

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007826.D
 Acq On : 22 Dec 2018 07:31
 Operator : SY/AP
 Sample : VW1223SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 11:00:16 AM

Quant Time: Dec 24 00:06:14 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	65372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	109947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	100408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50369	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	37495	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
35) Dibromofluoromethane	7.88	113	33098	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.32	98	126248	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.62	95	49475	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	10848	18.666	ug/l	98
3) Chloromethane	2.21	50	9331	26.148	ug/l	97
4) Vinyl Chloride	2.37	62	11405	25.106	ug/l	91
5) Bromomethane	2.78	94	7913	25.009	ug/l	98
6) Chloroethane	2.93	64	6540	26.910	ug/l	99
7) Trichlorofluoromethane	3.26	101	8735	18.470	ug/l	94
8) Diethyl Ether	3.68	74	8040	27.755	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.06	101	14561	20.905	ug/l	99
10) Methyl Iodide	4.27	142	24829	22.416	ug/l	97
11) Tert butyl alcohol	5.17	59	7266	150.329	ug/l	98
12) 1,1-Dichloroethene	4.04	96	14117	21.888	ug/l	97
13) Acrolein	3.89	56	4186	108.317	ug/l	97
14) Allyl chloride	4.67	41	21025	24.858	ug/l	92
15) Acrylonitrile	5.37	53	17102	138.403	ug/l	99
16) Acetone	4.12	43	14508	108.129	ug/l #	86
17) Carbon Disulfide	4.37	76	39246	19.663	ug/l	99
18) Methyl Acetate	4.67	43	9625	30.164	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	26093	28.180	ug/l	97
20) Methylene Chloride	4.91	84	18051	23.569	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	16035	22.605	ug/l	90
22) Diisopropyl ether	6.31	45	42561	26.874	ug/l	98
23) Vinyl Acetate	6.26	43	122331	130.010	ug/l	99
24) 1,1-Dichloroethane	6.21	63	28256	24.252	ug/l	97
25) 2-Butanone	7.17	43	20867	132.779	ug/l	95
26) 2,2-Dichloropropane	7.17	77	15983	18.747	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	18300	24.215	ug/l	99
28) Bromochloromethane	7.51	49	9296	23.402	ug/l #	94
29) Tetrahydrofuran	7.52	42	13964	148.964	ug/l	95
30) Chloroform	7.67	83	30674	23.264	ug/l	97
31) Cyclohexane	7.95	56	24062	22.559	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	26340	21.935	ug/l	98
36) 1,1-Dichloropropene	8.08	75	22995	21.669	ug/l	97
37) Ethyl Acetate	7.26	43	9522	26.000	ug/l	99
38) Carbon Tetrachloride	8.07	117	23149	18.523	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)
39) Methylcyclohexane	9.34	83	27631	20.954	ug/l	97
40) Benzene	8.32	78	64298	22.706	ug/l	99
41) Methacrylonitrile	7.49	41	6371	30.640	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	21510	22.666	ug/l	98
43) Isopropyl Acetate	8.43	43	19411	26.455	ug/l	96
44) Trichloroethene	9.09	130	18520	21.626	ug/l	96
45) 1,2-Dichloropropane	9.37	63	15234	24.245	ug/l	99
46) Dibromomethane	9.46	93	9059	23.421	ug/l	98
47) Bromodichloromethane	9.65	83	21386	21.032	ug/l	98
48) Methyl methacrylate	9.44	41	10315m	28.164	ug/l	
49) 1,4-Dioxane	9.45	88	3612	589.007	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	46460	133.984	ug/l	99
52) Toluene	10.39	92	42876	22.567	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	21846	21.599	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	24322	21.771	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12784	23.975	ug/l	95
56) Ethyl methacrylate	10.65	69	16169	25.665	ug/l	95
57) 1,3-Dichloropropane	10.93	76	20793	23.483	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	38688	134.500	ug/l	97
59) 2-Hexanone	10.97	43	31782	130.327	ug/l	99
60) Dibromochloromethane	11.13	129	14467	20.491	ug/l	97
61) 1,2-Dibromoethane	11.24	107	12880	23.853	ug/l	100
64) Tetrachloroethene	10.86	164	17177	24.158	ug/l	98
65) Chlorobenzene	11.66	112	48201	22.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	16258	20.936	ug/l	97
67) Ethyl Benzene	11.73	91	83478	22.384	ug/l	95
68) m/p-Xylenes	11.84	106	64075	44.292	ug/l	98
69) o-Xylene	12.16	106	31253	23.047	ug/l	97
70) Styrene	12.18	104	50973	22.867	ug/l	99
71) Bromoform	12.35	173	7974	19.781	ug/l #	97
73) Isopropylbenzene	12.47	105	86074	22.607	ug/l	100
74) N-amyl acetate	12.27	43	17718	26.866	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	14179	24.838	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	12833m	32.964	ug/l	
77) Bromobenzene	12.75	156	19508	22.358	ug/l	96
78) n-propylbenzene	12.80	91	99215	22.386	ug/l	98
79) 2-Chlorotoluene	12.90	91	58743	22.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	74719	22.752	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3858	20.802	ug/l	98
82) 4-Chlorotoluene	12.99	91	62156	22.610	ug/l	100
83) tert-Butylbenzene	13.21	119	65774	22.826	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	75252	22.708	ug/l	98
85) sec-Butylbenzene	13.39	105	88495	22.284	ug/l	99
86) p-Isopropyltoluene	13.50	119	80243	22.221	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	39109	22.575	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	38698	22.331	ug/l	98
89) n-Butylbenzene	13.83	91	71203	21.505	ug/l	99
90) Hexachloroethane	14.10	117	11686	18.433	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	35598	22.950	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2414	20.592	ug/l	91

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Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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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	23976	22.268	ug/l	100
94) Hexachlorobutadiene	15.24	225	12003	20.860	ug/l	97
95) Naphthalene	15.37	128	50753	25.496	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	21156	22.954	ug/l	100

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

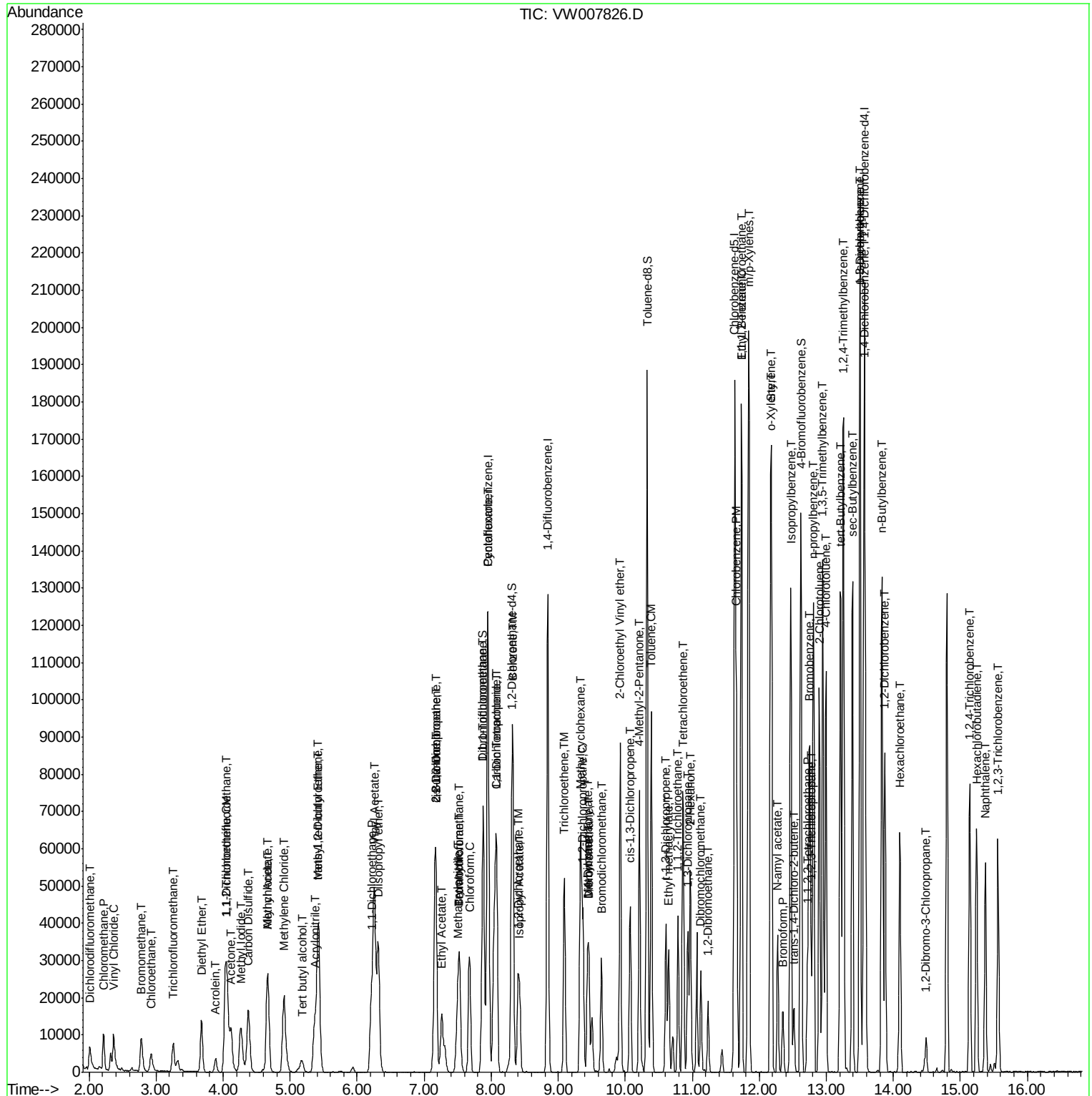
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007826.D
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Operator : SY/AP
Sample : VW1223SBSD02
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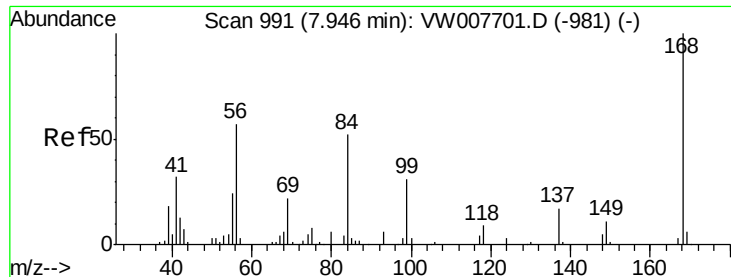
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBSD02

Manual Integrations
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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: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion:168 Resp: 65372

Ion Ratio Lower Upper

168 100

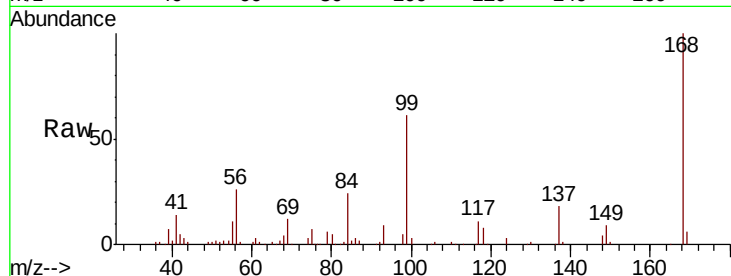
99 60.6 54.0 81.0

Manual Integrations

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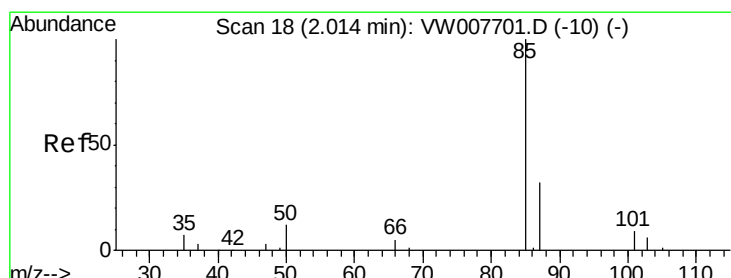
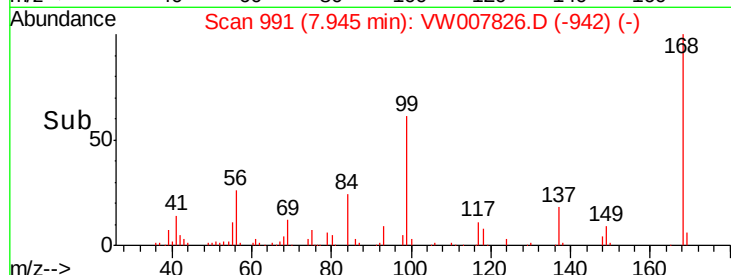
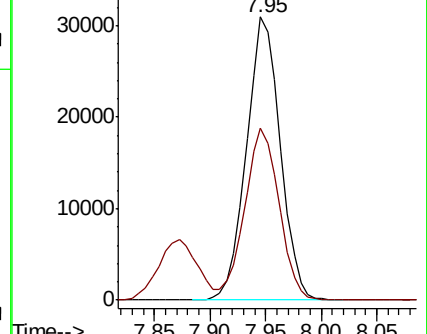
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12/26/2018 11:00:16 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 18.666 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW007826.D

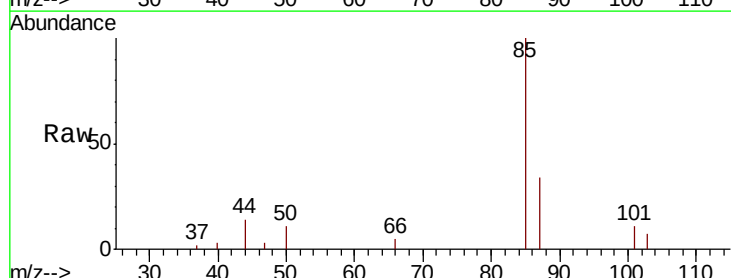
Acq: 22 Dec 2018 07:31

Tgt Ion: 85 Resp: 10848

Ion Ratio Lower Upper

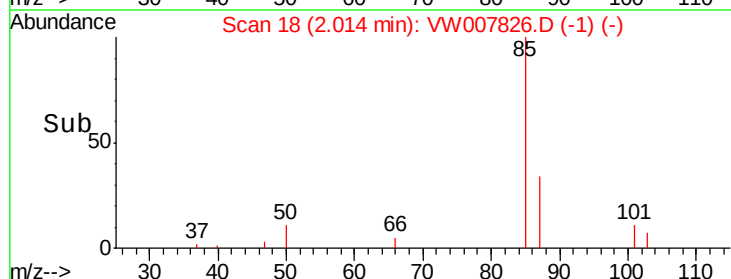
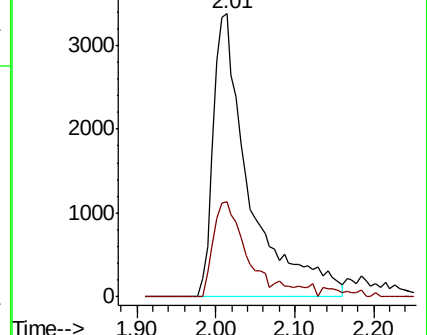
85 100

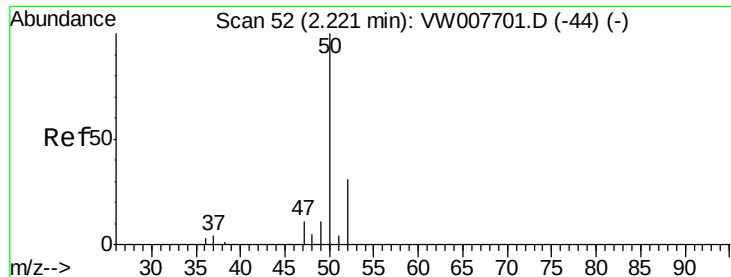
87 33.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 26.148 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 50 Resp: 9331

Ion Ratio Lower Upper

50 100

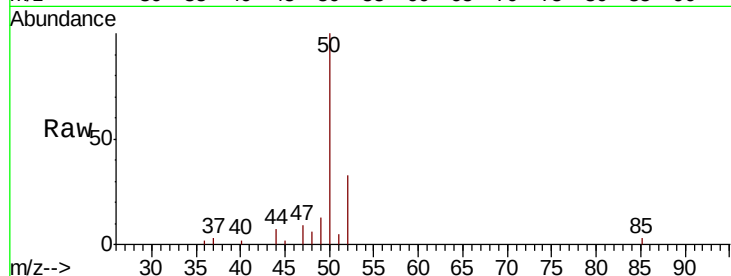
52 33.2 25.1 37.7

Manual Integrations

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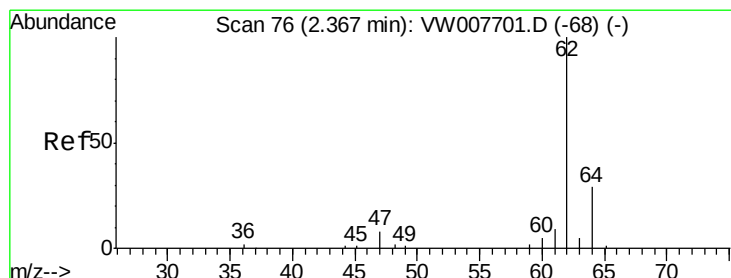
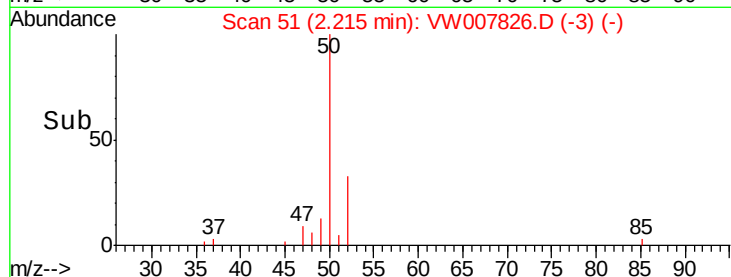
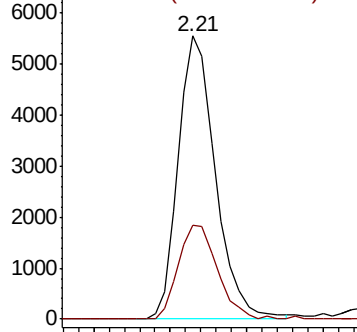
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 25.106 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007826.D

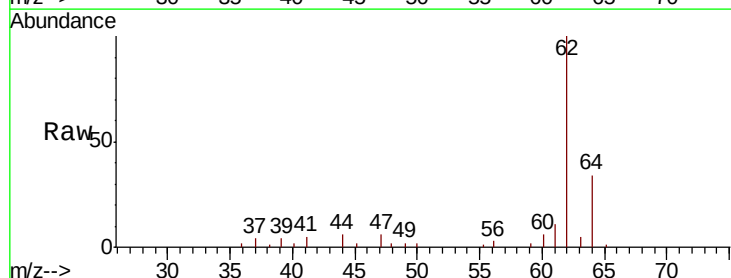
Acq: 22 Dec 2018 07:31

Tgt Ion: 62 Resp: 11405

Ion Ratio Lower Upper

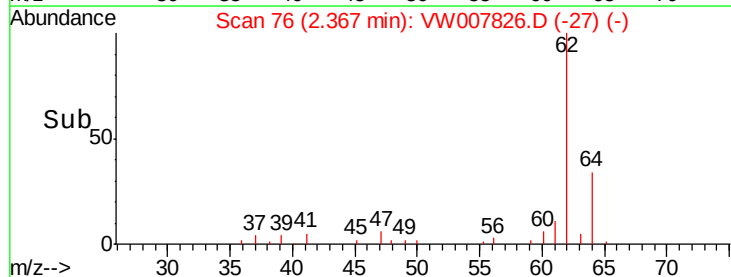
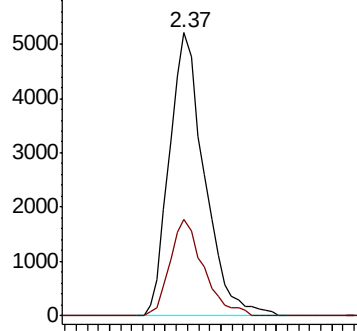
62 100

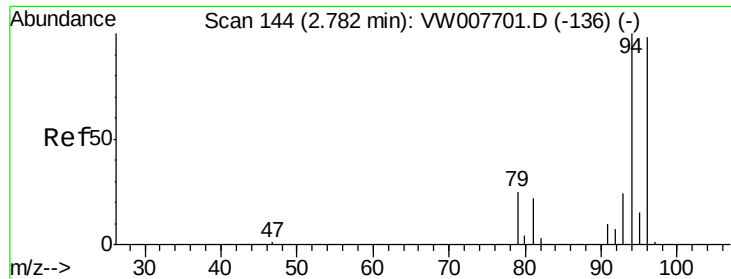
64 33.9 23.4 35.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 25.009 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 94 Resp: 7913

Ion Ratio Lower Upper

94 100

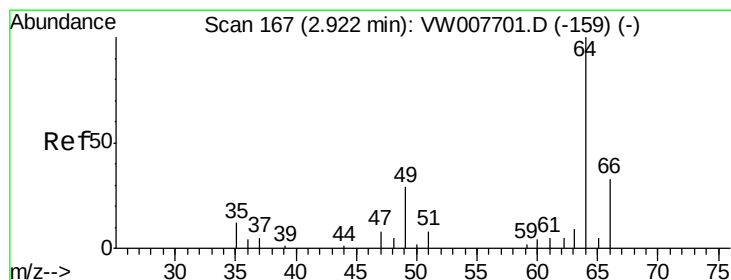
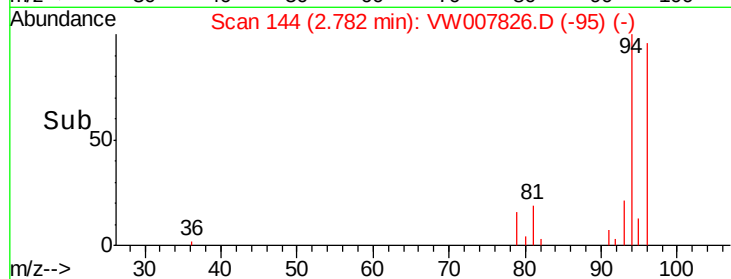
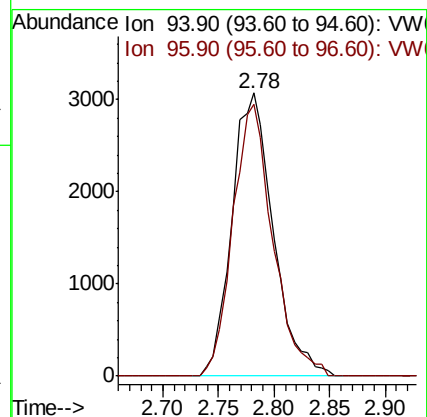
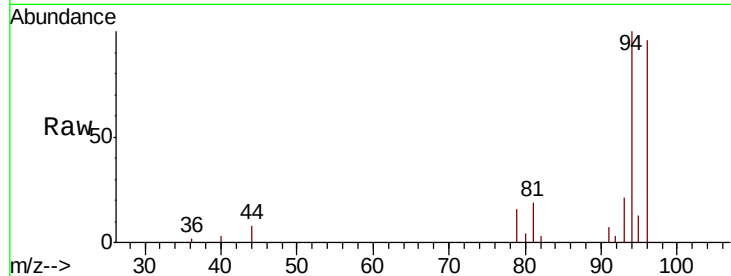
96 95.9 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 26.910 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007826.D

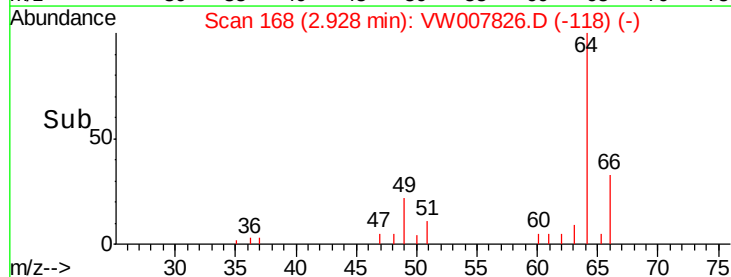
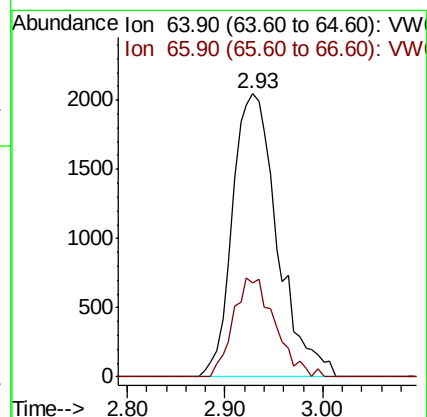
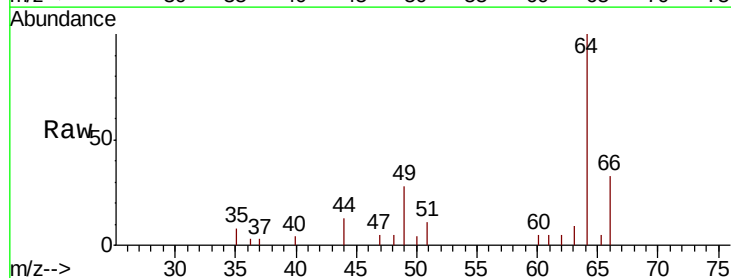
Acq: 22 Dec 2018 07:31

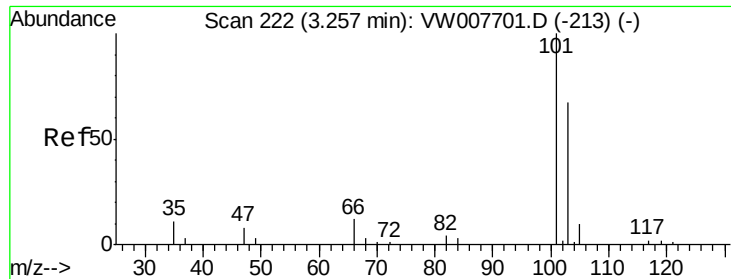
Tgt Ion: 64 Resp: 6540

Ion Ratio Lower Upper

64 100

66 33.2 26.2 39.4





#7

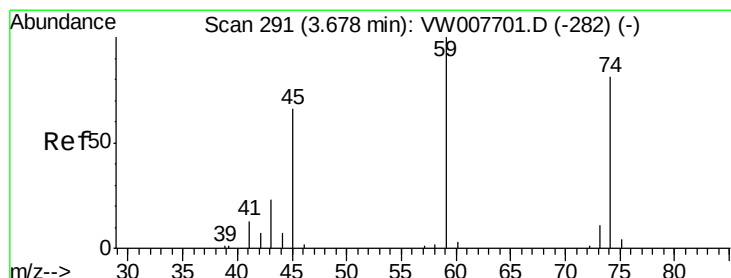
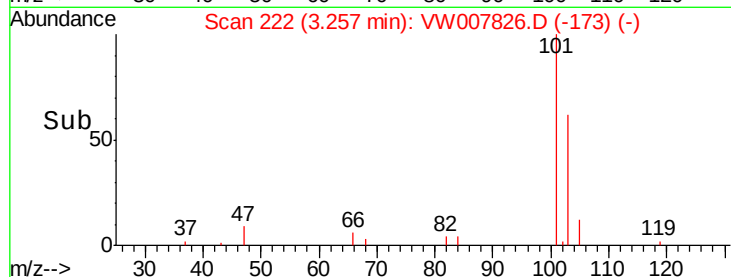
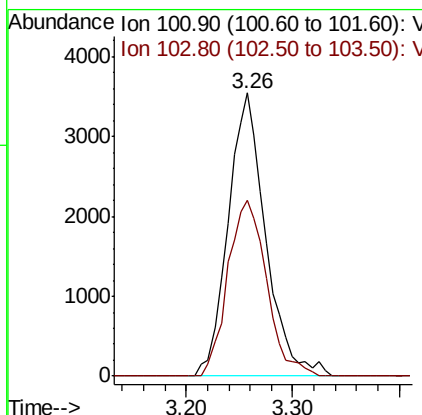
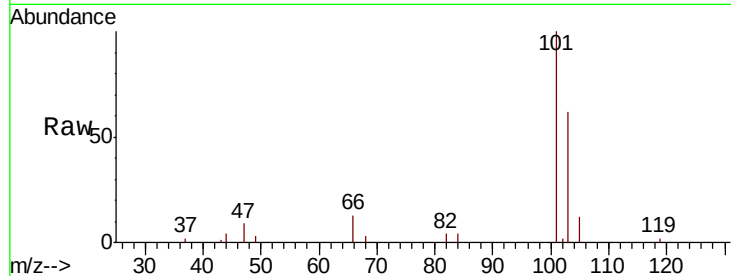
Trichlorofluoromethane
Concen: 18.470 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	53.4	80.2

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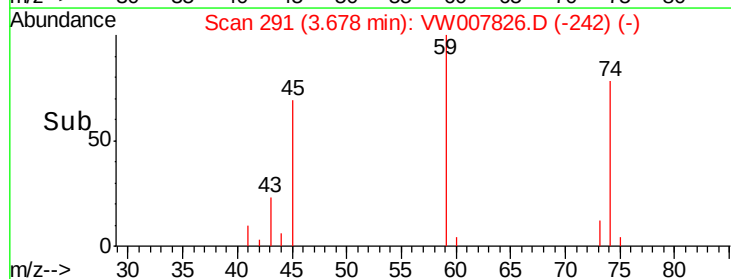
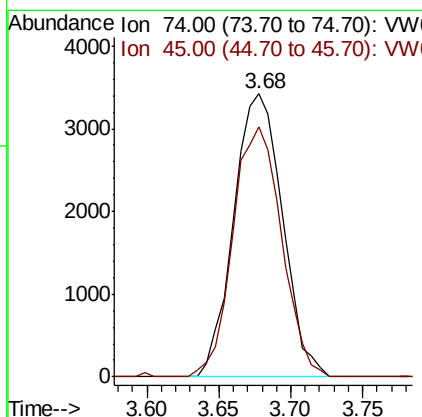
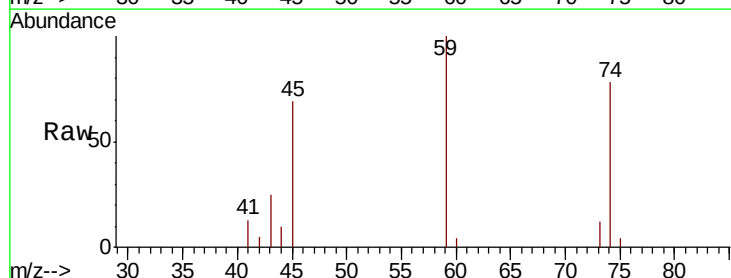
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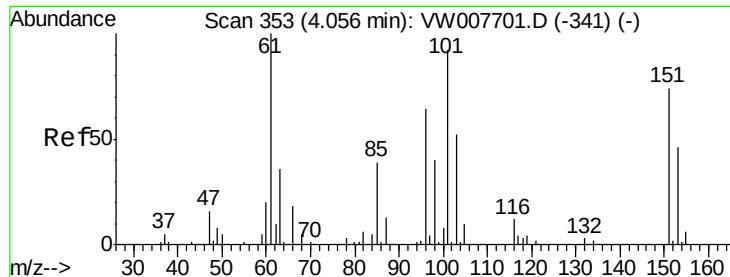


#8

Diethyl Ether
Concen: 27.755 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.3	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.905 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

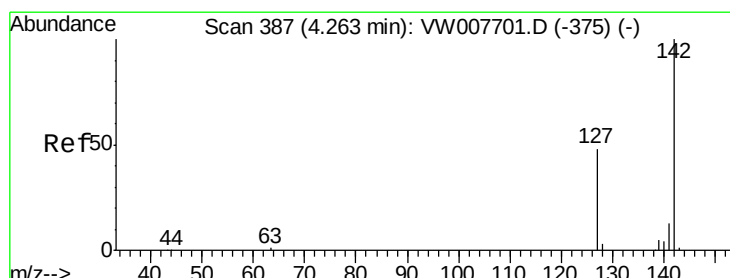
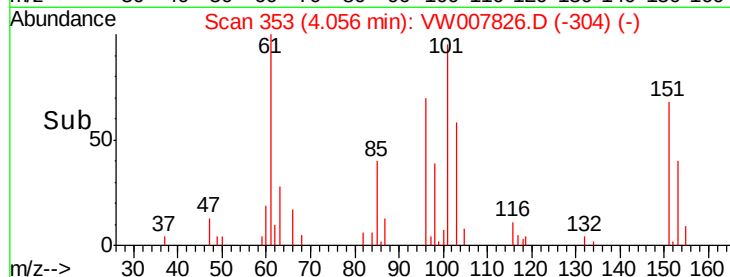
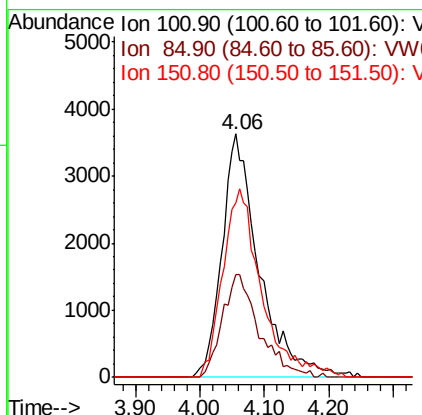
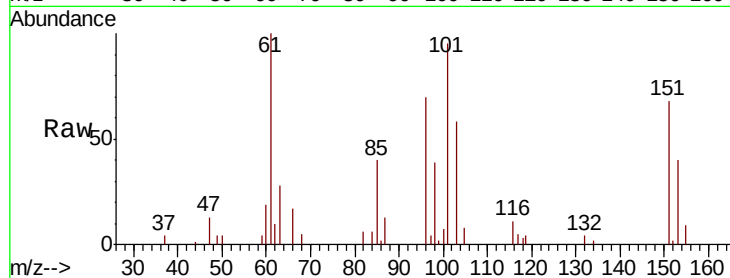
ClientSampleId :

