

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071219\
 Data File : VW011221.D
 Acq On : 11 Jul 2019 11:35
 Operator : SY/VA
 Sample : VW0712SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/15/2019 2:05:55 PM

Quant Time: Jul 12 08:51:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	228602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	370737	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	324256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	127257	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
35) Dibromofluoromethane	7.88	113	102007	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.32	98	423776	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
62) 4-Bromofluorobenzene	12.62	95	152812	46.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32827	19.254	ug/l	98
3) Chloromethane	2.21	50	41763	19.010	ug/l	98
4) Vinyl Chloride	2.35	62	54504	18.955	ug/l	97
5) Bromomethane	2.77	94	26998	18.685	ug/l	92
6) Chloroethane	2.91	64	28327	18.290	ug/l	96
7) Trichlorofluoromethane	3.24	101	17434	17.067	ug/l	96
8) Diethyl Ether	3.68	74	24268	17.170	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46555	19.027	ug/l	98
10) Methyl Iodide	4.27	142	58997	17.531	ug/l	99
11) Tert butyl alcohol	5.17	59	16371	76.979	ug/l #	88
12) 1,1-Dichloroethene	4.04	96	46665	18.375	ug/l	95
13) Acrolein	3.89	56	12375	73.075	ug/l	100
14) Allyl chloride	4.66	41	85773	18.522	ug/l	99
15) Acrylonitrile	5.36	53	60503	84.052	ug/l	99
16) Acetone	4.12	43	60421	87.421	ug/l	99
17) Carbon Disulfide	4.38	76	129960	16.880	ug/l	99
18) Methyl Acetate	4.67	43	39412	19.182	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	66955	17.376	ug/l	97
20) Methylene Chloride	4.91	84	51730	18.973	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	47712	18.081	ug/l	97
22) Diisopropyl ether	6.31	45	181998	18.272	ug/l	99
23) Vinyl Acetate	6.25	43	504917	81.912	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95058	18.174	ug/l	99
25) 2-Butanone	7.17	43	87595	80.739	ug/l	97
26) 2,2-Dichloropropane	7.17	77	49397	18.169	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	51628	18.137	ug/l	98
28) Bromochloromethane	7.51	49	43968	18.488	ug/l	99
29) Tetrahydrofuran	7.52	42	57144	80.327	ug/l	100
30) Chloroform	7.67	83	86688	17.897	ug/l	99
31) Cyclohexane	7.95	56	100979	18.148	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	66219	17.972	ug/l	99
36) 1,1-Dichloropropene	8.07	75	74002	18.744	ug/l	99
37) Ethyl Acetate	7.25	43	39221	16.535	ug/l	99
38) Carbon Tetrachloride	8.06	117	60383	18.042	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	88886	18.575	ug/l	99
40) Benzene	8.32	78	202363	18.547	ug/l	99
41) Methacrylonitrile	7.48	41	25067	18.477	ug/l	93
42) 1,2-Dichloroethane	8.40	62	63743	18.010	ug/l	100
43) Isopropyl Acetate	8.42	43	73574	16.429	ug/l	98
44) Trichloroethene	9.09	130	48635	18.524	ug/l	98
45) 1,2-Dichloropropane	9.37	63	53317	18.045	ug/l	97
46) Dibromomethane	9.46	93	24025	17.310	ug/l	99
47) Bromodichloromethane	9.64	83	62678	17.650	ug/l	98
48) Methyl methacrylate	9.43	41	35376	16.419	ug/l	97
49) 1,4-Dioxane	9.45	88	8196	353.782	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	191860	82.012	ug/l	99
52) Toluene	10.38	92	122669	18.534	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	63778	16.872	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	77626	17.447	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35307	17.932	ug/l	97
56) Ethyl methacrylate	10.65	69	50296	16.778	ug/l	99
57) 1,3-Dichloropropane	10.93	76	65593	17.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	132768	95.534	ug/l	99
59) 2-Hexanone	10.97	43	131918	81.311	ug/l	100
60) Dibromochloromethane	11.13	129	36814	17.050	ug/l	99
61) 1,2-Dibromoethane	11.23	107	31901	17.104	ug/l	98
64) Tetrachloroethene	10.86	164	41094	18.781	ug/l	97
65) Chlorobenzene	11.66	112	123887	18.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	41888	18.046	ug/l	99
67) Ethyl Benzene	11.73	91	237178	18.793	ug/l	98
68) m/p-Xylenes	11.84	106	171875	37.638	ug/l	99
69) o-Xylene	12.16	106	79946	18.574	ug/l	99
70) Styrene	12.18	104	138814	18.688	ug/l	99
71) Bromoform	12.35	173	19318	15.653	ug/l #	99
73) Isopropylbenzene	12.46	105	225705	18.918	ug/l	100
74) N-amyl acetate	12.27	43	70596	16.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41387	16.923	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	28364m	15.379	ug/l	
77) Bromobenzene	12.75	156	48768	18.214	ug/l	98
78) n-propylbenzene	12.80	91	279469	19.016	ug/l	100
79) 2-Chlorotoluene	12.89	91	157711	18.648	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	190494	18.794	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	11819	14.494	ug/l	92
82) 4-Chlorotoluene	12.99	91	165860	18.829	ug/l	100
83) tert-Butylbenzene	13.21	119	161795	19.140	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	192199	18.885	ug/l	99
85) sec-Butylbenzene	13.38	105	233459	19.140	ug/l	100
86) p-Isopropyltoluene	13.50	119	207933	19.007	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	98680	19.156	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	96794	18.660	ug/l	97
89) n-Butylbenzene	13.82	91	211334	19.364	ug/l	100
90) Hexachloroethane	14.10	117	35283	17.649	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	86105	18.424	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6672	15.381	ug/l	100

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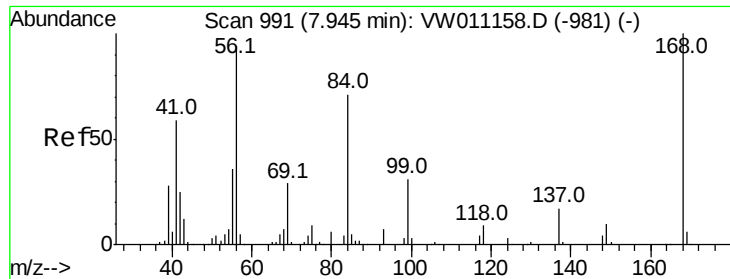
Manual Integrations
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QLast Update : Thu Jul 11 08:14:17 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62543	19.430	ug/l	98
94) Hexachlorobutadiene	15.24	225	38774	19.620	ug/l	98
95) Naphthalene	15.37	128	107118	17.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	54517	19.190	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion:168 Resp: 228602

Ion Ratio Lower Upper

168 100

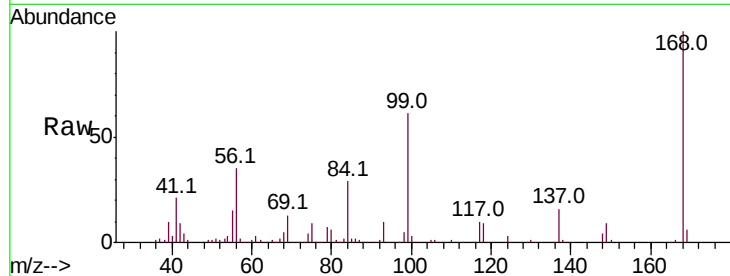
99 60.7 50.1 75.1

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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

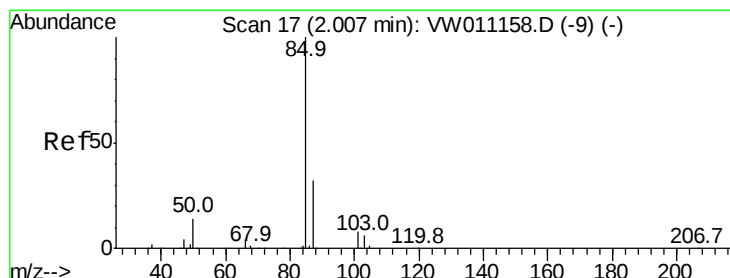
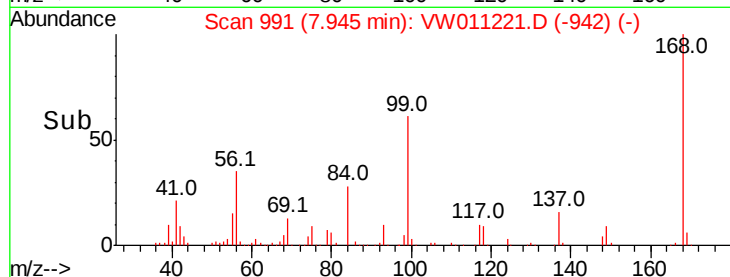
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.254 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011221.D

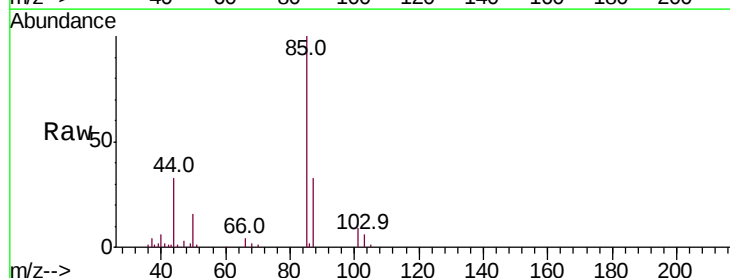
Acq: 11 Jul 2019 11:35

Tgt Ion: 85 Resp: 32827

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

12000

10000

8000

6000

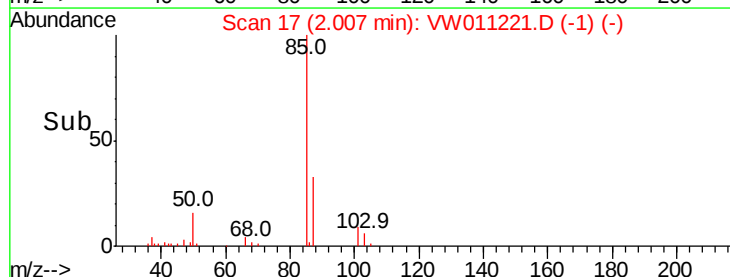
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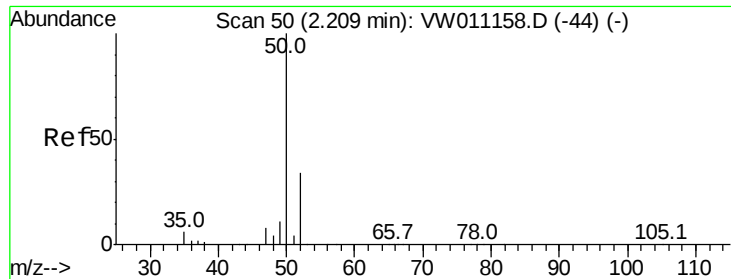
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 19.010 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion: 50 Resp: 41763

Ion Ratio Lower Upper

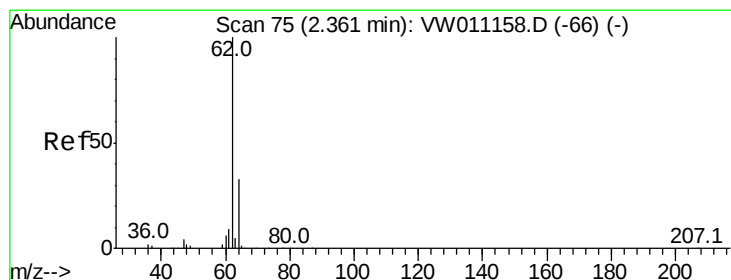
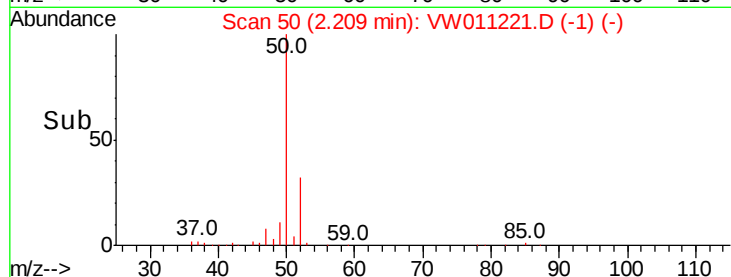
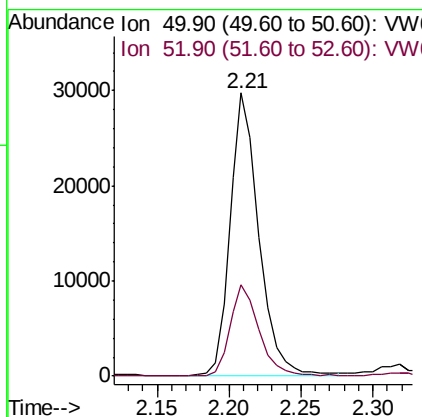
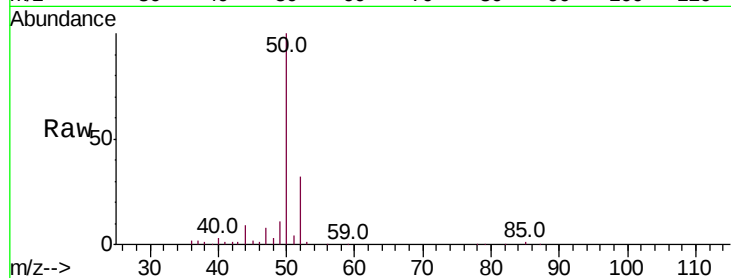
50 100

52 32.4 26.9 40.3

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#4

Vinyl Chloride

Concen: 18.955 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011221.D

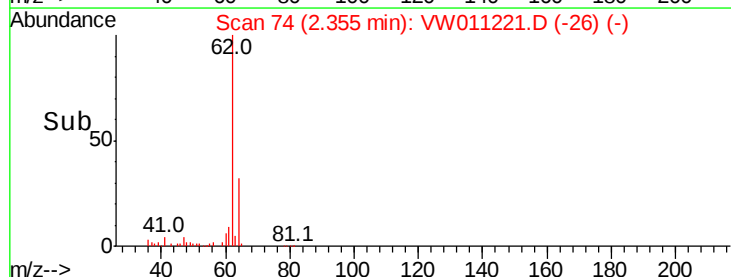
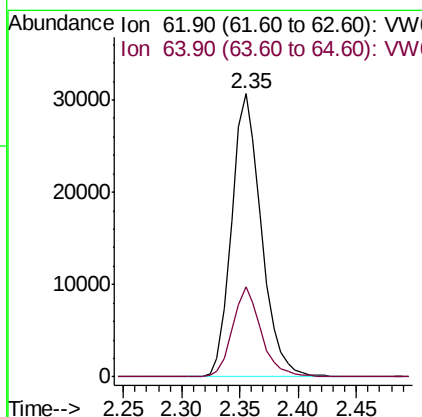
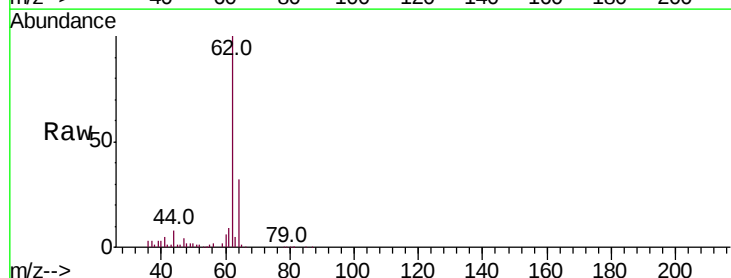
Acq: 11 Jul 2019 11:35

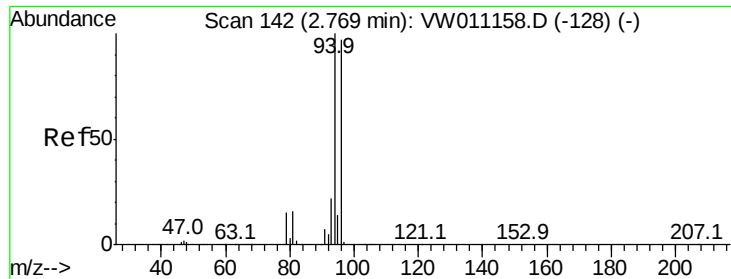
Tgt Ion: 62 Resp: 54504

Ion Ratio Lower Upper

62 100

64 31.6 26.6 40.0





#5

Bromomethane

Concen: 18.685 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion: 94 Resp: 26998

Ion Ratio Lower Upper

94 100

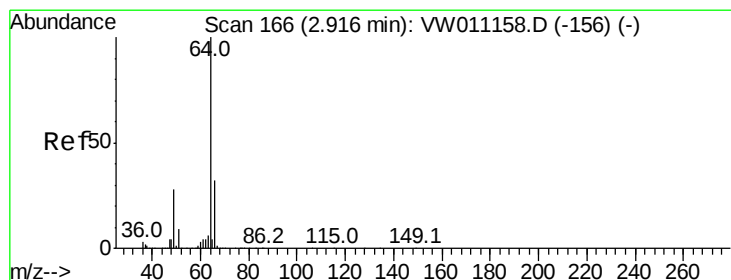
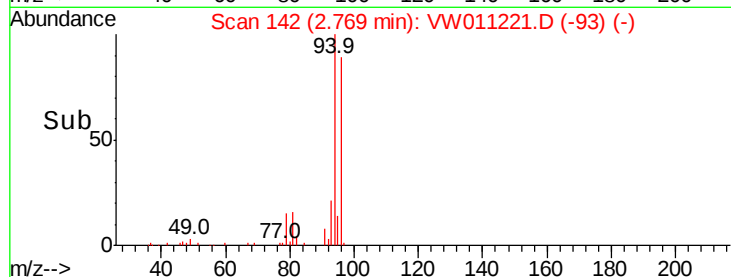
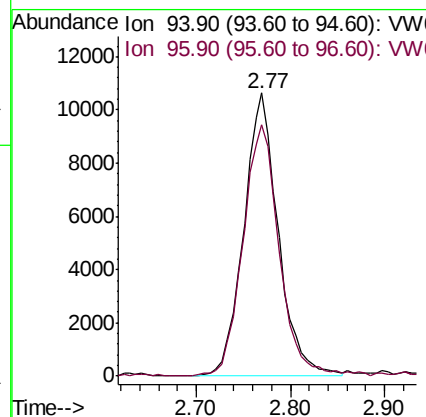
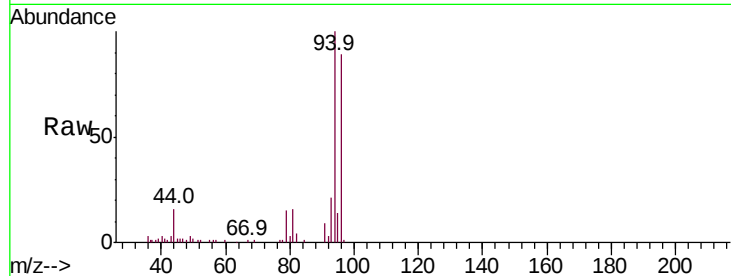
96 88.8 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 18.290 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW011221.D

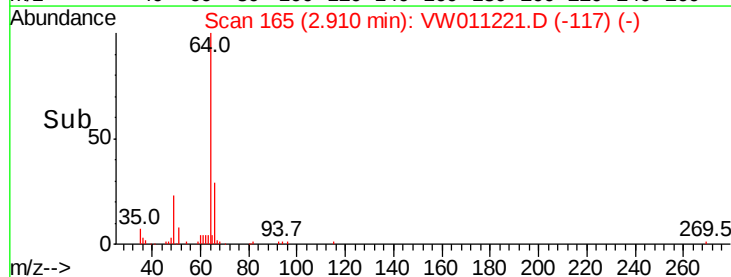
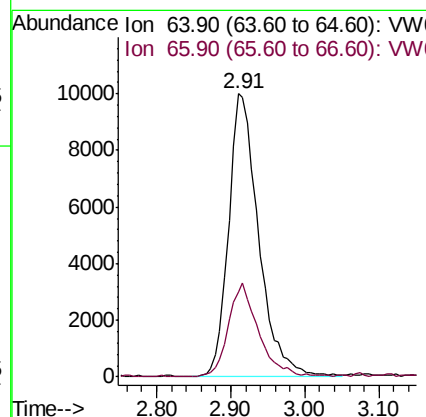
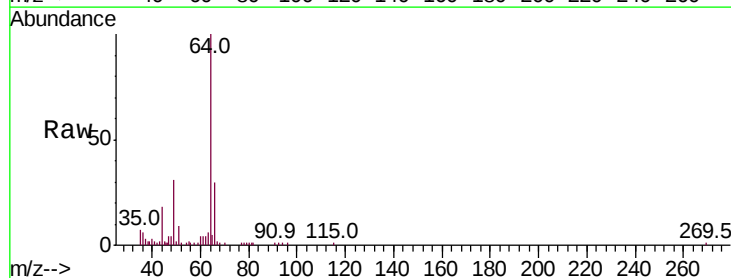
Acq: 11 Jul 2019 11:35

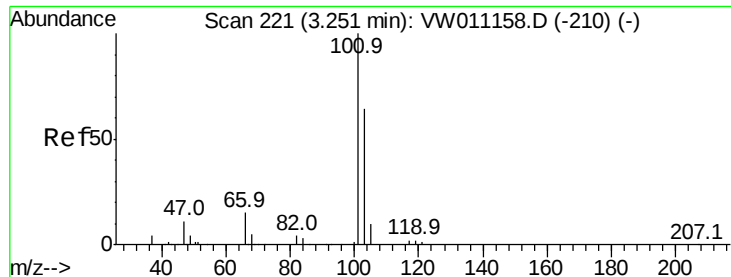
Tgt Ion: 64 Resp: 28327

Ion Ratio Lower Upper

64 100

66 30.0 25.8 38.8





#7

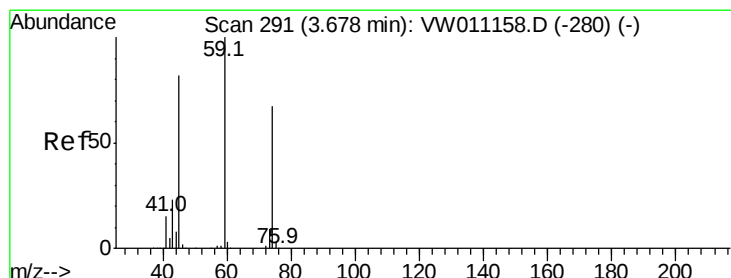
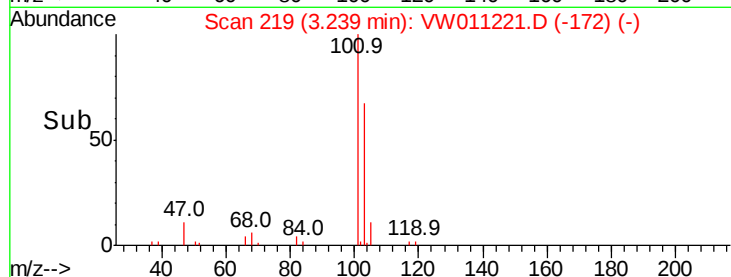
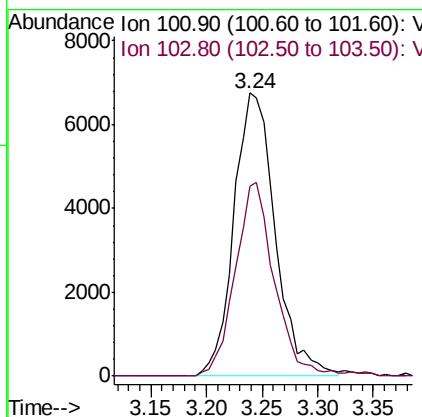
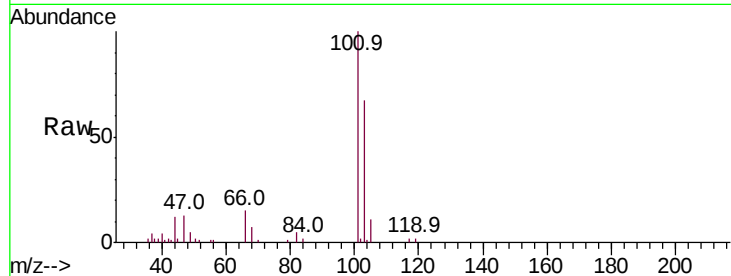
Trichlorofluoromethane
Concen: 17.067 ug/l
RT: 3.24 min Scan# 219
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

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ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	51.3	76.9

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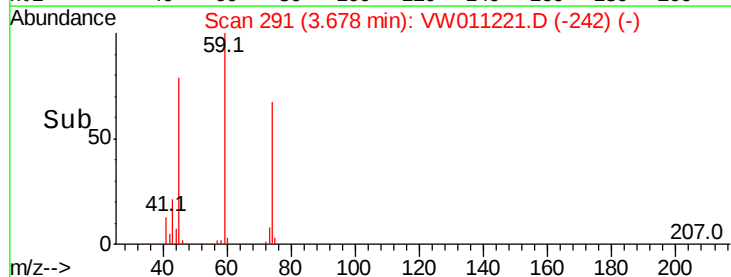
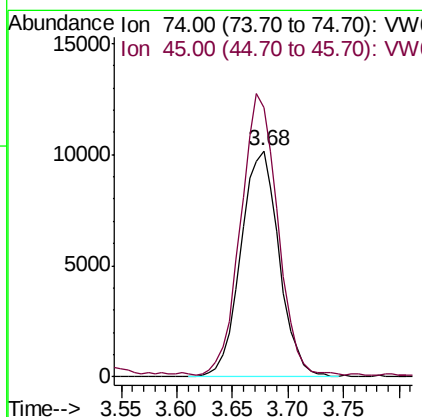
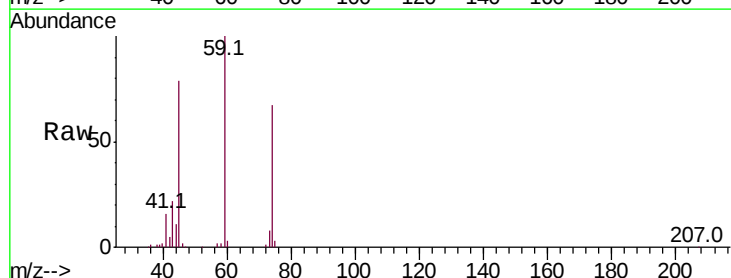
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7/15/2019 2:05:55 PM

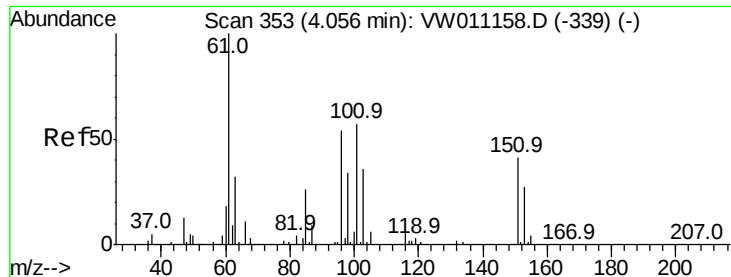


#8

Diethyl Ether
Concen: 17.170 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	119.6	59.9	179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.027 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

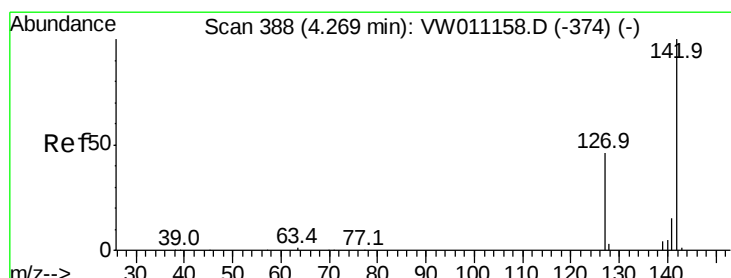
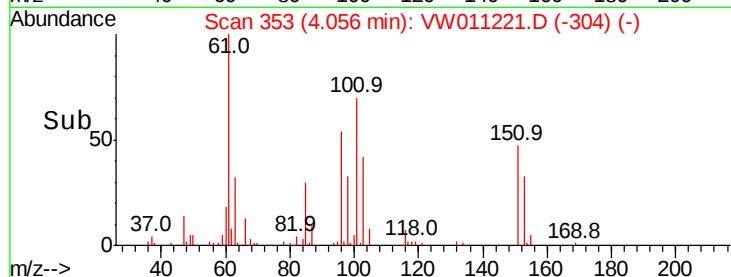
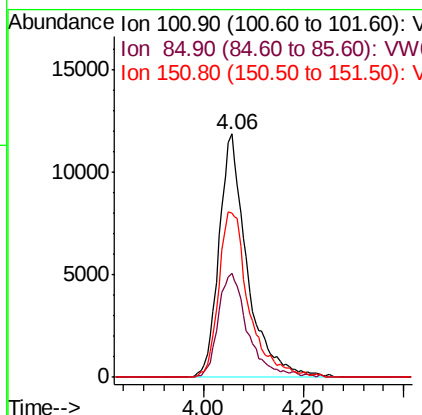
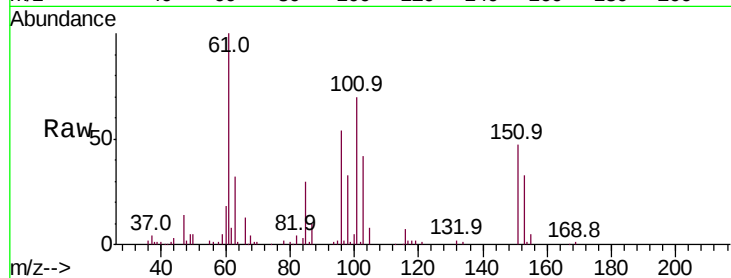
ClientSampleId :

VW0712SBS01

Tot Ion:	101	Resp:	46555
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.5	54.7
151	71.7	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 17.531 ug/l

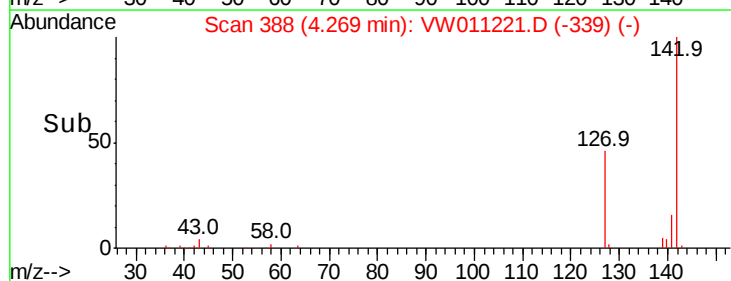
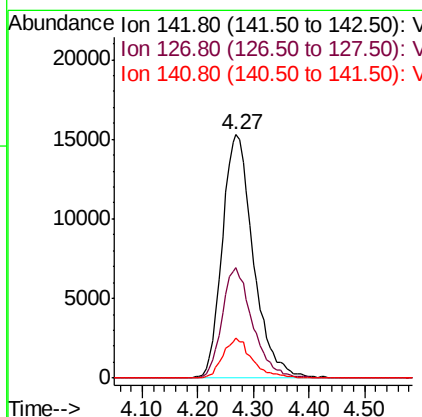
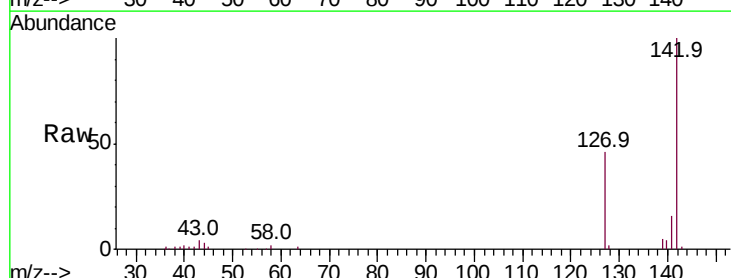
RT: 4.27 min Scan# 388

