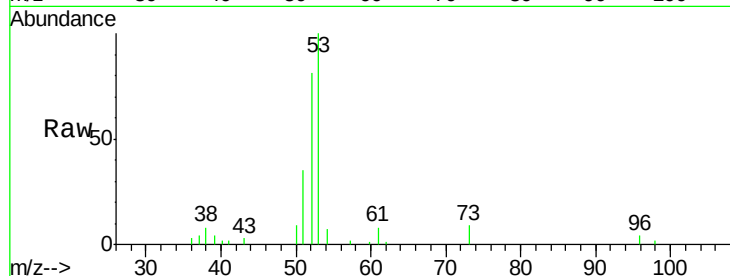
ClientSampleId :

VW0104SBS01

Tot Ion:	53	Resp:	12609
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.8	101.8
51	38.2	31.5	47.3

Manual Integrations
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#16

Acetone

Concen: 108.380 ug/l

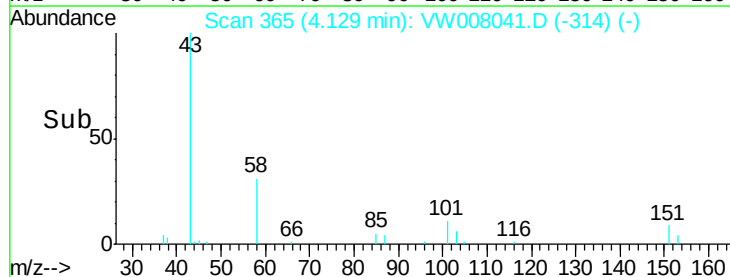
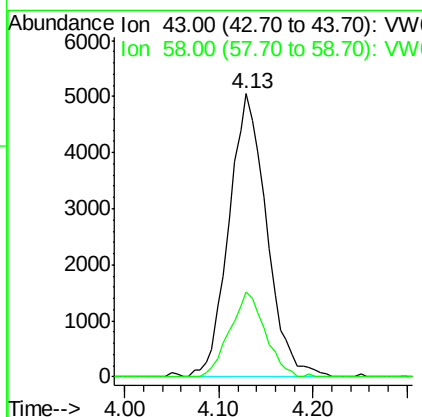
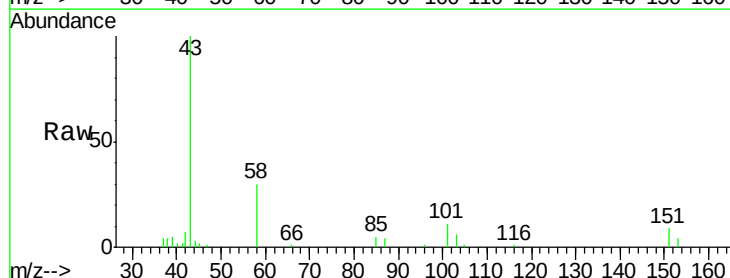
RT: 4.13 min Scan# 365

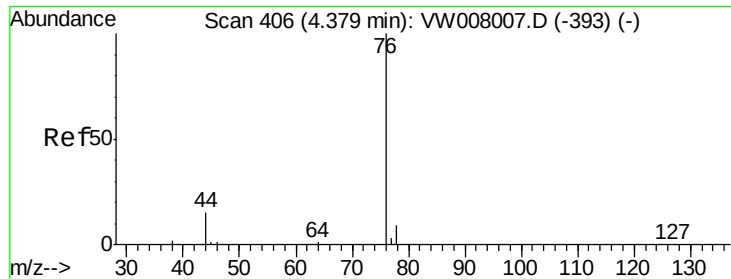
Delta R.T. 0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Tgt Ion:	43	Resp:	14024
Ion	Ratio	Lower	Upper
43	100		
58	30.2	21.7	32.5





#17

Carbon Disulfide

Concen: 19.341 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 76 Resp: 44828

Ion Ratio Lower Upper

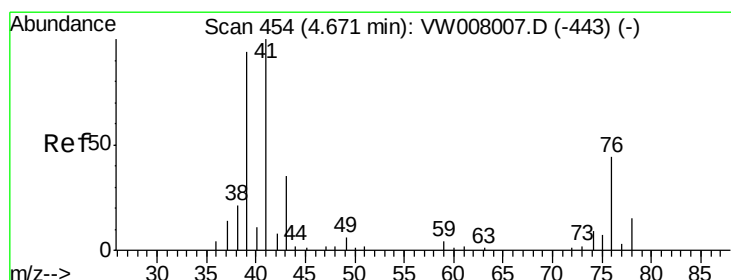
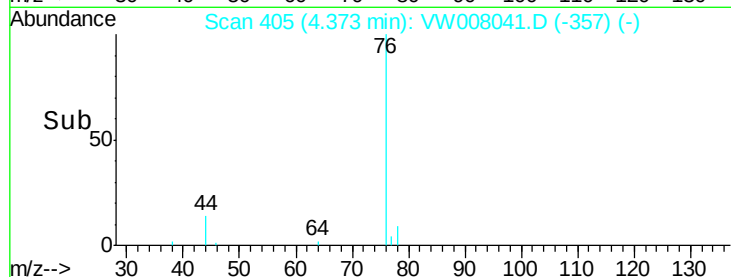
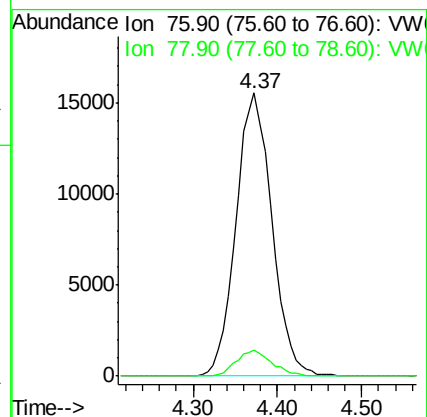
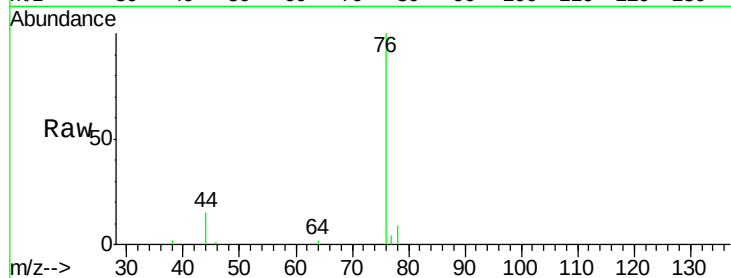
76 100

78 9.4 7.0 10.4

Manual Integrations
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#18

Methyl Acetate

Concen: 19.635 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008041.D

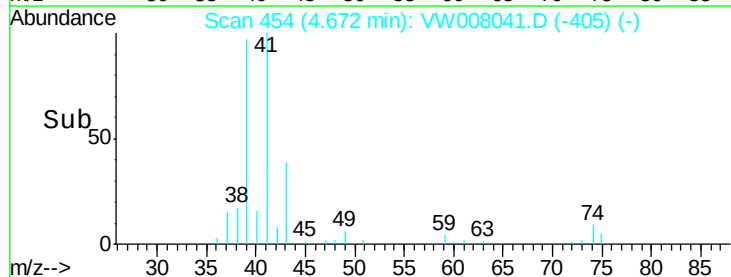
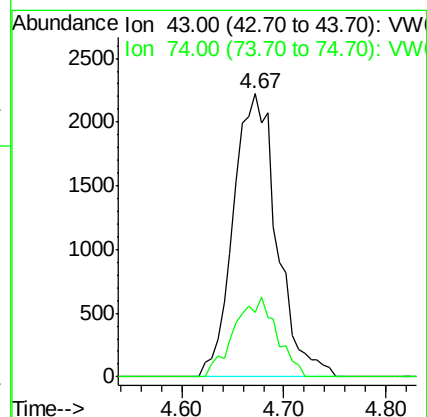
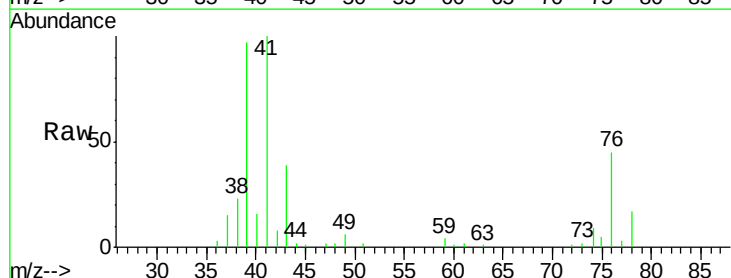
Acq: 04 Jan 2019 12:24

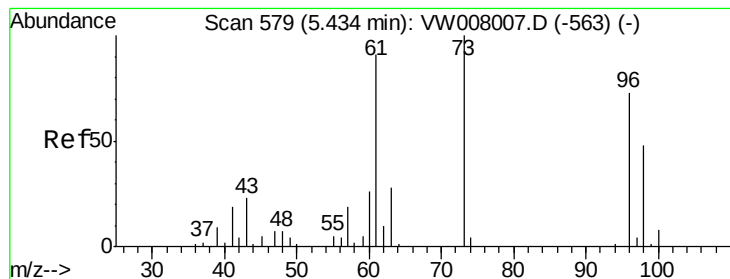
Tgt Ion: 43 Resp: 6589

Ion Ratio Lower Upper

43 100

74 27.3 21.4 32.2





#19

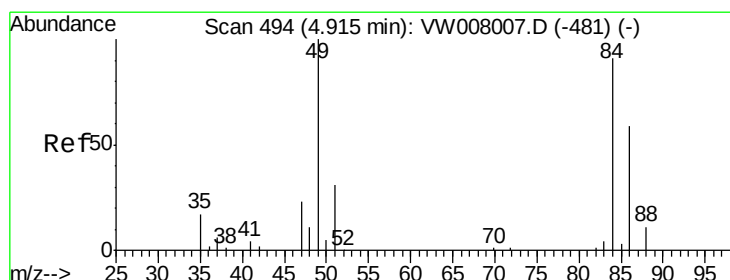
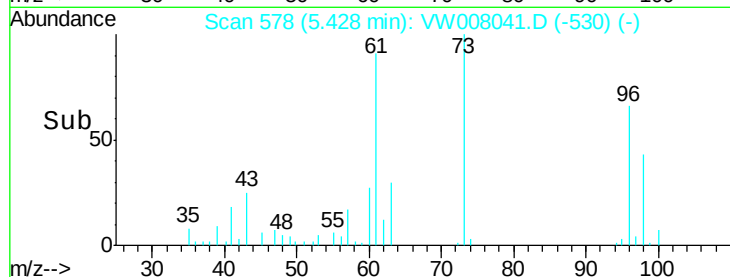
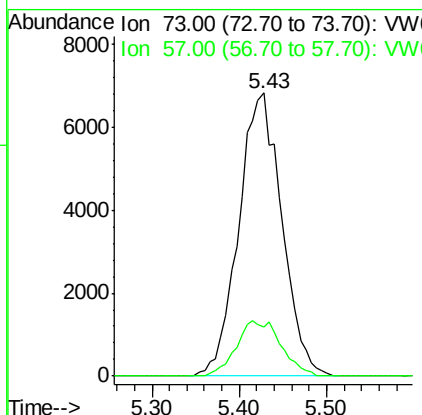
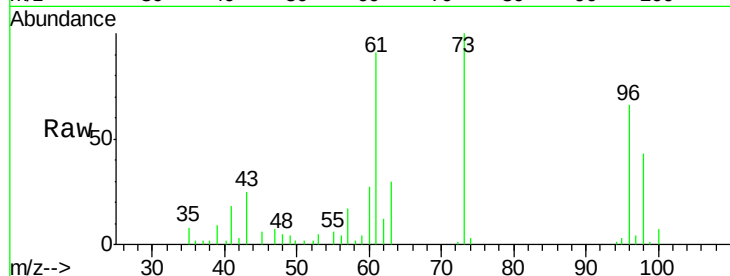
Methyl tert-butyl Ether
 Concen: 19.582 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion: 73 Resp: 23383
 Ion Ratio Lower Upper
 73 100
 57 17.3 15.4 23.0

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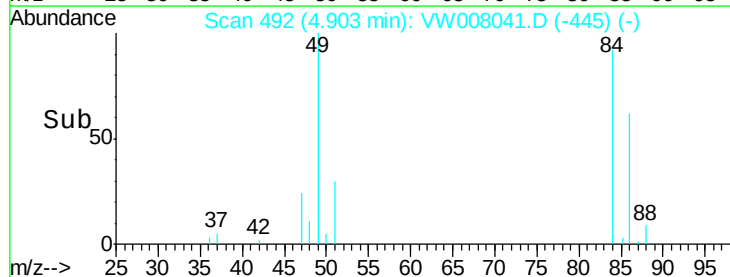
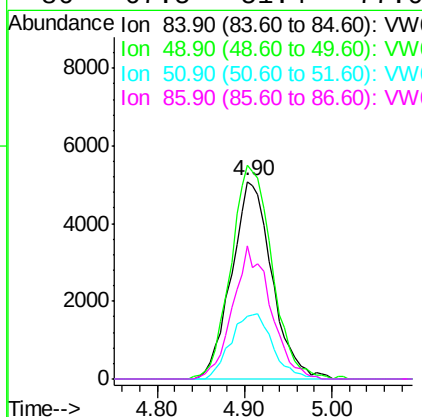
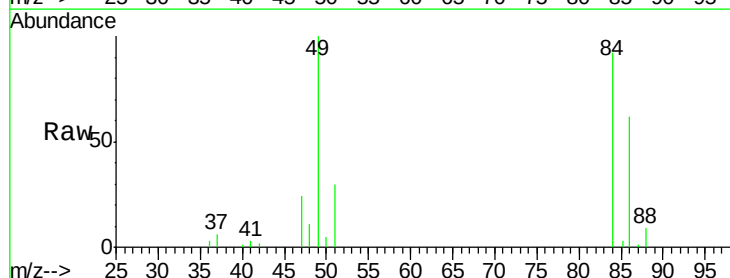
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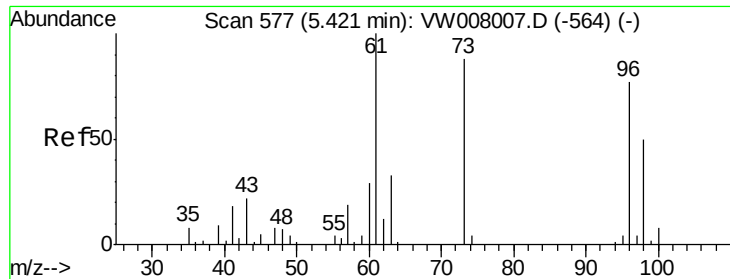


#20

Methylene Chloride
 Concen: 18.910 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion: 84 Resp: 16269
 Ion Ratio Lower Upper
 84 100
 49 108.3 87.7 131.5
 51 32.0 27.3 40.9
 86 67.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.380 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

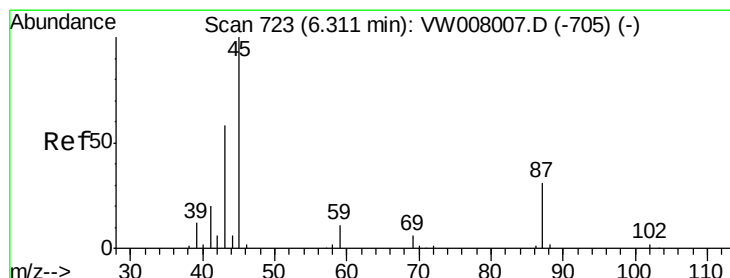
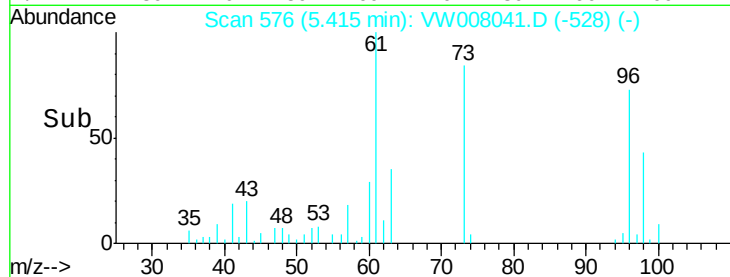
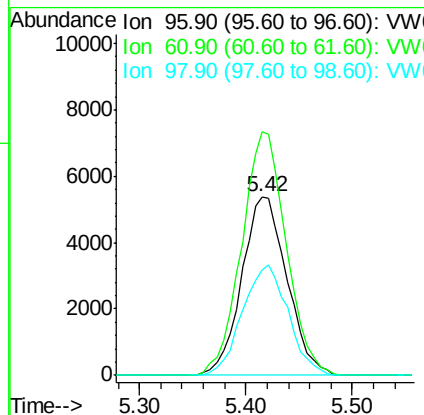
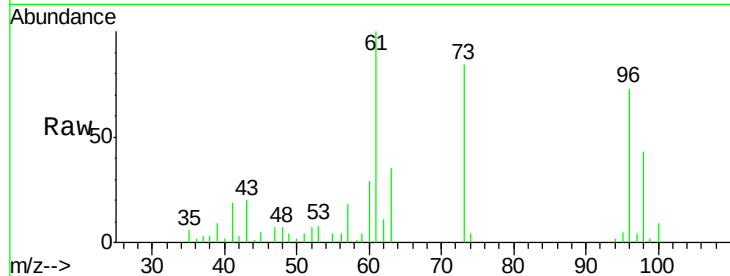
ClientSampleId :

VW0104SBS01

Tot Ion:	96	Resp:	15999
Ion	Ratio	Lower	Upper
96	100		
61	136.4	104.2	156.2
98	58.8	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.404 ug/l

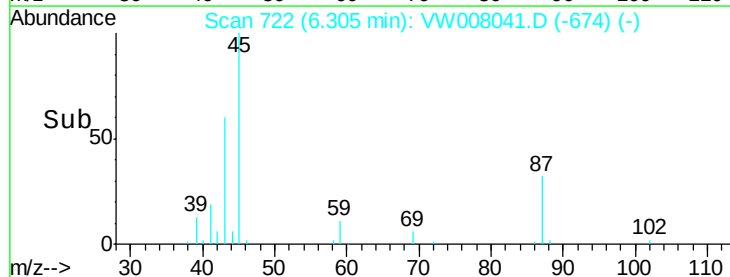
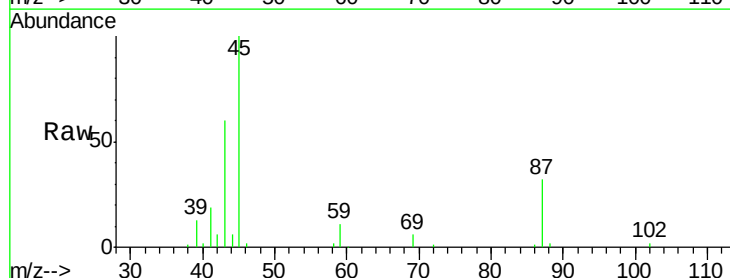
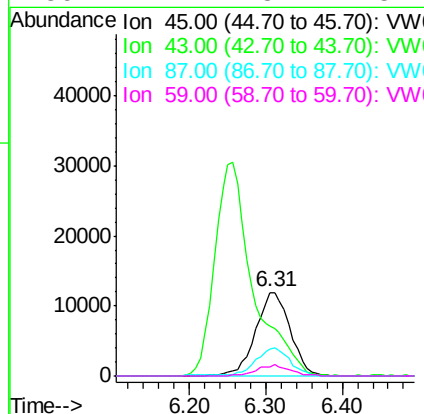
RT: 6.31 min Scan# 722

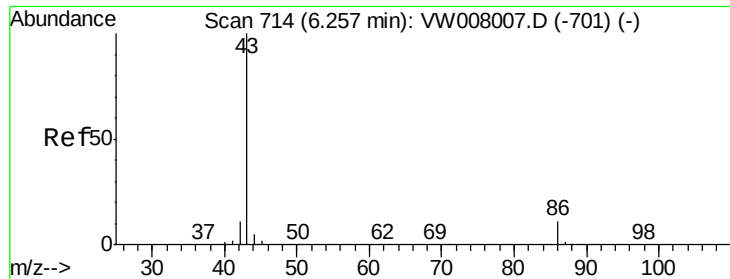
Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Tgt Ion:	45	Resp:	37647
Ion	Ratio	Lower	Upper
45	100		
43	59.4	48.1	72.1
87	32.3	25.8	38.8
59	11.4	8.7	13.1





#23

Vinyl Acetate

Concen: 102.316 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 43 Resp: 105623

Ion Ratio Lower Upper

43 100

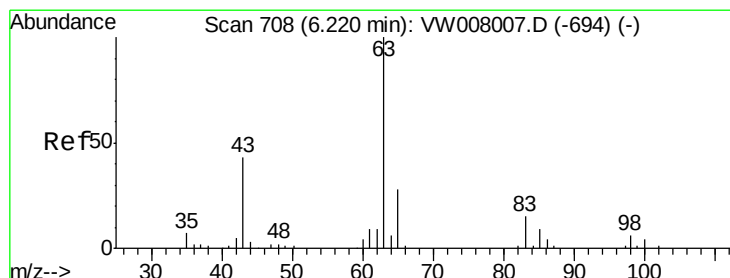
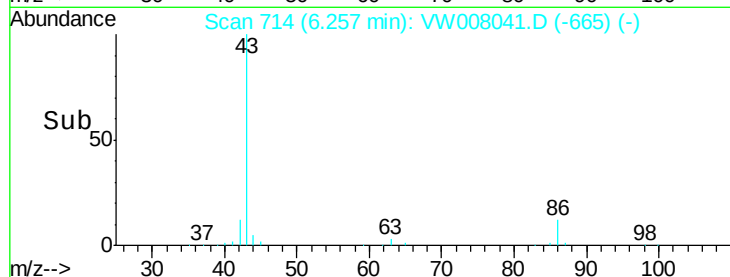
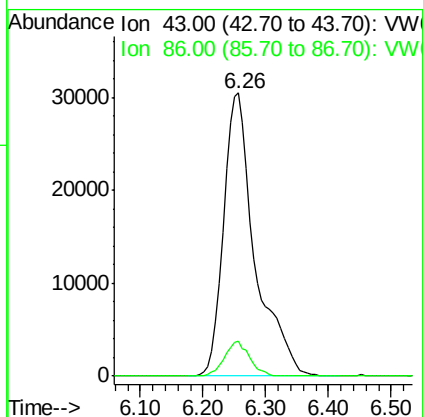
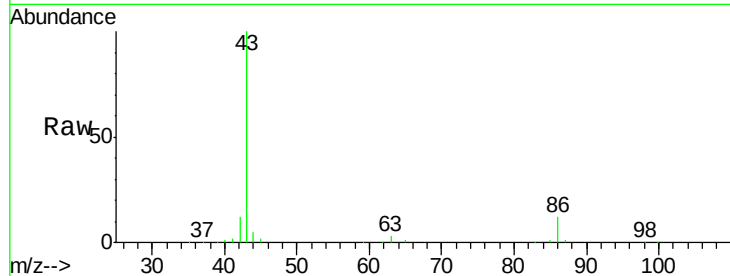
86 12.2 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.865 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

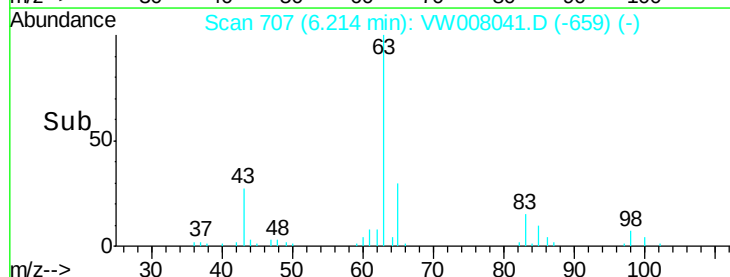
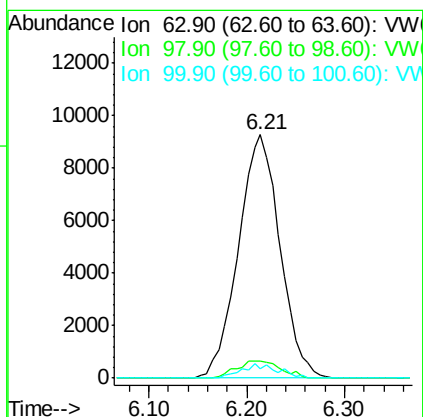
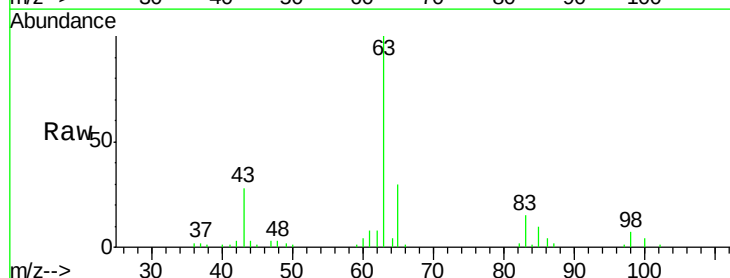
Tgt Ion: 63 Resp: 27233

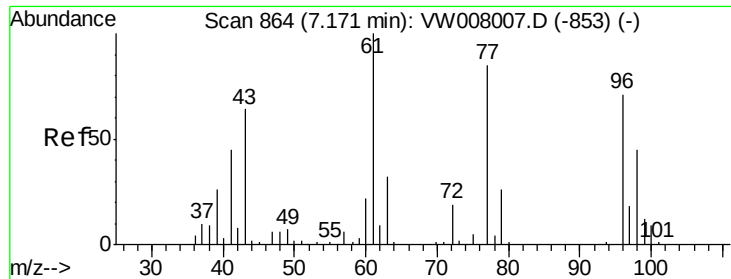
Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 3.6 2.1 6.2





#25

2-Butanone

Concen: 106.411 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 43 Resp: 16223

Ion Ratio Lower Upper

43 100

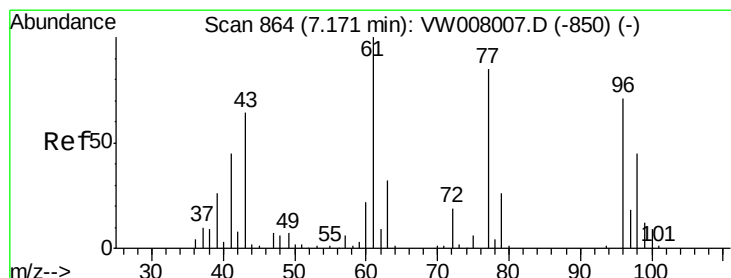
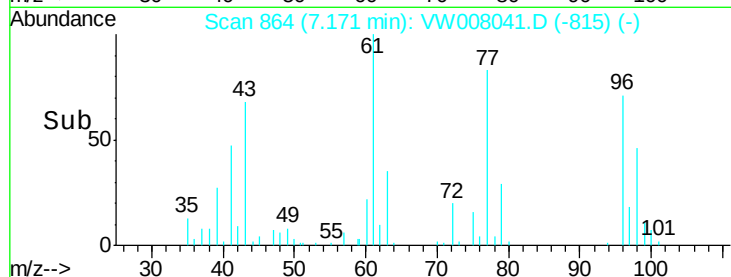
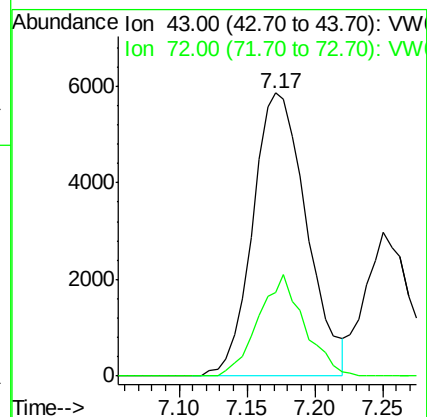
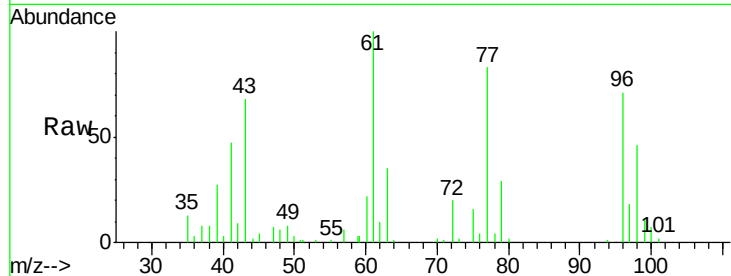
72 29.7 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.194 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW008041.D

