

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007799.D
 Acq On : 21 Dec 2018 17:12
 Operator : SY/AP
 Sample : VW1223SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:58:52 AM

Quant Time: Dec 22 00:08:53 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	83634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	133989	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	119266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	60097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42387	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
35) Dibromofluoromethane	7.88	113	39620	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.32	98	155728	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.62	95	59302	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12646	17.009	ug/l	99
3) Chloromethane	2.21	50	9209	20.171	ug/l	94
4) Vinyl Chloride	2.37	62	11916	20.504	ug/l	97
5) Bromomethane	2.78	94	7692	19.003	ug/l	95
6) Chloroethane	2.92	64	6356	20.443	ug/l	96
7) Trichlorofluoromethane	3.24	101	8113	13.409	ug/l	98
8) Diethyl Ether	3.67	74	7651	20.645	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	16240	18.225	ug/l	98
10) Methyl Iodide	4.27	142	25184	17.772	ug/l	96
11) Tert butyl alcohol	5.17	59	5953	96.270	ug/l #	73
12) 1,1-Dichloroethene	4.03	96	15839	19.195	ug/l	94
13) Acrolein	3.88	56	4229	85.535	ug/l	100
14) Allyl chloride	4.65	41	21473	19.844	ug/l	95
15) Acrylonitrile	5.36	53	15533	98.257	ug/l	99
16) Acetone	4.12	43	16428	95.704	ug/l	97
17) Carbon Disulfide	4.37	76	42027	16.459	ug/l	99
18) Methyl Acetate	4.66	43	8252	20.214	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	24144	20.381	ug/l	98
20) Methylene Chloride	4.90	84	17187	15.695	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	17047	18.784	ug/l	97
22) Diisopropyl ether	6.31	45	42157	20.807	ug/l	98
23) Vinyl Acetate	6.25	43	121149	100.640	ug/l	96
24) 1,1-Dichloroethane	6.21	63	28877	19.373	ug/l	99
25) 2-Butanone	7.17	43	19866	98.807	ug/l	96
26) 2,2-Dichloropropane	7.17	77	20480	18.776	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	18461	19.094	ug/l	97
28) Bromochloromethane	7.51	49	10466	20.594	ug/l	96
29) Tetrahydrofuran	7.53	42	12588	104.963	ug/l	96
30) Chloroform	7.67	83	31350	18.585	ug/l	95
31) Cyclohexane	7.95	56	27090	19.852	ug/l #	91
32) 1,1,1-Trichloroethane	7.87	97	27486	17.891	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25220	19.502	ug/l	100
37) Ethyl Acetate	7.25	43	8781	19.675	ug/l	97
38) Carbon Tetrachloride	8.06	117	24951	16.382	ug/l	95

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MMDadoda
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Quant Time: Dec 22 00:08:53 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)
39) Methylcyclohexane	9.34	83	31889	19.844	ug/l	94
40) Benzene	8.32	78	67500	19.560	ug/l	99
41) Methacrylonitrile	7.48	41	5392	21.279	ug/l	93
42) 1,2-Dichloroethane	8.40	62	21274	18.395	ug/l	99
43) Isopropyl Acetate	8.43	43	18309	20.476	ug/l	97
44) Trichloroethene	9.09	130	19448	18.635	ug/l	98
45) 1,2-Dichloropropane	9.37	63	15669	20.463	ug/l	100
46) Dibromomethane	9.46	93	8608	18.262	ug/l	97
47) Bromodichloromethane	9.64	83	21228	17.131	ug/l	96
48) Methyl methacrylate	9.43	41	9005	20.176	ug/l	96
49) 1,4-Dioxane	9.45	88	2917	390.322	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	42126	99.687	ug/l	98
52) Toluene	10.38	92	46667	20.155	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	23007	18.666	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	26382	19.378	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	12582	19.362	ug/l	97
56) Ethyl methacrylate	10.65	69	15551	20.255	ug/l	95
57) 1,3-Dichloropropane	10.93	76	21259	19.701	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	41749	119.099	ug/l	98
59) 2-Hexanone	10.97	43	30425	102.376	ug/l	98
60) Dibromochloromethane	11.13	129	14052	16.332	ug/l	99
61) 1,2-Dibromoethane	11.24	107	12240	18.600	ug/l	99
64) Tetrachloroethene	10.86	164	16066	19.023	ug/l	98
65) Chlorobenzene	11.66	112	50616	19.608	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	17076	18.513	ug/l	98
67) Ethyl Benzene	11.73	91	90440	20.417	ug/l	96
68) m/p-Xylenes	11.84	106	69650	40.533	ug/l	96
69) o-Xylene	12.17	106	33322	20.687	ug/l	98
70) Styrene	12.18	104	53367	20.156	ug/l	99
71) Bromoform	12.35	173	7590	15.851	ug/l #	97
73) Isopropylbenzene	12.47	105	93358	20.551	ug/l	98
74) N-amyl acetate	12.27	43	16622	21.125	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13445	19.740	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	10458m	22.515	ug/l	
77) Bromobenzene	12.75	156	20606	19.793	ug/l	97
78) n-propylbenzene	12.80	91	108752	20.566	ug/l	100
79) 2-Chlorotoluene	12.90	91	63103	20.485	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	81536	20.809	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4180	18.890	ug/l	98
82) 4-Chlorotoluene	12.99	91	66931	20.406	ug/l	99
83) tert-Butylbenzene	13.21	119	71754	20.870	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	84298	21.320	ug/l	98
85) sec-Butylbenzene	13.39	105	98822	20.856	ug/l	99
86) p-Isopropyltoluene	13.50	119	90649	21.039	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	41196	19.930	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	41100	19.878	ug/l	99
89) n-Butylbenzene	13.83	91	83596	21.161	ug/l	99
90) Hexachloroethane	14.10	117	12554	16.597	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	36673	19.816	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2347	16.779	ug/l	93

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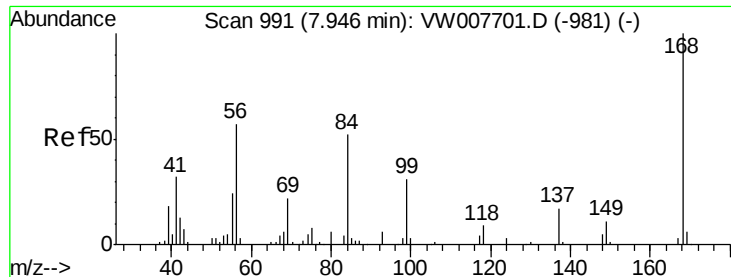
Manual Integrations
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MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 06:30:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26841	20.894	ug/l	96
94) Hexachlorobutadiene	15.24	225	14375	20.938	ug/l	98
95) Naphthalene	15.38	128	52067	21.922	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	22407	20.376	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion:168 Resp: 83634

Ion Ratio Lower Upper

168 100

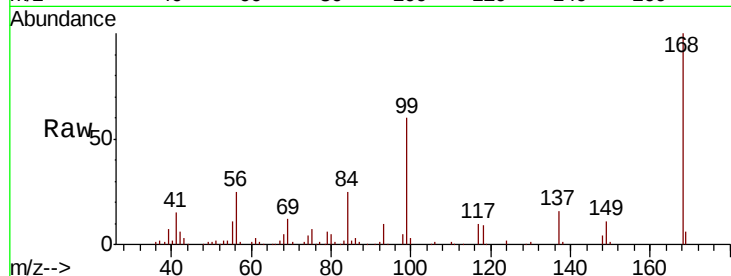
99 60.3 54.0 81.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

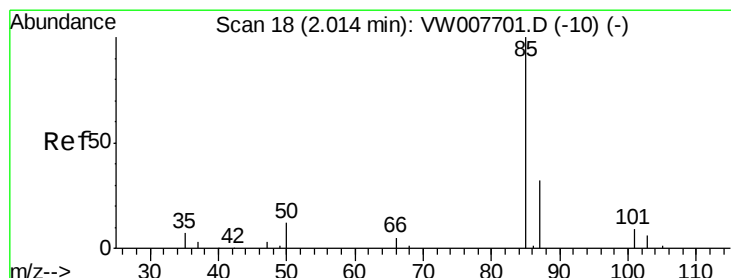
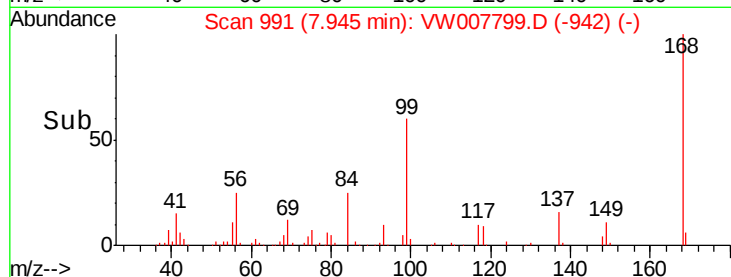
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 17.009 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007799.D

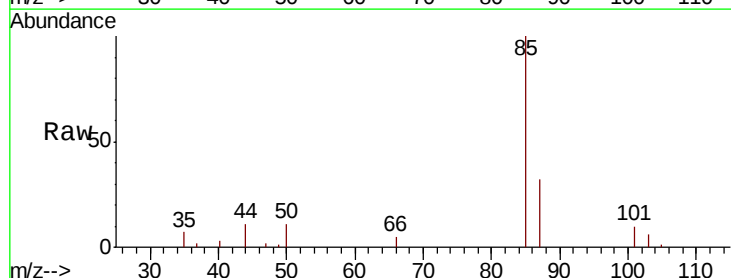
Acq: 21 Dec 2018 17:12

Tgt Ion: 85 Resp: 12646

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

3000

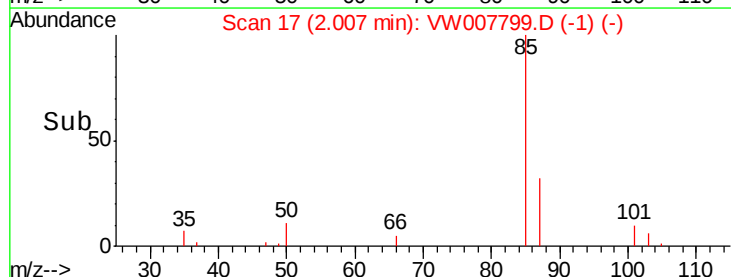
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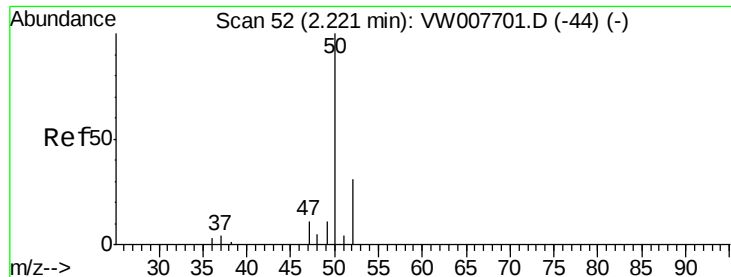
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.171 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 50 Resp: 9209

Ion Ratio Lower Upper

50 100

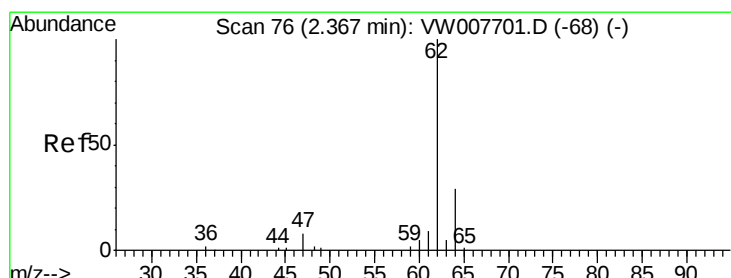
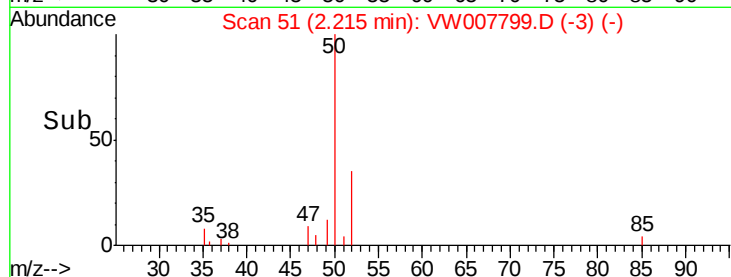
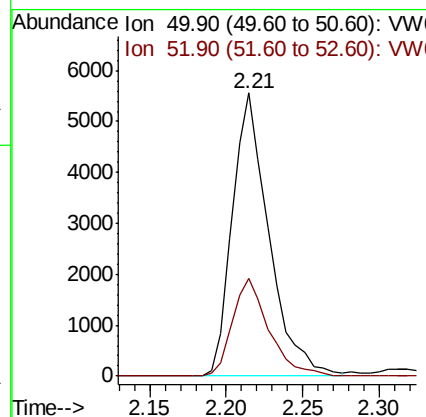
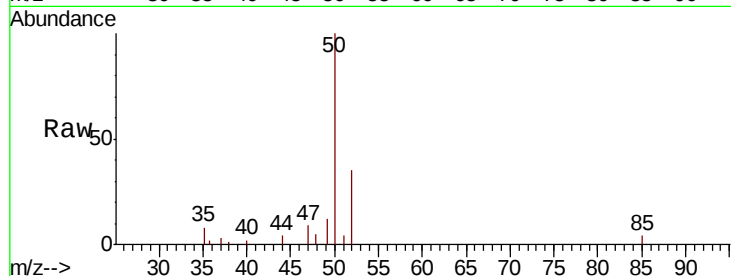
52 34.5 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.504 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007799.D

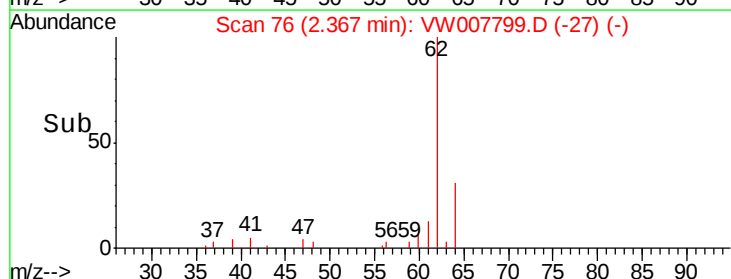
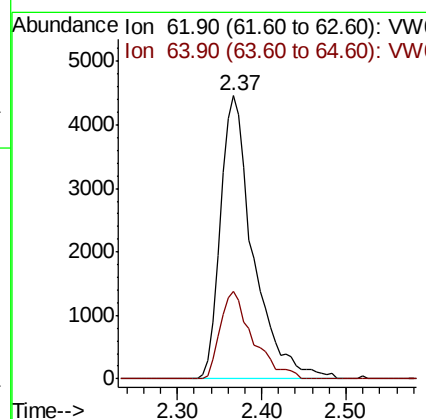
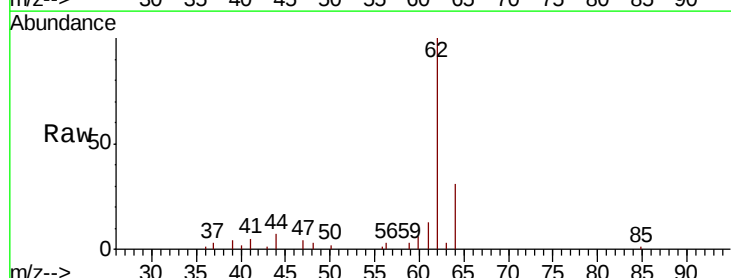
Acq: 21 Dec 2018 17:12

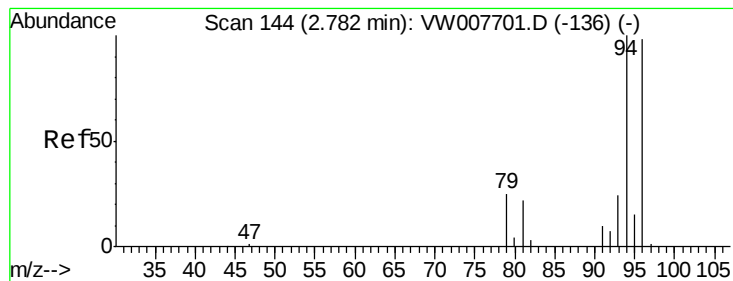
Tgt Ion: 62 Resp: 11916

Ion Ratio Lower Upper

62 100

64 31.1 23.4 35.0





#5

Bromomethane

Concen: 19.003 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 94 Resp: 7692

Ion Ratio Lower Upper

94 100

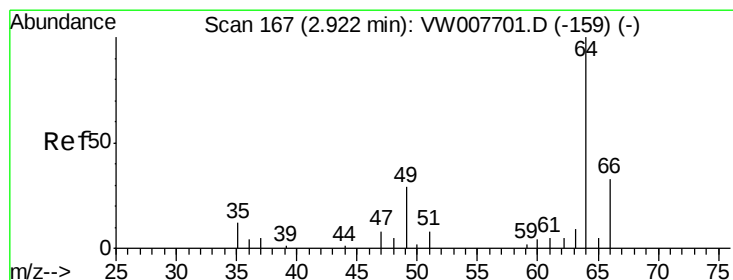
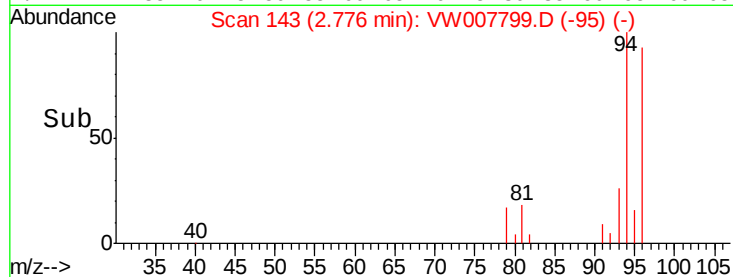
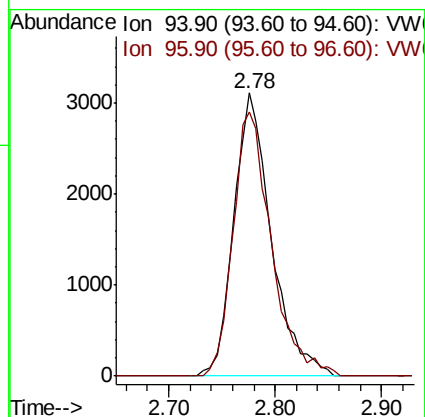
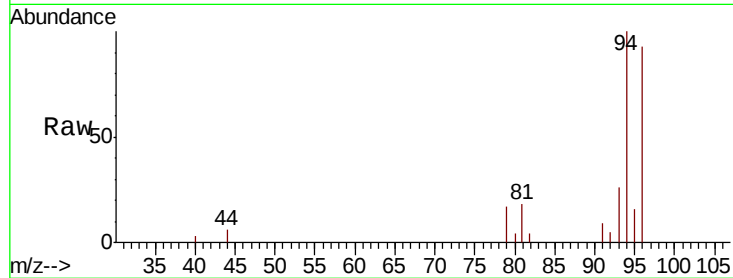
96 93.2 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 20.443 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW007799.D

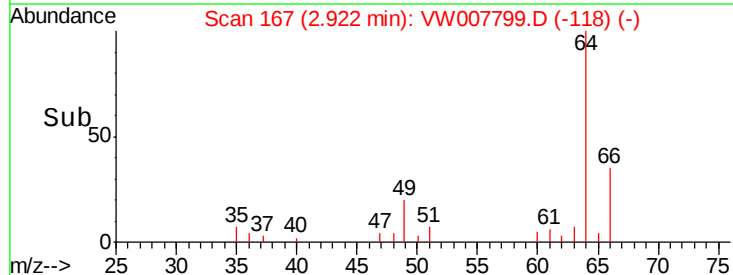
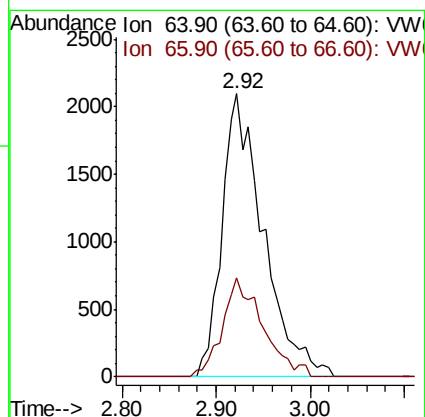
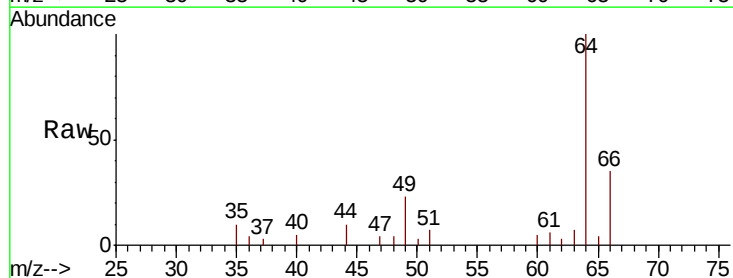
Acq: 21 Dec 2018 17:12

Tgt Ion: 64 Resp: 6356

Ion Ratio Lower Upper

64 100

66 34.9 26.2 39.4





#7

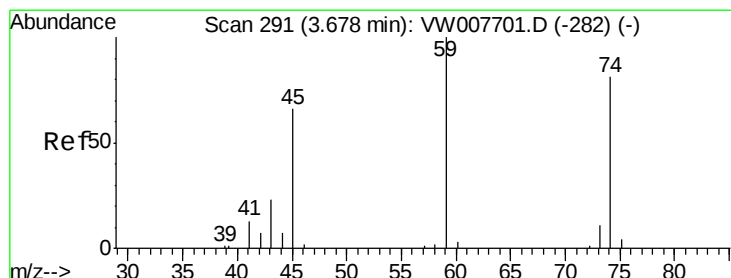
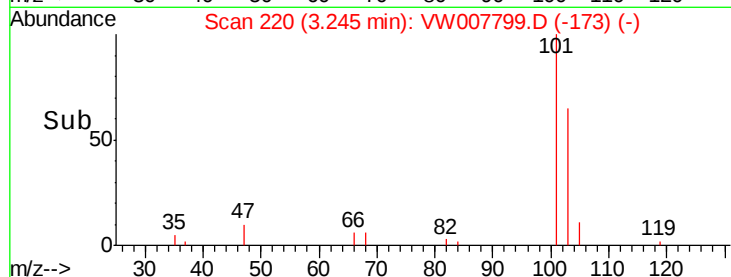
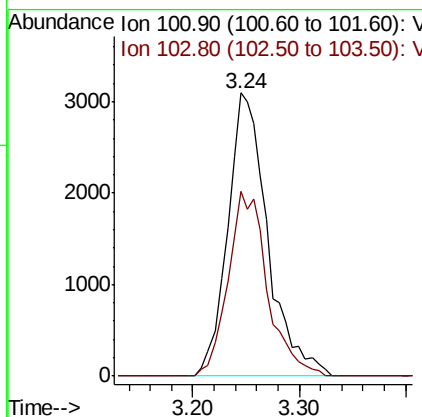
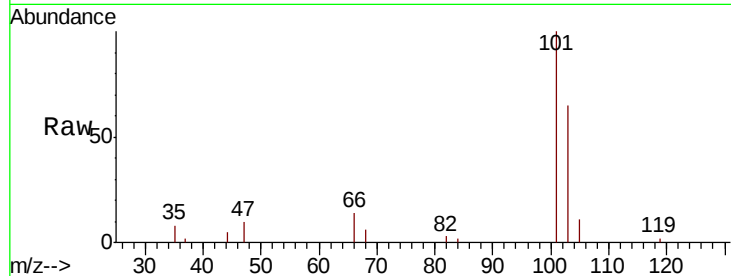
Trichlorofluoromethane
 Concen: 13.409 ug/l
 RT: 3.24 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
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 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	53.4	80.2

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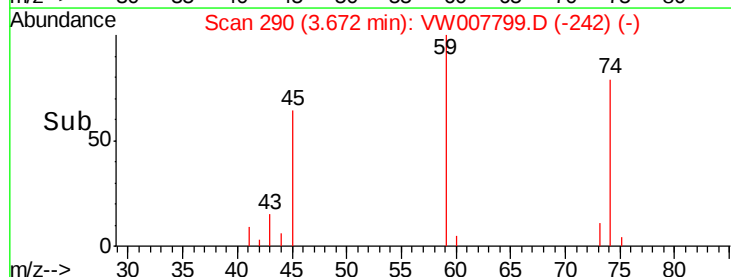
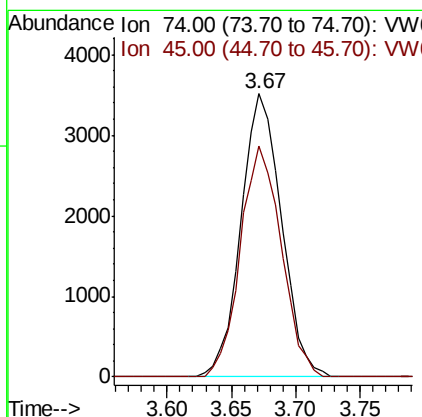
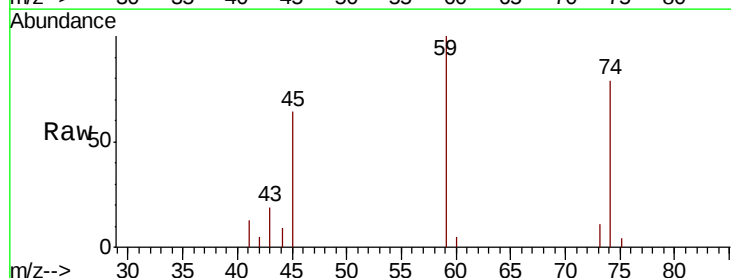
MMDadoda
 12/26/2018 10:58:52 AM

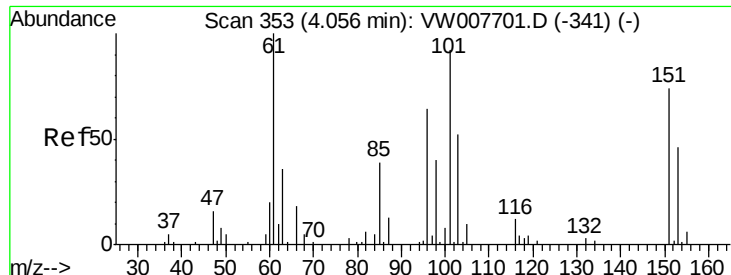


#8

Diethyl Ether
 Concen: 20.645 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.1	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.225 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

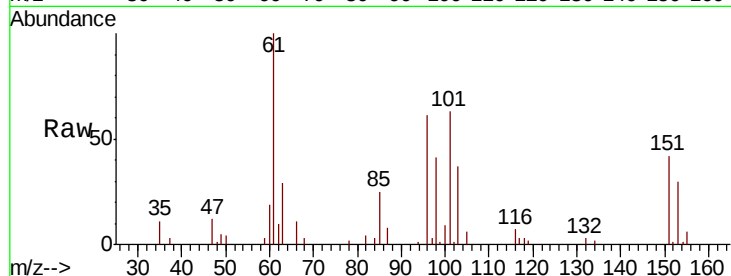
ClientSampleId :

VW1223SBS01

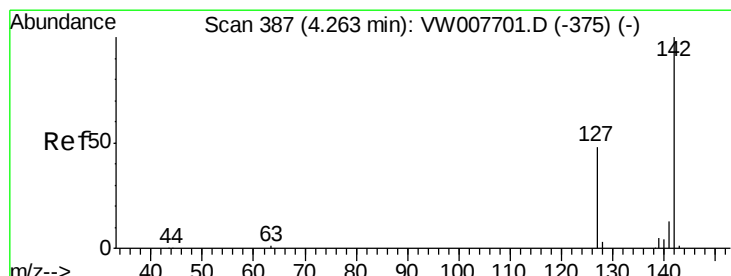
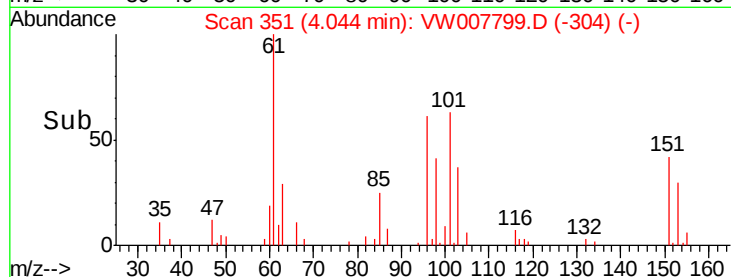
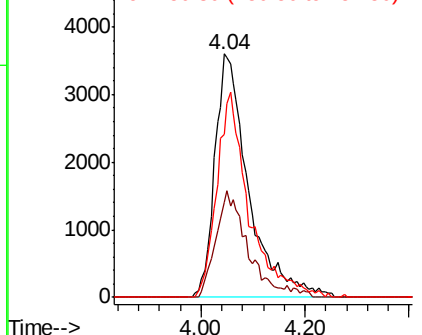
Tot Ion:	101	Resp:	16240
Ion Ratio	Lower	Upper	
101	100		
85	40.5	34.3	51.5
151	81.1	64.6	96.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.772 ug/l

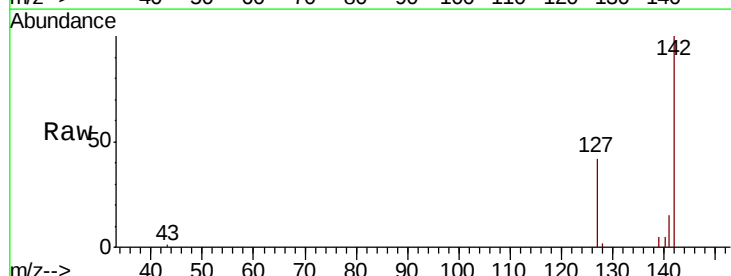
RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

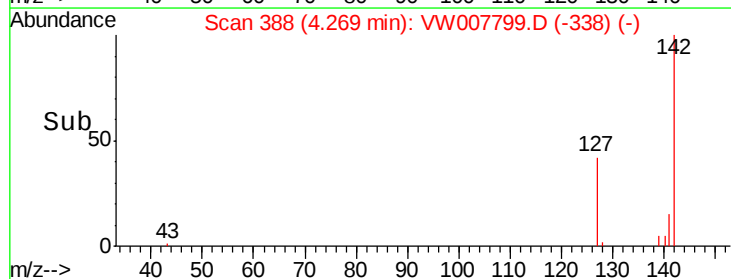
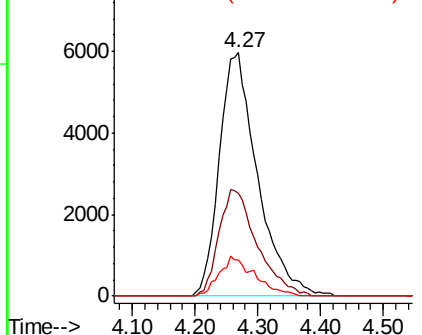
Lab File: VW007799.D

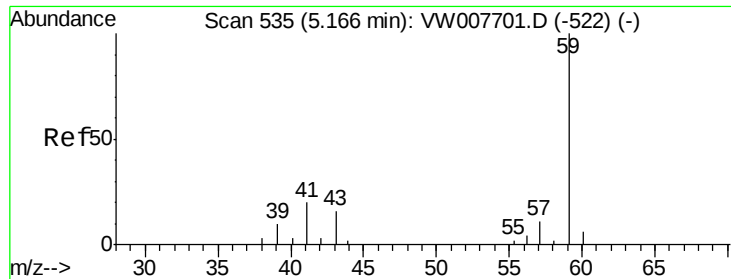
Acq: 21 Dec 2018 17:12

Tgt Ion:	142	Resp:	25184
Ion Ratio	Lower	Upper	
142	100		
127	43.7	37.7	56.5
141	15.2	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