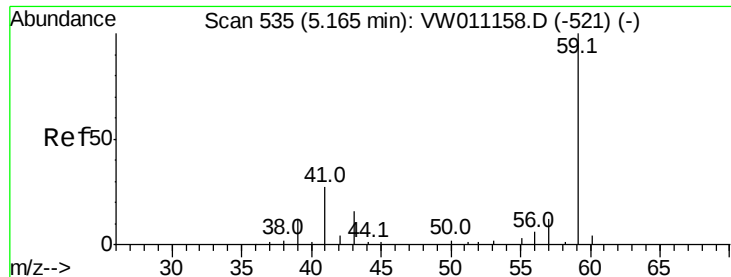
Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion:	142	Resp:	58997
Ion Ratio	Lower	Upper	
142	100		
127	44.5	35.7	53.5
141	15.4	11.5	17.3





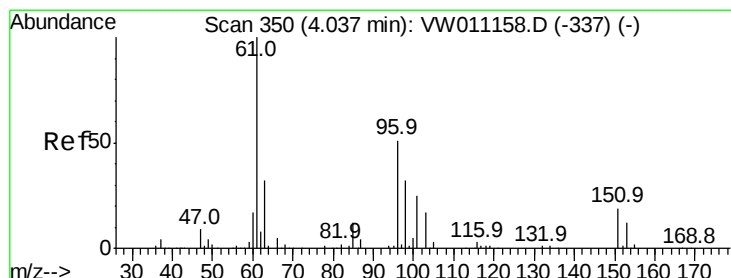
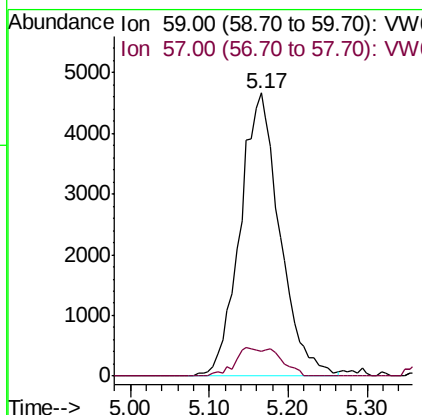
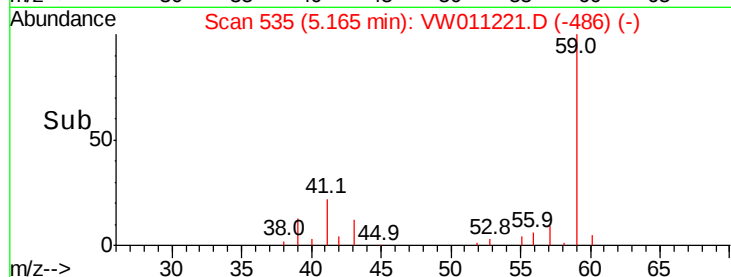
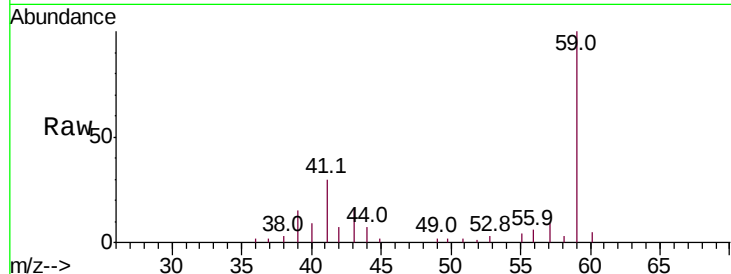
#11
Tert butyl alcohol
Concen: 76.979 ug/l
RT: 5.17 min Scan# 535
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampled :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.5	9.0	13.6#

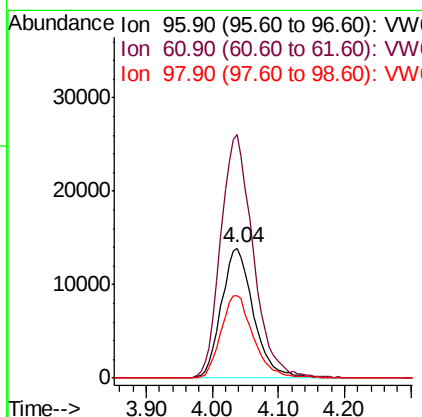
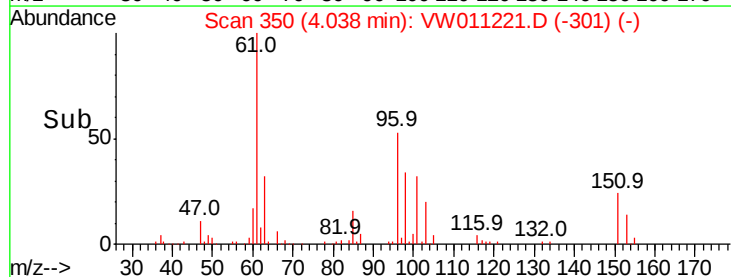
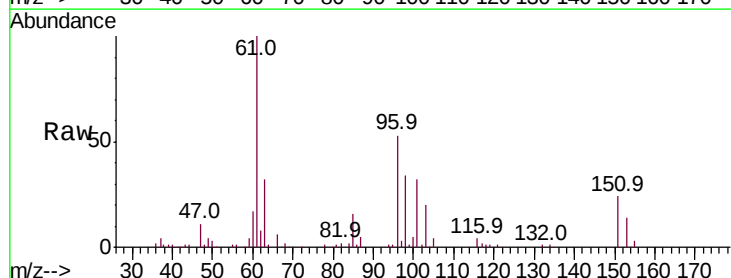
Manual Integrations
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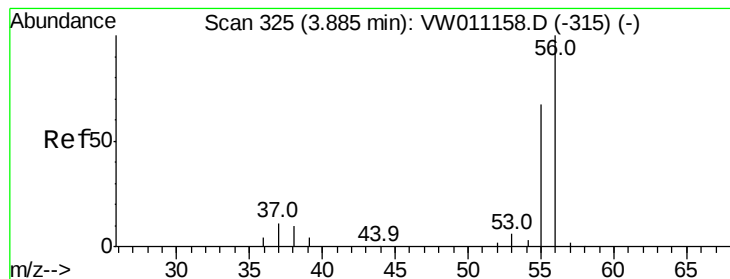
MMDadoda
7/15/2019 2:05:55 PM



#12
1,1-Dichloroethene
Concen: 18.375 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.7	157.7	236.5
98	63.7	50.9	76.3





#13

Acrolein

Concen: 73.075 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampled :

VW0712SBS01

Tot Ion: 56 Resp: 12375

Ion Ratio Lower Upper

56 100

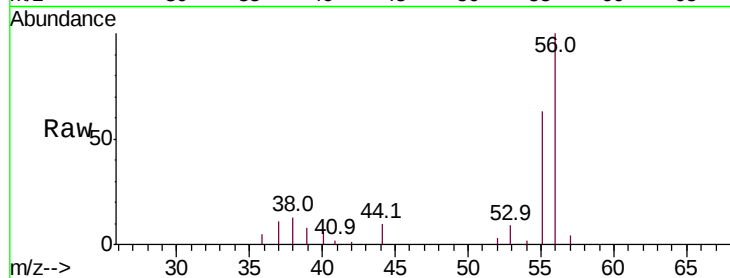
55 70.3 56.4 84.6

Manual Integrations

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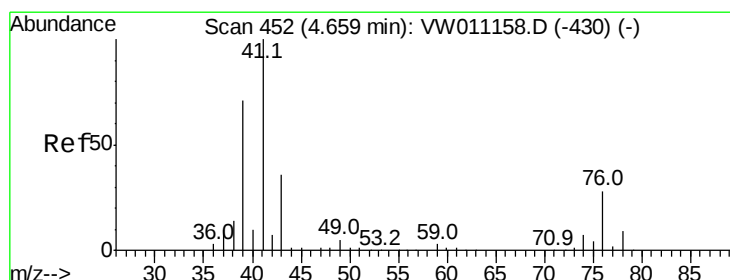
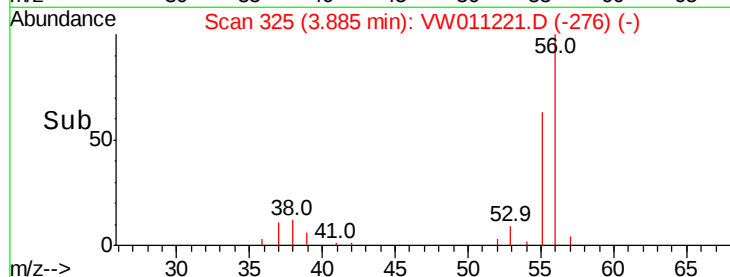
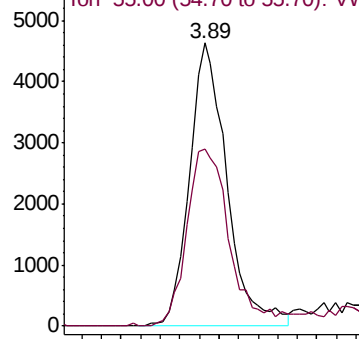
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 18.522 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

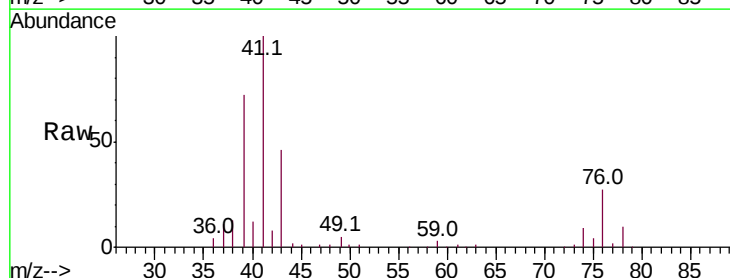
Tgt Ion: 41 Resp: 85773

Ion Ratio Lower Upper

41 100

39 68.4 55.1 82.7

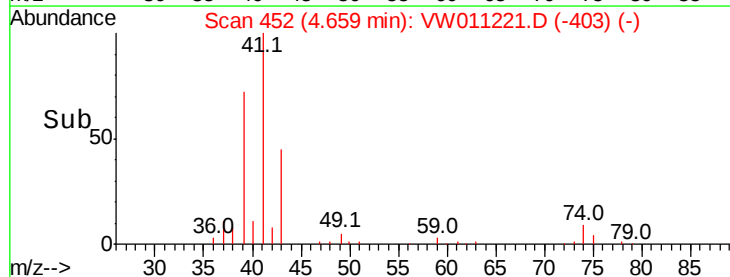
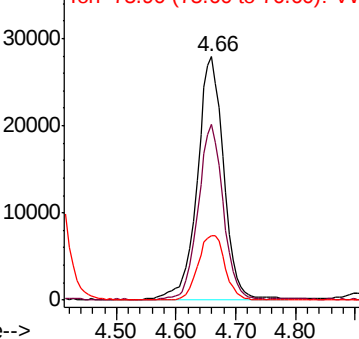
76 27.3 22.5 33.7

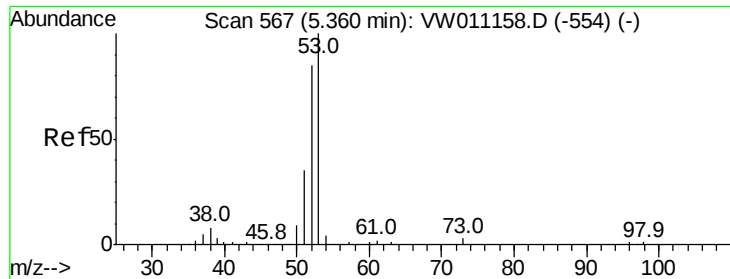


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 84.052 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

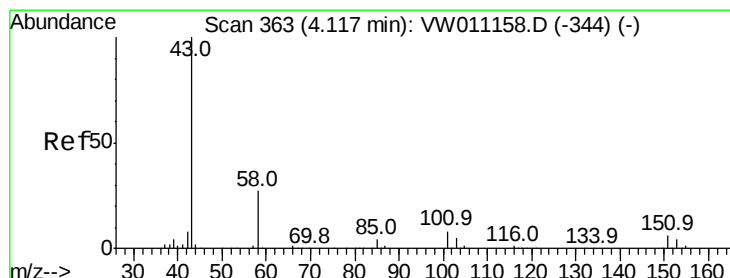
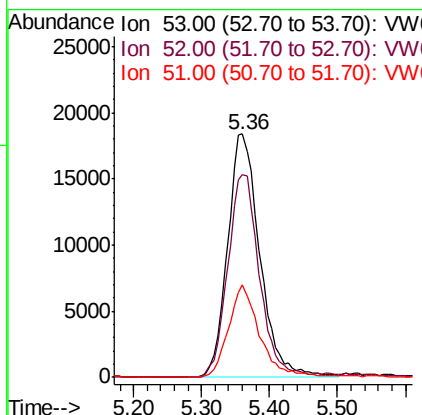
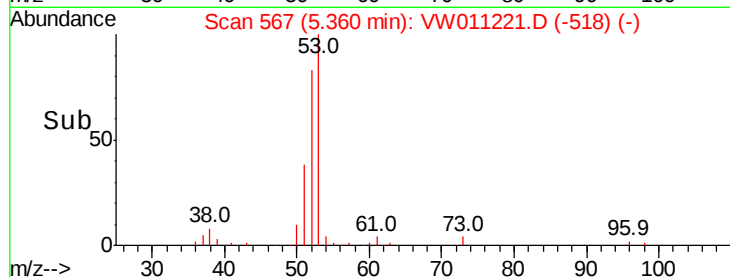
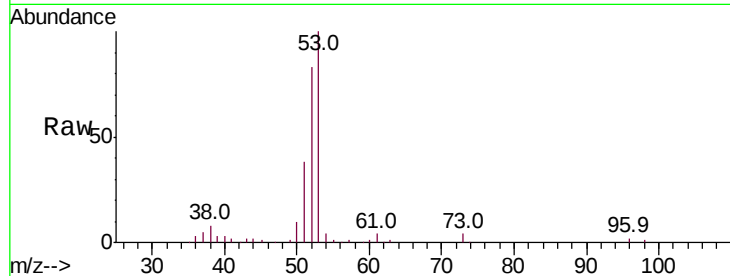
ClientSampleId :

VW0712SBS01

Tot Ion:	53	Resp:	60503
Ion Ratio	Lower	Upper	
53	100		
52	82.2	66.2	99.4
51	36.7	29.1	43.7

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#16

Acetone

Concen: 87.421 ug/l

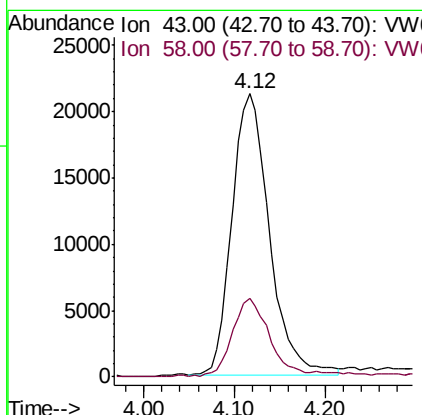
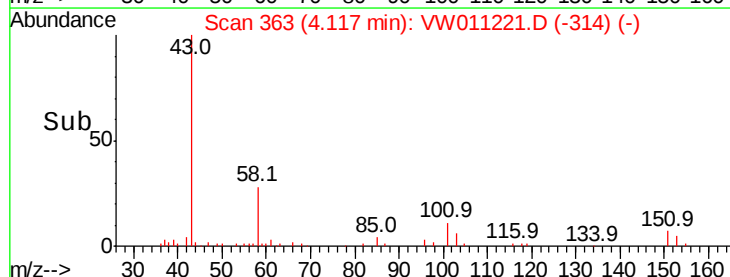
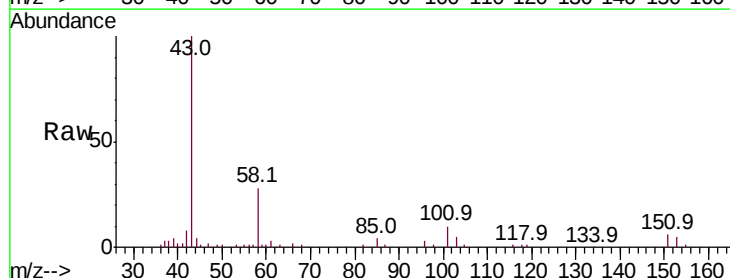
RT: 4.12 min Scan# 363

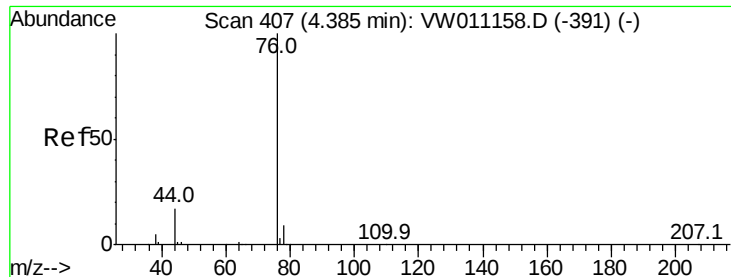
Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion:	43	Resp:	60421
Ion Ratio	Lower	Upper	
43	100		
58	27.7	21.8	32.6





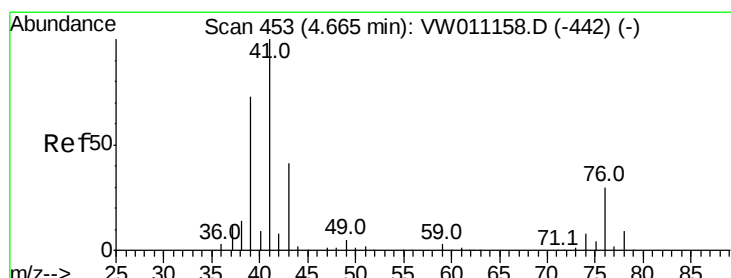
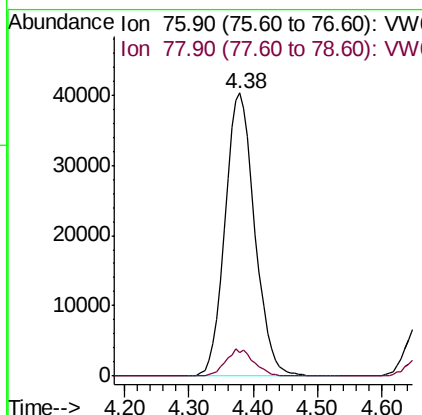
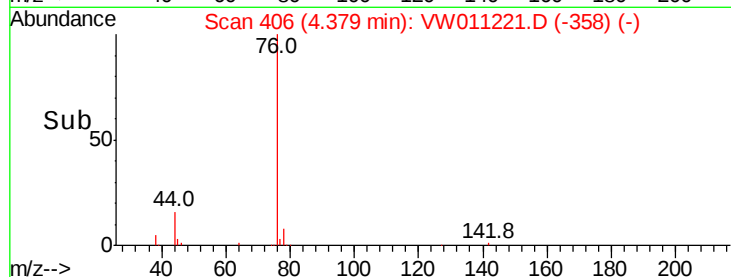
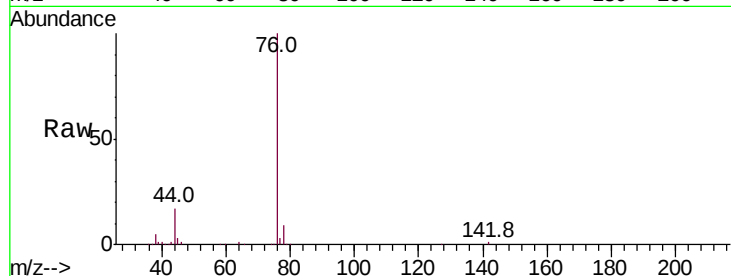
#17
Carbon Disulfide
Concen: 16.880 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.1	10.7

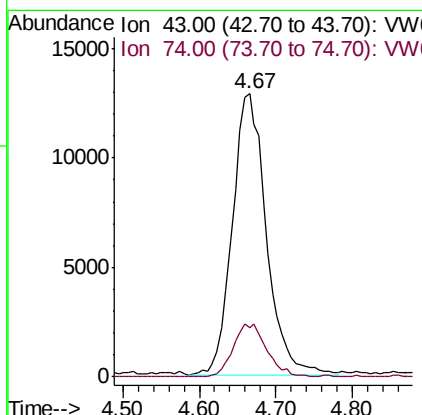
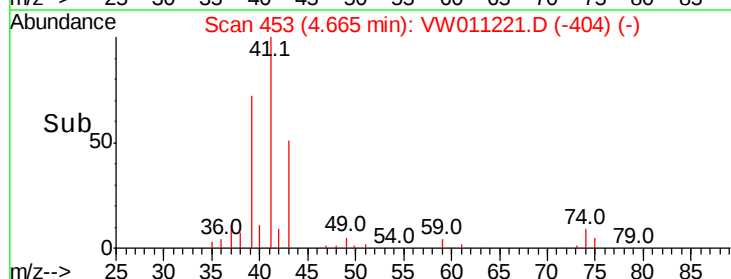
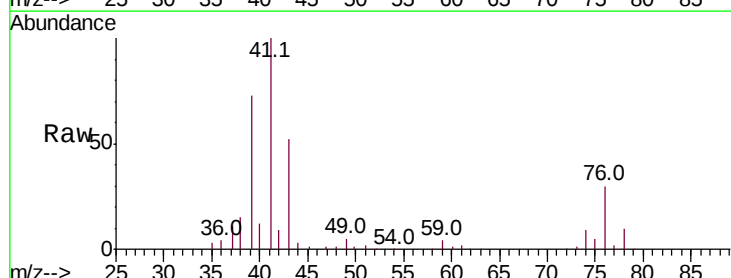
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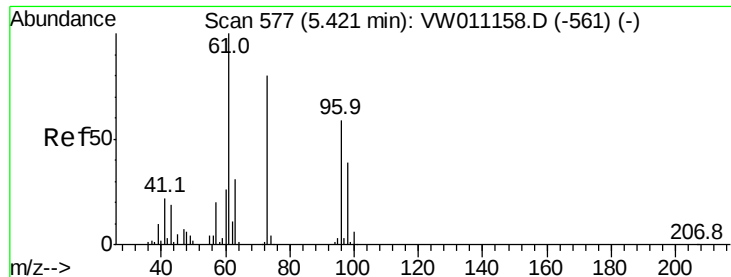
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#18
Methyl Acetate
Concen: 19.182 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	15.7	23.5





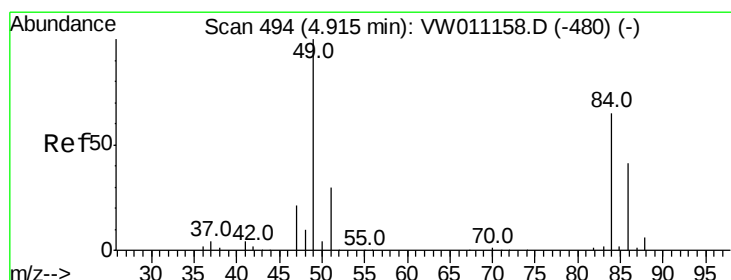
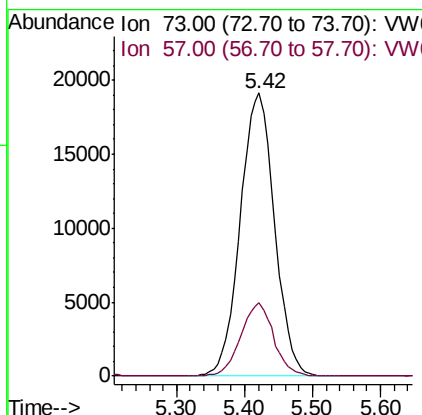
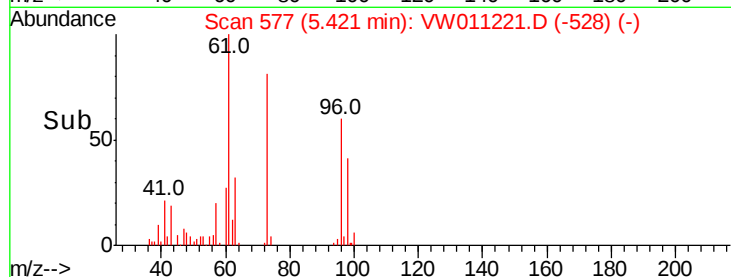
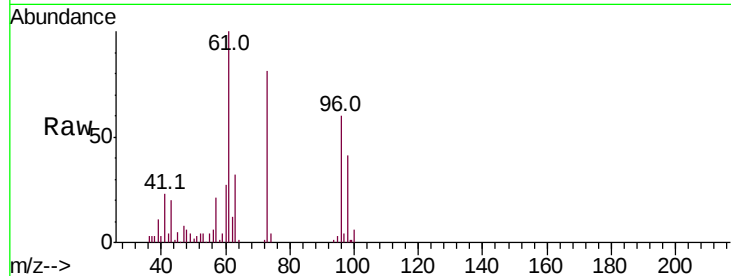
#19
Methyl tert-butyl Ether
Concen: 17.376 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion: 73 Resp: 66955
Ion Ratio Lower Upper
73 100
57 26.1 19.7 29.5

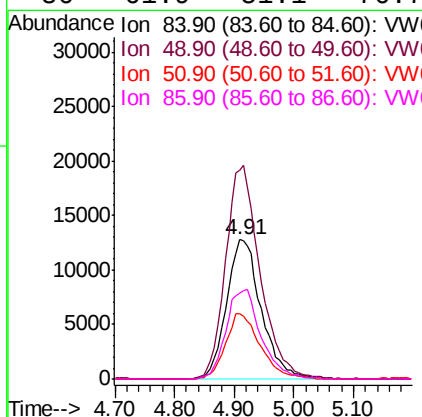
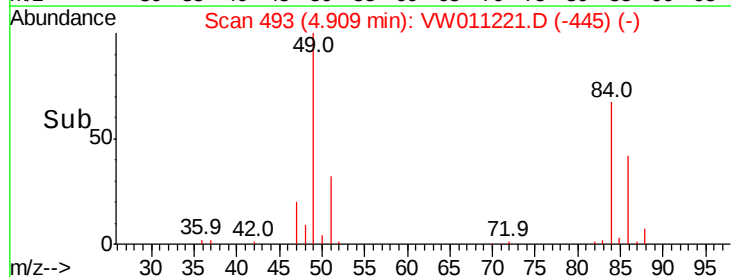
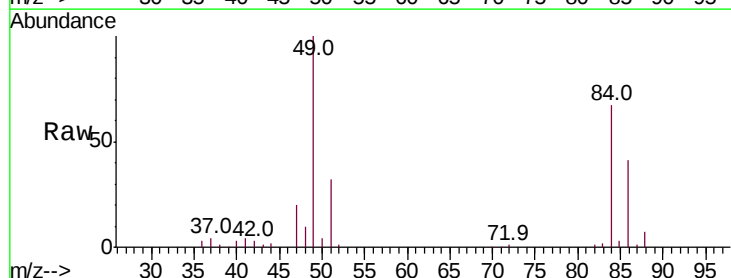
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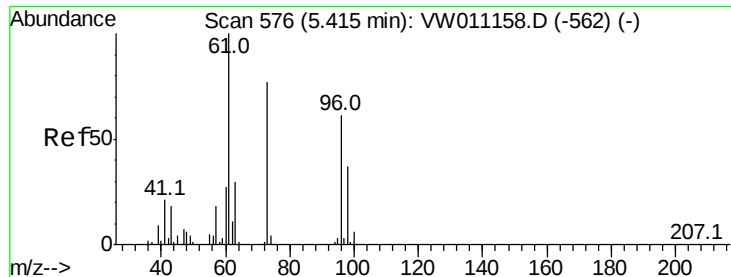
MMDadoda
7/15/2019 2:05:55 PM



#20
Methylene Chloride
Concen: 18.973 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 84 Resp: 51730
Ion Ratio Lower Upper
84 100
49 149.5 123.8 185.6
51 47.1 37.4 56.2
86 61.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.081 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

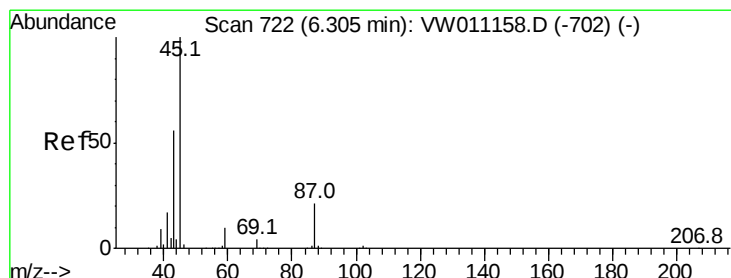
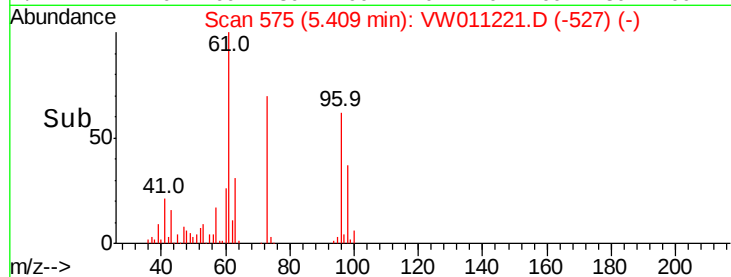
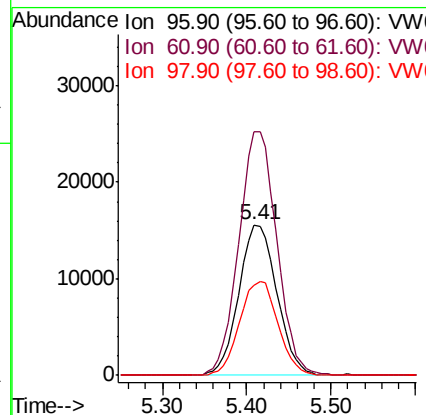
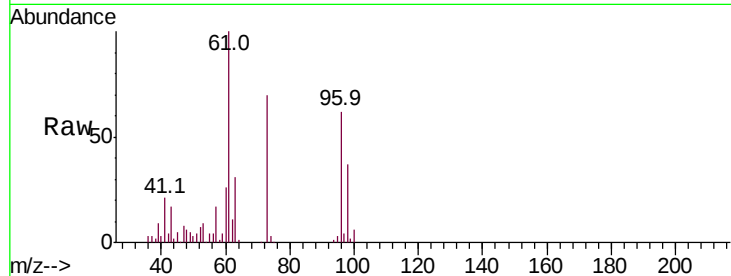
ClientSampleId :