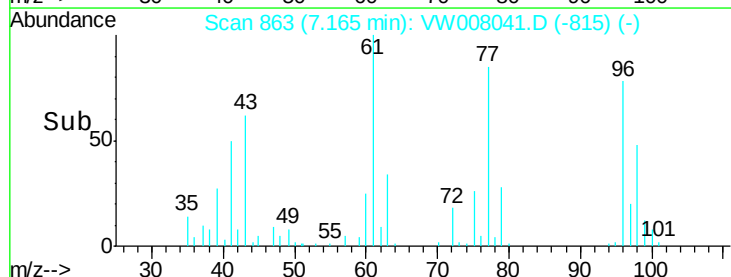
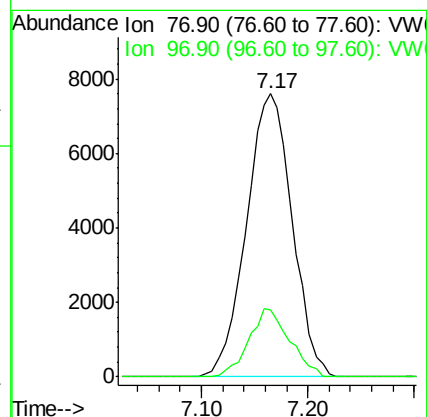
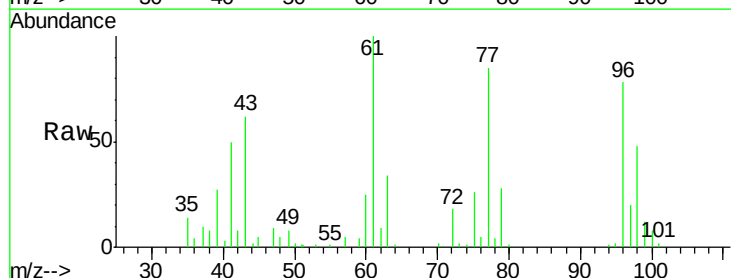
Acq: 04 Jan 2019 12:24

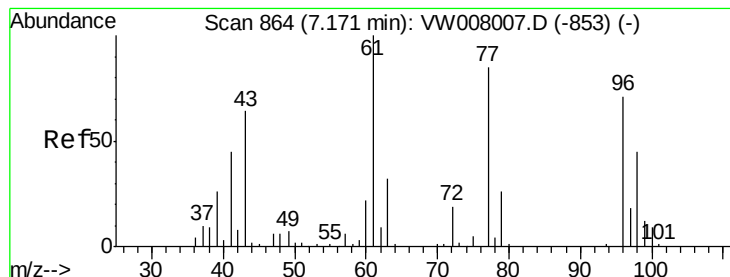
Tgt Ion: 77 Resp: 22808

Ion Ratio Lower Upper

77 100

97 21.6 11.0 33.0





#27

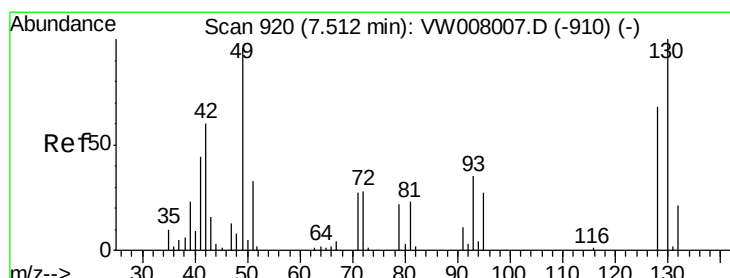
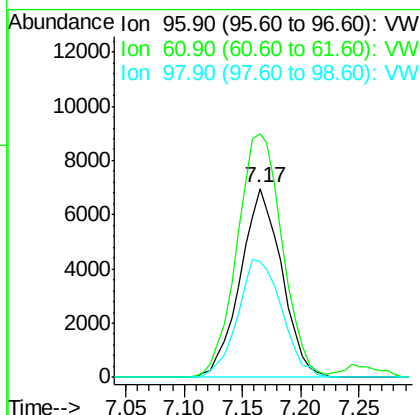
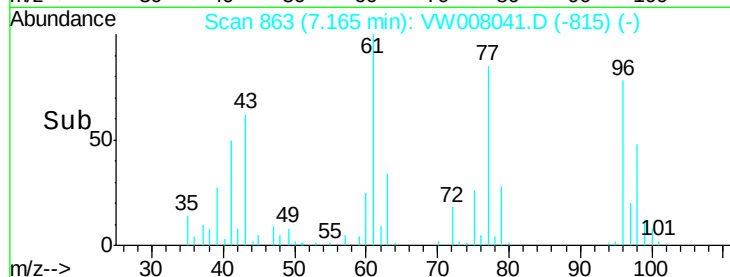
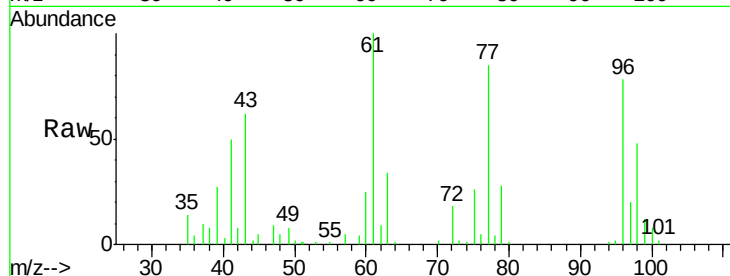
cis-1,2-Dichloroethene
Concen: 19.648 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.5	0.0	286.4
98	66.6	0.0	130.6

Manual Integrations
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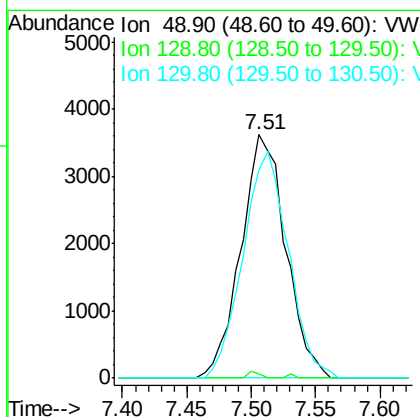
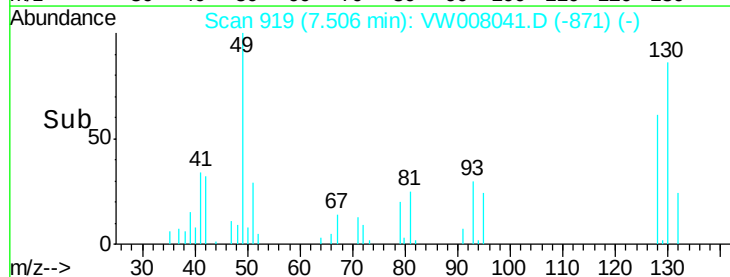
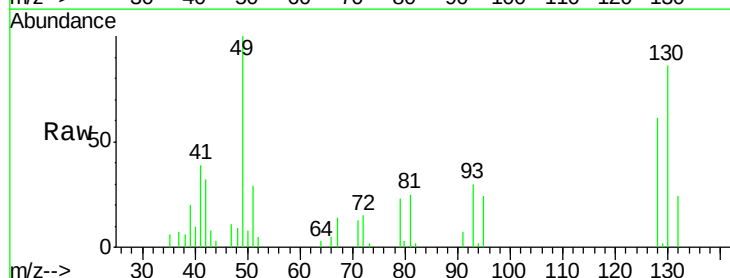
MMDadoda
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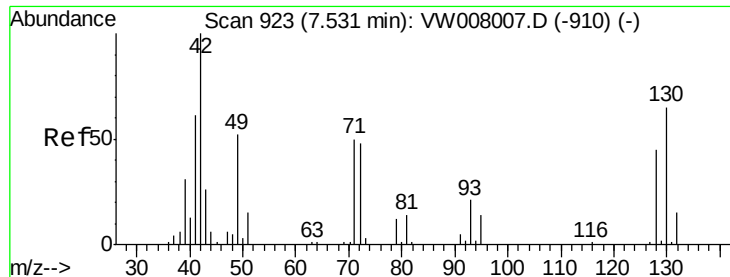


#28

Bromochloromethane
Concen: 19.783 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	0.8
130	94.2	78.5	117.7





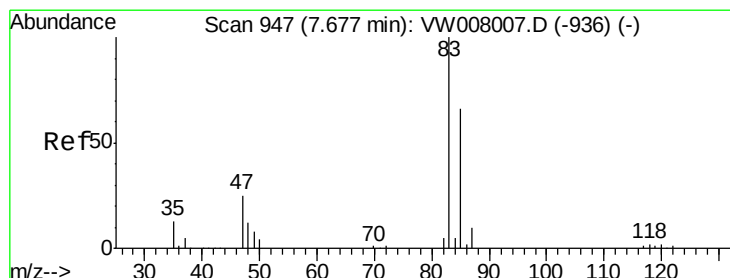
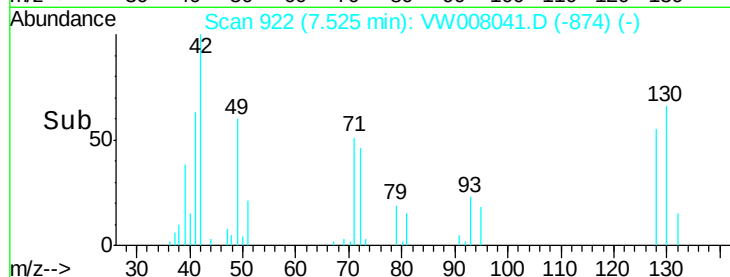
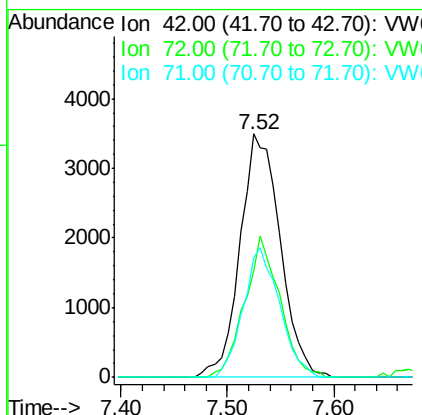
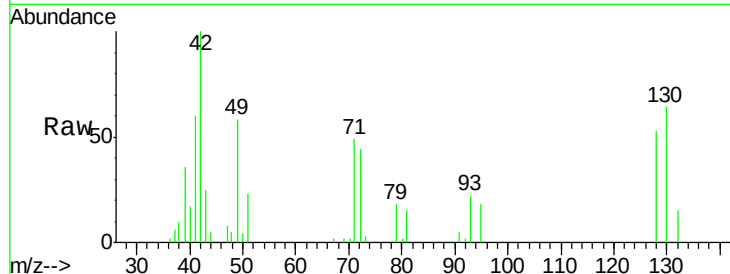
#29
Tetrahydrofuran
Concen: 97.731 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	39.0	58.6
71	48.3	39.1	58.7

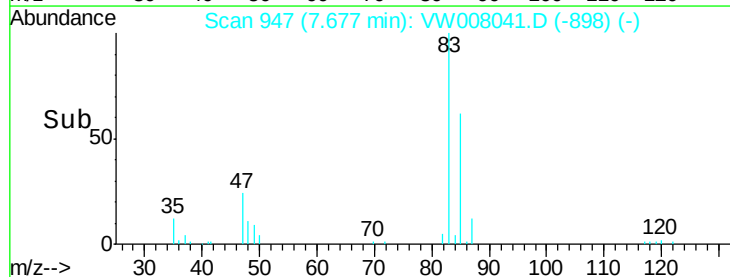
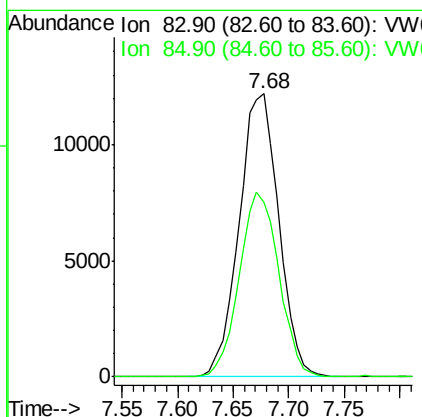
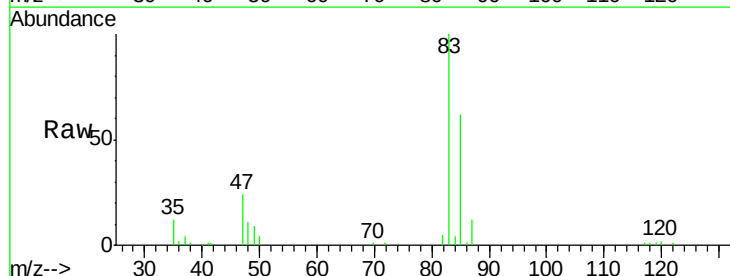
Manual Integrations
APPROVED

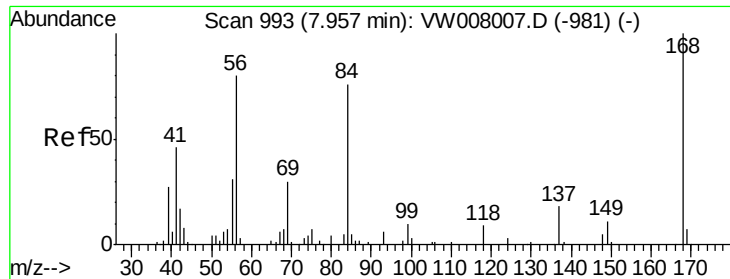
MMDadoda
1/7/2019 1:22:45 PM



#30
Chloroform
Concen: 19.713 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	52.7	79.1





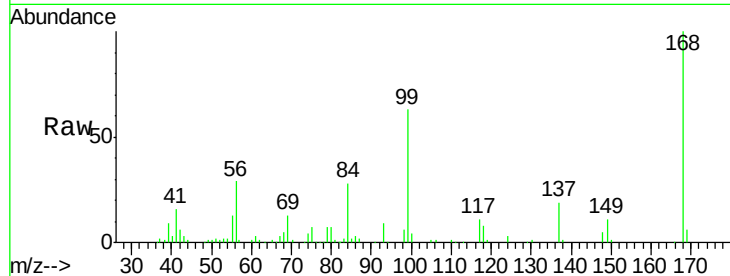
#31
Cyclohexane
Concen: 19.787 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.2	29.8	44.6
84	93.4	75.2	112.8

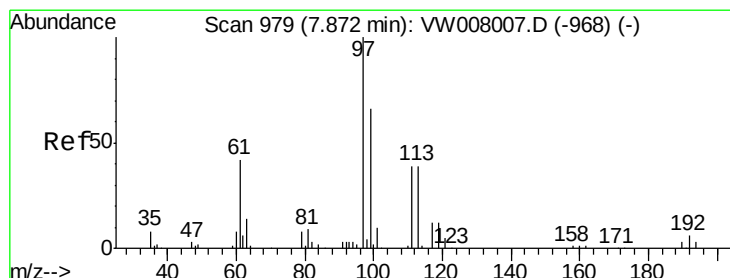
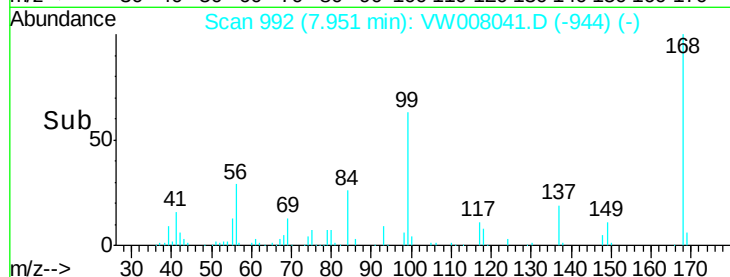
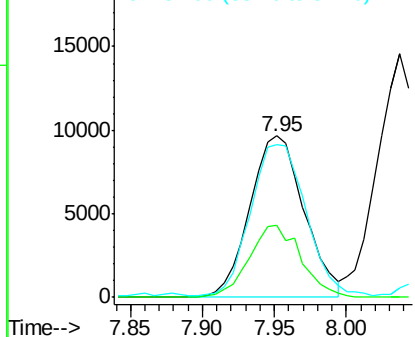
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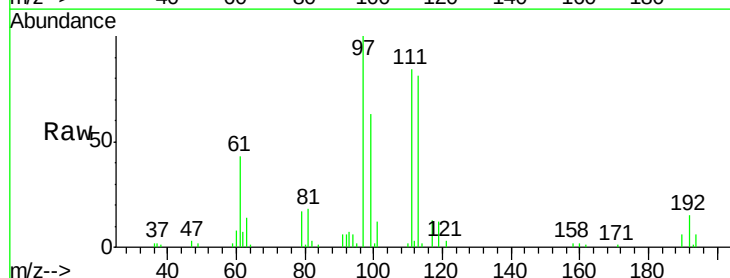
Abundance

Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



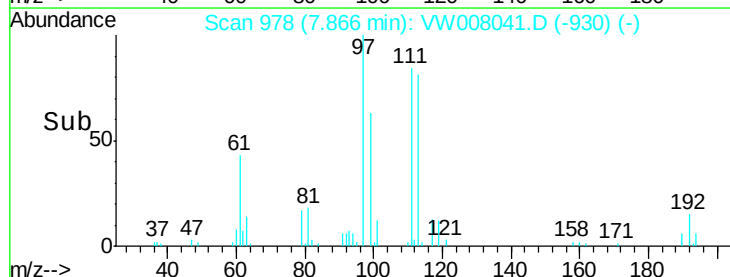
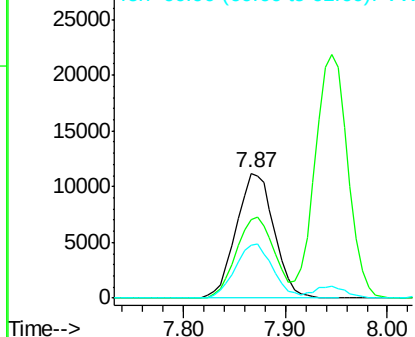
#32
1,1,1-Trichloroethane
Concen: 19.685 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

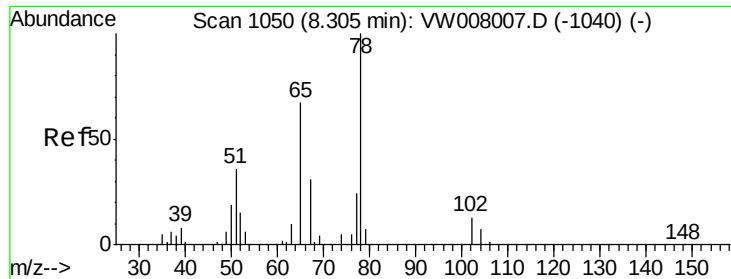
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	42.9	33.4	50.0



Abundance

Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





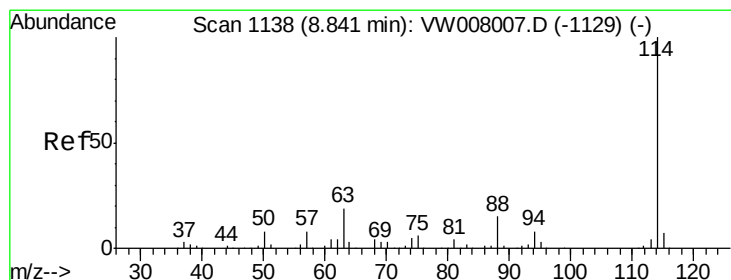
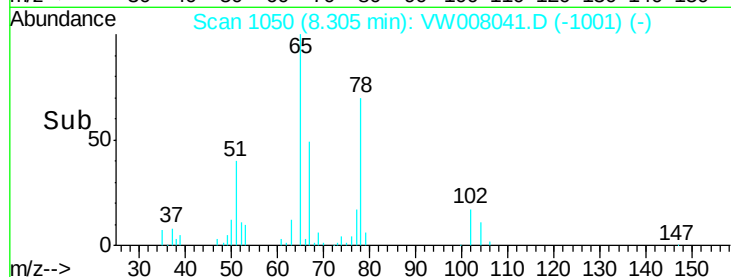
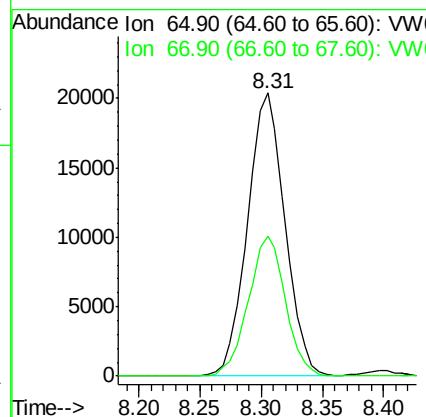
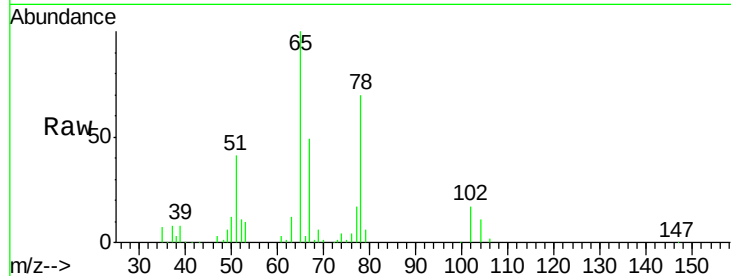
#33
 1,2-Dichloroethane-d4
 Concen: 51.969 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	94.8

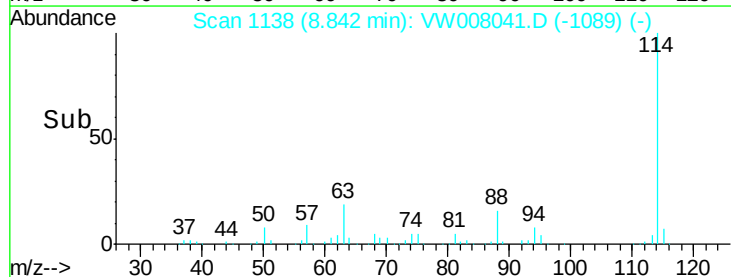
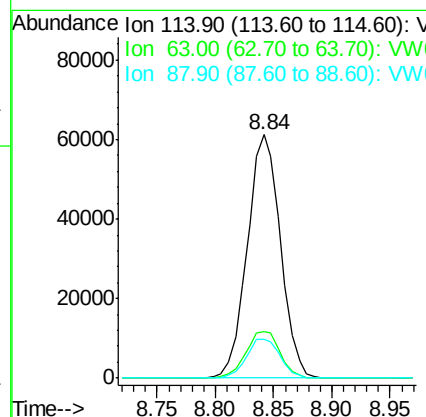
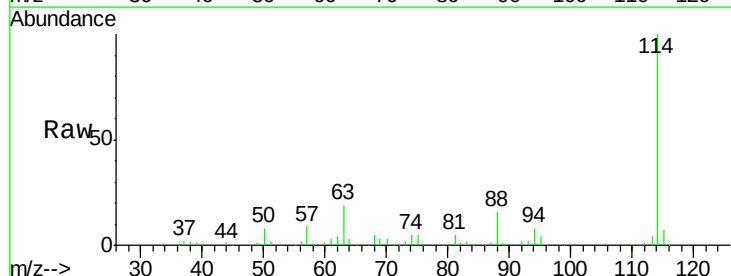
Manual Integrations
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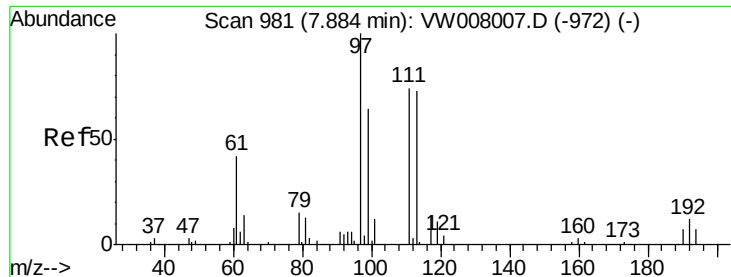
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	37.8
88	15.9	0.0	31.0





#35

Dibromofluoromethane

Concen: 50.632 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

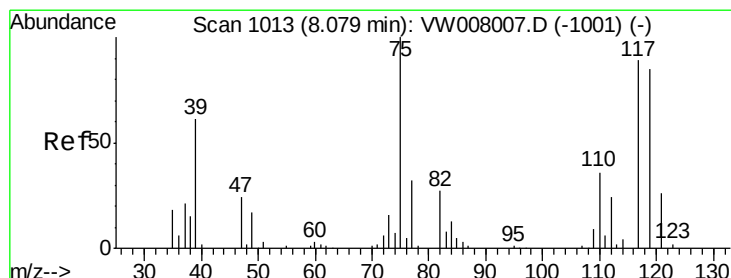
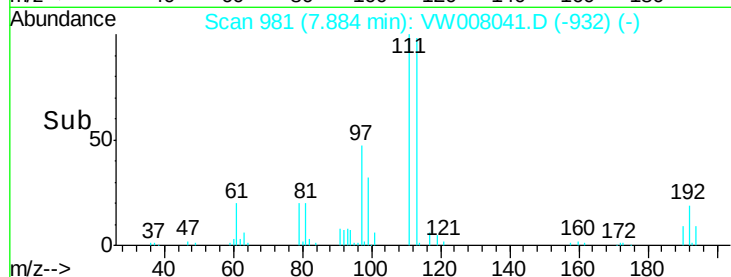
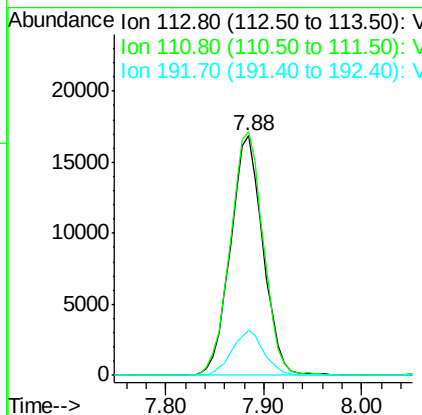
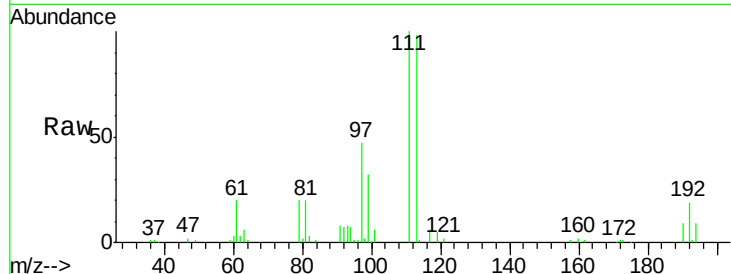
ClientSampleId :