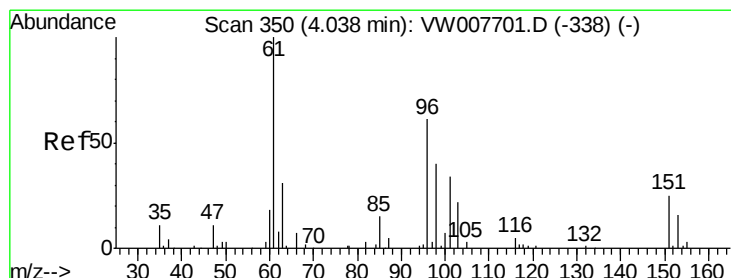
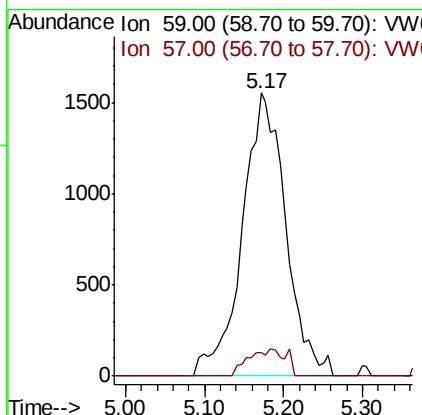
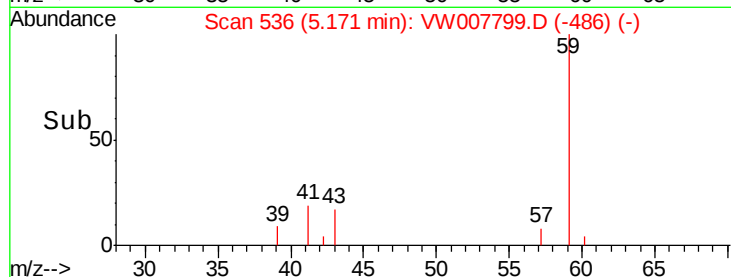
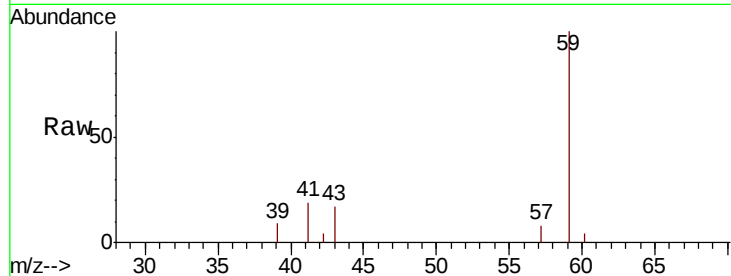
#11
Tert butyl alcohol
Concen: 96.270 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 59 Resp: 5953
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

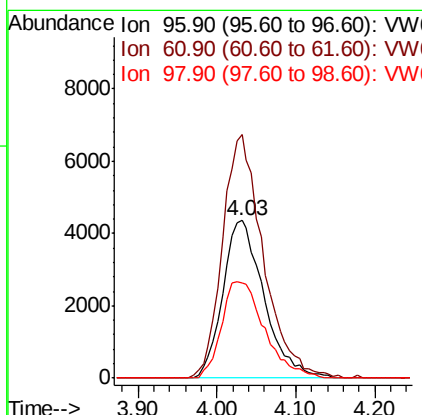
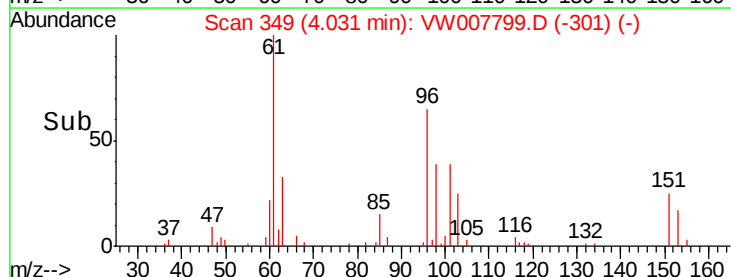
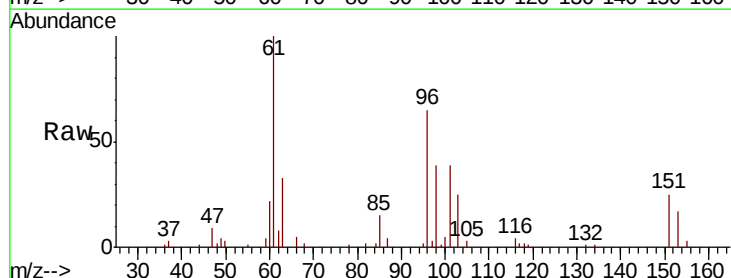
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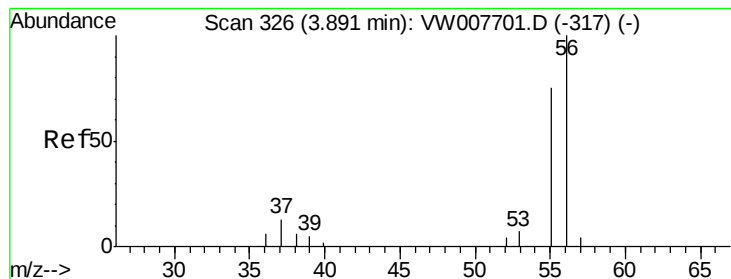
MMDadoda
12/26/2018 10:58:52 AM



#12
1,1-Dichloroethene
Concen: 19.195 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion: 96 Resp: 15839
Ion Ratio Lower Upper
96 100
61 154.8 130.6 195.8
98 60.6 52.3 78.5





#13

Acrolein

Concen: 85.535 ug/l

RT: 3.88 min Scan# 324

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 56 Resp: 4229

Ion Ratio Lower Upper

56 100

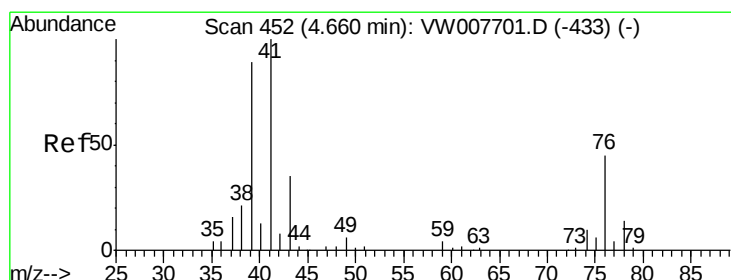
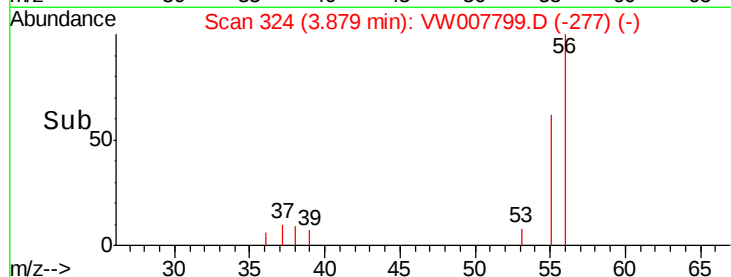
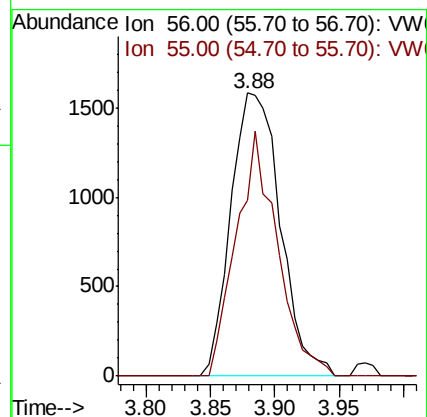
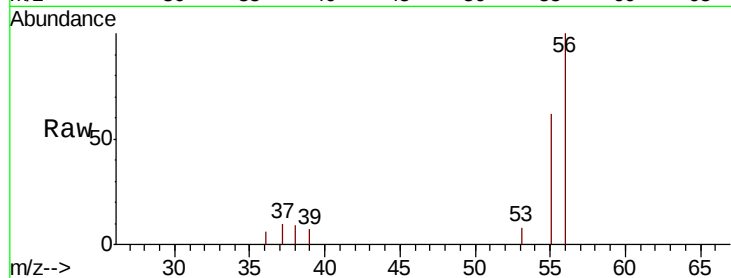
55 72.0 57.7 86.5

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#14

Allyl chloride

Concen: 19.844 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

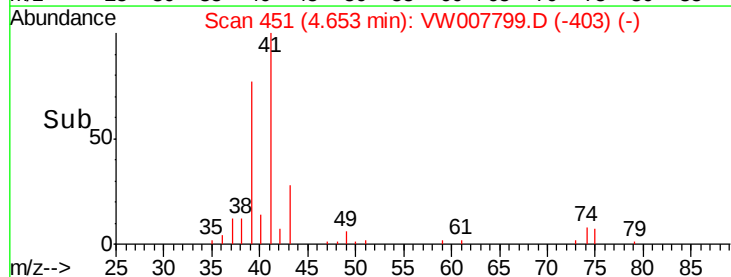
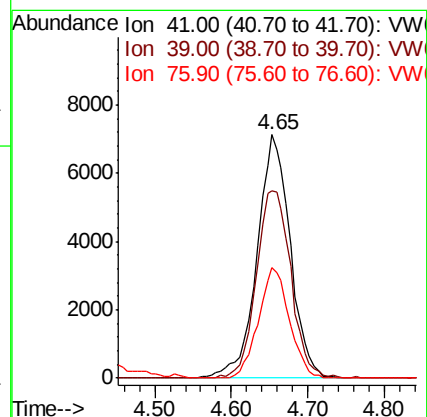
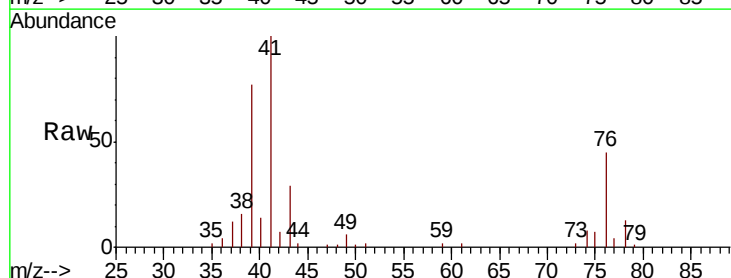
Tgt Ion: 41 Resp: 21473

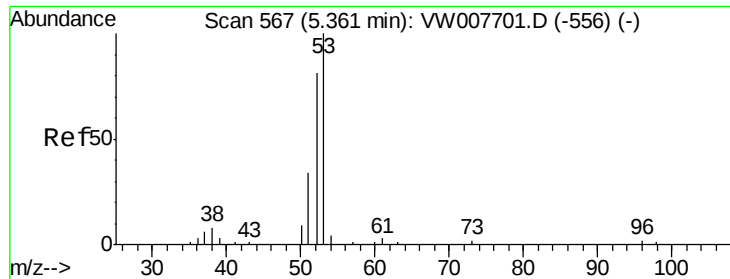
Ion Ratio Lower Upper

41 100

39 80.3 69.5 104.3

76 42.3 34.8 52.2





#15

Acrylonitrile

Concen: 98.257 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

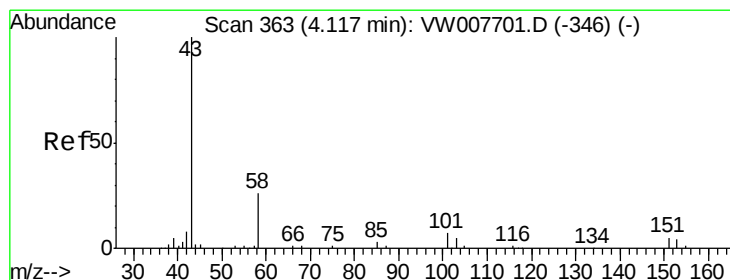
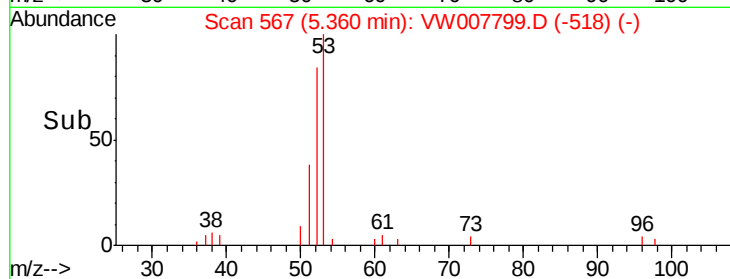
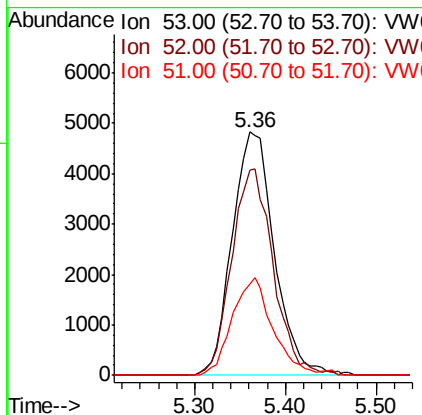
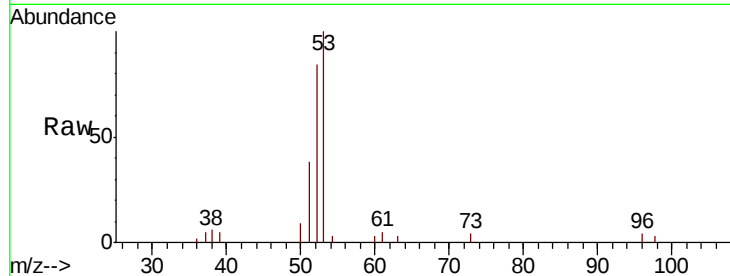
ClientSampleId :

VW1223SBS01

Tot Ion:	53	Resp:	15533
Ion	Ratio	Lower	Upper
53	100		
52	83.8	67.0	100.4
51	38.8	30.2	45.2

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#16

Acetone

Concen: 95.704 ug/l

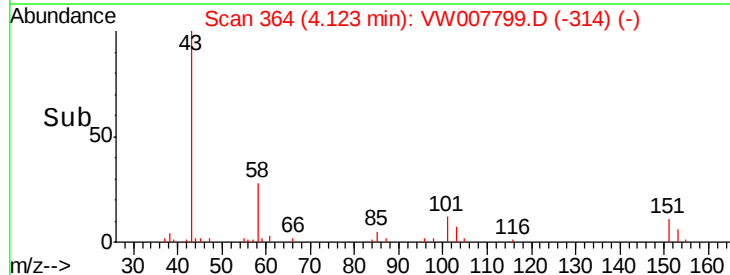
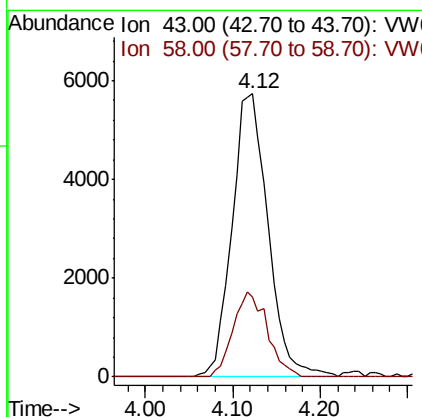
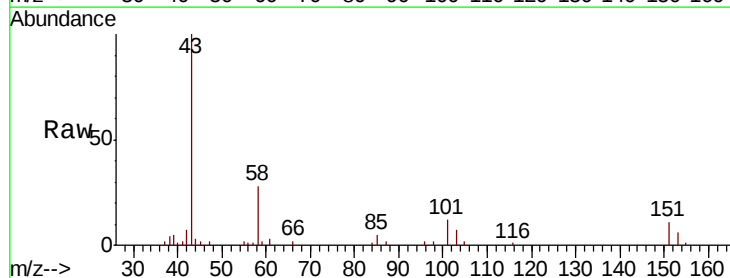
RT: 4.12 min Scan# 364

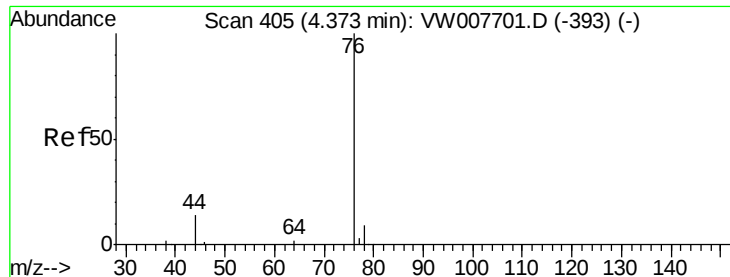
Delta R.T. 0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion:	43	Resp:	16428
Ion	Ratio	Lower	Upper
43	100		
58	28.1	21.2	31.8





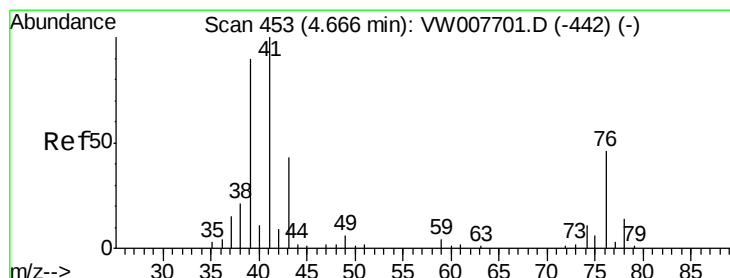
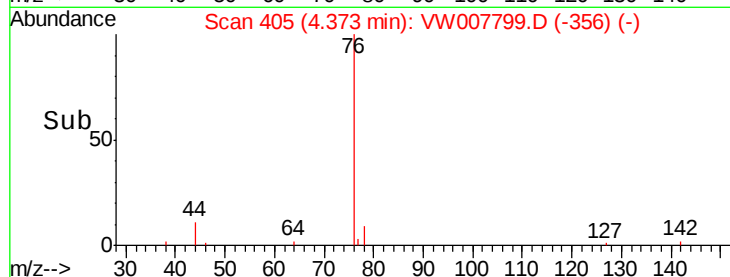
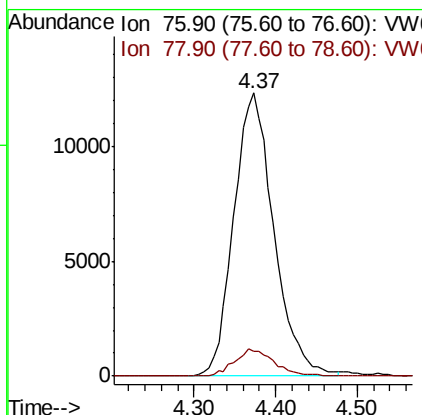
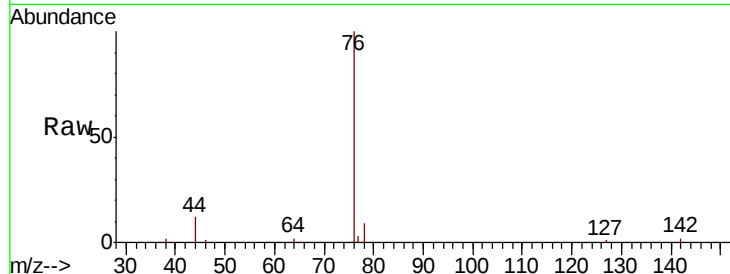
#17
Carbon Disulfide
Concen: 16.459 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

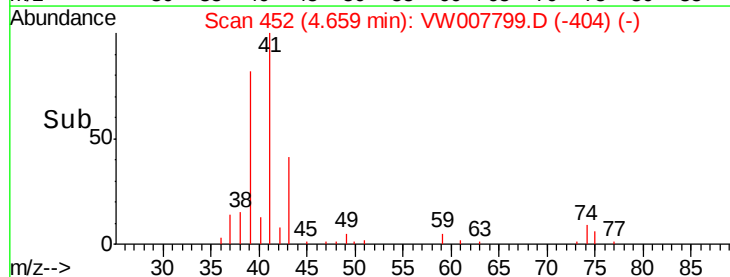
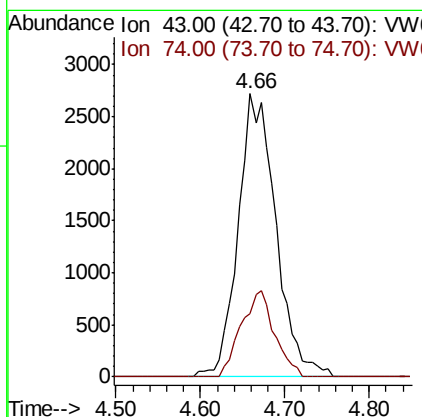
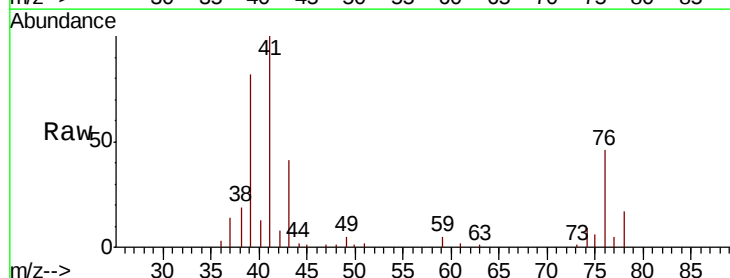
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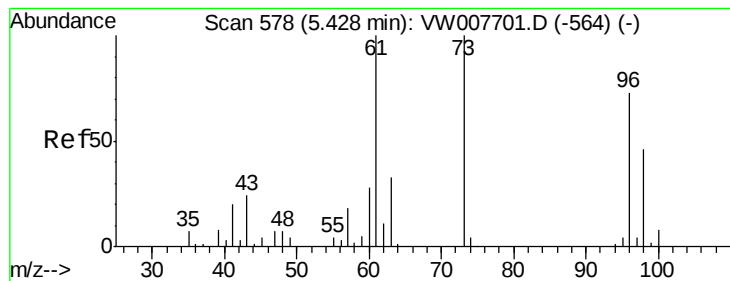
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#18
Methyl Acetate
Concen: 20.214 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.8	22.7	34.1





#19

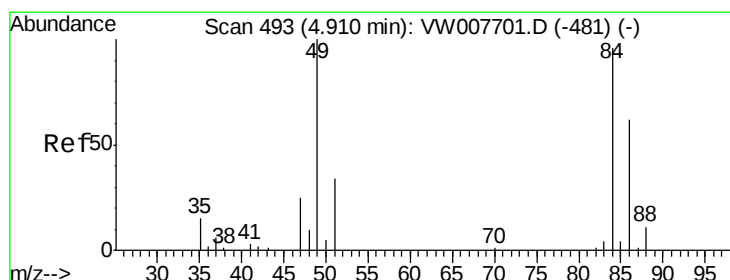
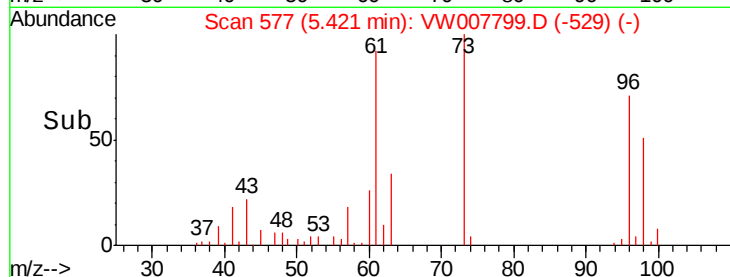
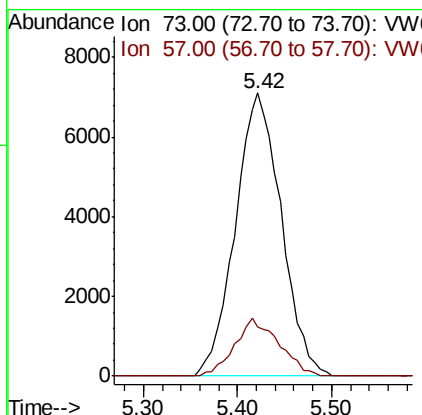
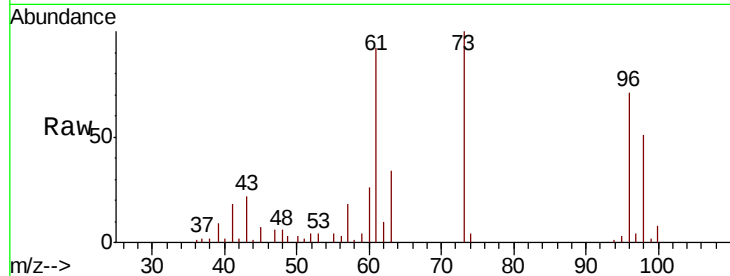
Methyl tert-butyl Ether
 Concen: 20.381 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion: 73 Resp: 24144
 Ion Ratio Lower Upper
 73 100
 57 17.6 14.7 22.1

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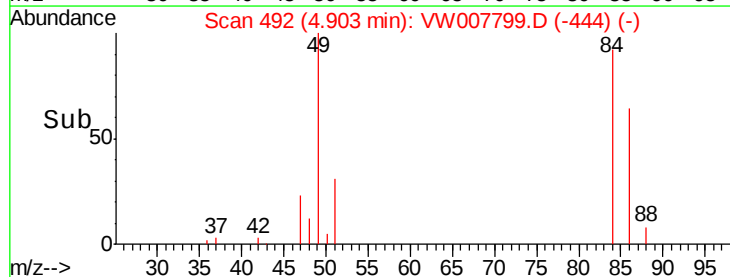
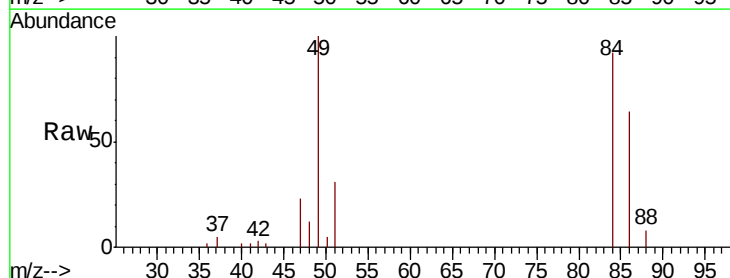
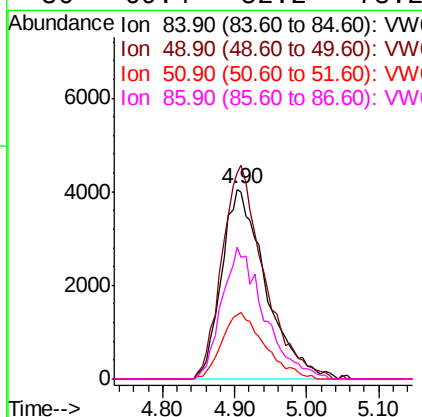
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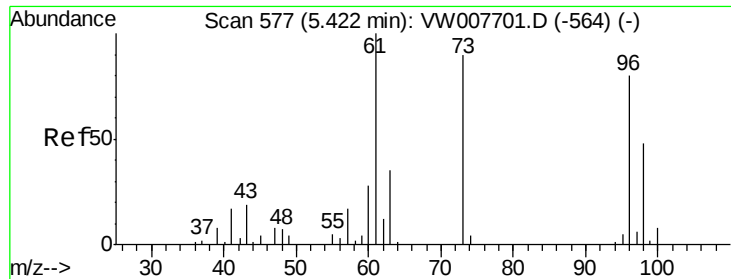


#20

Methylene Chloride
 Concen: 15.695 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 84 Resp: 17187
 Ion Ratio Lower Upper
 84 100
 49 108.3 83.7 125.5
 51 33.4 28.2 42.2
 86 69.4 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.784 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

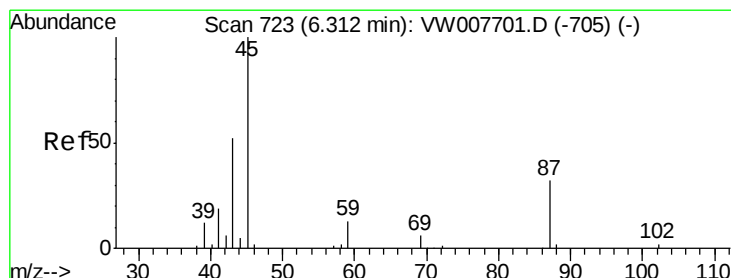
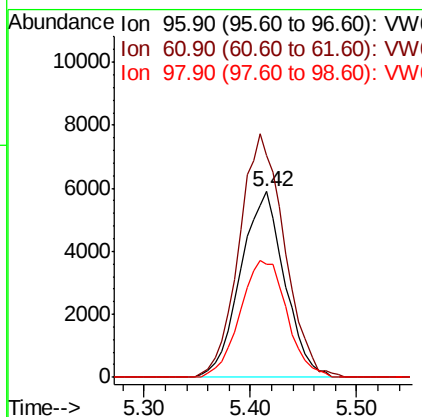
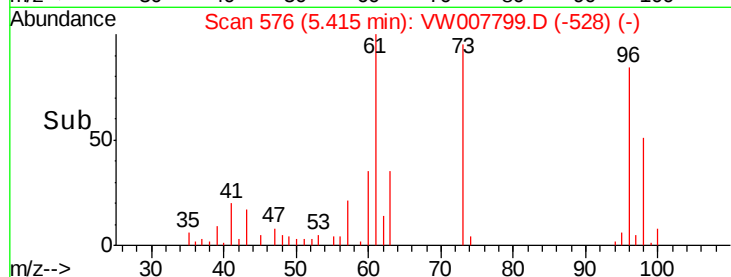
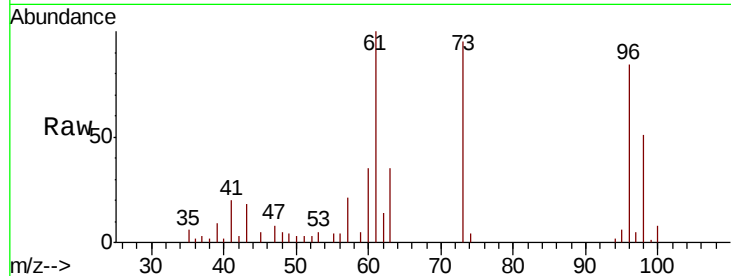
ClientSampleId :

VW1223SBS01

Tot Ion:	96	Resp:	17047
Ion	Ratio	Lower	Upper
96	100		
61	119.7	100.1	150.1
98	60.9	48.5	72.7

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#22

Diisopropyl ether

Concen: 20.807 ug/l

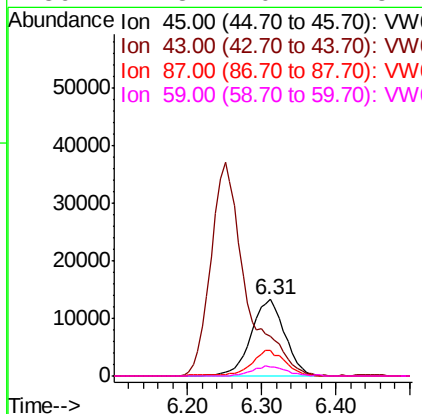
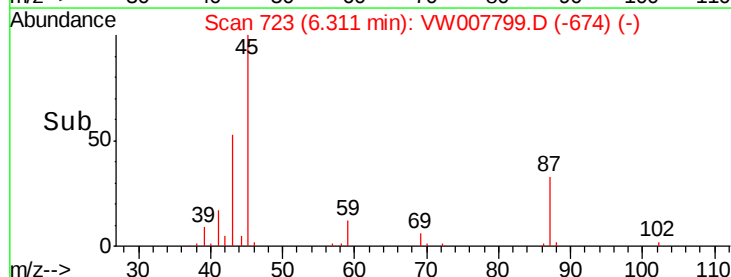
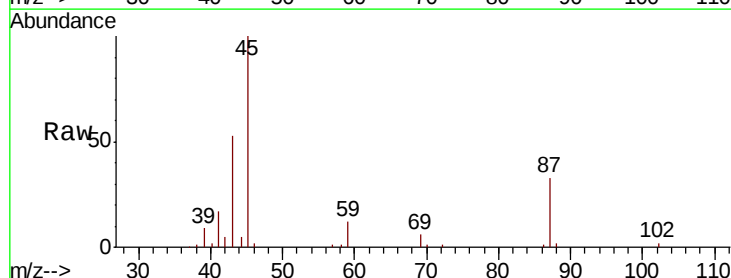
RT: 6.31 min Scan# 723