VW0712SBS01

Tot Ion:	96	Resp:	47712
Ion	Ratio	Lower	Upper
96	100		
61	161.1	132.2	198.2
98	59.6	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.272 ug/l

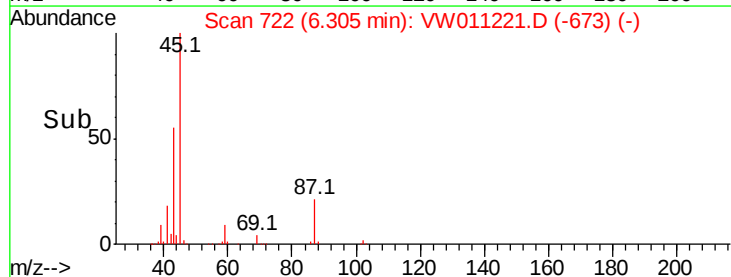
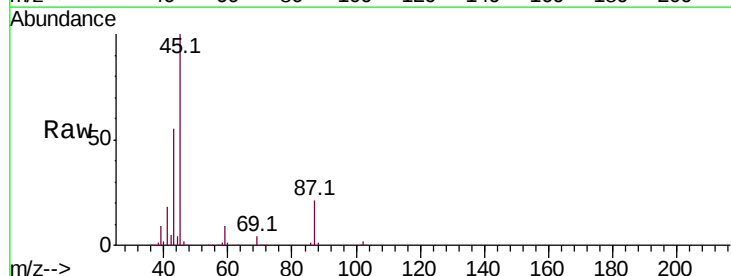
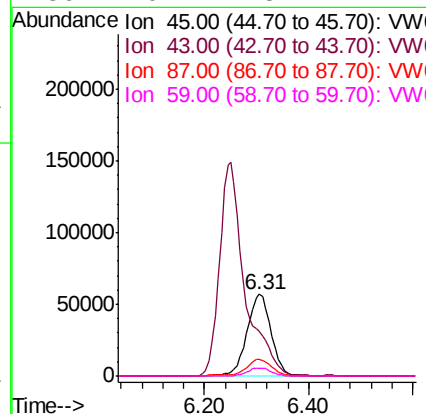
RT: 6.31 min Scan# 722

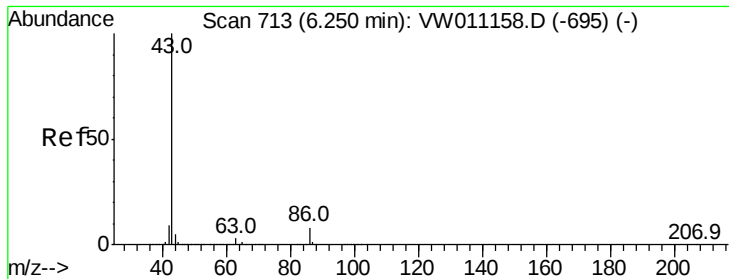
Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion:	45	Resp:	181998
Ion	Ratio	Lower	Upper
45	100		
43	55.2	44.6	66.8
87	20.9	17.3	25.9
59	9.4	8.2	12.2





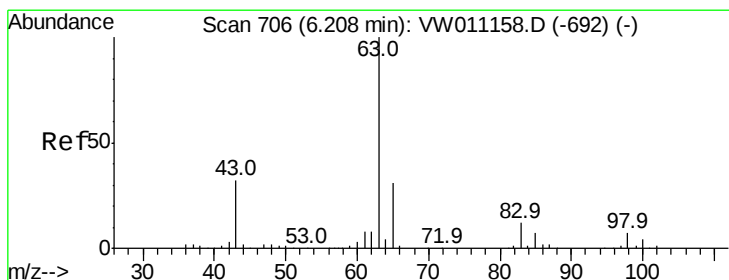
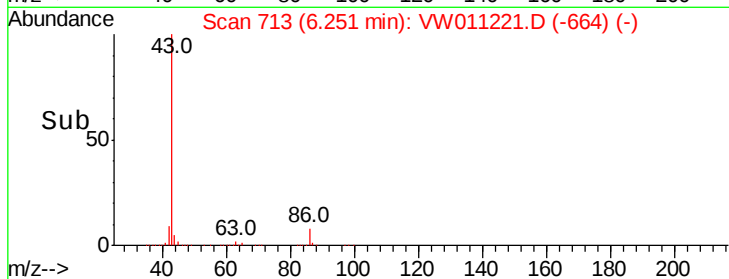
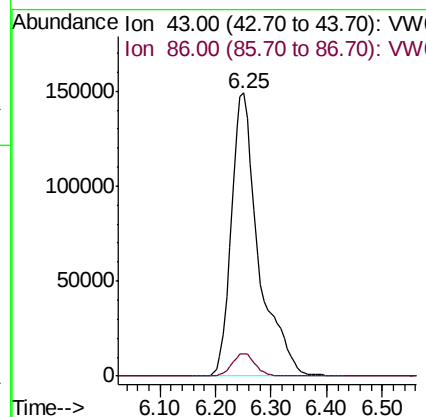
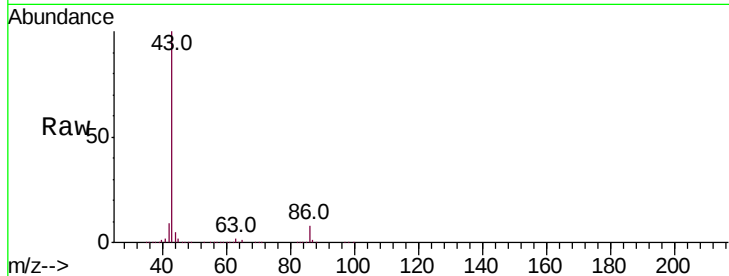
#23
 Vinyl Acetate
 Concen: 81.912 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	504917		
86	8.1	6.5	9.7	

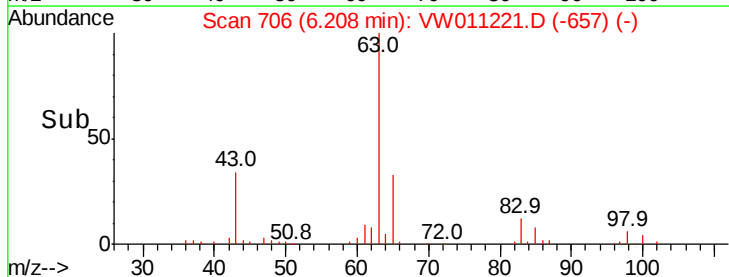
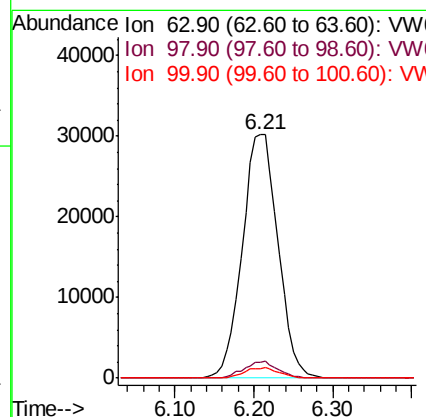
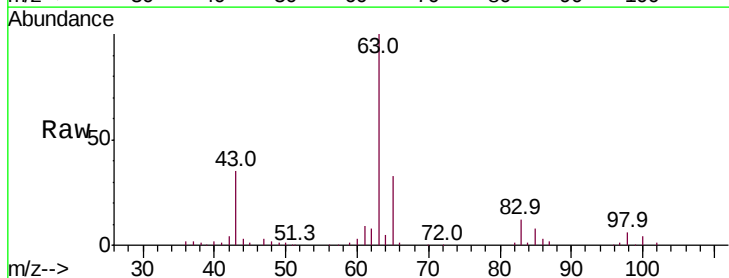
Manual Integrations
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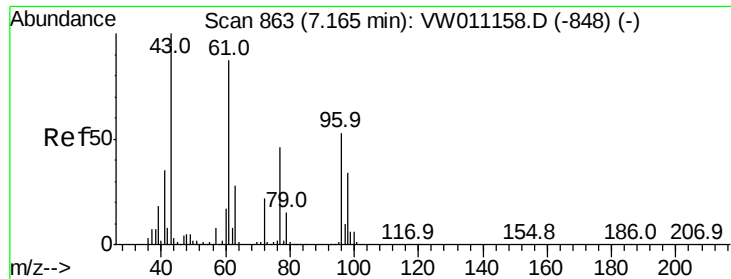
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.174 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	95058		
98	6.2	3.3	9.9	
100	3.9	2.1	6.2	





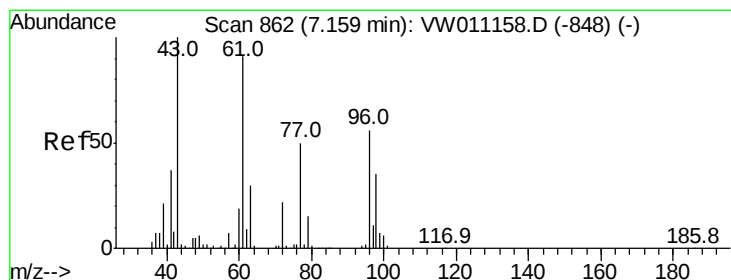
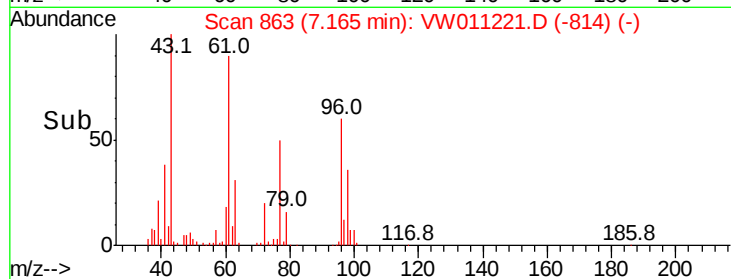
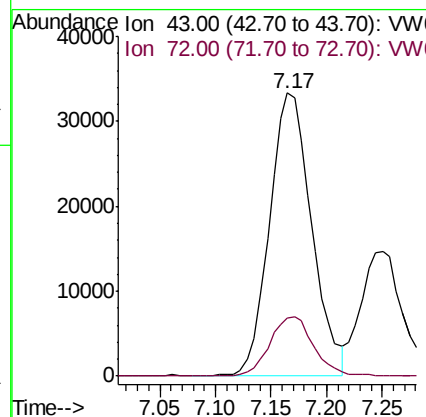
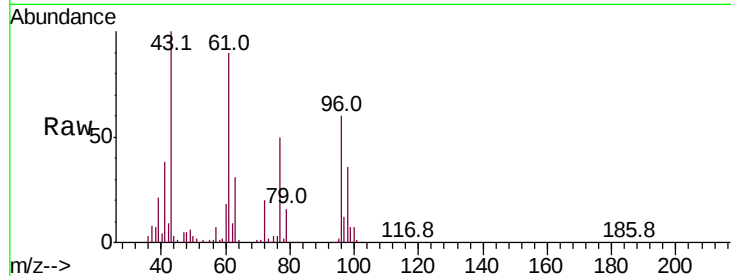
#25
 2-Butanone
 Concen: 80.739 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion	43	Ratio	100	Resp	87595
Ion	43	100		Lower	Upper
	72	20.4		17.6	26.4

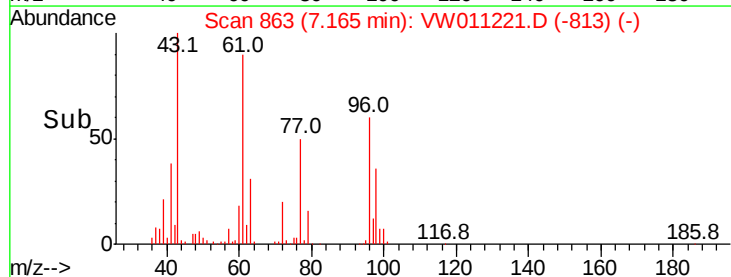
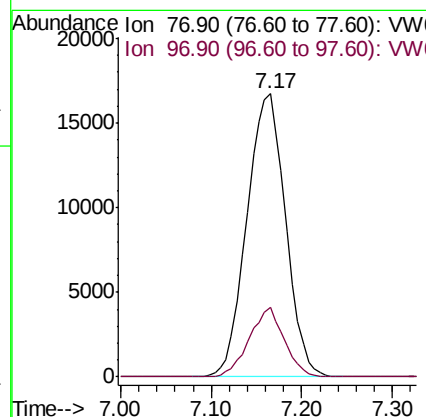
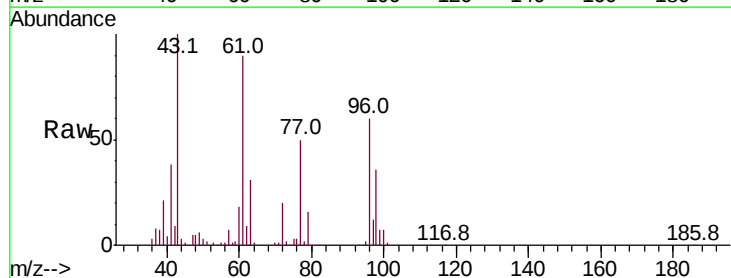
Manual Integrations
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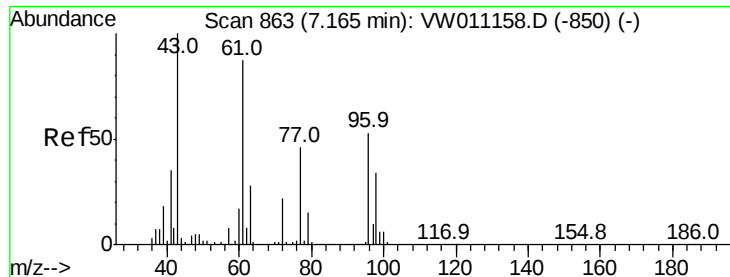
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 7/15/2019 2:05:55 PM



#26
 2,2-Dichloropropane
 Concen: 18.169 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.01 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	77	Ratio	100	Resp	49397
Ion	77	100		Lower	Upper
	97	22.1		11.2	33.5





#27

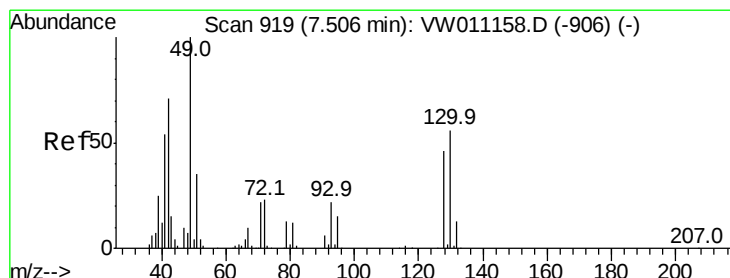
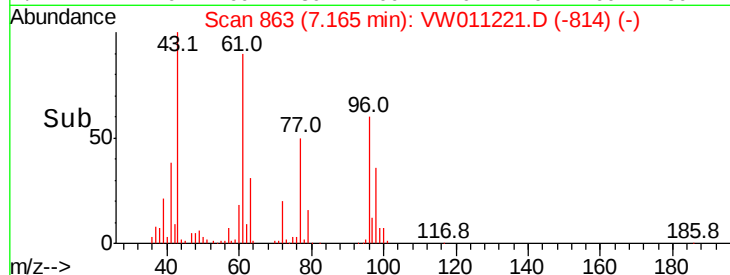
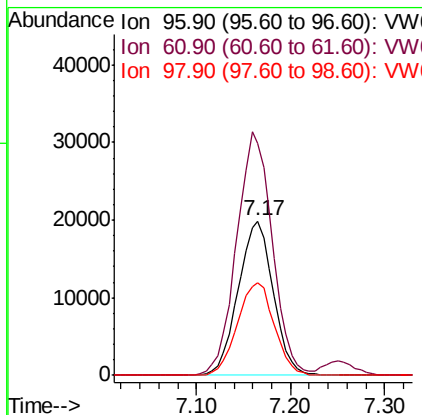
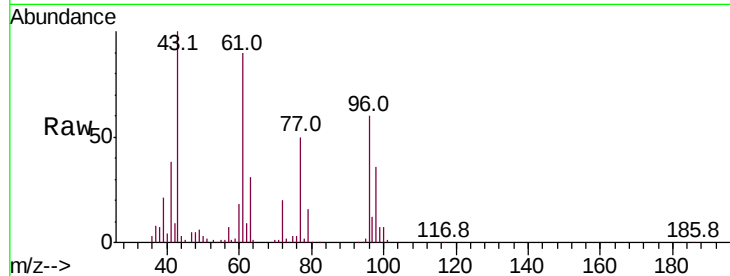
cis-1,2-Dichloroethene
Concen: 18.137 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	325.6
98	63.0	0.0	128.2

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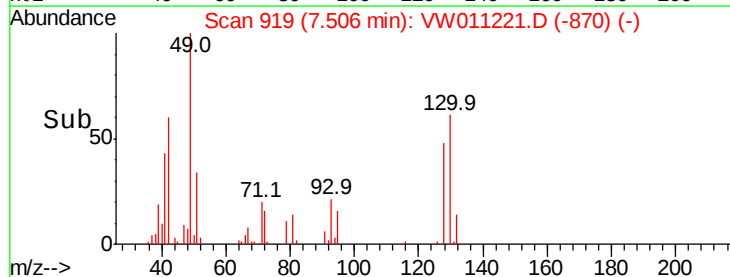
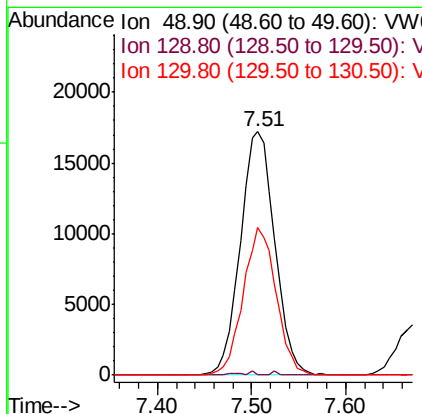
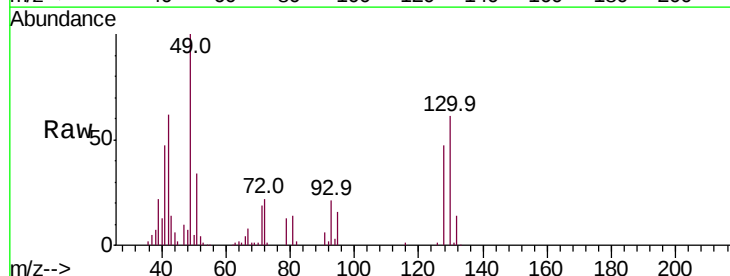
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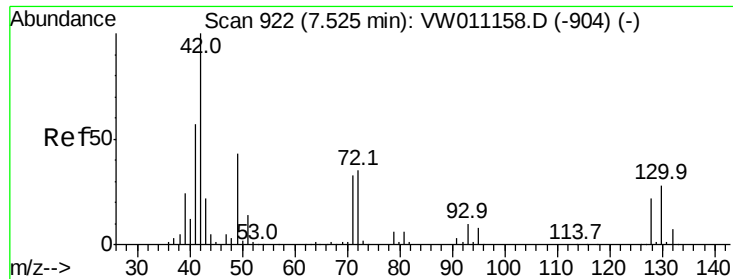


#28

Bromochloromethane
Concen: 18.488 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.2	0.0	1.4
130	58.1	45.8	68.8





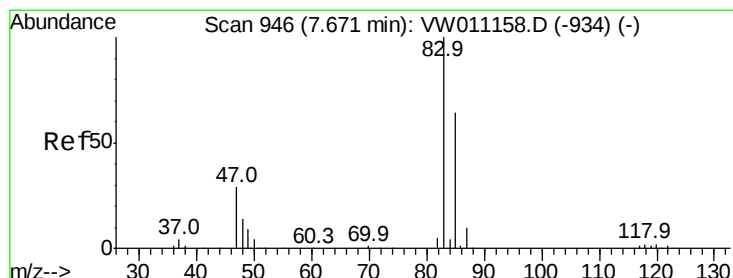
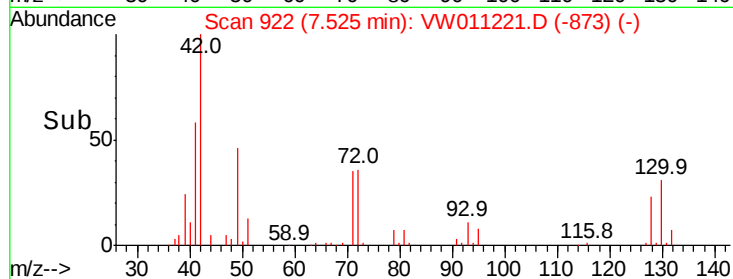
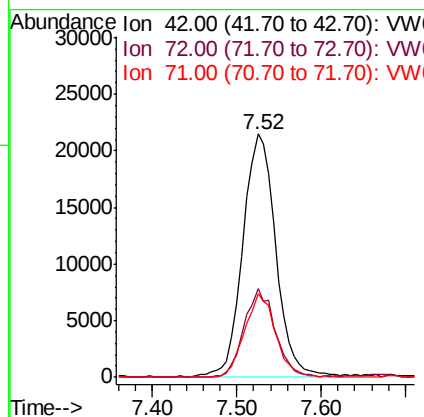
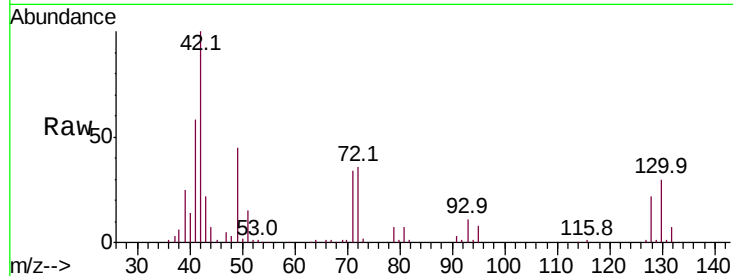
#29
Tetrahydrofuran
Concen: 80.327 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.4	27.4	41.2
71	32.2	25.9	38.9

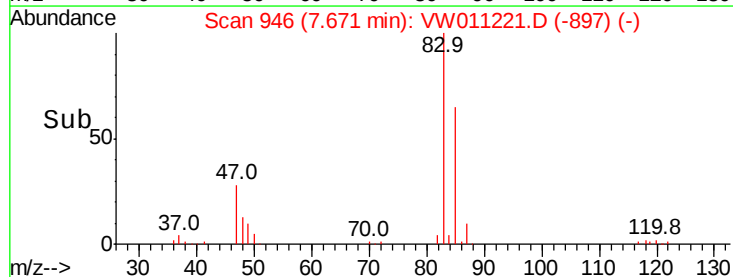
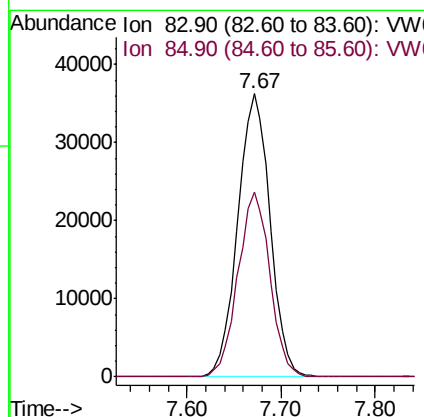
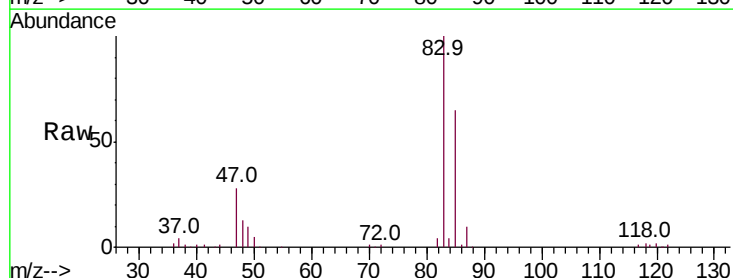
Manual Integrations
APPROVED

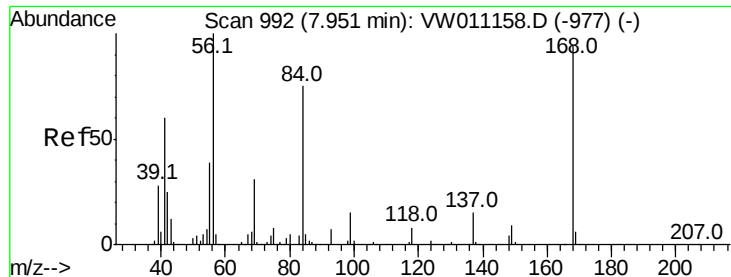
MMDadoda
7/15/2019 2:05:55 PM



#30
Chloroform
Concen: 17.897 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2





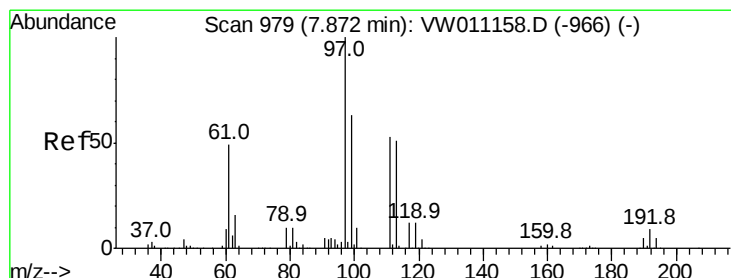
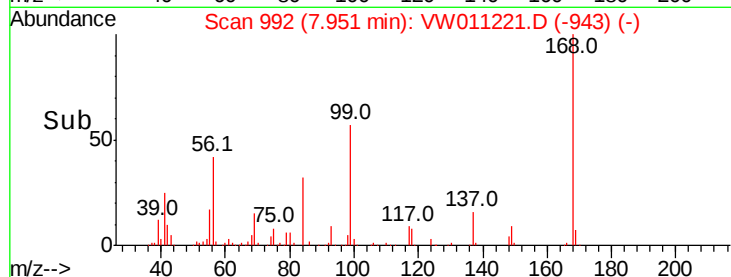
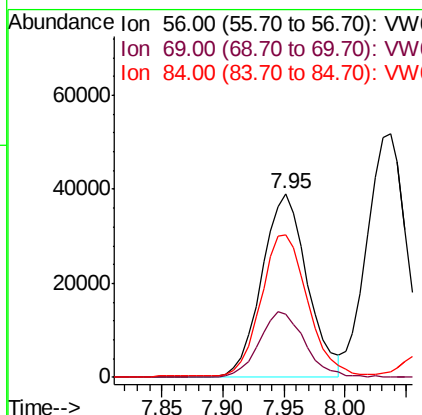
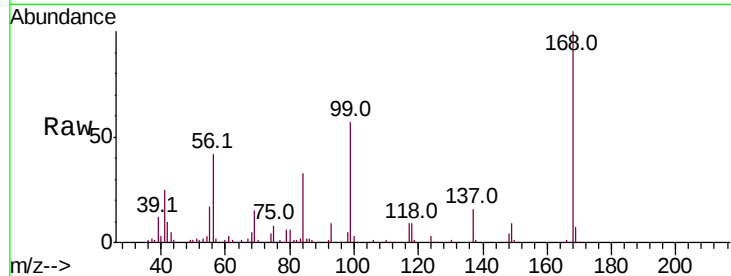
#31
Cyclohexane
Concen: 18.148 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.4	24.6	36.8
84	76.7	60.1	90.1

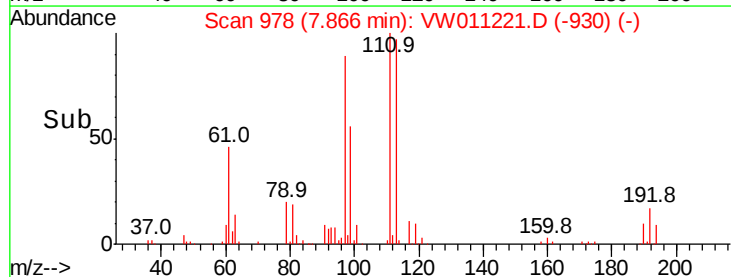
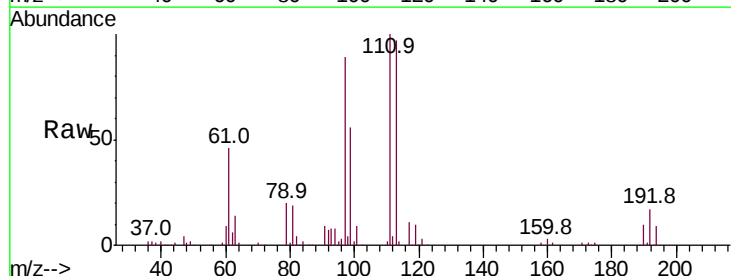
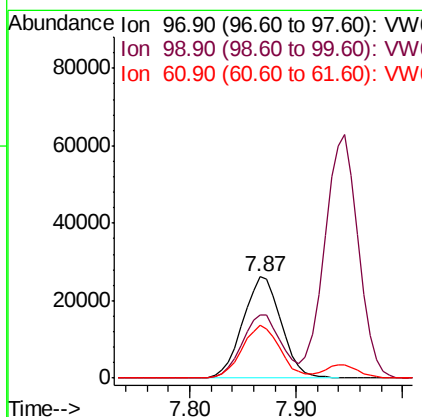
Manual Integrations
APPROVED

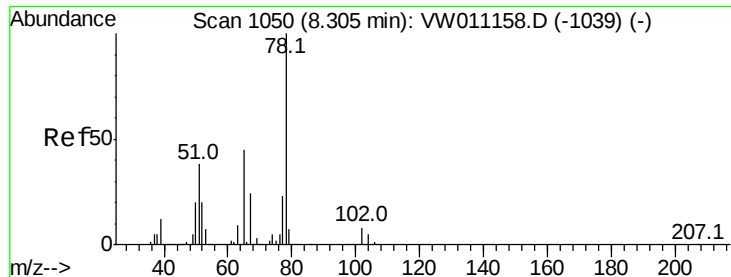
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 17.972 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	52.2	40.4	60.6





#33

1,2-Dichloroethane-d4

Concen: 44.302 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion: 65 Resp: 127257

