

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122318\
 Data File : VW007800.D
 Acq On : 21 Dec 2018 17:38
 Operator : SY/AP
 Sample : VW1223SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WV1223SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:58:56 AM

Quant Time: Dec 22 00:17:04 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	79050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	127797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	115472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	59152	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	47035	54.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.58%	
35) Dibromofluoromethane	7.88	113	42546	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
50) Toluene-d8	10.32	98	164634	56.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.04%	
62) 4-Bromofluorobenzene	12.62	95	63928	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	11879	16.904	ug/l	93
3) Chloromethane	2.21	50	9171	21.252	ug/l	98
4) Vinyl Chloride	2.37	62	11328	20.622	ug/l	91
5) Bromomethane	2.78	94	7910	20.674	ug/l	99
6) Chloroethane	2.93	64	6448	21.941	ug/l	98
7) Trichlorofluoromethane	3.25	101	8604	15.045	ug/l	98
8) Diethyl Ether	3.67	74	7121	20.329	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15207	18.055	ug/l	98
10) Methyl Iodide	4.27	142	24730	18.463	ug/l	96
11) Tert butyl alcohol	5.19	59	6486	110.972	ug/l	98
12) 1,1-Dichloroethene	4.03	96	14548	18.653	ug/l	97
13) Acrolein	3.89	56	4335	92.763	ug/l	97
14) Allyl chloride	4.66	41	20593	20.135	ug/l	92
15) Acrylonitrile	5.37	53	16487	110.339	ug/l	99
16) Acetone	4.12	43	16478	101.562	ug/l #	87
17) Carbon Disulfide	4.37	76	40285	16.691	ug/l	99
18) Methyl Acetate	4.67	43	8539	22.130	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	25082	22.401	ug/l	98
20) Methylene Chloride	4.90	84	18022	18.201	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	16486	19.220	ug/l	96
22) Diisopropyl ether	6.31	45	40426	21.109	ug/l	97
23) Vinyl Acetate	6.25	43	125425	110.234	ug/l	97
24) 1,1-Dichloroethane	6.21	63	28066	19.921	ug/l	96
25) 2-Butanone	7.18	43	21429	112.762	ug/l	97
26) 2,2-Dichloropropane	7.17	77	19557	18.970	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	17930	19.620	ug/l	96
28) Bromochloromethane	7.51	49	9460	19.694	ug/l	99
29) Tetrahydrofuran	7.53	42	13409	118.293	ug/l	96
30) Chloroform	7.68	83	30373	19.050	ug/l	96
31) Cyclohexane	7.95	56	25686	19.915	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	26399	18.180	ug/l	98
36) 1,1-Dichloropropene	8.08	75	24328	19.723	ug/l	99
37) Ethyl Acetate	7.26	43	8897	20.900	ug/l	97
38) Carbon Tetrachloride	8.07	117	24397	16.795	ug/l	95

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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)
39) Methylcyclohexane	9.34	83	30359	19.807	ug/l	98
40) Benzene	8.32	78	65294	19.837	ug/l	97
41) Methacrylonitrile	7.48	41	5274	21.822	ug/l	98
42) 1,2-Dichloroethane	8.40	62	21178	19.200	ug/l	98
43) Isopropyl Acetate	8.43	43	19233	22.552	ug/l	98
44) Trichloroethene	9.09	130	18666	18.752	ug/l	99
45) 1,2-Dichloropropane	9.37	63	14998	20.535	ug/l	97
46) Dibromomethane	9.46	93	8735	19.429	ug/l	99
47) Bromodichloromethane	9.64	83	21187	17.926	ug/l	99
48) Methyl methacrylate	9.44	41	9681m	22.741	ug/l	
49) 1,4-Dioxane	9.44	88	2783	390.435	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	46391	115.099	ug/l	98
52) Toluene	10.39	92	44547	20.172	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	23677	20.140	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	26029	20.045	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12668	20.439	ug/l	98
56) Ethyl methacrylate	10.65	69	16568	22.625	ug/l	96
57) 1,3-Dichloropropane	10.93	76	21044	20.447	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	42190	126.188	ug/l	98
59) 2-Hexanone	10.97	43	33861	119.458	ug/l	100
60) Dibromochloromethane	11.13	129	14552	17.732	ug/l	100
61) 1,2-Dibromoethane	11.24	107	12720	20.266	ug/l	97
64) Tetrachloroethene	10.86	164	15575	19.048	ug/l	97
65) Chlorobenzene	11.66	112	48489	19.401	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	16720	18.722	ug/l	96
67) Ethyl Benzene	11.73	91	87661	20.440	ug/l	97
68) m/p-Xylenes	11.84	106	68033	40.893	ug/l	98
69) o-Xylene	12.17	106	31926	20.472	ug/l	100
70) Styrene	12.18	104	51862	20.231	ug/l	98
71) Bromoform	12.35	173	7588	16.368	ug/l #	95
73) Isopropylbenzene	12.47	105	89901	20.107	ug/l	99
74) N-amyl acetate	12.27	43	18653	24.084	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	14495	21.622	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	10969m	23.992	ug/l	
77) Bromobenzene	12.75	156	20716	20.217	ug/l	98
78) n-propylbenzene	12.80	91	103911	19.964	ug/l	99
79) 2-Chlorotoluene	12.90	91	61581	20.310	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	78043	20.235	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4170	19.146	ug/l	95
82) 4-Chlorotoluene	12.99	91	64929	20.112	ug/l	99
83) tert-Butylbenzene	13.21	119	68698	20.301	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	80989	20.811	ug/l	99
85) sec-Butylbenzene	13.39	105	94501	20.263	ug/l	99
86) p-Isopropyltoluene	13.50	119	86357	20.363	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	40711	20.010	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	40910	20.102	ug/l	99
89) n-Butylbenzene	13.83	91	78431	20.171	ug/l	99
90) Hexachloroethane	14.10	117	11867	15.939	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	37070	20.350	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2705	19.648	ug/l	96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	26164	20.692	ug/l	100
94) Hexachlorobutadiene	15.24	225	13555	20.059	ug/l	99
95) Naphthalene	15.37	128	54397	23.269	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	22719	20.990	ug/l	100

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

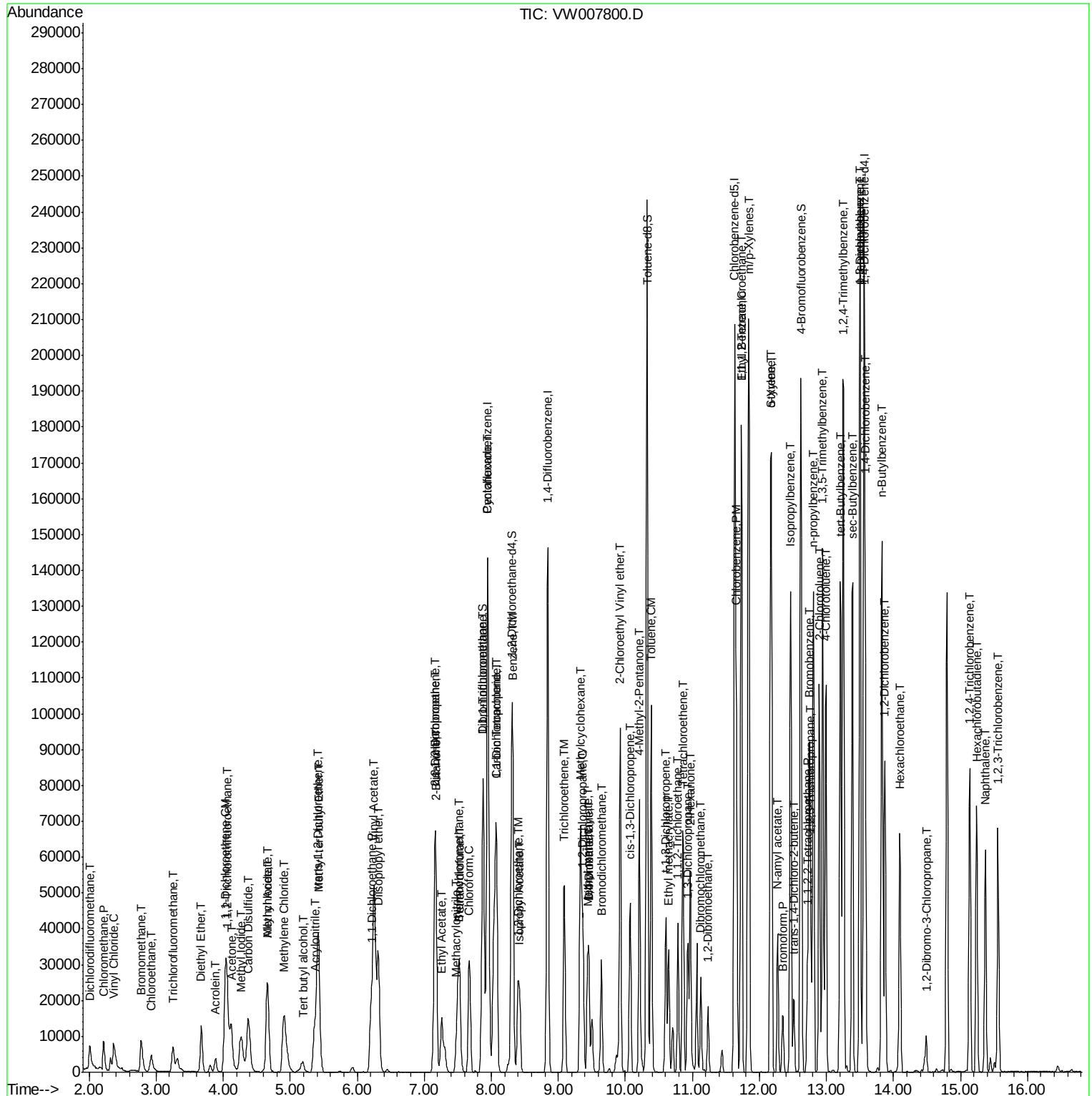
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Data File : VW007800.D
Acq On : 21 Dec 2018 17:38
Operator : SY/AP
Sample : VW1223SBS01
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ALS Vial : 5 Sample Multiplier: 1

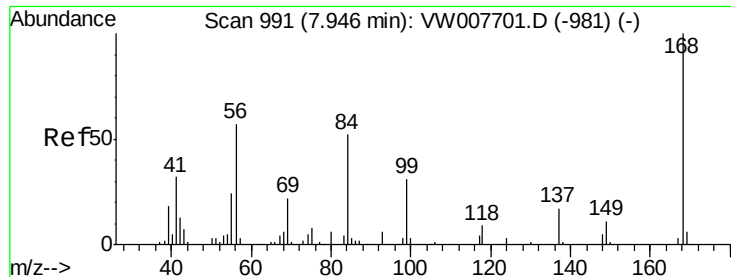
Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion:168 Resp: 79050

Ion Ratio Lower Upper

168 100

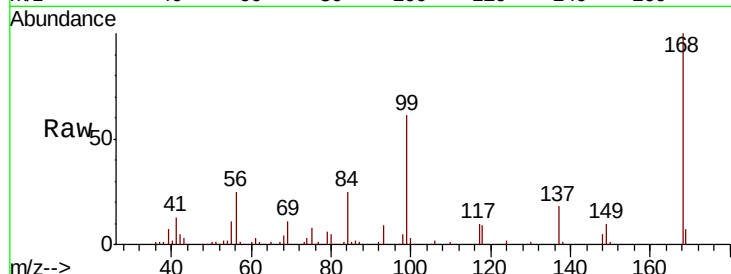
99 61.4 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

40000

30000

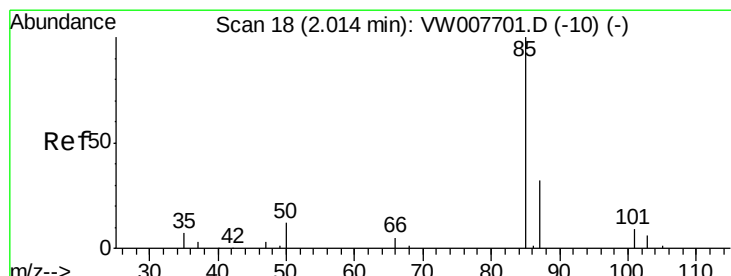
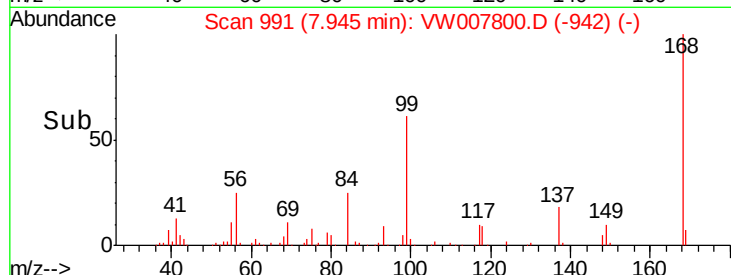
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 16.904 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007800.D

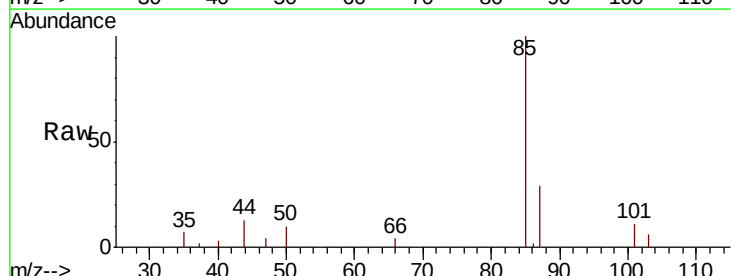
Acq: 21 Dec 2018 17:38

Tgt Ion: 85 Resp: 11879

Ion Ratio Lower Upper

85 100

87 28.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

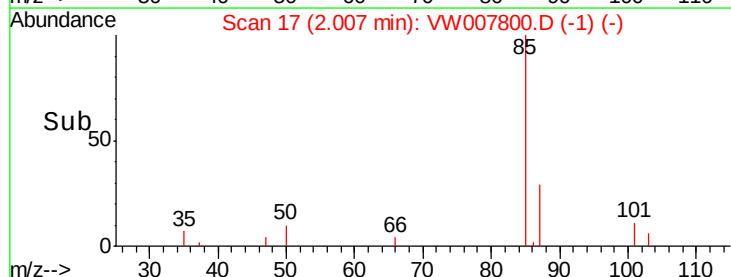
2000

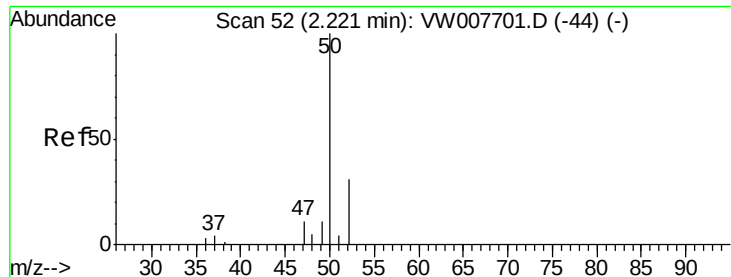
1000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 21.252 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 50 Resp: 9171

Ion Ratio Lower Upper

50 100

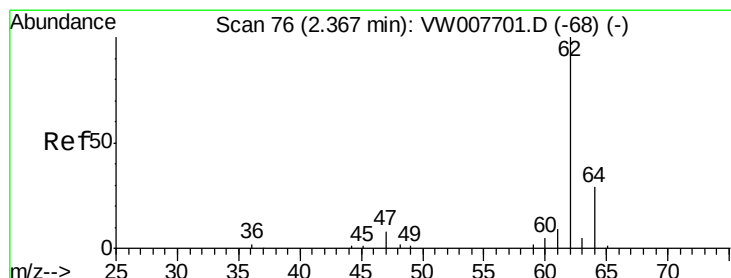
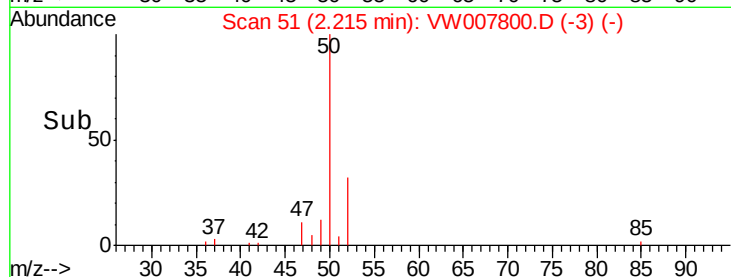
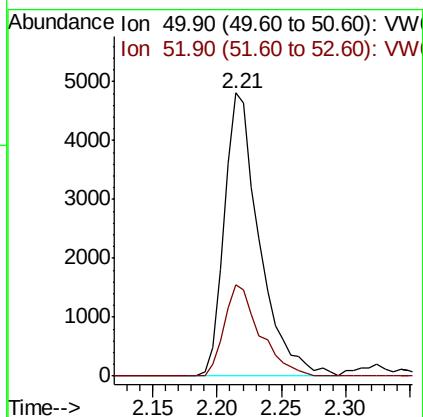
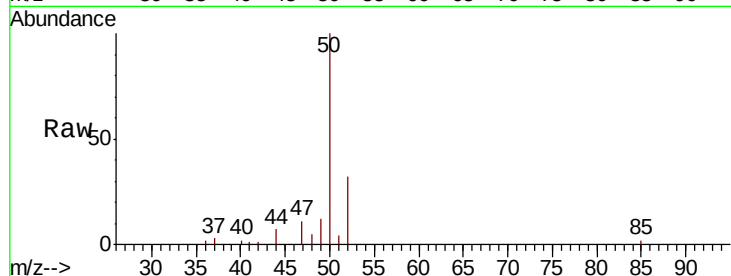
52 32.4 25.1 37.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.622 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW007800.D

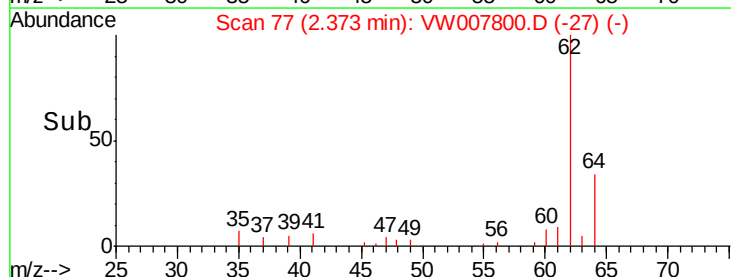
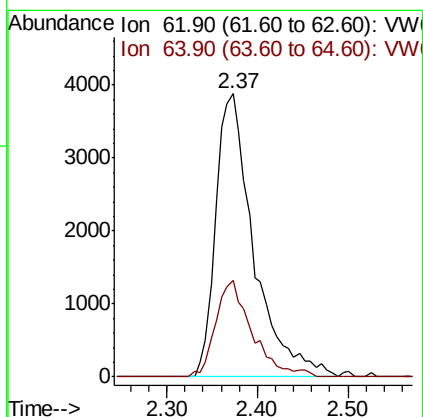
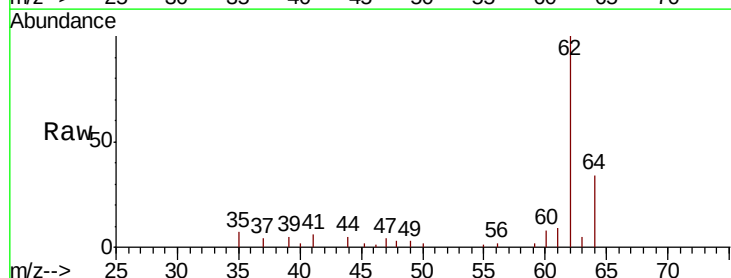
Acq: 21 Dec 2018 17:38

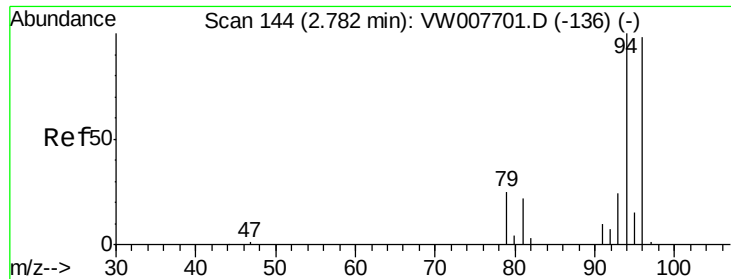
Tgt Ion: 62 Resp: 11328

Ion Ratio Lower Upper

62 100

64 33.9 23.4 35.0





#5

Bromomethane

Concen: 20.674 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 94 Resp: 7910

Ion Ratio Lower Upper

94 100

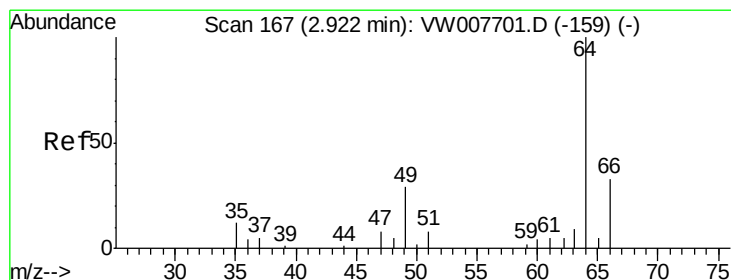
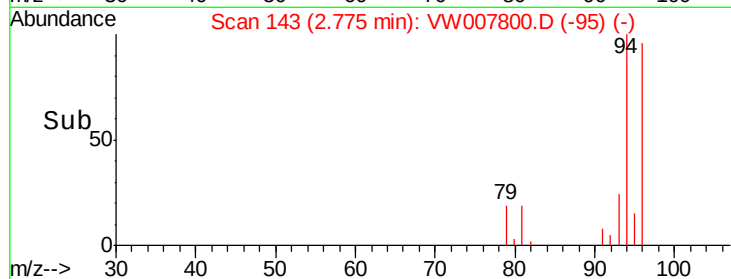
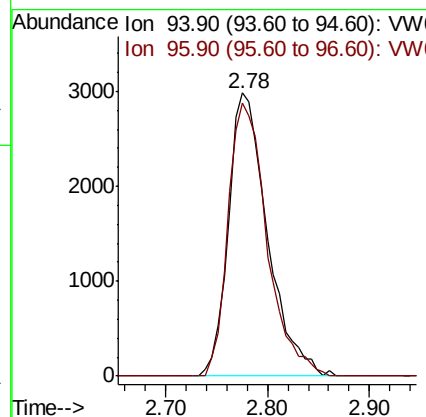
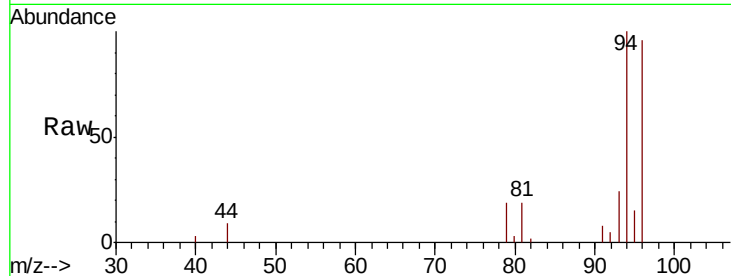
96 96.4 78.2 117.2

Manual Integrations

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#6

Chloroethane

Concen: 21.941 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007800.D

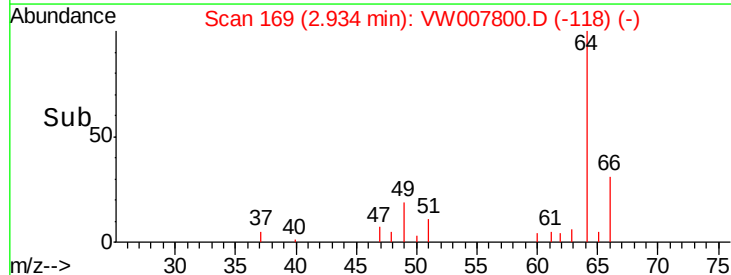
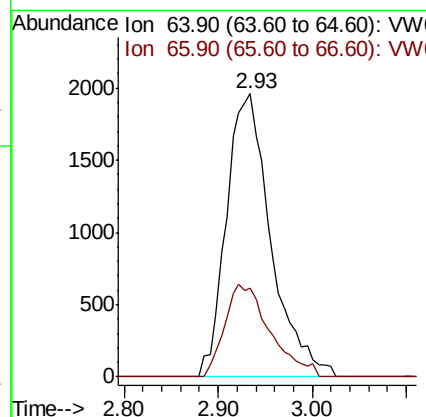
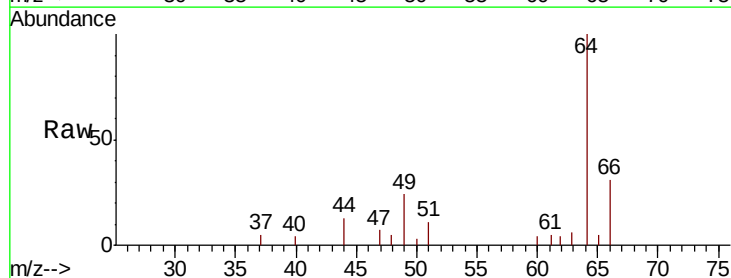
Acq: 21 Dec 2018 17:38

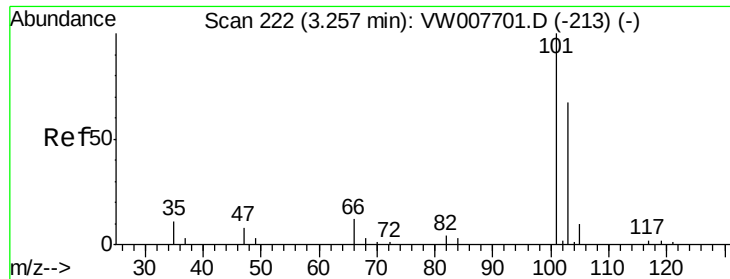
Tgt Ion: 64 Resp: 6448

Ion Ratio Lower Upper

64 100

66 31.5 26.2 39.4





#7

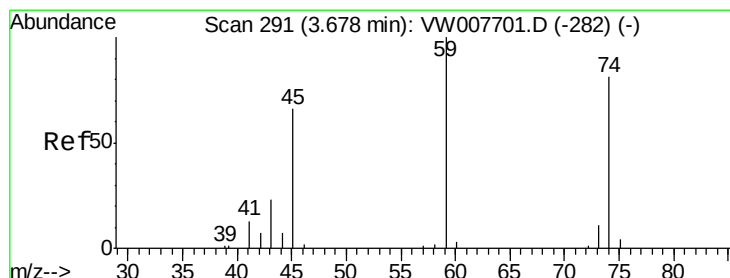
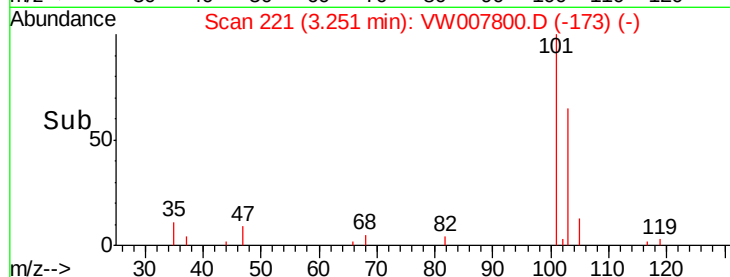
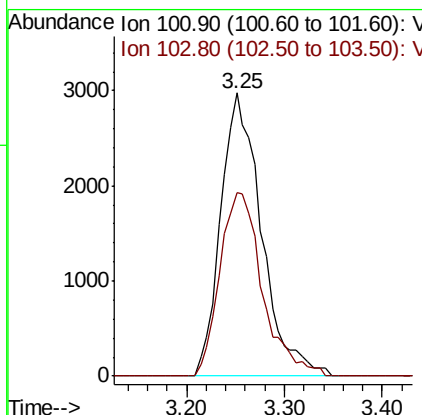
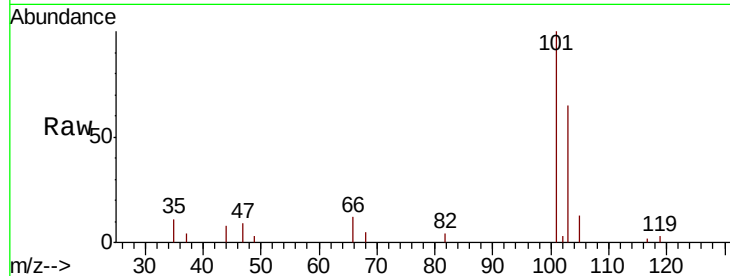
Trichlorofluoromethane
 Concen: 15.045 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	53.4	80.2

Manual Integrations
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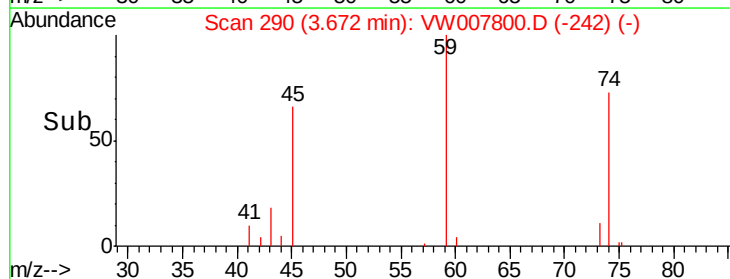
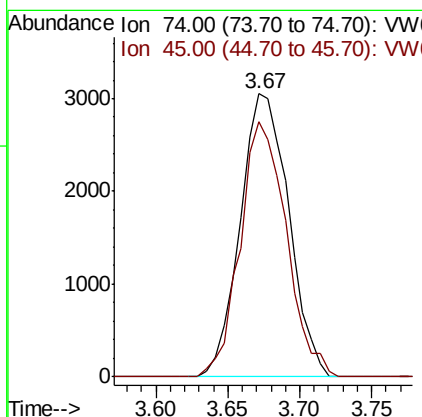
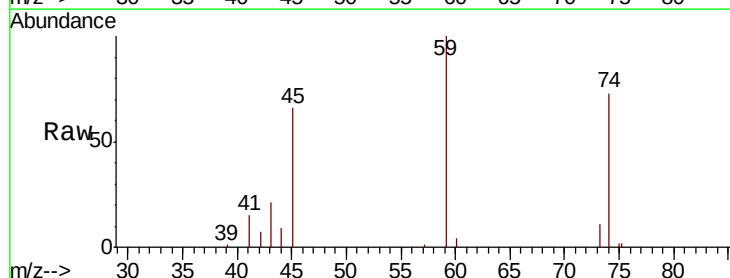
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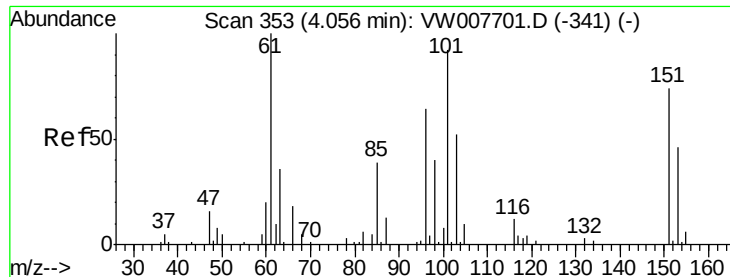


#8

Diethyl Ether
 Concen: 20.329 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.0	39.4	118.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.055 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

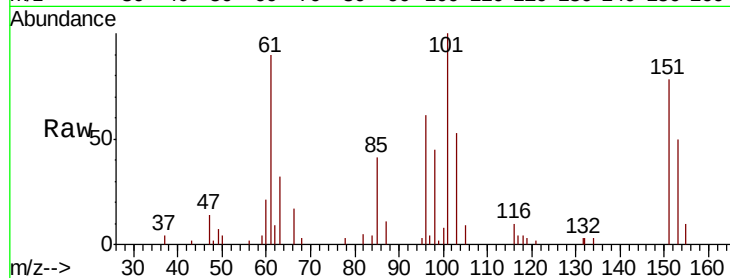
ClientSampleId :

VW1223SBS01

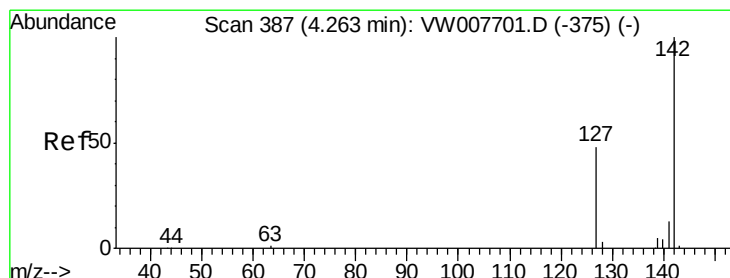
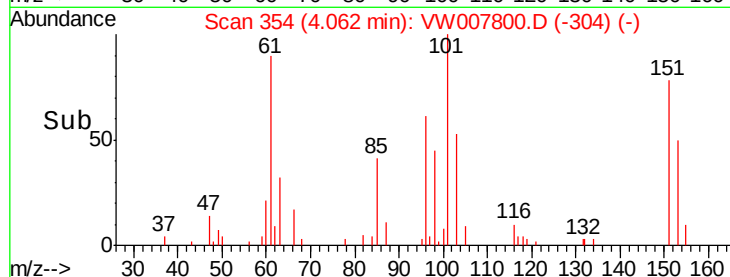
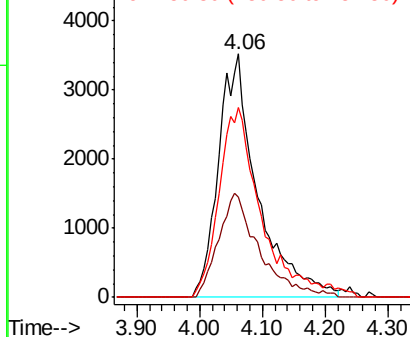
Tot Ion:	101	Resp:	15207
Ion Ratio	Lower	Upper	
101	100		
85	44.8	34.3	51.5
151	81.9	64.6	96.8