VW0104SBS01

Tot Ion:	113	Resp:	38736
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.4	122.0
192	18.2	14.8	22.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.889 ug/l

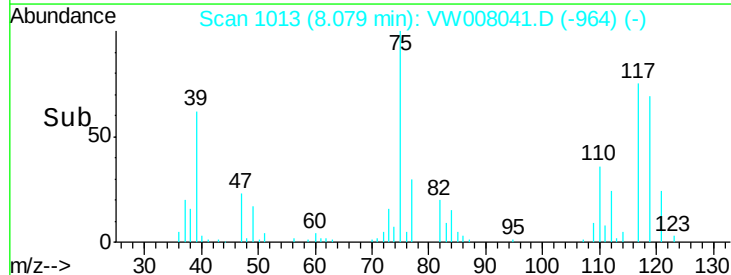
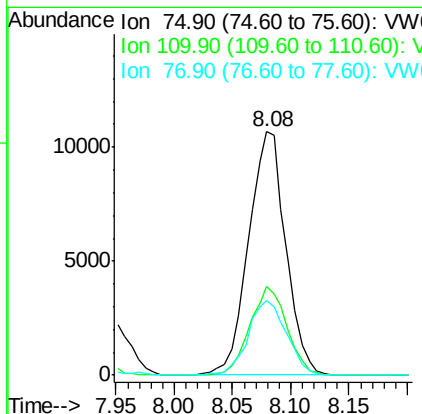
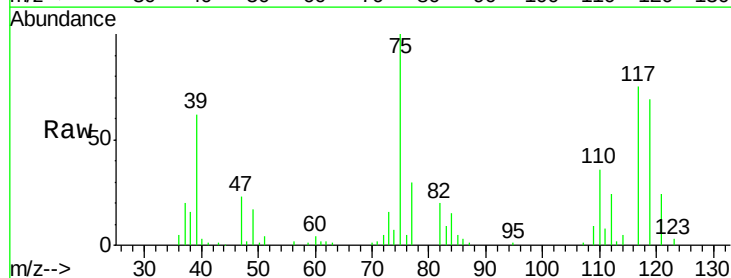
RT: 8.08 min Scan# 1013

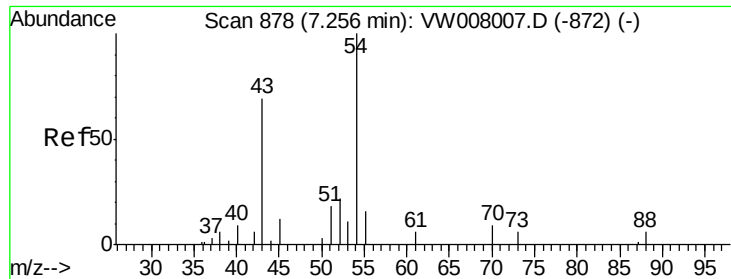
Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Tgt Ion:	75	Resp:	23810
Ion	Ratio	Lower	Upper
75	100		
110	36.1	18.1	54.3
77	31.5	25.3	37.9





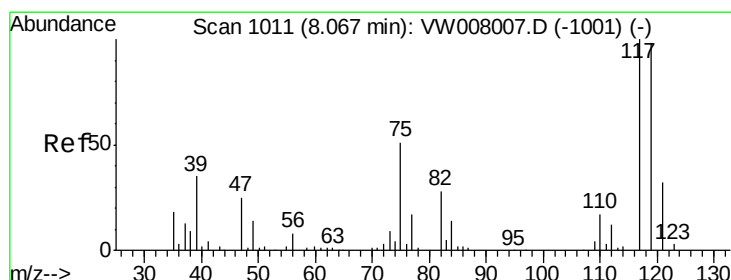
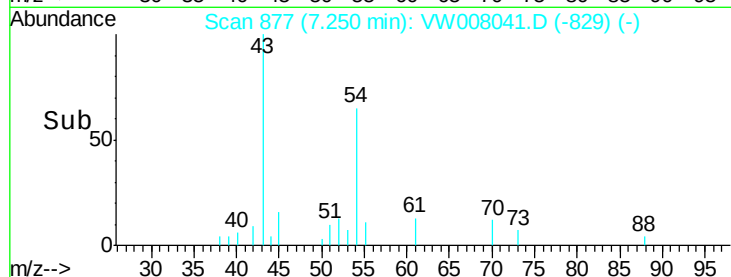
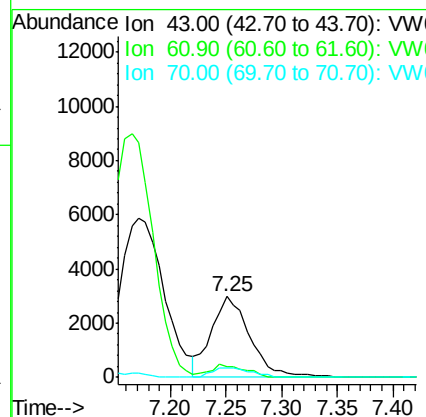
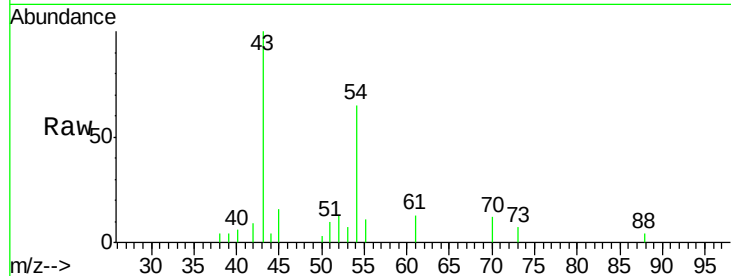
#37
Ethyl Acetate
Concen: 20.067 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.4	17.2
70	11.8	9.4	14.0

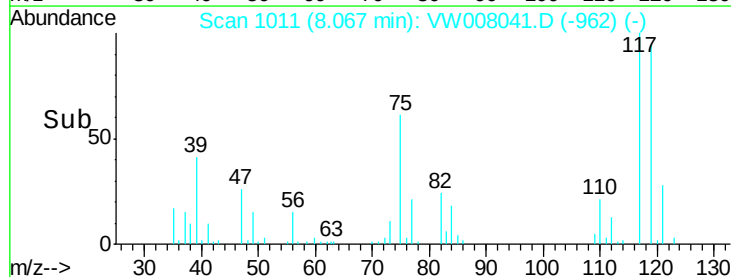
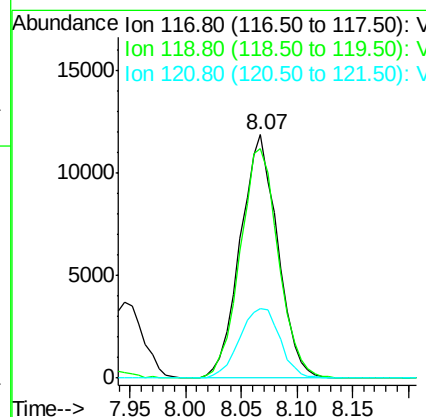
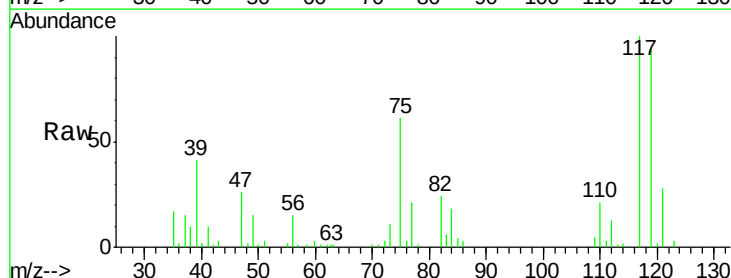
Manual Integrations
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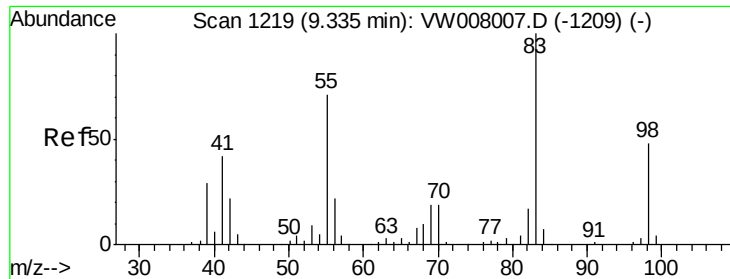
MMDadoda
1/7/2019 1:22:45 PM



#38
Carbon Tetrachloride
Concen: 19.253 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	78.7	118.1
121	28.4	25.8	38.8





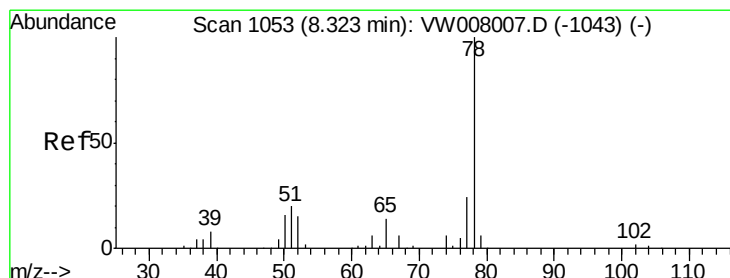
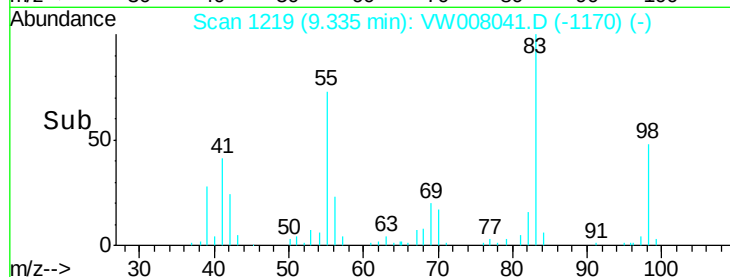
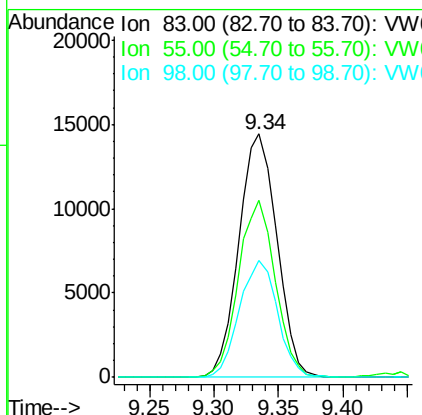
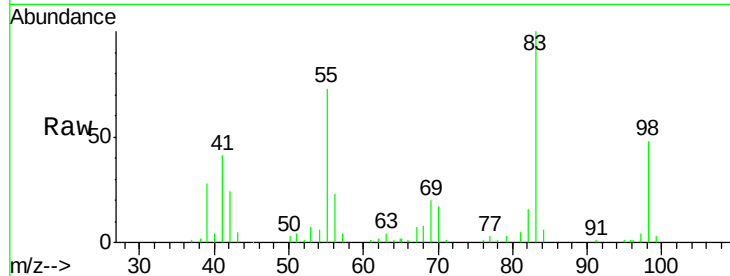
#39
Methylvlcyclohexane
Concen: 19.860 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.7	56.8	85.2
98	47.9	38.6	58.0

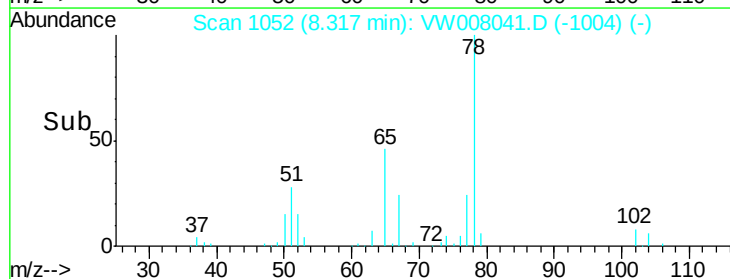
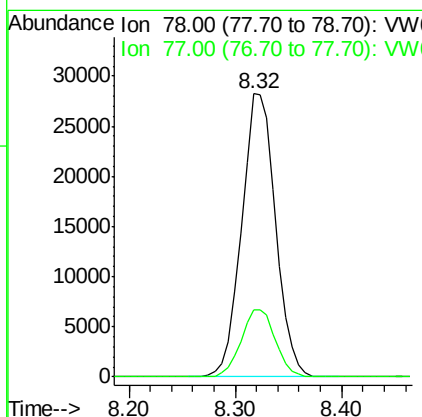
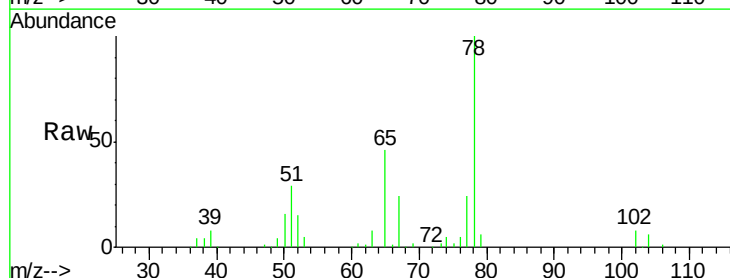
Manual Integrations
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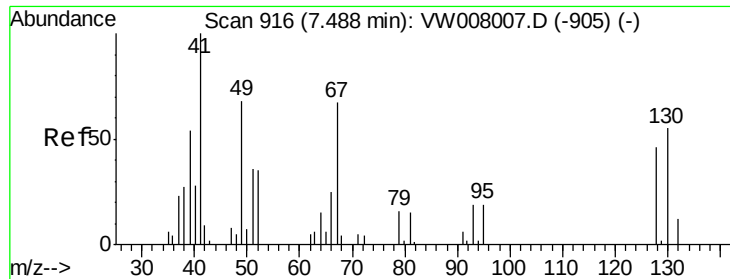
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#40
Benzene
Concen: 19.975 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41

Methacrylonitrile

Concen: 22.972 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 41 Resp: 4857

Ion Ratio Lower Upper

41 100

39 58.3 48.6 72.8

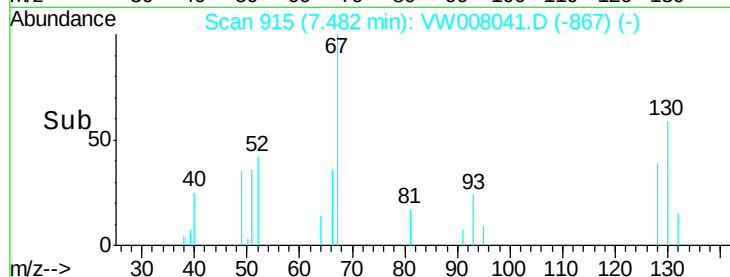
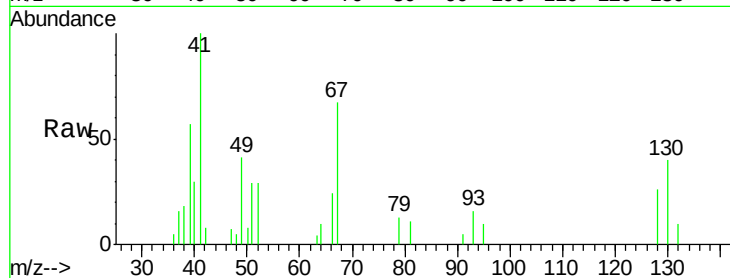
67 68.8 55.6 83.4

52 28.2 25.9 38.9

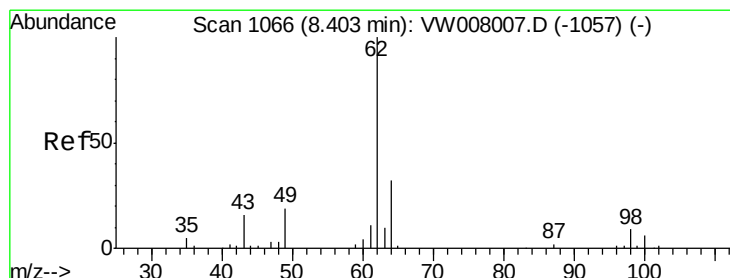
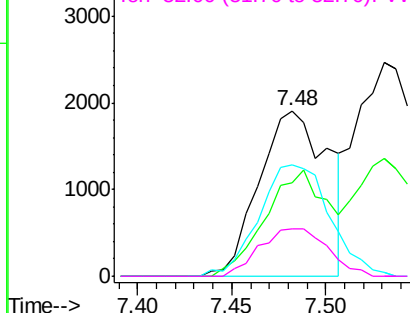
Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 18.999 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW008041.D

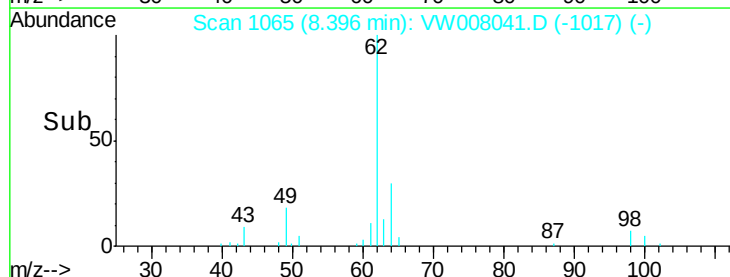
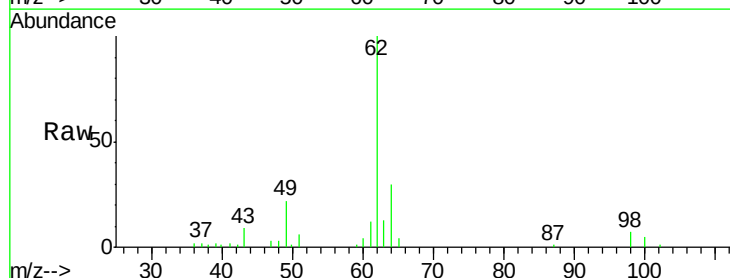
Acq: 04 Jan 2019 12:24

Tgt Ion: 62 Resp: 19992

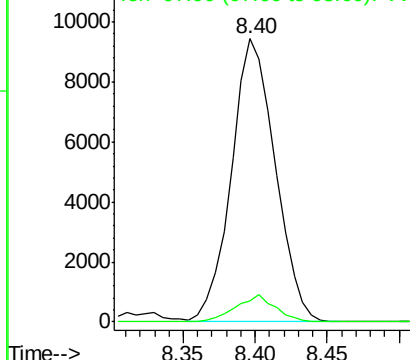
Ion Ratio Lower Upper

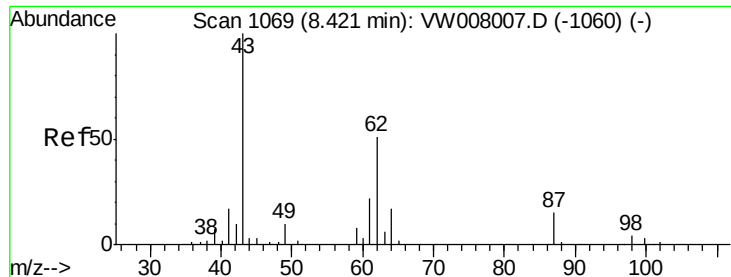
62 100

98 8.6 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 20.384 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

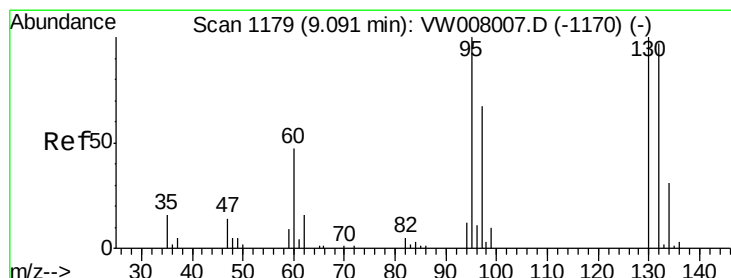
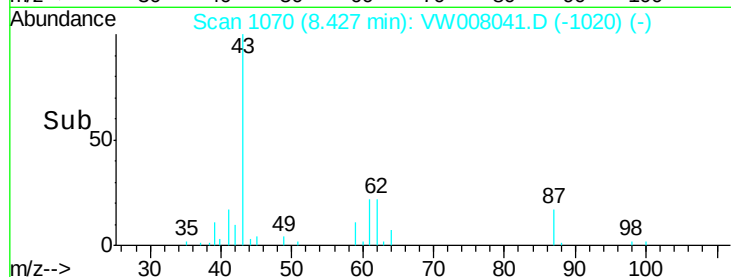
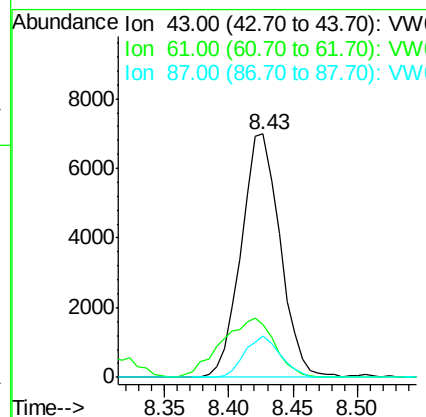
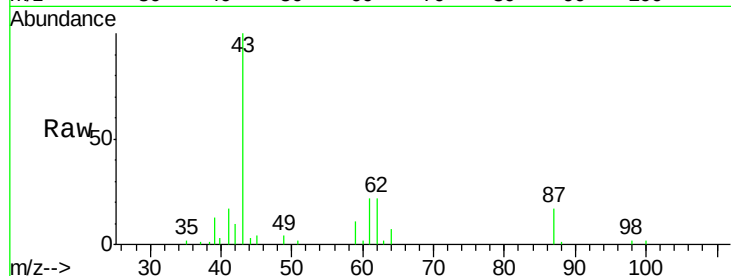
ClientSampleId :

VW0104SBS01

Tot Ion:	43	Resp:	14646
Ion	Ratio	Lower	Upper
43	100		
61	33.3	26.4	39.6
87	15.4	12.0	18.0

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#44

Trichloroethene

Concen: 19.585 ug/l

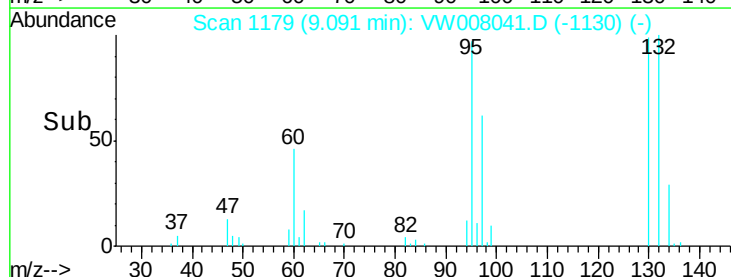
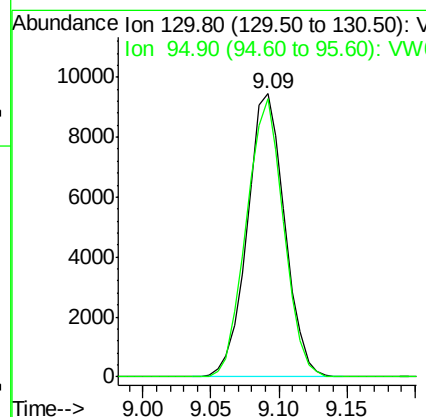
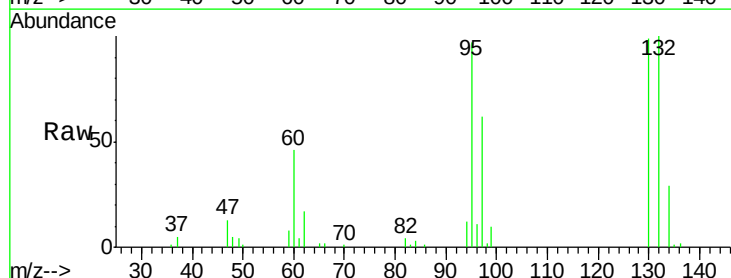
RT: 9.09 min Scan# 1179

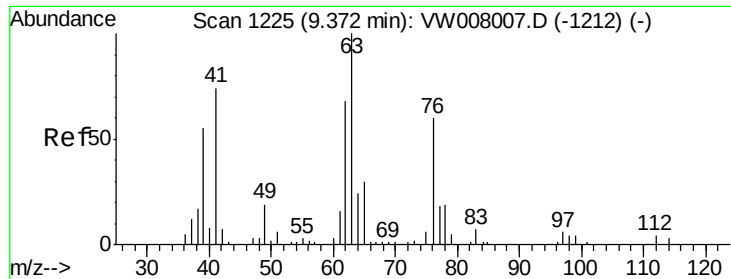
Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Tgt Ion:	130	Resp:	18252
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	200.0





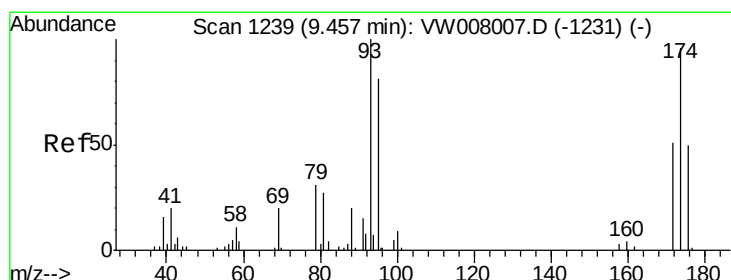
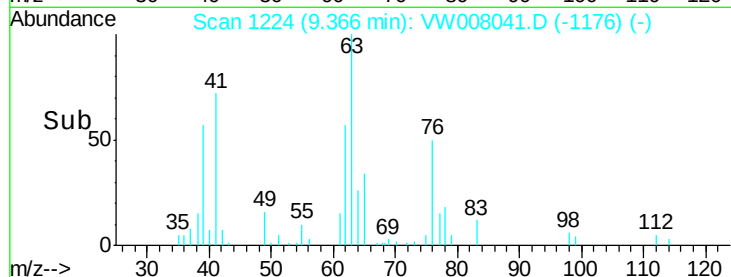
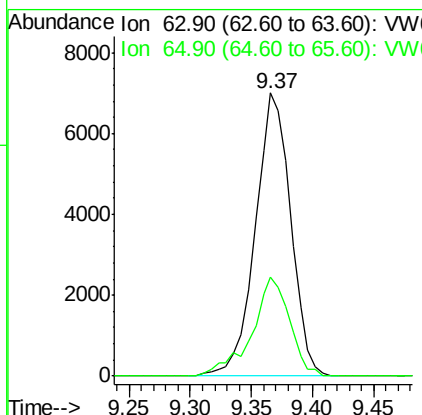
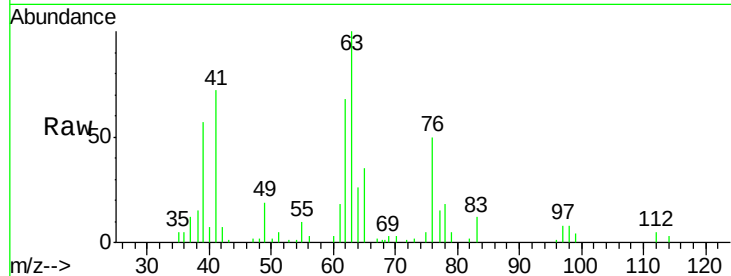
#45
 1,2-Dichloropropane
 Concen: 20.636 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampled :
 VW0104SBS01