Ion Ratio Lower Upper

65 100

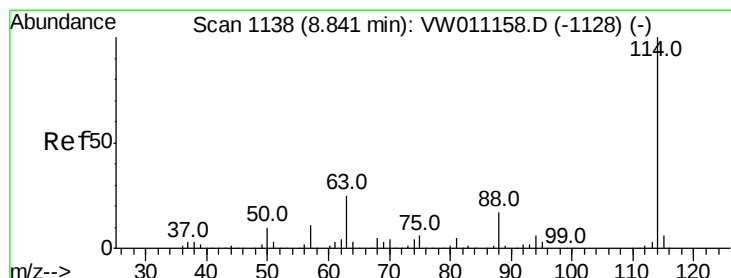
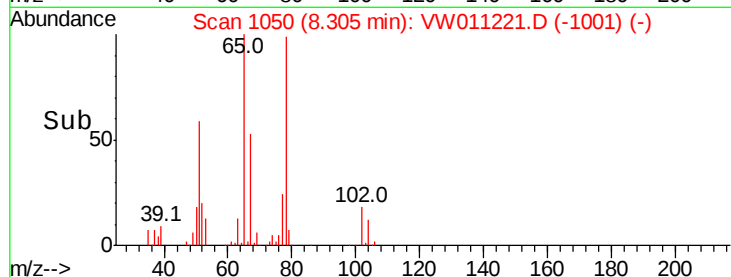
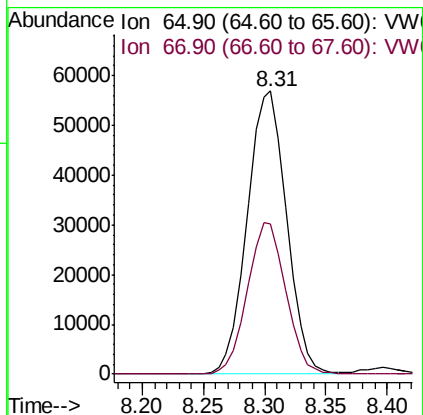
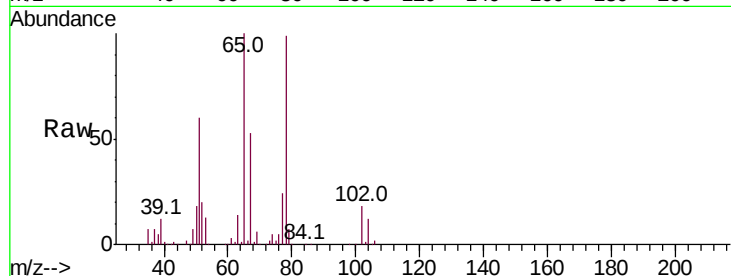
67 52.3 0.0 104.4

Manual Integrations

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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: VW011221.D

Acq: 11 Jul 2019 11:35

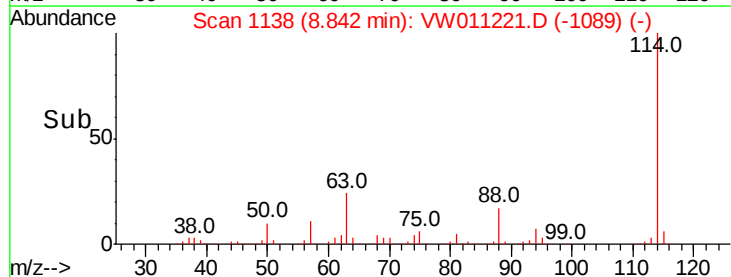
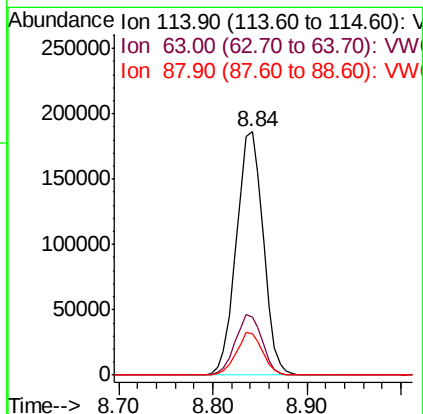
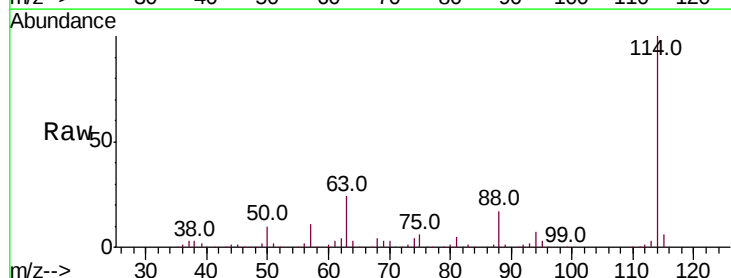
Tgt Ion: 114 Resp: 370737

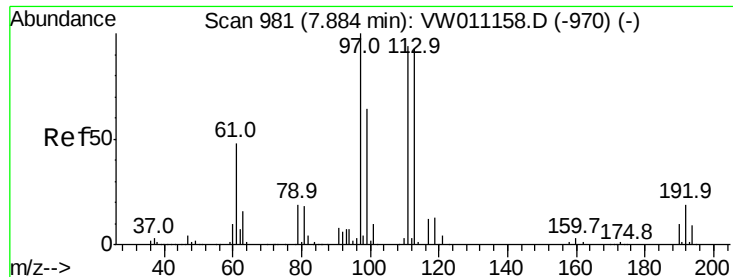
Ion Ratio Lower Upper

114 100

63 24.1 0.0 50.8

88 17.2 0.0 34.2





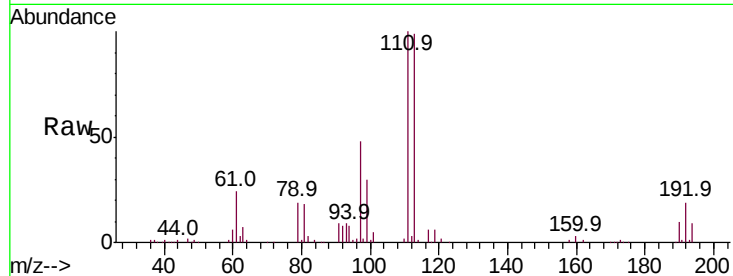
#35
 Dibromofluoromethane
 Concen: 46.162 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102007		
111	103.7	82.4	123.6	
192	19.4	15.8	23.8	

Manual Integrations
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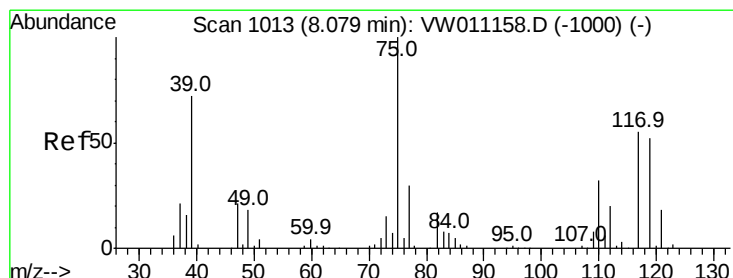
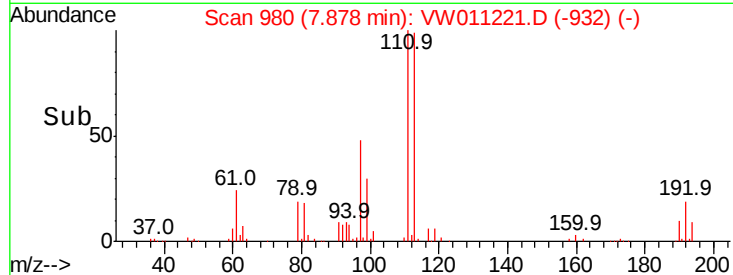
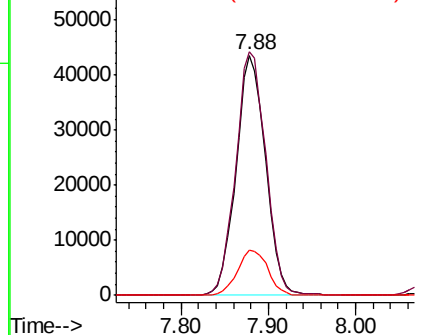


Abundance

Ion 112.80 (112.50 to 113.50): V

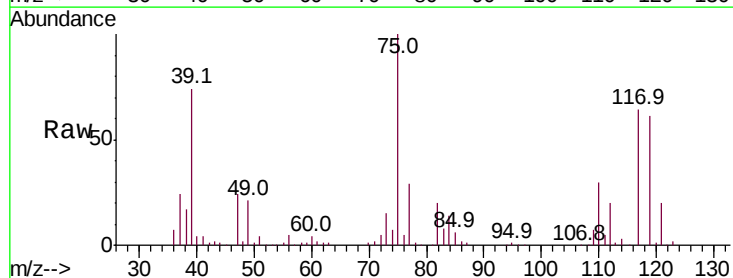
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.744 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	74002		
110	31.2	15.9	47.6	
77	30.5	24.6	36.8	

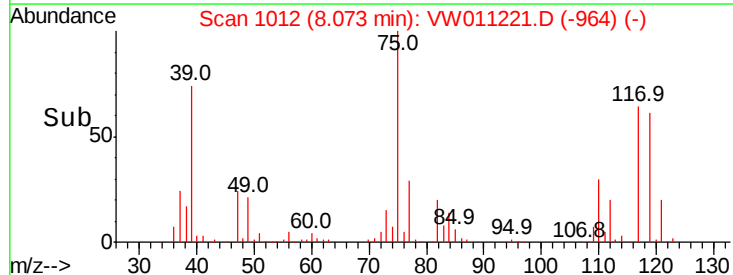
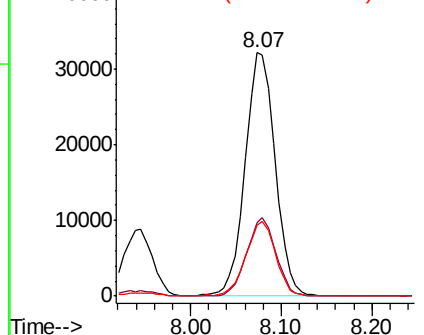


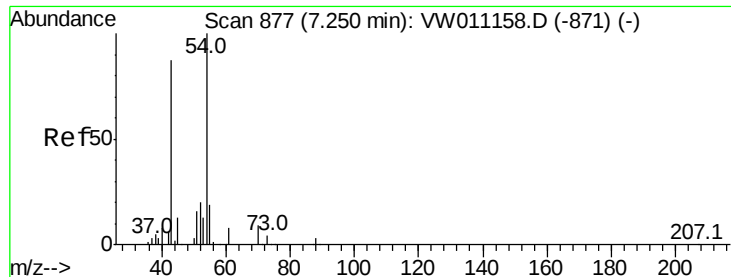
Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





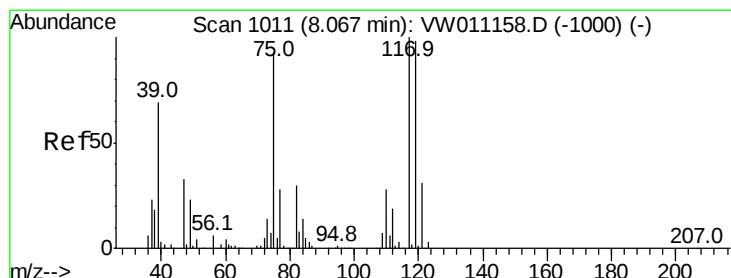
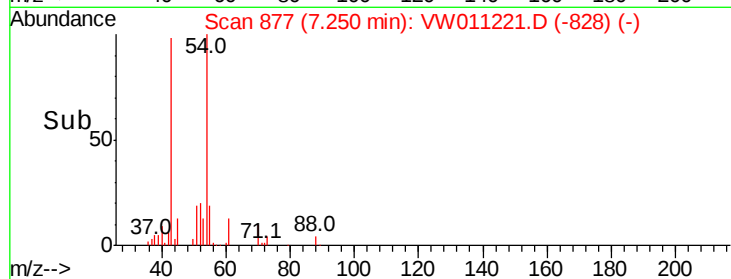
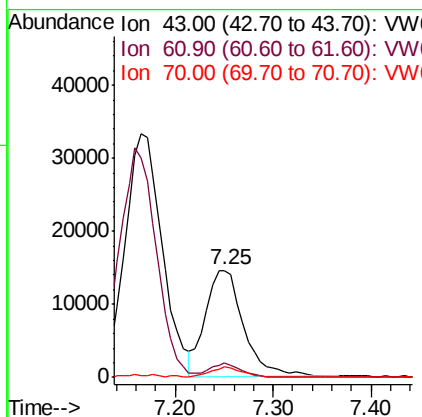
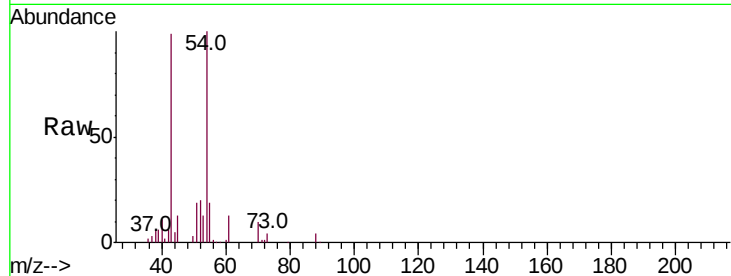
#37
Ethyl Acetate
Concen: 16.535 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.4	9.5	14.3
70	8.5	7.1	10.7

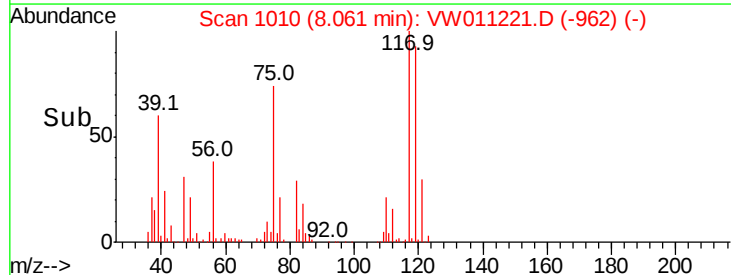
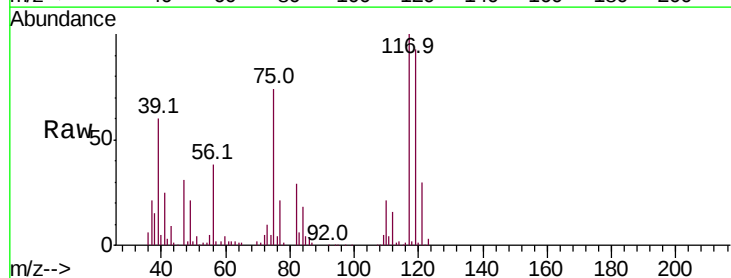
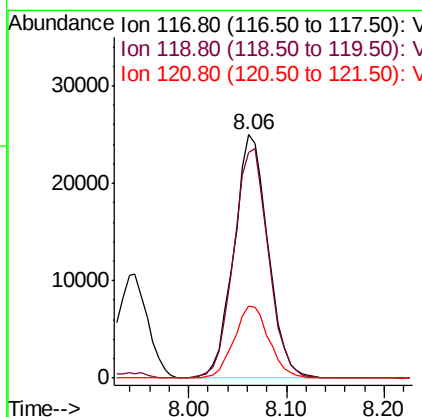
Manual Integrations
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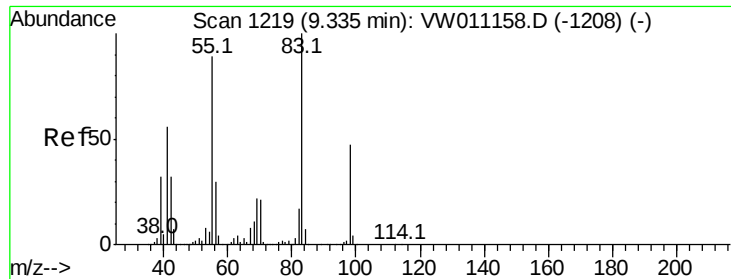
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#38
Carbon Tetrachloride
Concen: 18.042 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.1	117.1
121	29.8	25.1	37.7





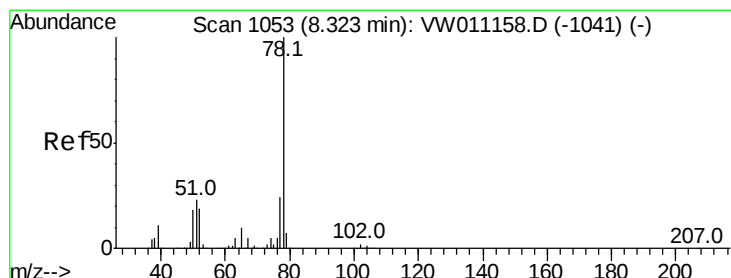
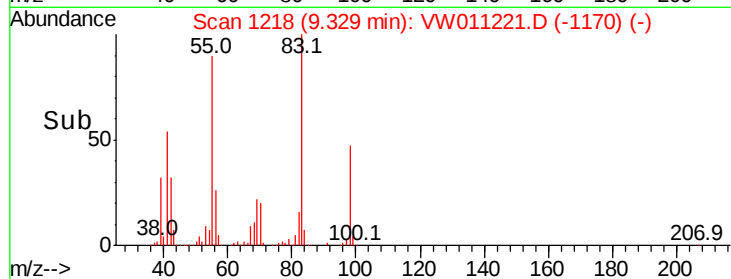
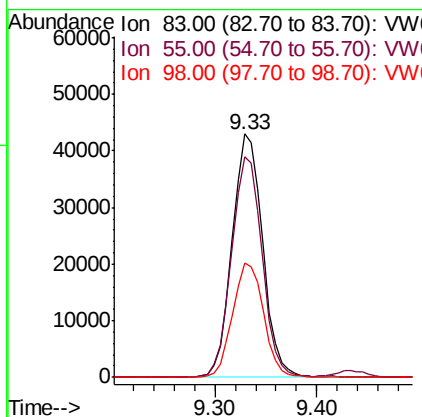
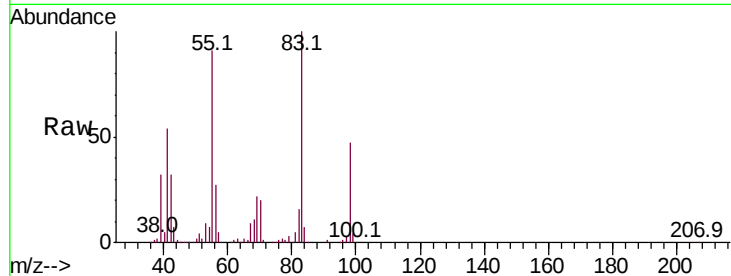
#39
Methvlcvclohexane
Concen: 18.575 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	83	Resp	88886
Ion Ratio	100	Lower	Upper
55	90.6	71.2	106.8
98	46.8	37.5	56.3

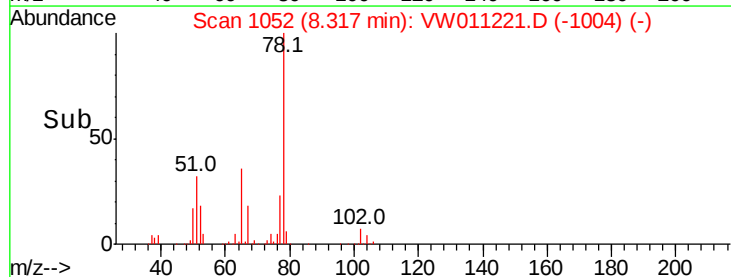
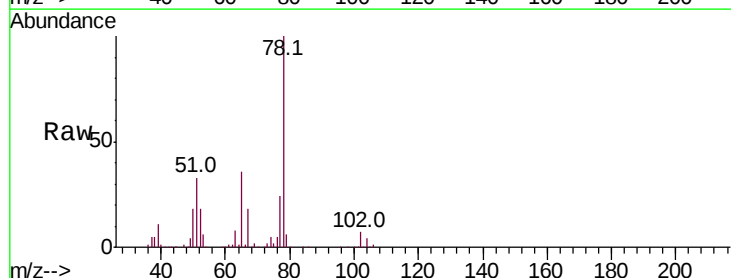
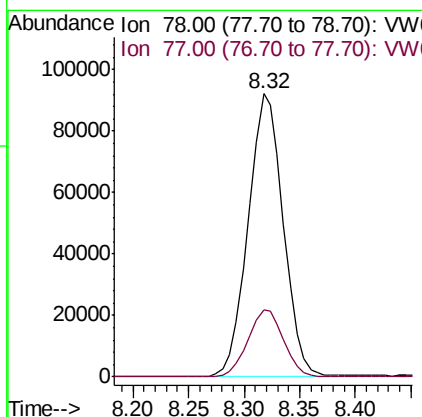
Manual Integrations
APPROVED

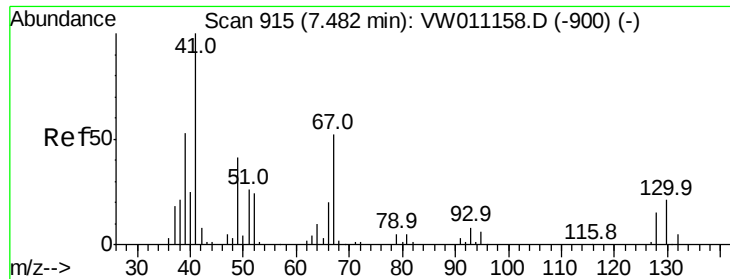
MMDadoda
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#40
Benzene
Concen: 18.547 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	78	Resp	202363
Ion Ratio	100	Lower	Upper
77	23.5	19.0	28.6





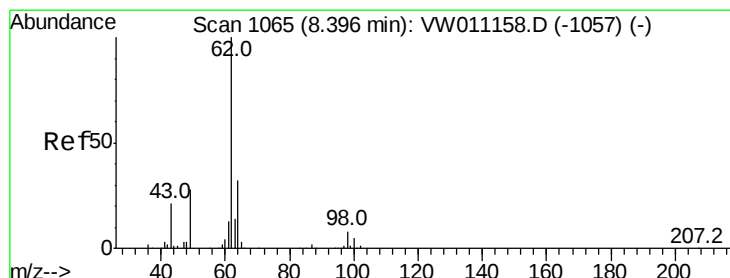
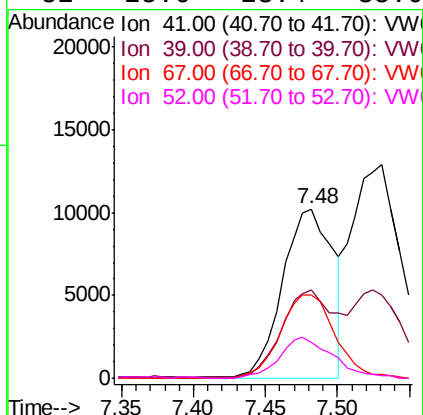
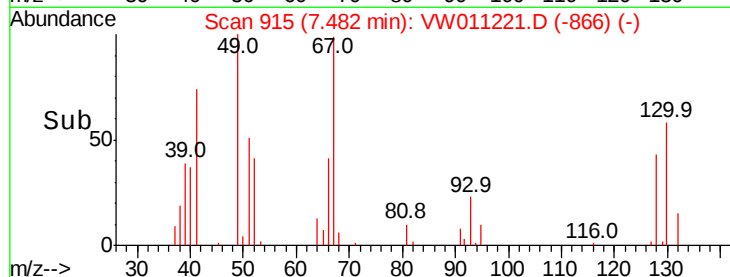
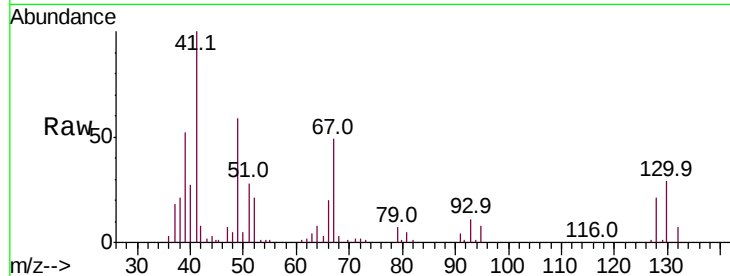
#41
Methacrylonitrile
Concen: 18.477 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	58.5	48.0	72.0
67	53.5	49.7	74.5
52	25.6	23.4	35.0

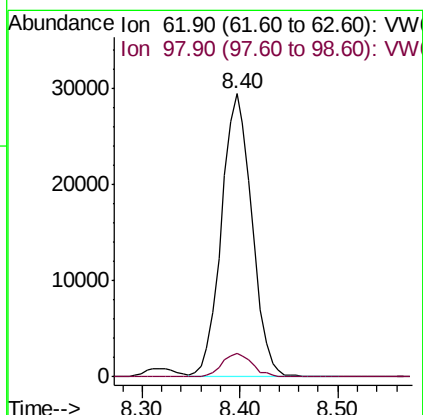
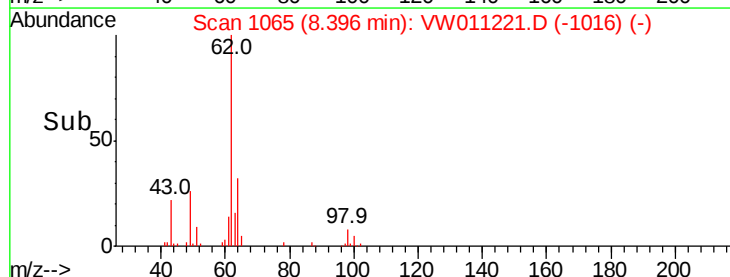
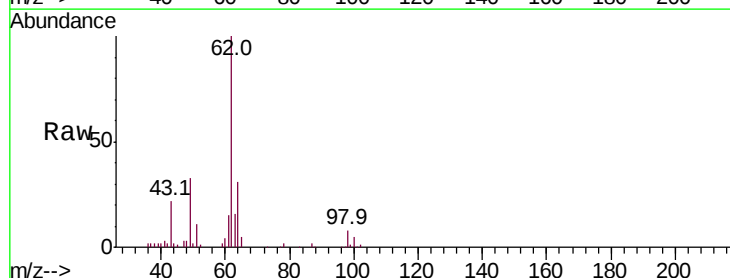
Manual Integrations
APPROVED

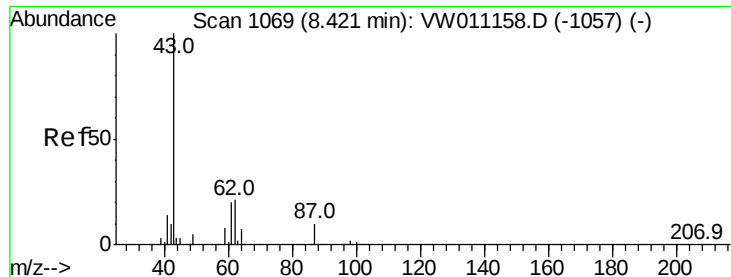
MMDadoda
7/15/2019 2:05:55 PM



#42
1,2-Dichloroethane
Concen: 18.010 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.8





#43

Isopropyl Acetate

Concen: 16.429 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

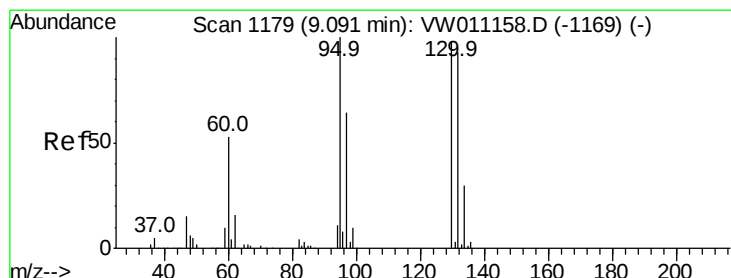
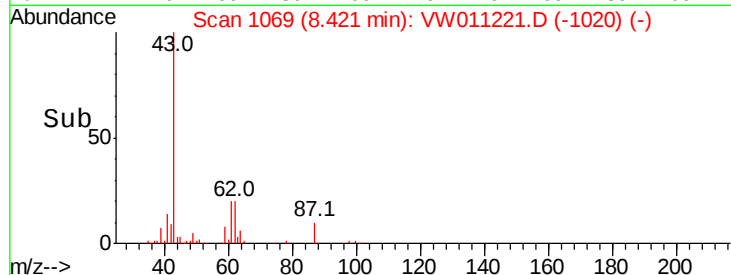
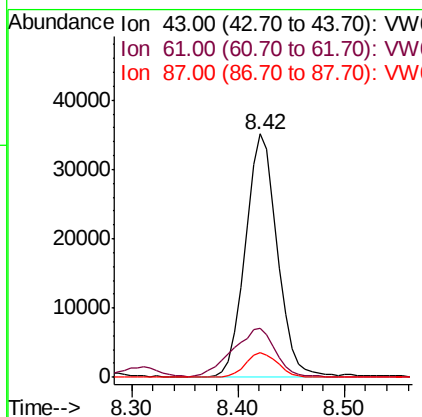
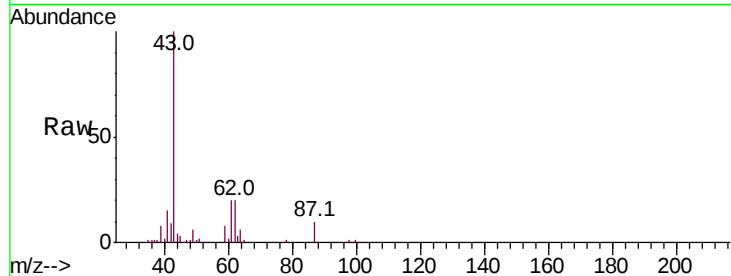
ClientSampleId :

VW0712SBS01

Tot Ion:	43	Resp:	73574
Ion	Ratio	Lower	Upper
43	100		
61	27.2	20.7	31.1
87	10.4	8.1	12.1

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#44

Trichloroethene

Concen: 18.524 ug/l

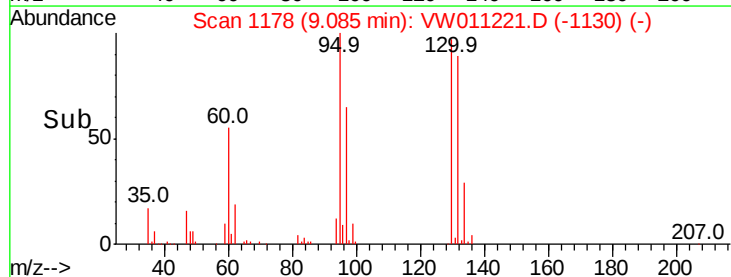
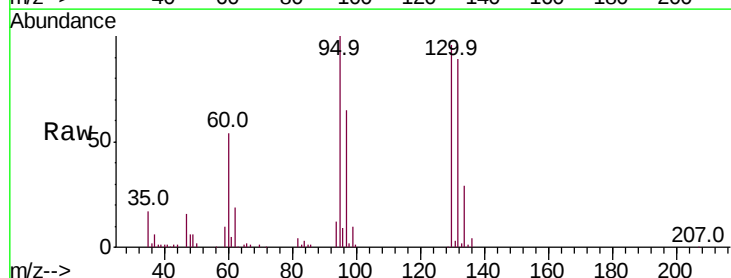
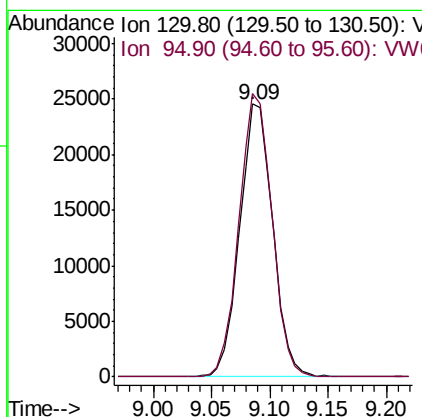
RT: 9.09 min Scan# 1178