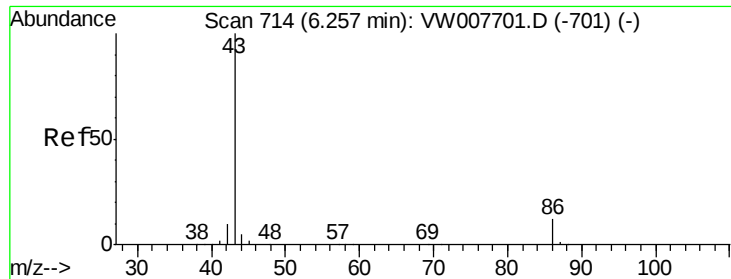
Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion:	45	Resp:	42157
Ion	Ratio	Lower	Upper
45	100		
43	51.8	43.7	65.5
87	33.2	26.6	40.0
59	11.8	10.2	15.2





#23

Vinyl Acetate

Concen: 100.640 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 43 Resp: 121149

Ion Ratio Lower Upper

43 100

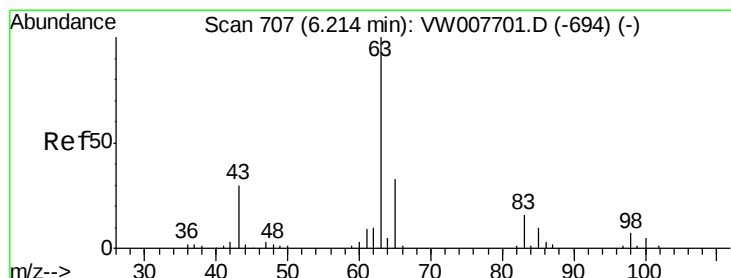
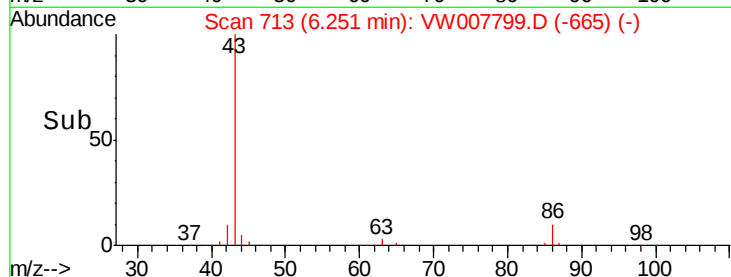
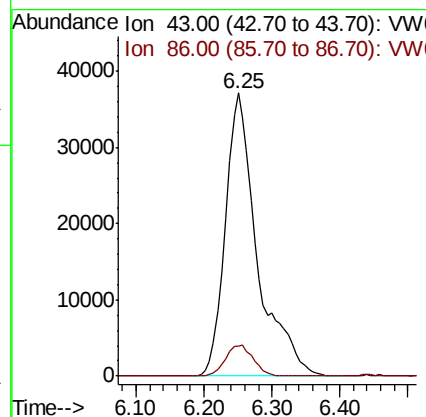
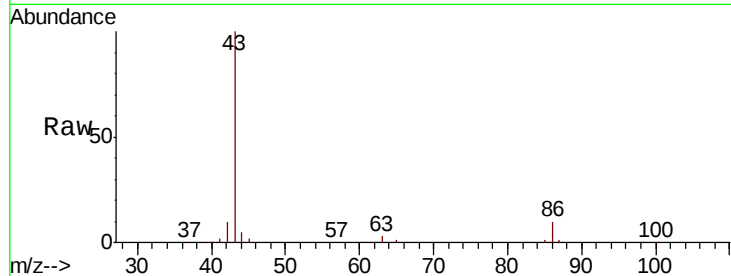
86 10.5 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 19.373 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

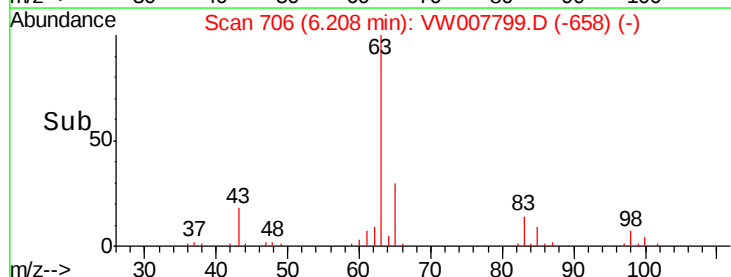
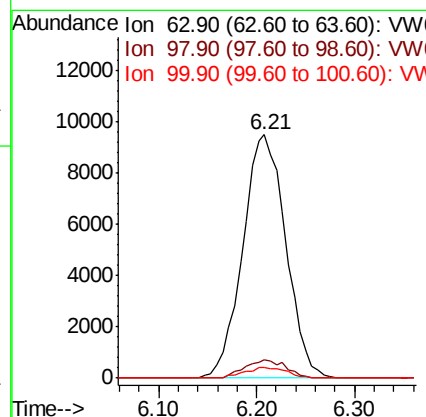
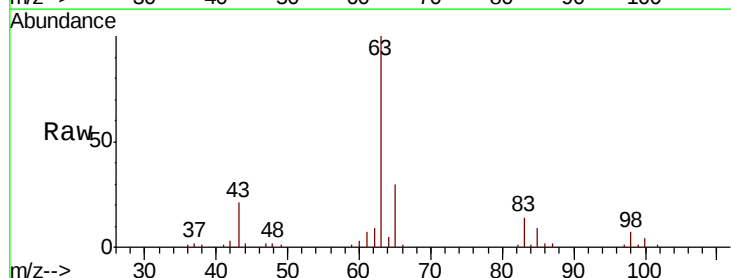
Tgt Ion: 63 Resp: 28877

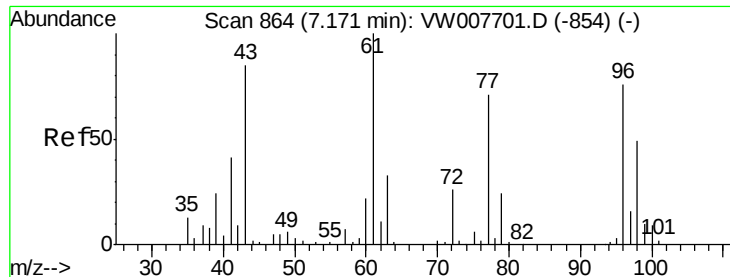
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.4 2.5 7.5





#25

2-Butanone

Concen: 98.807 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 43 Resp: 19866

Ion Ratio Lower Upper

43 100

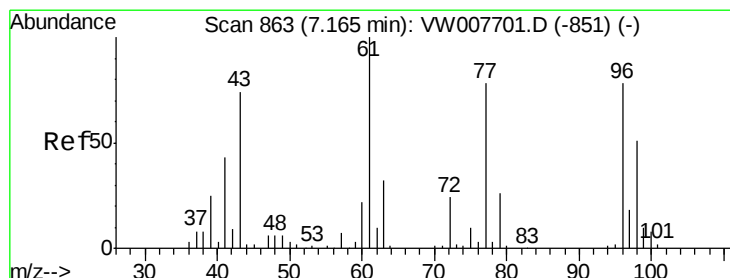
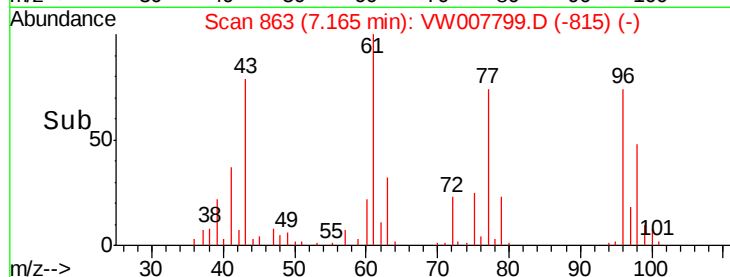
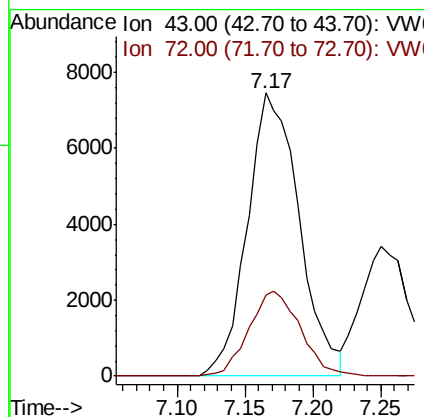
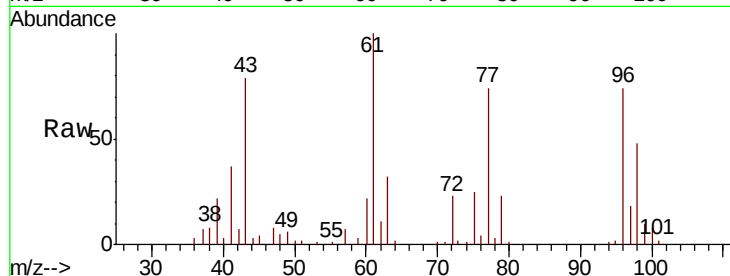
72 28.7 24.5 36.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.776 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW007799.D

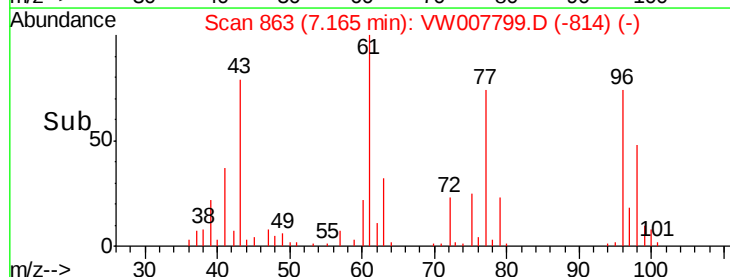
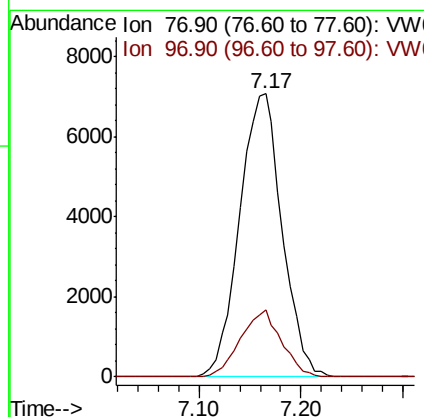
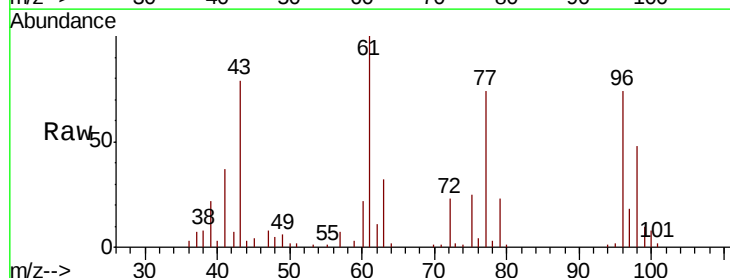
Acq: 21 Dec 2018 17:12

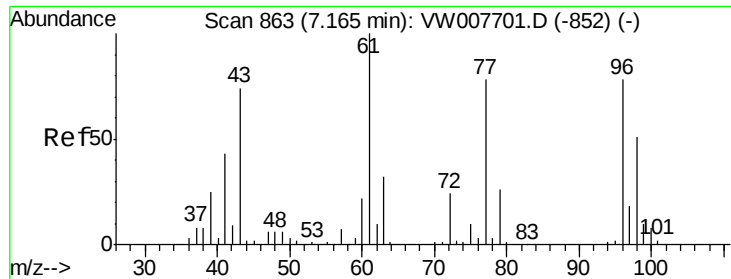
Tgt Ion: 77 Resp: 20480

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

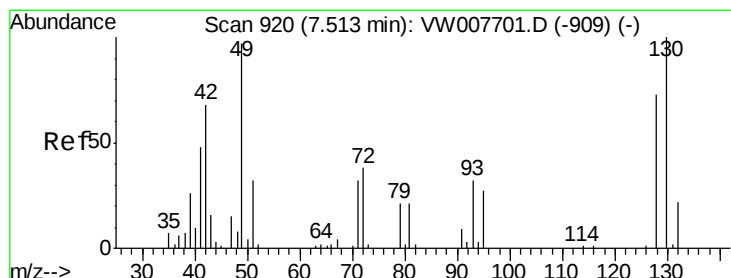
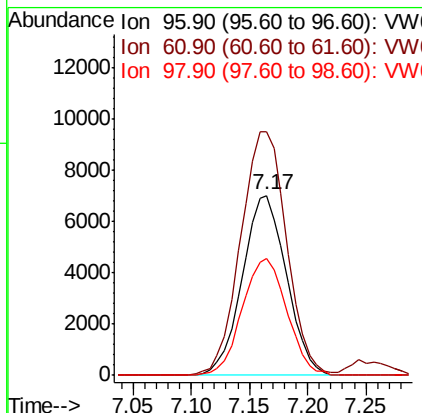
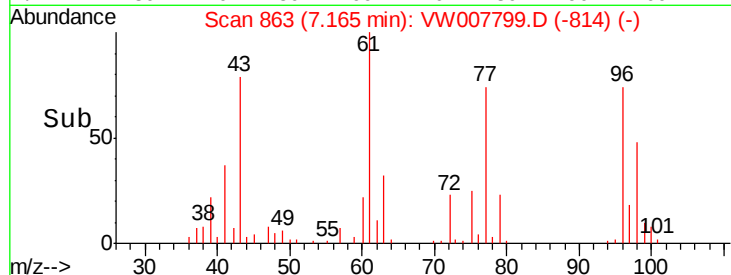
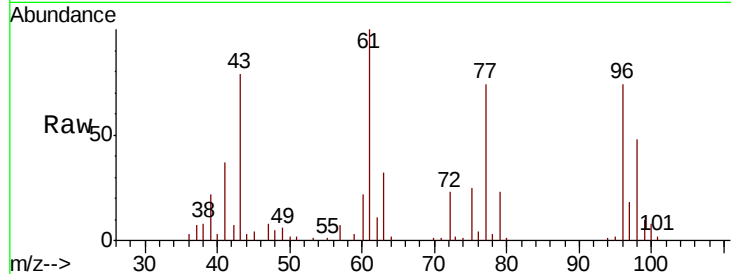
cis-1,2-Dichloroethene
Concen: 19.094 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	271.6
98	65.6	0.0	131.2

Manual Integrations
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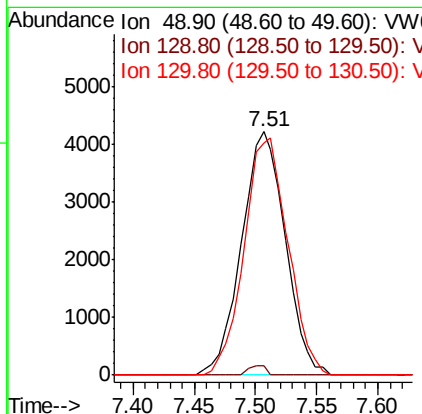
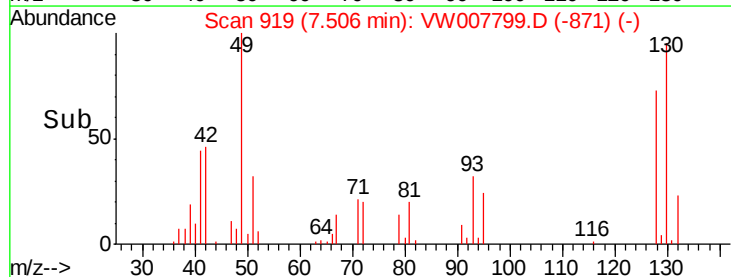
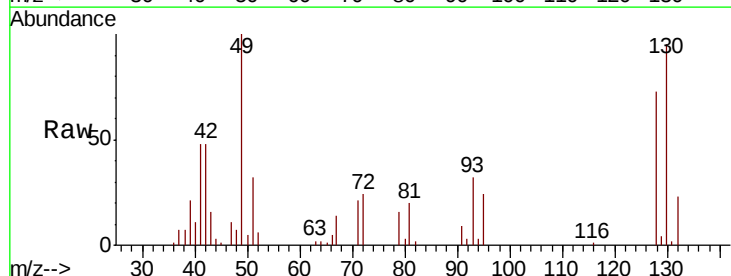
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12/26/2018 10:58:52 AM

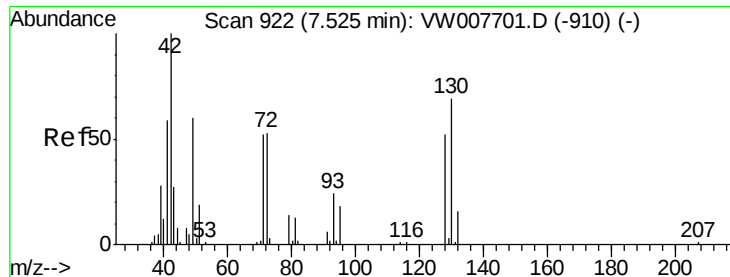


#28

Bromochloromethane
Concen: 20.594 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.2
130	97.6	81.5	122.3





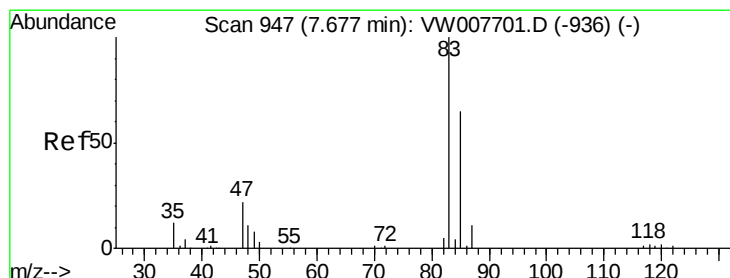
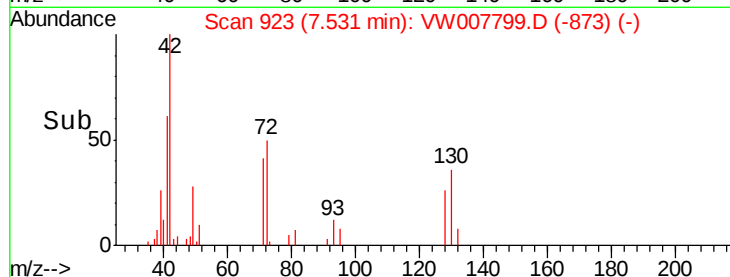
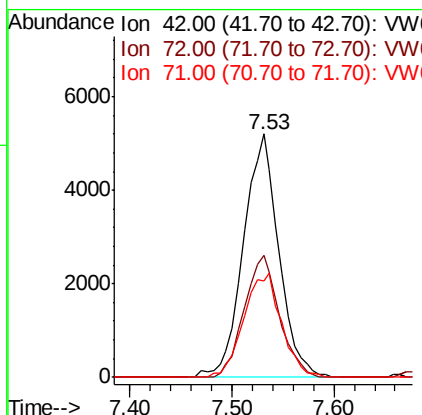
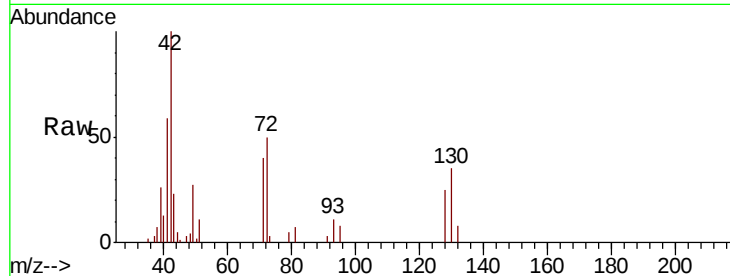
#29
Tetrahydrofuran
Concen: 104.963 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.6	41.7	62.5
71	45.2	39.0	58.6

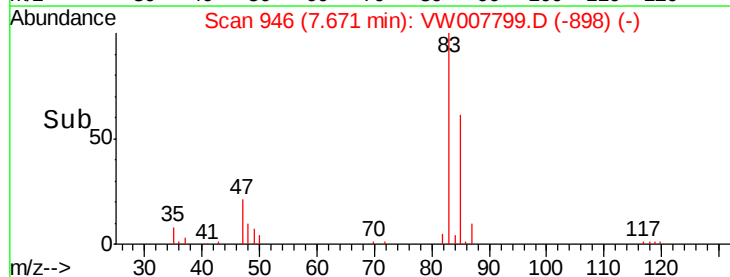
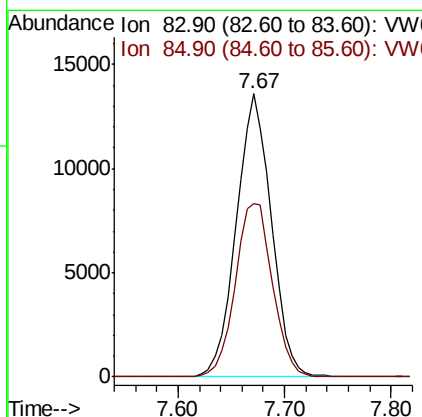
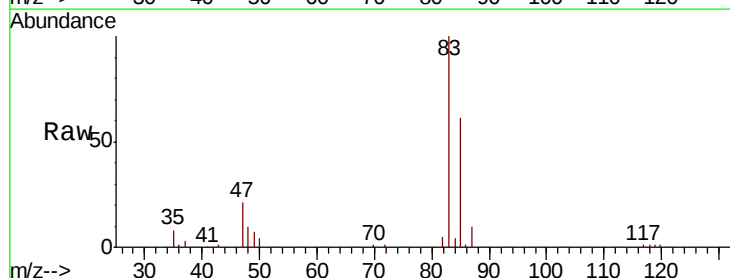
Manual Integrations
APPROVED

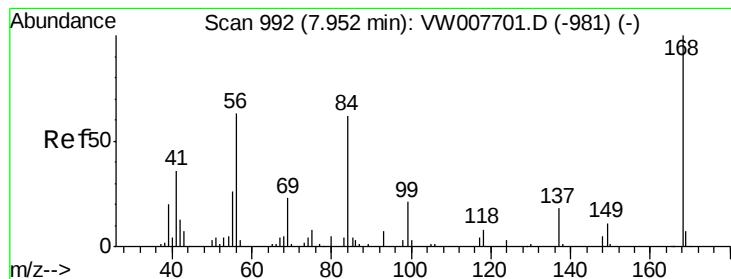
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#30
Chloroform
Concen: 18.585 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.2	78.2





#31

Cyclohexane

Concen: 19.852 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 56 Resp: 27090

Ion Ratio Lower Upper

56 100

69 48.8 29.7 44.5#

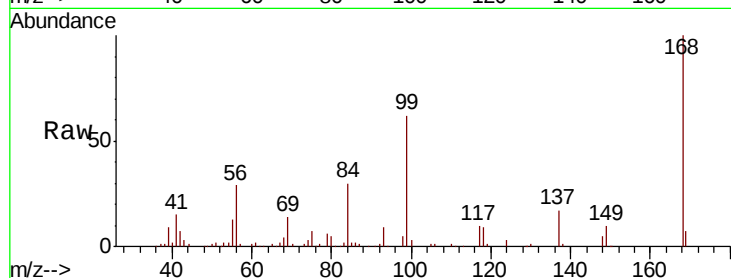
84 103.0 78.9 118.3

Manual Integrations

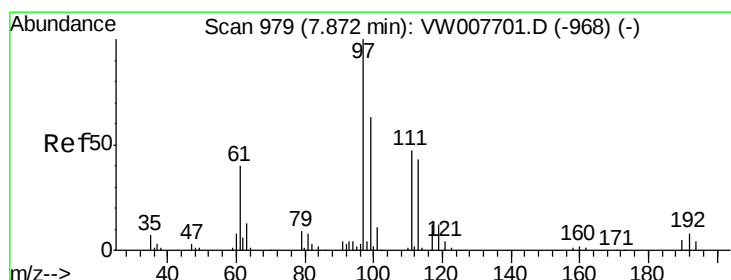
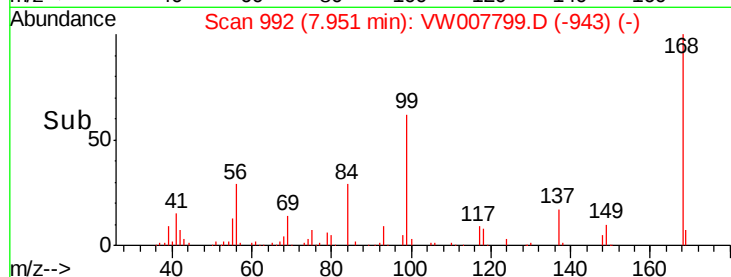
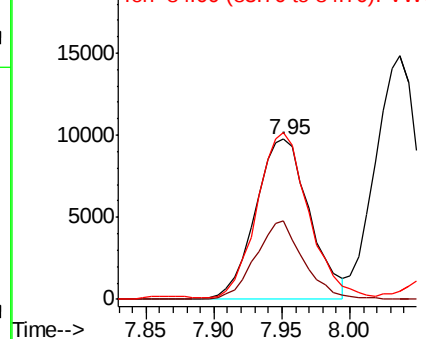
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Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 17.891 ug/l

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

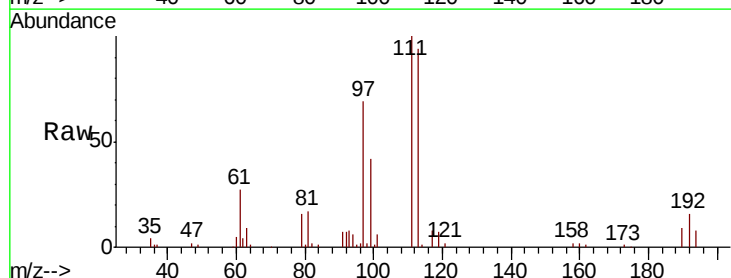
Tgt Ion: 97 Resp: 27486

Ion Ratio Lower Upper

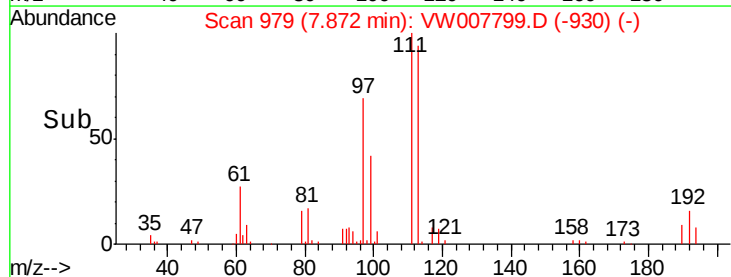
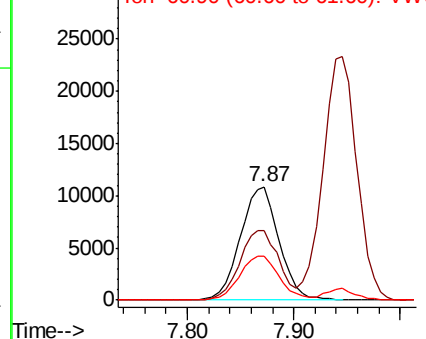
97 100

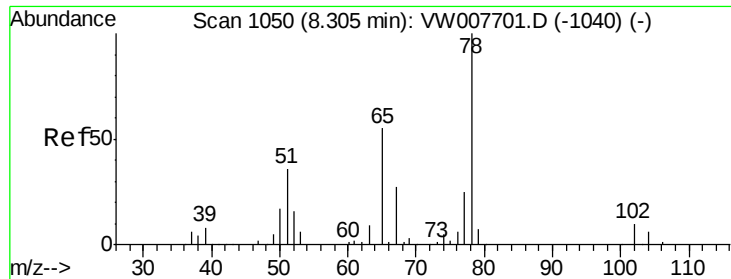
99 62.2 50.6 76.0

61 39.8 32.3 48.5



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





#33

1,2-Dichloroethane-d4

Concen: 46.240 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 65 Resp: 42387

Ion Ratio Lower Upper

65 100

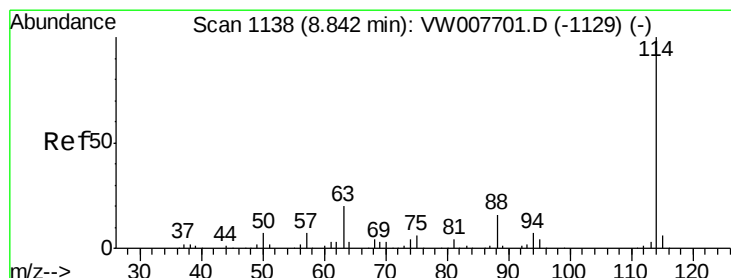
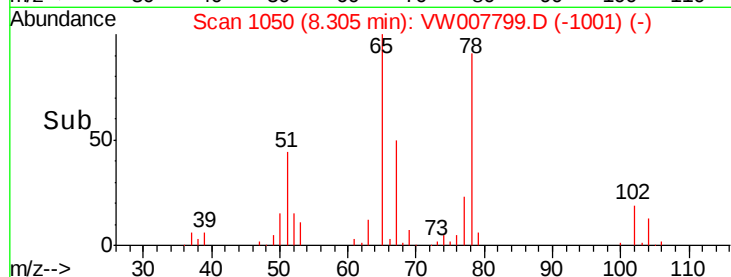
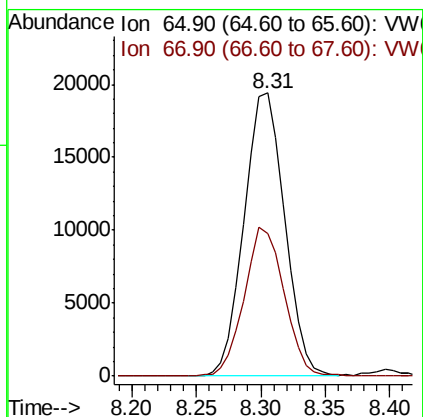
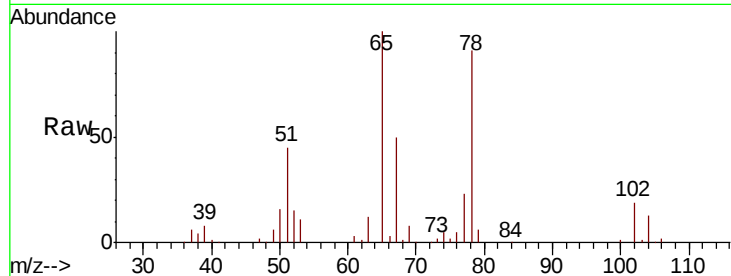
67 51.5 0.0 100.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

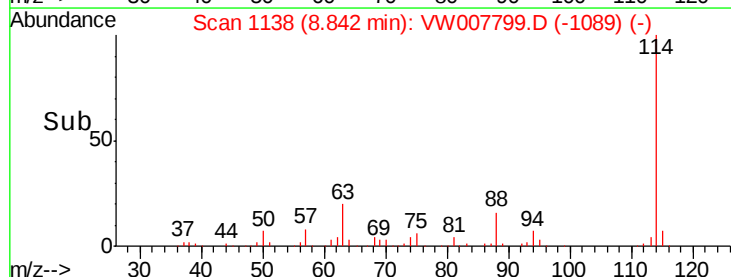
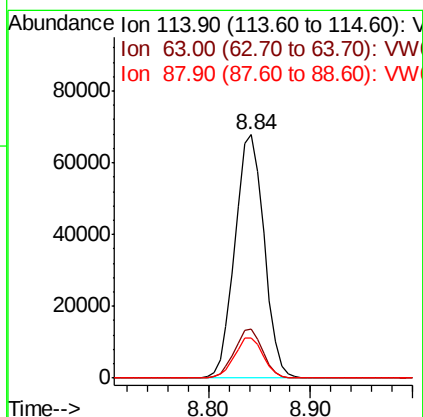
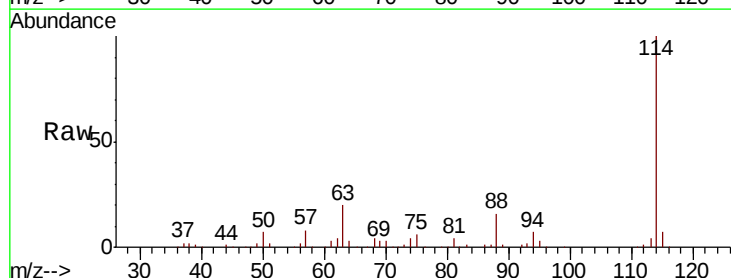
Tgt Ion: 114 Resp: 133989