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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: 18.463 ug/l

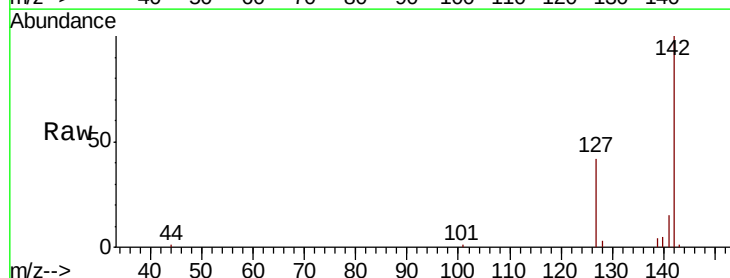
RT: 4.27 min Scan# 388

Delta R.T. 0.01 min

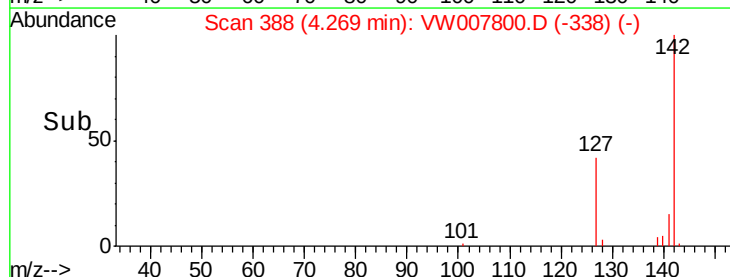
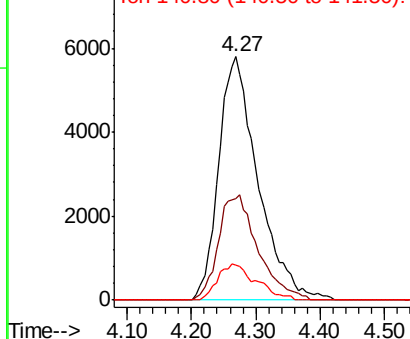
Lab File: VW007800.D

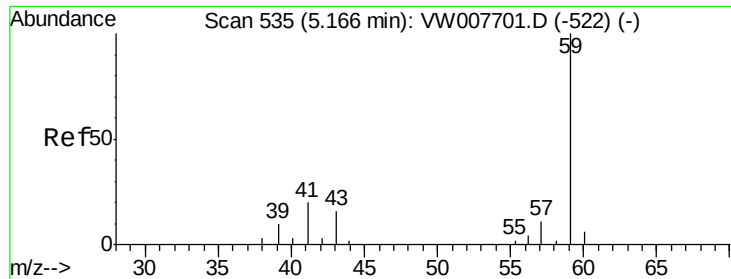
Acq: 21 Dec 2018 17:38

Tgt Ion:	142	Resp:	24730
Ion Ratio	Lower	Upper	
142	100		
127	43.5	37.7	56.5
141	14.5	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





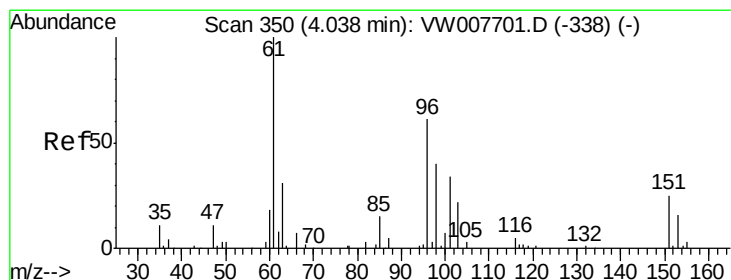
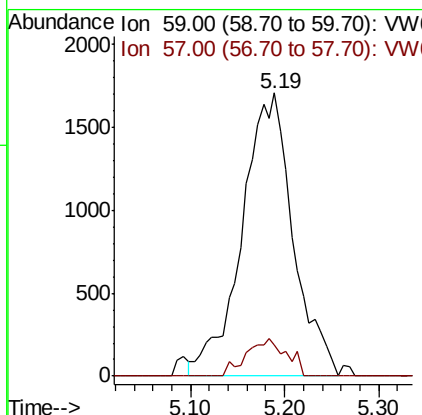
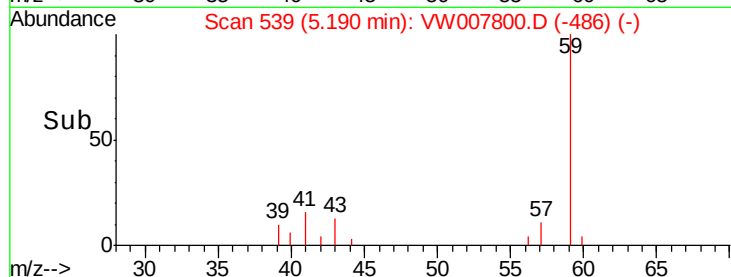
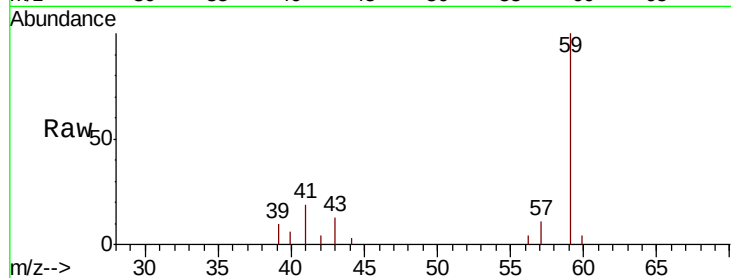
#11
Tert butyl alcohol
Concen: 110.972 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 59 Resp: 6486
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

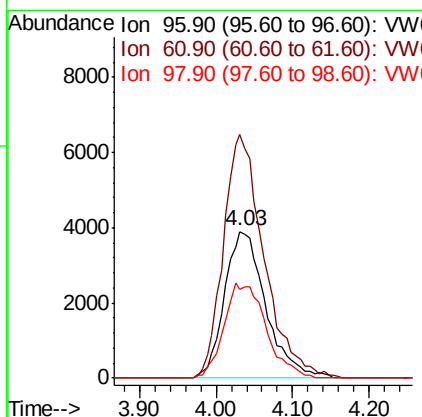
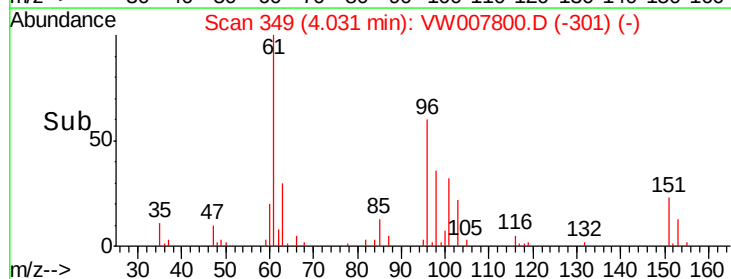
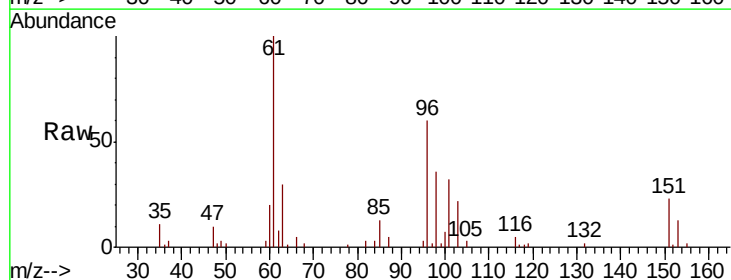
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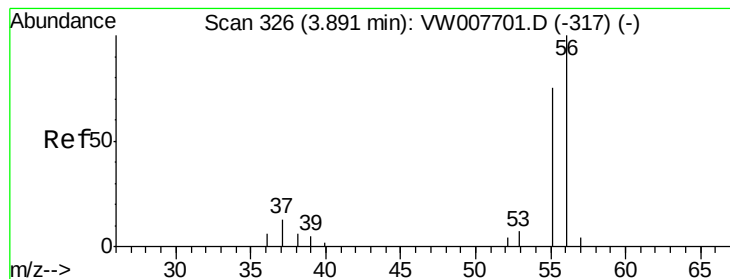
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#12
1,1-Dichloroethene
Concen: 18.653 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 96 Resp: 14548
Ion Ratio Lower Upper
96 100
61 165.8 130.6 195.8
98 60.5 52.3 78.5





#13

Acrolein

Concen: 92.763 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 56 Resp: 4335

Ion Ratio Lower Upper

56 100

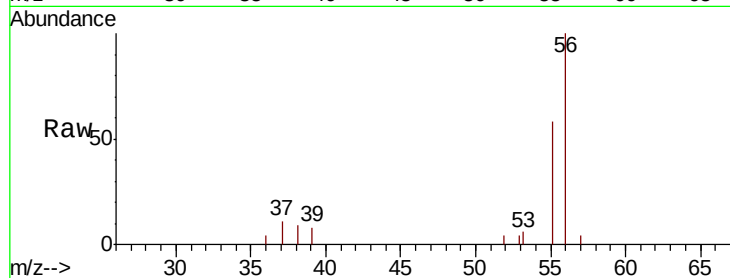
55 74.5 57.7 86.5

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW

3.89

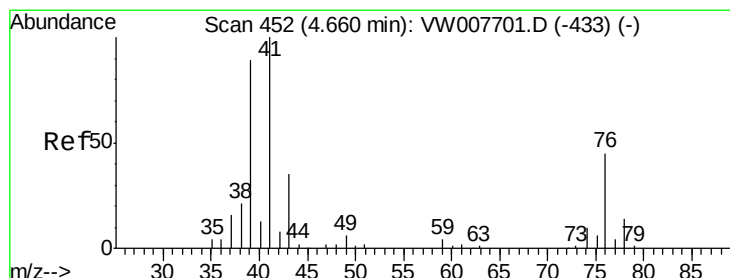
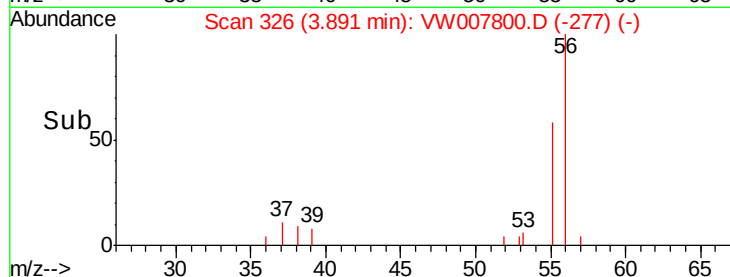
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 20.135 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

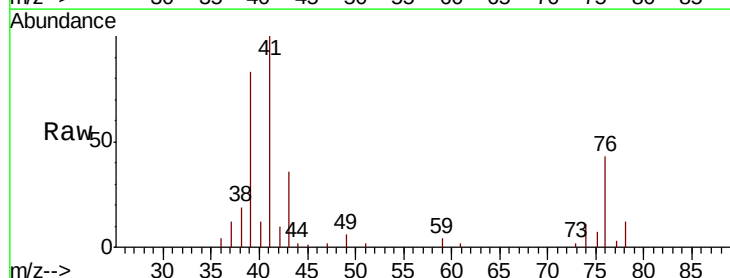
Tgt Ion: 41 Resp: 20593

Ion Ratio Lower Upper

41 100

39 78.2 69.5 104.3

76 40.0 34.8 52.2



Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW

4.66

8000

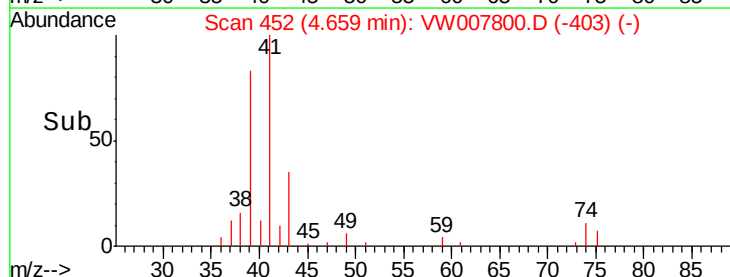
6000

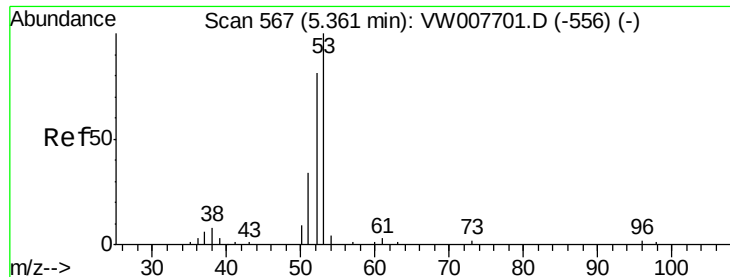
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 110.339 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

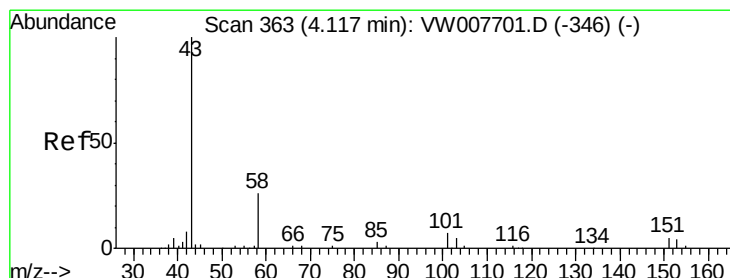
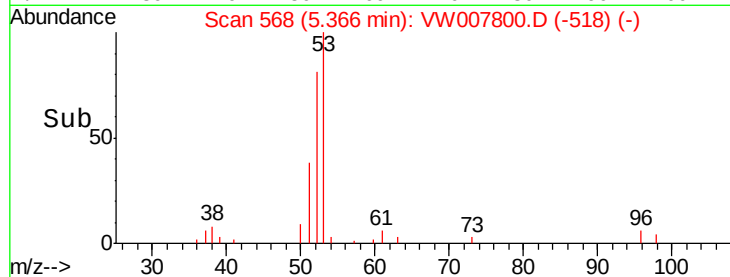
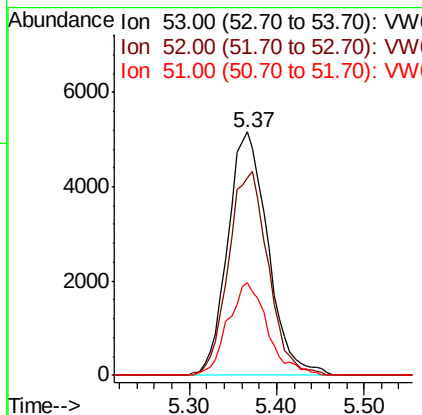
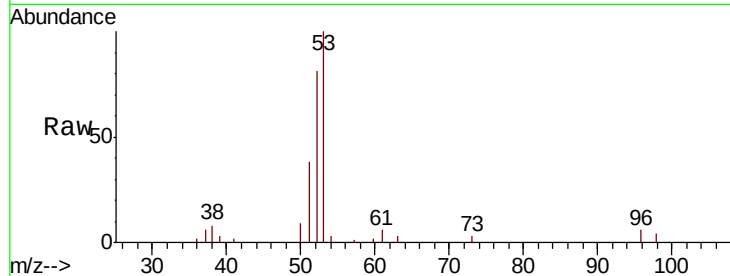
ClientSampleId :

VW1223SBS01

Tot Ion:	53	Resp:	16487
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.0	100.4
51	37.3	30.2	45.2

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#16

Acetone

Concen: 101.562 ug/l

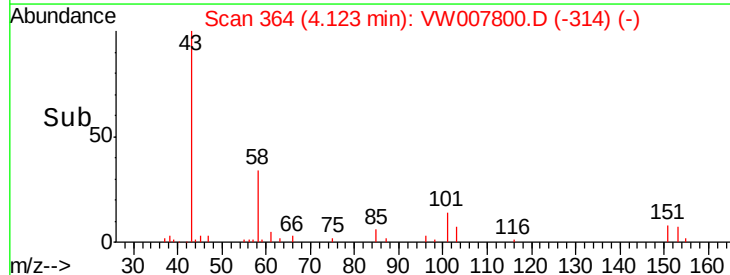
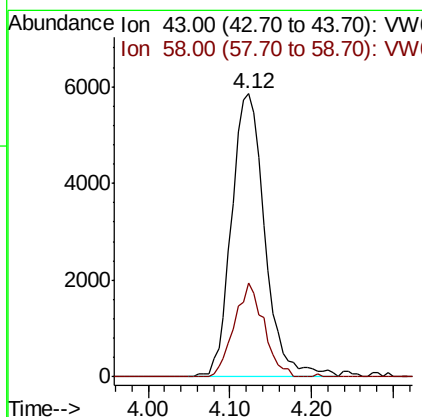
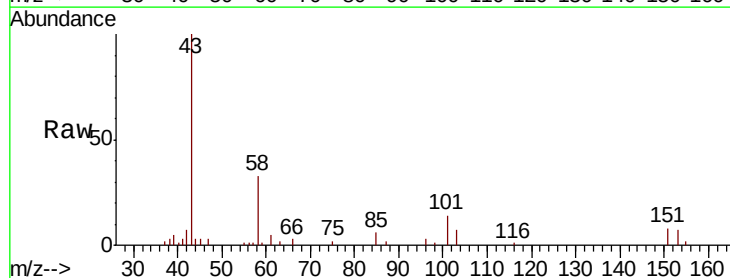
RT: 4.12 min Scan# 364

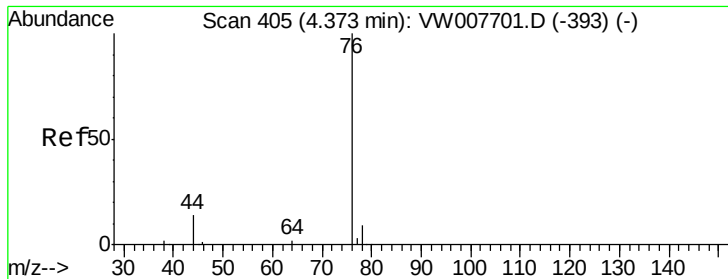
Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion:	43	Resp:	16478
Ion	Ratio	Lower	Upper
43	100		
58	33.1	21.2	31.8#





#17

Carbon Disulfide

Concen: 16.691 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBSD01

Tot Ion: 76 Resp: 40285

Ion Ratio Lower Upper

76 100

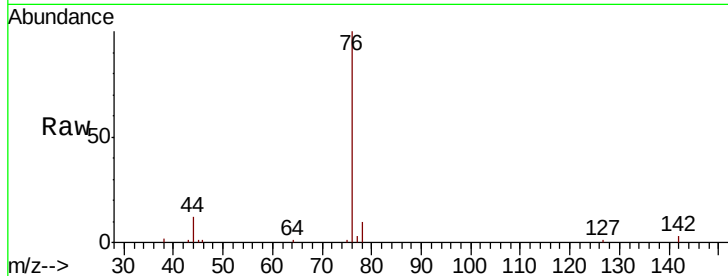
78 9.5 7.3 10.9

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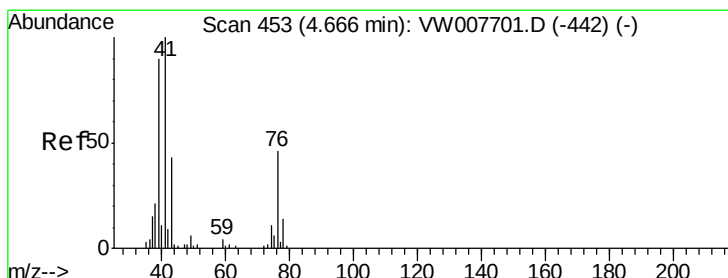
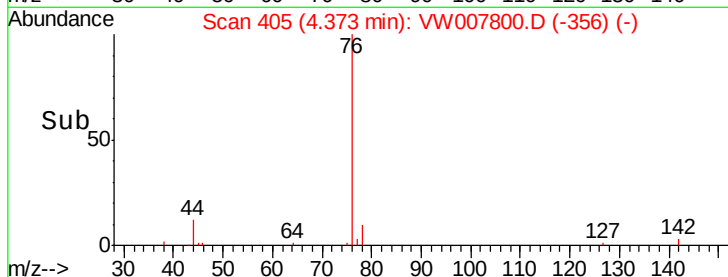
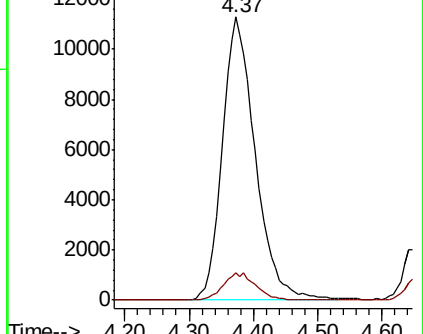
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 22.130 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW007800.D

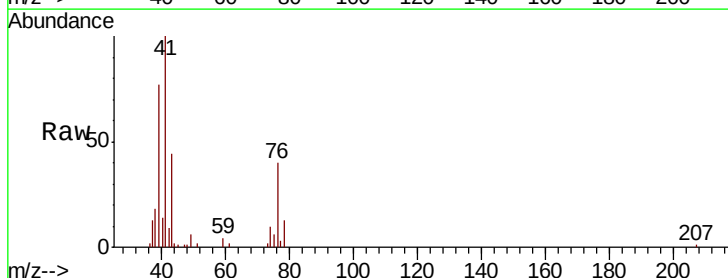
Acq: 21 Dec 2018 17:38

Tgt Ion: 43 Resp: 8539

Ion Ratio Lower Upper

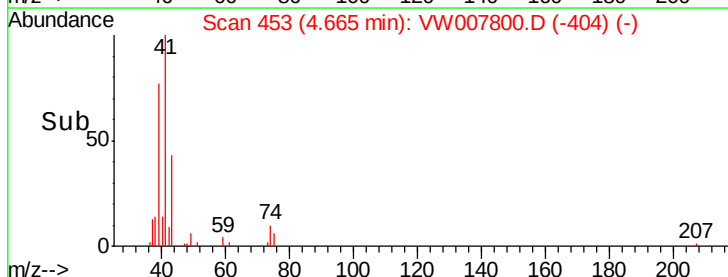
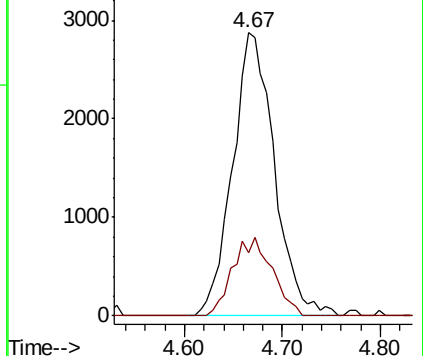
43 100

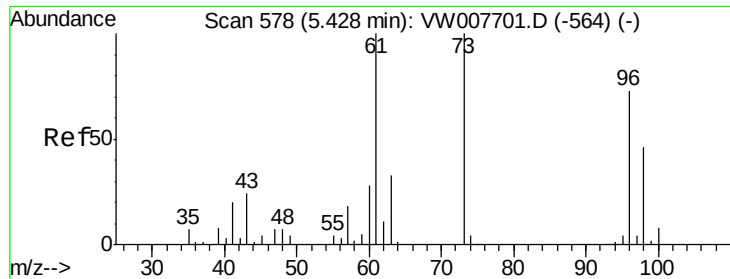
74 26.1 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





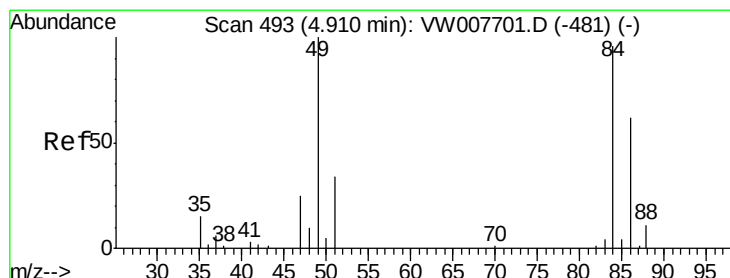
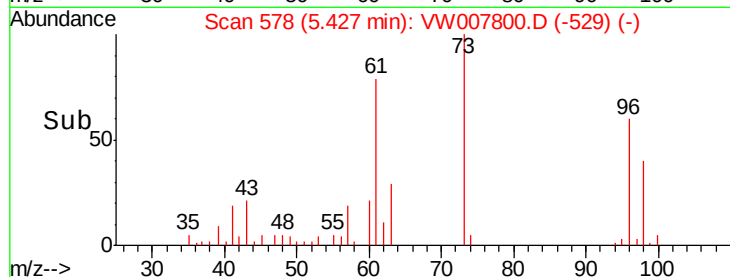
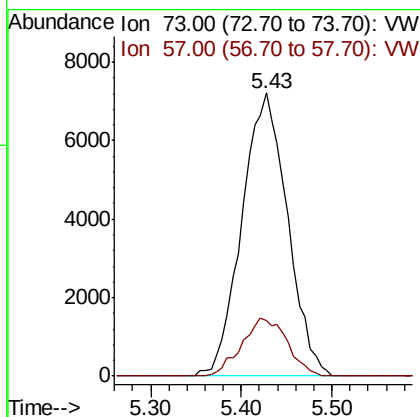
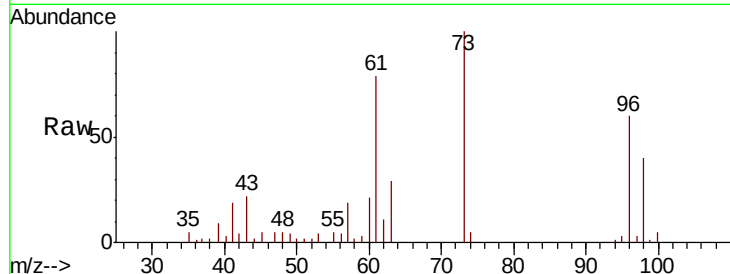
#19
Methyl tert-butyl Ether
Concen: 22.401 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 73 Resp: 25082
Ion Ratio Lower Upper
73 100
57 19.5 14.7 22.1

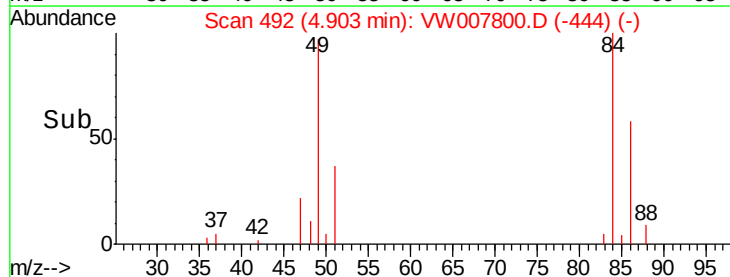
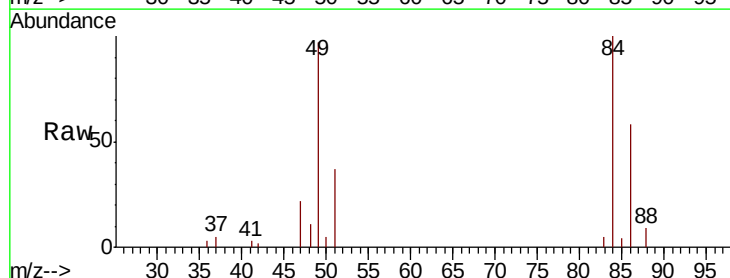
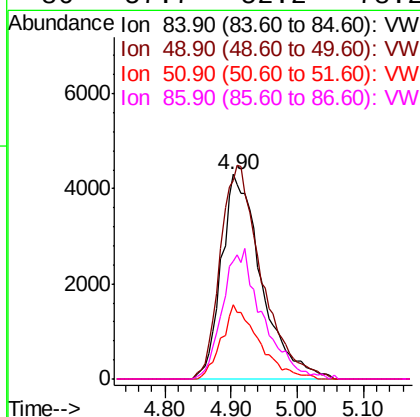
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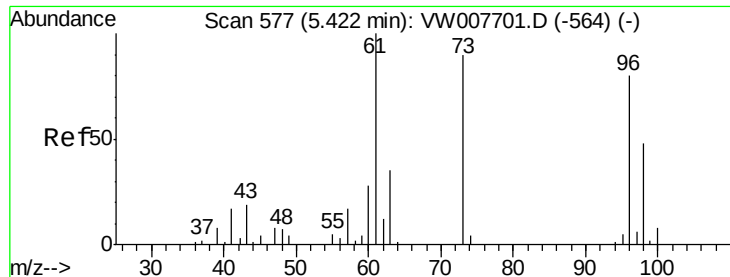
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#20
Methylene Chloride
Concen: 18.201 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 84 Resp: 18022
Ion Ratio Lower Upper
84 100
49 97.3 83.7 125.5
51 36.5 28.2 42.2
86 57.7 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.220 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

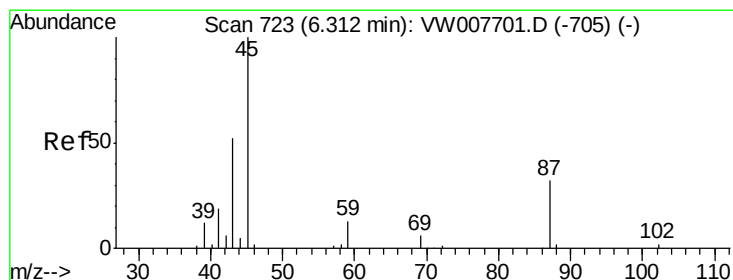
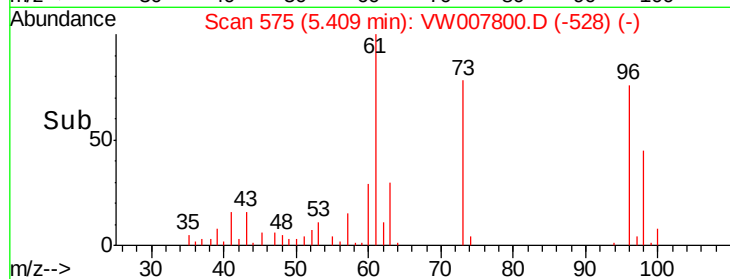
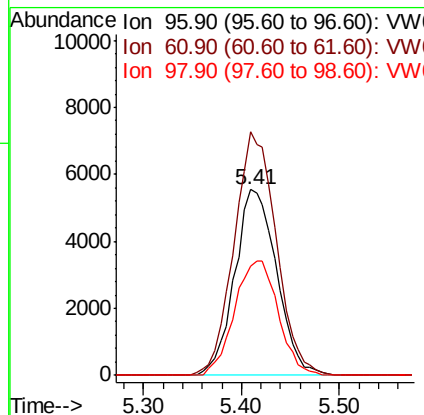
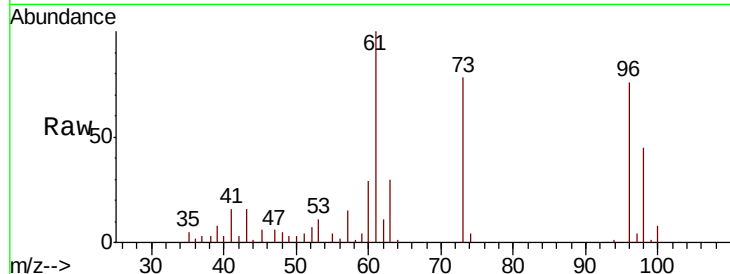
ClientSampleId :

VW1223SBS01

Tot Ion:	96	Resp:	16486
Ion	Ratio	Lower	Upper
96	100		
61	131.3	100.1	150.1
98	58.9	48.5	72.7

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#22

Diisopropyl ether

Concen: 21.109 ug/l

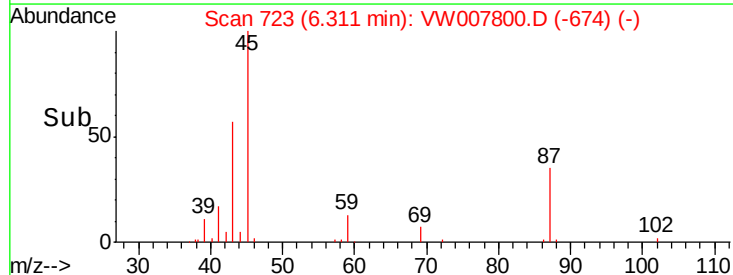
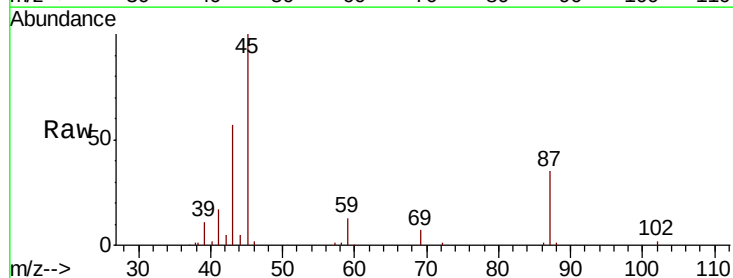
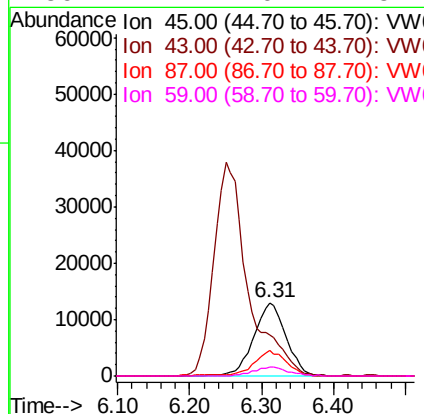
RT: 6.31 min Scan# 723

