

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070419\
 Data File : VW011142.D
 Acq On : 03 Jul 2019 16:18
 Operator : SY/VA
 Sample : VW0704SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 9:41:43 AM

Quant Time: Jul 04 04:12:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	364897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324351	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	133364	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
35) Dibromofluoromethane	7.88	113	104305	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	10.32	98	431794	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	12.62	95	156302	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35257	20.865	ug/l	95
3) Chloromethane	2.21	50	44149	19.490	ug/l	99
4) Vinyl Chloride	2.35	62	57663	19.551	ug/l	98
5) Bromomethane	2.76	94	28085	19.130	ug/l	94
6) Chloroethane	2.92	64	29722	19.114	ug/l	95
7) Trichlorofluoromethane	3.25	101	18500	21.345	ug/l	91
8) Diethyl Ether	3.68	74	26557	19.347	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	47721	19.577	ug/l	98
10) Methyl Iodide	4.27	142	61864	18.139	ug/l	100
11) Tert butyl alcohol	5.17	59	17710	83.217	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	47953	18.899	ug/l	94
13) Acrolein	3.89	56	14605	88.005	ug/l	94
14) Allyl chloride	4.66	41	84024	20.575	ug/l	100
15) Acrylonitrile	5.36	53	64985	96.138	ug/l	100
16) Acetone	4.12	43	65168	91.111	ug/l	98
17) Carbon Disulfide	4.38	76	132334	18.384	ug/l	100
18) Methyl Acetate	4.67	43	38877	20.983	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	70736	19.697	ug/l	97
20) Methylene Chloride	4.92	84	54546	18.770	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	49195	18.816	ug/l	97
22) Diisopropyl ether	6.31	45	190859	19.421	ug/l	100
23) Vinyl Acetate	6.25	43	556996	91.987	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98772	19.041	ug/l	99
25) 2-Butanone	7.17	43	97308	89.502	ug/l	97
26) 2,2-Dichloropropane	7.17	77	49081	18.223	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	53516	19.010	ug/l	98
28) Bromochloromethane	7.51	49	47552	19.692	ug/l	99
29) Tetrahydrofuran	7.52	42	64236	94.911	ug/l	99
30) Chloroform	7.67	83	91294	19.372	ug/l	99
31) Cyclohexane	7.95	56	105660	18.851	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	68071	19.330	ug/l	100
36) 1,1-Dichloropropene	8.08	75	76954	19.621	ug/l	100
37) Ethyl Acetate	7.25	43	44252	19.395	ug/l	98
38) Carbon Tetrachloride	8.06	117	62129	19.236	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	93941	19.463	ug/l	99
40) Benzene	8.32	78	213486	19.791	ug/l	98
41) Methacrylonitrile	7.48	41	22462	16.181	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	68660	19.412	ug/l	100
43) Isopropyl Acetate	8.42	43	80041	18.544	ug/l	99
44) Trichloroethene	9.09	130	50781	19.479	ug/l	97
45) 1,2-Dichloropropane	9.37	63	56929	19.434	ug/l	97
46) Dibromomethane	9.46	93	26269	19.174	ug/l	99
47) Bromodichloromethane	9.64	83	64288	18.953	ug/l	98
48) Methyl methacrylate	9.43	41	39370	18.812	ug/l	98
49) 1,4-Dioxane	9.44	88	8430	365.965	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	212234	93.413	ug/l	99
52) Toluene	10.38	92	128205	19.413	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	66665	18.869	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	79919	18.963	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37558	19.404	ug/l	98
56) Ethyl methacrylate	10.65	69	54582	18.832	ug/l	99
57) 1,3-Dichloropropane	10.93	76	71138	19.321	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	144650	98.636	ug/l	99
59) 2-Hexanone	10.97	43	149792	94.541	ug/l	99
60) Dibromochloromethane	11.13	129	37575	18.512	ug/l	100
61) 1,2-Dibromoethane	11.23	107	34184	18.865	ug/l	100
64) Tetrachloroethene	10.86	164	42895	19.217	ug/l	97
65) Chlorobenzene	11.66	112	128411	19.341	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	43438	19.270	ug/l	99
67) Ethyl Benzene	11.73	91	247944	19.498	ug/l	100
68) m/p-Xylenes	11.84	106	179693	38.942	ug/l	100
69) o-Xylene	12.16	106	83487	19.425	ug/l	99
70) Styrene	12.18	104	145248	19.448	ug/l	100
71) Bromoform	12.35	173	20674	18.813	ug/l #	98
73) Isopropylbenzene	12.46	105	232387	19.245	ug/l	100
74) N-amyl acetate	12.27	43	75400	18.593	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45438	19.163	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31848m	18.716	ug/l	
77) Bromobenzene	12.75	156	51227	19.301	ug/l	99
78) n-propylbenzene	12.80	91	289218	19.342	ug/l	100
79) 2-Chlorotoluene	12.89	91	164627	19.271	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	198305	19.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12687	18.664	ug/l	95
82) 4-Chlorotoluene	12.99	91	171445	19.258	ug/l	100
83) tert-Butylbenzene	13.21	119	165053	19.340	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	198969	19.234	ug/l	99
85) sec-Butylbenzene	13.38	105	238982	19.276	ug/l	99
86) p-Isopropyltoluene	13.50	119	216637	19.418	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	101264	19.288	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	101308	19.331	ug/l	99
89) n-Butylbenzene	13.82	91	217979	19.223	ug/l	99
90) Hexachloroethane	14.09	117	35080	18.377	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	91078	19.315	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7358	18.259	ug/l	99

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ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Jun 28 01:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	64953	19.578	ug/l	99
94) Hexachlorobutadiene	15.24	225	38537	19.152	ug/l	99
95) Naphthalene	15.37	128	113855	18.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	56016	18.909	ug/l	99

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

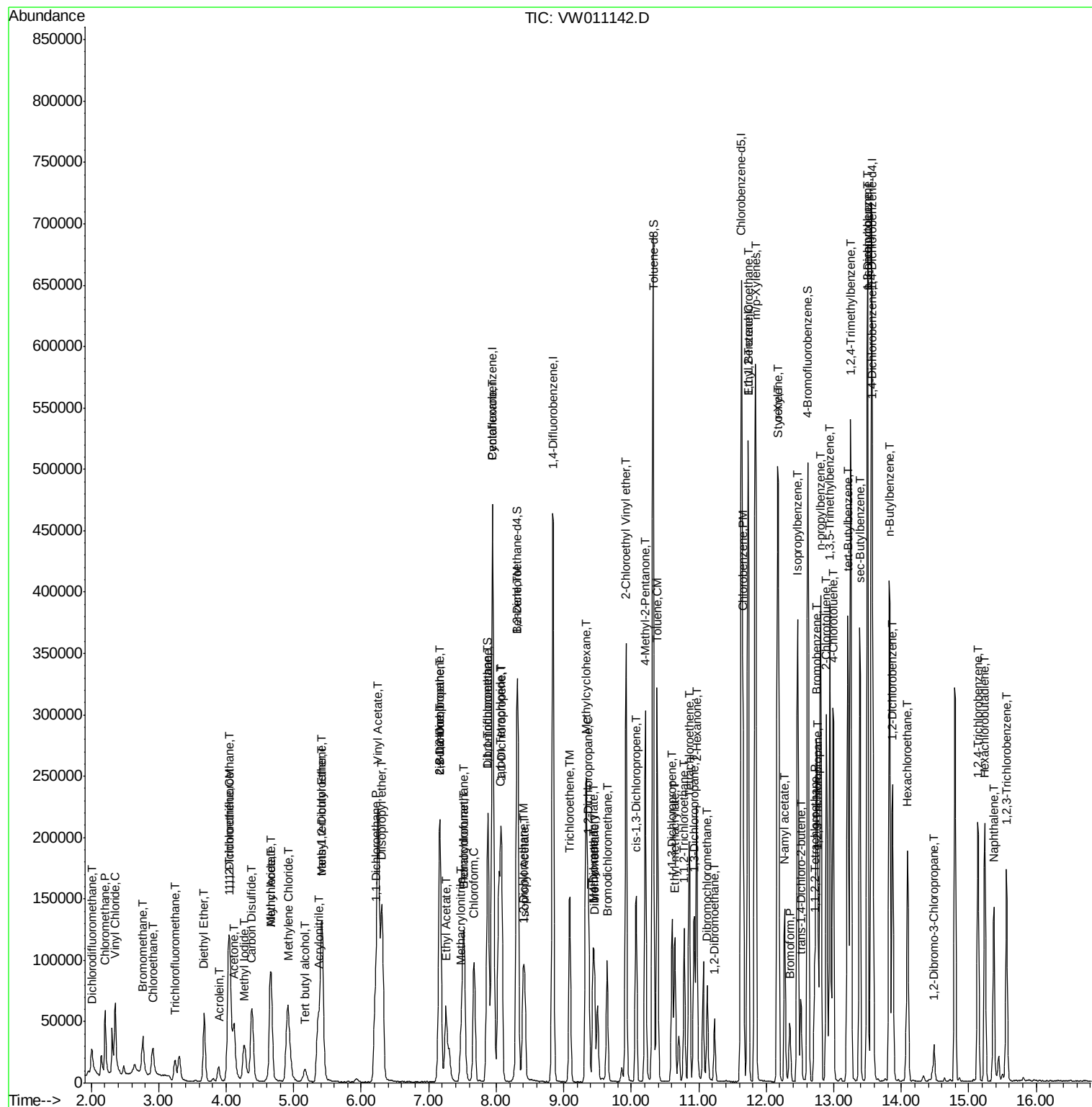
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070419\
Data File : VW011142.D
Acq On : 03 Jul 2019 16:18
Operator : SY/VA
Sample : VW0704SBSD01
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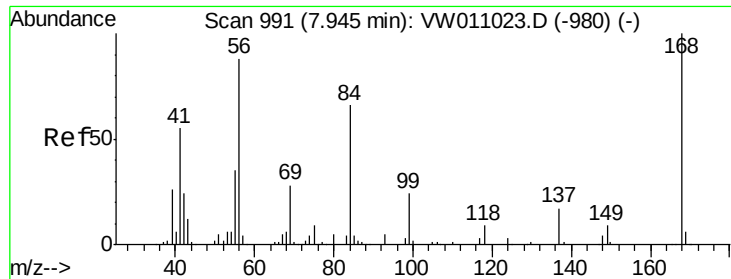
Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBSD01

Tot Ion:168 Resp: 224151

Ion Ratio Lower Upper

168 100

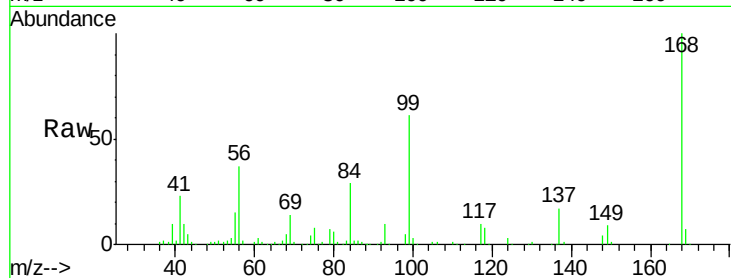
99 61.2 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

120000

100000

80000

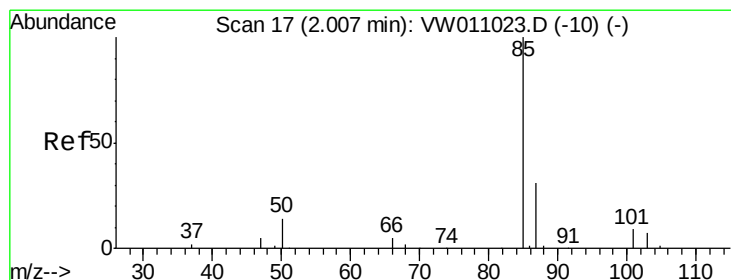
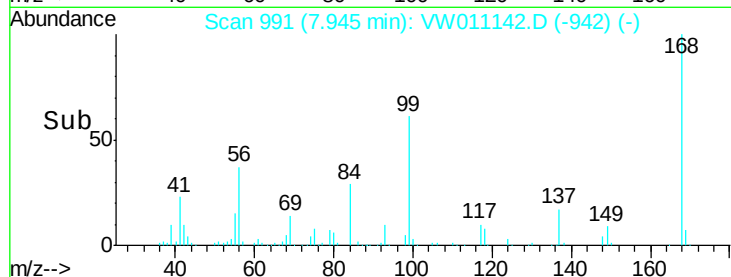
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.865 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011142.D

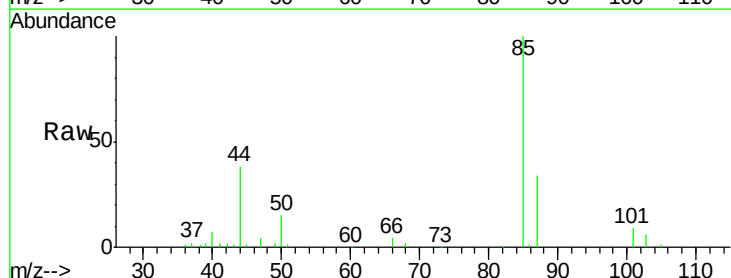
Acq: 03 Jul 2019 16:18

Tgt Ion: 85 Resp: 35257

Ion Ratio Lower Upper

85 100

87 33.8 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

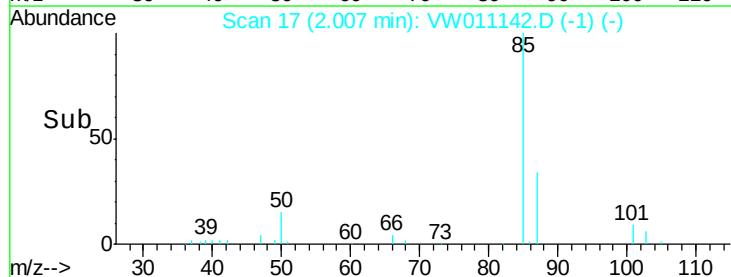
Ion 86.90 (86.60 to 87.60): VW

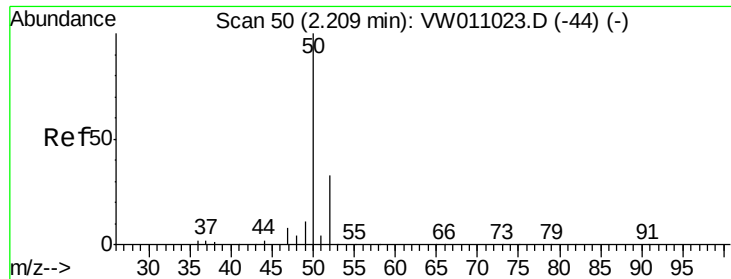
10000

5000

0

Time--> 1.90 2.00 2.10 2.20





#3

Chloromethane

Concen: 19.490 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampled :

VW0704SBSD01

Tot Ion: 50 Resp: 44149

Ion Ratio Lower Upper

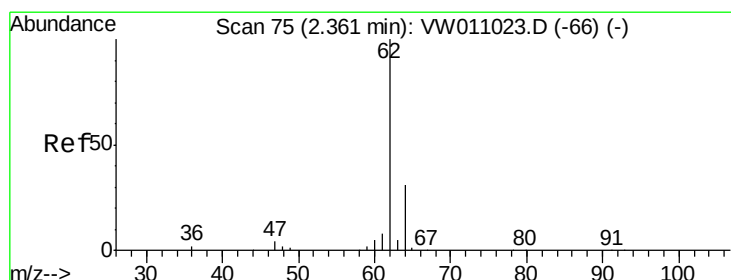
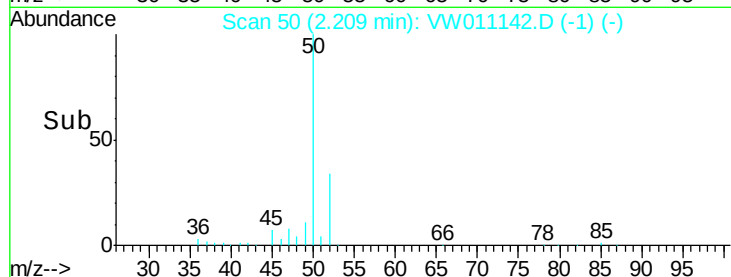
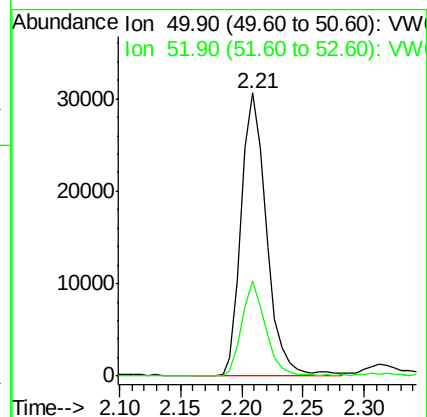
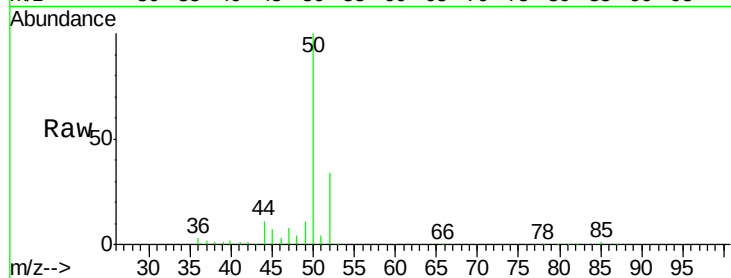
50 100

52 33.6 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.551 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011142.D

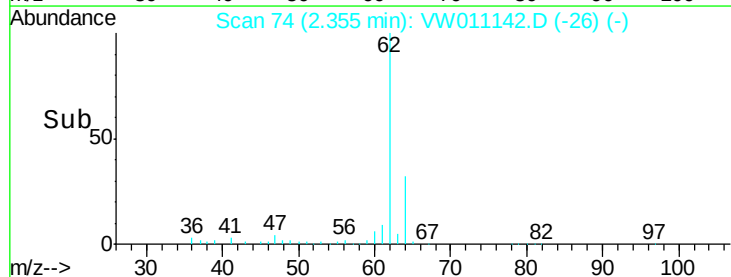
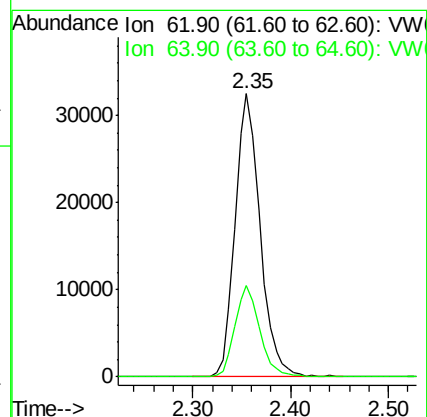
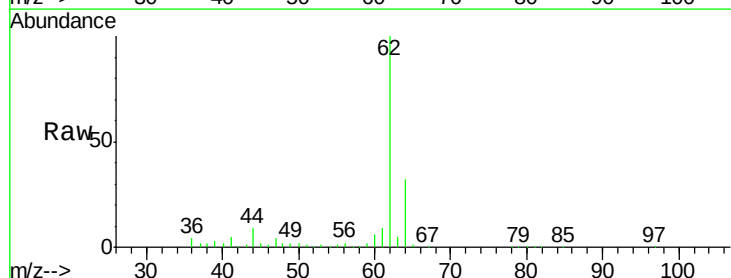
Acq: 03 Jul 2019 16:18

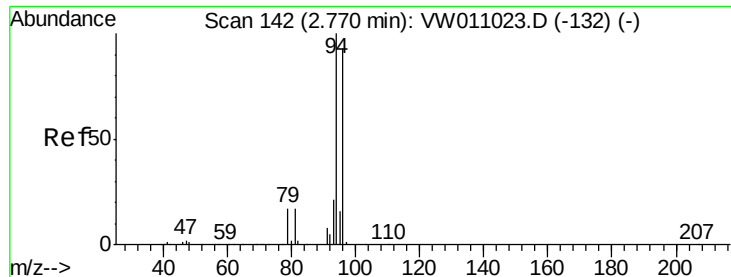
Tgt Ion: 62 Resp: 57663

Ion Ratio Lower Upper

62 100

64 32.2 24.8 37.2





#5

Bromomethane

Concen: 19.130 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBSD01

Tot Ion: 94 Resp: 28085

Ion Ratio Lower Upper

94 100

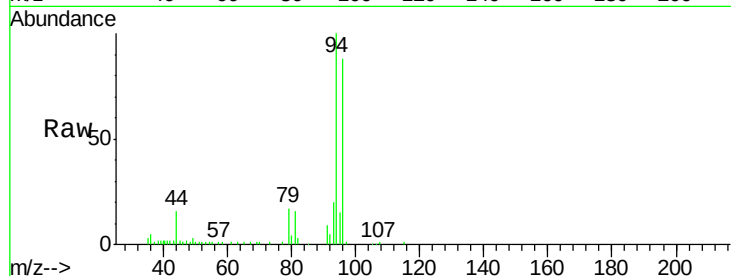
96 87.3 74.2 111.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.76

12000

10000

8000

6000

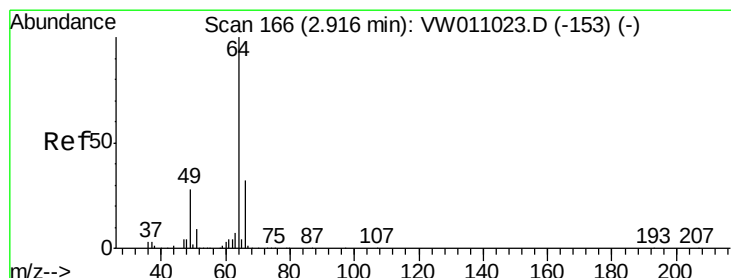
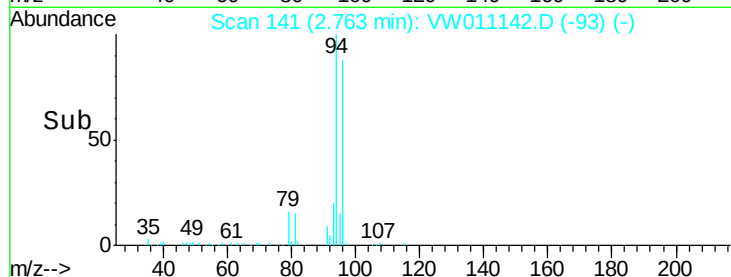
4000

2000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 19.114 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011142.D

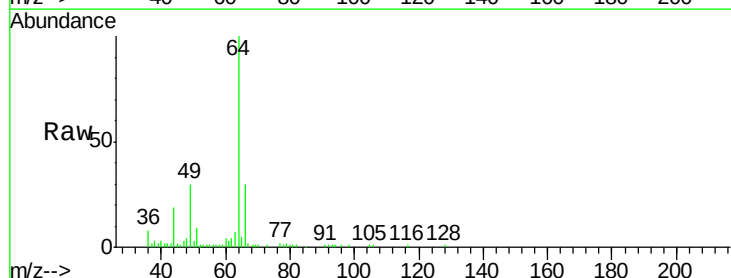
Acq: 03 Jul 2019 16:18

Tgt Ion: 64 Resp: 29722

Ion Ratio Lower Upper

64 100

66 29.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

12000

10000

8000

6000

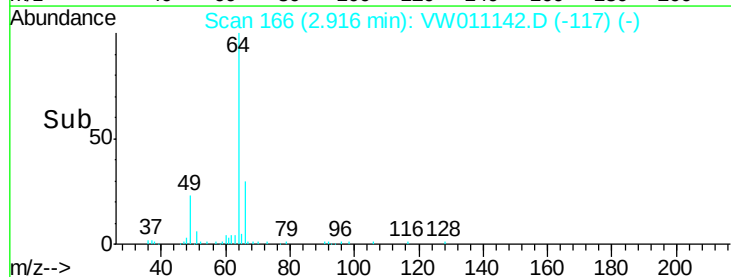
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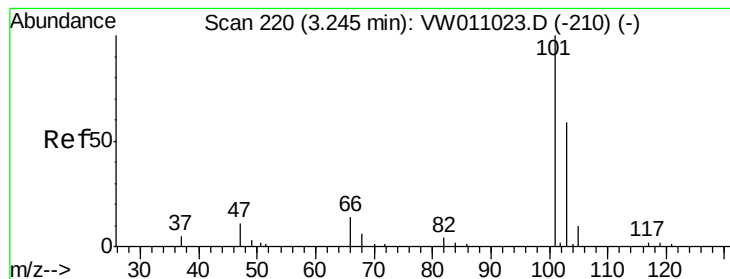
2000

0

Time-->

2.80 2.90 3.00





#7

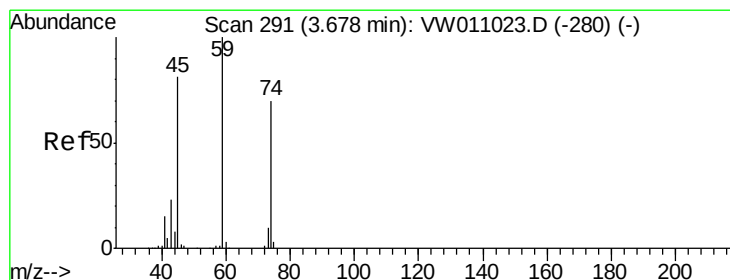
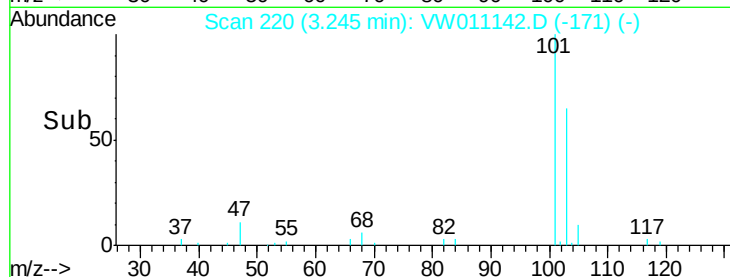
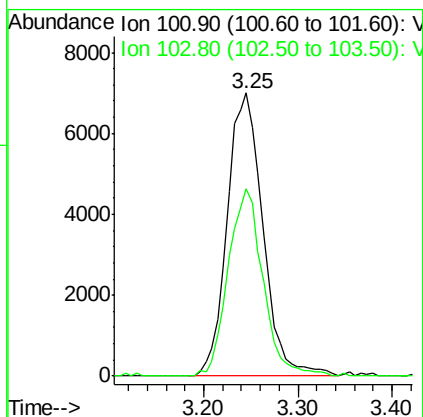
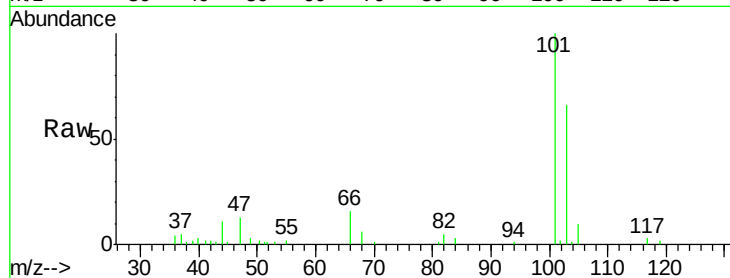
Trichlorofluoromethane
Concen: 21.345 ug/l
RT: 3.25 min Scan# 220
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	47.5	71.3

Manual Integrations
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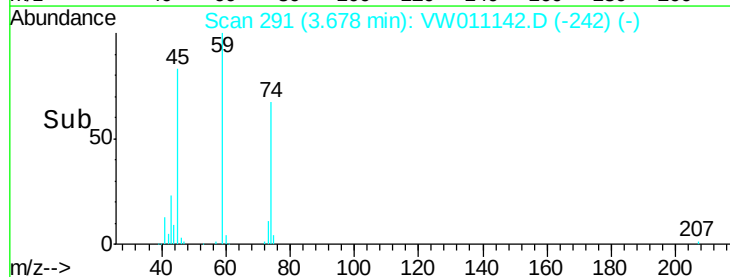
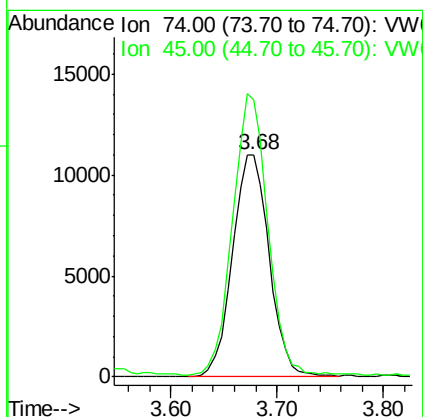
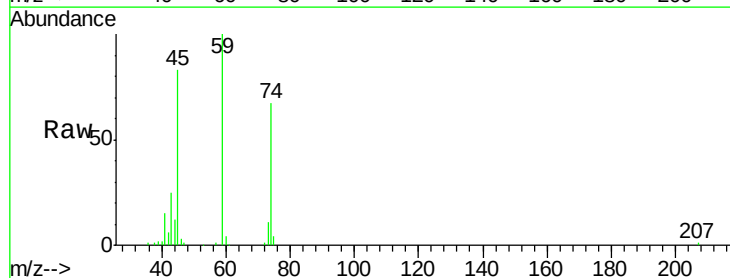
MMDadoda
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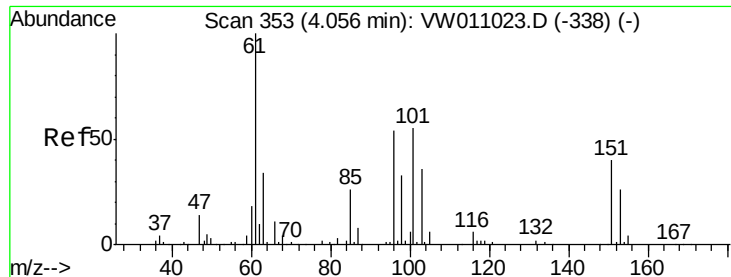


#8

Diethyl Ether
Concen: 19.347 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.7	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.577 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW011142.D

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Instrument :

MSVOA_W

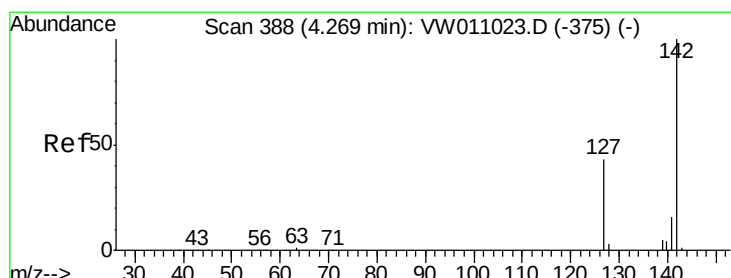
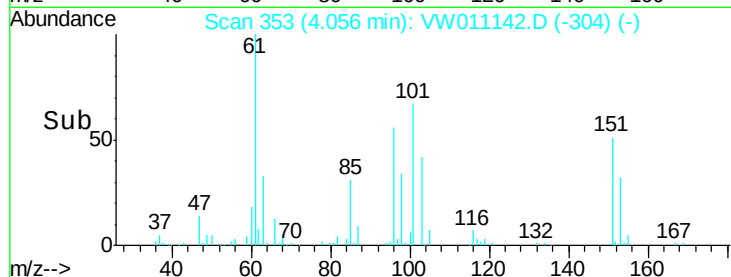
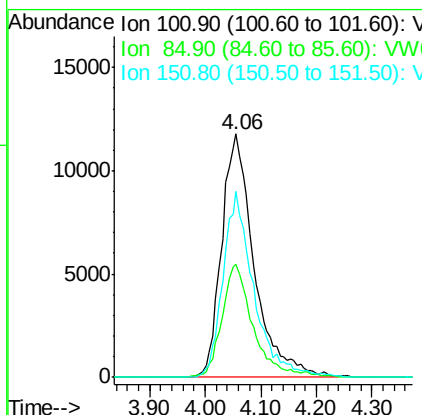
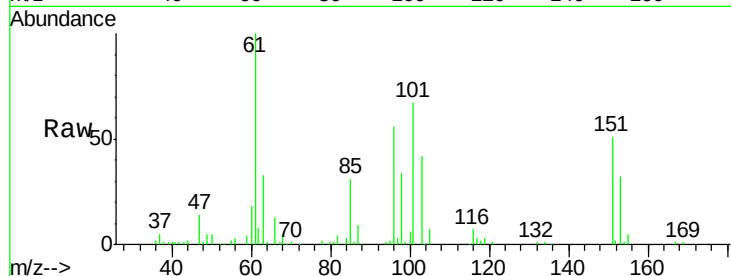
ClientSampleId :

VW0704SBSD01

Tot Ion:	101	Resp:	47721
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.6	55.0
151	72.3	58.9	88.3

