

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122518\
 Data File : VW007882.D
 Acq On : 24 Dec 2018 12:24
 Operator : SY/AP
 Sample : VW1225SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 4:38:14 PM

Quant Time: Dec 25 02:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	73385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	119936	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	104579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	52124	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	41307	51.36	ug/l	0.00
Spiked Amount			Recovery	=	102.72%	
35) Dibromofluoromethane	7.88	113	37907	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
50) Toluene-d8	10.32	98	149379	54.16	ug/l	0.00
Spiked Amount			Recovery	=	108.32%	
62) 4-Bromofluorobenzene	12.62	95	57257	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	13756	21.086	ug/l	99
3) Chloromethane	2.21	50	12423	31.011	ug/l	98
4) Vinyl Chloride	2.37	62	15965	31.307	ug/l	98
5) Bromomethane	2.78	94	9512	26.781	ug/l	94
6) Chloroethane	2.92	64	8119	29.760	ug/l	92
7) Trichlorofluoromethane	3.25	101	11164	21.028	ug/l	93
8) Diethyl Ether	3.68	74	7839	24.106	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18051	23.086	ug/l	99
10) Methyl Iodide	4.26	142	27931	22.463	ug/l	97
11) Tert butyl alcohol	5.17	59	6379	117.567	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	17581	24.282	ug/l	96
13) Acrolein	3.89	56	4704	108.430	ug/l	98
14) Allyl chloride	4.66	41	26237	27.633	ug/l	92
15) Acrylonitrile	5.37	53	15587	112.369	ug/l	98
16) Acetone	4.12	43	17120	113.664	ug/l	94
17) Carbon Disulfide	4.37	76	50224	22.416	ug/l	99
18) Methyl Acetate	4.67	43	8096	22.602	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	25653	24.680	ug/l #	91
20) Methylene Chloride	4.91	84	25535	31.577	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	18636	23.403	ug/l	90
22) Diisopropyl ether	6.31	45	46765	26.304	ug/l	96
23) Vinyl Acetate	6.25	43	128961	122.091	ug/l	96
24) 1,1-Dichloroethane	6.21	63	32451	24.812	ug/l	99
25) 2-Butanone	7.17	43	20272	114.908	ug/l	94
26) 2,2-Dichloropropane	7.17	77	23975	25.051	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	20234	23.850	ug/l	98
28) Bromochloromethane	7.51	49	10279	23.051	ug/l	88
29) Tetrahydrofuran	7.52	42	12361	117.465	ug/l	96
30) Chloroform	7.67	83	33745	22.799	ug/l	98
31) Cyclohexane	7.95	56	31915	26.655	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	31166	23.120	ug/l	98
36) 1,1-Dichloropropene	8.08	75	27606	23.848	ug/l	99
37) Ethyl Acetate	7.25	43	9019	22.576	ug/l	99
38) Carbon Tetrachloride	8.07	117	28432	20.855	ug/l	99

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Quant Time: Dec 25 02:10:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35712	24.827	ug/l	98
40) Benzene	8.32	78	73481	23.788	ug/l	99
41) Methacrylonitrile	7.48	41	5453	24.041	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	22158	21.405	ug/l	99
43) Isopropyl Acetate	8.43	43	17903	22.368	ug/l	99
44) Trichloroethene	9.09	130	20932	22.407	ug/l	99
45) 1,2-Dichloropropane	9.37	63	17020	24.831	ug/l	99
46) Dibromomethane	9.46	93	8901	21.096	ug/l	94
47) Bromodichloromethane	9.64	83	23230	20.943	ug/l	98
48) Methyl methacrylate	9.44	41	9675m	24.217	ug/l	
49) 1,4-Dioxane	9.45	88	2734	408.700	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	41129	108.732	ug/l	99
52) Toluene	10.39	92	48857	23.574	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	24154	21.892	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	27586	22.636	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	12491	21.474	ug/l	97
56) Ethyl methacrylate	10.65	69	15157	22.055	ug/l	95
57) 1,3-Dichloropropane	10.93	76	21428	22.185	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	34751	110.751	ug/l	97
59) 2-Hexanone	10.97	43	29614	111.323	ug/l	99
60) Dibromochloromethane	11.13	129	14539	18.878	ug/l	96
61) 1,2-Dibromoethane	11.24	107	12177	20.673	ug/l	98
64) Tetrachloroethene	10.86	164	17195	23.219	ug/l	96
65) Chlorobenzene	11.66	112	52827	23.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	18084	22.359	ug/l	99
67) Ethyl Benzene	11.73	91	95947	24.702	ug/l	100
68) m/p-Xylenes	11.84	106	73770	48.960	ug/l	98
69) o-Xylene	12.17	106	34714	24.578	ug/l	99
70) Styrene	12.18	104	56318	24.258	ug/l	98
71) Bromoform	12.35	173	7555	17.994	ug/l #	97
73) Isopropylbenzene	12.47	105	99691	25.302	ug/l	99
74) N-amyl acetate	12.27	43	16587	24.305	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	12883	21.808	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	10340m	25.666	ug/l	
77) Bromobenzene	12.75	156	20618	22.834	ug/l	95
78) n-propylbenzene	12.81	91	115826	25.254	ug/l	98
79) 2-Chlorotoluene	12.90	91	66867	25.027	ug/l	97
80) 1,3,5-Trimethylbenzene	12.95	105	84747	24.936	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	4129	21.513	ug/l	100
82) 4-Chlorotoluene	12.99	91	69525	24.439	ug/l	99
83) tert-Butylbenzene	13.21	119	74871	25.108	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	84696	24.698	ug/l	99
85) sec-Butylbenzene	13.39	105	104157	25.344	ug/l	99
86) p-Isopropyltoluene	13.51	119	93343	24.978	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	41889	23.365	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	41920	23.376	ug/l	99
89) n-Butylbenzene	13.83	91	88145	25.726	ug/l	99
90) Hexachloroethane	14.10	117	14053	21.420	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	37305	23.241	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2338	19.272	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25545	22.926	ug/l	99
94) Hexachlorobutadiene	15.24	225	14635	24.578	ug/l	99
95) Naphthalene	15.38	128	45741	22.204	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	21724	22.777	ug/l	98

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

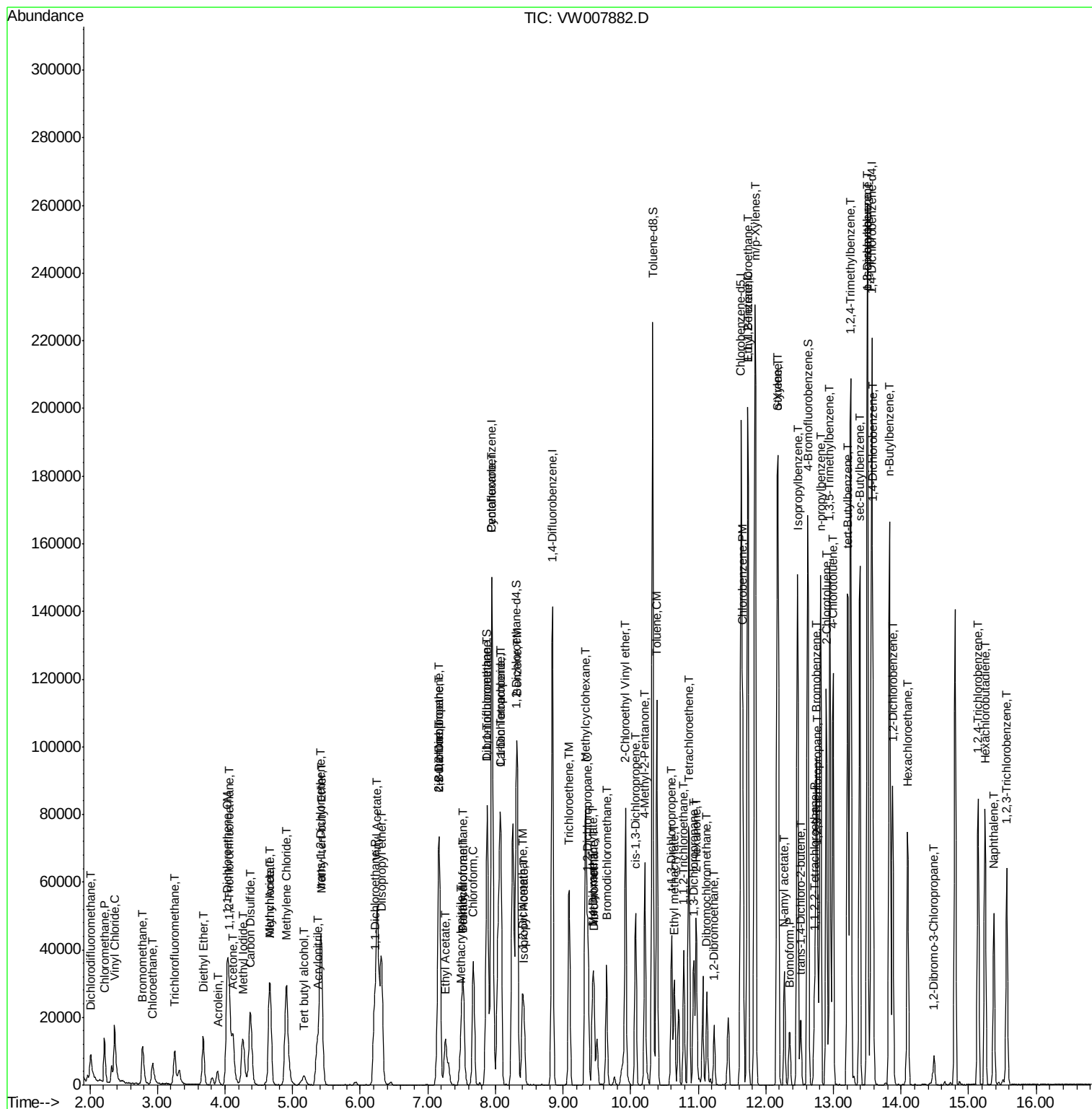
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW122518\
Data File : VW007882.D
Acq On : 24 Dec 2018 12:24
Operator : SY/AP
Sample : VW1225SBS01
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ALS Vial : 4 Sample Multiplier: 1

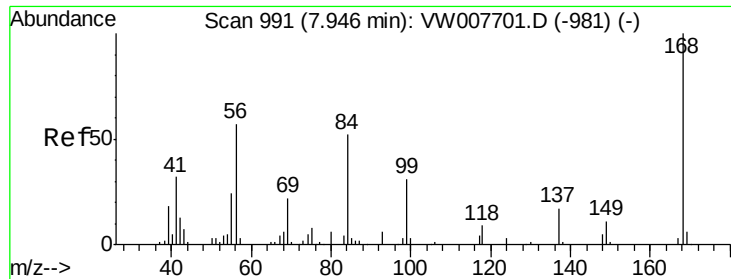
Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion:168 Resp: 73385

Ion Ratio Lower Upper

168 100

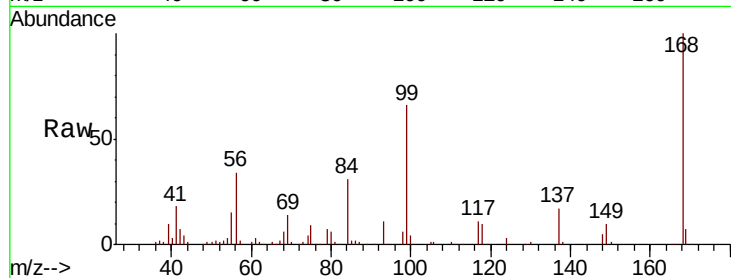
99 66.1 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

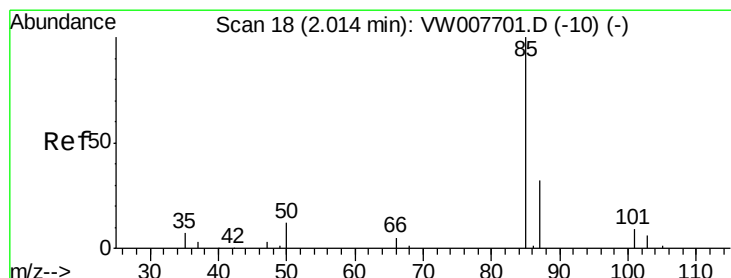
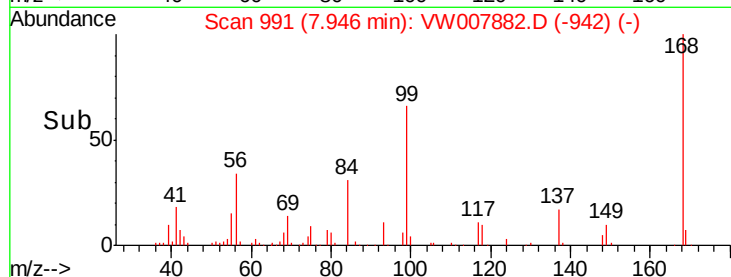
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.086 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007882.D

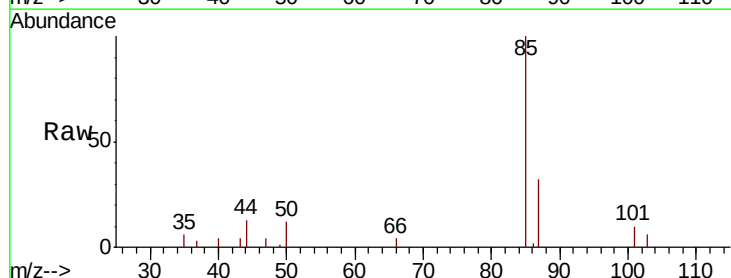
Acq: 24 Dec 2018 12:24

Tgt Ion: 85 Resp: 13756

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

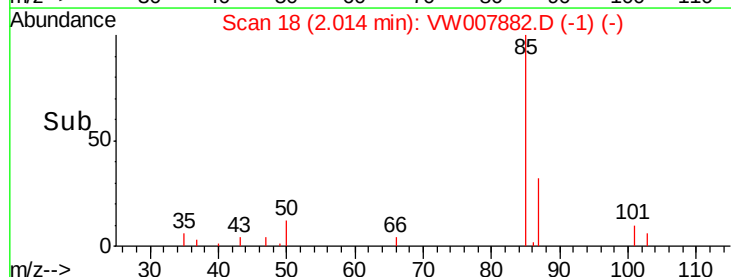
2000

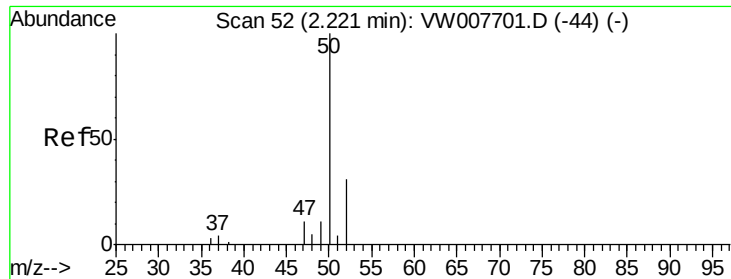
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 31.011 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 50 Resp: 12423

Ion Ratio Lower Upper

50 100

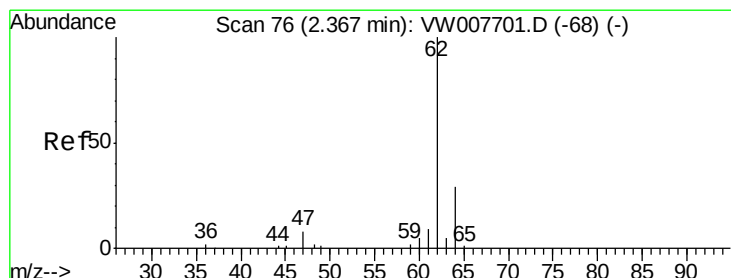
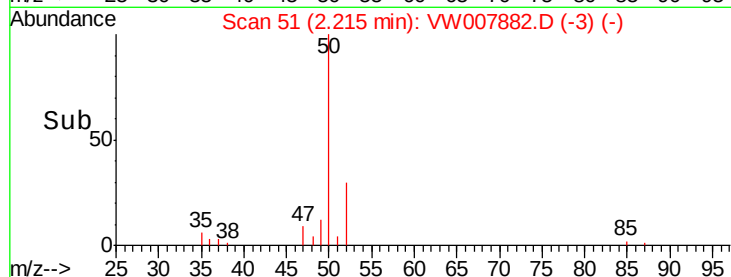
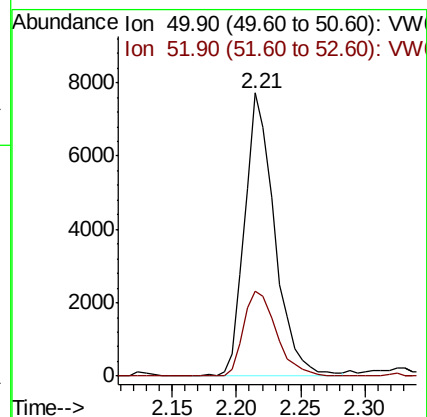
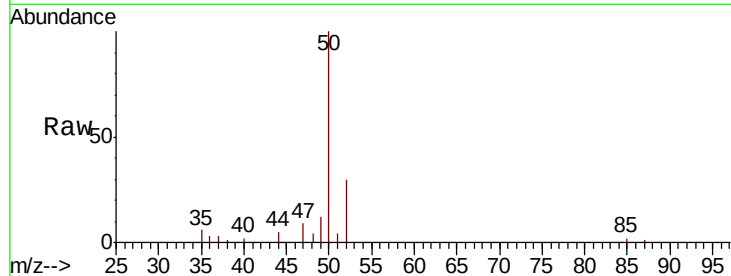
52 30.2 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 31.307 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007882.D

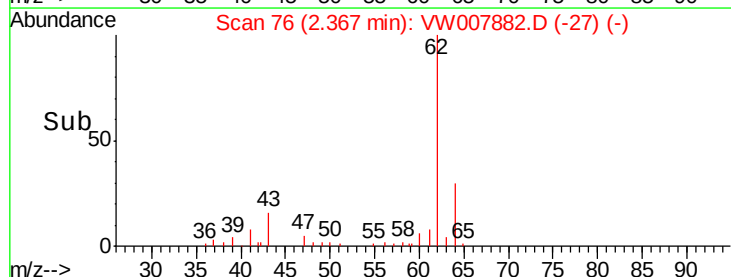
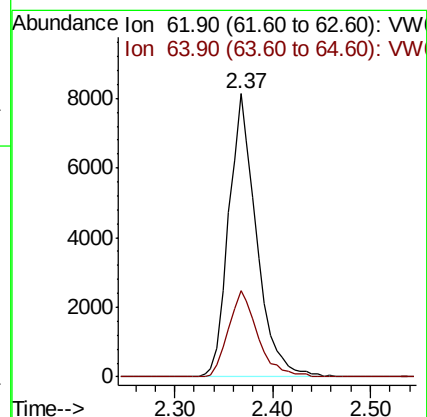
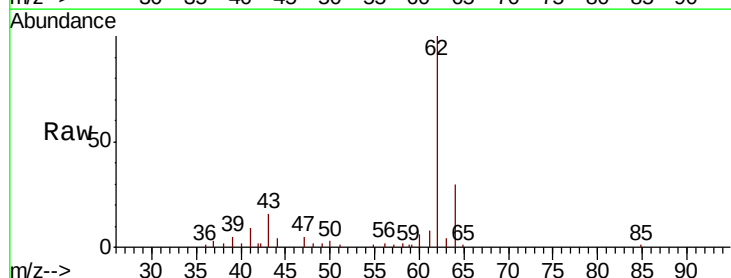
Acq: 24 Dec 2018 12:24

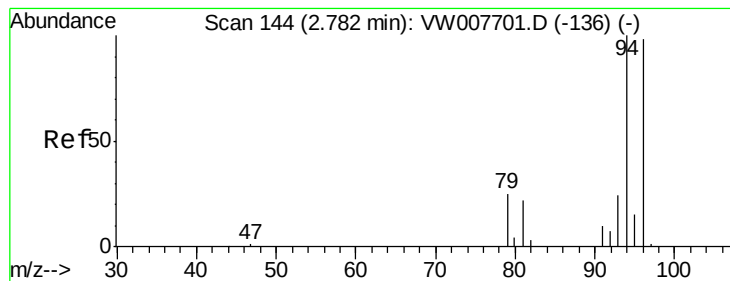
Tgt Ion: 62 Resp: 15965

Ion Ratio Lower Upper

62 100

64 30.3 23.4 35.0





#5

Bromomethane

Concen: 26.781 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 94 Resp: 9512

Ion Ratio Lower Upper

94 100

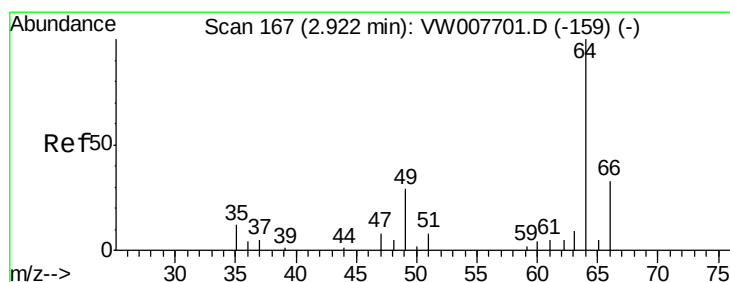
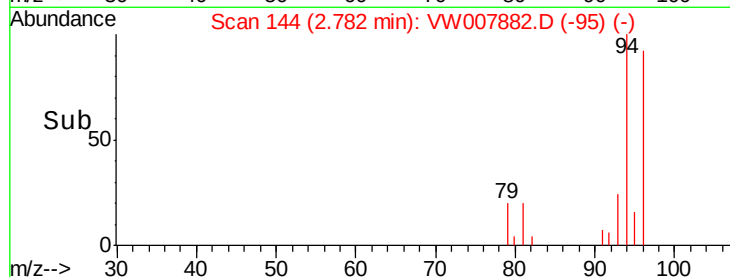
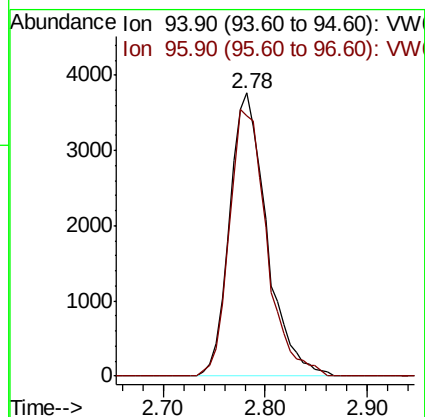
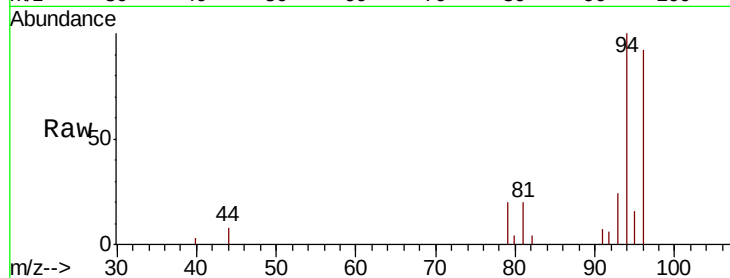
96 92.2 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 29.760 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007882.D

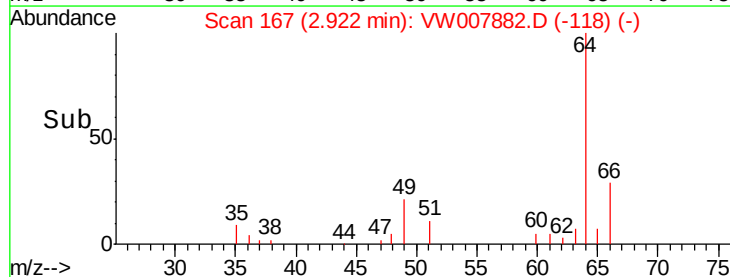
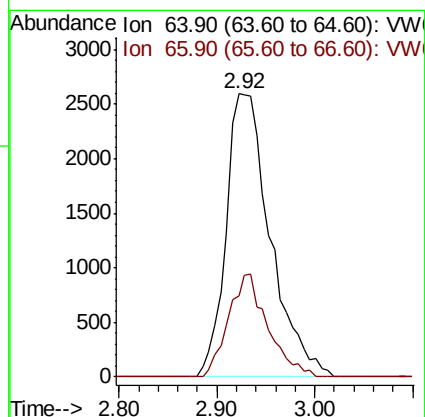
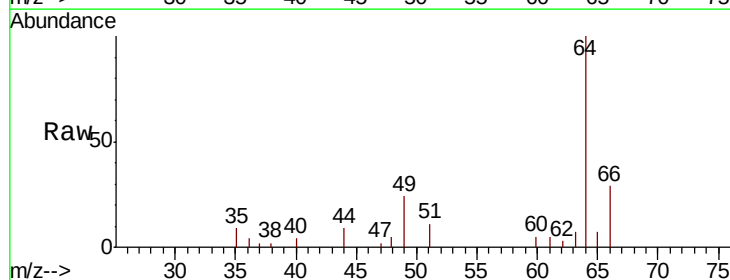
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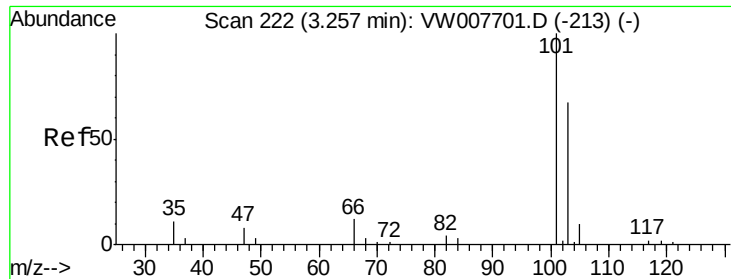
Tgt Ion: 64 Resp: 8119

Ion Ratio Lower Upper

64 100

66 28.5 26.2 39.4





#7

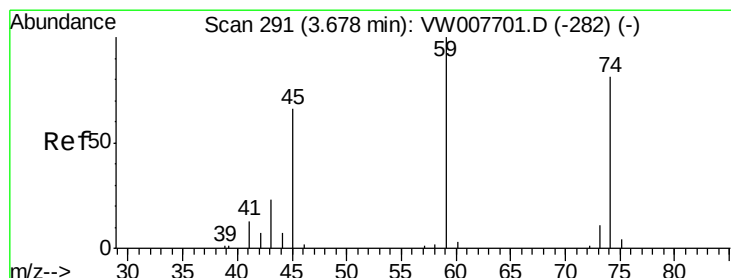
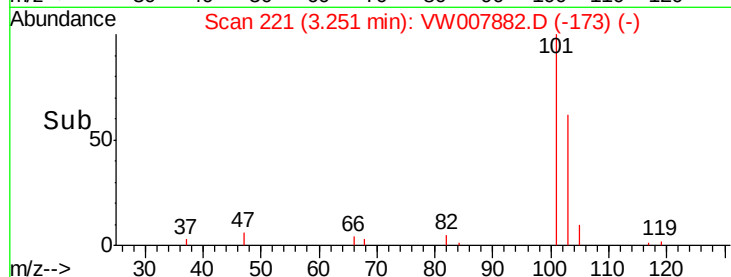
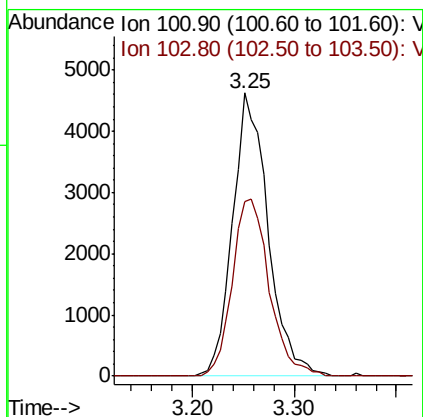
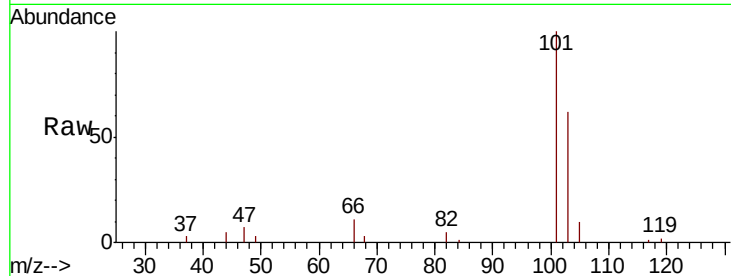
Trichlorofluoromethane
 Concen: 21.028 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion:101 Resp: 11164
 Ion Ratio Lower Upper
 101 100
 103 61.6 53.4 80.2

Manual Integrations
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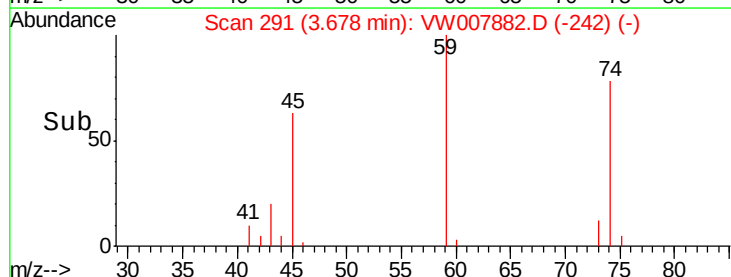
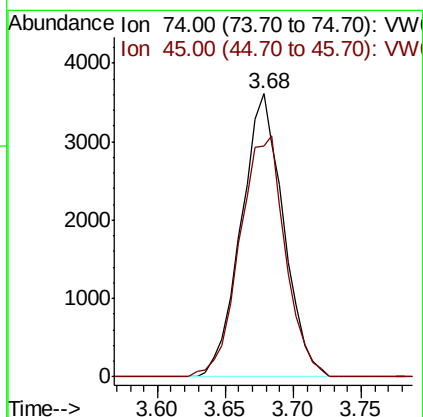
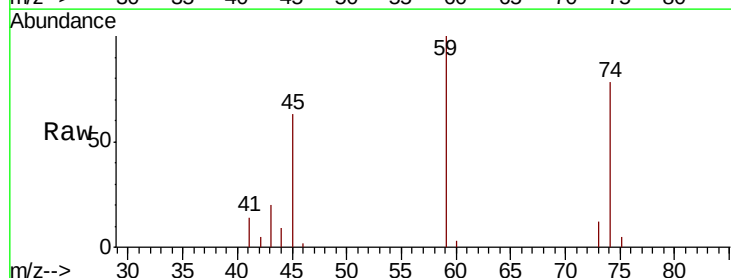
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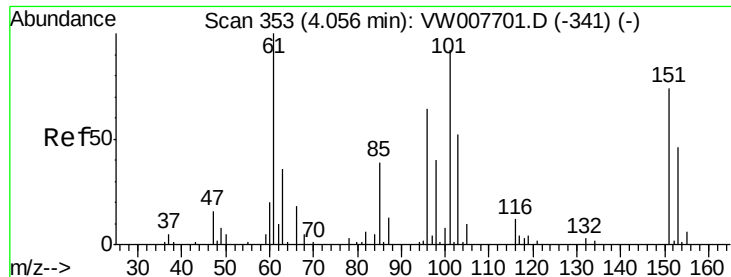


#8

Diethyl Ether
 Concen: 24.106 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 74 Resp: 7839
 Ion Ratio Lower Upper
 74 100
 45 91.6 39.4 118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.086 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

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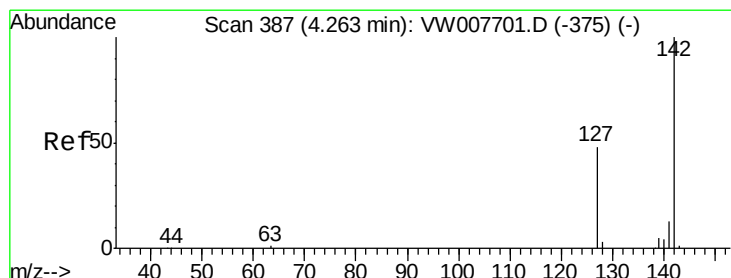
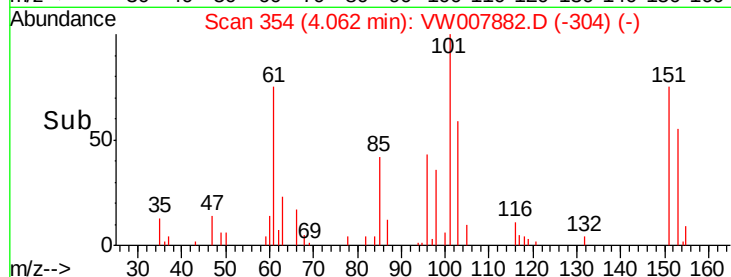
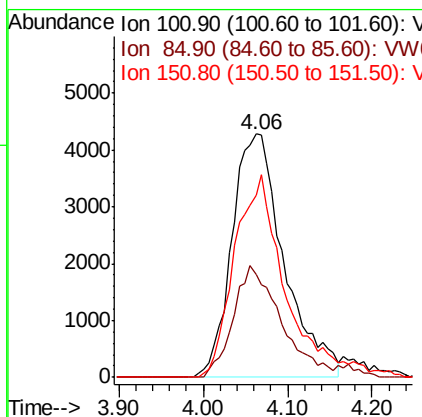
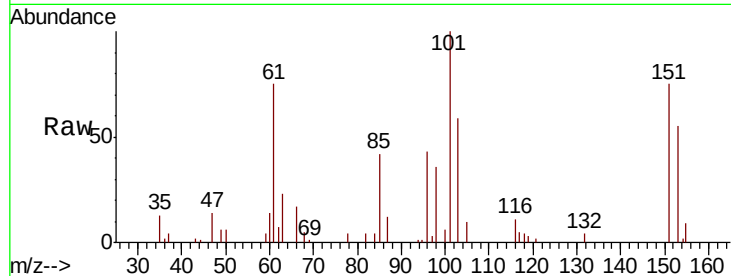
ClientSampleId :