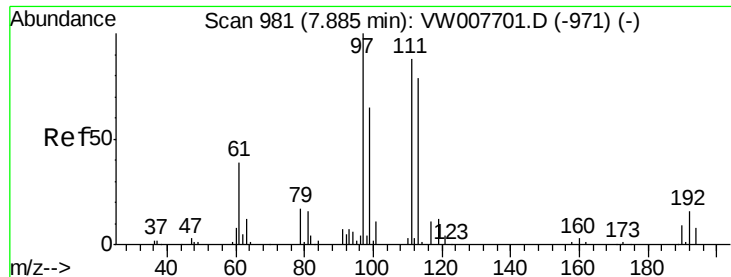
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.471 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion:113 Resp: 39620

Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

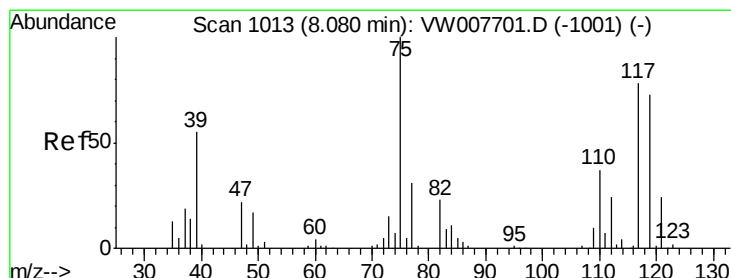
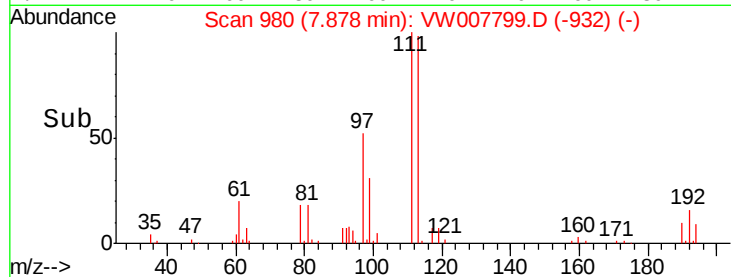
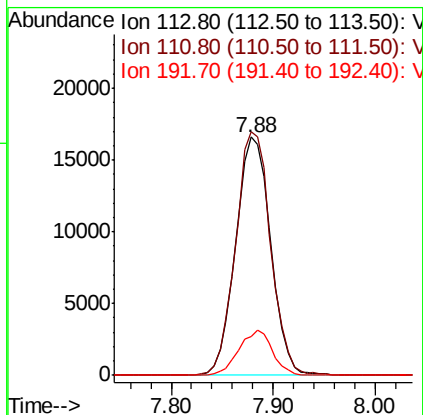
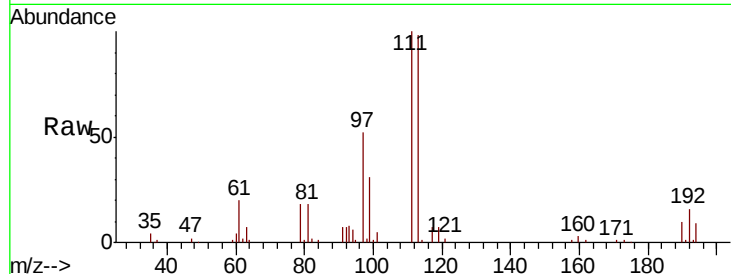
192 18.0 15.5 23.3

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 19.502 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

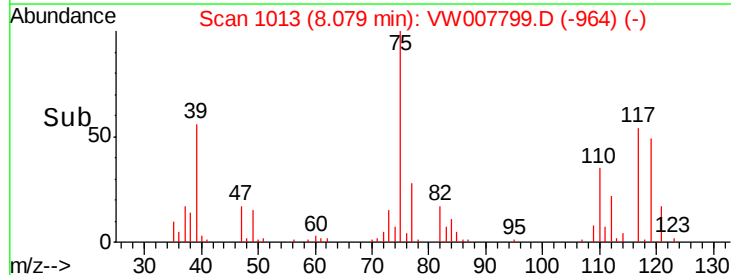
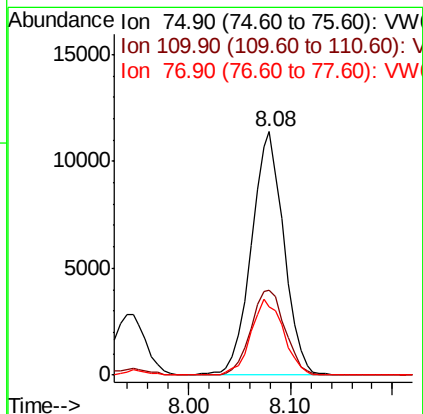
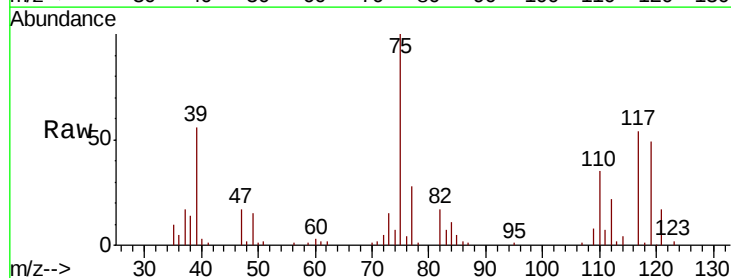
Tgt Ion: 75 Resp: 25220

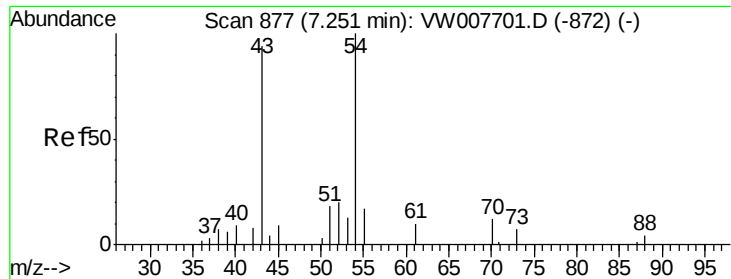
Ion Ratio Lower Upper

75 100

110 36.8 18.6 55.8

77 31.1 25.0 37.4





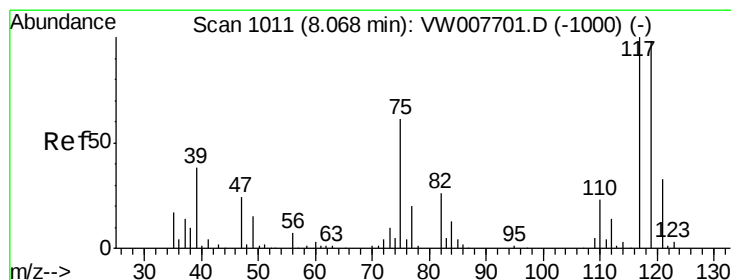
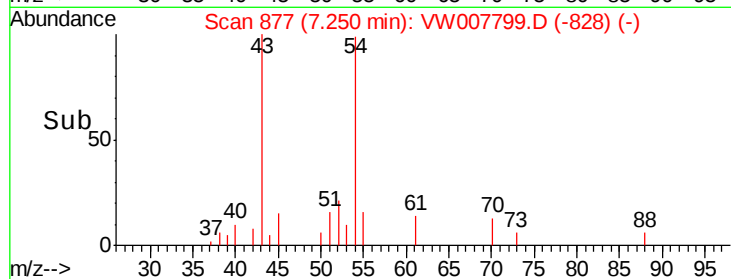
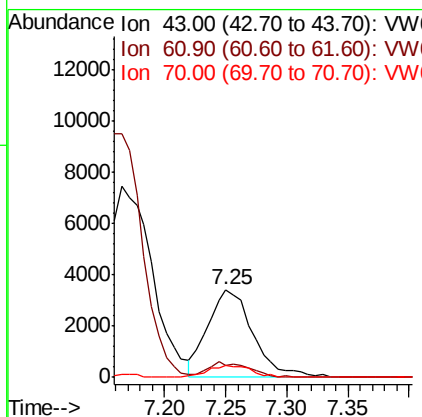
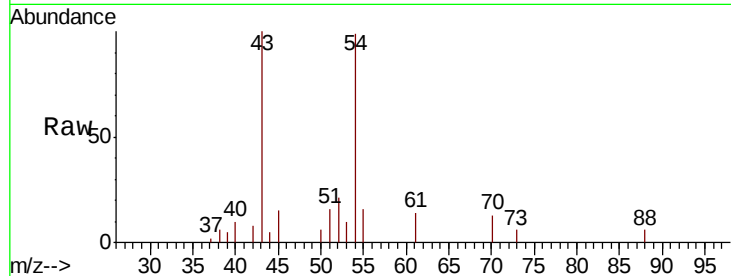
#37
Ethyl Acetate
Concen: 19.675 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.2	16.8
70	12.5	9.3	13.9

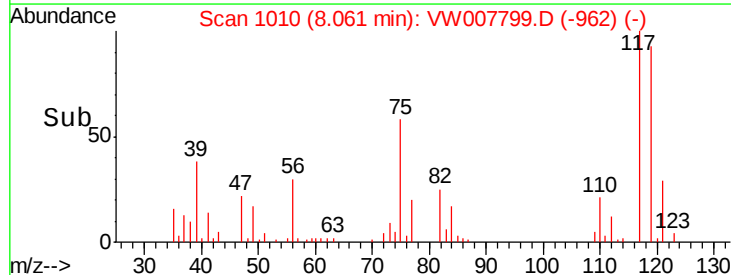
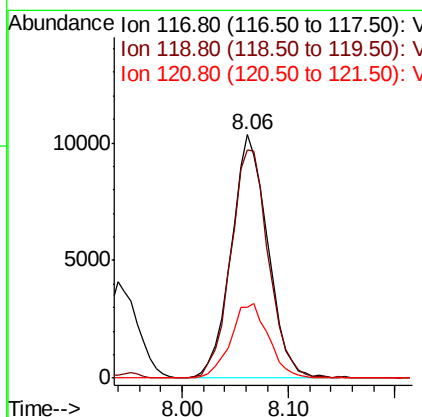
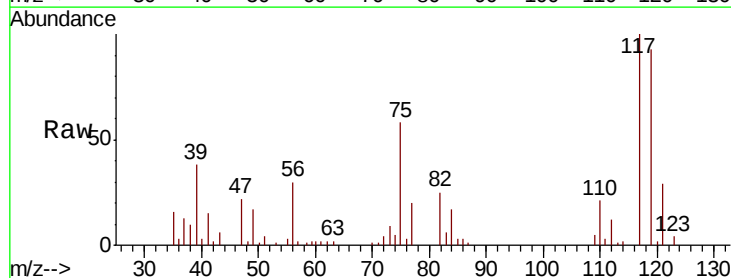
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#38
Carbon Tetrachloride
Concen: 16.382 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	78.2	117.2
121	29.1	26.1	39.1





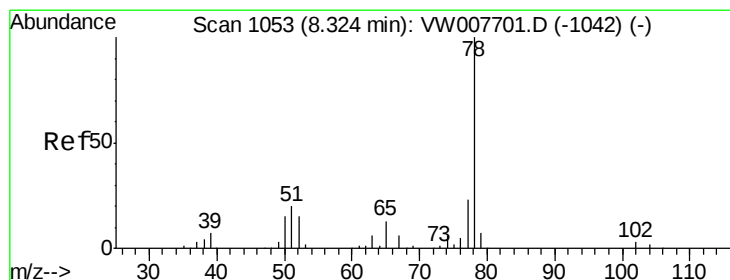
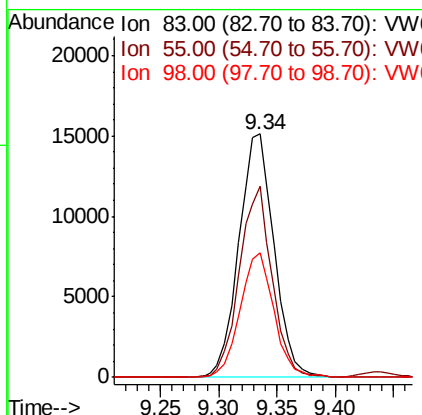
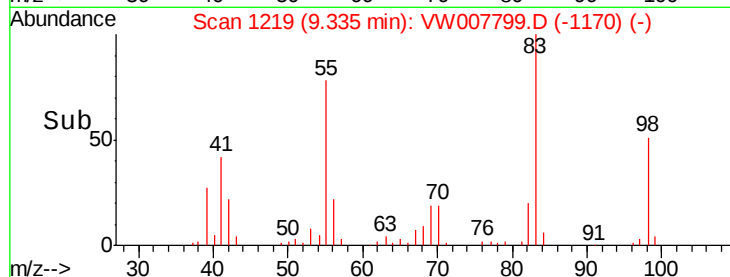
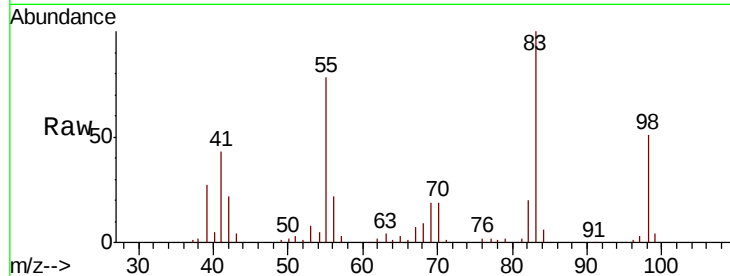
#39
Methvlcvclohexane
Concen: 19.844 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	57.2	85.8
98	51.0	38.6	58.0

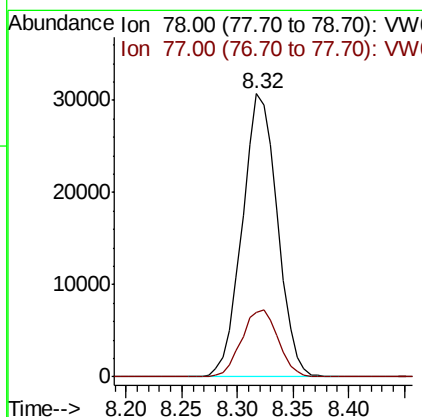
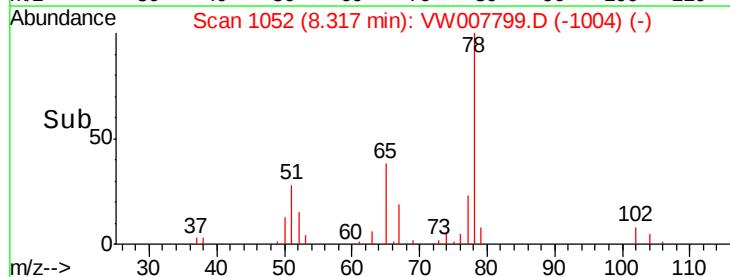
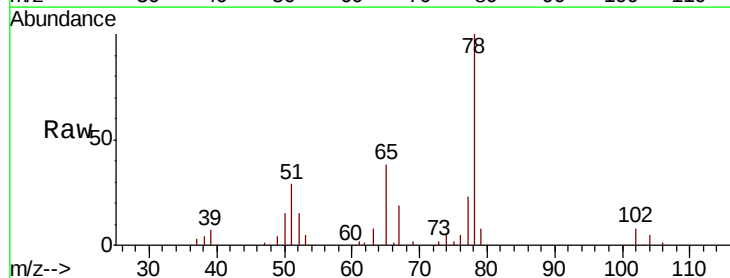
Manual Integrations
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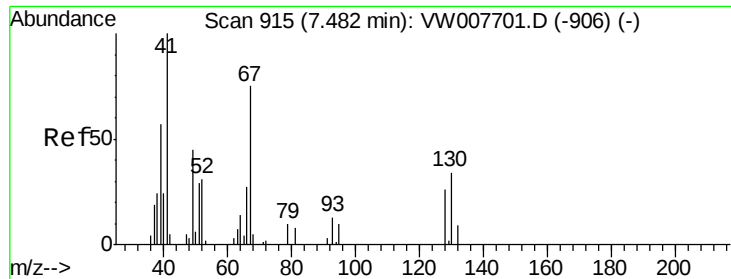
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#40
Benzene
Concen: 19.560 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





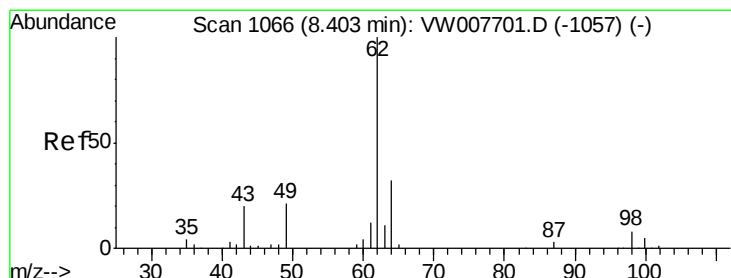
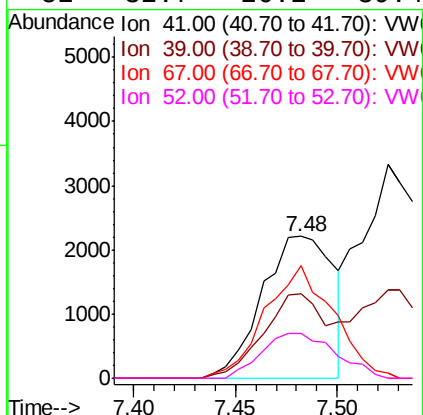
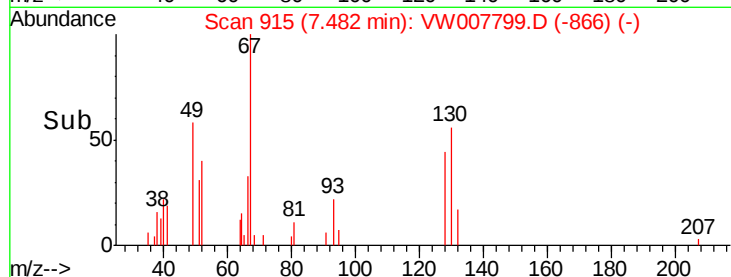
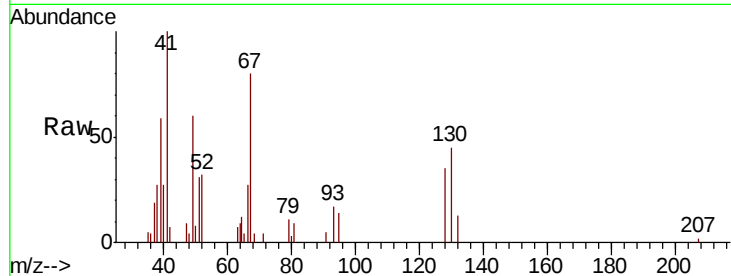
#41
Methacrylonitrile
Concen: 21.279 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.1	54.2	81.4
67	75.7	65.7	98.5
52	32.7	26.2	39.4

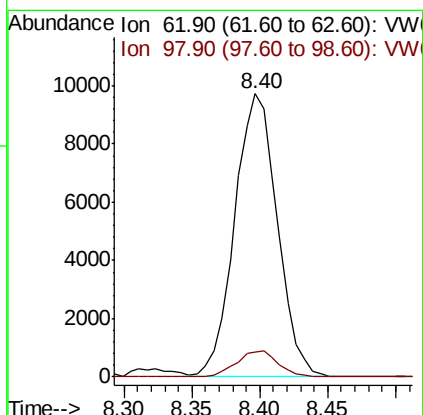
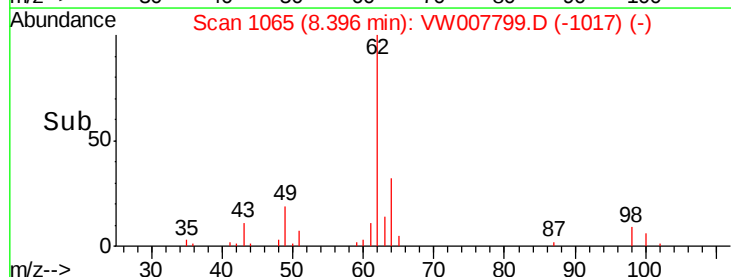
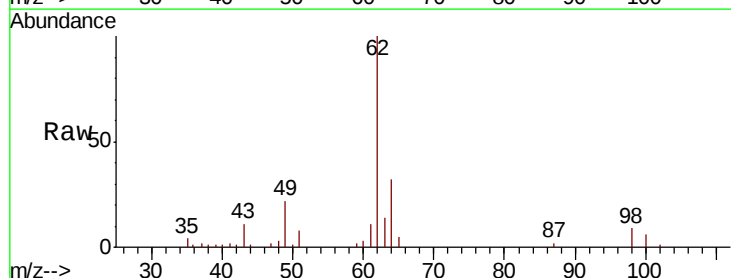
Manual Integrations
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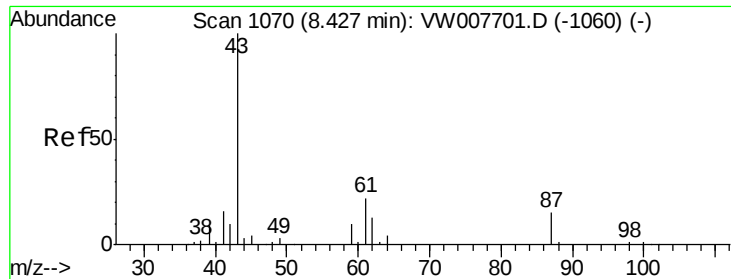
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#42
1,2-Dichloroethane
Concen: 18.395 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.6





#43

Isopropyl Acetate

Concen: 20.476 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

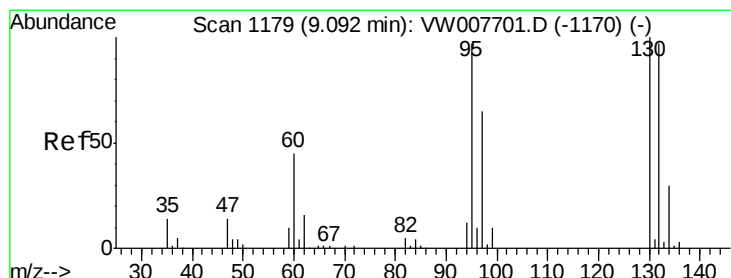
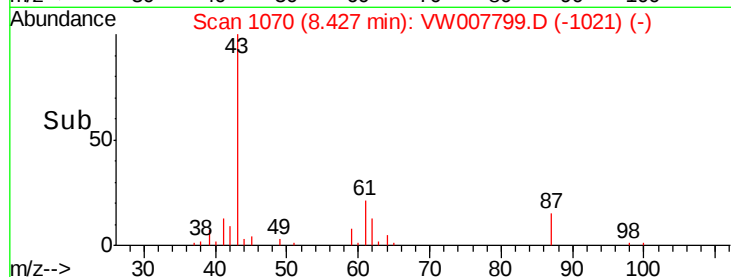
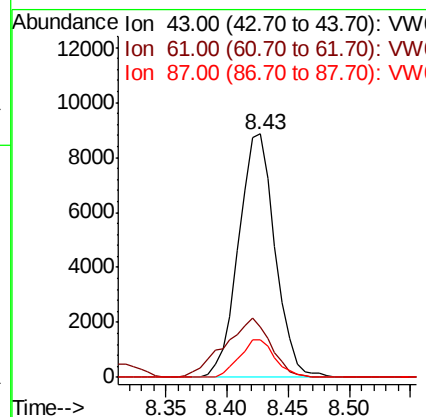
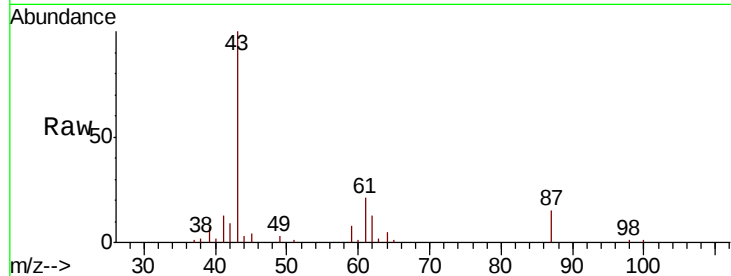
ClientSampleId :

VW1223SBS01

Tot Ion:	43	Resp:	18309
Ion	Ratio	Lower	Upper
43	100		
61	30.8	26.3	39.5
87	15.0	12.0	18.0

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#44

Trichloroethene

Concen: 18.635 ug/l

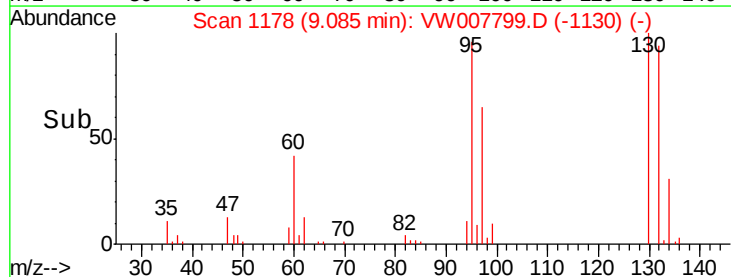
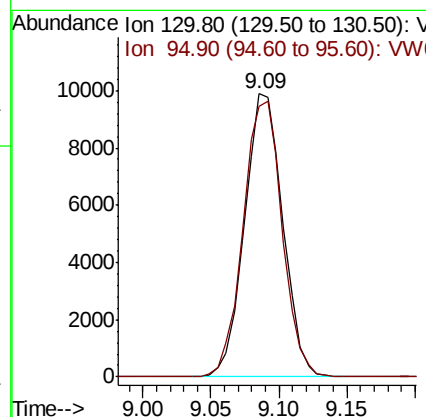
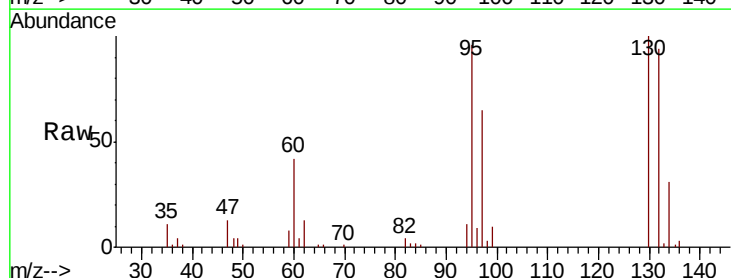
RT: 9.09 min Scan# 1178

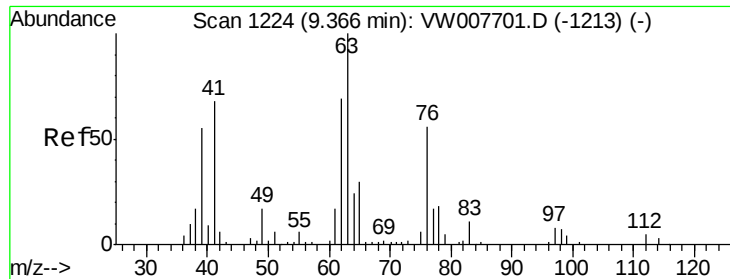
Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion:	130	Resp:	19448
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	194.8





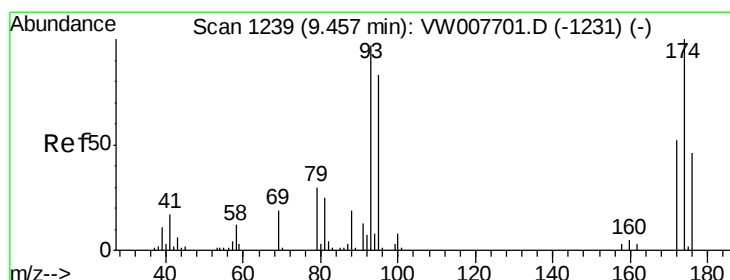
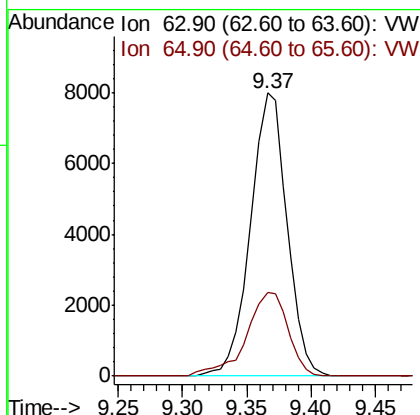
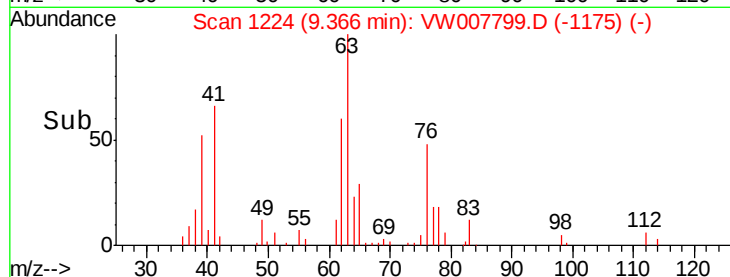
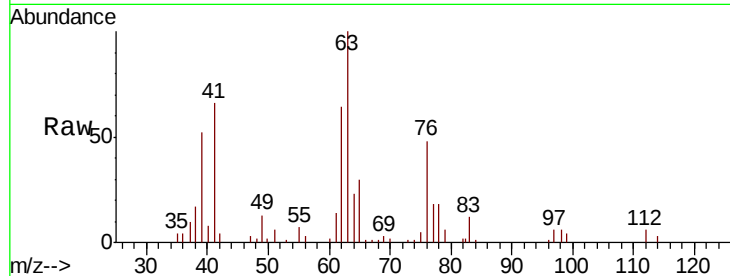
#45
 1,2-Dichloropropane
 Concen: 20.463 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion: 63 Resp: 15669
 Ion Ratio Lower Upper
 63 100
 65 29.6 23.8 35.8

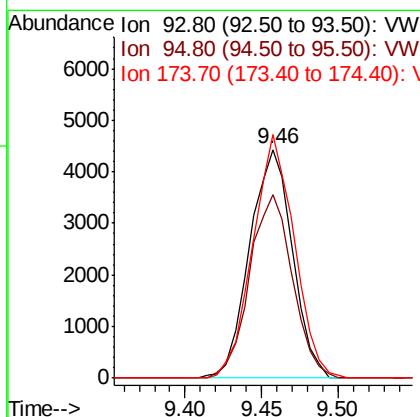
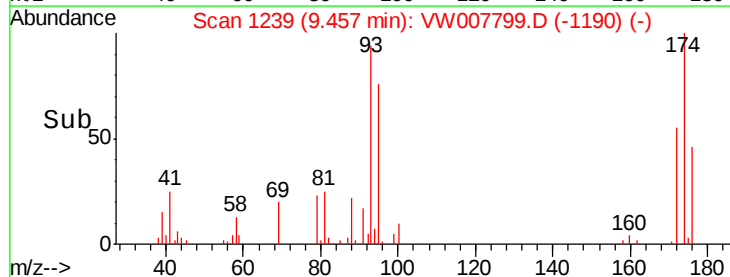
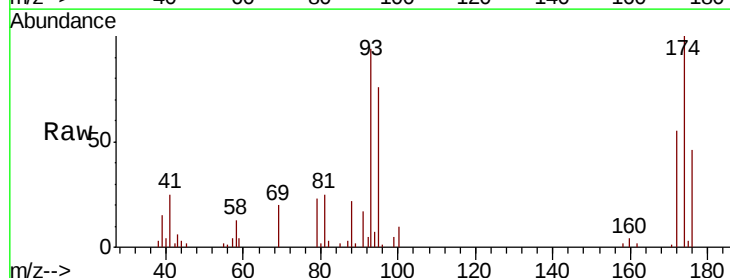
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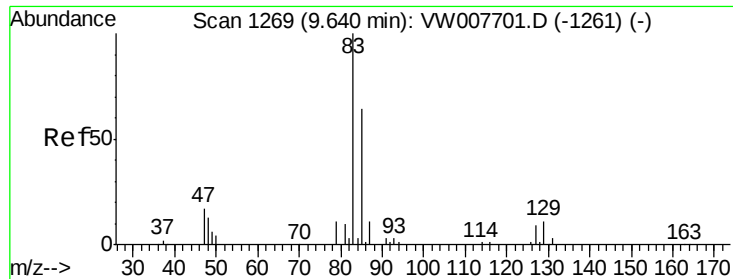
MMDadoda
 12/26/2018 10:58:52 AM