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#10

Methyl Iodide

Concen: 18.139 ug/l

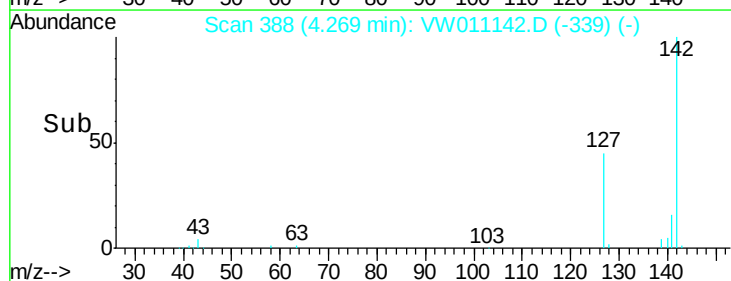
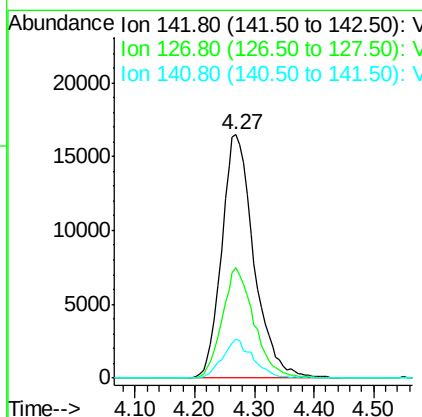
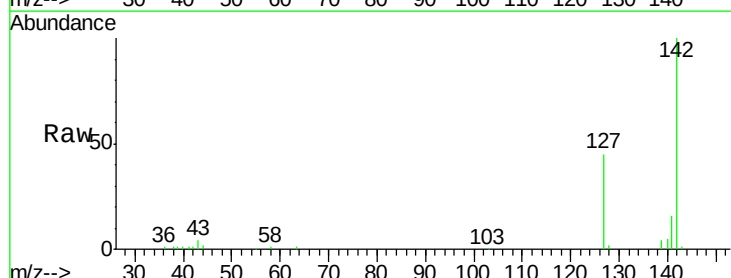
RT: 4.27 min Scan# 388

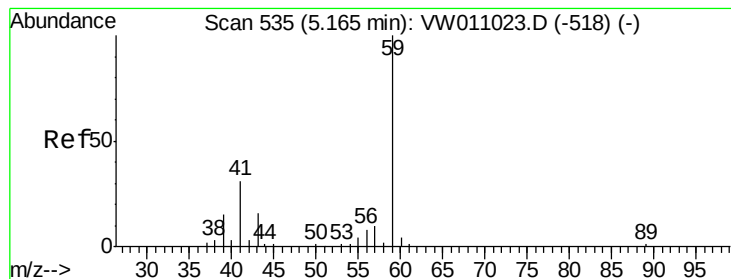
Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion:	142	Resp:	61864
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.8	53.8
141	15.1	12.2	18.2





#11

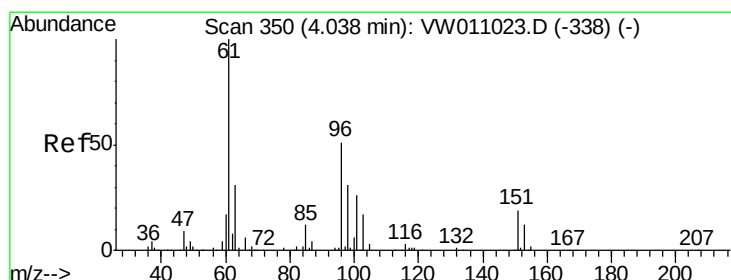
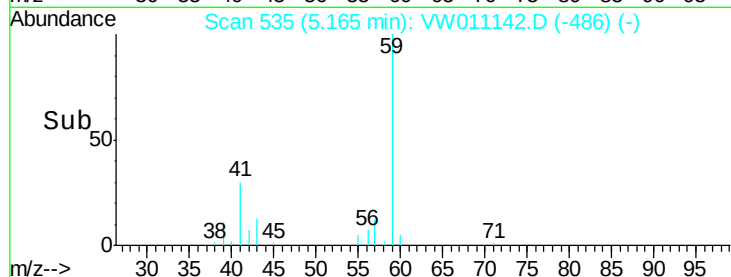
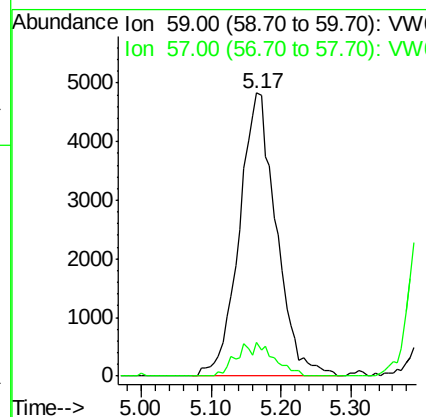
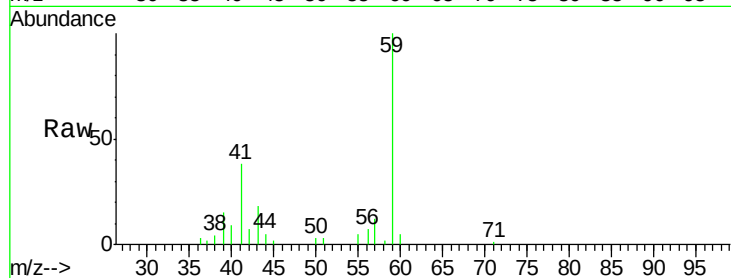
Tert butyl alcohol
 Concen: 83.217 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	9.0	13.4#

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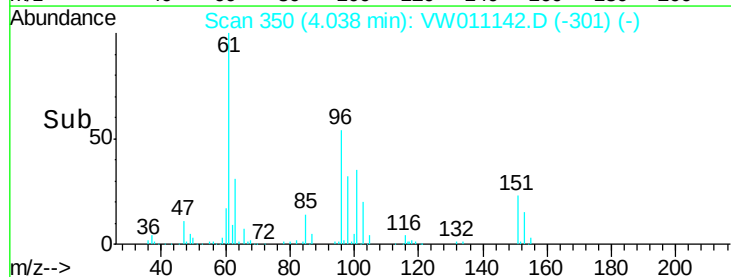
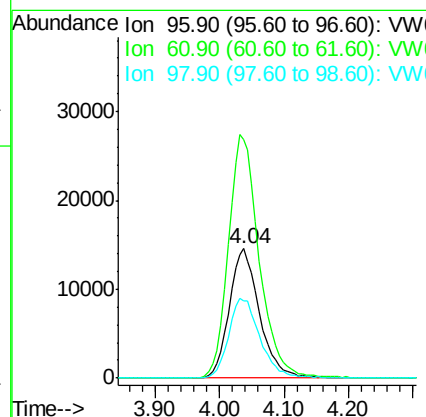
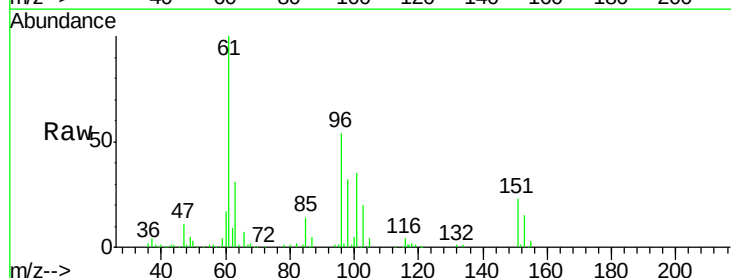
MMDadoda
 7/8/2019 9:41:43 AM

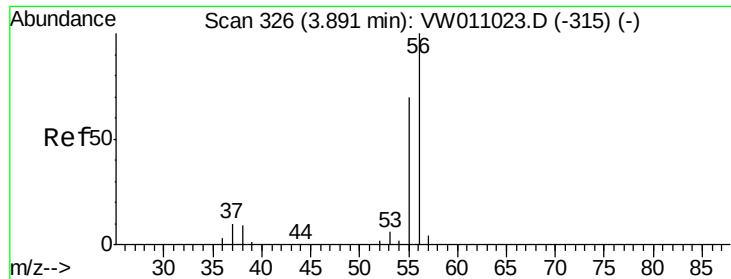


#12

1,1-Dichloroethene
 Concen: 18.899 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.4	156.0	234.0
98	59.7	48.7	73.1





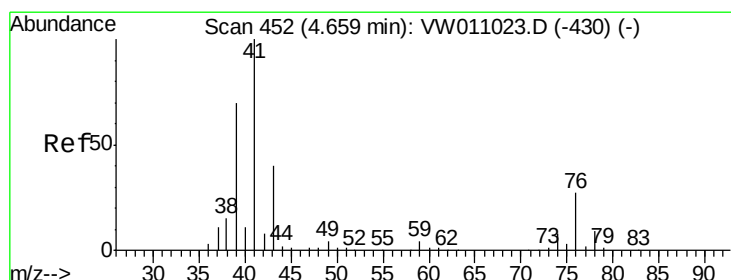
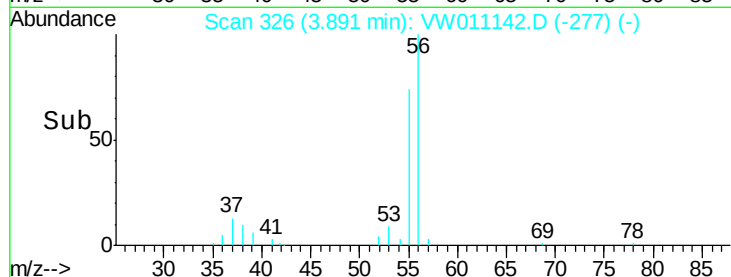
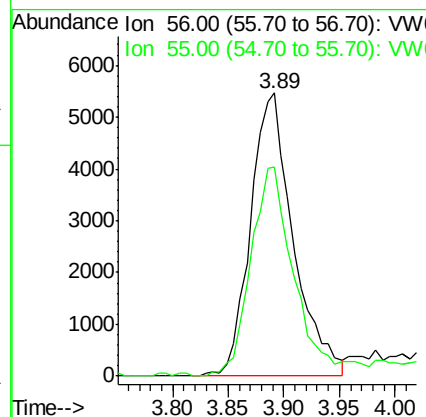
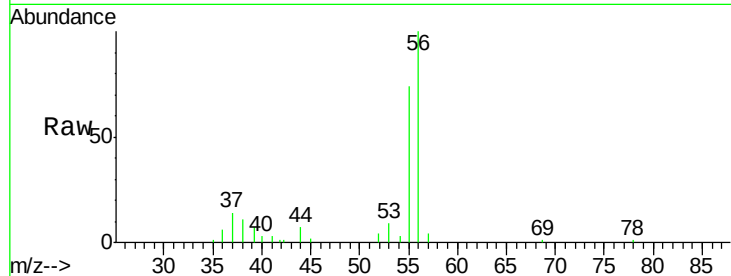
#13
Acrolein
Concen: 88.005 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion: 56 Resp: 14605
Ion Ratio Lower Upper
56 100
55 74.4 55.7 83.5

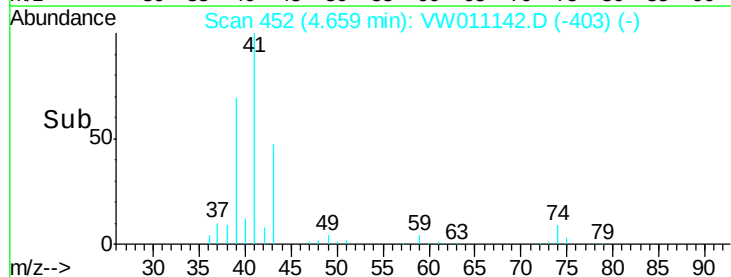
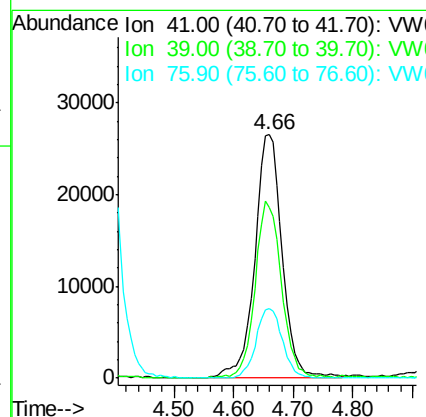
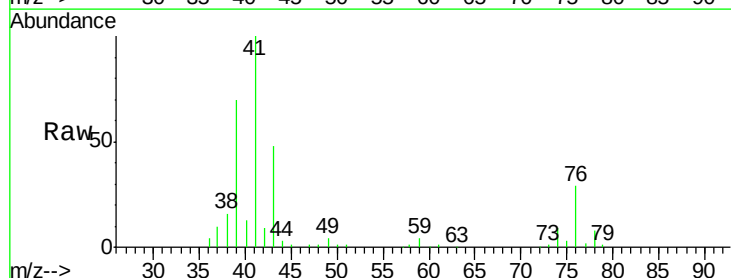
Manual Integrations
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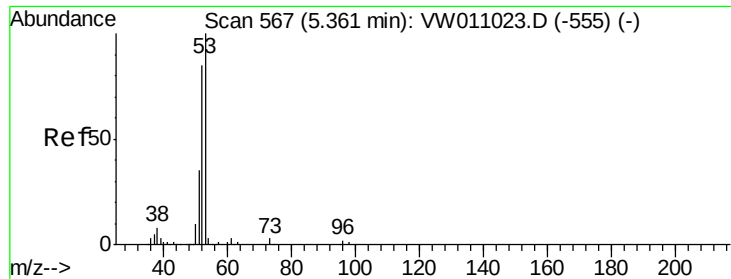
MMDadoda
7/8/2019 9:41:43 AM



#14
Allyl chloride
Concen: 20.575 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion: 41 Resp: 84024
Ion Ratio Lower Upper
41 100
39 69.6 55.4 83.2
76 27.8 22.0 33.0





#15

Acrylonitrile

Concen: 96.138 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

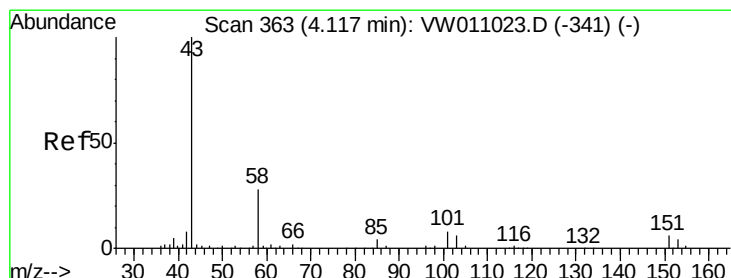
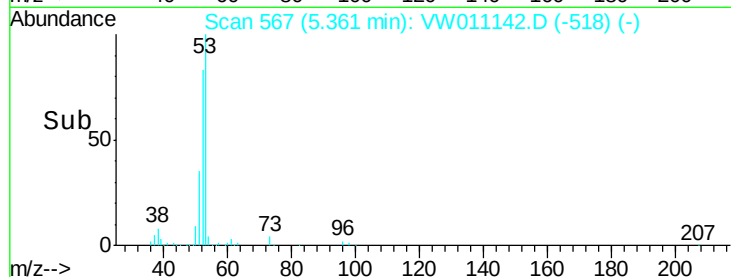
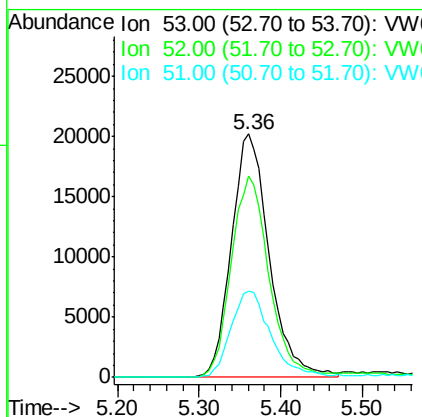
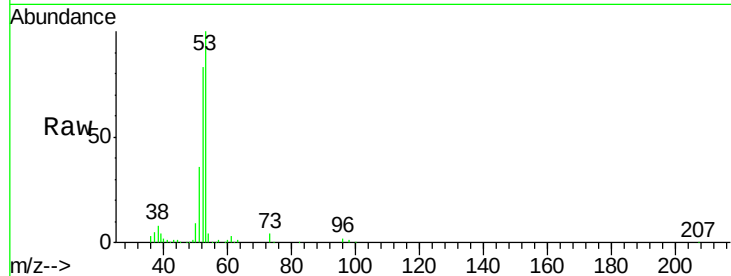
ClientSampleId :

VW0704SBSD01

Tot Ion:	53	Resp:	64985
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	37.2	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 91.111 ug/l

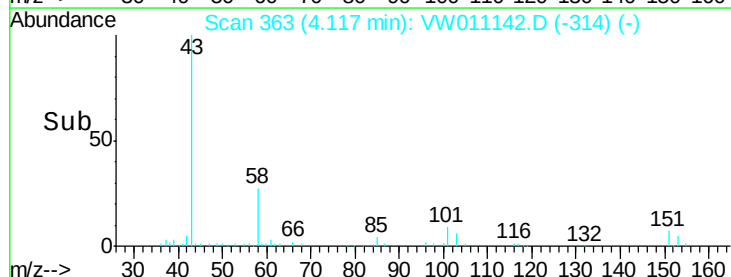
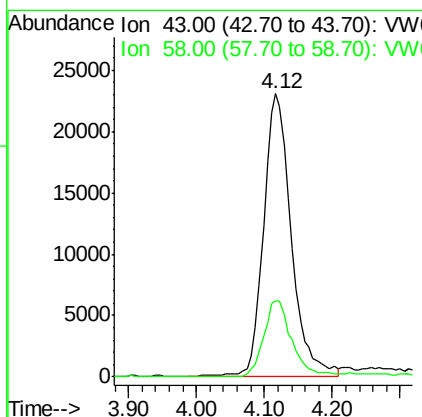
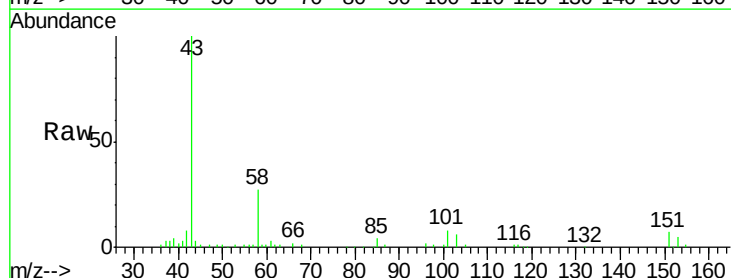
RT: 4.12 min Scan# 363

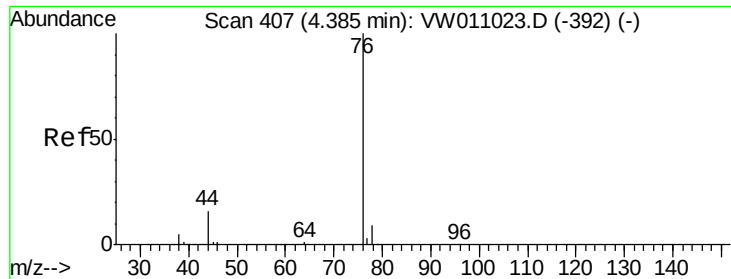
Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion:	43	Resp:	65168
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.5	33.7





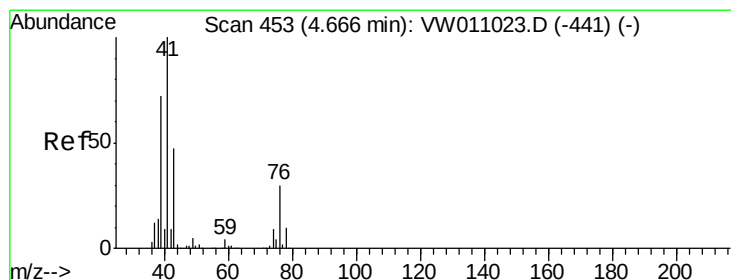
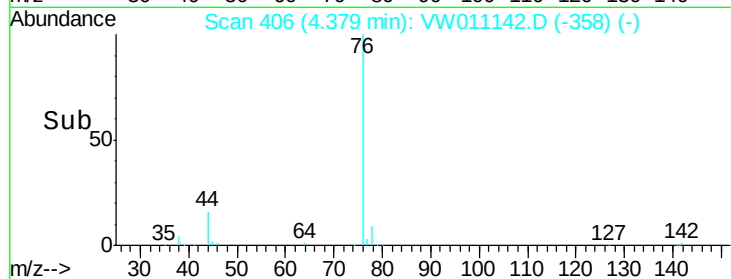
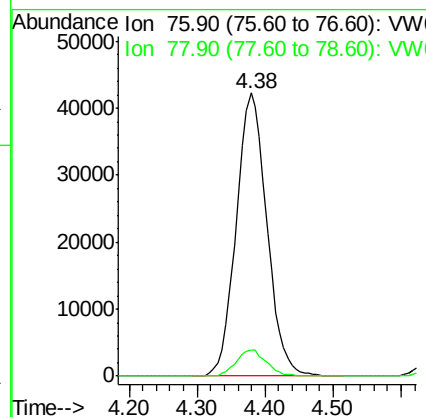
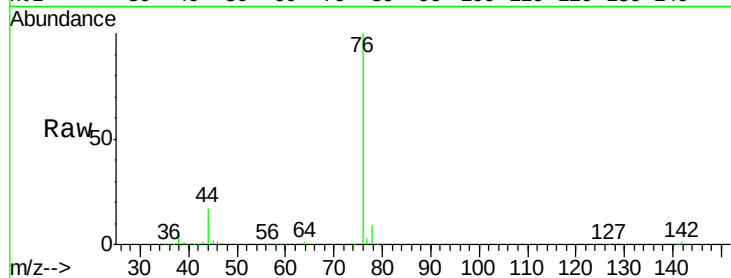
#17
Carbon Disulfide
Concen: 18.384 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

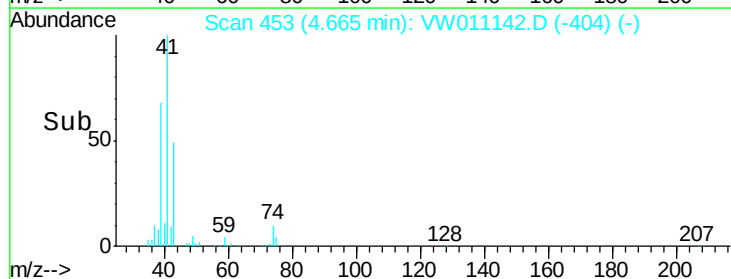
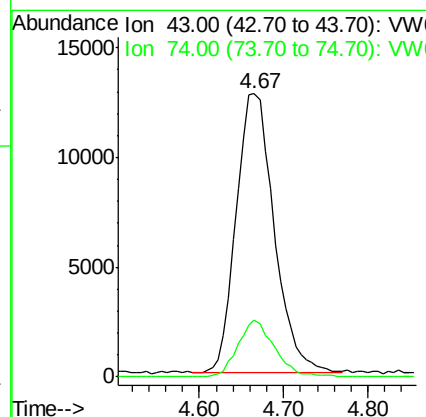
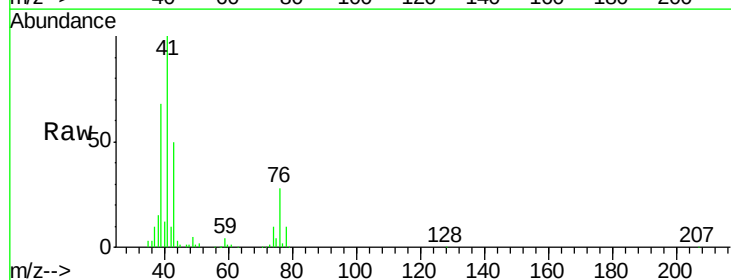
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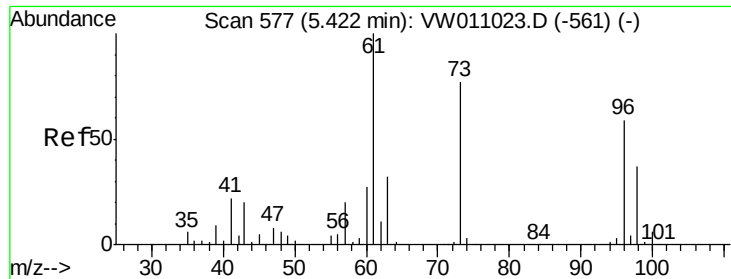
MMDadoda
7/8/2019 9:41:43 AM



#18
Methyl Acetate
Concen: 20.983 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	19.6	15.8	23.8





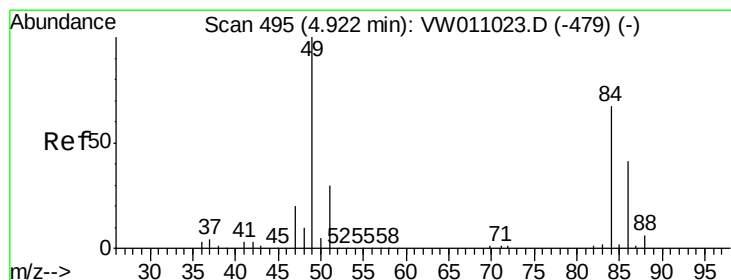
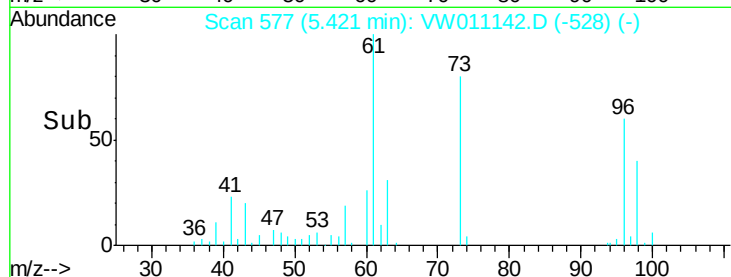
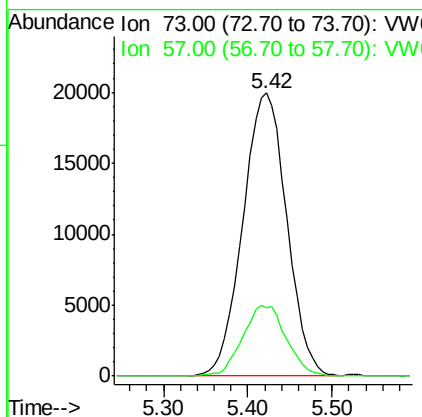
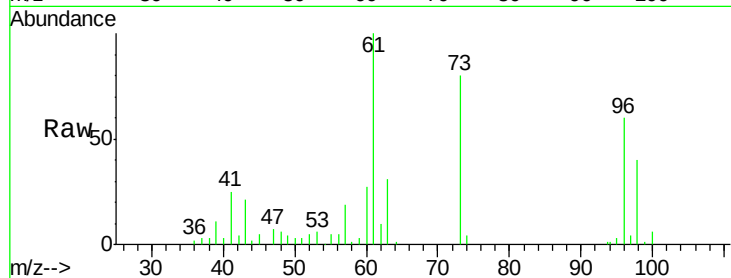
#19
Methyl tert-butyl Ether
Concen: 19.697 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampled :
VW0704SBS01

Tot Ion: 73 Resp: 70736
Ion Ratio Lower Upper
73 100
57 24.2 20.8 31.2

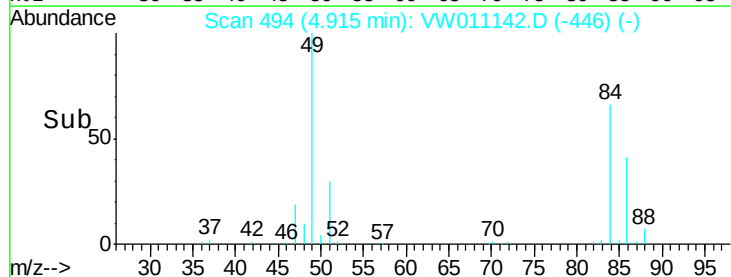
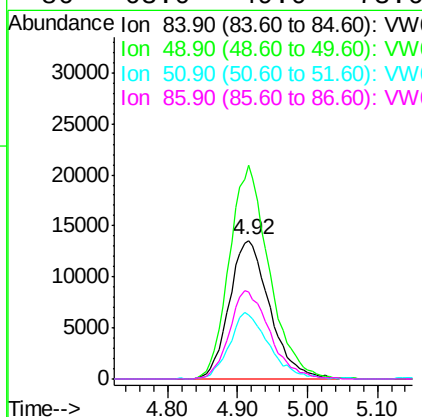
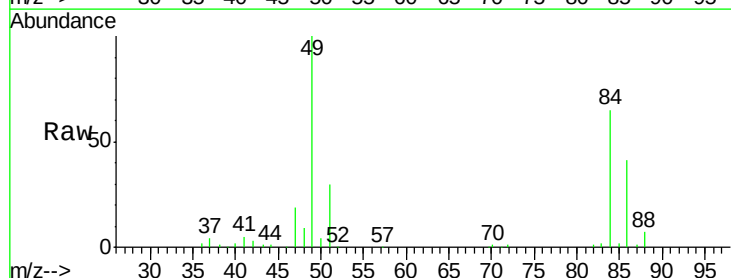
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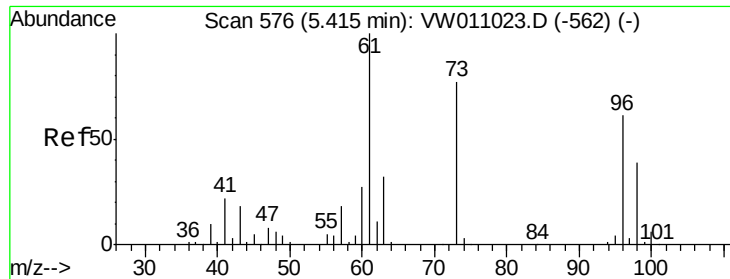
MMDadoda
7/8/2019 9:41:43 AM



#20
Methylene Chloride
Concen: 18.770 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion: 84 Resp: 54546
Ion Ratio Lower Upper
84 100
49 153.9 119.6 179.4
51 45.8 35.6 53.4
86 63.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 18.816 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBSD01

Tot Ion: 96 Resp: 49195

Ion Ratio Lower Upper

96 100

61 167.7 131.0 196.4

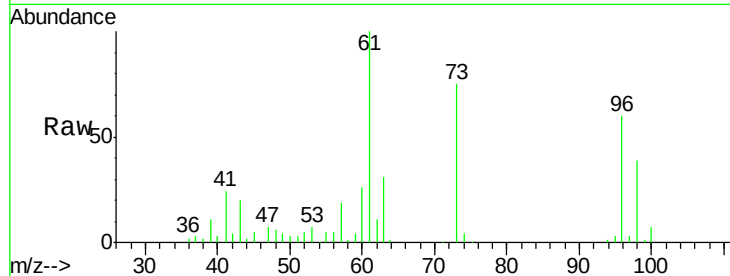
98 65.1 50.8 76.2

Manual Integrations

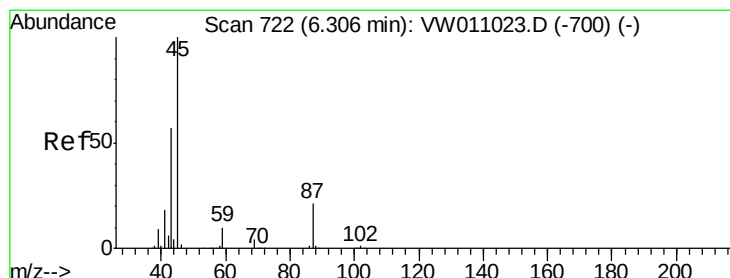
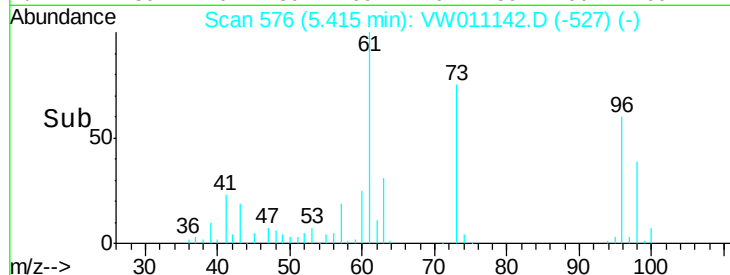
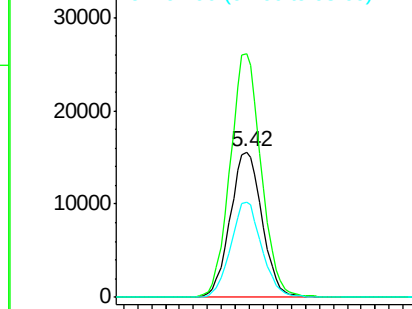
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.421 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion: 45 Resp: 190859

Ion Ratio Lower Upper

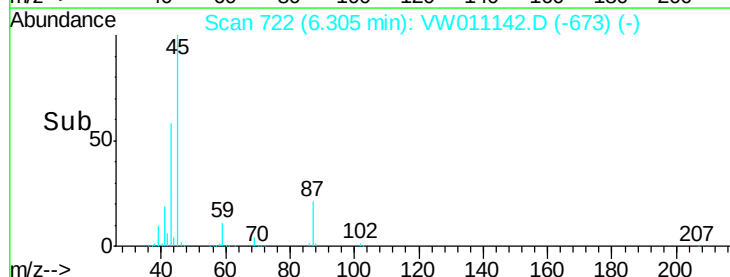
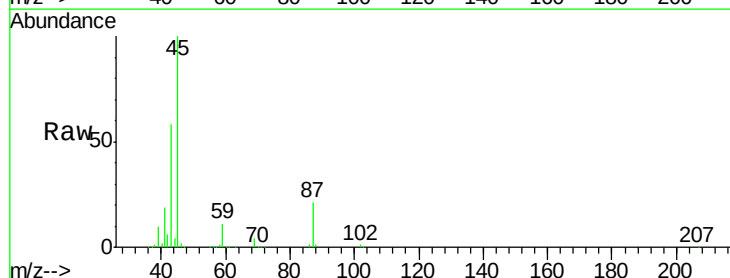
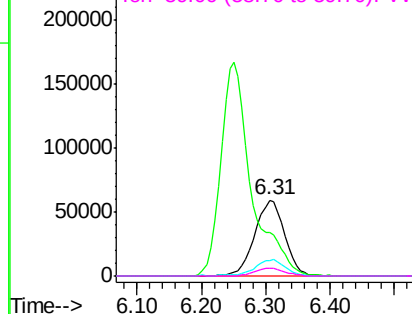
45 100