VW1225SBS01

Tot Ion:	101	Resp:	18051
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.3	51.5
151	79.5	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 22.463 ug/l

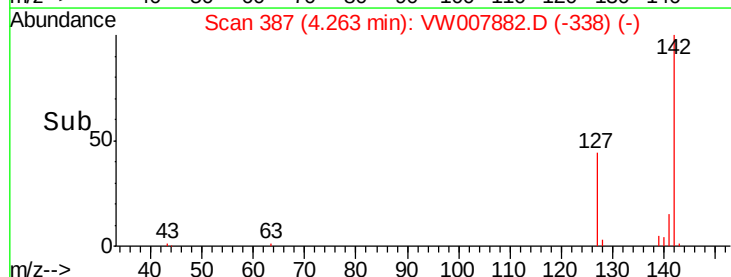
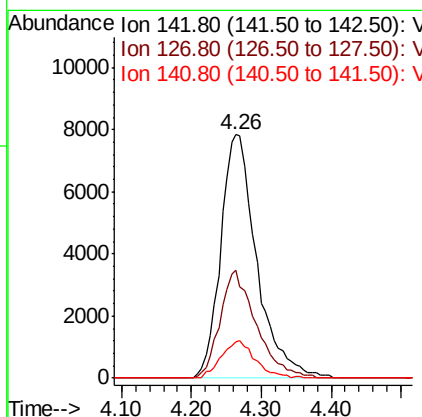
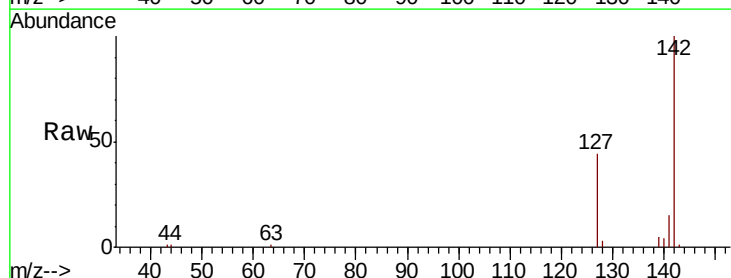
RT: 4.26 min Scan# 387

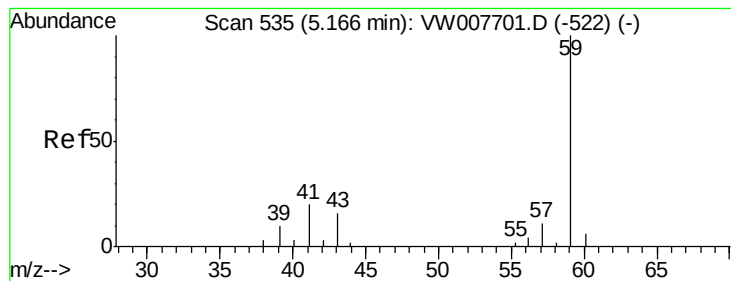
Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion:	142	Resp:	27931
Ion Ratio	Lower	Upper	
142	100		
127	44.3	37.7	56.5
141	14.3	11.5	17.3





#11

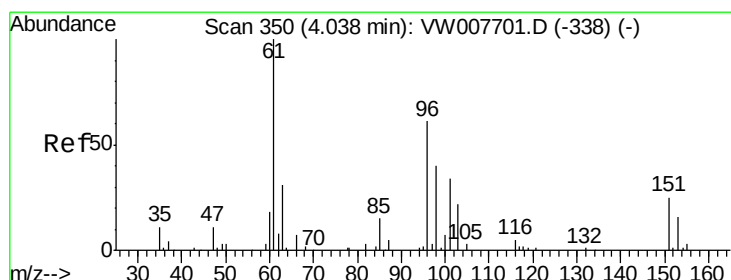
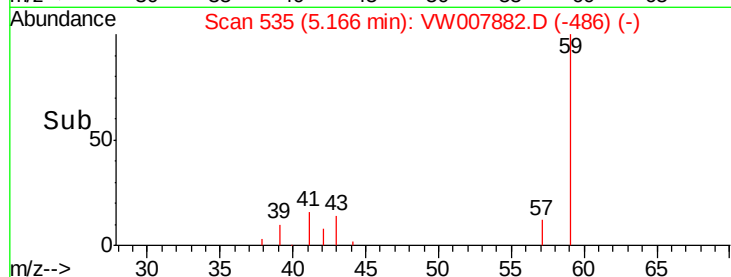
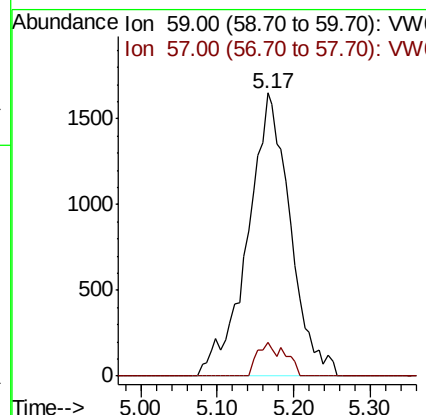
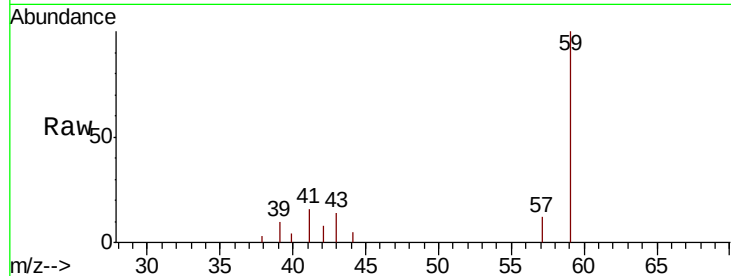
Tert butyl alcohol
 Concen: 117.567 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	7.8	11.8#

Manual Integrations
 APPROVED

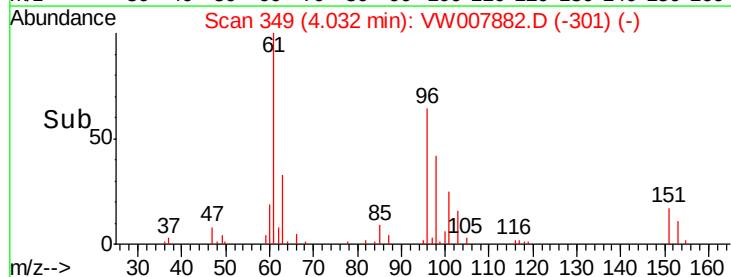
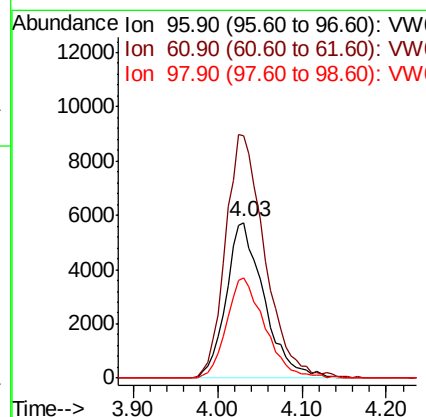
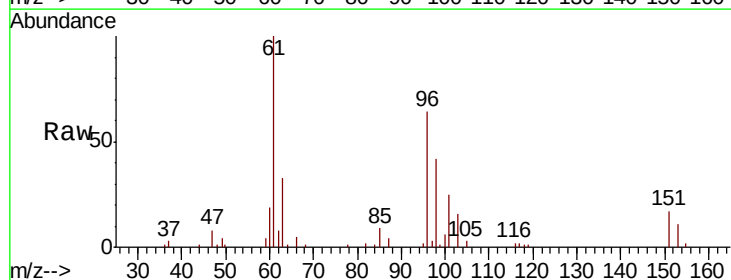
MMDadoda
 12/26/2018 4:38:14 PM

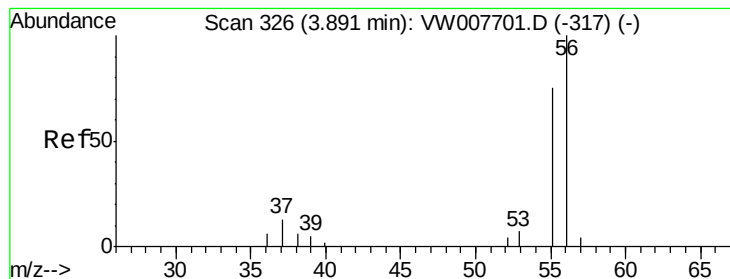


#12

1,1-Dichloroethene
 Concen: 24.282 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	130.6	195.8
98	64.7	52.3	78.5





#13

Acrolein

Concen: 108.430 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 56 Resp: 4704

Ion Ratio Lower Upper

56 100

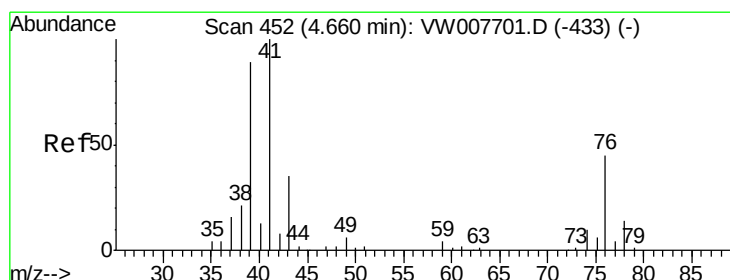
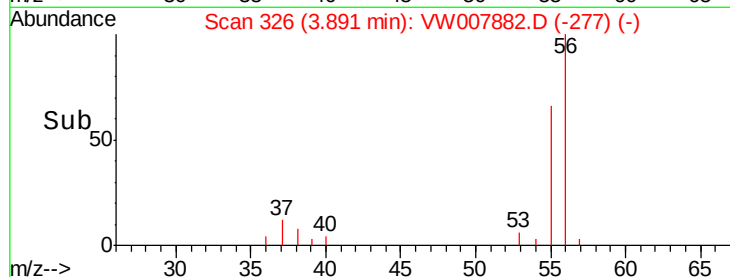
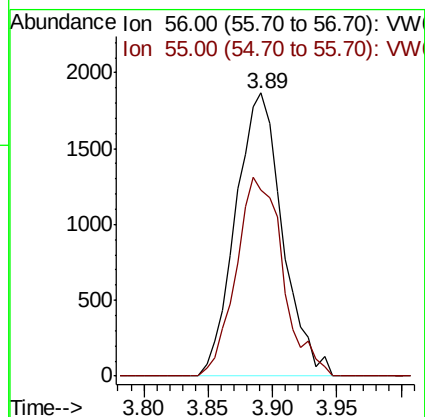
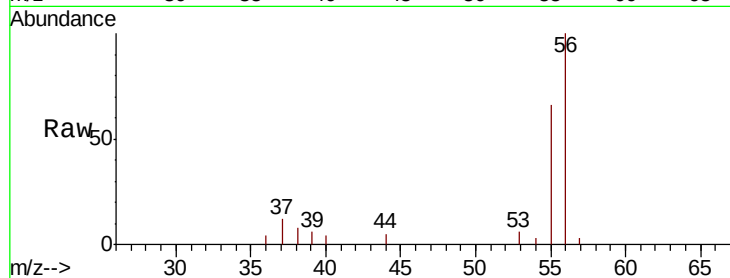
55 70.4 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 27.633 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

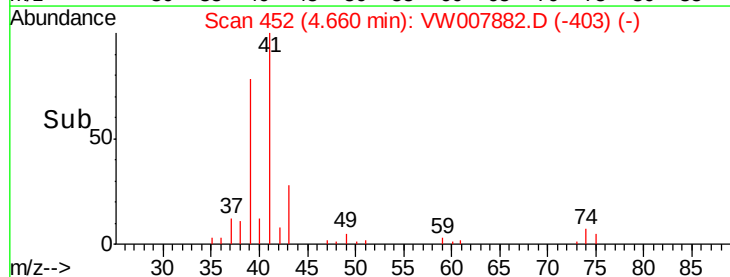
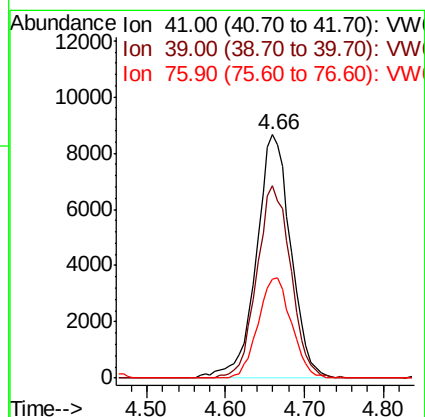
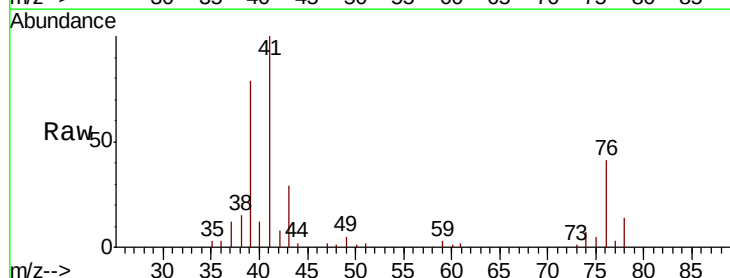
Tgt Ion: 41 Resp: 26237

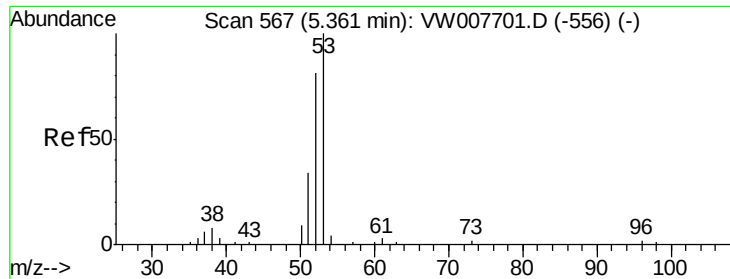
Ion Ratio Lower Upper

41 100

39 78.0 69.5 104.3

76 39.6 34.8 52.2





#15

Acrylonitrile

Concen: 112.369 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

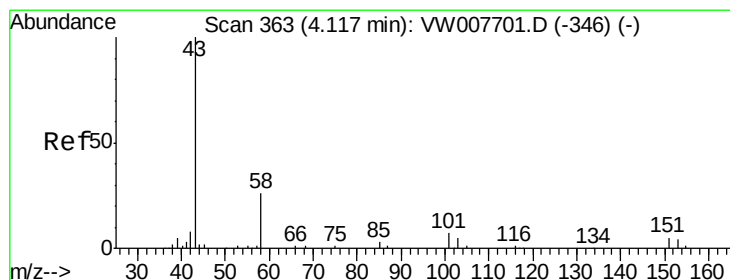
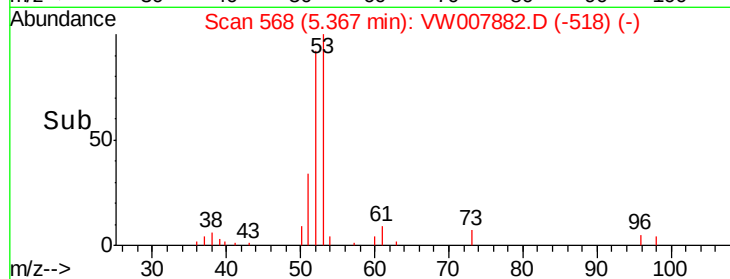
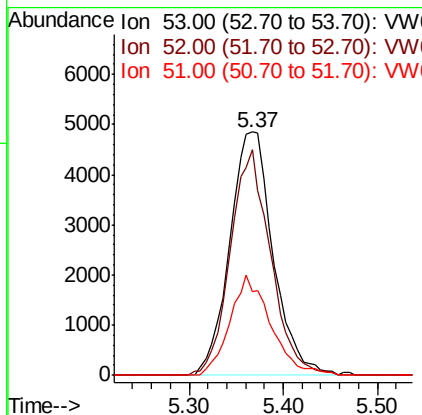
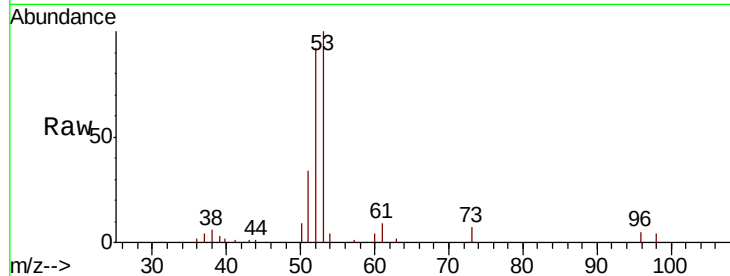
ClientSampleId :

VW1225SBS01

Tot Ion:	53	Resp:	15587
Ion	Ratio	Lower	Upper
53	100		
52	86.0	67.0	100.4
51	38.6	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 113.664 ug/l

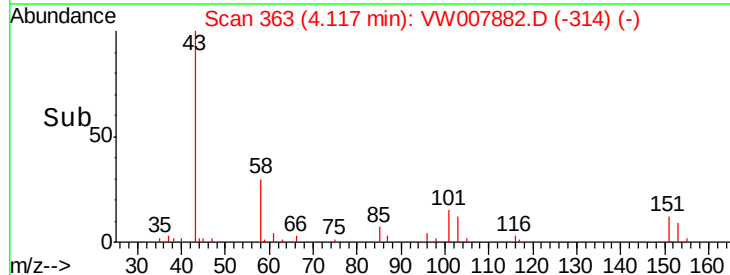
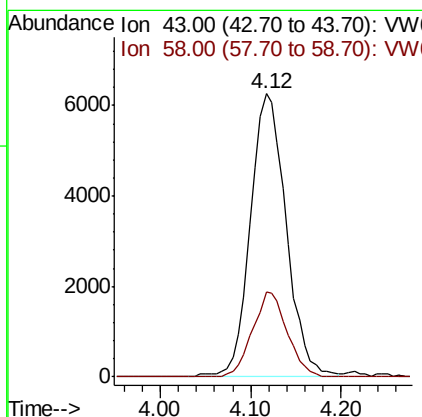
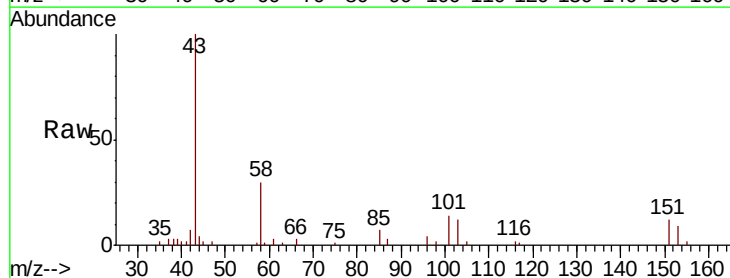
RT: 4.12 min Scan# 363

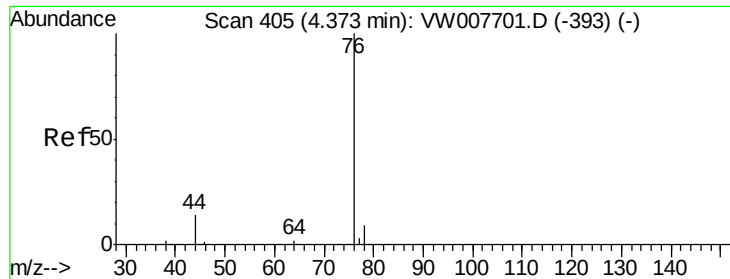
Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion:	43	Resp:	17120
Ion	Ratio	Lower	Upper
43	100		
58	29.8	21.2	31.8





#17

Carbon Disulfide

Concen: 22.416 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 76 Resp: 50224

Ion Ratio Lower Upper

76 100

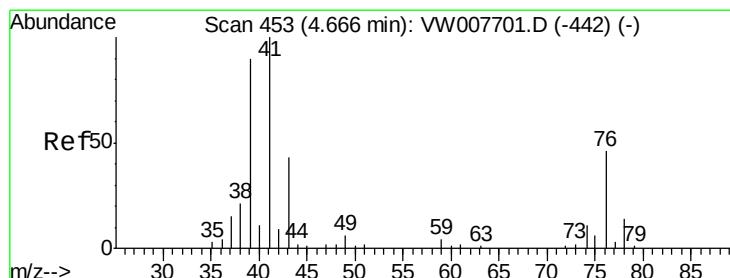
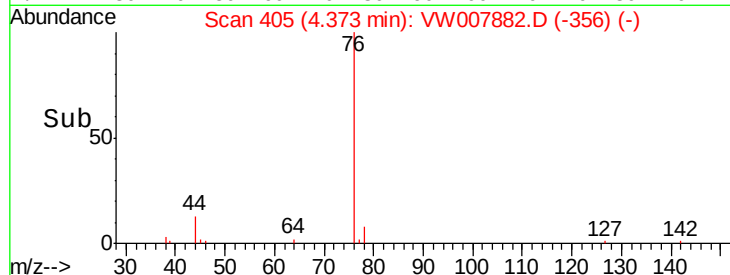
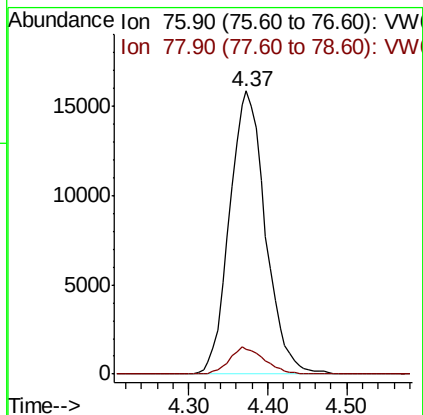
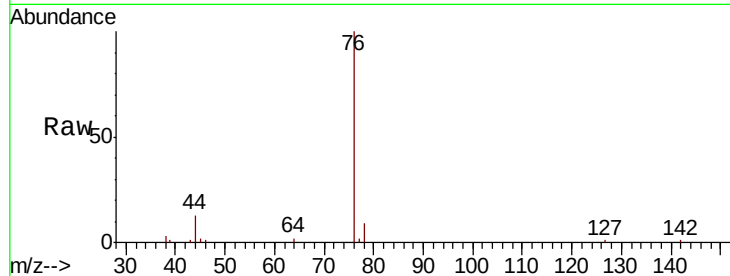
78 8.8 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 22.602 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007882.D

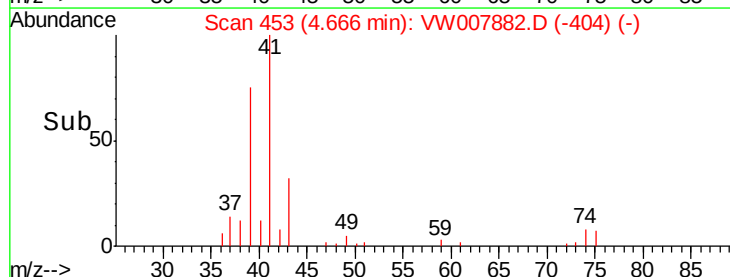
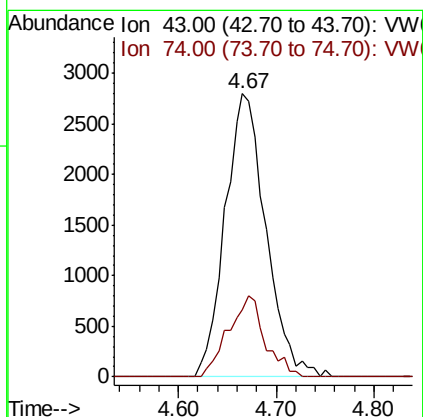
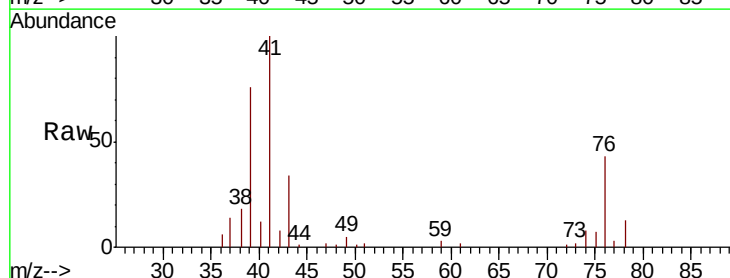
Acq: 24 Dec 2018 12:24

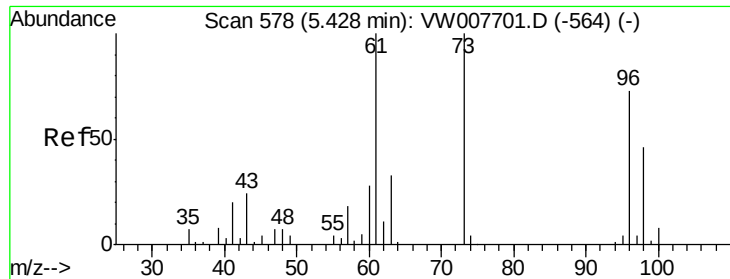
Tgt Ion: 43 Resp: 8096

Ion Ratio Lower Upper

43 100

74 25.7 22.7 34.1





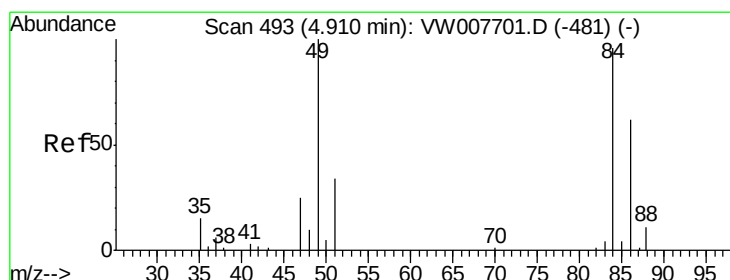
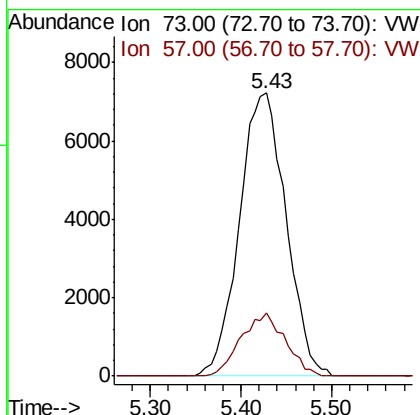
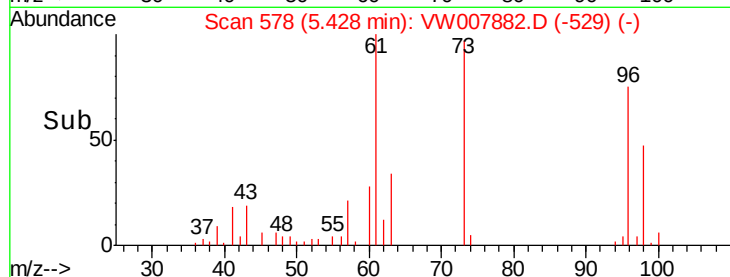
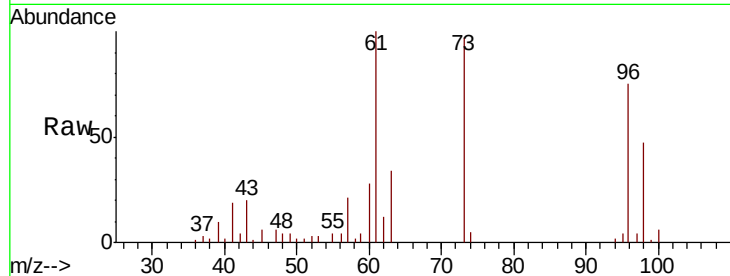
#19
Methyl tert-butyl Ether
Concen: 24.680 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion: 73 Resp: 25653
Ion Ratio Lower Upper
73 100
57 22.2 14.7 22.1#

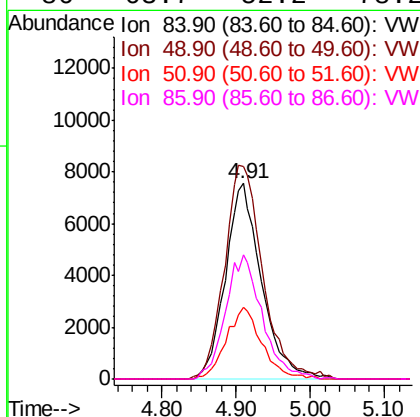
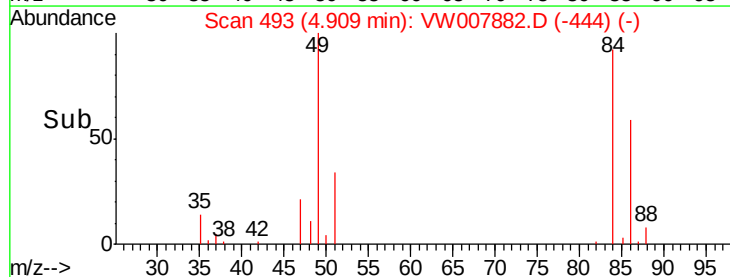
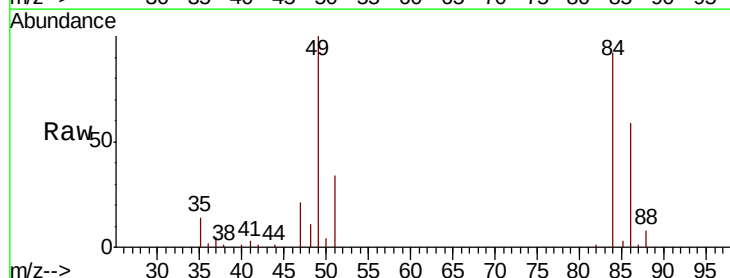
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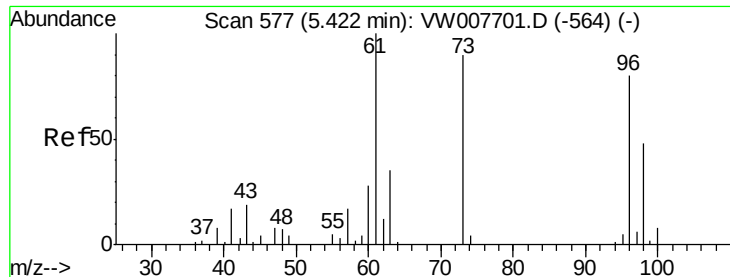
MMDadoda
12/26/2018 4:38:14 PM



#20
Methylene Chloride
Concen: 31.577 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion: 84 Resp: 25535
Ion Ratio Lower Upper
84 100
49 108.6 83.7 125.5
51 36.7 28.2 42.2
86 63.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 23.403 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 96 Resp: 18636

Ion Ratio Lower Upper

96 100

61 139.6 100.1 150.1

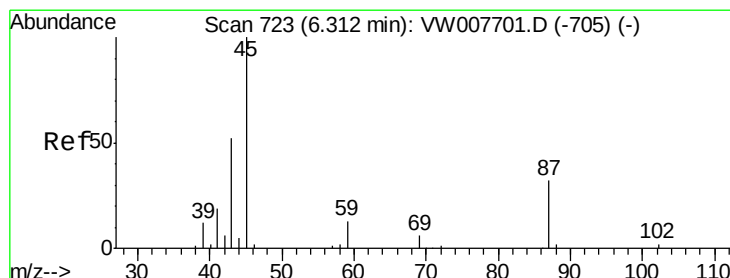
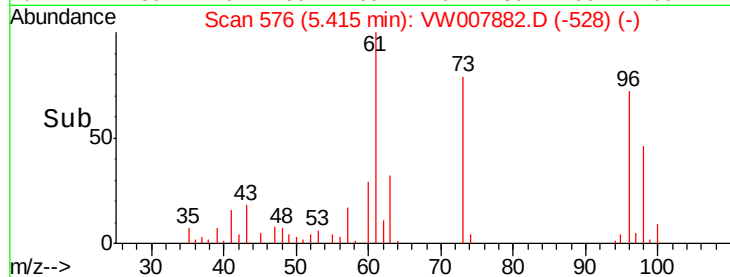
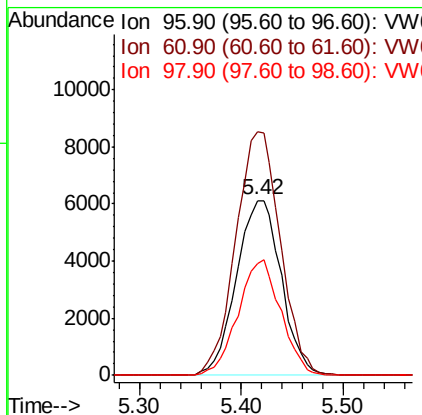
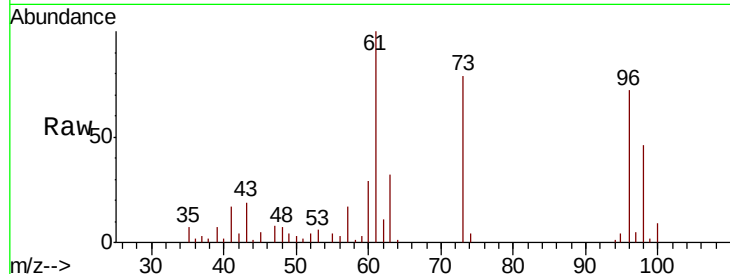
98 63.9 48.5 72.7