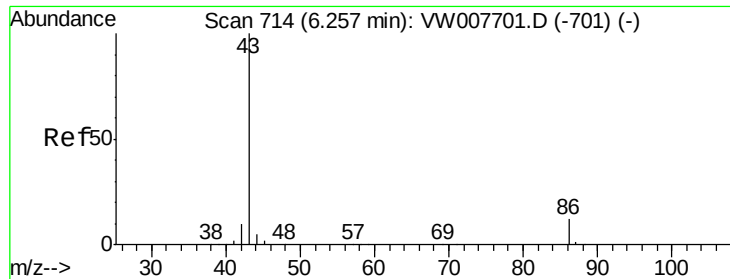
Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion:	45	Resp:	40426
Ion	Ratio	Lower	Upper
45	100		
43	56.6	43.7	65.5
87	35.1	26.6	40.0
59	12.7	10.2	15.2





#23

Vinyl Acetate

Concen: 110.234 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 43 Resp: 125425

Ion Ratio Lower Upper

43 100

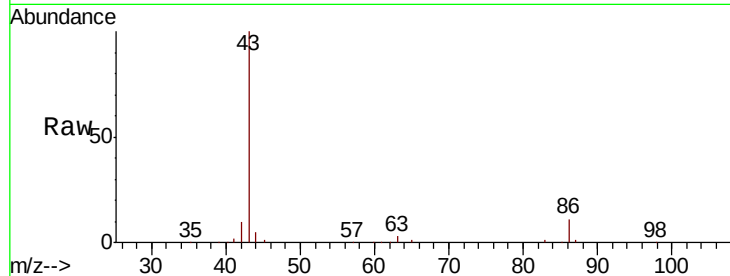
86 10.9 9.6 14.4

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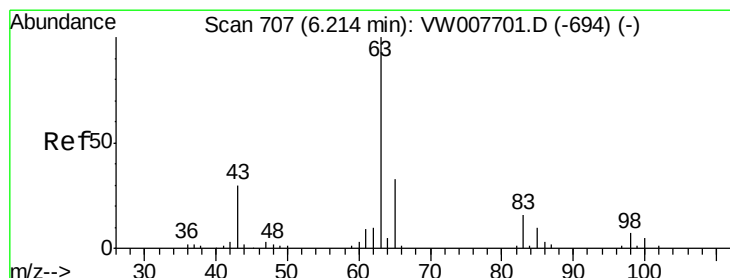
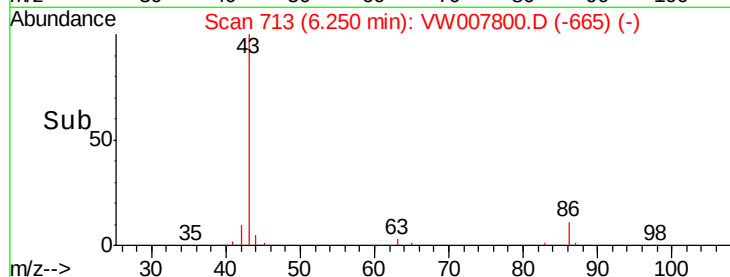
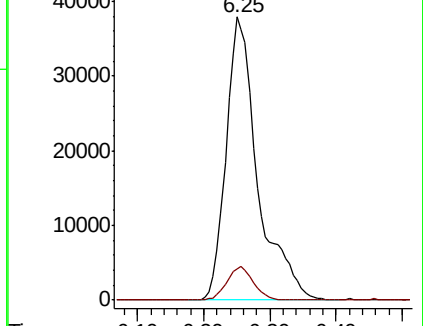
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.921 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

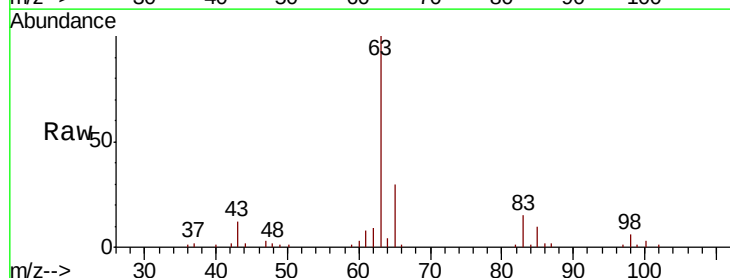
Tgt Ion: 63 Resp: 28066

Ion Ratio Lower Upper

63 100

98 5.9 3.6 10.9

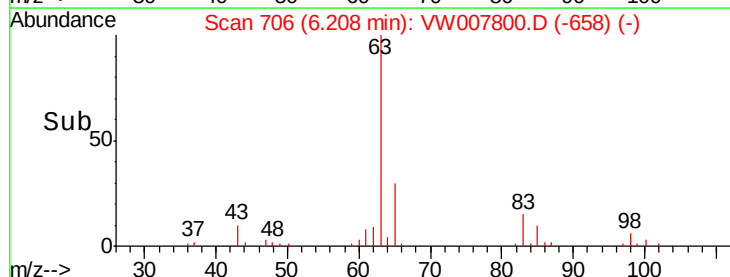
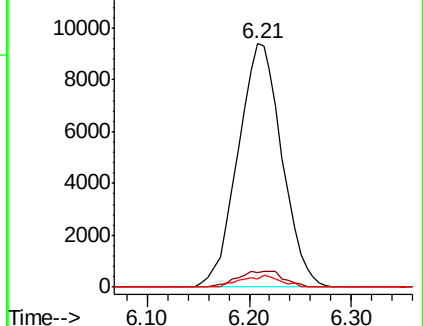
100 3.4 2.5 7.5

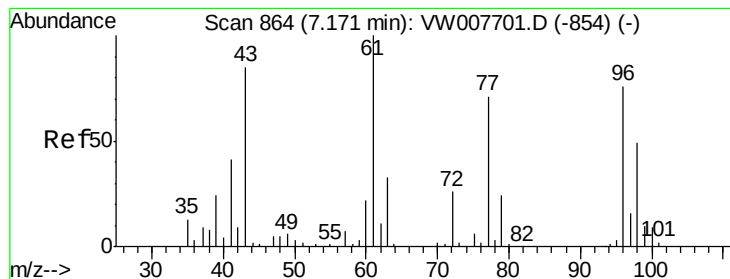


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 112.762 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 43 Resp: 21429

Ion Ratio Lower Upper

43 100

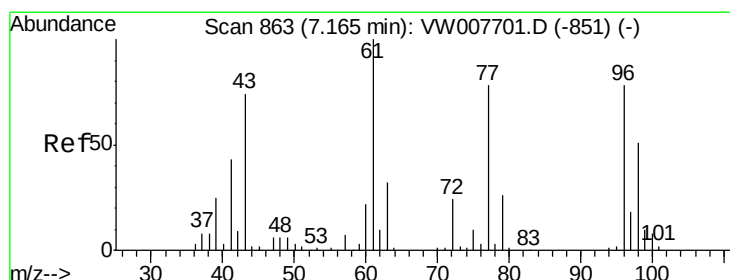
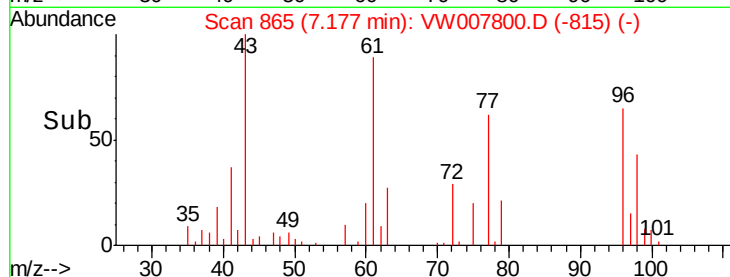
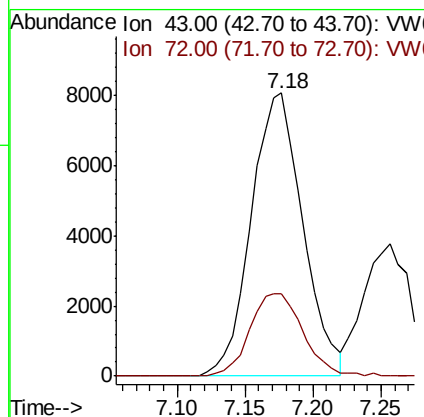
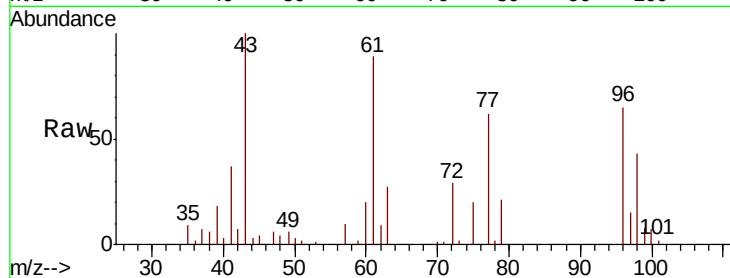
72 28.9 24.5 36.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.970 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007800.D

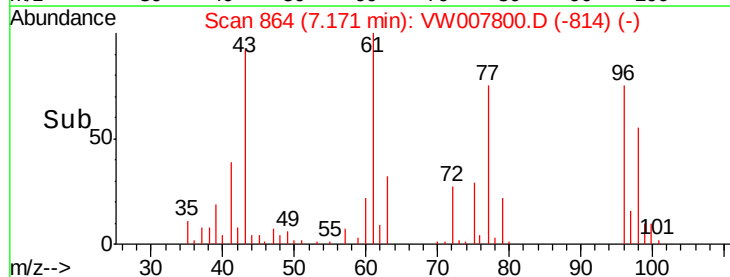
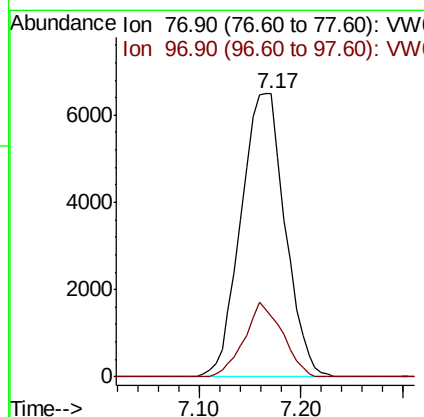
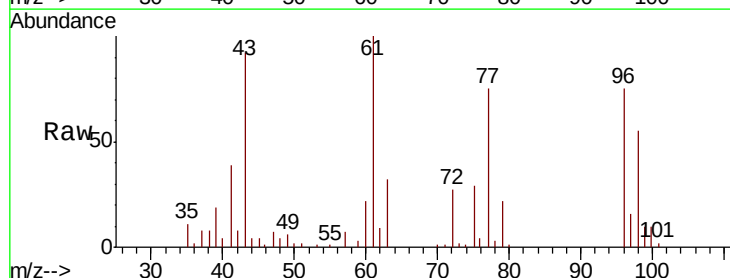
Acq: 21 Dec 2018 17:38

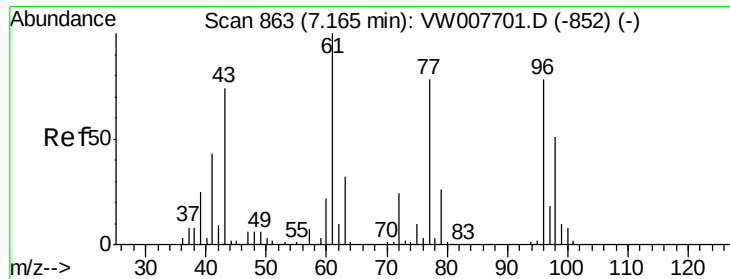
Tgt Ion: 77 Resp: 19557

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9





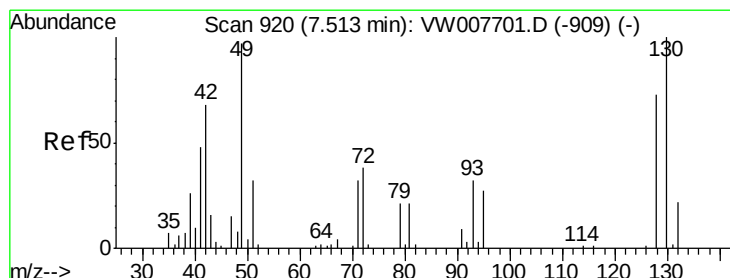
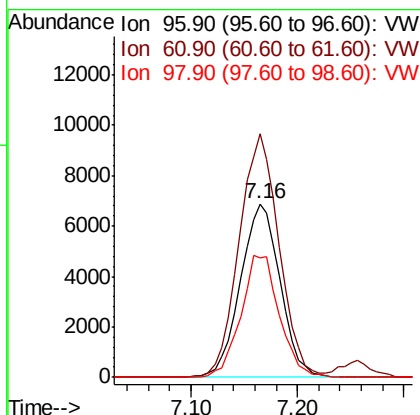
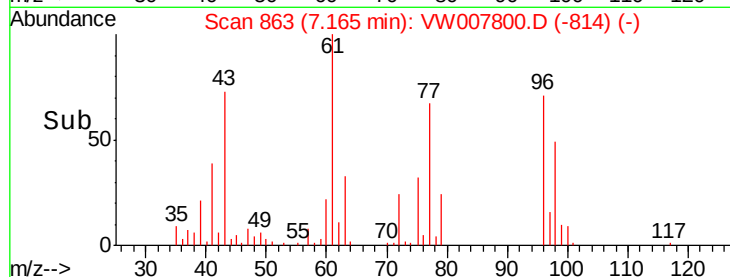
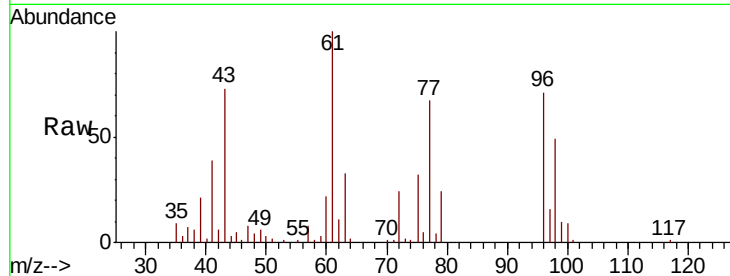
#27
 cis-1,2-Dichloroethene
 Concen: 19.620 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	271.6
98	68.3	0.0	131.2

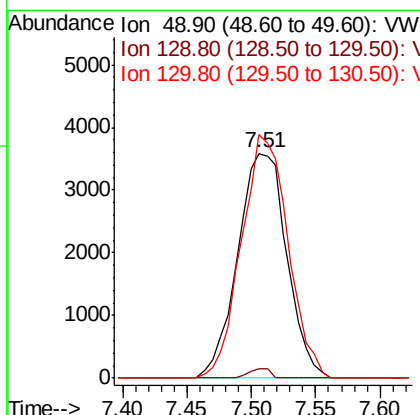
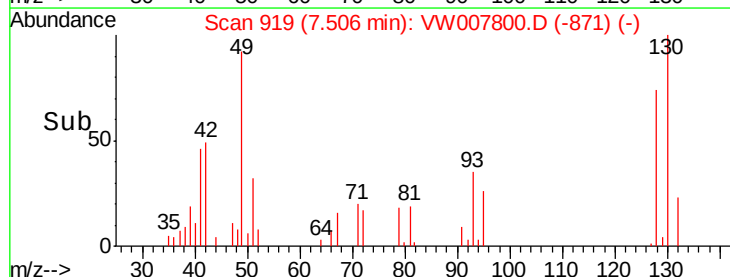
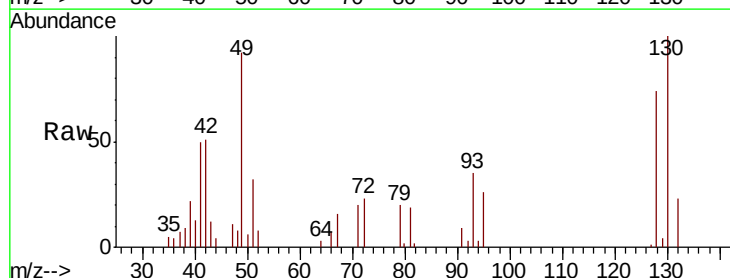
Manual Integrations
 APPROVED

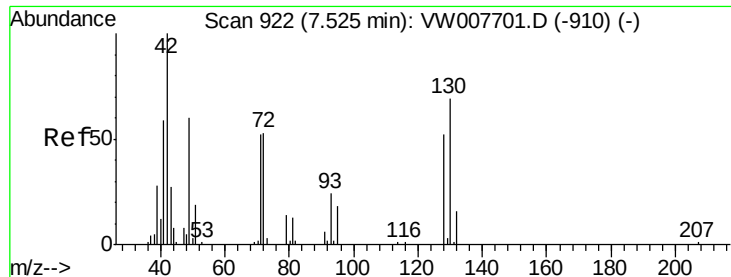
MMDadoda
 12/26/2018 10:58:56 AM



#28
 Bromochloromethane
 Concen: 19.694 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.2
130	102.6	81.5	122.3





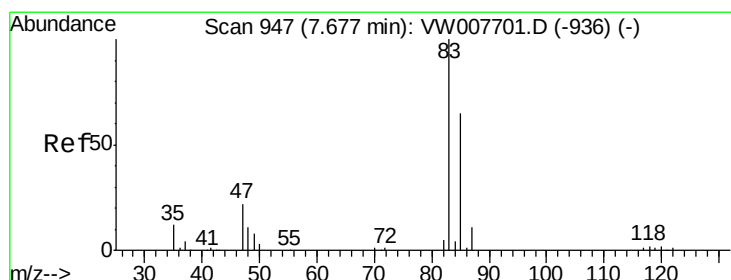
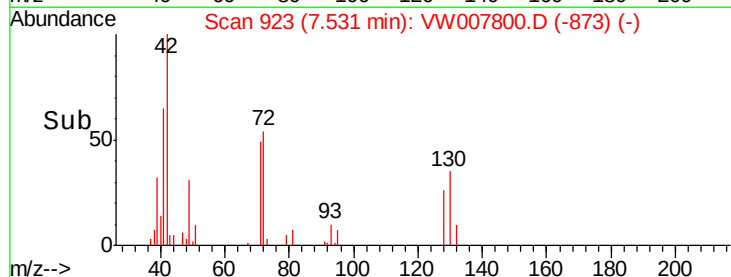
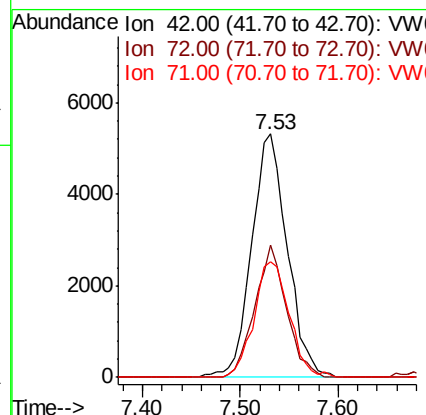
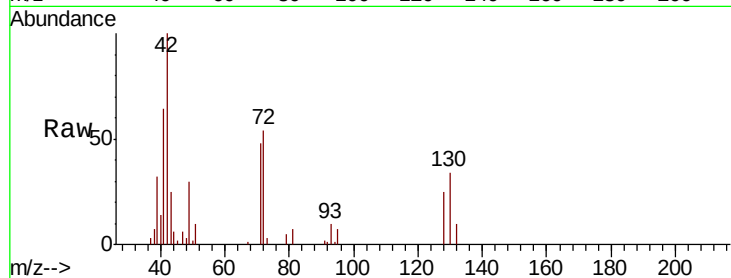
#29
Tetrahydrofuran
Concen: 118.293 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	41.7	62.5
71	47.2	39.0	58.6

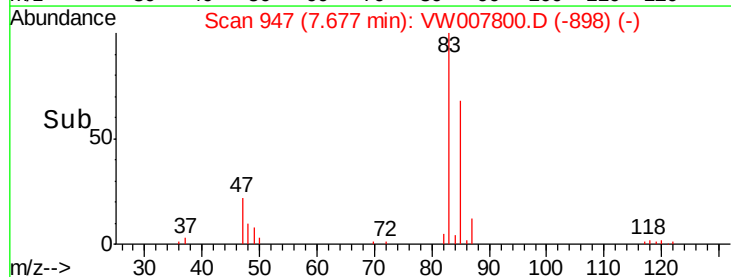
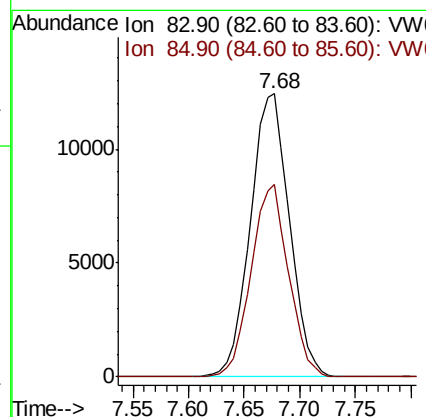
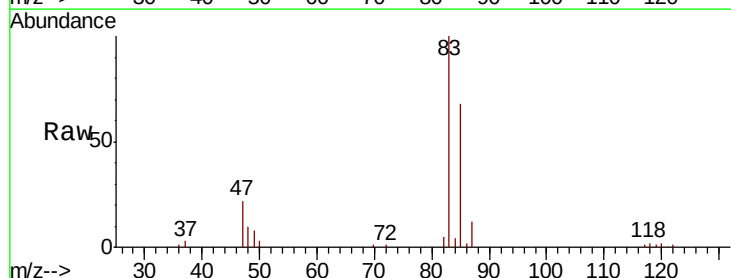
Manual Integrations
APPROVED

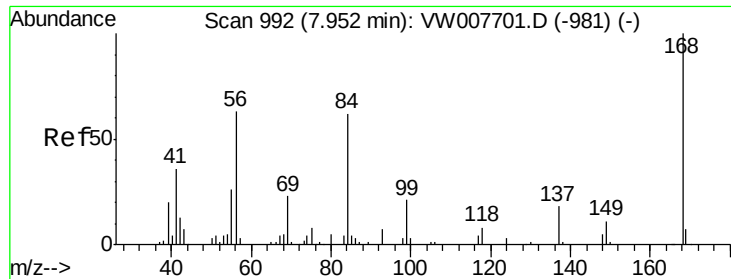
MMDadoda
12/26/2018 10:58:56 AM



#30
Chloroform
Concen: 19.050 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	52.2	78.2





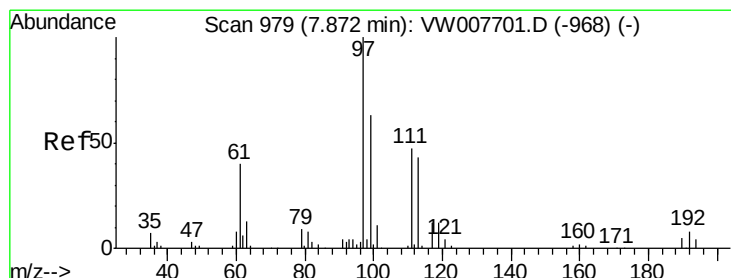
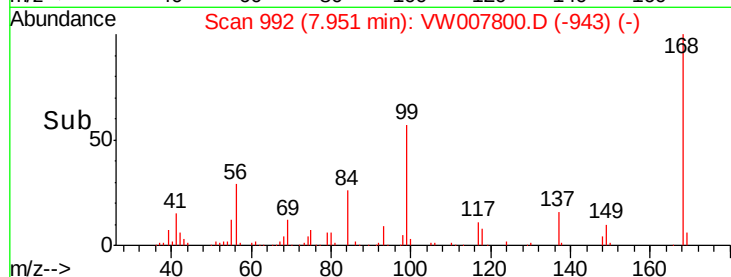
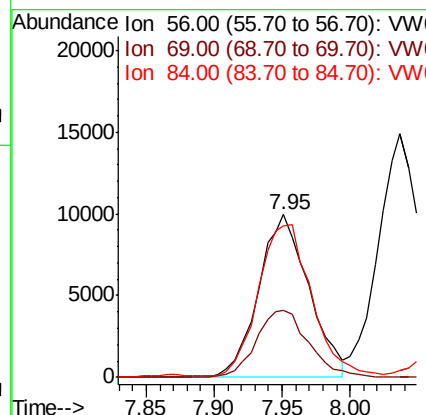
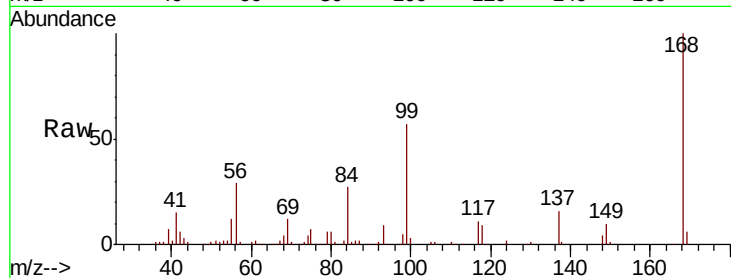
#31
Cyclohexane
Concen: 19.915 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.8	29.7	44.5
84	91.7	78.9	118.3

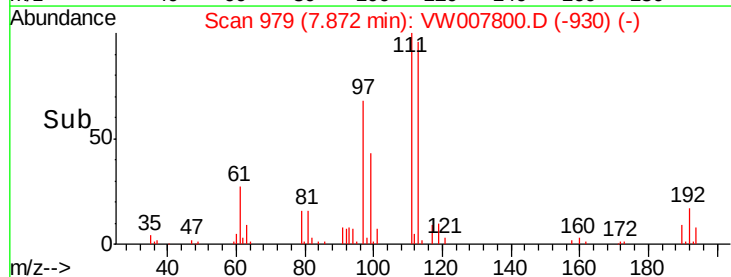
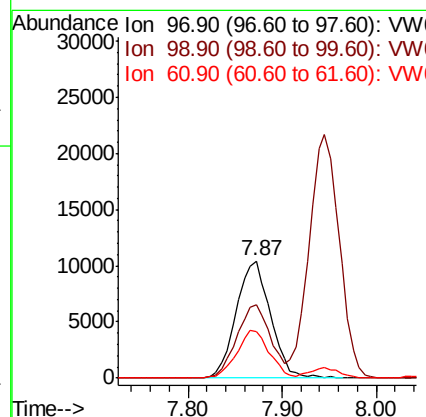
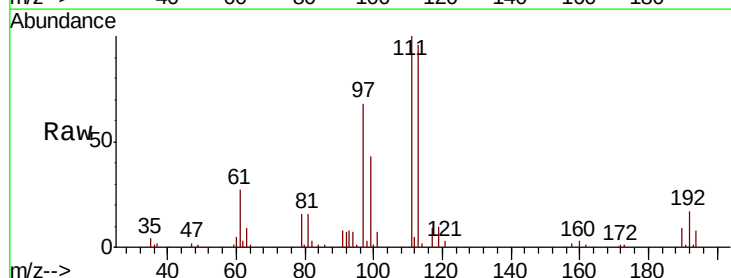
Manual Integrations
APPROVED

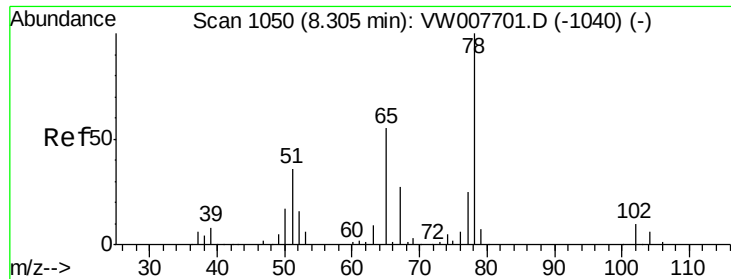
MMDadoda
12/26/2018 10:58:56 AM



#32
1,1,1-Trichloroethane
Concen: 18.180 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.7	50.6	76.0
61	39.1	32.3	48.5





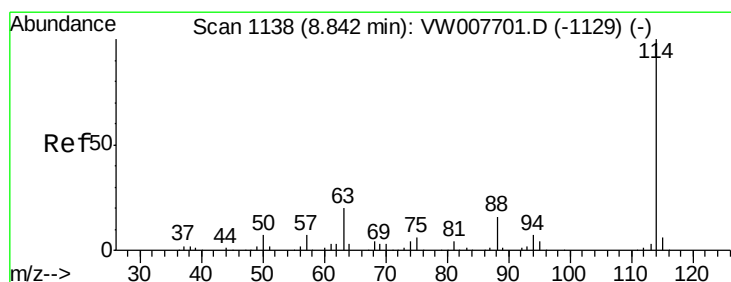
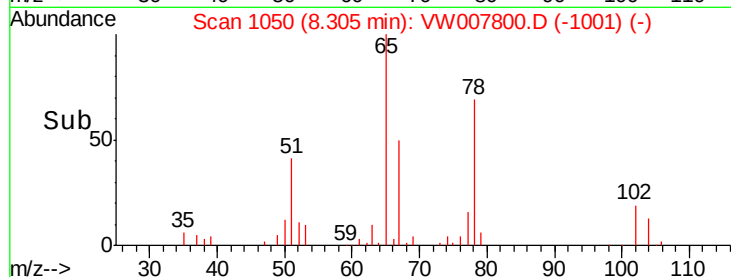
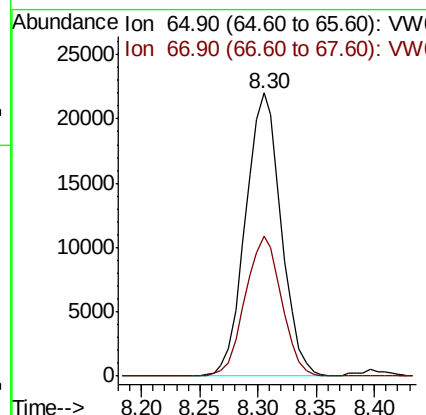
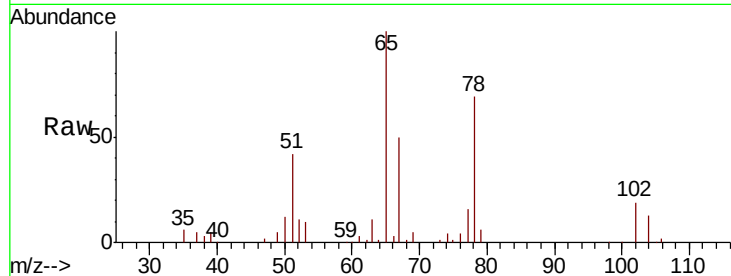
#33
 1,2-Dichloroethane-d4
 Concen: 54.286 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleID :
 VW1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	47035		
67	50.2	0.0	100.6	

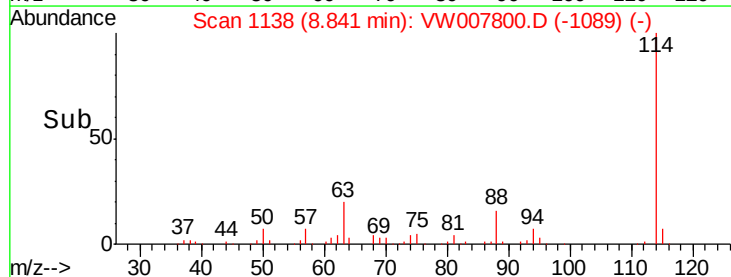
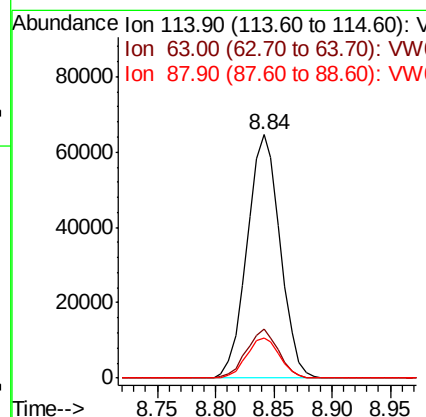
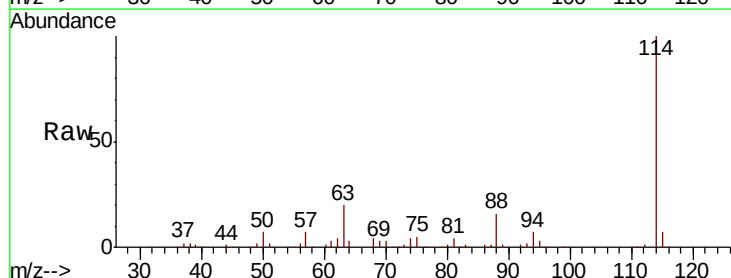
Manual Integrations
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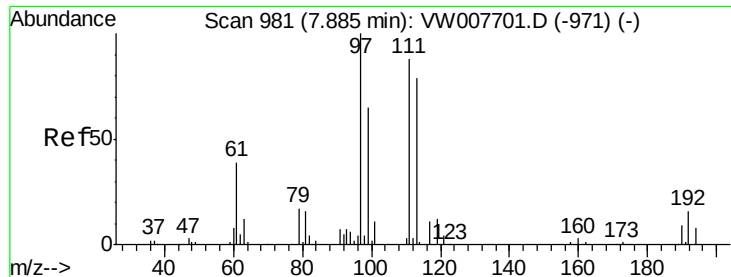
MMDadoda
 12/26/2018 10:58:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	127797		
63	20.0	0.0	40.0	
88	16.5	0.0	32.6	