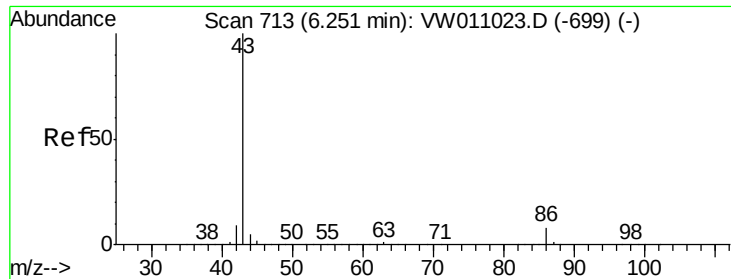
43 57.3 45.8 68.6

87 21.0 17.1 25.7

59 10.4 8.2 12.4

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





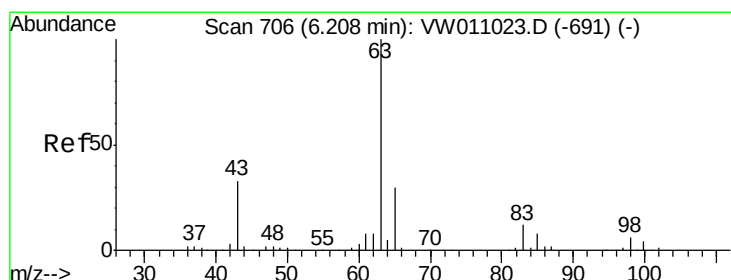
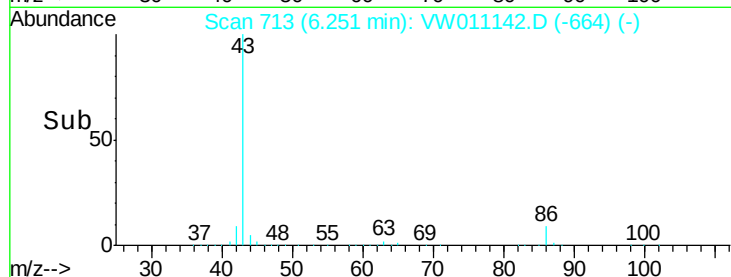
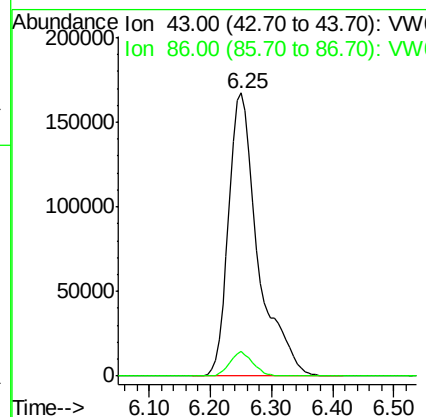
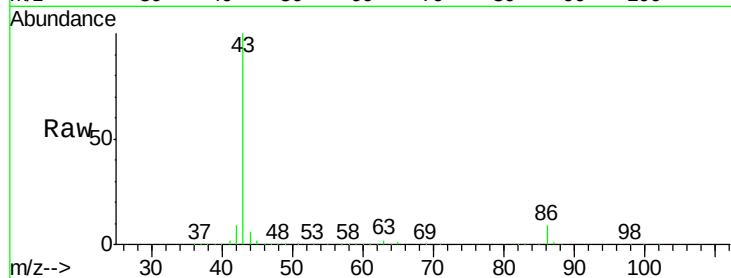
#23
 Vinyl Acetate
 Concen: 91.987 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Tot Ion	43	Resp	556996
Ion Ratio	100	Lower	Upper
43	100		
86	8.7	6.6	10.0

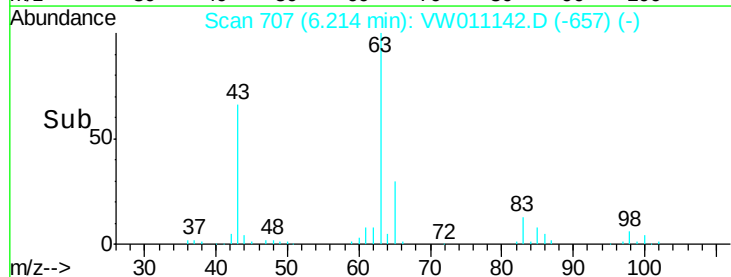
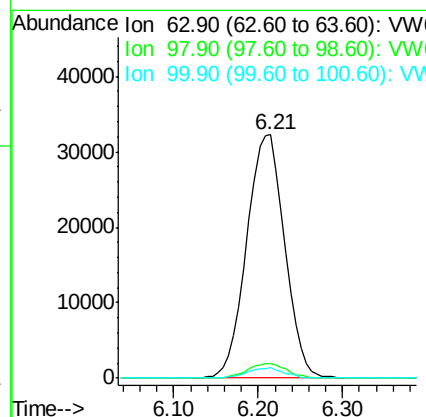
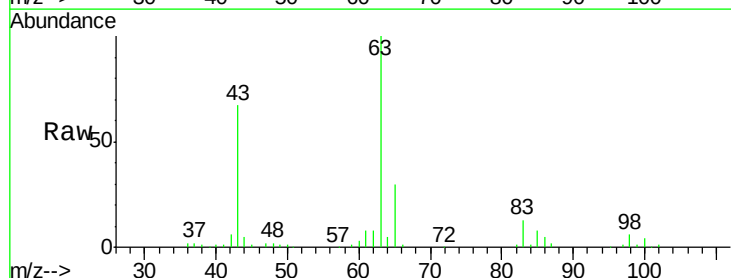
Manual Integrations
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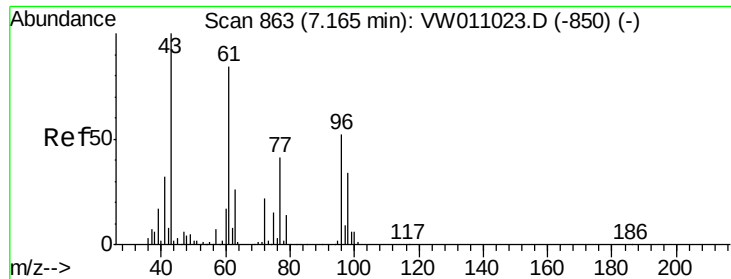
MMDadoda
 7/8/2019 9:41:43 AM



#24
 1,1-Dichloroethane
 Concen: 19.041 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. 0.01 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	63	Resp	98772
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	3.1	9.4
100	4.3	2.1	6.2





#25

2-Butanone

Concen: 89.502 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBSD01

Tot Ion: 43 Resp: 97308

Ion Ratio Lower Upper

43 100

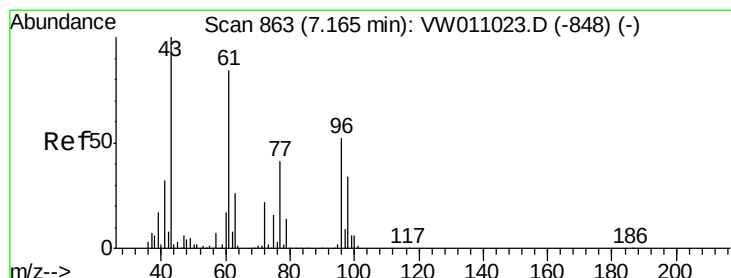
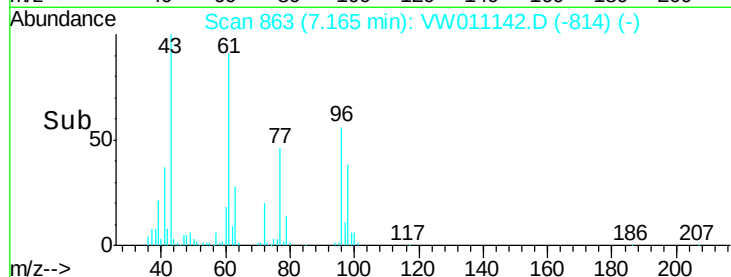
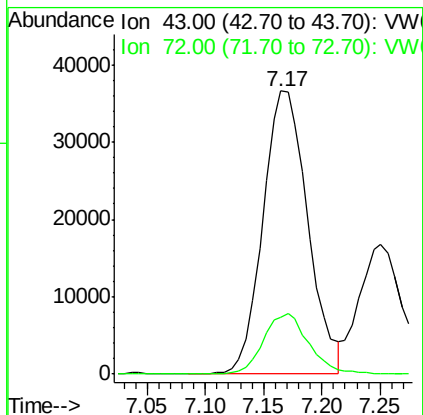
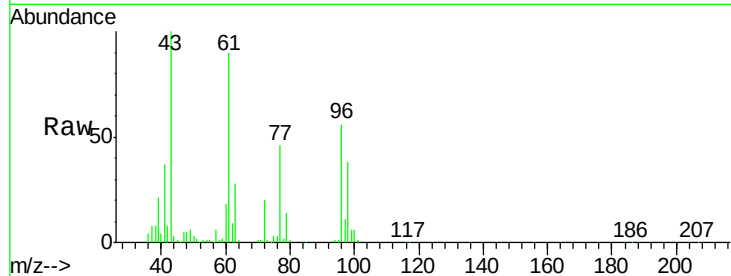
72 20.2 17.2 25.8

Manual Integrations

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MMDadoda

7/8/2019 9:41:43 AM



#26

2,2-Dichloropropane

Concen: 18.223 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011142.D

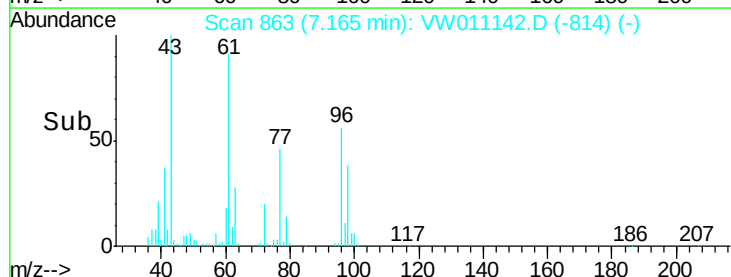
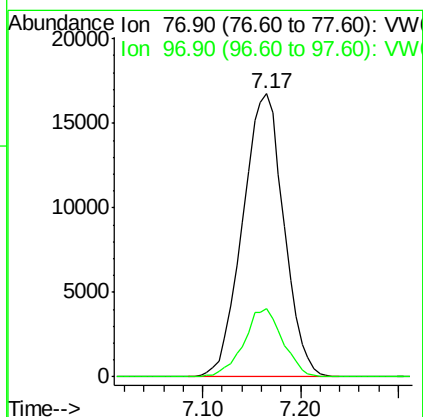
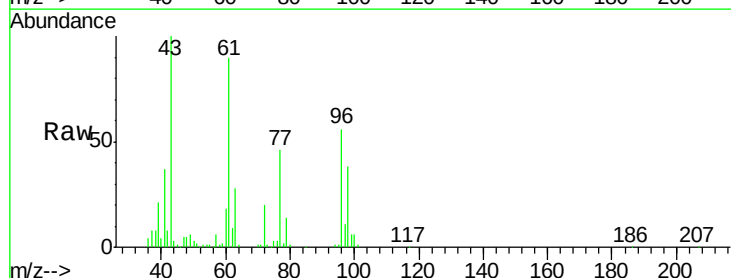
Acq: 03 Jul 2019 16:18

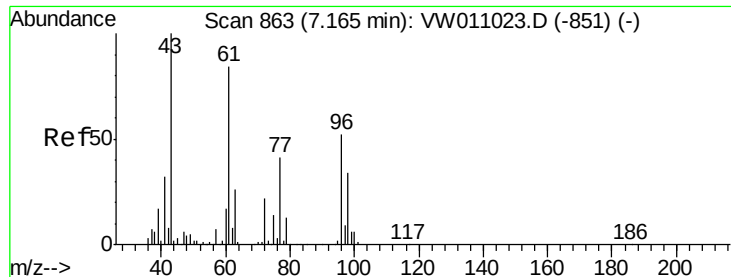
Tgt Ion: 77 Resp: 49081

Ion Ratio Lower Upper

77 100

97 22.7 10.9 32.7





#27

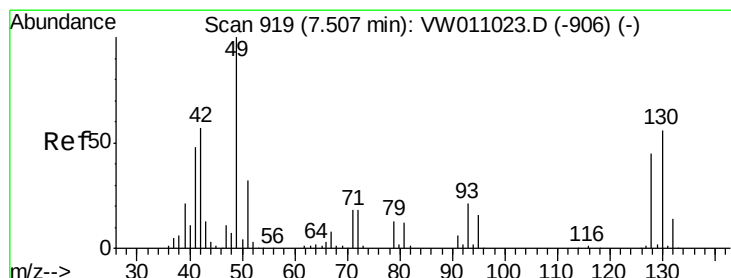
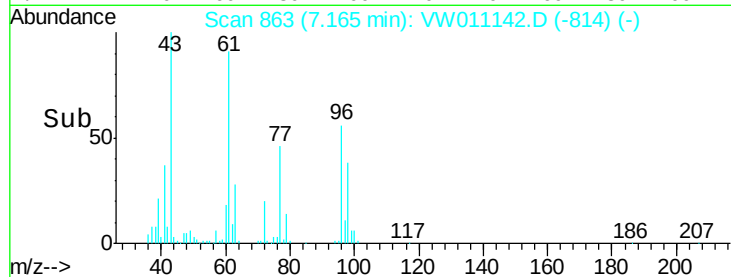
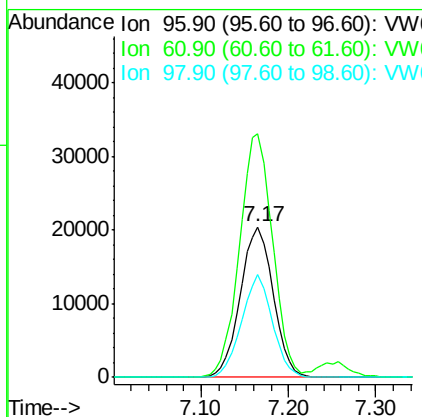
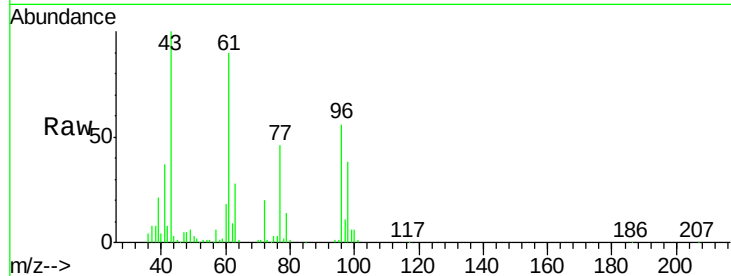
cis-1,2-Dichloroethene
 Concen: 19.010 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.5	0.0	330.4
98	63.9	0.0	129.4

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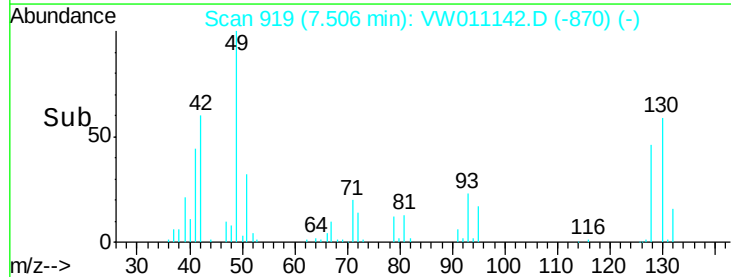
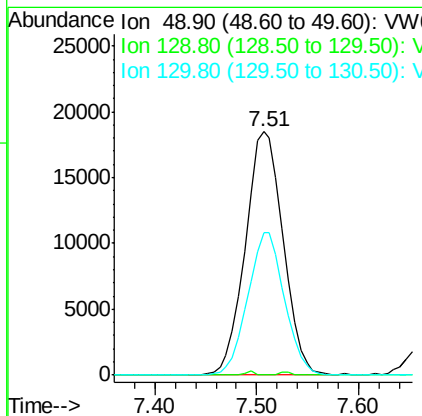
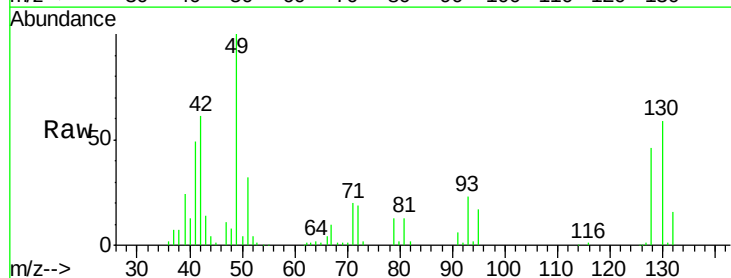
MMDadoda
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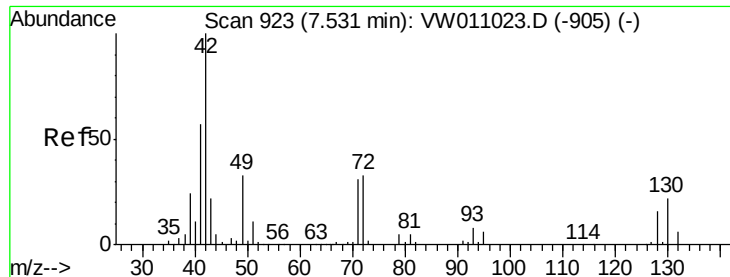


#28

Bromochloromethane
 Concen: 19.692 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.4
130	56.8	46.1	69.1





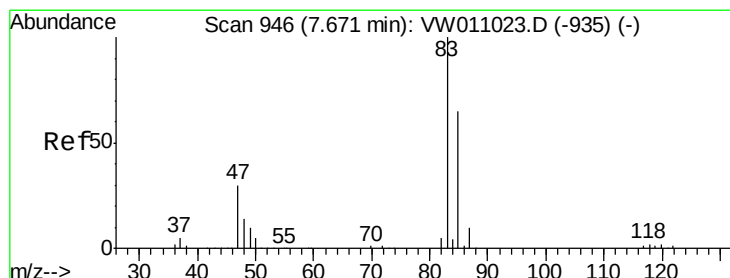
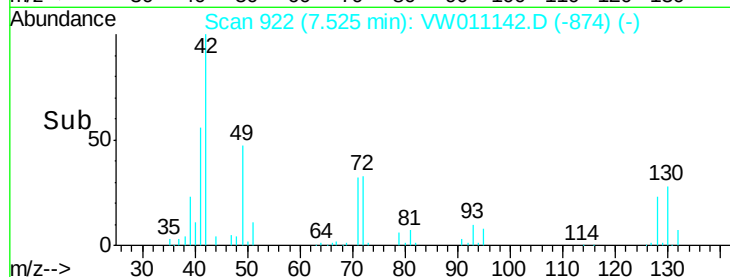
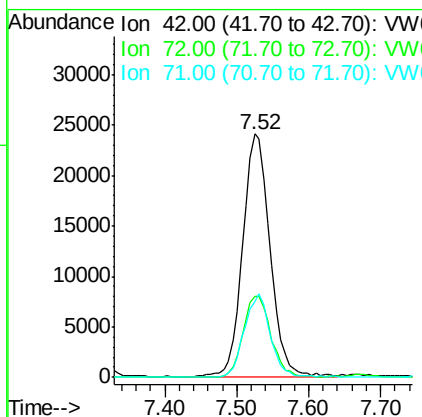
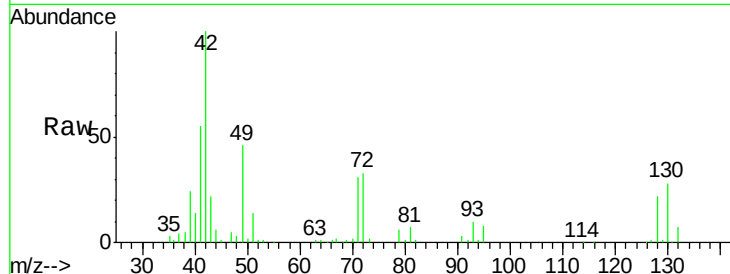
#29
Tetrahydrofuran
Concen: 94.911 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	27.4	41.0
71	32.6	25.6	38.4

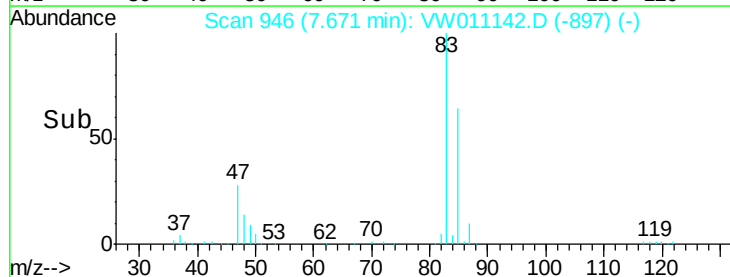
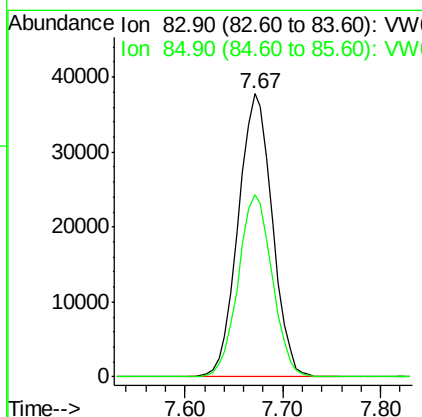
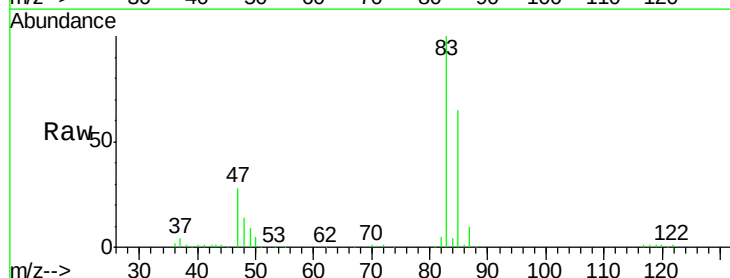
Manual Integrations
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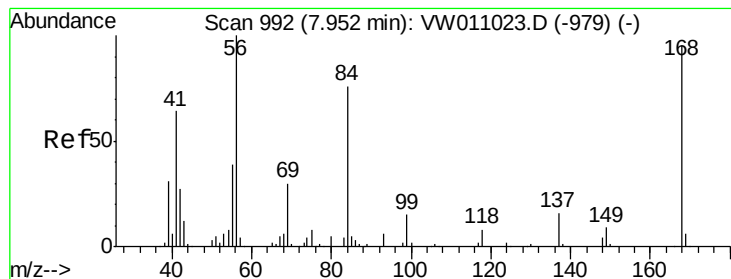
MMDadoda
7/8/2019 9:41:43 AM



#30
Chloroform
Concen: 19.372 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.2	78.4





#31

Cyclohexane

Concen: 18.851 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

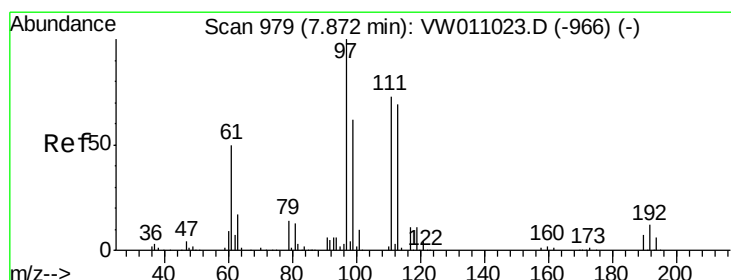
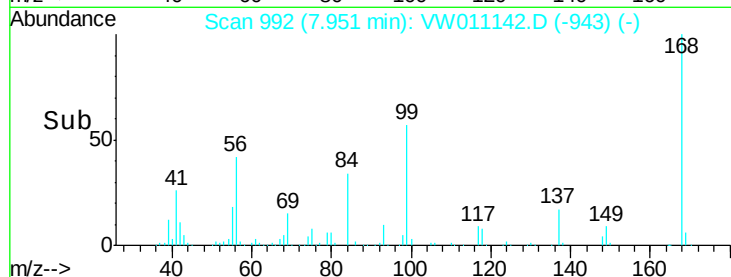
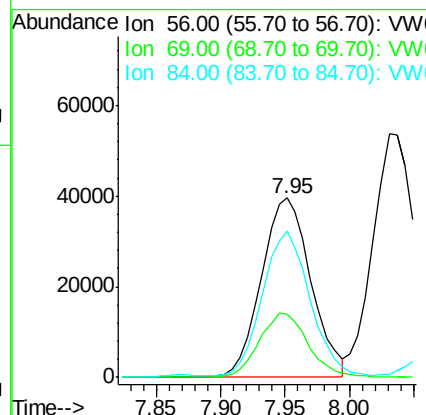
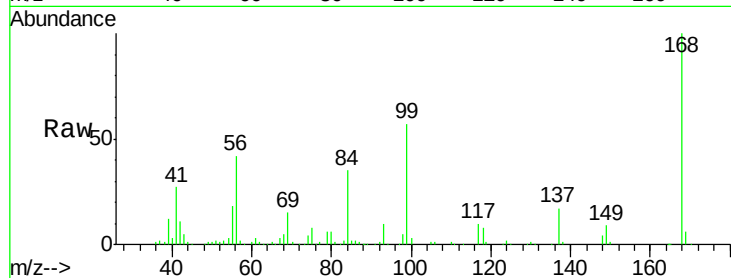
ClientSampled :

VW0704SBSD01

Tot Ion:	56	Resp:	105660
Ion Ratio	Lower	Upper	
56	100		
69	35.2	24.2	36.2
84	81.0	60.6	90.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.330 ug/l

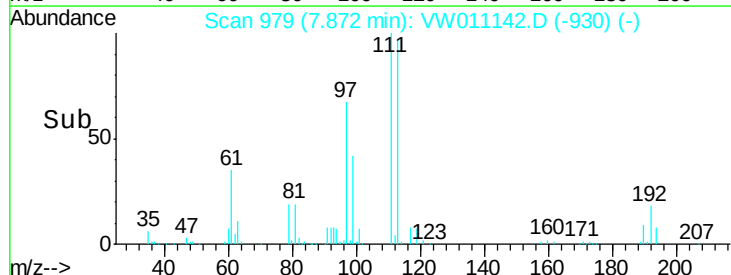
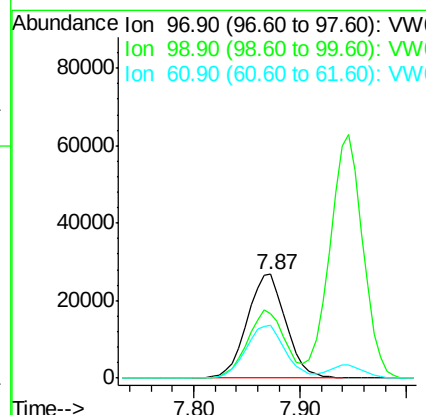
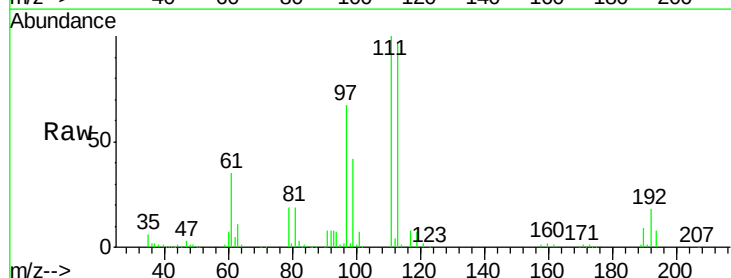
RT: 7.87 min Scan# 979

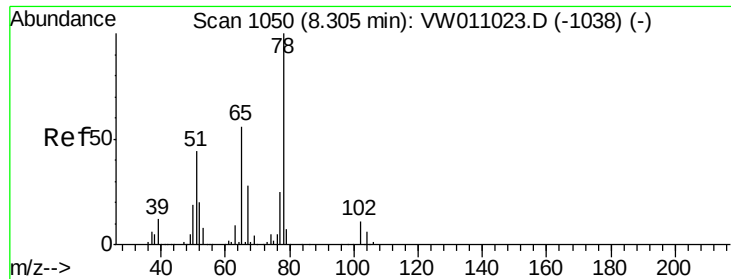
Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion:	97	Resp:	68071
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.1	76.7
61	51.8	41.4	62.2





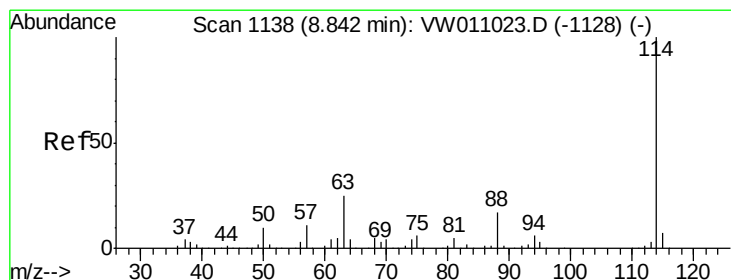
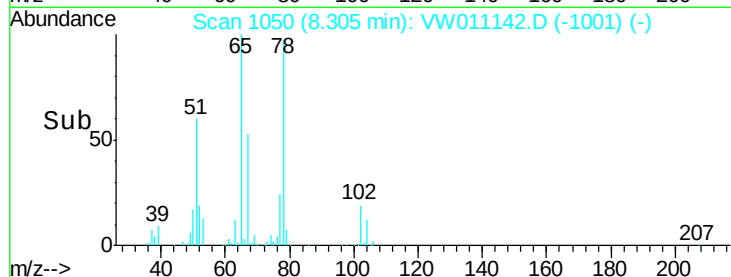
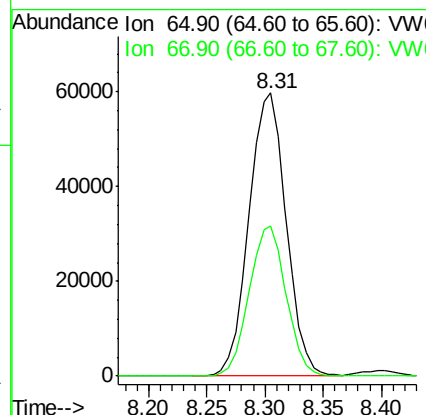
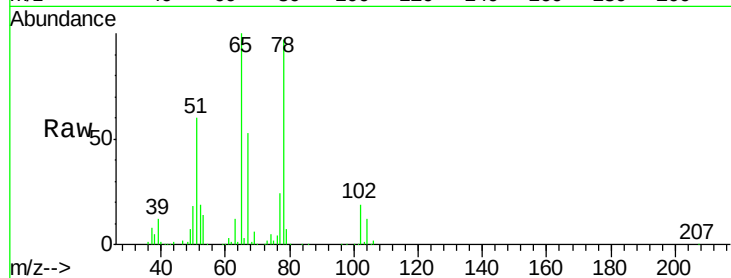
#33
 1,2-Dichloroethane-d4
 Concen: 45.513 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	102.4

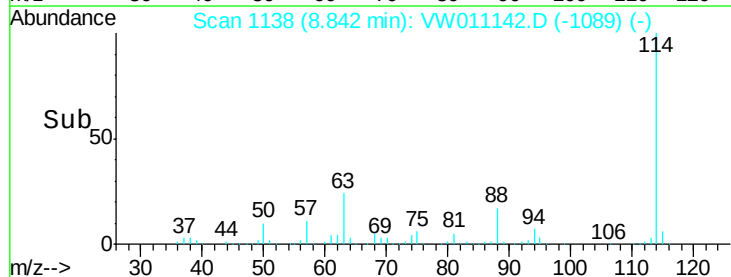
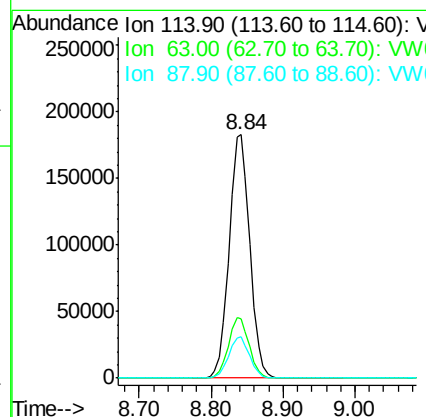
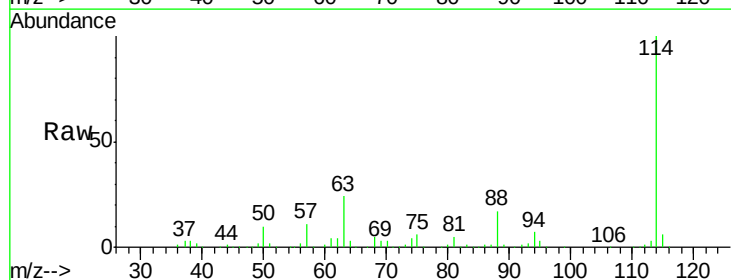
Manual Integrations
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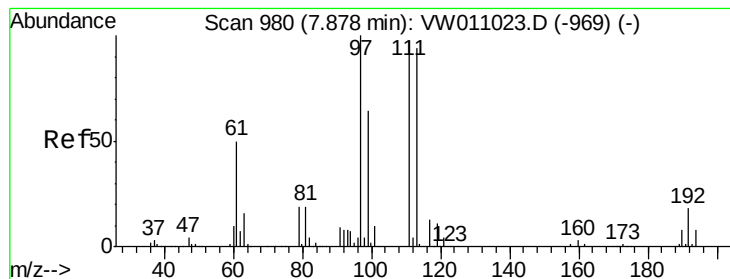
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	50.6
88	16.9	0.0	34.0