Manual Integrations

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#22

Diisopropyl ether

Concen: 26.304 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion: 45 Resp: 46765

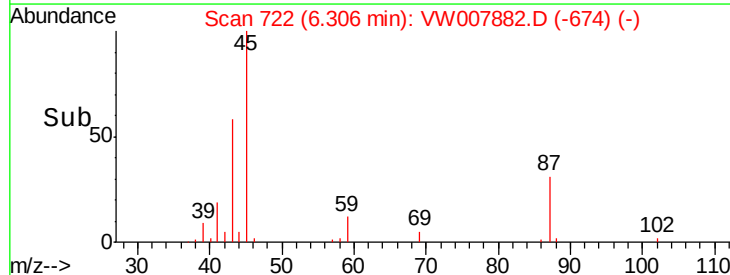
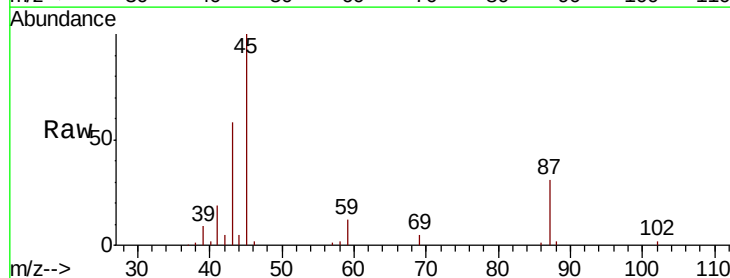
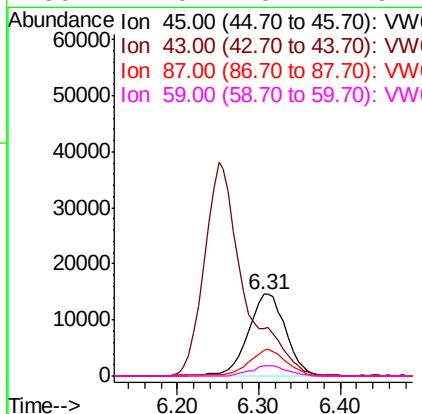
Ion Ratio Lower Upper

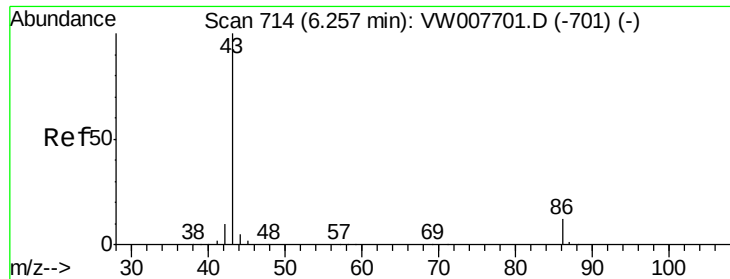
45 100

43 57.3 43.7 65.5

87 30.9 26.6 40.0

59 12.0 10.2 15.2





#23

Vinyl Acetate

Concen: 122.091 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 43 Resp: 128961

Ion Ratio Lower Upper

43 100

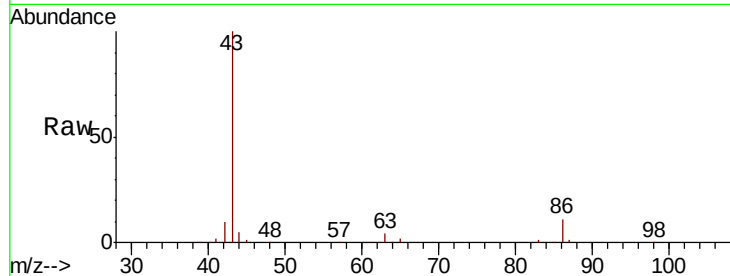
86 10.6 9.6 14.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

40000

30000

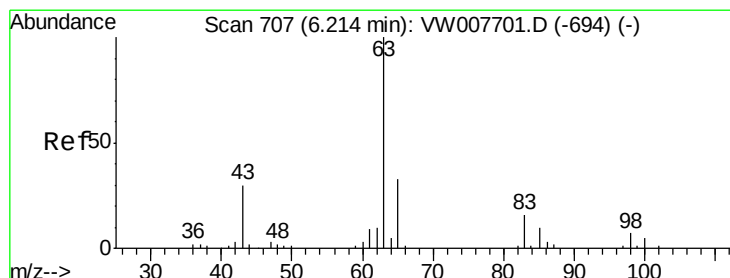
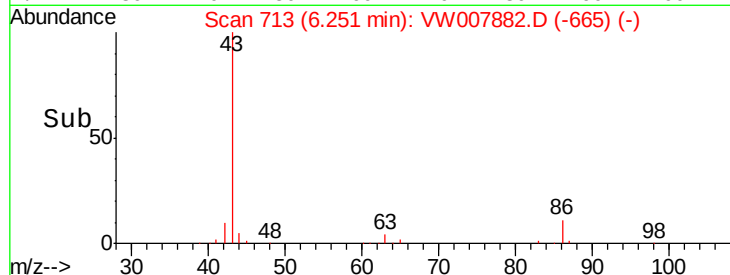
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 24.812 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

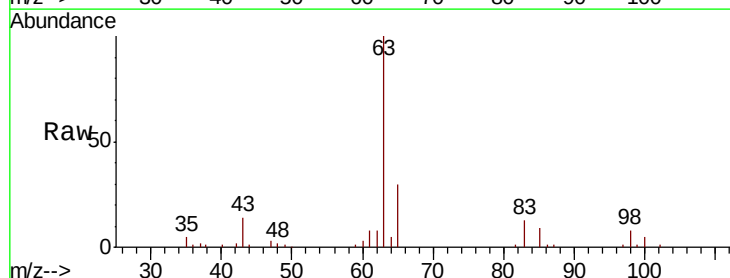
Tgt Ion: 63 Resp: 32451

Ion Ratio Lower Upper

63 100

98 7.7 3.6 10.9

100 5.2 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

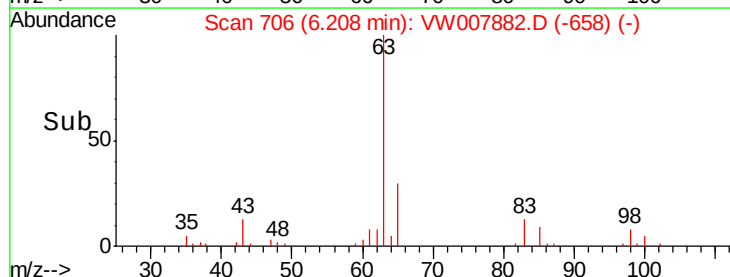
10000

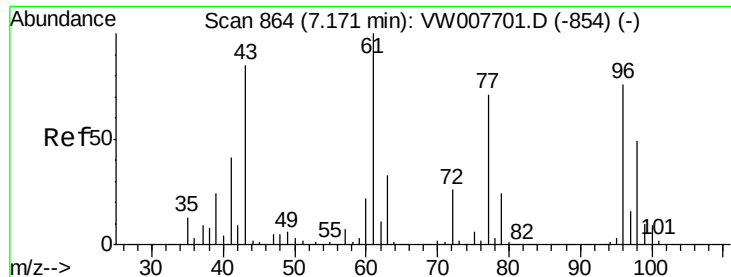
5000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 114.908 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 43 Resp: 20272

Ion Ratio Lower Upper

43 100

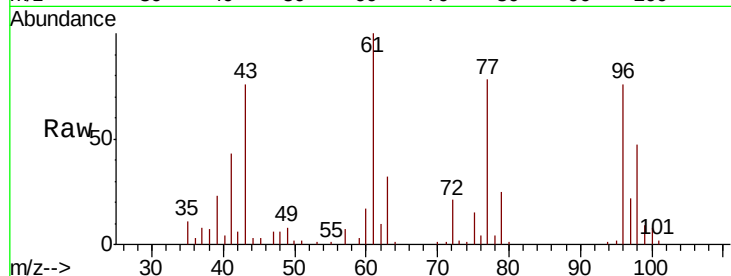
72 27.3 24.5 36.7

Manual Integrations

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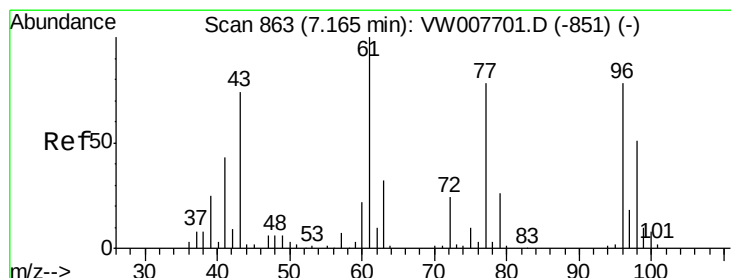
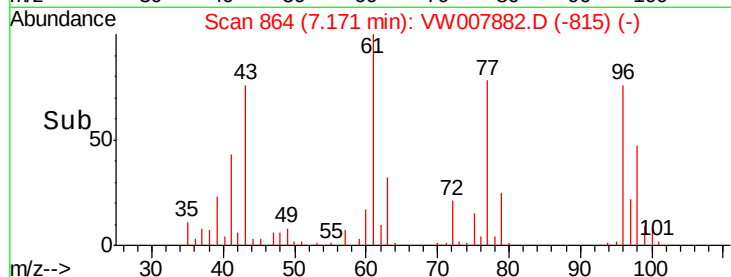
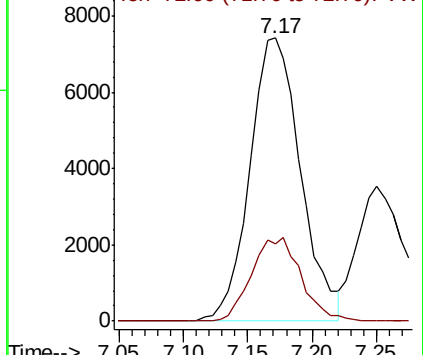
MMDadoda

12/26/2018 4:38:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 25.051 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007882.D

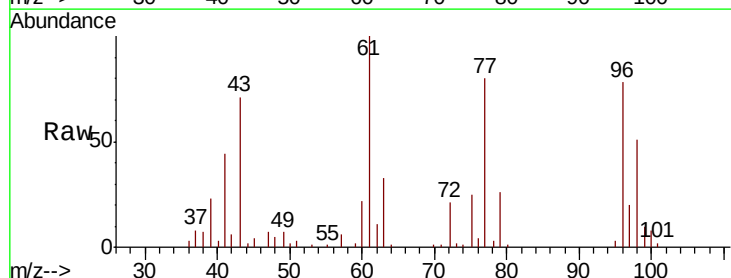
Acq: 24 Dec 2018 12:24

Tgt Ion: 77 Resp: 23975

Ion Ratio Lower Upper

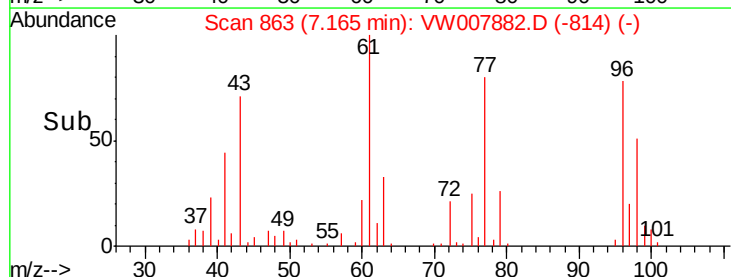
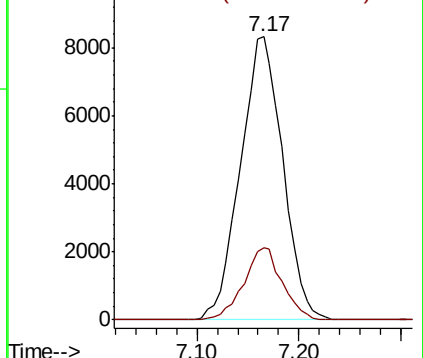
77 100

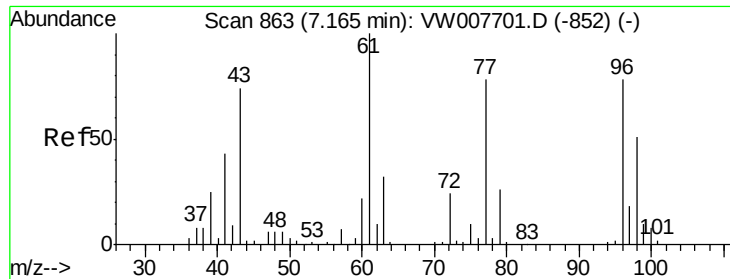
97 23.2 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW





#27

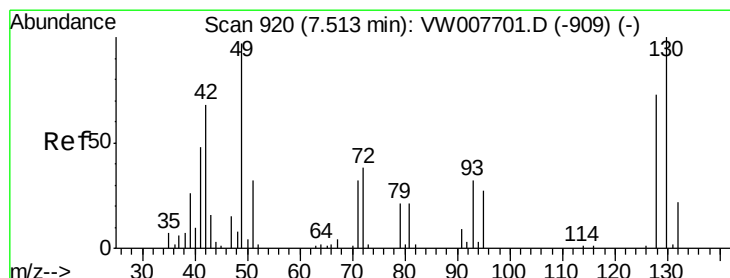
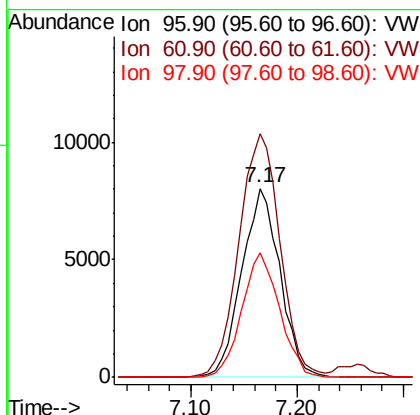
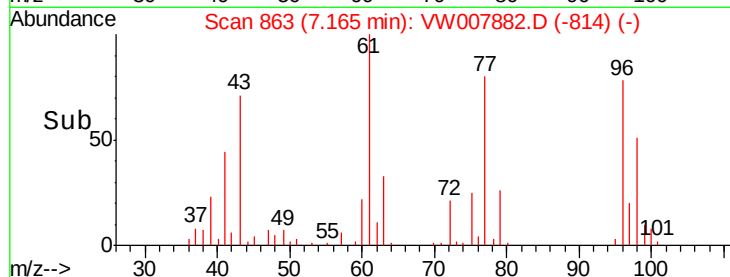
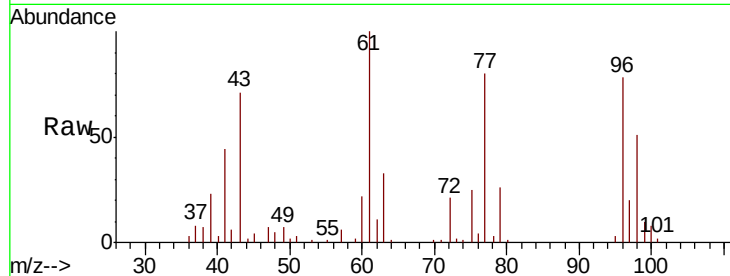
cis-1,2-Dichloroethene
Concen: 23.850 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.1	0.0	271.6
98	65.1	0.0	131.2

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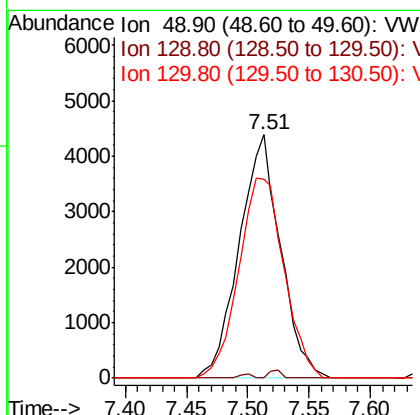
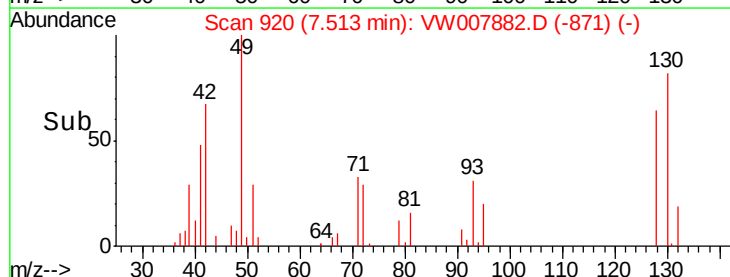
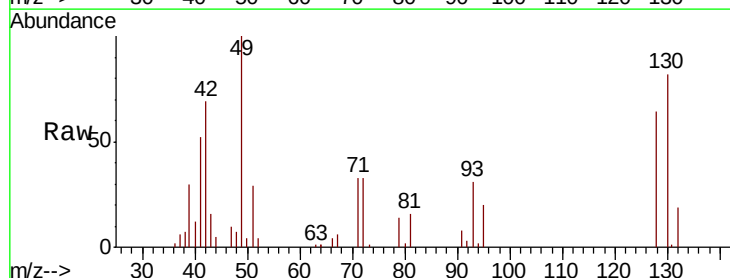
MMDadoda
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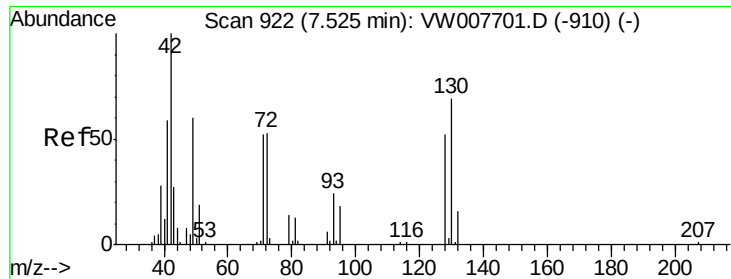


#28

Bromochloromethane
Concen: 23.051 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	2.2
130	90.1	81.5	122.3





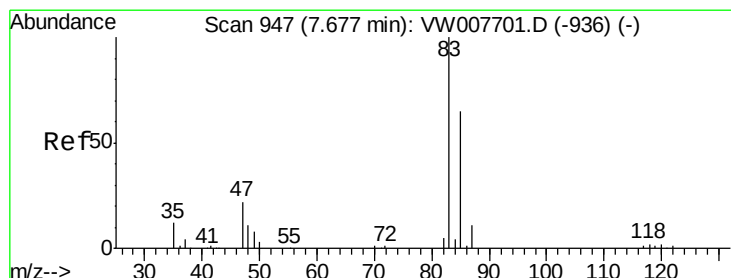
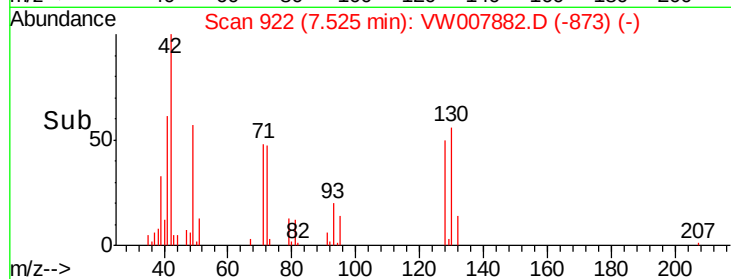
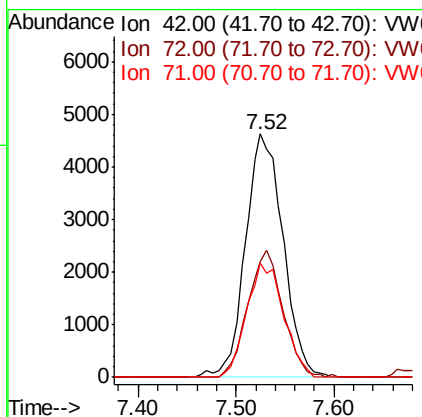
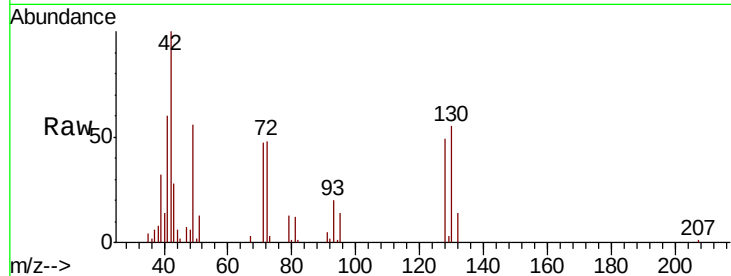
#29
Tetrahydrofuran
Concen: 117.465 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion:	42	Resp:	12361
Ion	Ratio	Lower	Upper
42	100		
72	48.8	41.7	62.5
71	46.1	39.0	58.6

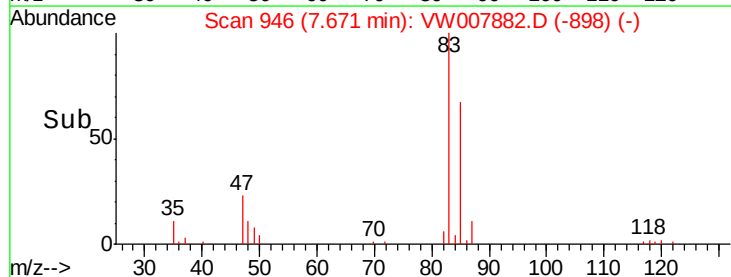
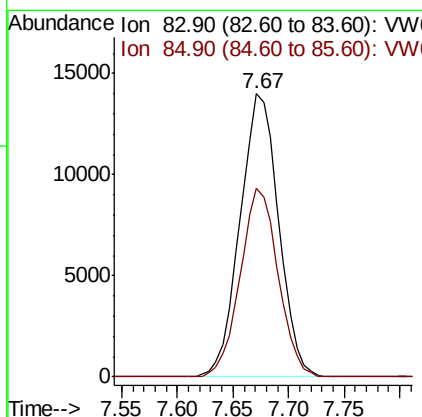
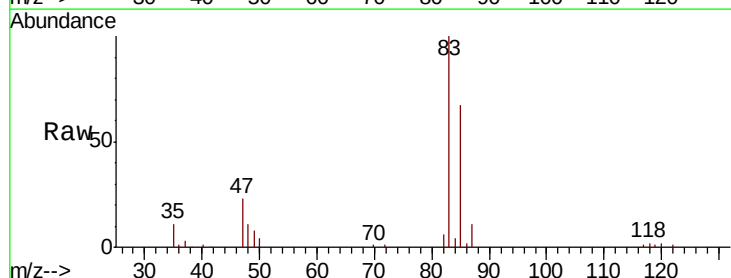
Manual Integrations
APPROVED

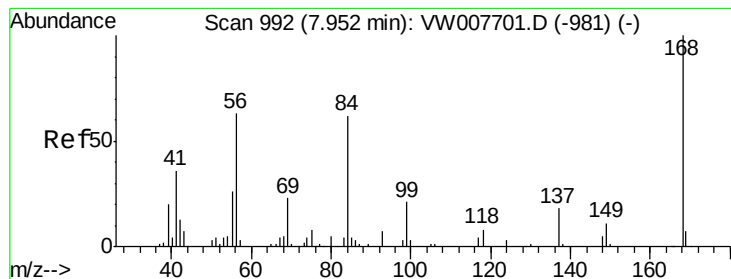
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#30
Chloroform
Concen: 22.799 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:	83	Resp:	33745
Ion	Ratio	Lower	Upper
83	100		
85	66.9	52.2	78.2





#31

Cyclohexane

Concen: 26.655 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

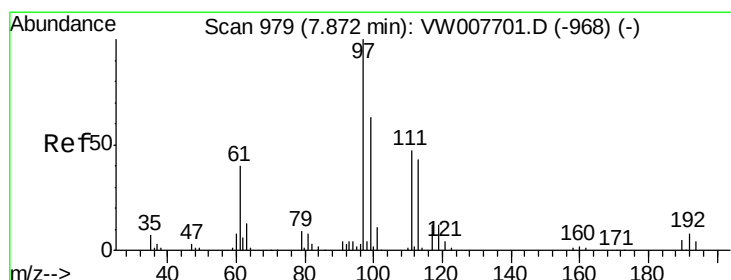
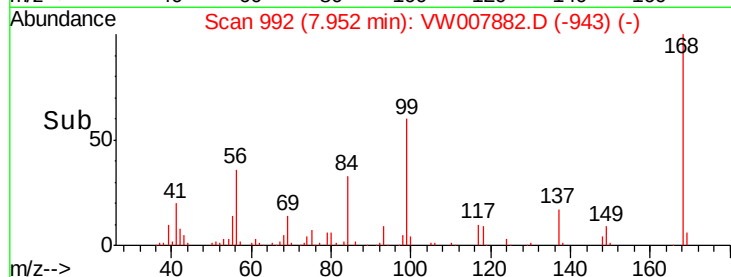
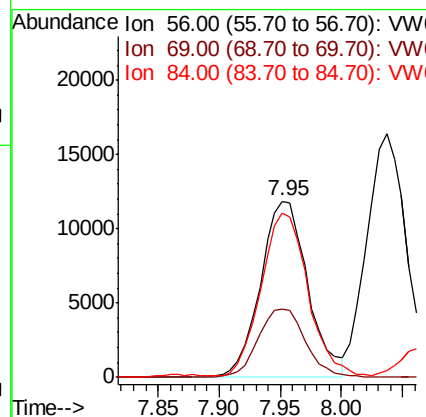
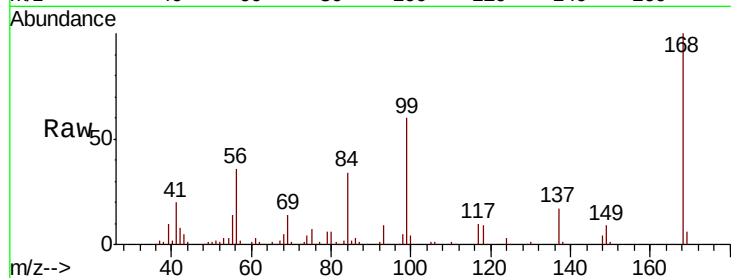
ClientSampleId :

VW1225SBS01

Tot Ion:	56	Resp:	31915
Ion	Ratio	Lower	Upper
56	100		
69	38.9	29.7	44.5
84	91.3	78.9	118.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 23.120 ug/l

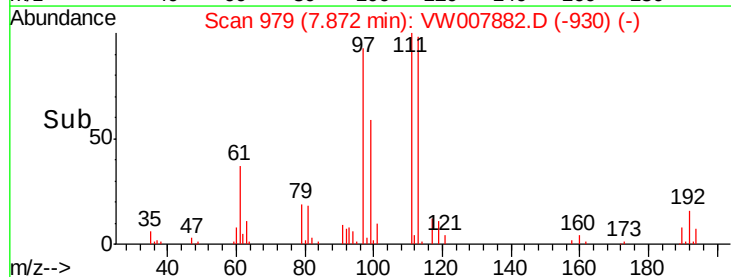
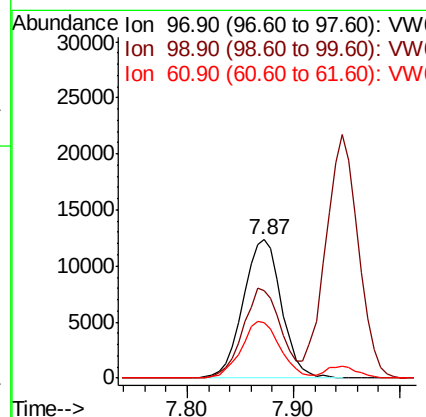
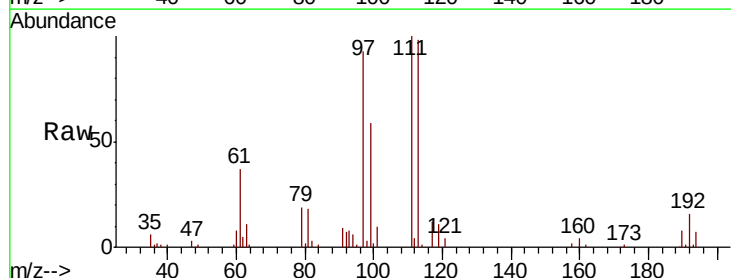
RT: 7.87 min Scan# 979

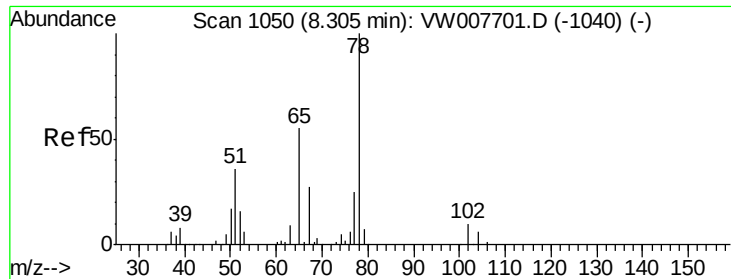
Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion:	97	Resp:	31166
Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.6	76.0
61	41.2	32.3	48.5





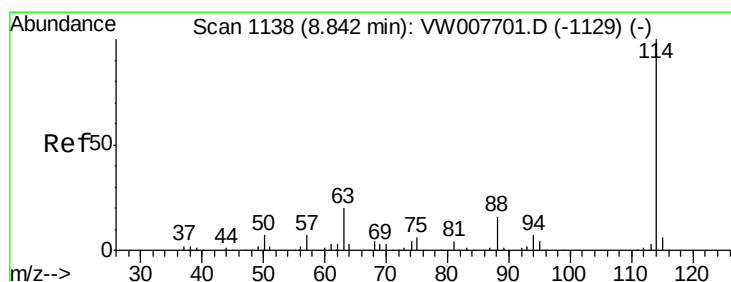
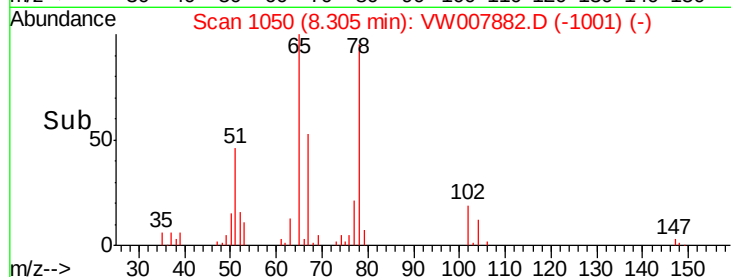
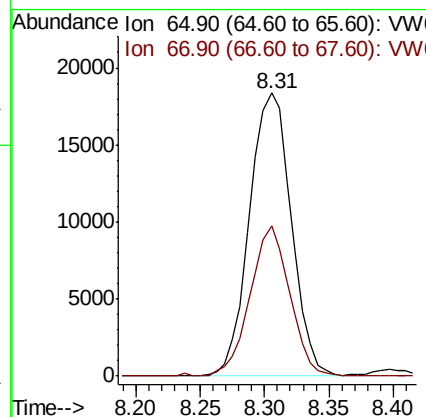
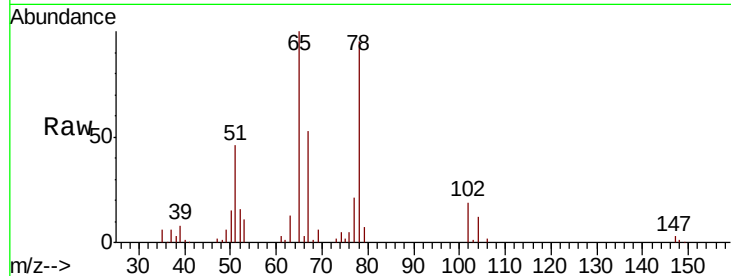
#33
 1,2-Dichloroethane-d4
 Concen: 51.356 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	100.6