#46
 Dibromomethane
 Concen: 18.262 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 93 Resp: 8608
 Ion Ratio Lower Upper
 93 100
 95 80.5 67.5 101.3
 174 103.3 83.9 125.9





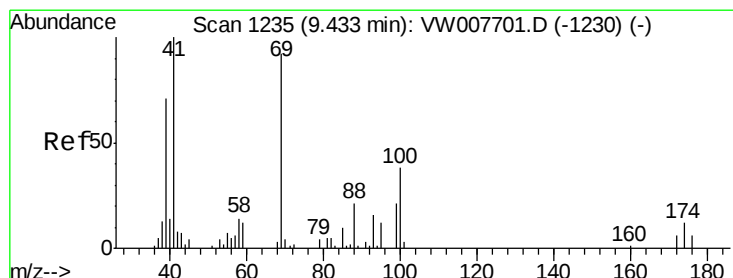
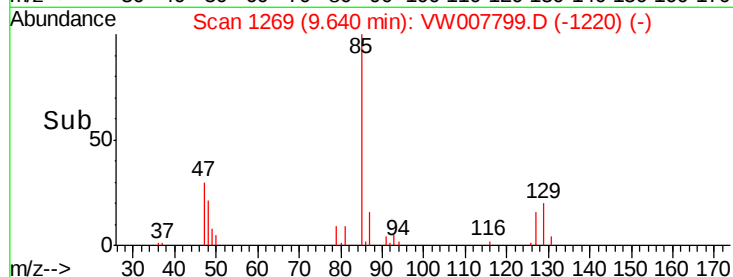
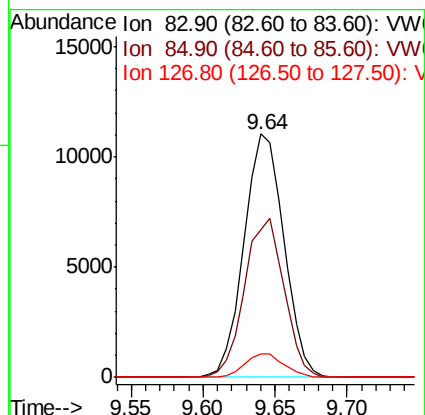
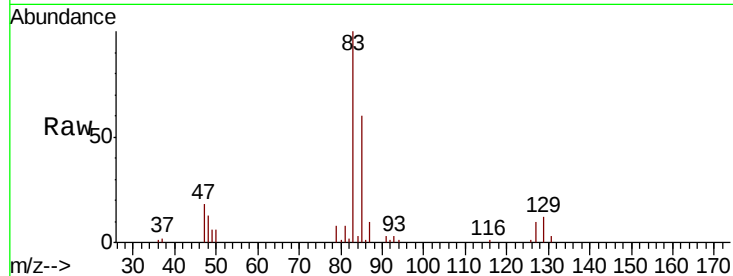
#47
Bromodichloromethane
Concen: 17.131 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	83	Resp	21228
Ion Ratio	100	Lower	Upper
83	100		
85	60.5	51.4	77.0
127	9.6	7.5	11.3

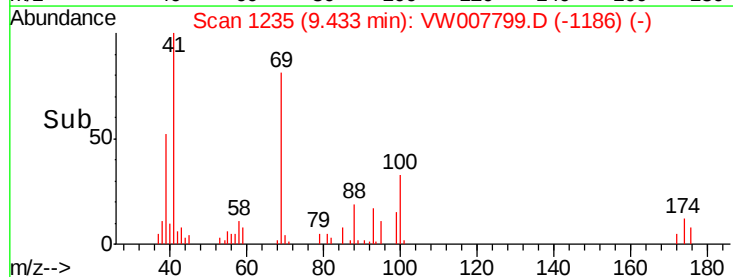
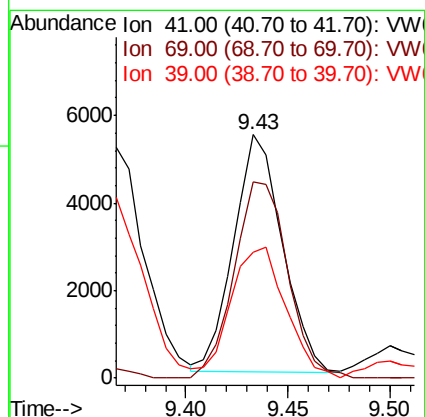
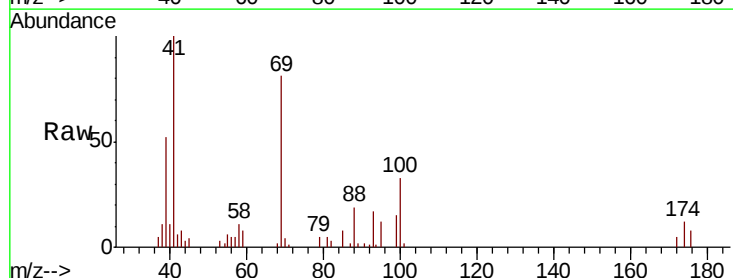
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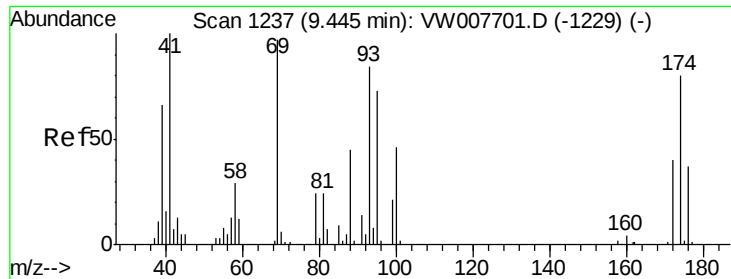
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#48
Methyl methacrylate
Concen: 20.176 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	41	Resp	9005
Ion Ratio	100	Lower	Upper
41	100		
69	90.7	74.2	111.2
39	62.3	53.9	80.9





#49

1,4-Dioxane

Concen: 390.322 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

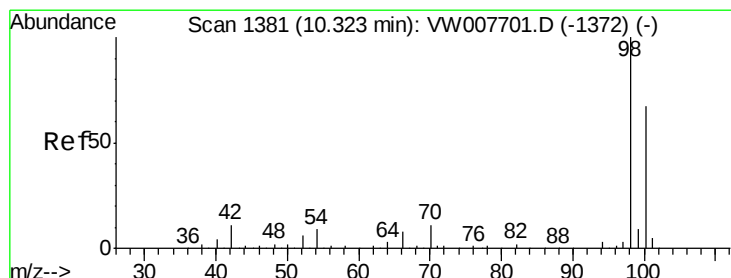
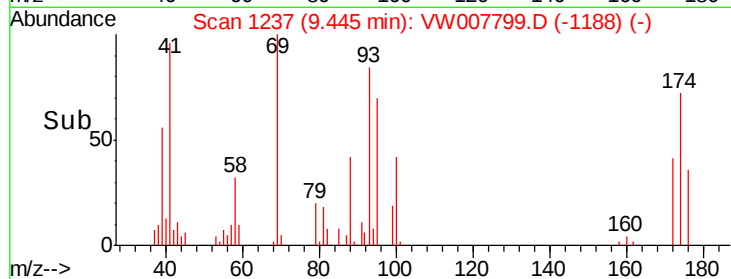
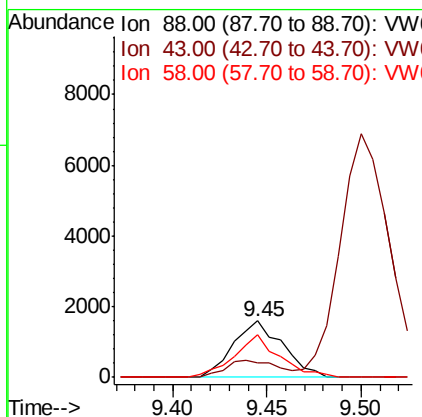
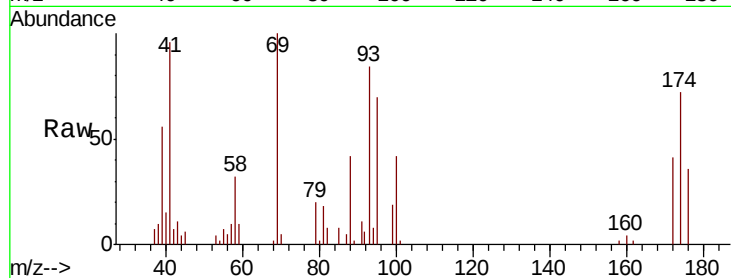
ClientSampleId :

VW1223SBS01

Tot Ion:	88	Resp:	2917
Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.6	38.4
58	68.9	52.3	78.5

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#50

Toluene-d8

Concen: 50.537 ug/l

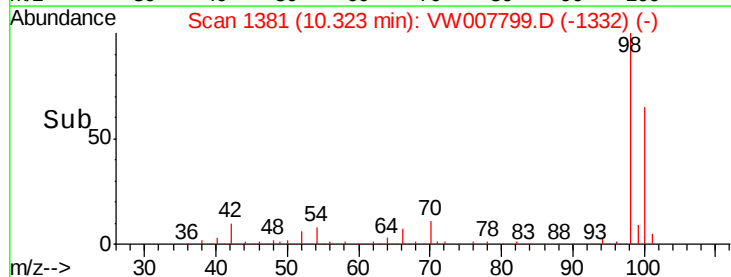
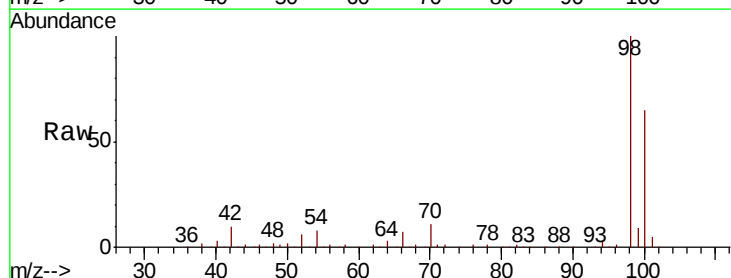
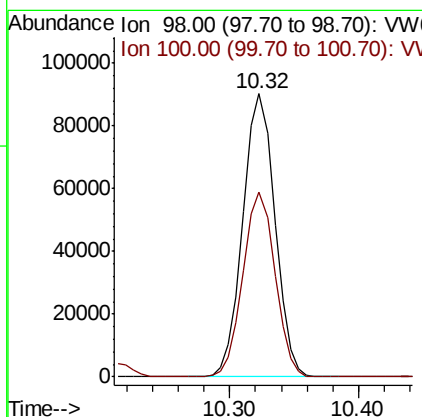
RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion:	98	Resp:	155728
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 99.687 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampled :

VW1223SBS01

Tot Ion: 43 Resp: 42126

Ion Ratio Lower Upper

43 100

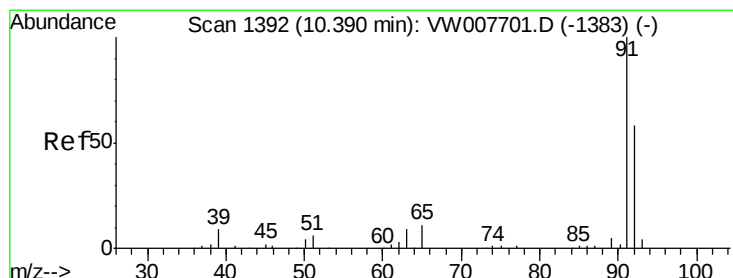
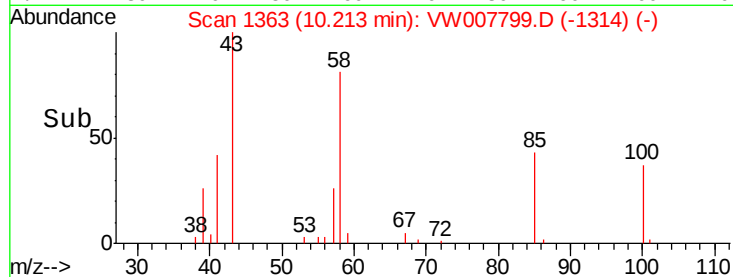
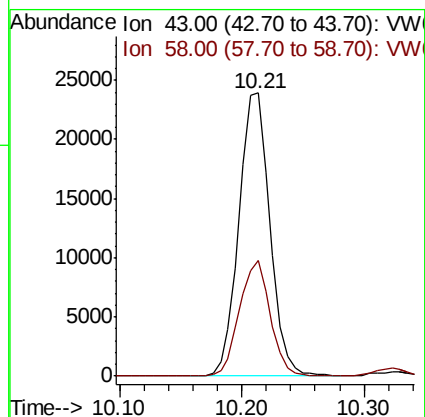
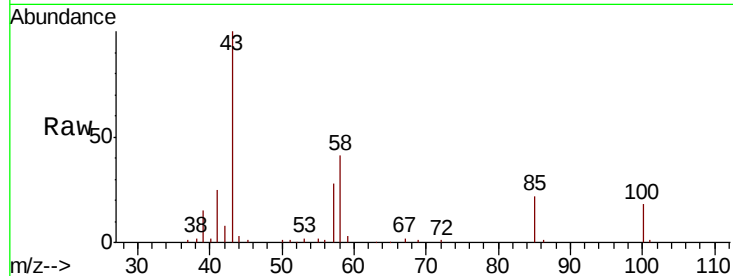
58 40.1 33.2 49.8

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#52

Toluene

Concen: 20.155 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW007799.D

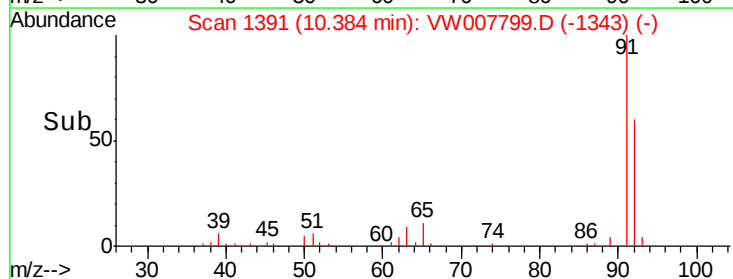
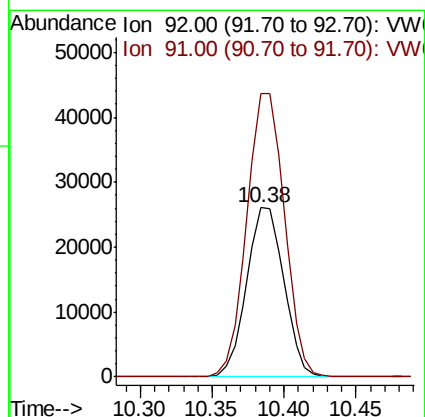
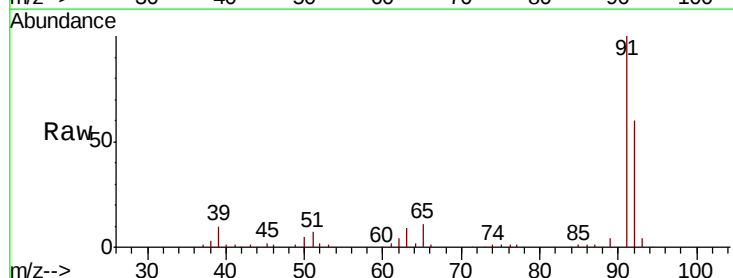
Acq: 21 Dec 2018 17:12

Tgt Ion: 92 Resp: 46667

Ion Ratio Lower Upper

92 100

91 169.4 137.0 205.4





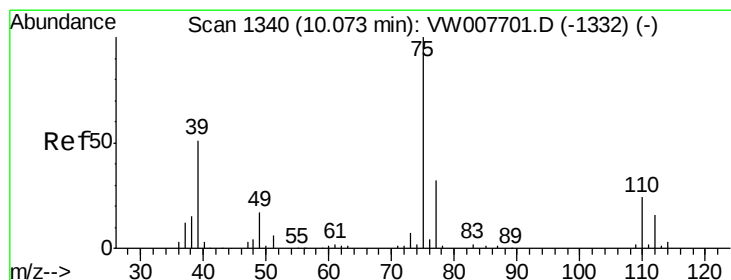
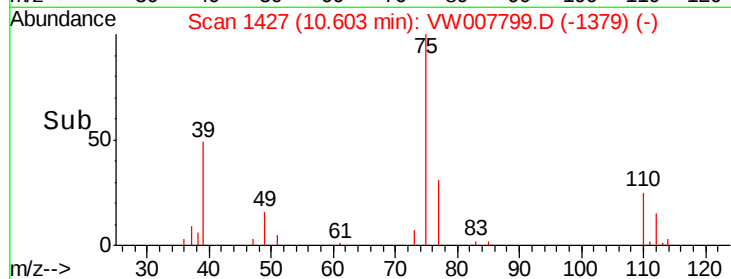
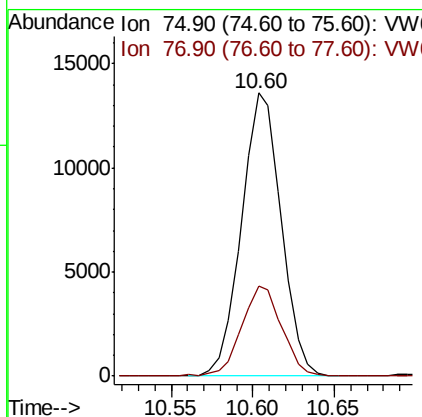
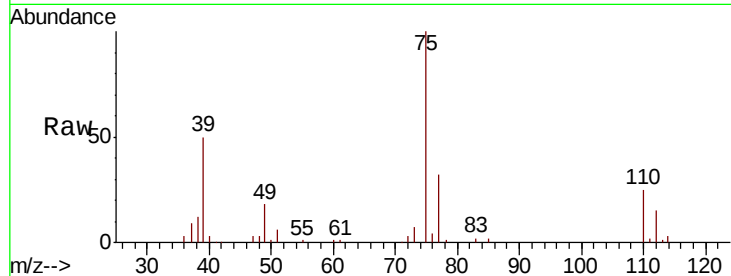
#53
t-1,3-Dichloropropene
Concen: 18.666 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 75 Resp: 23007
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

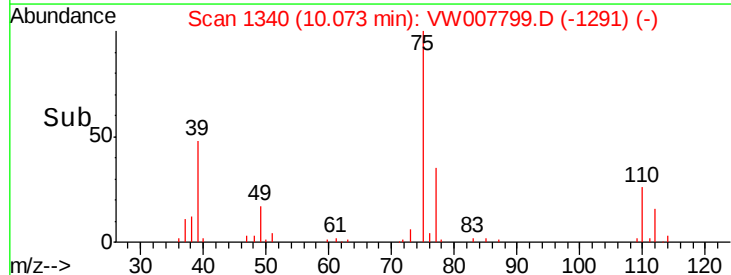
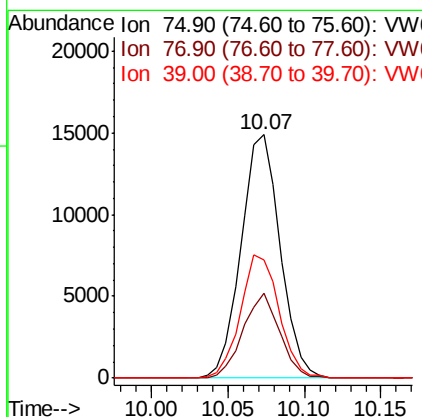
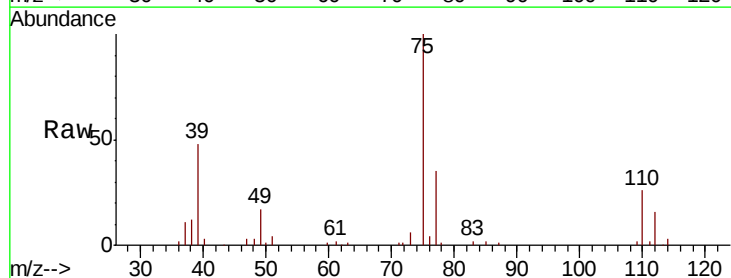
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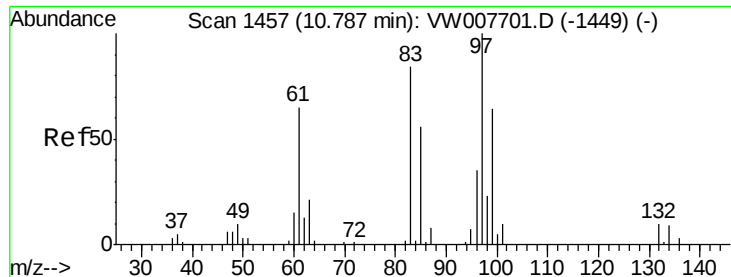
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#54
cis-1,3-Dichloropropene
Concen: 19.378 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion: 75 Resp: 26382
Ion Ratio Lower Upper
75 100
77 34.6 25.5 38.3
39 48.3 41.2 61.8





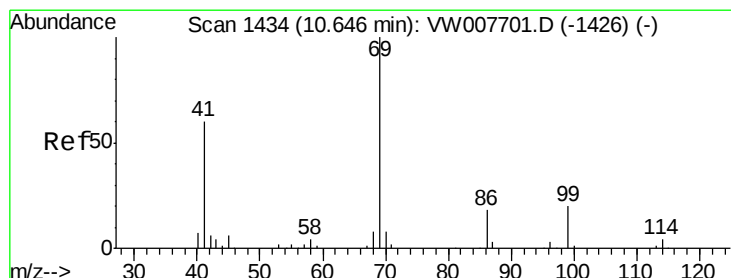
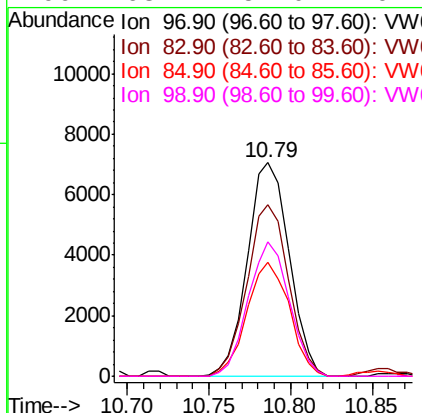
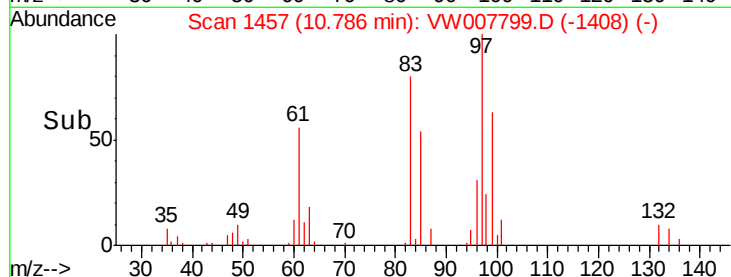
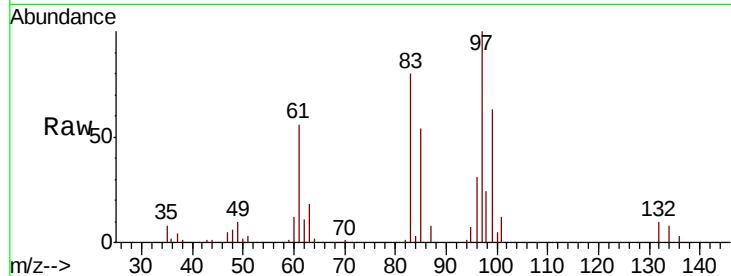
#55
 1,1,2-Trichloroethane
 Concen: 19.362 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion:	97	Resp:	12582
Ion	Ratio	Lower	Upper
97	100		
83	80.1	67.5	101.3
85	53.5	44.8	67.2
99	63.1	51.0	76.4

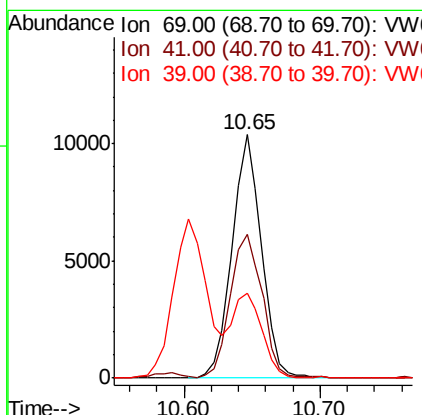
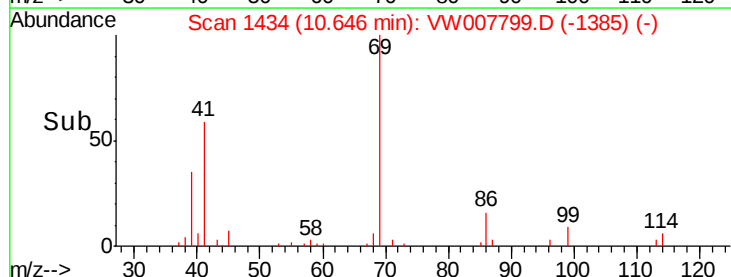
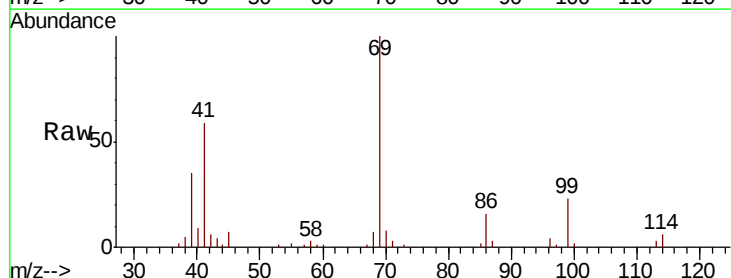
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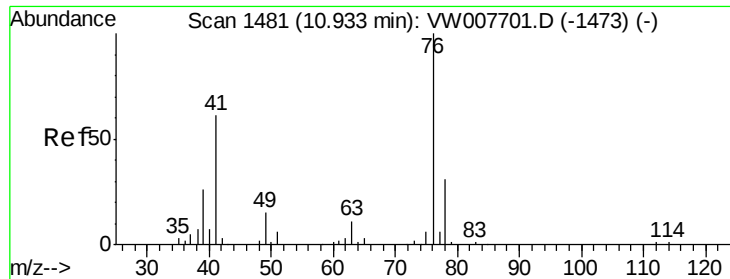
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#56
 Ethyl methacrylate
 Concen: 20.255 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion:	69	Resp:	15551
Ion	Ratio	Lower	Upper
69	100		
41	64.5	48.9	73.3
39	35.8	31.3	46.9





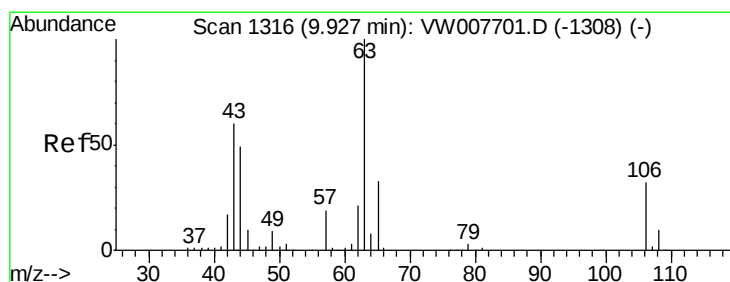
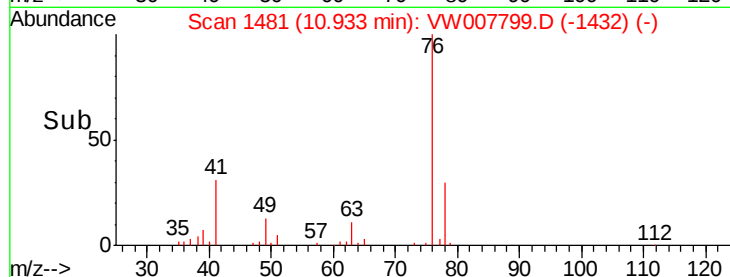
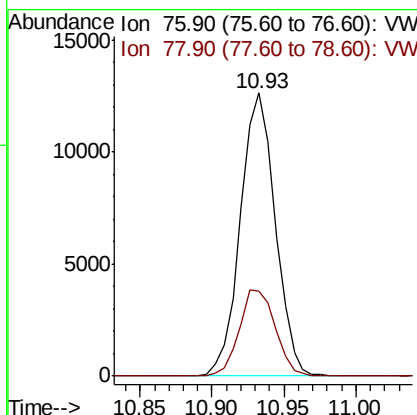
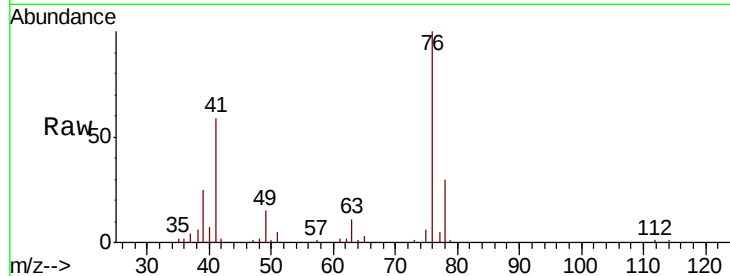
#57
 1,3-Dichloropropane
 Concen: 19.701 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion: 76 Resp: 21259
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.2 39.2

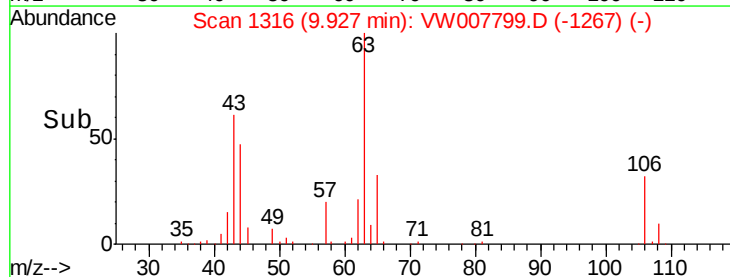
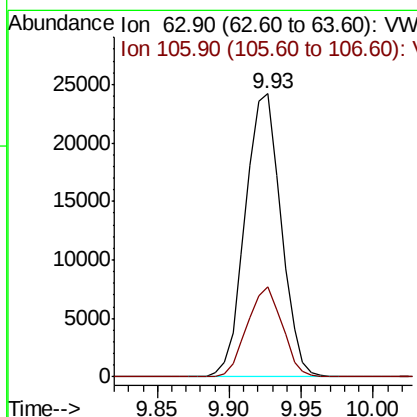
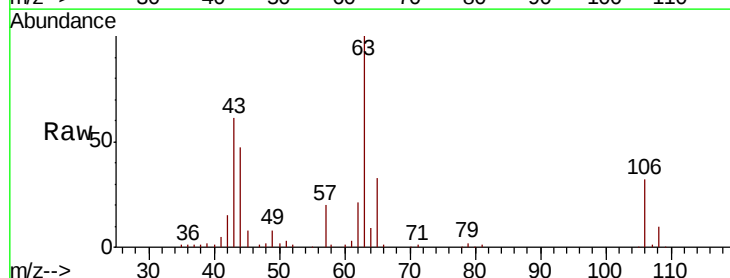
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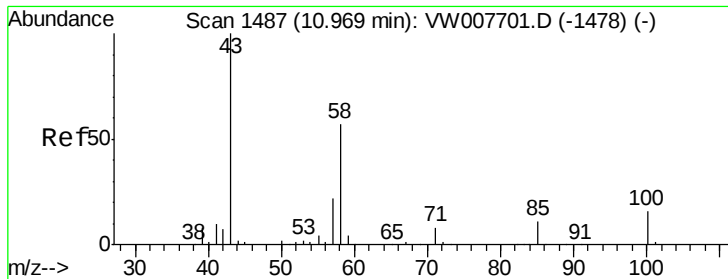
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 12/26/2018 10:58:52 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.099 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion: 63 Resp: 41749
 Ion Ratio Lower Upper
 63 100
 106 31.2 25.9 38.9