#35

Dibromofluoromethane

Concen: 46.811 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

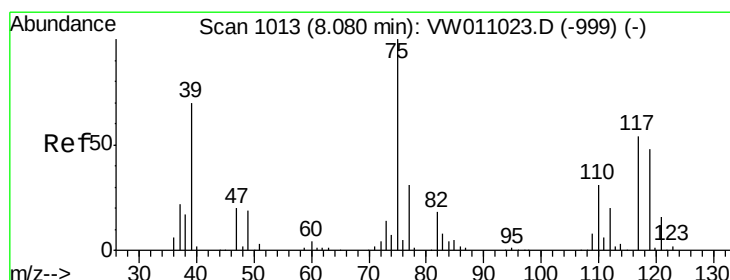
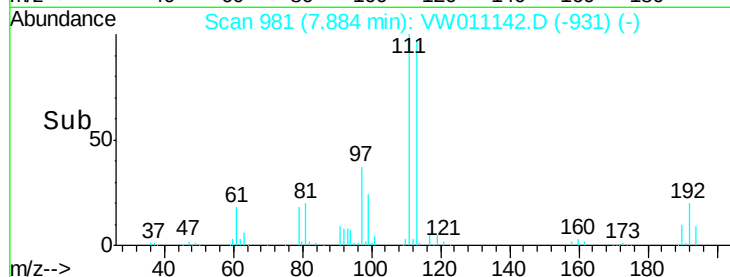
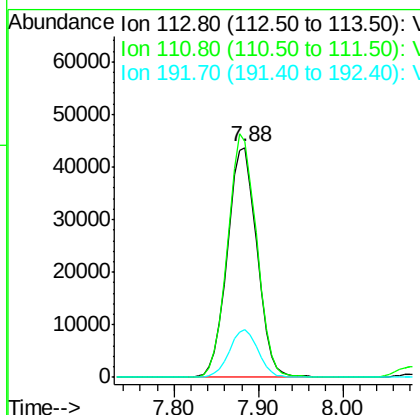
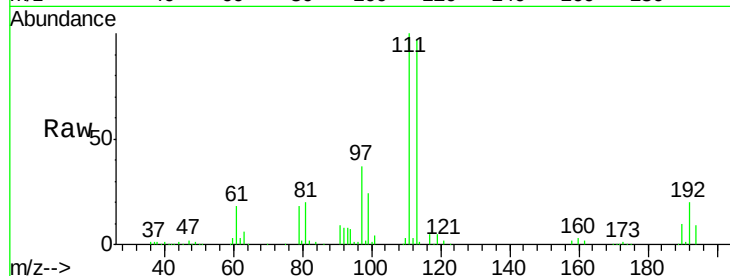
ClientSampleId :

VW0704SBS01

Tot Ion:	113	Resp:	104305
Ion Ratio	Lower	Upper	
113	100		
111	103.8	83.8	125.6
192	20.2	16.0	24.0

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#36

1,1-Dichloropropene

Concen: 19.621 ug/l

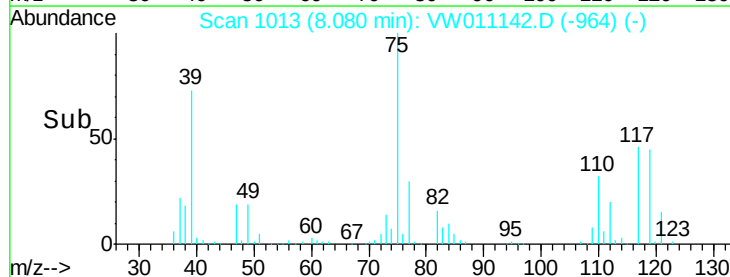
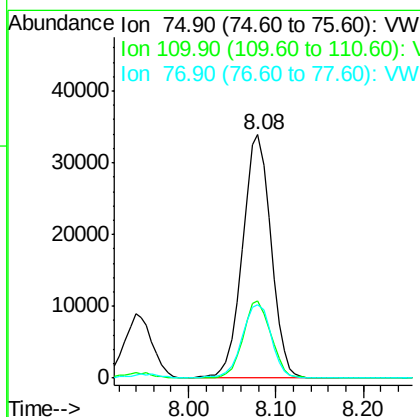
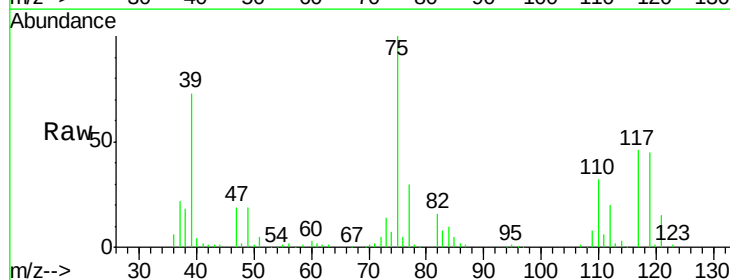
RT: 8.08 min Scan# 1013

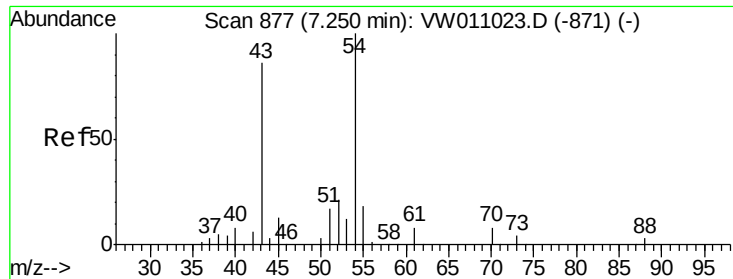
Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion:	75	Resp:	76954
Ion Ratio	Lower	Upper	
75	100		
110	30.9	15.5	46.5
77	30.9	24.9	37.3





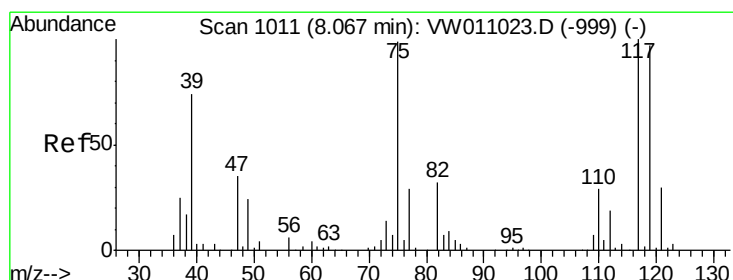
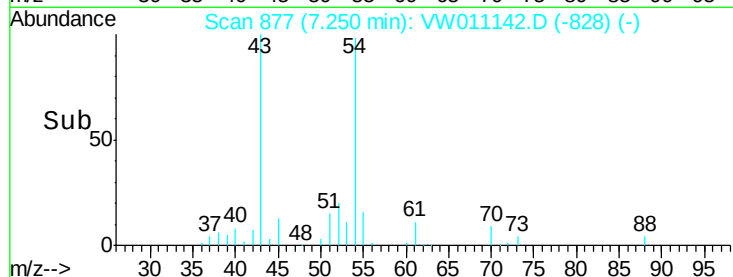
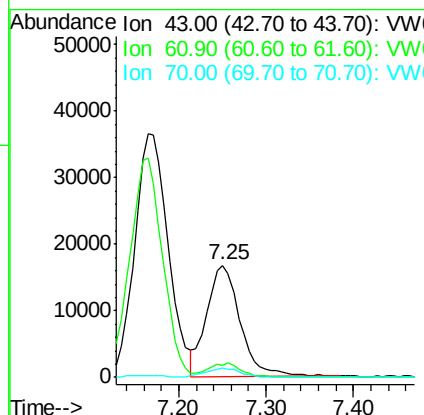
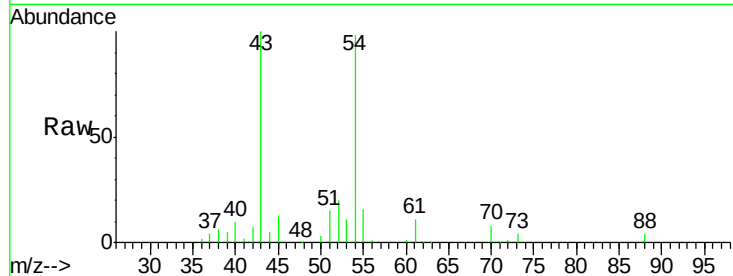
#37
Ethyl Acetate
Concen: 19.395 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion: 43 Resp: 44252
Ion Ratio Lower Upper
43 100
61 12.1 9.0 13.4
70 8.7 7.2 10.8

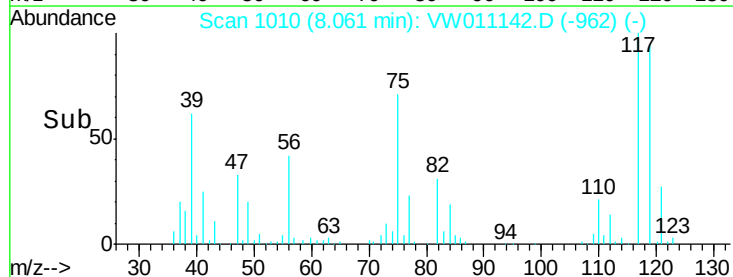
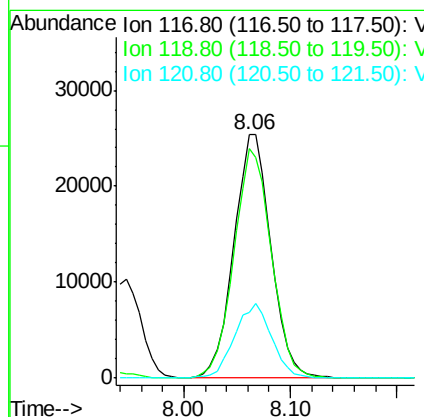
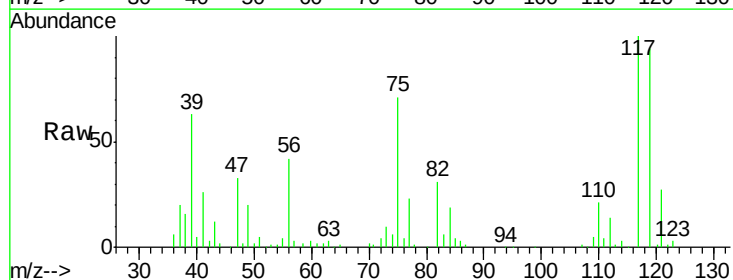
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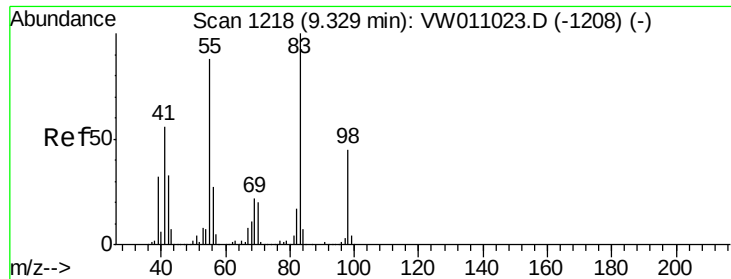
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#38
Carbon Tetrachloride
Concen: 19.236 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion: 117 Resp: 62129
Ion Ratio Lower Upper
117 100
119 94.4 77.7 116.5
121 27.1 23.9 35.9





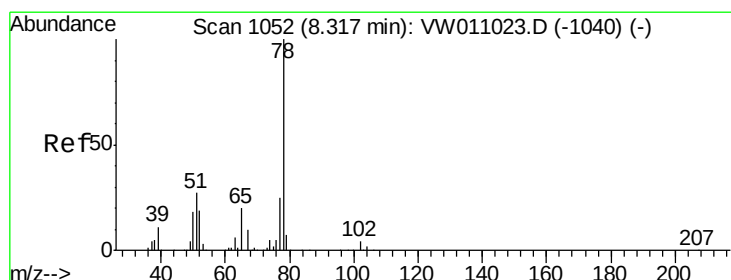
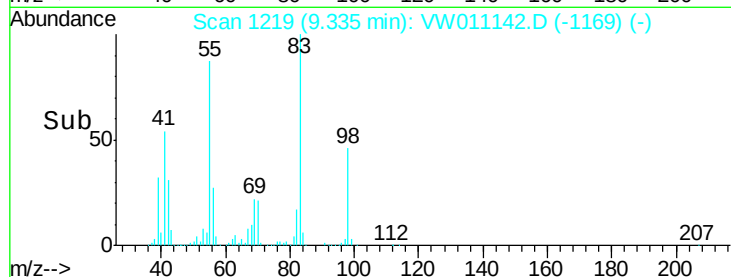
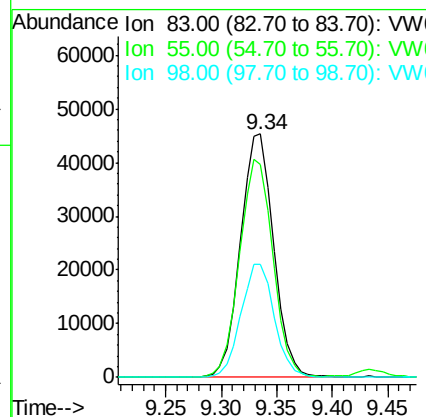
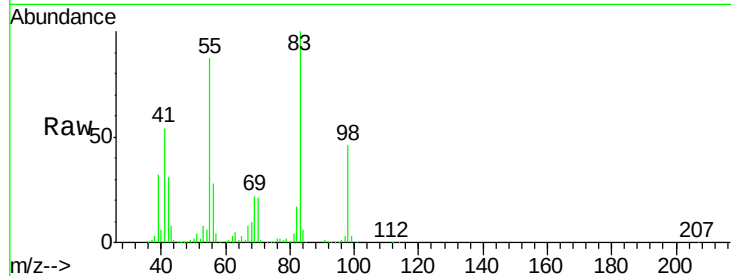
#39
Methylvlcyclohexane
Concen: 19.463 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	83	Resp	93941
Ion Ratio	Lower	Upper	
83	100		
55	87.4	70.7	106.1
98	46.2	36.4	54.6

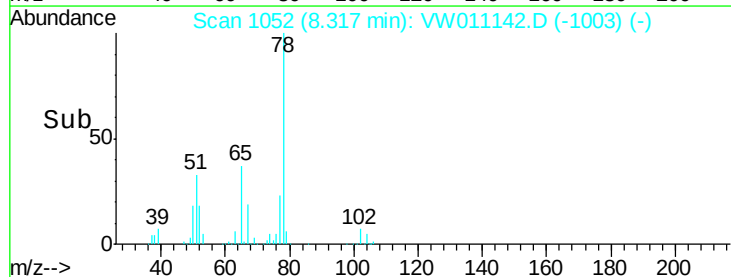
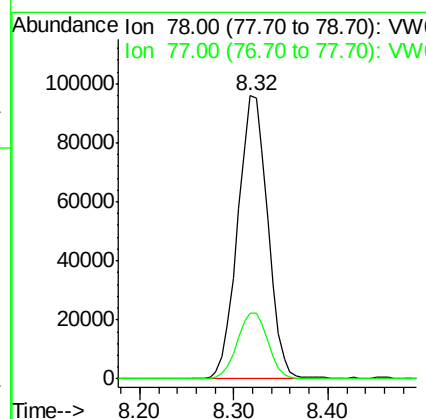
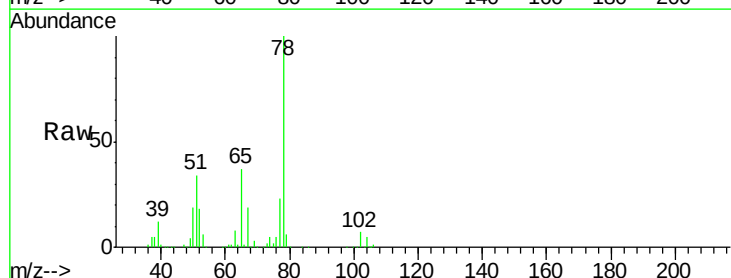
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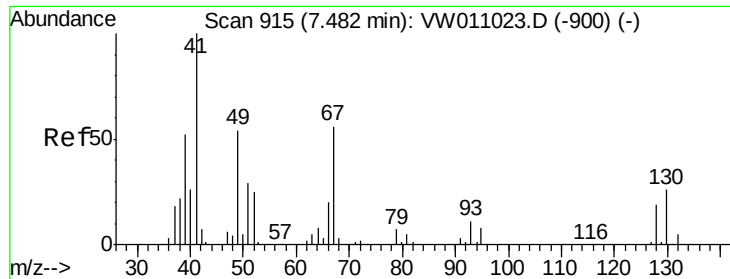
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#40
Benzene
Concen: 19.791 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	78	Resp	213486
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.7	29.5





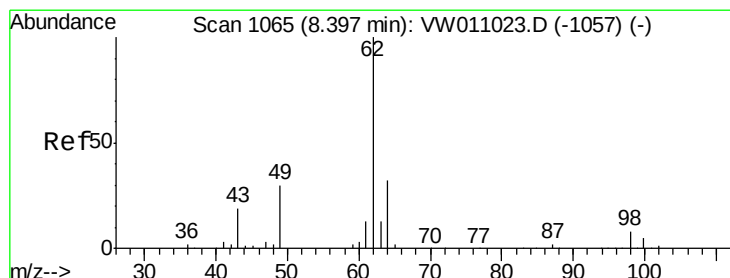
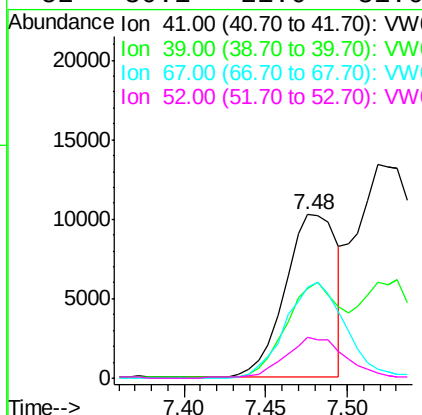
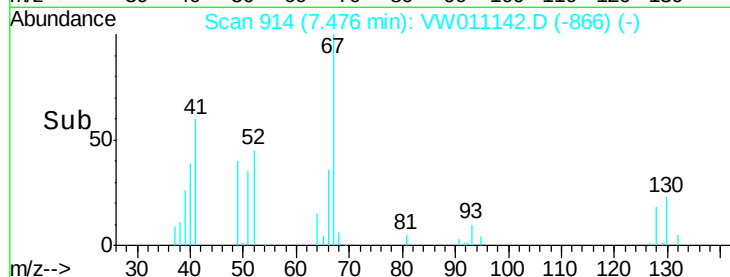
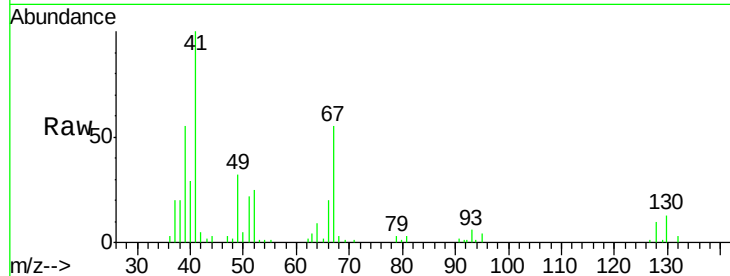
#41
Methacrylonitrile
Concen: 16.181 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	41	Resp	22462
Ion Ratio	Lower	Upper	
41	100		
39	62.3	42.1	63.1
67	69.4	44.2	66.2#
52	30.1	21.0	31.6

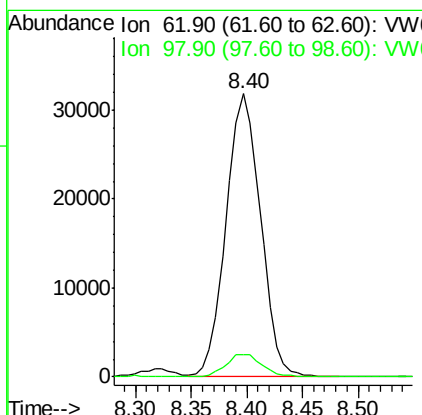
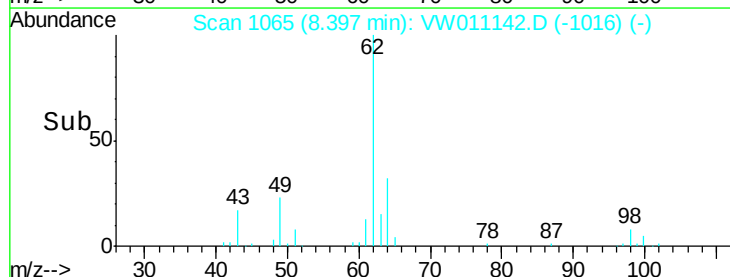
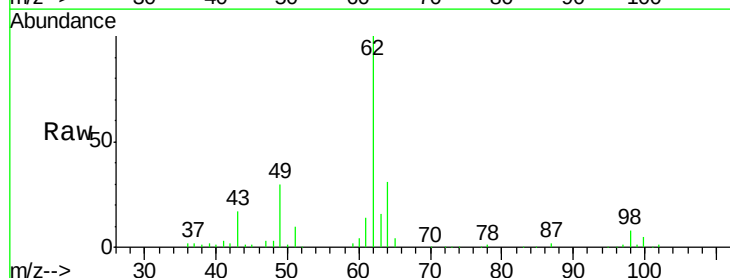
Manual Integrations
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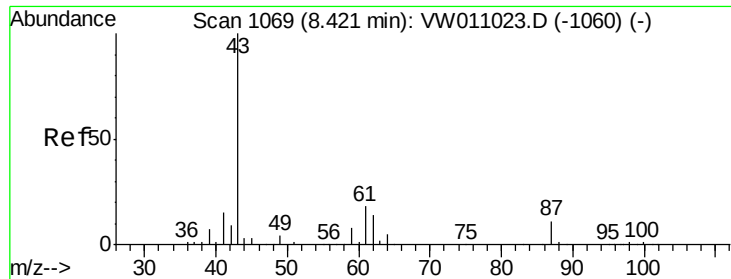
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.412 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	62	Resp	68660
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.544 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

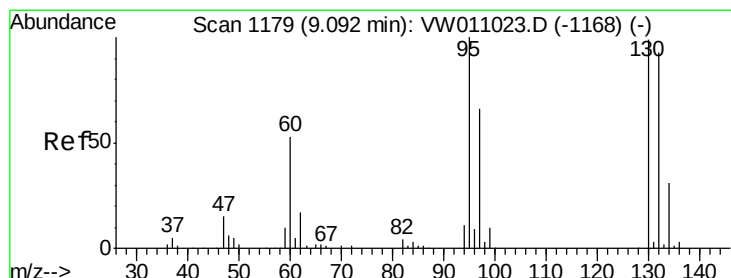
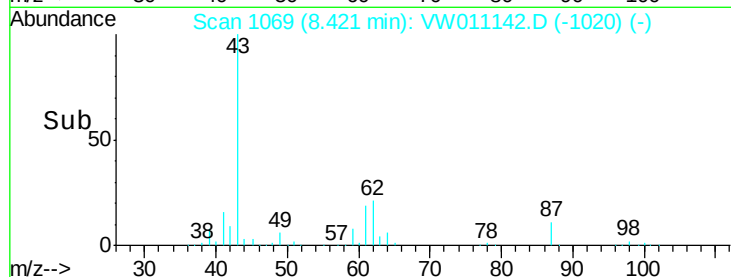
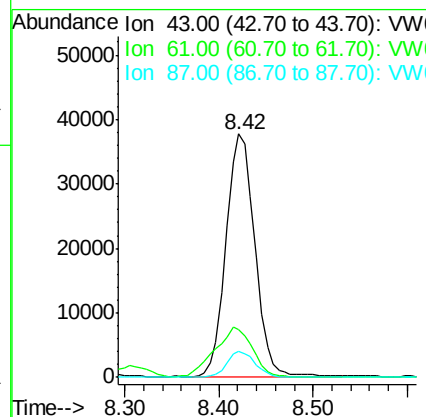
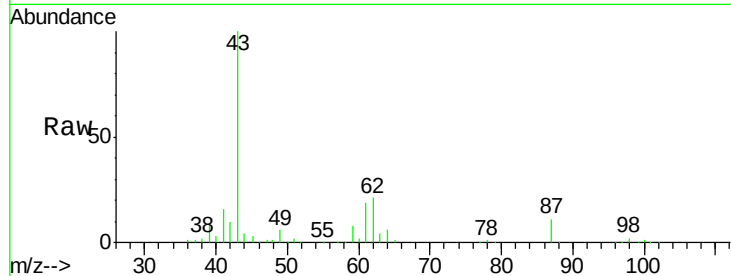
ClientSampleId :

VW0704SBS01

Tot Ion:	43	Resp:	80041
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.0	31.6
87	10.6	8.2	12.4

Manual Integrations
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MMDadoda
7/8/2019 9:41:43 AM



#44

Trichloroethene

Concen: 19.479 ug/l

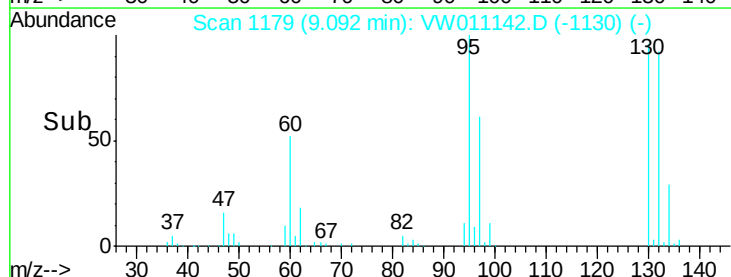
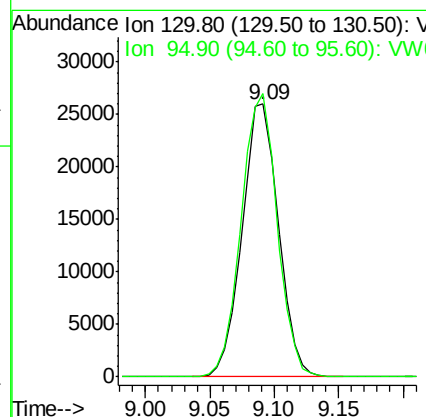
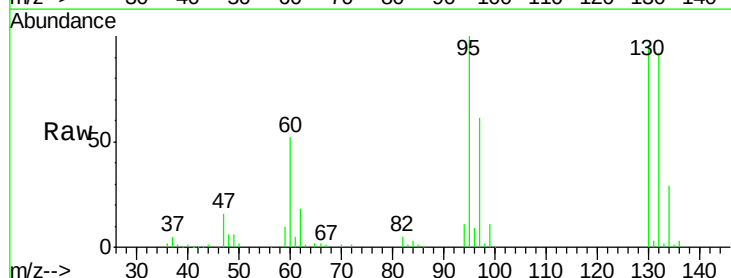
RT: 9.09 min Scan# 1179

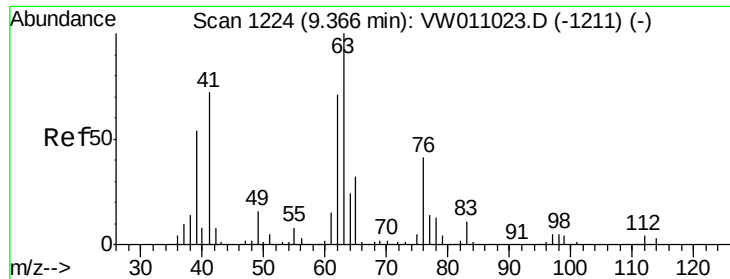
Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion:	130	Resp:	50781
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	202.0





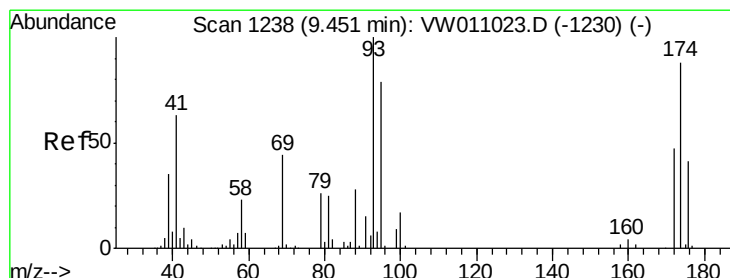
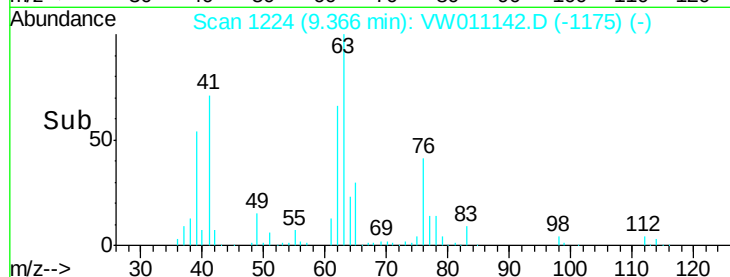
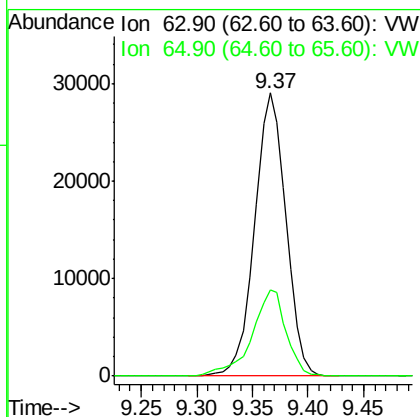
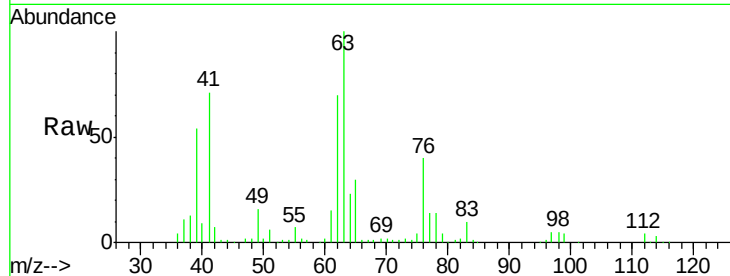
#45
 1,2-Dichloropropane
 Concen: 19.434 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	25.6	38.4

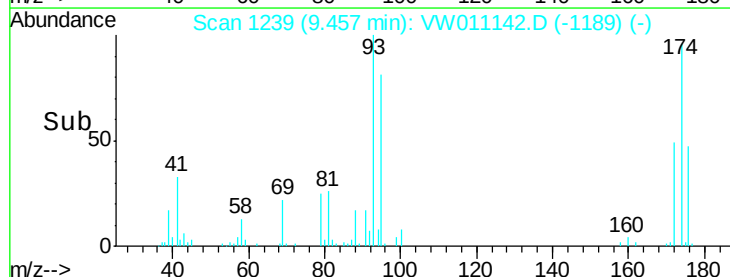
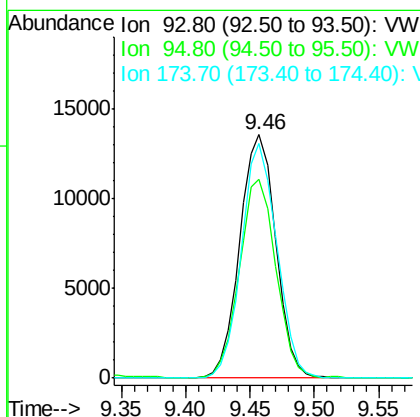
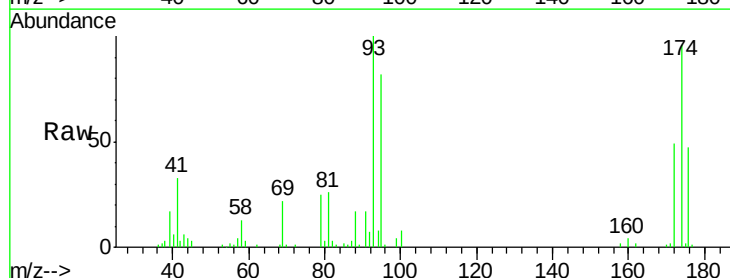
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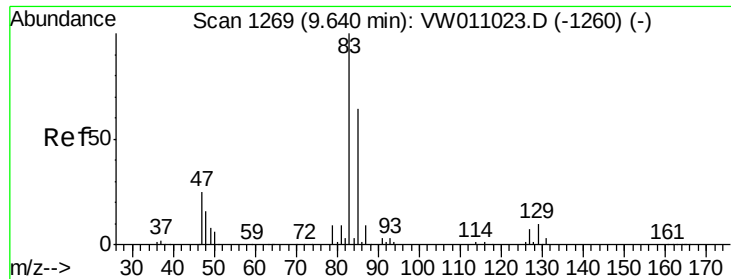
MMDadoda
 7/8/2019 9:41:43 AM



#46
 Dibromomethane
 Concen: 19.174 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.8	98.6
174	94.8	75.4	113.0