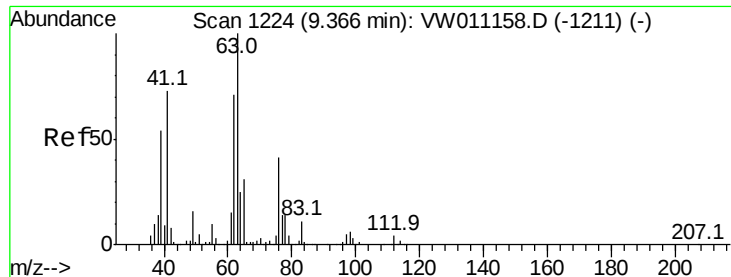
Delta R.T. -0.01 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion:	130	Resp:	48635
Ion	Ratio	Lower	Upper
130	100		
95	103.8	0.0	203.6





#45

1,2-Dichloropropane

Concen: 18.045 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion: 63 Resp: 53317

Ion Ratio Lower Upper

63 100

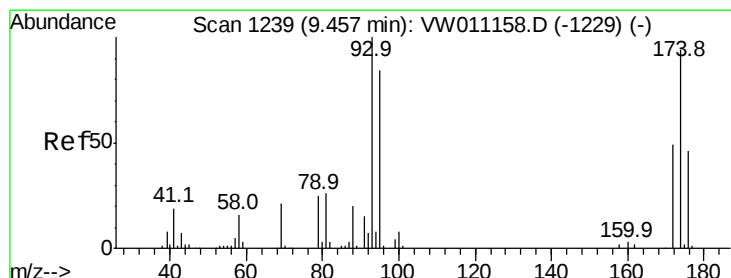
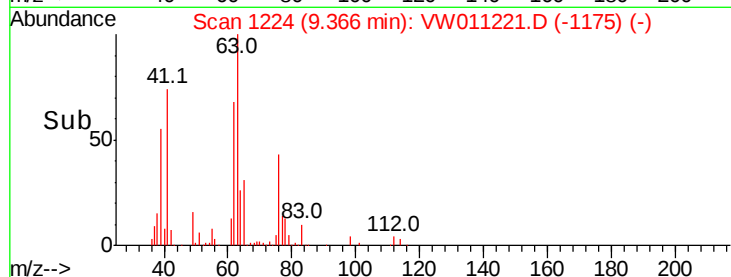
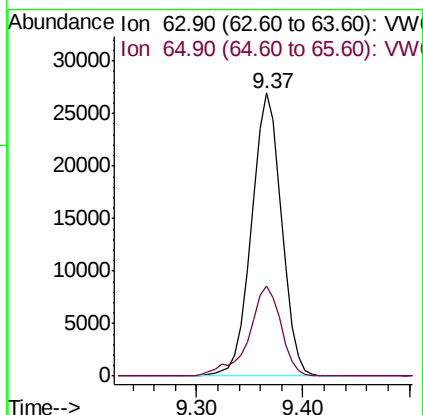
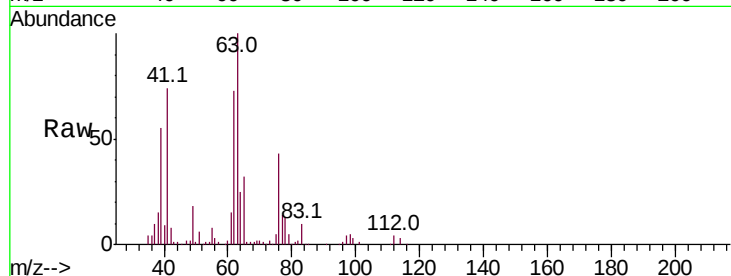
65 32.0 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 17.310 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

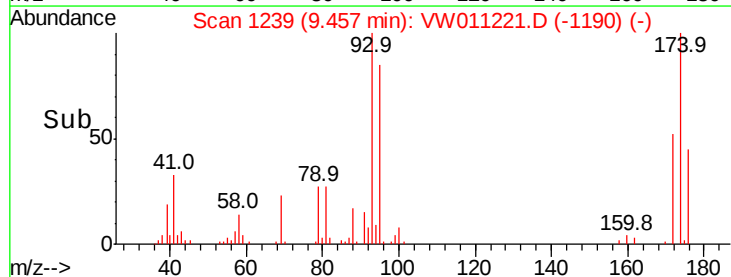
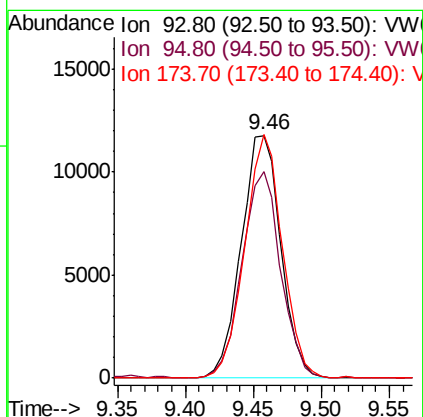
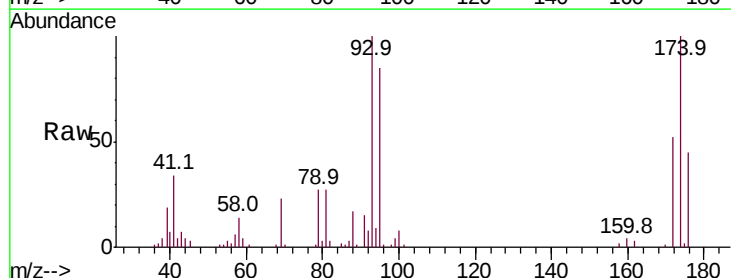
Tgt Ion: 93 Resp: 24025

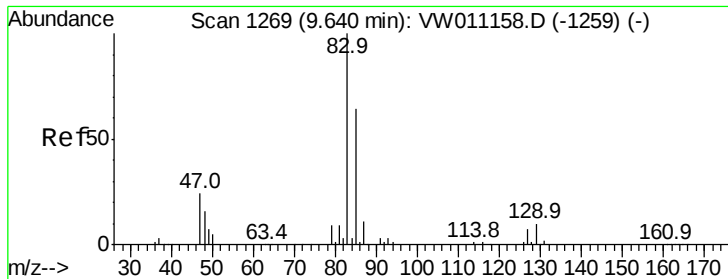
Ion Ratio Lower Upper

93 100

95 83.0 67.2 100.8

174 95.1 76.3 114.5





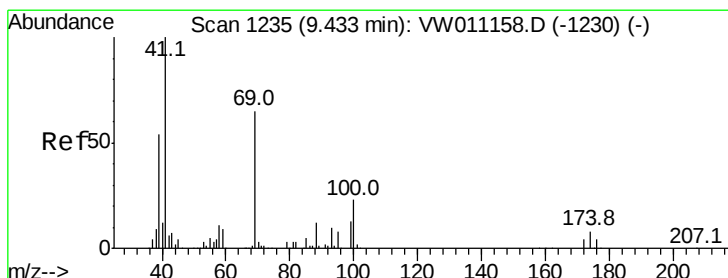
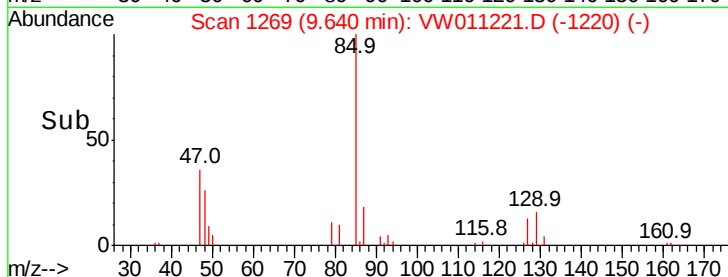
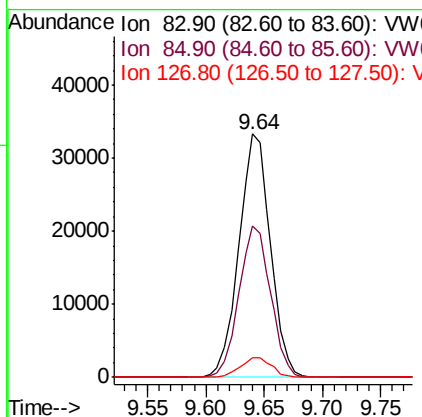
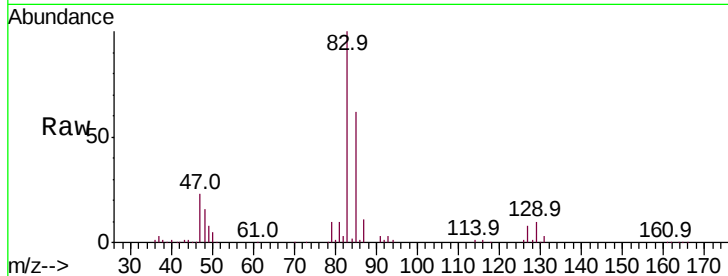
#47
Bromodichloromethane
Concen: 17.650 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	83	Resp	62678
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	51.0	76.4
127	8.2	6.0	9.0

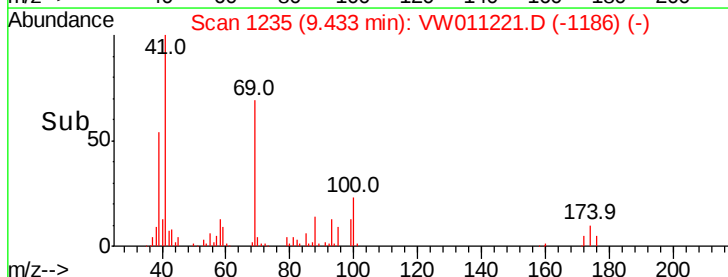
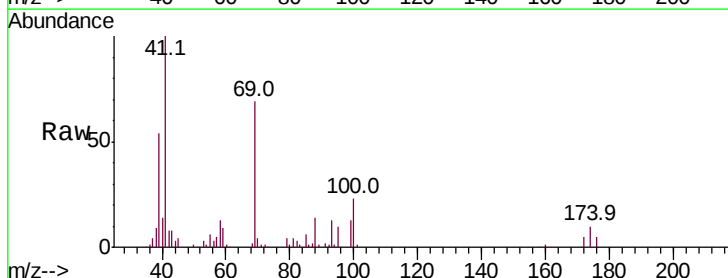
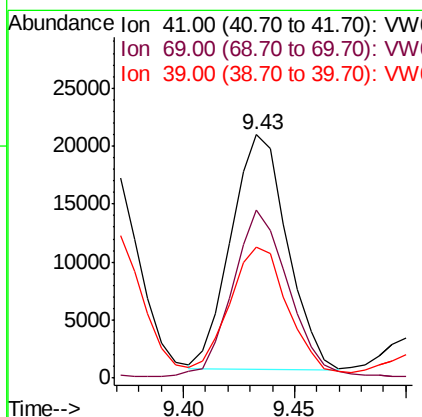
Manual Integrations
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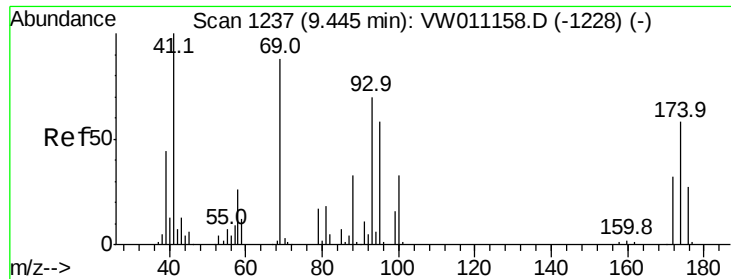
MMDadoda
7/15/2019 2:05:55 PM



#48
Methyl methacrylate
Concen: 16.419 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	41	Resp	35376
Ion Ratio	100	Lower	Upper
41	100		
69	73.7	56.0	84.0
39	54.4	43.5	65.3





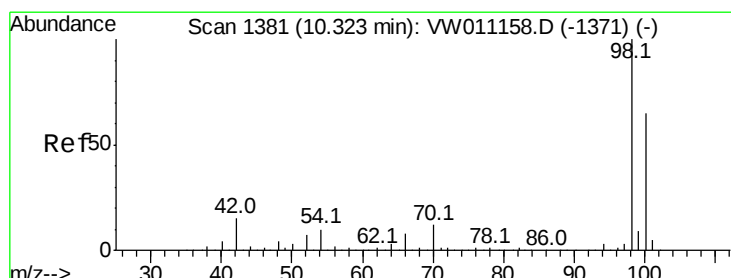
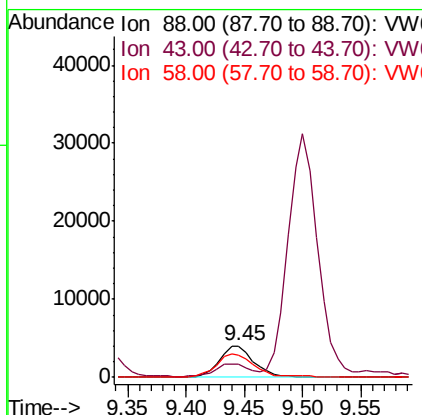
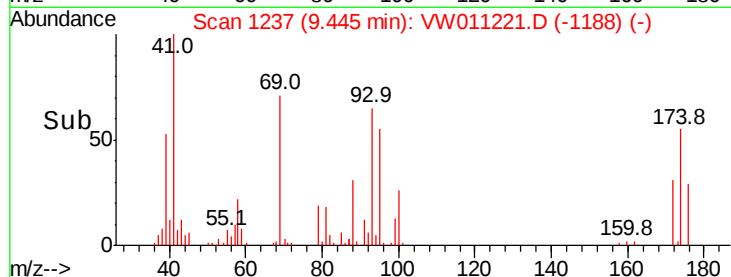
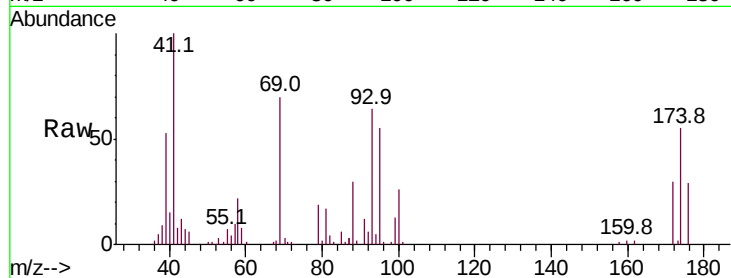
#49
1,4-Dioxane
Concen: 353.782 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	33.4	50.0
58	81.6	64.5	96.7

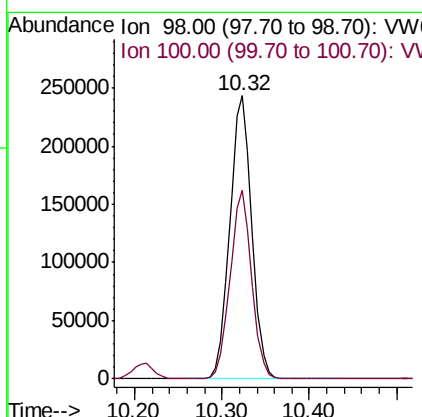
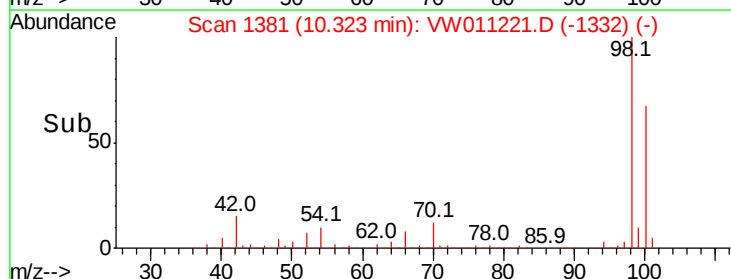
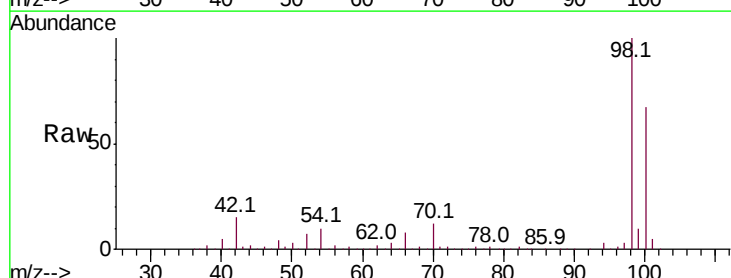
Manual Integrations
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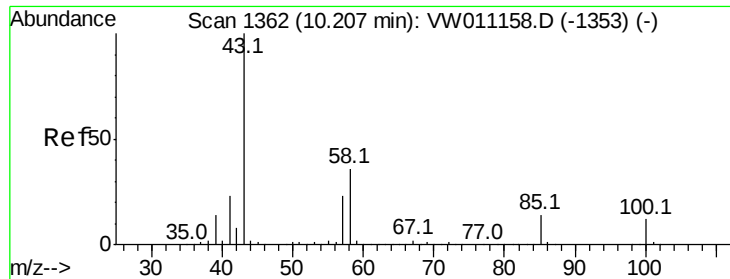
MMDadoda
7/15/2019 2:05:55 PM



#50
Toluene-d8
Concen: 47.444 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 82.012 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampled :

VW0712SBS01

Tot Ion: 43 Resp: 191860

Ion Ratio Lower Upper

43 100

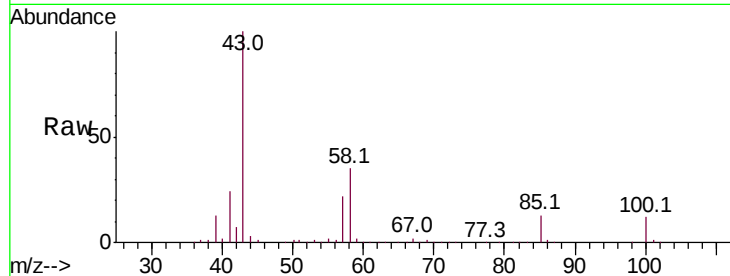
58 34.9 28.2 42.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

120000

100000

80000

60000

40000

20000

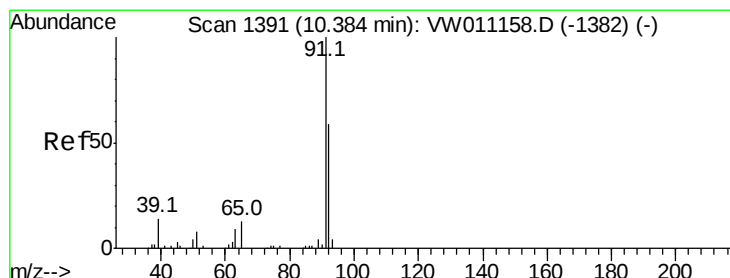
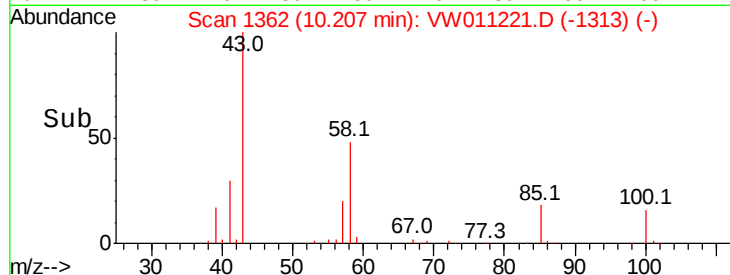
0

10.10

10.20

10.30

Time-->



#52

Toluene

Concen: 18.534 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011221.D

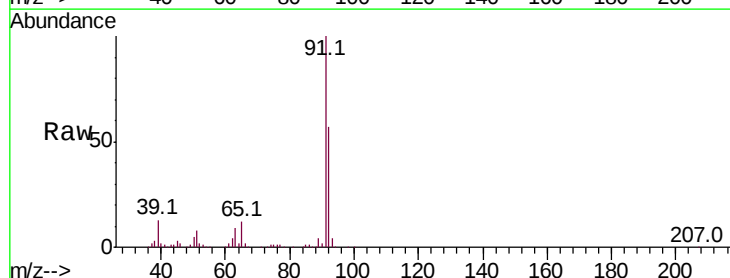
Acq: 11 Jul 2019 11:35

Tgt Ion: 92 Resp: 122669

Ion Ratio Lower Upper

92 100

91 172.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

100000

50000

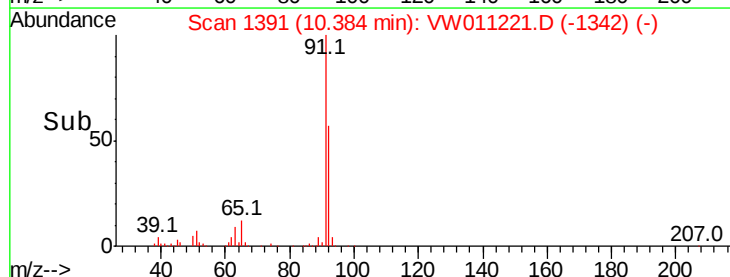
0

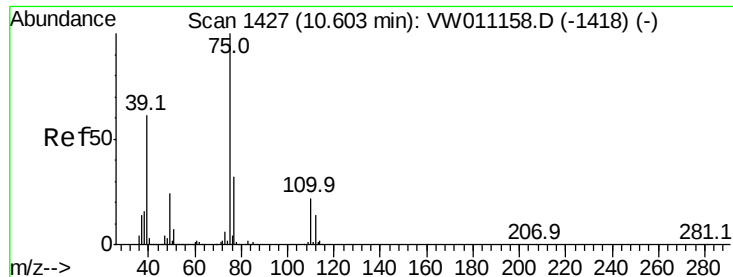
10.30

10.40

10.50

Time-->





#53

t-1,3-Dichloropropene

Concen: 16.872 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion: 75 Resp: 63778

Ion Ratio Lower Upper

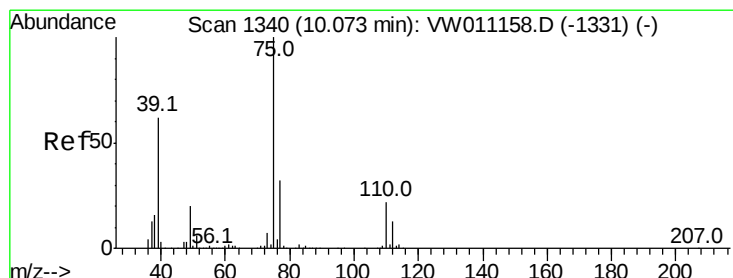
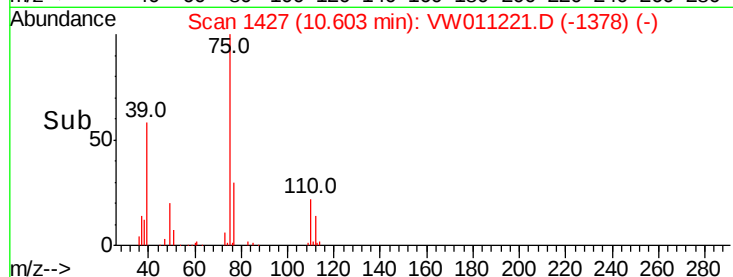
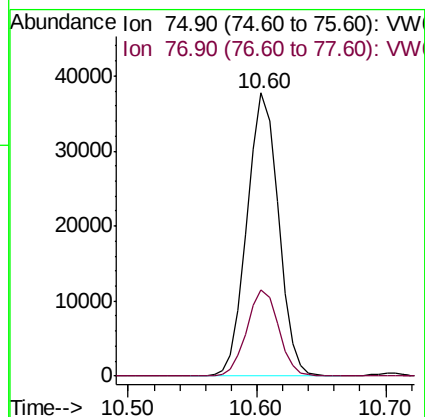
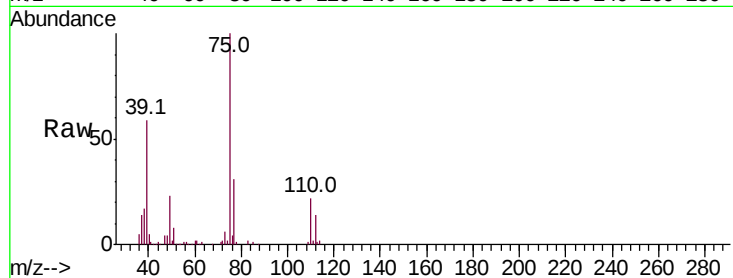
75 100

77 30.6 25.4 38.0

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#54

cis-1,3-Dichloropropene

Concen: 17.447 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

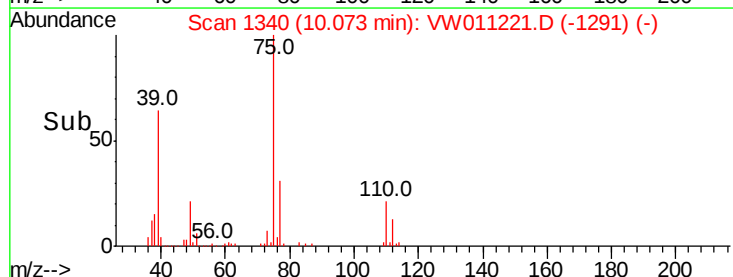
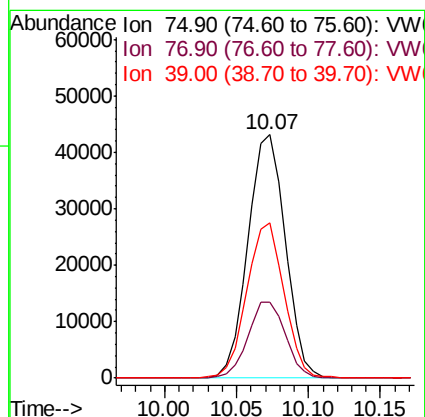
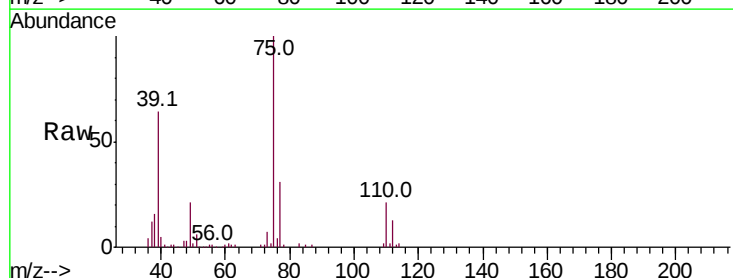
Tgt Ion: 75 Resp: 77626

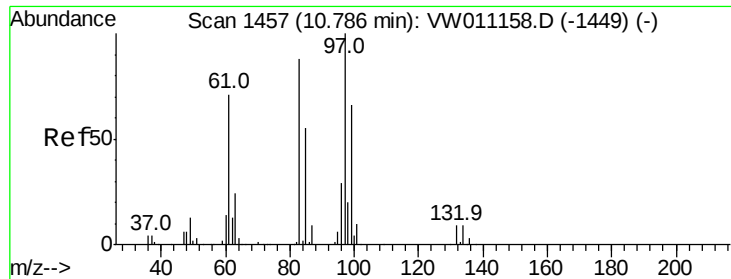
Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

39 63.8 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 17.932 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion: 97 Resp: 35307

Ion Ratio Lower Upper

97 100

83 85.1 70.2 105.4

85 56.5 44.2 66.2

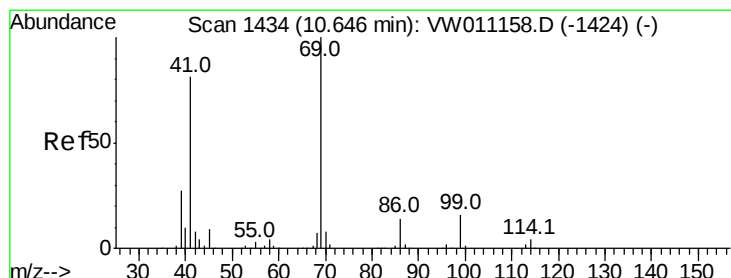
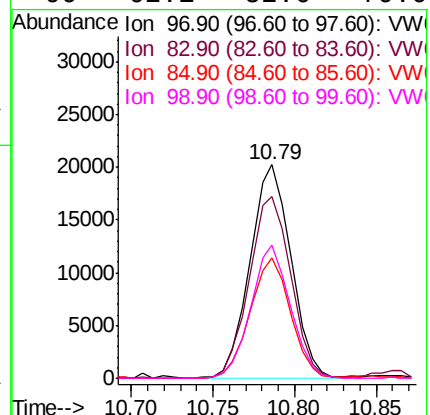
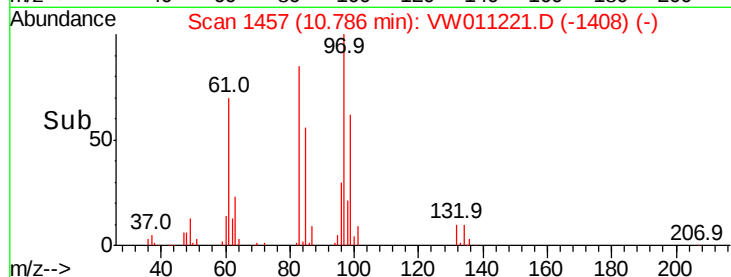
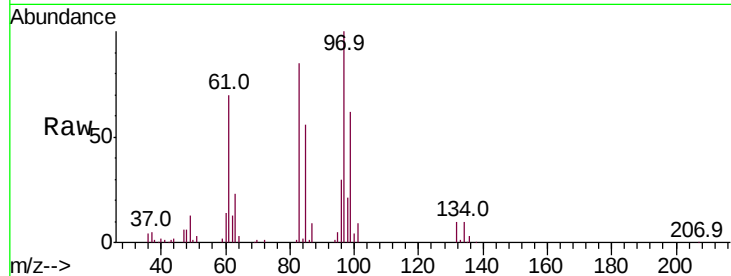
99 62.1 52.6 79.0

Manual Integrations

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#56

Ethyl methacrylate

Concen: 16.778 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

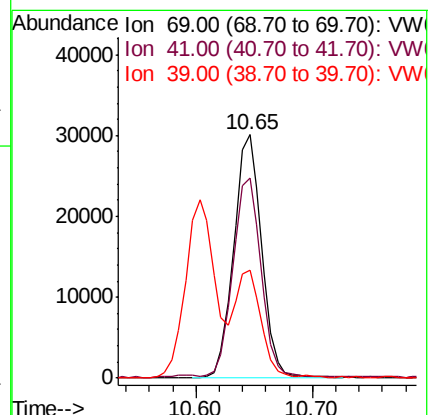
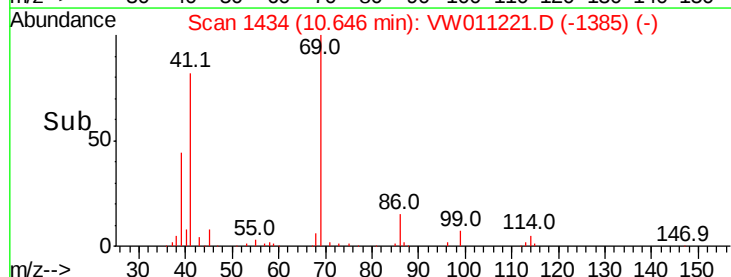
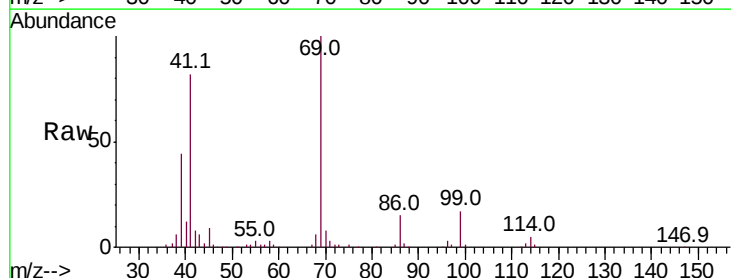
Tgt Ion: 69 Resp: 50296