VW1223SBS02

Tot Ion:	101	Resp:	14561
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.3	51.5
151	81.1	64.6	96.8

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#10

Methyl Iodide

Concen: 22.416 ug/l

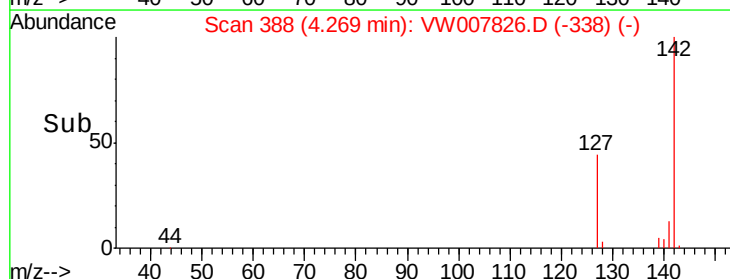
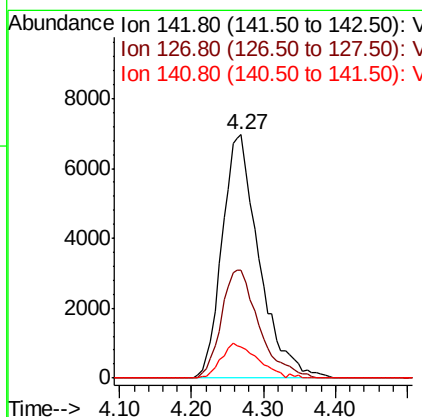
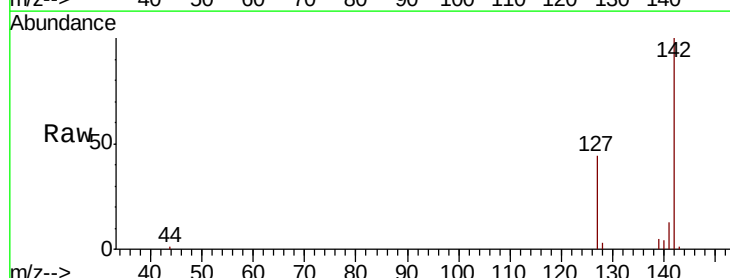
RT: 4.27 min Scan# 388

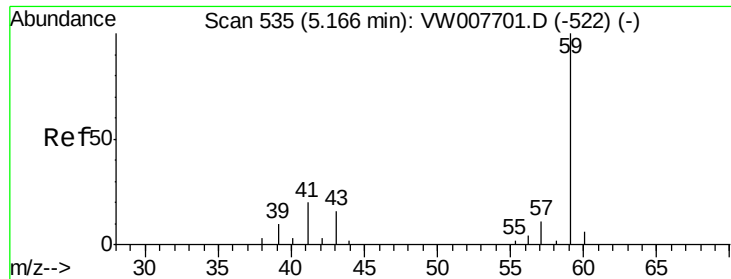
Delta R.T. 0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	142	Resp:	24829
Ion Ratio	Lower	Upper	
142	100		
127	45.1	37.7	56.5
141	13.9	11.5	17.3





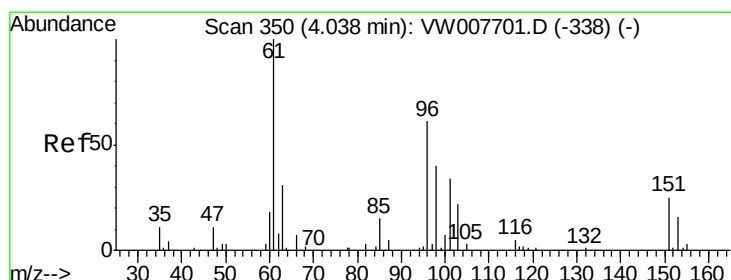
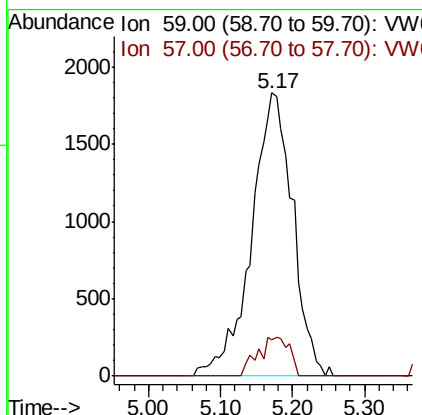
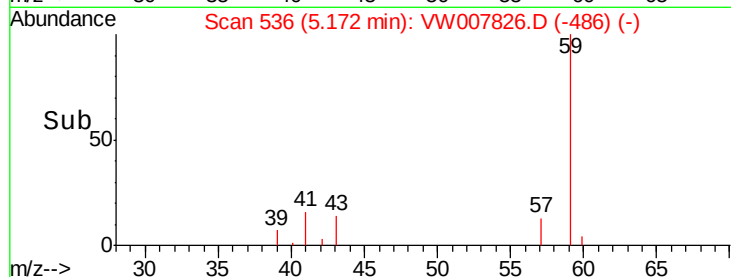
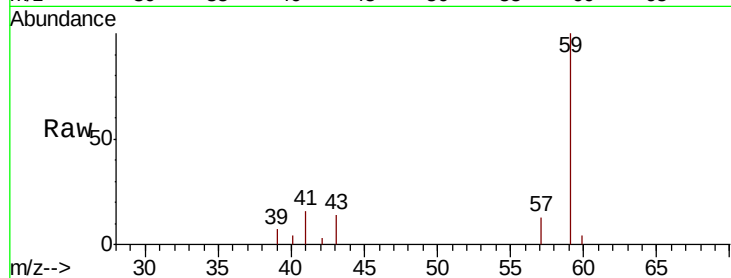
#11
Tert butyl alcohol
Concen: 150.329 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 59 Resp: 7266
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

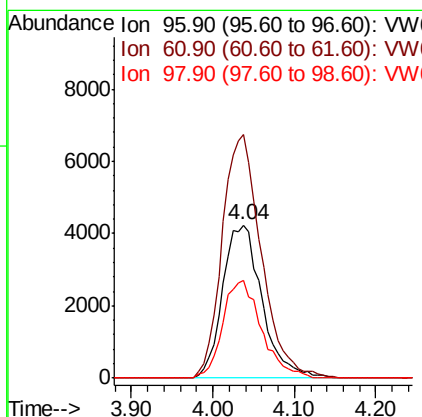
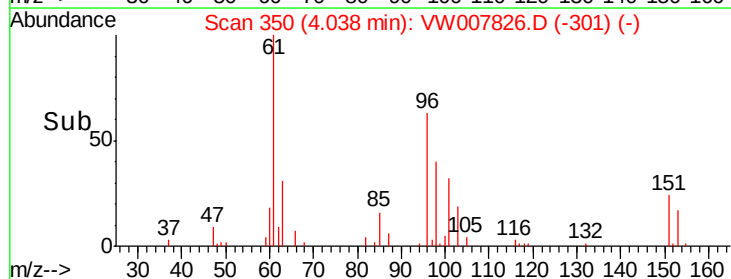
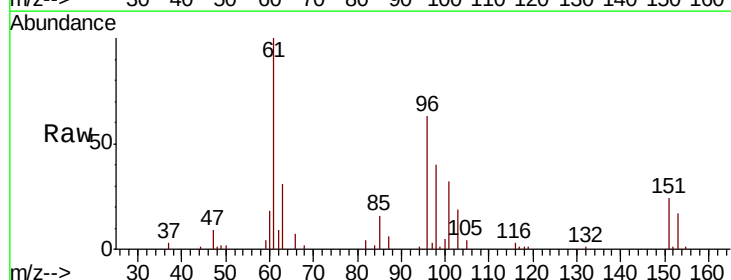
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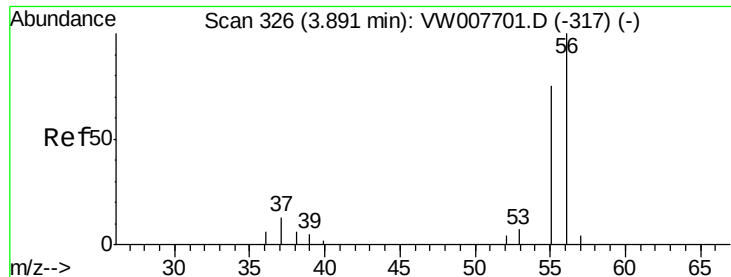
MMDadoda
12/26/2018 11:00:16 AM



#12
1,1-Dichloroethene
Concen: 21.888 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion: 96 Resp: 14117
Ion Ratio Lower Upper
96 100
61 159.0 130.6 195.8
98 63.9 52.3 78.5





#13

Acrolein

Concen: 108.317 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 56 Resp: 4186

Ion Ratio Lower Upper

56 100

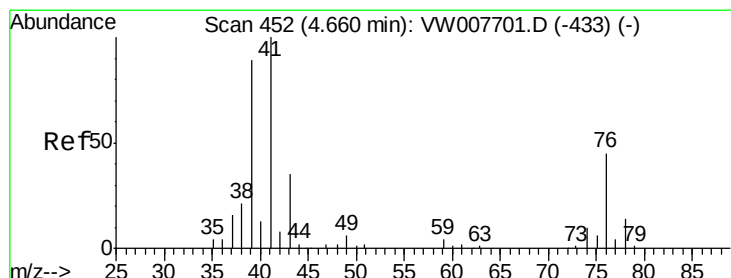
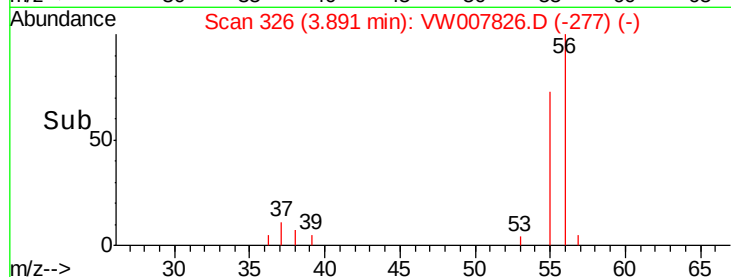
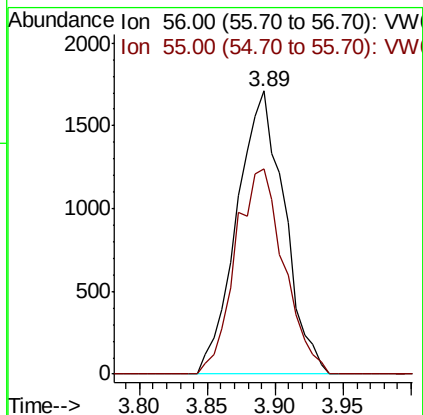
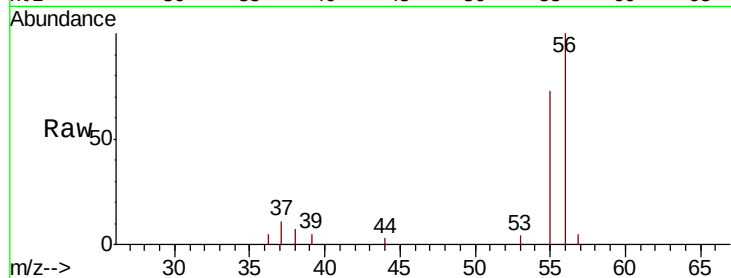
55 74.3 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 24.858 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

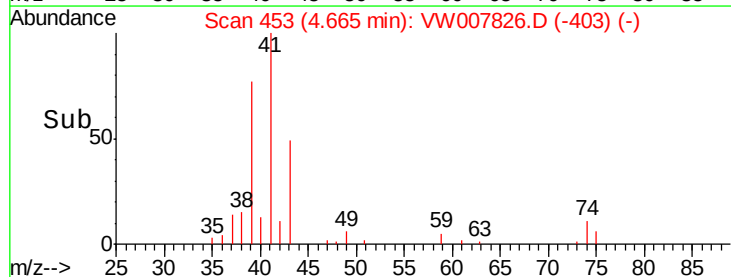
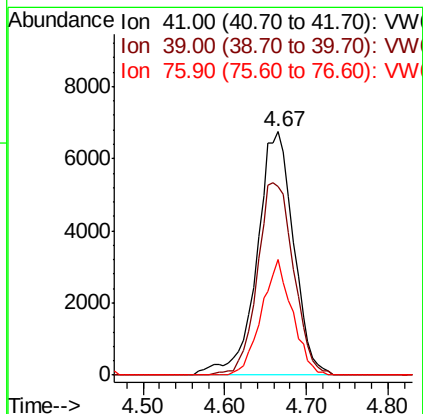
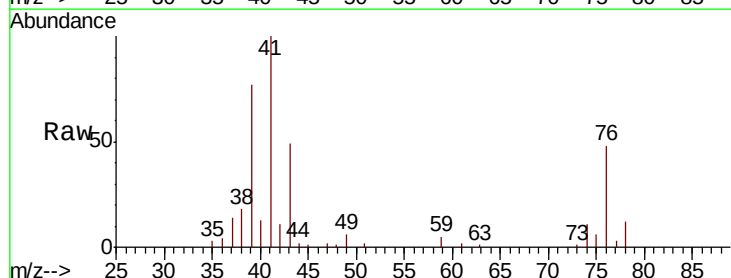
Tgt Ion: 41 Resp: 21025

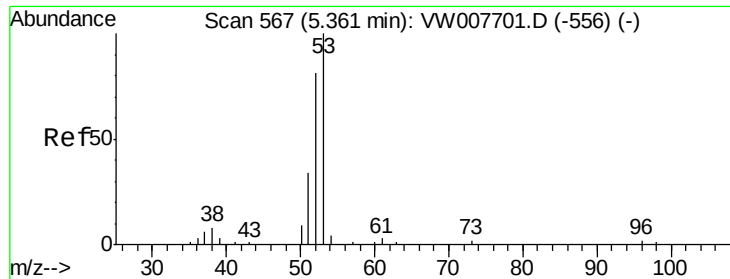
Ion Ratio Lower Upper

41 100

39 78.5 69.5 104.3

76 40.1 34.8 52.2





#15

Acrylonitrile

Concen: 138.403 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

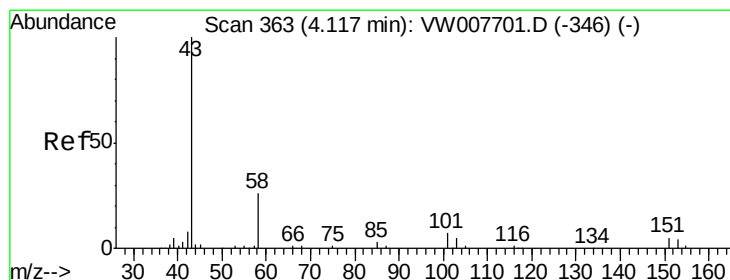
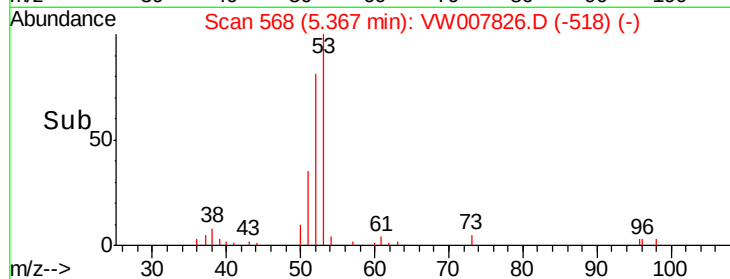
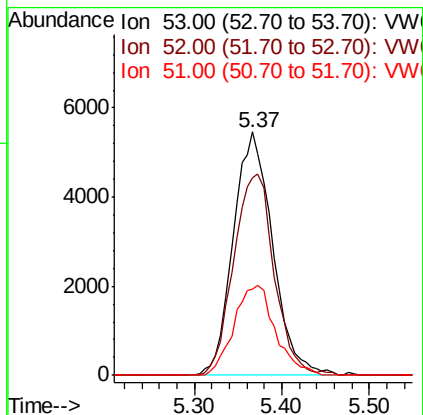
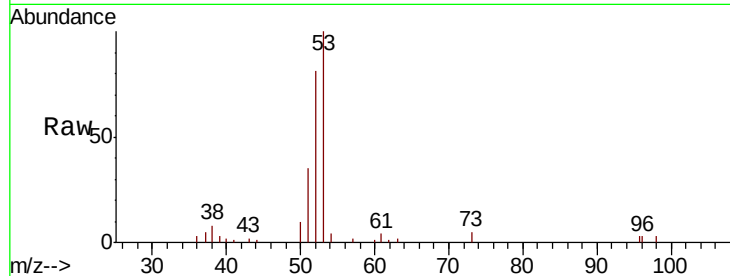
ClientSampleId :

VW1223SBS02

Tot Ion:	53	Resp:	17102
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.0	100.4
51	38.6	30.2	45.2

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#16

Acetone

Concen: 108.129 ug/l

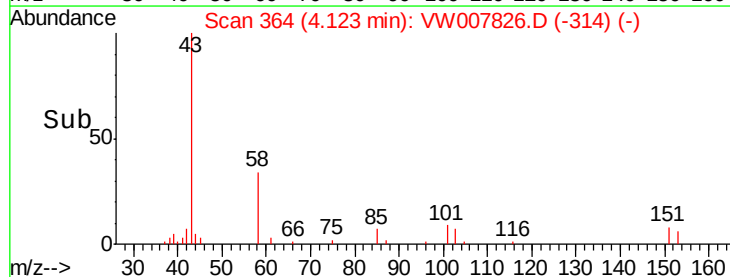
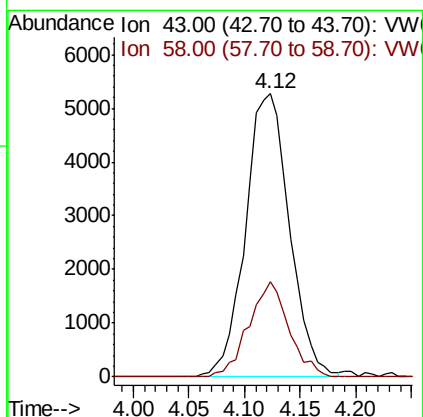
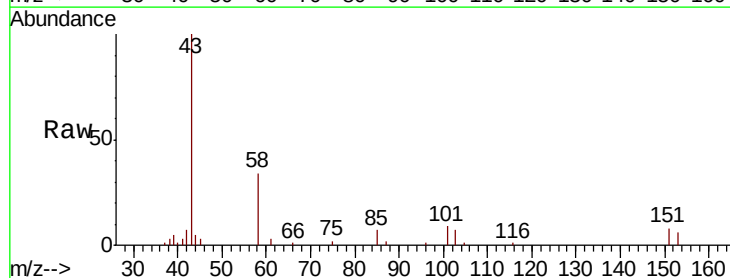
RT: 4.12 min Scan# 364

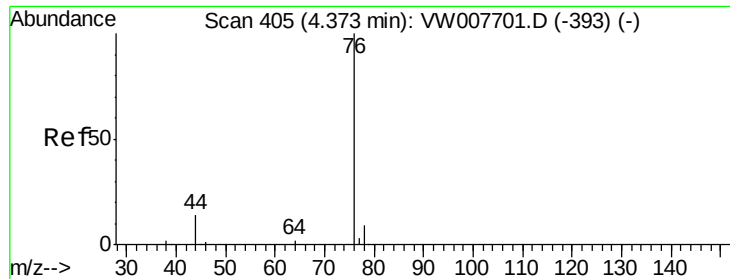
Delta R.T. 0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	43	Resp:	14508
Ion	Ratio	Lower	Upper
43	100		
58	33.7	21.2	31.8#





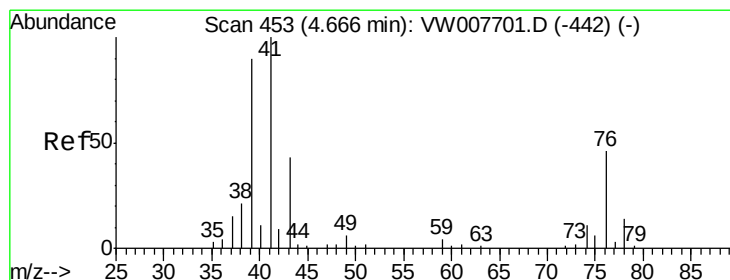
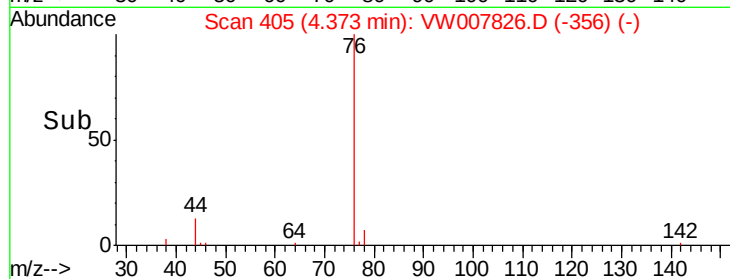
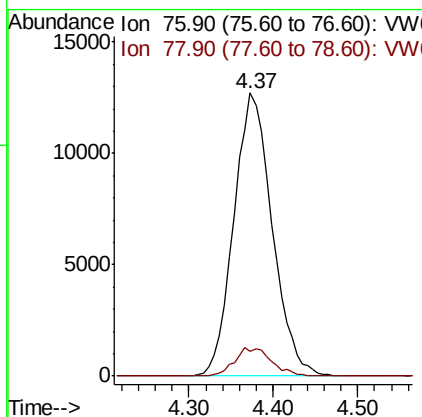
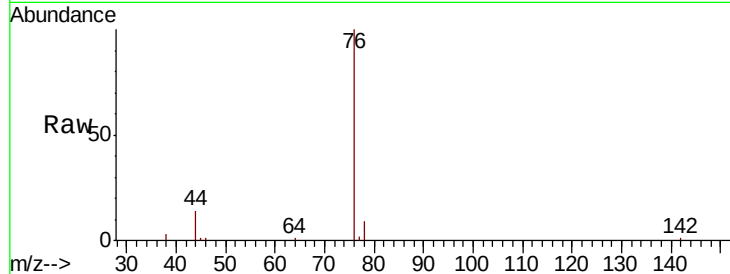
#17
Carbon Disulfide
Concen: 19.663 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

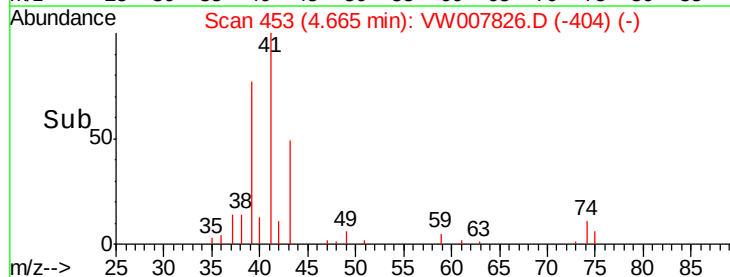
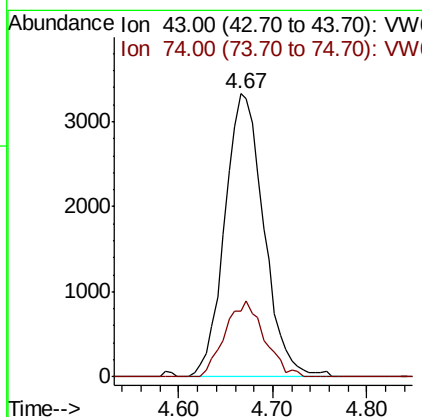
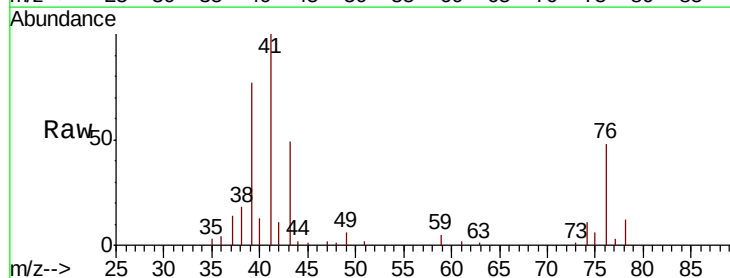
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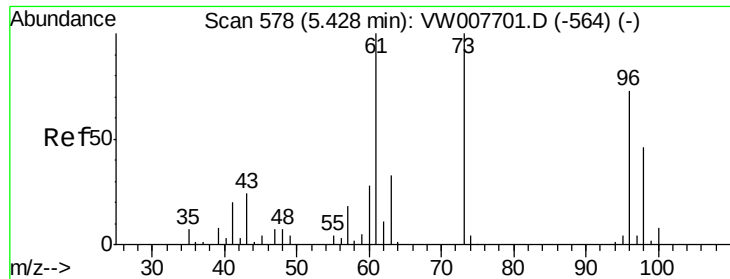
MMDadoda
12/26/2018 11:00:16 AM



#18
Methyl Acetate
Concen: 30.164 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	22.7	34.1





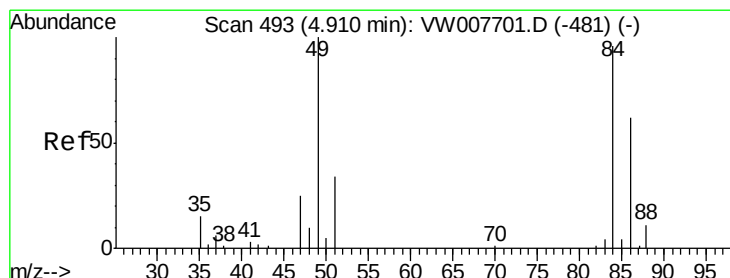
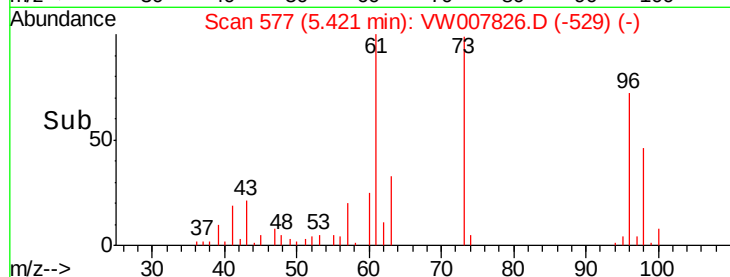
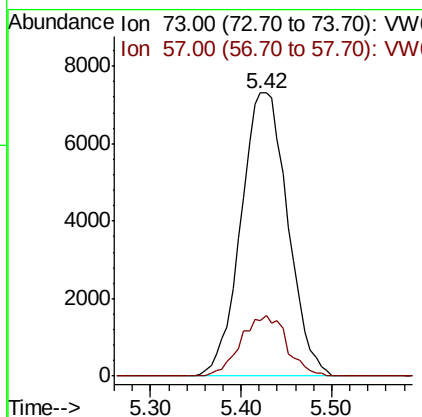
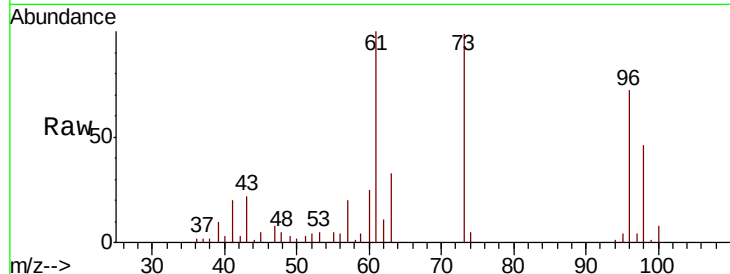
#19
Methyl tert-butyl Ether
Concen: 28.180 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 73 Resp: 26093
Ion Ratio Lower Upper
73 100
57 19.8 14.7 22.1

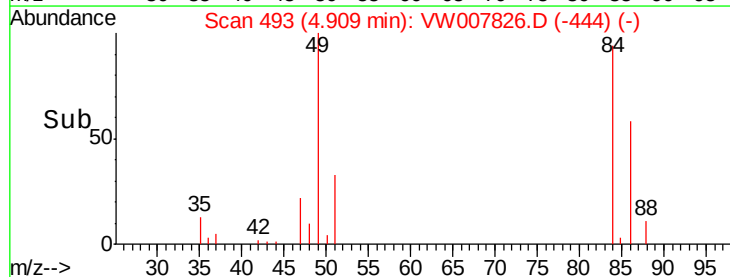
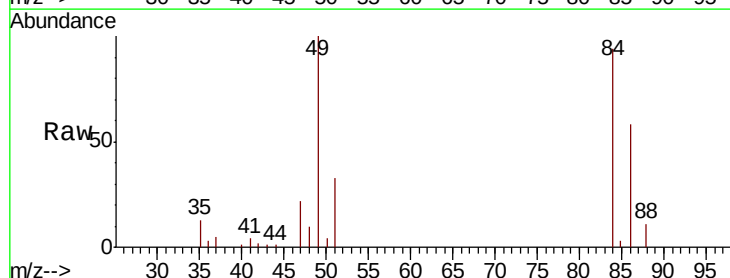
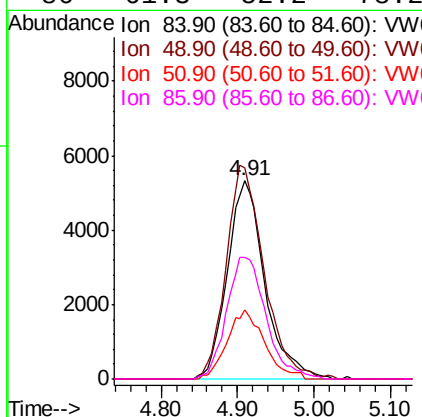
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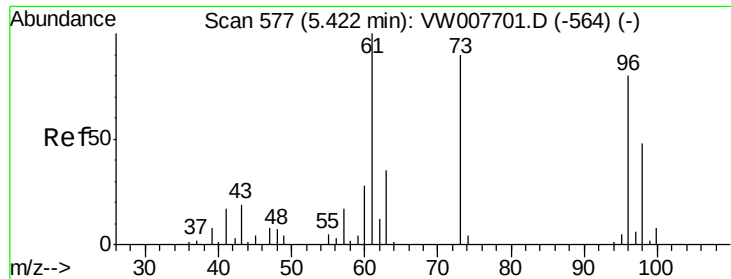
MMDadoda
12/26/2018 11:00:16 AM



#20
Methylene Chloride
Concen: 23.569 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion: 84 Resp: 18051
Ion Ratio Lower Upper
84 100
49 106.5 83.7 125.5
51 34.7 28.2 42.2
86 61.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 22.605 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 96 Resp: 16035

Ion Ratio Lower Upper

96 100

61 139.8 100.1 150.1

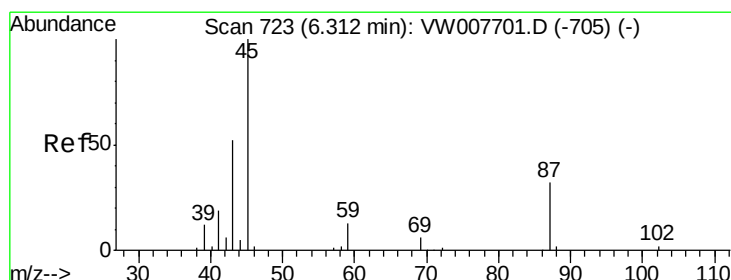
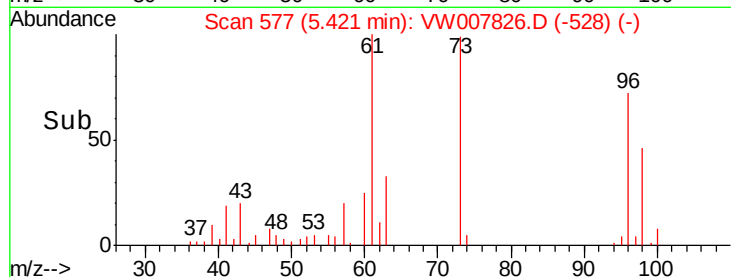
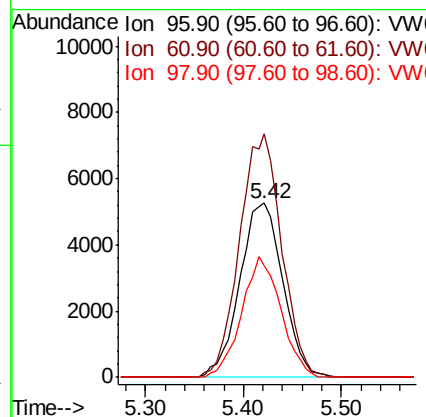
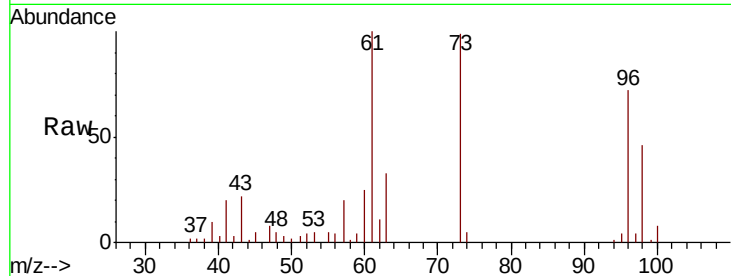
98 64.4 48.5 72.7

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#22

Diisopropyl ether

Concen: 26.874 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion: 45 Resp: 42561