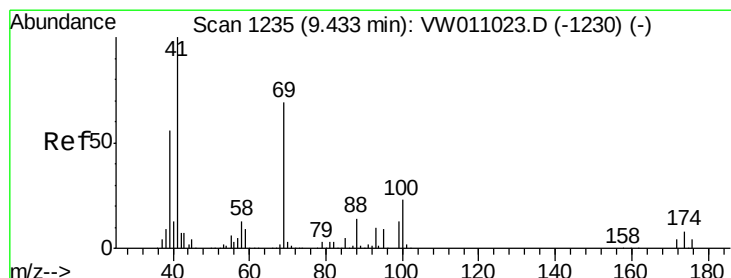
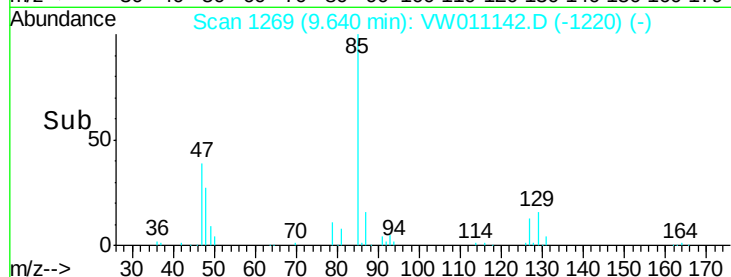
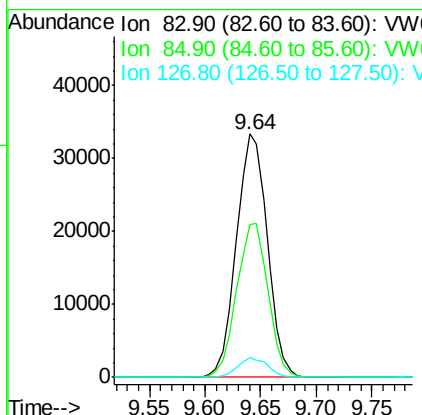
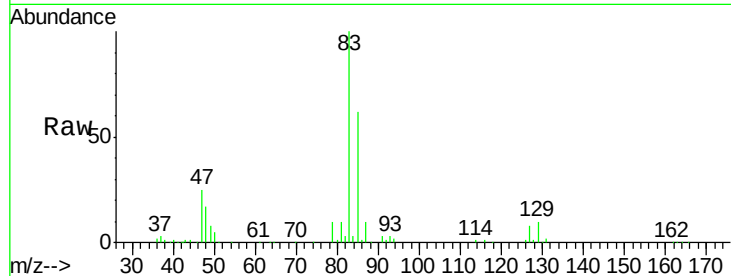
#47
 Bromodichloromethane
 Concen: 18.953 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Tot Ion	83	Resp	64288
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	51.0	76.4
127	8.1	5.8	8.8

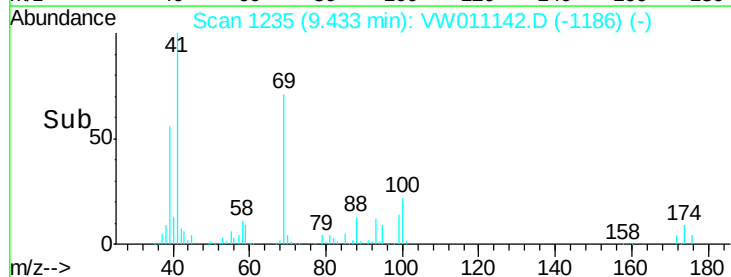
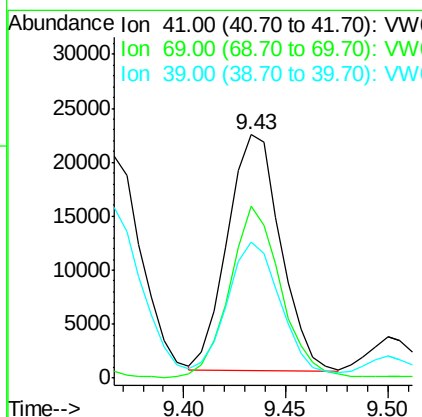
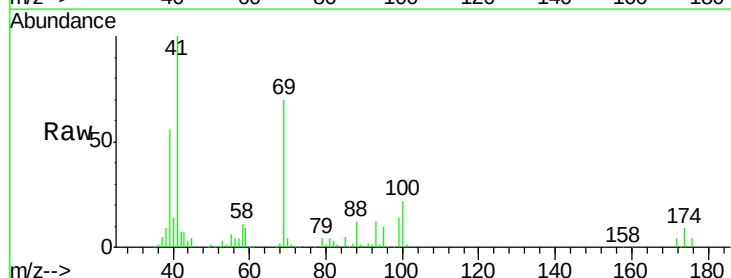
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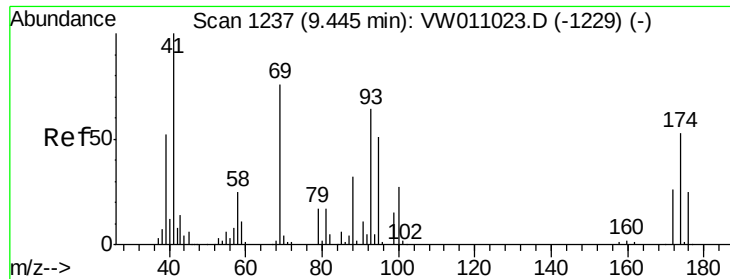
MMDadoda
 7/8/2019 9:41:43 AM



#48
 Methyl methacrylate
 Concen: 18.812 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	41	Resp	39370
Ion Ratio	100	Lower	Upper
41	100		
69	71.3	56.7	85.1
39	59.1	45.0	67.6





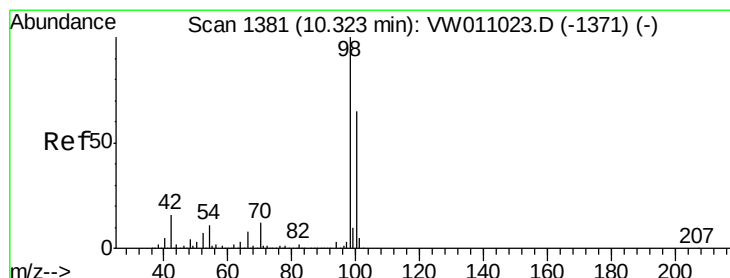
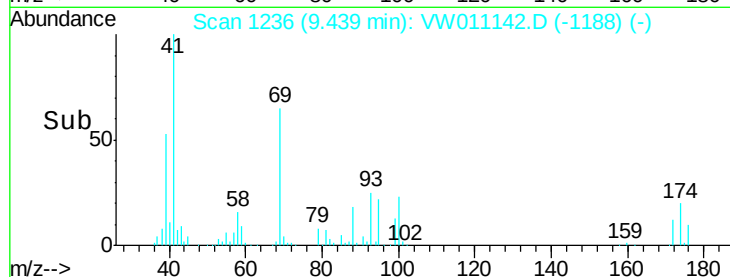
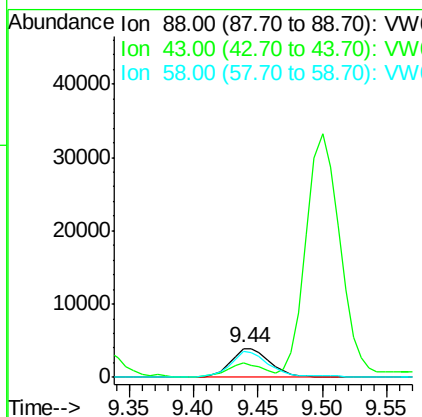
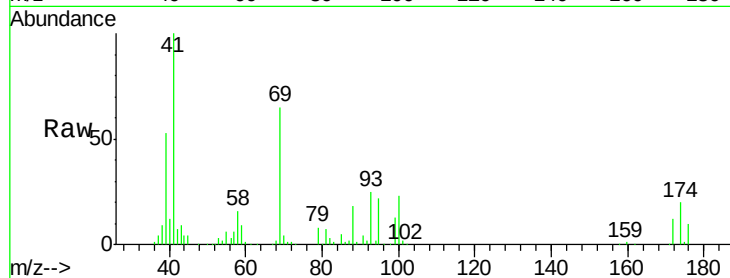
#49
 1,4-Dioxane
 Concen: 365.965 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.01 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Tot Ion	88	Resp	8430
Ion	Ratio	Lower	Upper
88	100		
43	42.2	34.4	51.6
58	85.4	65.2	97.8

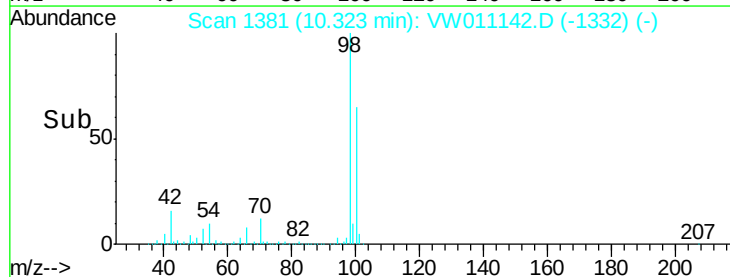
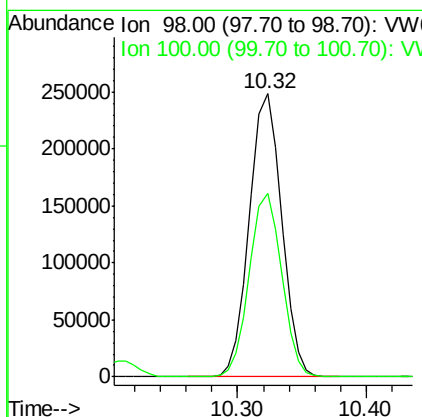
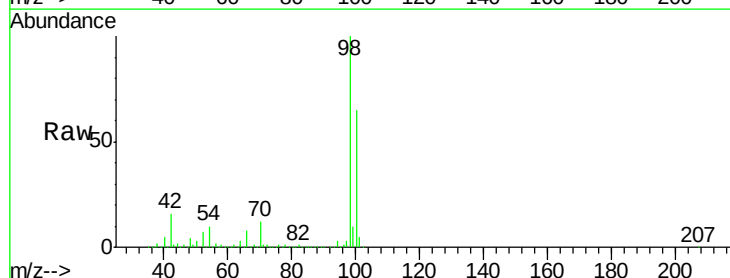
Manual Integrations
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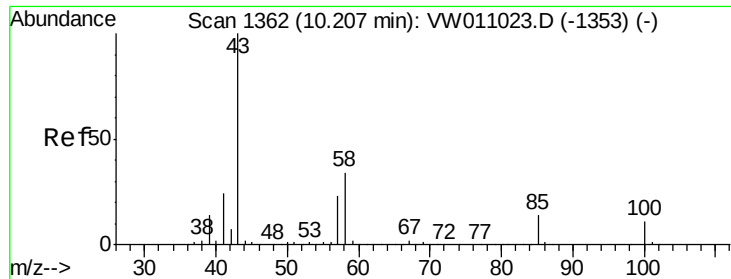
MMDadoda
 7/8/2019 9:41:43 AM



#50
 Toluene-d8
 Concen: 47.078 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	98	Resp	431794
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 93.413 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion: 43 Resp: 212234

Ion Ratio Lower Upper

43 100

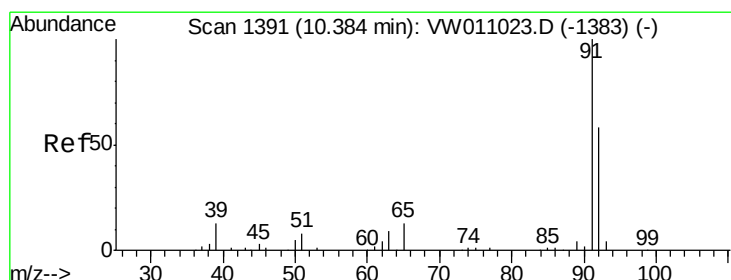
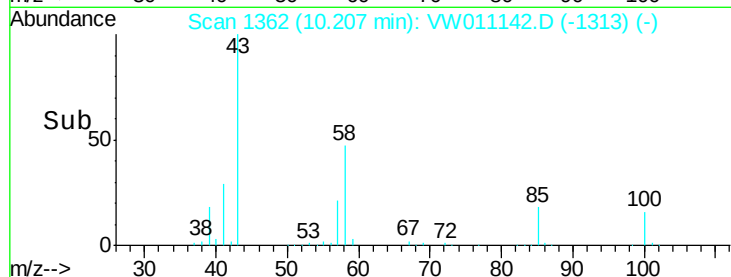
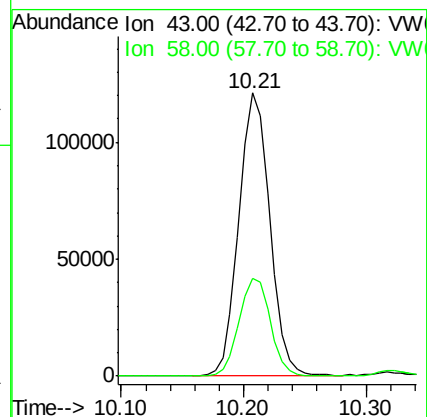
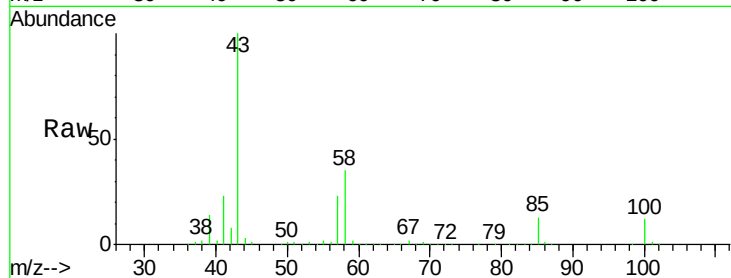
58 35.2 27.8 41.6

Manual Integrations

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7/8/2019 9:41:43 AM



#52

Toluene

Concen: 19.413 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011142.D

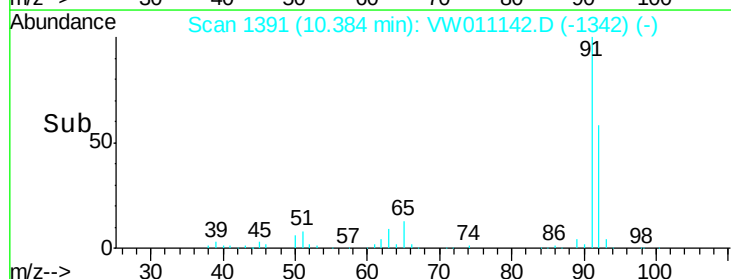
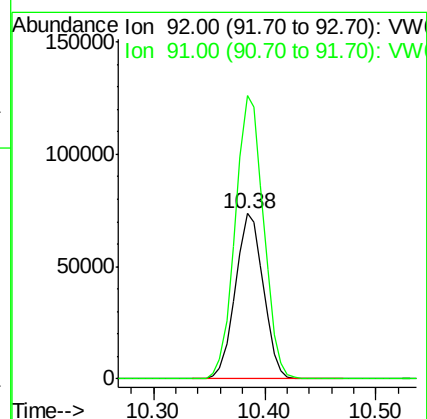
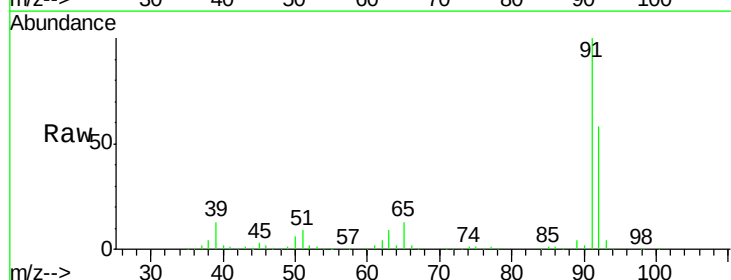
Acq: 03 Jul 2019 16:18

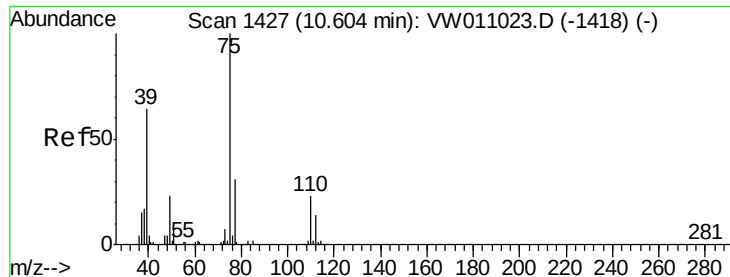
Tgt Ion: 92 Resp: 128205

Ion Ratio Lower Upper

92 100

91 173.3 136.9 205.3





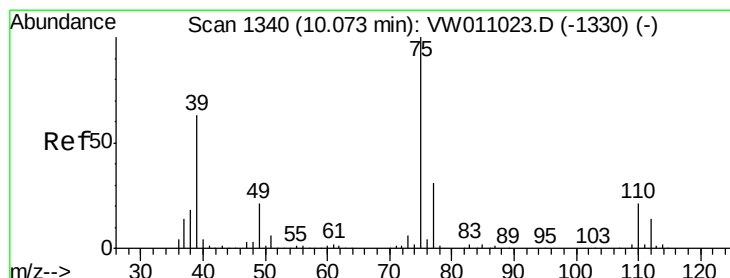
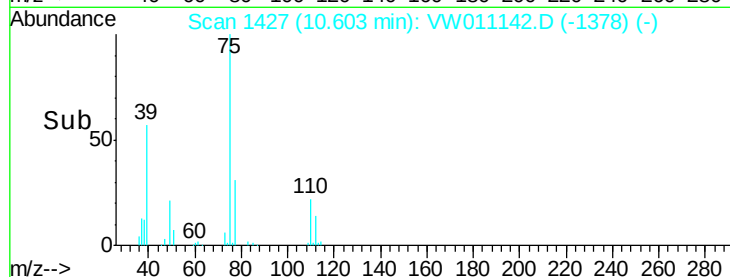
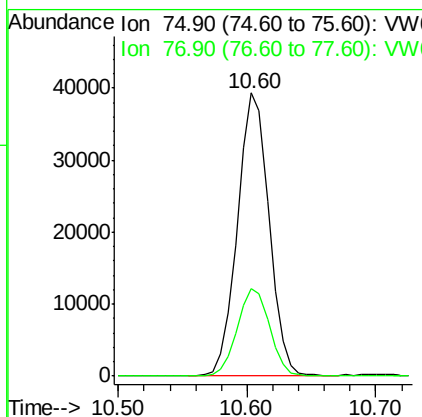
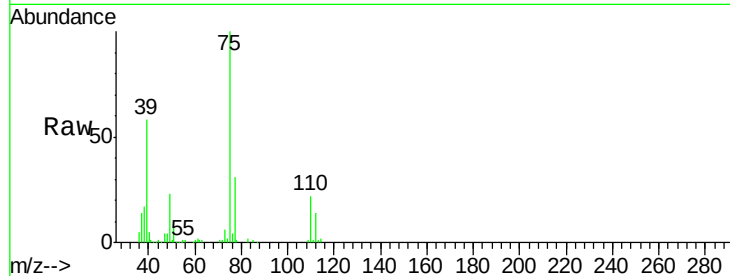
#53
t-1,3-Dichloropropene
Concen: 18.869 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion: 75 Resp: 66665
Ion Ratio Lower Upper
75 100
77 31.0 24.6 37.0

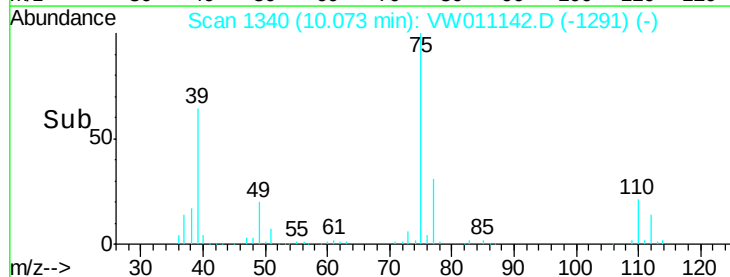
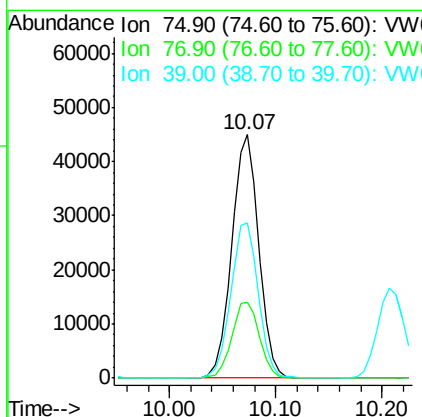
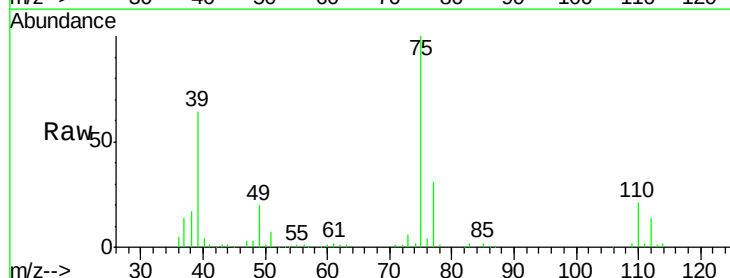
Manual Integrations
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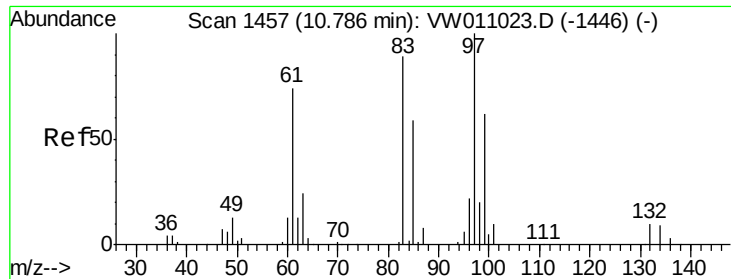
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.963 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion: 75 Resp: 79919
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2
39 63.8 50.0 75.0





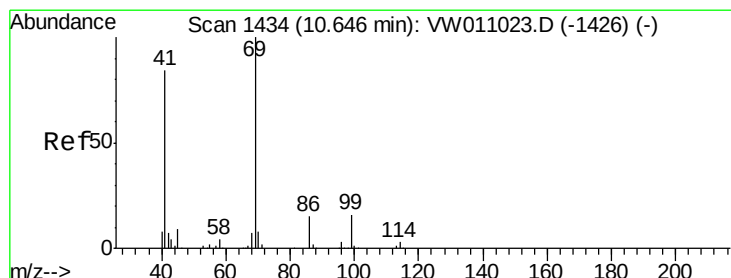
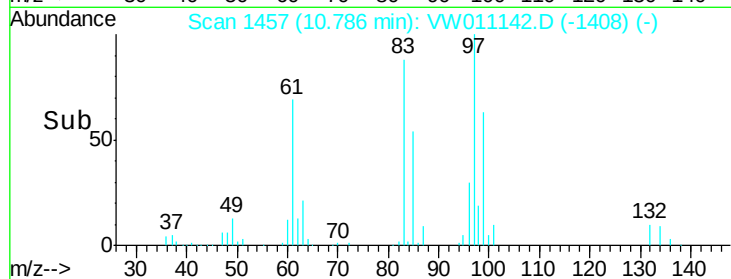
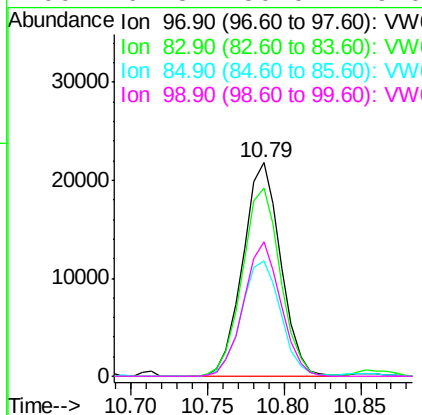
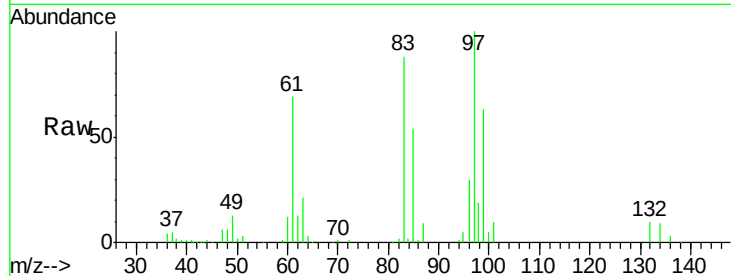
#55
 1,1,2-Trichloroethane
 Concen: 19.404 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBSD01

Tot Ion:	97	Resp:	37558
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.9	106.3
85	53.8	47.2	70.8
99	62.8	50.0	75.0

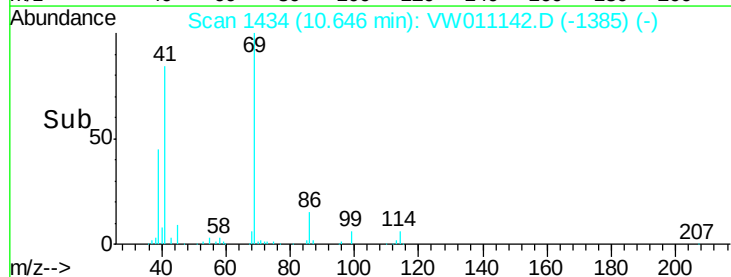
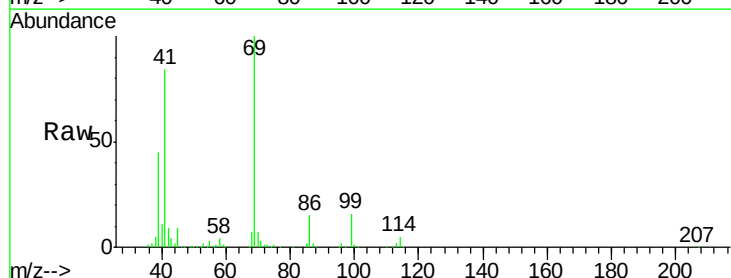
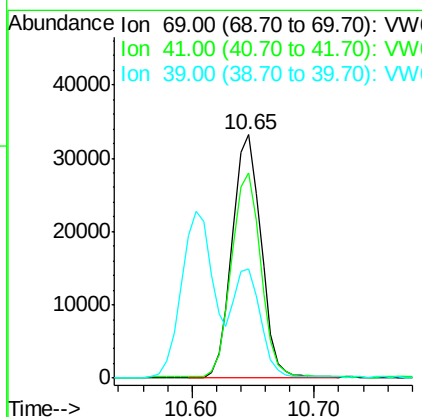
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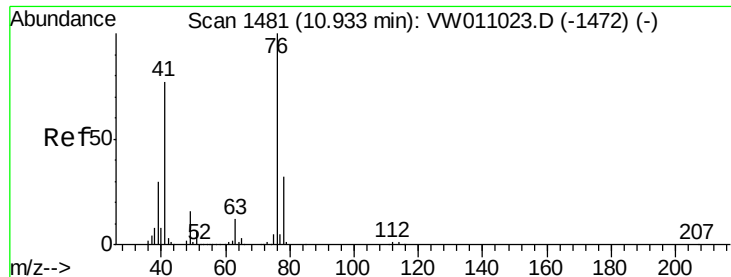
MMDadoda
 7/8/2019 9:41:43 AM



#56
 Ethyl methacrylate
 Concen: 18.832 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion:	69	Resp:	54582
Ion	Ratio	Lower	Upper
69	100		
41	86.2	67.9	101.9
39	41.0	33.2	49.8





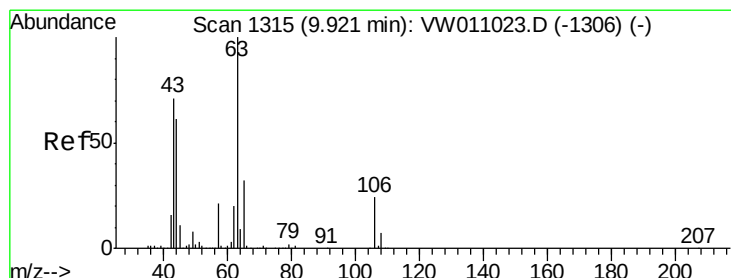
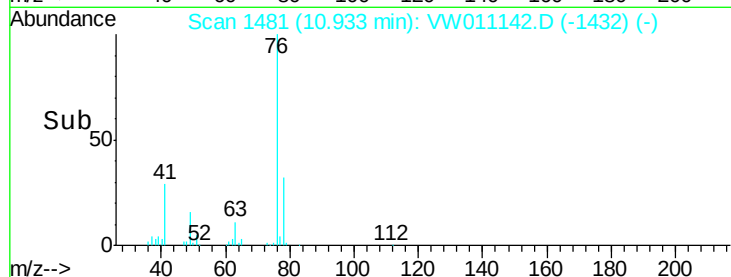
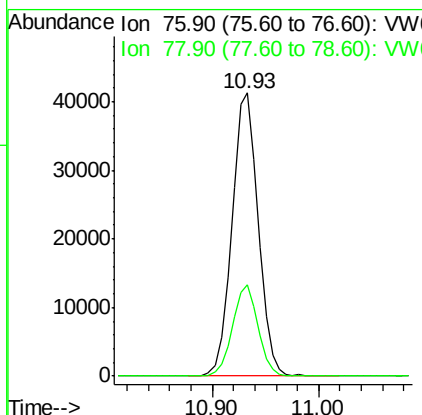
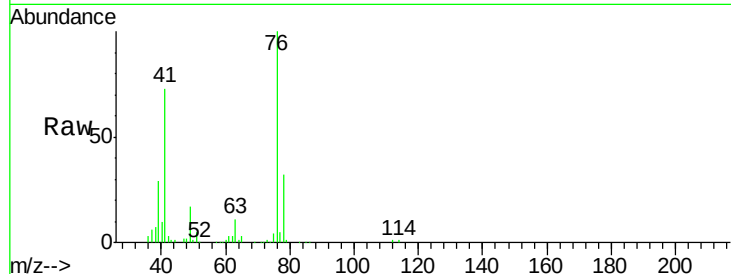
#57
 1,3-Dichloropropane
 Concen: 19.321 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion: 76 Resp: 71138
 Ion Ratio Lower Upper
 76 100
 78 31.3 25.8 38.6

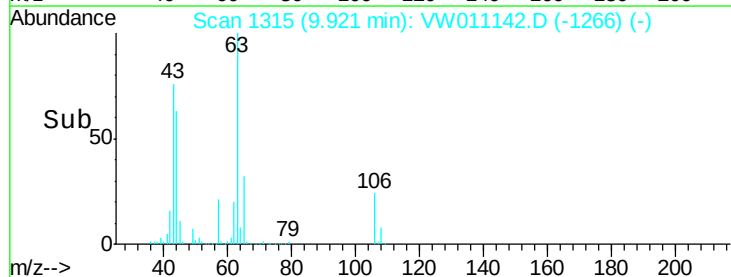
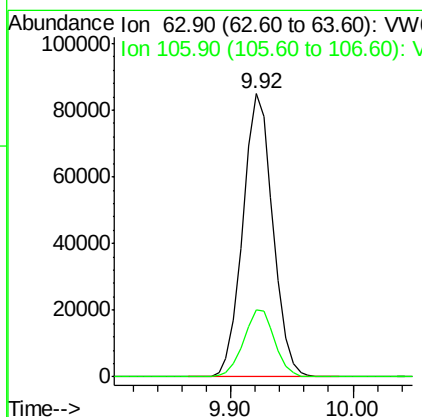
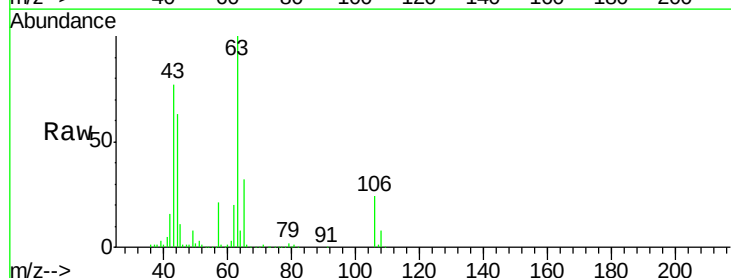
Manual Integrations
 APPROVED

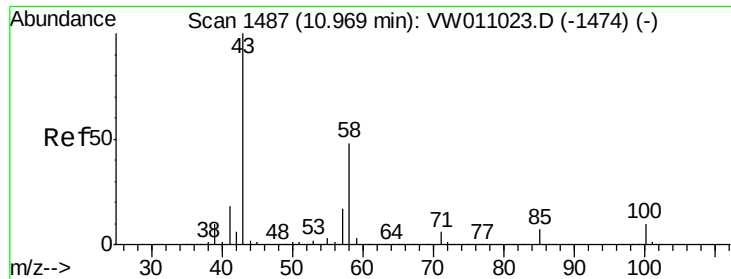
MMDadoda
 7/8/2019 9:41:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.636 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion: 63 Resp: 144650
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0