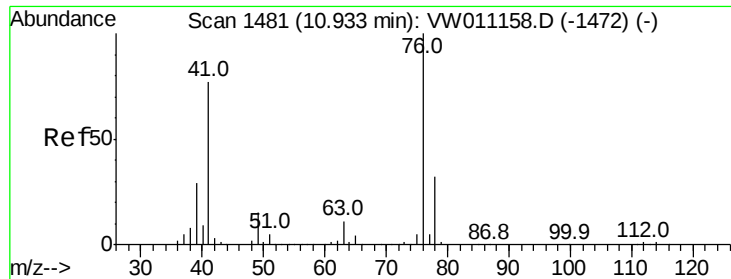
Ion Ratio Lower Upper

69 100

41 81.5 66.5 99.7

39 40.2 32.5 48.7





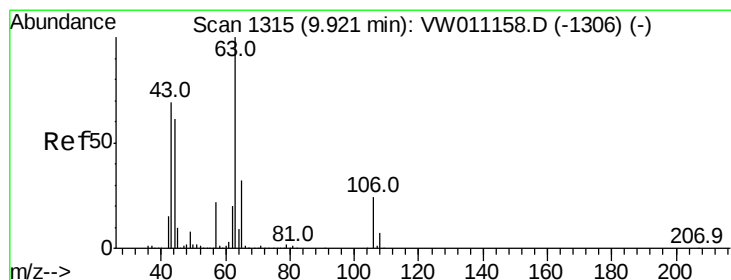
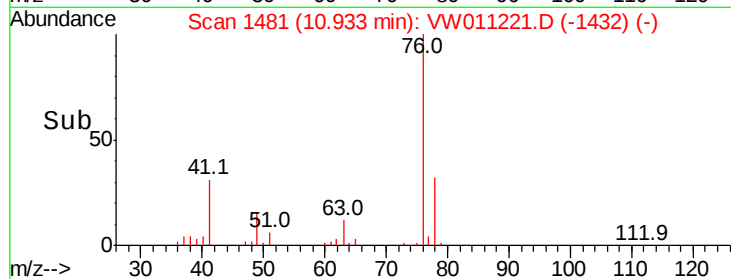
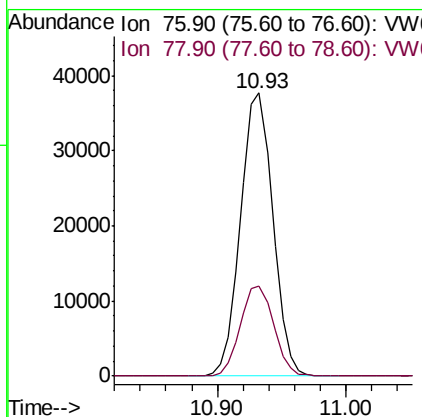
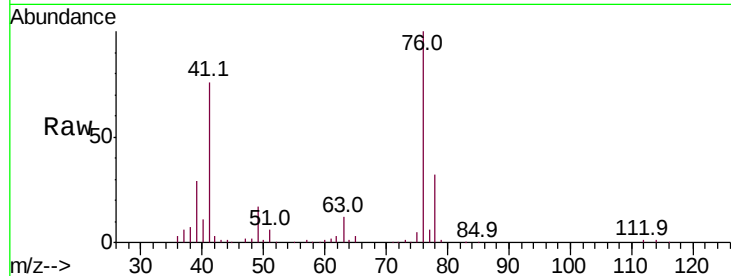
#57
 1,3-Dichloropropane
 Concen: 17.617 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion: 76 Resp: 65593
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.2

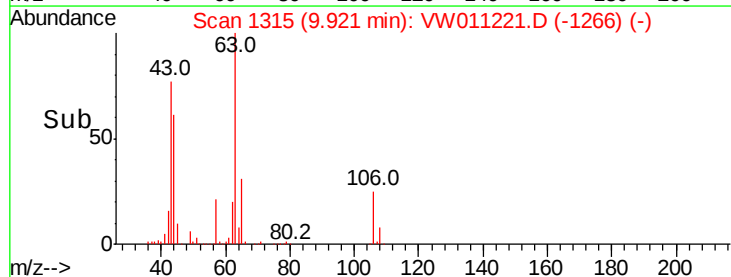
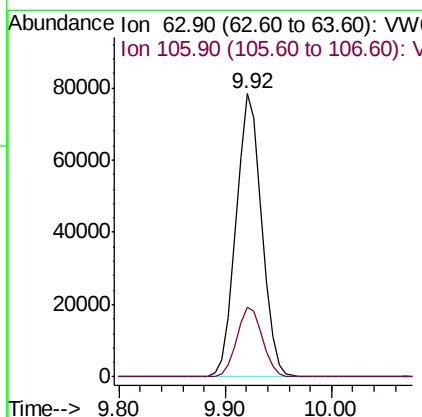
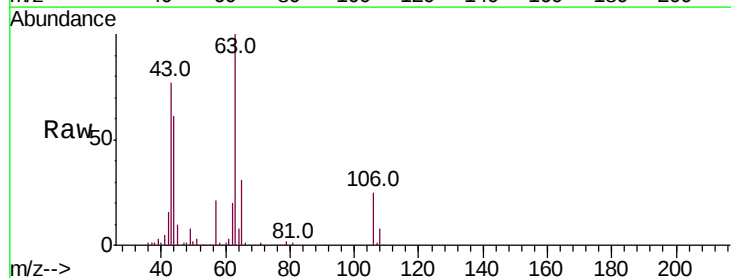
Manual Integrations
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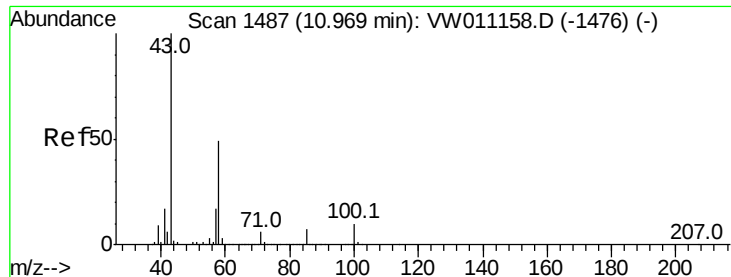
MMDadoda
 7/15/2019 2:05:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.534 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion: 63 Resp: 132768
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.4 29.0





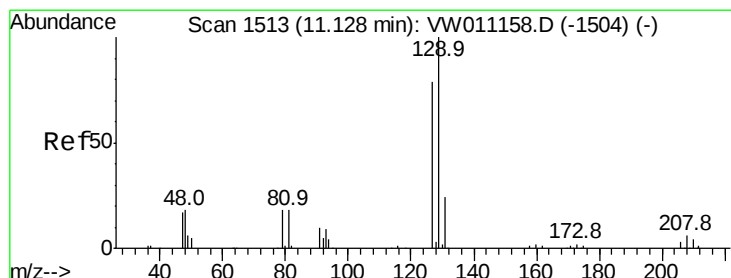
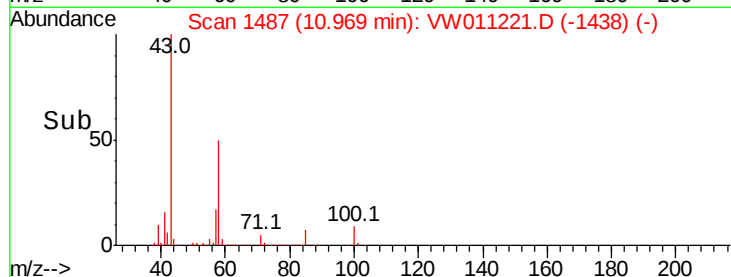
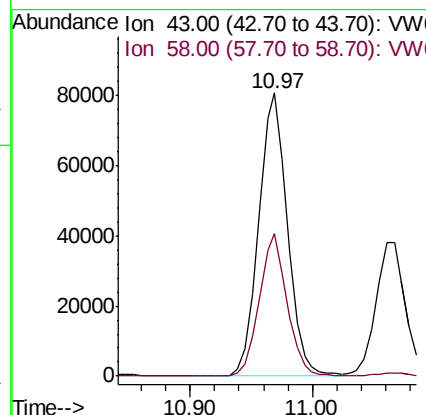
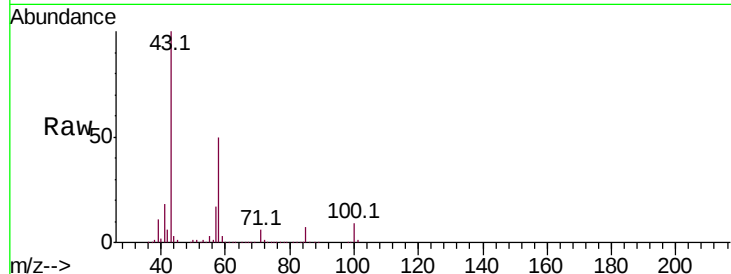
#59
2-Hexanone
Concen: 81.311 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion: 43 Resp: 131918
Ion Ratio Lower Upper
43 100
58 48.9 24.4 73.4

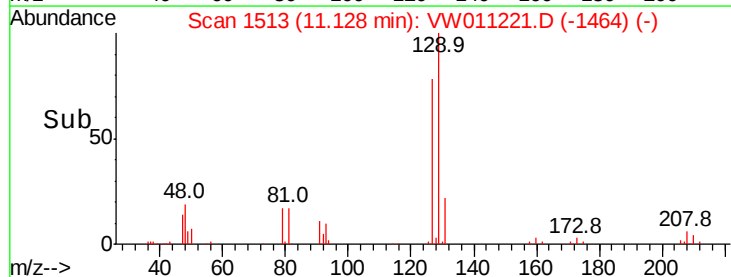
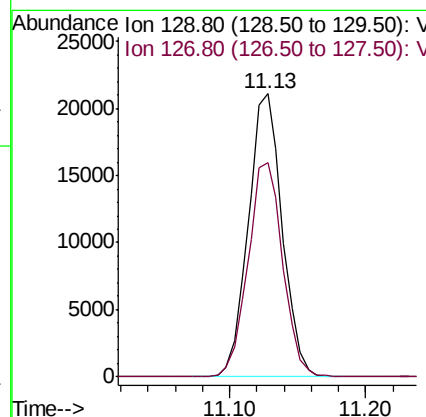
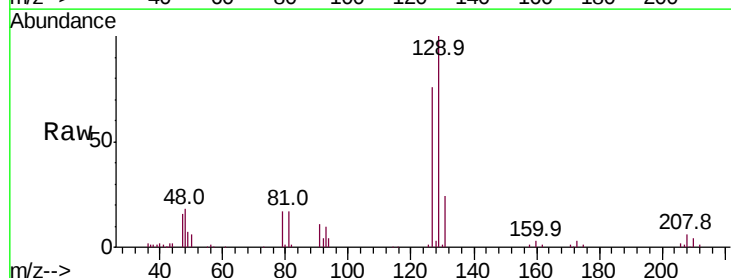
Manual Integrations
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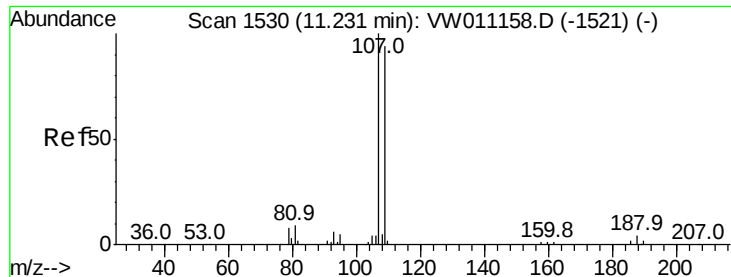
MMDadoda
7/15/2019 2:05:55 PM



#60
Dibromochloromethane
Concen: 17.050 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 129 Resp: 36814
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3





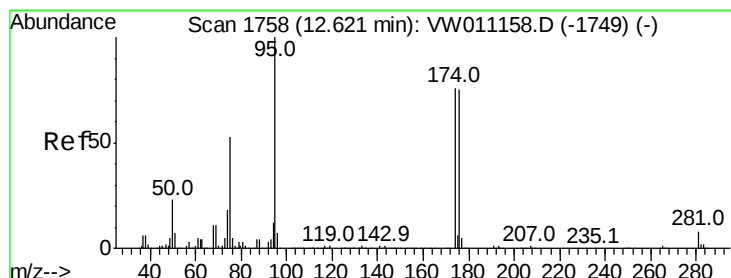
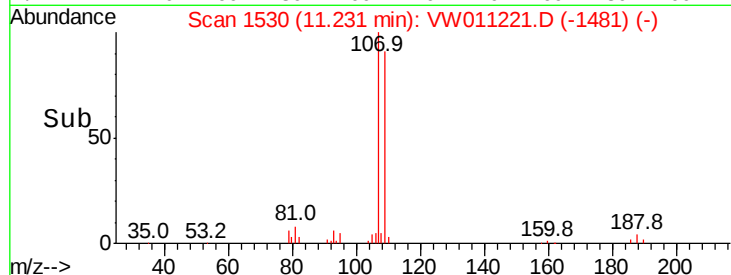
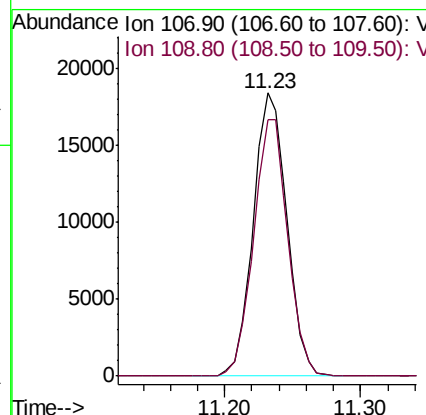
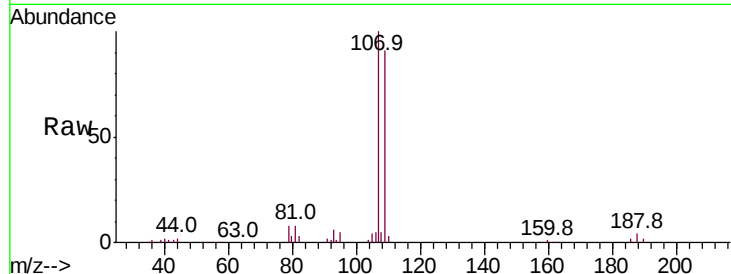
#61
 1,2-Dibromoethane
 Concen: 17.104 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.2	112.8

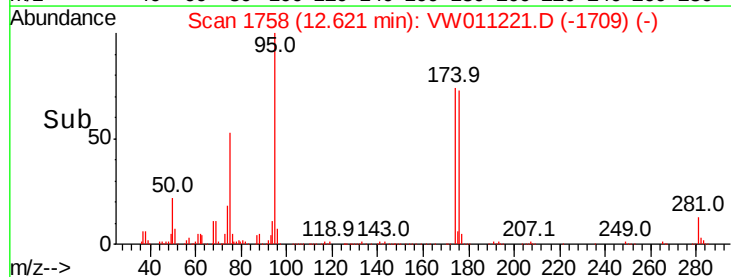
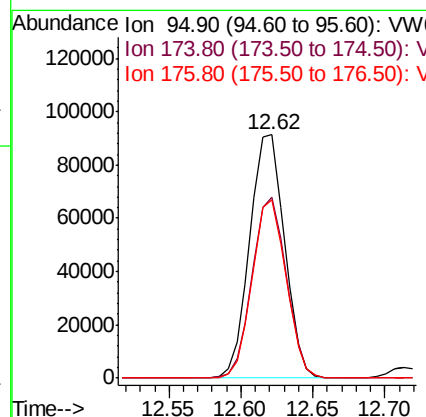
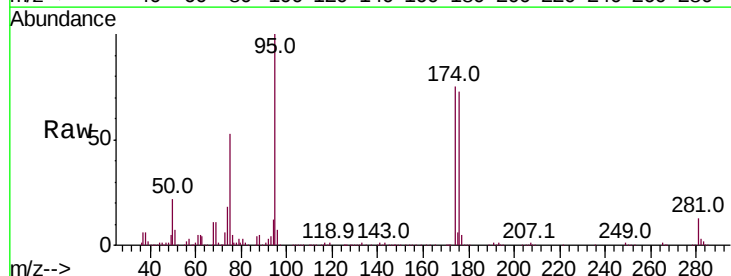
Manual Integrations
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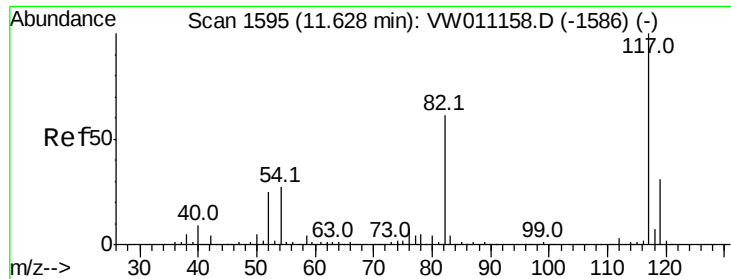
MMDadoda
 7/15/2019 2:05:55 PM



#62
 4-Bromofluorobenzene
 Concen: 46.675 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	147.6
176	71.3	0.0	144.6





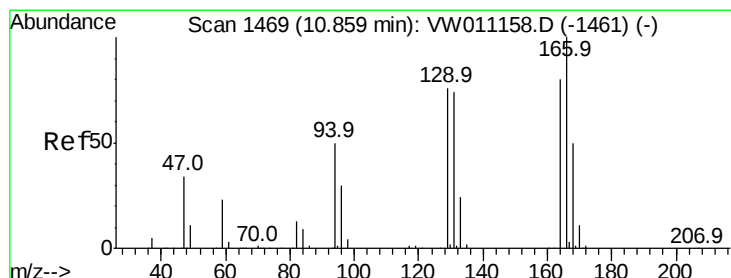
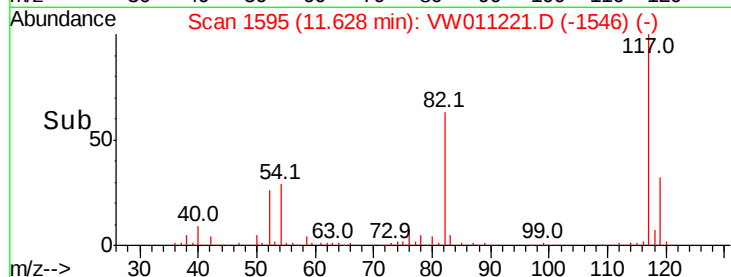
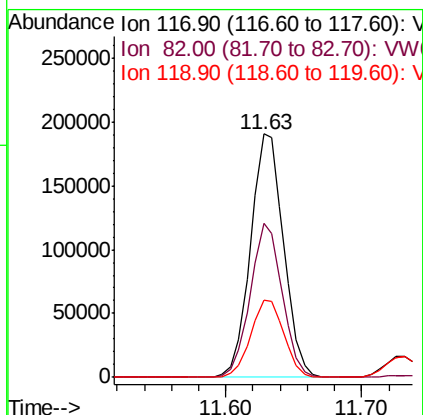
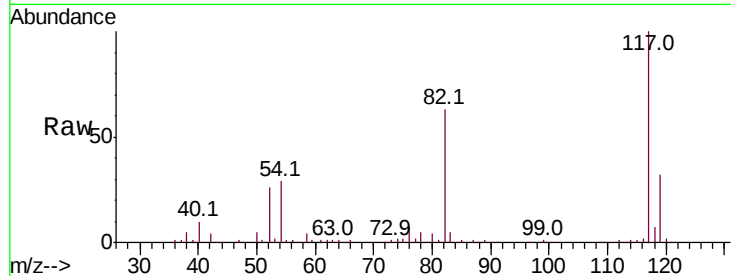
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.4	48.9	73.3
119	31.8	25.0	37.6

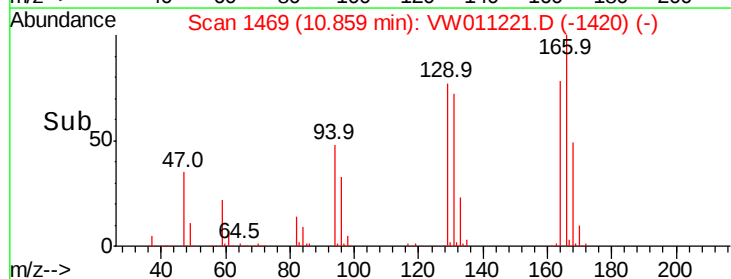
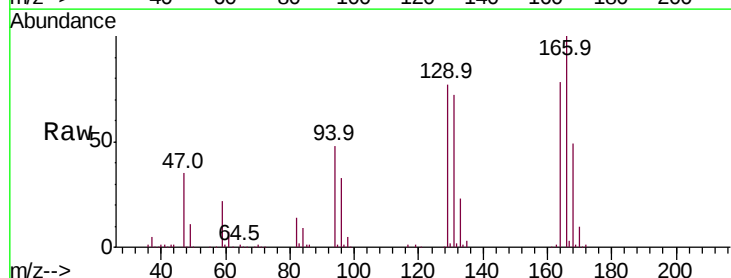
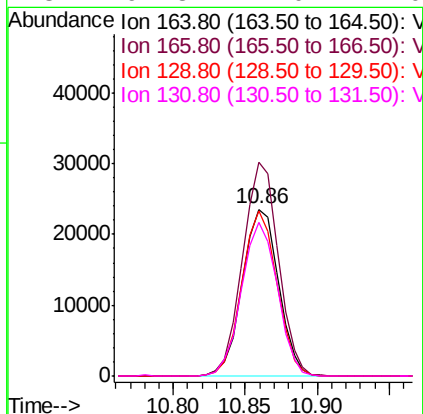
Manual Integrations
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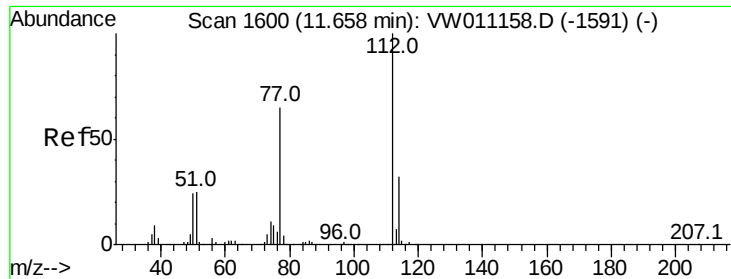
MMDadoda
7/15/2019 2:05:55 PM



#64
Tetrachloroethene
Concen: 18.781 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	99.7	149.5
129	99.2	76.2	114.2
131	91.8	74.0	111.0





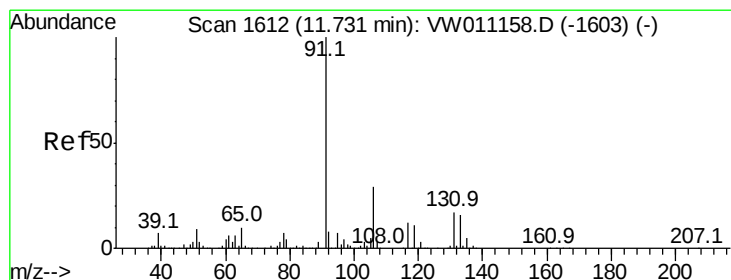
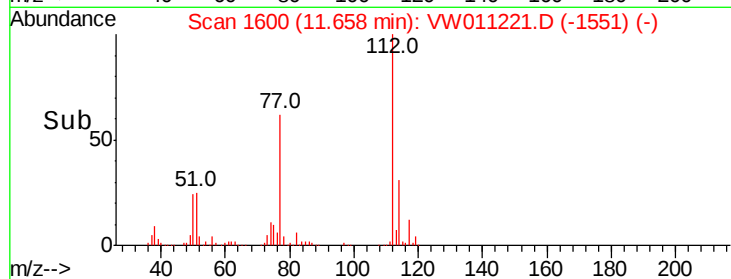
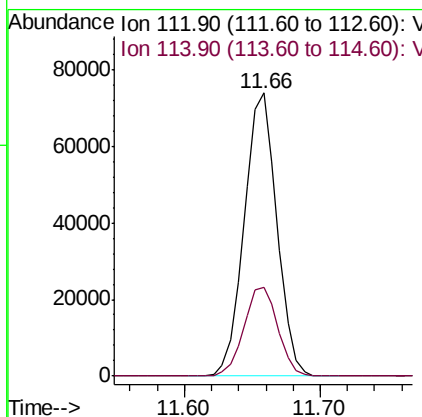
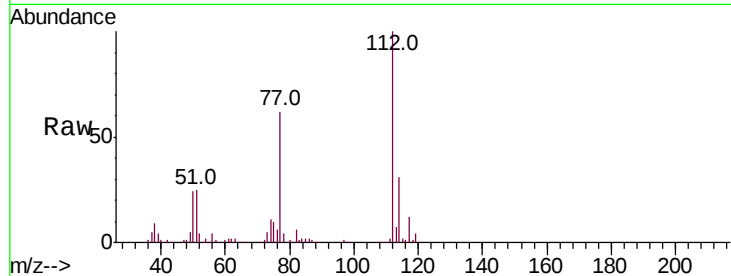
#65
Chlorobenzene
Concen: 18.792 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	25.5	38.3

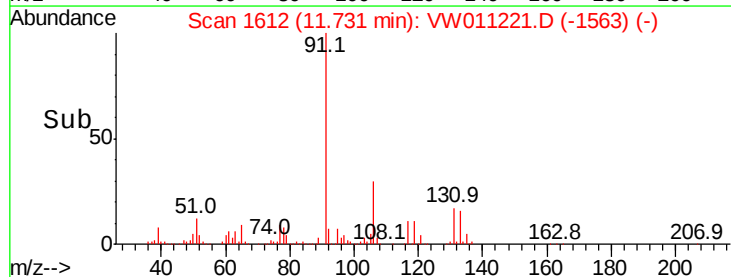
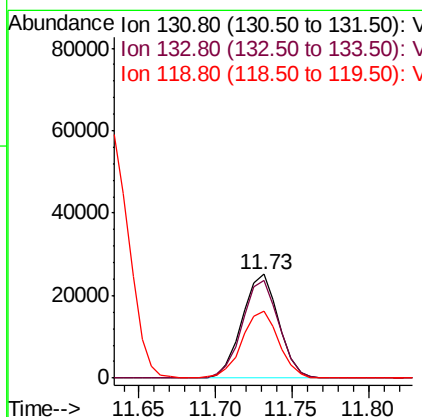
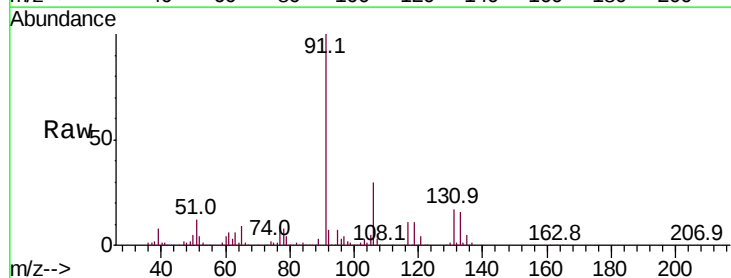
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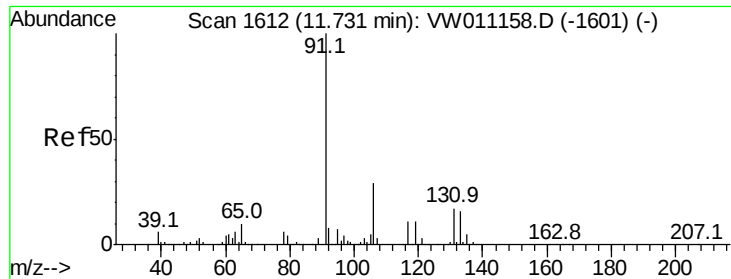
MMDadoda
7/15/2019 2:05:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.046 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.9	143.8
119	65.1	33.1	99.2





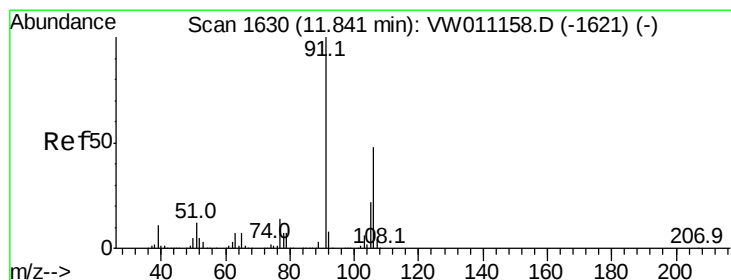
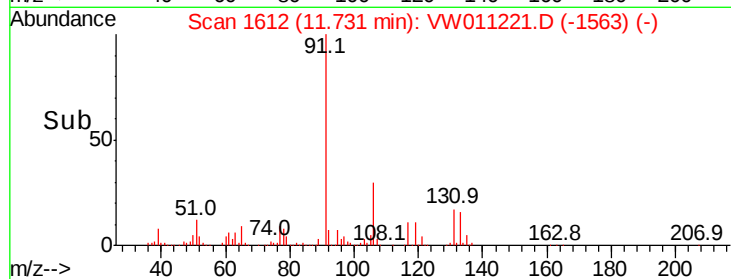
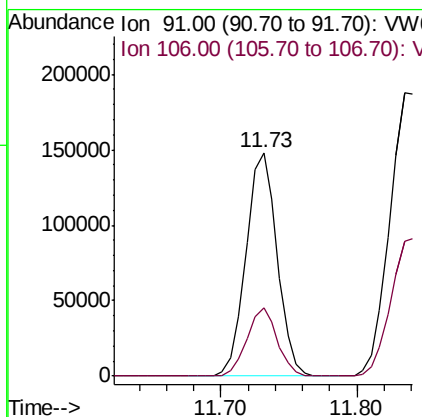
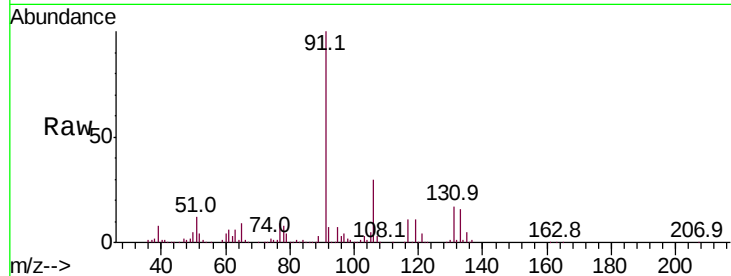
#67
Ethyl Benzene
Concen: 18.793 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	91	106	Ratio	Lower	Upper
Resp:	237178				
Ion	100	30.4		23.5	35.3