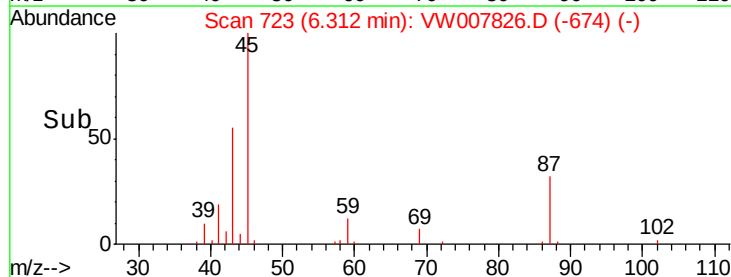
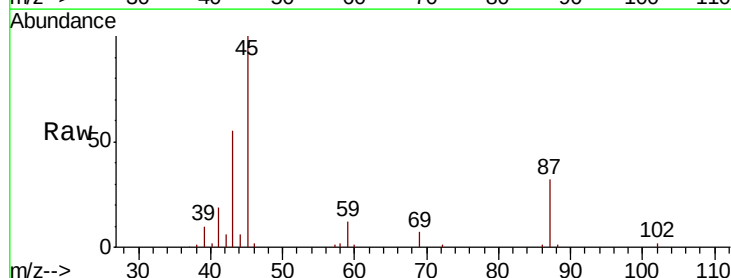
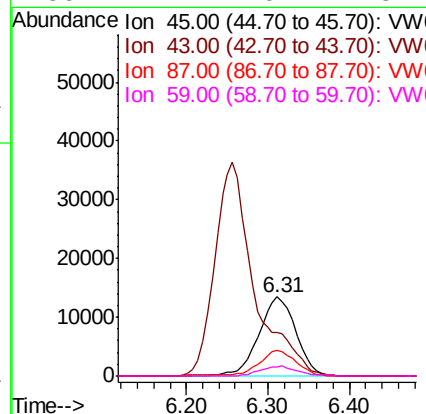
Ion Ratio Lower Upper

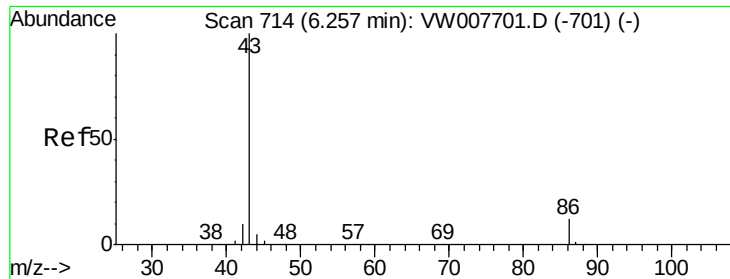
45 100

43 54.3 43.7 65.5

87 31.8 26.6 40.0

59 11.1 10.2 15.2





#23

Vinyl Acetate

Concen: 130.010 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 43 Resp: 122331

Ion Ratio Lower Upper

43 100

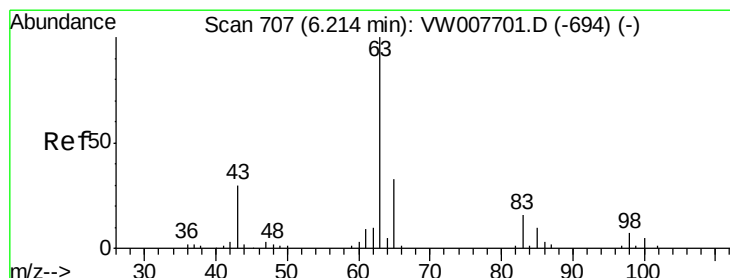
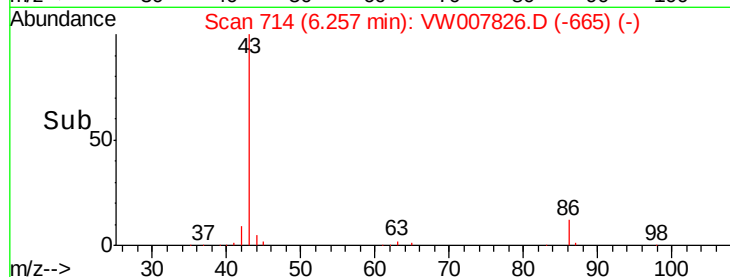
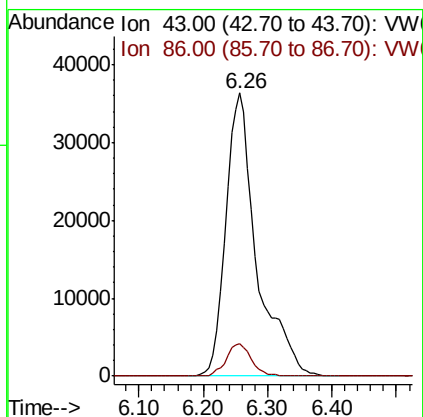
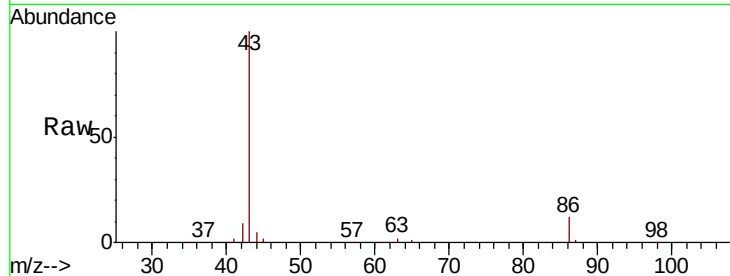
86 11.7 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 24.252 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

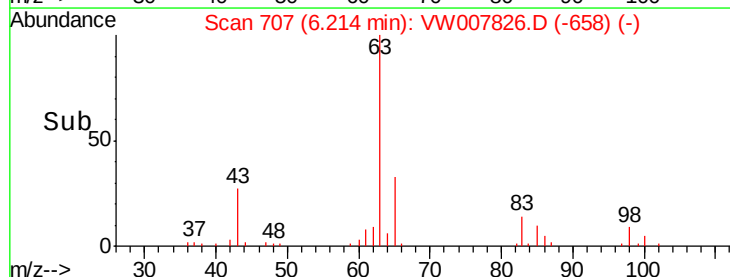
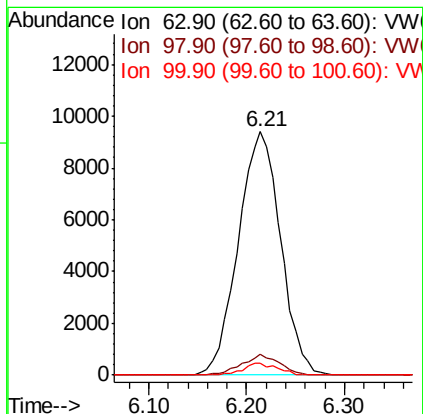
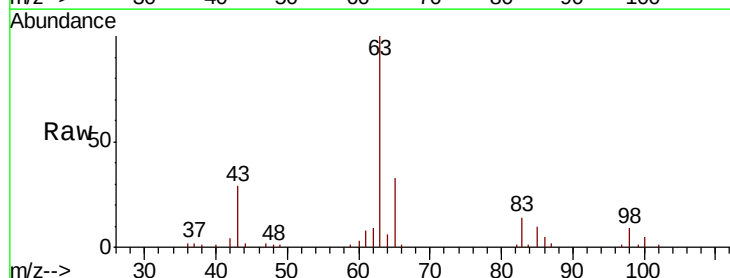
Tgt Ion: 63 Resp: 28256

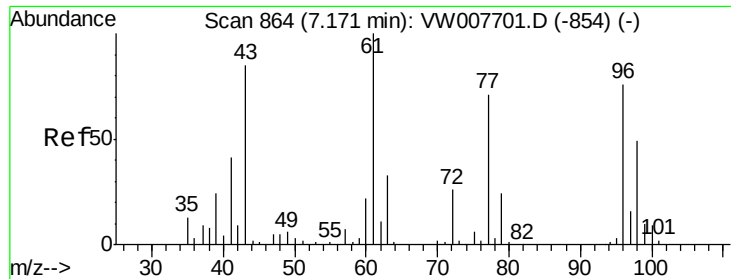
Ion Ratio Lower Upper

63 100

98 8.6 3.6 10.9

100 4.7 2.5 7.5





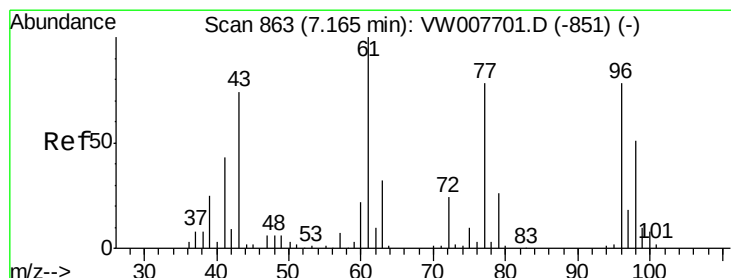
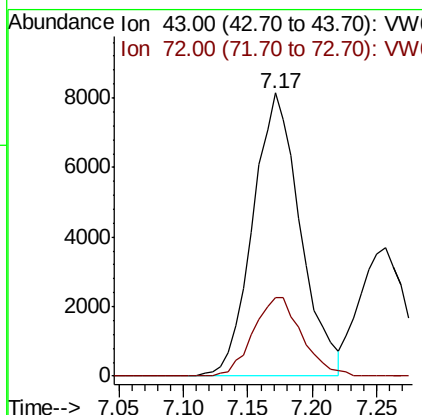
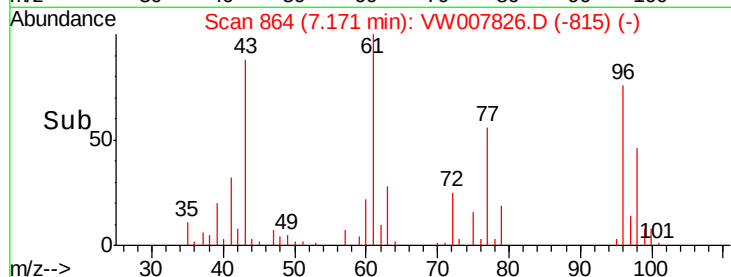
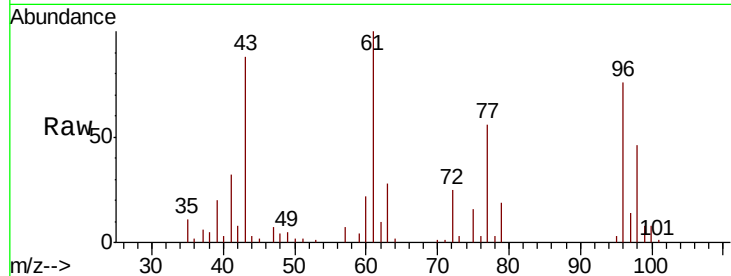
#25
2-Butanone
Concen: 132.779 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 43 Resp: 20867
Ion Ratio Lower Upper
43 100
72 27.9 24.5 36.7

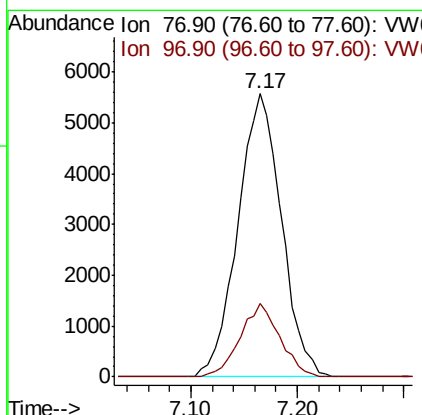
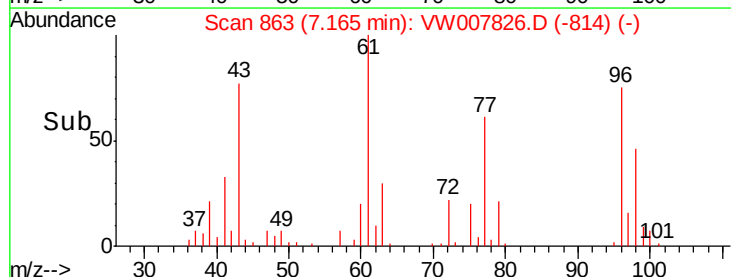
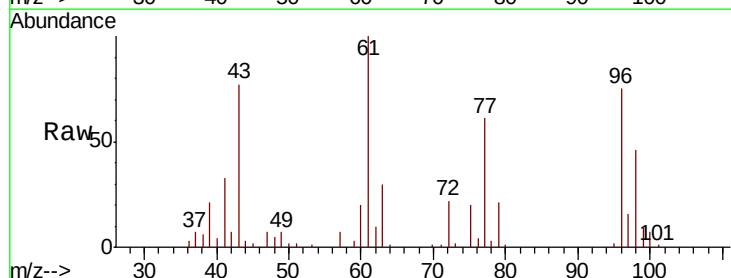
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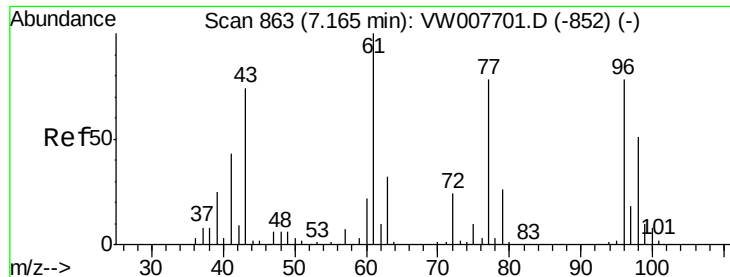
MMDadoda
12/26/2018 11:00:16 AM



#26
2,2-Dichloropropane
Concen: 18.747 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion: 77 Resp: 15983
Ion Ratio Lower Upper
77 100
97 23.6 11.3 33.9





#27

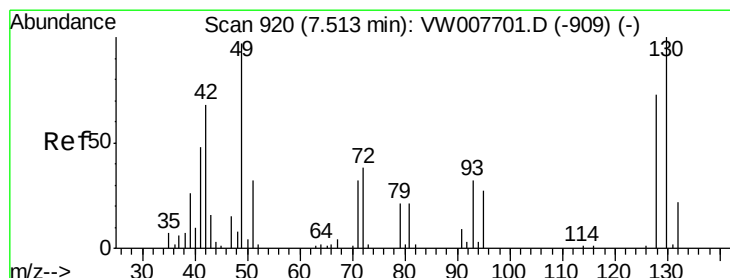
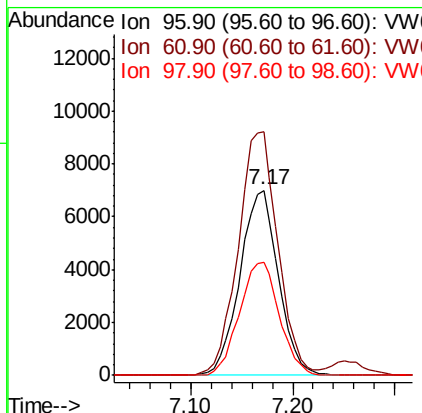
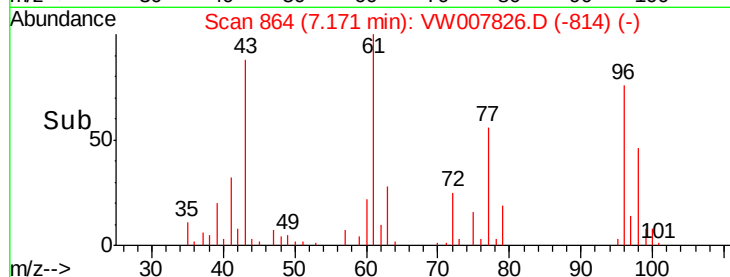
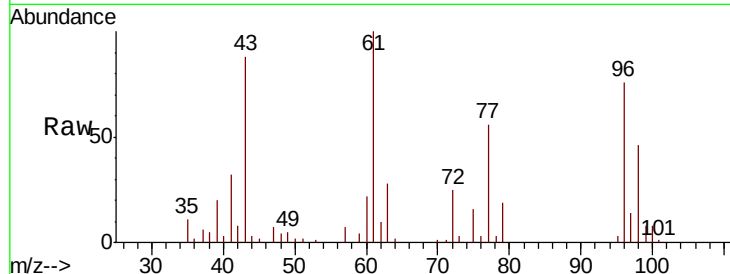
cis-1,2-Dichloroethene
Concen: 24.215 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	271.6
98	63.2	0.0	131.2

Manual Integrations
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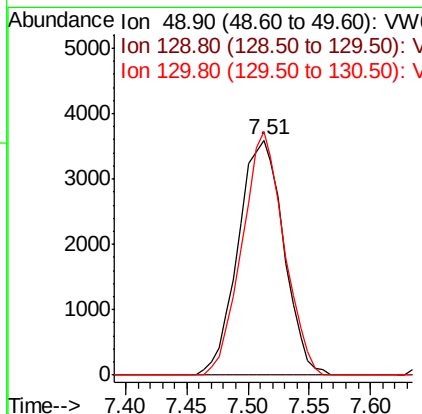
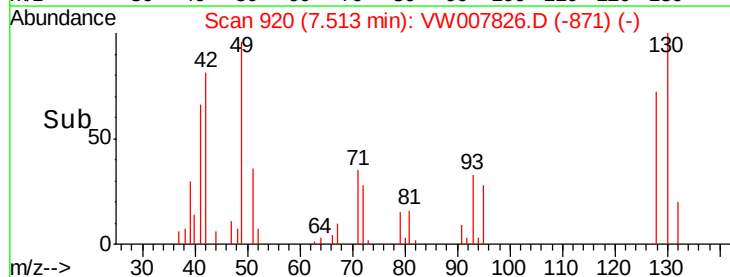
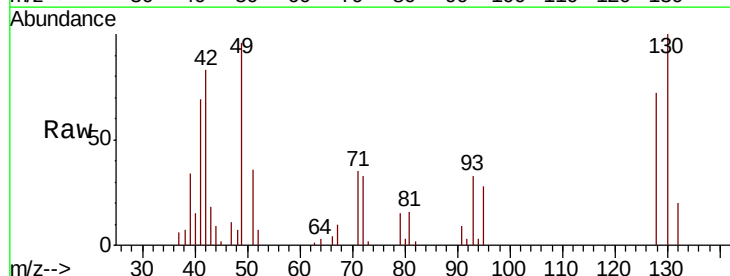
MMDadoda
12/26/2018 11:00:16 AM

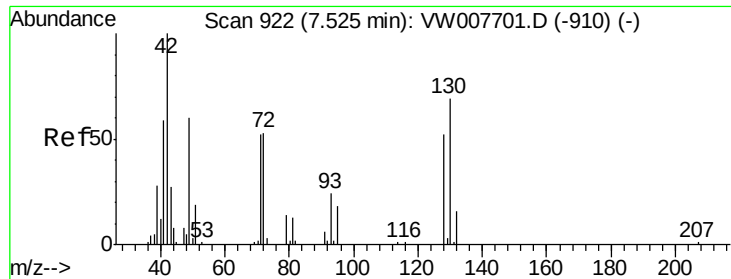


#28

Bromochloromethane
Concen: 23.402 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	95.4	81.5	122.3





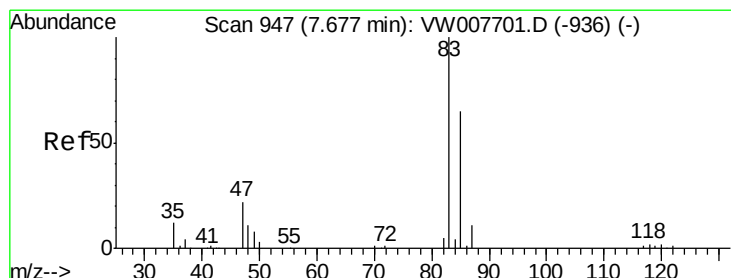
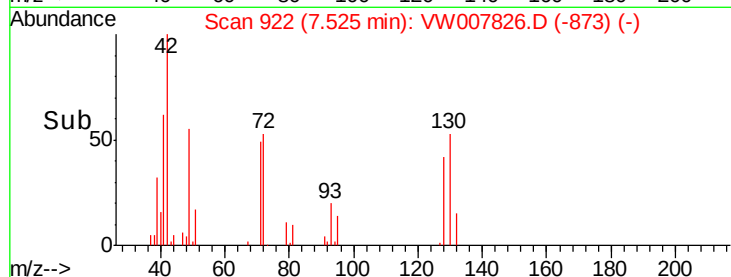
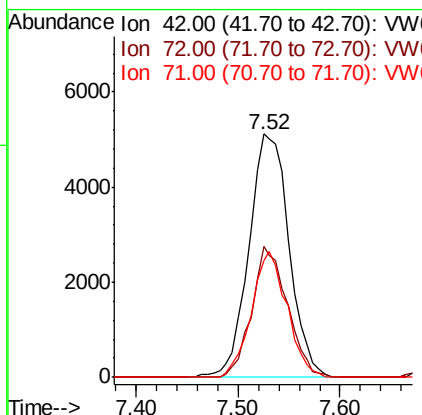
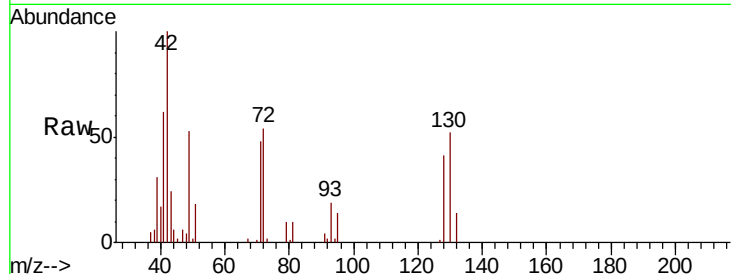
#29
Tetrahydrofuran
Concen: 148.964 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.9	41.7	62.5
71	45.9	39.0	58.6

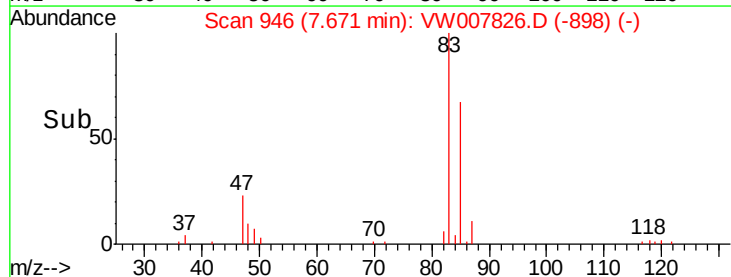
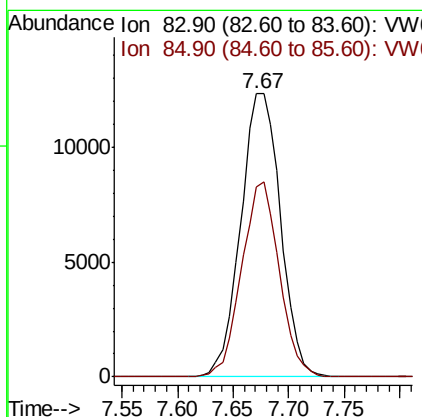
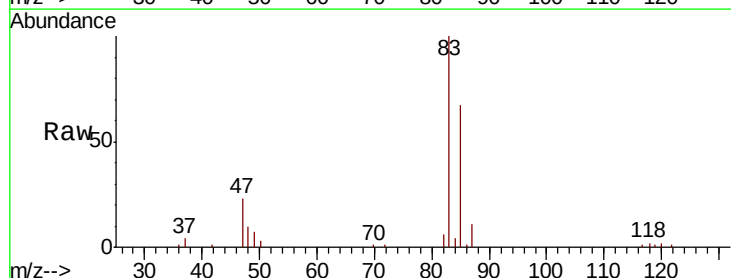
Manual Integrations
APPROVED

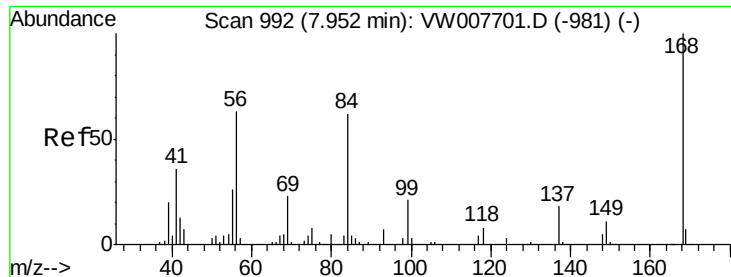
MMDadoda
12/26/2018 11:00:16 AM



#30
Chloroform
Concen: 23.264 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	52.2	78.2





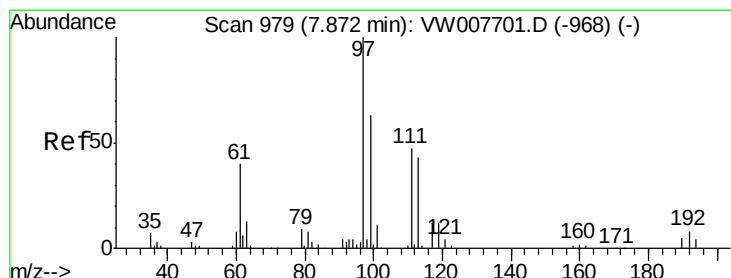
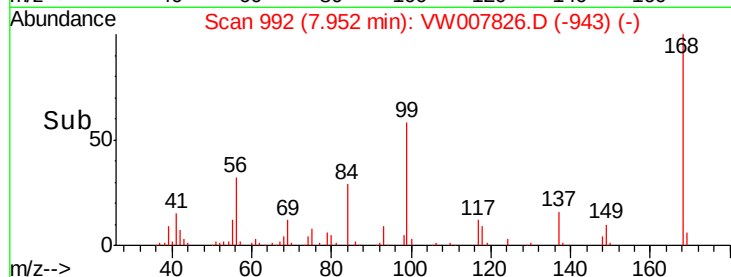
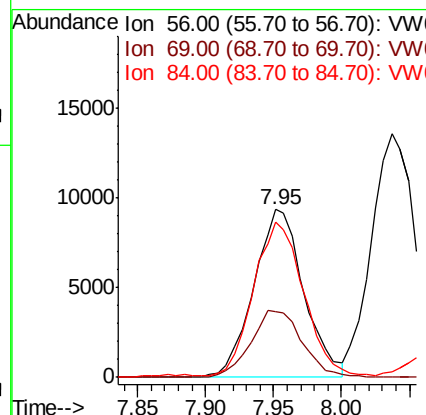
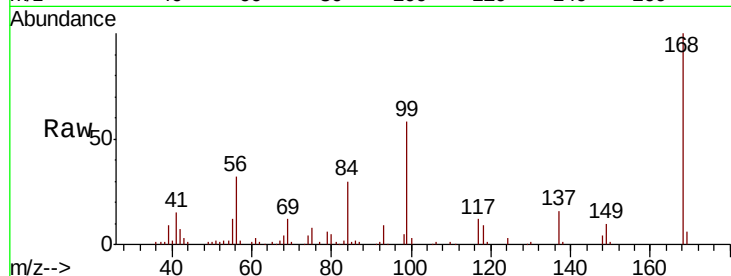
#31
Cyclohexane
Concen: 22.559 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	29.7	44.5
84	91.9	78.9	118.3

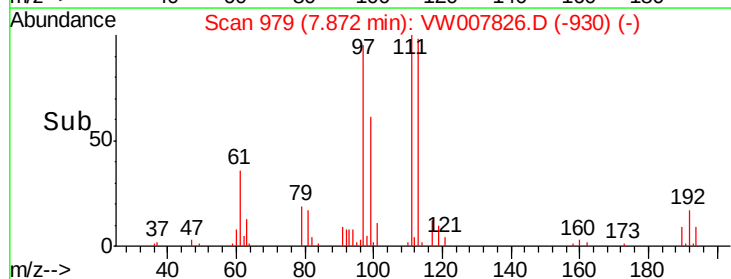
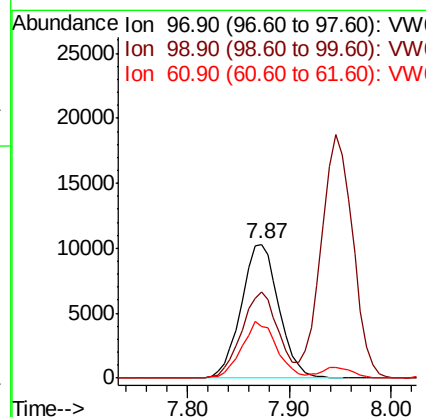
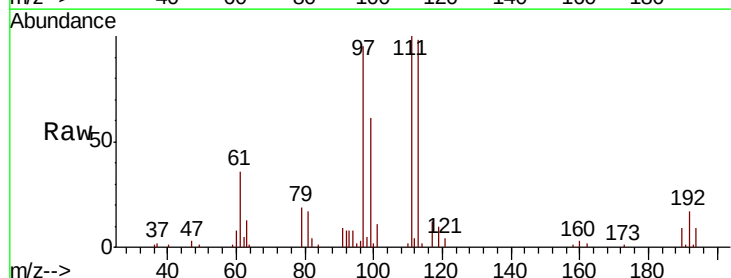
Manual Integrations
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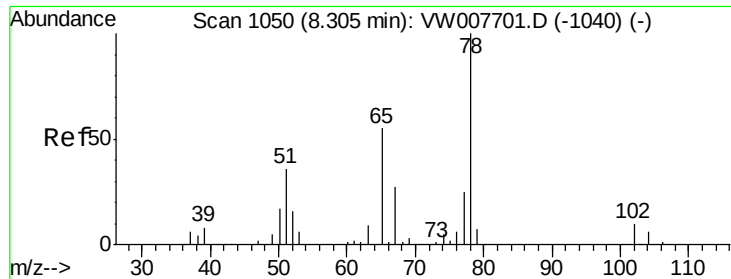
MMDadoda
12/26/2018 11:00:16 AM



#32
1,1,1-Trichloroethane
Concen: 21.935 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	50.6	76.0
61	39.5	32.3	48.5





#33

1,2-Dichloroethane-d4

Concen: 52.330 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion: 65 Resp: 37495

Ion Ratio Lower Upper

65 100

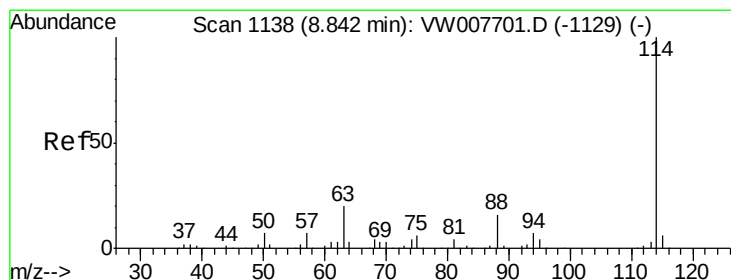
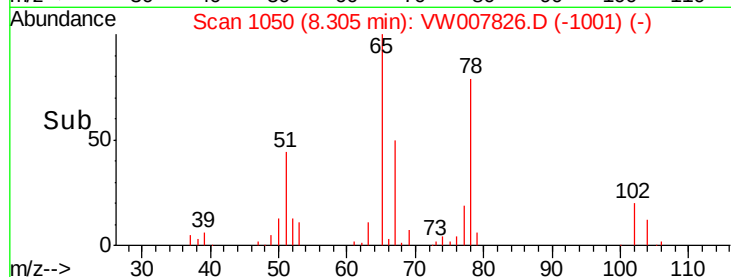
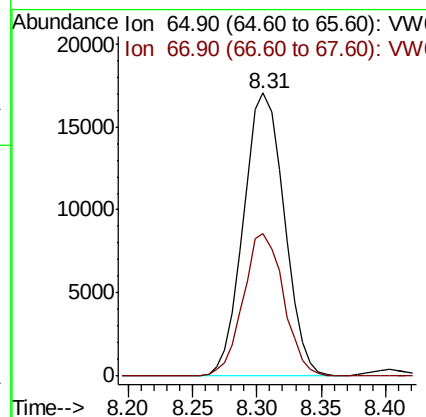
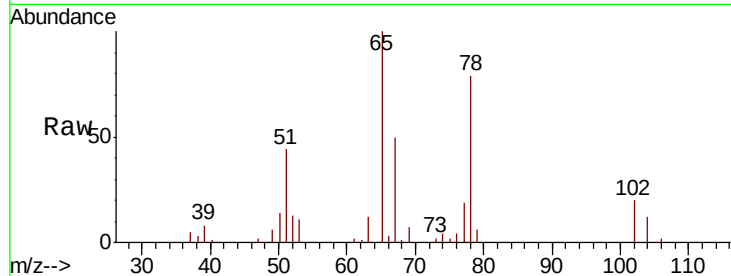
67 49.7 0.0 100.6

Manual Integrations

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12/26/2018 11:00:16 AM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