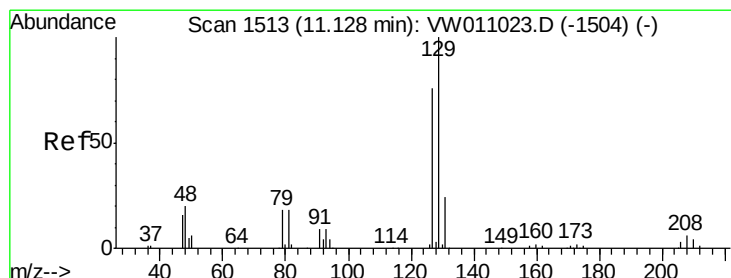
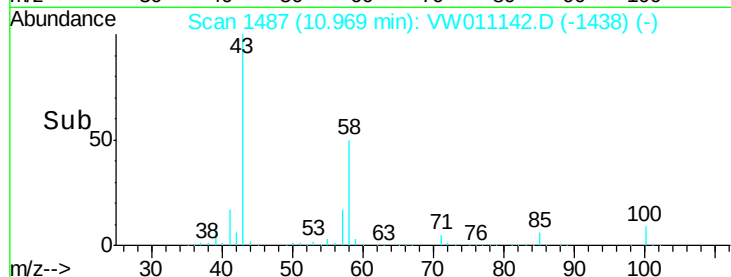
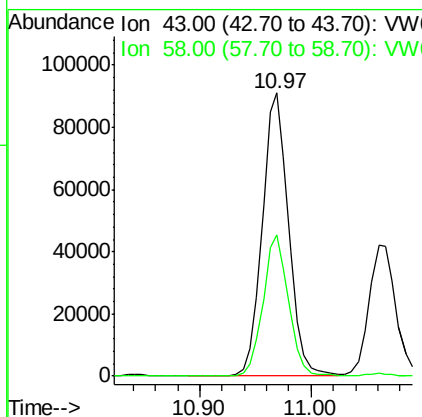
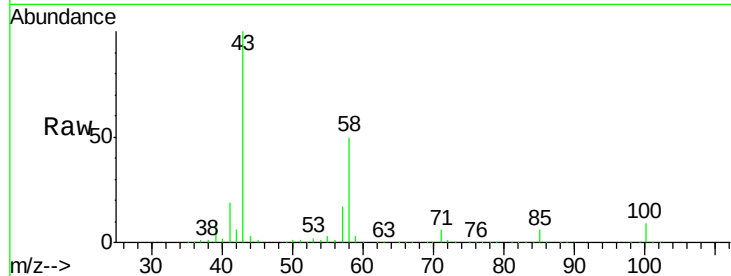
#59
2-Hexanone
Concen: 94.541 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampled :
VW0704SBSD01

Tot Ion: 43 Resp: 149792
Ion Ratio Lower Upper
43 100
58 48.6 23.8 71.5

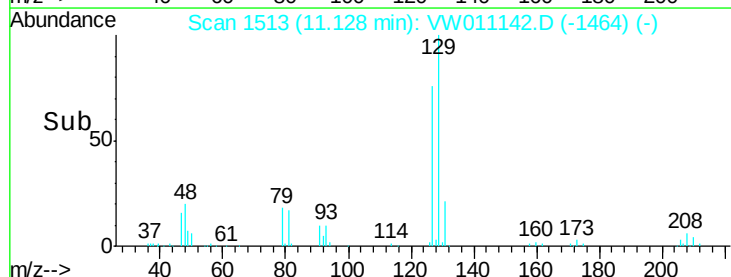
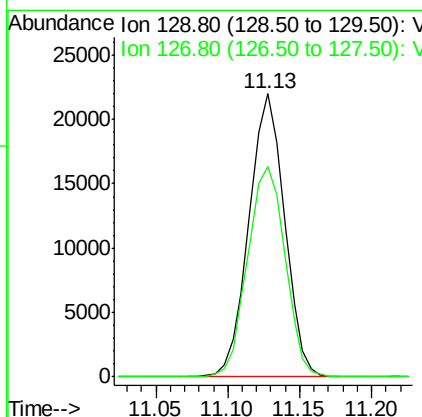
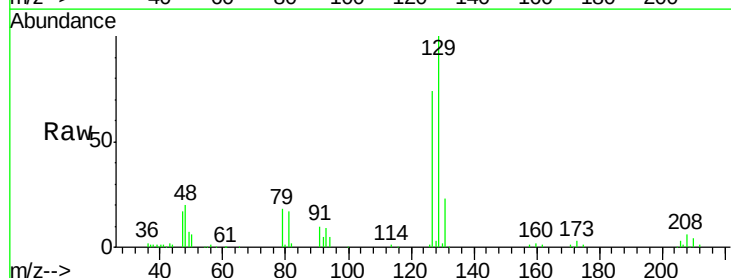
Manual Integrations
APPROVED

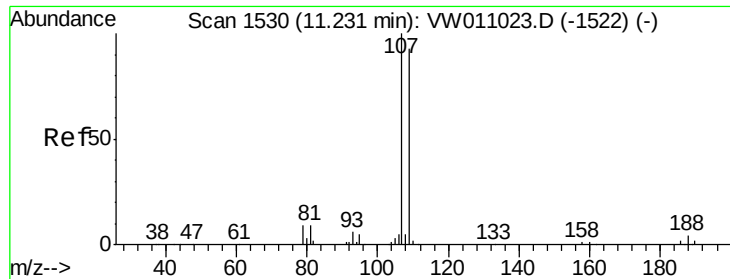
MMDadoda
7/8/2019 9:41:43 AM



#60
Dibromochloromethane
Concen: 18.512 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion: 129 Resp: 37575
Ion Ratio Lower Upper
129 100
127 78.4 39.4 118.1





#61

1,2-Dibromoethane

Concen: 18.865 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBSD01

Tot Ion: 107 Resp: 34184

Ion Ratio Lower Upper

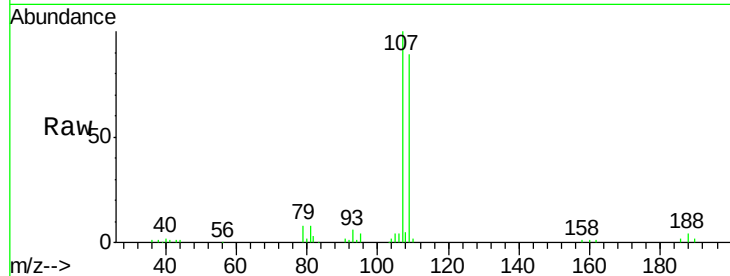
107 100

109 93.5 75.1 112.7

Manual Integrations
APPROVED

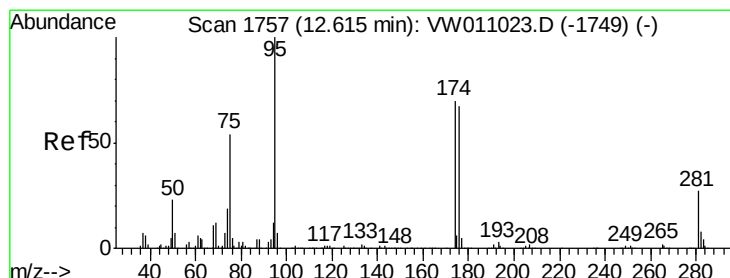
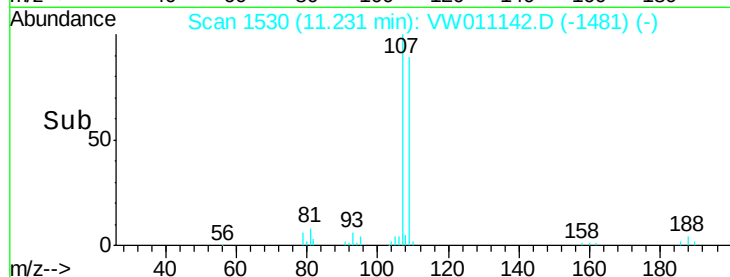
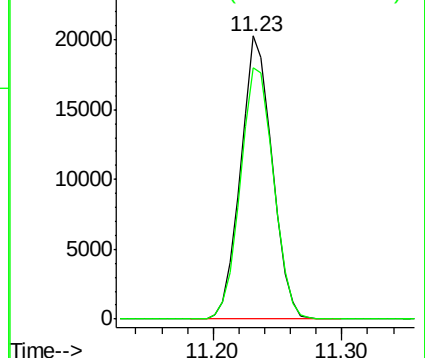
MMDadoda

7/8/2019 9:41:43 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.593 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

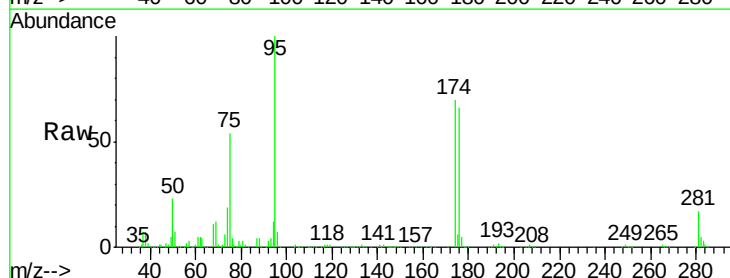
Tgt Ion: 95 Resp: 156302

Ion Ratio Lower Upper

95 100

174 73.4 0.0 149.2

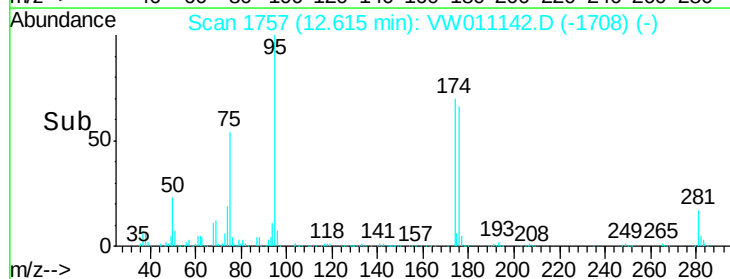
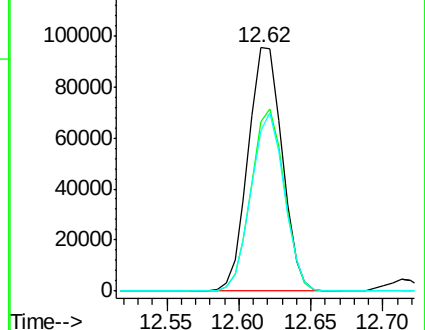
176 71.2 0.0 143.6

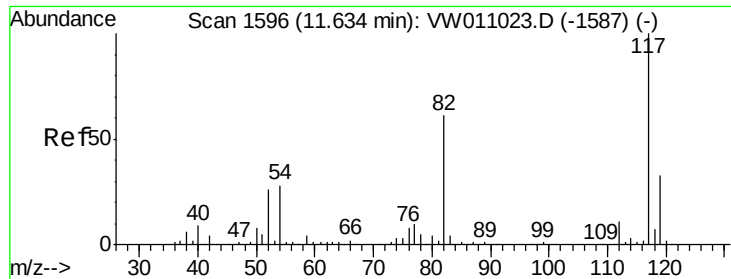


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





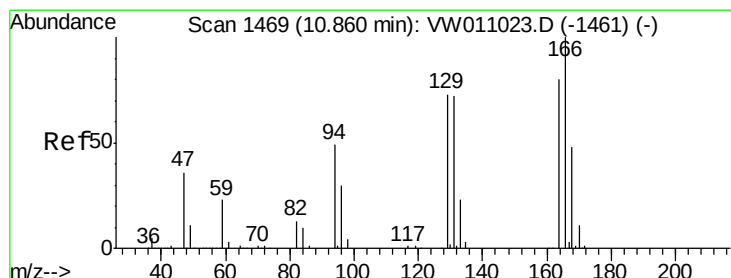
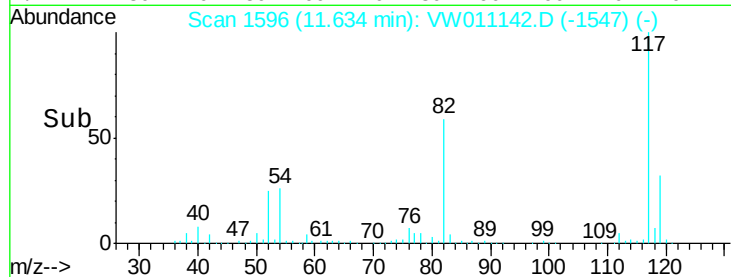
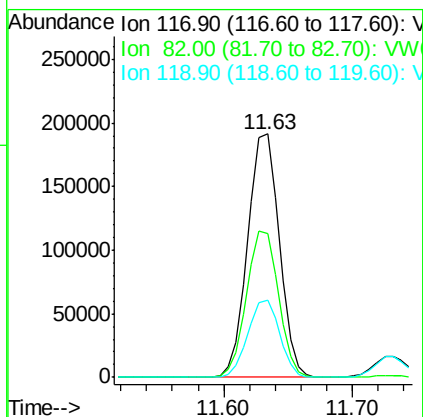
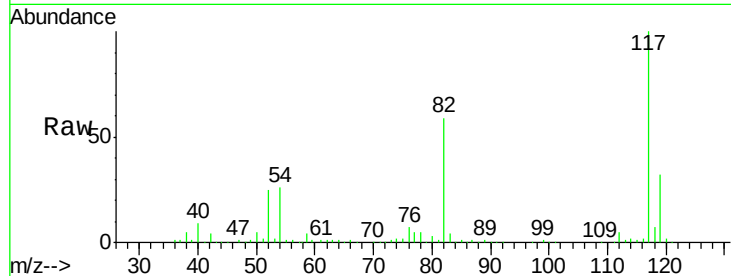
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	48.6	73.0
119	31.9	26.1	39.1

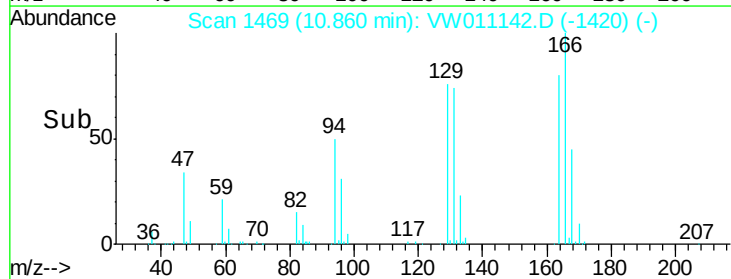
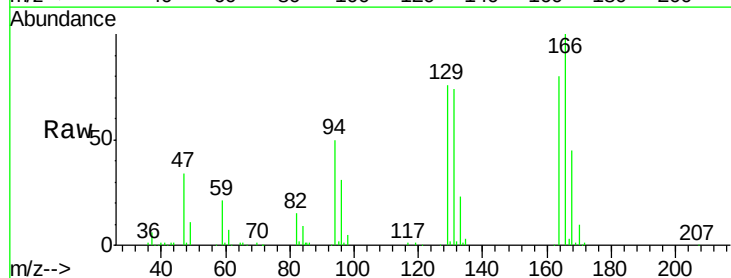
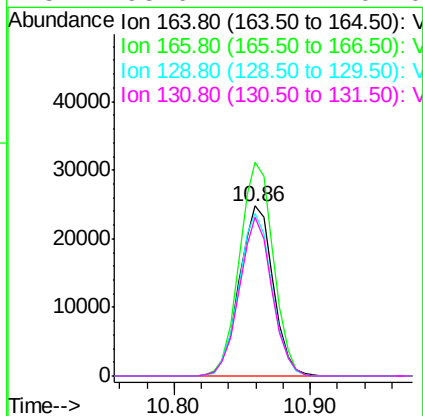
Manual Integrations
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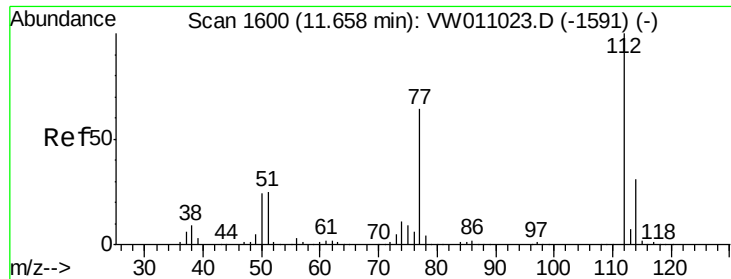
MMDadoda
7/8/2019 9:41:43 AM



#64
Tetrachloroethene
Concen: 19.217 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	99.8	149.6
129	95.4	73.0	109.4
131	93.6	71.4	107.0





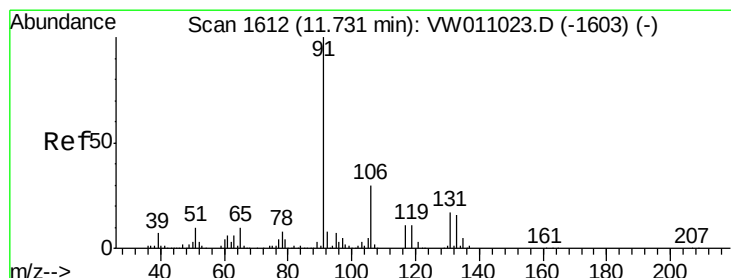
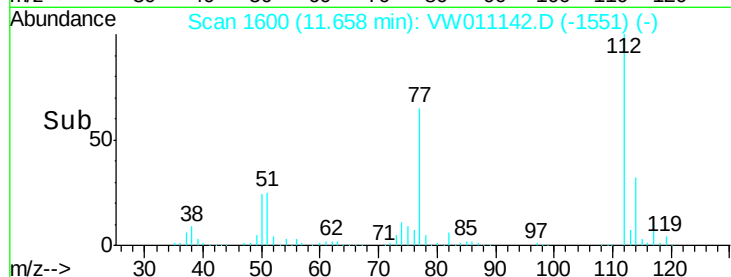
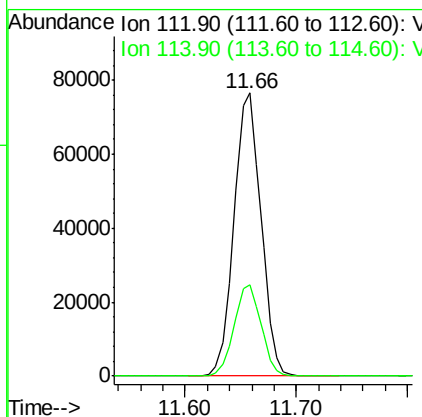
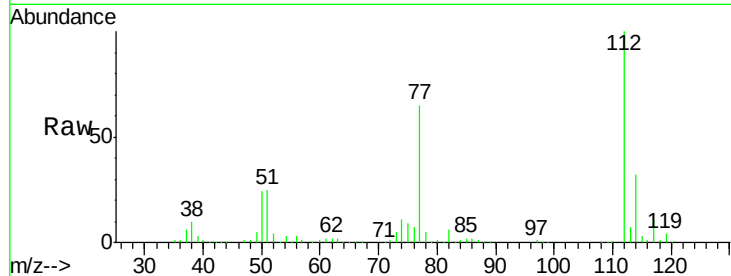
#65
Chlorobenzene
Concen: 19.341 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion:112 Resp: 128411
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8

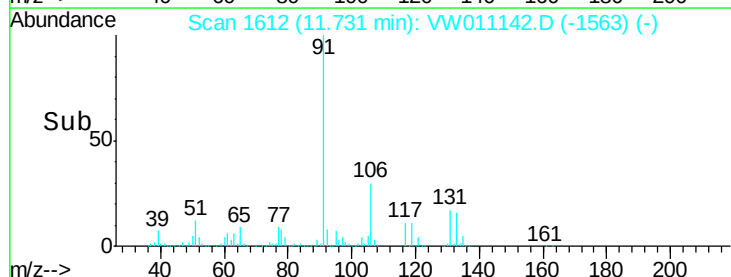
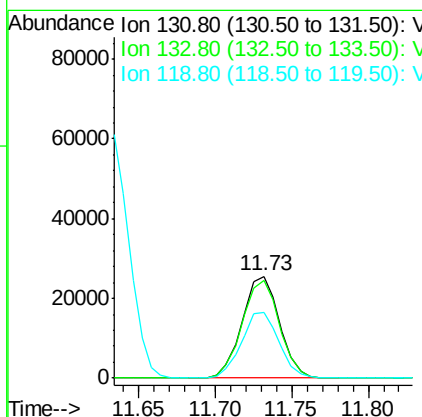
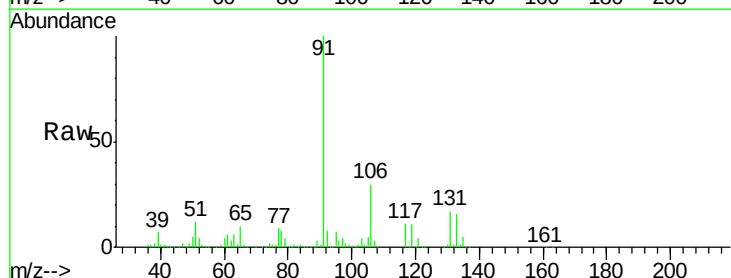
Manual Integrations
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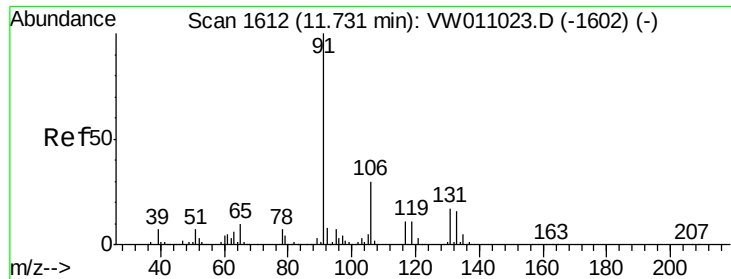
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.270 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion:131 Resp: 43438
Ion Ratio Lower Upper
131 100
133 96.1 47.7 143.1
119 64.8 33.1 99.2





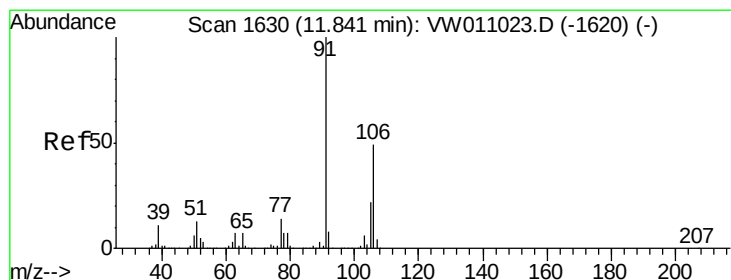
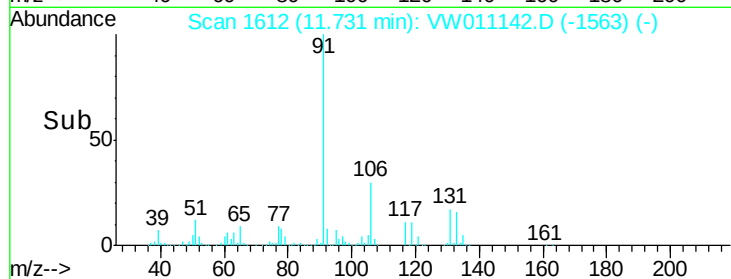
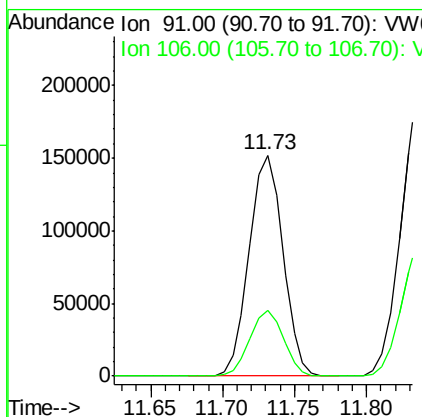
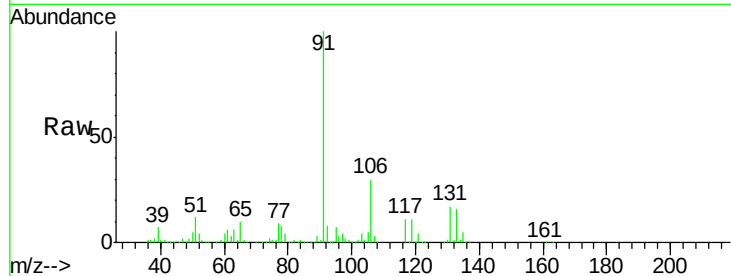
#67
Ethyl Benzene
Concen: 19.498 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion: 91 Resp: 247944
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

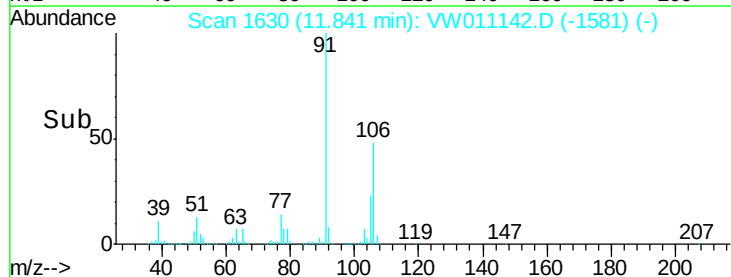
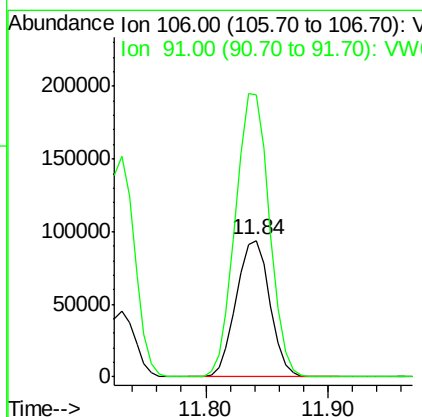
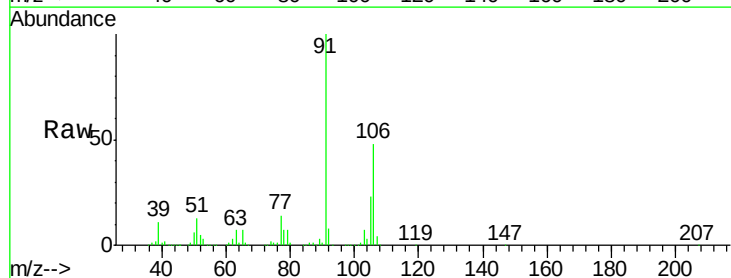
Manual Integrations
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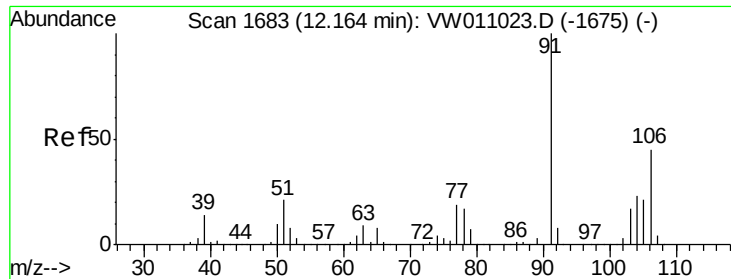
MMDadoda
7/8/2019 9:41:43 AM



#68
m/p-Xylenes
Concen: 38.942 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion: 106 Resp: 179693
Ion Ratio Lower Upper
106 100
91 209.1 167.5 251.3





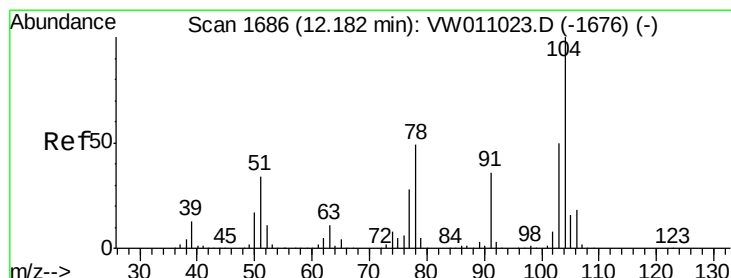
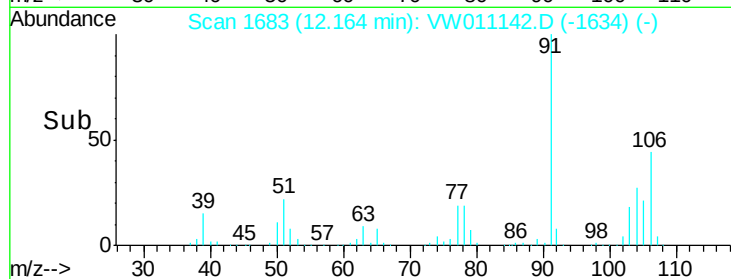
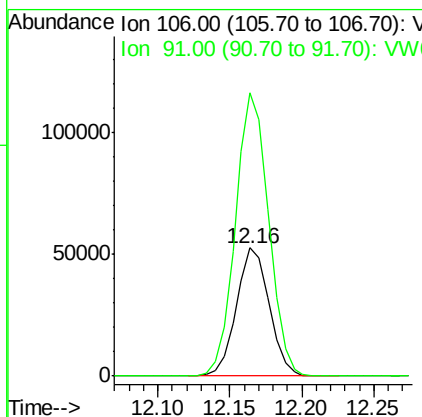
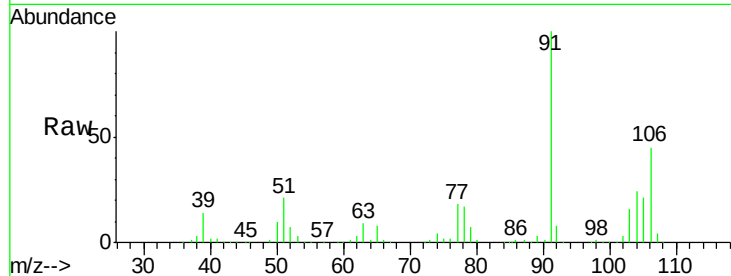
#69
o-Xylene
Concen: 19.425 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion:106 Resp: 83487
Ion Ratio Lower Upper
106 100
91 223.1 110.8 332.3

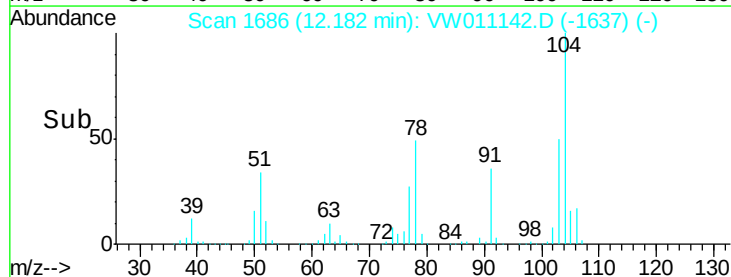
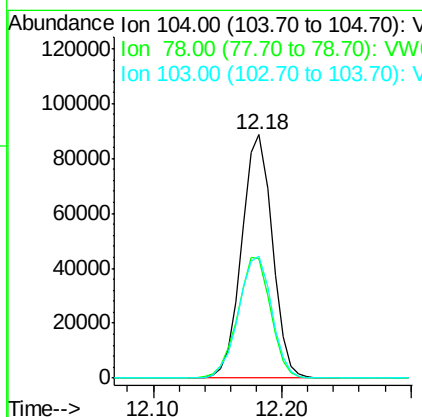
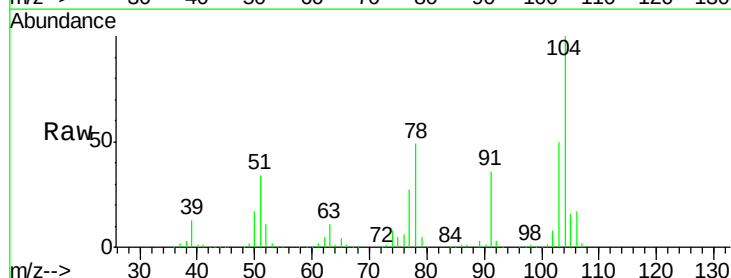
Manual Integrations
APPROVED

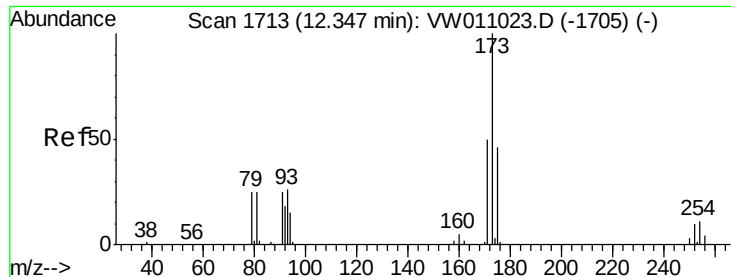
MMDadoda
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#70
Styrene
Concen: 19.448 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion:104 Resp: 145248
Ion Ratio Lower Upper
104 100
78 54.2 43.7 65.5
103 54.5 43.9 65.9