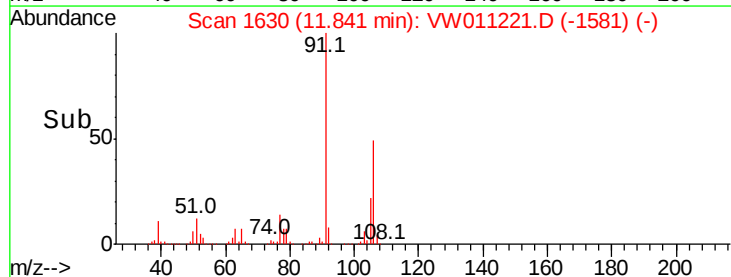
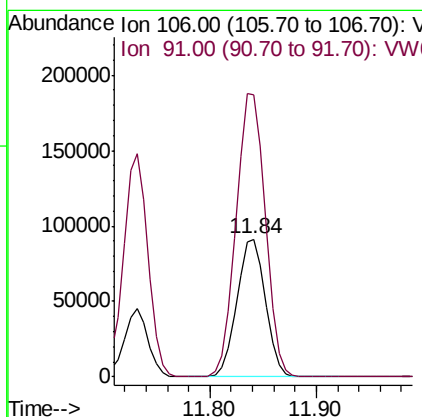
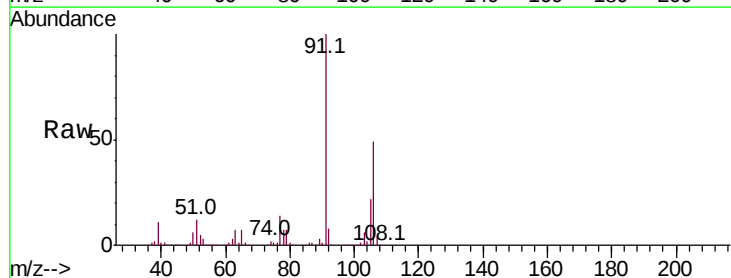
Manual Integrations
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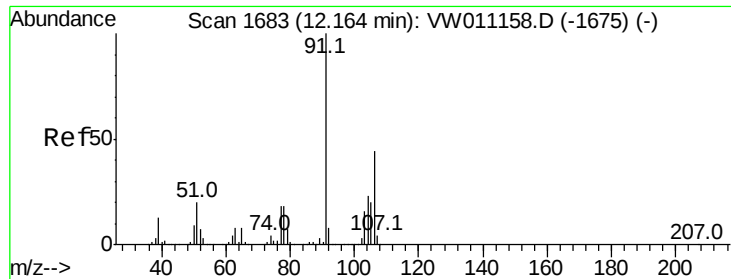
MMDadoda
7/15/2019 2:05:55 PM



#68
m/p-Xylenes
Concen: 37.638 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	106	91	Ratio	Lower	Upper
Resp:	171875				
Ion	100	211.2		167.7	251.5





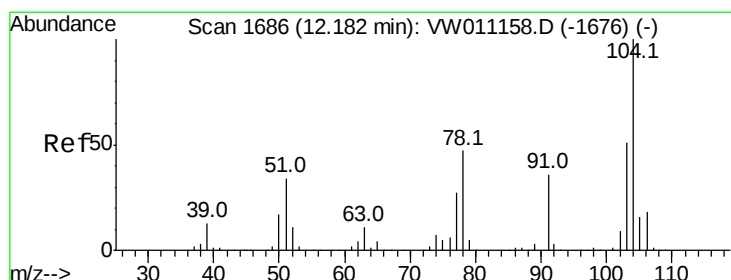
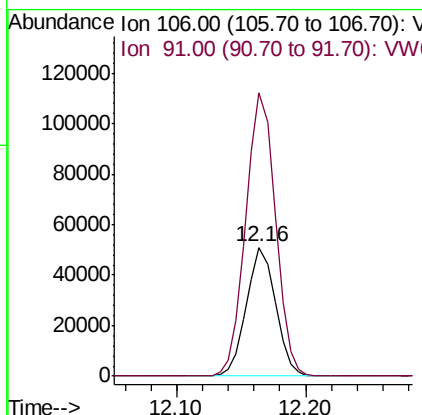
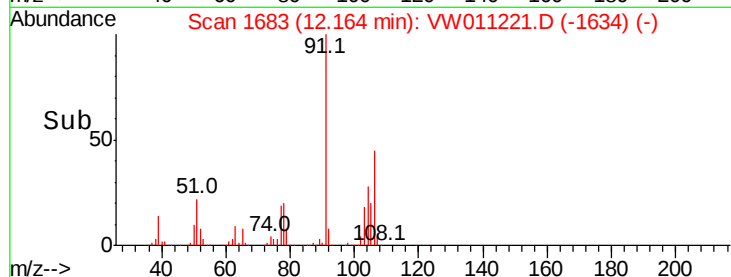
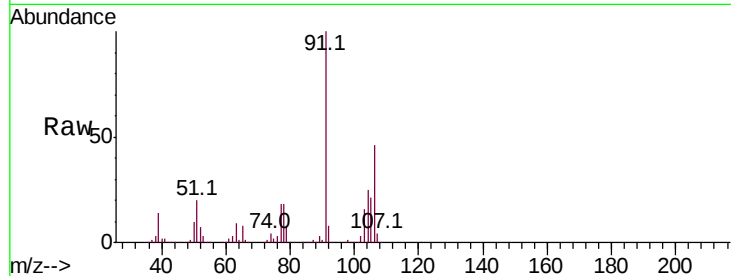
#69
o-Xylene
Concen: 18.574 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion:106 Resp: 79946
Ion Ratio Lower Upper
106 100
91 223.5 110.7 332.1

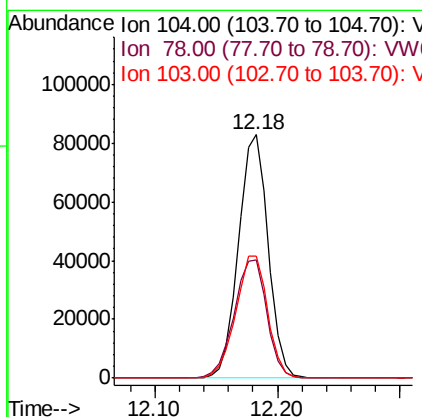
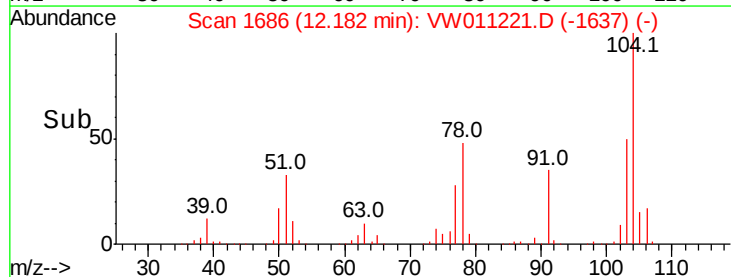
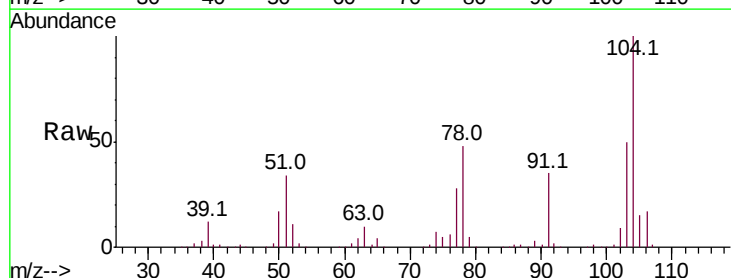
Manual Integrations
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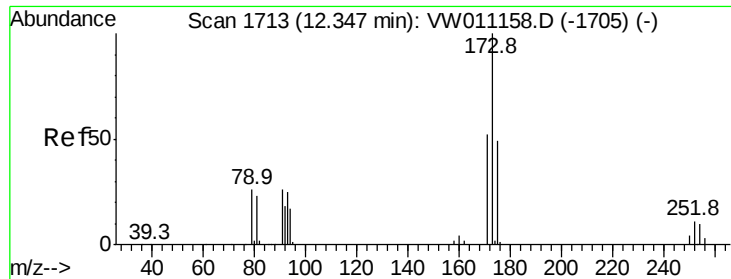
MMDadoda
7/15/2019 2:05:55 PM



#70
Styrene
Concen: 18.688 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion:104 Resp: 138814
Ion Ratio Lower Upper
104 100
78 53.9 43.1 64.7
103 54.1 44.1 66.1





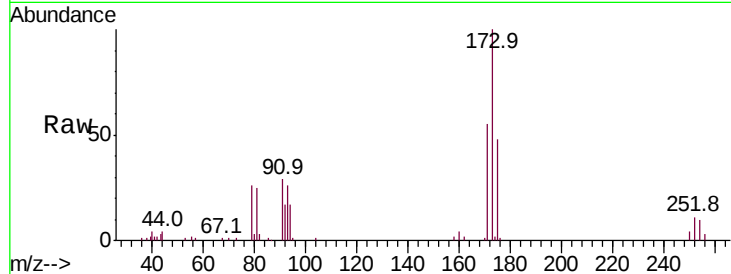
#71
Bromoform
Concen: 15.653 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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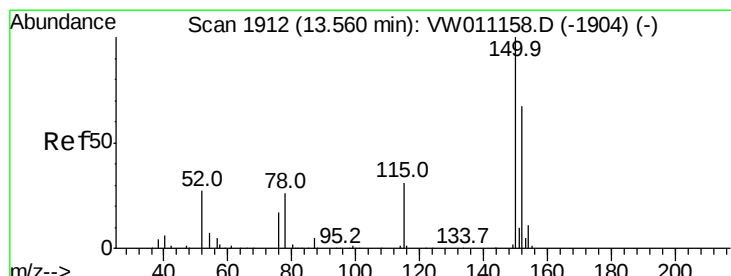
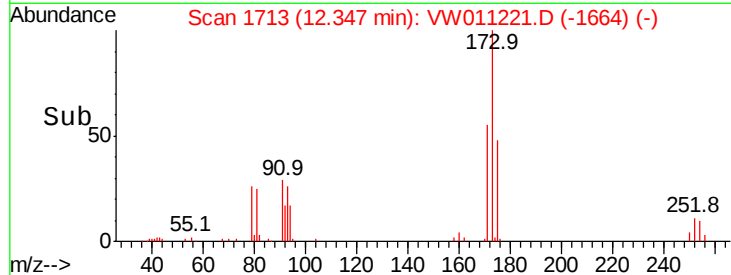
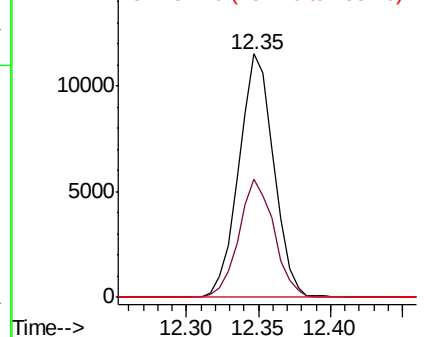


Abundance

Ion 172.70 (172.40 to 173.40): V

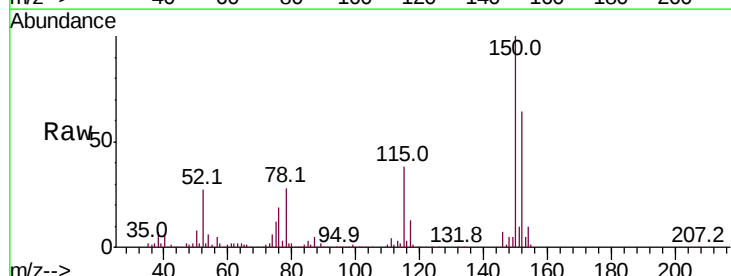
Ion 174.70 (174.40 to 175.40): V

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: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.3
150	162.0	0.0	346.0

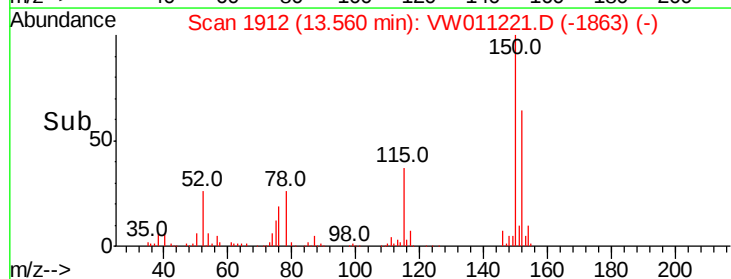
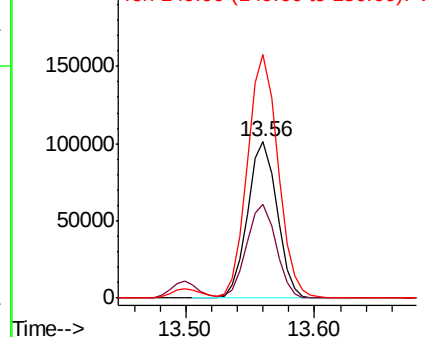


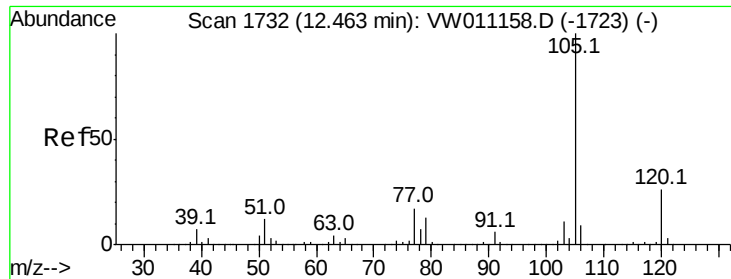
Abundance

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





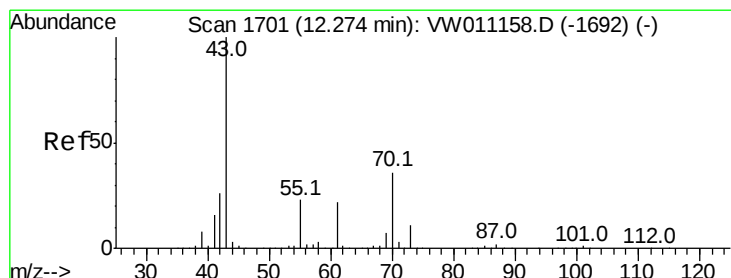
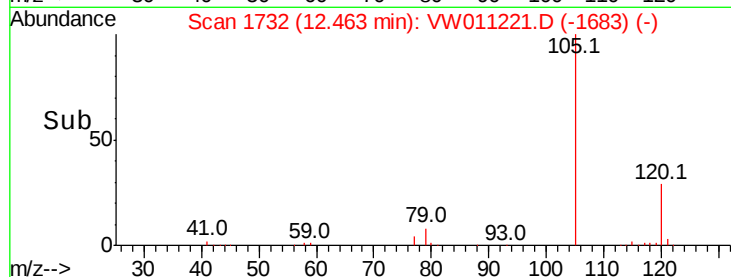
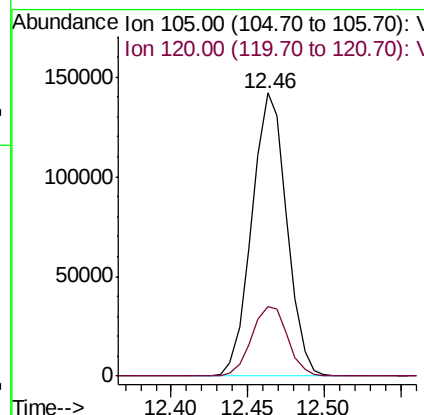
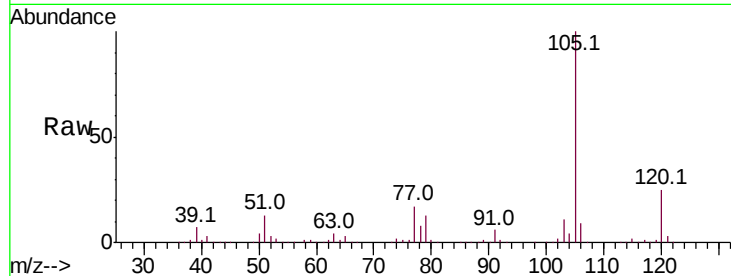
#73
Isopropylbenzene
Concen: 18.918 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion: 105 Resp: 225705
Ion Ratio Lower Upper
105 100
120 25.3 12.8 38.3

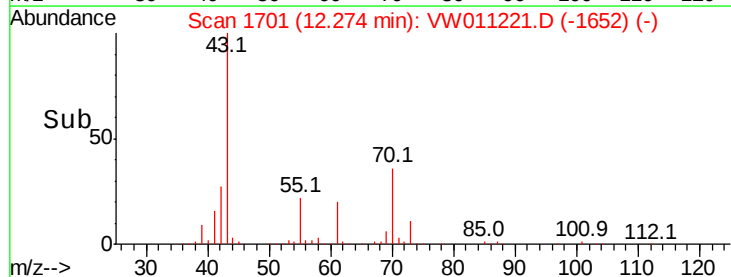
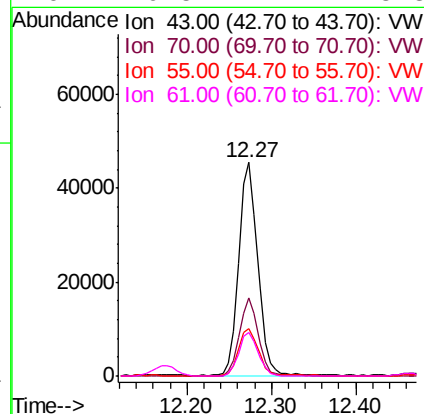
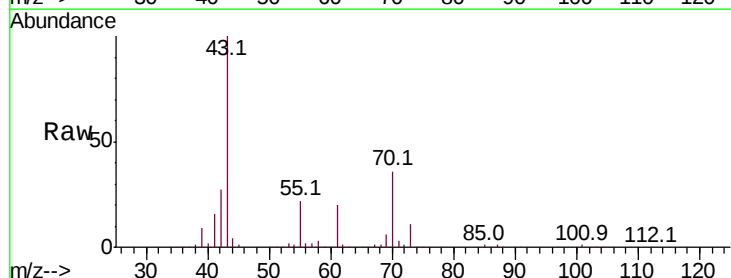
Manual Integrations
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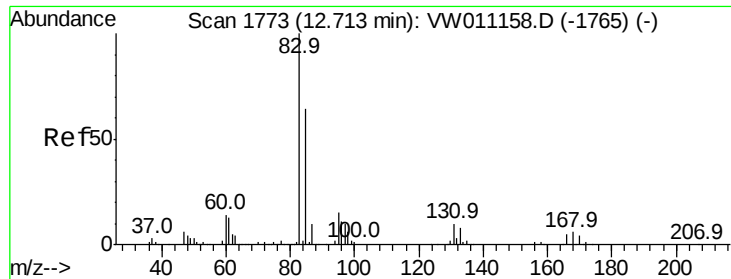
MMDadoda
7/15/2019 2:05:55 PM



#74
N-ethyl acetate
Concen: 16.990 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion: 43 Resp: 70596
Ion Ratio Lower Upper
43 100
70 35.7 28.5 42.7
55 23.6 18.1 27.1
61 20.5 17.2 25.8





#75

1,1,2,2-Tetrachloroethane

Concen: 16.923 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

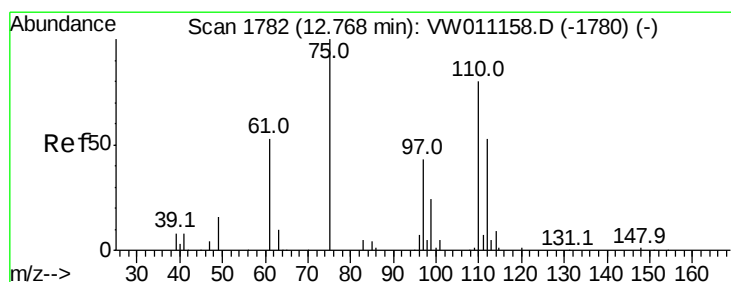
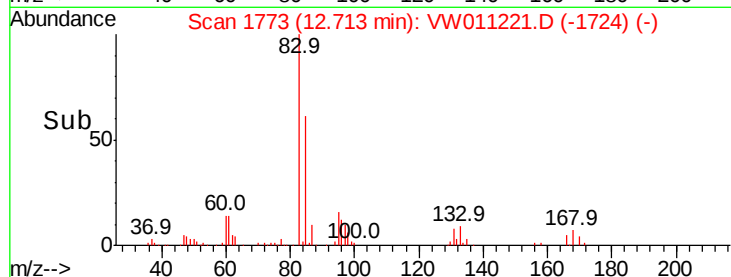
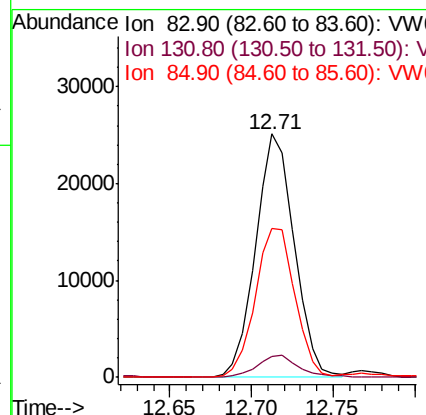
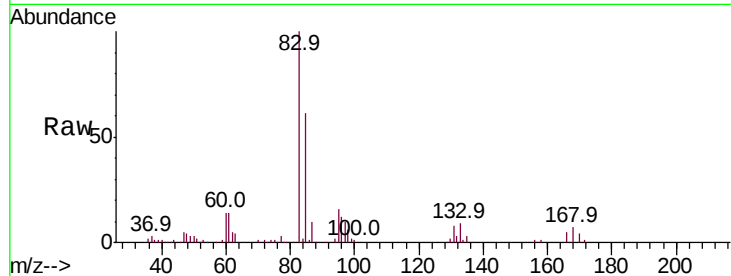
ClientSampleId :

VW0712SBS01

Tot Ion:	83	Resp:	41387
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	62.9	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 15.379 ug/l m

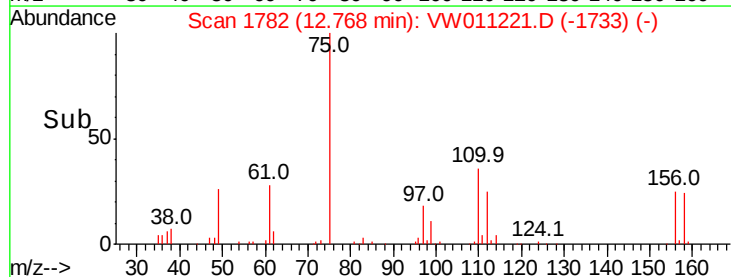
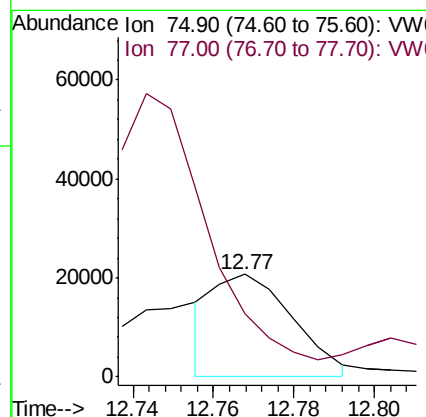
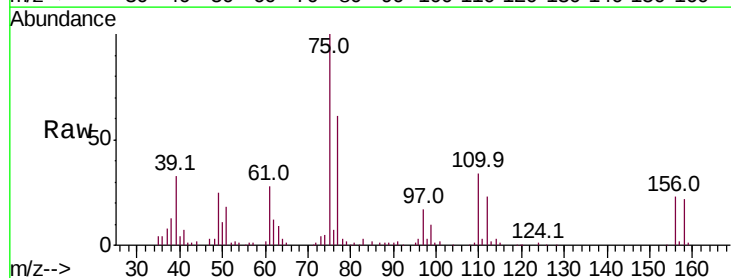
RT: 12.77 min Scan# 1782

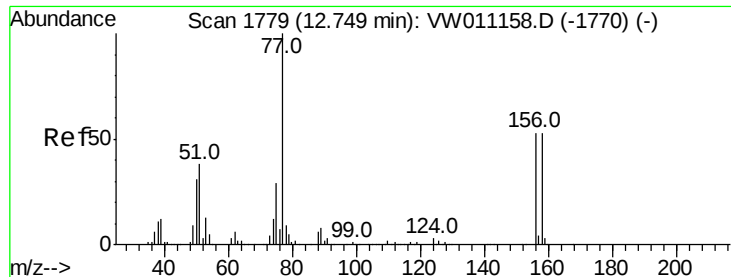
Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion:	75	Resp:	28364
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





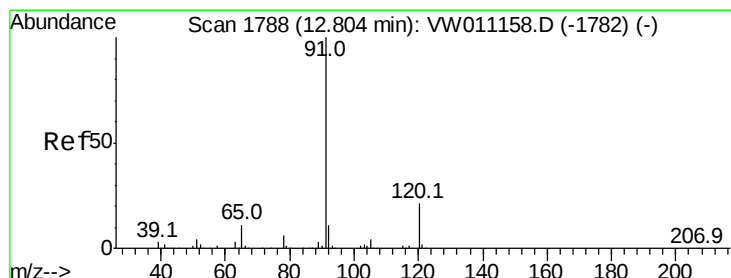
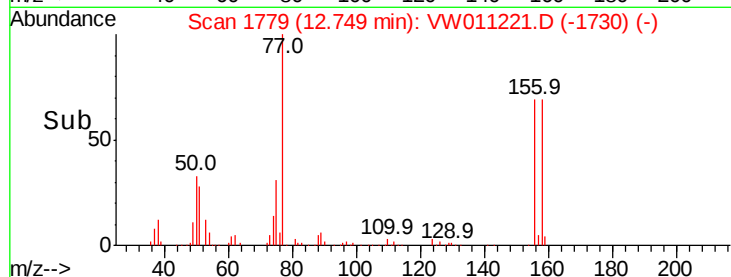
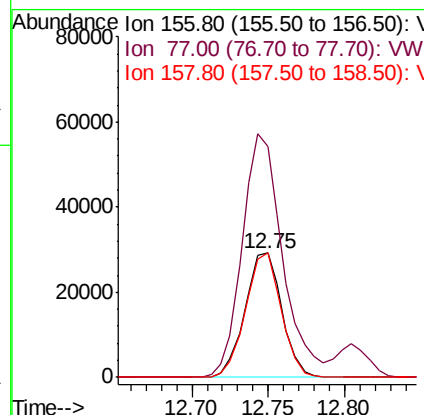
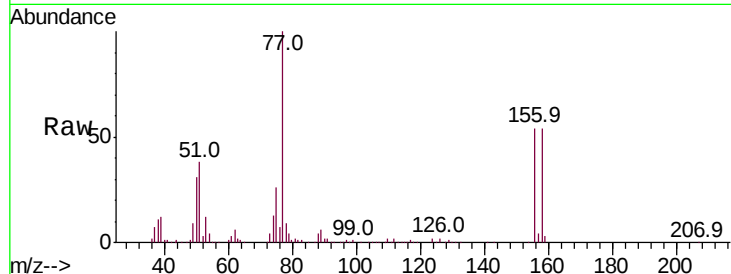
#77
Bromobenzene
Concen: 18.214 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	215.1	109.0	327.0
158	96.7	48.8	146.3

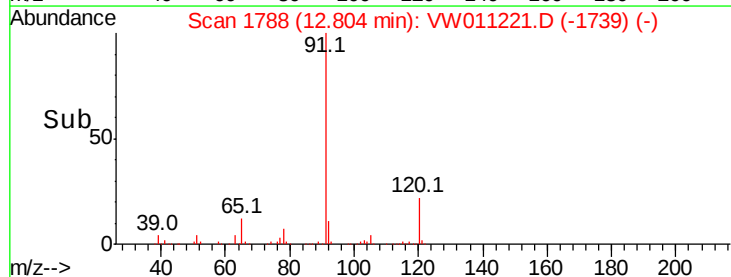
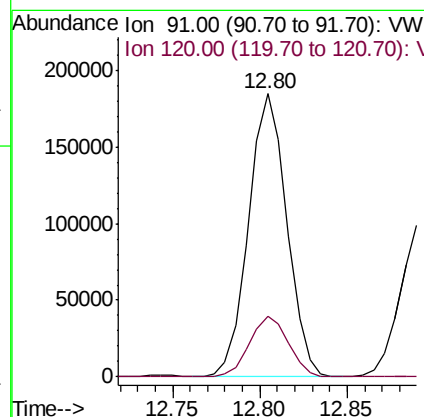
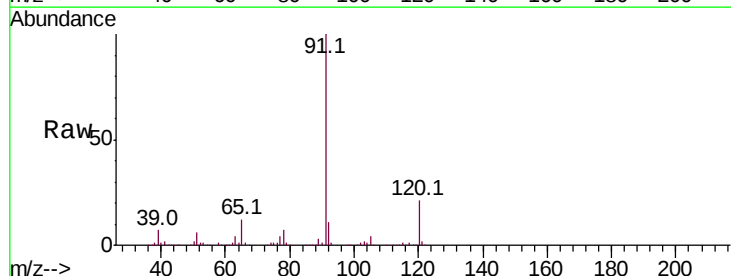
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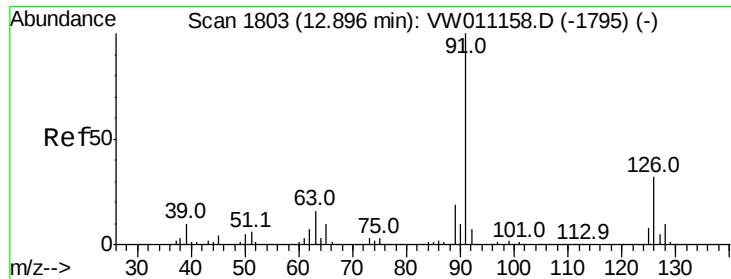
MMDadoda
7/15/2019 2:05:55 PM



#78
n-propylbenzene
Concen: 19.016 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.8	32.3





#79

2-Chlorotoluene

Concen: 18.648 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Instrument :

MSVOA_W

ClientSampleId :