Tot Ion: 63 Resp: 14107
 Ion Ratio Lower Upper
 63 100
 65 35.1 24.2 36.4

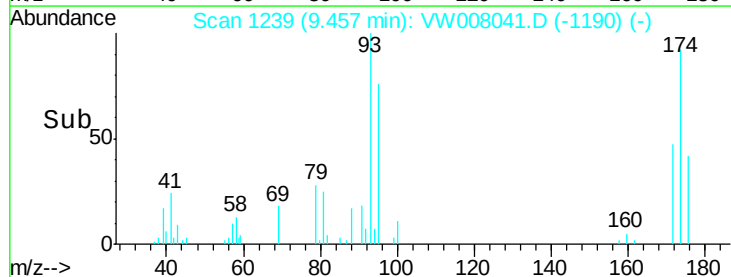
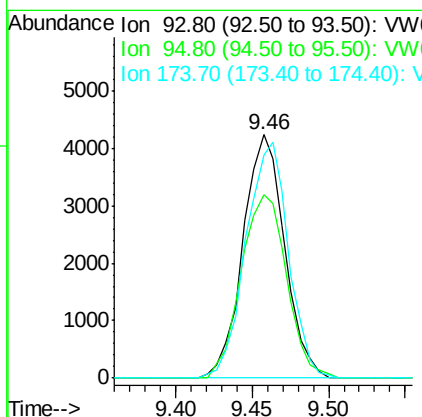
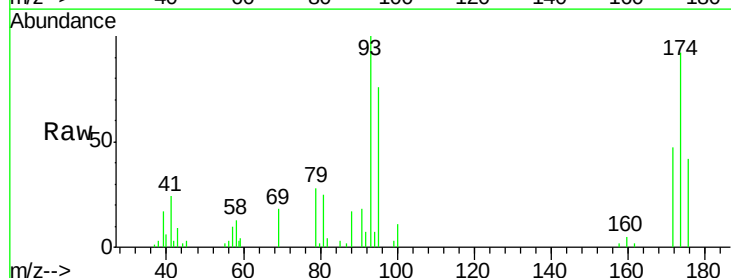
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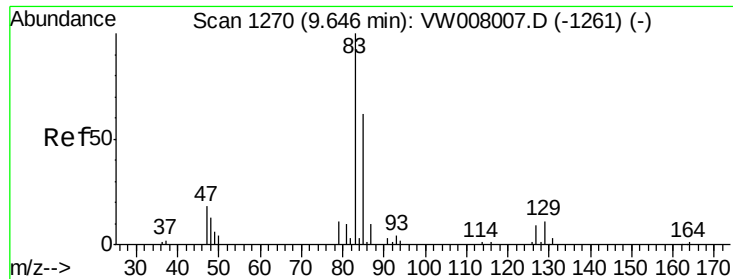
MMDadoda
 1/7/2019 1:22:45 PM



#46
 Dibromomethane
 Concen: 20.024 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion: 93 Resp: 8003
 Ion Ratio Lower Upper
 93 100
 95 82.5 63.9 95.9
 174 99.5 79.0 118.6





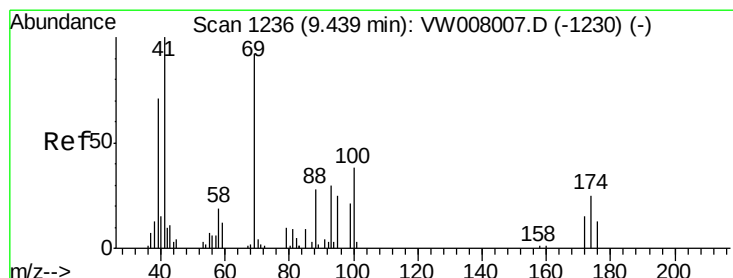
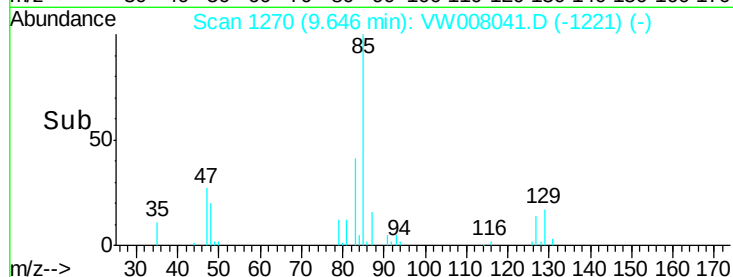
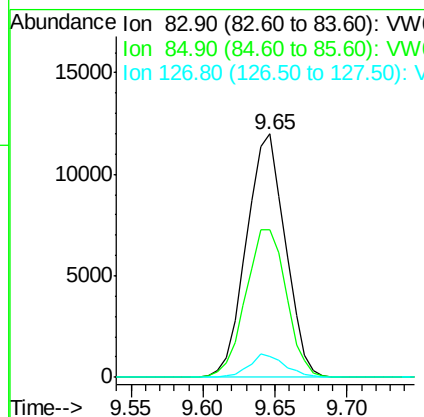
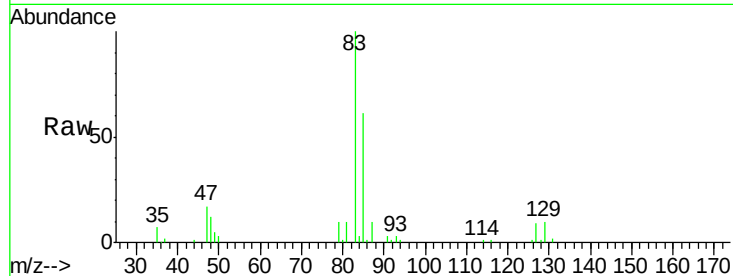
#47
Bromodichloromethane
Concen: 20.007 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.8	49.5	74.3
127	8.7	7.5	11.3

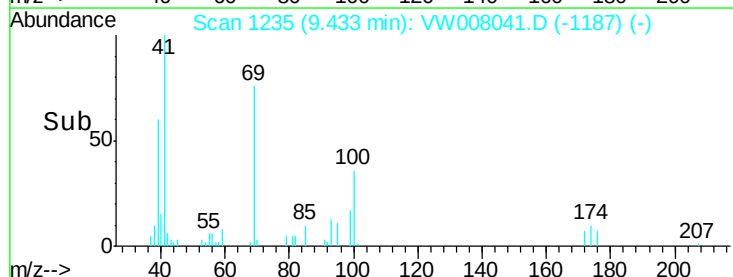
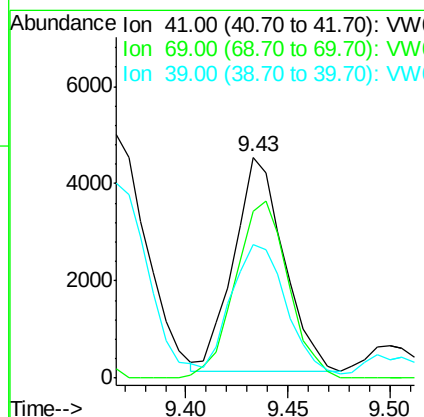
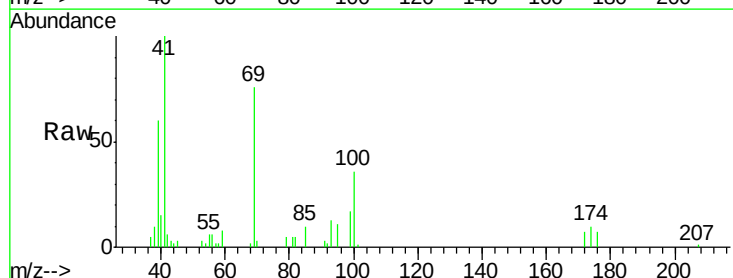
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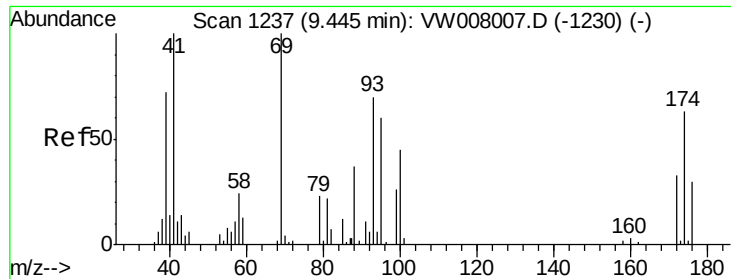
MMDadoda
1/7/2019 1:22:45 PM



#48
Methyl methacrylate
Concen: 20.810 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.4	72.3	108.5
39	65.6	58.7	88.1





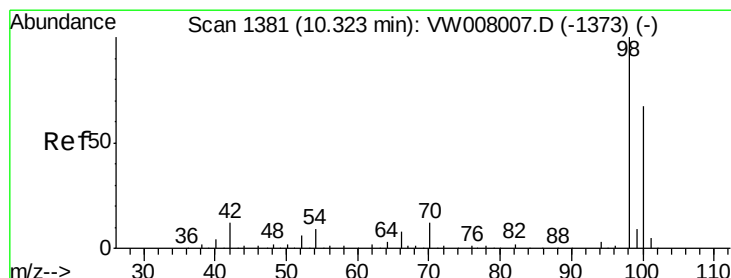
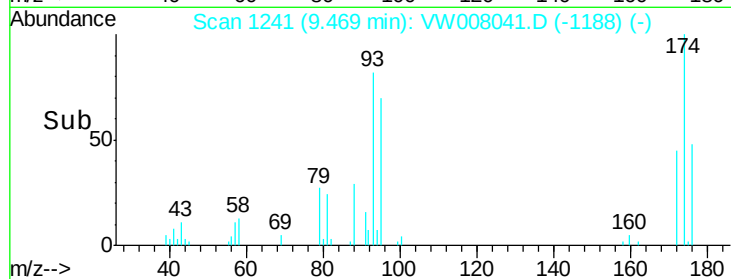
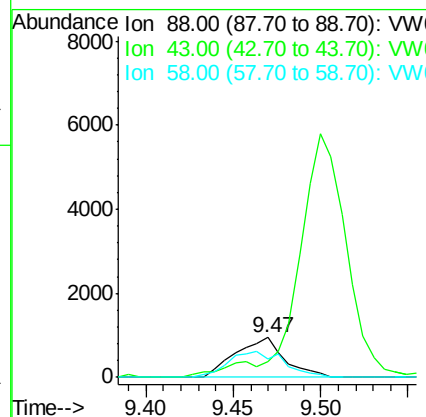
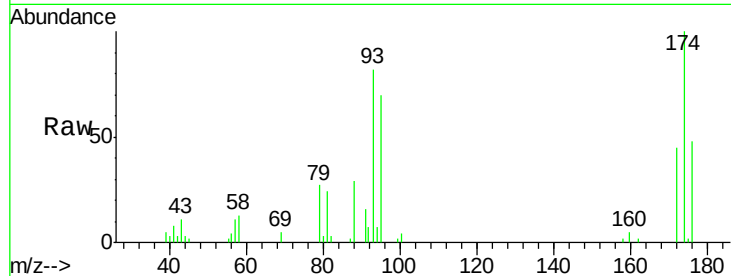
#49
1,4-Dioxane
Concen: 309.574 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	26.8	40.2#
58	75.2	55.8	83.6

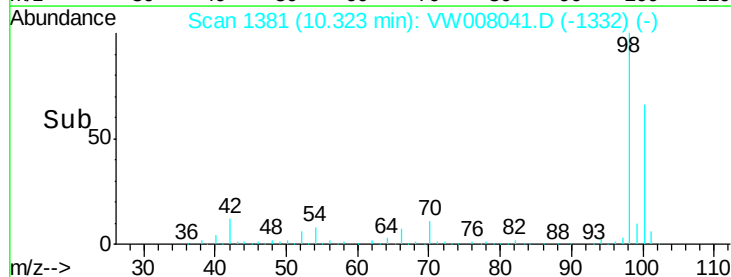
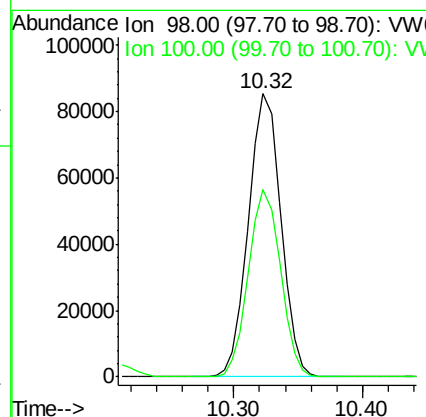
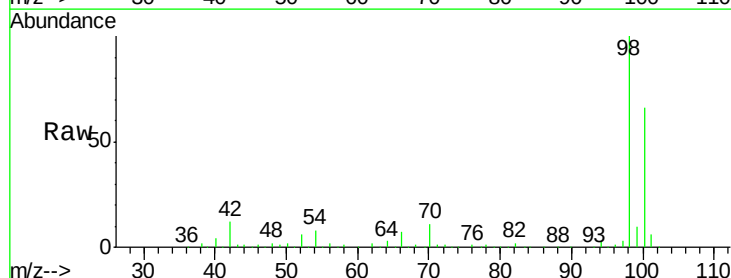
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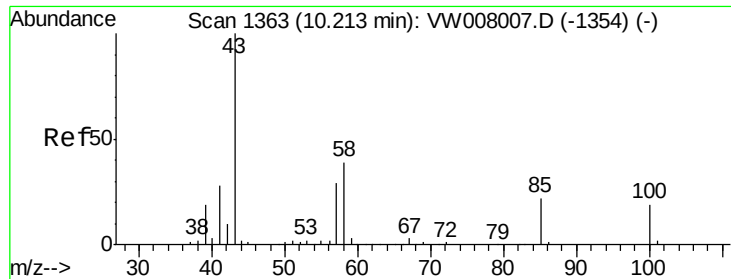
MMDadoda
1/7/2019 1:22:45 PM



#50
Toluene-d8
Concen: 51.937 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.9	79.3





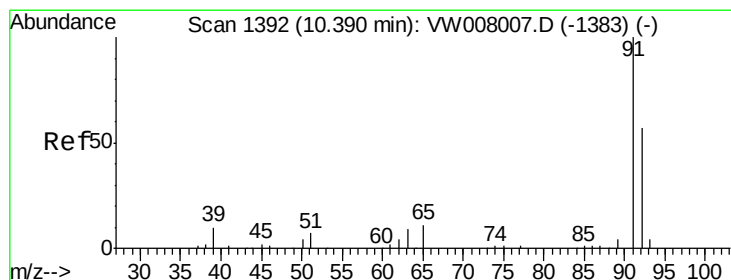
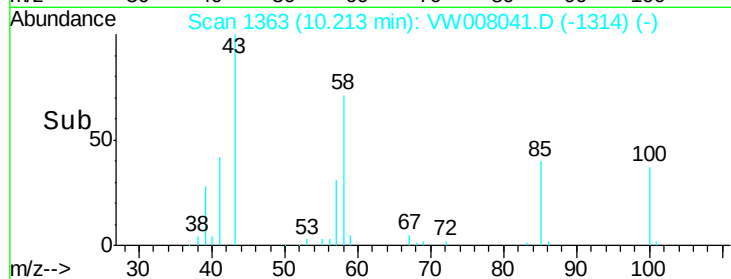
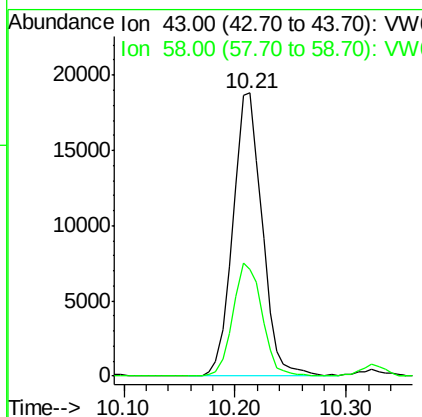
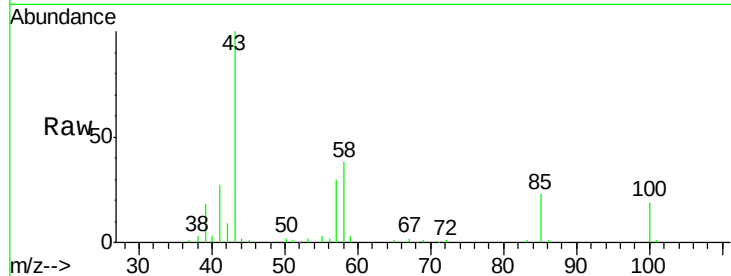
#51
4-Methyl-2-Pentanone
Concen: 103.185 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion: 43 Resp: 34318
Ion Ratio Lower Upper
43 100
58 39.5 32.0 48.0

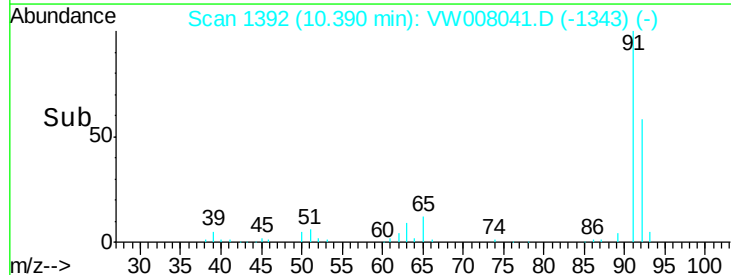
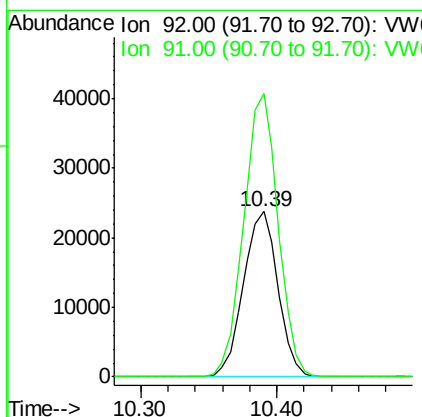
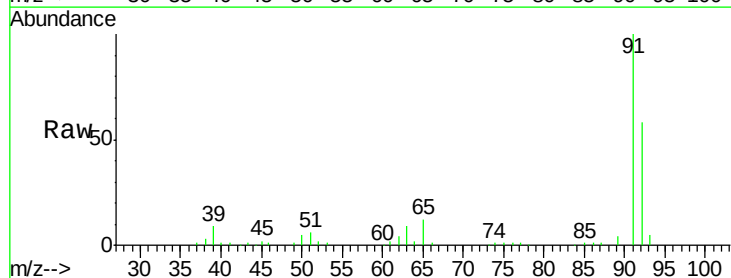
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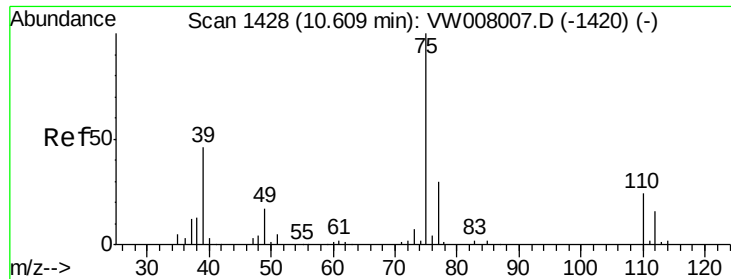
MMDadoda
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#52
Toluene
Concen: 20.262 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion: 92 Resp: 42245
Ion Ratio Lower Upper
92 100
91 170.4 136.9 205.3





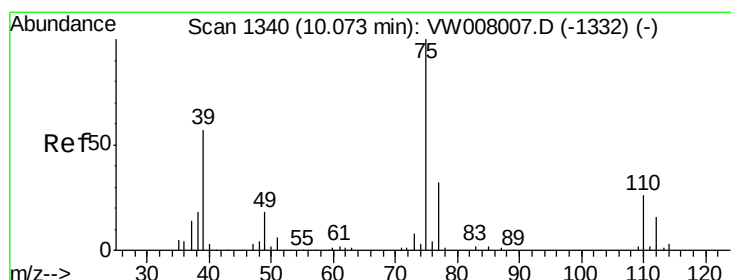
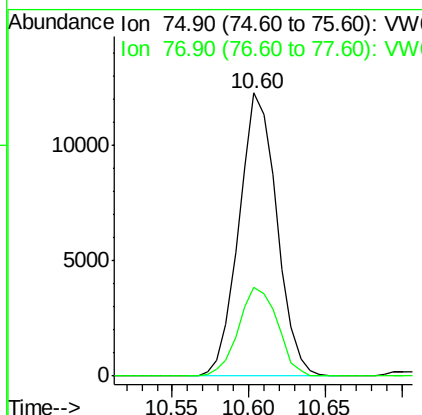
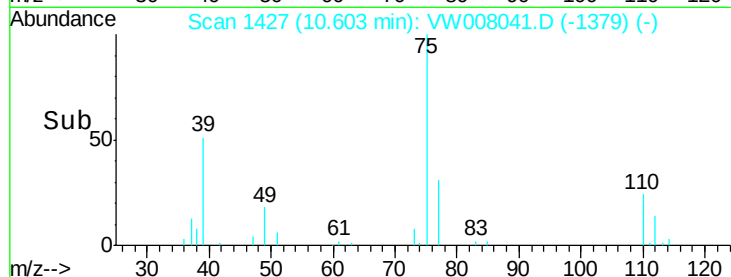
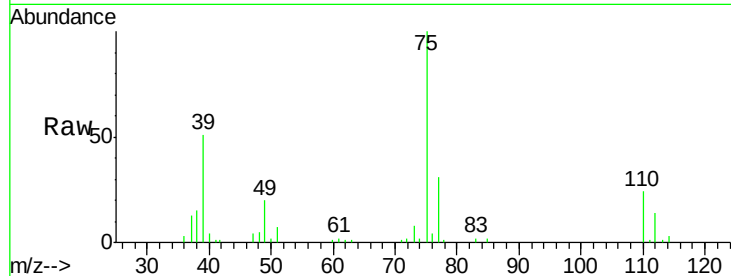
#53
 t-1,3-Dichloropropene
 Concen: 19.555 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion: 75 Resp: 21050
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.0 36.0

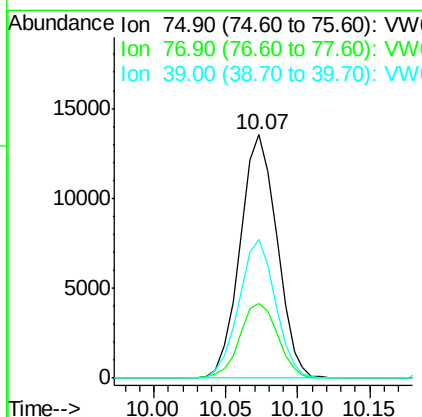
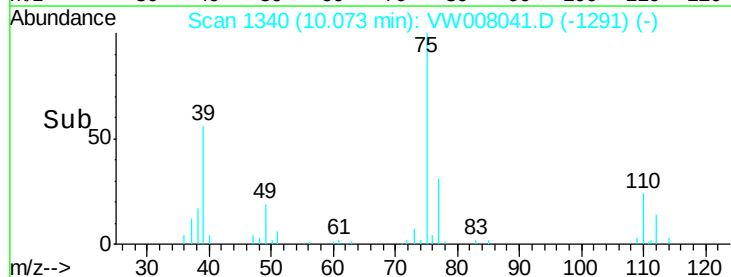
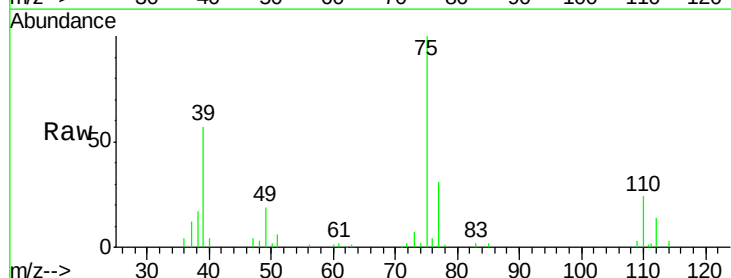
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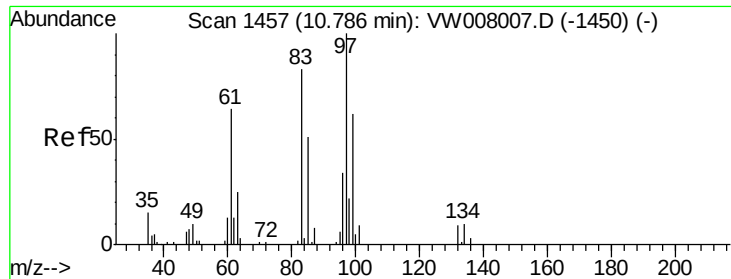
MMDadoda
 1/7/2019 1:22:45 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.986 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion: 75 Resp: 24007
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.9 38.9
 39 56.9 45.4 68.0





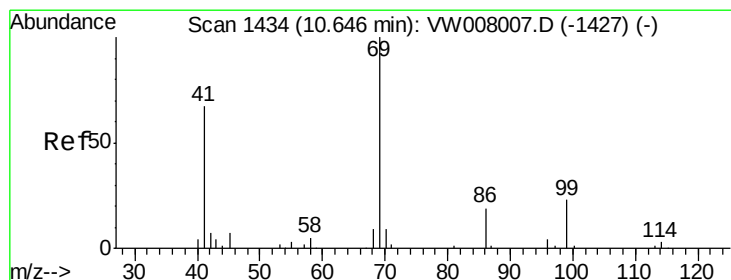
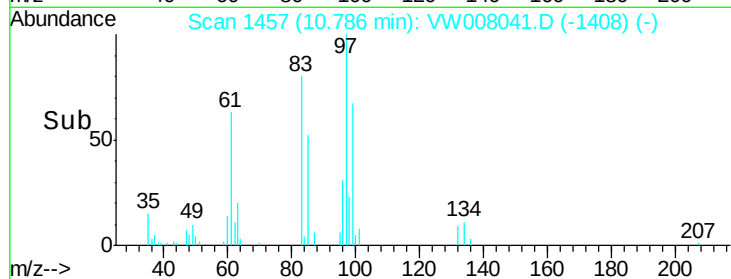
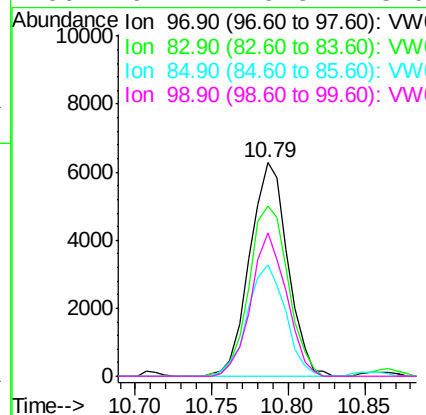
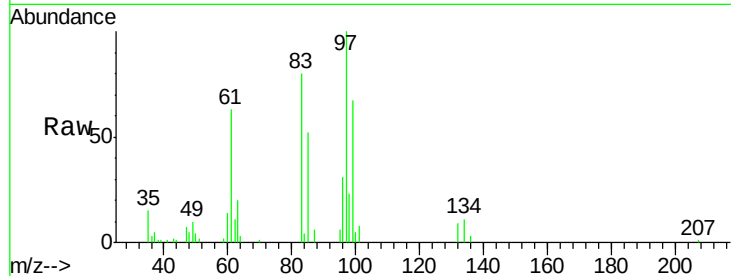
#55
 1,1,2-Trichloroethane
 Concen: 19.991 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion:	97	Resp:	10818
Ion	Ratio	Lower	Upper
97	100		
83	79.7	66.2	99.2
85	52.0	41.0	61.4
99	67.2	49.3	73.9