#71

Bromoform

Concen: 18.813 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBSD01

Tot Ion:173 Resp: 20674

Ion Ratio Lower Upper

173 100

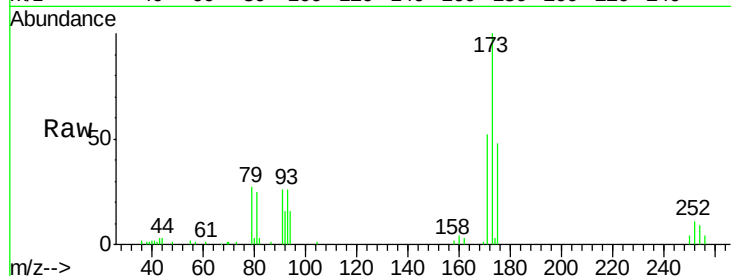
175 47.1 24.1 72.2

254 0.0 0.0 0.0

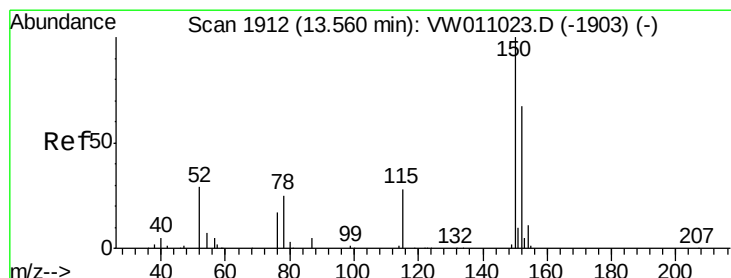
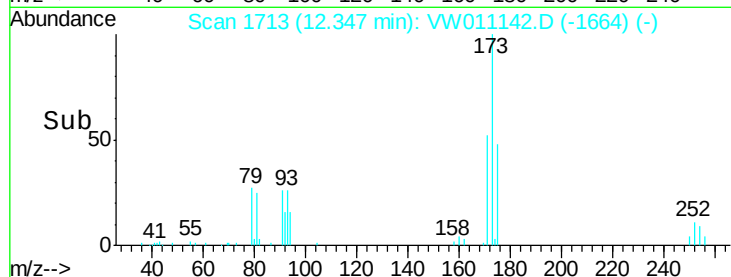
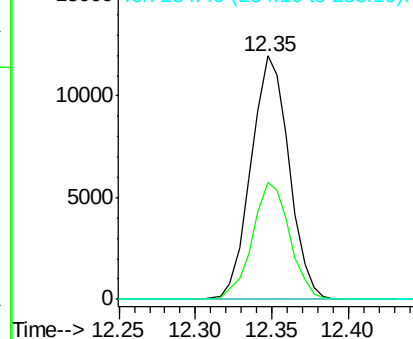
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

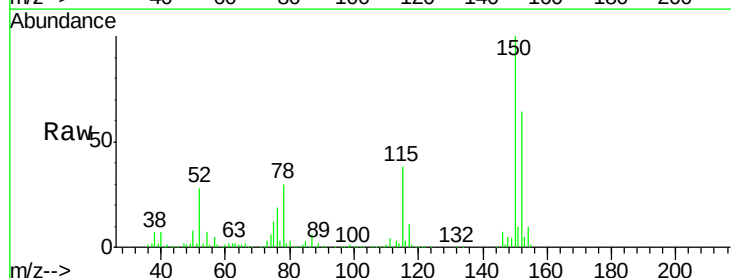
Tgt Ion:152 Resp: 161183

Ion Ratio Lower Upper

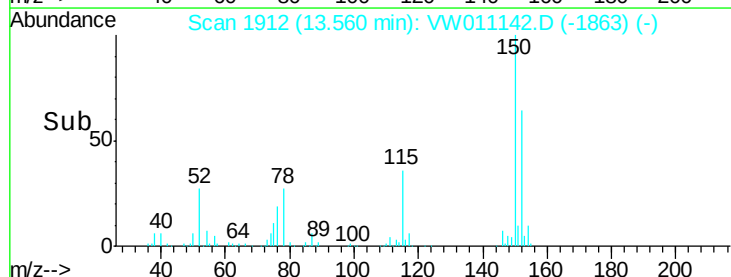
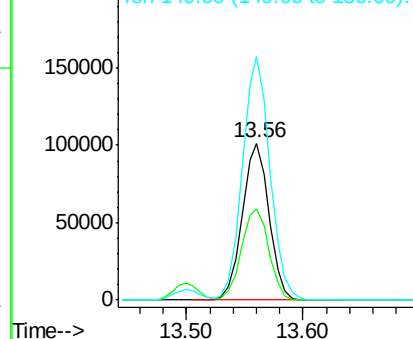
152 100

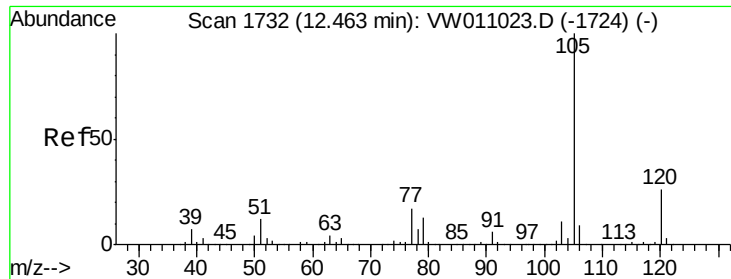
115 59.9 30.7 92.1

150 160.9 0.0 341.8



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





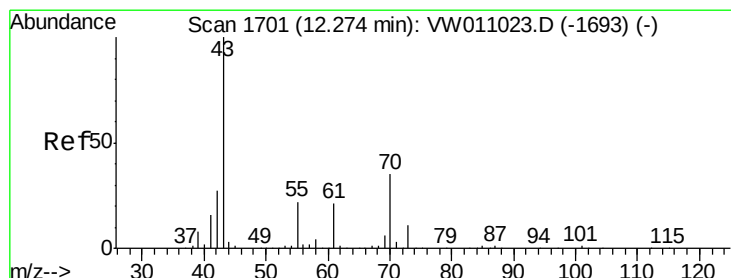
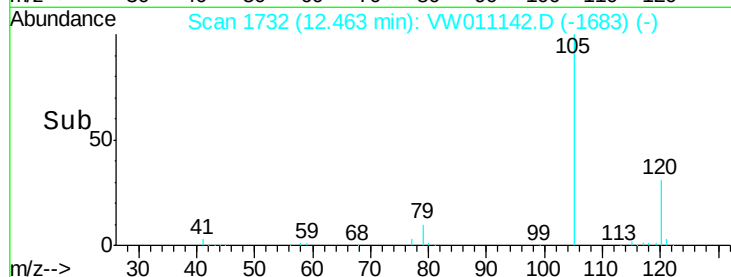
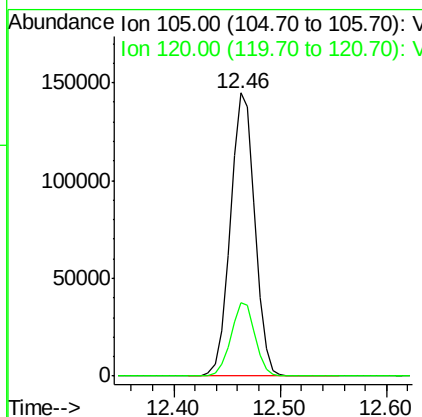
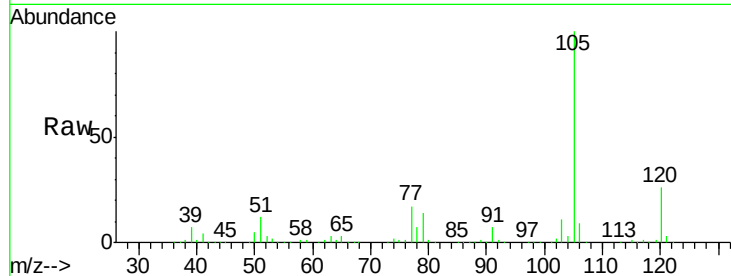
#73
Isopropylbenzene
Concen: 19.245 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.6

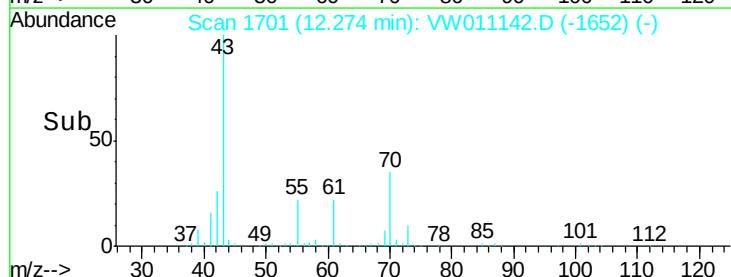
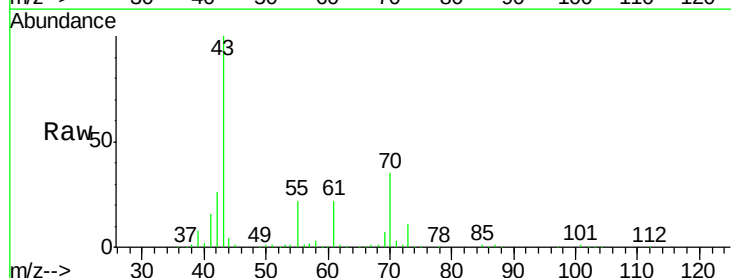
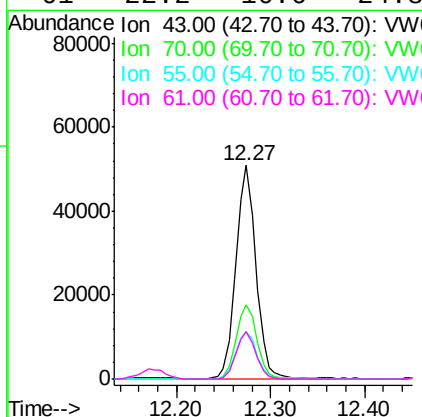
Manual Integrations
APPROVED

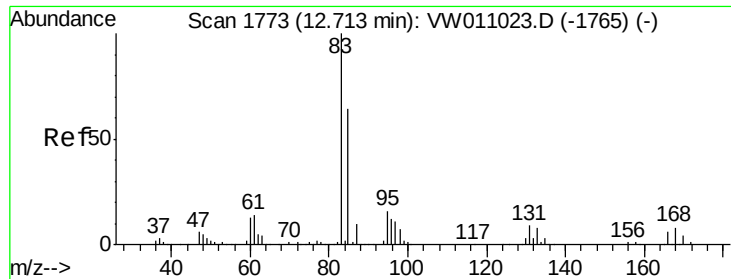
MMDadoda
7/8/2019 9:41:43 AM



#74
N-ethyl acetate
Concen: 18.593 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	35.6	28.2	42.4
55	23.5	17.8	26.8
61	22.2	16.6	24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.163 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

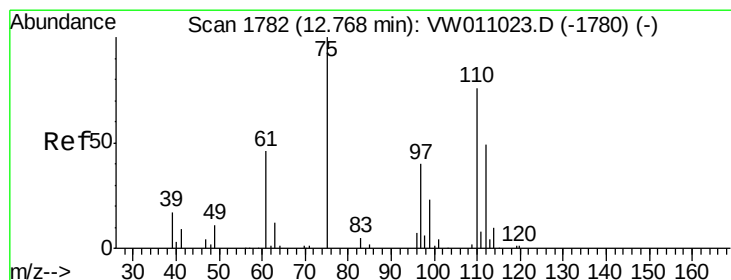
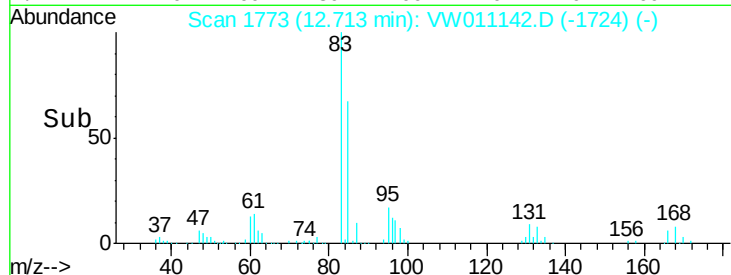
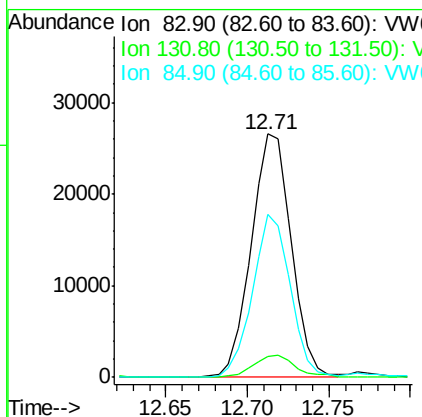
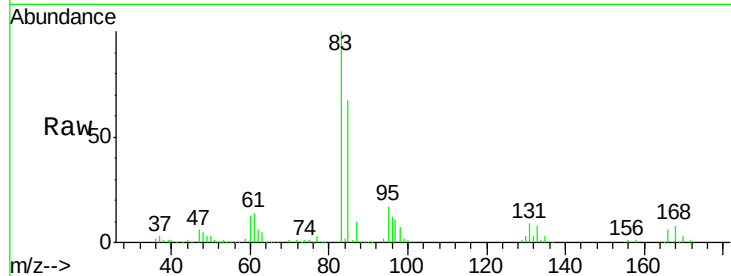
ClientSampled :

VW0704SBSD01

Tot Ion:	83	Resp:	45438
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.0	14.9
85	63.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.716 ug/l m

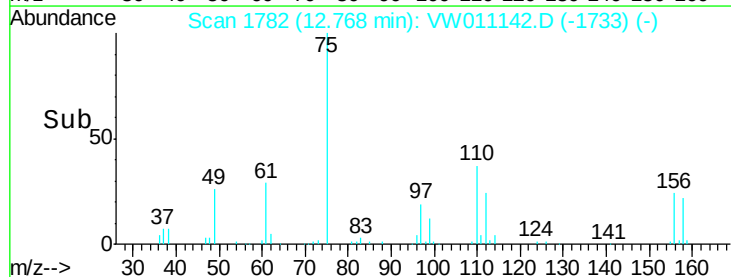
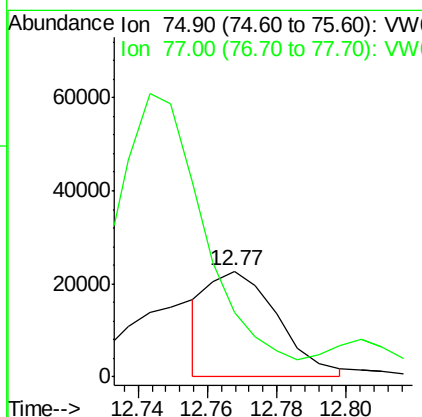
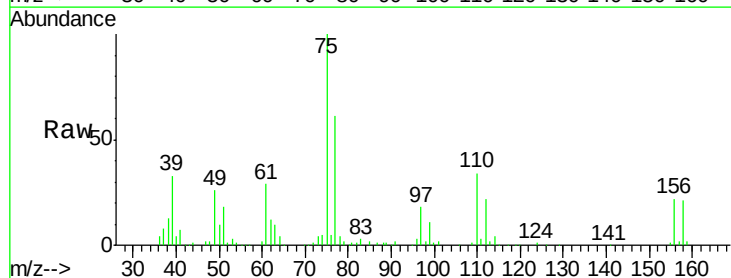
RT: 12.77 min Scan# 1782

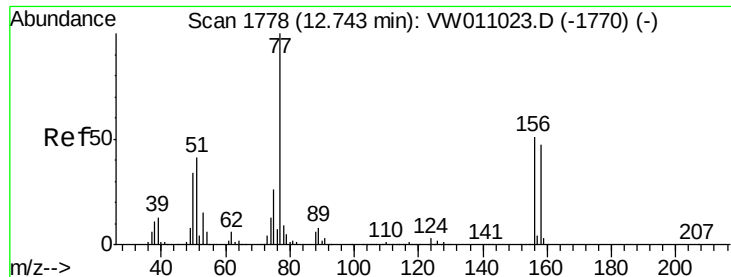
Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion:	75	Resp:	31848
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





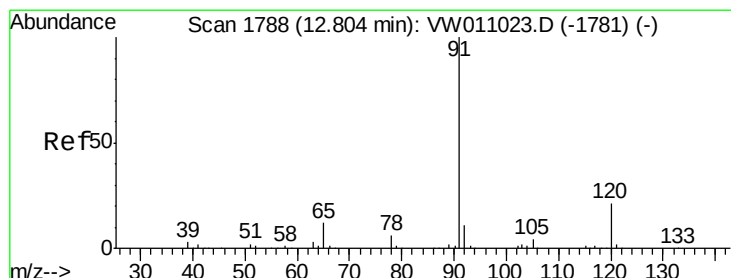
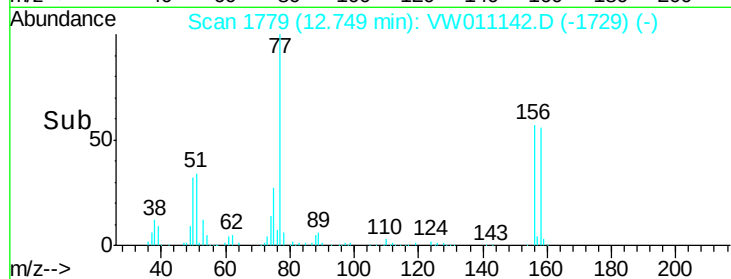
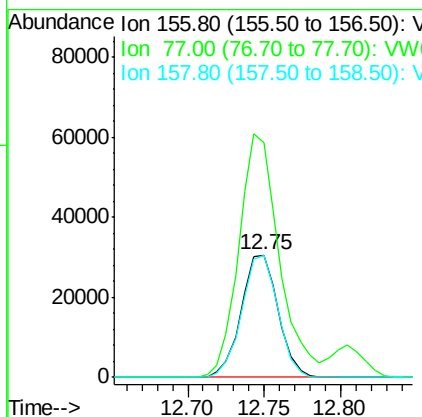
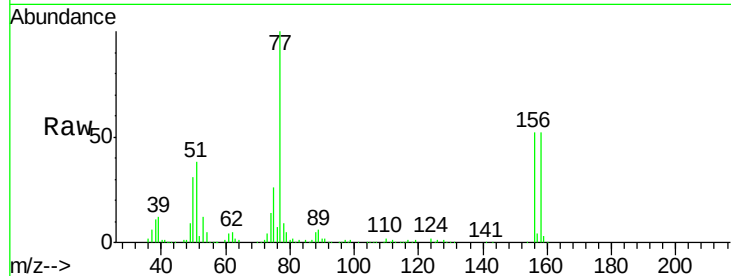
#77
Bromobenzene
Concen: 19.301 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.4	109.5	328.5
158	97.9	48.6	145.9

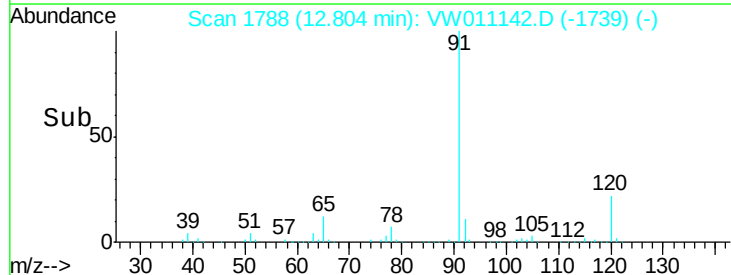
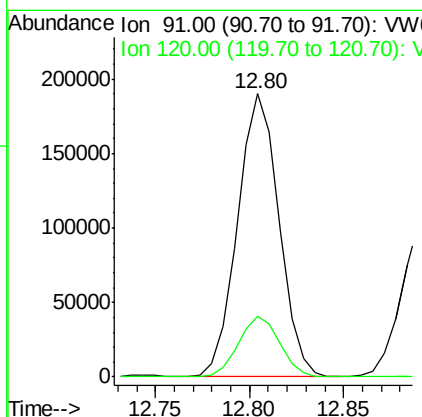
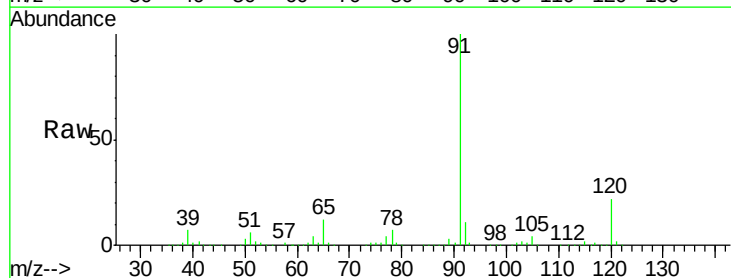
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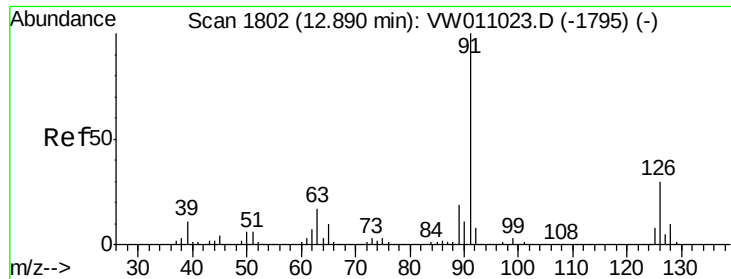
MMDadoda
7/8/2019 9:41:43 AM



#78
n-propylbenzene
Concen: 19.342 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.3	10.5	31.6





#79

2-Chlorotoluene

Concen: 19.271 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBSD01

Tot Ion: 91 Resp: 164627

Ion Ratio Lower Upper

91 100

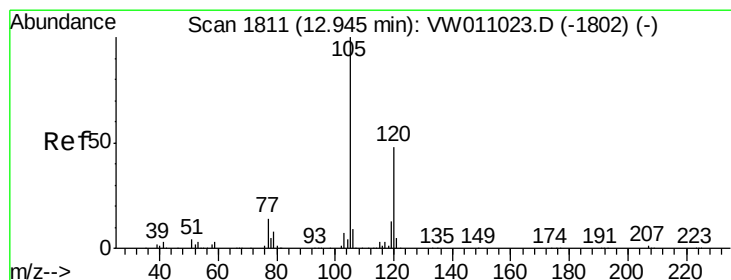
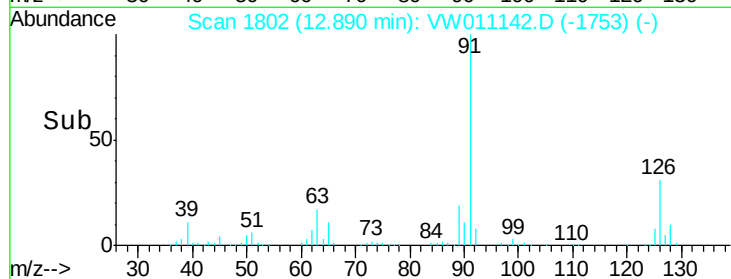
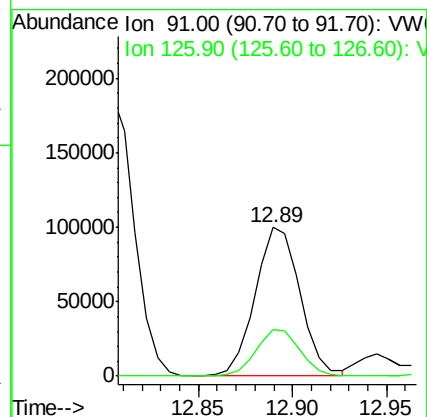
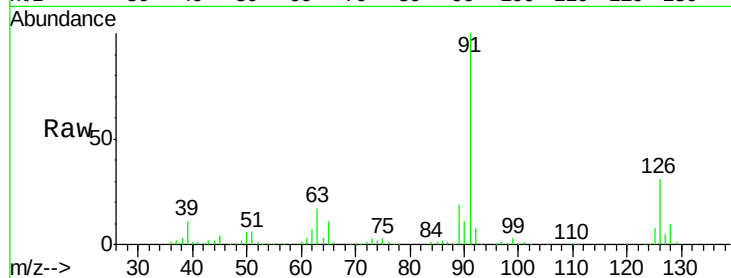
126 31.0 15.4 46.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.376 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW011142.D

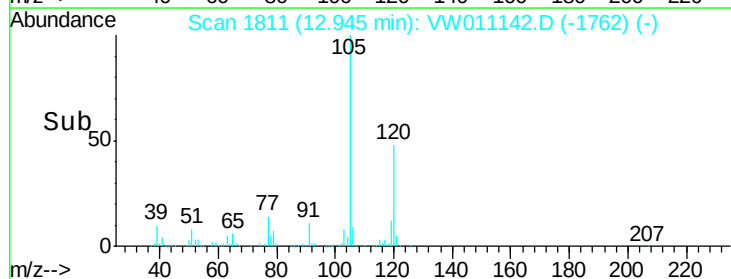
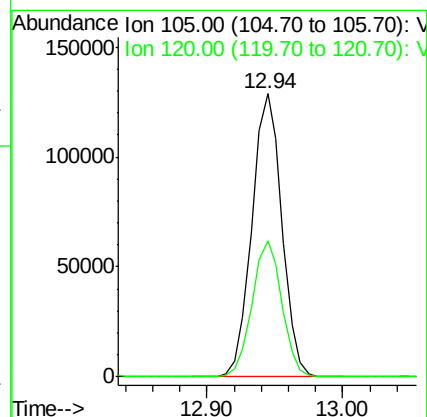
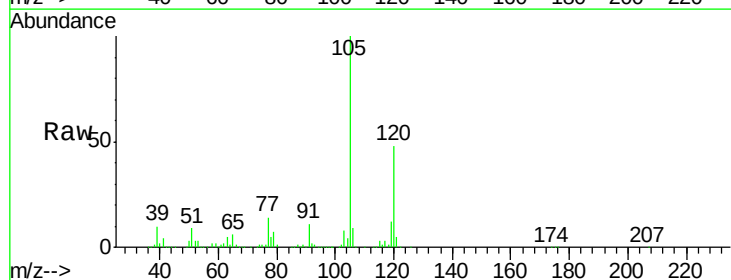
Acq: 03 Jul 2019 16:18

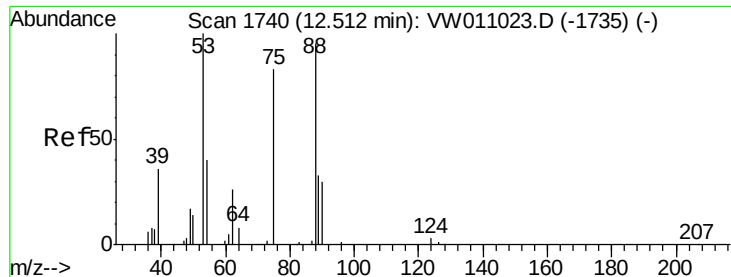
Tgt Ion:105 Resp: 198305

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.5





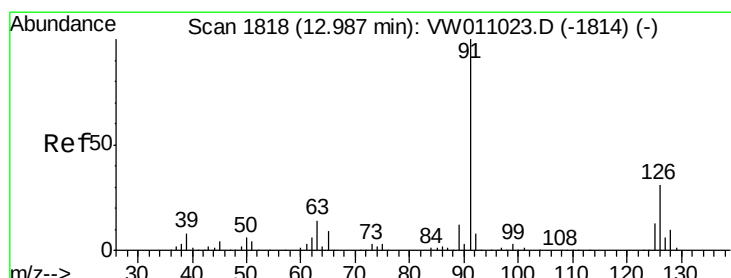
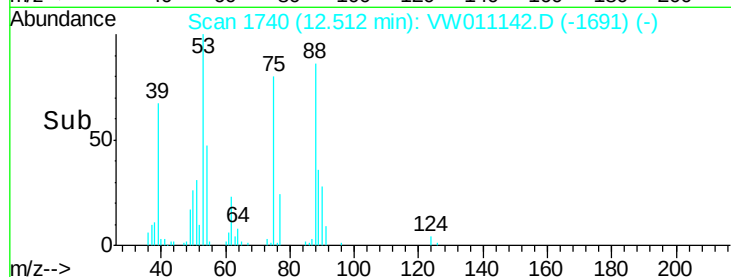
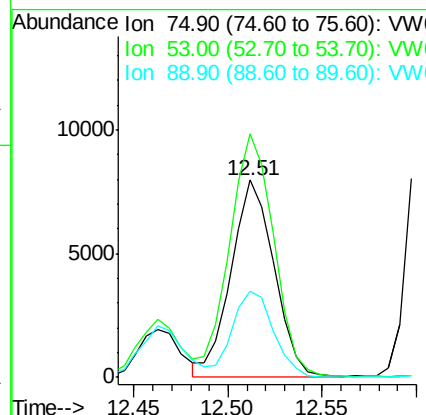
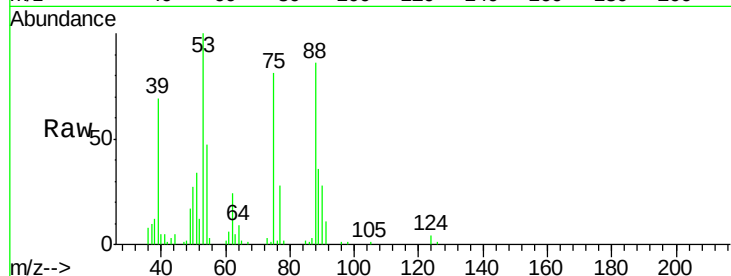
#81
trans-1,4-Dichloro-2-butene
Concen: 18.664 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampled :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.8	95.6	143.4
89	42.0	34.4	51.6

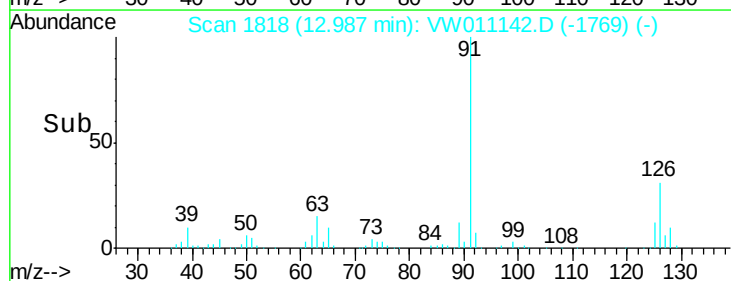
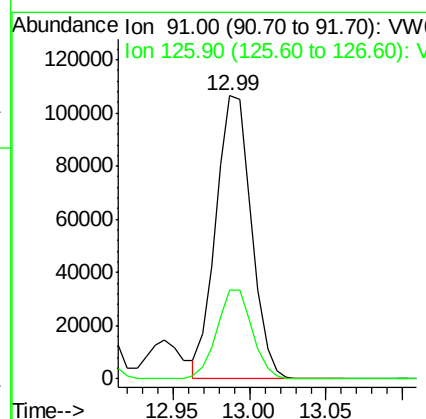
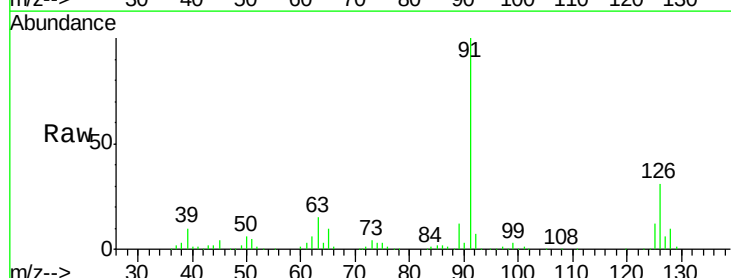
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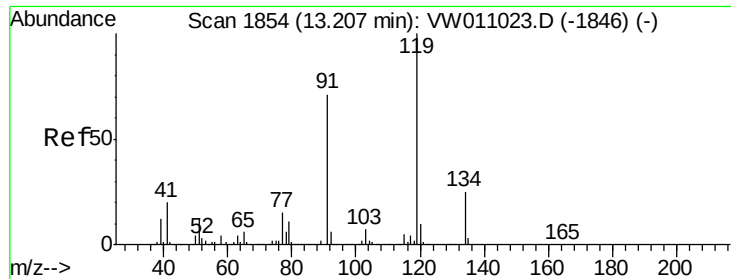
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#82
4-Chlorotoluene
Concen: 19.258 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





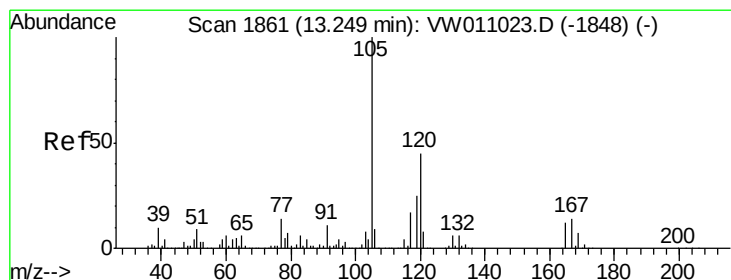
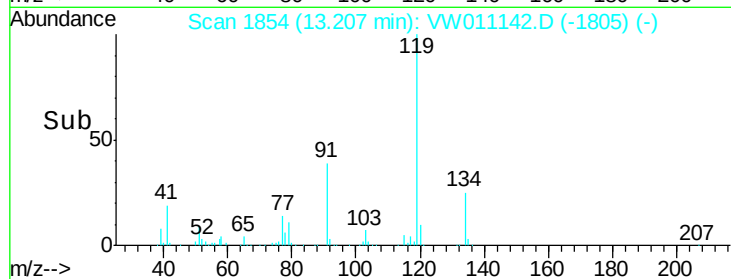
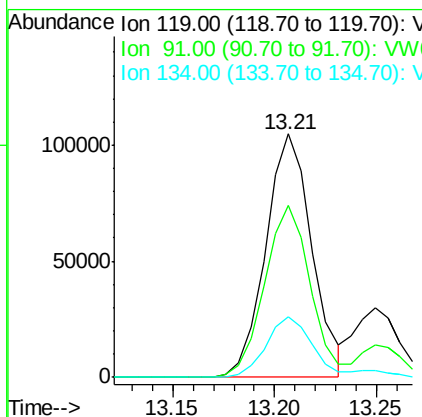
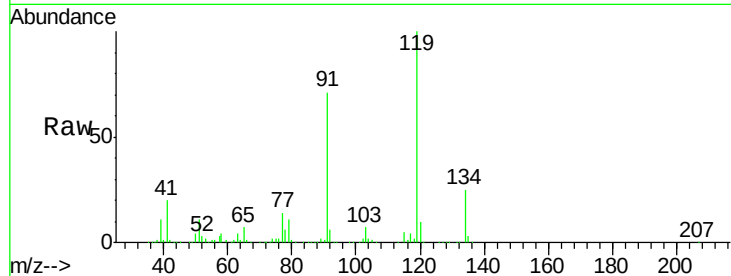
#83
tert-Butylbenzene
Concen: 19.340 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	24.9	12.4	37.2