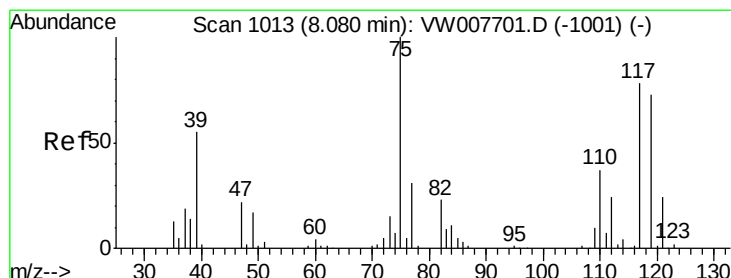
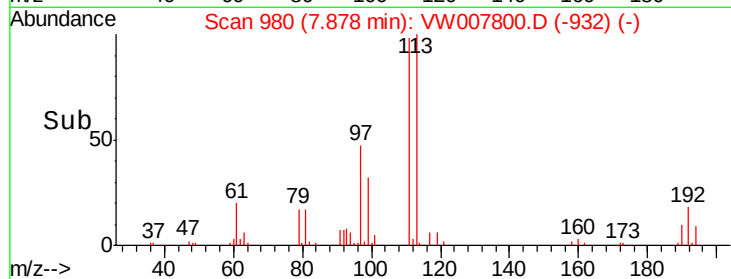
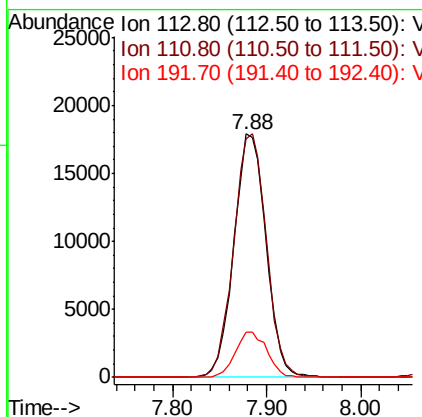
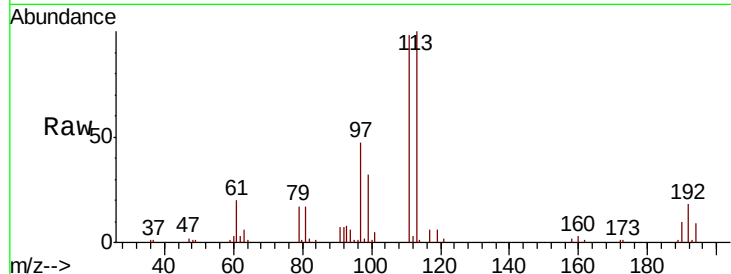
#35
 Dibromofluoromethane
 Concen: 54.572 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	42546		
111	101.8	82.6	124.0	
192	18.2	15.5	23.3	

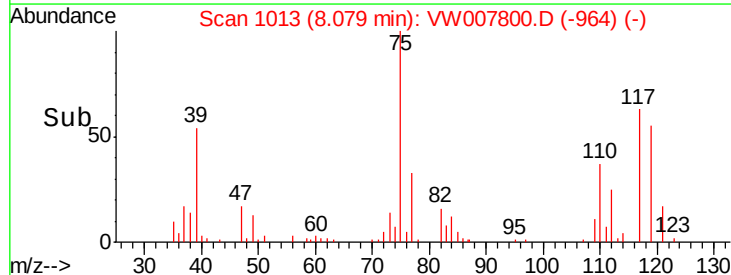
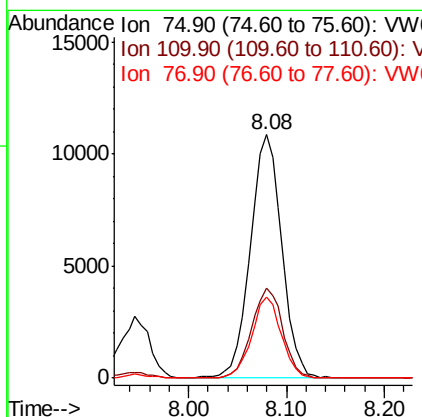
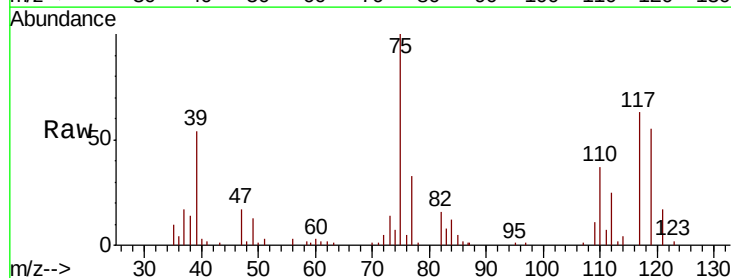
Manual Integrations
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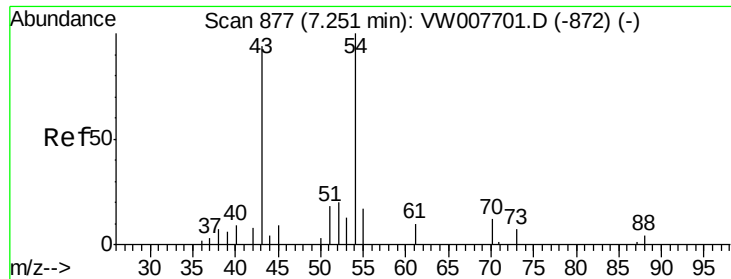
MMDadoda
 12/26/2018 10:58:56 AM



#36
 1,1-Dichloropropene
 Concen: 19.723 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24328		
110	36.7	18.6	55.8	
77	31.5	25.0	37.4	





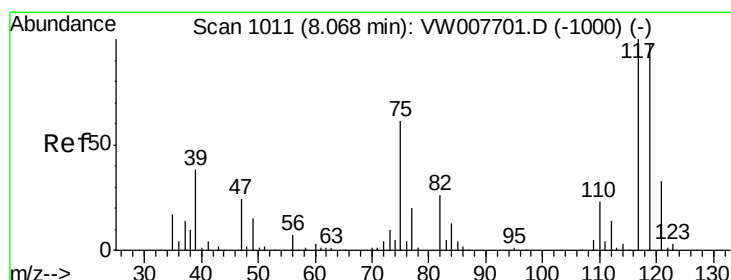
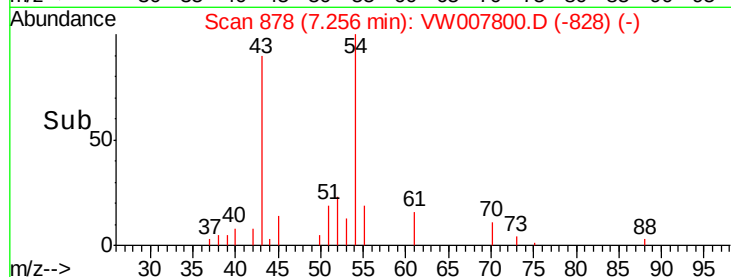
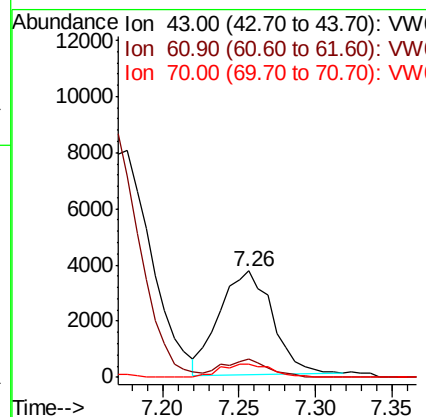
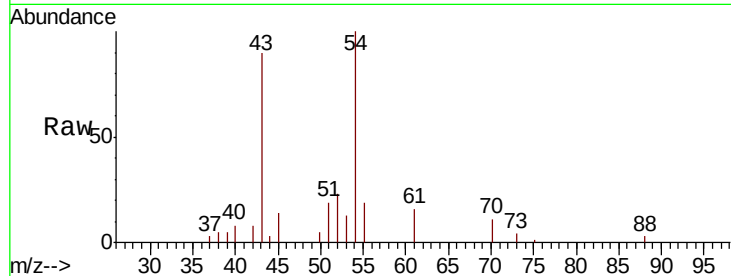
#37
Ethyl Acetate
Concen: 20.900 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.2	16.8
70	12.9	9.3	13.9

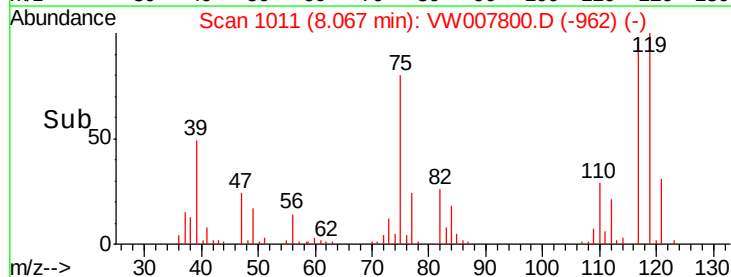
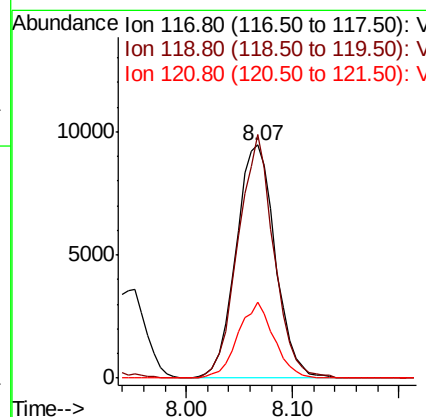
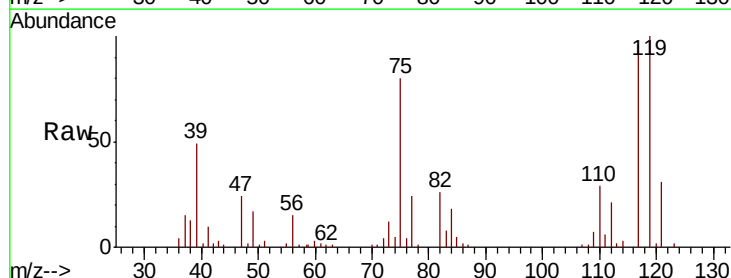
Manual Integrations
APPROVED

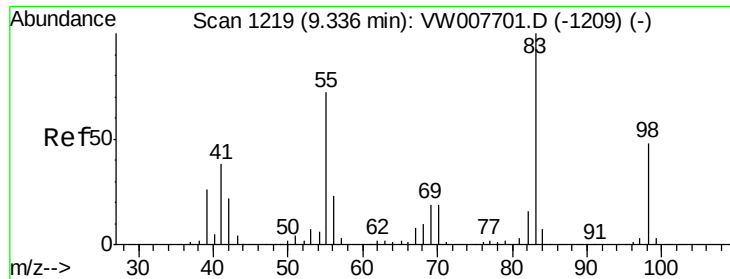
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12/26/2018 10:58:56 AM



#38
Carbon Tetrachloride
Concen: 16.795 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	104.5	78.2	117.2
121	32.9	26.1	39.1





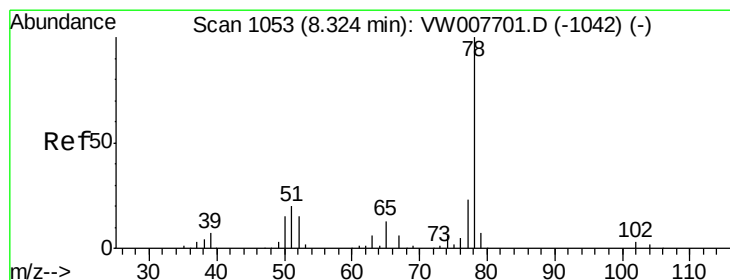
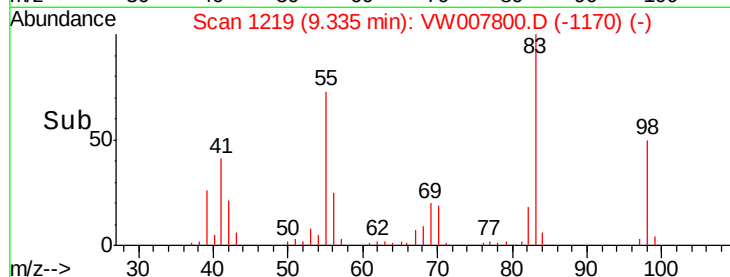
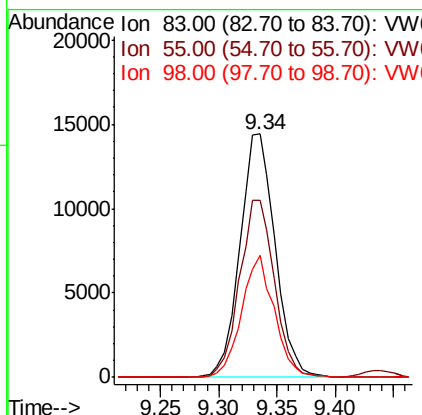
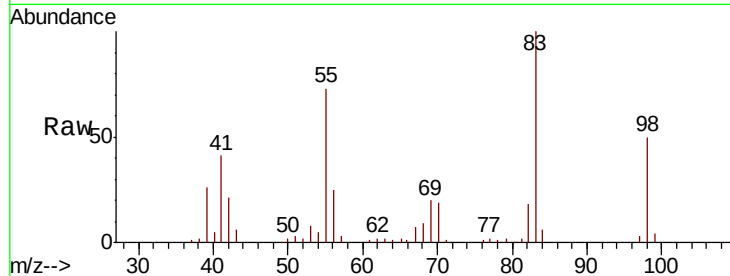
#39
Methylvlcyclohexane
Concen: 19.807 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	57.2	85.8
98	50.0	38.6	58.0

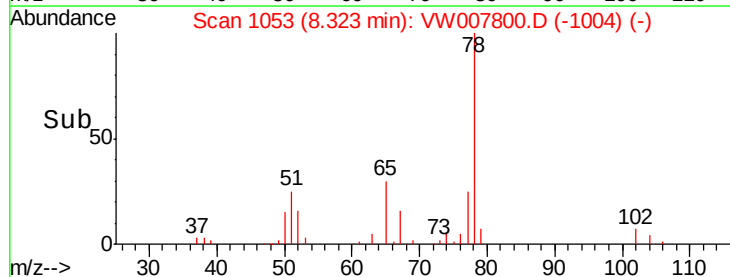
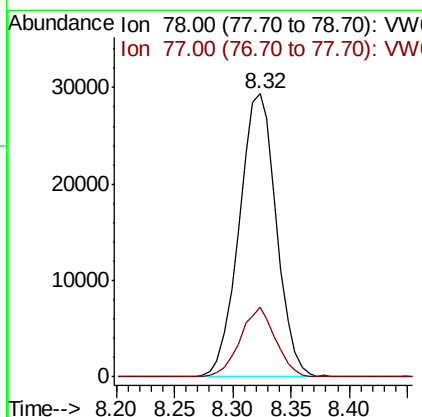
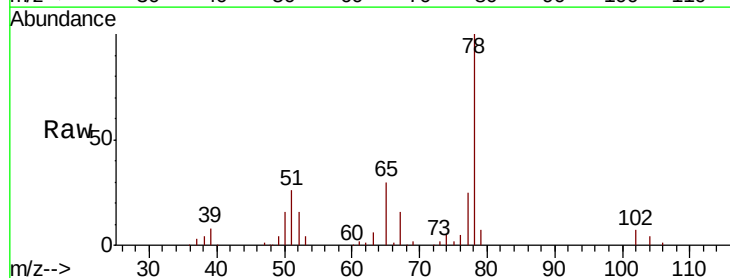
Manual Integrations
APPROVED

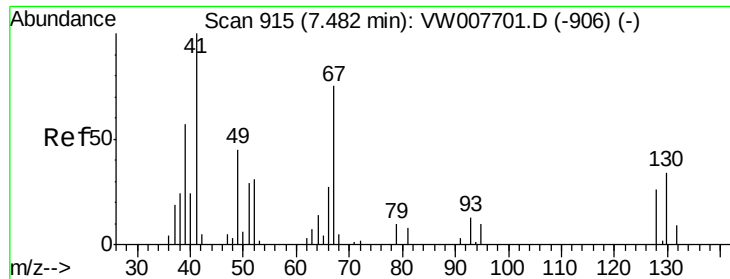
MMDadoda
12/26/2018 10:58:56 AM



#40
Benzene
Concen: 19.837 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.7	28.1





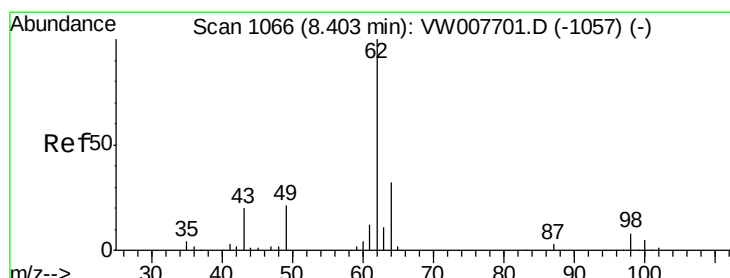
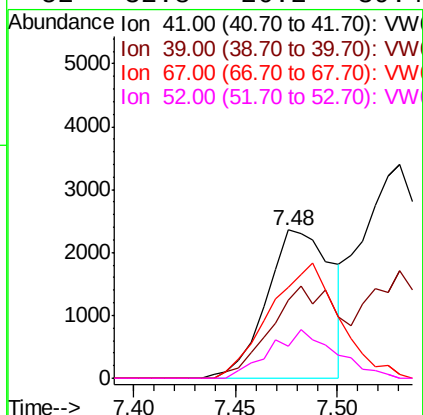
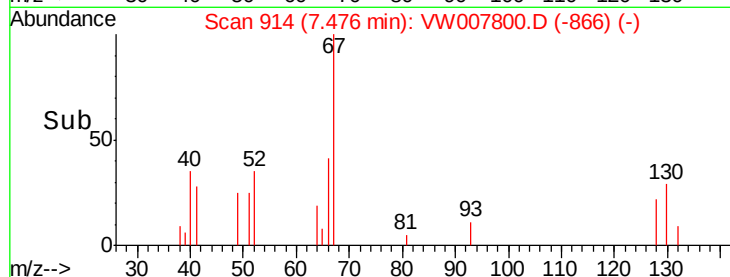
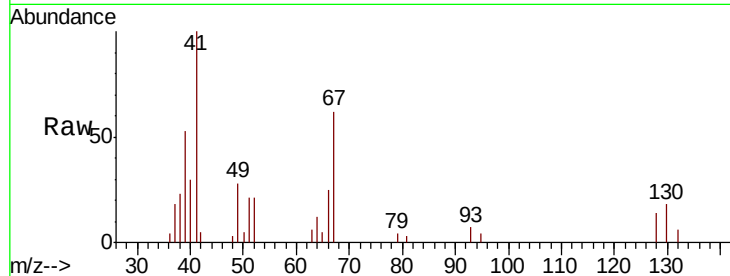
#41
Methacrylonitrile
Concen: 21.822 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion:	41	Resp:	5274
Ion	Ratio	Lower	Upper
41	100		
39	64.5	54.2	81.4
67	82.9	65.7	98.5
52	32.8	26.2	39.4

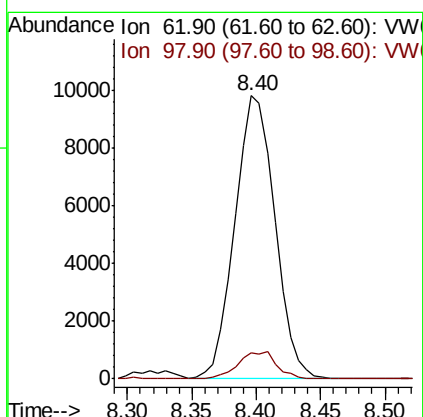
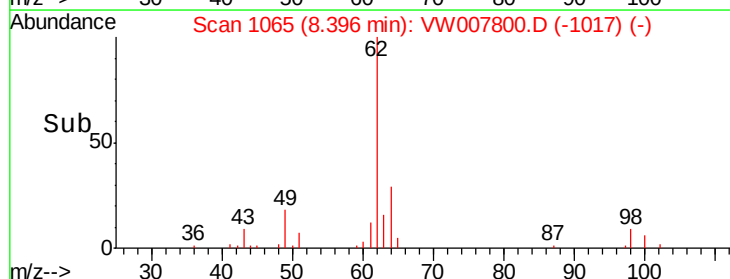
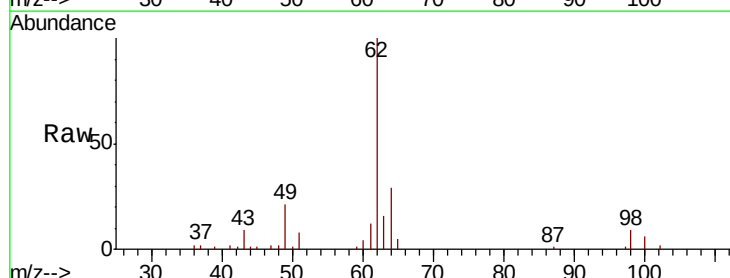
Manual Integrations
APPROVED

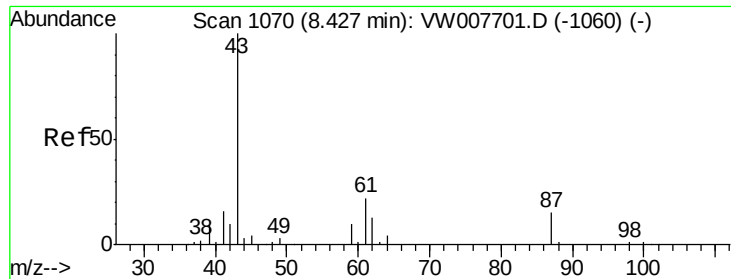
MMDadoda
12/26/2018 10:58:56 AM



#42
1,2-Dichloroethane
Concen: 19.200 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:	62	Resp:	21178
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.6





#43

Isopropyl Acetate

Concen: 22.552 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

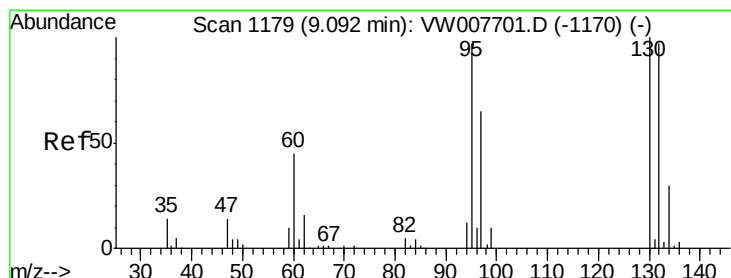
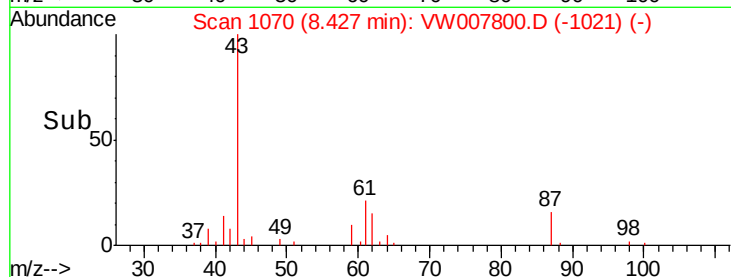
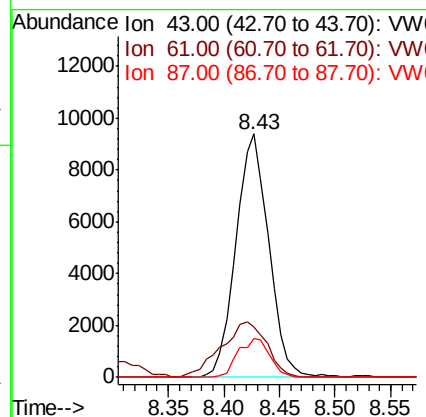
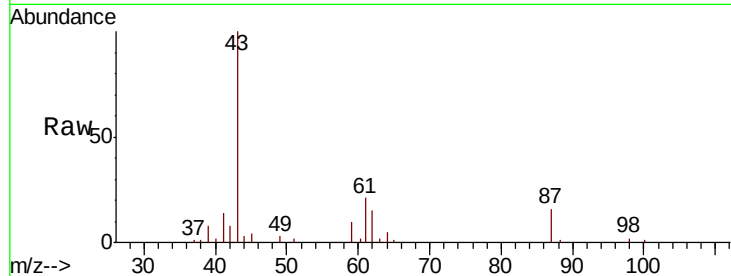
ClientSampleId :

VW1223SBS01

Tot Ion:	43	Resp:	19233
Ion	Ratio	Lower	Upper
43	100		
61	31.4	26.3	39.5
87	15.4	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 18.752 ug/l

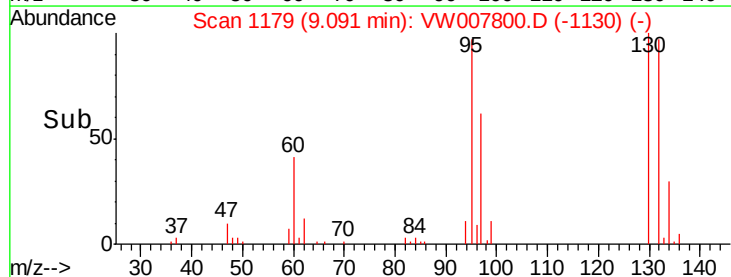
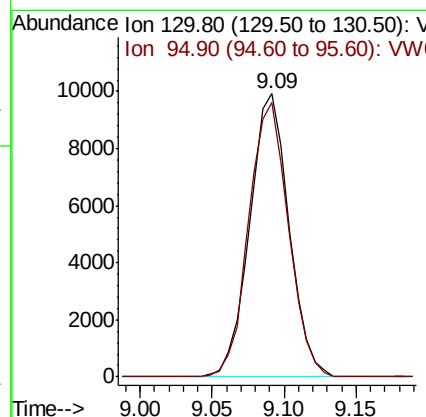
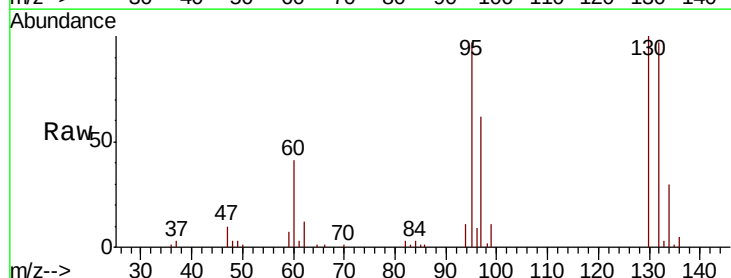
RT: 9.09 min Scan# 1179

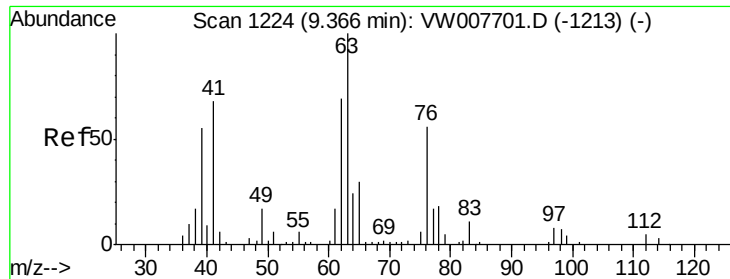
Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion:	130	Resp:	18666
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	194.8





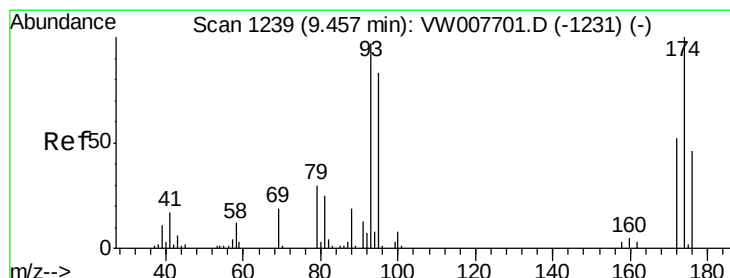
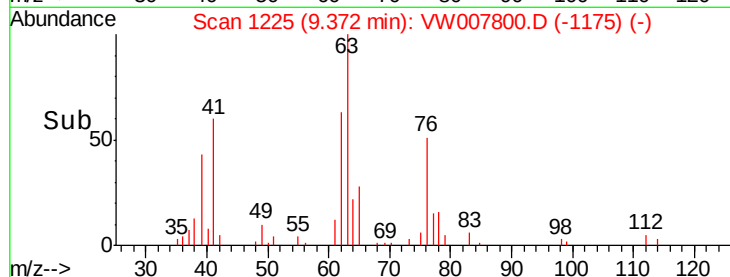
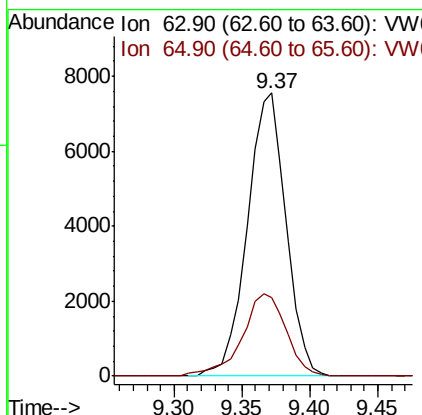
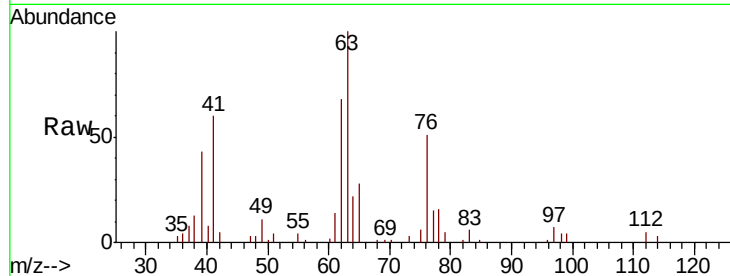
#45
 1,2-Dichloropropane
 Concen: 20.535 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion: 63 Resp: 14998
 Ion Ratio Lower Upper
 63 100
 65 27.9 23.8 35.8

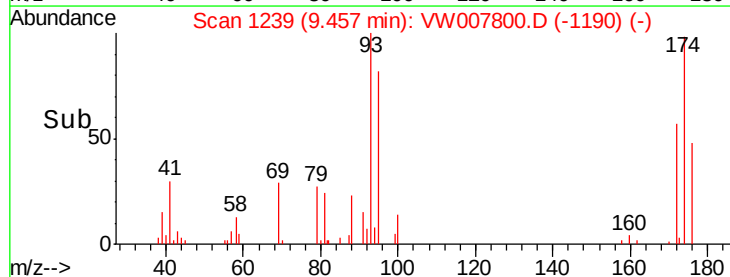
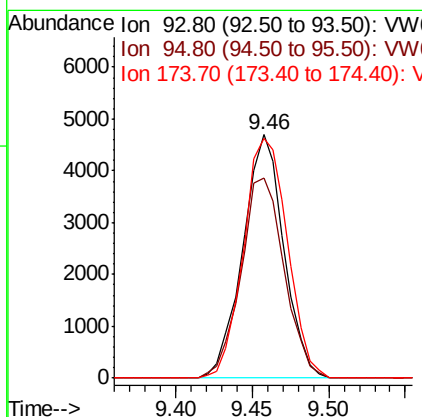
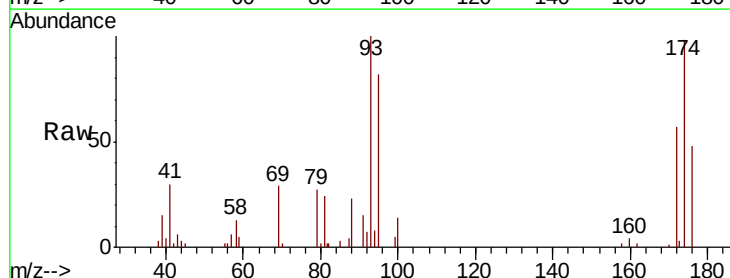
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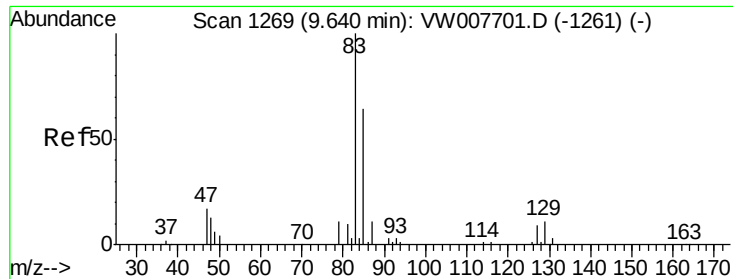
MMDadoda
 12/26/2018 10:58:56 AM