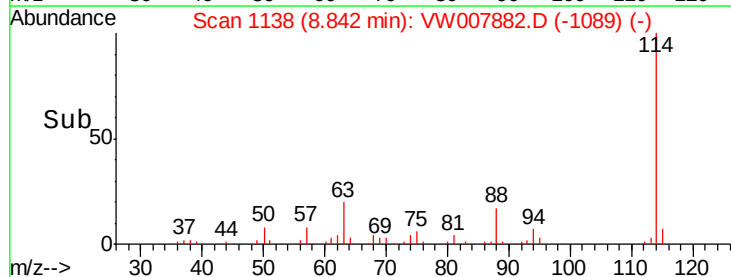
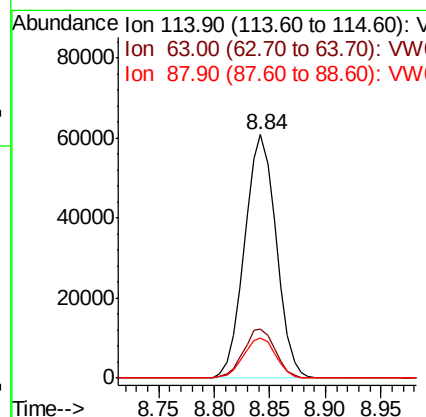
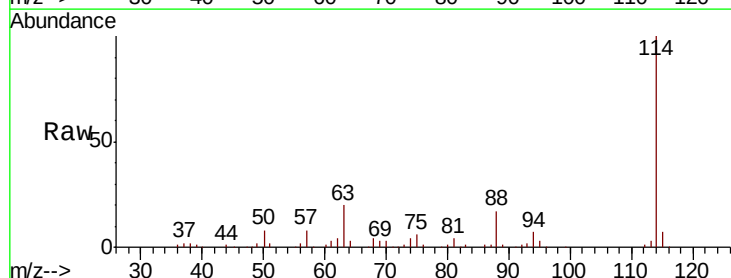
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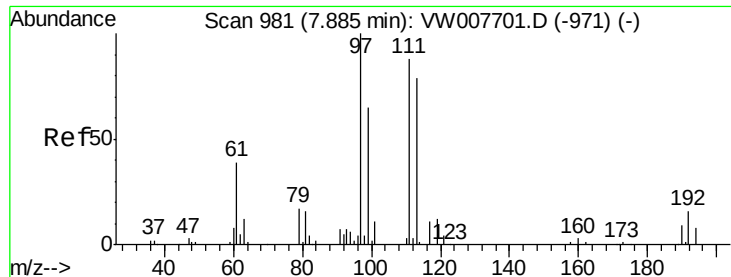
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	40.0
88	16.7	0.0	32.6





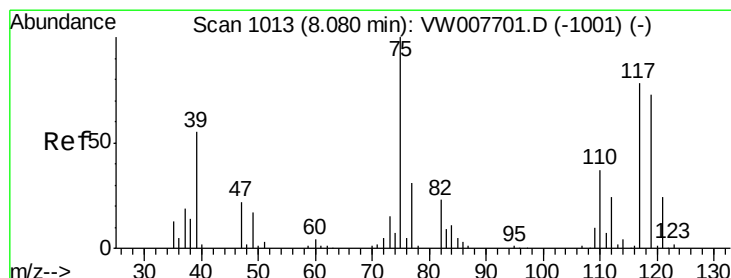
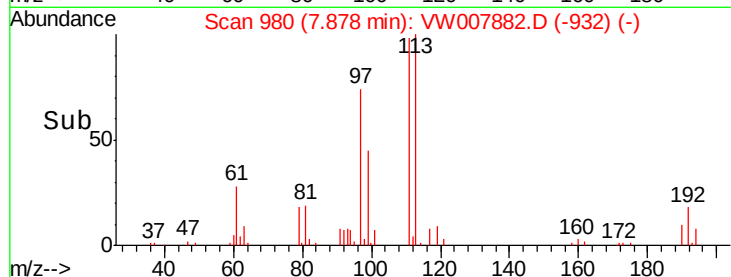
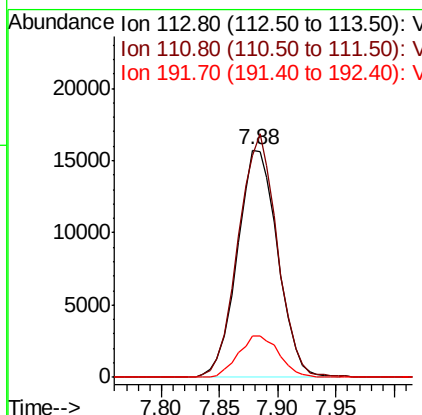
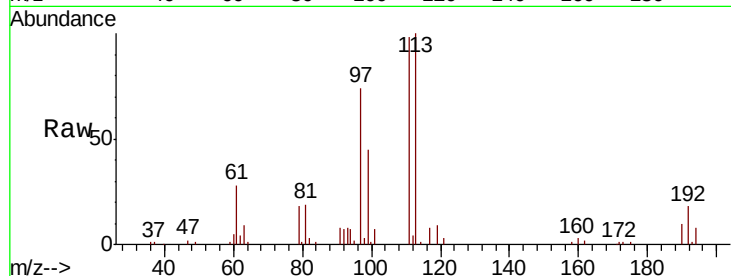
#35
 Dibromofluoromethane
 Concen: 51.809 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	124.0
192	18.4	15.5	23.3

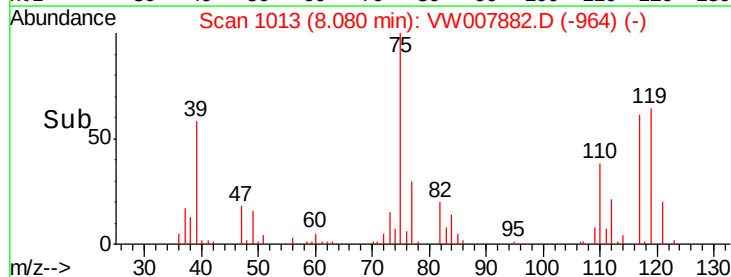
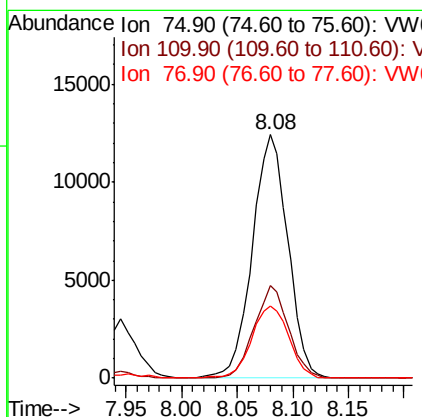
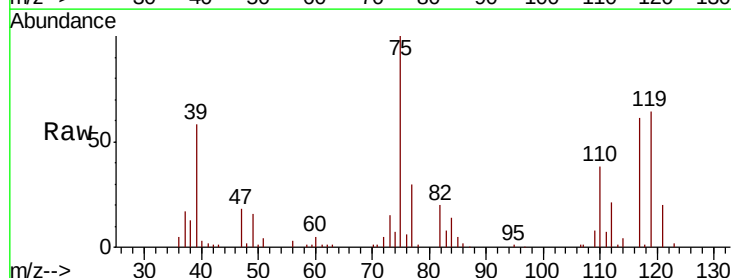
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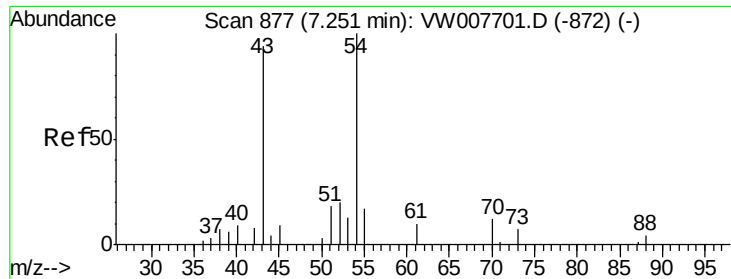
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#36
 1,1-Dichloropropene
 Concen: 23.848 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.6	55.8
77	31.0	25.0	37.4





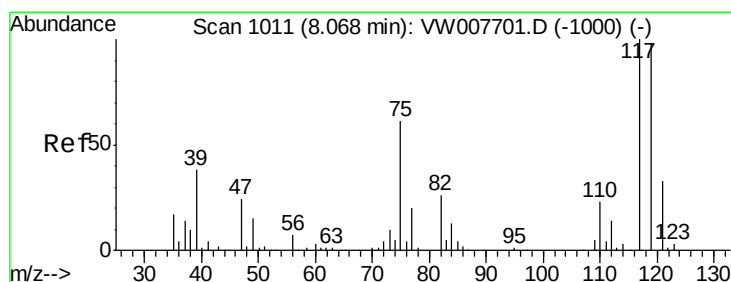
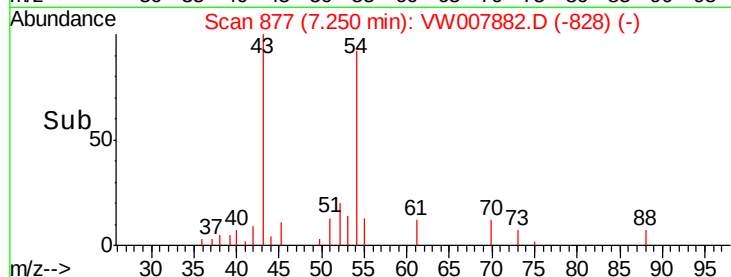
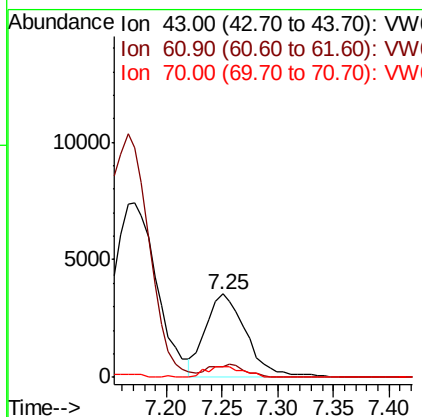
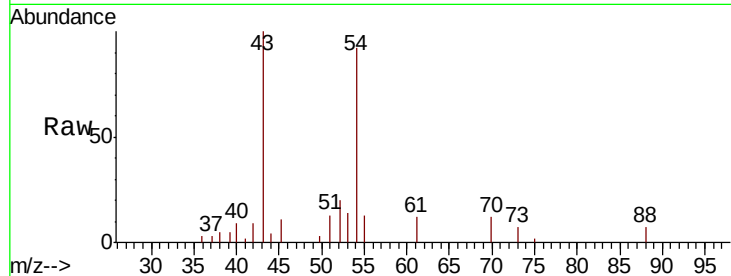
#37
Ethyl Acetate
Concen: 22.576 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.2	16.8
70	11.3	9.3	13.9

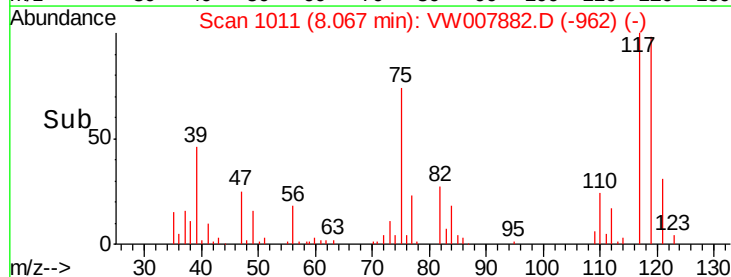
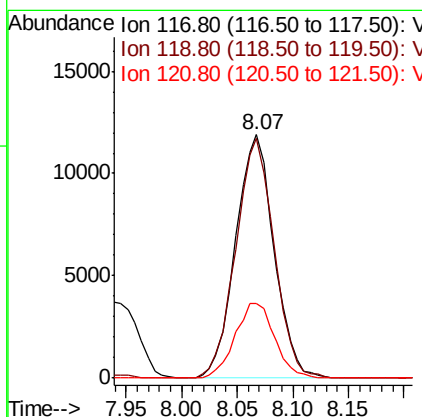
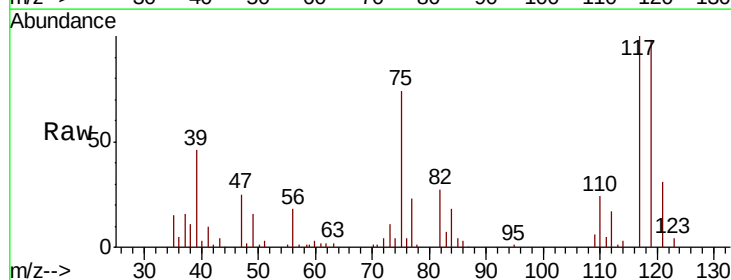
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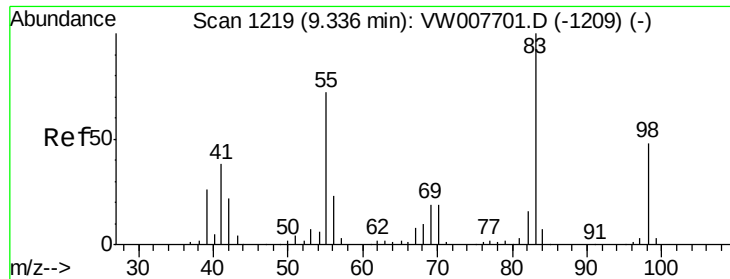
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#38
Carbon Tetrachloride
Concen: 20.855 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	78.2	117.2
121	30.6	26.1	39.1





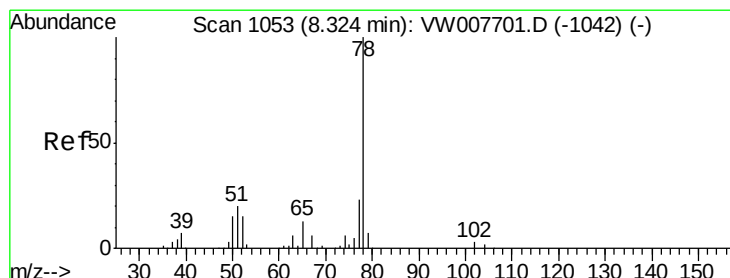
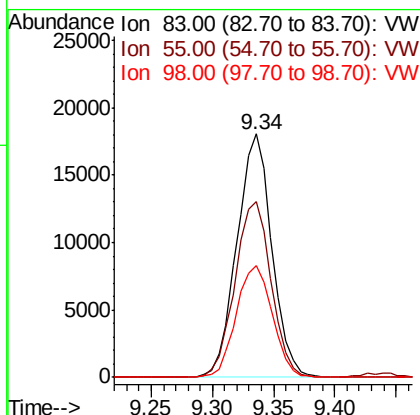
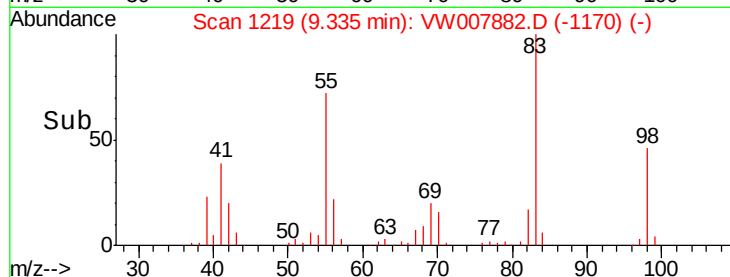
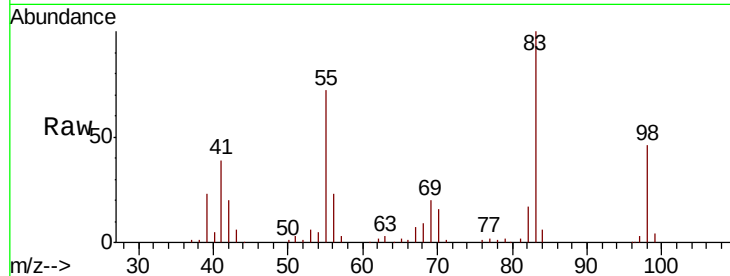
#39
Methylvlcyclohexane
Concen: 24.827 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	57.2	85.8
98	45.9	38.6	58.0

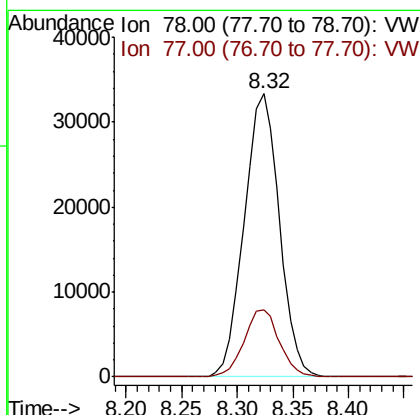
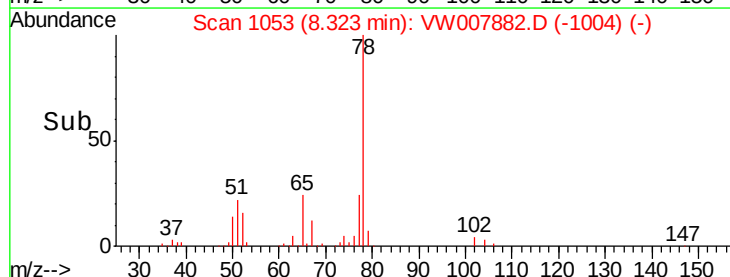
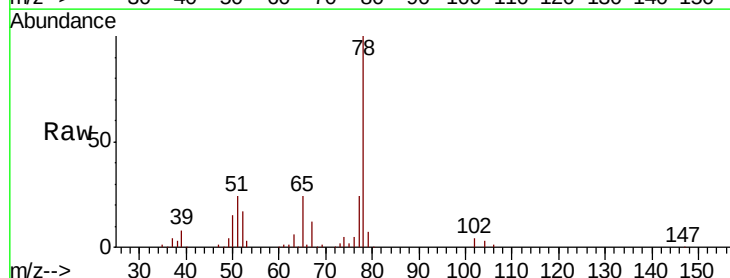
Manual Integrations
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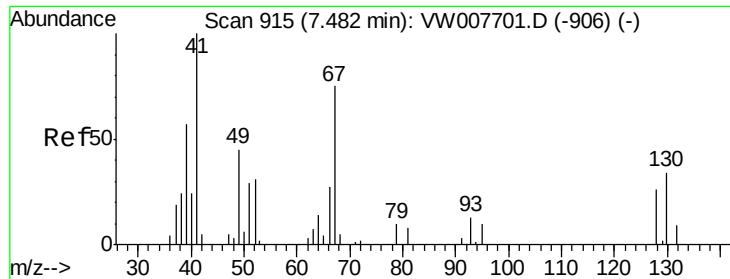
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#40
Benzene
Concen: 23.788 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





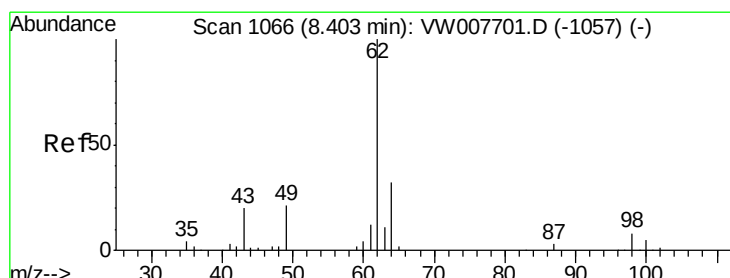
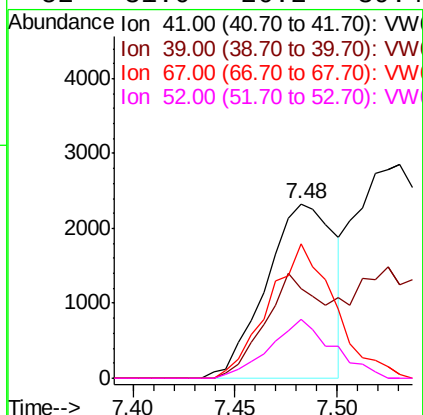
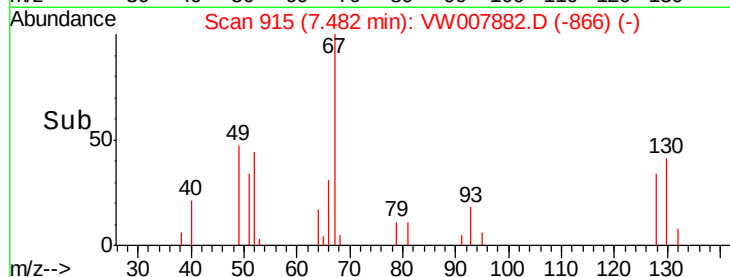
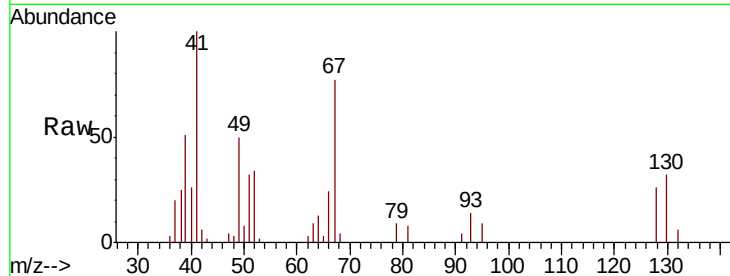
#41
Methacrylonitrile
Concen: 24.041 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion:	41	Resp:	5453
Ion	Ratio	Lower	Upper
41	100		
39	47.6	54.2	81.4#
67	74.5	65.7	98.5
52	31.0	26.2	39.4

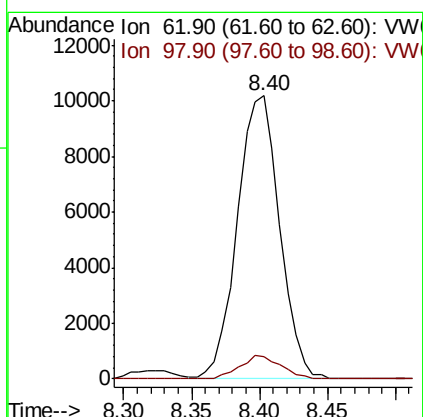
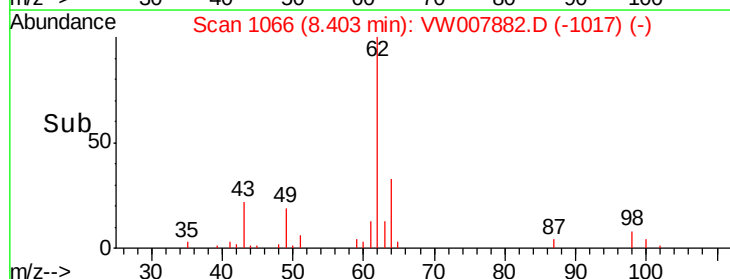
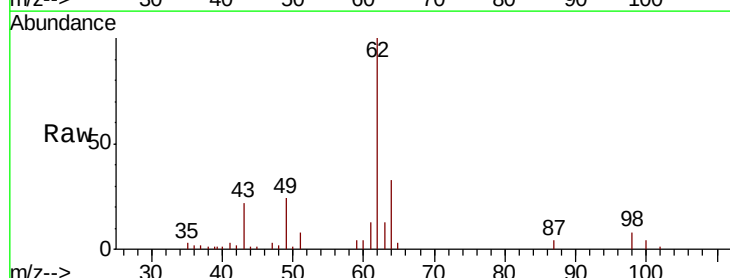
Manual Integrations
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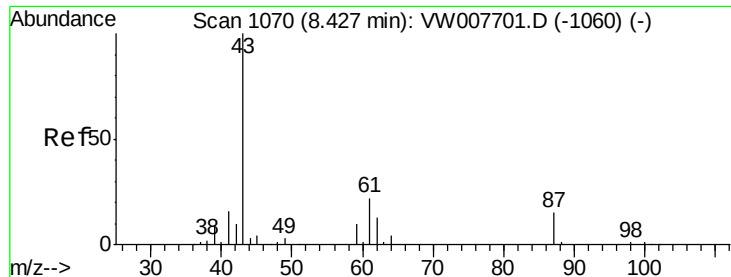
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#42
1,2-Dichloroethane
Concen: 21.405 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:	62	Resp:	22158
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.368 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

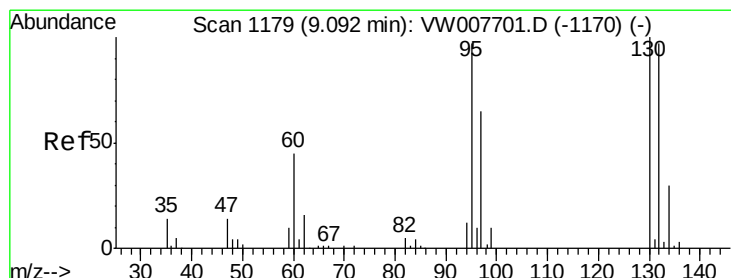
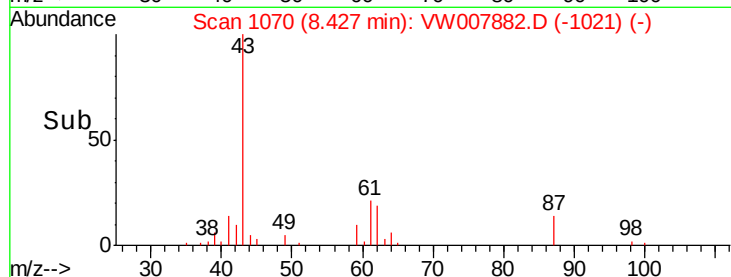
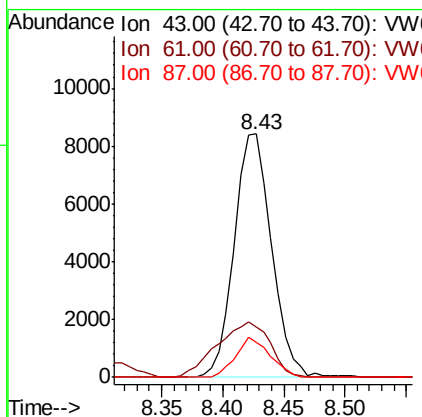
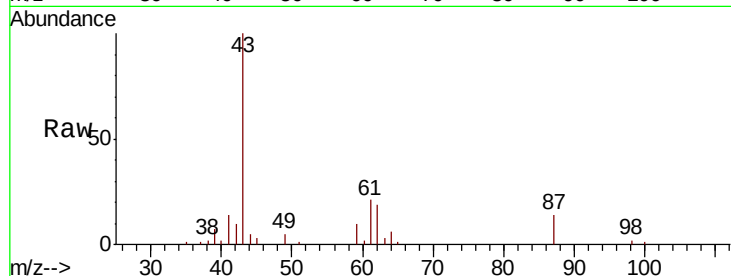
ClientSampleId :

VW1225SBS01

Tot Ion:	43	Resp:	17903
Ion	Ratio	Lower	Upper
43	100		
61	32.1	26.3	39.5
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 22.407 ug/l

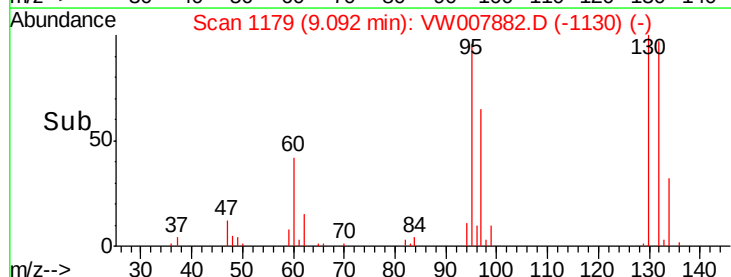
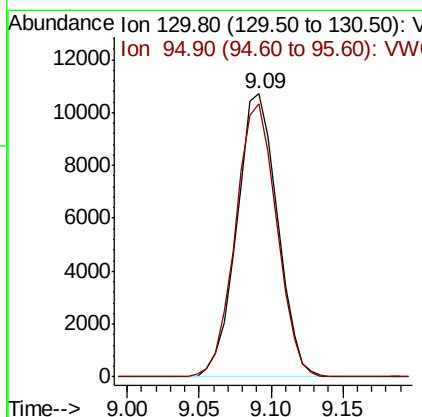
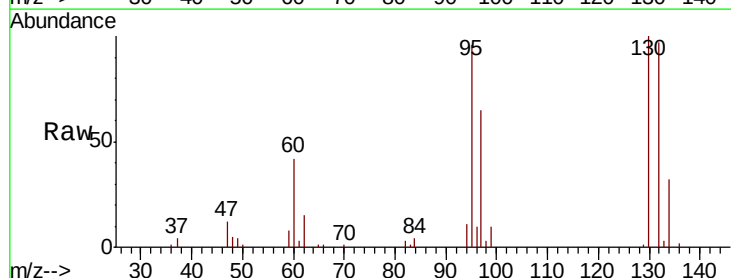
RT: 9.09 min Scan# 1179

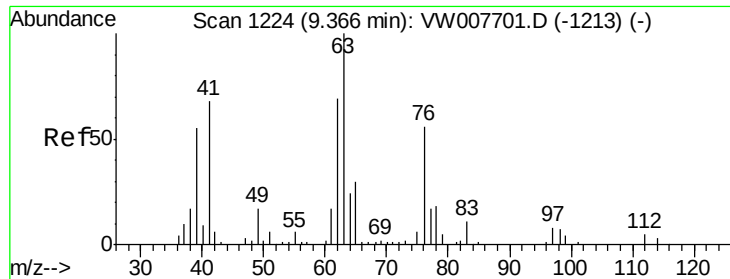
Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion:	130	Resp:	20932
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	194.8





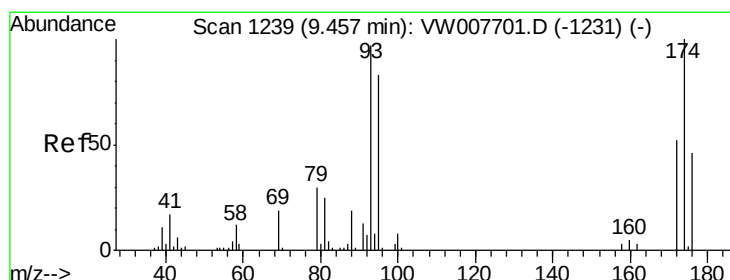
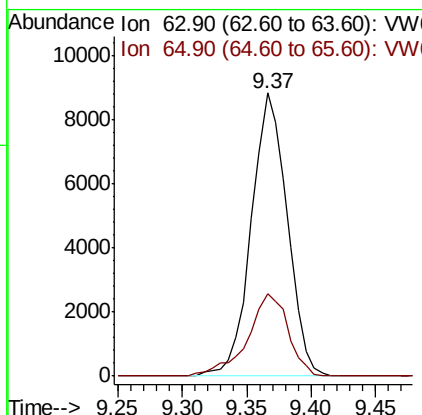
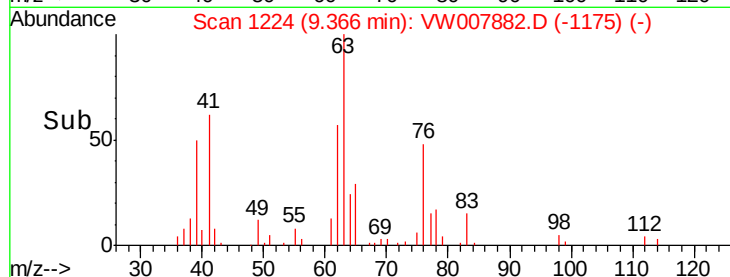
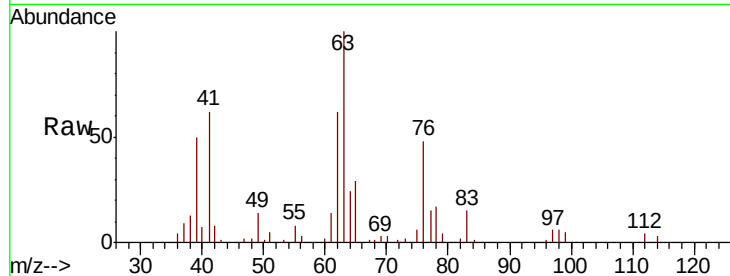
#45
 1,2-Dichloropropane
 Concen: 24.831 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion: 63 Resp: 17020
 Ion Ratio Lower Upper
 63 100
 65 29.1 23.8 35.8

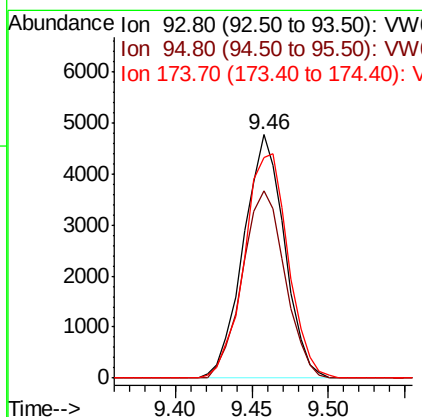
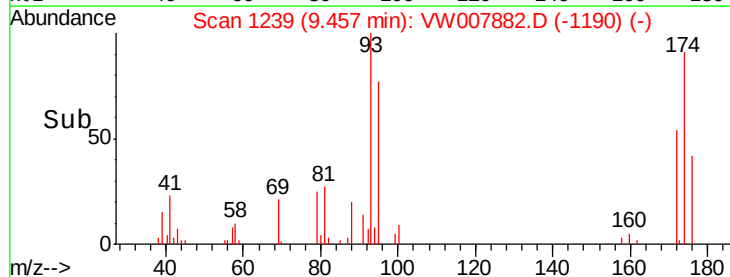
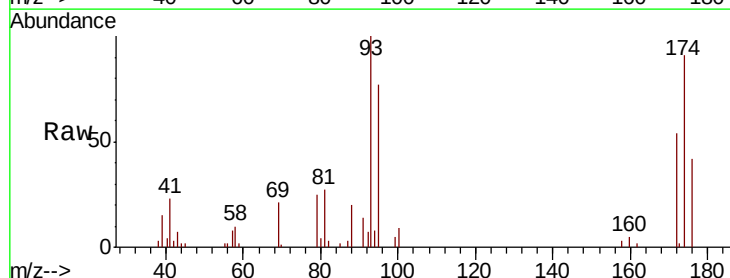
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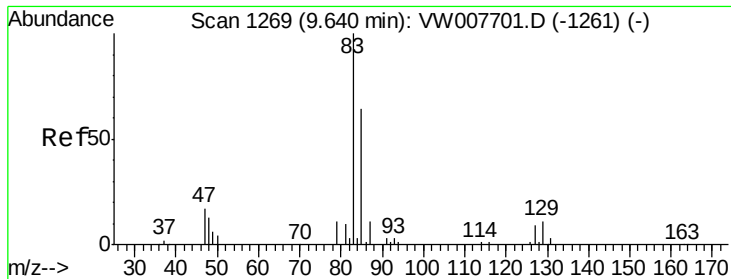
MMDadoda
 12/26/2018 4:38:14 PM