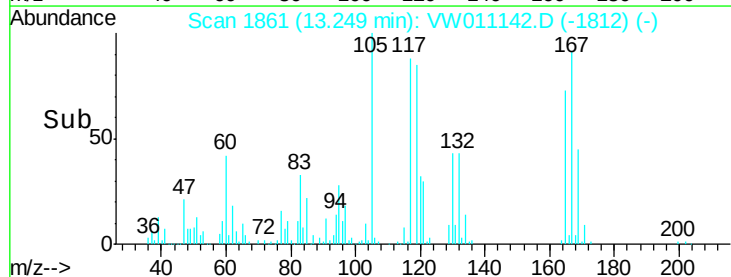
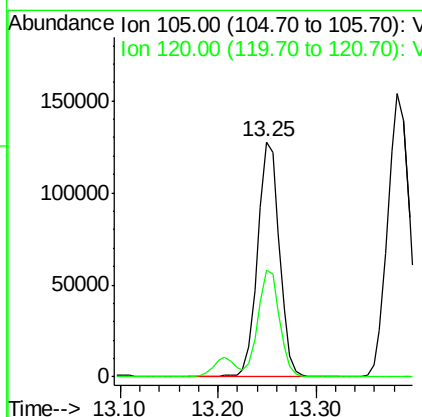
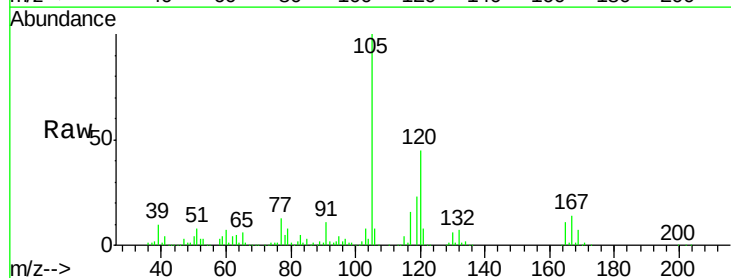
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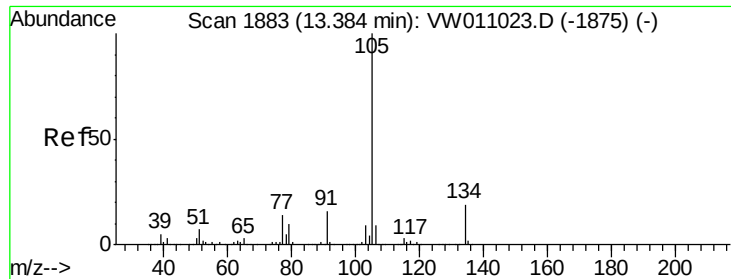
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#84
1,2,4-Trimethylbenzene
Concen: 19.234 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.4	67.2





#85

sec-Butylbenzene

Concen: 19.276 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

ClientSampled :

VW0704SBSD01

Tot Ion:105 Resp: 238982

Ion Ratio Lower Upper

105 100

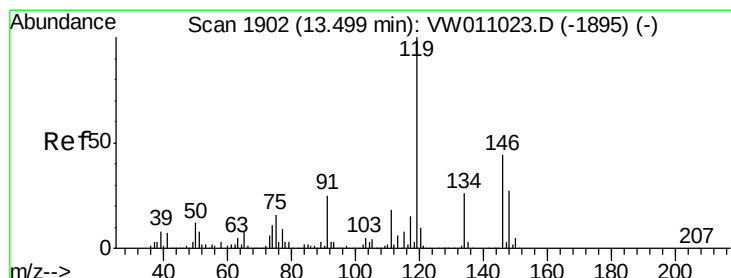
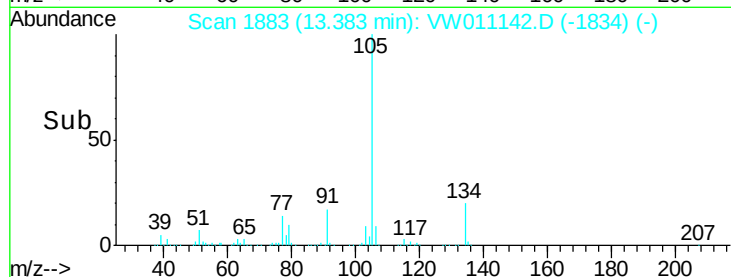
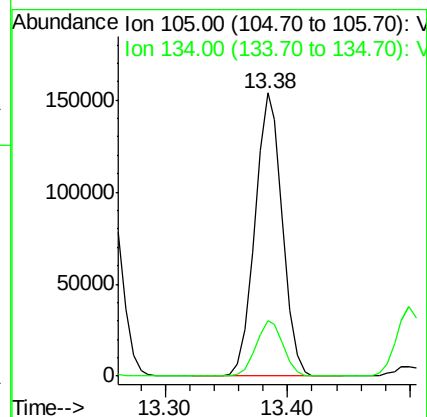
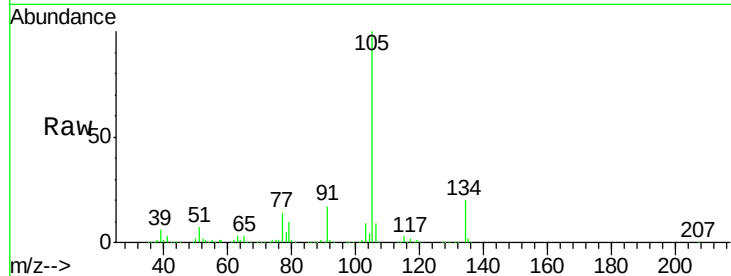
134 19.5 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 19.418 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

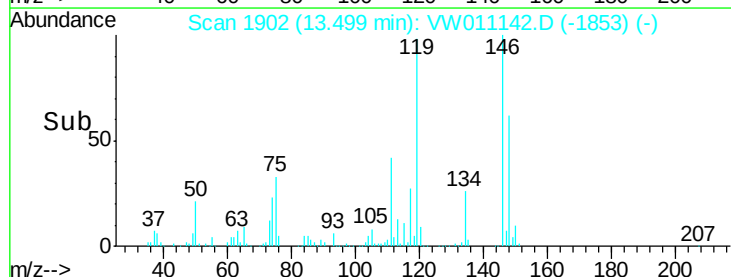
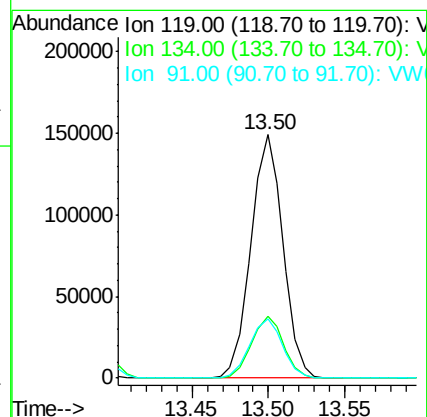
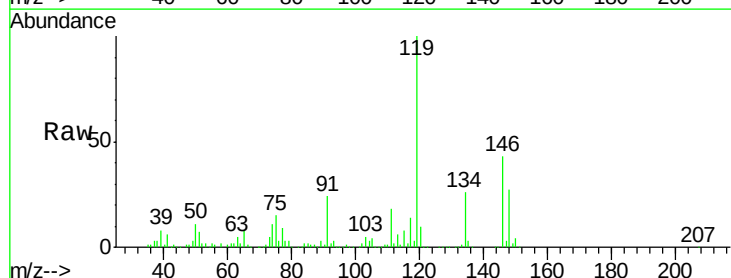
Tgt Ion:119 Resp: 216637

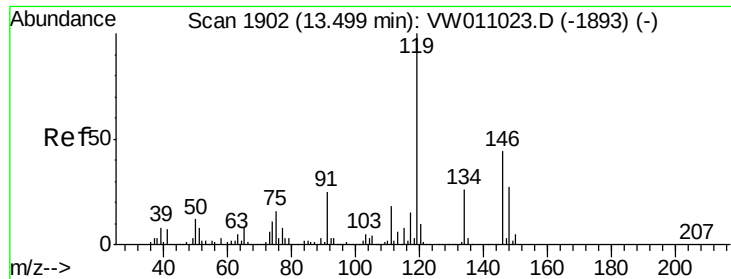
Ion Ratio Lower Upper

119 100

134 25.6 12.9 38.7

91 25.0 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.288 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

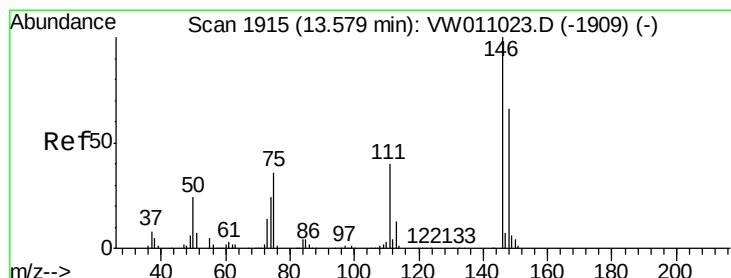
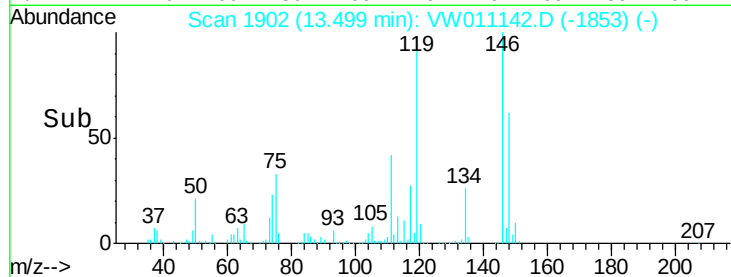
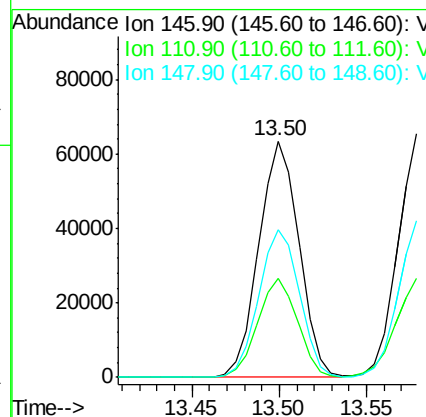
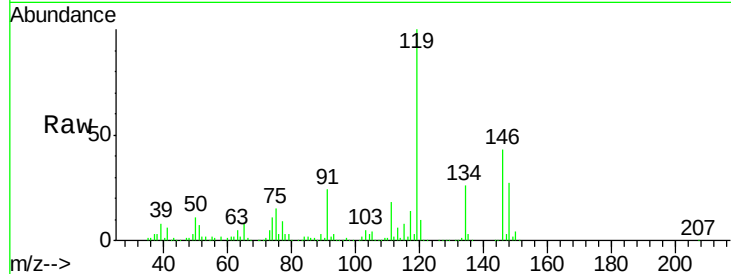
Instrument :
MSVOA_W

ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.9	62.8
148	63.4	31.8	95.4

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#88

1,4-Dichlorobenzene

Concen: 19.331 ug/l

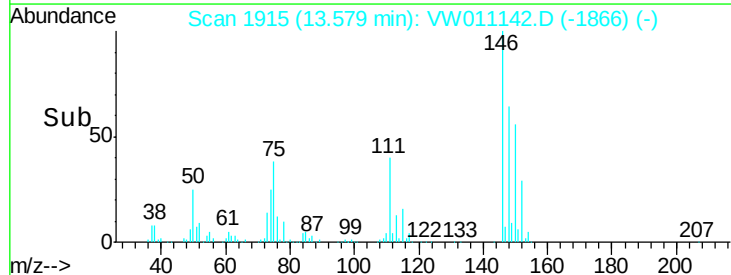
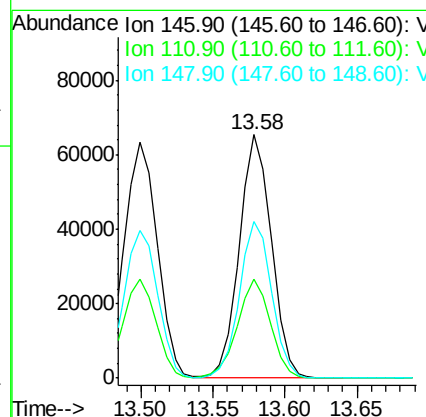
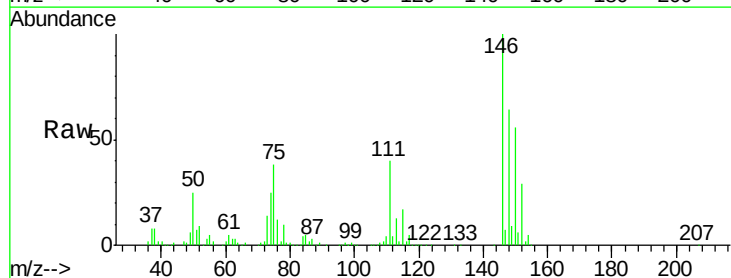
RT: 13.58 min Scan# 1915

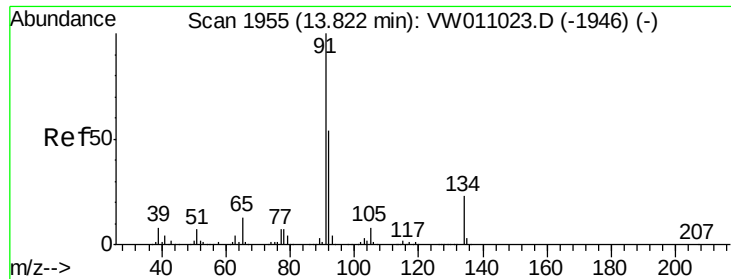
Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.6	61.9
148	64.8	32.4	97.2





#89

n-Butylbenzene

Concen: 19.223 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Instrument :

MSVOA_W

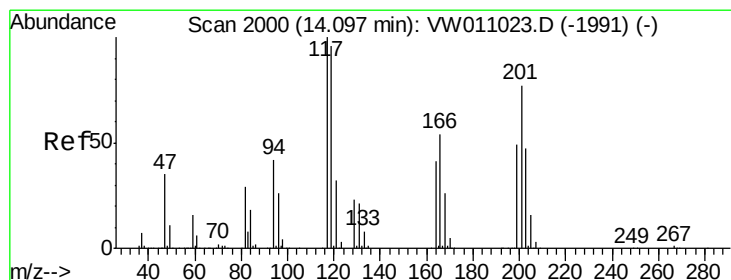
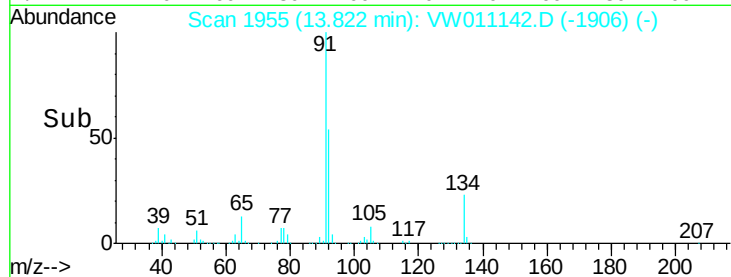
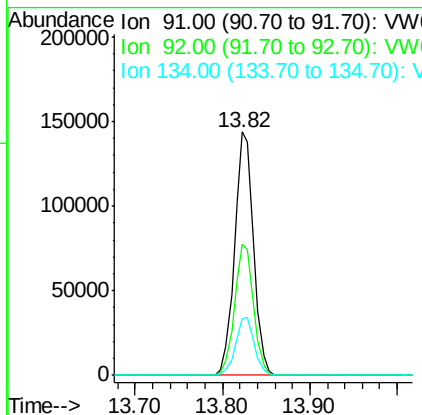
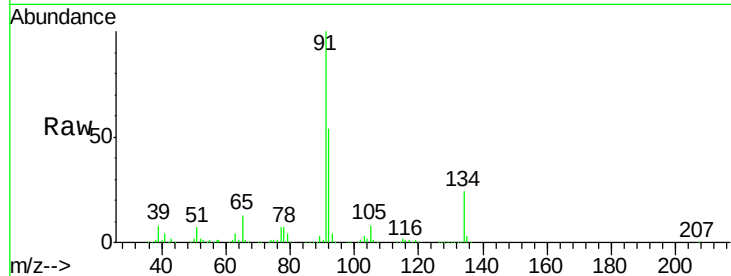
ClientSampleId :

VW0704SBS01

Tot Ion:	91	Resp:	217979
Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.1	81.2
134	23.8	12.0	36.1

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#90

Hexachloroethane

Concen: 18.377 ug/l

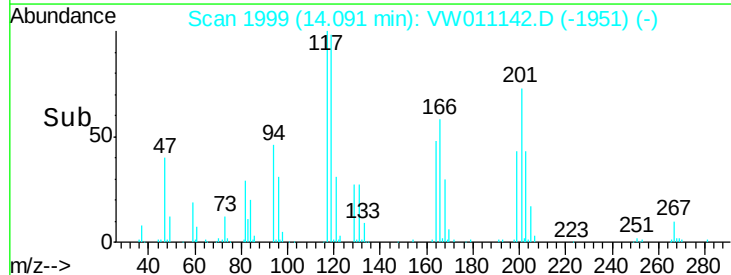
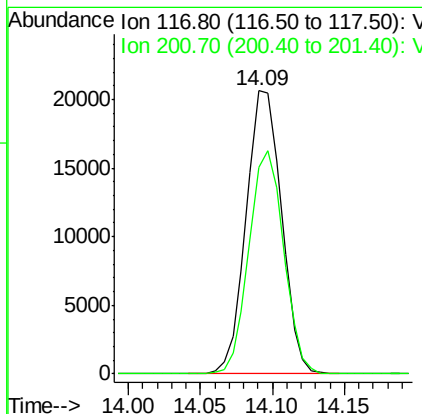
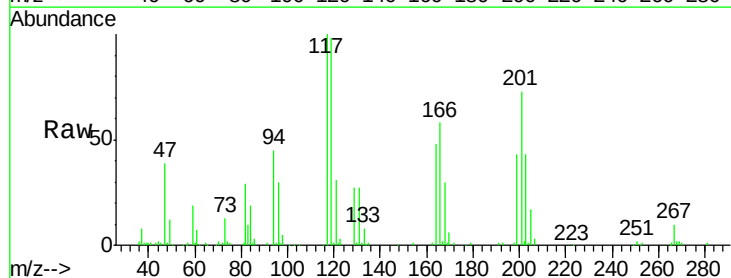
RT: 14.09 min Scan# 1999

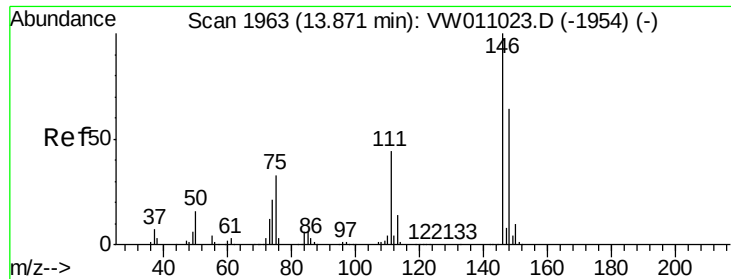
Delta R.T. -0.01 min

Lab File: VW011142.D

Acq: 03 Jul 2019 16:18

Tgt Ion:	117	Resp:	35080
Ion	Ratio	Lower	Upper
117	100		
201	77.2	38.0	114.0





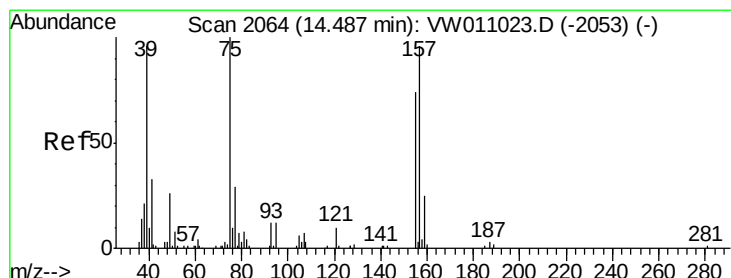
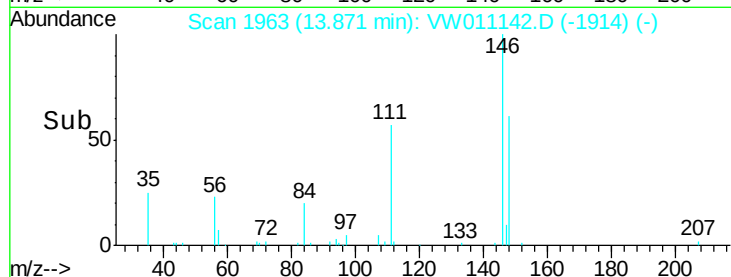
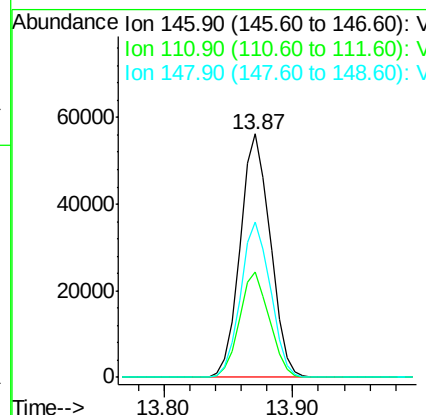
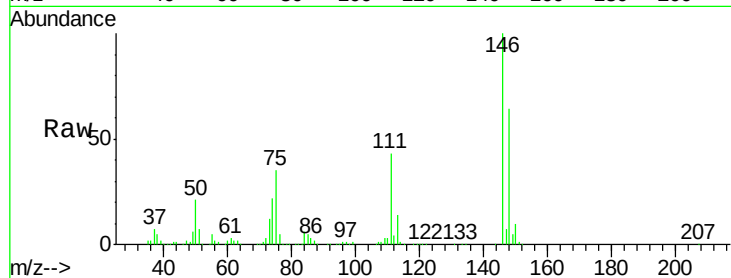
#91
 1,2-Dichlorobenzene
 Concen: 19.315 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	63.2	31.8	95.3

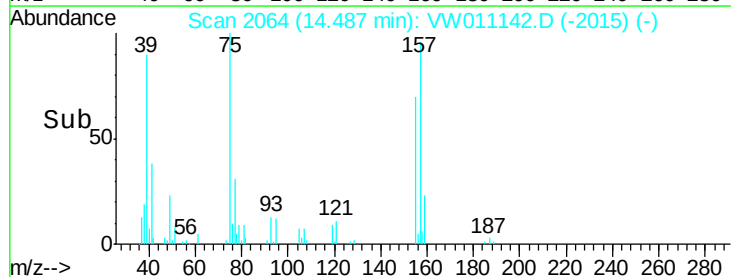
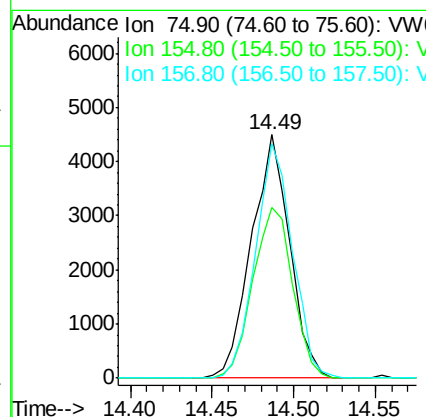
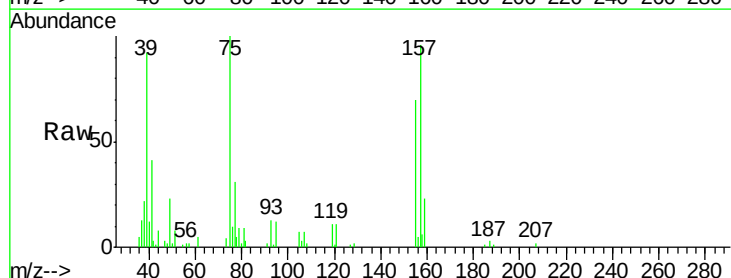
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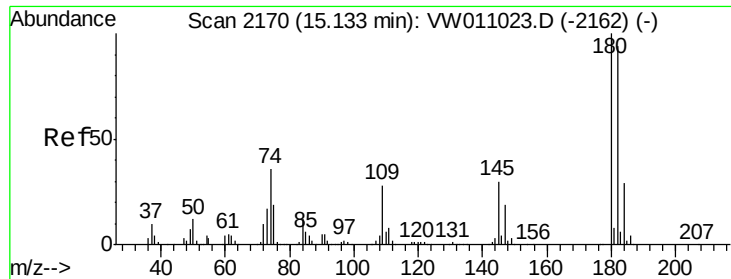
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.259 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011142.D
 Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	37.0	110.9
157	93.1	45.9	137.7





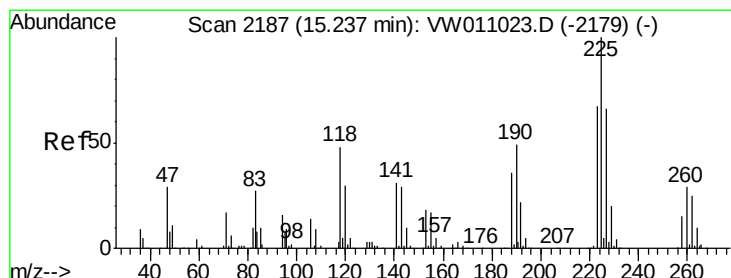
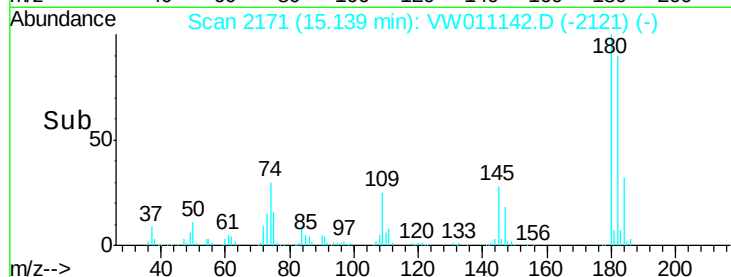
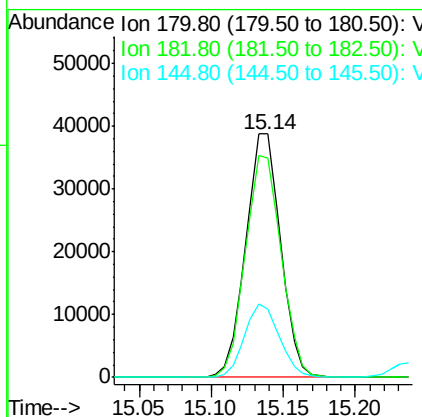
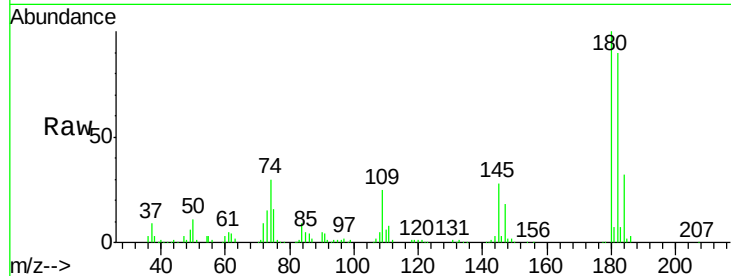
#93
1,2,4-Trichlorobenzene
Concen: 19.578 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.01 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.4	142.2
145	30.1	15.3	45.8

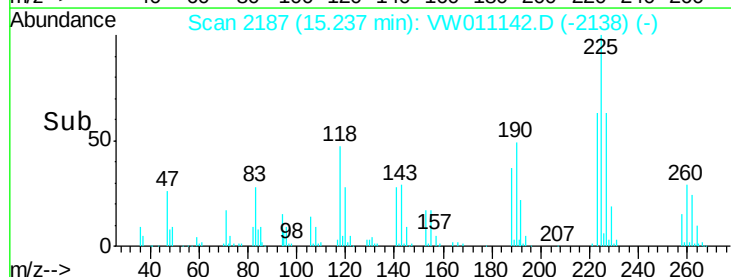
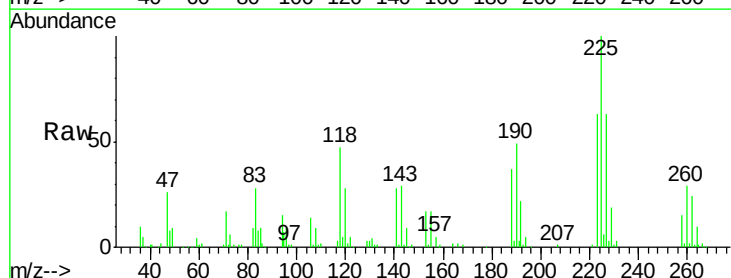
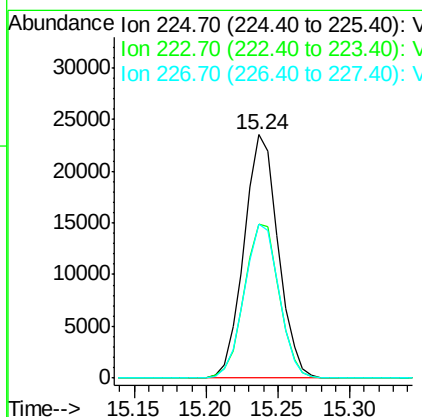
Manual Integrations
APPROVED

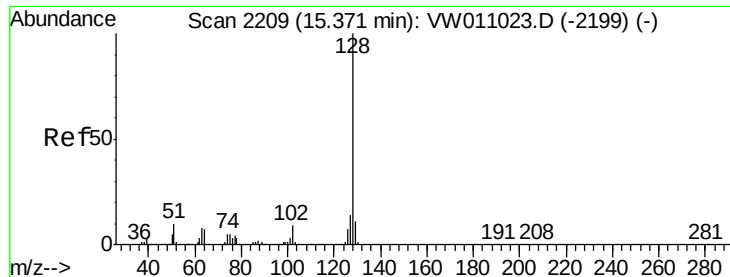
MMDadoda
7/8/2019 9:41:43 AM



#94
Hexachlorobutadiene
Concen: 19.152 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.9	95.9
227	64.0	31.9	95.9





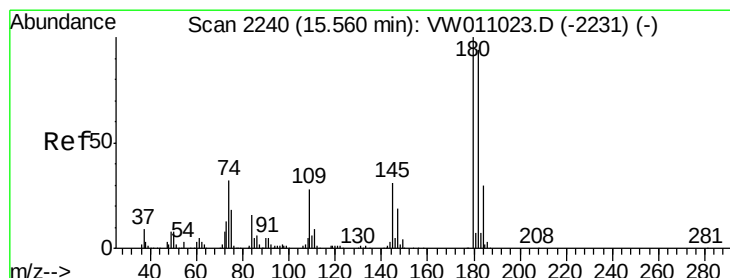
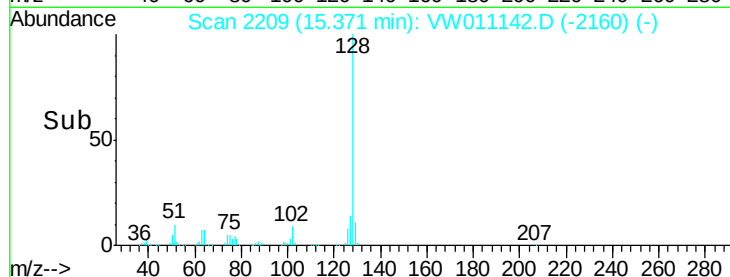
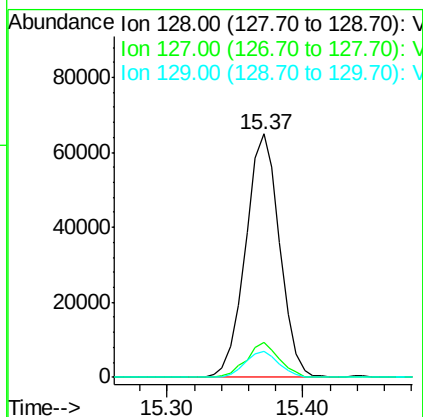
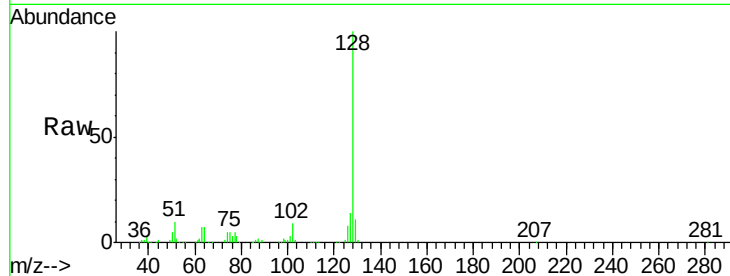
#95
Naphthalene
Concen: 18.270 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	113855		
127	13.9		10.7	16.1
129	10.7		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/8/2019 9:41:43 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.909 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011142.D
Acq: 03 Jul 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56016		
182	96.5		47.9	143.7
145	32.1		16.1	48.2