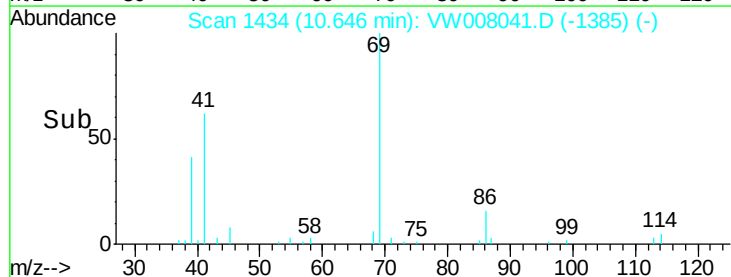
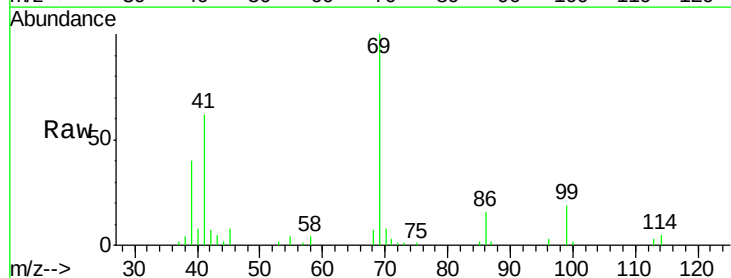
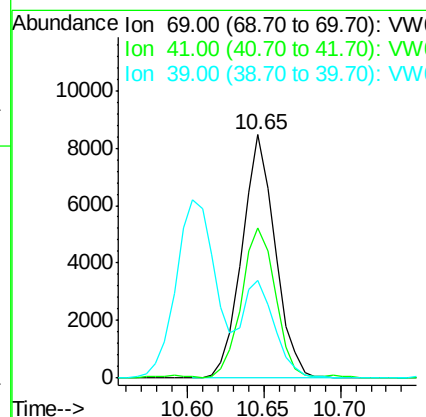
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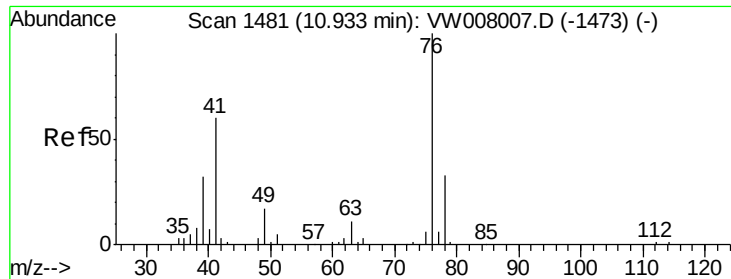
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#56
 Ethyl methacrylate
 Concen: 20.778 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion:	69	Resp:	12711
Ion	Ratio	Lower	Upper
69	100		
41	63.5	52.6	79.0
39	39.3	35.8	53.6





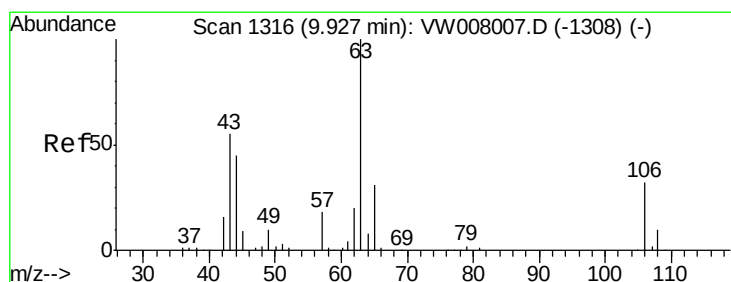
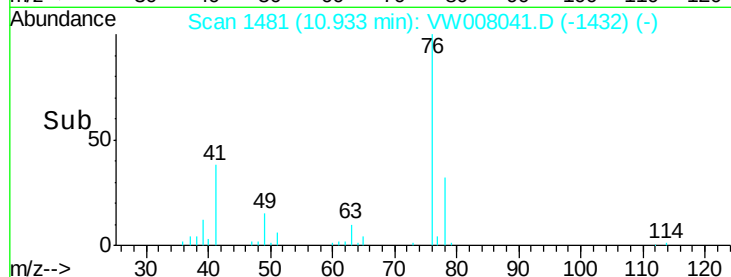
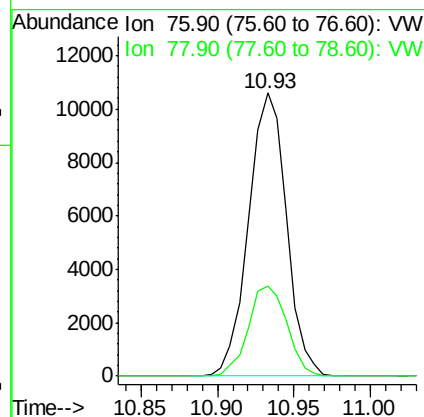
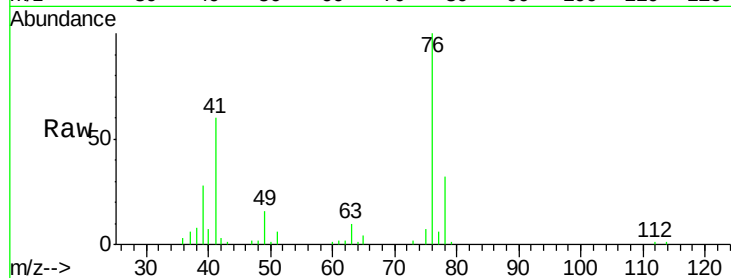
#57
 1,3-Dichloropropane
 Concen: 19.906 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion: 76 Resp: 18303
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.7 40.1

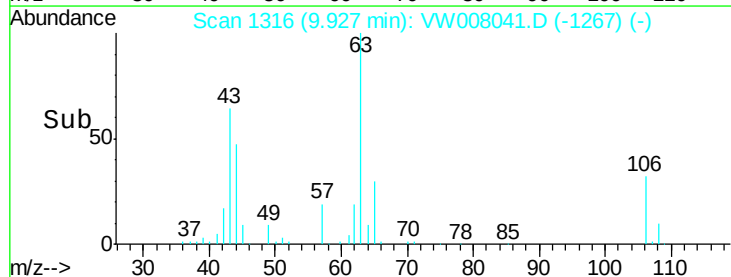
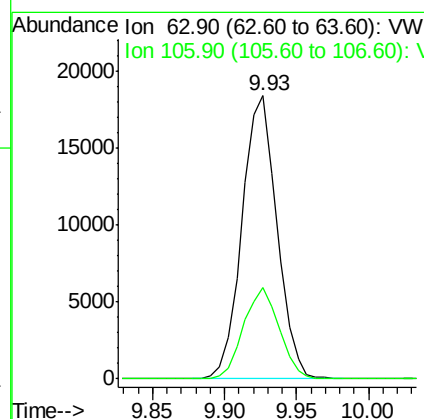
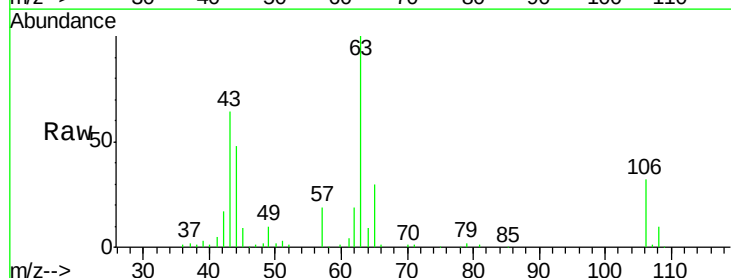
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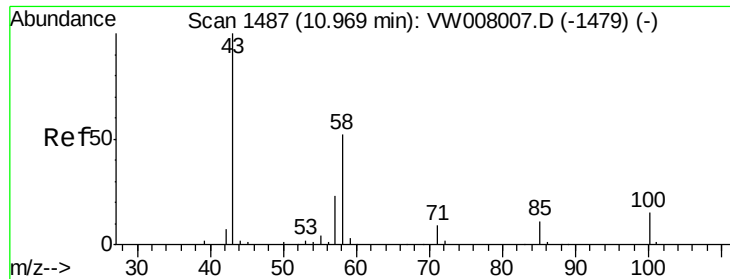
MMDadoda
 1/7/2019 1:22:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.724 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion: 63 Resp: 30964
 Ion Ratio Lower Upper
 63 100
 106 32.7 26.9 40.3





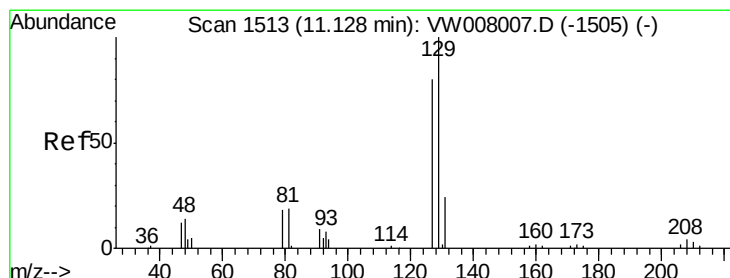
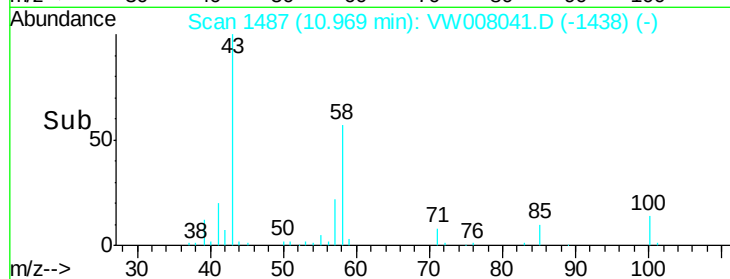
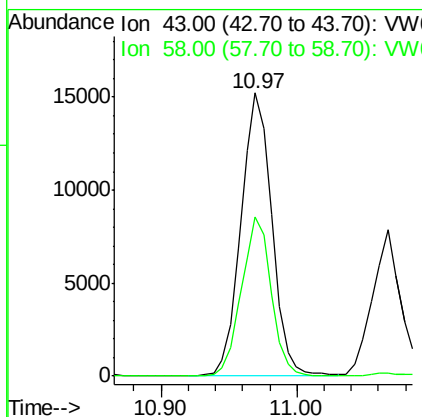
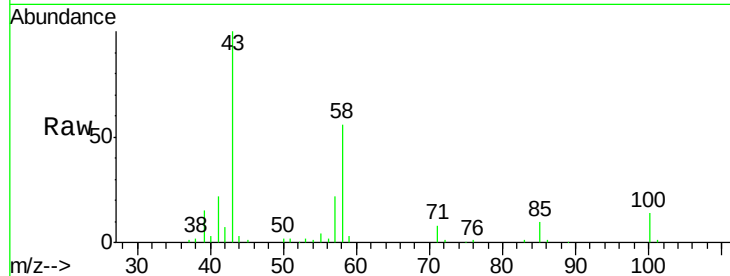
#59
2-Hexanone
Concen: 105.791 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion: 43 Resp: 24290
Ion Ratio Lower Upper
43 100
58 53.6 27.1 81.2

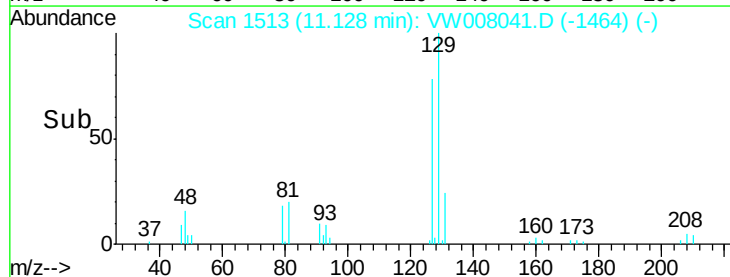
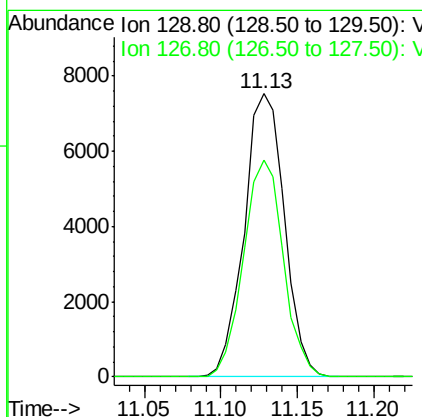
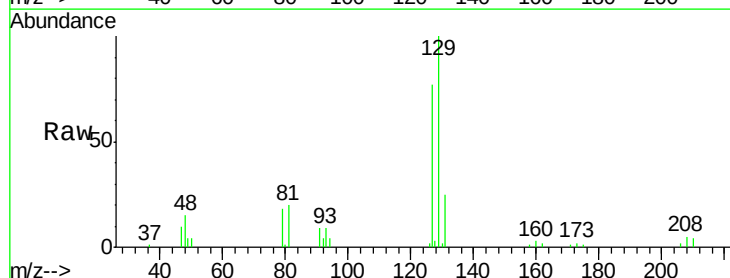
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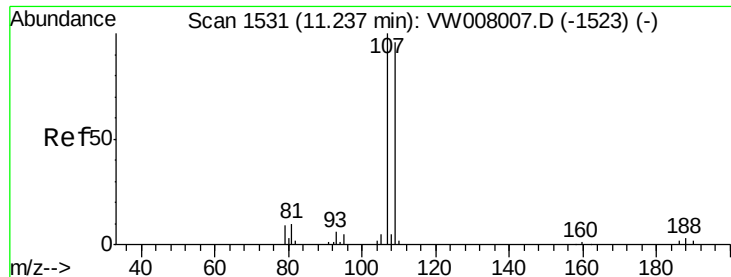
MMDadoda
1/7/2019 1:22:45 PM



#60
Dibromochloromethane
Concen: 18.591 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion: 129 Resp: 13771
Ion Ratio Lower Upper
129 100
127 76.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.003 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 107 Resp: 10832

Ion Ratio Lower Upper

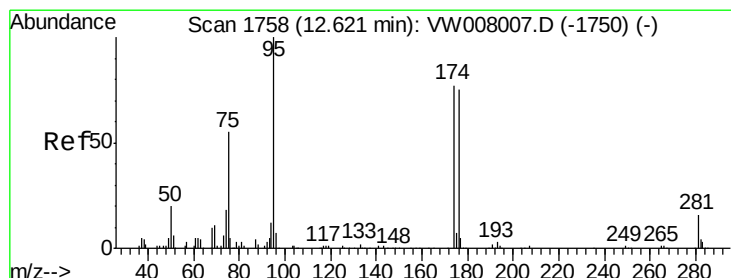
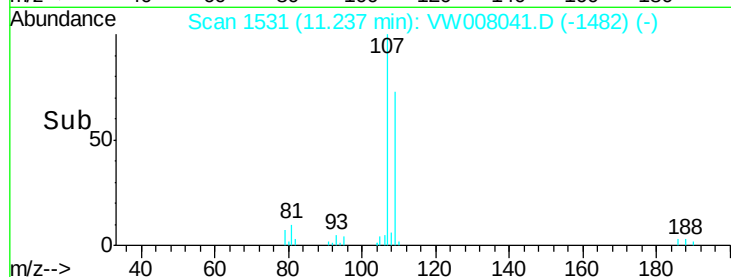
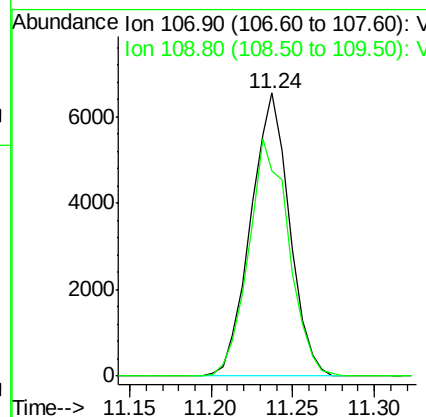
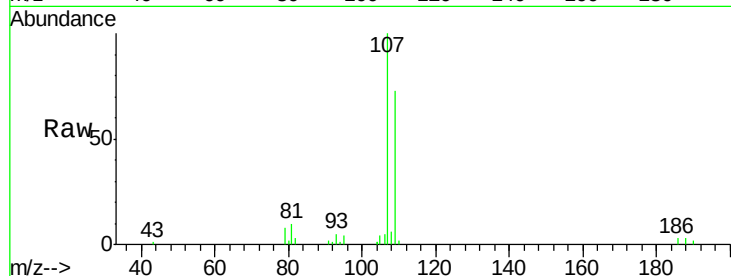
107 100

109 86.6 77.2 115.8

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1/7/2019 1:22:45 PM



#62

4-Bromofluorobenzene

Concen: 44.303 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

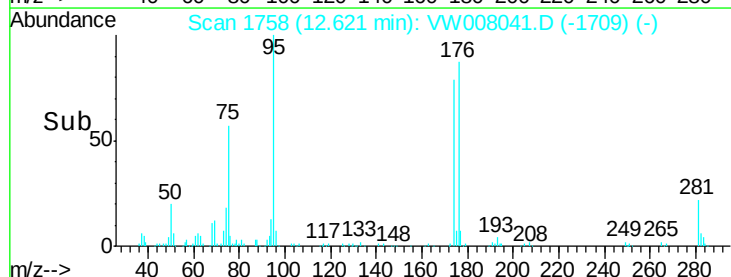
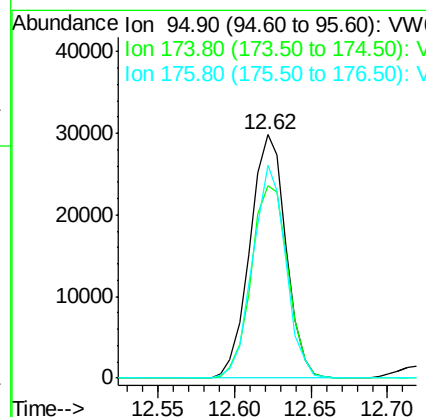
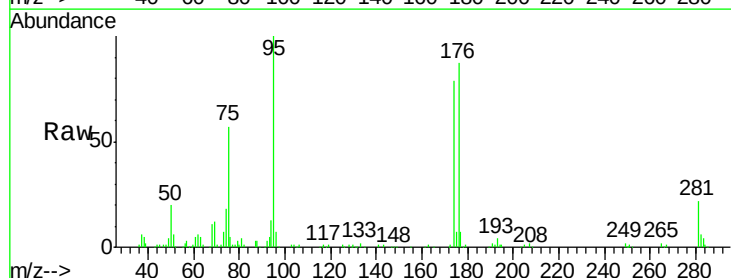
Tgt Ion: 95 Resp: 48761

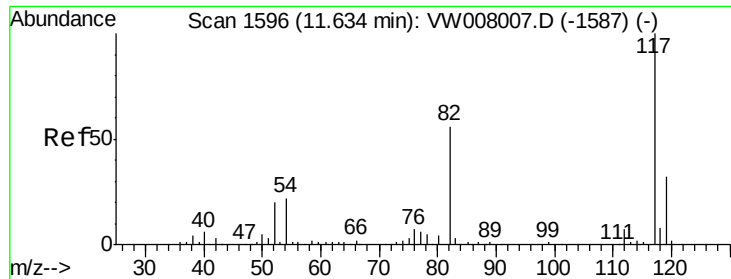
Ion Ratio Lower Upper

95 100

174 81.1 0.0 149.6

176 80.6 0.0 145.4





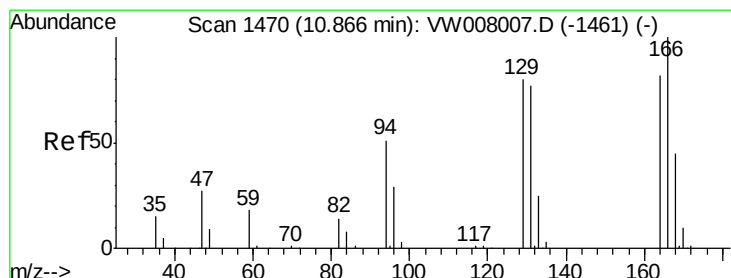
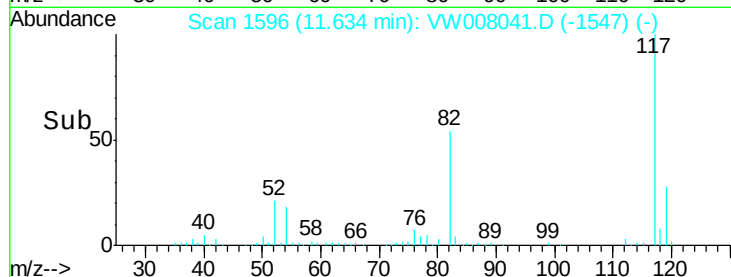
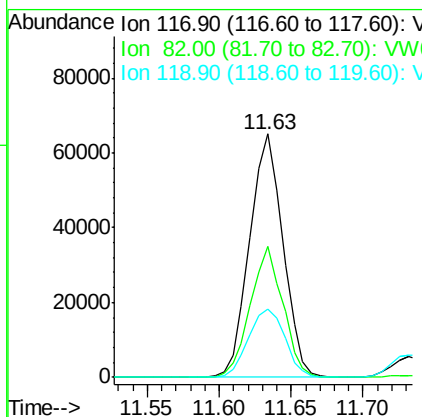
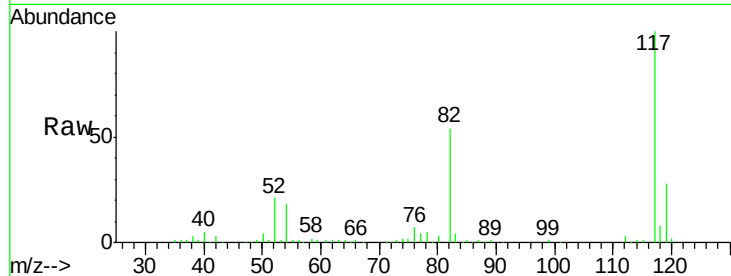
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.8	67.2
119	27.8	25.6	38.4

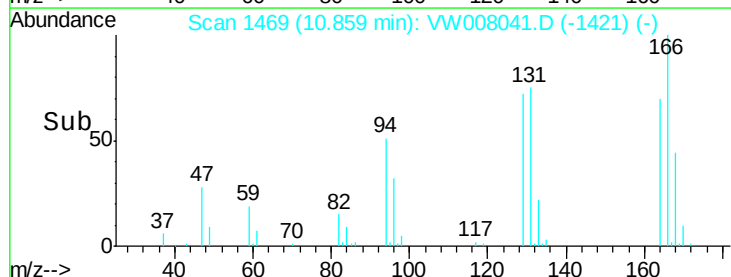
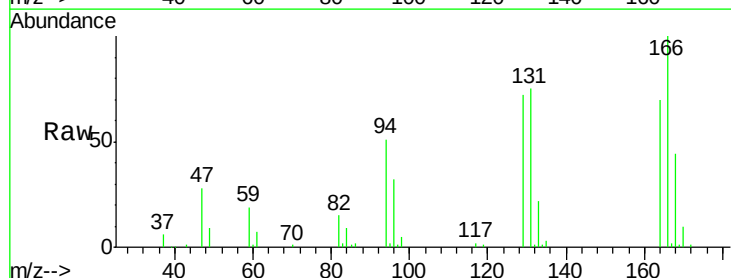
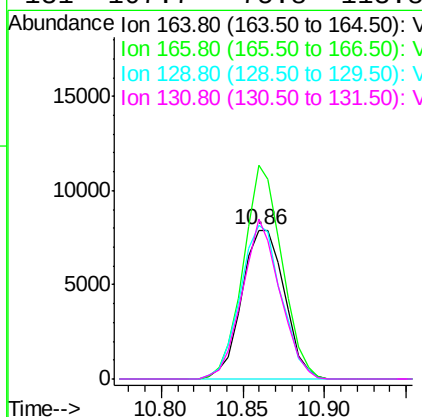
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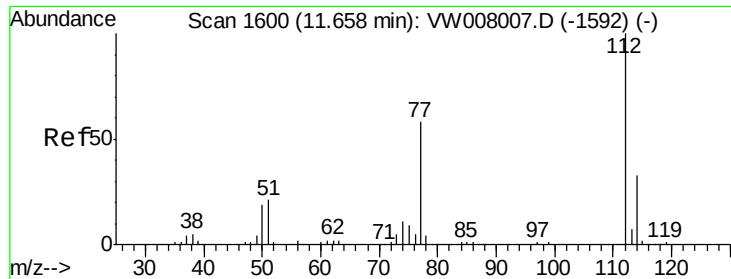
MMDadoda
1/7/2019 1:22:45 PM



#64
Tetrachloroethene
Concen: 19.917 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	143.3	98.1	147.1
129	102.9	78.0	117.0
131	107.7	75.8	113.8





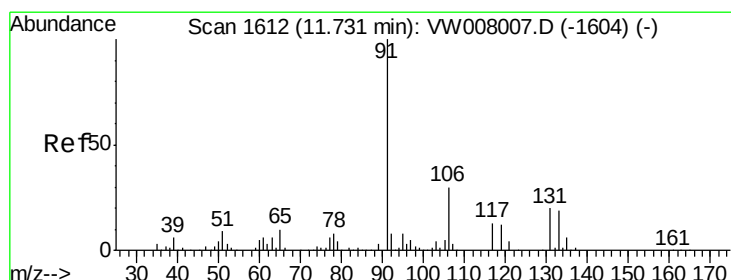
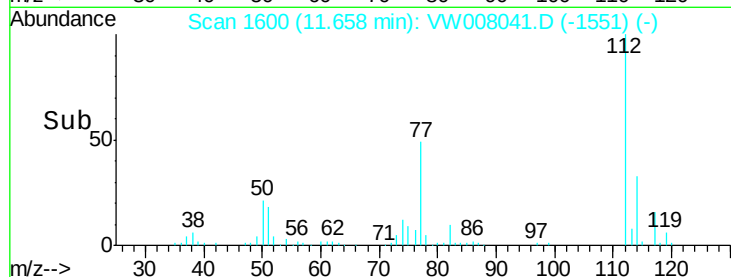
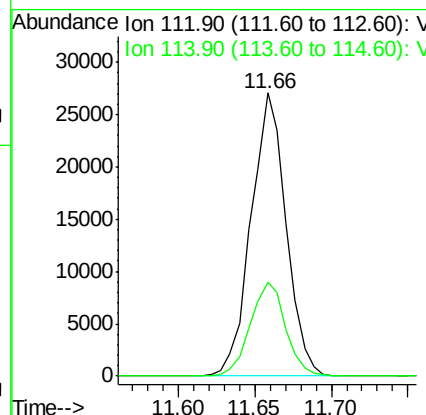
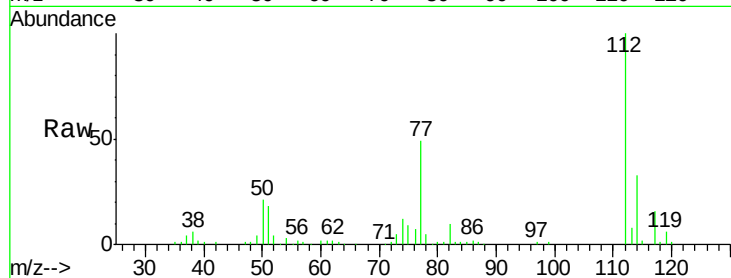
#65
Chlorobenzene
Concen: 19.276 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion:112 Resp: 43018
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0