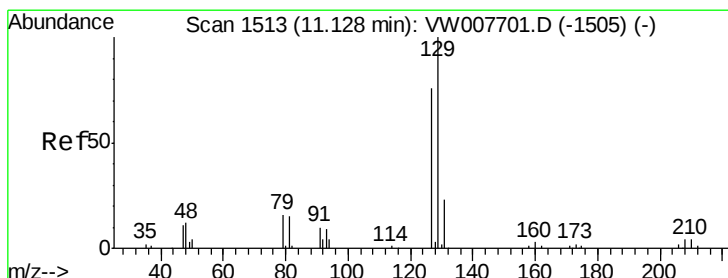
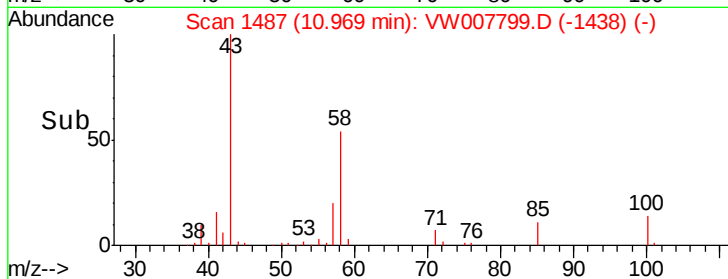
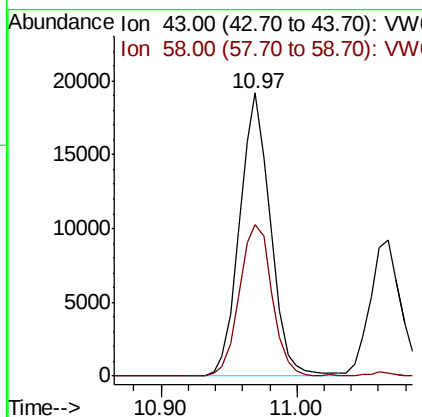
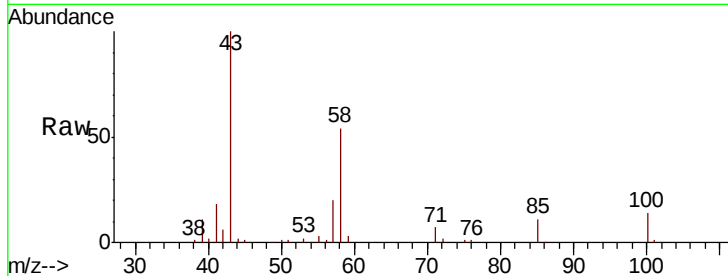
#59
2-Hexanone
Concen: 102.376 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 43 Resp: 30425
Ion Ratio Lower Upper
43 100
58 56.7 27.7 83.1

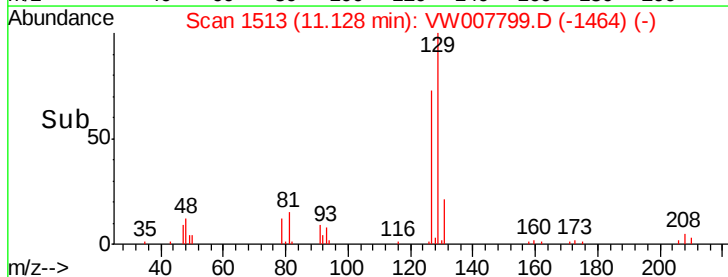
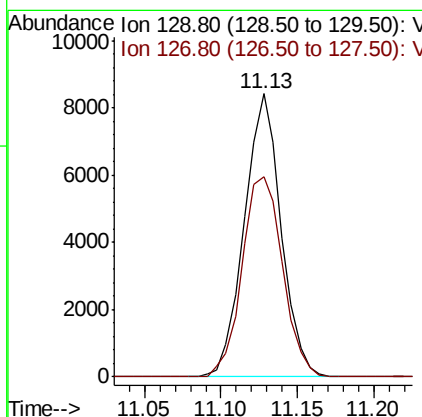
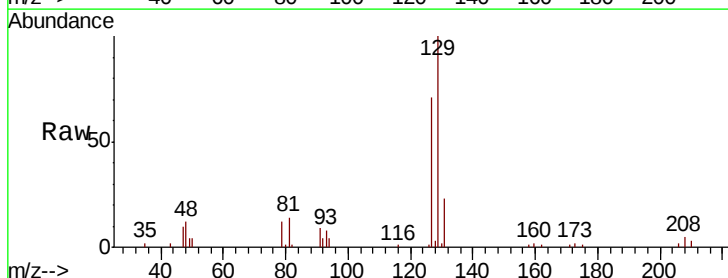
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#60
Dibromochloromethane
Concen: 16.332 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion: 129 Resp: 14052
Ion Ratio Lower Upper
129 100
127 77.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.600 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 107 Resp: 12240

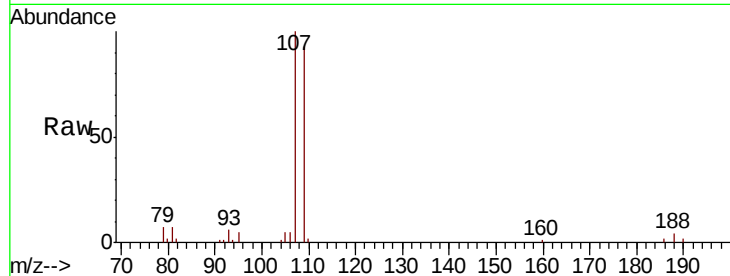
Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

8000

6000

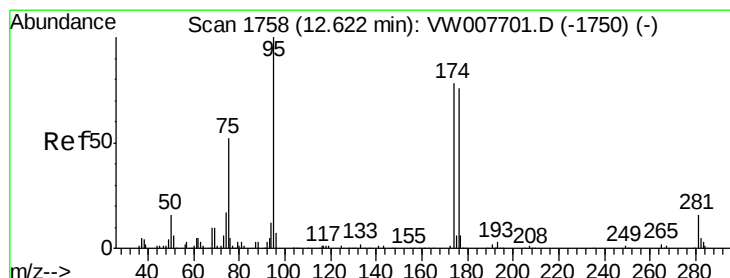
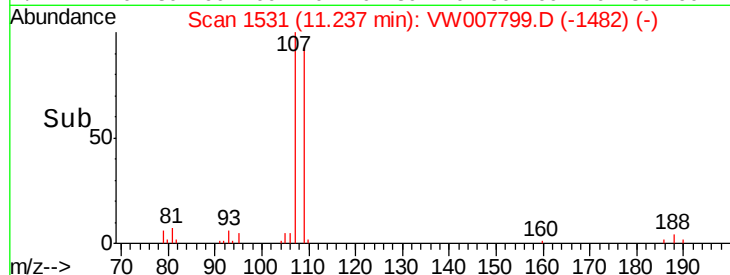
4000

2000

0

Time-->

11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 49.815 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

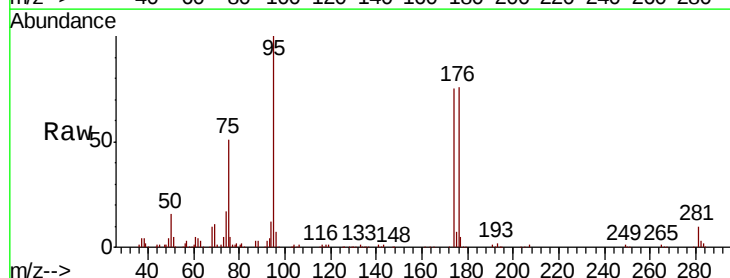
Tgt Ion: 95 Resp: 59302

Ion Ratio Lower Upper

95 100

174 75.9 0.0 152.2

176 73.5 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

50000

40000

30000

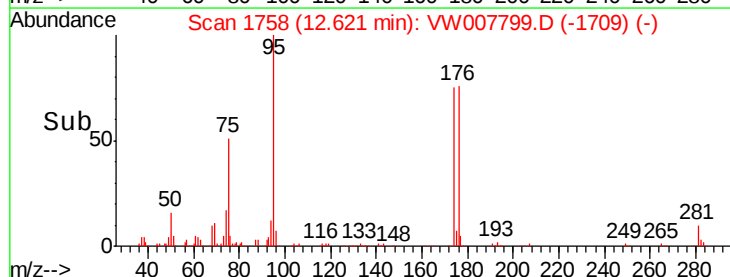
20000

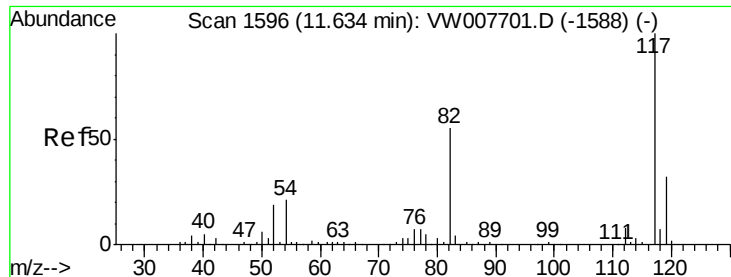
10000

0

Time-->

12.55 12.60 12.65 12.70





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

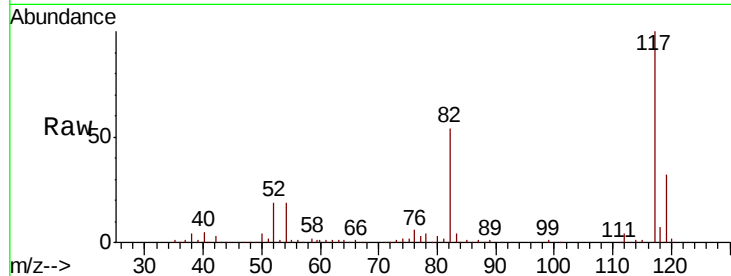
ClientSampleId :

VW1223SBS01

Tot Ion:	117	Resp:	119266
Ion Ratio	Lower	Upper	
117	100		
82	53.7	44.3	66.5
119	31.8	25.7	38.5

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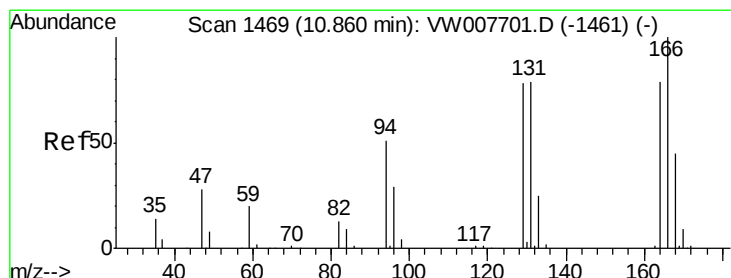
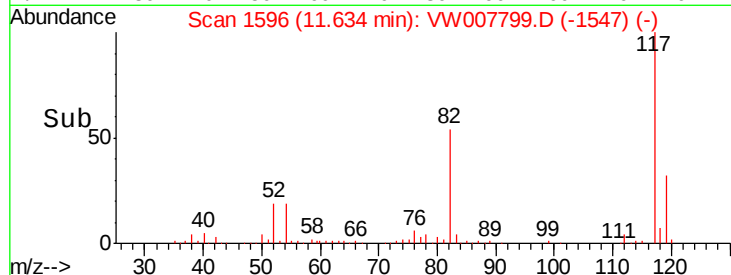
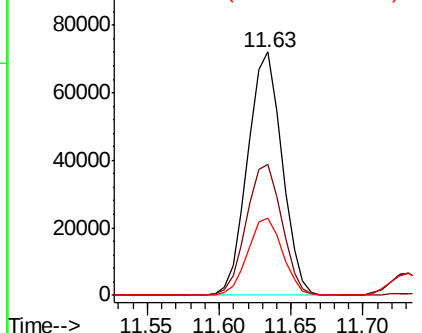


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.023 ug/l

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion:	164	Resp:	16066
Ion Ratio	Lower	Upper	
164	100		
166	127.2	101.0	151.6
129	102.3	78.7	118.1
131	99.4	79.4	119.0

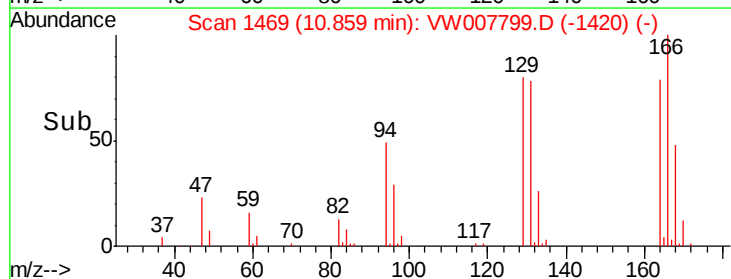
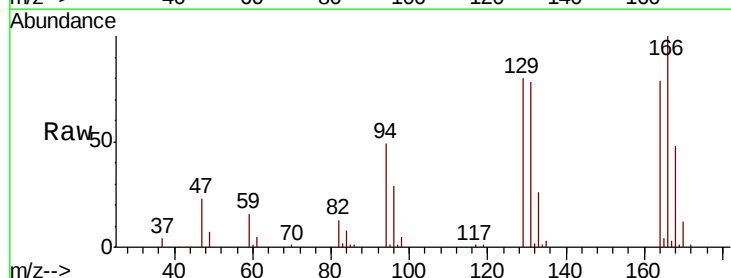
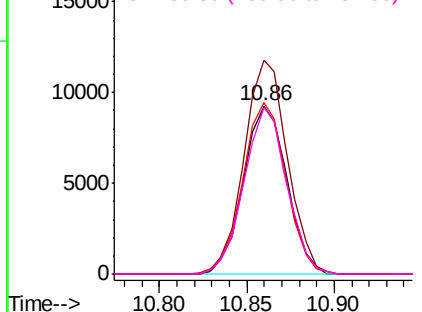
Abundance

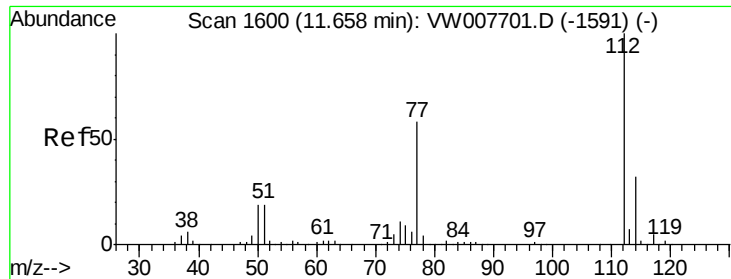
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





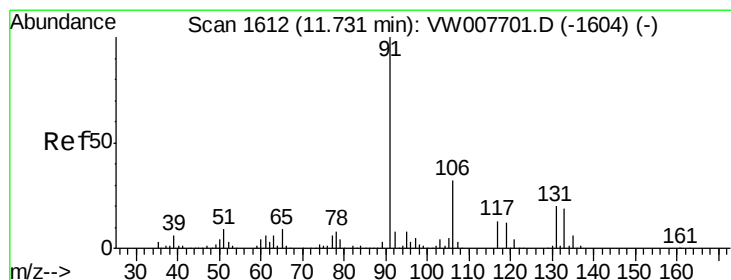
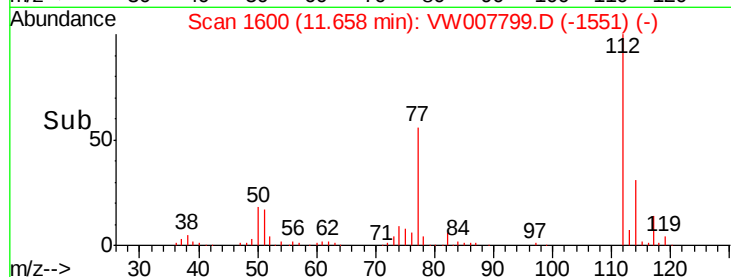
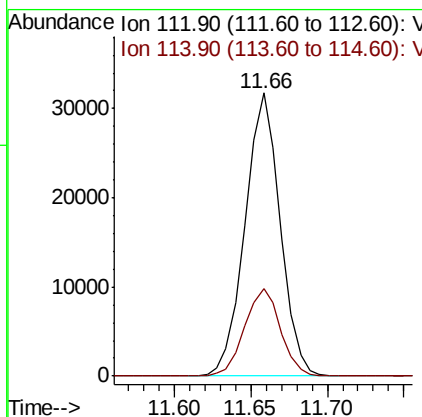
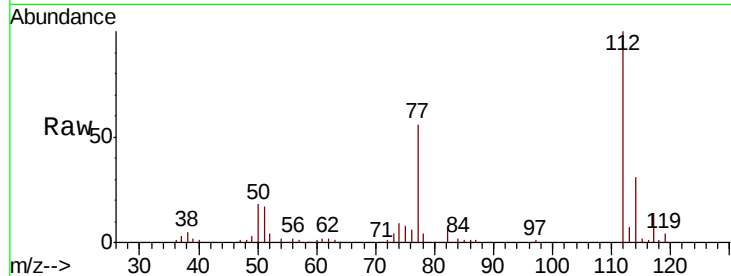
#65
Chlorobenzene
Concen: 19.608 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion:112 Resp: 50616
Ion Ratio Lower Upper
112 100
114 30.8 25.2 37.8

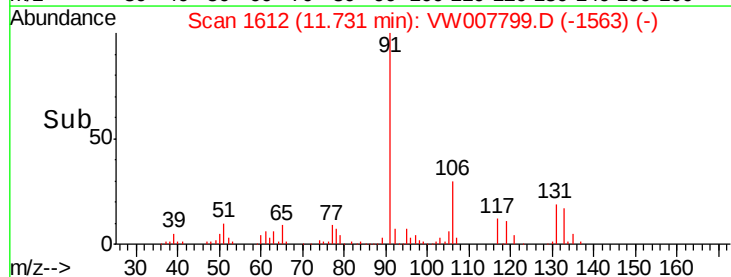
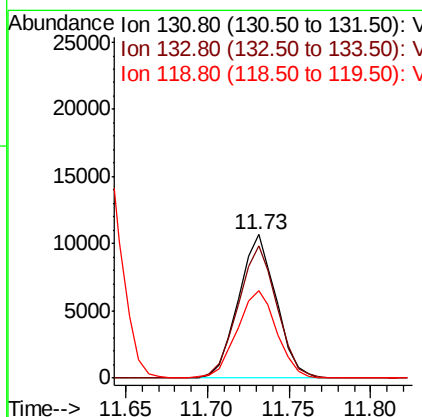
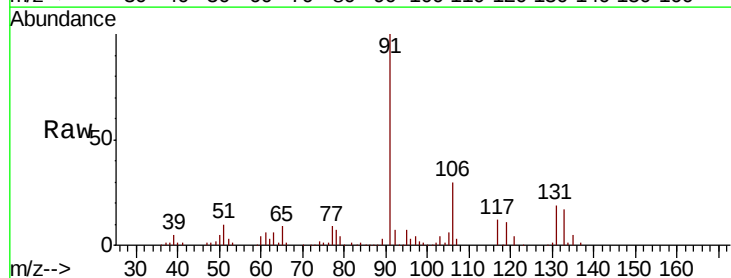
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.513 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:131 Resp: 17076
Ion Ratio Lower Upper
131 100
133 95.6 47.5 142.5
119 64.4 30.2 90.6





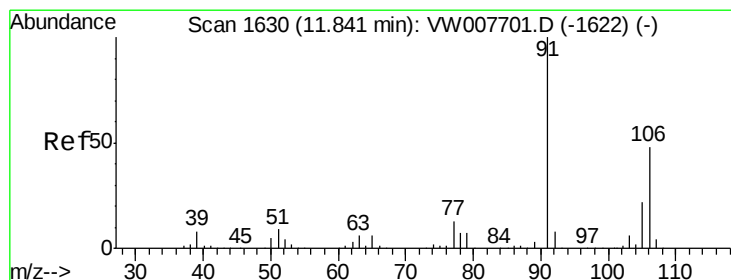
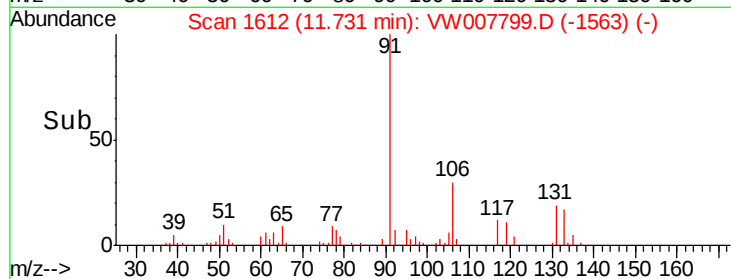
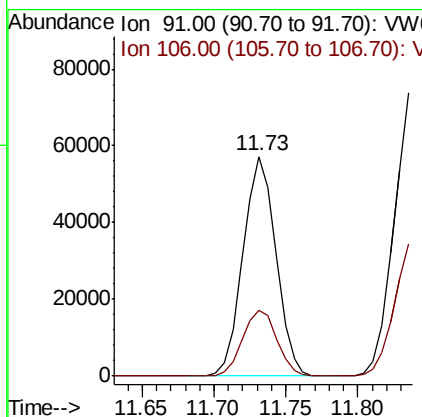
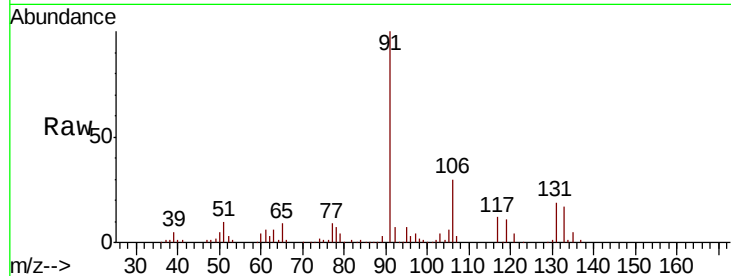
#67
Ethyl Benzene
Concen: 20.417 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 91 Resp: 90440
Ion Ratio Lower Upper
91 100
106 30.0 25.8 38.8

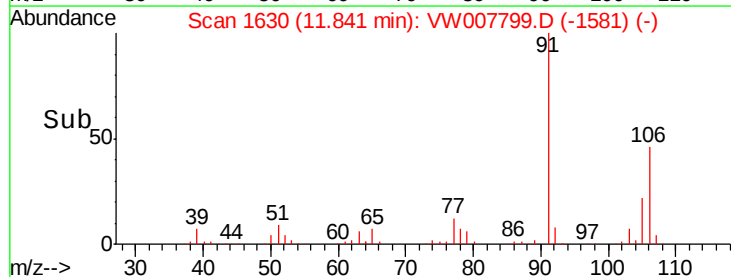
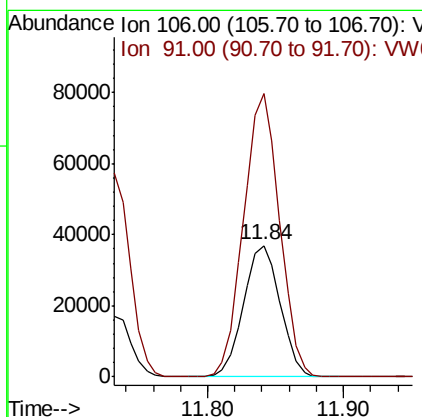
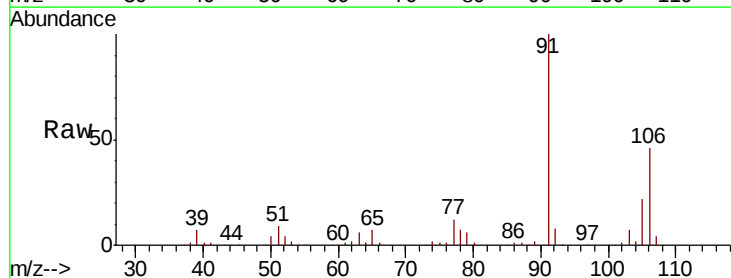
Manual Integrations
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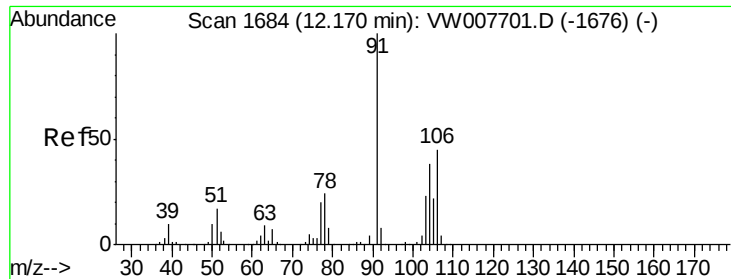
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#68
m/p-Xylenes
Concen: 40.533 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:106 Resp: 69650
Ion Ratio Lower Upper
106 100
91 212.5 165.2 247.8





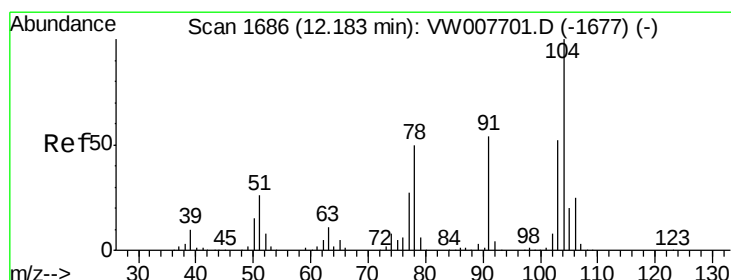
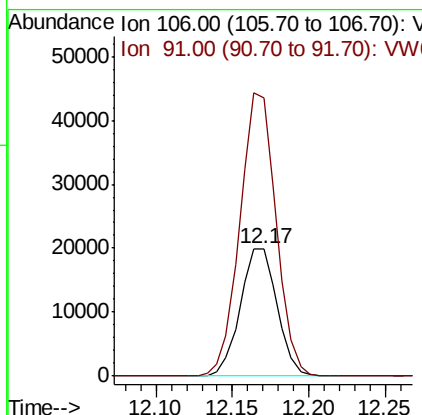
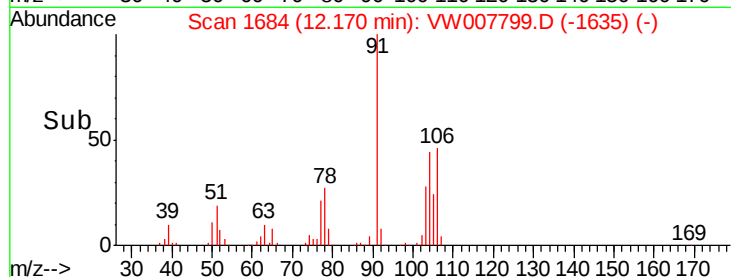
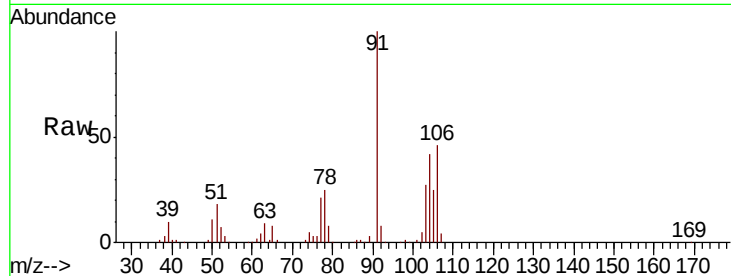
#69
o-Xylene
Concen: 20.687 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion:106 Resp: 33322
Ion Ratio Lower Upper
106 100
91 217.9 110.5 331.4

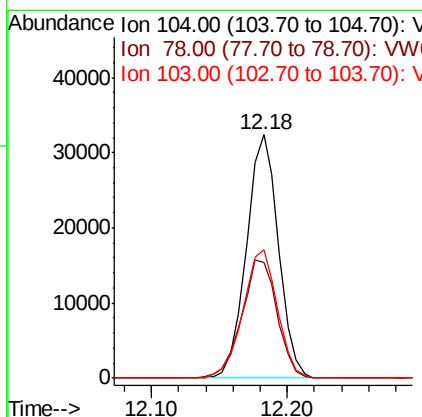
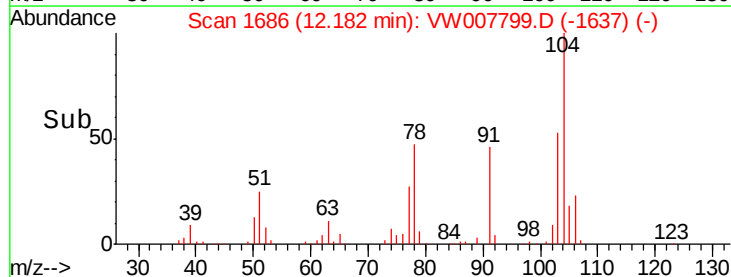
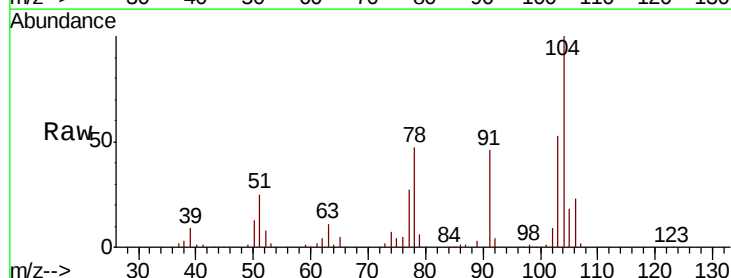
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#70
Styrene
Concen: 20.156 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:104 Resp: 53367
Ion Ratio Lower Upper
104 100
78 53.6 43.4 65.0
103 56.4 44.5 66.7





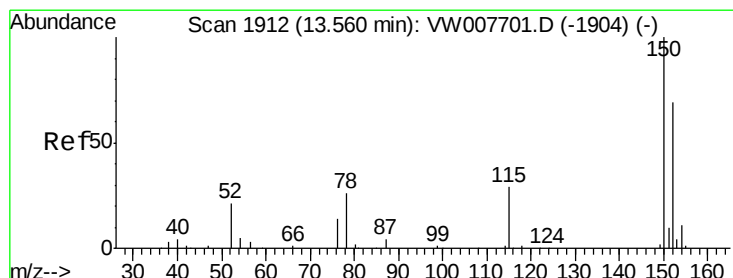
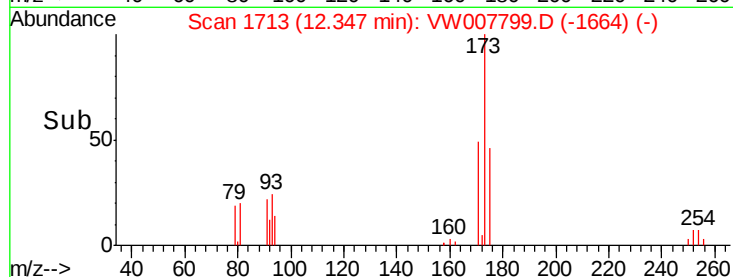
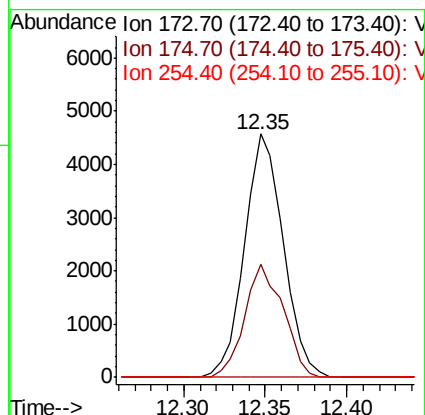
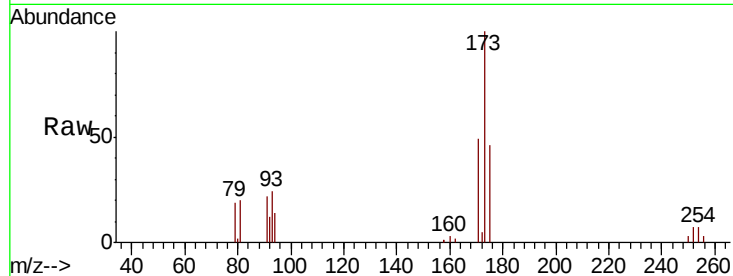
#71
Bromoform
Concen: 15.851 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.0	23.9	71.7
254	0.0	0.0	0.0