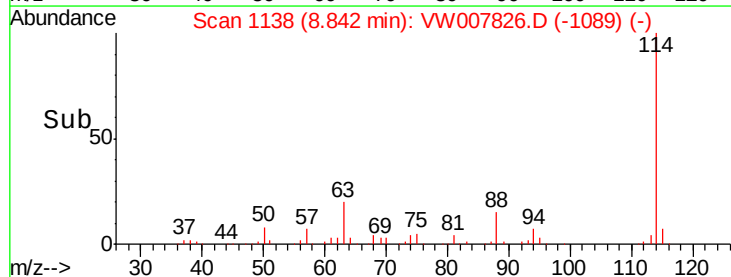
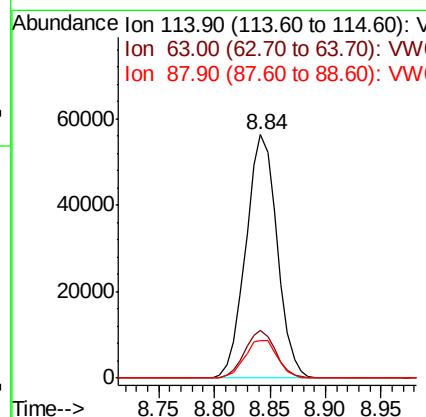
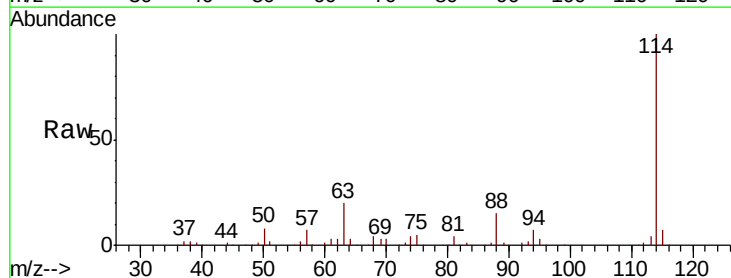
Tgt Ion: 114 Resp: 109947

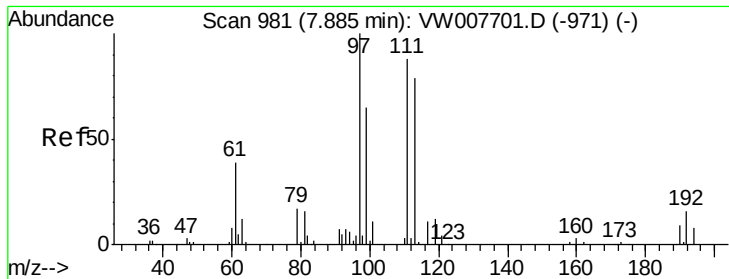
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.346 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

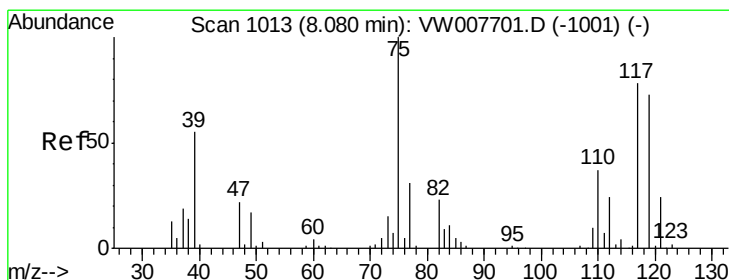
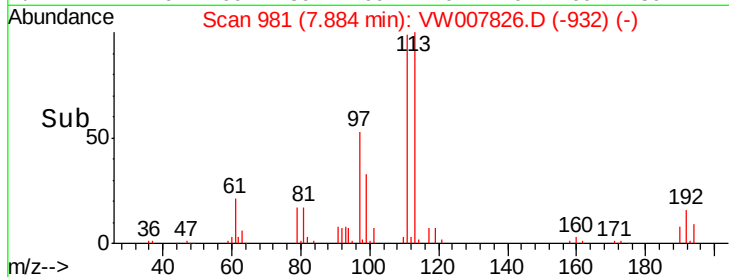
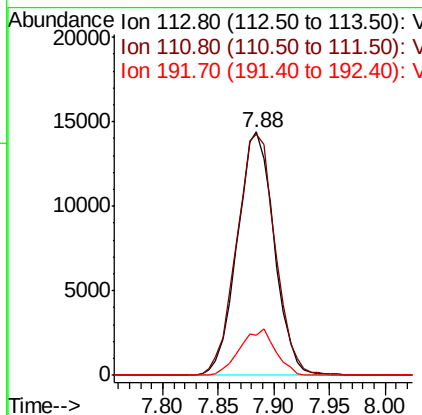
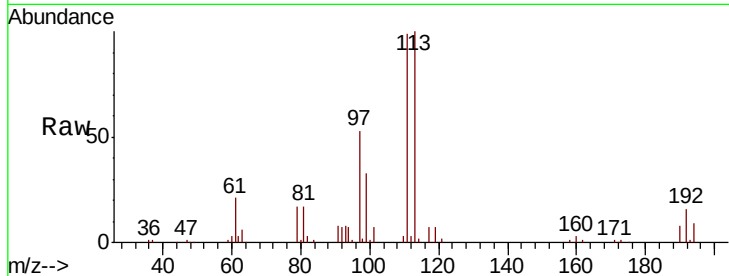
ClientSampleId :

VW1223SBS02

Tot Ion:	113	Resp:	33098
Ion Ratio	Lower	Upper	
113	100		
111	103.6	82.6	124.0
192	18.2	15.5	23.3

Manual Integrations
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12/26/2018 11:00:16 AM



#36

1,1-Dichloropropene

Concen: 21.669 ug/l

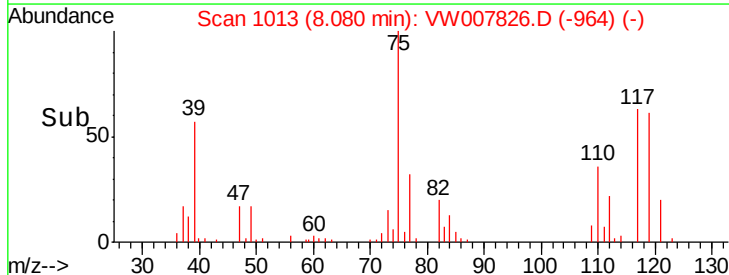
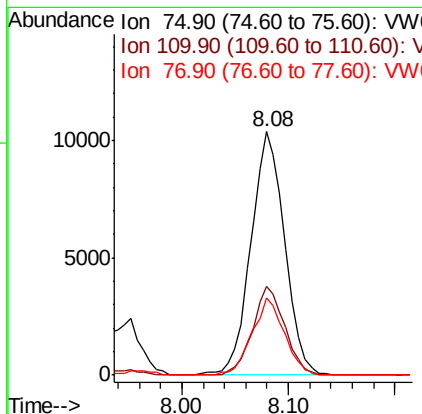
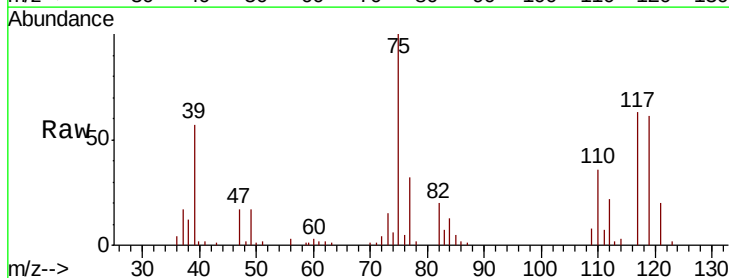
RT: 8.08 min Scan# 1013

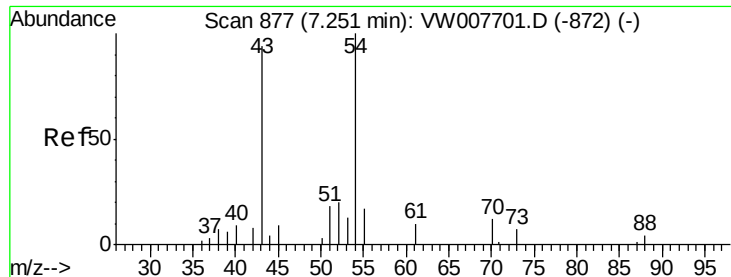
Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	75	Resp:	22995
Ion Ratio	Lower	Upper	
75	100		
110	34.5	18.6	55.8
77	30.4	25.0	37.4





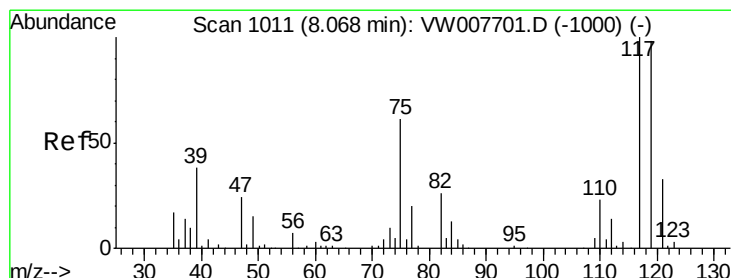
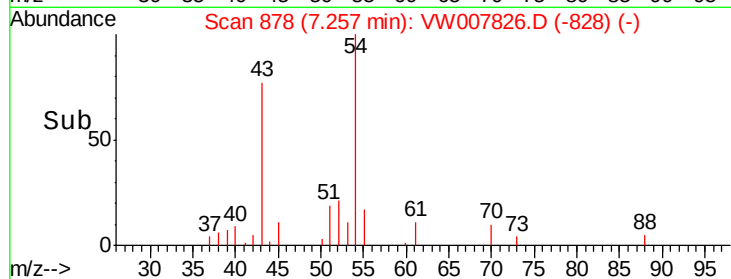
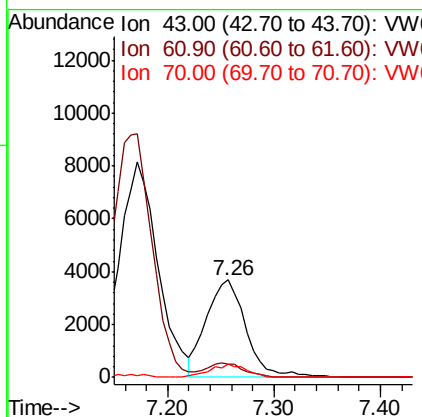
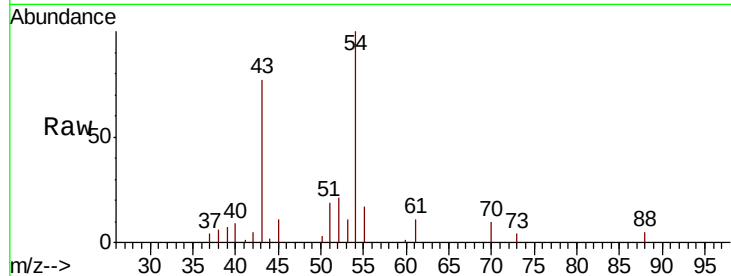
#37
Ethyl Acetate
Concen: 26.000 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	11.9	9.3	13.9

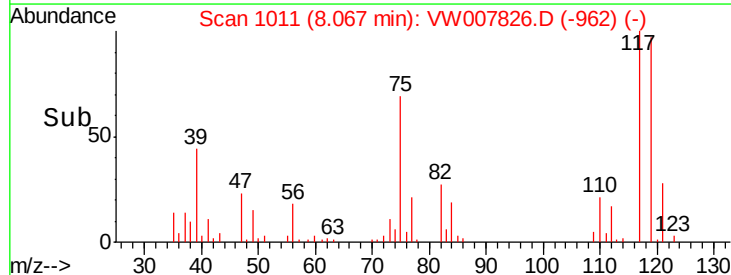
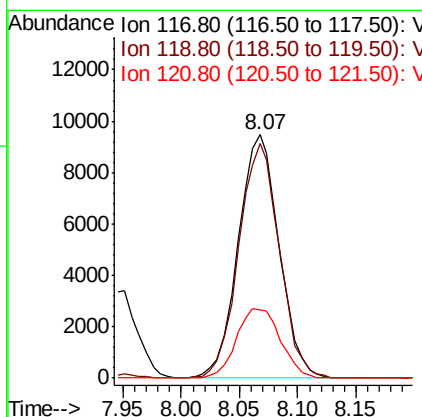
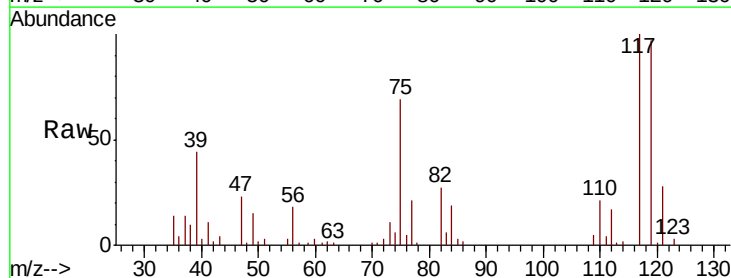
Manual Integrations
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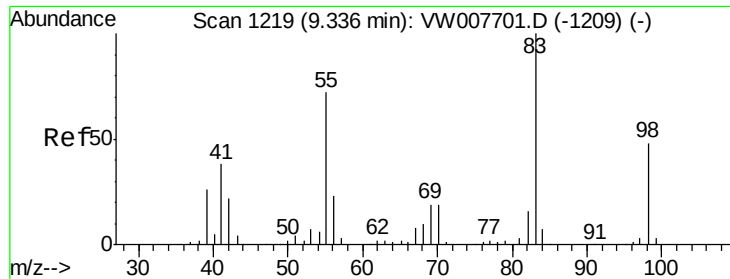
MMDadoda
12/26/2018 11:00:16 AM



#38
Carbon Tetrachloride
Concen: 18.523 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.2	117.2
121	28.1	26.1	39.1





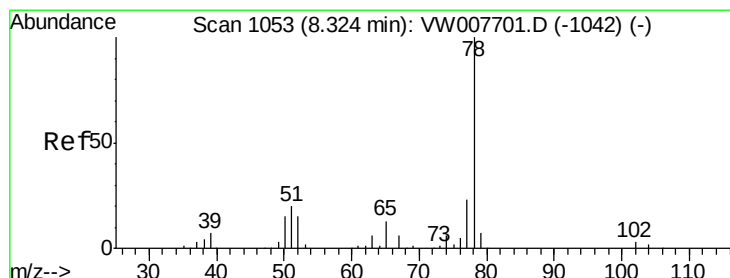
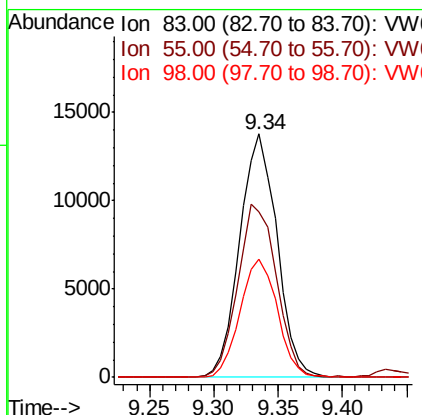
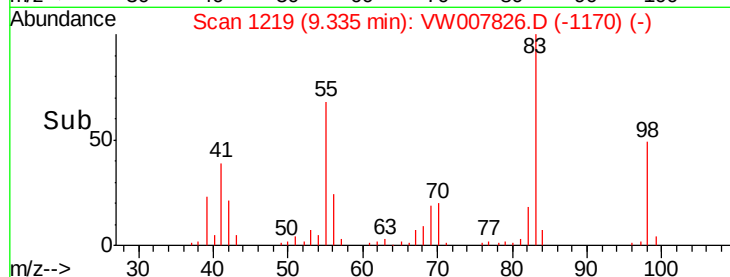
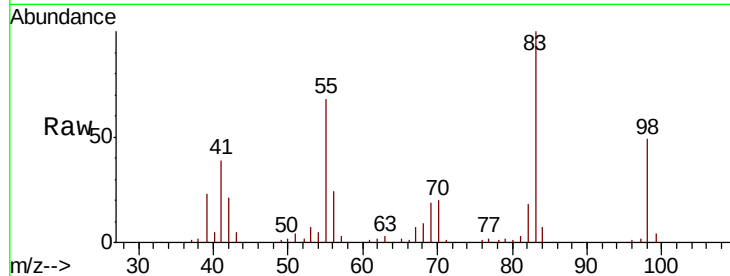
#39
Methylvlcyclohexane
Concen: 20.954 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	57.2	85.8
98	48.6	38.6	58.0

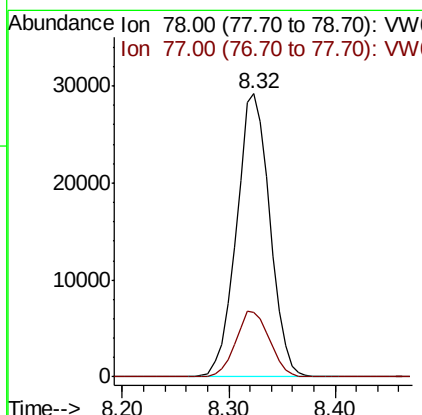
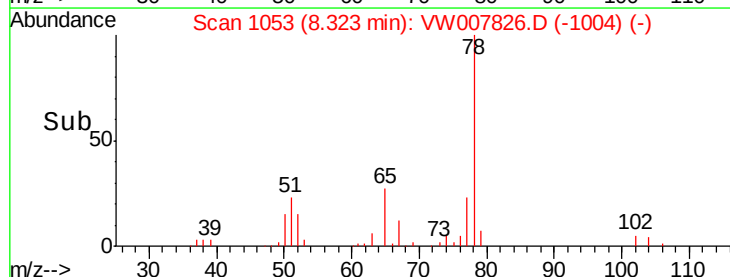
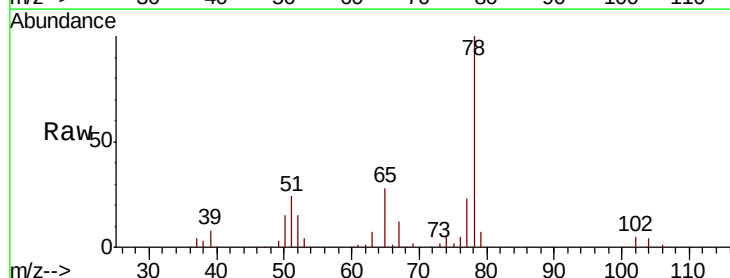
Manual Integrations
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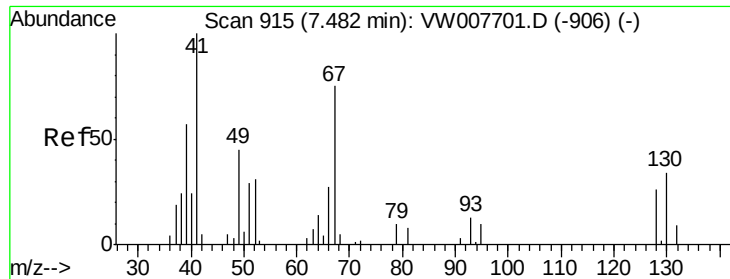
MMDadoda
12/26/2018 11:00:16 AM



#40
Benzene
Concen: 22.706 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.7	28.1





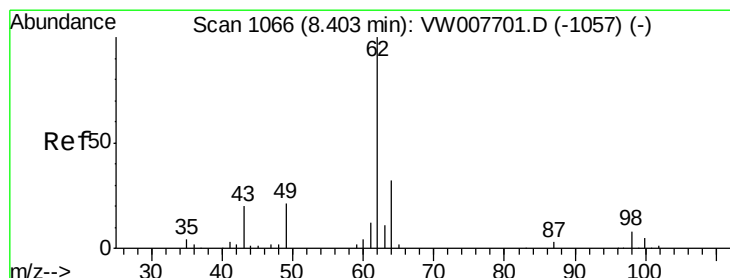
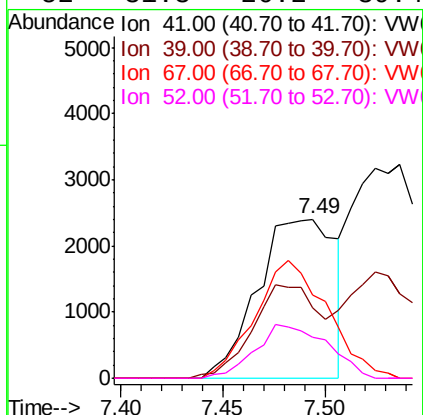
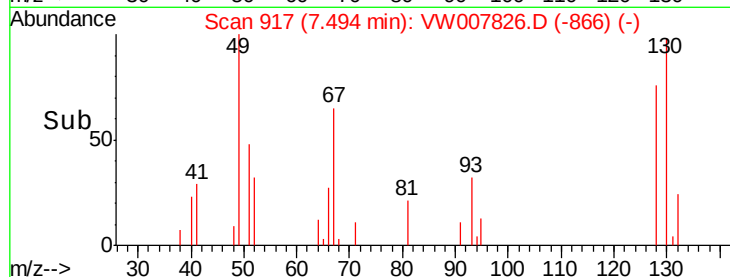
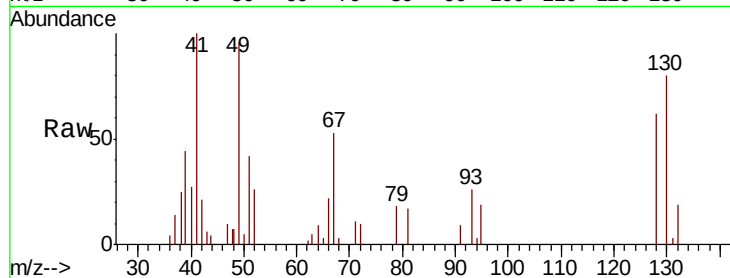
#41
Methacrylonitrile
Concen: 30.640 ug/l
RT: 7.49 min Scan# 917
Delta R.T. 0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.9	54.2	81.4#
67	68.9	65.7	98.5
52	31.3	26.2	39.4

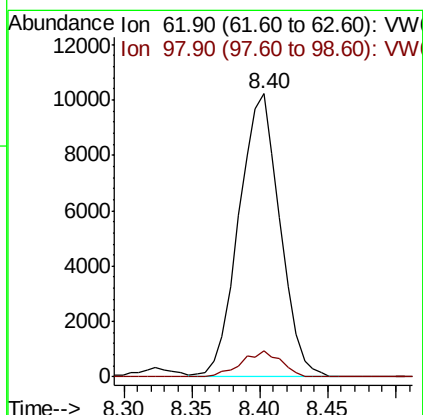
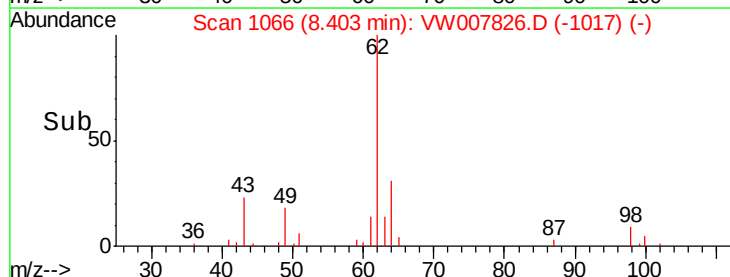
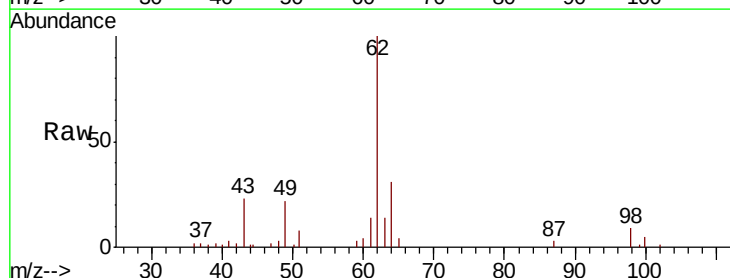
Manual Integrations
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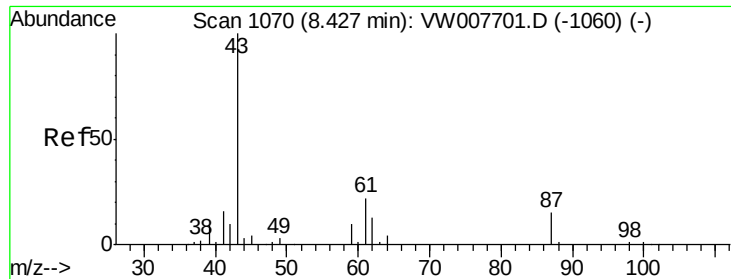
MMDadoda
12/26/2018 11:00:16 AM



#42
1,2-Dichloroethane
Concen: 22.666 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	16.6





#43

Isopropyl Acetate

Concen: 26.455 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

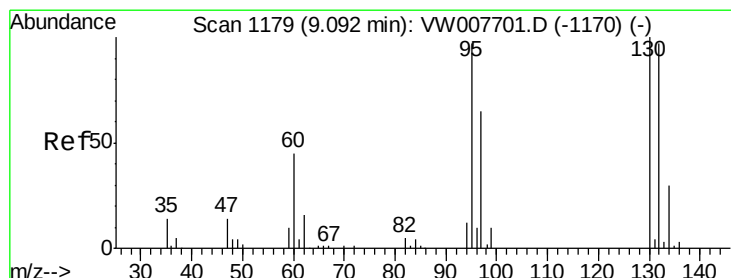
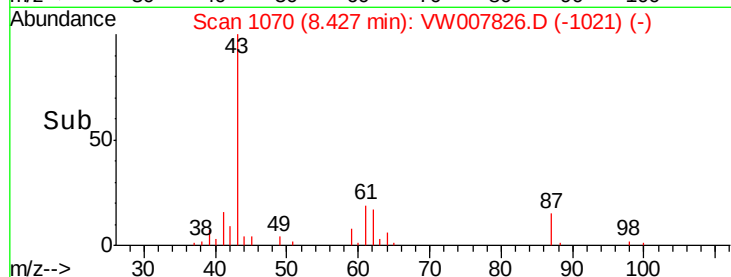
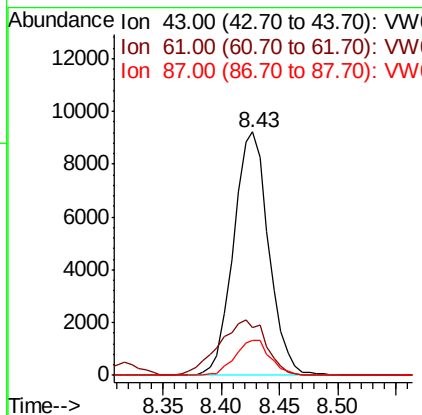
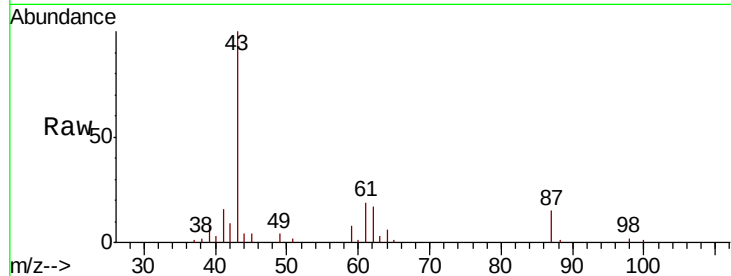
ClientSampleId :

VW1223SBS02

Tot Ion:	43	Resp:	19411
Ion	Ratio	Lower	Upper
43	100		
61	30.2	26.3	39.5
87	14.4	12.0	18.0

Manual Integrations
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12/26/2018 11:00:16 AM



#44

Trichloroethene

Concen: 21.626 ug/l

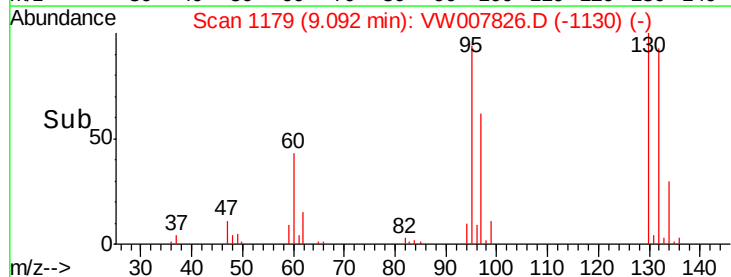
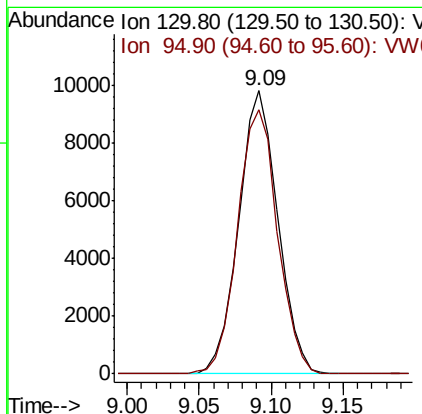
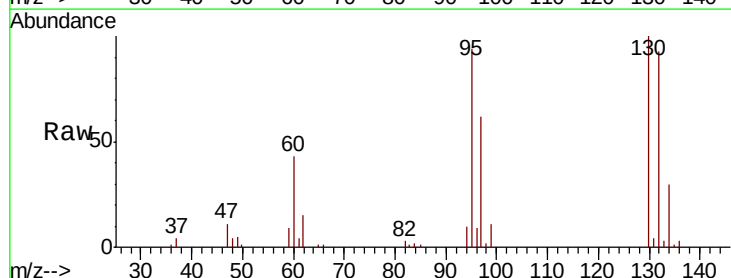
RT: 9.09 min Scan# 1179

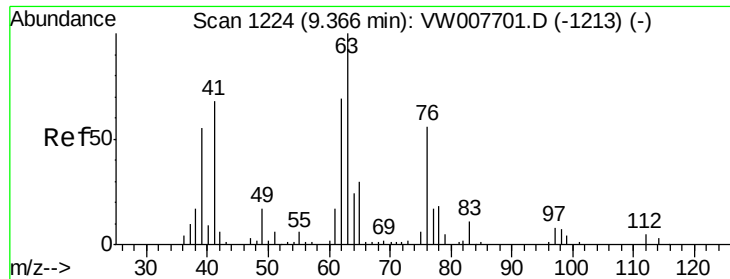
Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	130	Resp:	18520
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	194.8





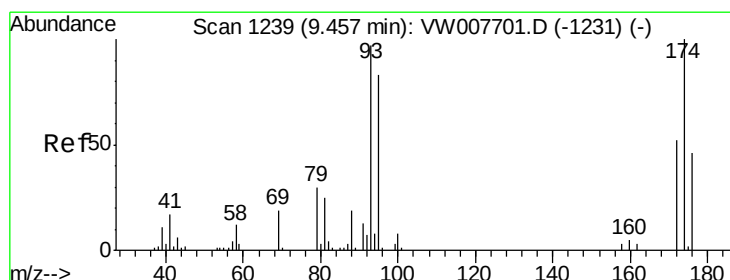
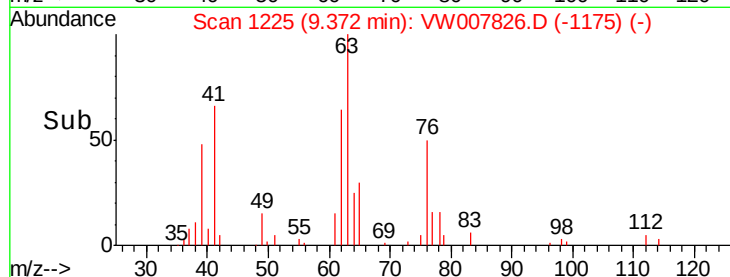
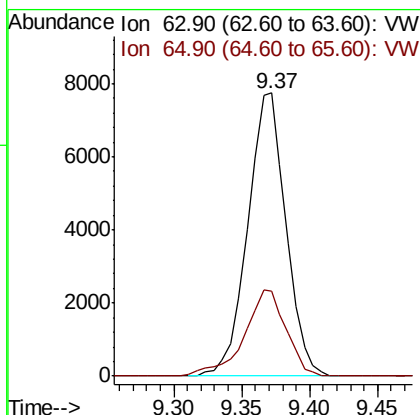
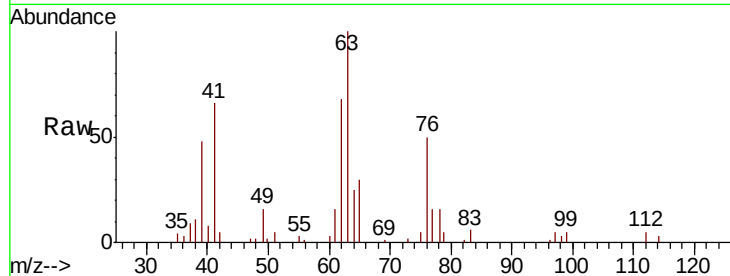
#45
 1,2-Dichloropropane
 Concen: 24.245 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion: 63 Resp: 15234
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.8 35.8

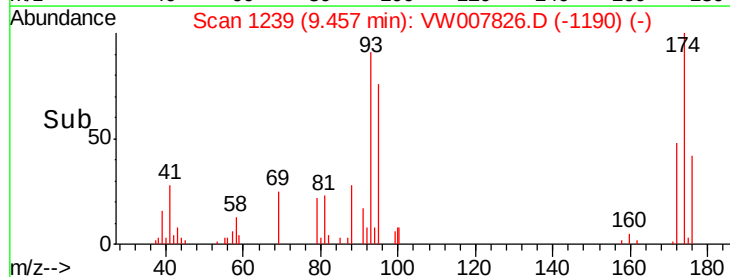
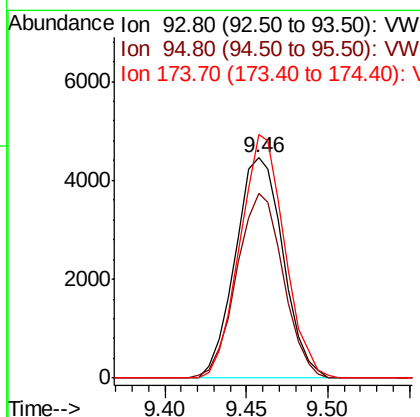
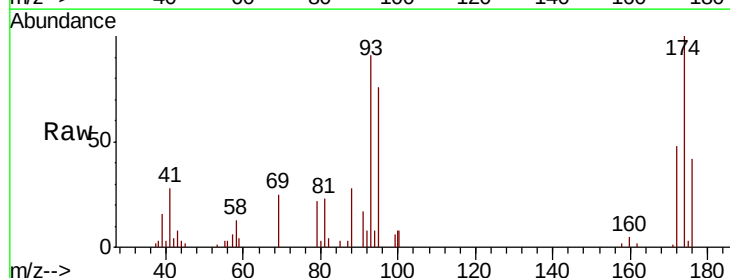
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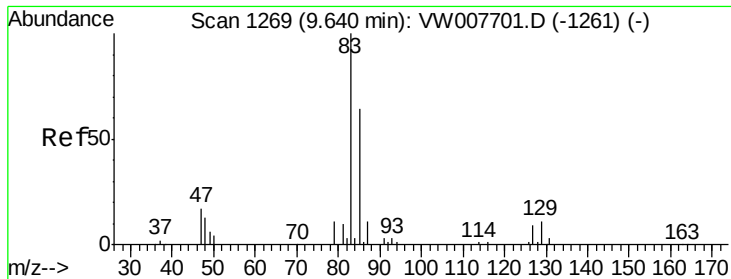
MMDadoda
 12/26/2018 11:00:16 AM