#46
 Dibromomethane
 Concen: 21.096 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 93 Resp: 8901
 Ion Ratio Lower Upper
 93 100
 95 79.8 67.5 101.3
 174 98.5 83.9 125.9





#47

Bromodichloromethane

Concen: 20.943 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

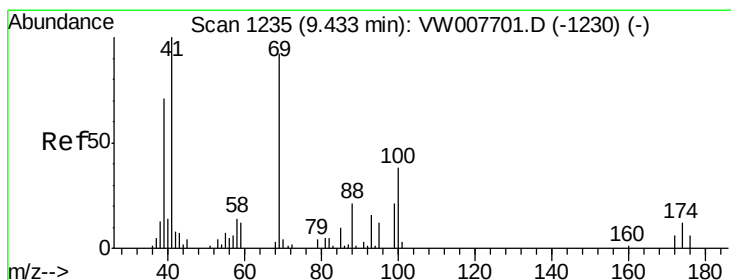
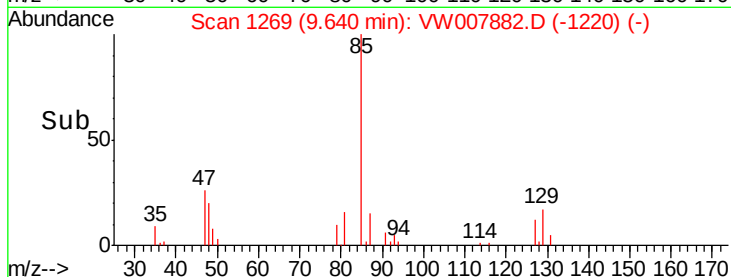
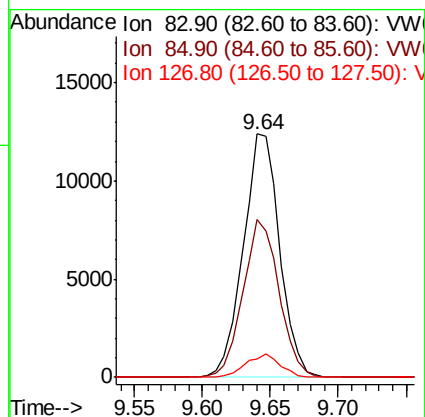
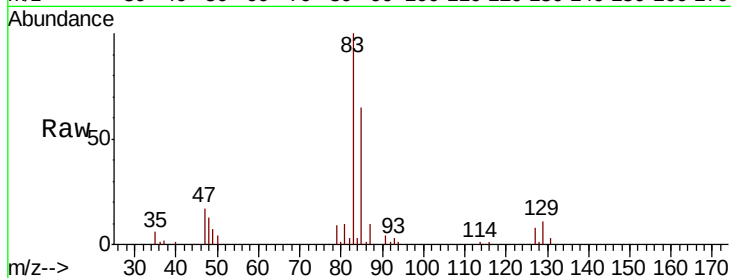
ClientSampleId :

VW1225SBS01

Tot Ion:	83	Resp:	23230
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.4	77.0
127	7.6	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 24.217 ug/l m

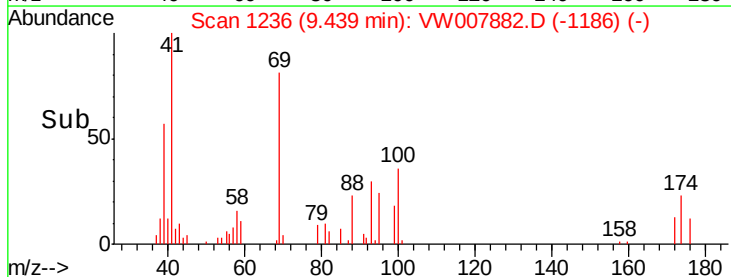
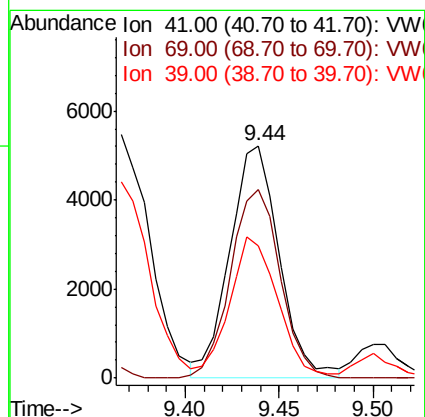
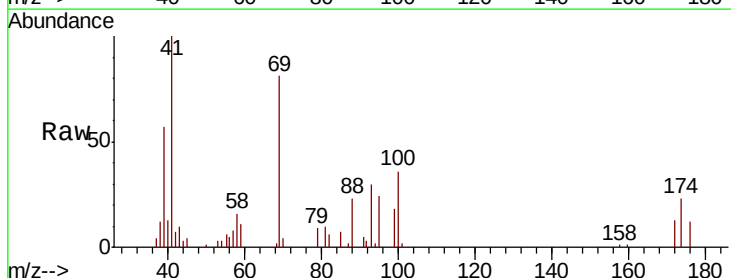
RT: 9.44 min Scan# 1236

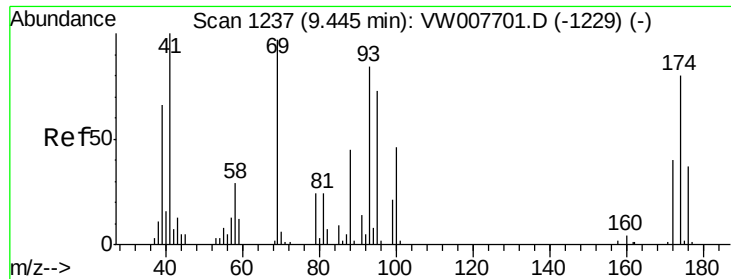
Delta R.T. 0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion:	41	Resp:	9675
Ion Ratio	Lower	Upper	
41	100		
69	81.7	74.2	111.2
39	55.2	53.9	80.9





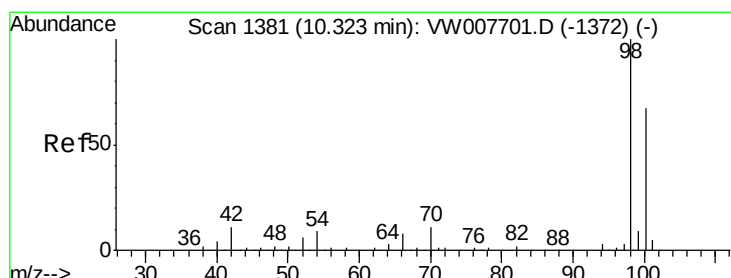
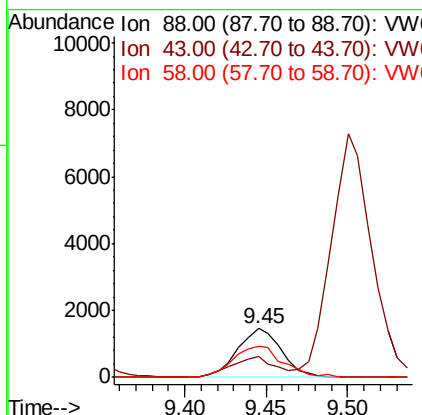
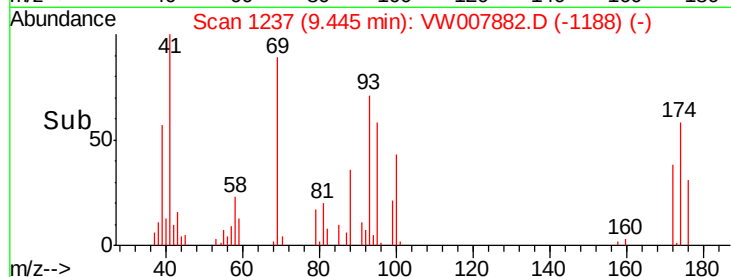
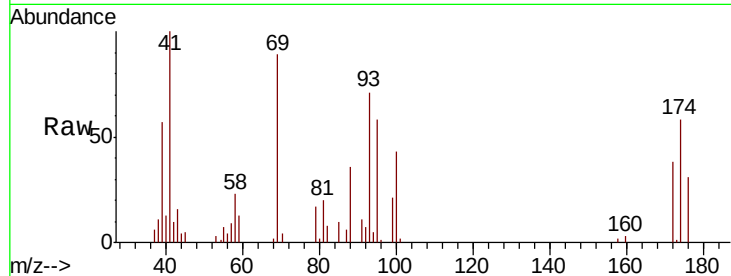
#49
1,4-Dioxane
Concen: 408.700 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.3	25.6	38.4#
58	71.5	52.3	78.5

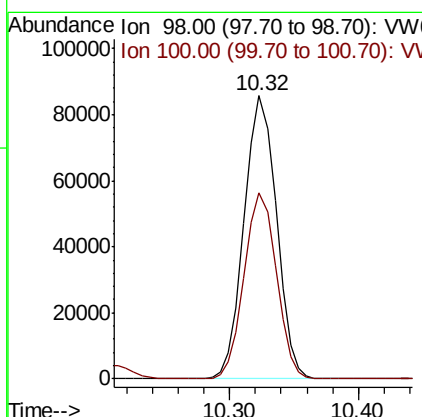
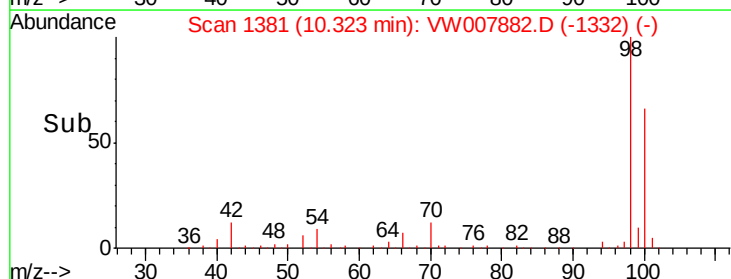
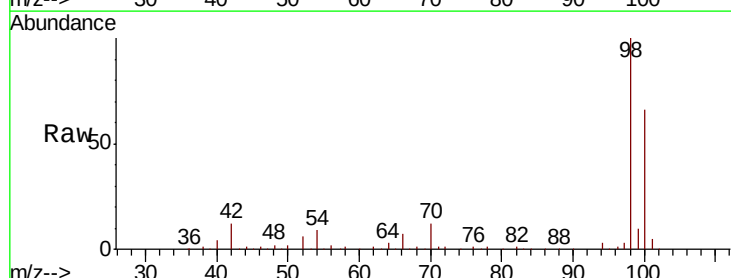
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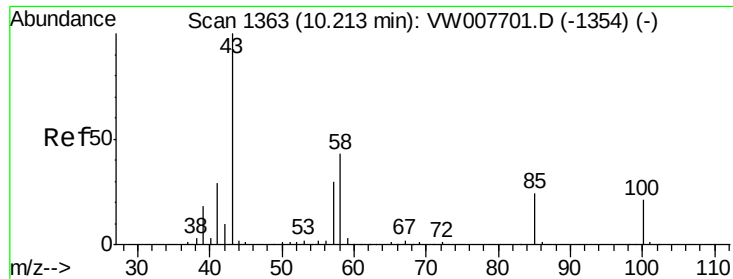
MMDadoda
12/26/2018 4:38:14 PM



#50
Toluene-d8
Concen: 54.156 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 108.732 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 43 Resp: 41129

Ion Ratio Lower Upper

43 100

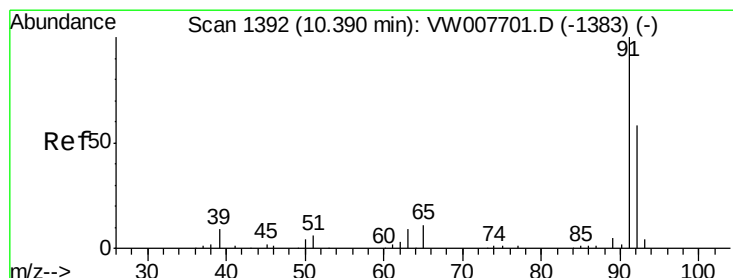
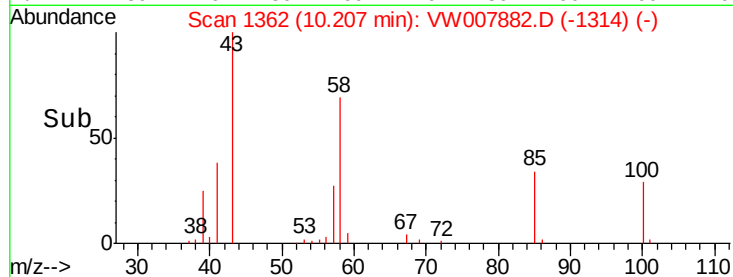
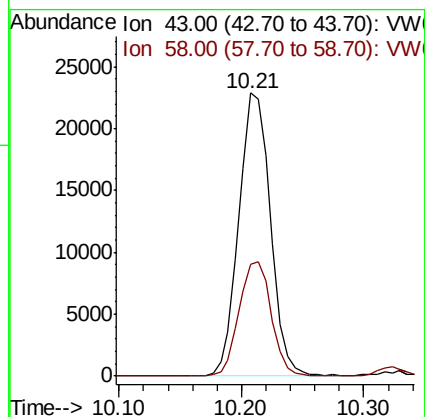
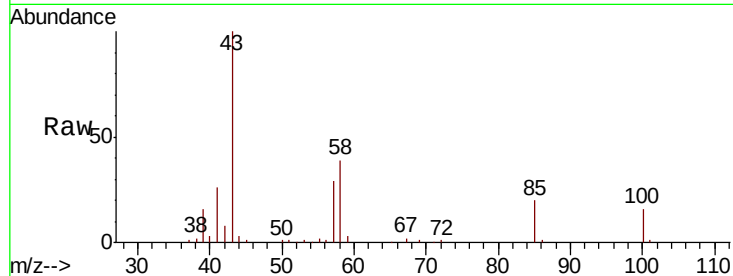
58 41.0 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 23.574 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007882.D

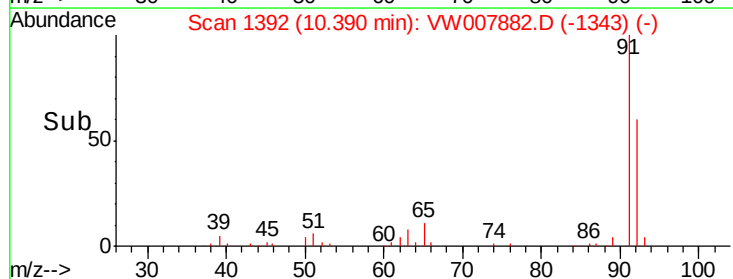
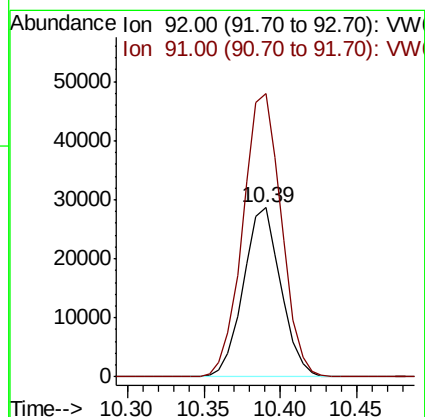
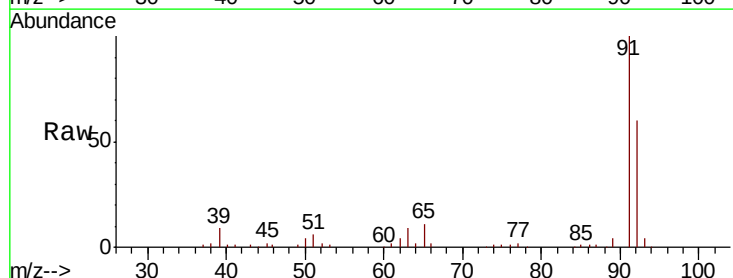
Acq: 24 Dec 2018 12:24

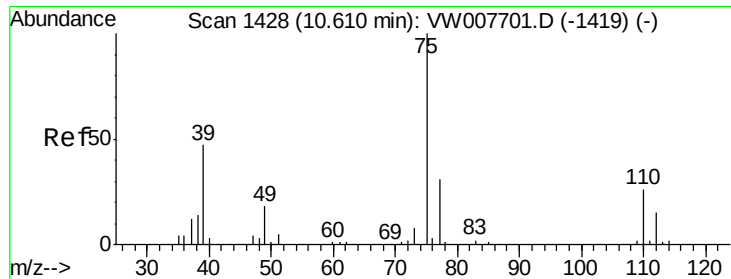
Tgt Ion: 92 Resp: 48857

Ion Ratio Lower Upper

92 100

91 172.0 137.0 205.4





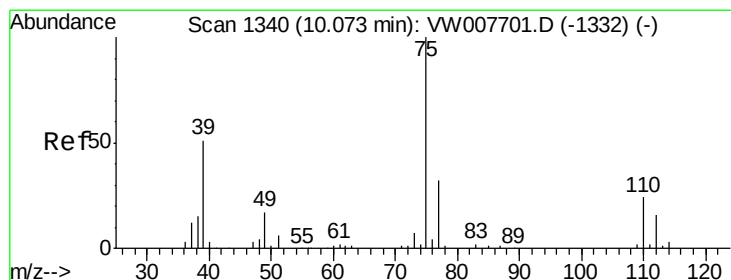
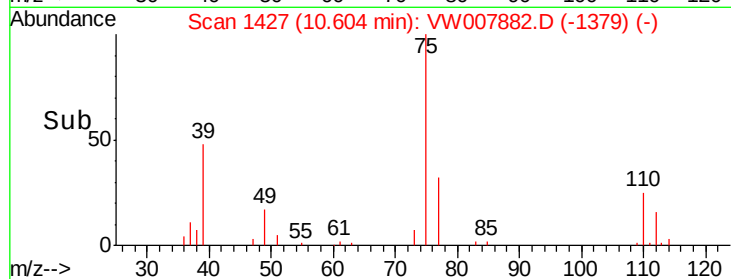
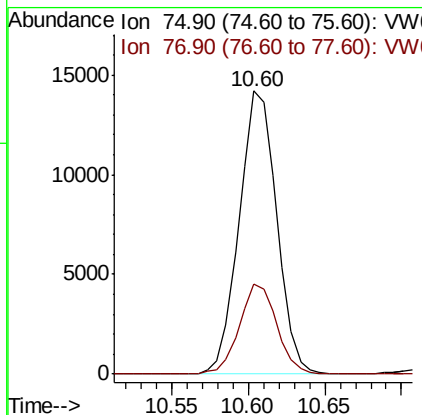
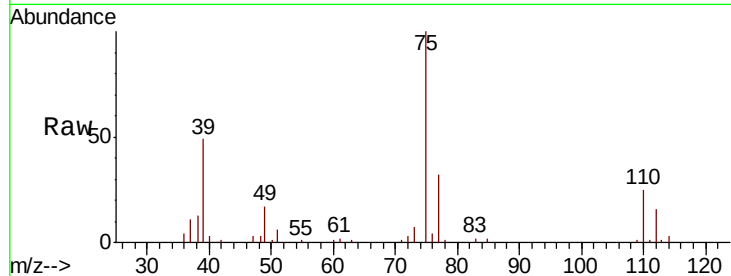
#53
 t-1,3-Dichloropropene
 Concen: 21.892 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion: 75 Resp: 24154
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.2 37.8

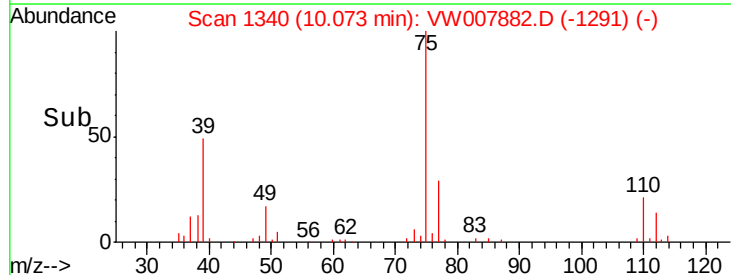
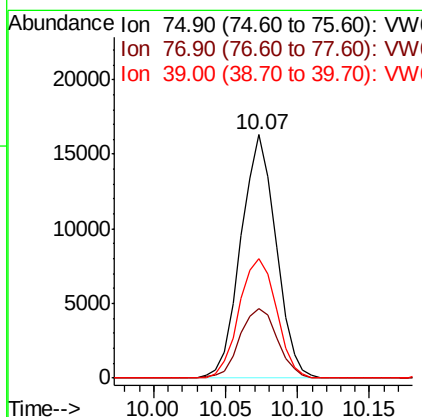
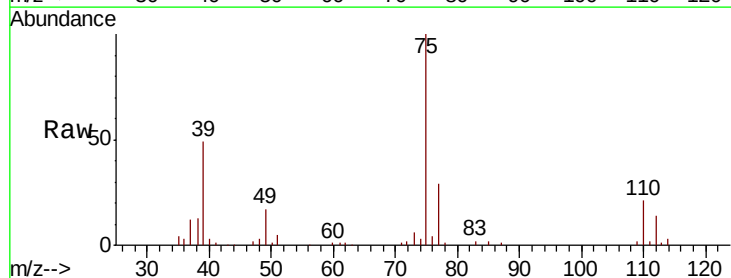
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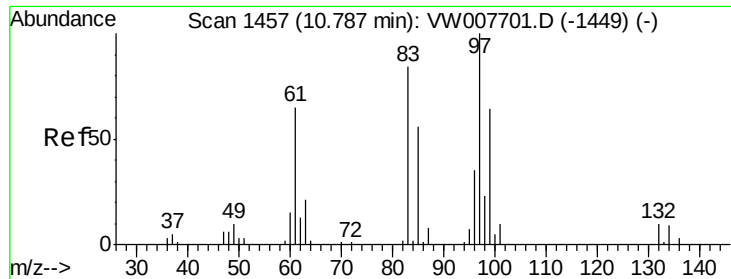
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 22.636 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 75 Resp: 27586
 Ion Ratio Lower Upper
 75 100
 77 28.5 25.5 38.3
 39 49.3 41.2 61.8





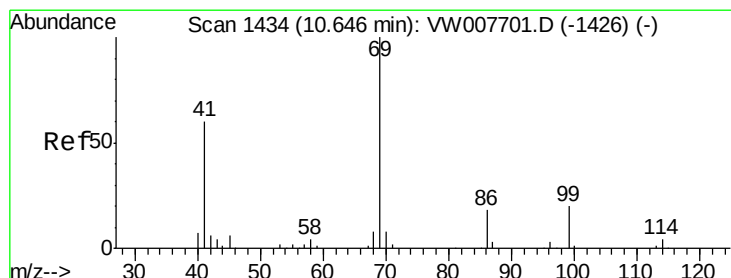
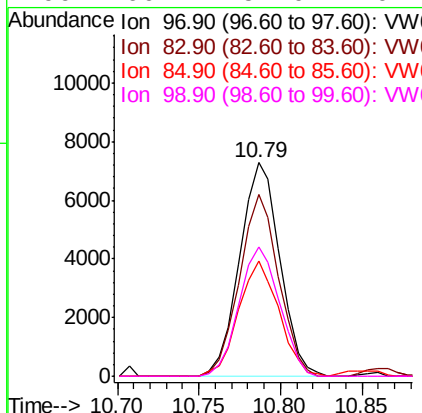
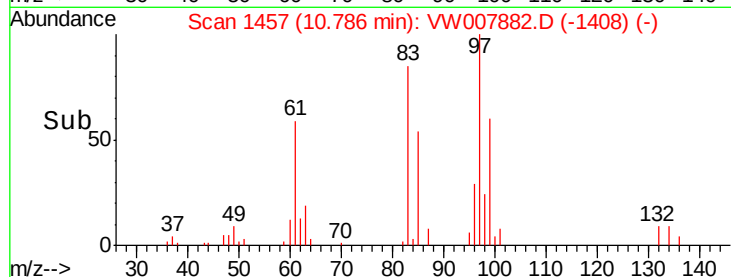
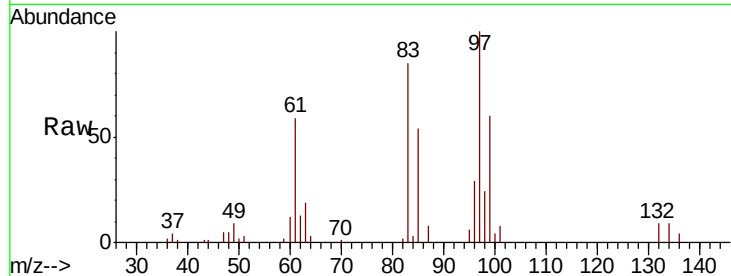
#55
 1,1,2-Trichloroethane
 Concen: 21.474 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion:	97	Resp:	12491
Ion	Ratio	Lower	Upper
97	100		
83	85.3	67.5	101.3
85	53.7	44.8	67.2
99	60.4	51.0	76.4

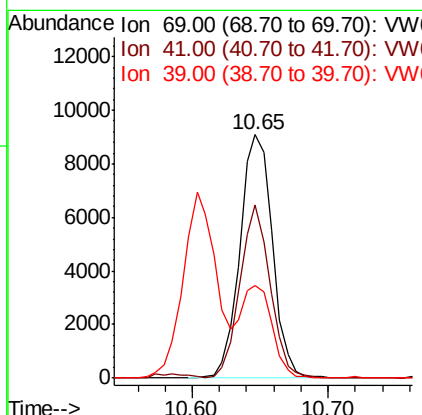
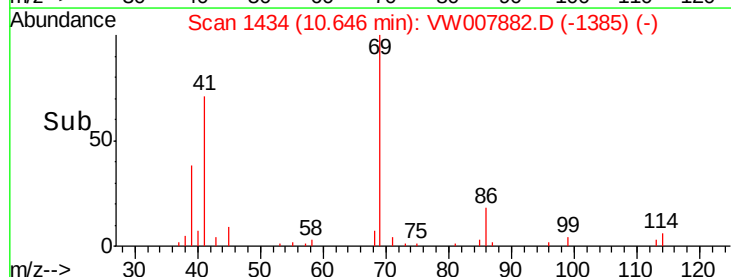
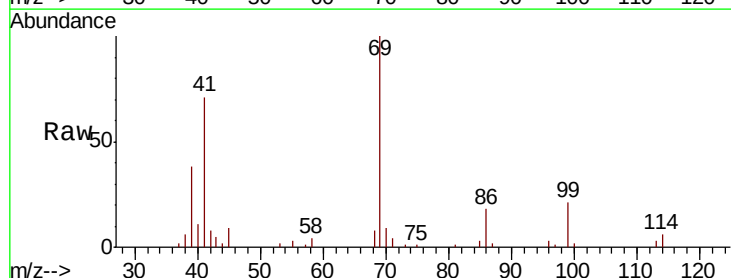
Manual Integrations
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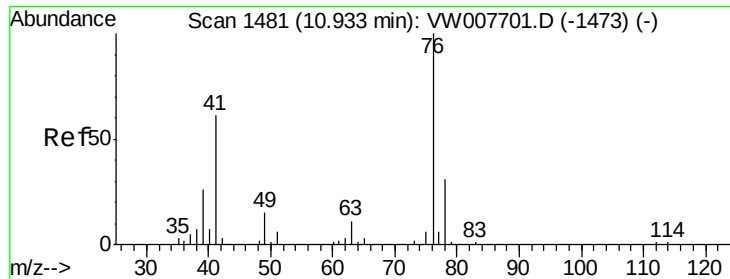
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 22.055 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion:	69	Resp:	15157
Ion	Ratio	Lower	Upper
69	100		
41	66.2	48.9	73.3
39	37.3	31.3	46.9





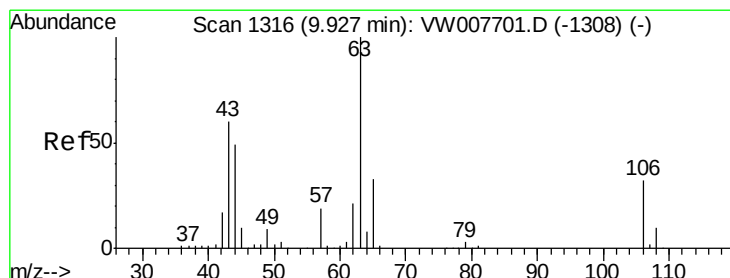
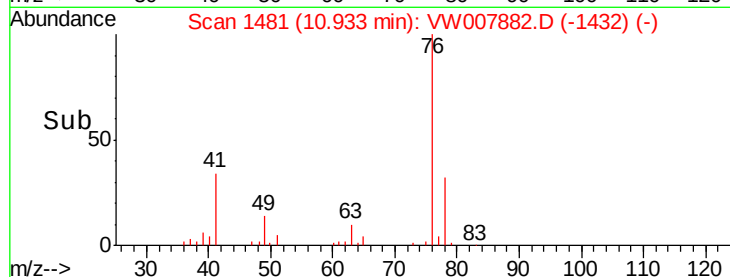
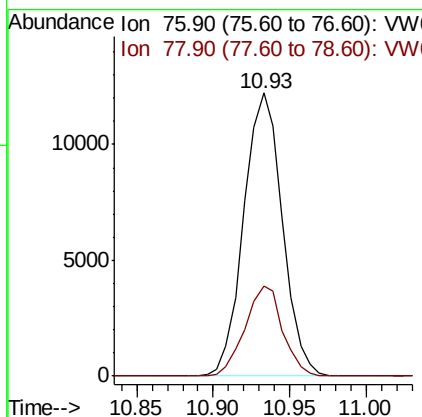
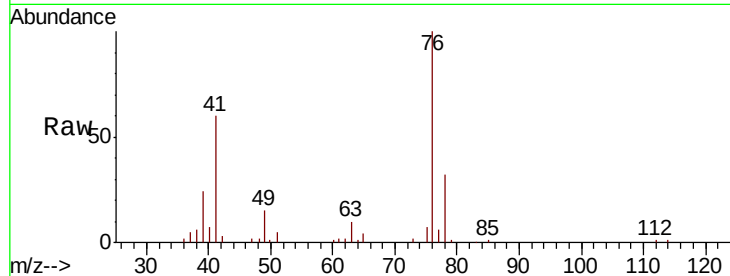
#57
 1,3-Dichloropropane
 Concen: 22.185 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion: 76 Resp: 21428
 Ion Ratio Lower Upper
 76 100
 78 31.0 26.2 39.2

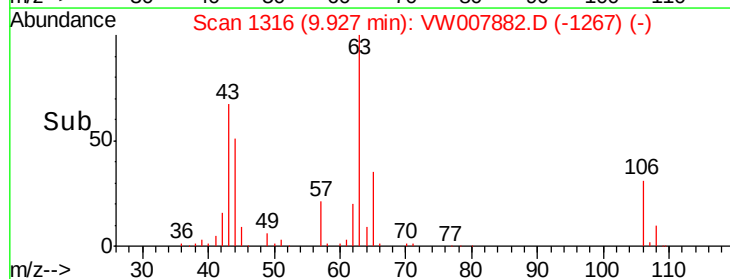
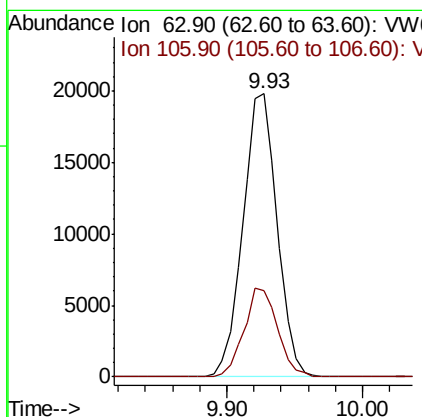
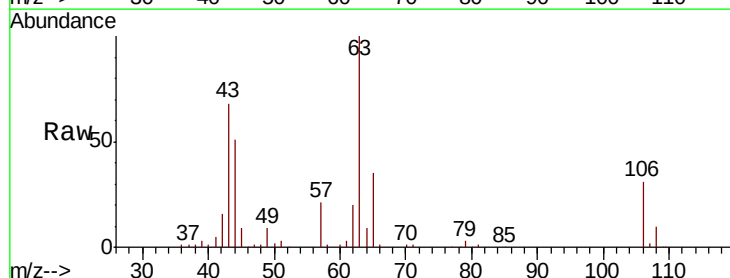
Manual Integrations
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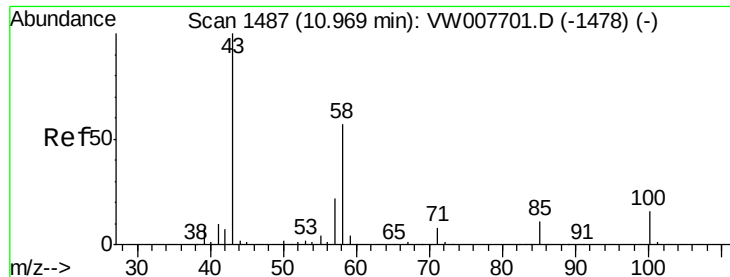
MMDadoda
 12/26/2018 4:38:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.751 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion: 63 Resp: 34751
 Ion Ratio Lower Upper
 63 100
 106 30.8 25.9 38.9