#46
 Dibromomethane
 Concen: 19.429 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 93 Resp: 8735
 Ion Ratio Lower Upper
 93 100
 95 86.7 67.5 101.3
 174 105.5 83.9 125.9





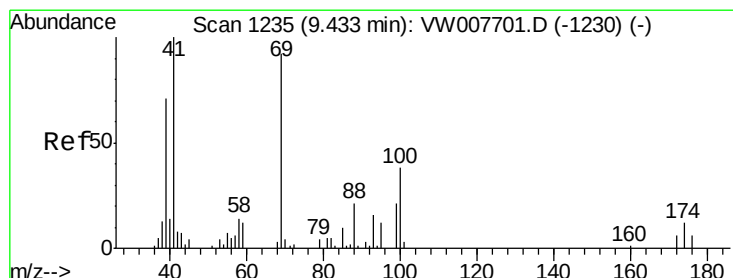
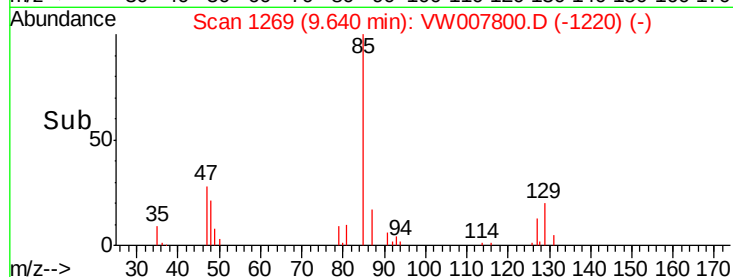
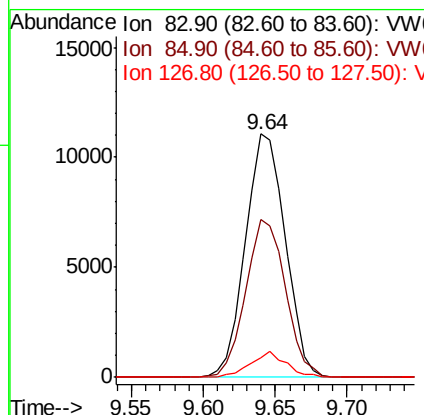
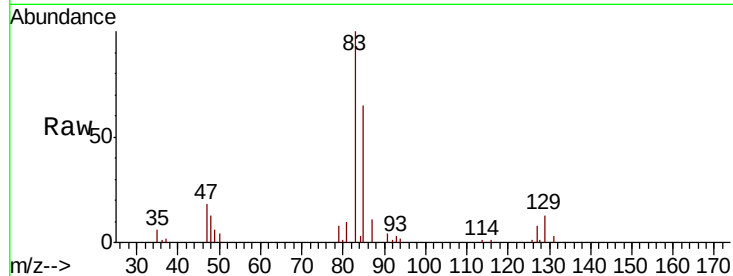
#47
Bromodichloromethane
Concen: 17.926 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBSD01

Tot Ion:	83	Resp:	21187
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.4	77.0
127	8.2	7.5	11.3

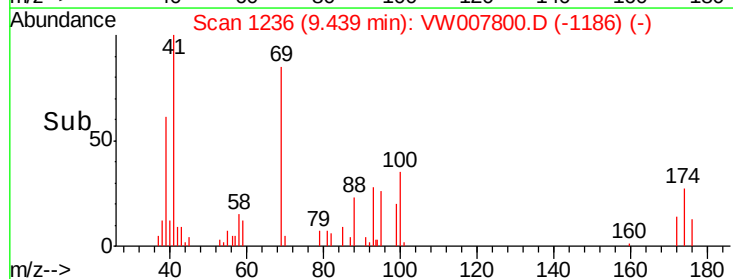
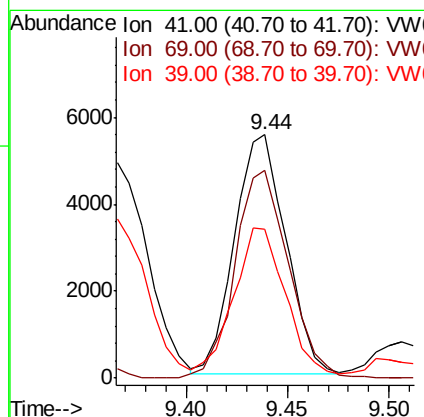
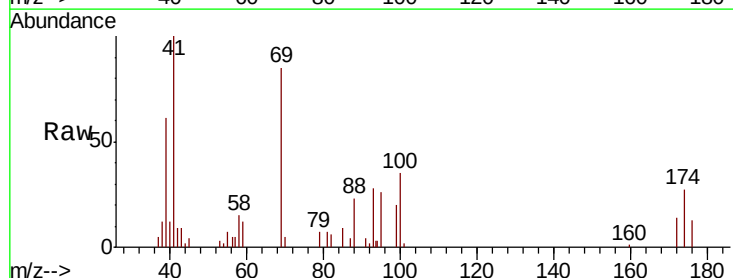
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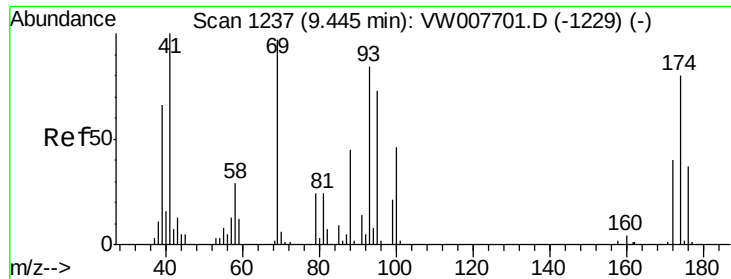
MMDadoda
12/26/2018 10:58:56 AM



#48
Methyl methacrylate
Concen: 22.741 ug/l m
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:	41	Resp:	9681
Ion Ratio	Lower	Upper	
41	100		
69	90.6	74.2	111.2
39	61.1	53.9	80.9





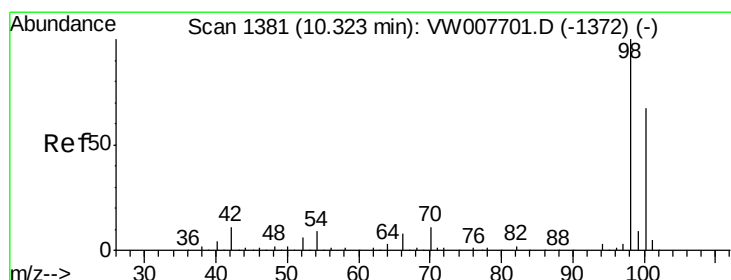
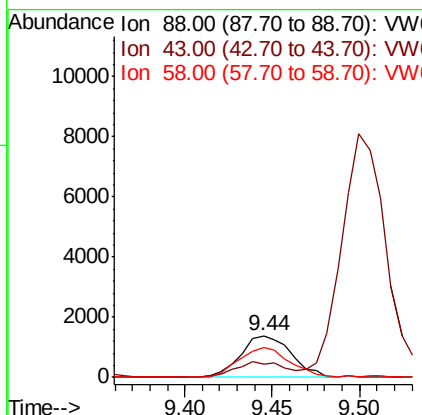
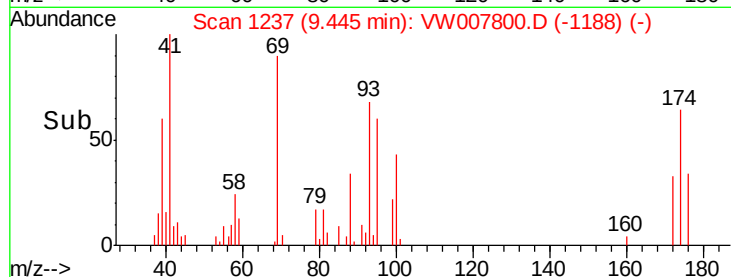
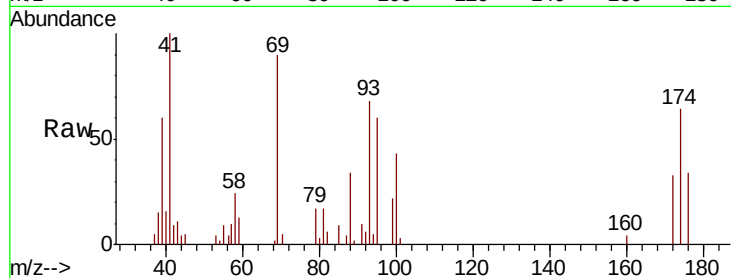
#49
1,4-Dioxane
Concen: 390.435 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.5	25.6	38.4
58	71.4	52.3	78.5

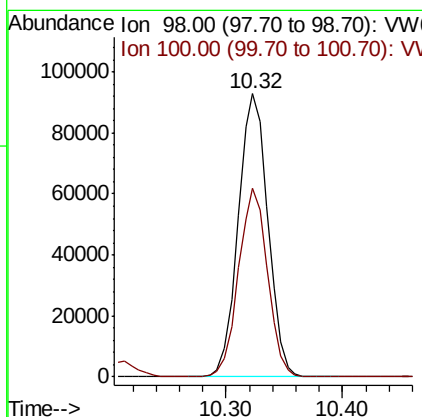
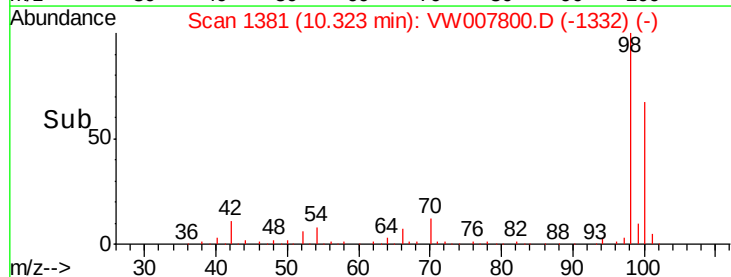
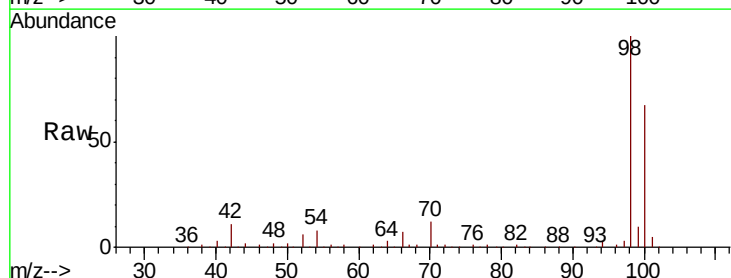
Manual Integrations
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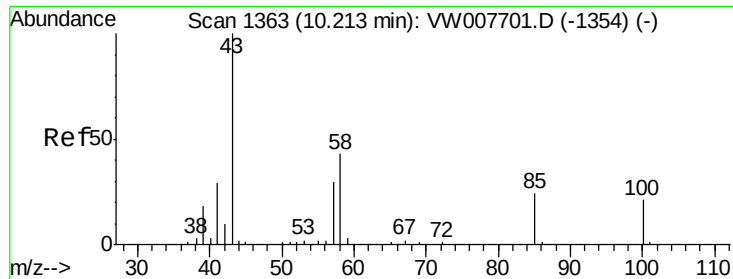
MMDadoda
12/26/2018 10:58:56 AM



#50
Toluene-d8
Concen: 56.015 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 115.099 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 43 Resp: 46391

Ion Ratio Lower Upper

43 100

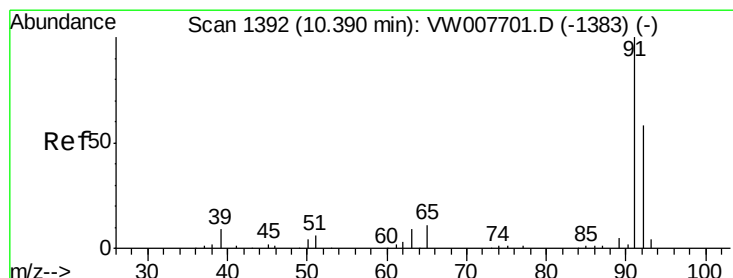
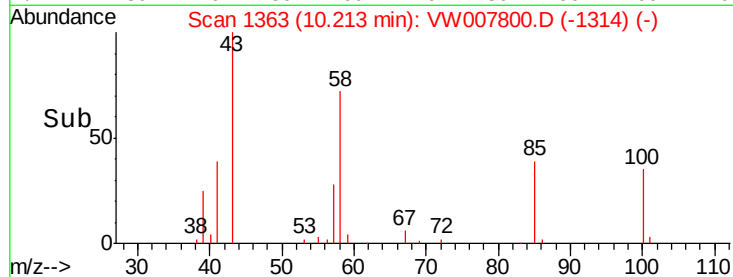
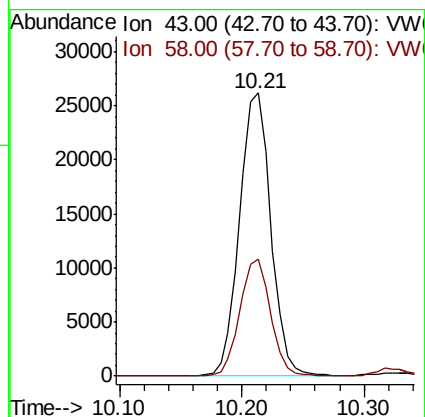
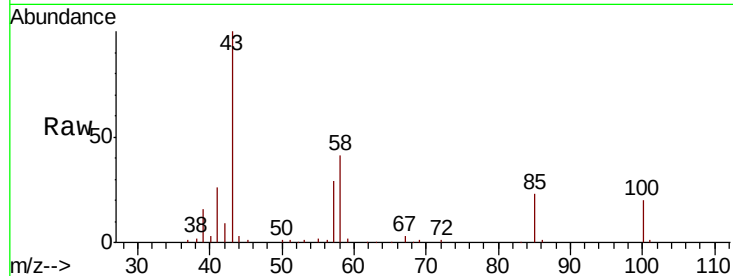
58 40.5 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 20.172 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007800.D

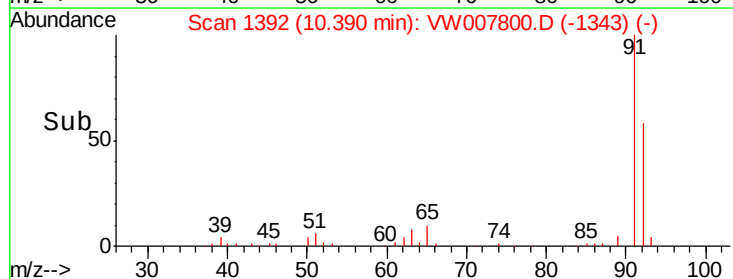
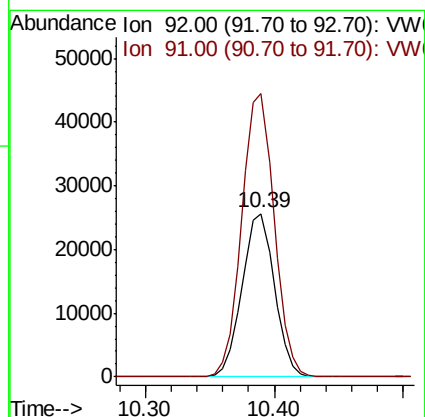
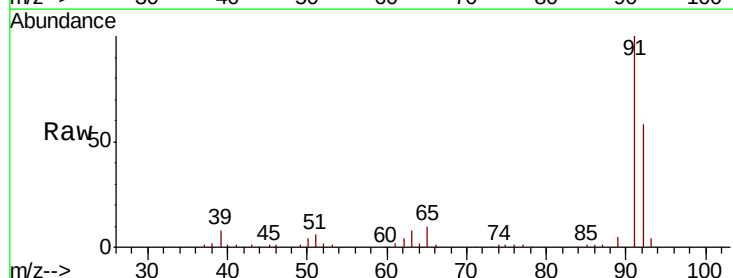
Acq: 21 Dec 2018 17:38

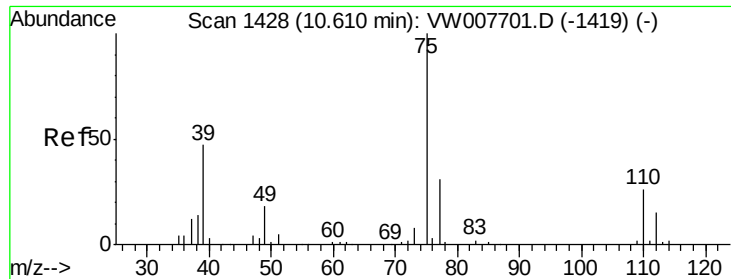
Tgt Ion: 92 Resp: 44547

Ion Ratio Lower Upper

92 100

91 173.9 137.0 205.4





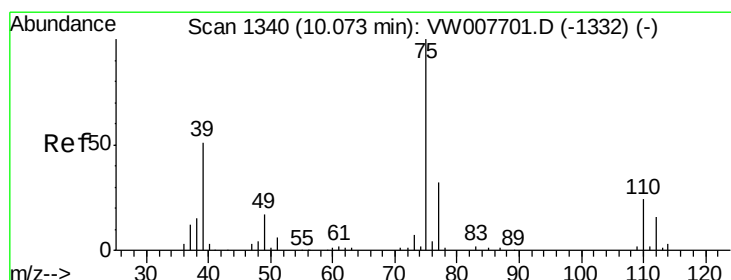
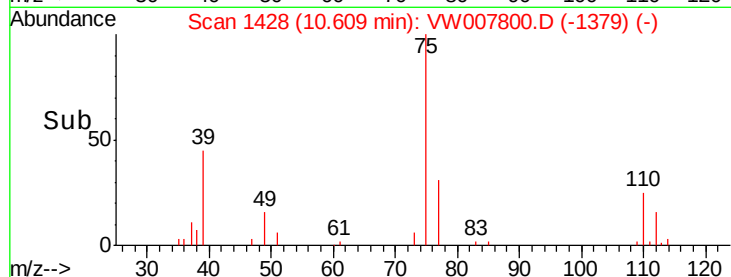
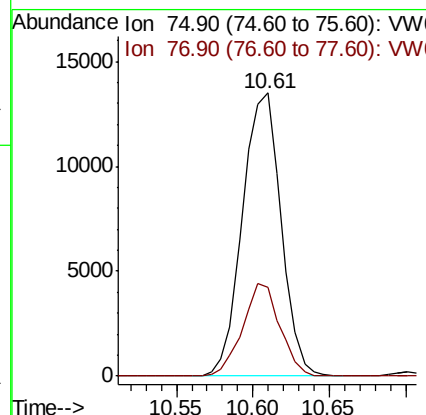
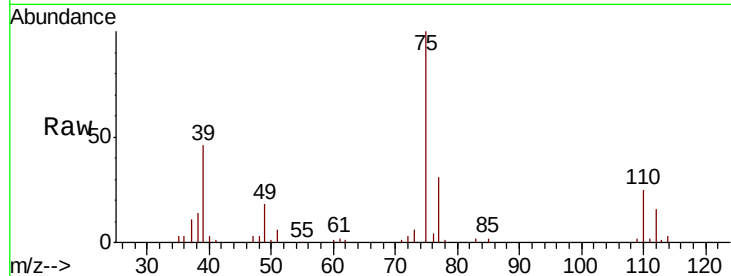
#53
 t-1,3-Dichloropropene
 Concen: 20.140 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion: 75 Resp: 23677
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8

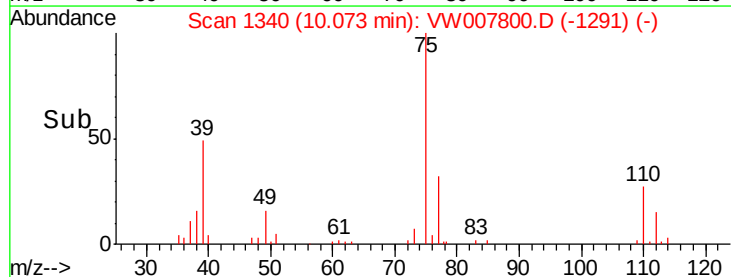
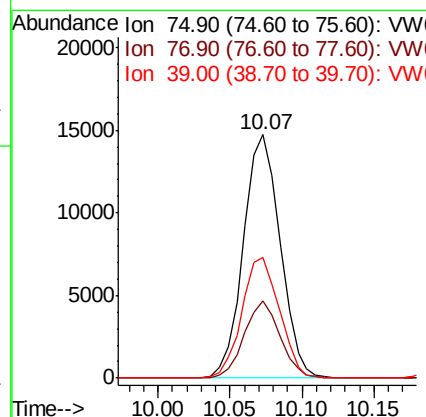
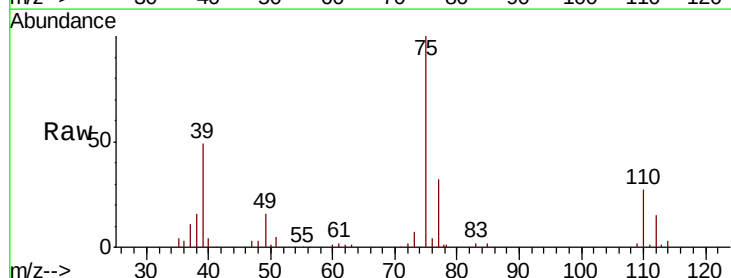
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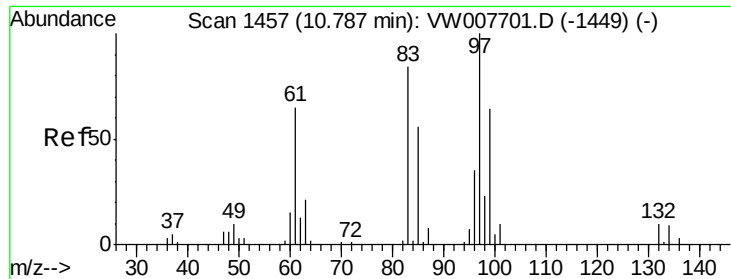
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.045 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 75 Resp: 26029
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3
 39 49.4 41.2 61.8





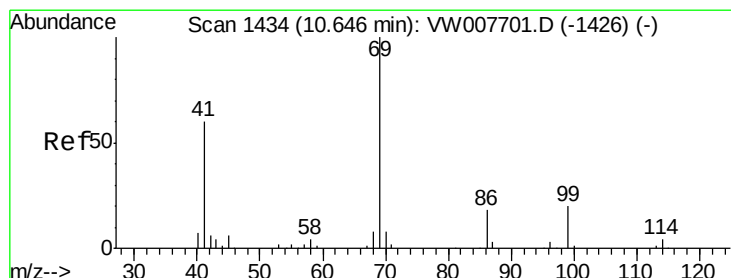
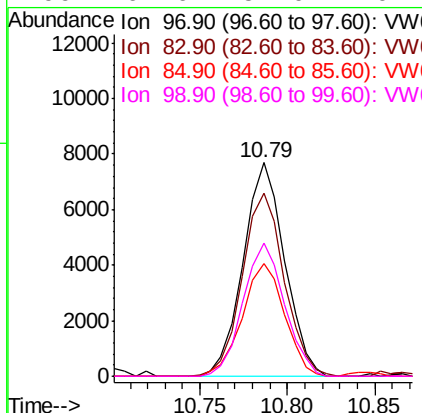
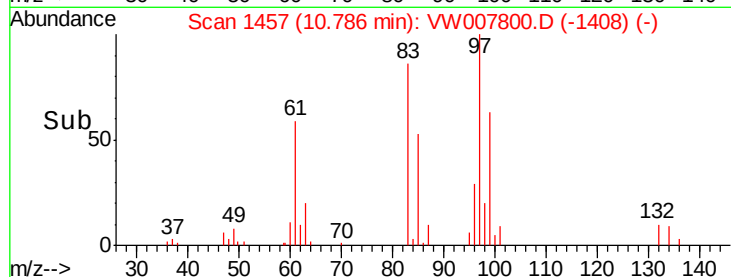
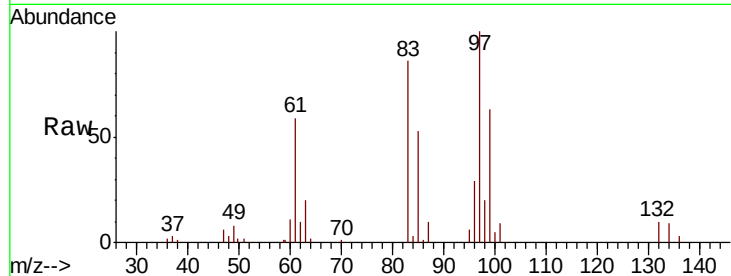
#55
 1,1,2-Trichloroethane
 Concen: 20.439 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion:	97	Resp:	12668
Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.5	101.3
85	52.8	44.8	67.2
99	62.6	51.0	76.4

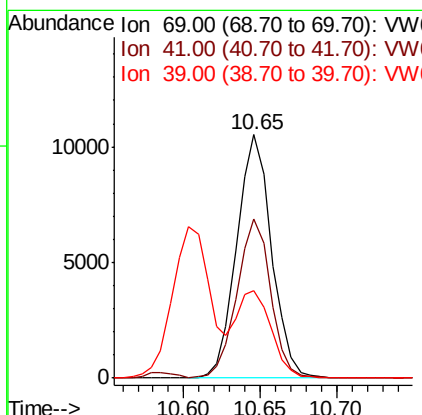
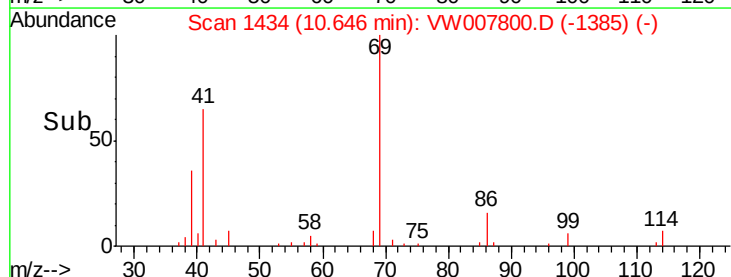
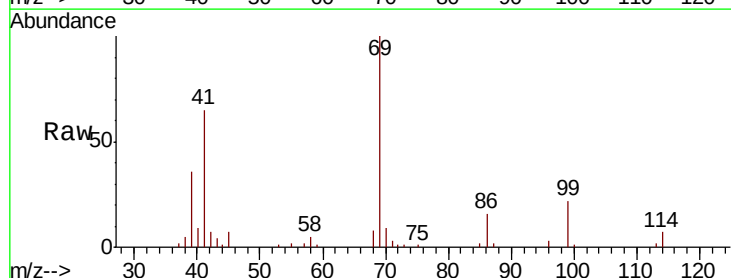
Manual Integrations
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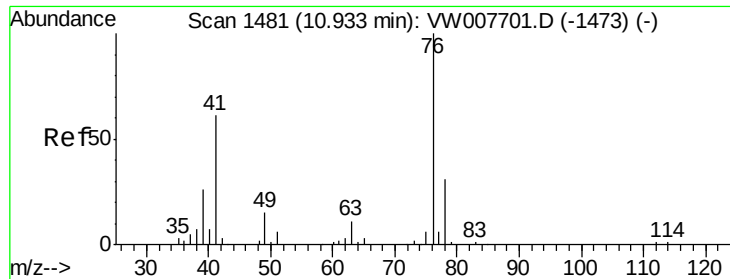
MMDadoda
 12/26/2018 10:58:56 AM



#56
 Ethyl methacrylate
 Concen: 22.625 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion:	69	Resp:	16568
Ion	Ratio	Lower	Upper
69	100		
41	63.7	48.9	73.3
39	35.8	31.3	46.9





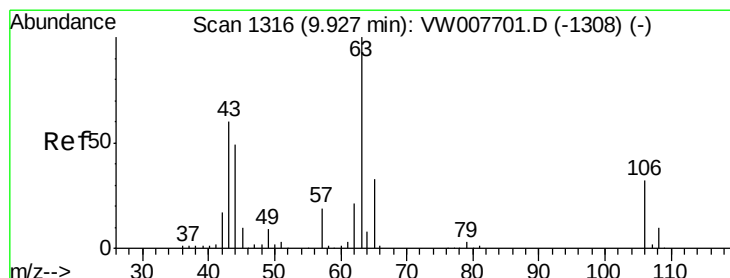
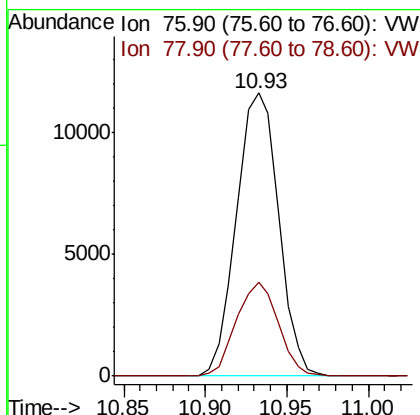
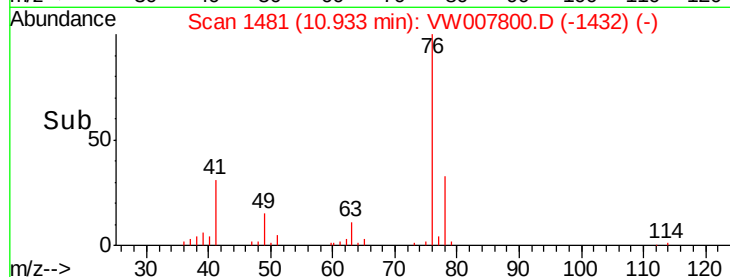
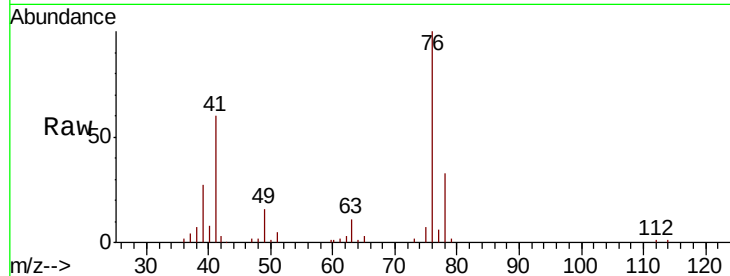
#57
 1,3-Dichloropropane
 Concen: 20.447 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBSD01

Tot Ion: 76 Resp: 21044
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

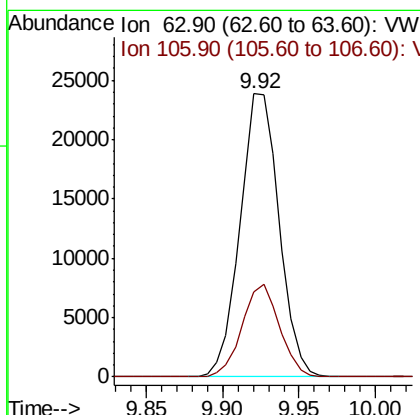
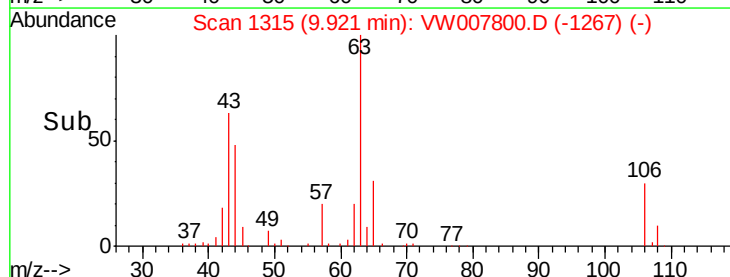
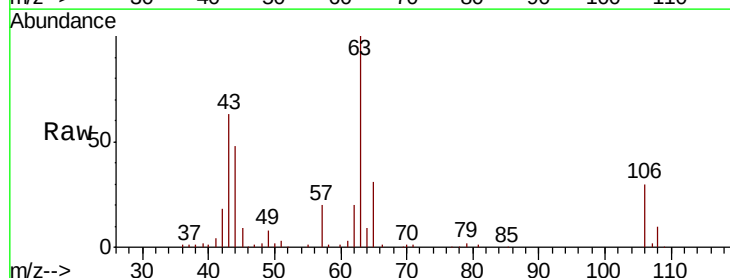
Manual Integrations
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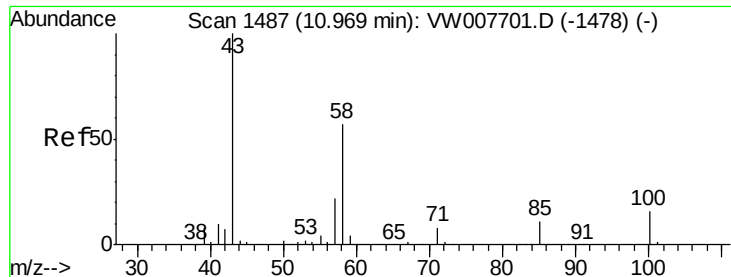
MMDadoda
 12/26/2018 10:58:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 126.188 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 63 Resp: 42190
 Ion Ratio Lower Upper
 63 100
 106 31.5 25.9 38.9