#46
 Dibromomethane
 Concen: 23.421 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion: 93 Resp: 9059
 Ion Ratio Lower Upper
 93 100
 95 81.6 67.5 101.3
 174 103.4 83.9 125.9





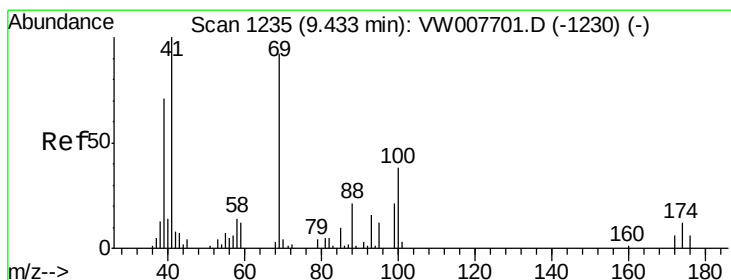
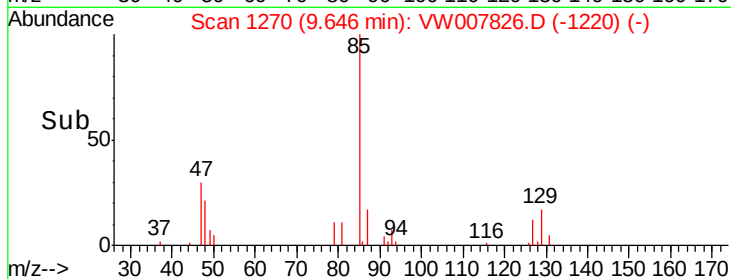
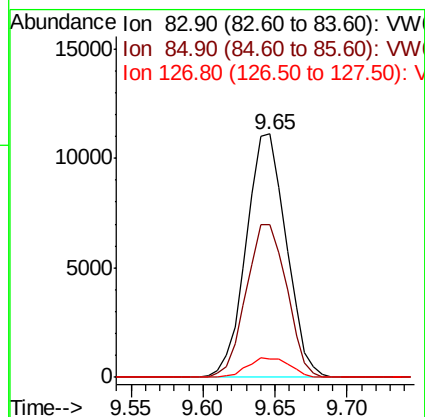
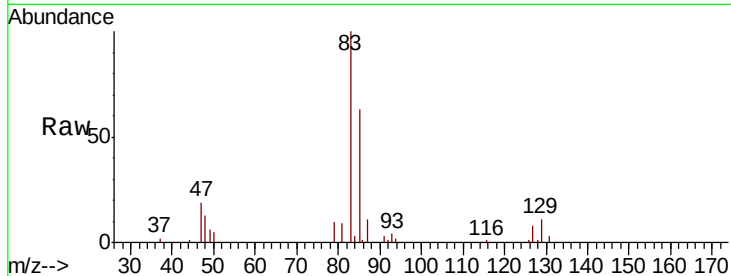
#47
Bromodichloromethane
Concen: 21.032 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	83	Resp	21386
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.4	77.0
127	7.7	7.5	11.3

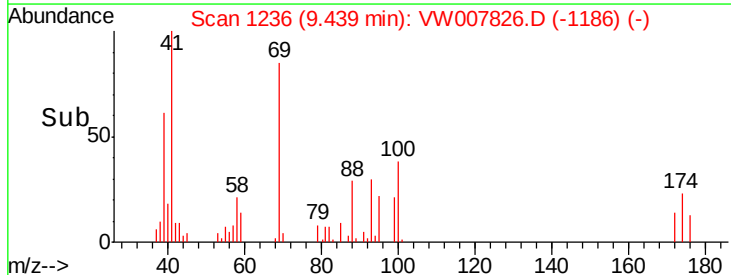
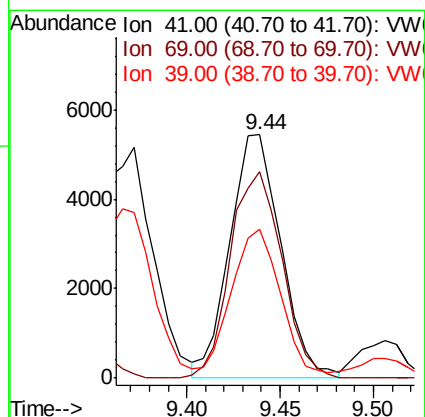
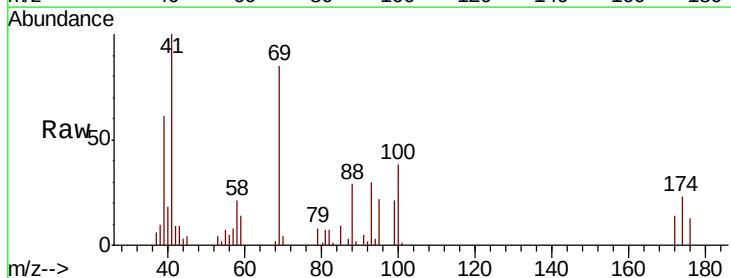
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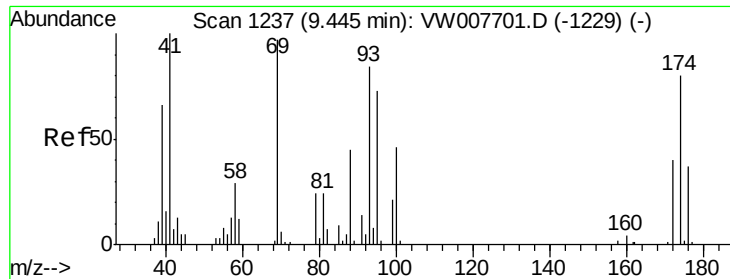
MMDadoda
12/26/2018 11:00:16 AM



#48
Methyl methacrylate
Concen: 28.164 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	41	Resp	10315
Ion Ratio	100	Lower	Upper
41	100		
69	85.3	74.2	111.2
39	59.8	53.9	80.9





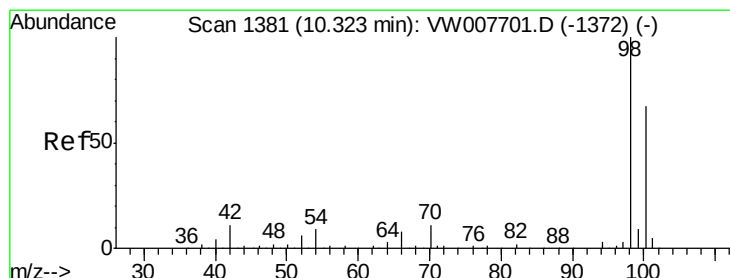
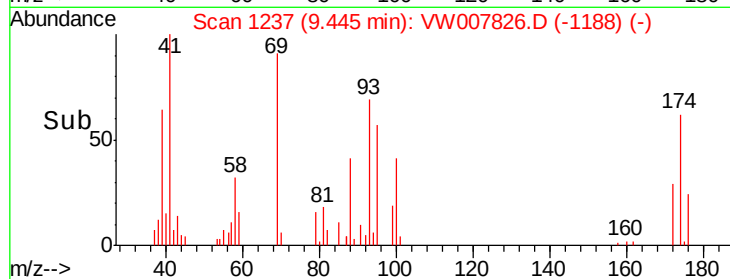
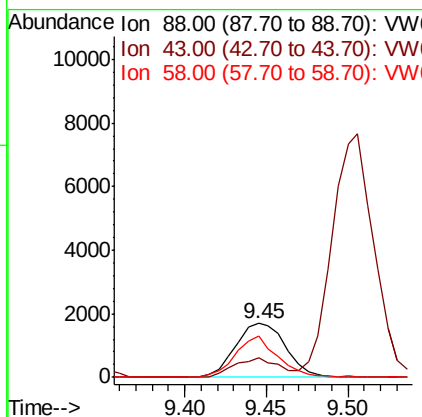
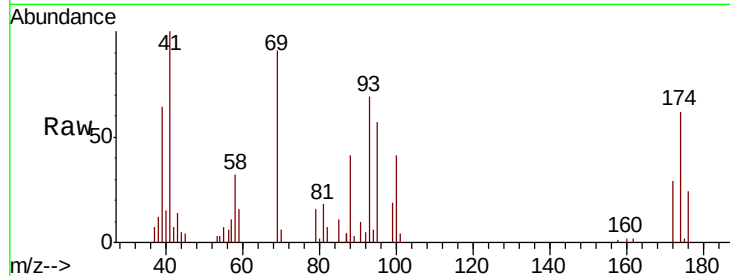
#49
1,4-Dioxane
Concen: 589.007 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.6	38.4
58	65.3	52.3	78.5

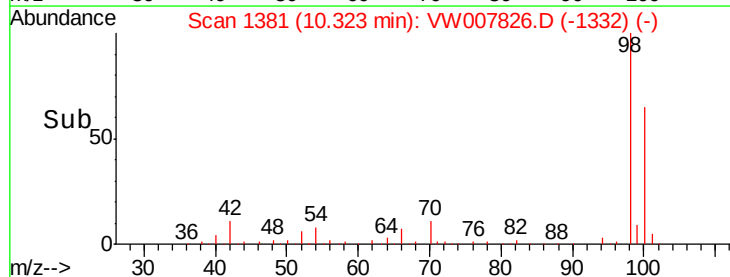
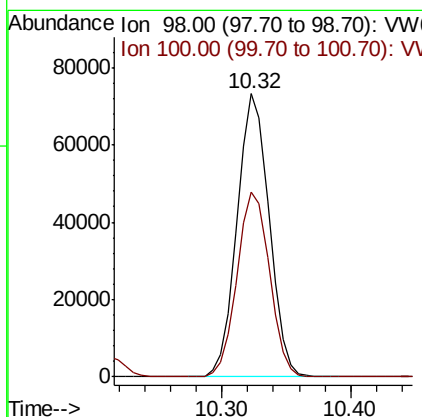
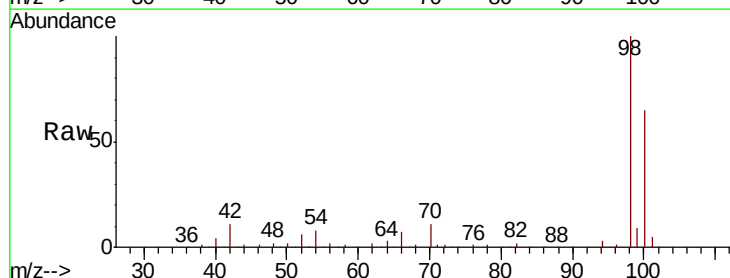
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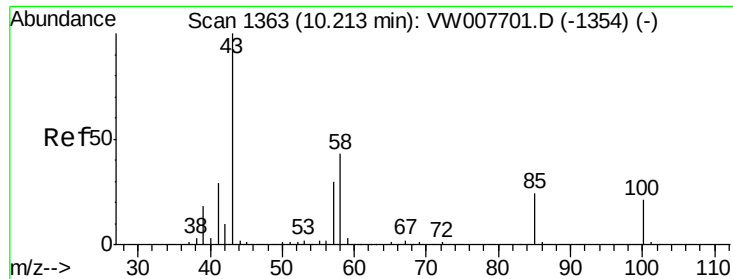
MMDadoda
12/26/2018 11:00:16 AM



#50
Toluene-d8
Concen: 49.929 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.2	78.2





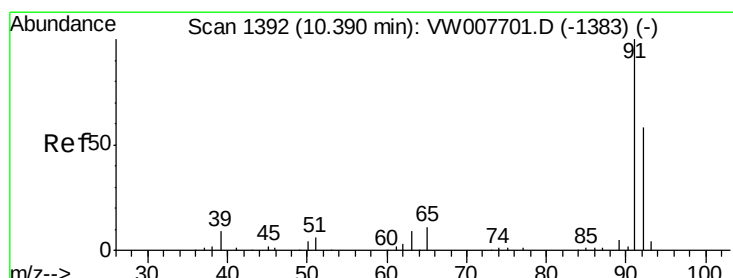
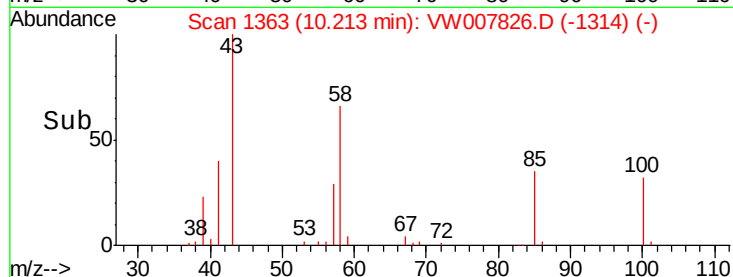
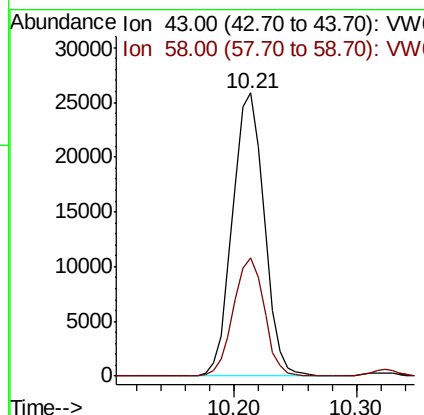
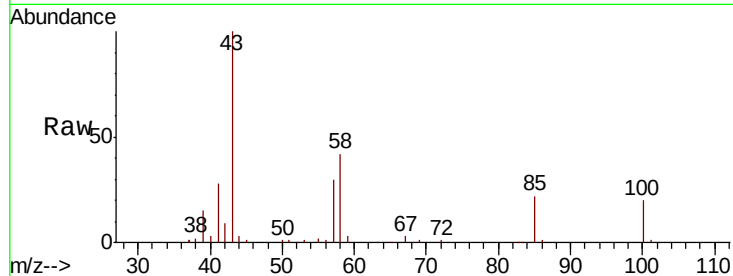
#51
4-Methyl-2-Pentanone
Concen: 133.984 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 43 Resp: 46460
Ion Ratio Lower Upper
43 100
58 40.8 33.2 49.8

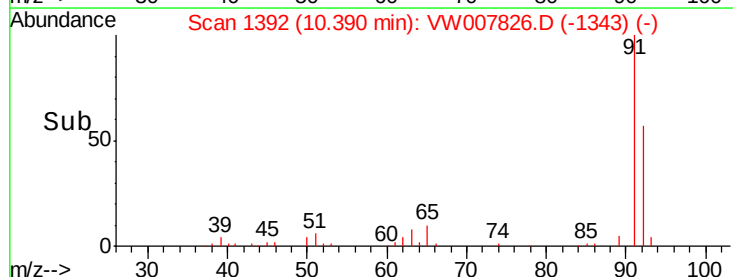
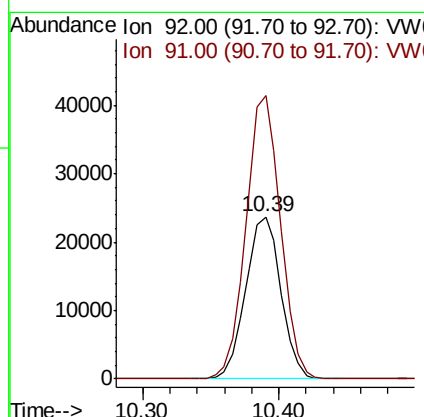
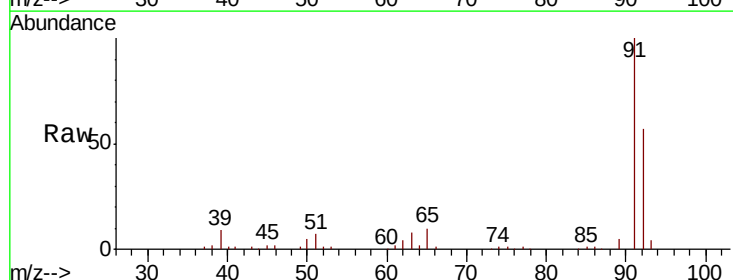
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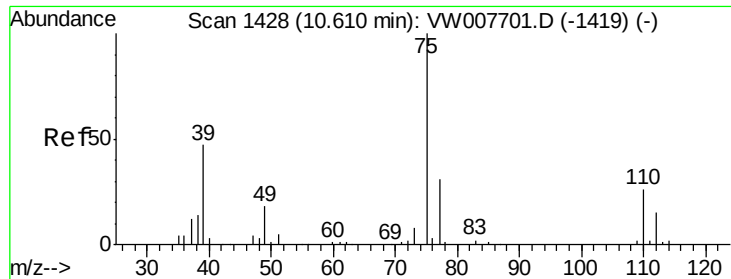
MMDadoda
12/26/2018 11:00:16 AM



#52
Toluene
Concen: 22.567 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion: 92 Resp: 42876
Ion Ratio Lower Upper
92 100
91 171.6 137.0 205.4





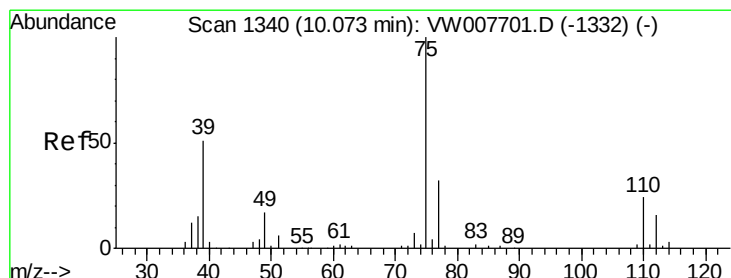
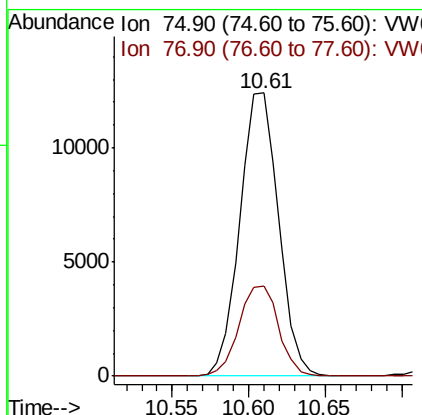
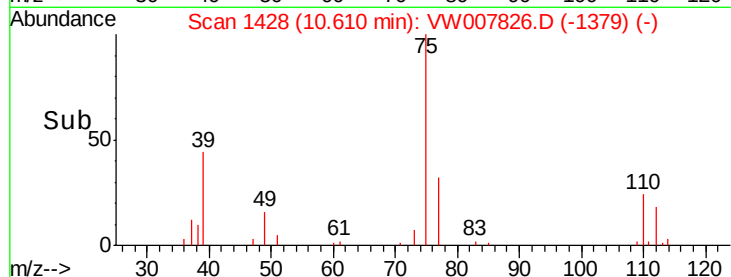
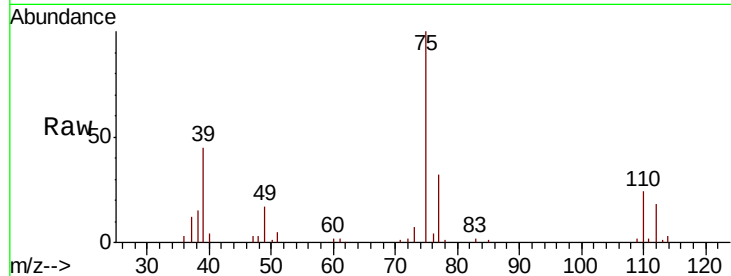
#53
 t-1,3-Dichloropropene
 Concen: 21.599 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion: 75 Resp: 21846
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8

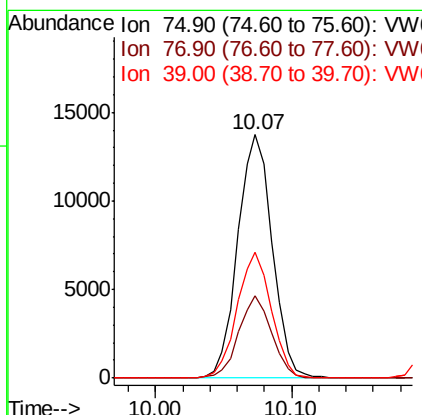
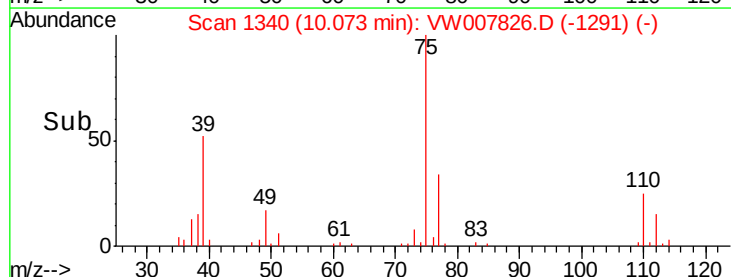
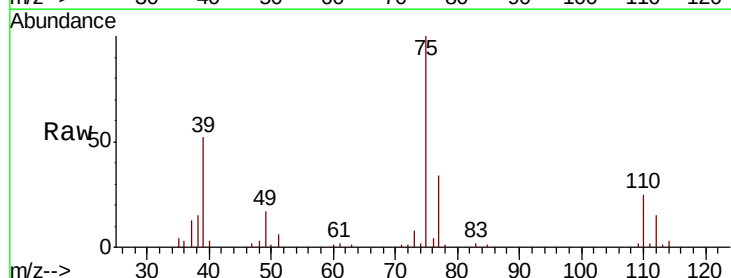
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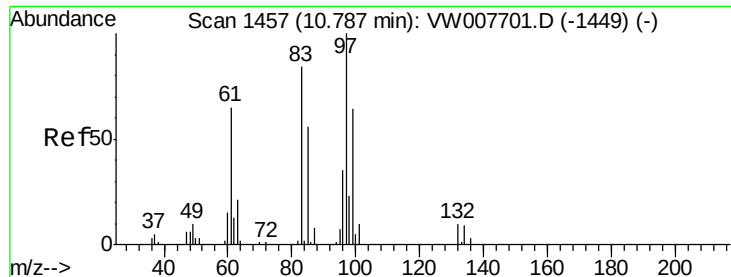
MMDadoda
 12/26/2018 11:00:16 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.771 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion: 75 Resp: 24322
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.5 38.3
 39 51.9 41.2 61.8





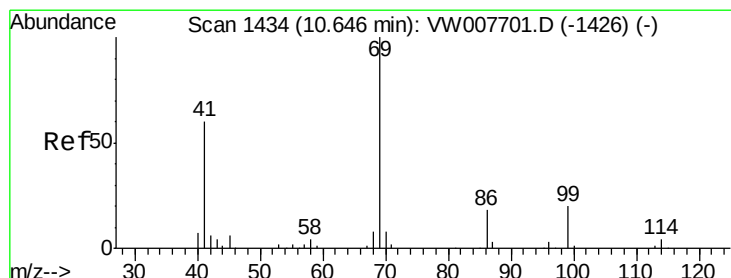
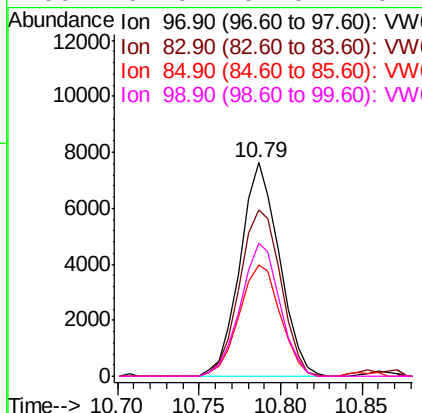
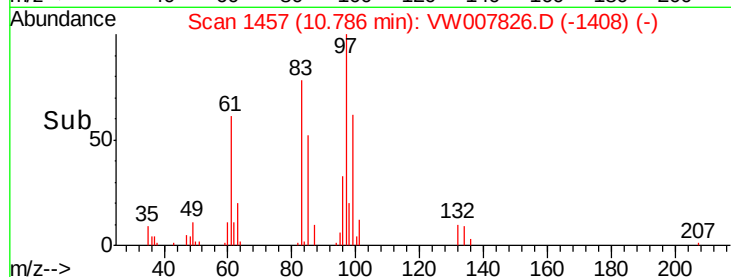
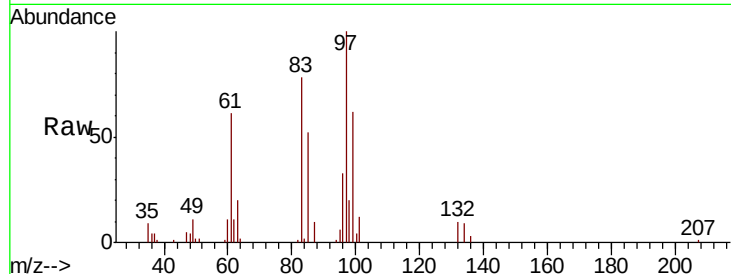
#55
 1,1,2-Trichloroethane
 Concen: 23.975 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion:	97	Resp:	12784
Ion	Ratio	Lower	Upper
97	100		
83	77.8	67.5	101.3
85	51.9	44.8	67.2
99	62.0	51.0	76.4

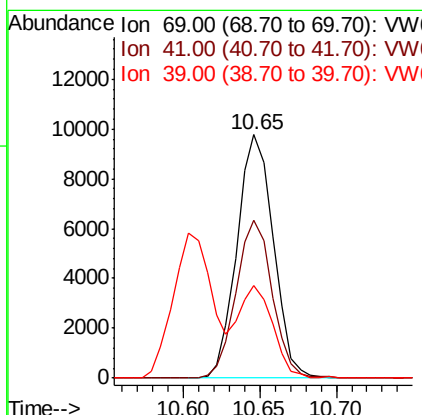
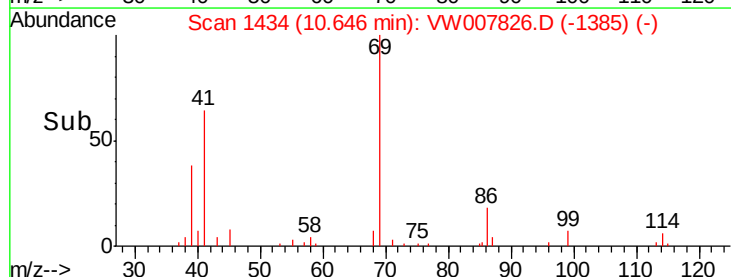
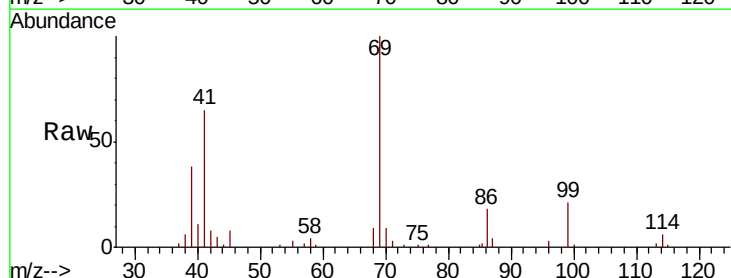
Manual Integrations
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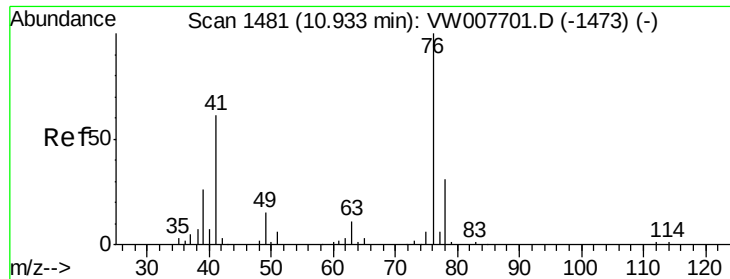
MMDadoda
 12/26/2018 11:00:16 AM



#56
 Ethyl methacrylate
 Concen: 25.665 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion:	69	Resp:	16169
Ion	Ratio	Lower	Upper
69	100		
41	64.6	48.9	73.3
39	36.0	31.3	46.9





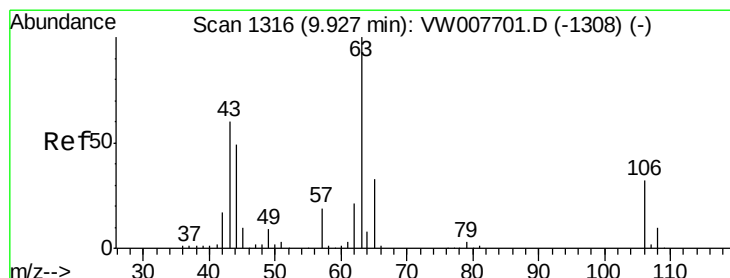
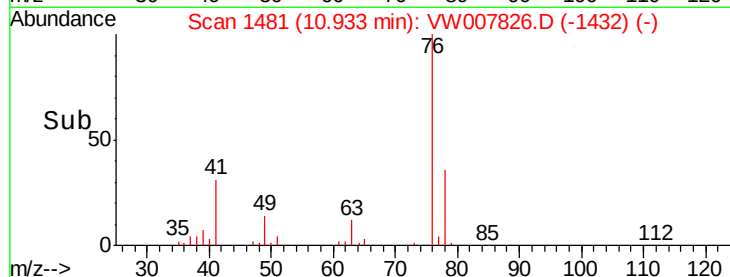
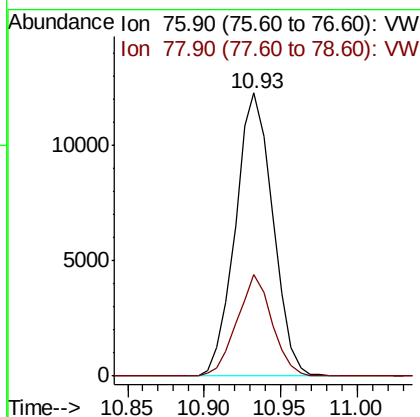
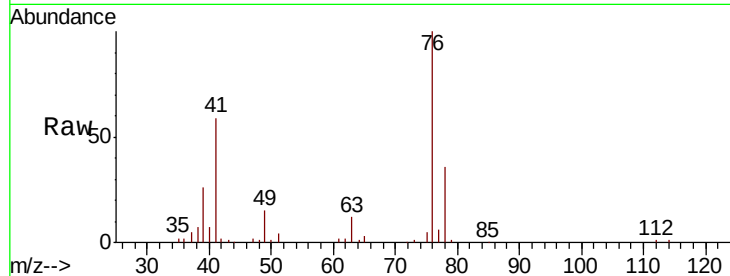
#57
 1,3-Dichloropropane
 Concen: 23.483 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBSD02

Tot Ion: 76 Resp: 20793
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.2 39.2

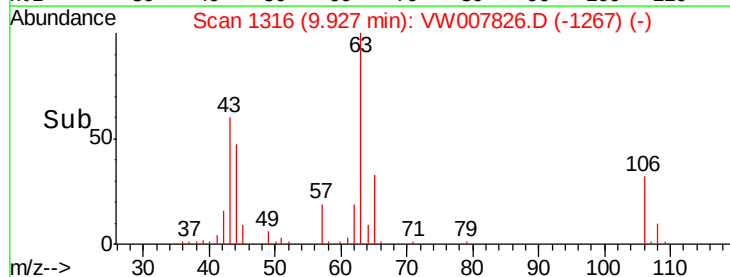
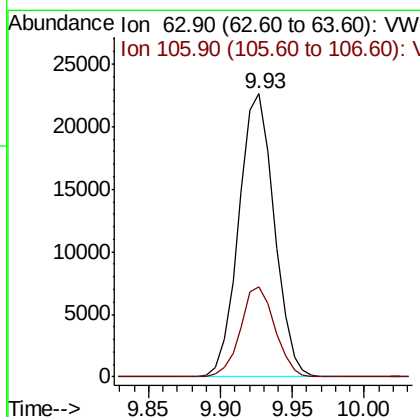
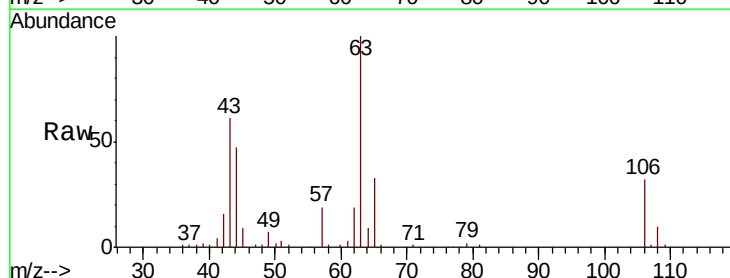
Manual Integrations
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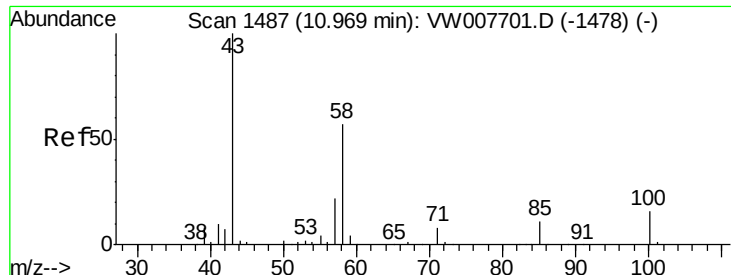
MMDadoda
 12/26/2018 11:00:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.500 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion: 63 Resp: 38688
 Ion Ratio Lower Upper
 63 100
 106 30.7 25.9 38.9