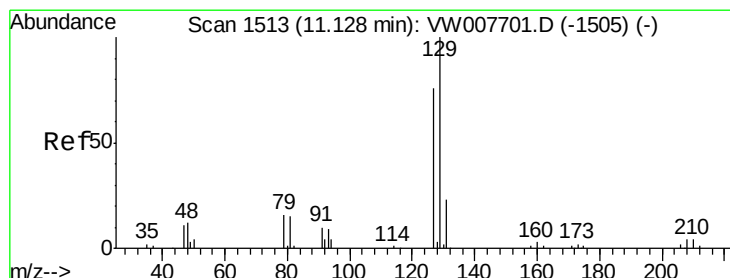
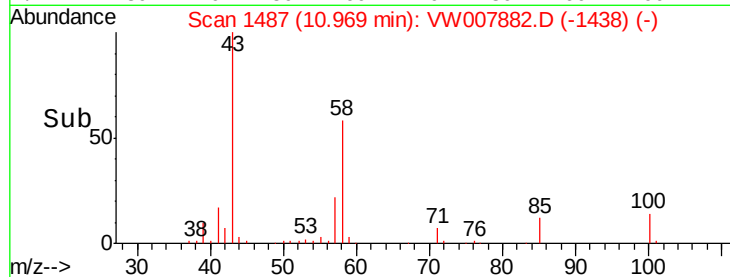
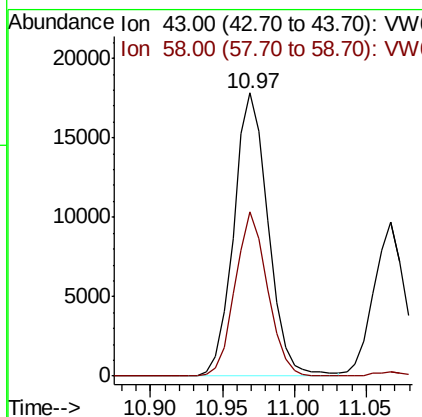
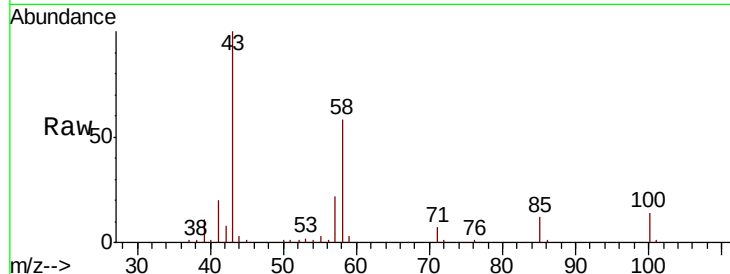
#59
2-Hexanone
Concen: 111.323 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion: 43 Resp: 29614
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

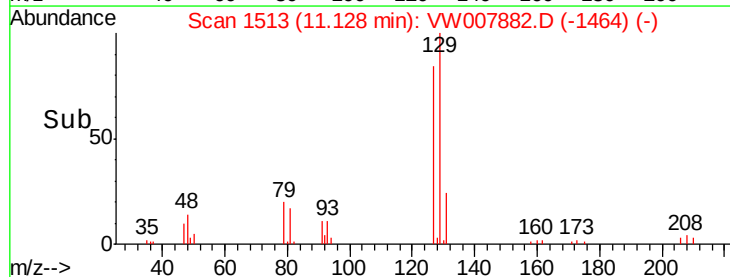
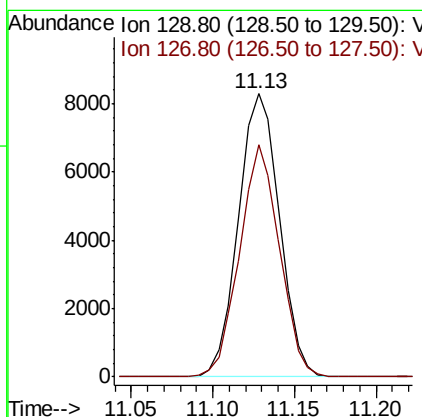
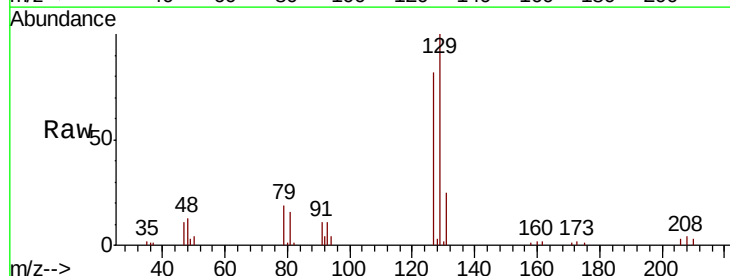
Manual Integrations
APPROVED

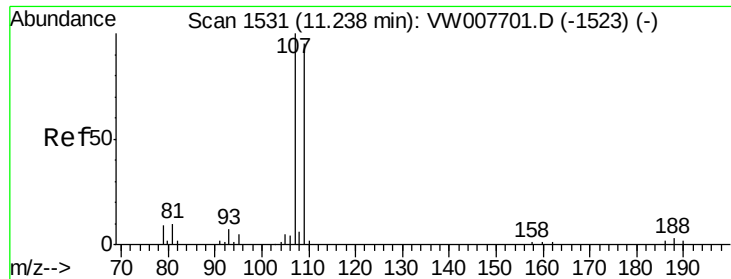
MMDadoda
12/26/2018 4:38:14 PM



#60
Dibromochloromethane
Concen: 18.878 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:129 Resp: 14539
Ion Ratio Lower Upper
129 100
127 79.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.673 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 107 Resp: 12177

Ion Ratio Lower Upper

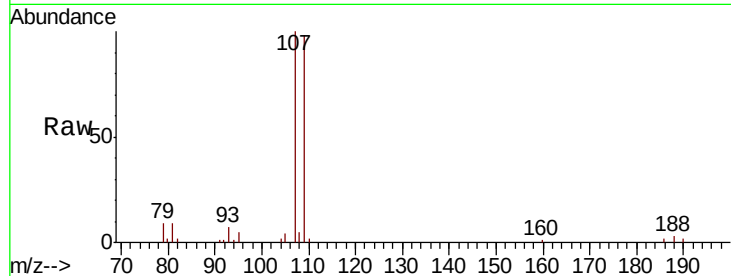
107 100

109 96.1 75.4 113.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

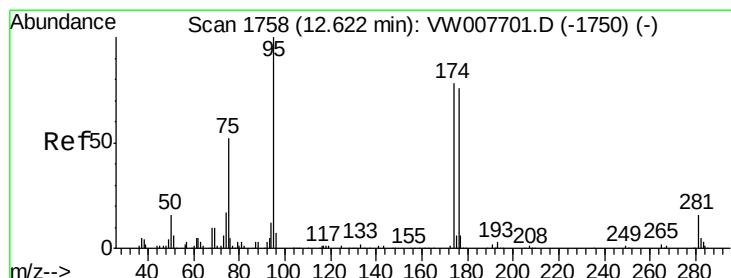
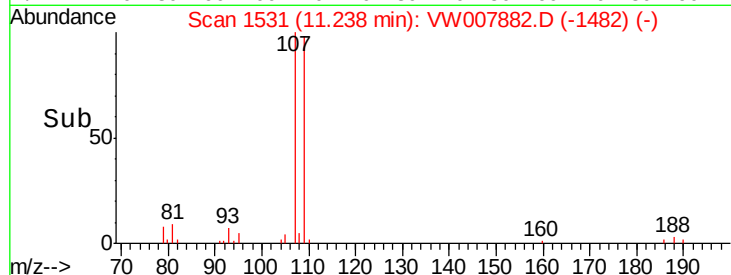
6000

4000

2000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 53.733 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

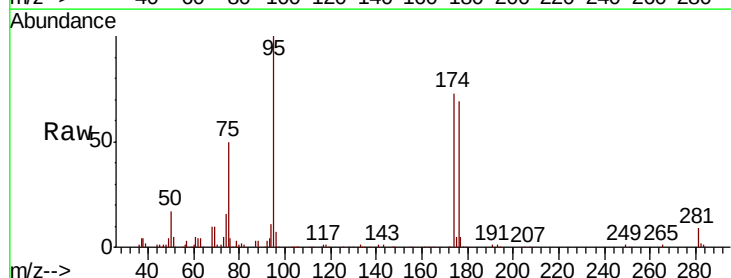
Tgt Ion: 95 Resp: 57257

Ion Ratio Lower Upper

95 100

174 72.8 0.0 152.2

176 69.4 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

40000

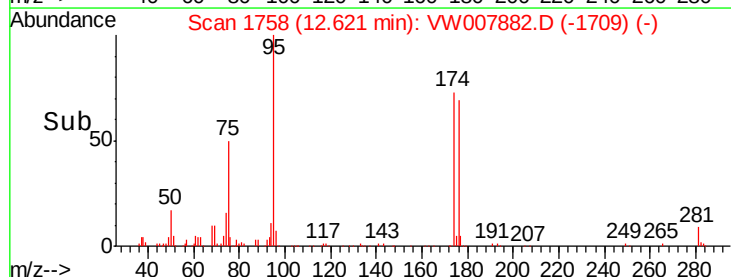
30000

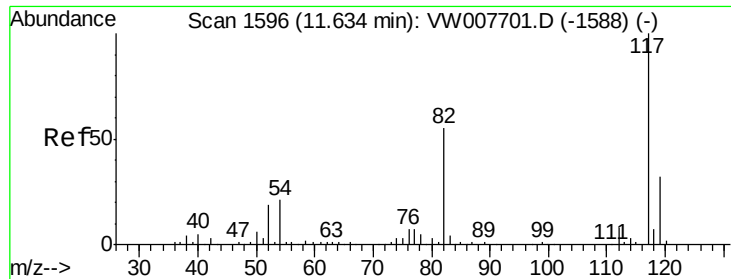
20000

10000

0

Time-->





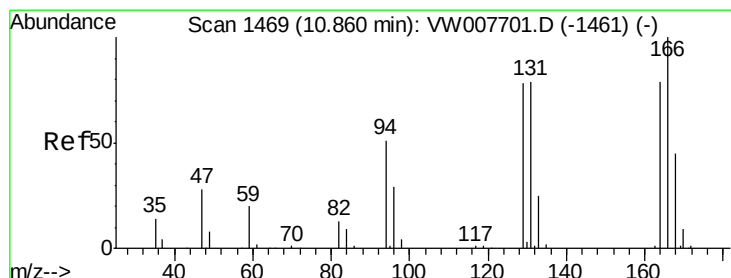
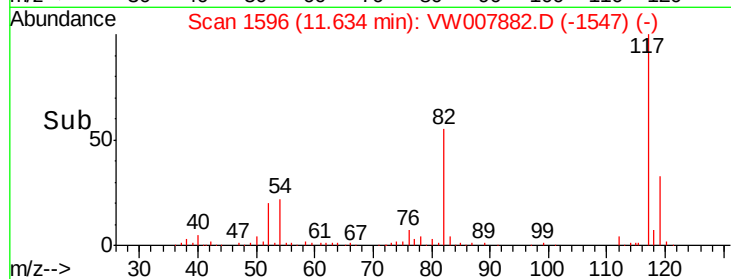
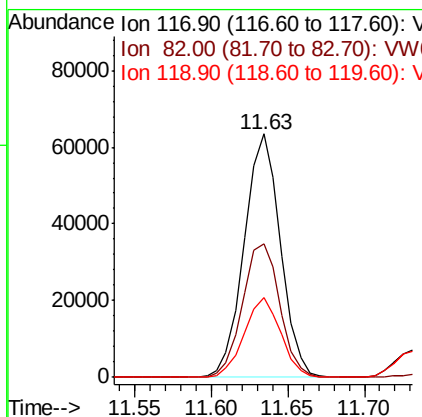
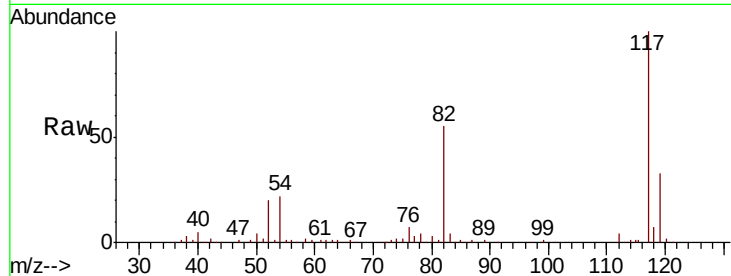
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.3	66.5
119	32.5	25.7	38.5

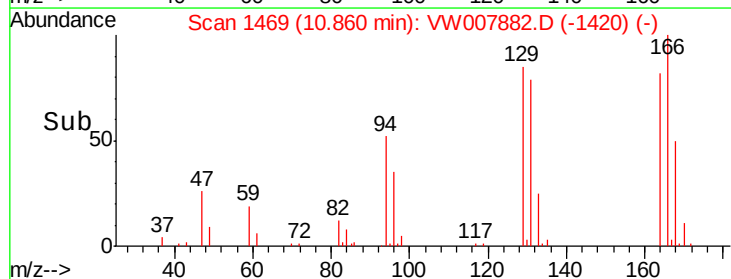
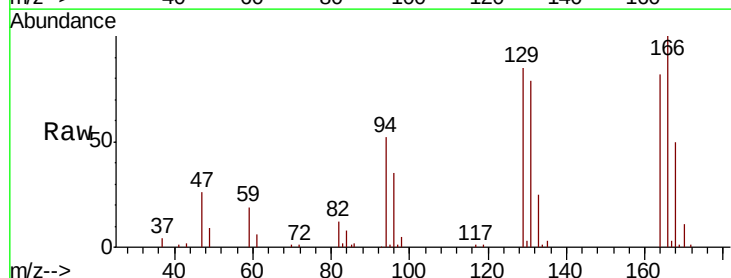
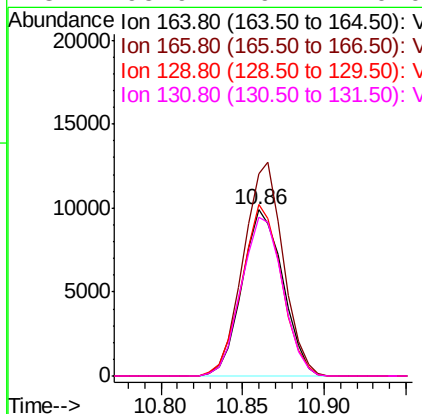
Manual Integrations
APPROVED

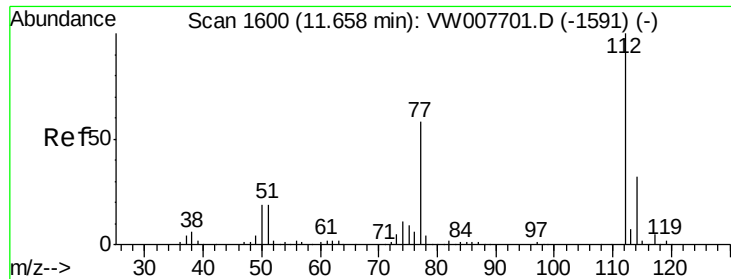
MMDadoda
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#64
Tetrachloroethene
Concen: 23.219 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	101.0	151.6
129	103.4	78.7	118.1
131	95.9	79.4	119.0





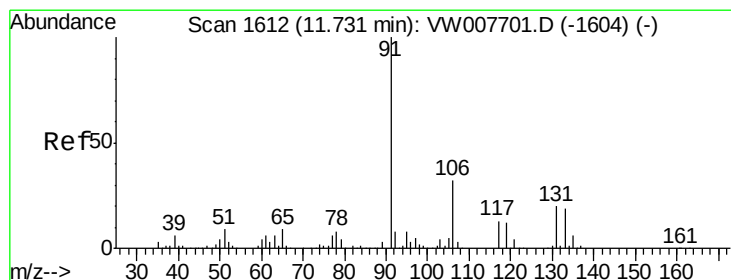
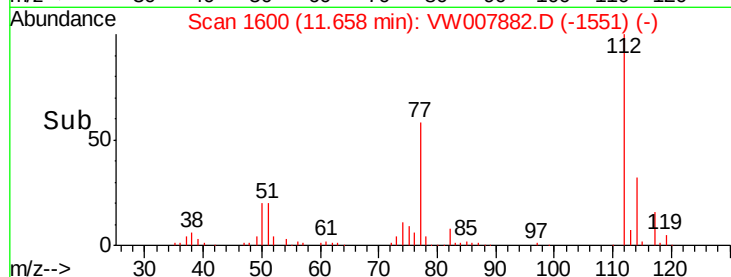
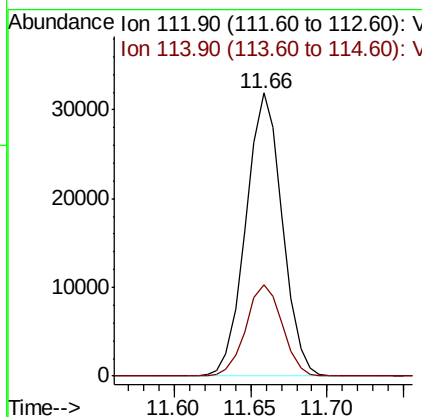
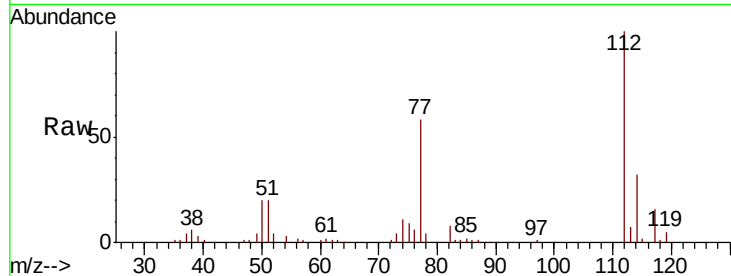
#65
Chlorobenzene
Concen: 23.338 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion:112 Resp: 52827
Ion Ratio Lower Upper
112 100
114 32.1 25.2 37.8

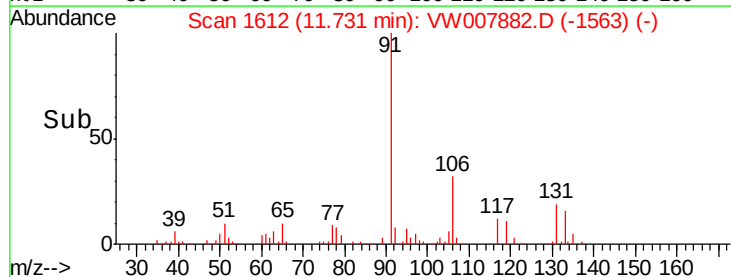
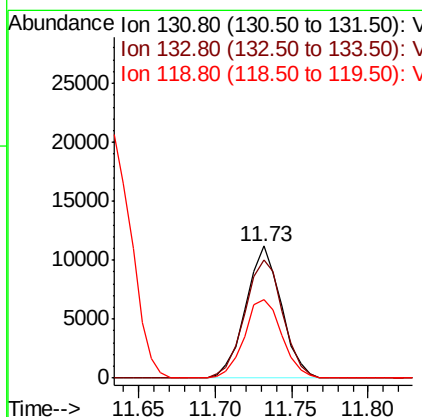
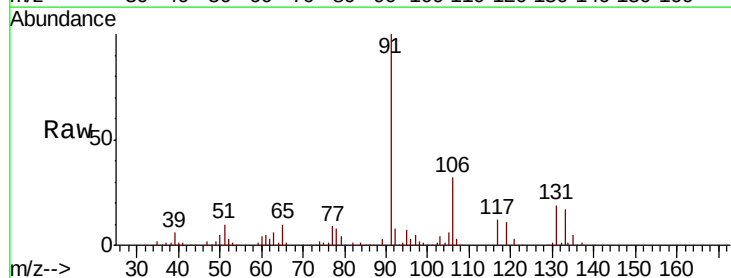
Manual Integrations
APPROVED

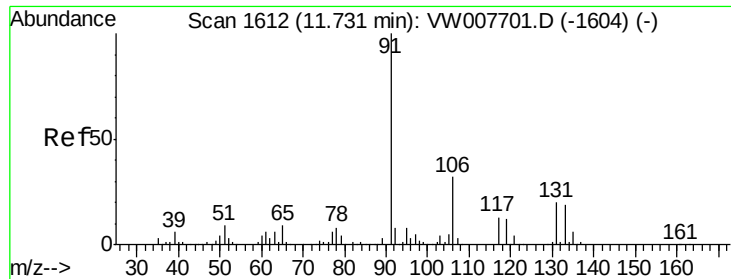
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.359 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:131 Resp: 18084
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.5
119 62.9 30.2 90.6





#67

Ethyl Benzene

Concen: 24.702 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 91 Resp: 95947

Ion Ratio Lower Upper

91 100

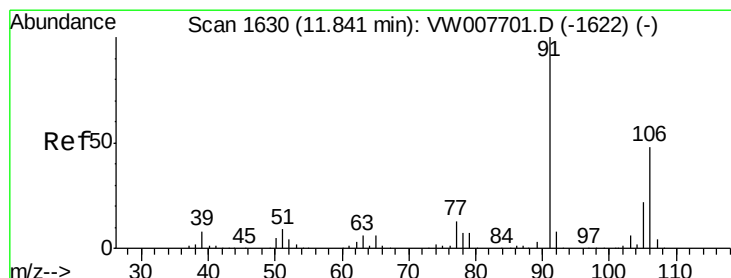
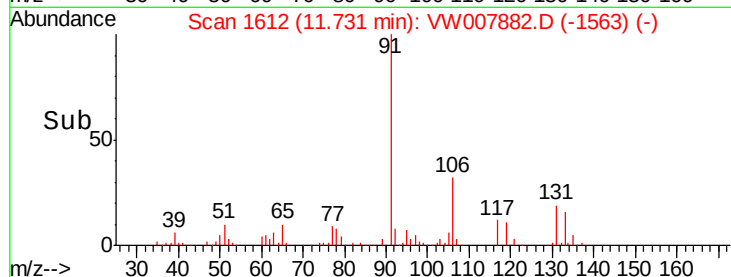
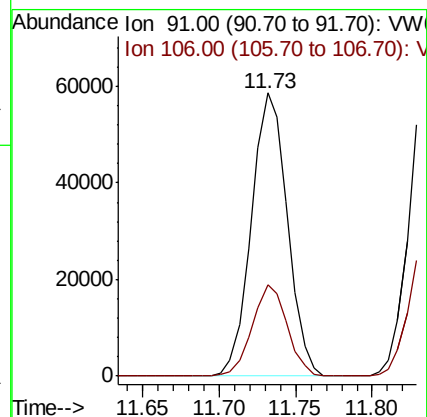
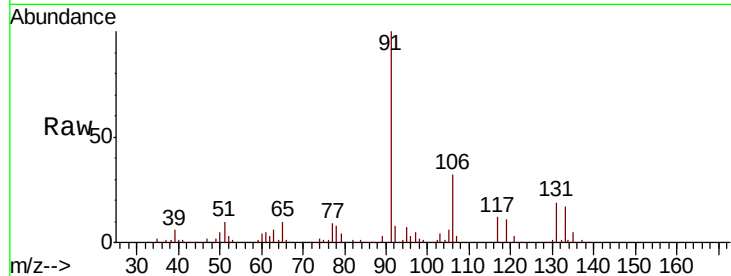
106 32.4 25.8 38.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 48.960 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007882.D

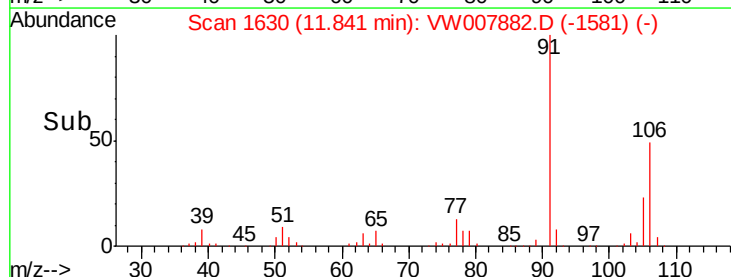
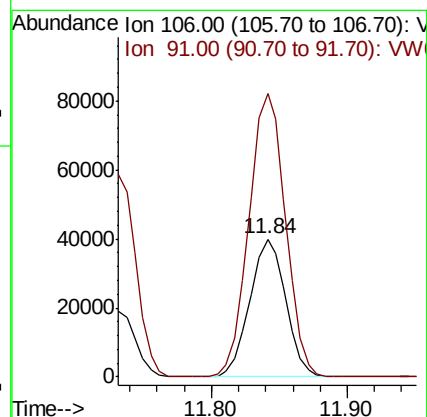
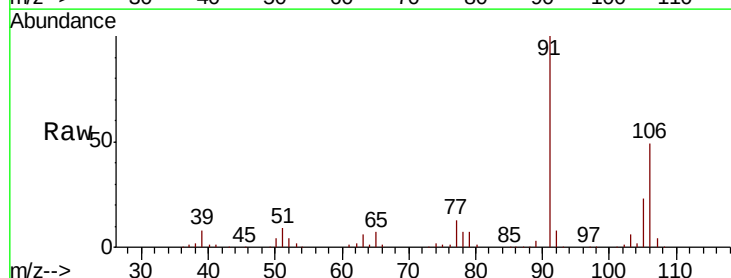
Acq: 24 Dec 2018 12:24

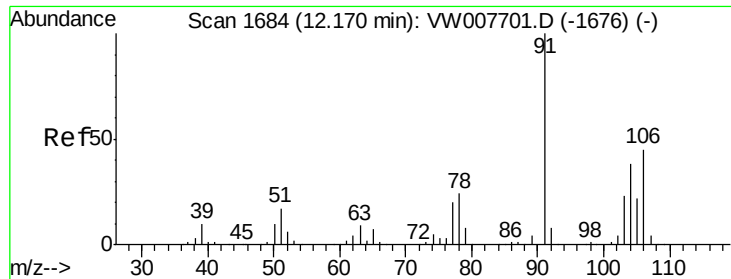
Tgt Ion:106 Resp: 73770

Ion Ratio Lower Upper

106 100

91 209.9 165.2 247.8





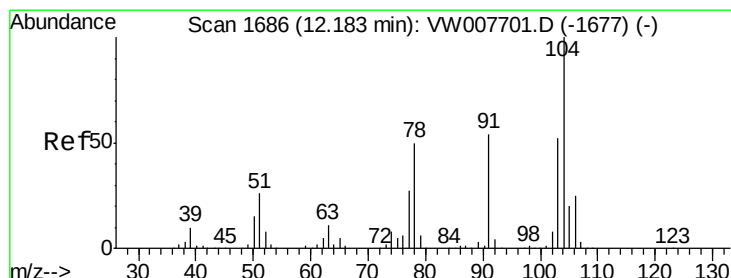
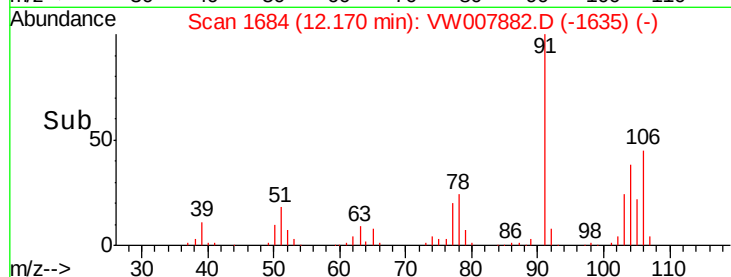
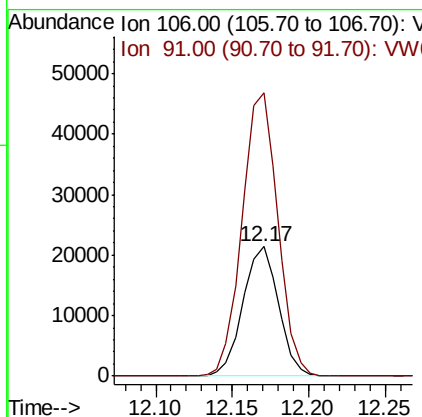
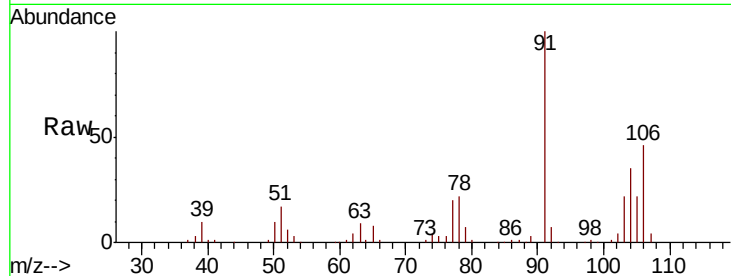
#69
o-Xylene
Concen: 24.578 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampled :
VW1225SBS01

Tot Ion:106 Resp: 34714
Ion Ratio Lower Upper
106 100
91 218.9 110.5 331.4

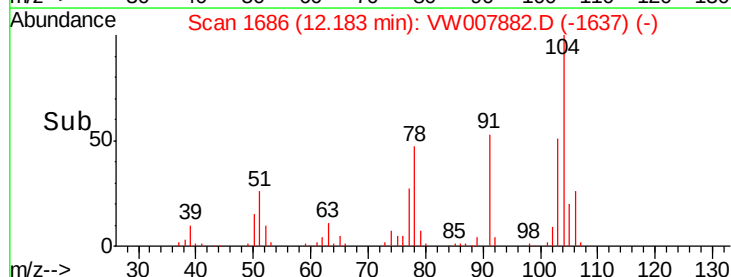
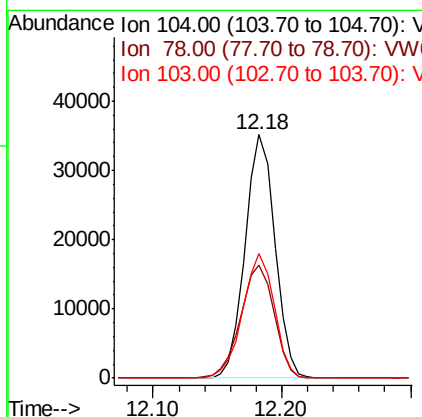
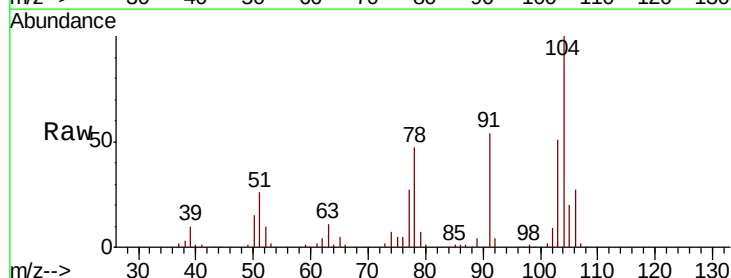
Manual Integrations
APPROVED

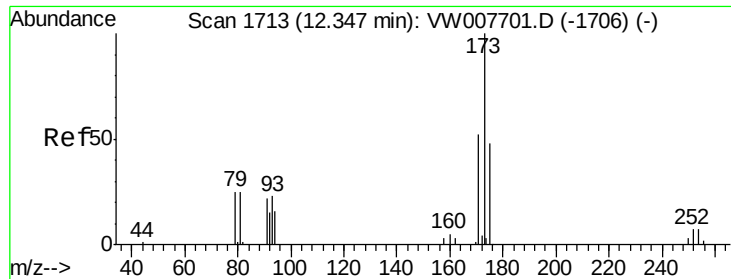
MMDadoda
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#70
Styrene
Concen: 24.258 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion:104 Resp: 56318
Ion Ratio Lower Upper
104 100
78 52.2 43.4 65.0
103 54.1 44.5 66.7





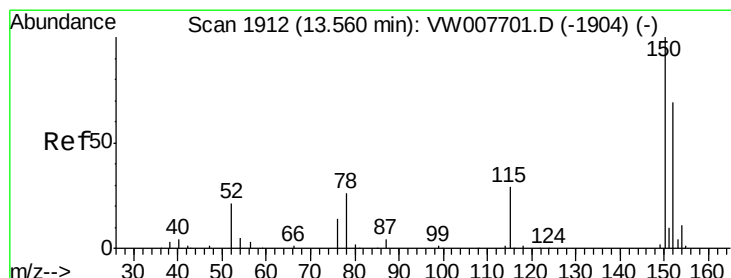
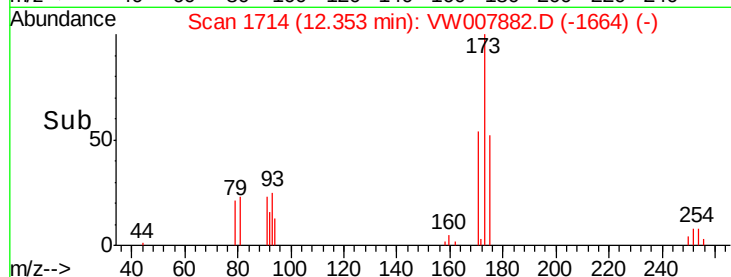
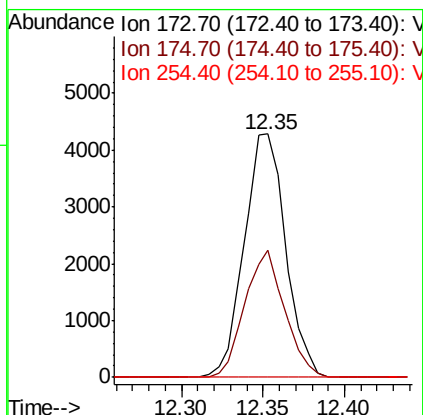
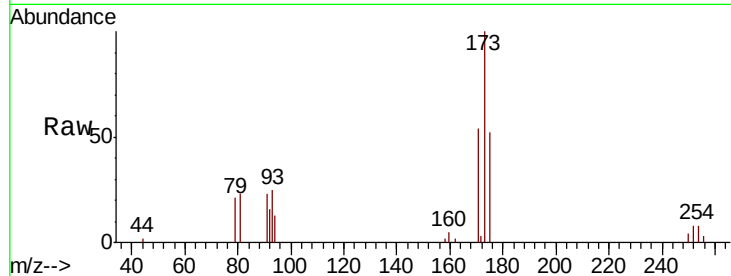
#71
Bromoform
Concen: 17.994 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.9	71.7
254	0.0	0.0	0.0