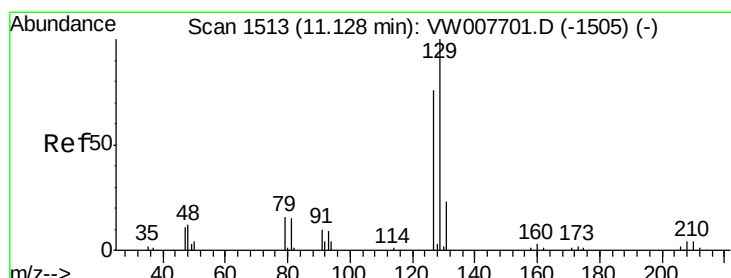
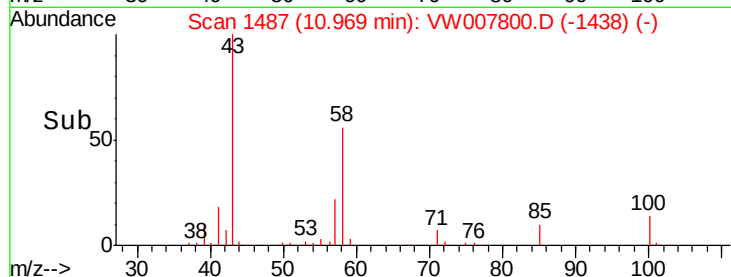
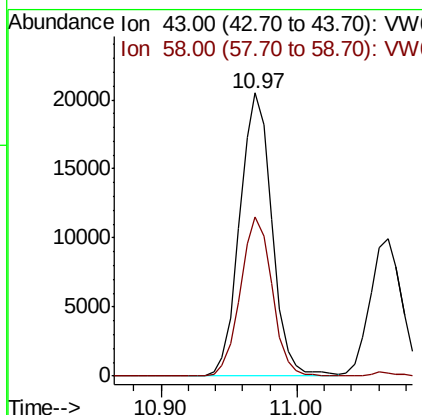
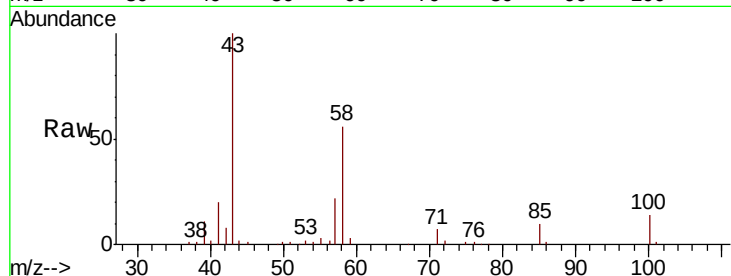
#59
2-Hexanone
Concen: 119.458 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 43 Resp: 33861
Ion Ratio Lower Upper
43 100
58 55.1 27.7 83.1

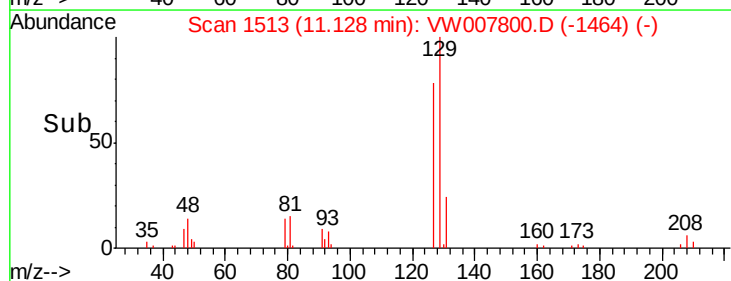
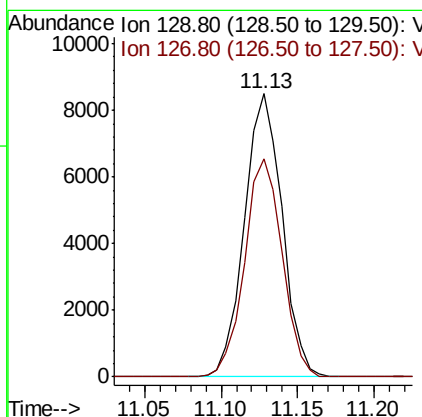
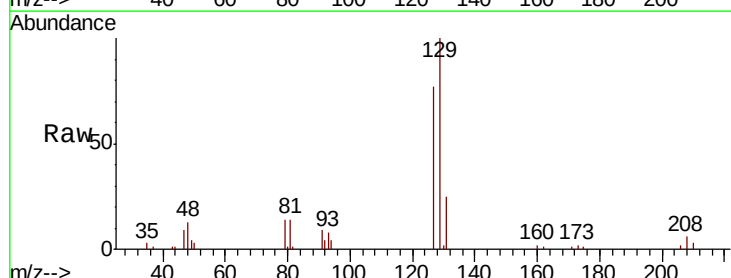
Manual Integrations
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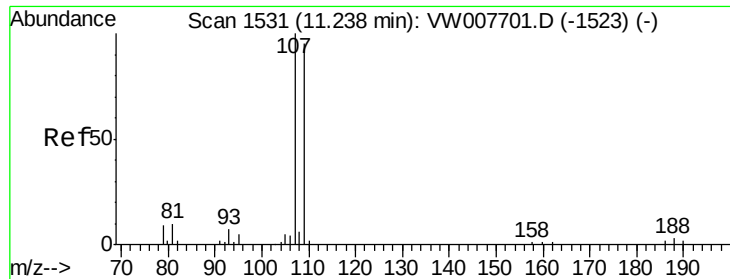
MMDadoda
12/26/2018 10:58:56 AM



#60
Dibromochloromethane
Concen: 17.732 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 129 Resp: 14552
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





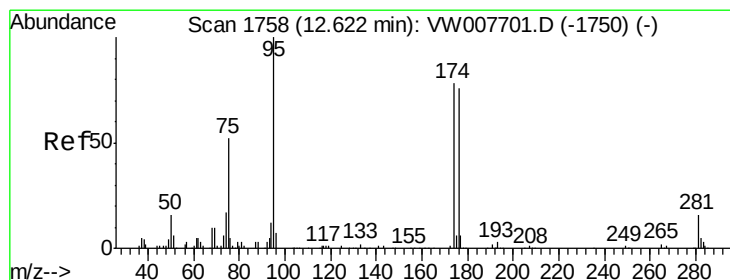
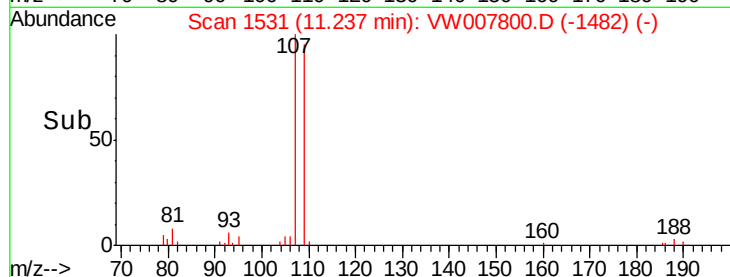
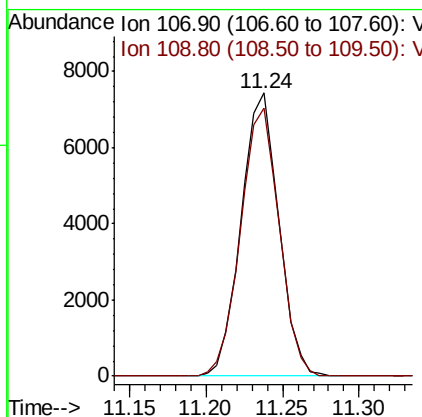
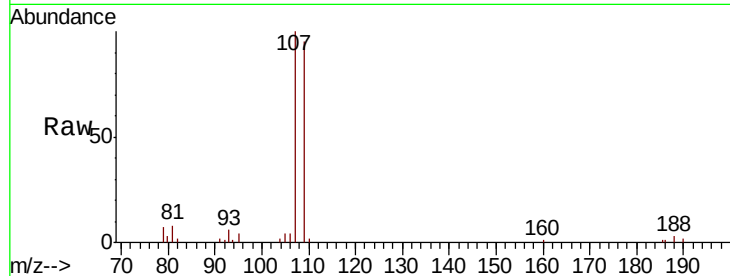
#61
 1,2-Dibromoethane
 Concen: 20.266 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion:107 Resp: 12720
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.4 113.0

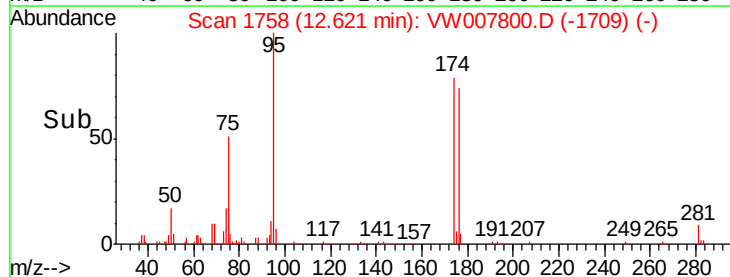
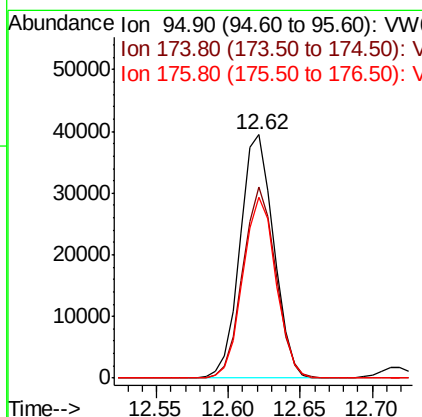
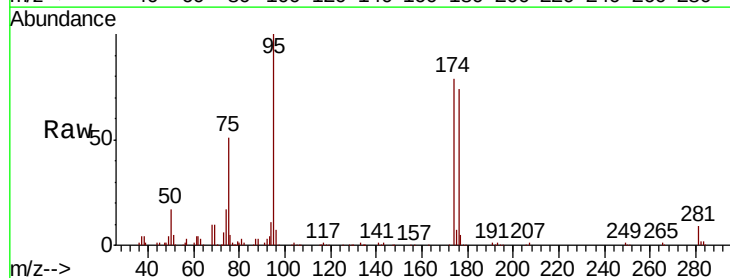
Manual Integrations
 APPROVED

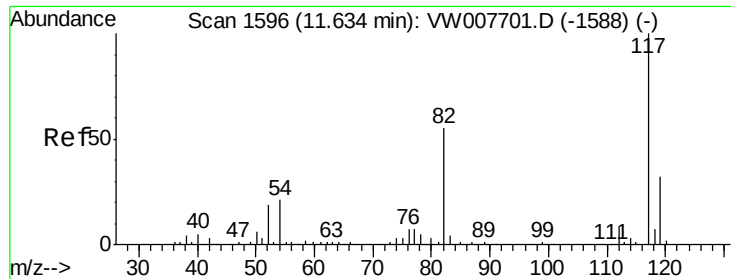
MMDadoda
 12/26/2018 10:58:56 AM



#62
 4-Bromofluorobenzene
 Concen: 56.303 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion: 95 Resp: 63928
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 152.2
 176 73.0 0.0 146.8





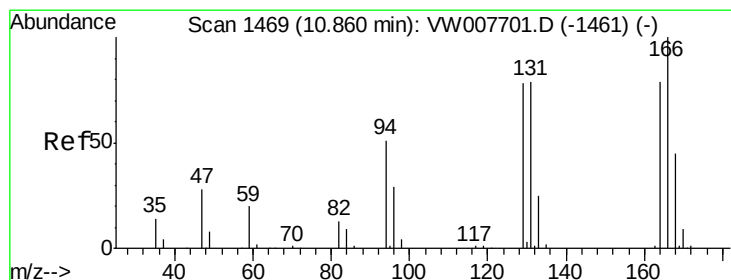
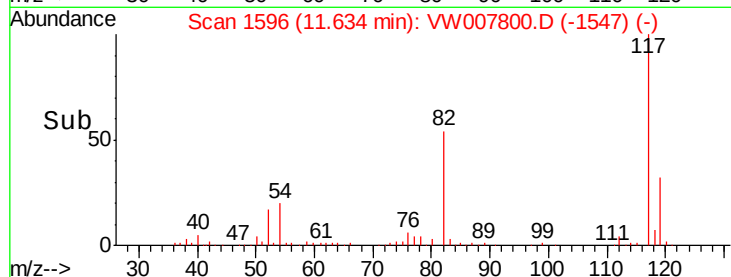
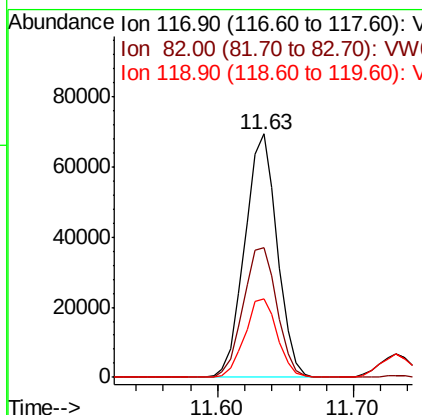
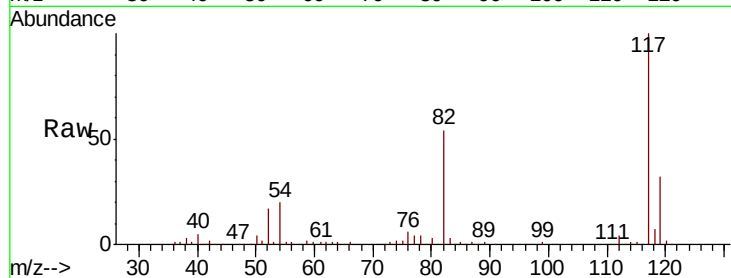
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	44.3	66.5
119	32.2	25.7	38.5

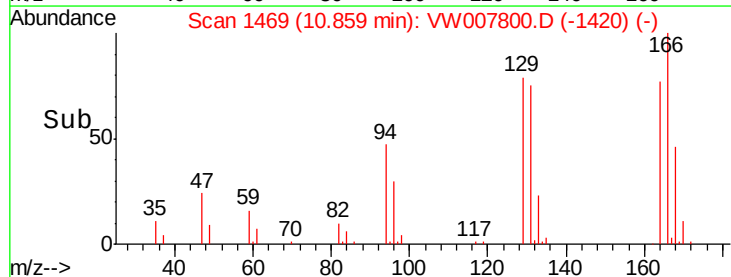
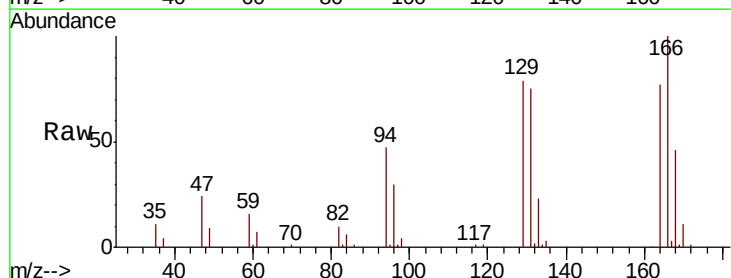
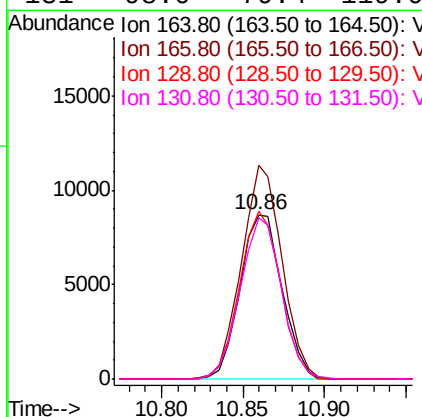
Manual Integrations
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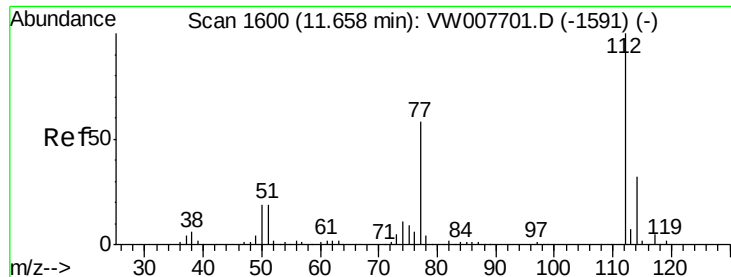
MMDadoda
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#64
Tetrachloroethene
Concen: 19.048 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.0	151.6
129	102.4	78.7	118.1
131	98.0	79.4	119.0





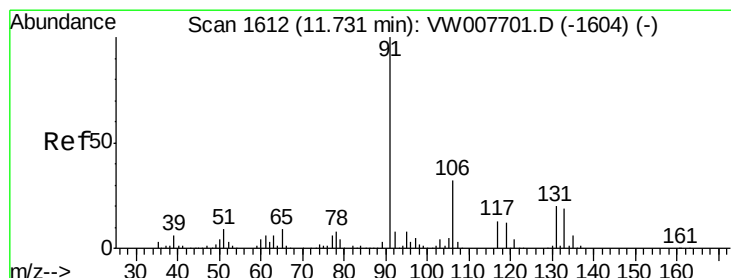
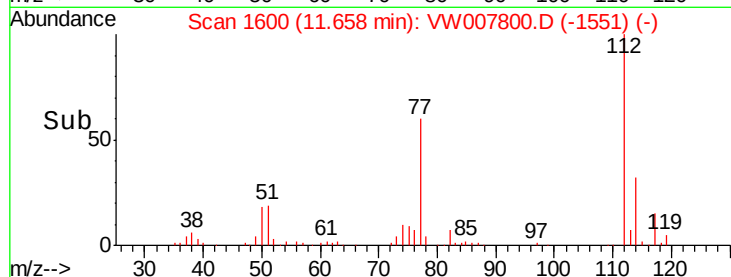
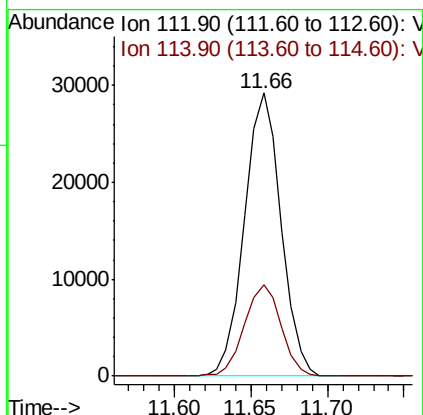
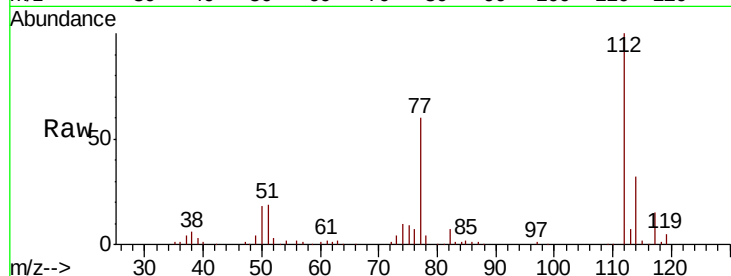
#65
Chlorobenzene
Concen: 19.401 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion:112 Resp: 48489
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

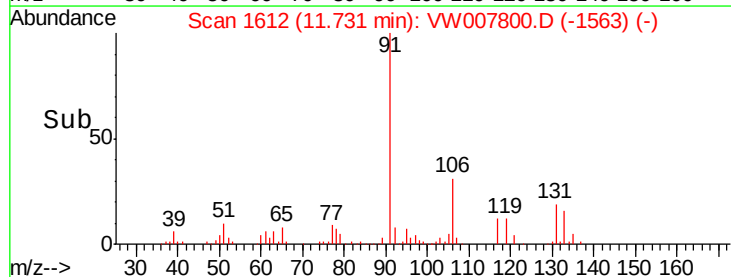
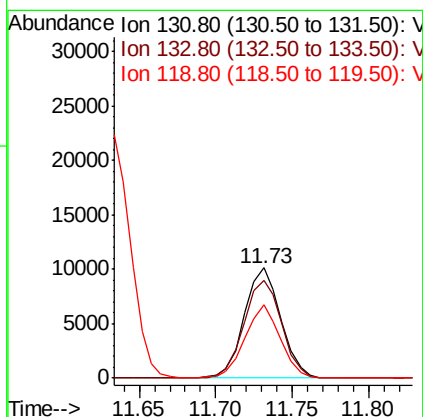
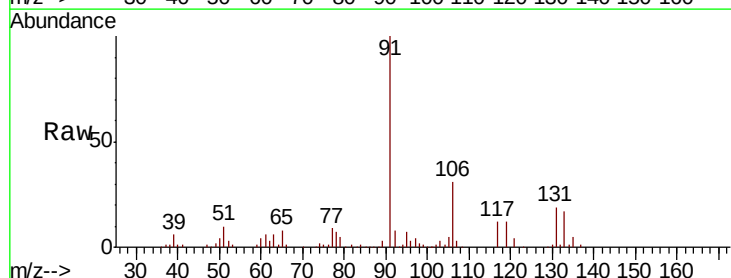
Manual Integrations
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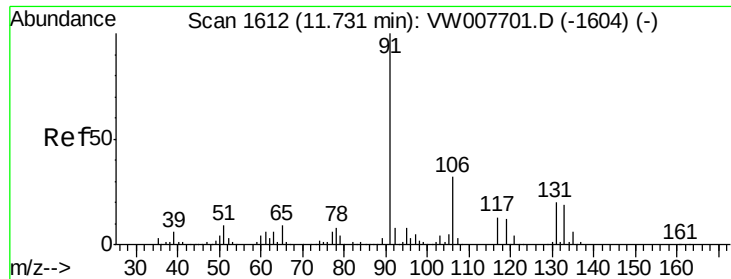
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.722 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:131 Resp: 16720
Ion Ratio Lower Upper
131 100
133 91.5 47.5 142.5
119 64.1 30.2 90.6





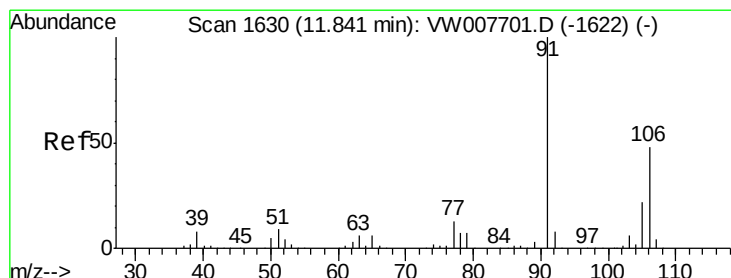
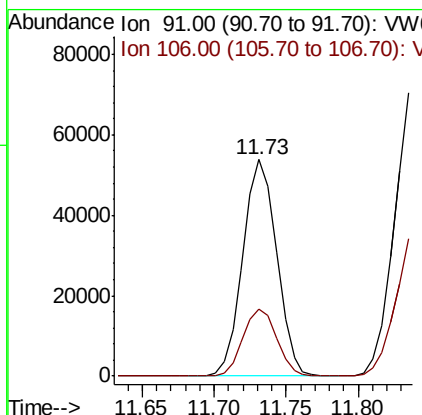
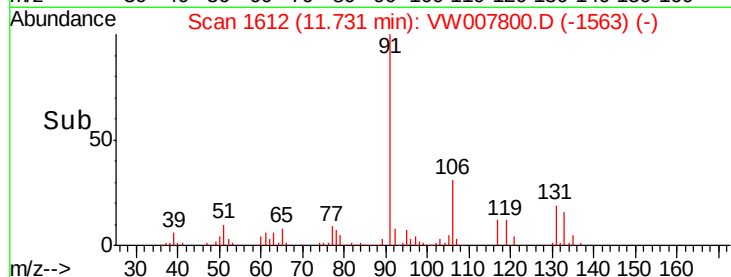
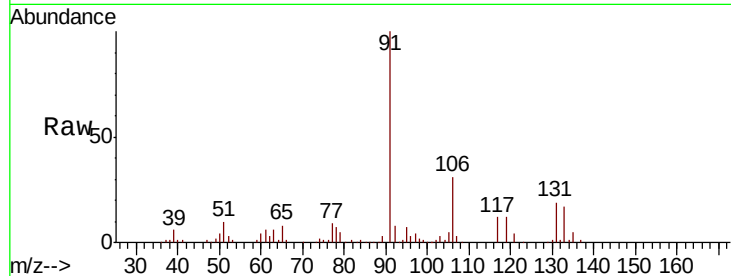
#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion: 91 Resp: 87661
Ion Ratio Lower Upper
91 100
106 30.9 25.8 38.8

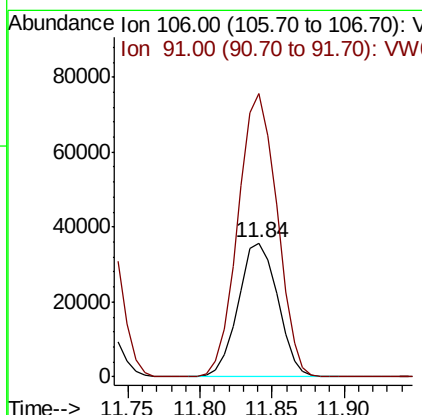
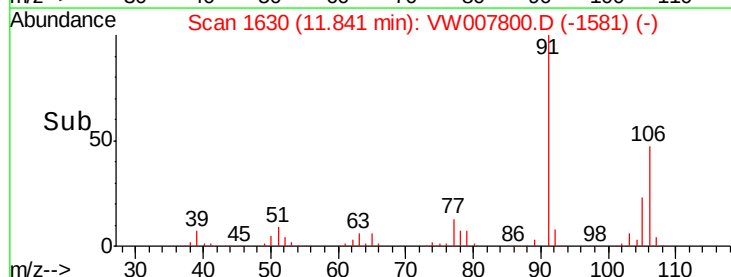
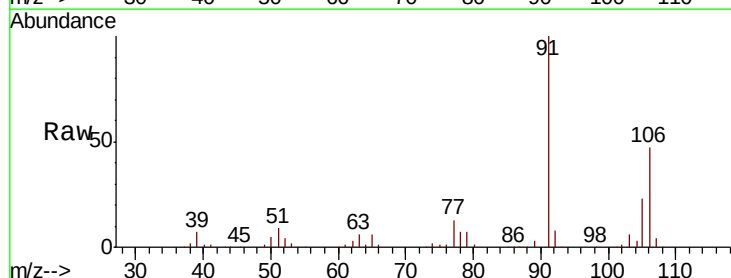
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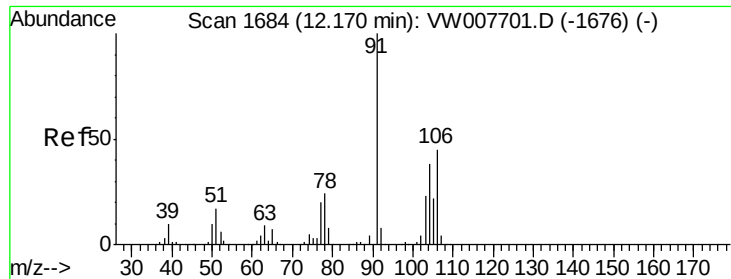
MMDadoda
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#68
m/p-Xylenes
Concen: 40.893 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion: 106 Resp: 68033
Ion Ratio Lower Upper
106 100
91 209.3 165.2 247.8





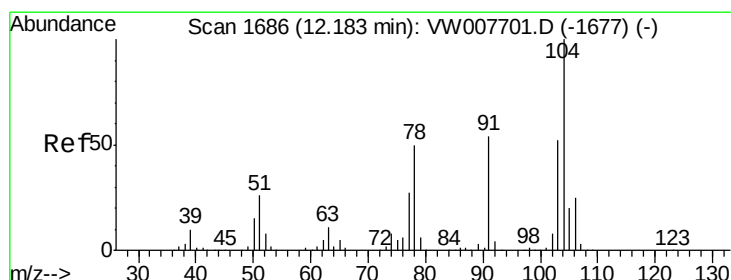
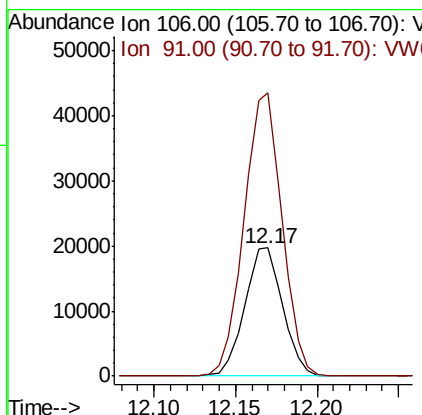
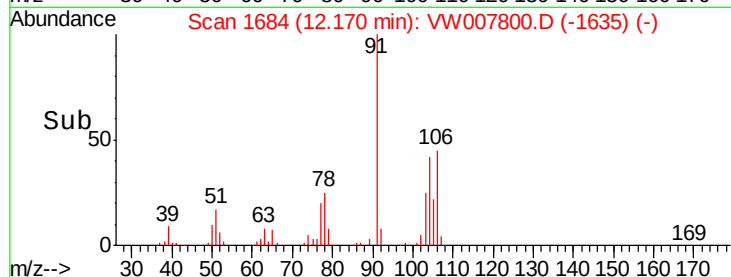
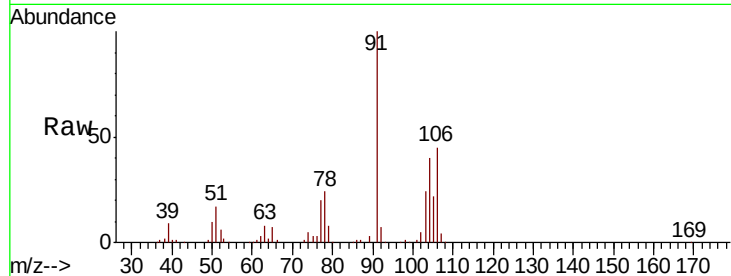
#69
o-Xylene
Concen: 20.472 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion:106 Resp: 31926
Ion Ratio Lower Upper
106 100
91 221.2 110.5 331.4

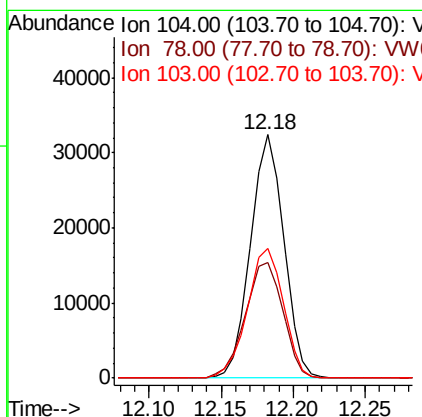
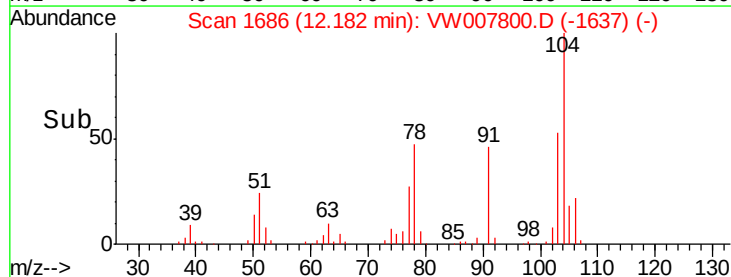
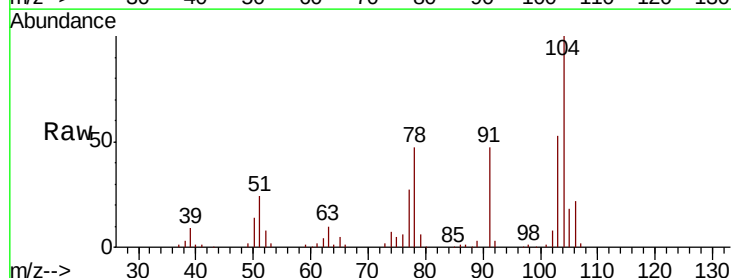
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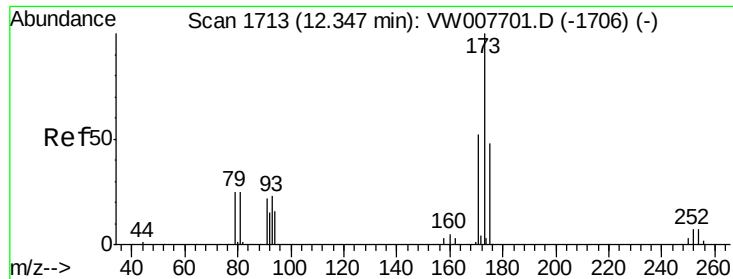
MMDadoda
12/26/2018 10:58:56 AM



#70
Styrene
Concen: 20.231 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion:104 Resp: 51862
Ion Ratio Lower Upper
104 100
78 53.8 43.4 65.0
103 57.8 44.5 66.7





#71

Bromoform

Concen: 16.368 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

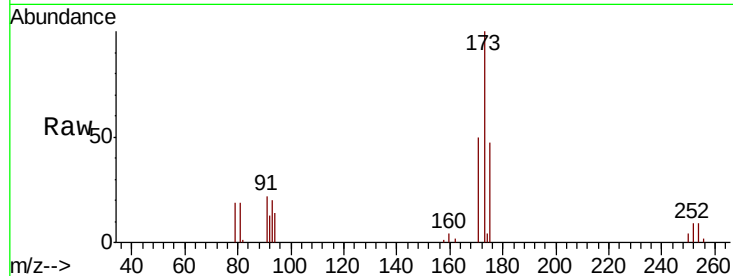
ClientSampleId :

VW1223SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	23.9	71.7
254	0.0	0.0	0.0