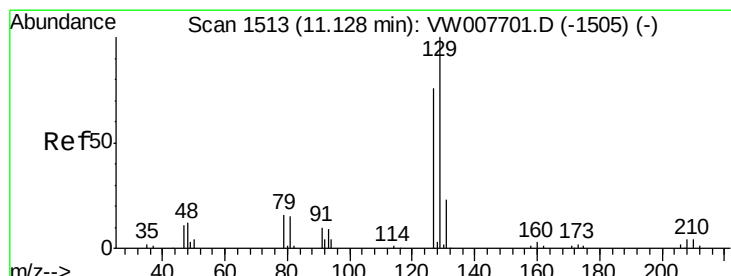
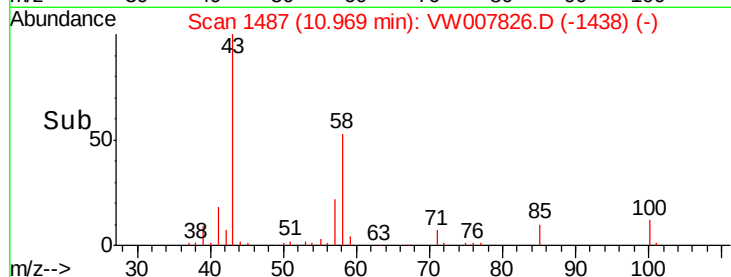
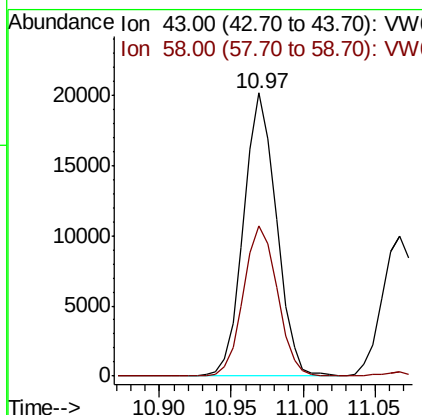
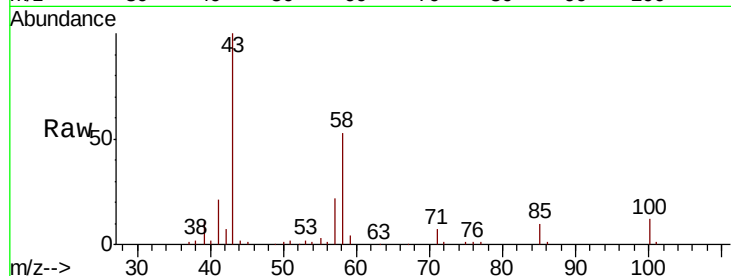
#59
2-Hexanone
Concen: 130.327 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion: 43 Resp: 31782
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

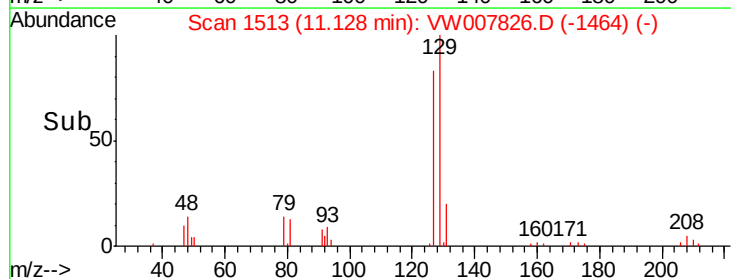
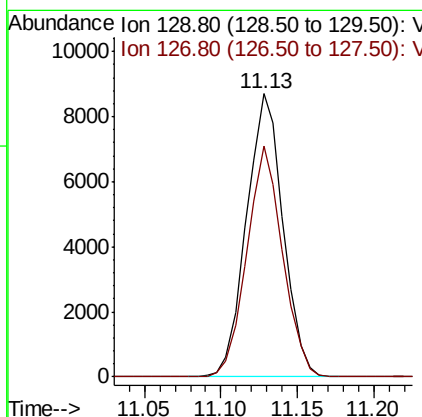
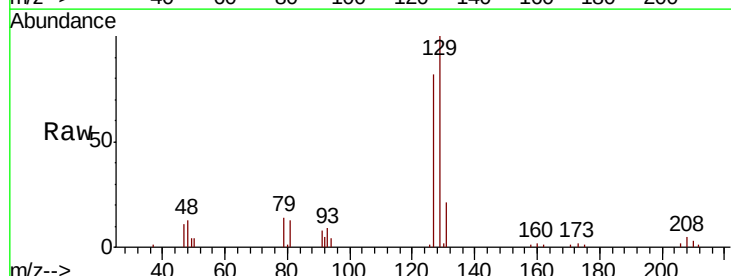
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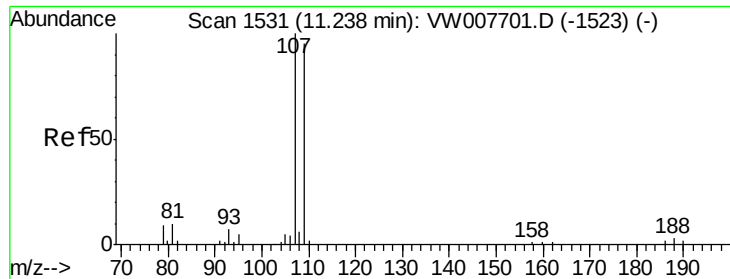
MMDadoda
12/26/2018 11:00:16 AM



#60
Dibromochloromethane
Concen: 20.491 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion: 129 Resp: 14467
Ion Ratio Lower Upper
129 100
127 79.5 38.3 114.9





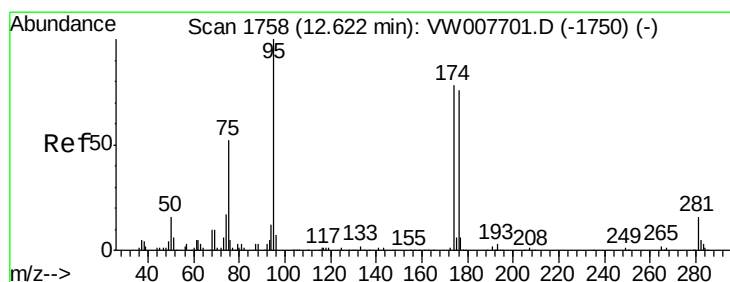
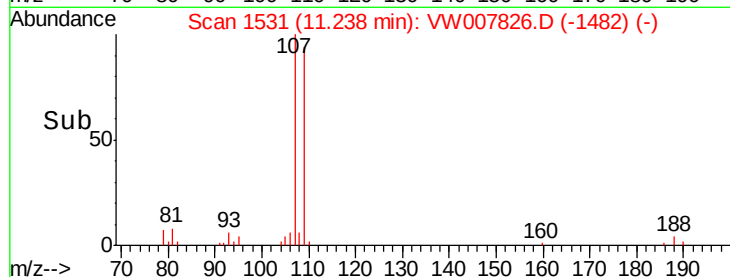
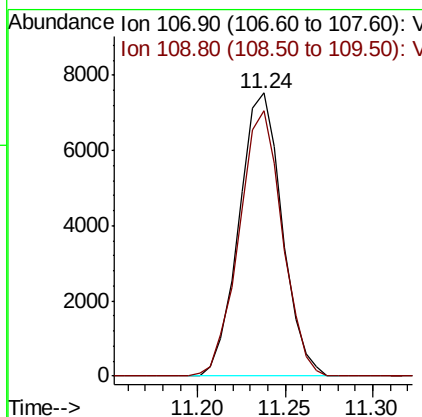
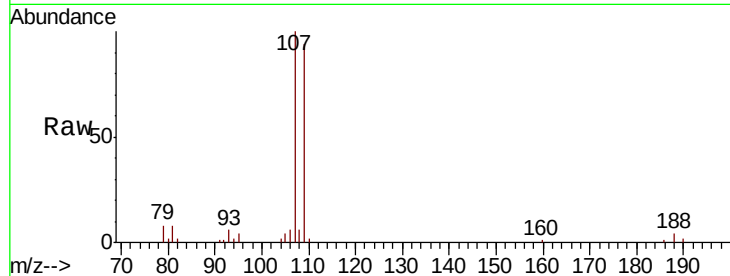
#61
 1,2-Dibromoethane
 Concen: 23.853 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion: 107 Resp: 12880
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0

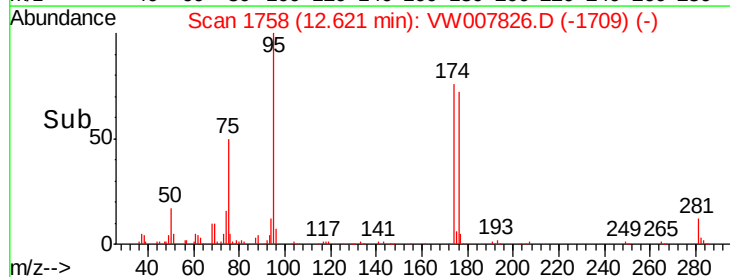
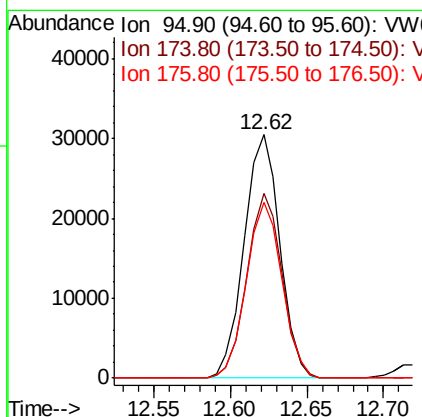
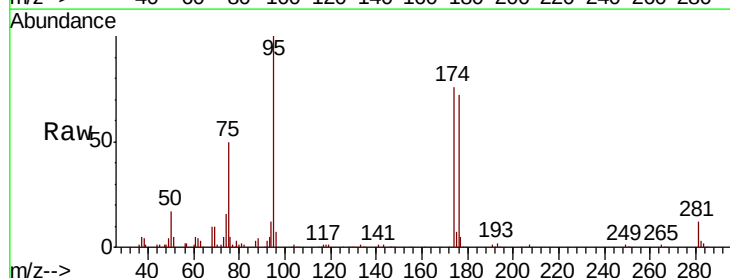
Manual Integrations
 APPROVED

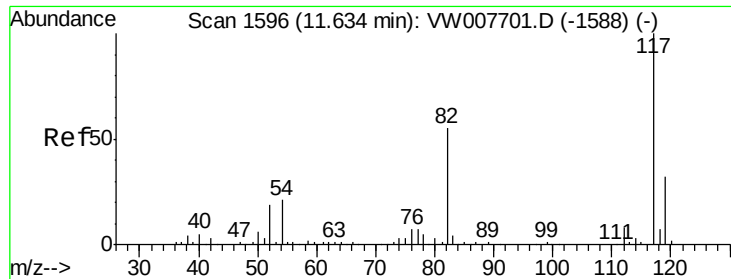
MMDadoda
 12/26/2018 11:00:16 AM



#62
 4-Bromofluorobenzene
 Concen: 50.648 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion: 95 Resp: 49475
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 152.2
 176 71.9 0.0 146.8





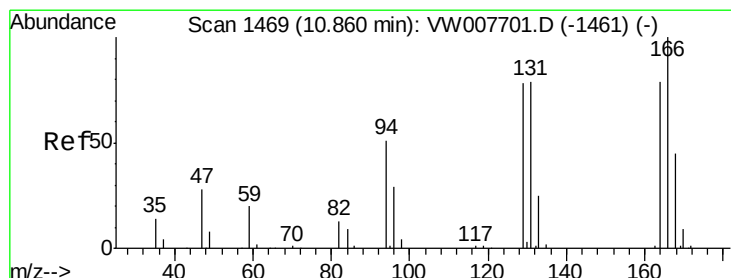
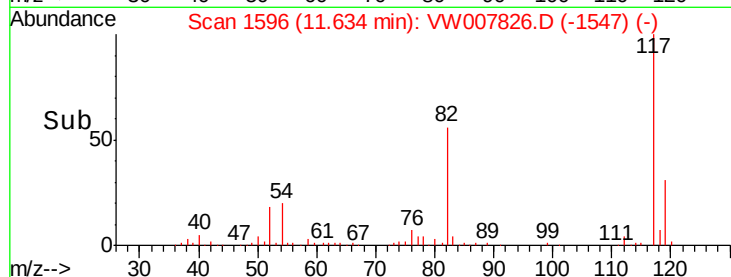
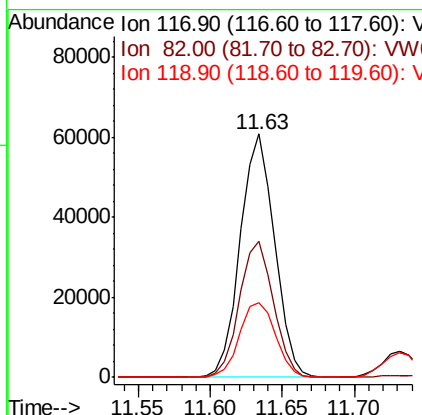
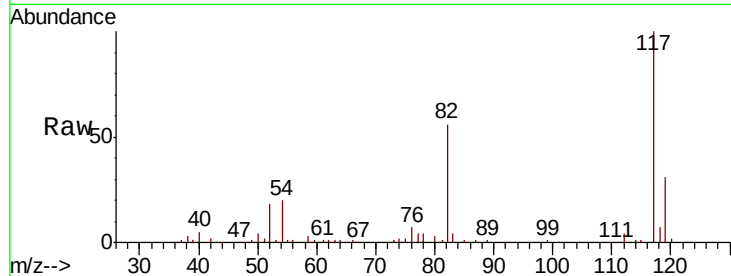
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	30.8	25.7	38.5

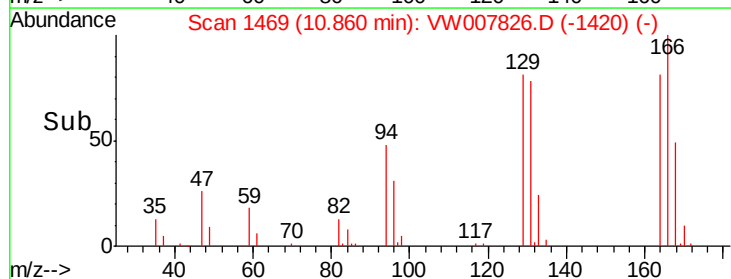
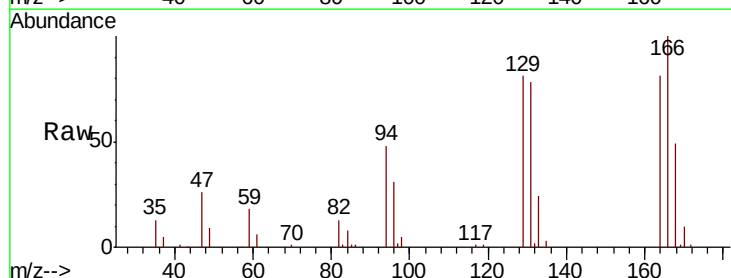
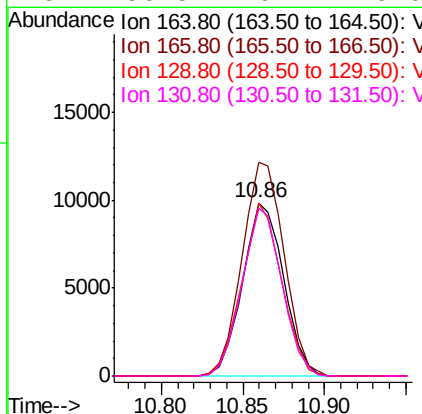
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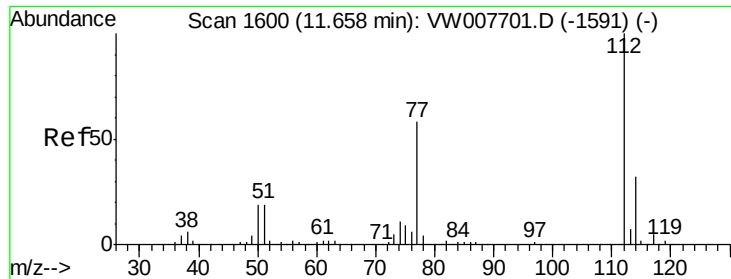
MMDadoda
12/26/2018 11:00:16 AM



#64
Tetrachloroethene
Concen: 24.158 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.0	151.6
129	99.5	78.7	118.1
131	96.5	79.4	119.0





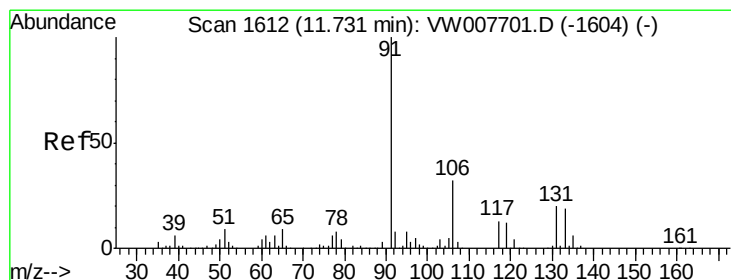
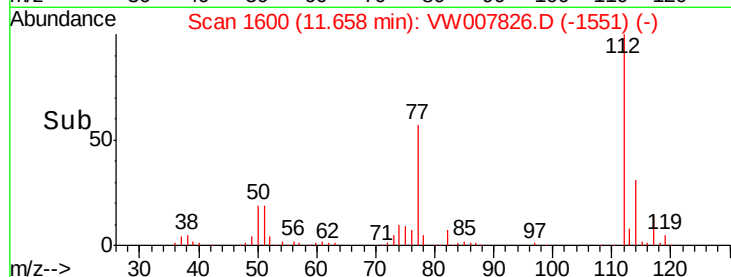
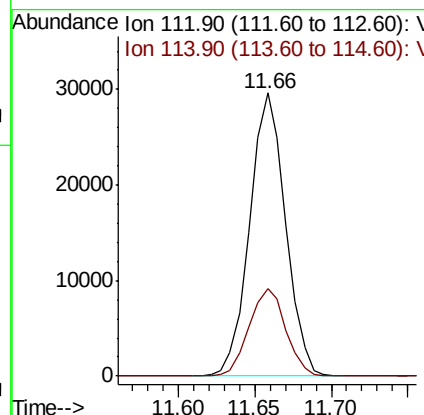
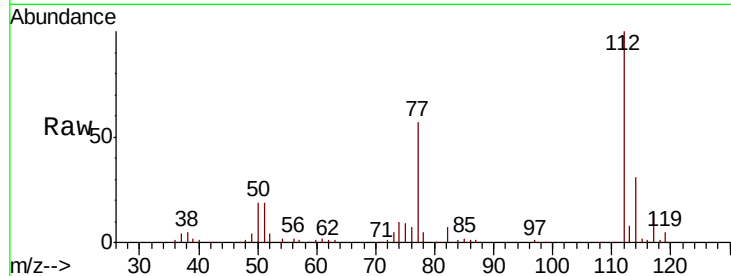
#65
Chlorobenzene
Concen: 22.179 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion:112 Resp: 48201
Ion Ratio Lower Upper
112 100
114 31.0 25.2 37.8

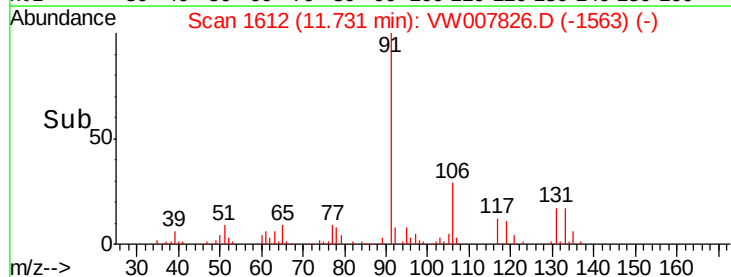
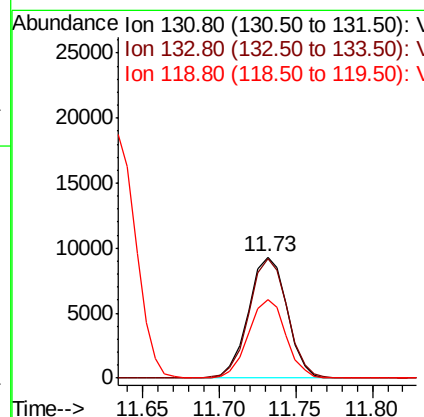
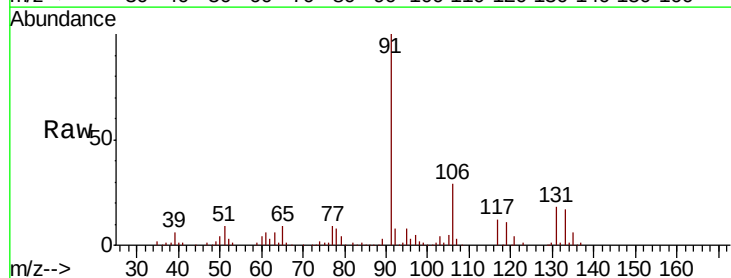
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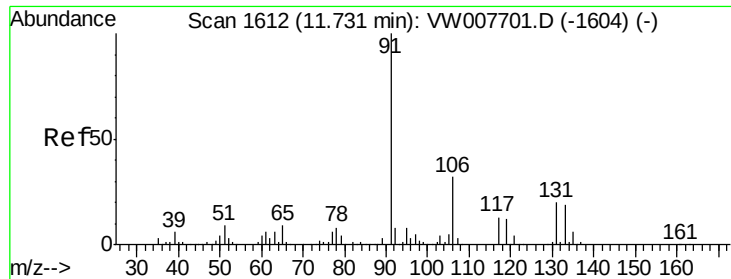
MMDadoda
12/26/2018 11:00:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.936 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion:131 Resp: 16258
Ion Ratio Lower Upper
131 100
133 98.2 47.5 142.5
119 63.2 30.2 90.6





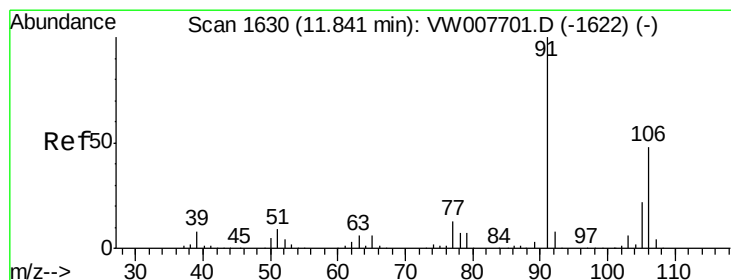
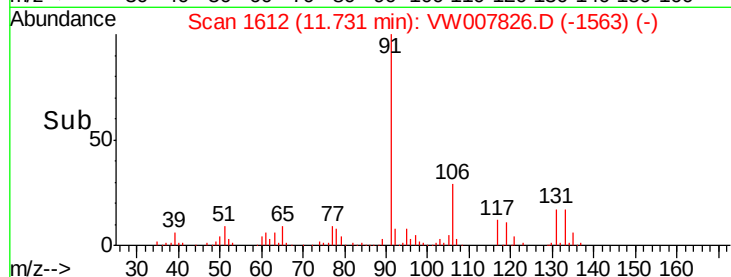
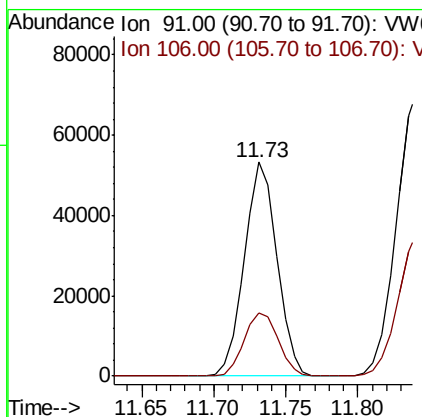
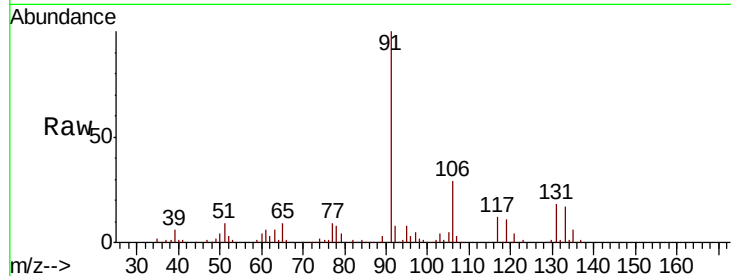
#67
Ethyl Benzene
Concen: 22.384 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.3	25.8	38.8	

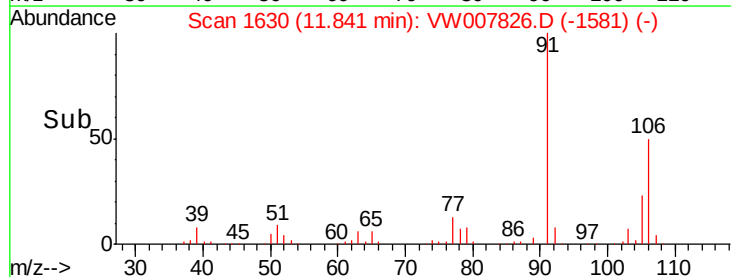
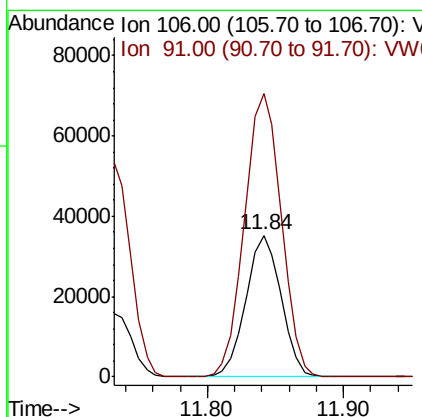
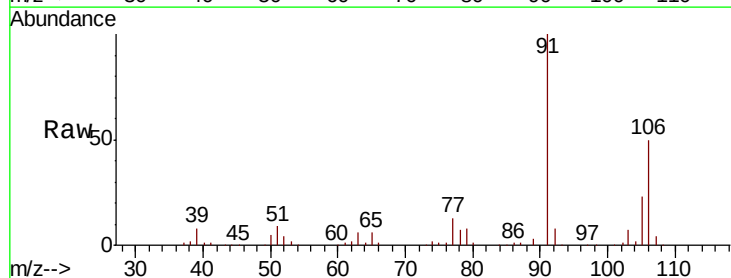
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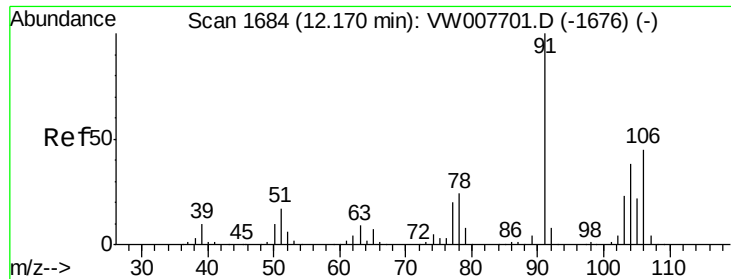
MMDadoda
12/26/2018 11:00:16 AM



#68
m/p-Xylenes
Concen: 44.292 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	209.2	165.2	247.8	





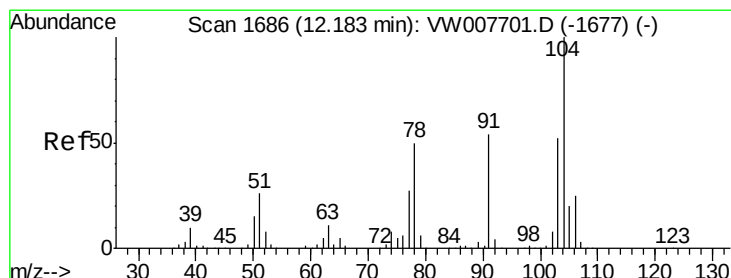
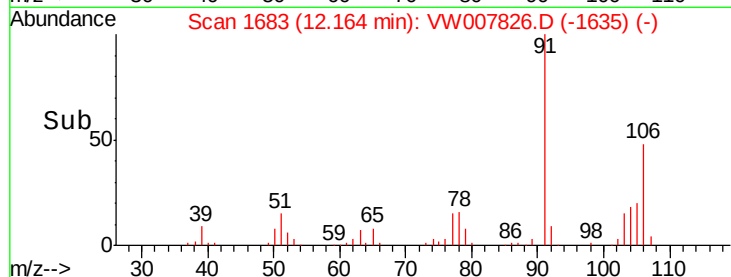
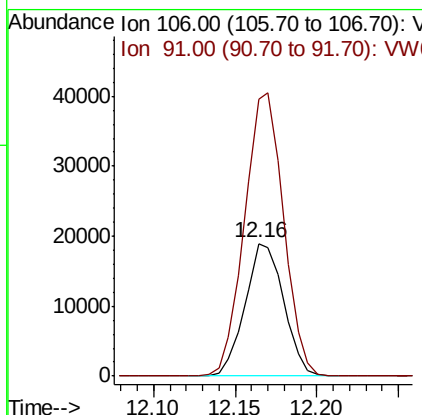
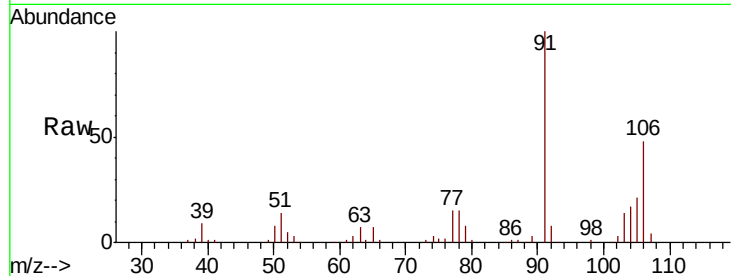
#69
o-Xylene
Concen: 23.047 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion:106 Resp: 31253
Ion Ratio Lower Upper
106 100
91 216.1 110.5 331.4

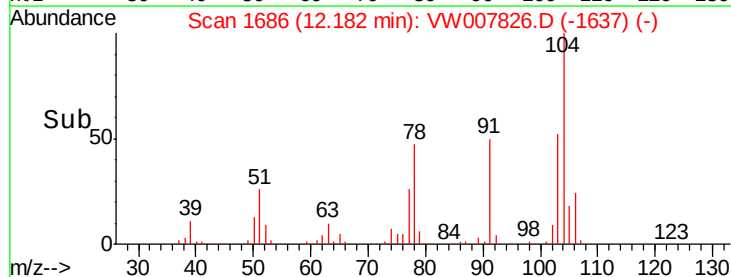
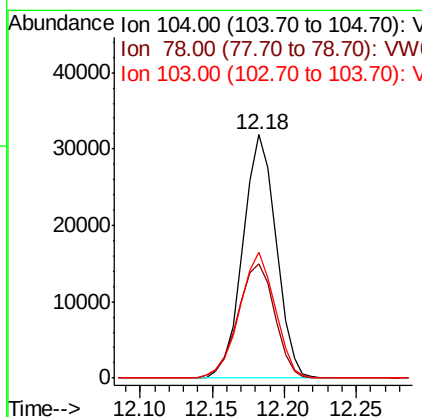
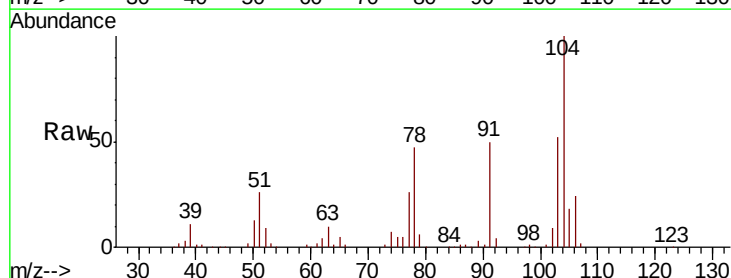
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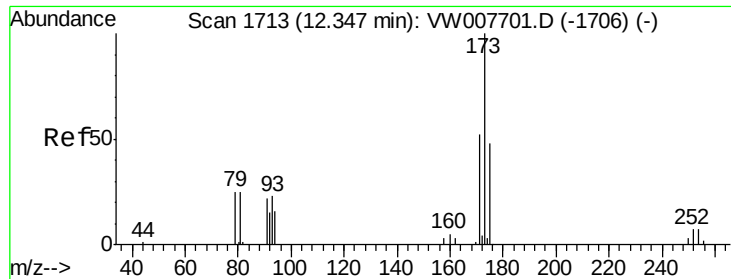
MMDadoda
12/26/2018 11:00:16 AM



#70
Styrene
Concen: 22.867 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion:104 Resp: 50973
Ion Ratio Lower Upper
104 100
78 52.4 43.4 65.0
103 55.2 44.5 66.7