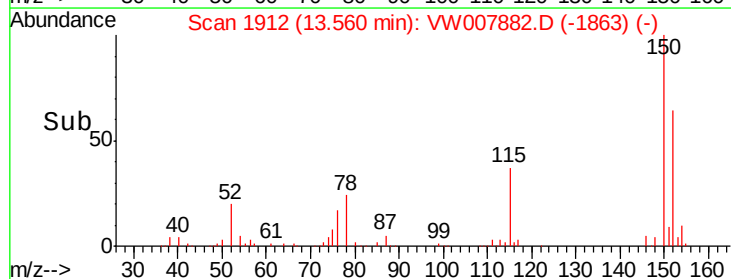
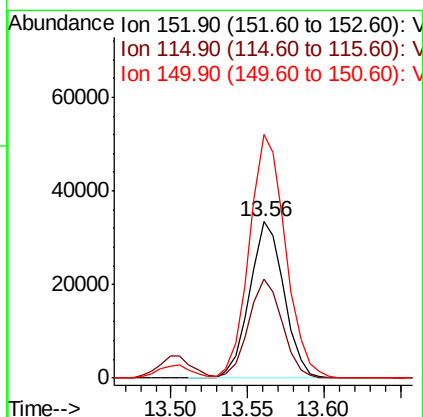
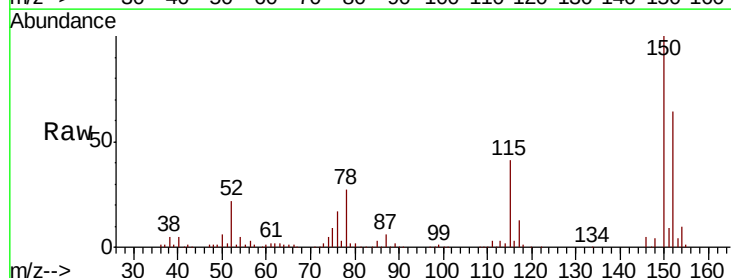
Manual Integrations
APPROVED

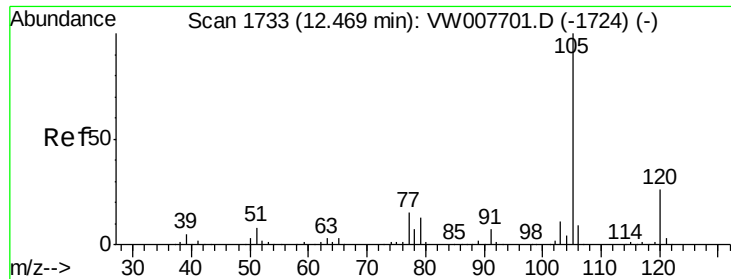
MMDadoda
12/26/2018 4:38:14 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.8	95.4
150	164.3	0.0	350.8





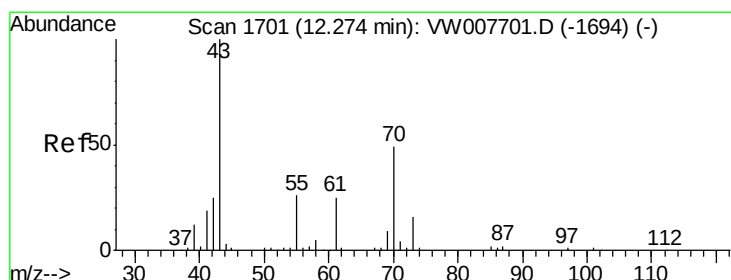
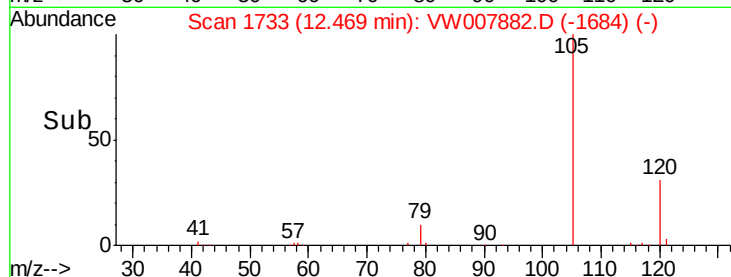
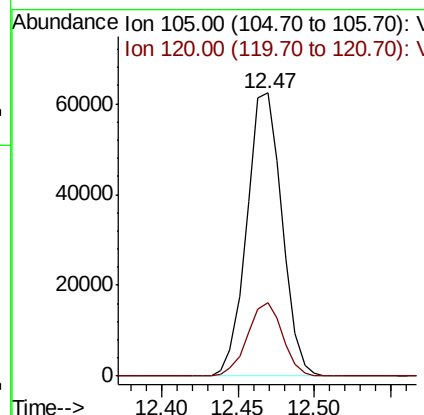
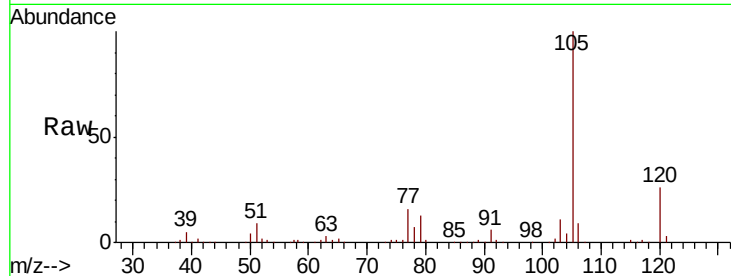
#73
Isopropylbenzene
Concen: 25.302 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

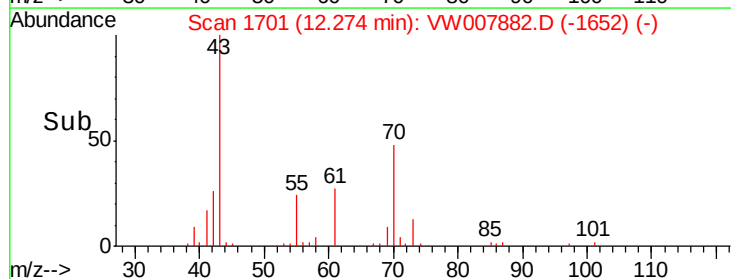
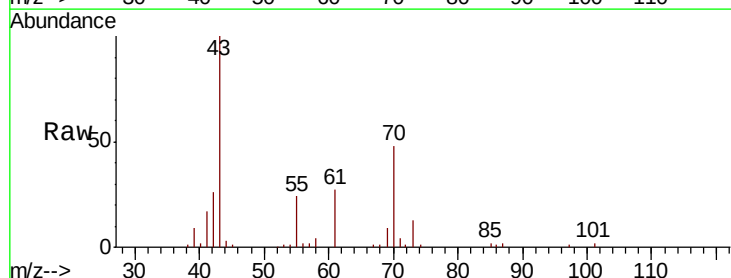
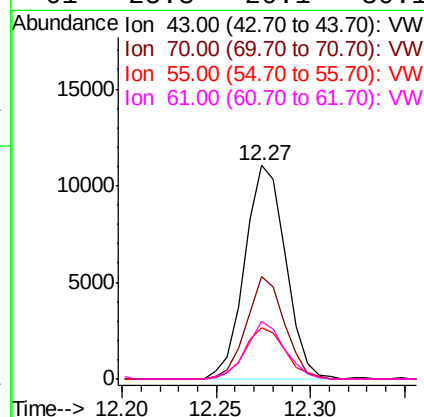
Manual Integrations
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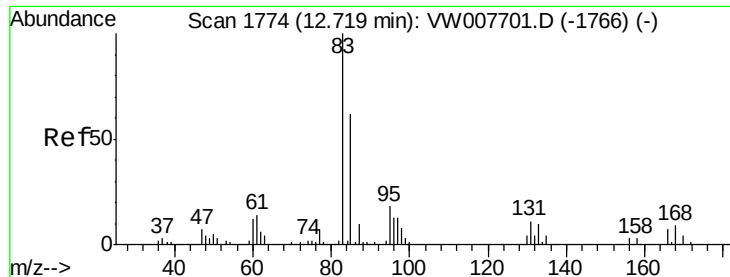
MMDadoda
12/26/2018 4:38:14 PM



#74
N-ethyl acetate
Concen: 24.305 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	37.6	56.4
55	24.2	21.7	32.5
61	25.3	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.808 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

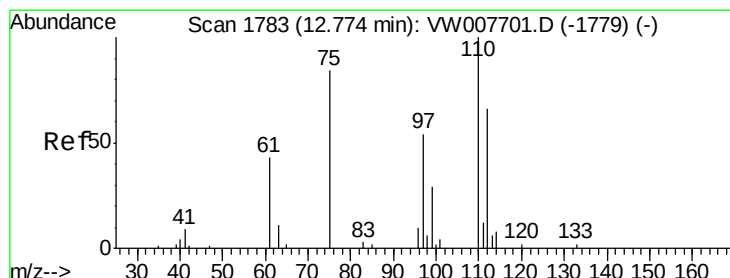
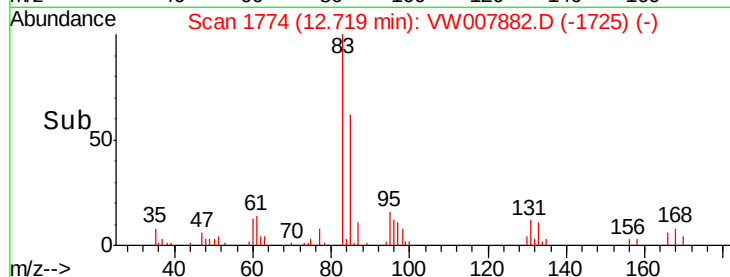
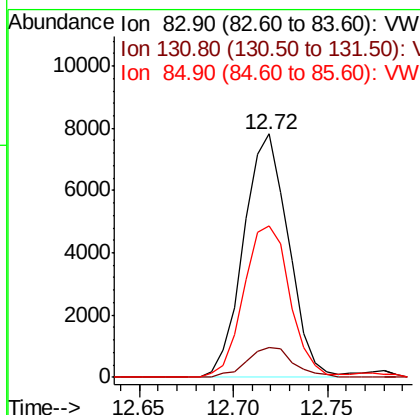
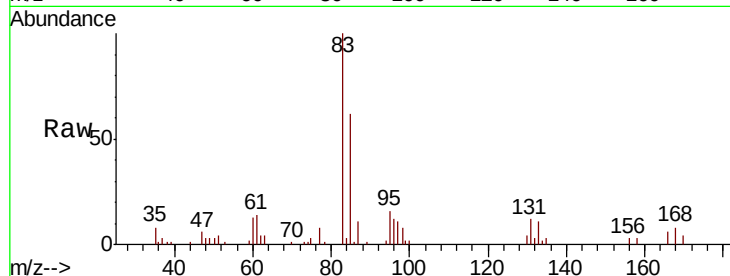
ClientSampleId :

VW1225SBS01

Tot Ion:	83	Resp:	12883
Ion Ratio	Lower	Upper	
83	100		
131	12.7	6.3	18.8
85	64.2	32.3	96.8

Manual Integrations
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12/26/2018 4:38:14 PM



#76

1,2,3-Trichloropropane

Concen: 25.666 ug/l m

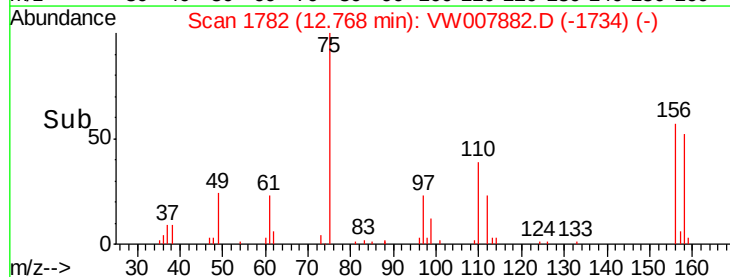
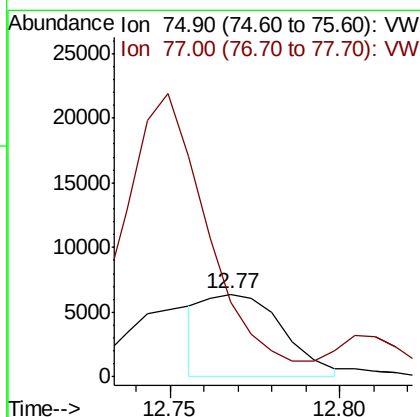
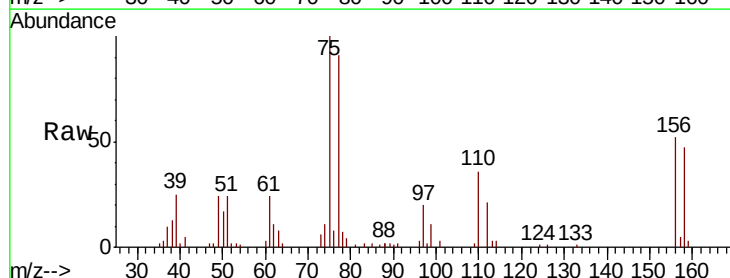
RT: 12.77 min Scan# 1782

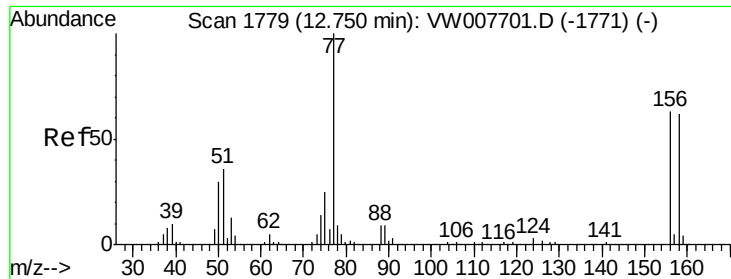
Delta R.T. -0.01 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion:	75	Resp:	10340
Ion Ratio	Lower	Upper	
75	100		
77	370.0	0.0	0.0#





#77

Bromobenzene

Concen: 22.834 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

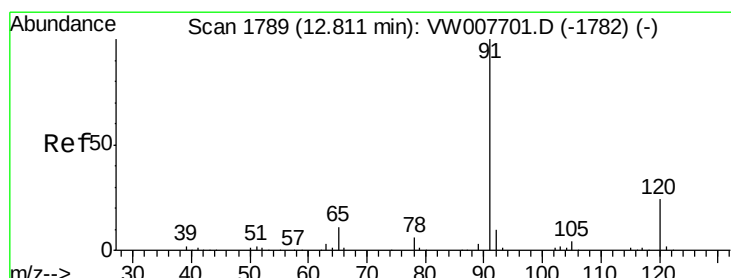
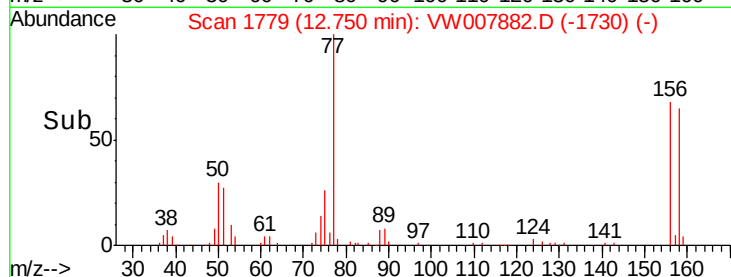
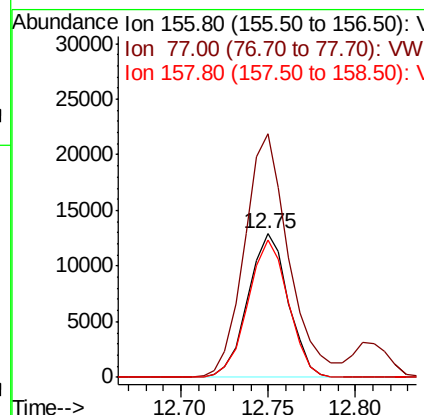
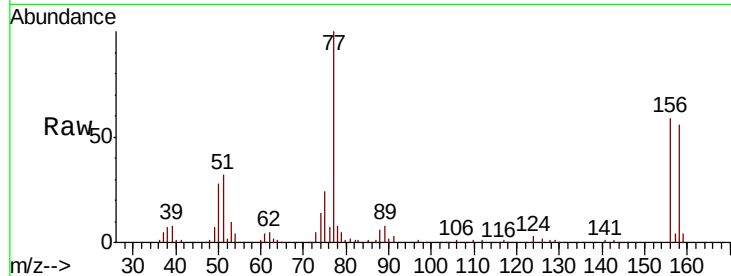
ClientSampleId :

VW1225SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	185.5	87.4	262.1	
158	95.6	48.4	145.0	

Manual Integrations
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#78

n-propylbenzene

Concen: 25.254 ug/l

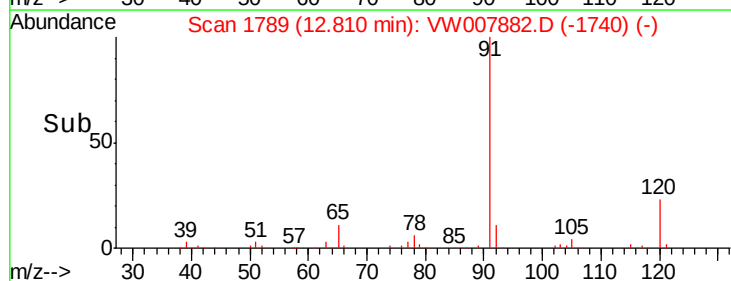
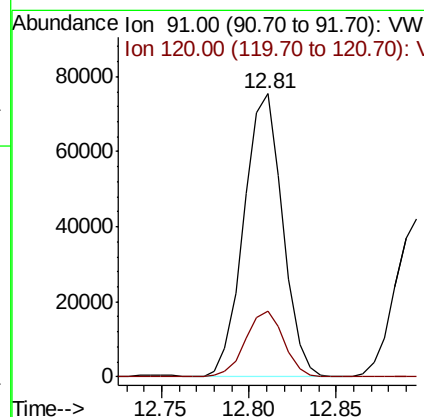
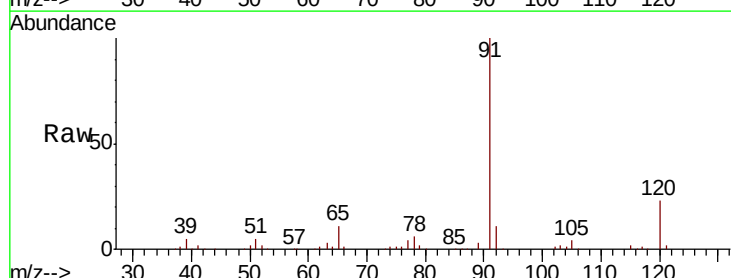
RT: 12.81 min Scan# 1789

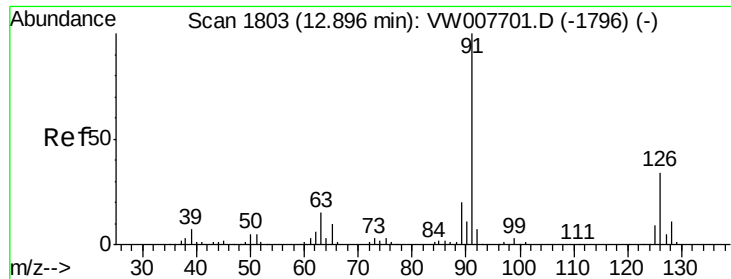
Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.9	35.7	





#79

2-Chlorotoluene

Concen: 25.027 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Instrument :

MSVOA_W

ClientSampleId :

VW1225SBS01

Tot Ion: 91 Resp: 66867

Ion Ratio Lower Upper

91 100

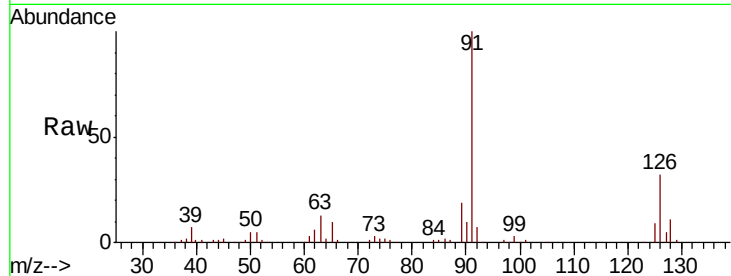
126 32.2 17.0 51.0

Manual Integrations

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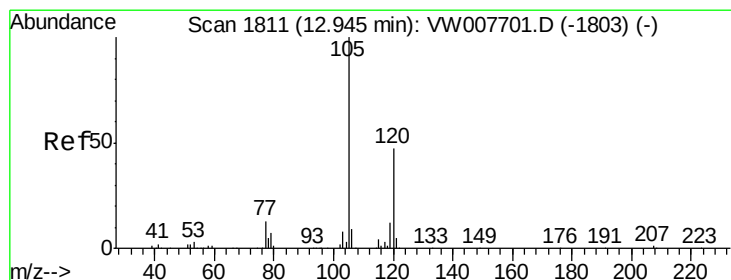
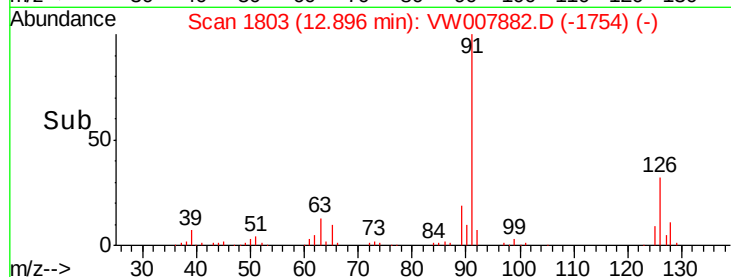
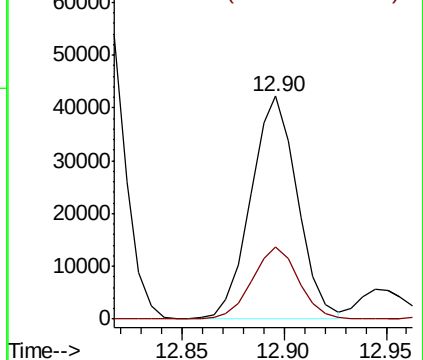
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 24.936 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW007882.D

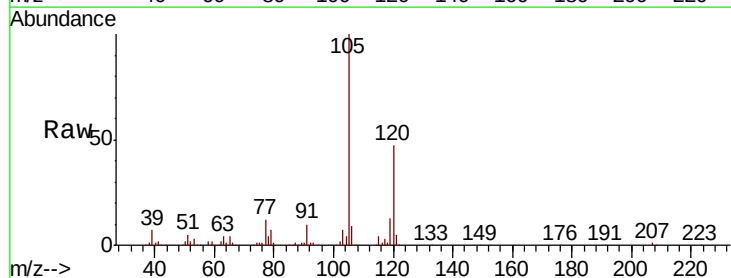
Acq: 24 Dec 2018 12:24

Tgt Ion:105 Resp: 84747

Ion Ratio Lower Upper

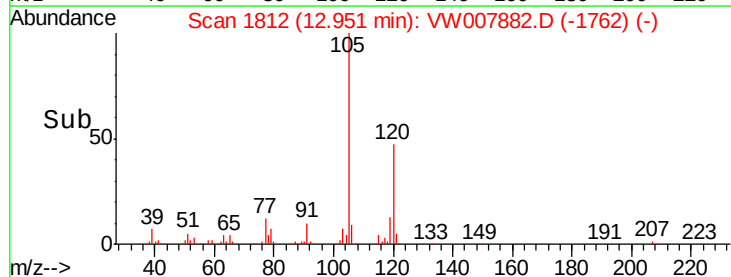
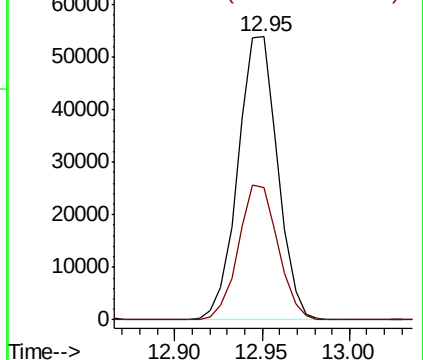
105 100

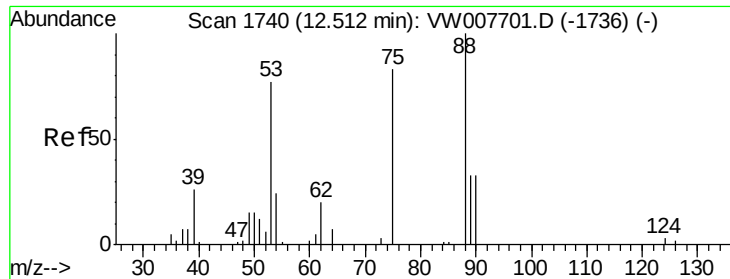
120 47.6 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





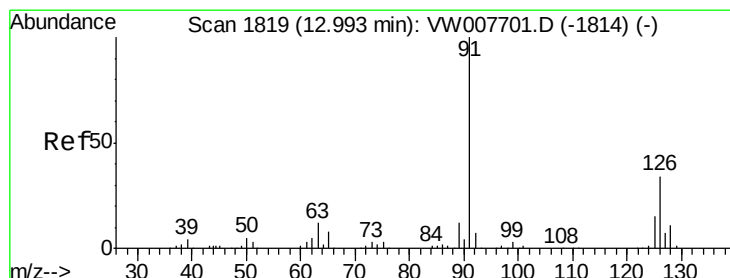
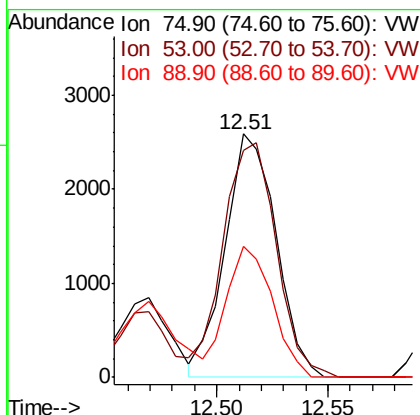
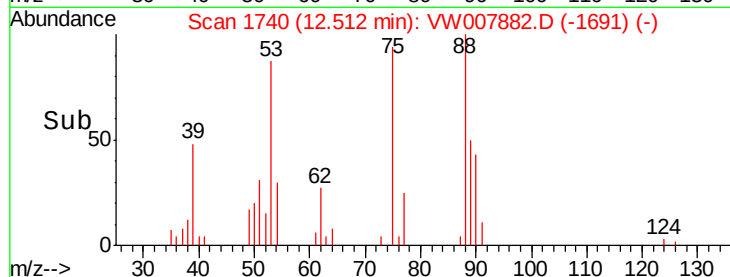
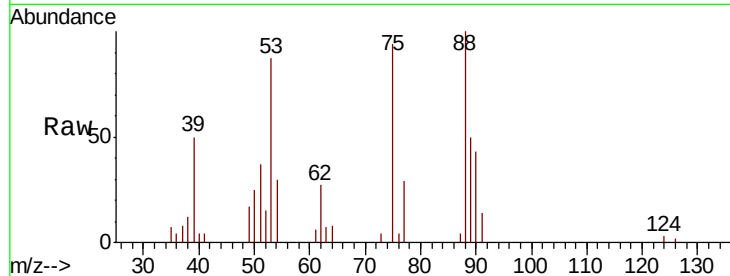
#81
trans-1,4-Dichloro-2-butene
Concen: 21.513 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	100.5	80.2	120.2
89	48.8	39.2	58.8

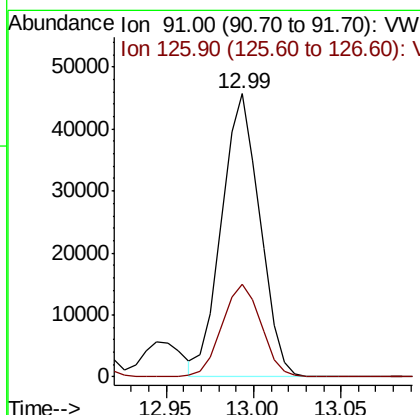
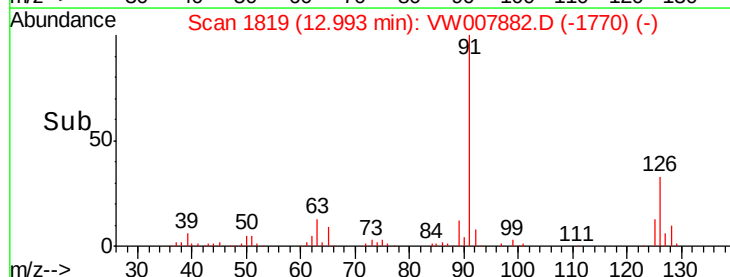
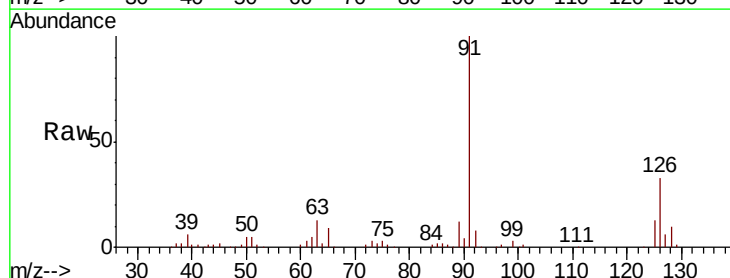
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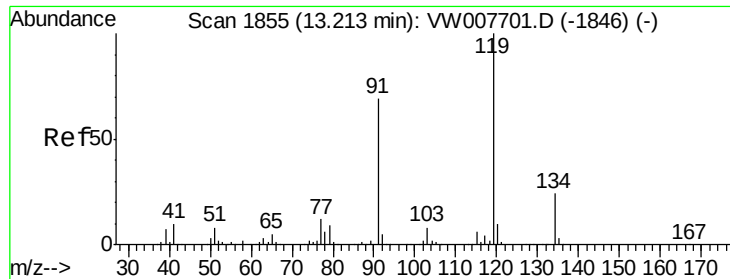
MMDadoda
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#82
4-Chlorotoluene
Concen: 24.439 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.5	16.5	49.5





#83

tert-Butylbenzene

Concen: 25.108 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

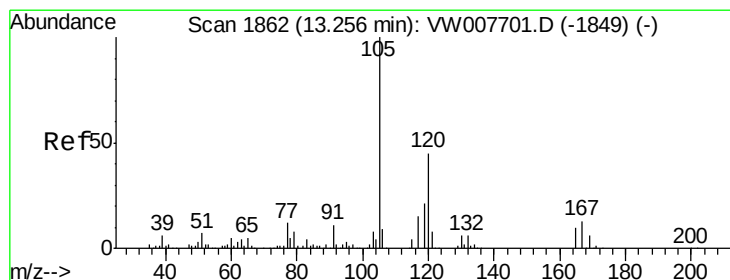
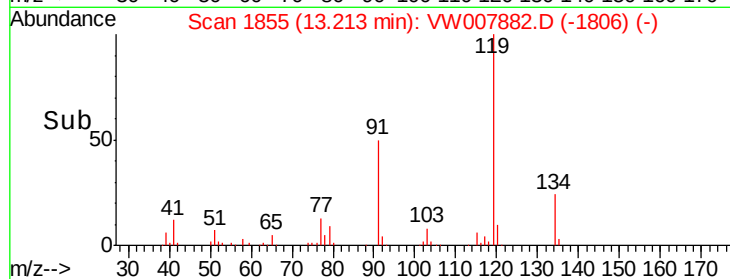
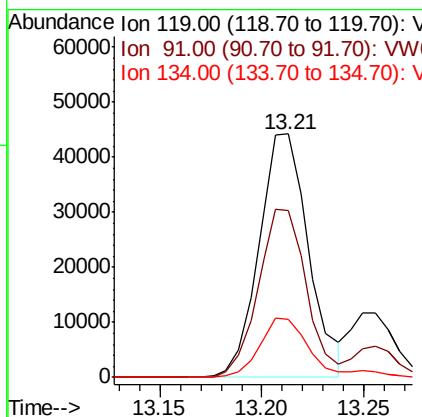
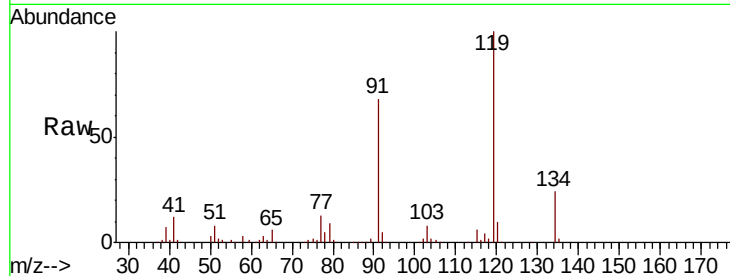
Instrument :
MSVOA_W

ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	34.2	102.5
134	25.2	12.8	38.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 24.698 ug/l

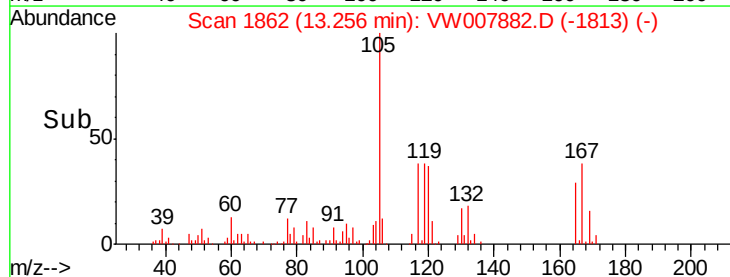
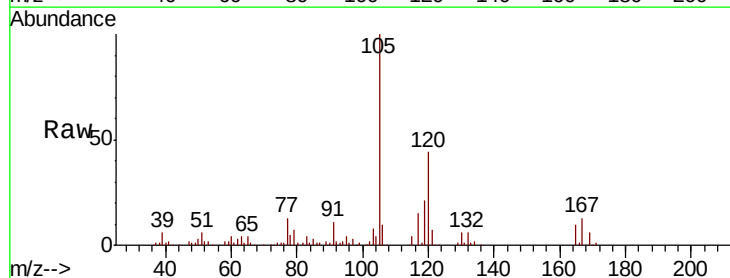
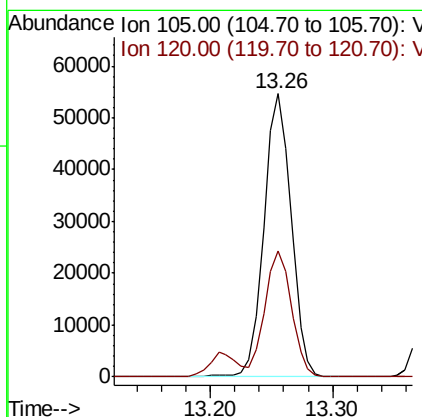
RT: 13.26 min Scan# 1862

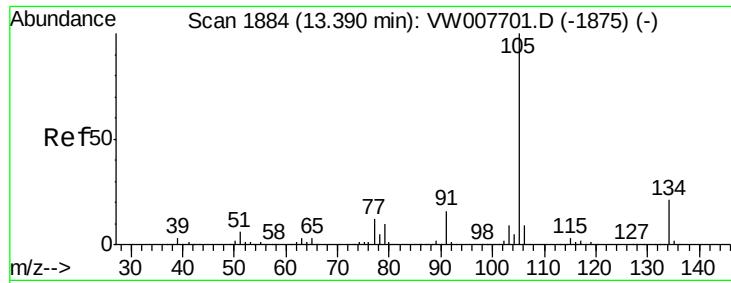
Delta R.T. -0.00 min

Lab File: VW007882.D

Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.0	66.0





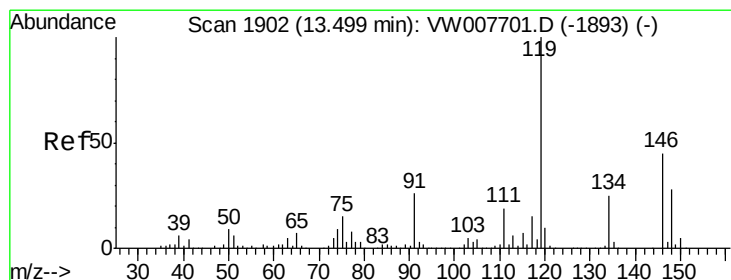
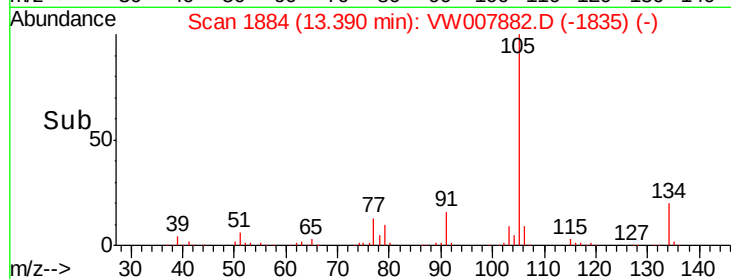
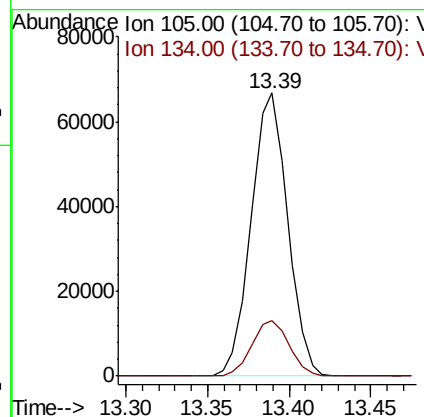
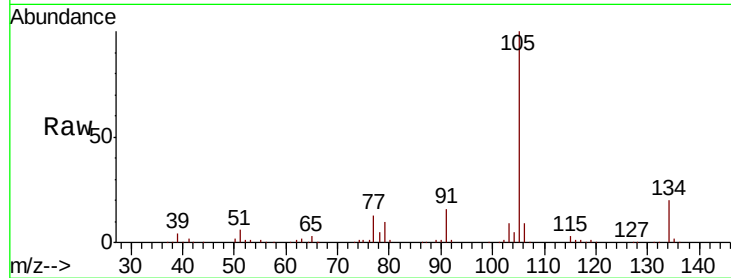
#85
 sec-Butylbenzene
 Concen: 25.344 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.4

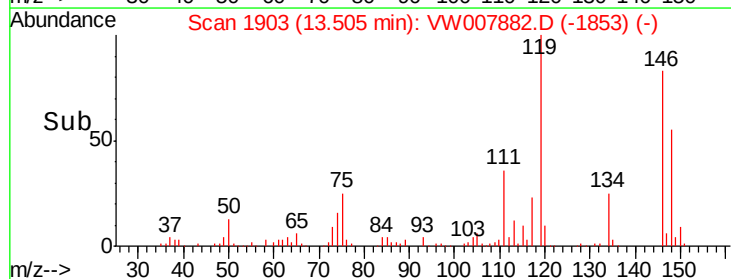
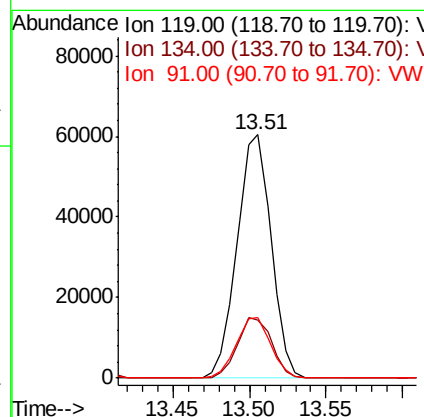
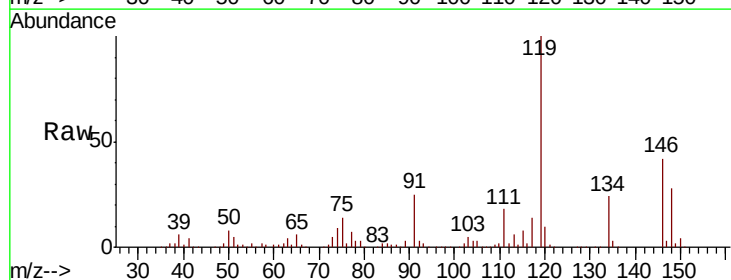
Manual Integrations
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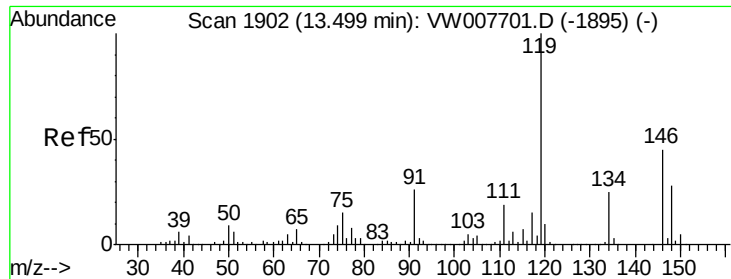
MMDadoda
 12/26/2018 4:38:14 PM



#86
 p-Isopropyltoluene
 Concen: 24.978 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.0	39.0
91	25.2	12.8	38.4





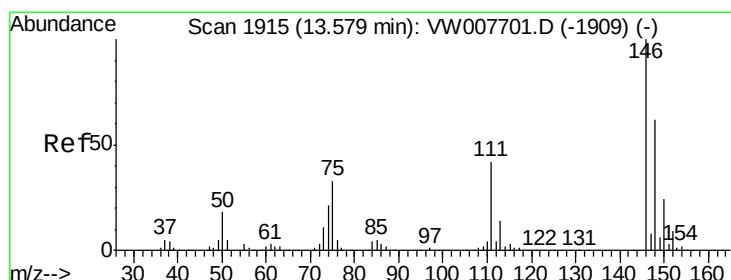
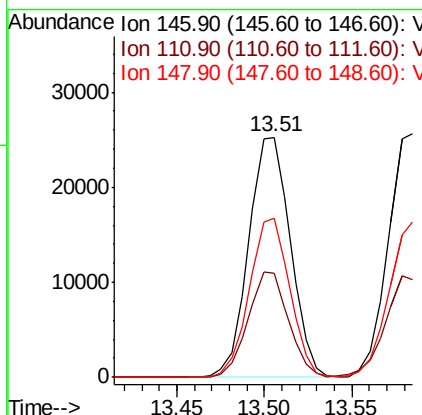
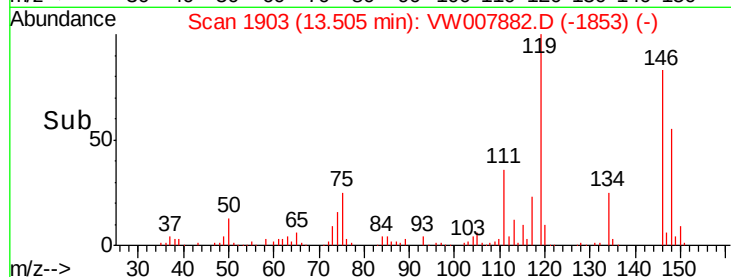
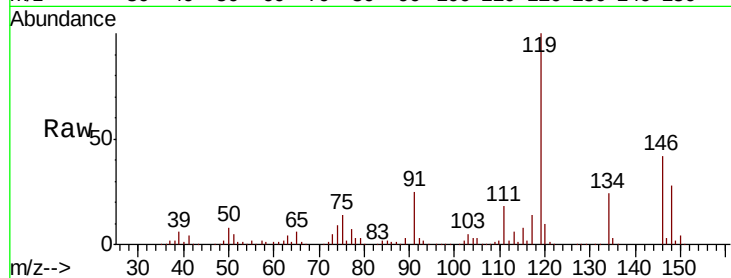
#87
 1,3-Dichlorobenzene
 Concen: 23.365 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1225SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.4
148	64.1	32.1	96.5

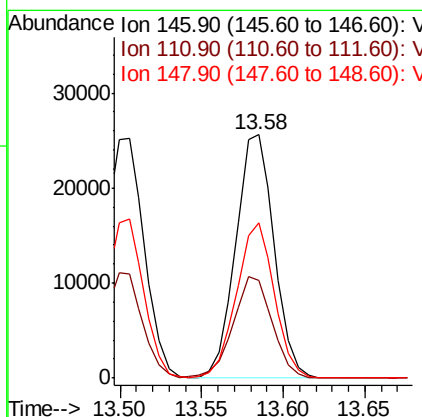
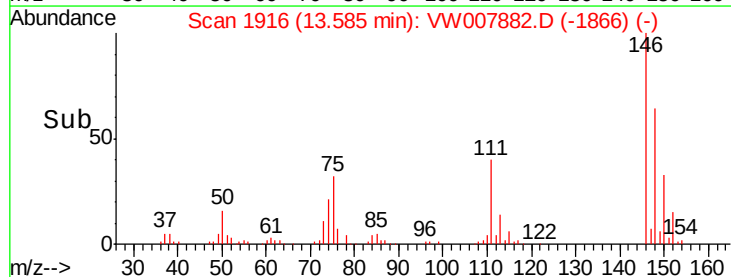
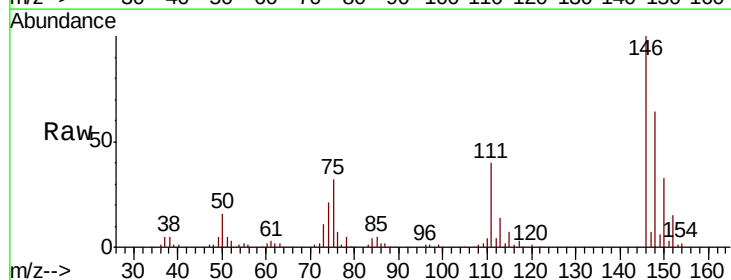
Manual Integrations
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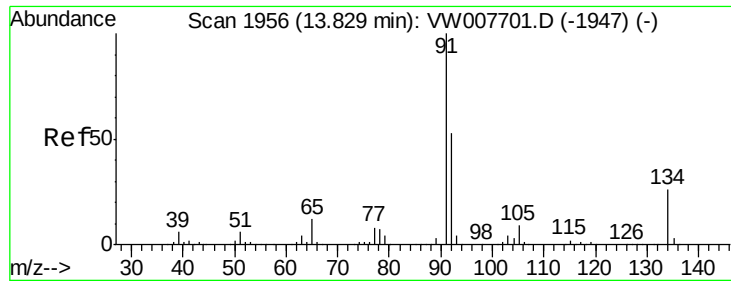
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#88
 1,4-Dichlorobenzene
 Concen: 23.376 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007882.D
 Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.0	63.0
148	63.0	31.8	95.4





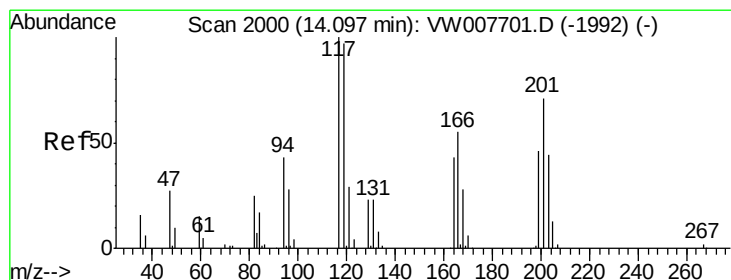
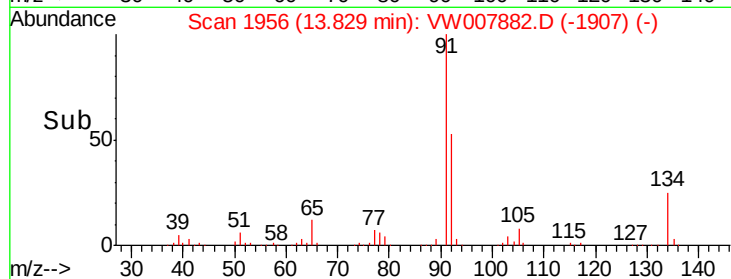
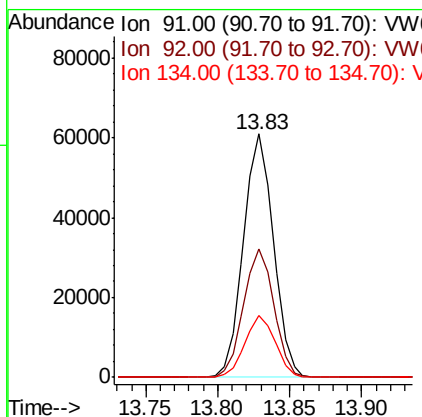
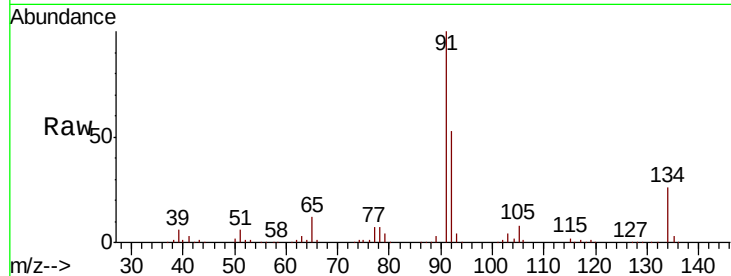
#89
n-Butylbenzene
Concen: 25.726 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	25.7	13.7	41.0

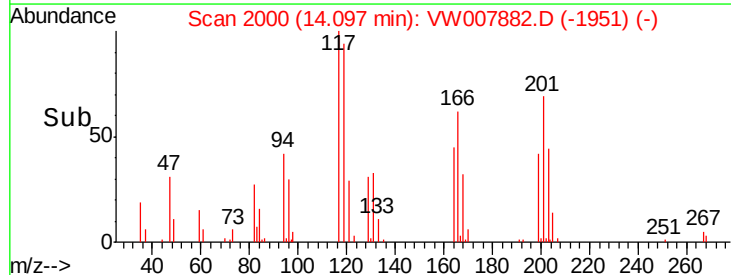
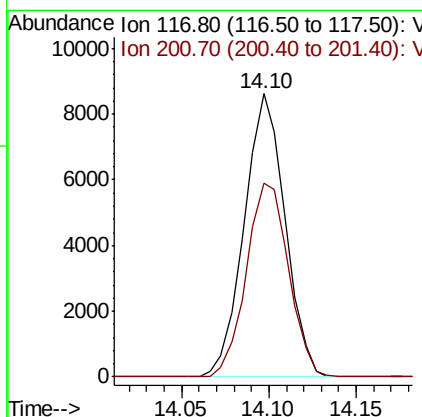
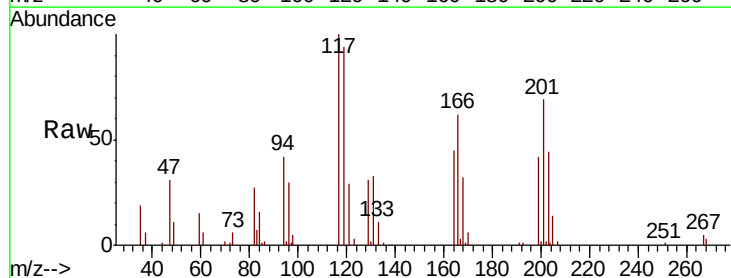
Manual Integrations
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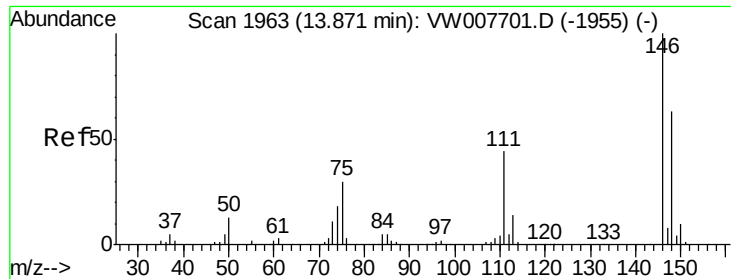
MMDadoda
12/26/2018 4:38:14 PM



#90
Hexachloroethane
Concen: 21.420 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	36.2	108.6





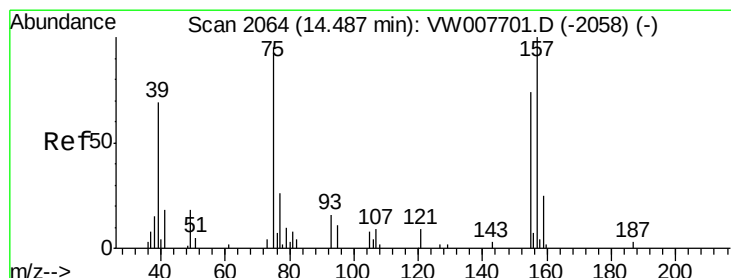
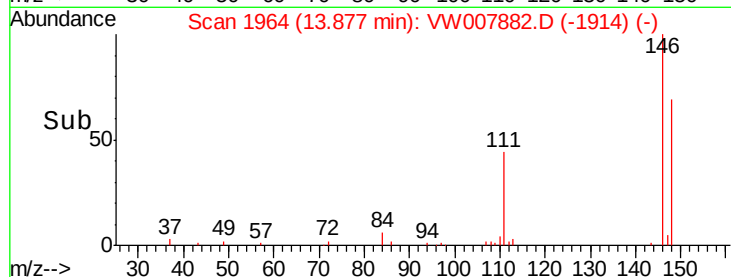
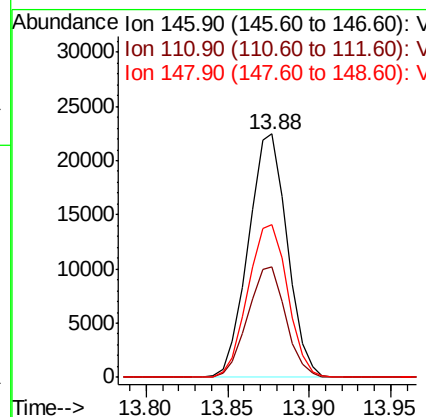
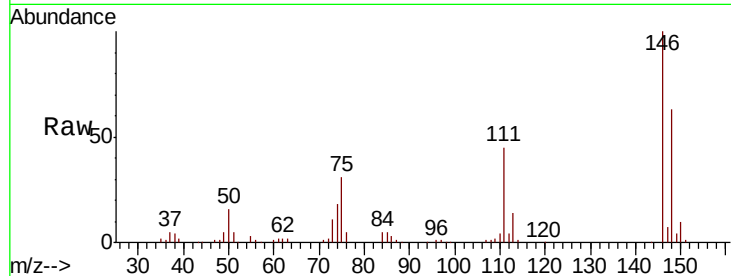
#91
1,2-Dichlorobenzene
Concen: 23.241 ug/l
RT: 13.88 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.7	65.1
148	63.8	32.1	96.5

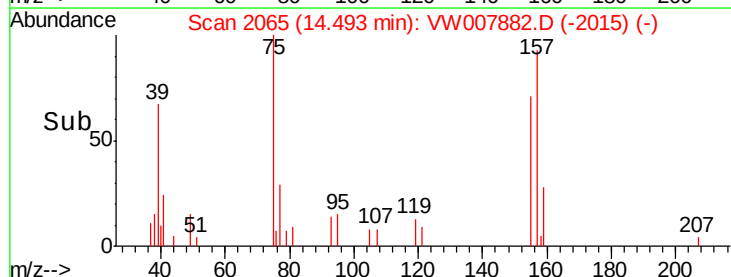
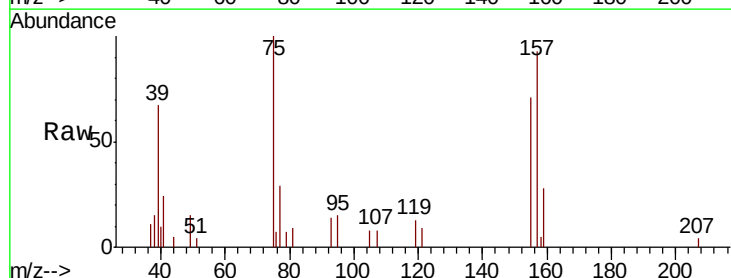
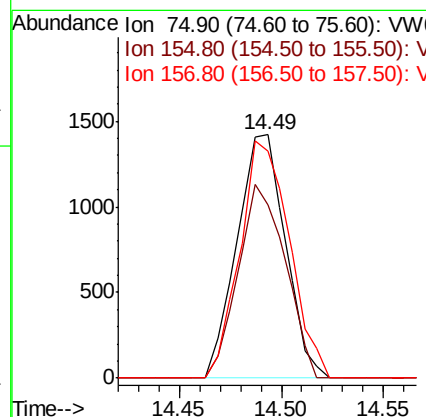
Manual Integrations
APPROVED

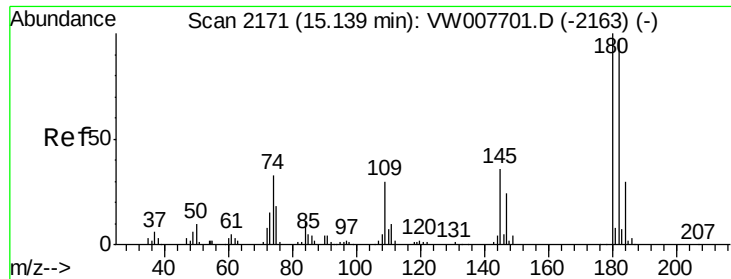
MMDadoda
12/26/2018 4:38:14 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 19.272 ug/l
RT: 14.49 min Scan# 2065
Delta R.T. 0.01 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.2	39.4	118.1
157	100.0	52.0	156.0





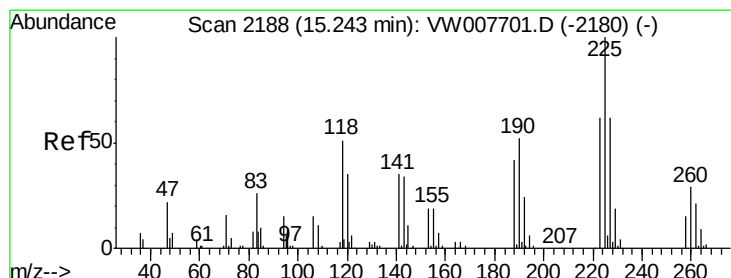
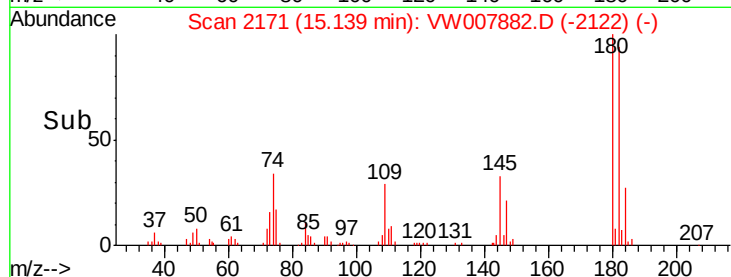
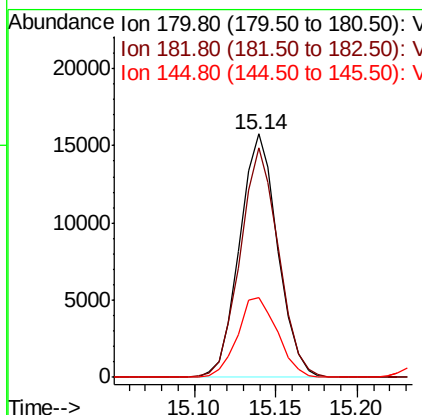
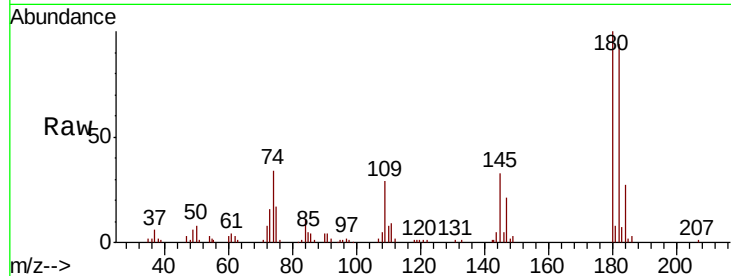
#93
1,2,4-Trichlorobenzene
Concen: 22.926 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	34.1	17.5	52.5

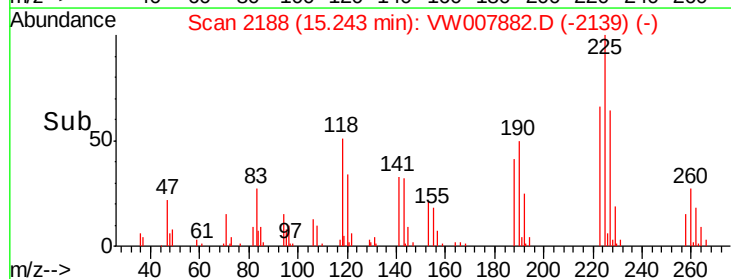
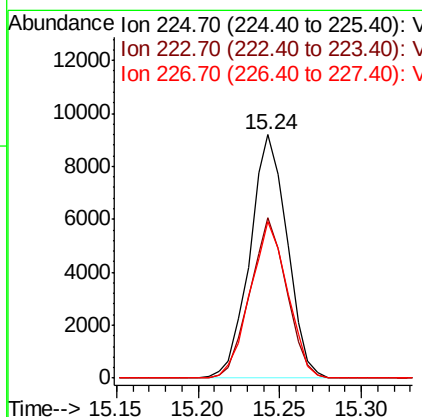
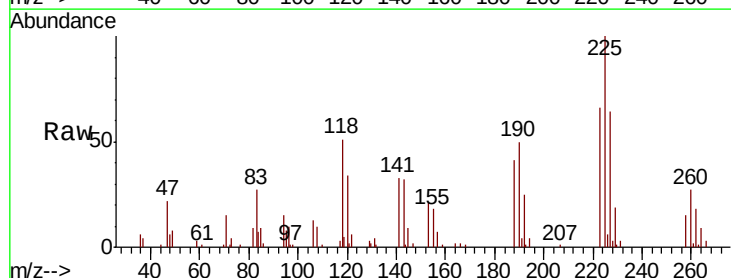
Manual Integrations
APPROVED

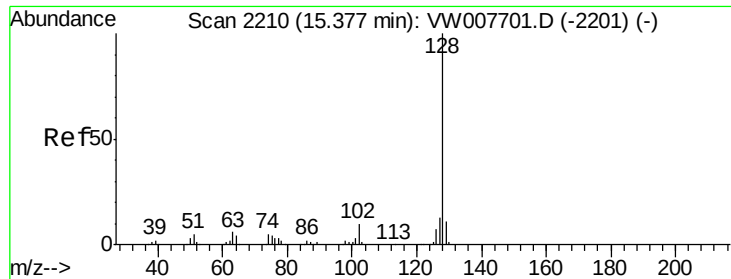
MMDadoda
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#94
Hexachlorobutadiene
Concen: 24.578 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	94.8
227	64.3	32.1	96.3





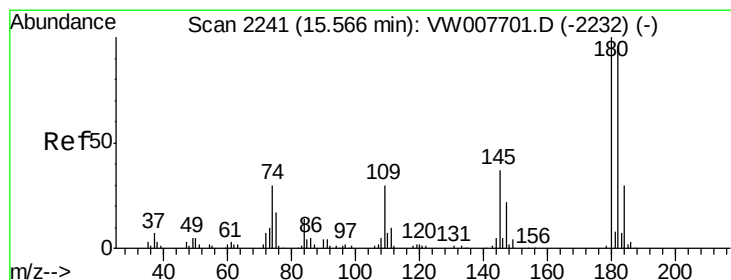
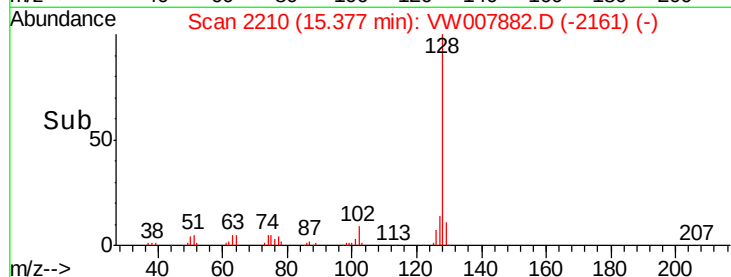
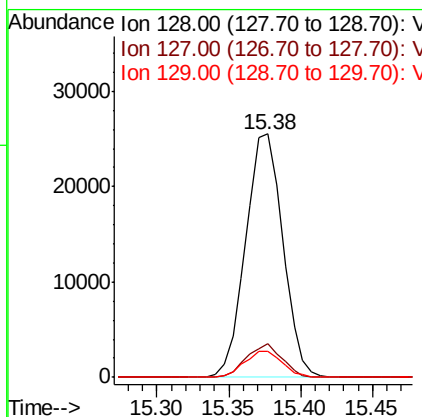
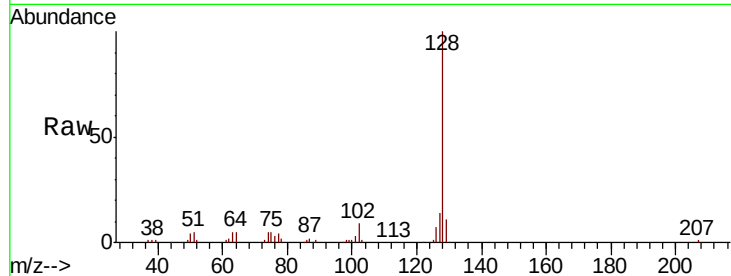
#95
Naphthalene
Concen: 22.204 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Instrument :
MSVOA_W
ClientSampleId :
VW1225SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 4:38:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.777 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007882.D
Acq: 24 Dec 2018 12:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.2
145	35.5	18.4	55.0