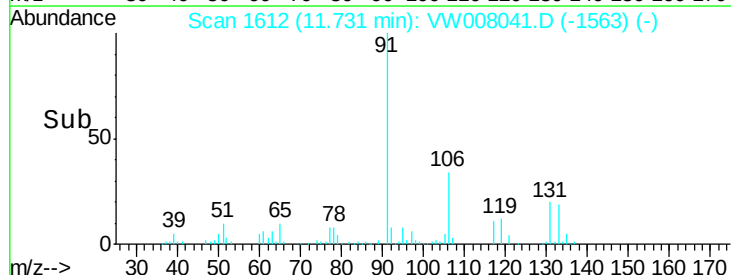
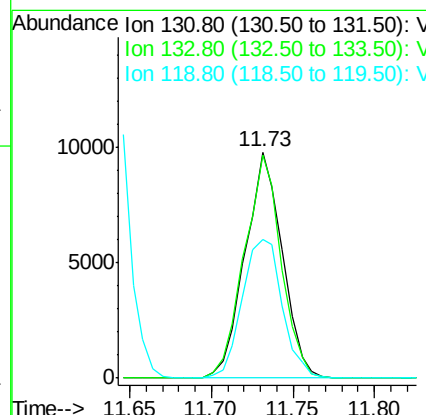
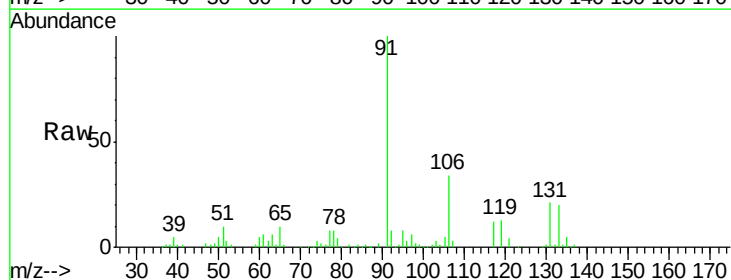
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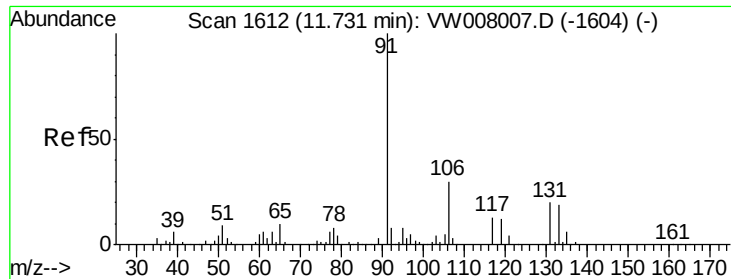
MMDadoda
1/7/2019 1:22:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.334 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion:131 Resp: 15625
Ion Ratio Lower Upper
131 100
133 97.4 49.1 147.3
119 65.5 30.6 91.6





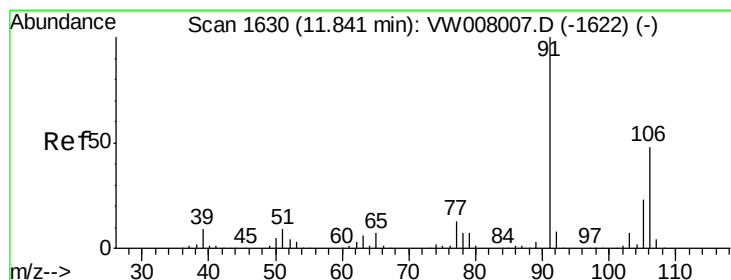
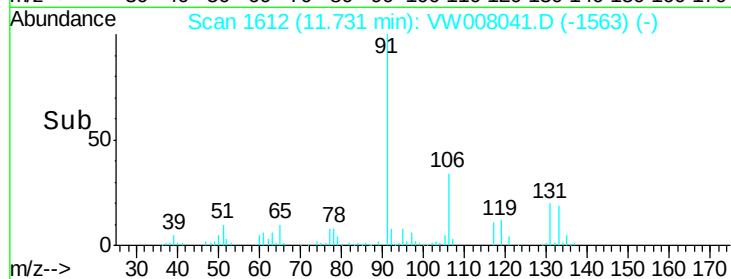
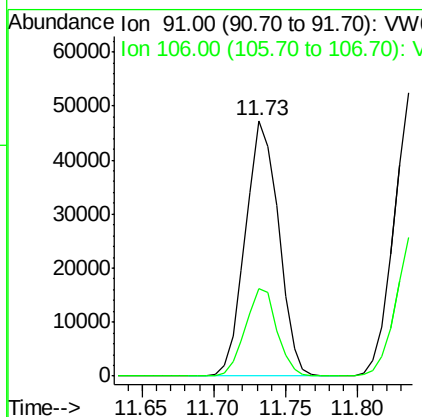
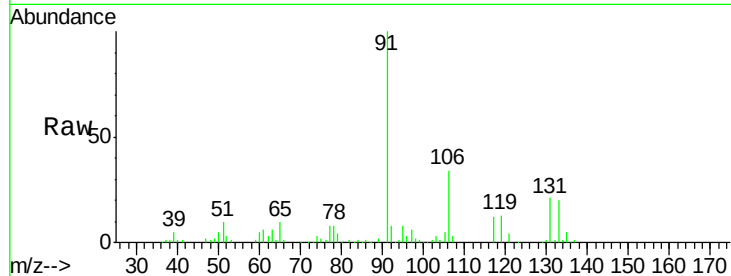
#67
Ethyl Benzene
Concen: 19.010 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion: 91 Resp: 75301
Ion Ratio Lower Upper
91 100
106 34.4 24.3 36.5

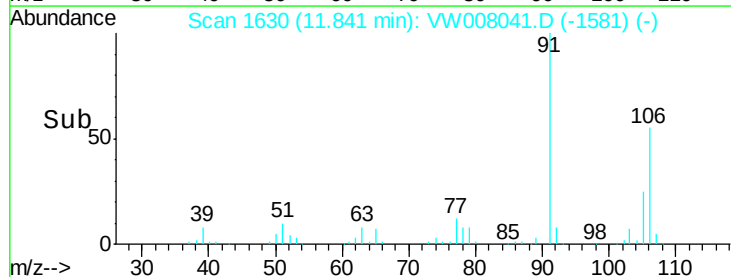
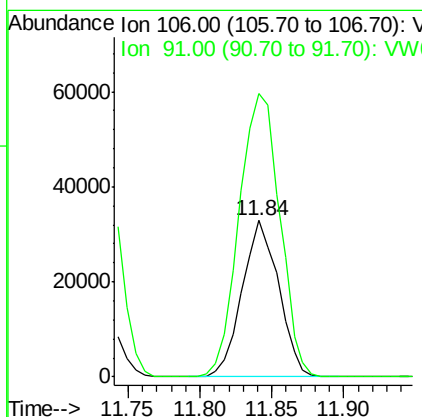
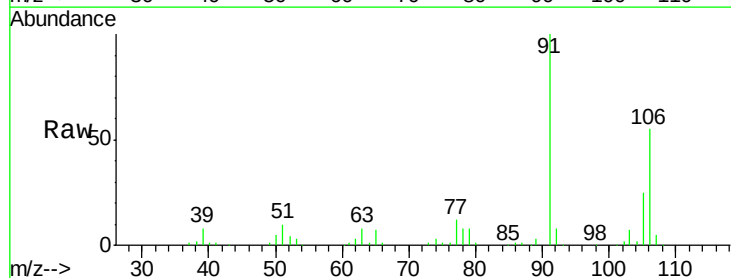
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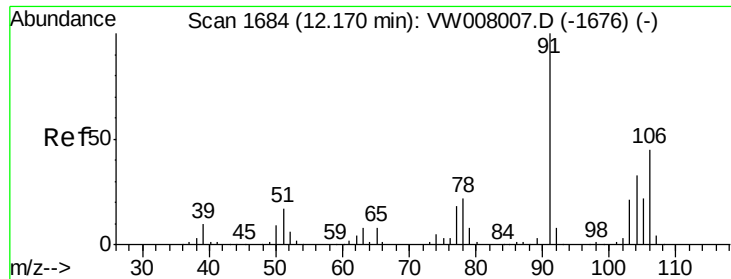
MMDadoda
1/7/2019 1:22:45 PM



#68
m/p-Xylenes
Concen: 37.703 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion: 106 Resp: 57739
Ion Ratio Lower Upper
106 100
91 202.4 165.8 248.8





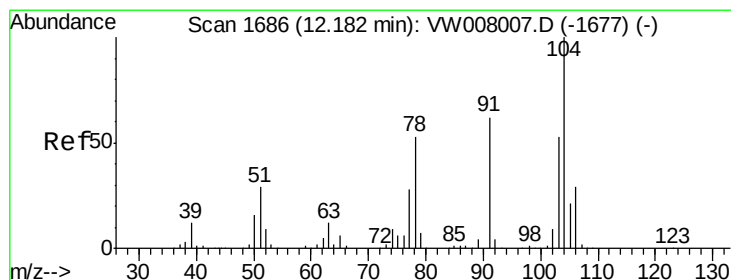
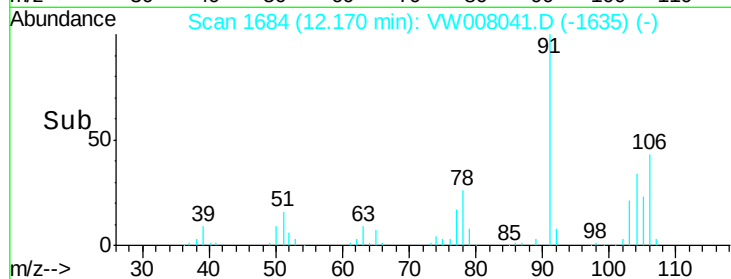
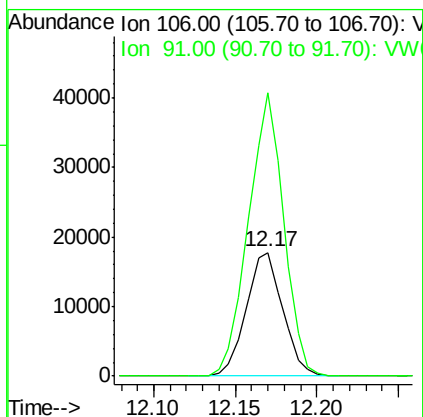
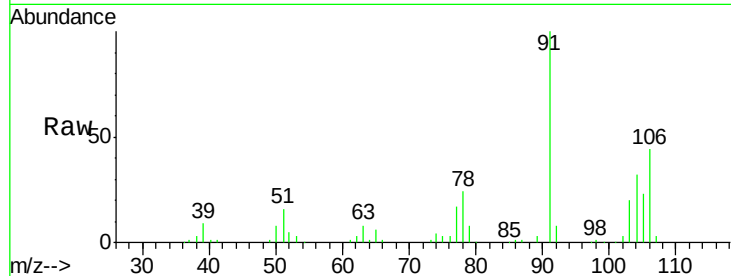
#69
o-Xylene
Concen: 19.481 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion:106 Resp: 27759
Ion Ratio Lower Upper
106 100
91 221.1 110.6 331.6

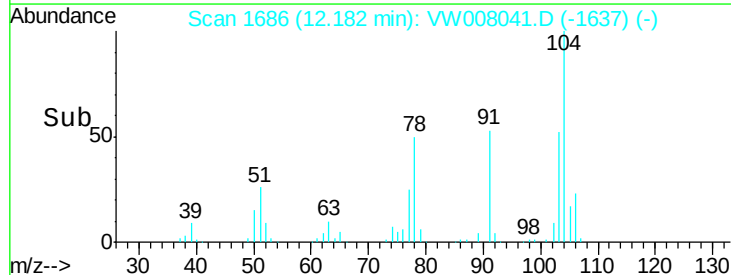
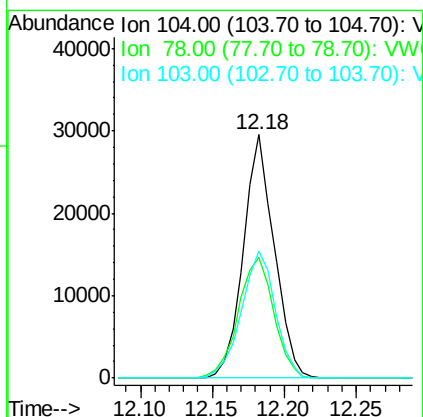
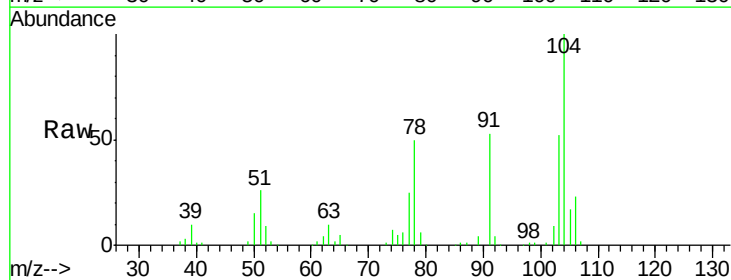
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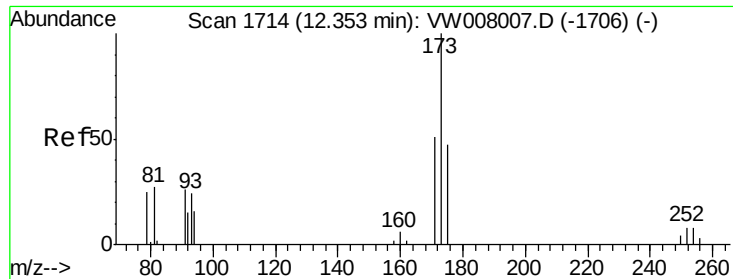
MMDadoda
1/7/2019 1:22:45 PM



#70
Styrene
Concen: 18.815 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion:104 Resp: 43700
Ion Ratio Lower Upper
104 100
78 57.2 44.0 66.0
103 57.6 44.6 66.8





#71

Bromoform

Concen: 19.395 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion:173 Resp: 7262

Ion Ratio Lower Upper

173 100

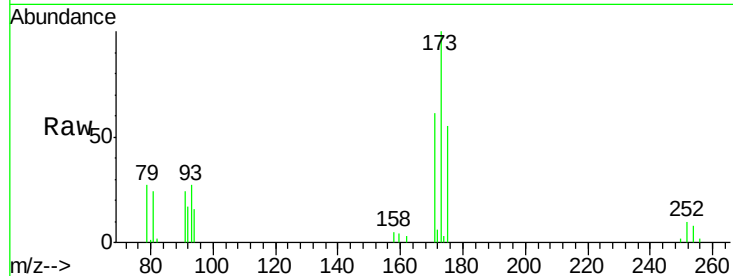
175 45.5 23.6 71.0

254 0.0 0.0 0.0

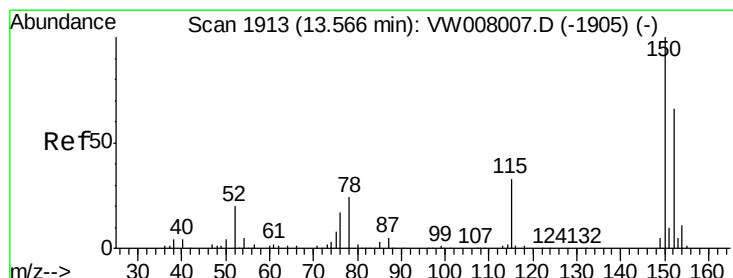
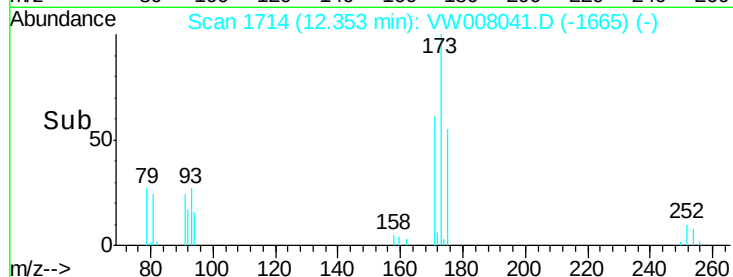
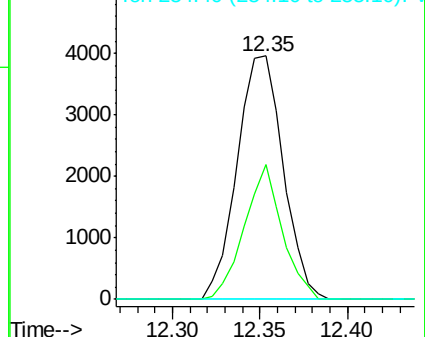
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

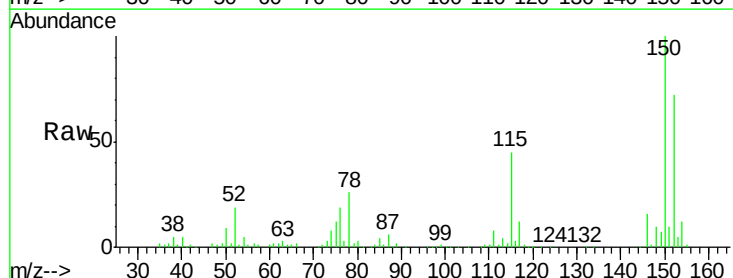
Tgt Ion:152 Resp: 49621

Ion Ratio Lower Upper

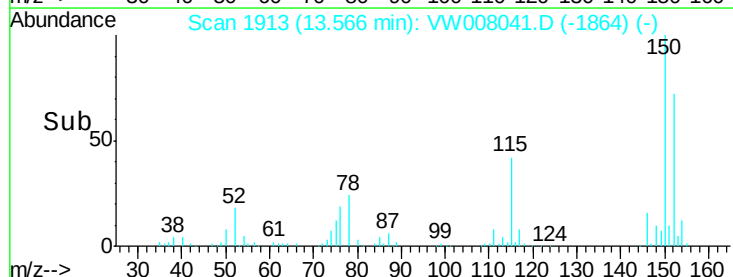
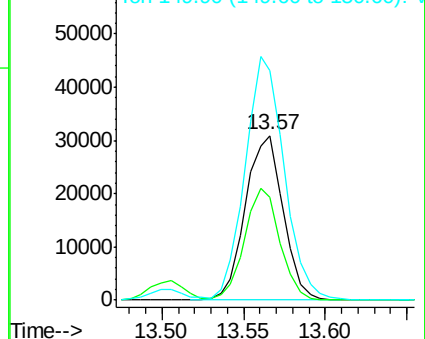
152 100

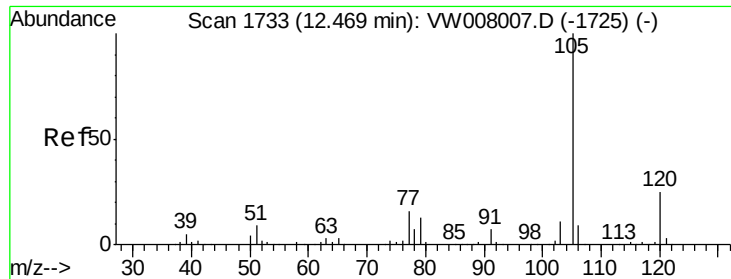
115 63.8 32.1 96.5

150 153.7 0.0 345.0



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





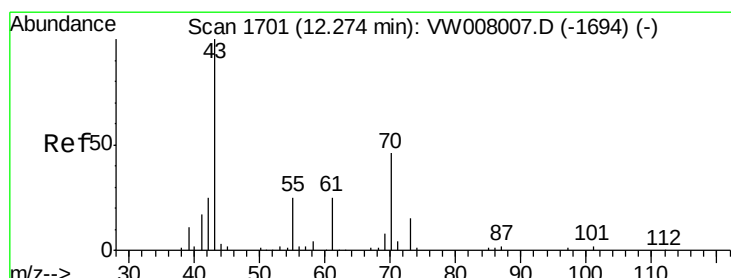
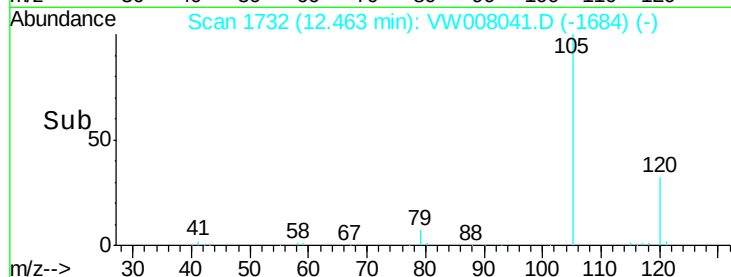
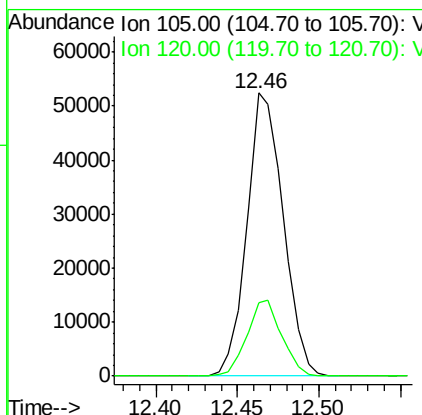
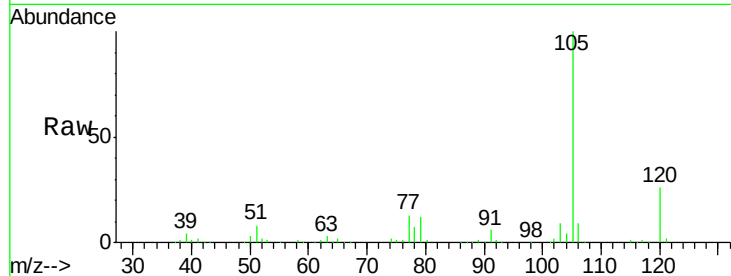
#73
Isopropylbenzene
Concen: 20.621 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion:105 Resp: 81365
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3

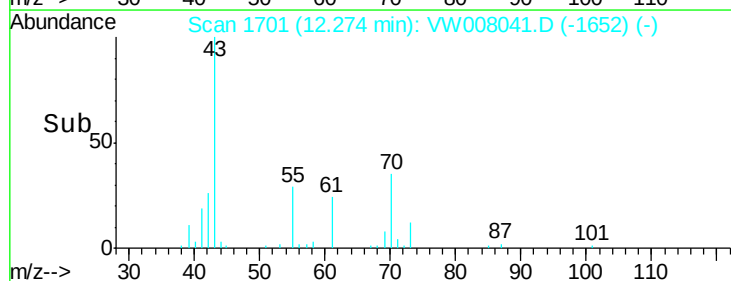
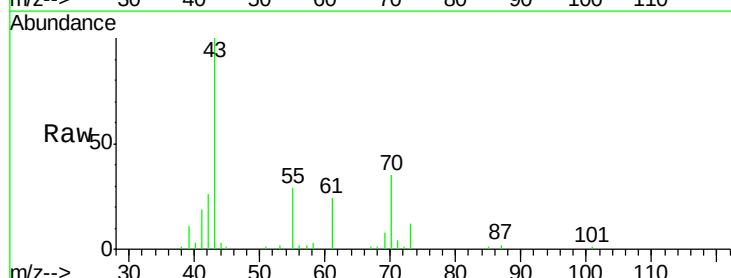
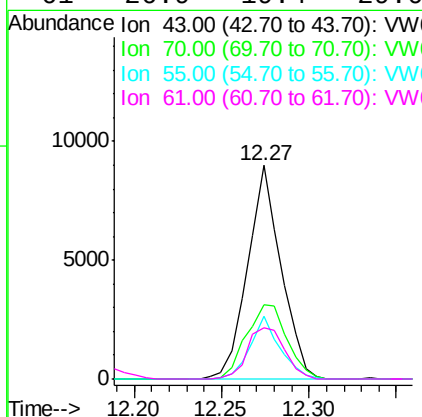
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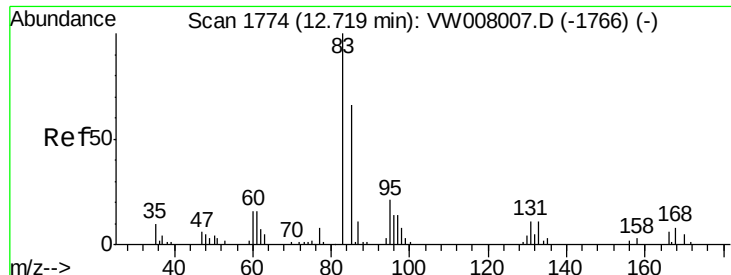
MMDadoda
1/7/2019 1:22:45 PM



#74
N-ethyl acetate
Concen: 19.429 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion: 43 Resp: 11933
Ion Ratio Lower Upper
43 100
70 42.5 35.2 52.8
55 26.1 21.4 32.0
61 26.9 19.4 29.0





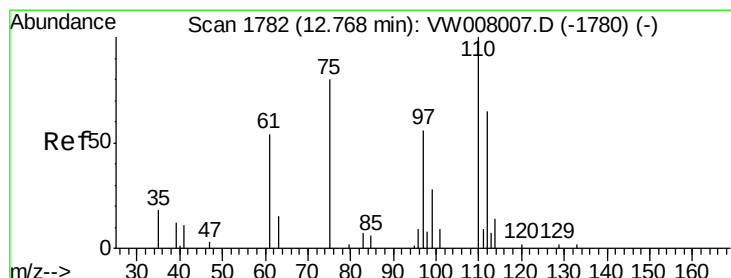
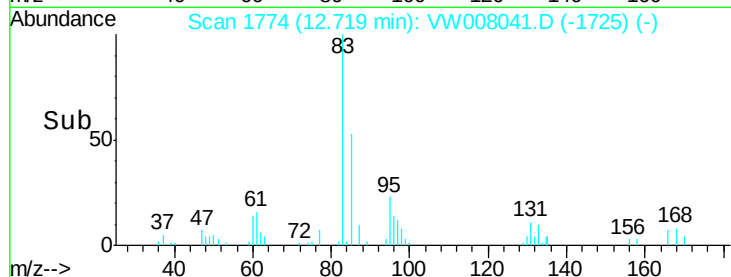
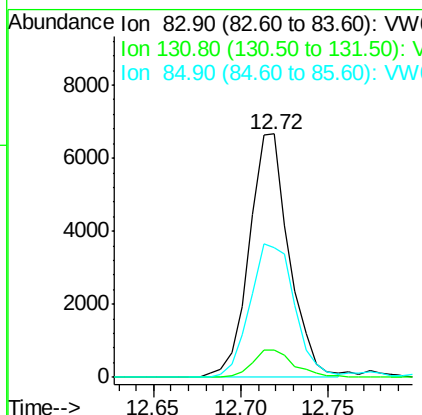
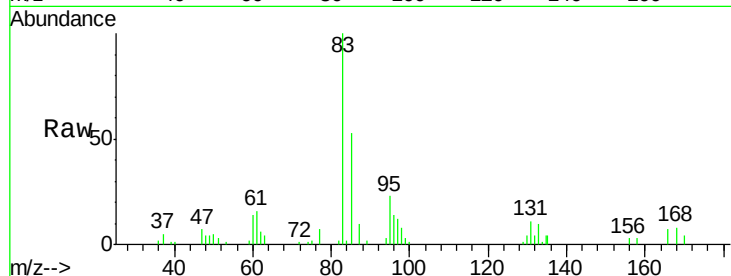
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.151 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion	83	Resp	10619
Ion Ratio	100	Lower	Upper
83	100		
131	11.9	6.5	19.5
85	61.2	32.8	98.3