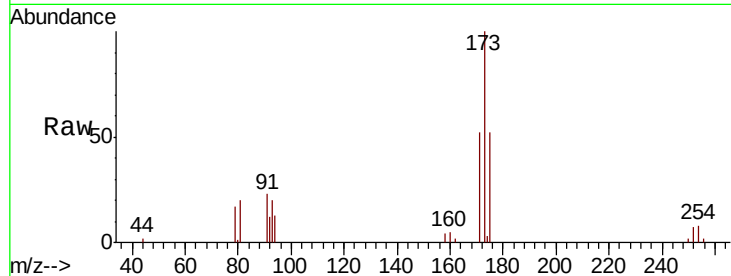
#71
Bromoform
Concen: 19.781 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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12/26/2018 11:00:16 AM

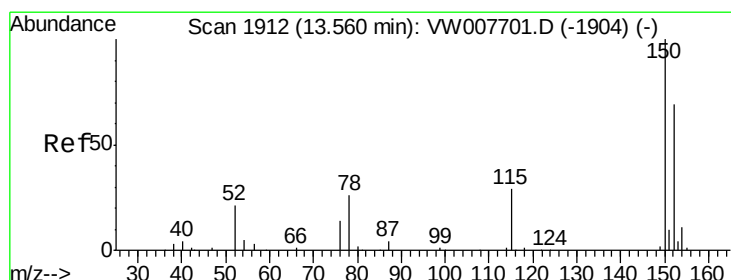
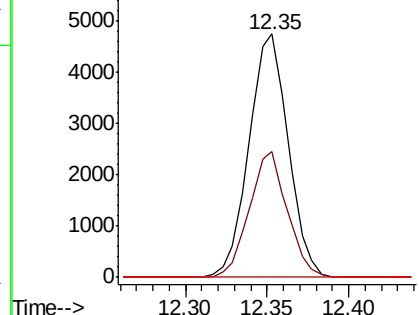
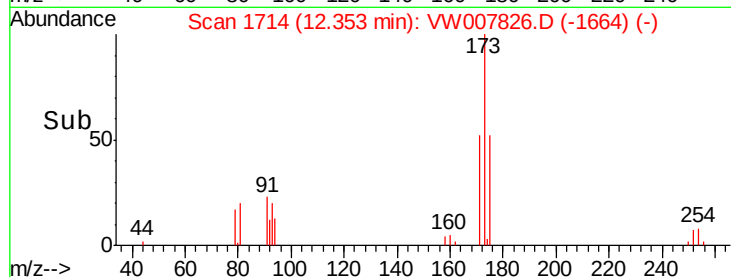


Abundance

Ion 172.70 (172.40 to 173.40): V

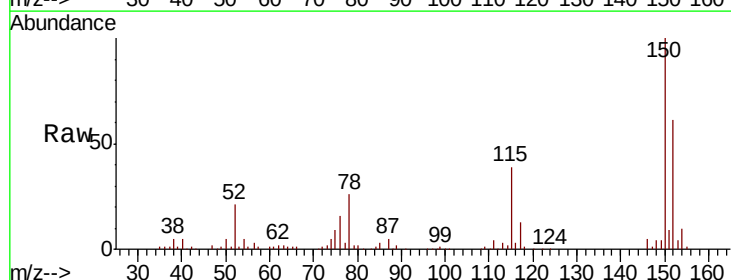
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	31.8	95.4
150	164.8	0.0	350.8

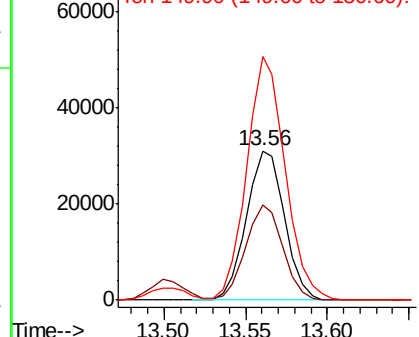
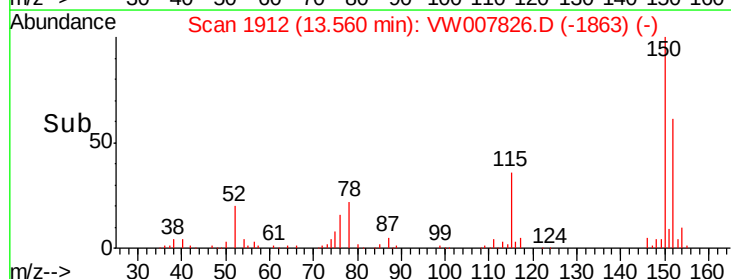


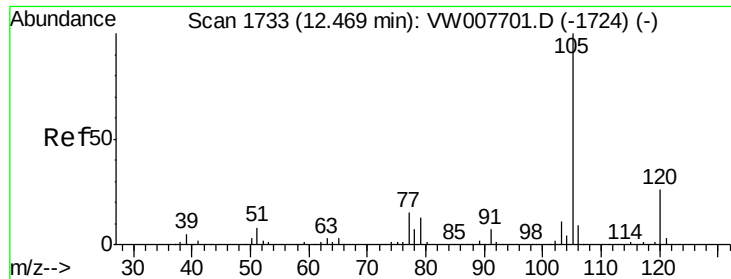
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





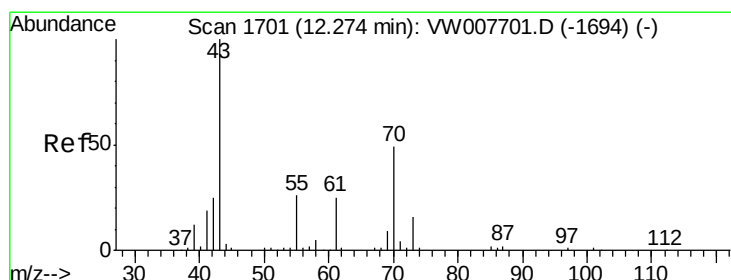
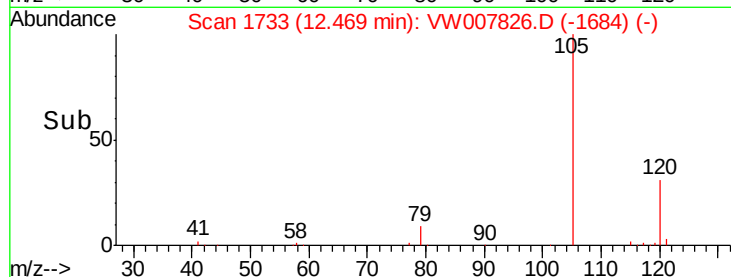
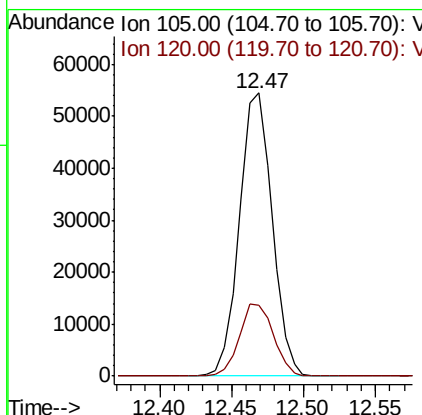
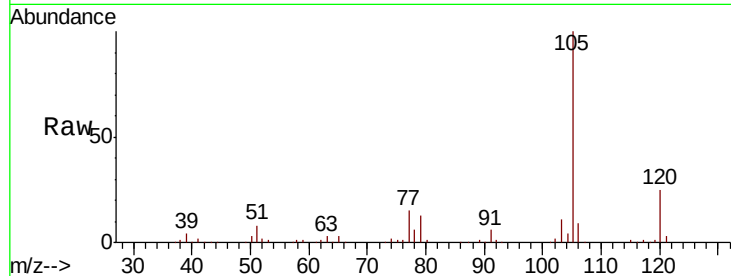
#73
Isopropylbenzene
Concen: 22.607 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

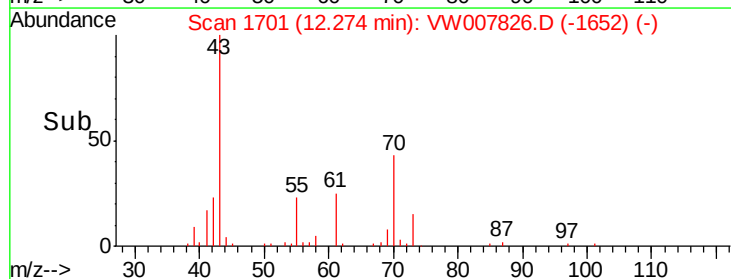
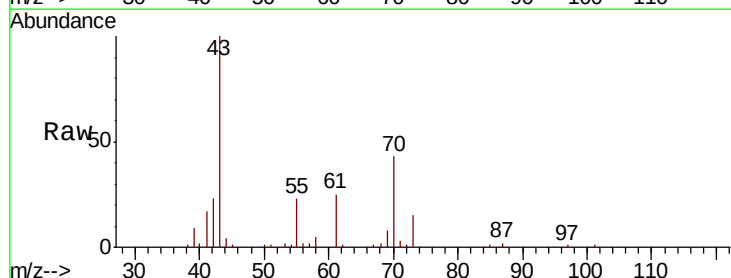
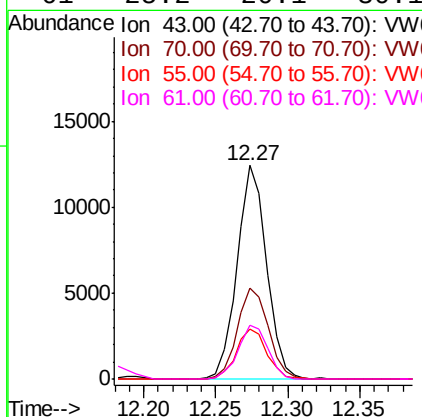
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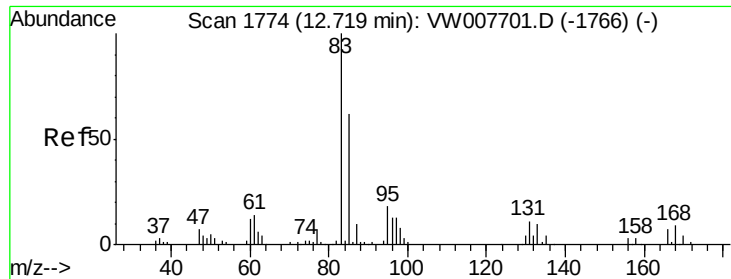
MMDadoda
12/26/2018 11:00:16 AM



#74
N-ethyl acetate
Concen: 26.866 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.5	37.6	56.4
55	24.1	21.7	32.5
61	25.2	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 24.838 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

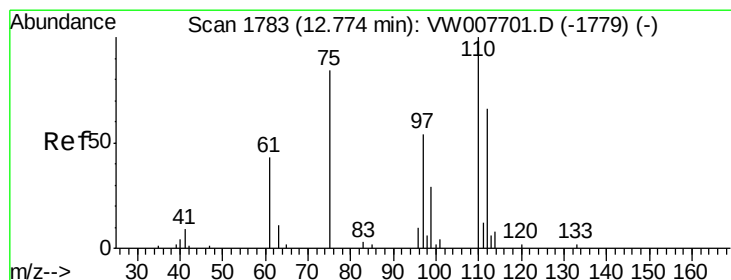
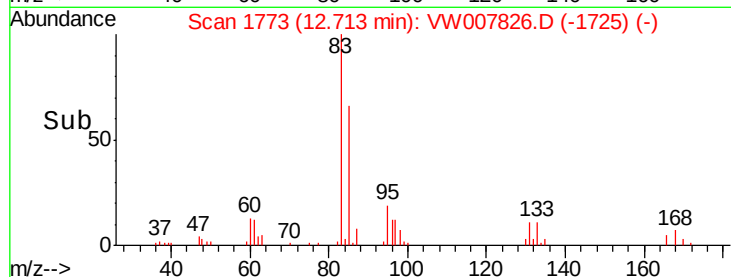
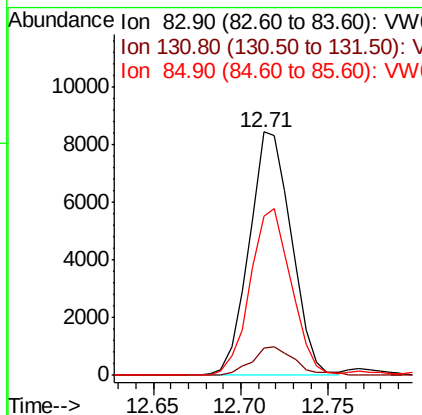
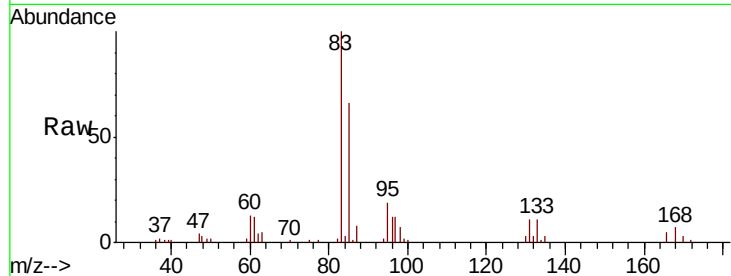
ClientSampleId :

VW1223SBS02

Tot Ion:	83	Resp:	14179
Ion Ratio	Lower	Upper	
83	100		
131	12.0	6.3	18.8
85	66.4	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 32.964 ug/l m

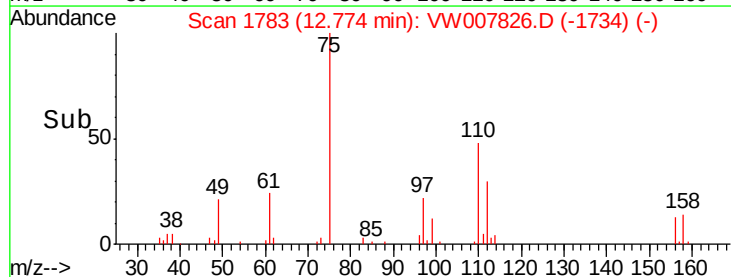
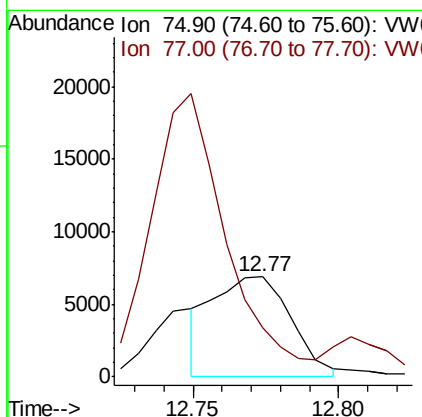
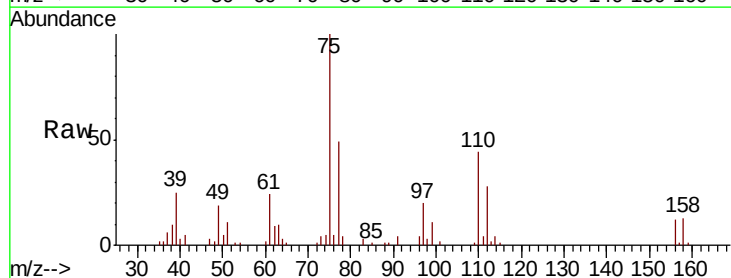
RT: 12.77 min Scan# 1783

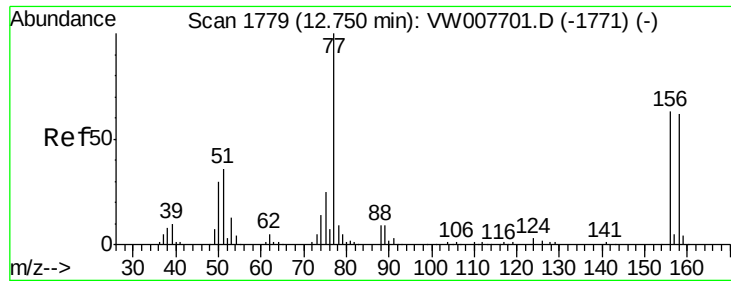
Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	75	Resp:	12833
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.358 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

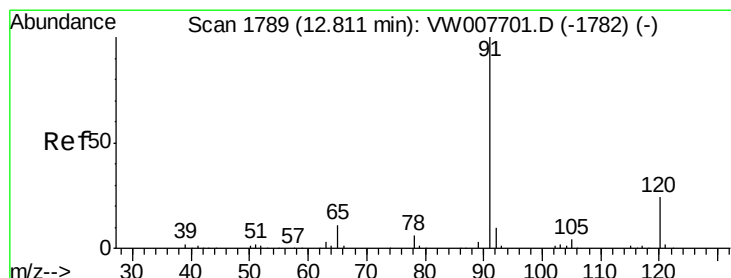
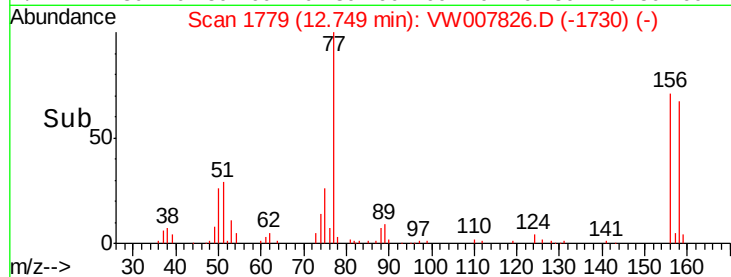
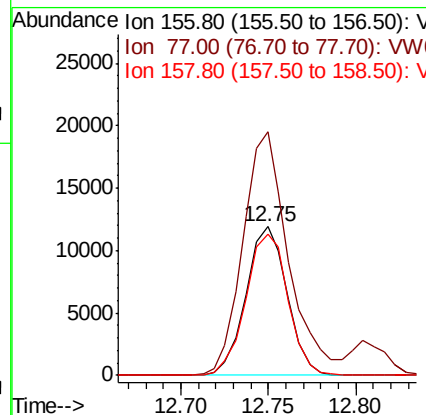
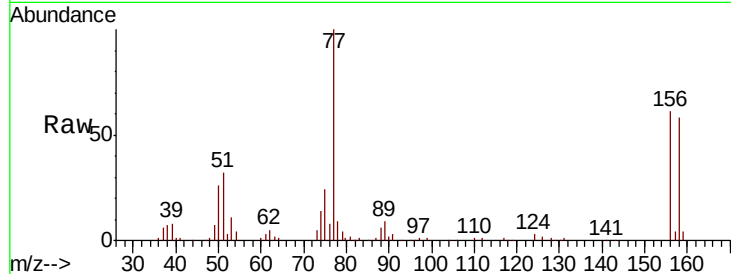
ClientSampleId :

VW1223SBS02

Tot Ion:	156	Resp:	19508
Ion Ratio	Lower	Upper	
156	100		
77	182.5	87.4	262.1
158	97.3	48.4	145.0

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#78

n-propylbenzene

Concen: 22.386 ug/l

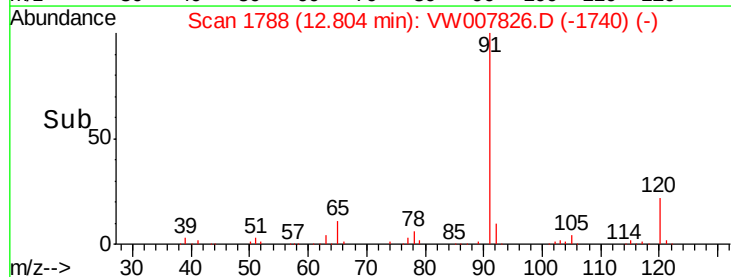
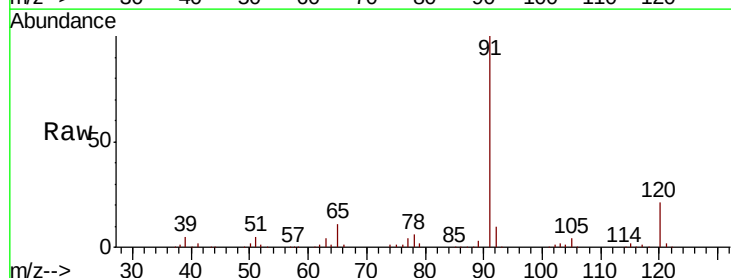
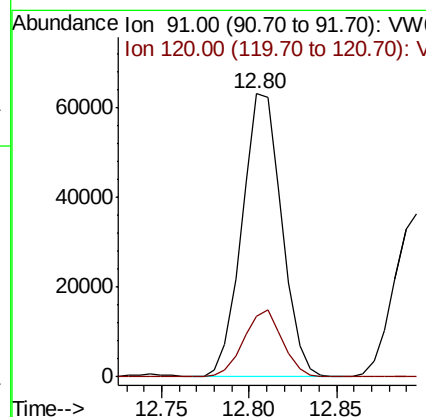
RT: 12.80 min Scan# 1788

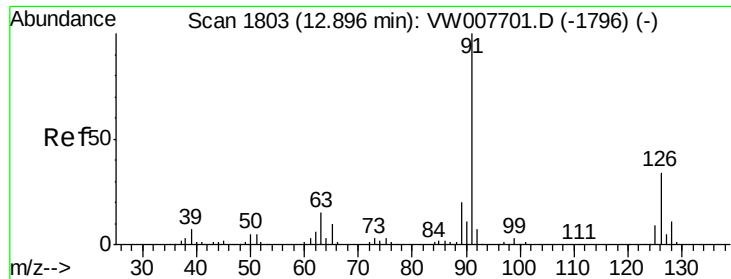
Delta R.T. -0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	91	Resp:	99215
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.9	35.7





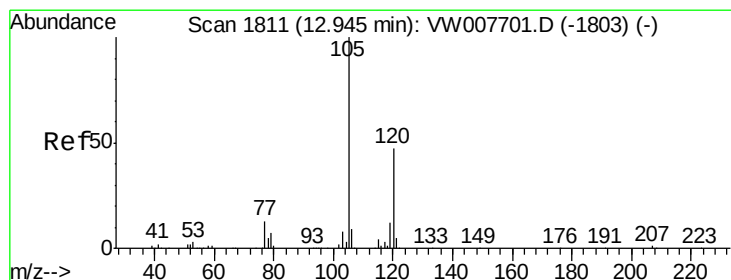
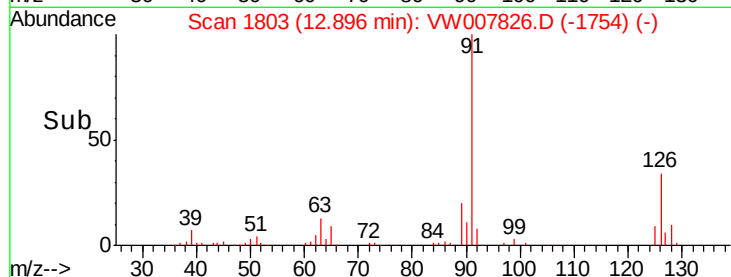
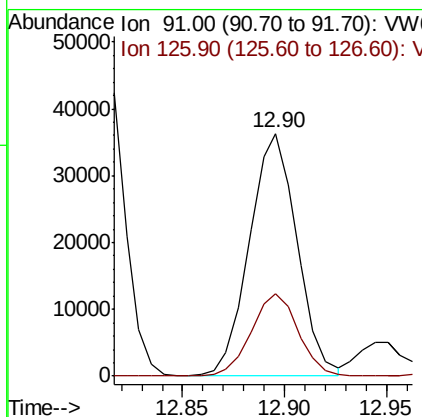
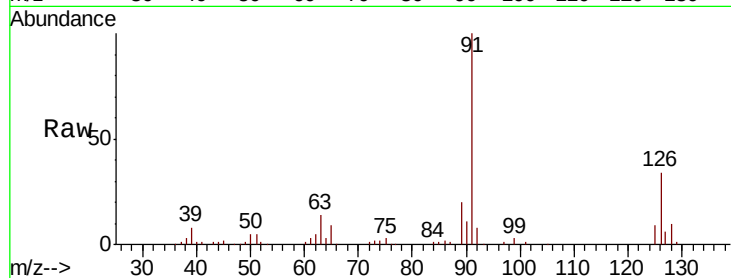
#79
 2-Chlorotoluene
 Concen: 22.752 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion: 91 Resp: 58743
 Ion Ratio Lower Upper
 91 100
 126 33.4 17.0 51.0

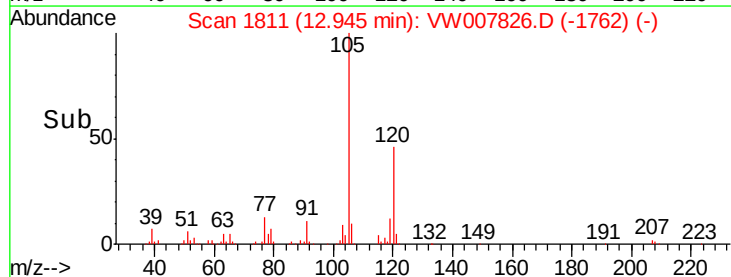
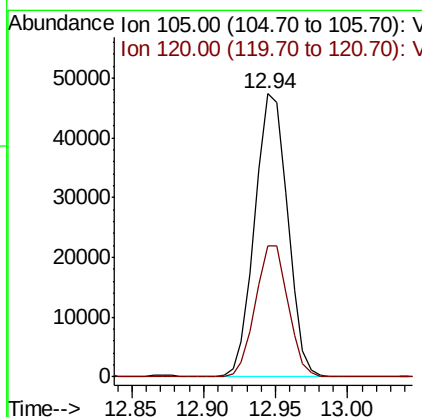
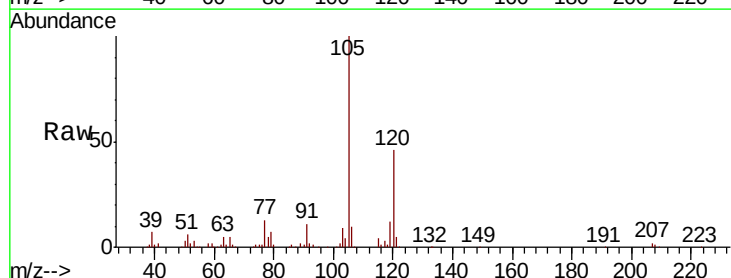
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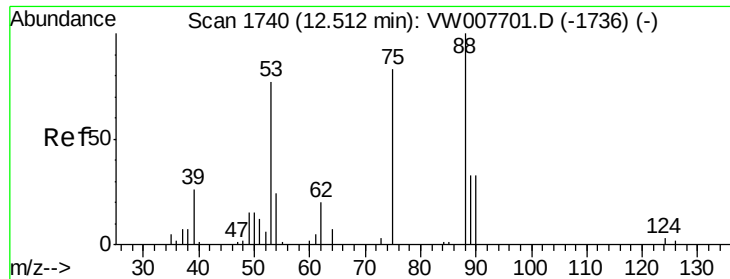
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.752 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion: 105 Resp: 74719
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.6 70.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.802 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

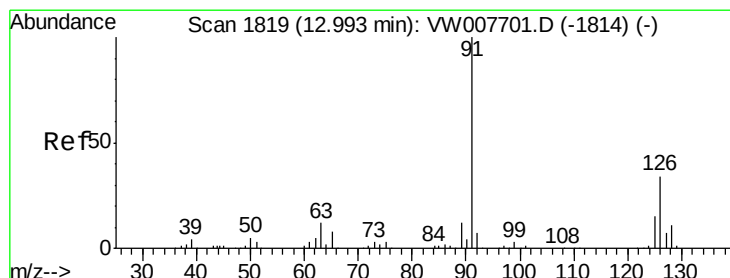
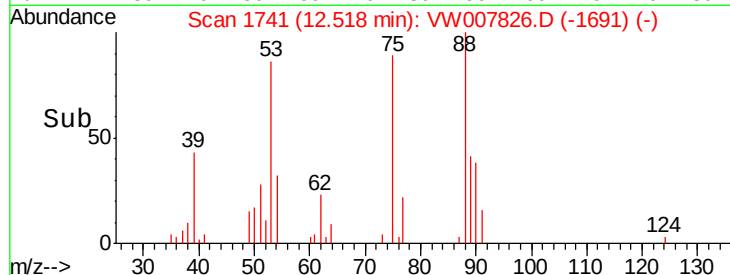
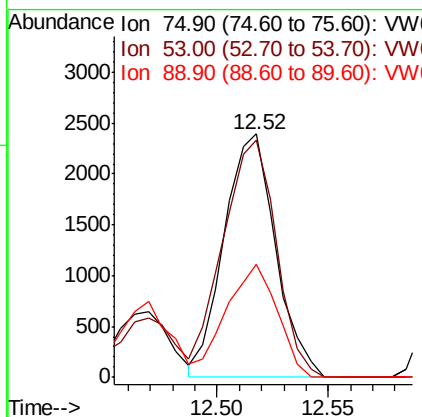
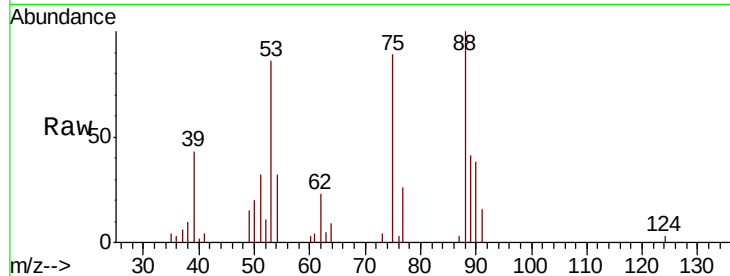
ClientSampleId :

VW1223SBS02

Tot Ion:	75	Resp:	3858
Ion	Ratio	Lower	Upper
75	100		
53	100.9	80.2	120.2
89	46.0	39.2	58.8

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#82

4-Chlorotoluene

Concen: 22.610 ug/l

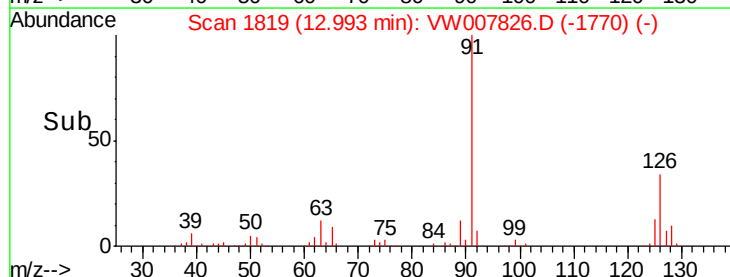
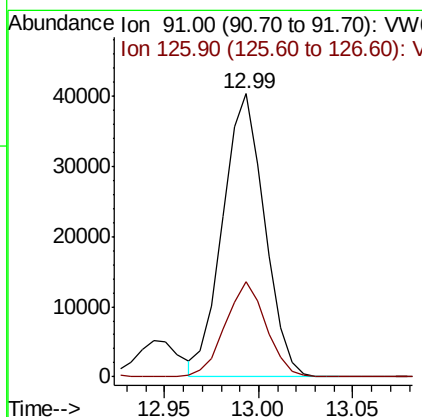
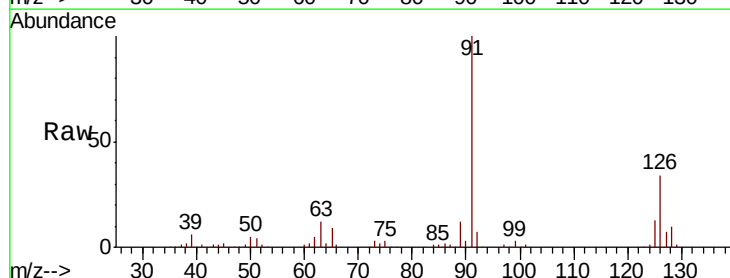
RT: 12.99 min Scan# 1819

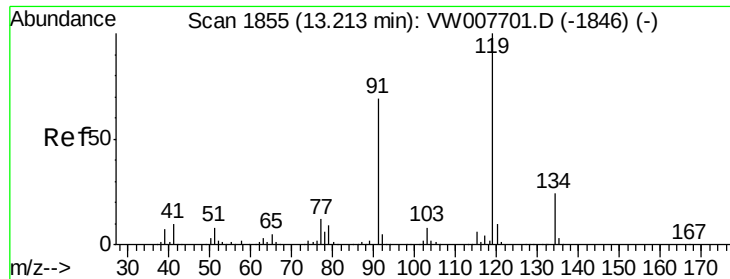
Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	91	Resp:	62156
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.5	49.5





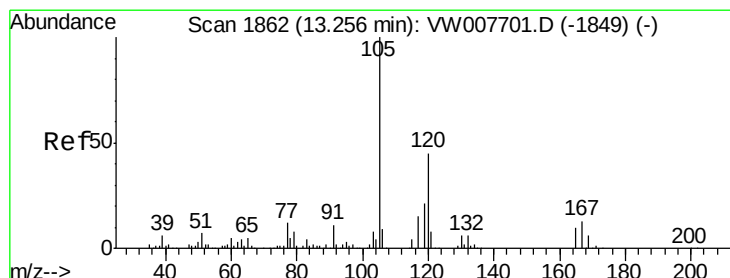
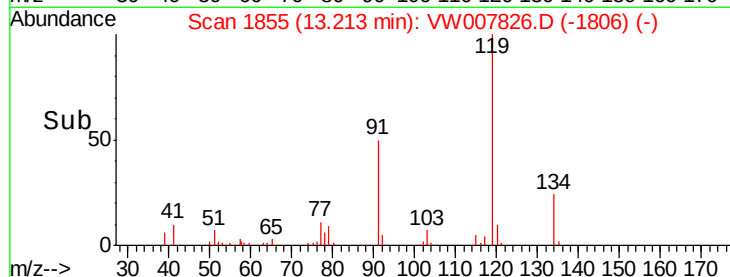
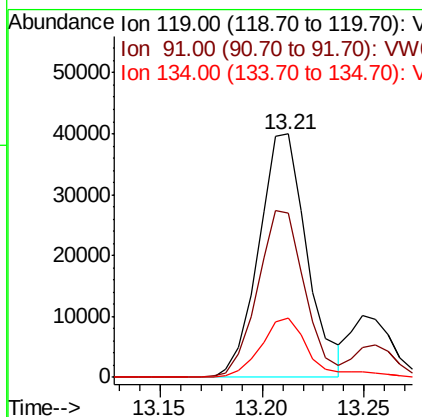
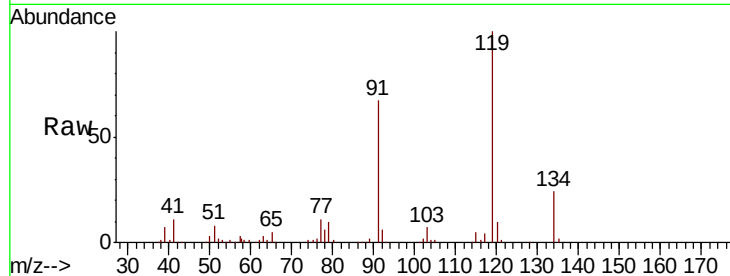
#83
tert-Butylbenzene
Concen: 22.826 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	34.2	102.5
134	24.8	12.8	38.4