Manual Integrations
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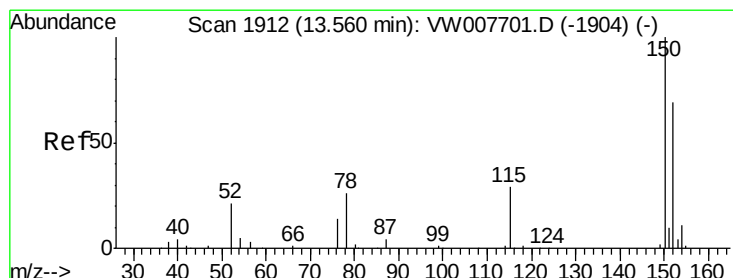
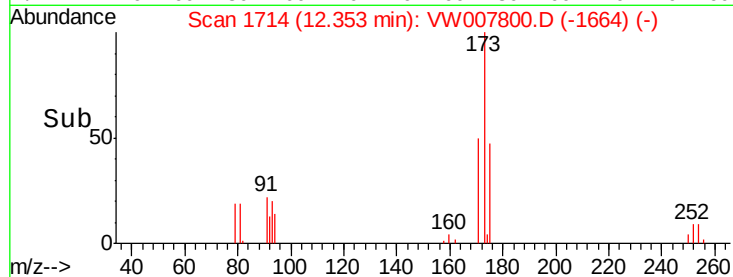
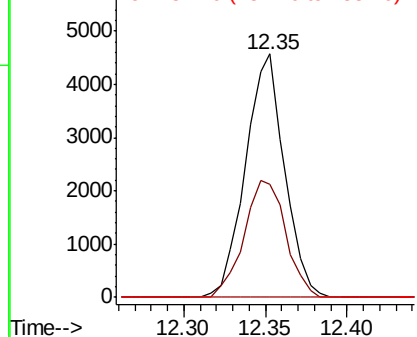


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

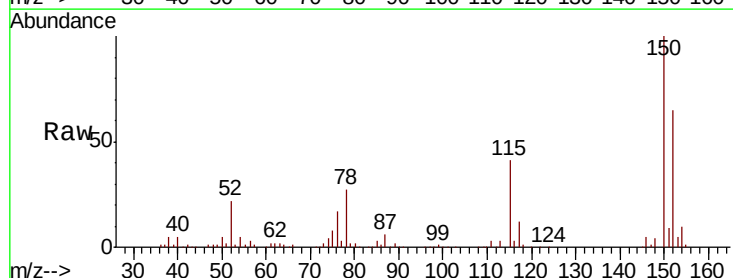
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.1	31.8	95.4
150	164.1	0.0	350.8

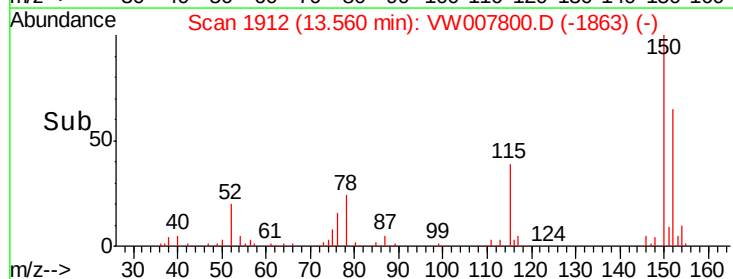
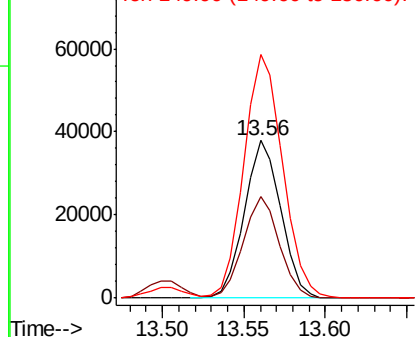


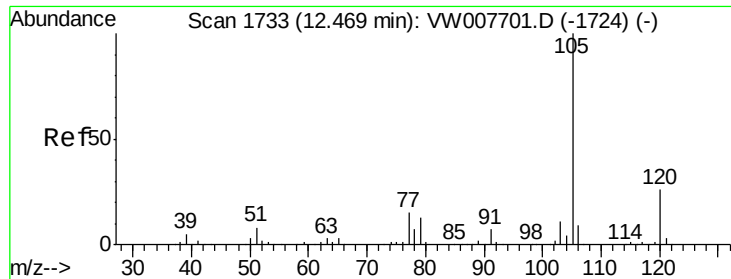
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.107 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion:105 Resp: 89901

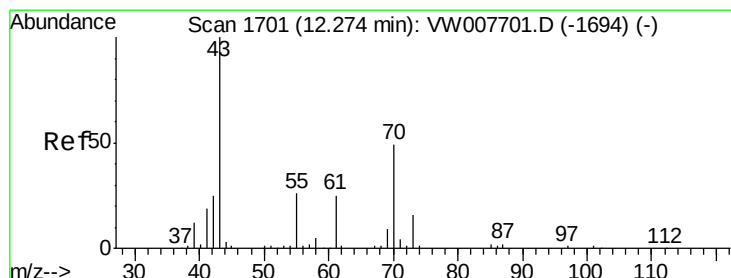
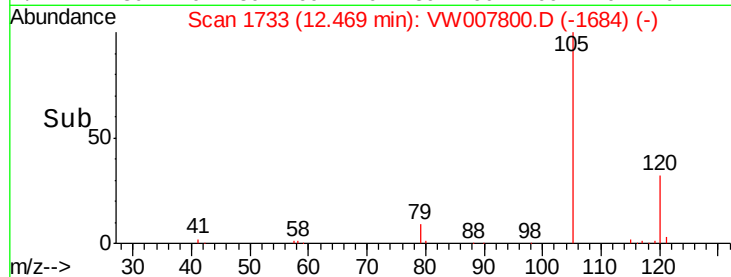
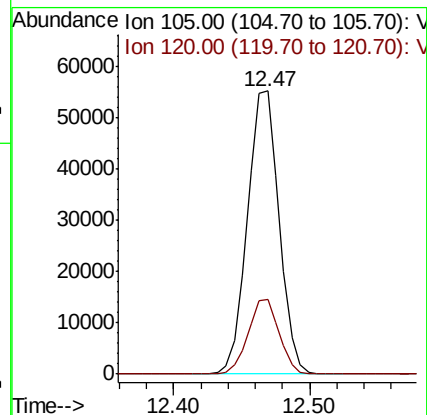
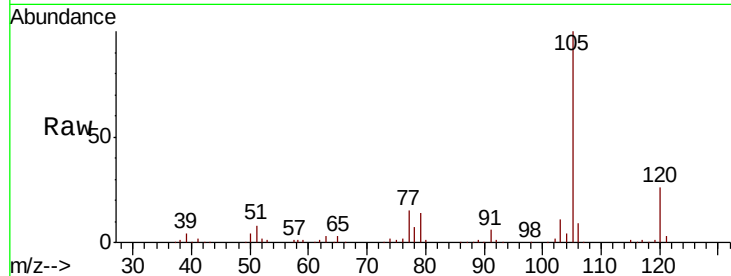
Ion Ratio Lower Upper

105 100

120 25.9 13.1 39.3

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#74

N-ethyl acetate

Concen: 24.084 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion: 43 Resp: 18653

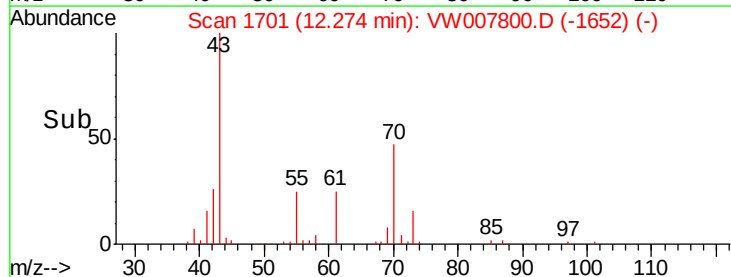
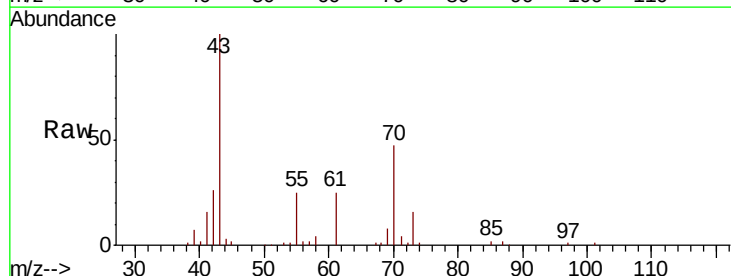
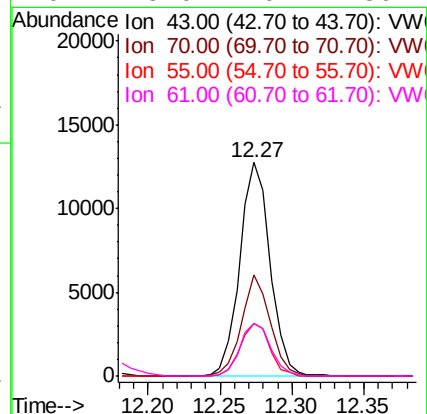
Ion Ratio Lower Upper

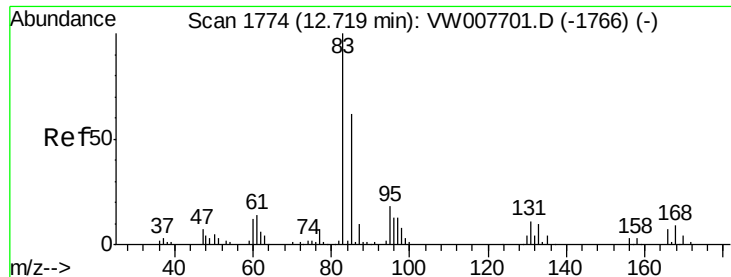
43 100

70 44.5 37.6 56.4

55 24.3 21.7 32.5

61 25.0 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.622 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

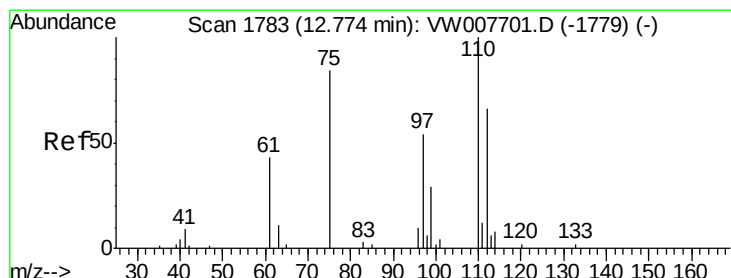
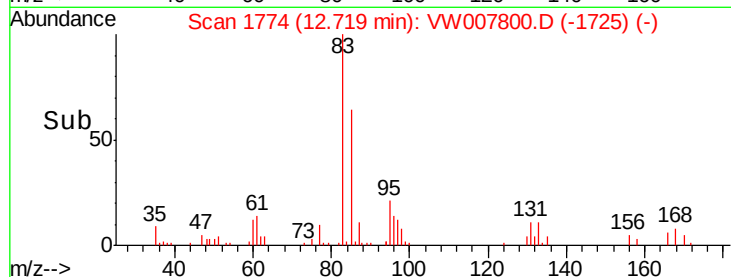
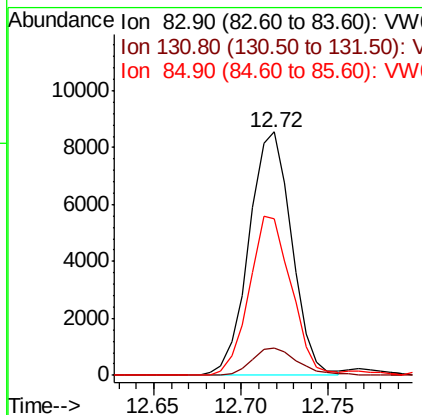
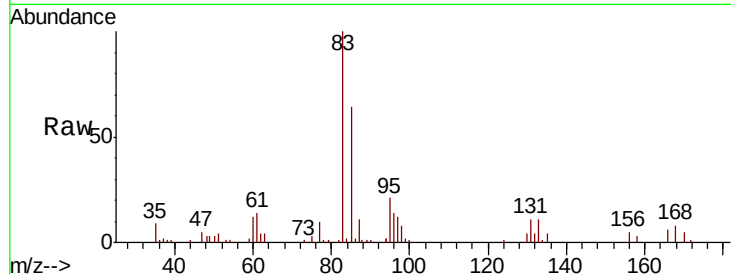
ClientSampleId :

VW1223SBS01

Tot Ion:	83	Resp:	14495
Ion	Ratio	Lower	Upper
83	100		
131	12.0	6.3	18.8
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.992 ug/l m

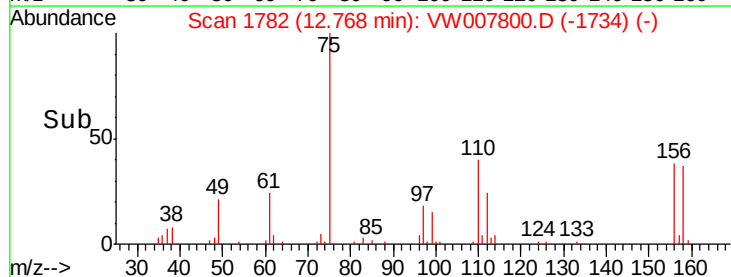
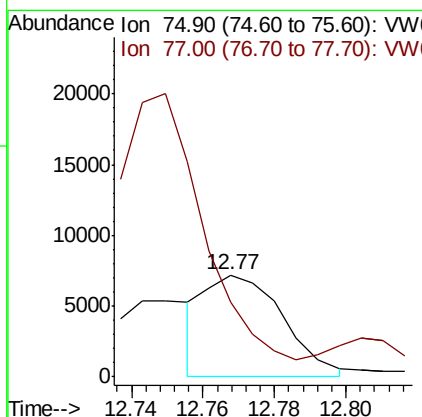
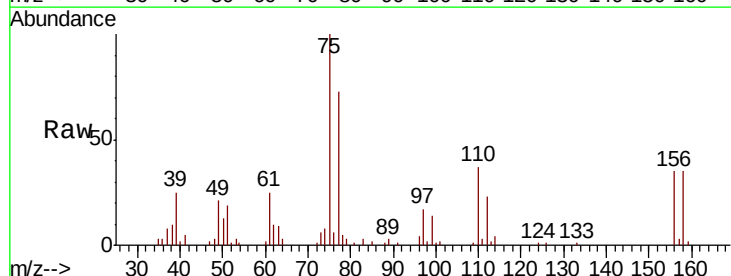
RT: 12.77 min Scan# 1782

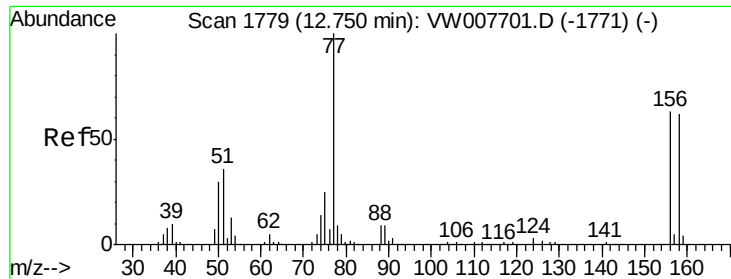
Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion:	75	Resp:	10969
Ion	Ratio	Lower	Upper
75	100		
77	332.7	0.0	0.0#





#77

Bromobenzene

Concen: 20.217 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

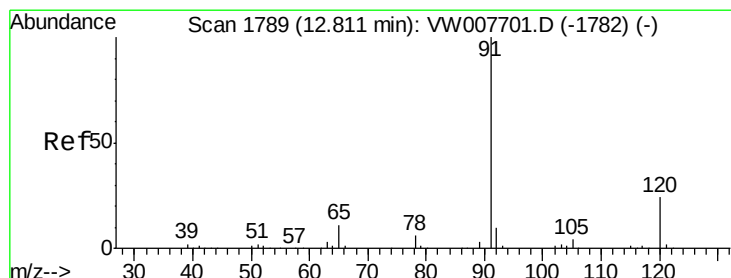
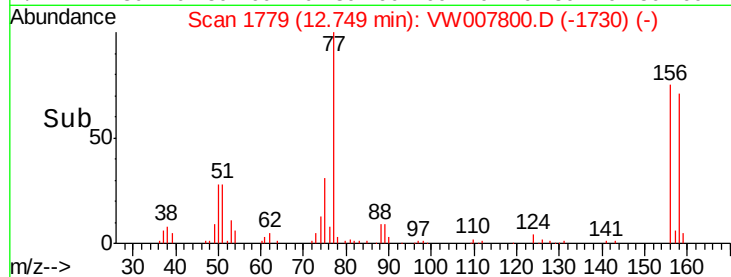
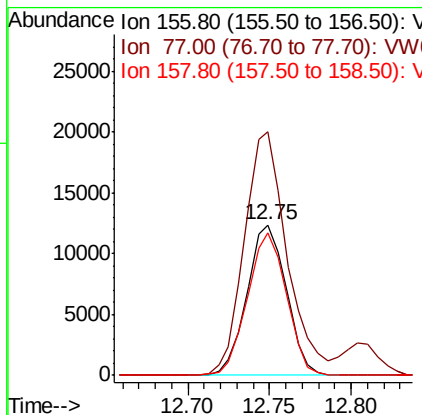
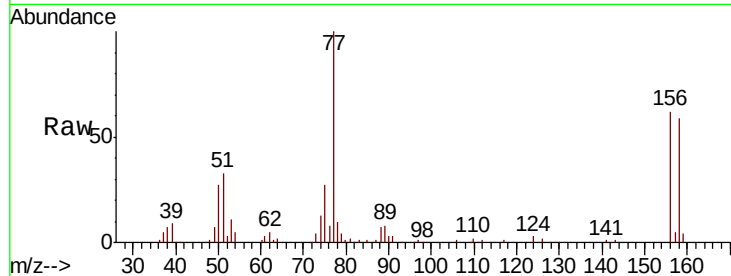
ClientSampleId :

VW1223SBS01

Tot Ion	156	Resp	20716
Ion	Ratio	Lower	Upper
156	100		
77	176.2	87.4	262.1
158	93.8	48.4	145.0

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#78

n-propylbenzene

Concen: 19.964 ug/l

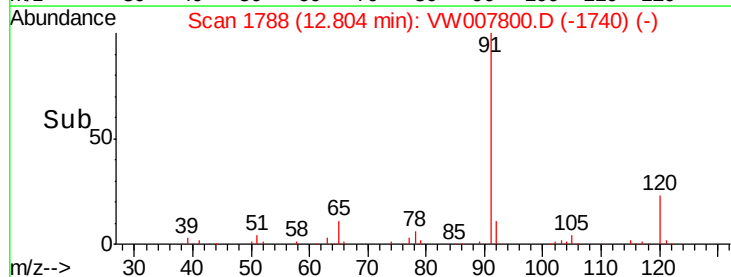
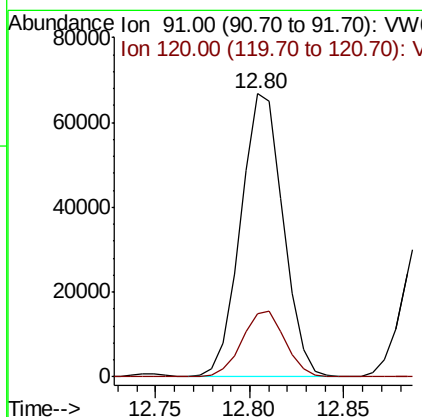
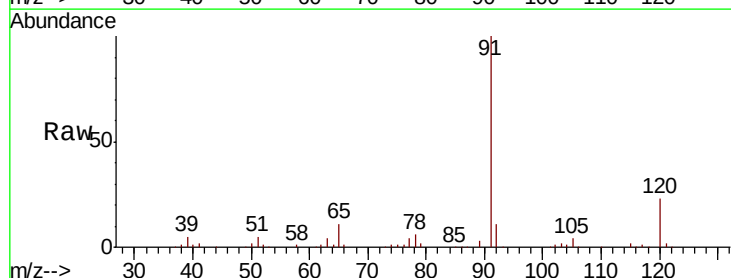
RT: 12.80 min Scan# 1788

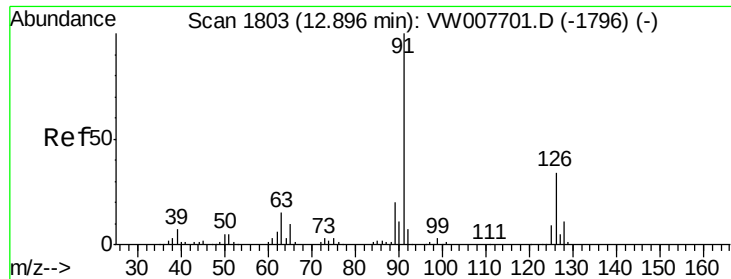
Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion	91	Resp	103911
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.7





#79

2-Chlorotoluene

Concen: 20.310 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion: 91 Resp: 61581

Ion Ratio Lower Upper

91 100

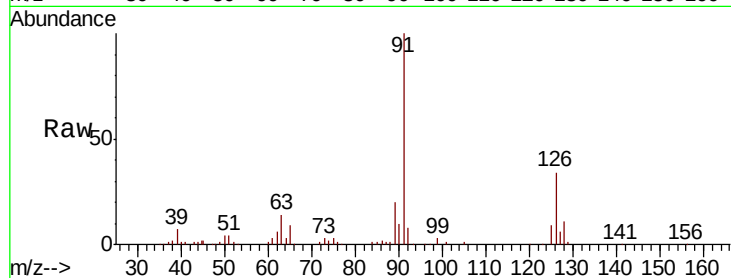
126 33.1 17.0 51.0

Manual Integrations

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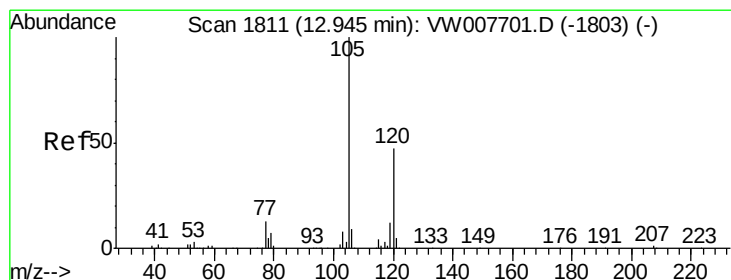
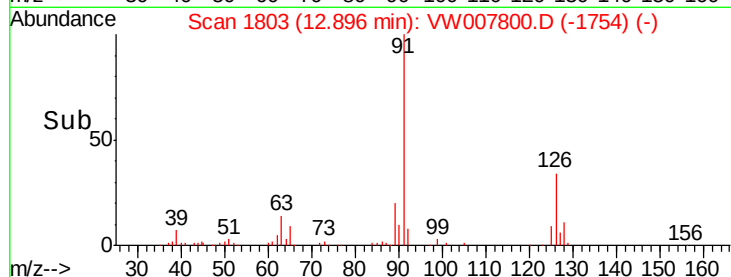
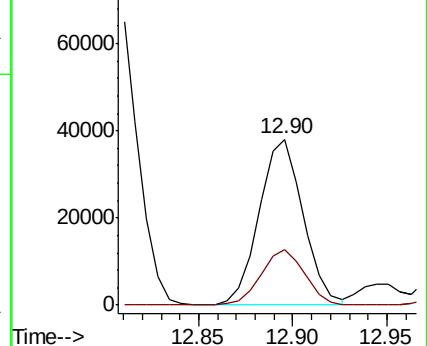
MMDadoda

12/26/2018 10:58:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.235 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW007800.D

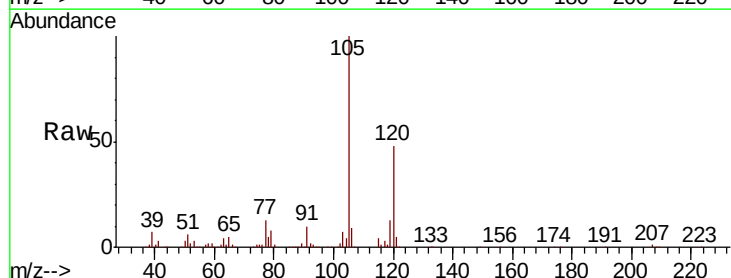
Acq: 21 Dec 2018 17:38

Tgt Ion:105 Resp: 78043

Ion Ratio Lower Upper

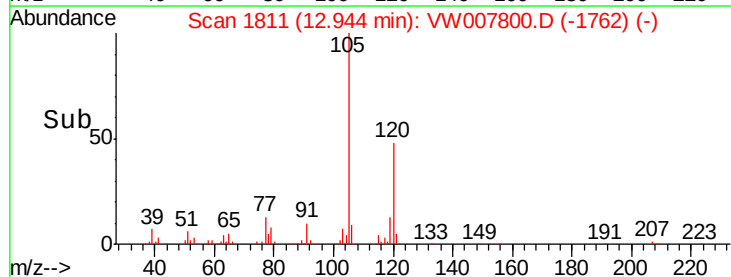
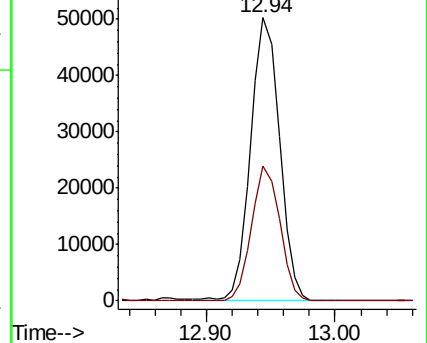
105 100

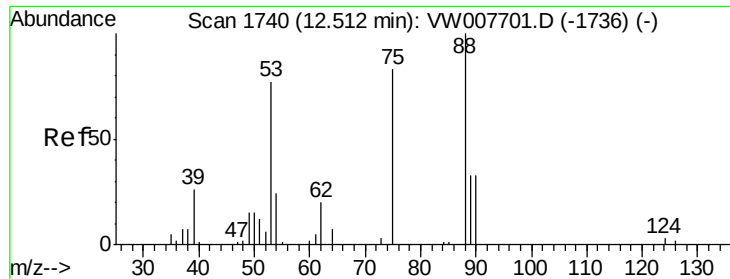
120 46.7 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





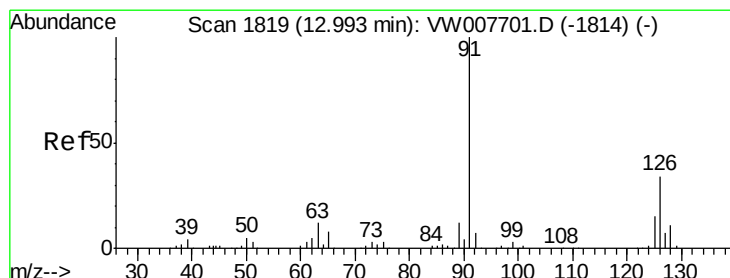
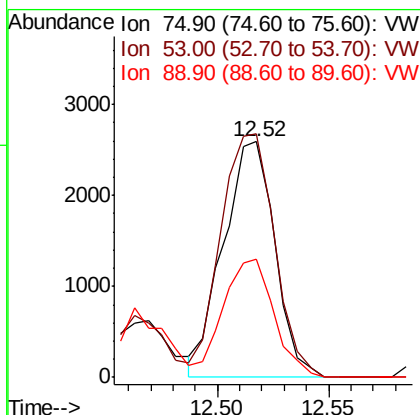
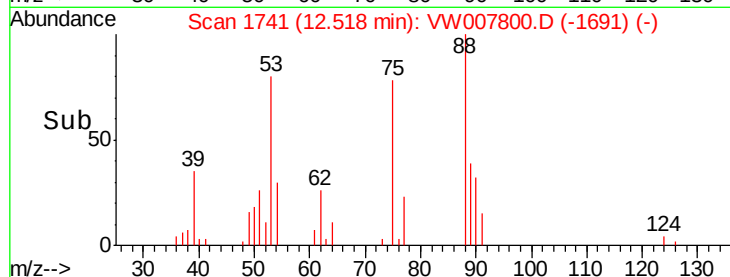
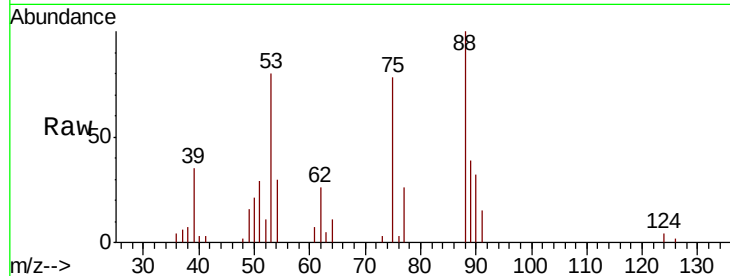
#81
trans-1,4-Dichloro-2-butene
Concen: 19.146 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	107.7	80.2	120.2
89	49.7	39.2	58.8

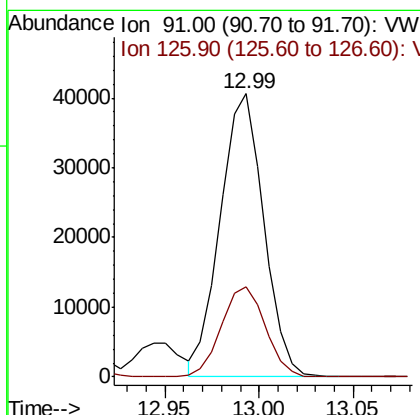
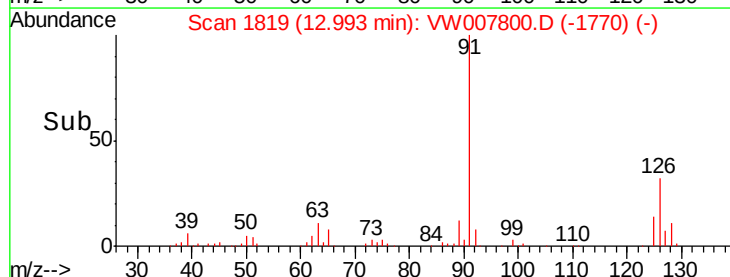
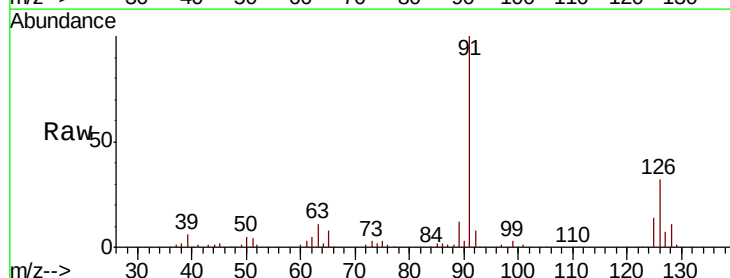
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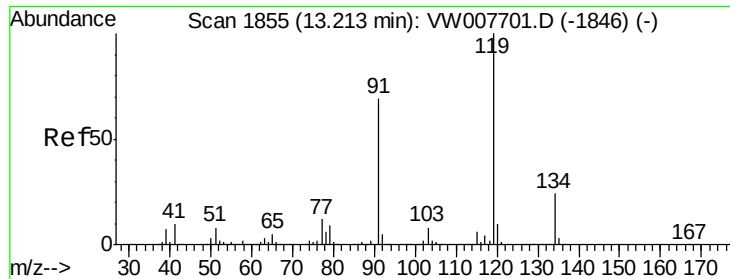
MMDadoda
12/26/2018 10:58:56 AM



#82
4-Chlorotoluene
Concen: 20.112 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.5	49.5





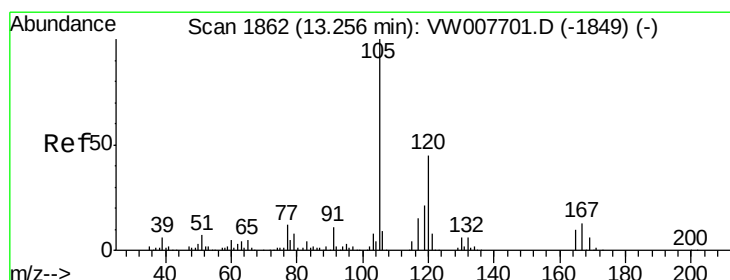
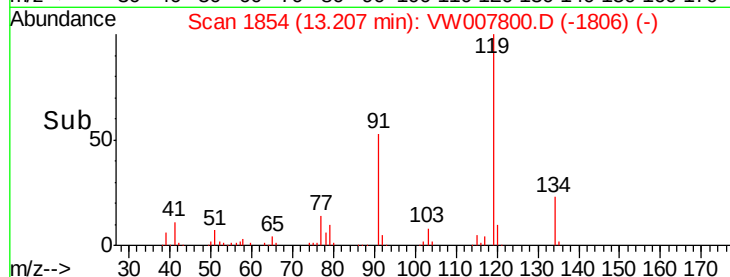
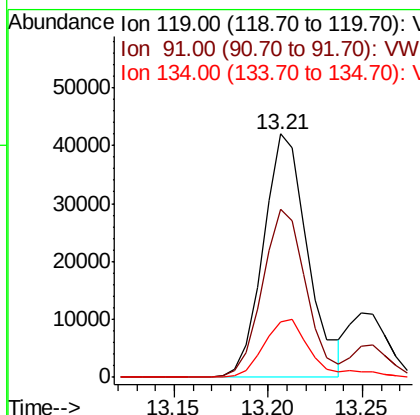
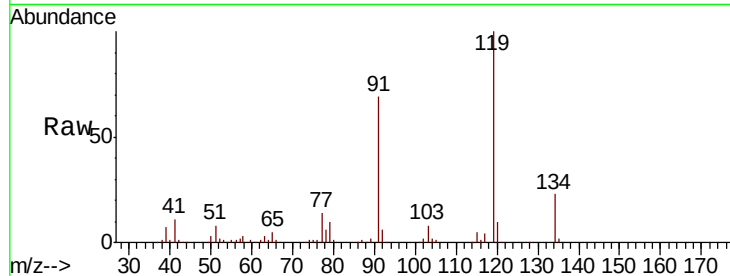
#83
tert-Butylbenzene
Concen: 20.301 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	34.2	102.5
134	25.7	12.8	38.4