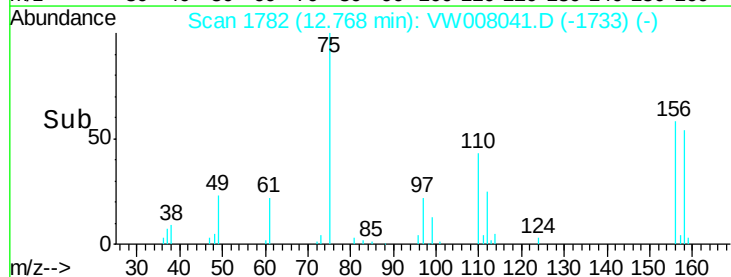
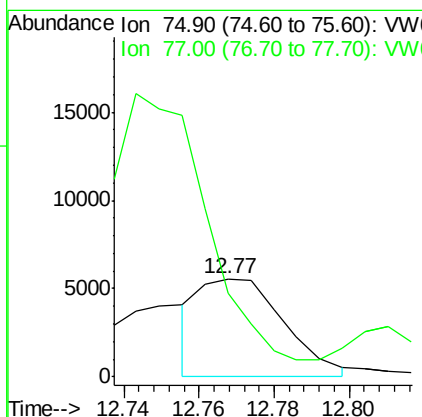
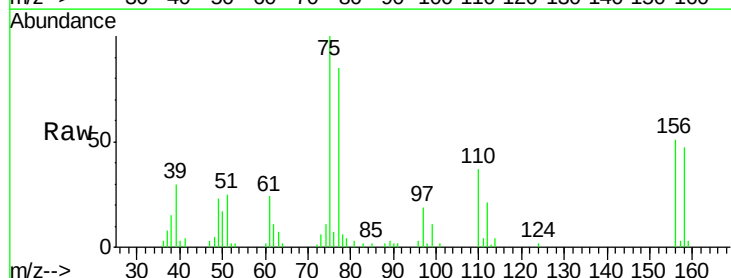
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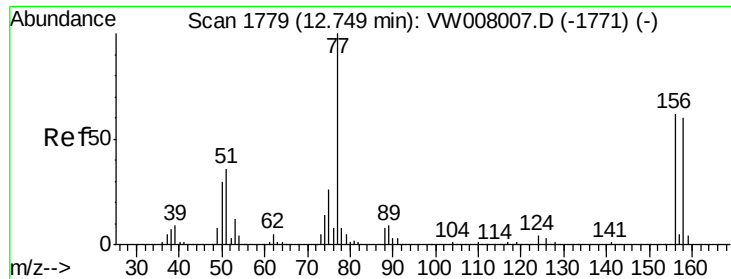
MMDadoda
 1/7/2019 1:22:45 PM



#76
 1,2,3-Trichloropropane
 Concen: 22.138 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion	75	Resp	8739
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	186.2	558.6





#77

Bromobenzene

Concen: 20.149 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion:156 Resp: 17088

Ion Ratio Lower Upper

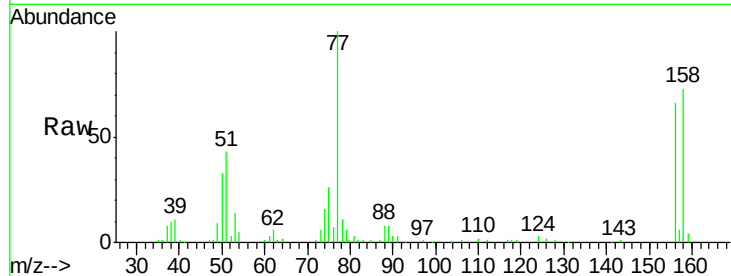
156 100

77 180.6 87.9 263.8

158 99.3 47.8 143.4

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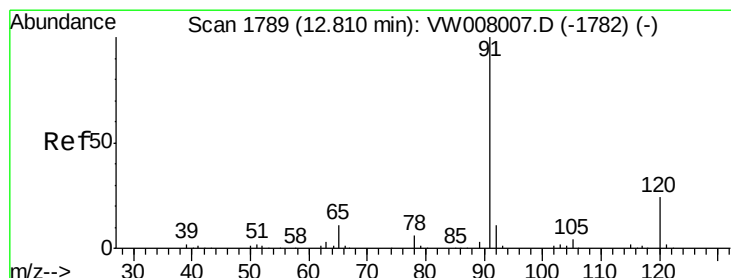
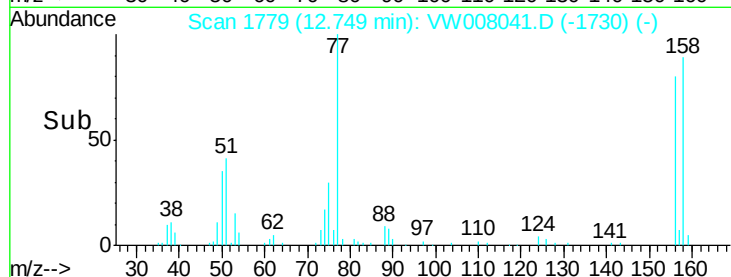
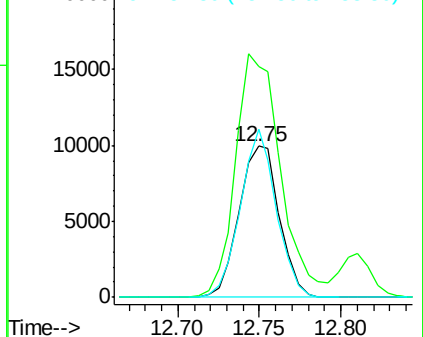
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.933 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008041.D

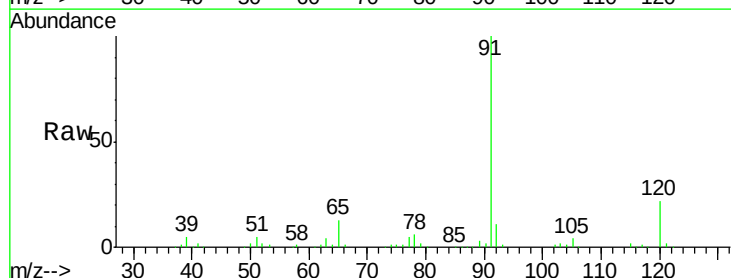
Acq: 04 Jan 2019 12:24

Tgt Ion: 91 Resp: 91191

Ion Ratio Lower Upper

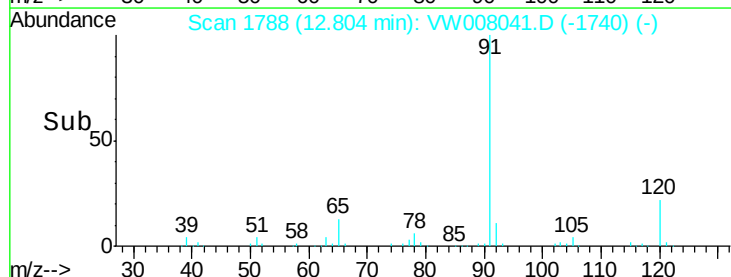
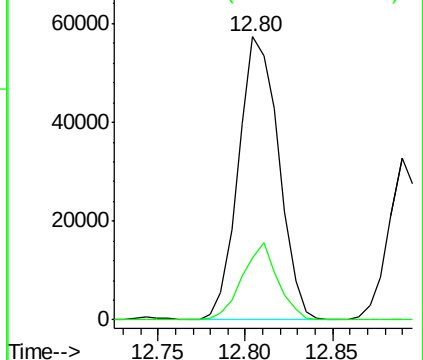
91 100

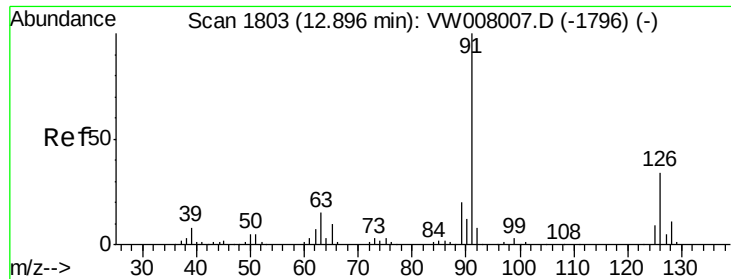
120 24.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.276 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW0104SBS01

Tot Ion: 91 Resp: 50965

Ion Ratio Lower Upper

91 100

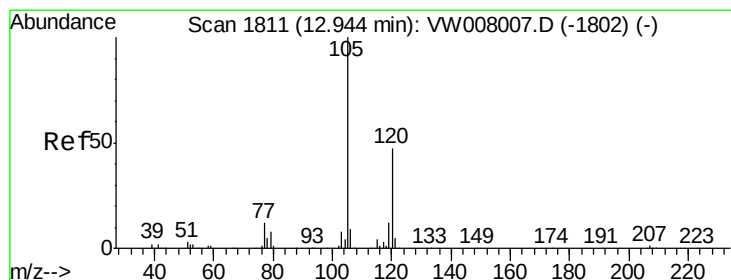
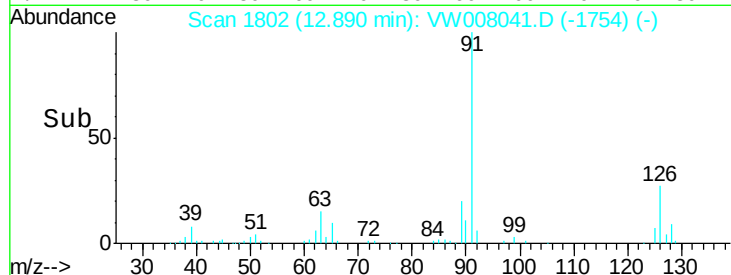
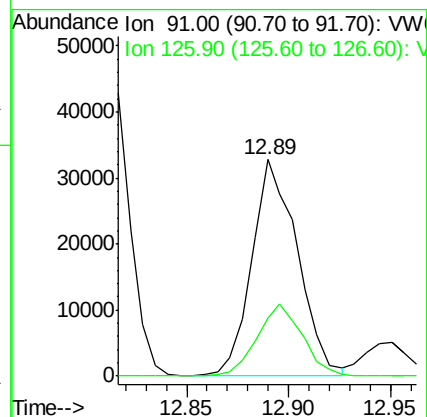
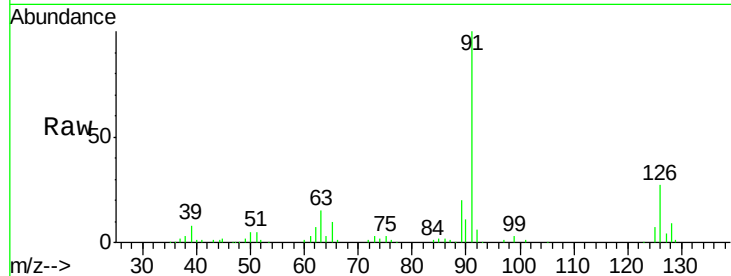
126 33.0 17.1 51.2

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#80

1,3,5-Trimethylbenzene

Concen: 19.914 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008041.D

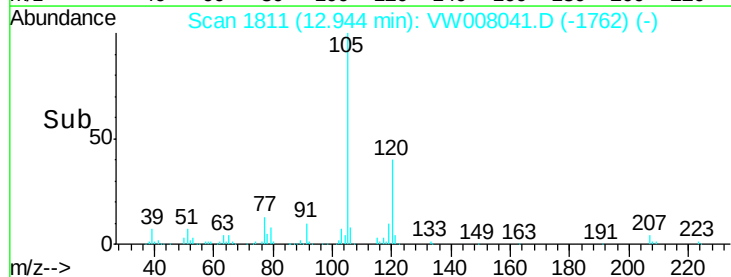
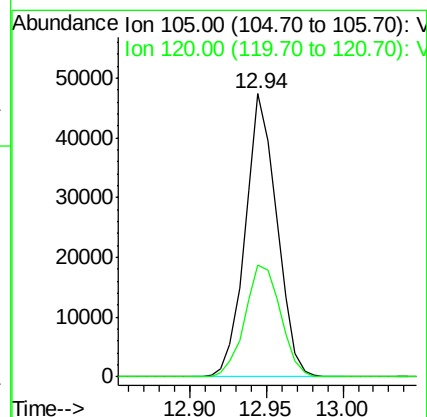
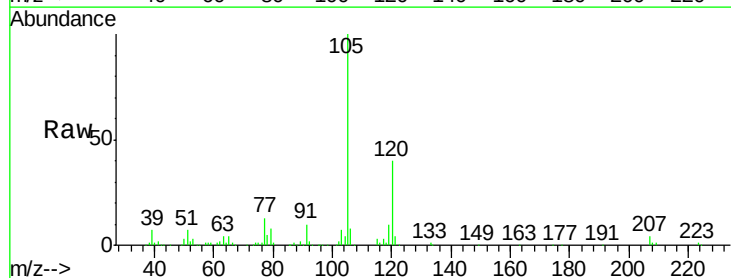
Acq: 04 Jan 2019 12:24

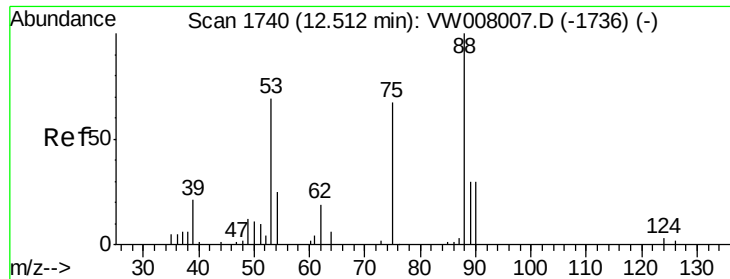
Tgt Ion:105 Resp: 67634

Ion Ratio Lower Upper

105 100

120 44.7 23.3 69.9





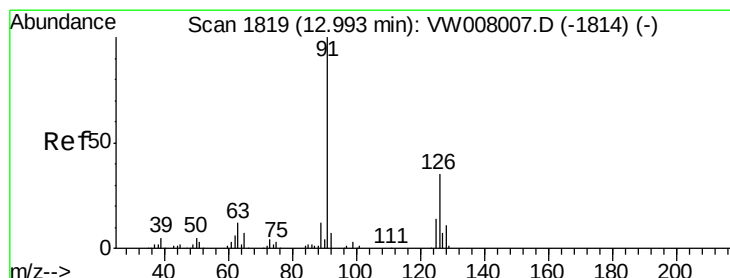
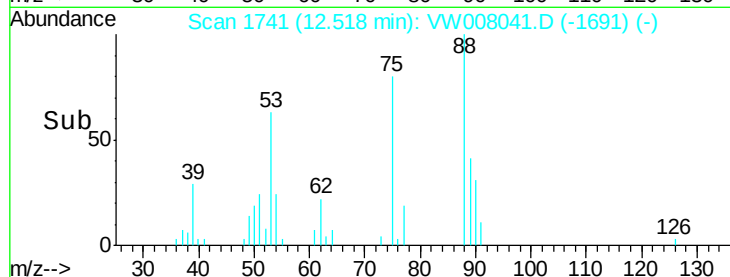
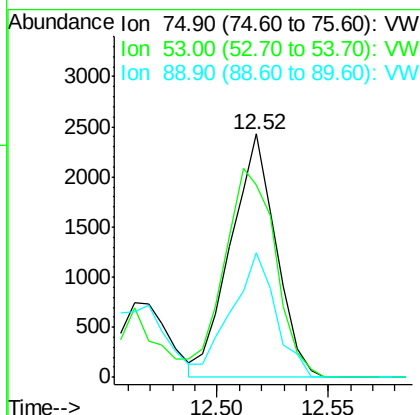
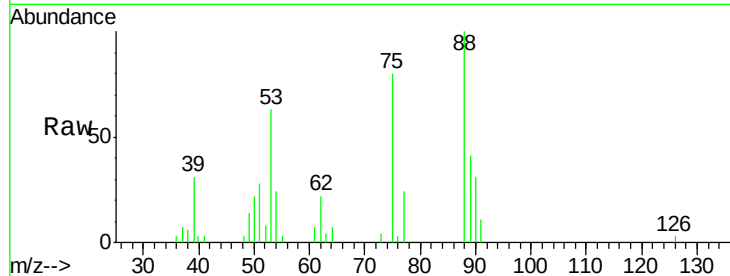
#81
trans-1,4-Dichloro-2-butene
Concen: 20.608 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	87.6	131.4
89	49.0	42.2	63.2

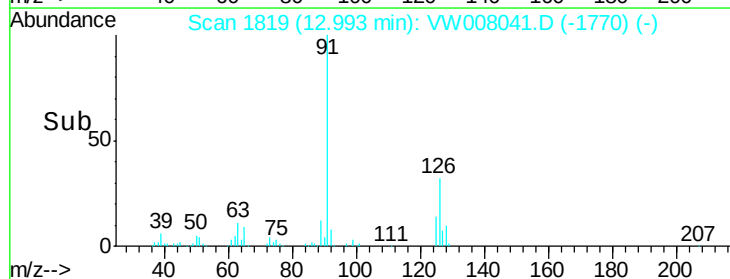
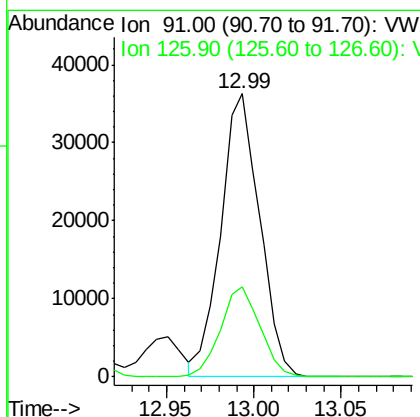
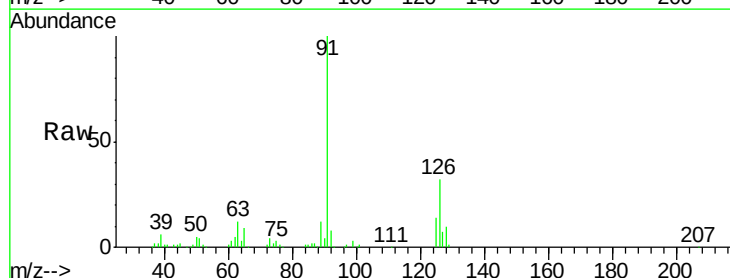
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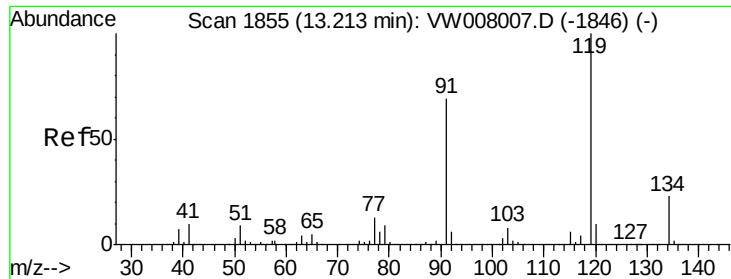
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.906 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.7	50.1





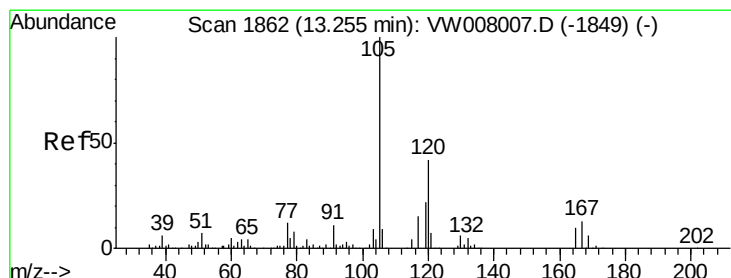
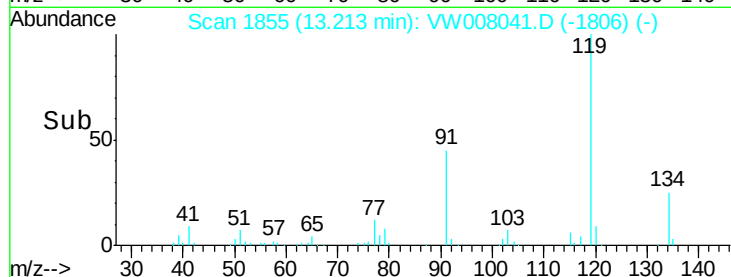
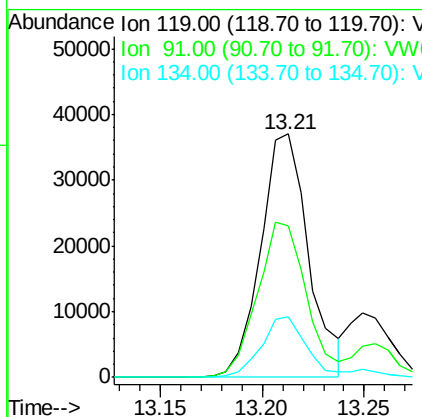
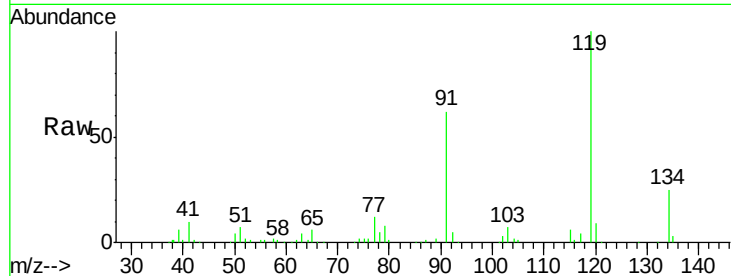
#83
 tert-Butylbenzene
 Concen: 20.409 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		60645		
91	65.0	34.7	104.1		
134	23.1	11.5	34.4		

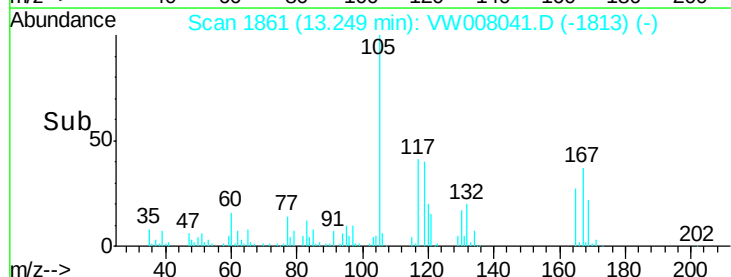
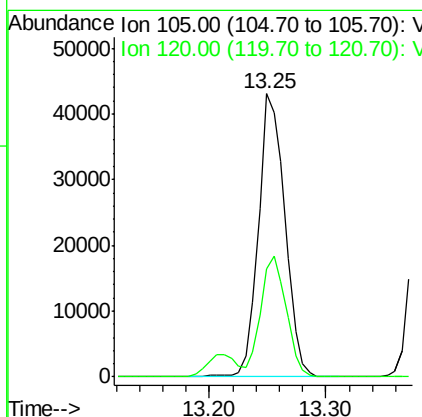
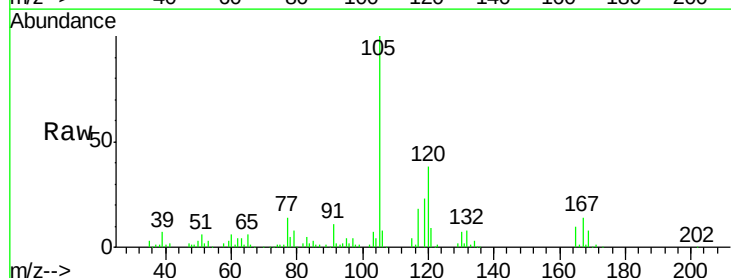
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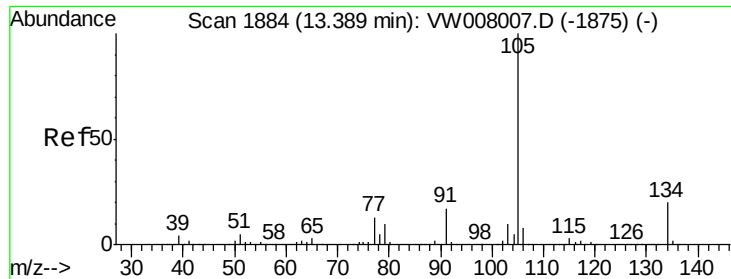
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.742 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		67917		
120	40.9	21.5	64.5		





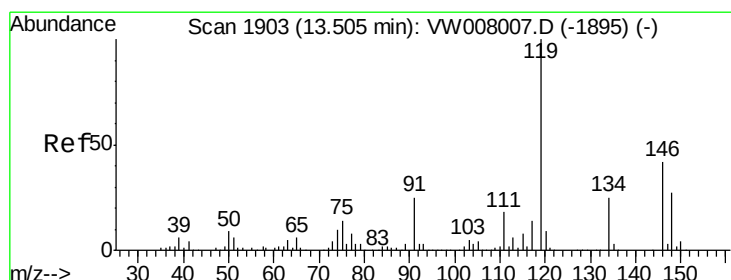
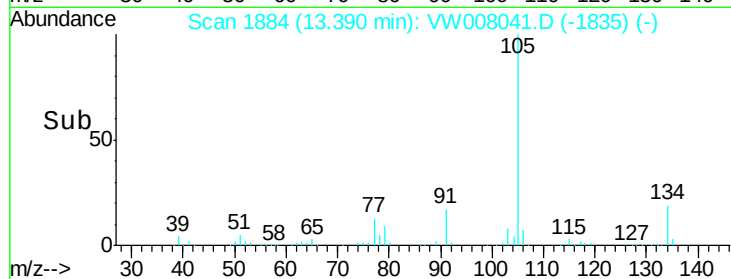
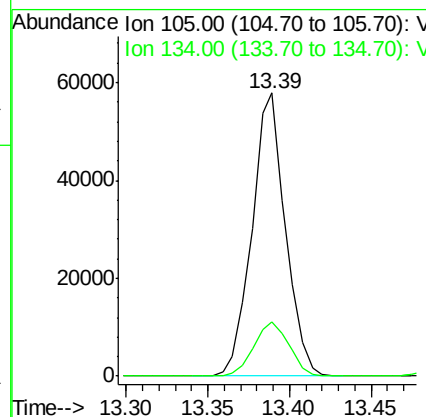
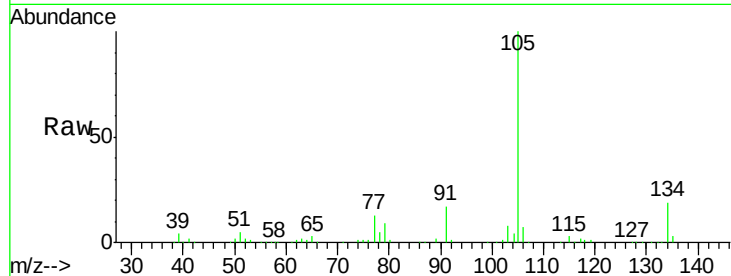
#85
 sec-Butylbenzene
 Concen: 20.163 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion:105 Resp: 82420
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.7 28.9