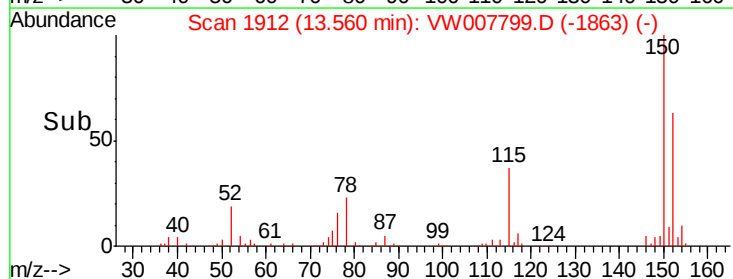
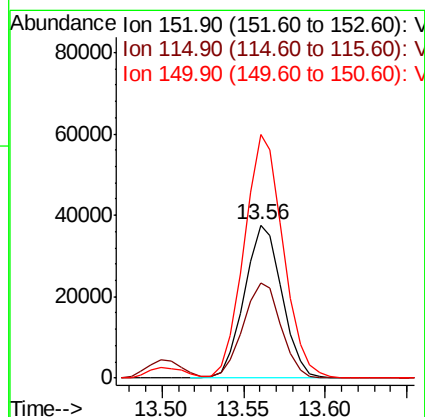
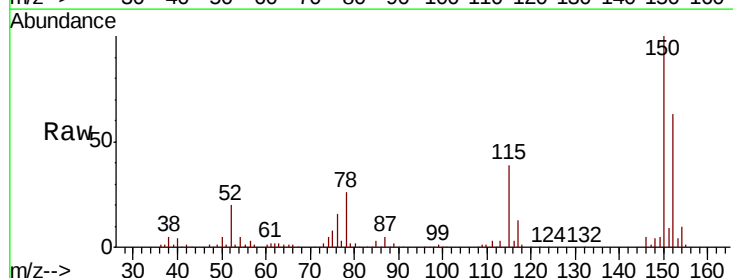
Manual Integrations
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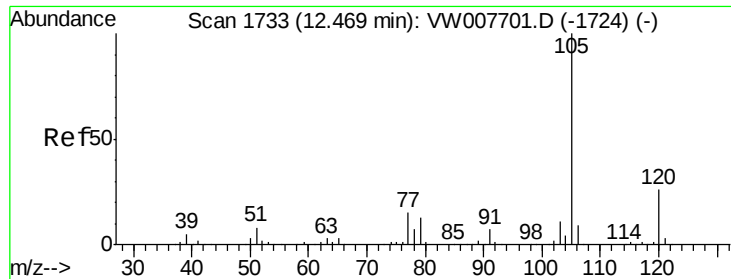
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.0	31.8	95.4
150	165.6	0.0	350.8





#73

Isopropylbenzene

Concen: 20.551 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion:105 Resp: 93358

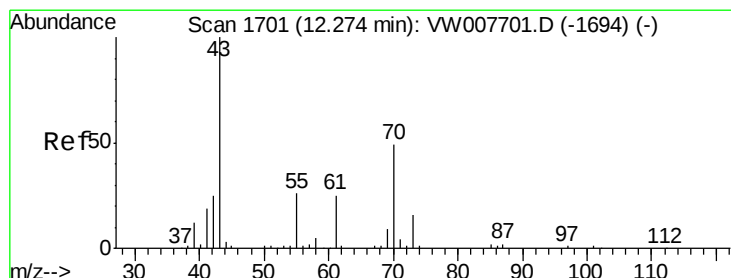
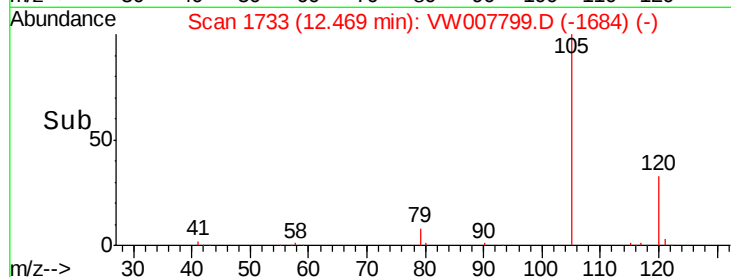
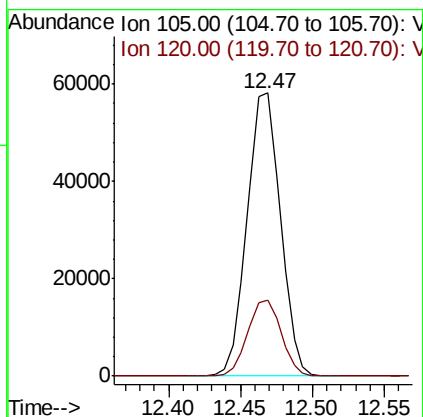
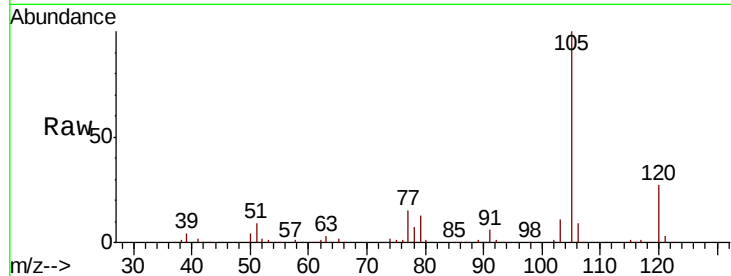
Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.3

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#74

N-ethyl acetate

Concen: 21.125 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion: 43 Resp: 16622

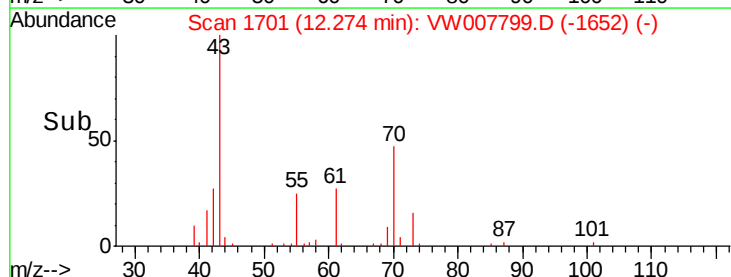
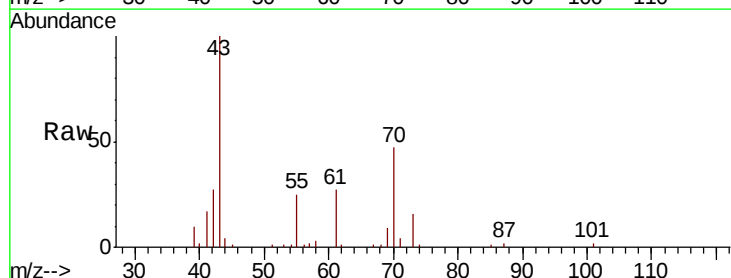
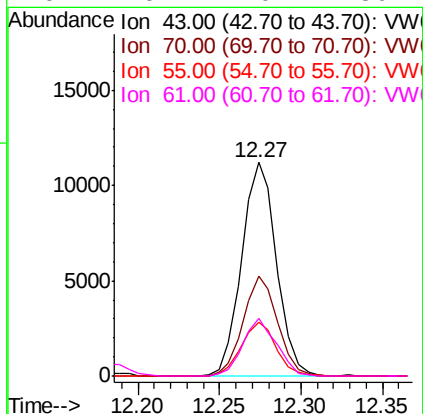
Ion Ratio Lower Upper

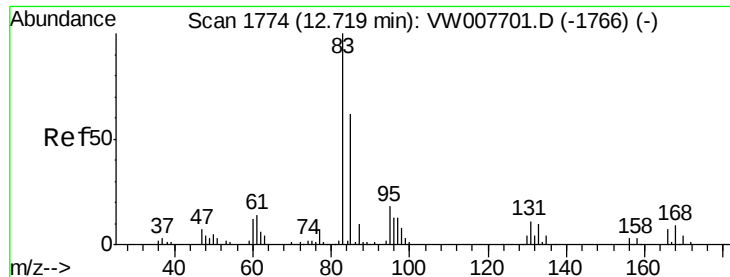
43 100

70 46.1 37.6 56.4

55 25.4 21.7 32.5

61 26.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 19.740 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

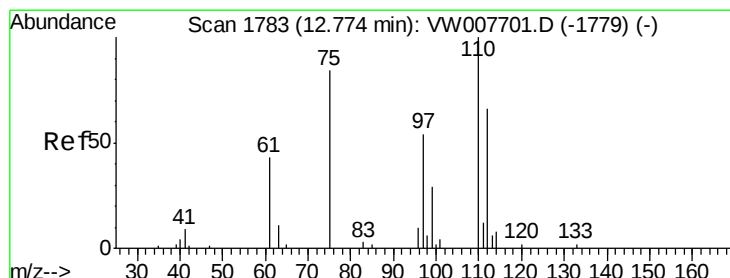
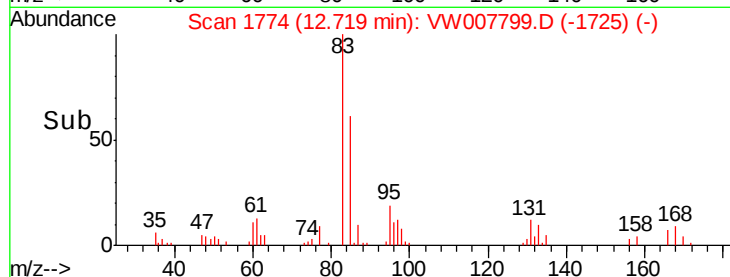
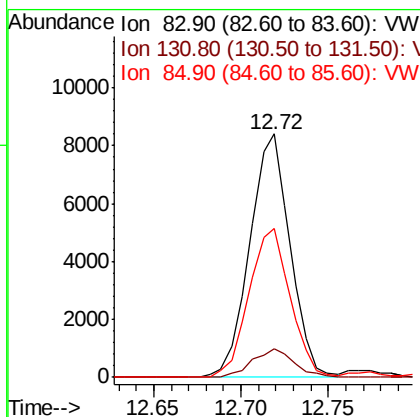
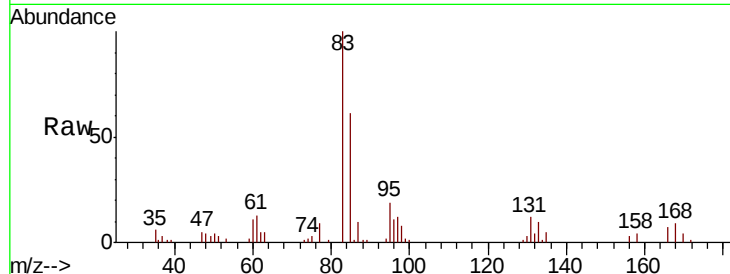
ClientSampleId :

VW1223SBS01

Tot Ion:	83	Resp:	13445
Ion Ratio	Lower	Upper	
83	100		
131	12.2	6.3	18.8
85	63.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.515 ug/l m

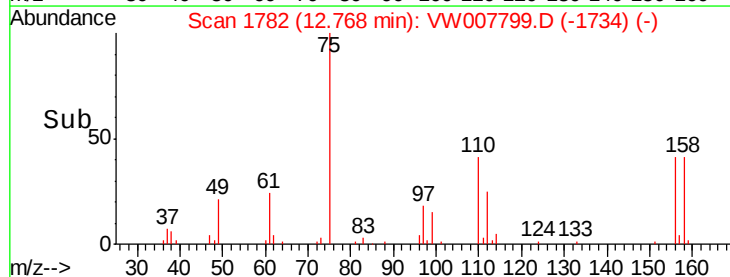
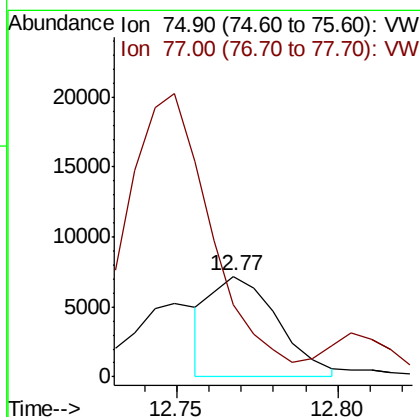
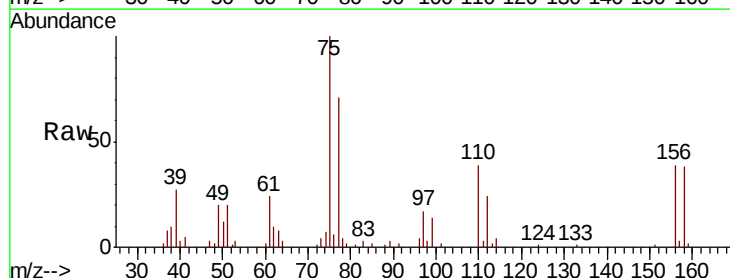
RT: 12.77 min Scan# 1782

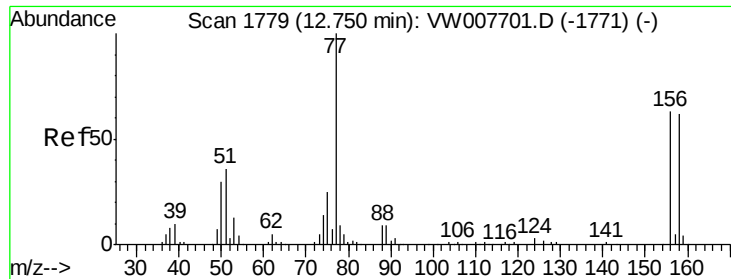
Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion:	75	Resp:	10458
Ion Ratio	Lower	Upper	
75	100		
77	355.8	0.0	0.0#





#77

Bromobenzene

Concen: 19.793 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Instrument :

MSVOA_W

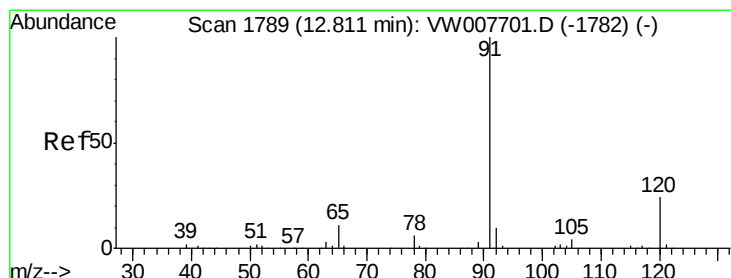
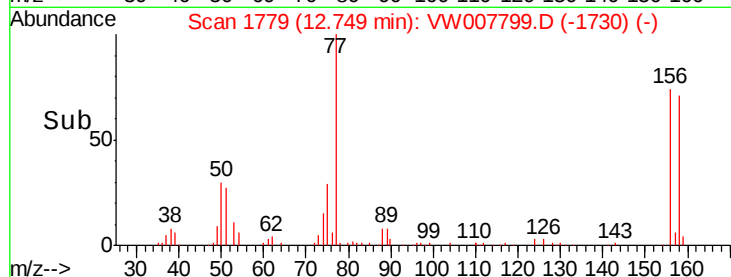
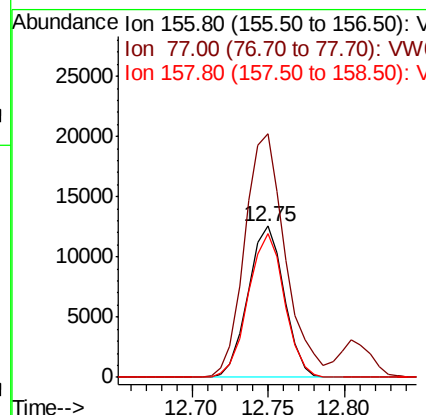
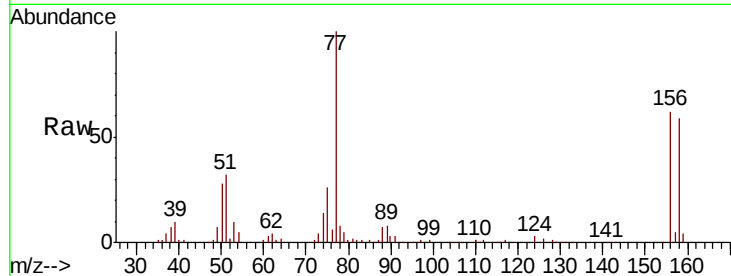
ClientSampleId :

VW1223SBS01

Tot Ion	156	Resp	20606
Ion Ratio	100	Lower	Upper
77	180.6	87.4	262.1
158	95.3	48.4	145.0

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#78

n-propylbenzene

Concen: 20.566 ug/l

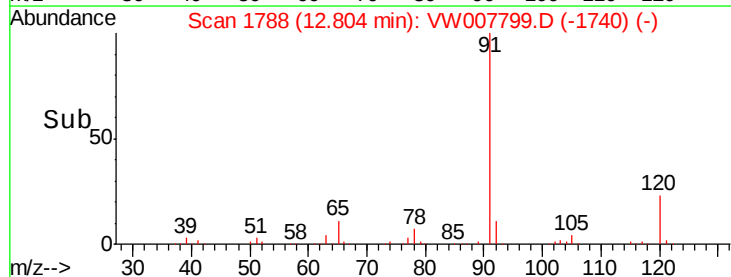
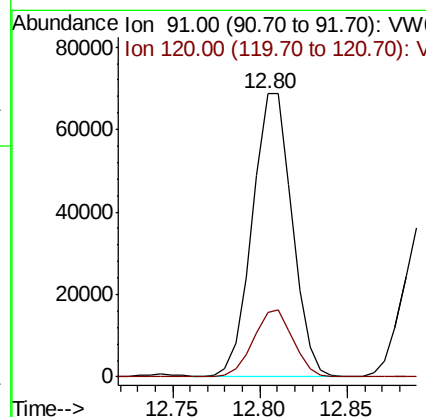
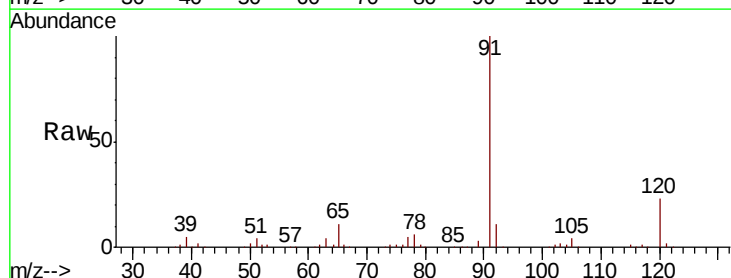
RT: 12.80 min Scan# 1788

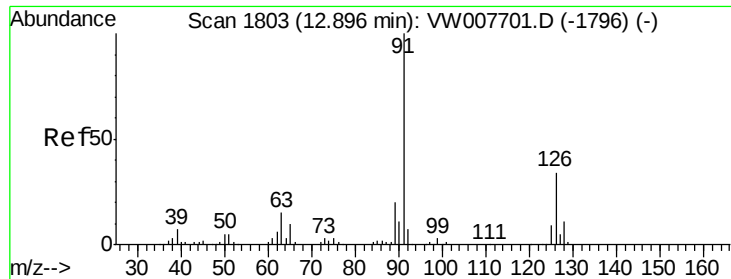
Delta R.T. -0.01 min

Lab File: VW007799.D

Acq: 21 Dec 2018 17:12

Tgt Ion	91	Resp	108752
Ion Ratio	100	Lower	Upper
91	100		
120	23.6	11.9	35.7





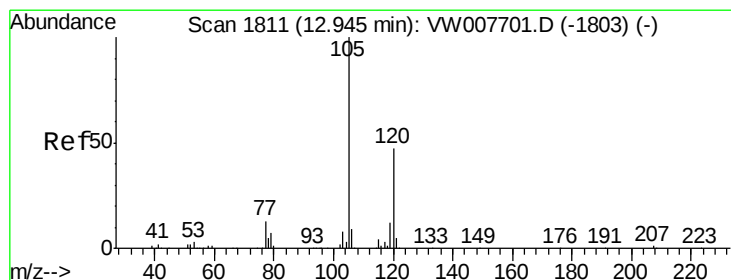
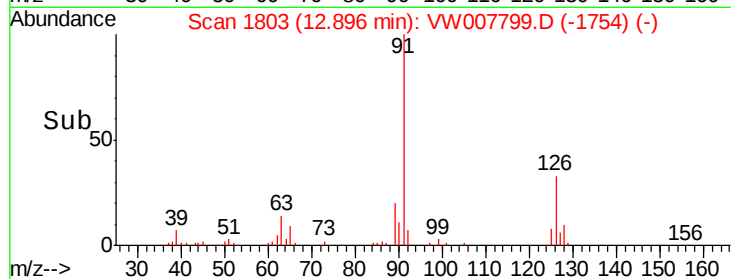
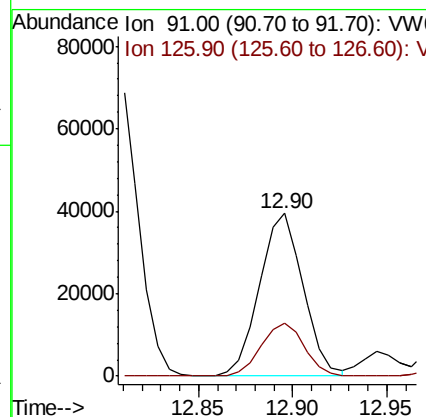
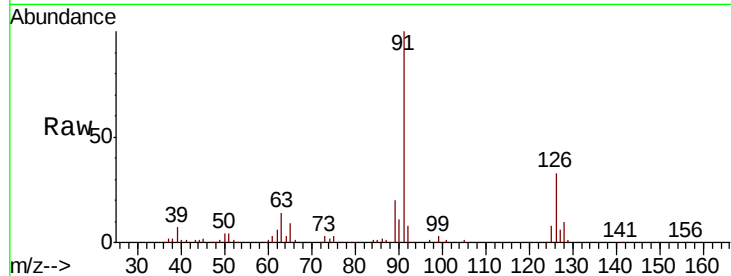
#79
2-Chlorotoluene
Concen: 20.485 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 91 Resp: 63103
Ion Ratio Lower Upper
91 100
126 32.5 17.0 51.0

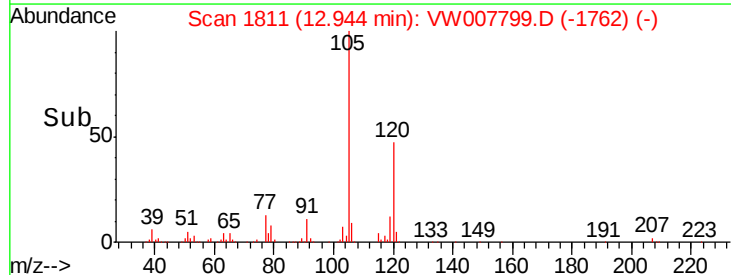
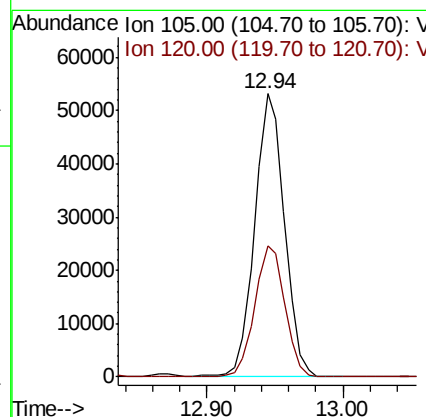
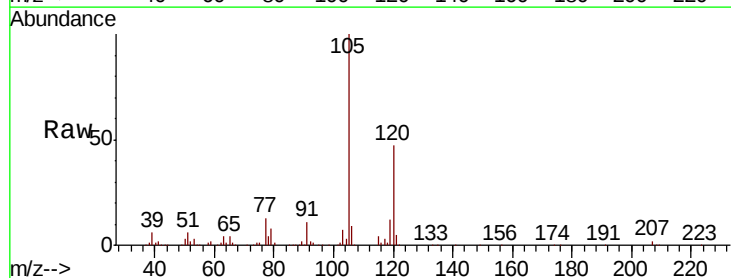
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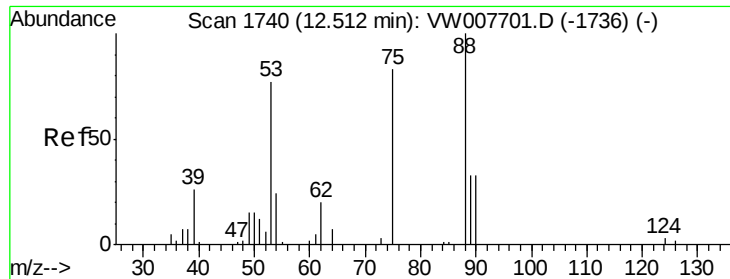
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#80
1,3,5-Trimethylbenzene
Concen: 20.809 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion:105 Resp: 81536
Ion Ratio Lower Upper
105 100
120 47.1 23.6 70.8





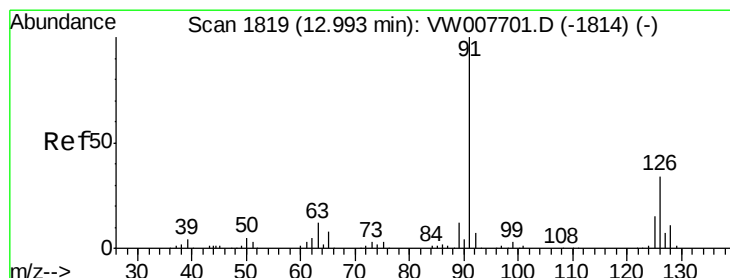
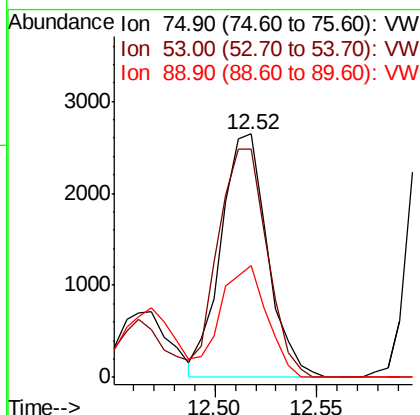
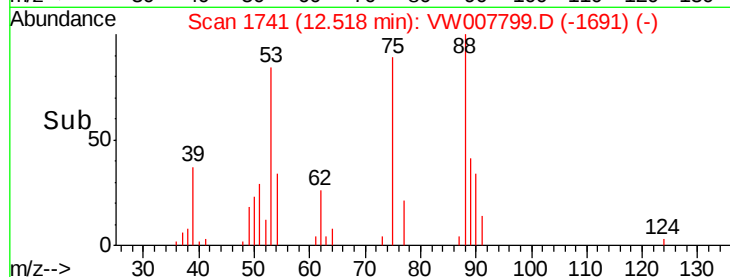
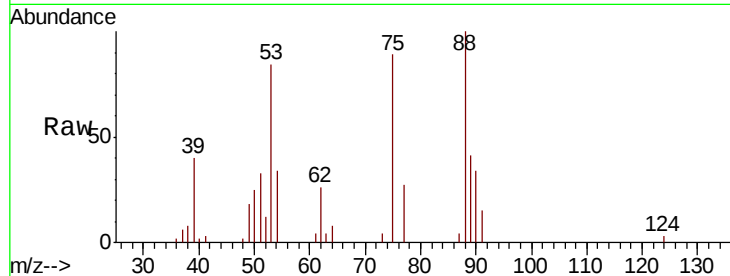
#81
trans-1,4-Dichloro-2-butene
Concen: 18.890 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	80.2	120.2
89	46.5	39.2	58.8

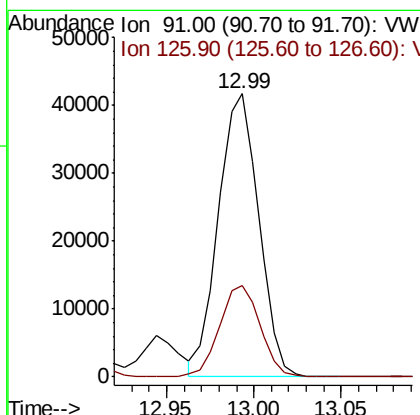
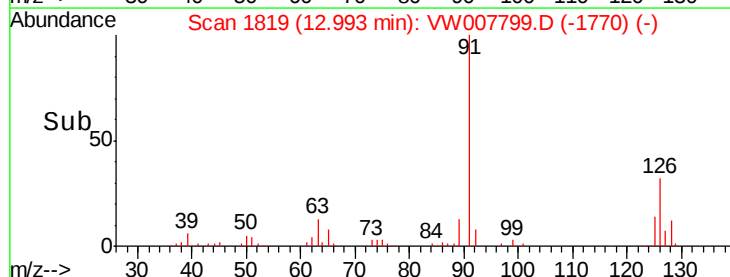
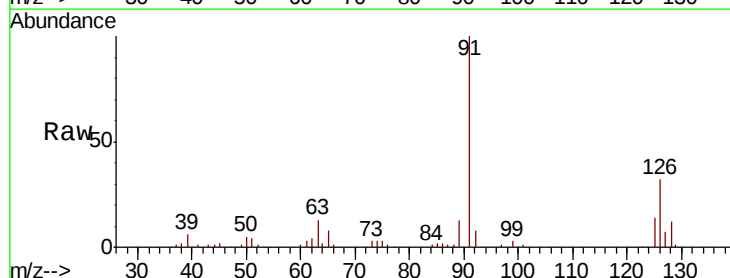
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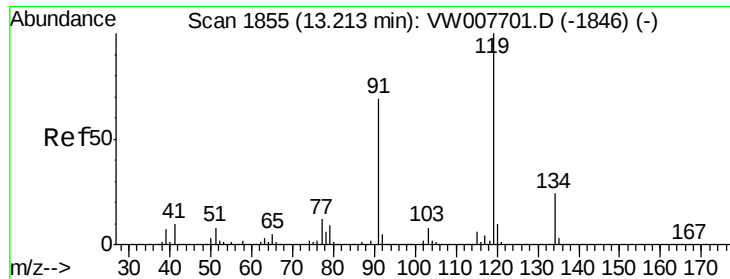
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#82
4-Chlorotoluene
Concen: 20.406 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.5	49.5





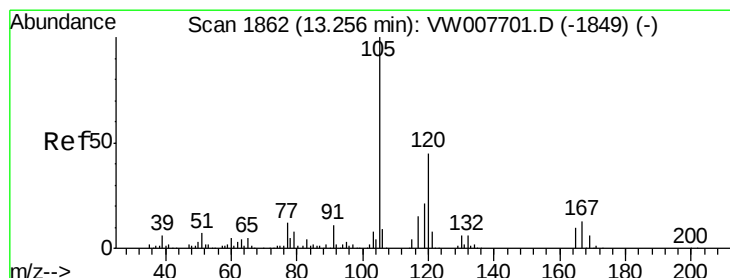
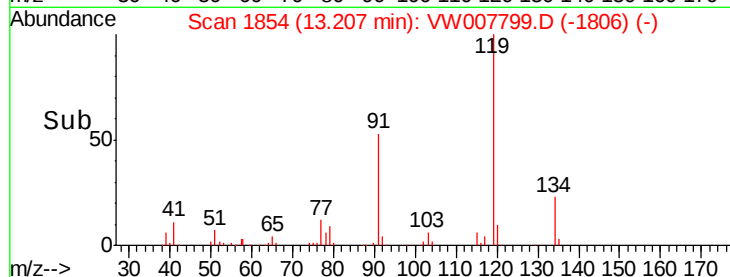
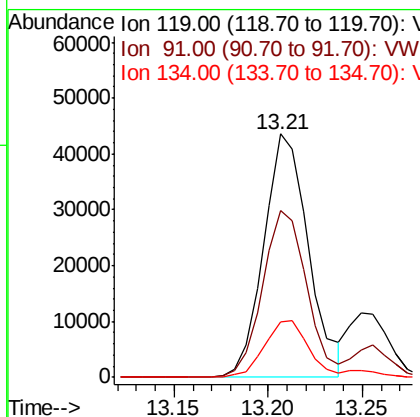
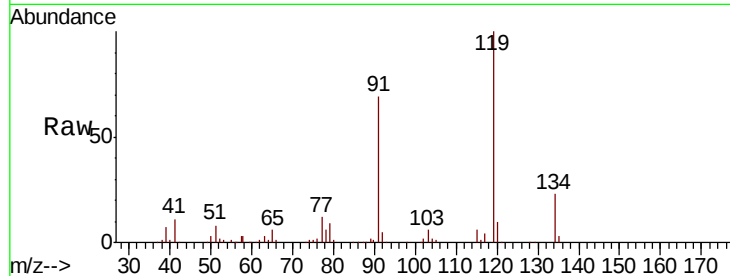
#83
tert-Butylbenzene
Concen: 20.870 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.5
134	25.0	12.8	38.4