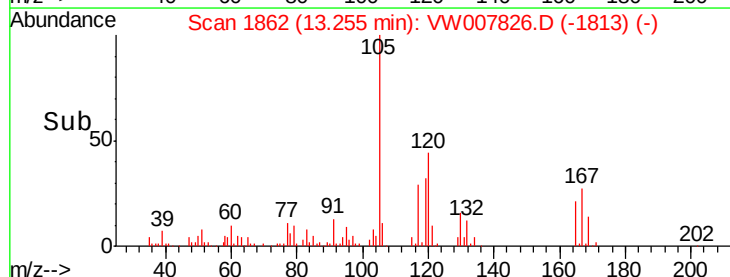
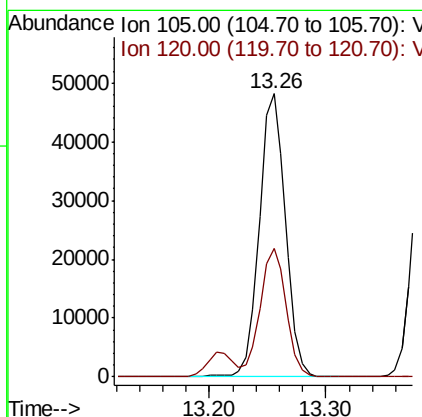
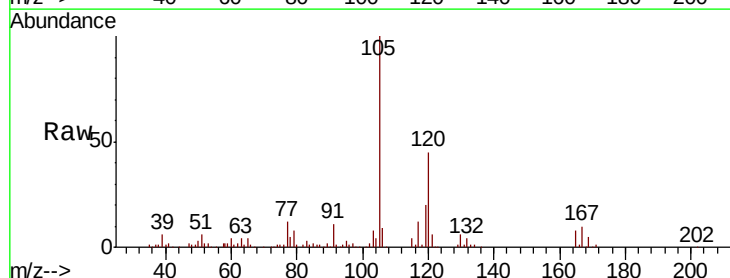
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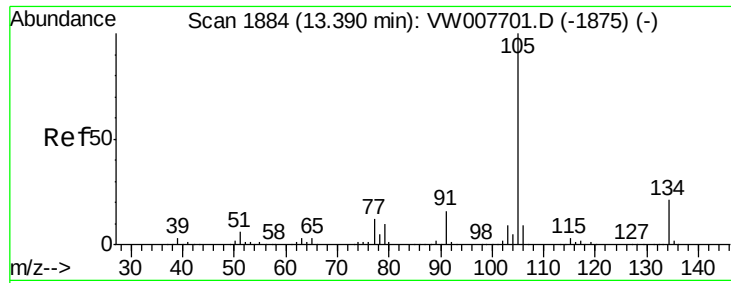
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.708 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.0	66.0





#85

sec-Butylbenzene

Concen: 22.284 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS02

Tot Ion:105 Resp: 88495

Ion Ratio Lower Upper

105 100

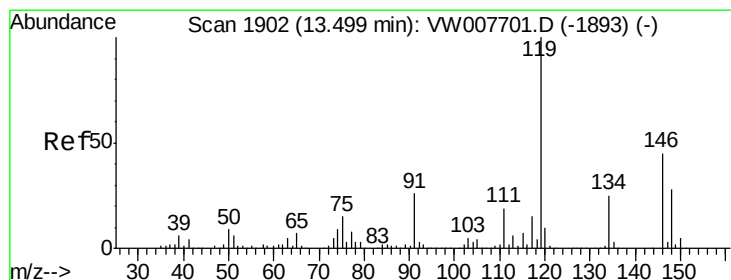
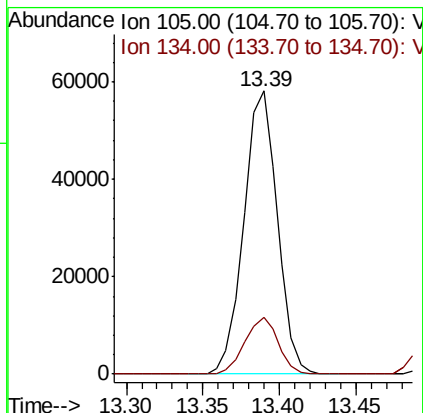
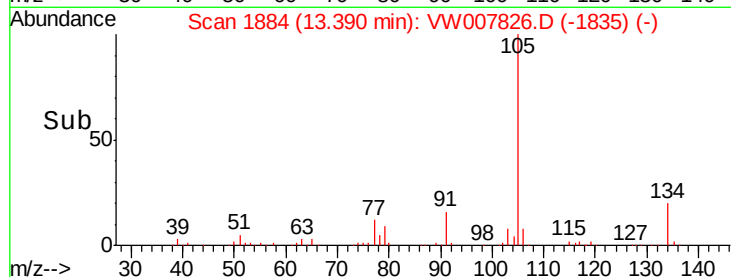
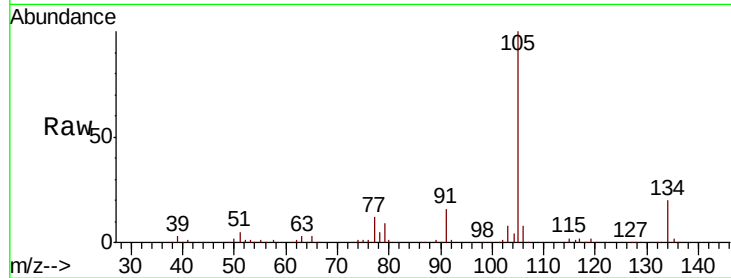
134 19.9 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 22.221 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

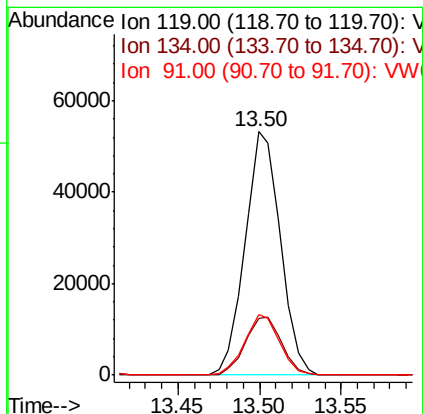
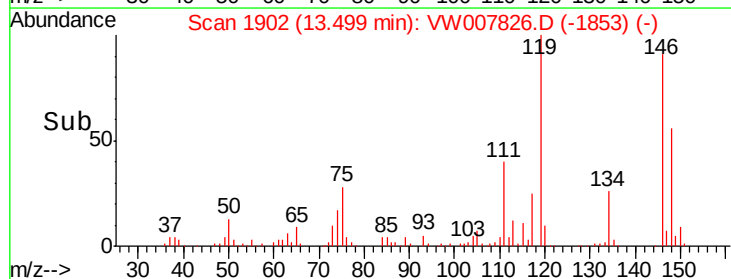
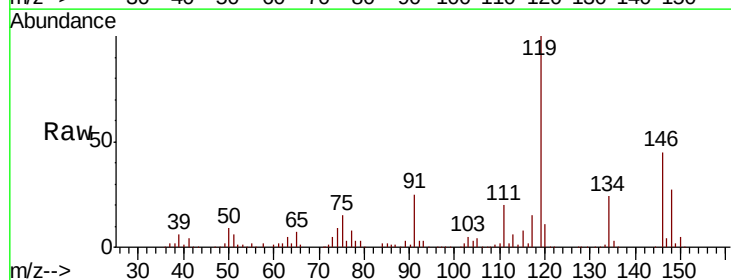
Tgt Ion:119 Resp: 80243

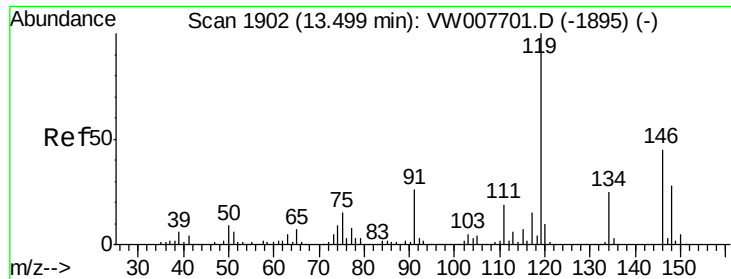
Ion Ratio Lower Upper

119 100

134 24.4 13.0 39.0

91 24.6 12.8 38.4





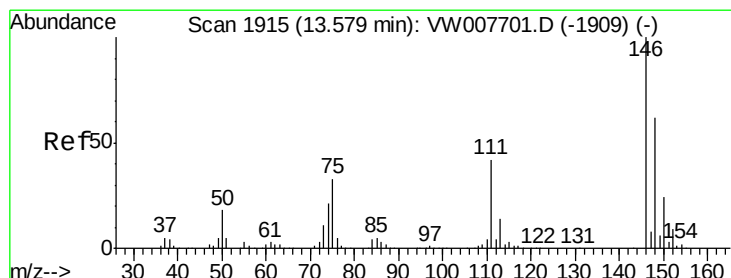
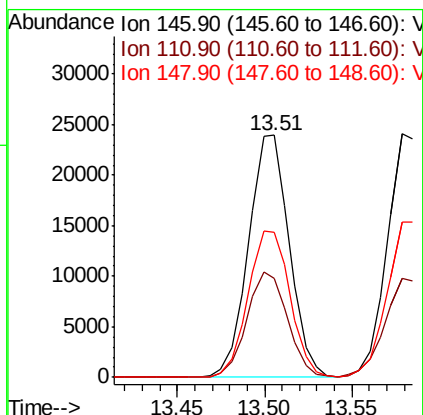
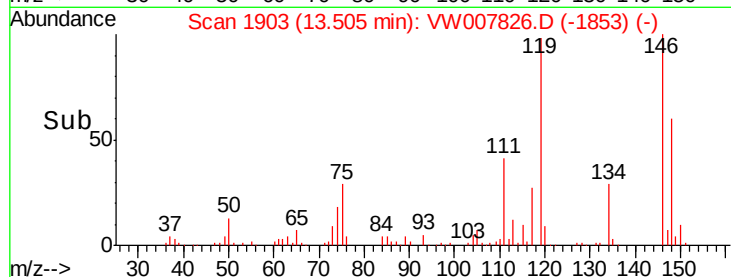
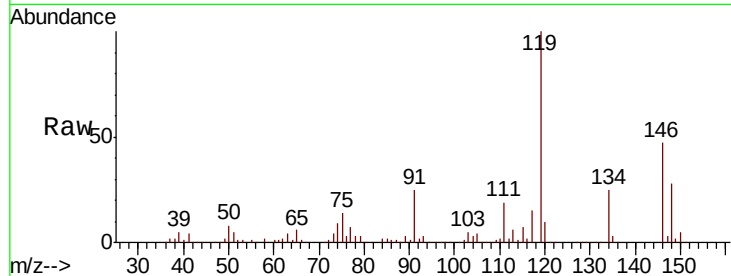
#87
 1,3-Dichlorobenzene
 Concen: 22.575 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.4
148	62.3	32.1	96.5

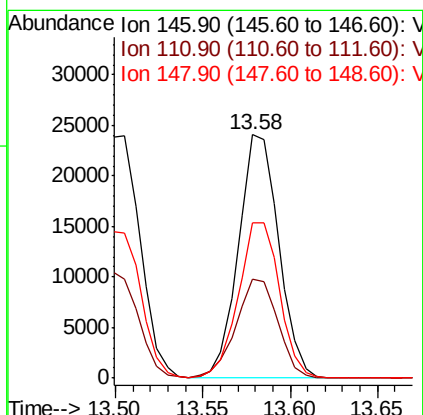
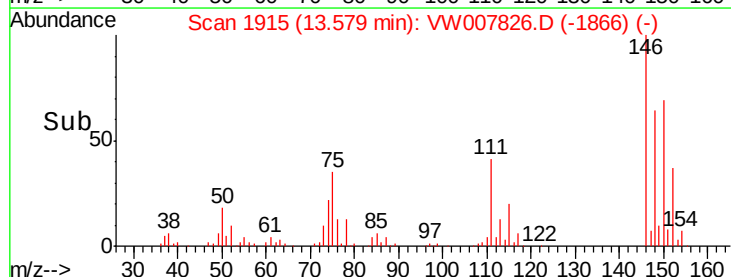
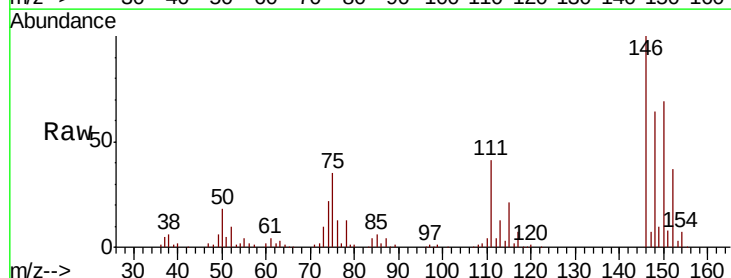
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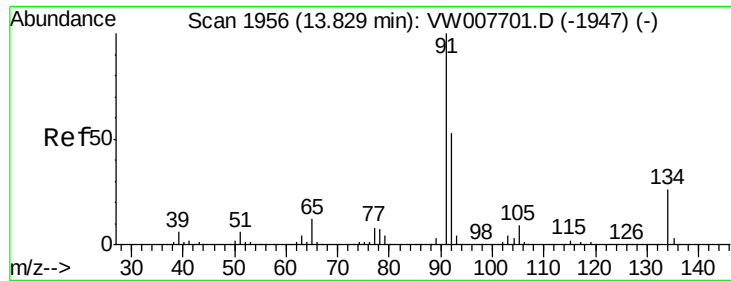
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#88
 1,4-Dichlorobenzene
 Concen: 22.331 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.0	63.0
148	65.5	31.8	95.4





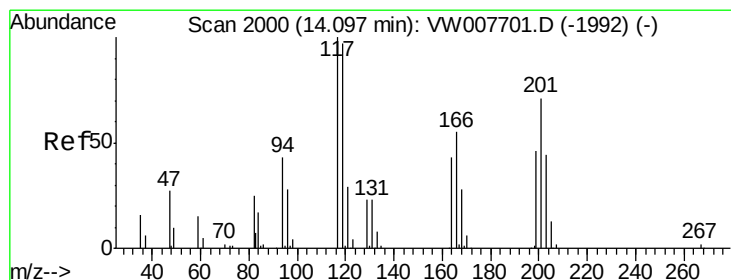
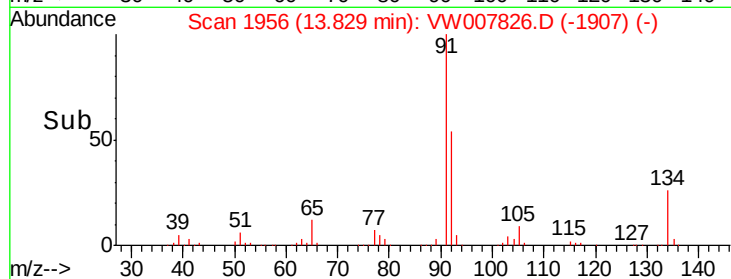
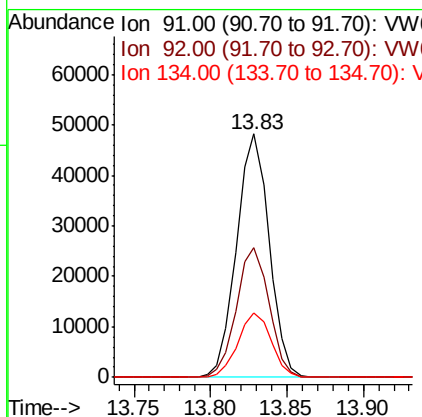
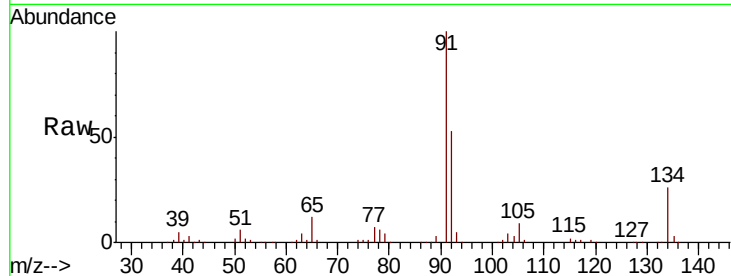
#89
n-Butylbenzene
Concen: 21.505 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.2
134	27.0	13.7	41.0

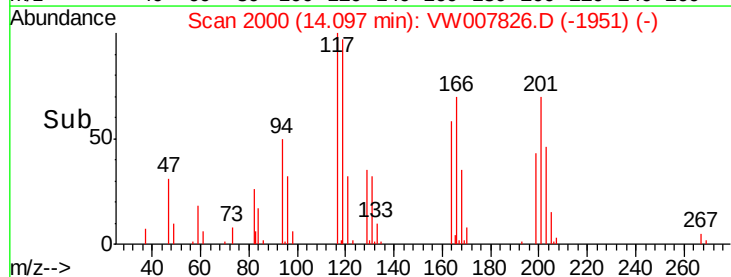
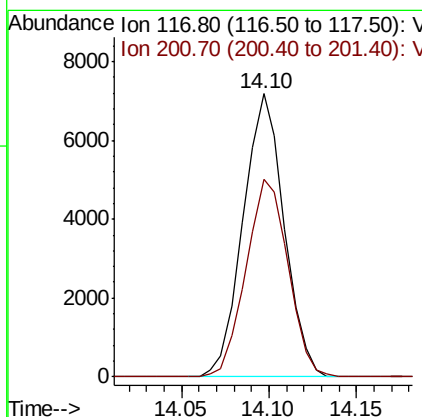
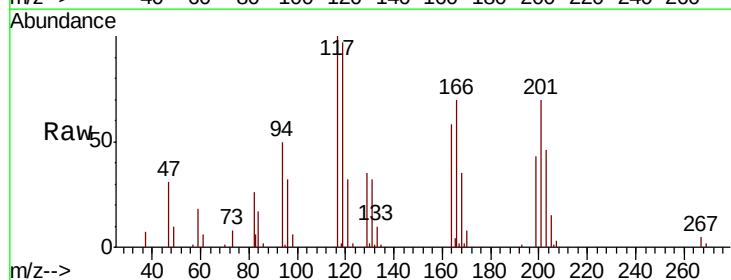
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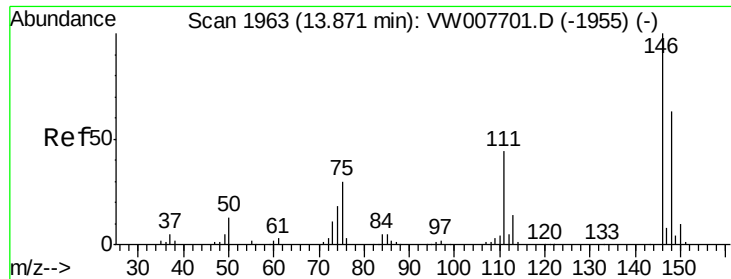
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#90
Hexachloroethane
Concen: 18.433 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.8	36.2	108.6





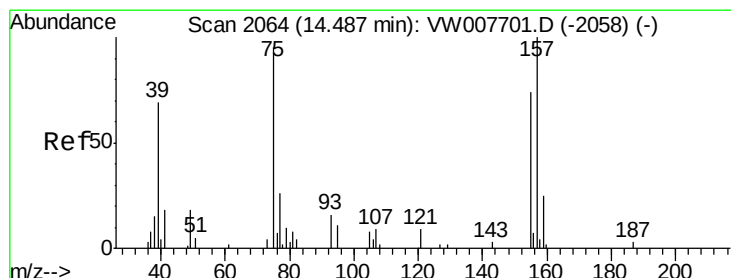
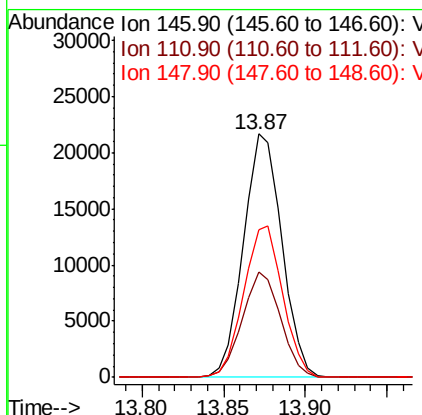
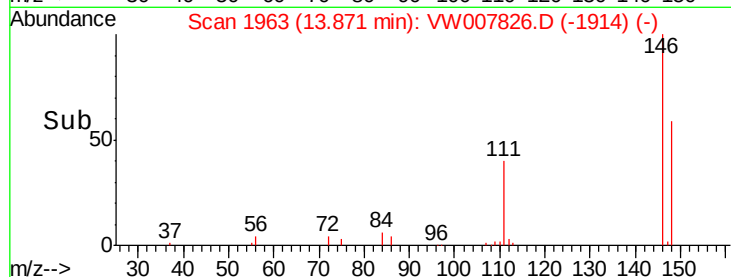
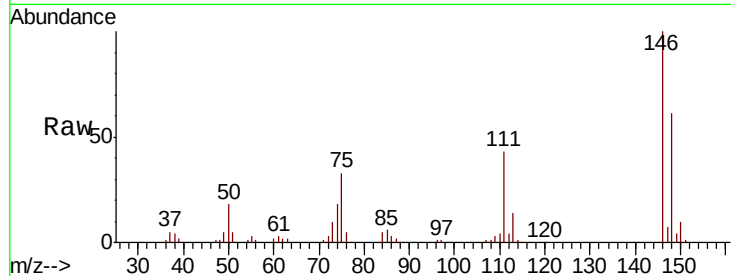
#91
 1,2-Dichlorobenzene
 Concen: 22.950 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.7	65.1
148	63.0	32.1	96.5

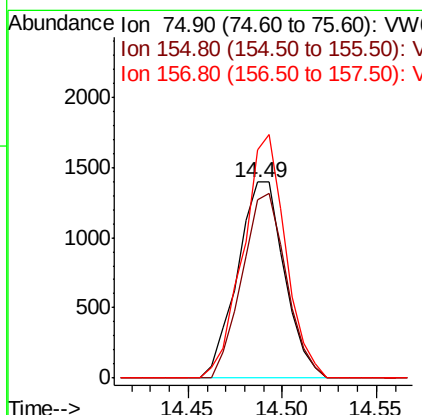
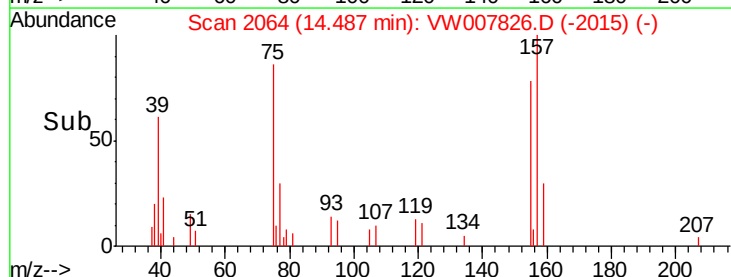
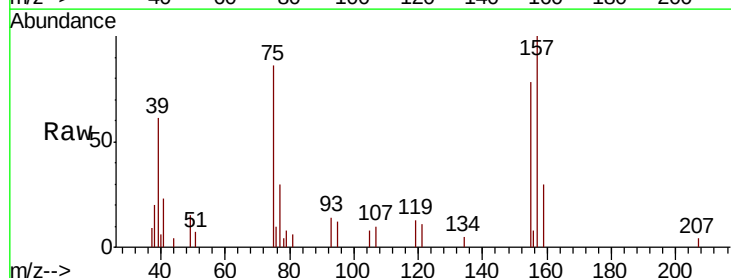
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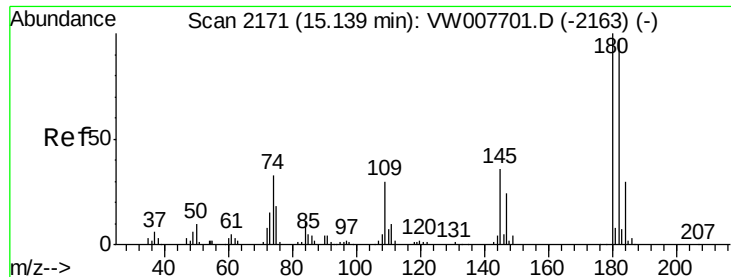
MMDadoda
 12/26/2018 11:00:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.592 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007826.D
 Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	39.4	118.1
157	112.1	52.0	156.0





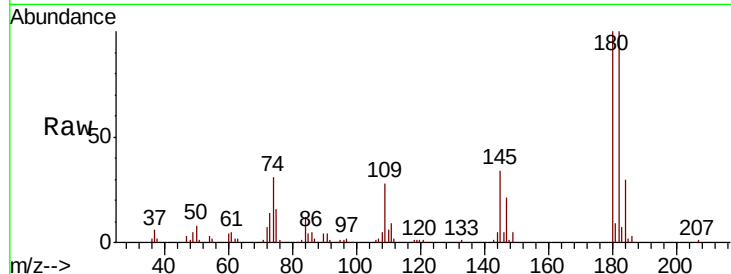
#93
1,2,4-Trichlorobenzene
Concen: 22.268 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	23976		
182	94.9	47.5	142.6	
145	34.6	17.5	52.5	

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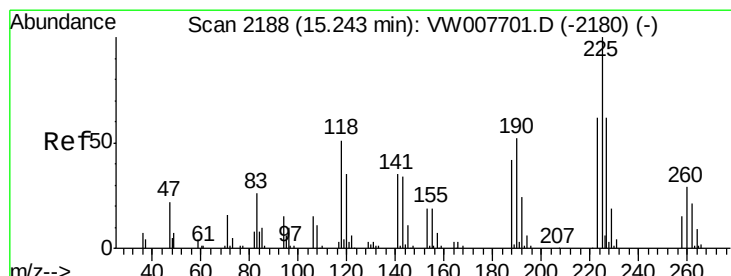
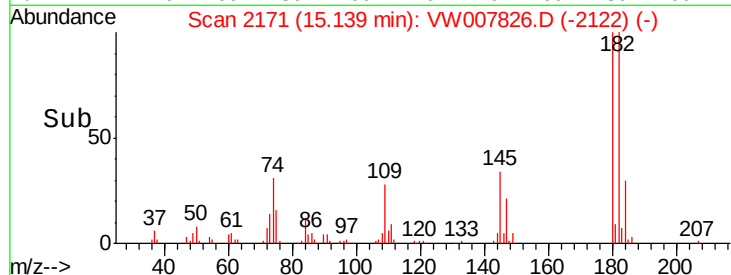
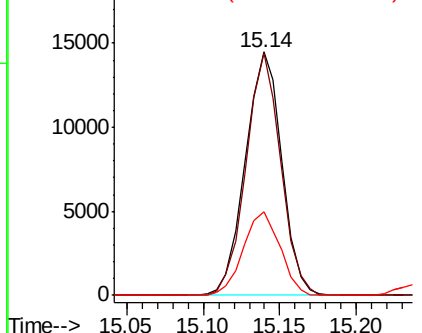


Abundance

Ion 179.80 (179.50 to 180.50): V

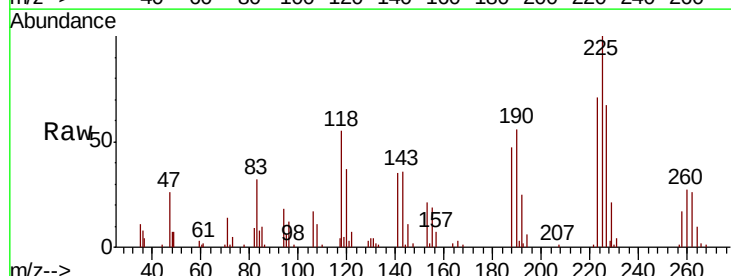
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.860 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007826.D
Acq: 22 Dec 2018 07:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	12003		
223	66.8	31.6	94.8	
227	66.0	32.1	96.3	

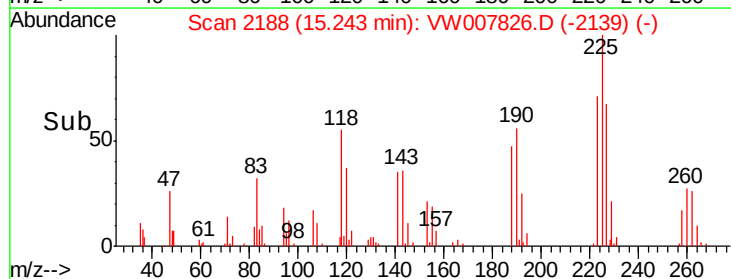
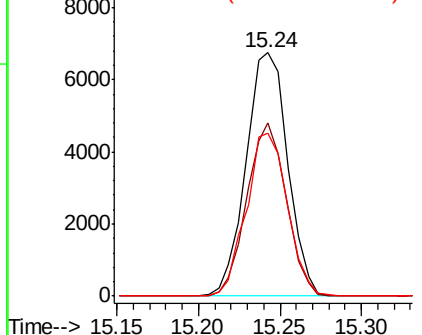


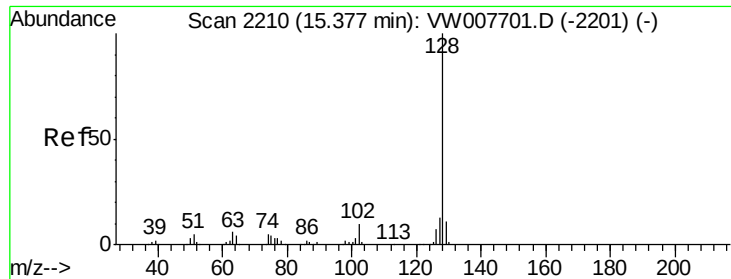
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 25.496 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Instrument :

MSVOA_W

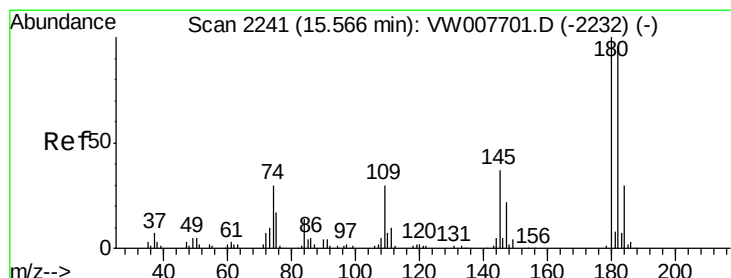
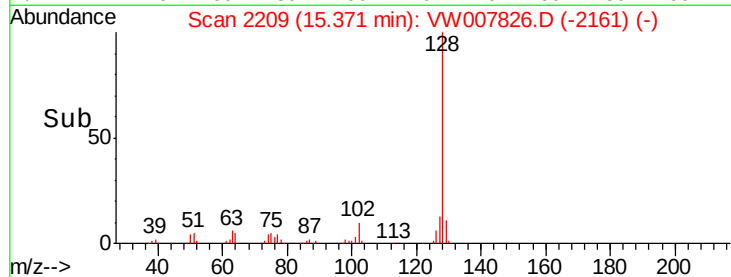
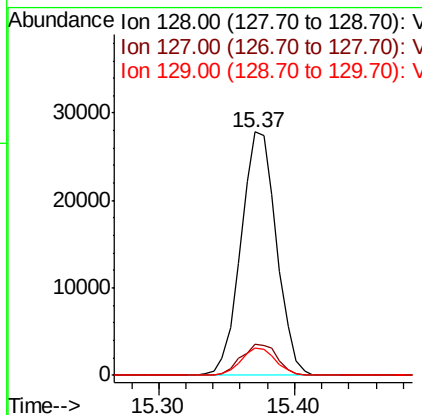
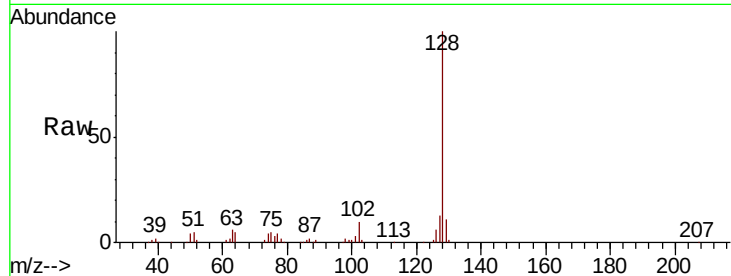
ClientSampleId :

VW1223SBS02

Tot Ion:	128	Resp:	50753
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.7	16.1
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 11:00:16 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.954 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007826.D

Acq: 22 Dec 2018 07:31

Tgt Ion:	180	Resp:	21156
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.4	142.2
145	37.0	18.4	55.0