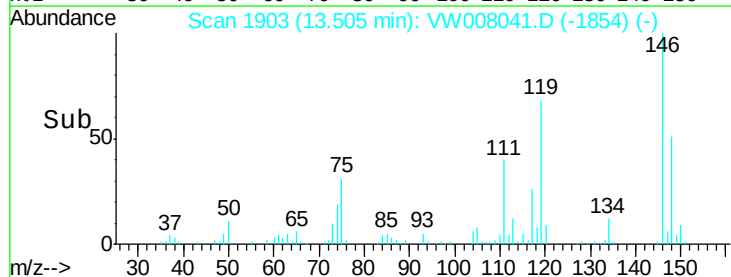
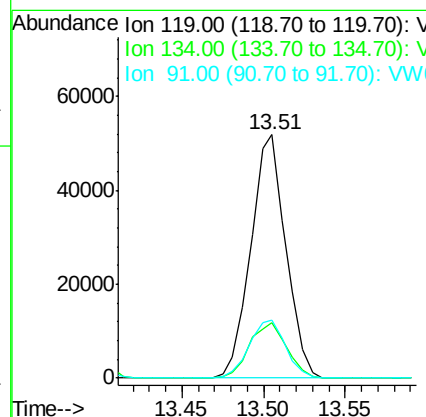
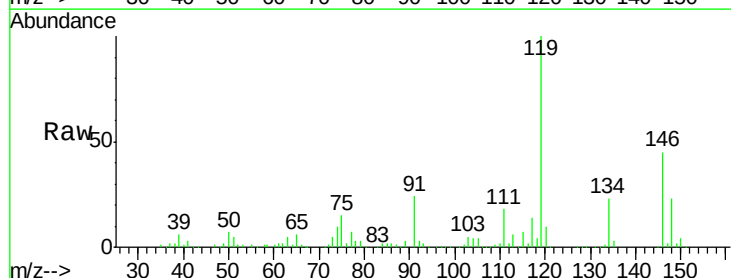
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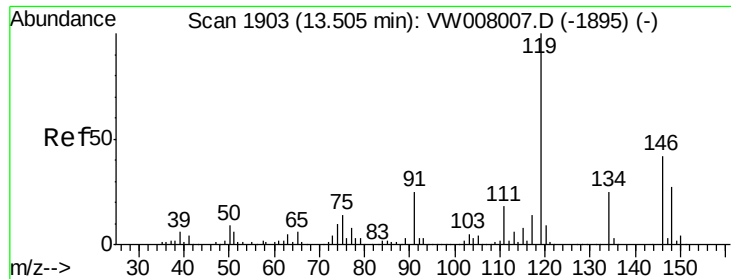
MMDadoda
 1/7/2019 1:22:45 PM



#86
 p-Isopropyltoluene
 Concen: 21.003 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion:119 Resp: 77439
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.5 37.5
 91 24.7 13.1 39.3





#87

1,3-Dichlorobenzene

Concen: 21.851 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Instrument :

MSVOA_W

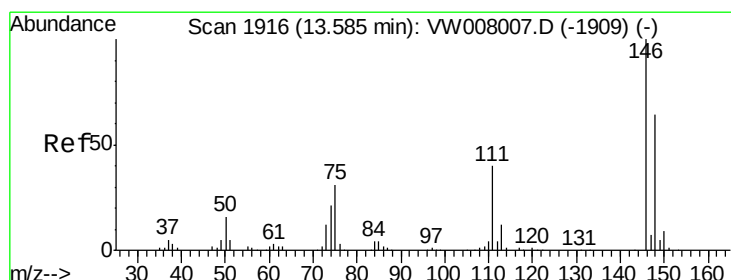
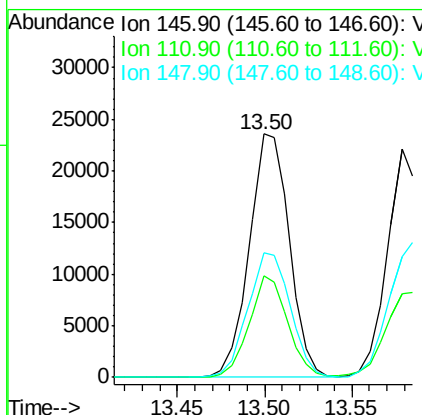
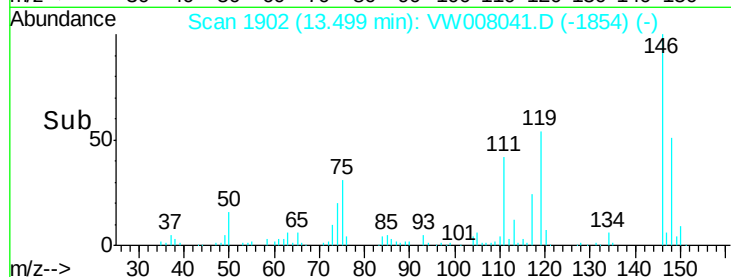
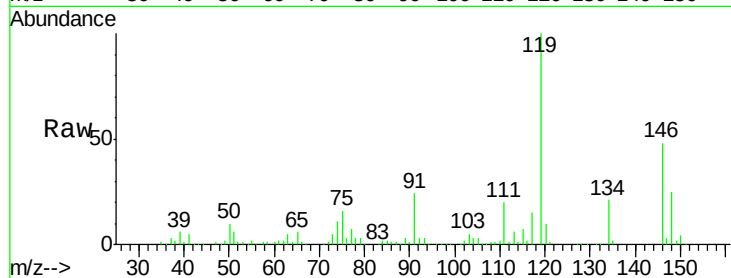
ClientSampleId :

VW0104SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	21.4	64.2
148	54.4	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 20.374 ug/l

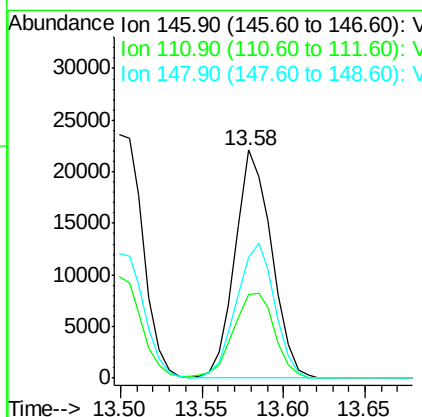
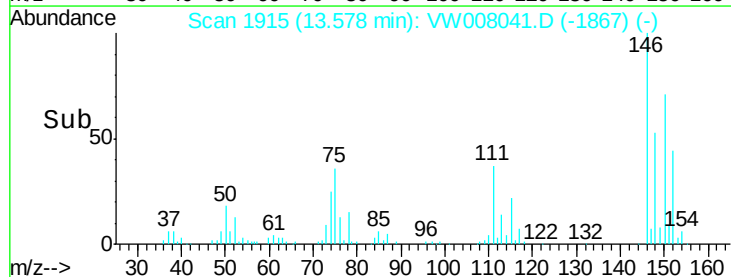
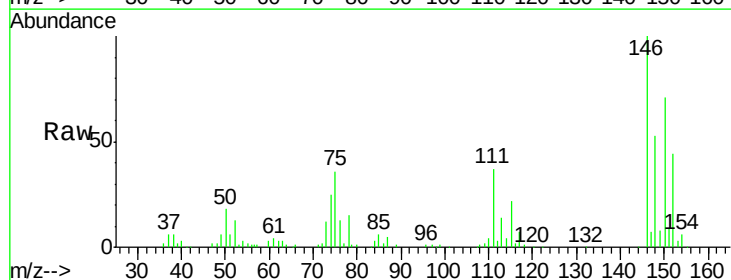
RT: 13.58 min Scan# 1915

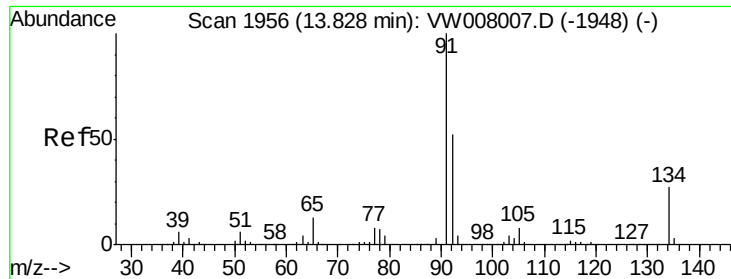
Delta R.T. -0.01 min

Lab File: VW008041.D

Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.8
148	62.0	31.9	95.9





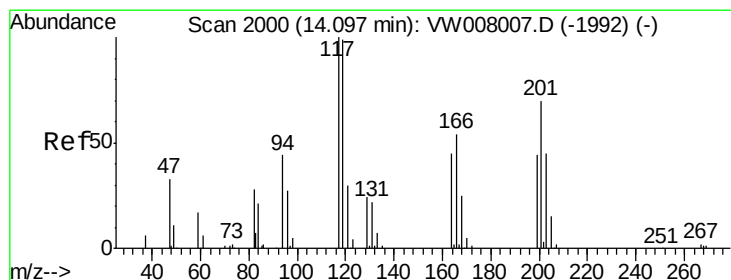
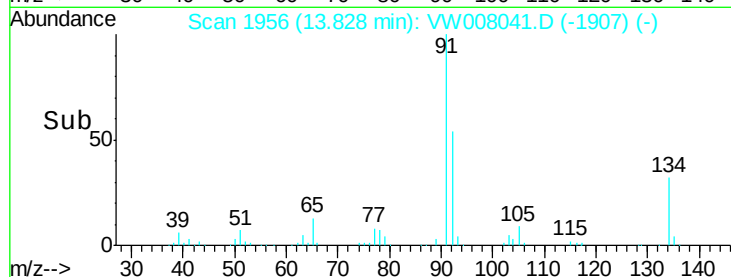
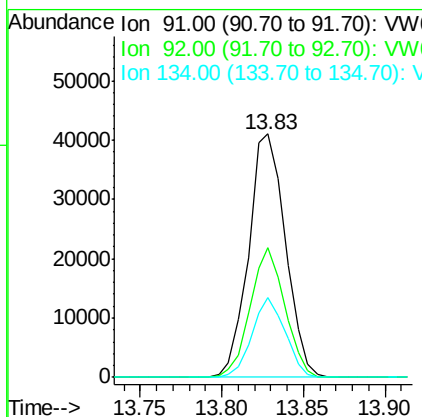
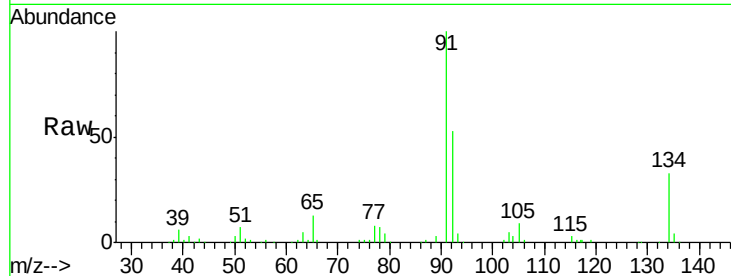
#89
n-Butylbenzene
Concen: 19.189 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.4	79.2
134	29.2	13.4	40.2

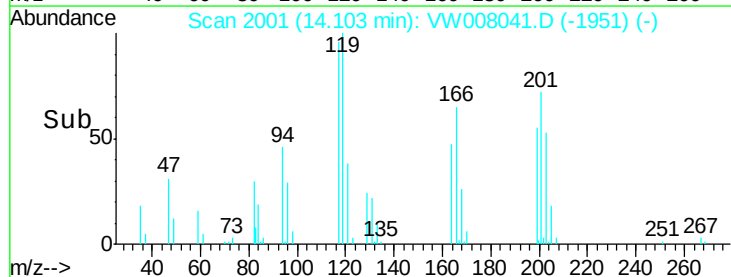
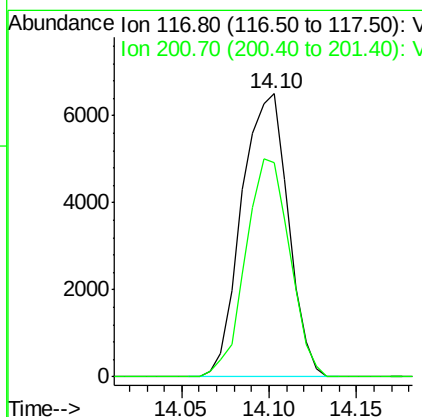
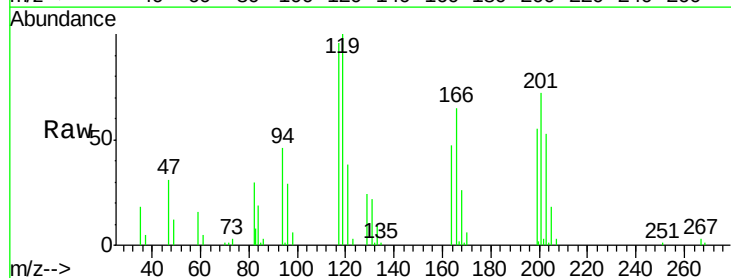
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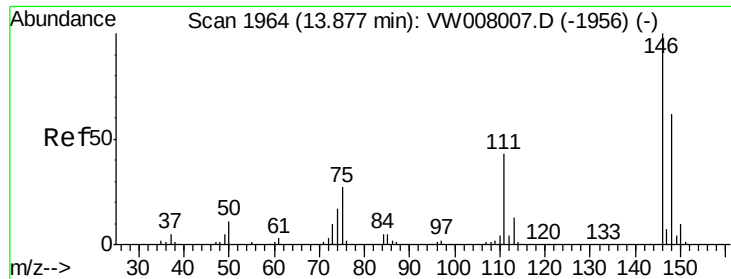
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1/7/2019 1:22:45 PM



#90
Hexachloroethane
Concen: 18.816 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. 0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.3	37.1	111.5





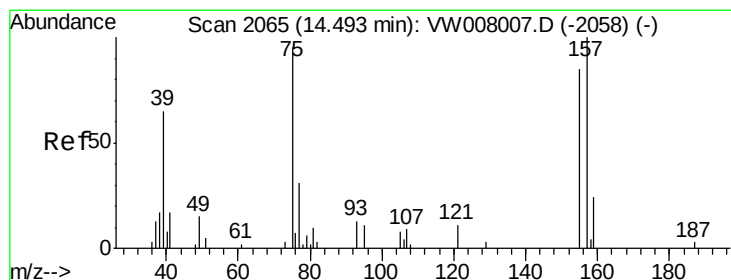
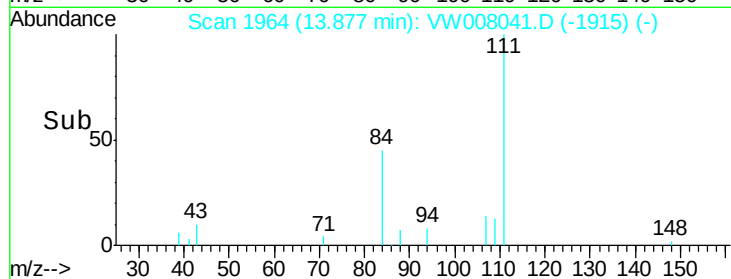
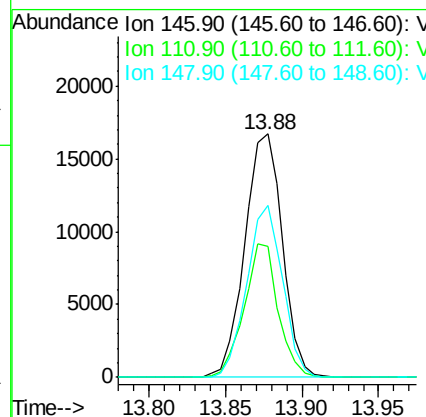
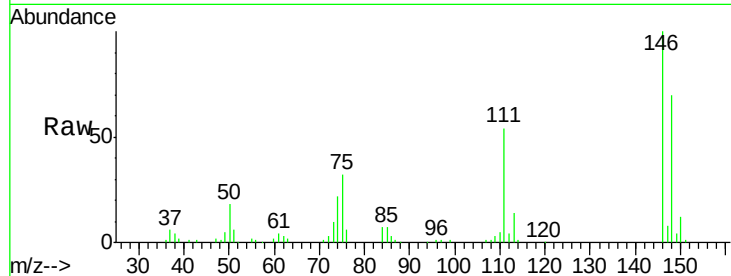
#91
 1,2-Dichlorobenzene
 Concen: 19.007 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.4	22.6	67.7
148	67.2	32.1	96.3

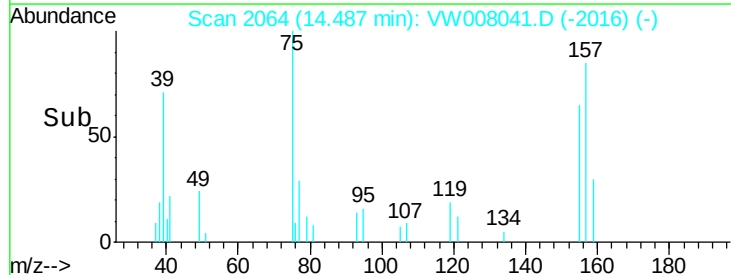
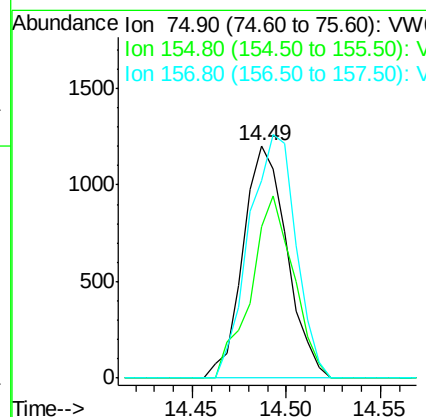
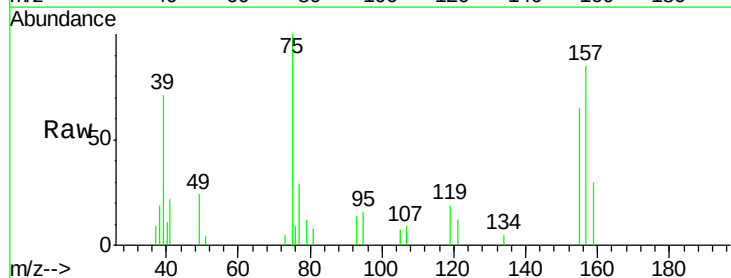
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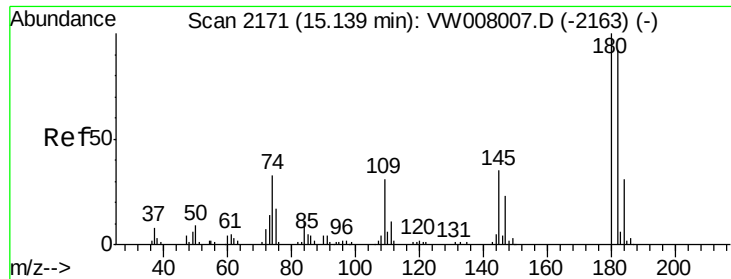
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 1/7/2019 1:22:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.970 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.4	42.4	127.1
157	112.5	52.3	156.8





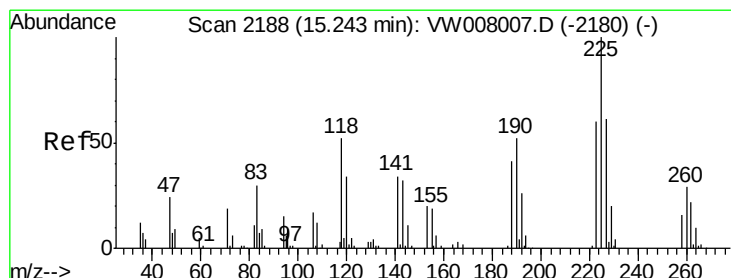
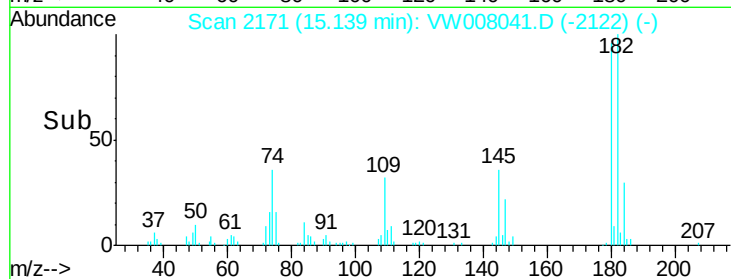
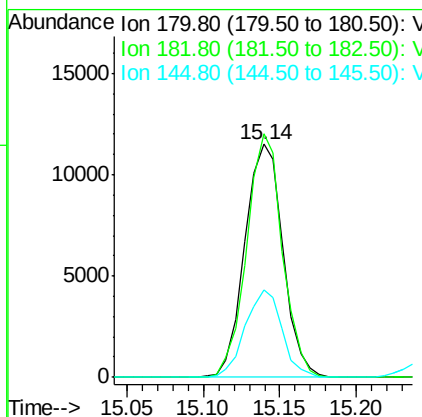
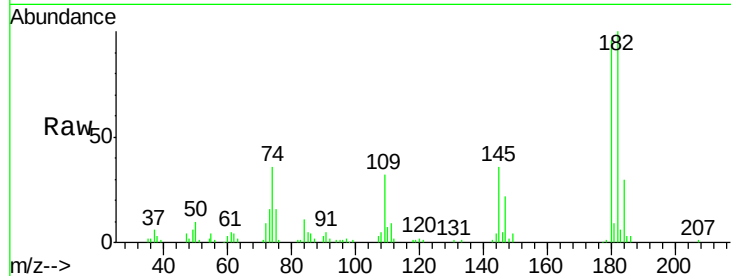
#93
 1,2,4-Trichlorobenzene
 Concen: 18.912 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0104SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	46.6	139.8
145	36.0	17.2	51.6

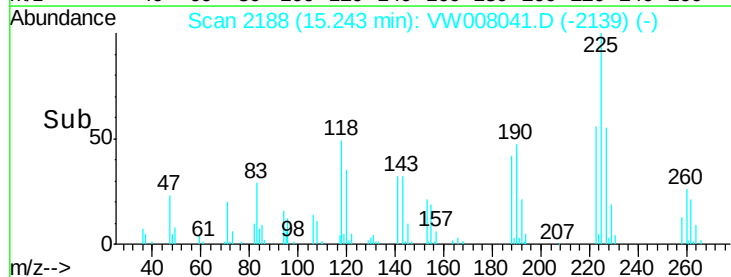
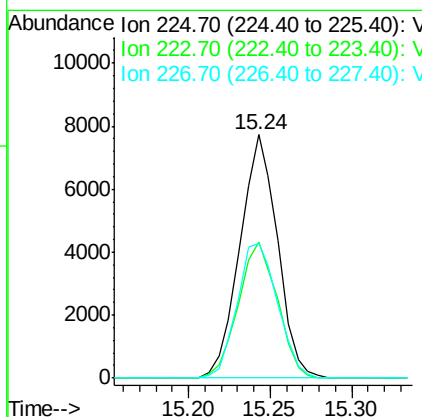
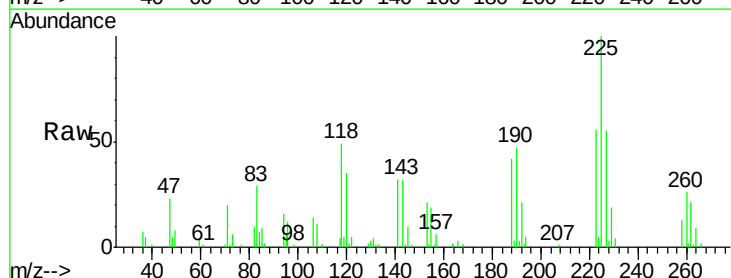
Manual Integrations
 APPROVED

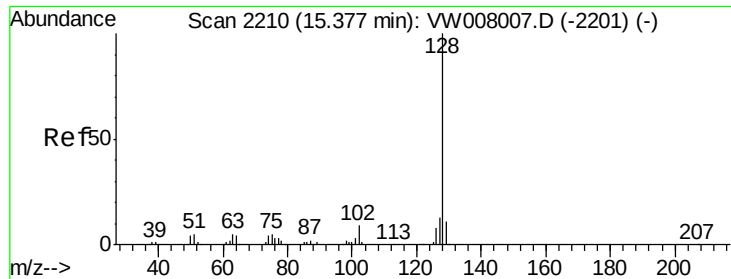
MMDadoda
 1/7/2019 1:22:45 PM



#94
 Hexachlorobutadiene
 Concen: 20.297 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008041.D
 Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.0	30.6	92.0
227	59.6	31.3	93.8





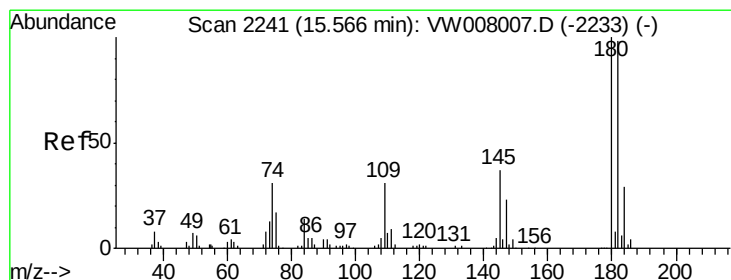
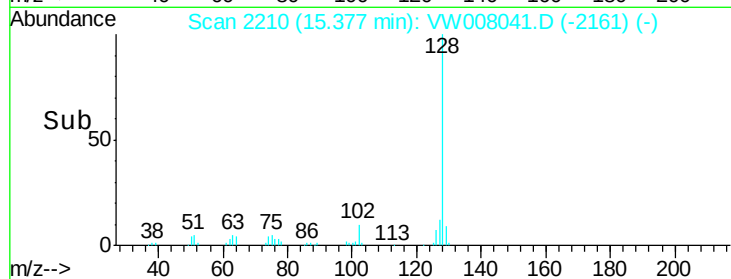
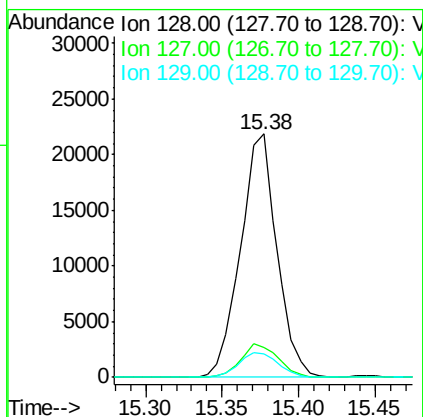
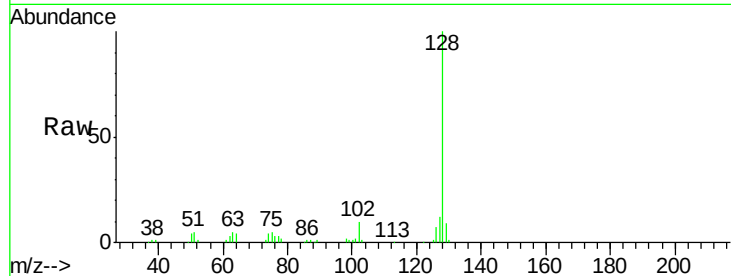
#95
Naphthalene
Concen: 20.069 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW0104SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.8	16.2
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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1/7/2019 1:22:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.354 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008041.D
Acq: 04 Jan 2019 12:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.9	143.8
145	38.3	18.7	56.1