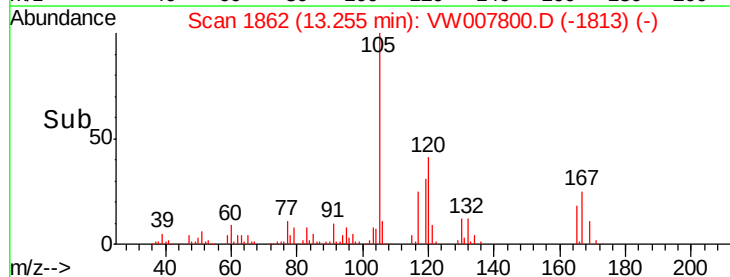
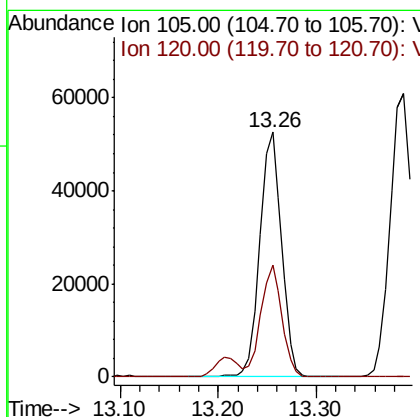
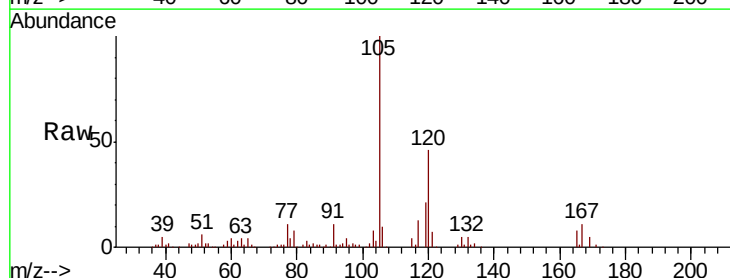
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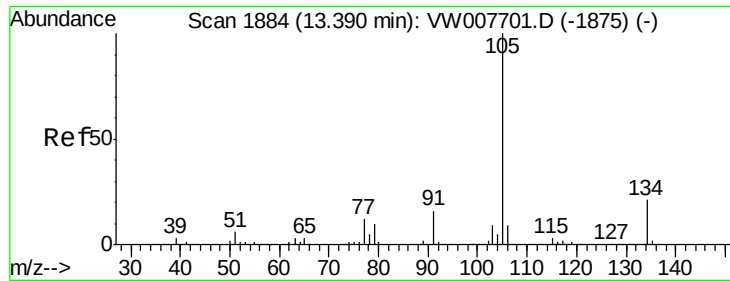
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#84
1,2,4-Trimethylbenzene
Concen: 20.811 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.0	66.0





#85

sec-Butylbenzene

Concen: 20.263 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

ClientSampleId :

VW1223SBS01

Tot Ion:105 Resp: 94501

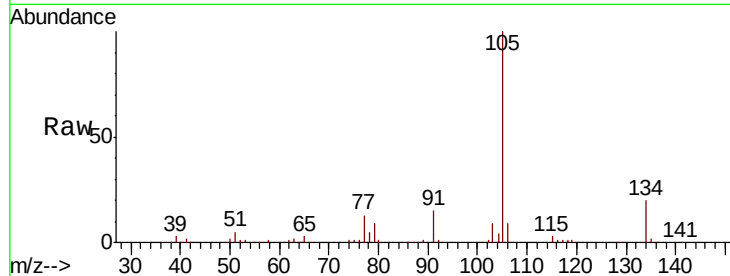
Ion Ratio Lower Upper

105 100

134 19.7 10.2 30.4

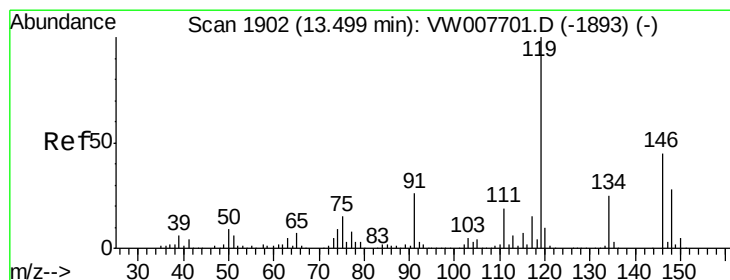
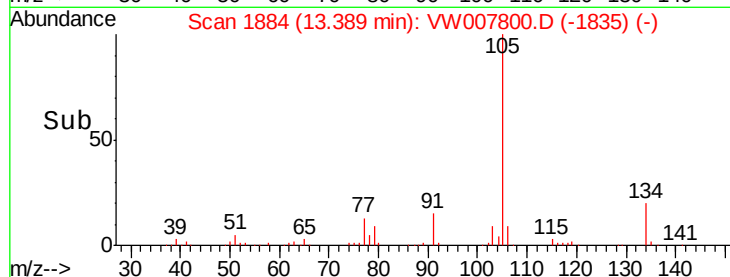
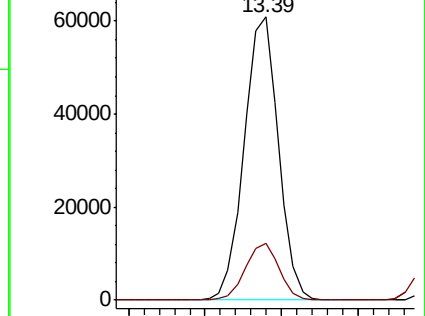
Manual Integrations
APPROVED

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12/26/2018 10:58:56 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.363 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

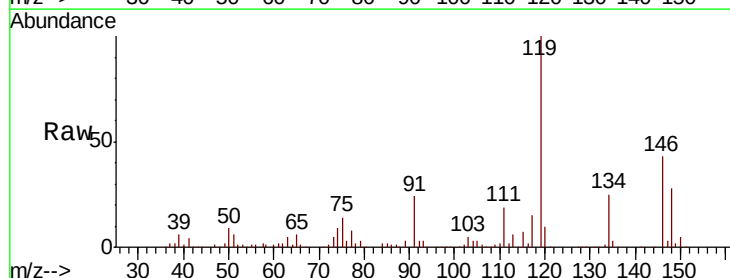
Tgt Ion:119 Resp: 86357

Ion Ratio Lower Upper

119 100

134 25.8 13.0 39.0

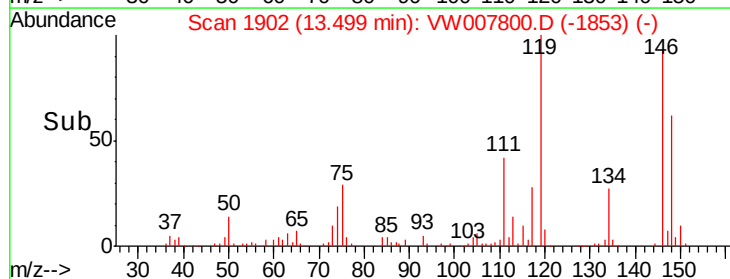
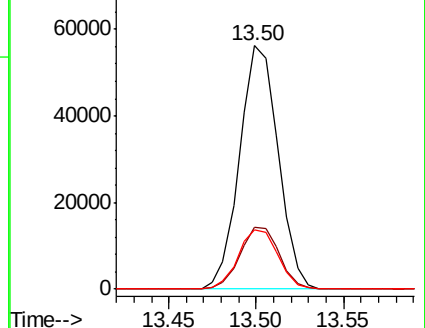
91 25.1 12.8 38.4

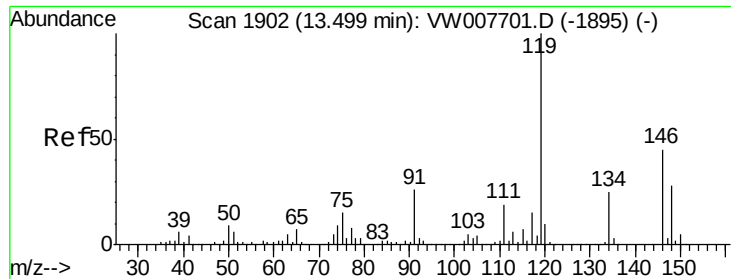


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





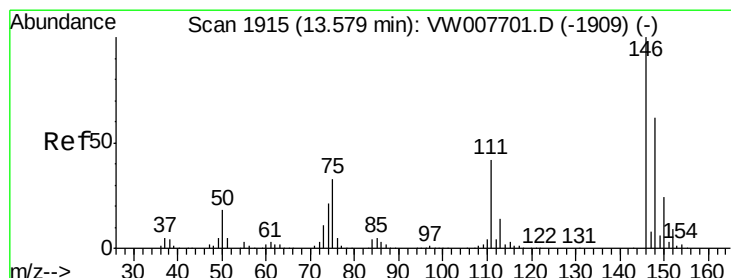
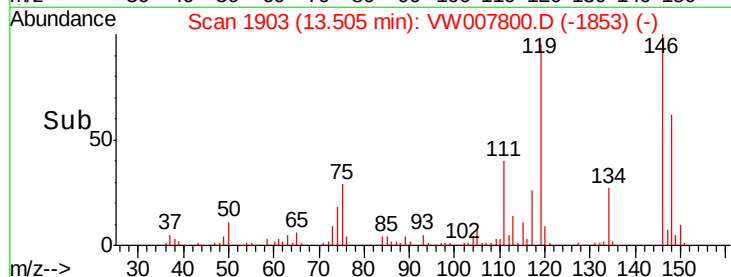
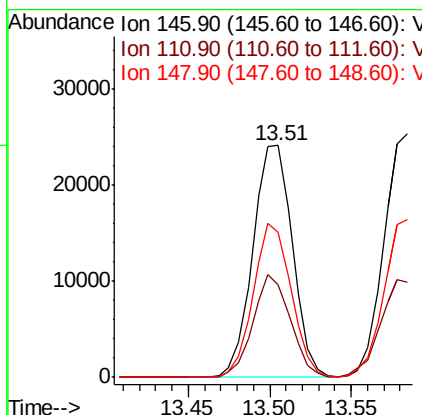
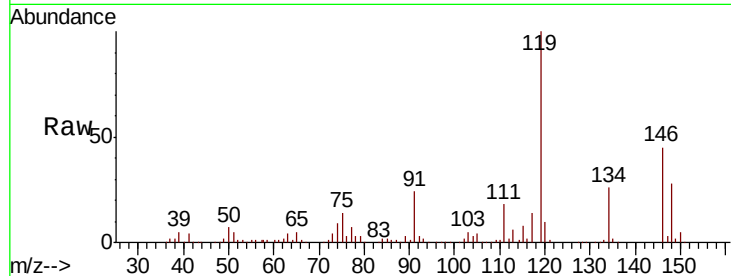
#87
 1,3-Dichlorobenzene
 Concen: 20.010 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.4
148	63.5	32.1	96.5

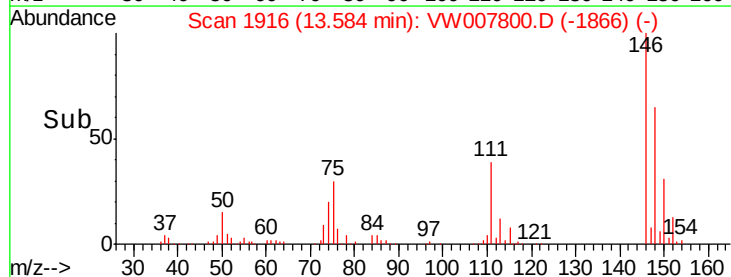
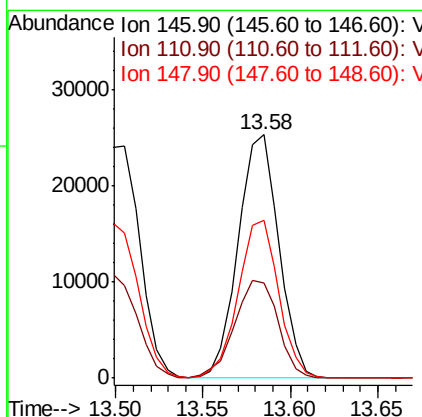
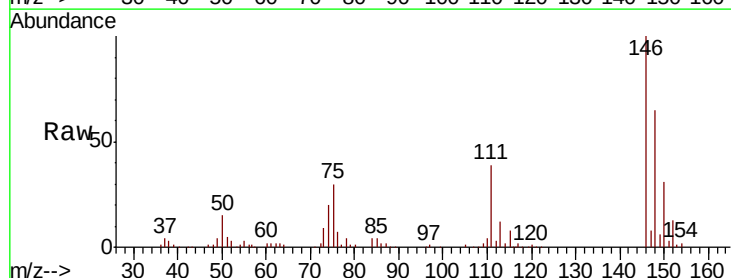
Manual Integrations
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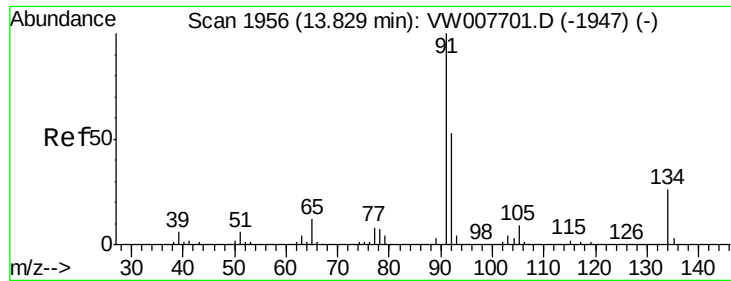
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#88
 1,4-Dichlorobenzene
 Concen: 20.102 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.0	63.0
148	64.3	31.8	95.4





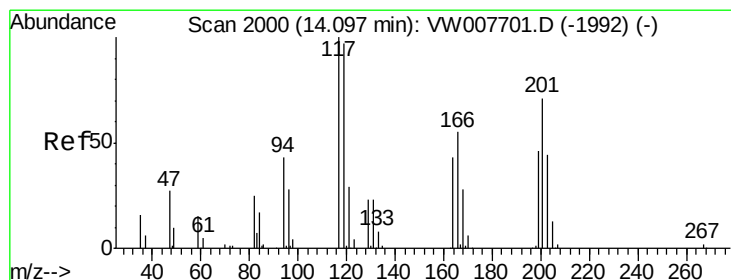
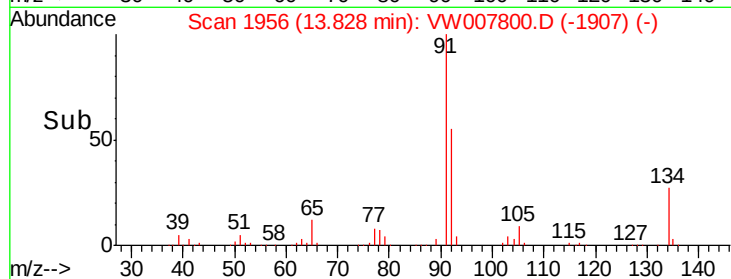
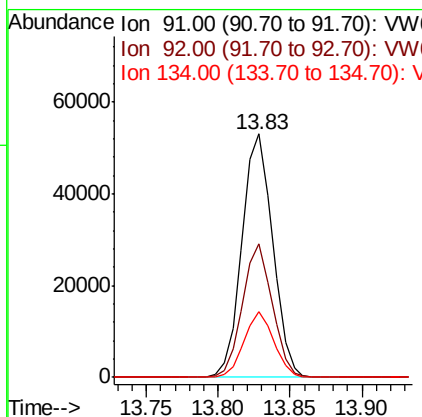
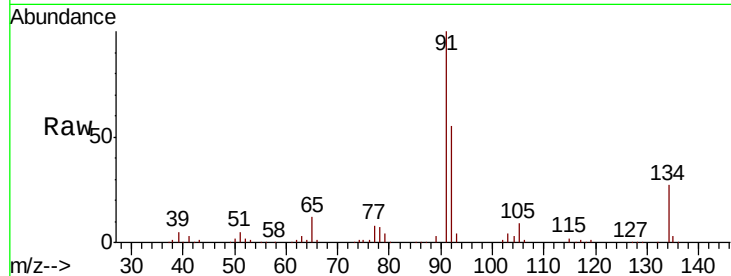
#89
n-Butylbenzene
Concen: 20.171 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.2
134	26.2	13.7	41.0

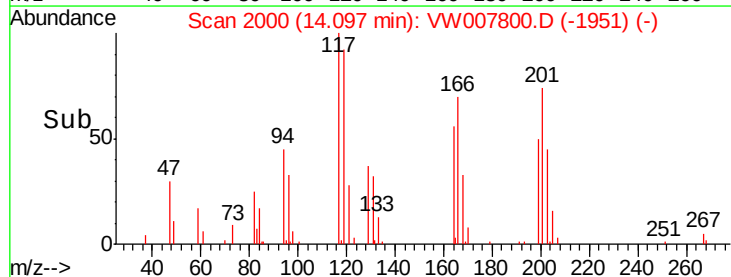
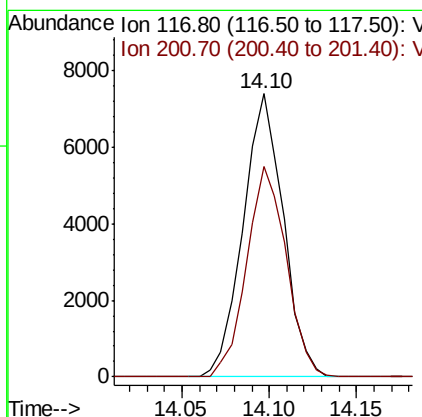
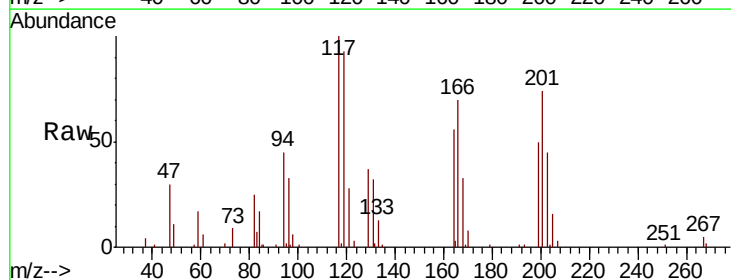
Manual Integrations
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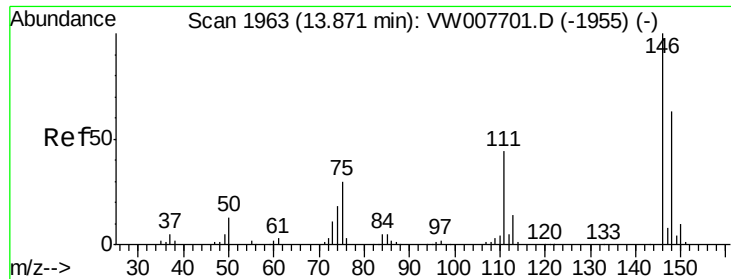
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#90
Hexachloroethane
Concen: 15.939 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.5	36.2	108.6





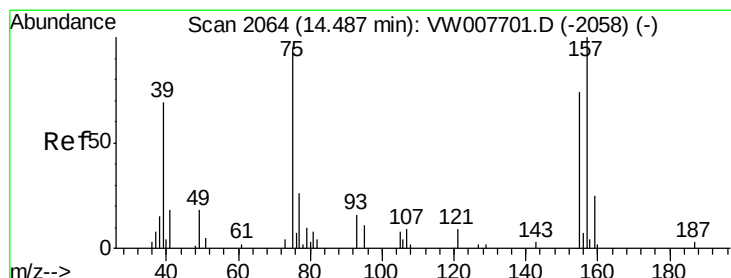
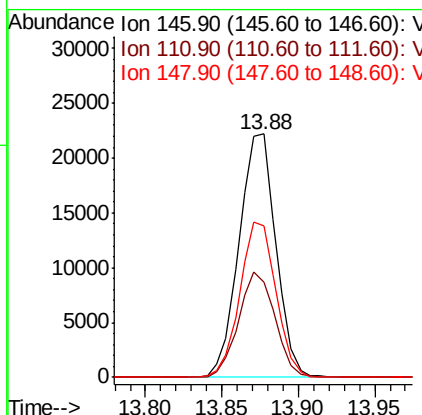
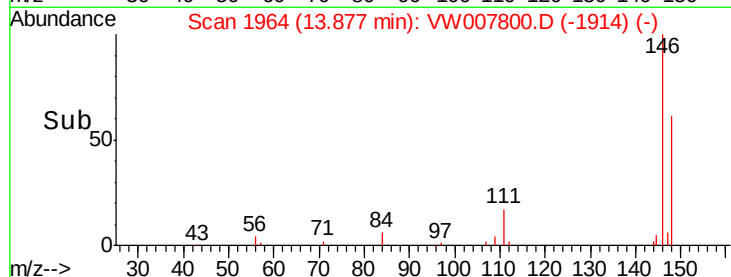
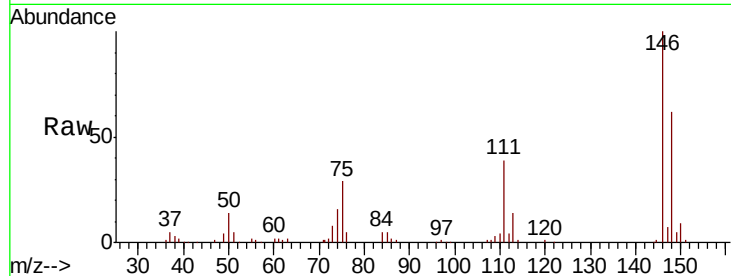
#91
 1,2-Dichlorobenzene
 Concen: 20.350 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1223SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.7	65.1
148	62.6	32.1	96.5

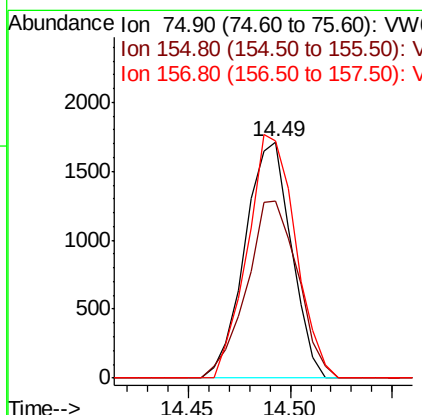
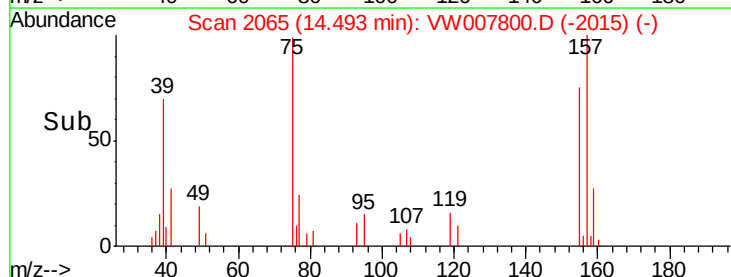
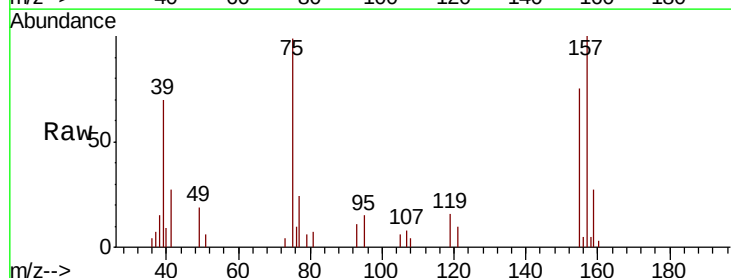
Manual Integrations
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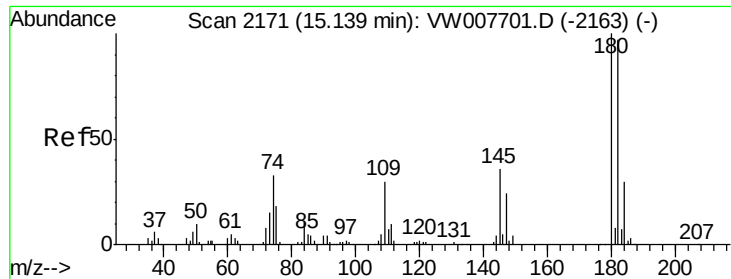
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 12/26/2018 10:58:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.648 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.01 min
 Lab File: VW007800.D
 Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.7	39.4	118.1
157	107.0	52.0	156.0





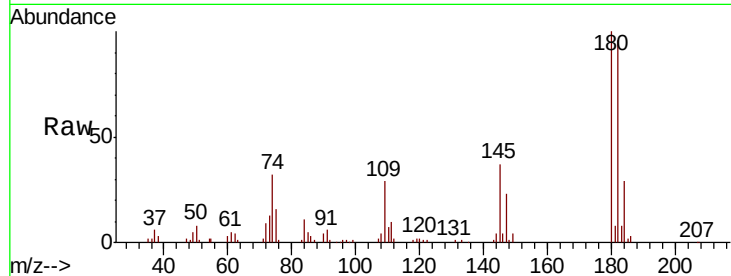
#93
1,2,4-Trichlorobenzene
Concen: 20.692 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Instrument :
MSVOA_W
ClientSampleId :
VW1223SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.5	142.6
145	34.8	17.5	52.5

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12/26/2018 10:58:56 AM

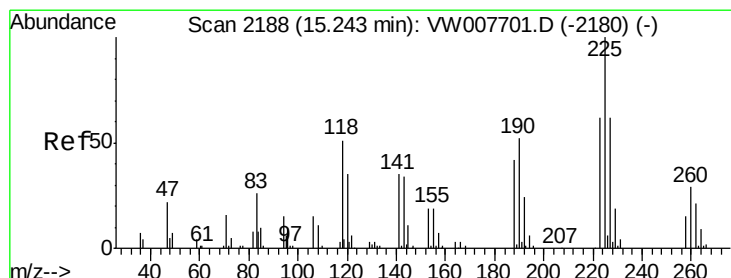
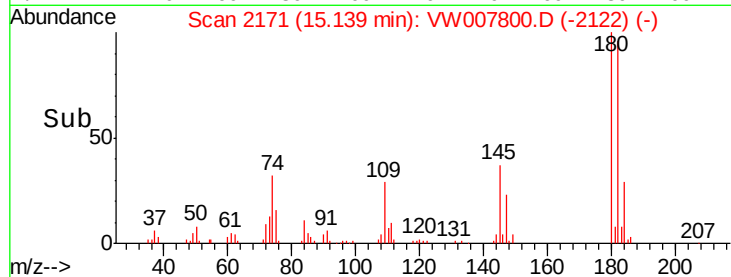
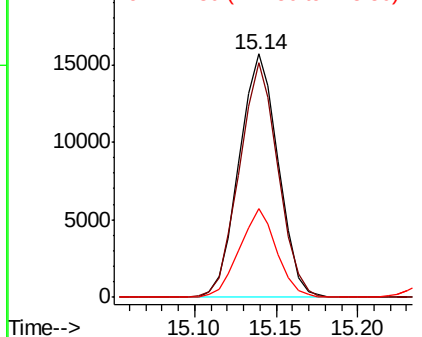


Abundance

Ion 179.80 (179.50 to 180.50): V

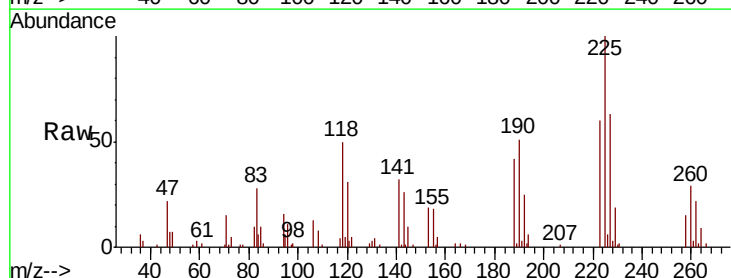
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 20.059 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. -0.00 min
Lab File: VW007800.D
Acq: 21 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.6	94.8
227	63.8	32.1	96.3

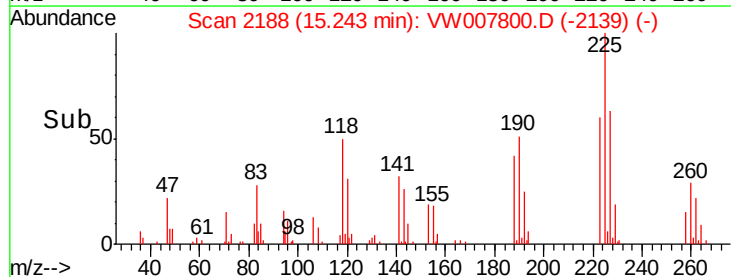
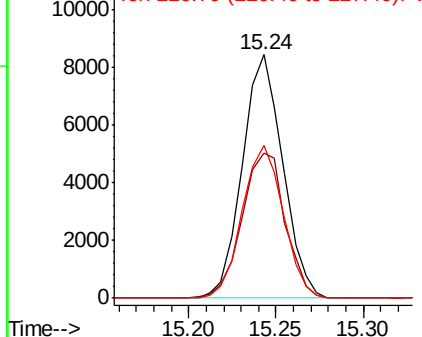


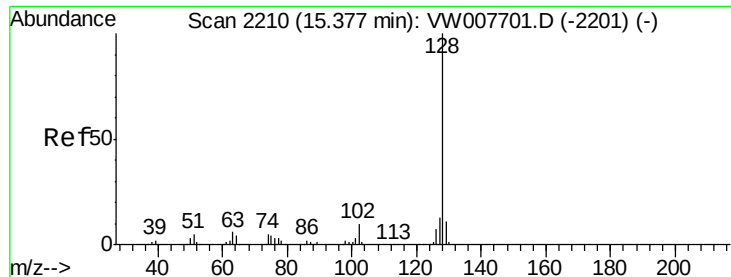
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.269 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Instrument :

MSVOA_W

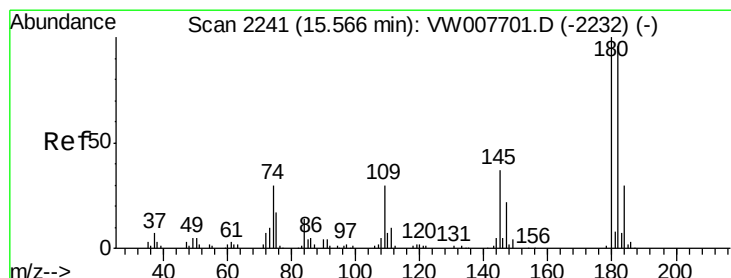
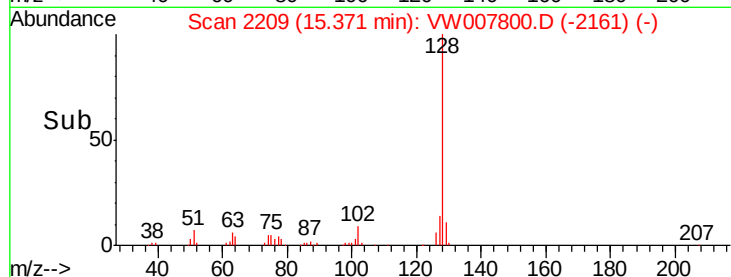
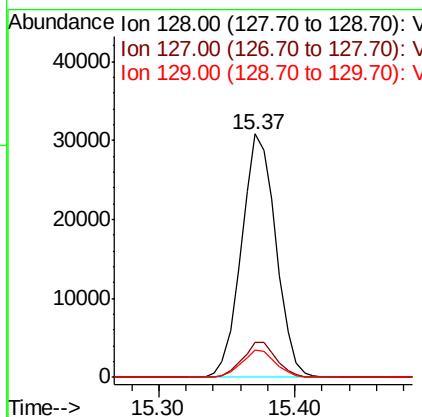
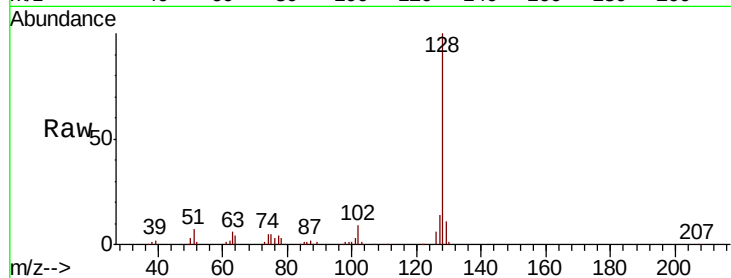
ClientSampleId :

VW1223SBS01

Tot Ion:	128	Resp:	54397
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.7	16.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:58:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.990 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007800.D

Acq: 21 Dec 2018 17:38

Tgt Ion:	180	Resp:	22719
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.2
145	37.1	18.4	55.0