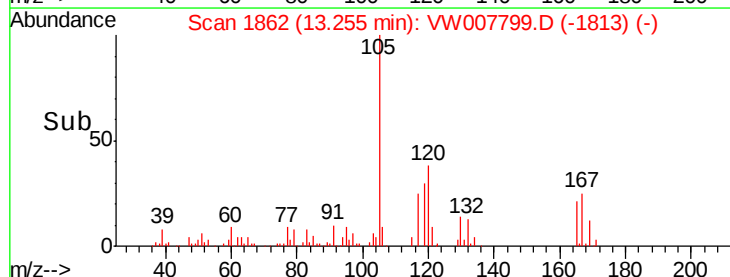
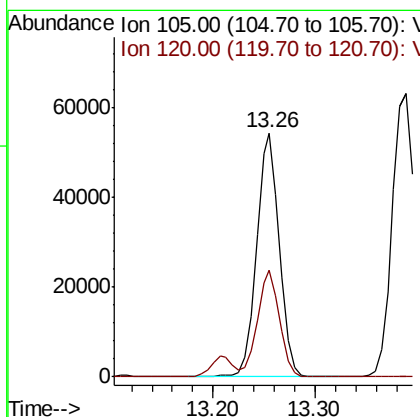
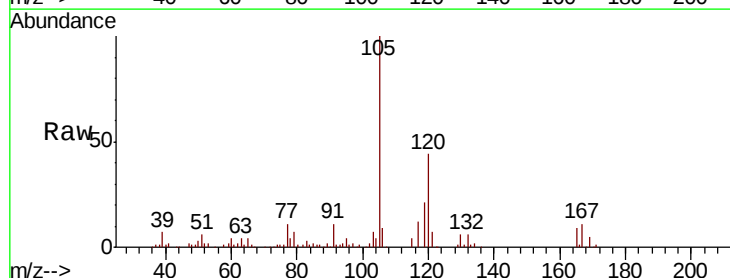
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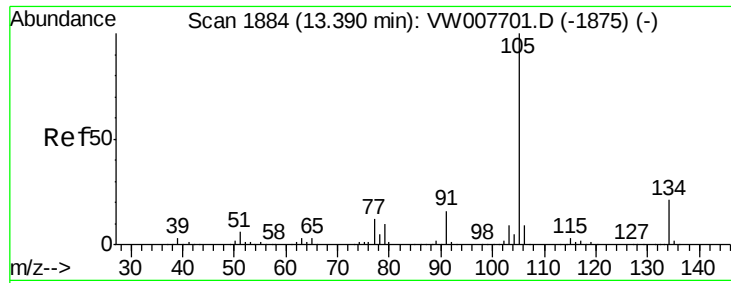
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#84
1,2,4-Trimethylbenzene
Concen: 21.320 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	22.0	66.0





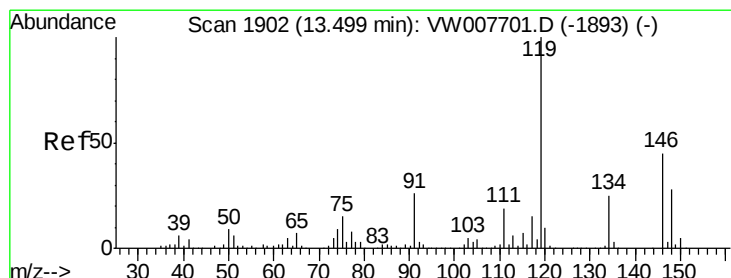
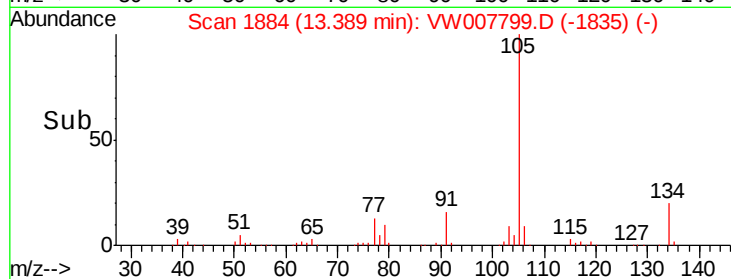
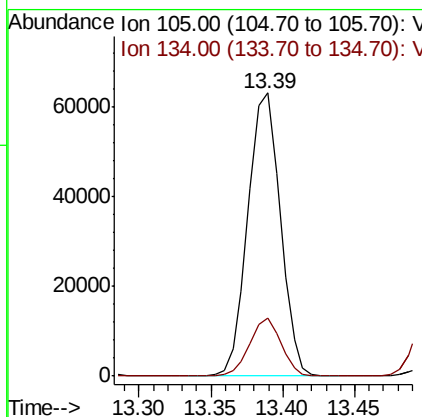
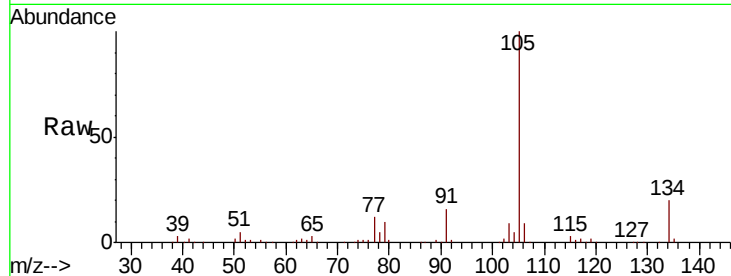
#85
 sec-Butylbenzene
 Concen: 20.856 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion:105 Resp: 98822
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.2 30.4

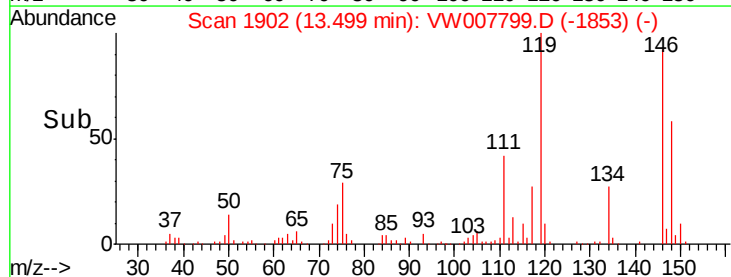
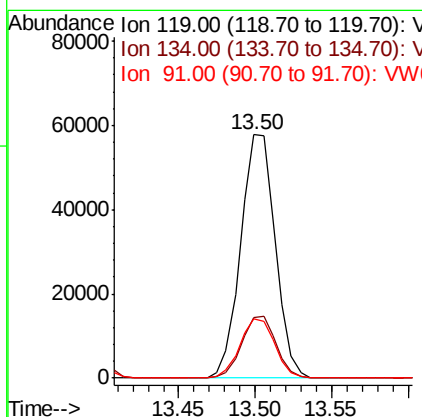
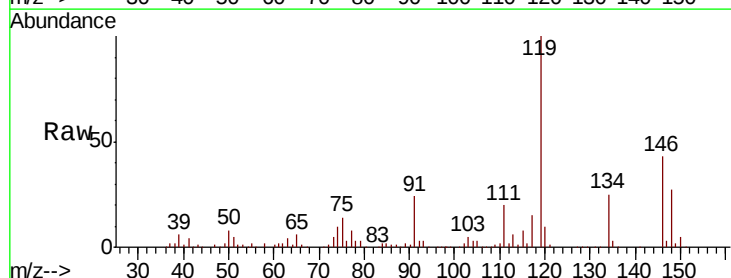
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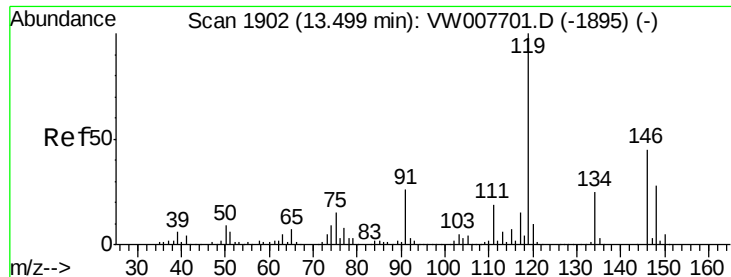
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#86
 p-Isopropyltoluene
 Concen: 21.039 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion:119 Resp: 90649
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 39.0
 91 24.6 12.8 38.4





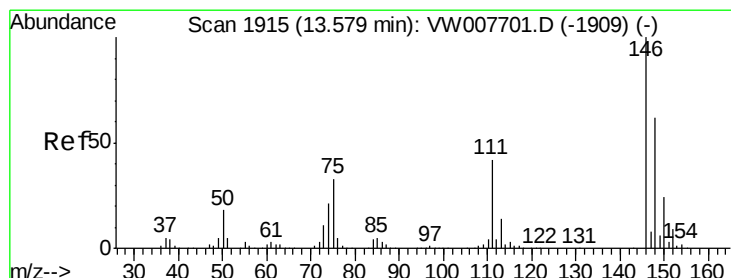
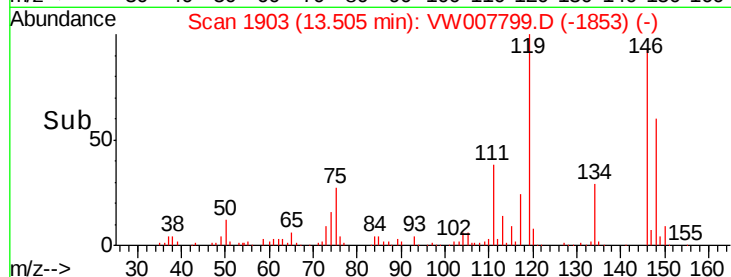
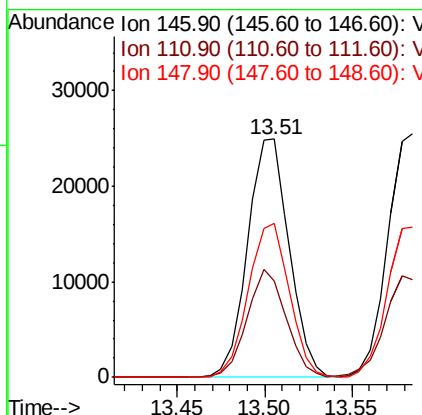
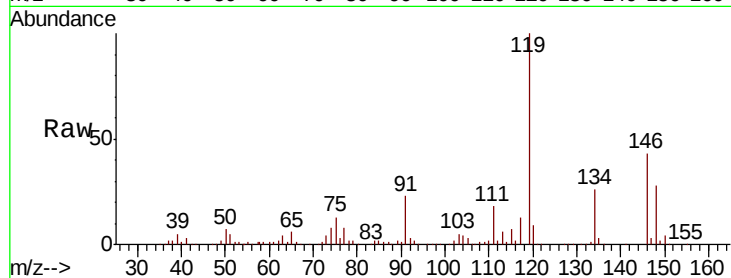
#87
 1,3-Dichlorobenzene
 Concen: 19.930 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	41196		
111	42.6	21.1	63.4	
148	64.1	32.1	96.5	

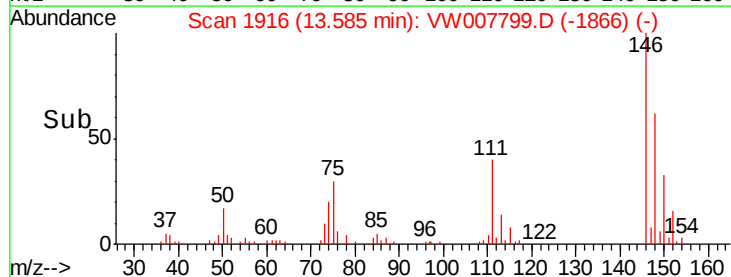
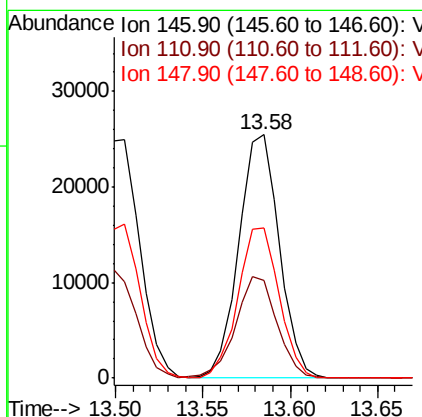
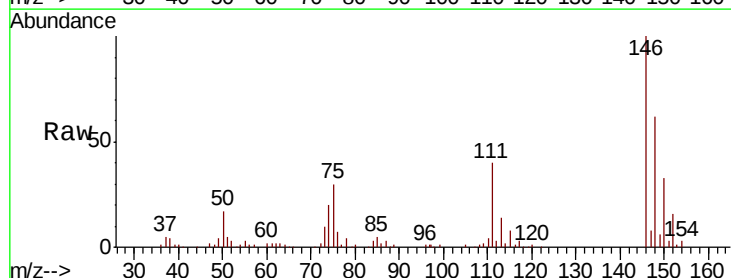
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#88
 1,4-Dichlorobenzene
 Concen: 19.878 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	41100		
111	42.4	21.0	63.0	
148	62.7	31.8	95.4	





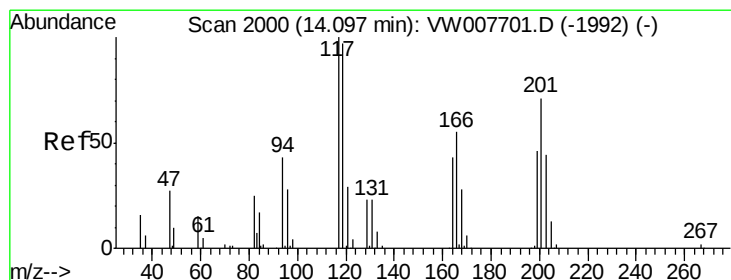
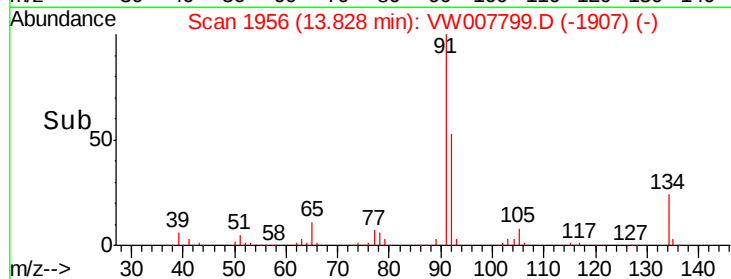
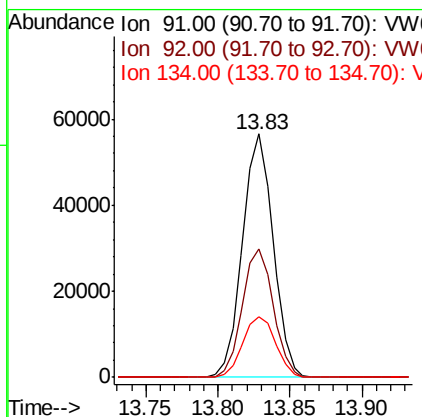
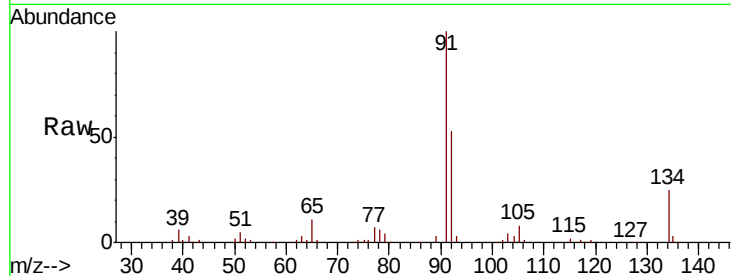
#89
n-Butylbenzene
Concen: 21.161 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.2
134	26.6	13.7	41.0

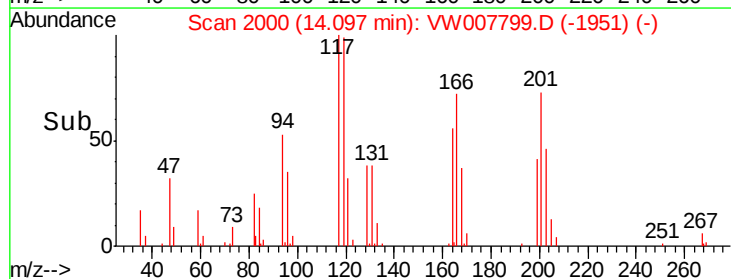
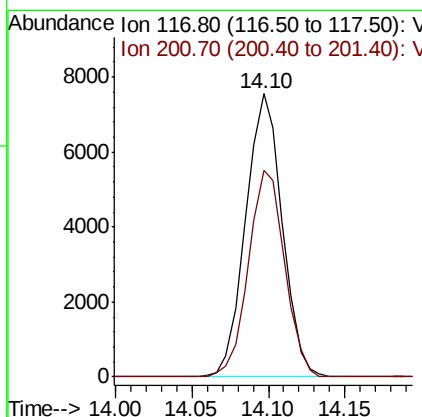
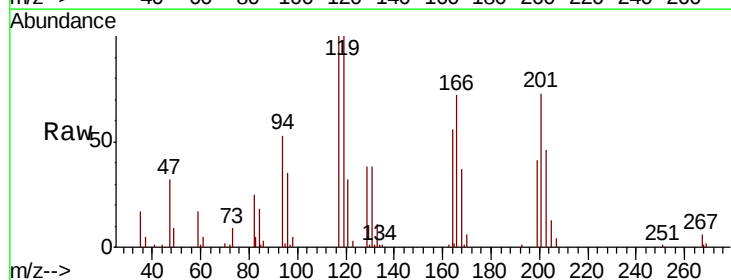
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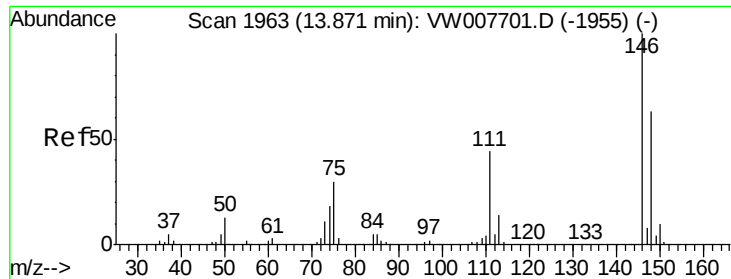
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#90
Hexachloroethane
Concen: 16.597 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.3	36.2	108.6





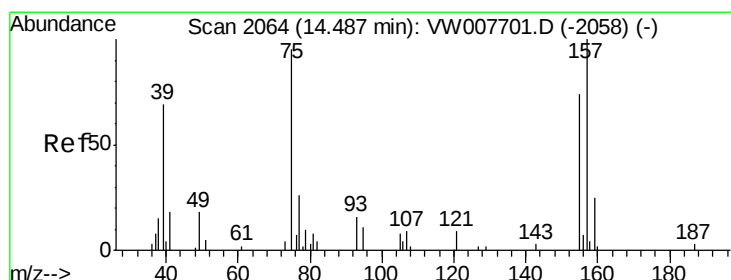
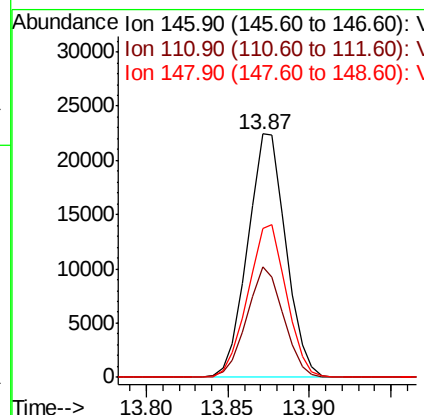
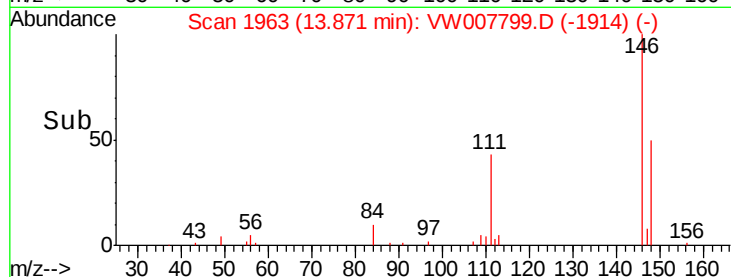
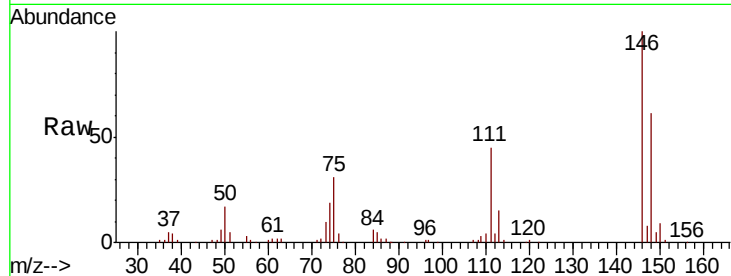
#91
 1,2-Dichlorobenzene
 Concen: 19.816 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.7	65.1
148	63.4	32.1	96.5

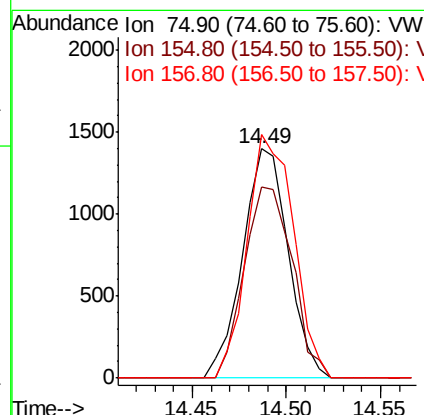
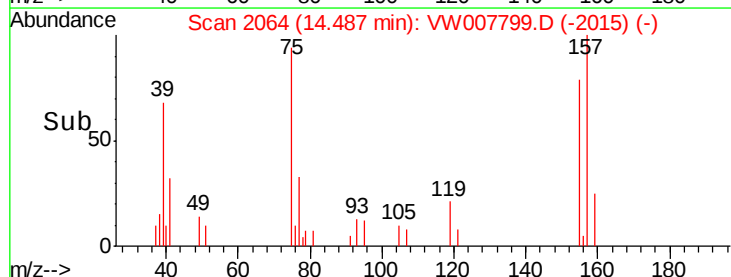
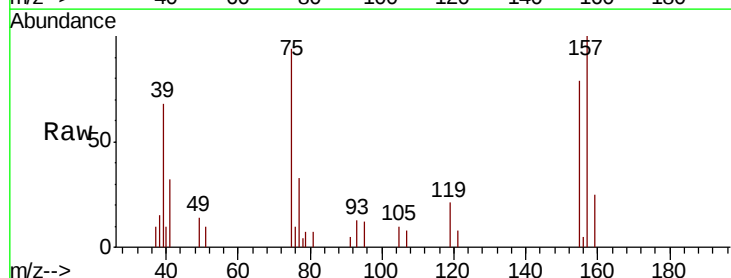
Manual Integrations
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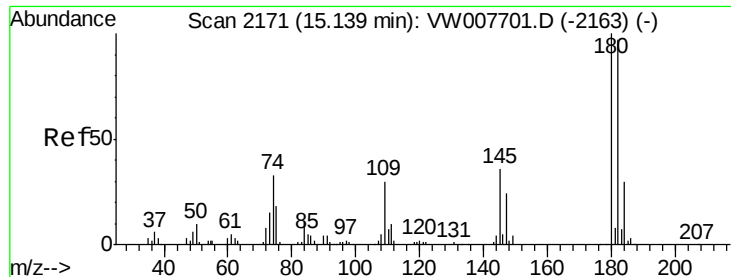
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 12/26/2018 10:58:52 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.779 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.2	39.4	118.1
157	108.0	52.0	156.0





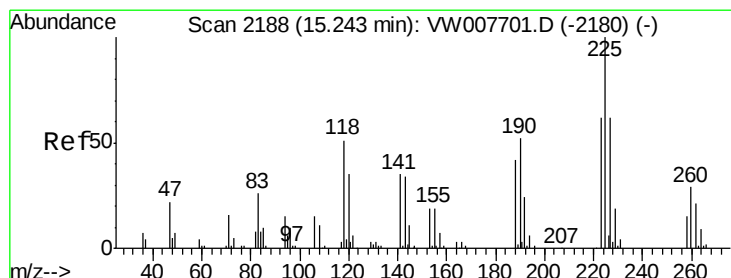
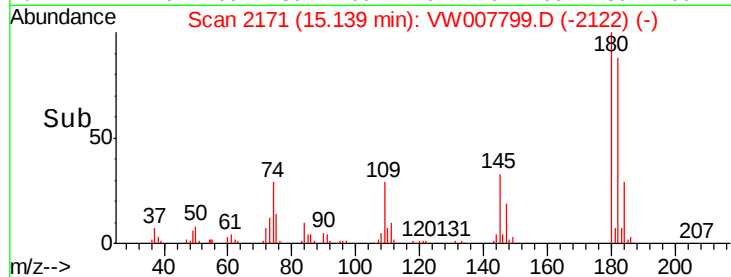
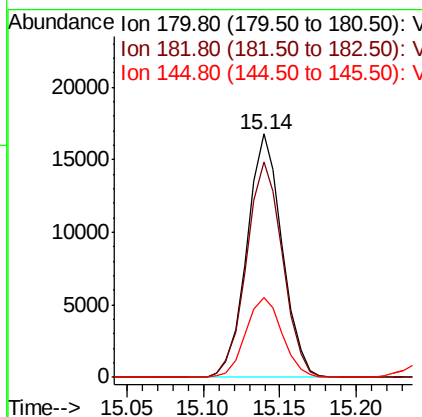
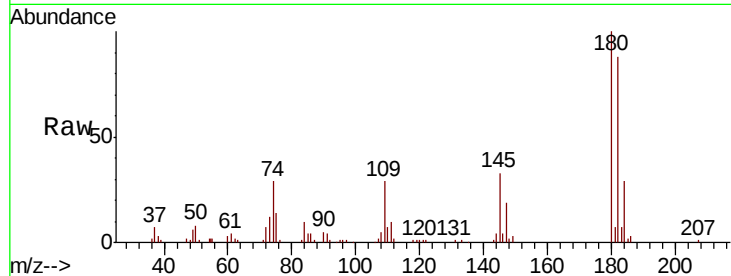
#93
 1,2,4-Trichlorobenzene
 Concen: 20.894 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.5	142.6
145	33.8	17.5	52.5

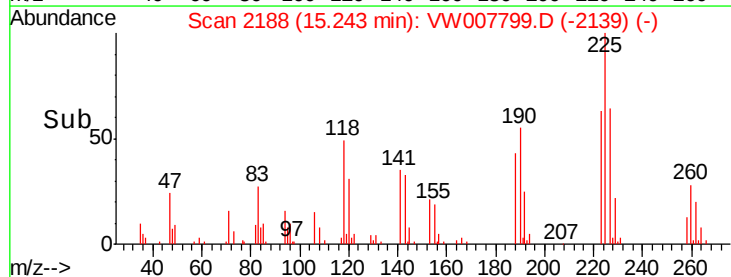
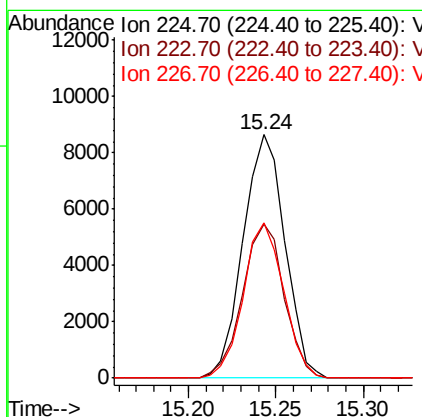
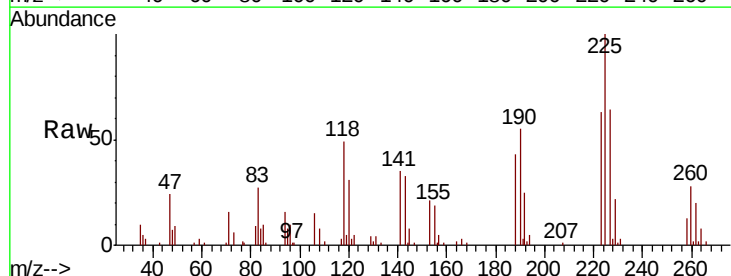
Manual Integrations
 APPROVED

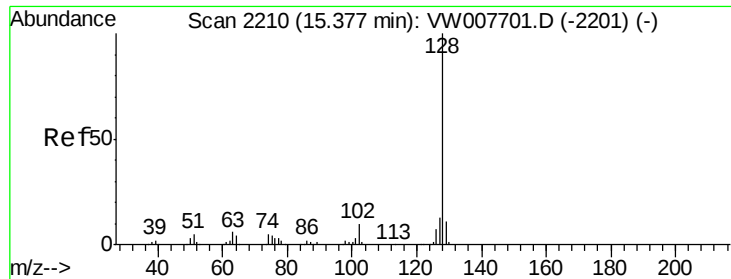
MMDadoda
 12/26/2018 10:58:52 AM



#94
 Hexachlorobutadiene
 Concen: 20.938 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007799.D
 Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.6	94.8
227	61.5	32.1	96.3





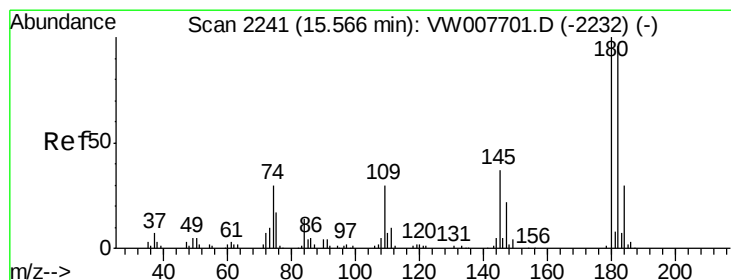
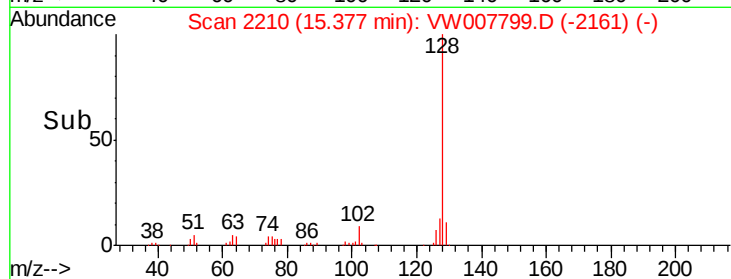
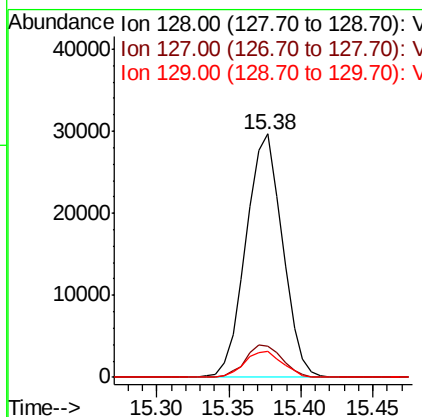
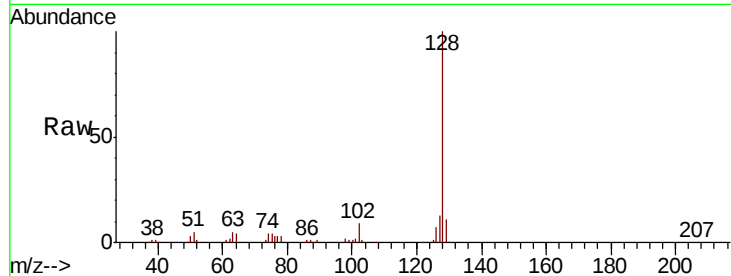
#95
Naphthalene
Concen: 21.922 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.7	16.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:58:52 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.376 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007799.D
Acq: 21 Dec 2018 17:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.4	142.2
145	37.1	18.4	55.0