VW0712SBS01

Tot Ion: 91 Resp: 157711

Ion Ratio Lower Upper

91 100

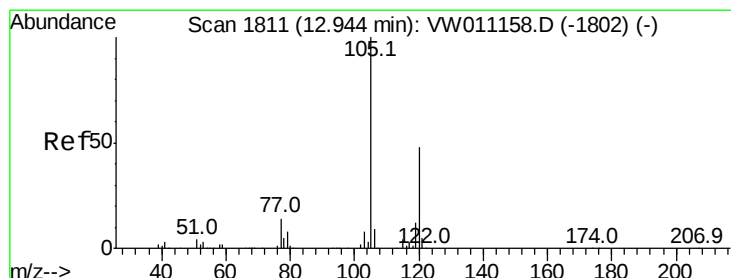
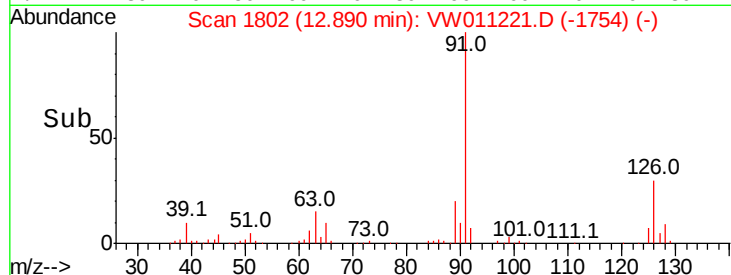
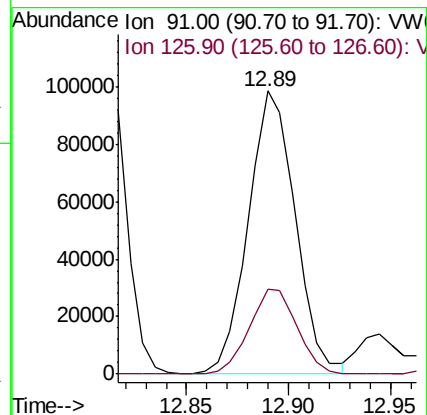
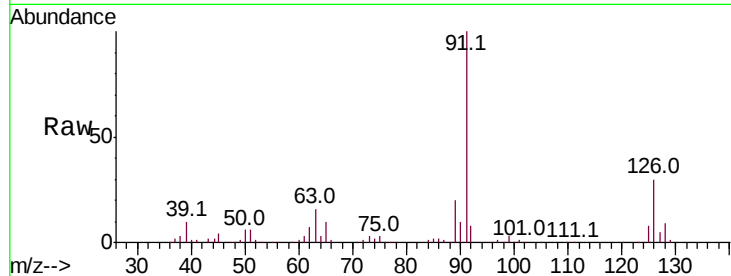
126 30.5 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 18.794 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011221.D

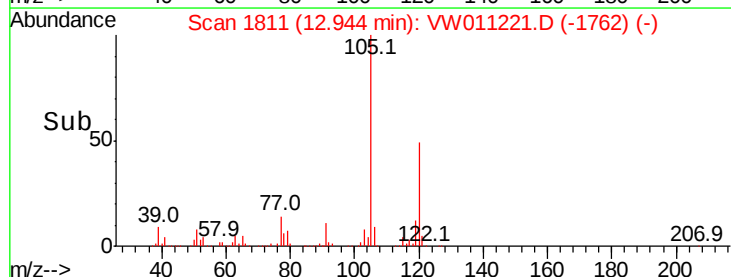
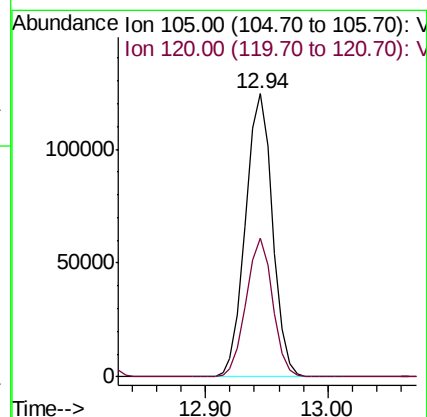
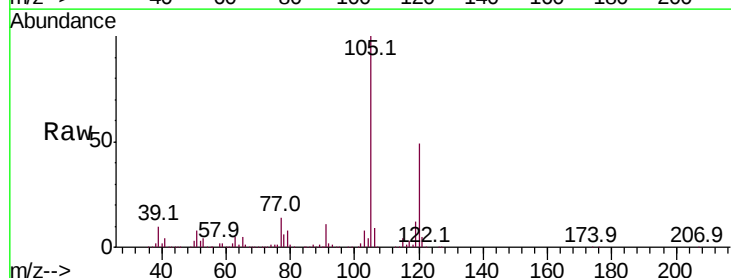
Acq: 11 Jul 2019 11:35

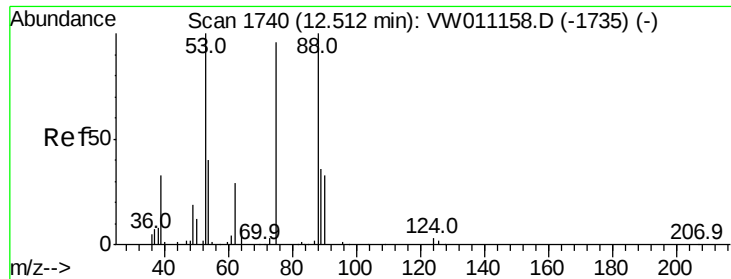
Tgt Ion: 105 Resp: 190494

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.2





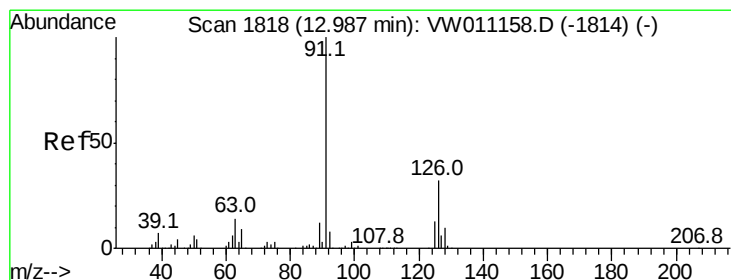
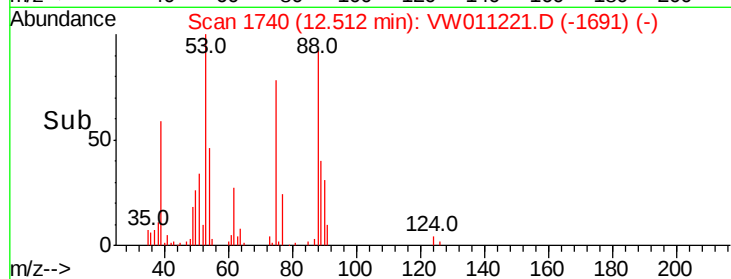
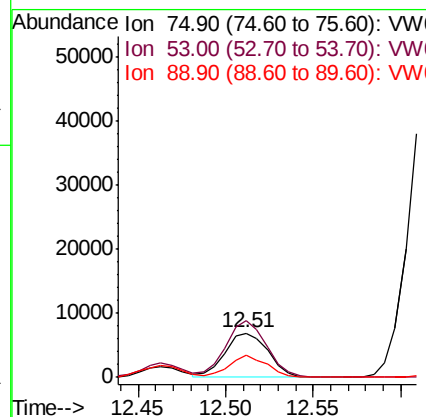
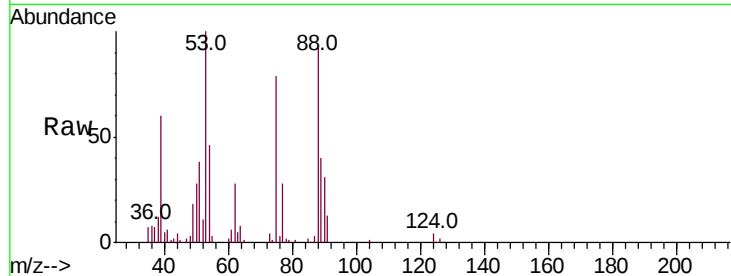
#81
trans-1,4-Dichloro-2-butene
Concen: 14.494 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.7	89.8	134.6
89	43.9	34.3	51.5

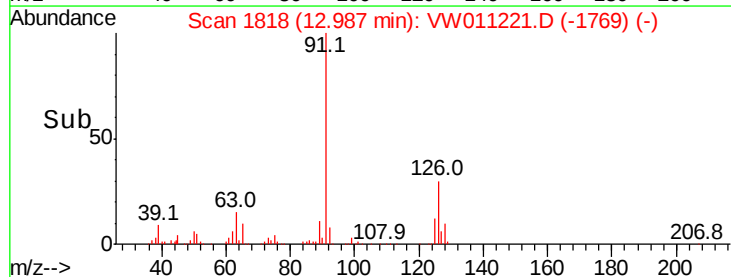
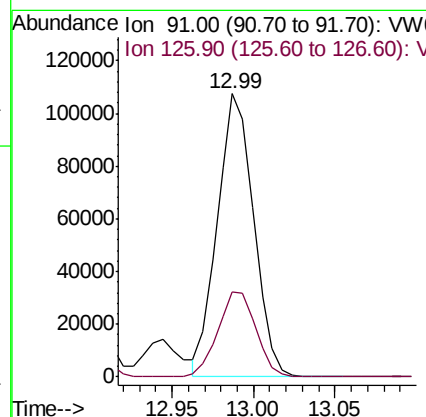
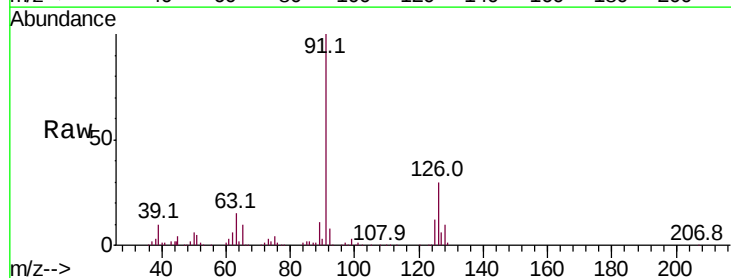
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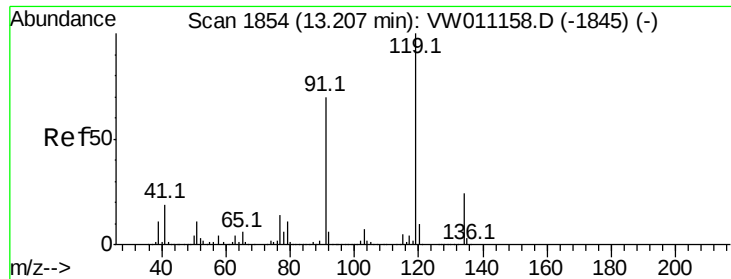
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#82
4-Chlorotoluene
Concen: 18.829 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.7	47.1





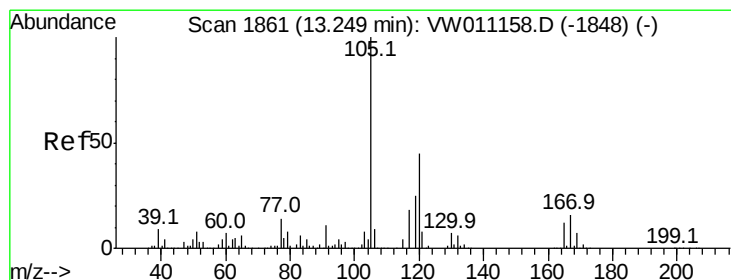
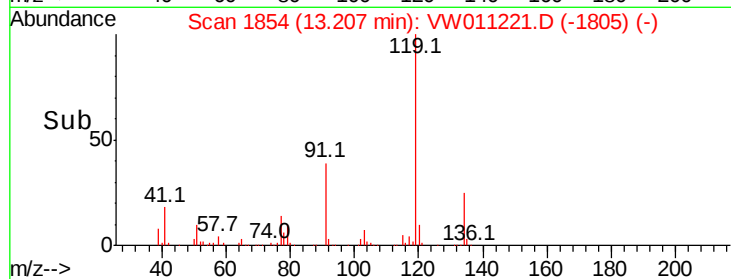
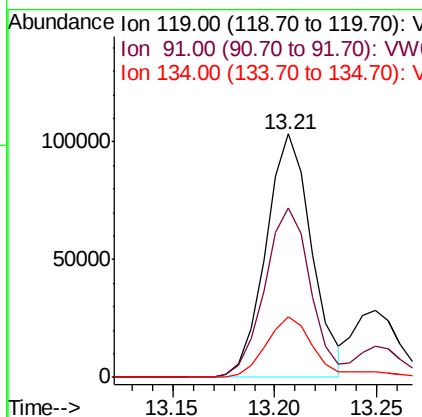
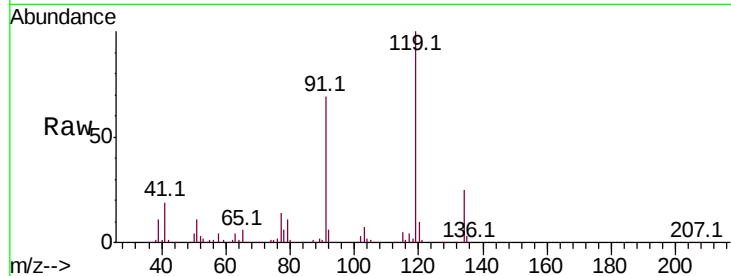
#83
tert-Butylbenzene
Concen: 19.140 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161795		
91	69.3	35.4	106.3	
134	25.0	13.4	40.2	

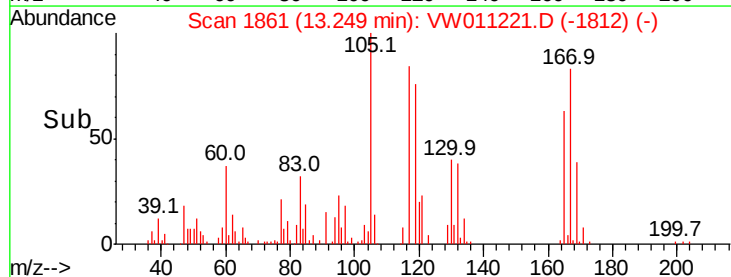
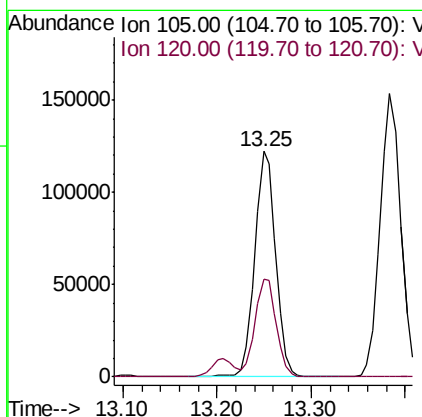
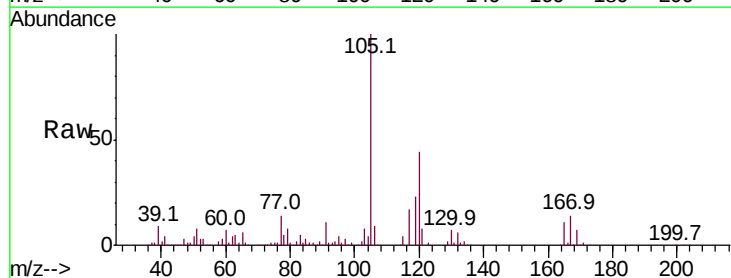
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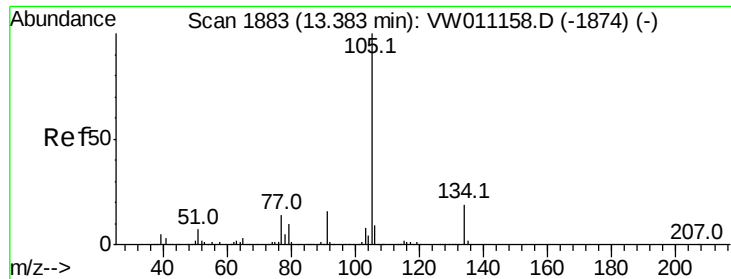
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#84
1,2,4-Trimethylbenzene
Concen: 18.885 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	192199		
120	44.0	22.3	66.9	





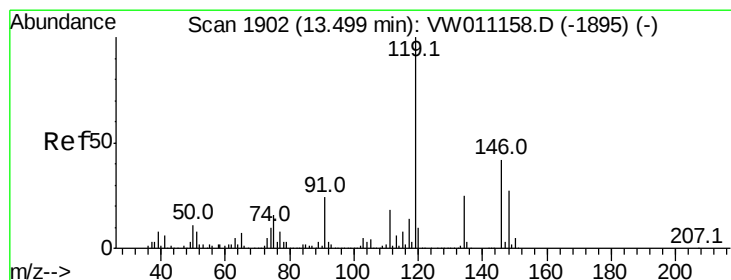
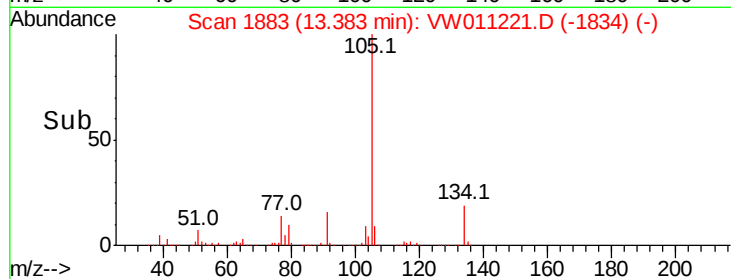
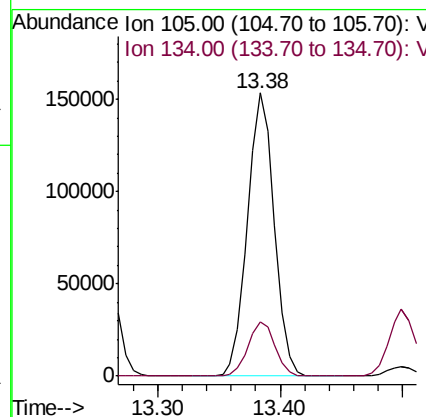
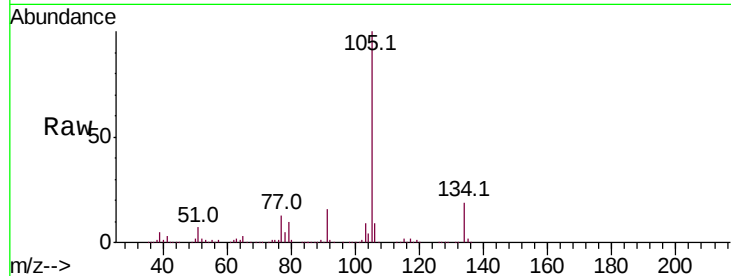
#85
 sec-Butylbenzene
 Concen: 19.140 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	28.9

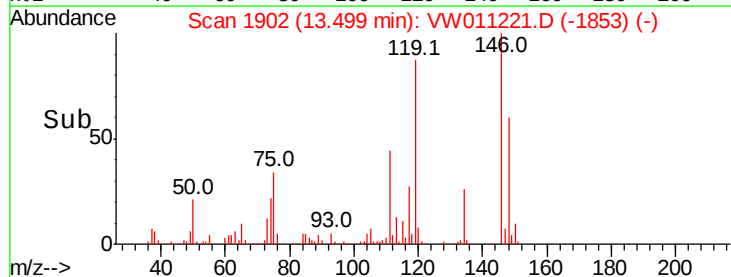
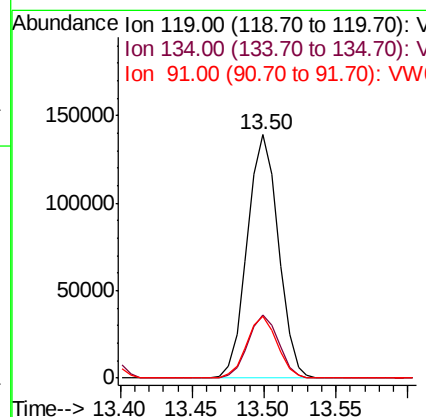
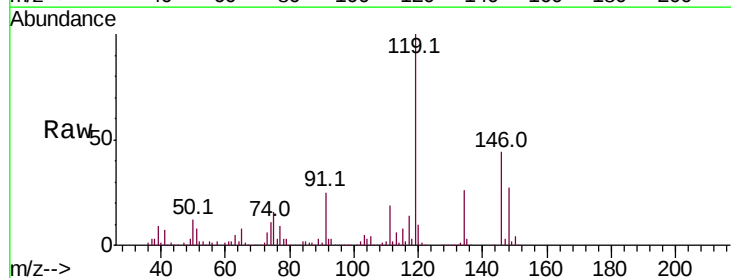
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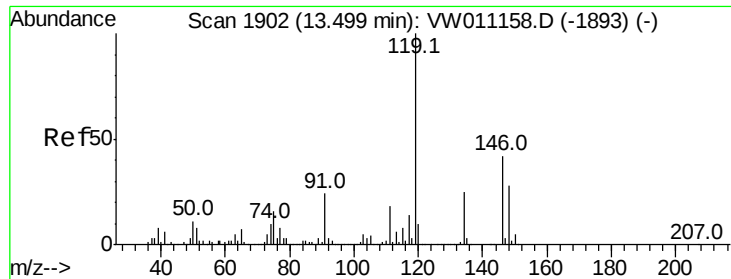
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#86
 p-Isopropyltoluene
 Concen: 19.007 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.9	38.6
91	24.9	12.3	36.8





#87

1,3-Dichlorobenzene

Concen: 19.156 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011221.D

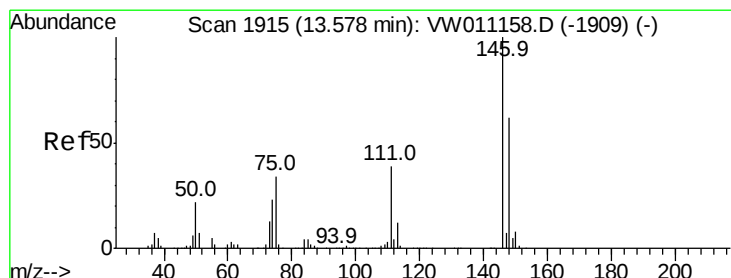
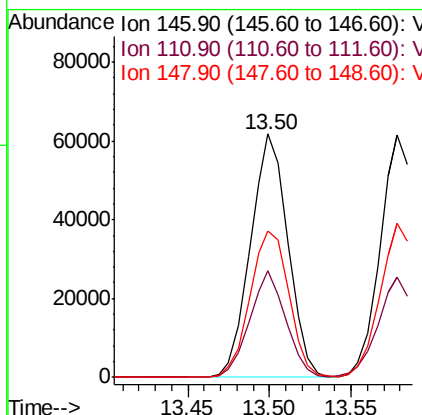
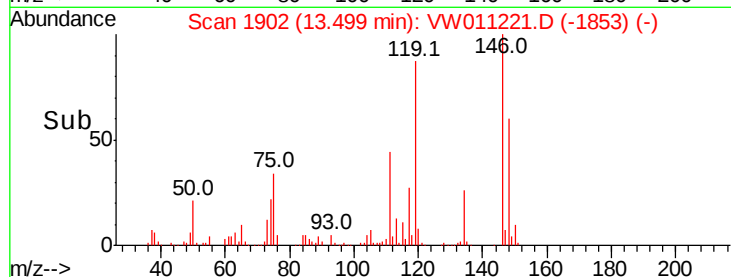
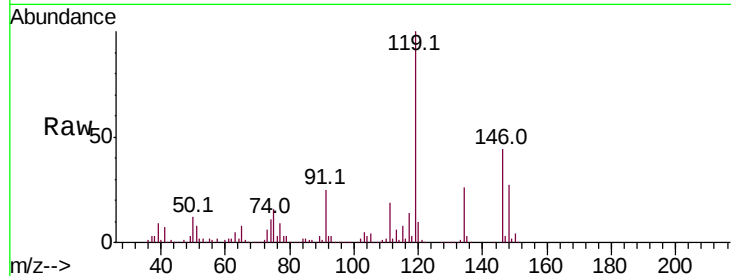
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	98680		
111	42.1		21.1	63.1
148	62.6		32.6	97.7

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#88

1,4-Dichlorobenzene

Concen: 18.660 ug/l

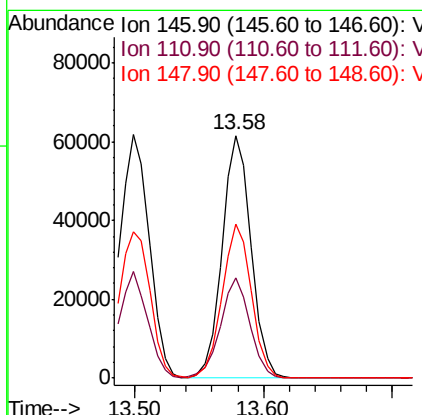
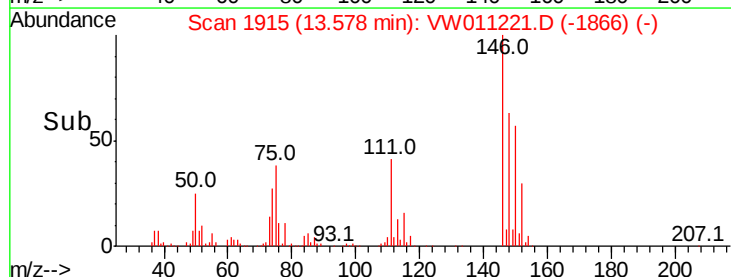
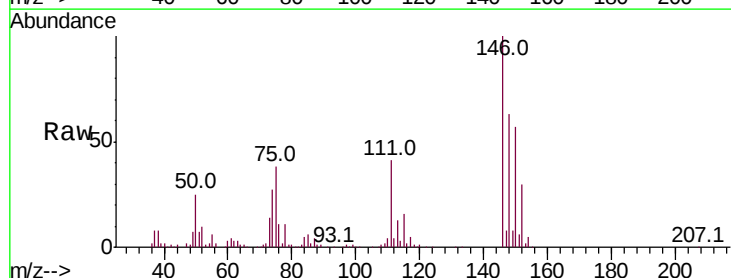
RT: 13.58 min Scan# 1915

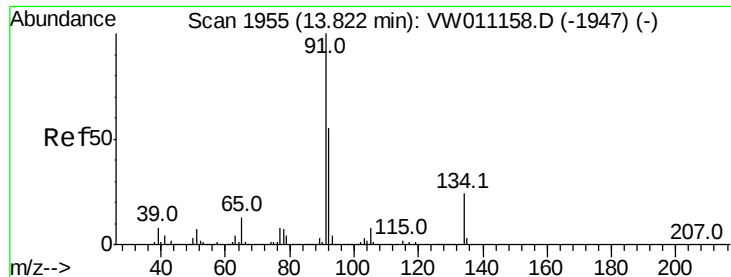
Delta R.T. 0.00 min

Lab File: VW011221.D

Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	96794		
111	42.4		19.9	59.7
148	64.5		31.5	94.5





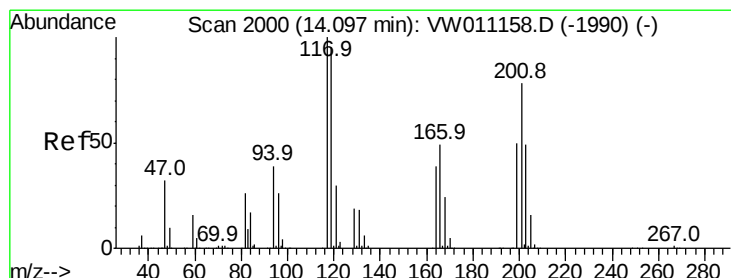
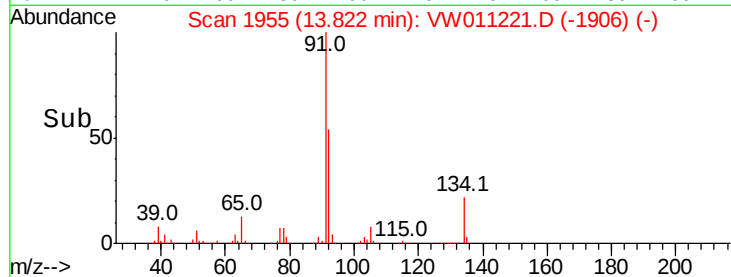
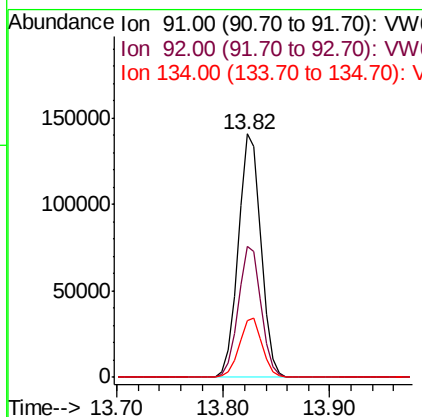
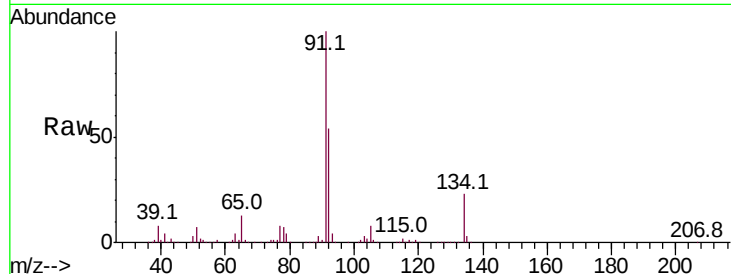
#89
n-Butylbenzene
Concen: 19.364 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.9	80.7
134	24.4	12.2	36.4

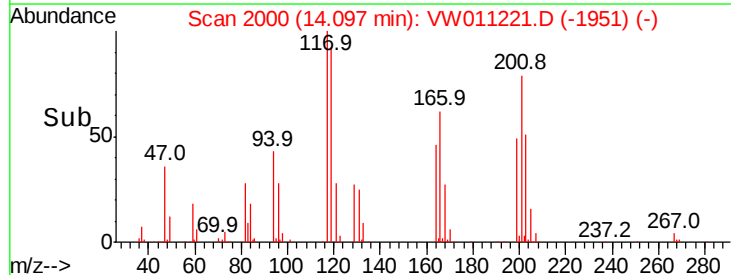
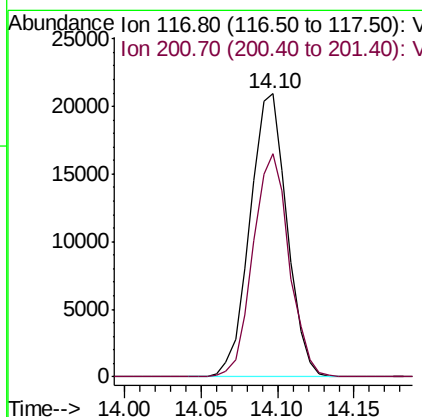
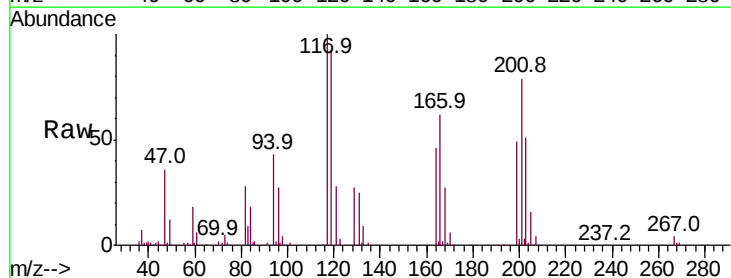
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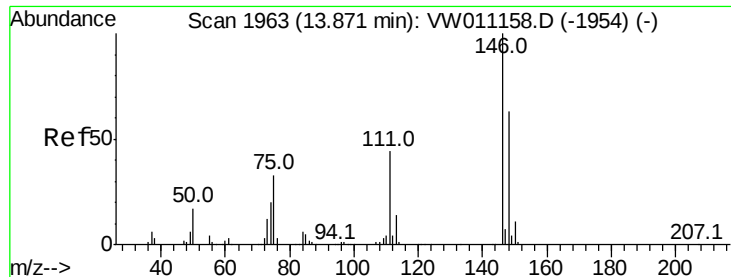
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#90
Hexachloroethane
Concen: 17.649 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.0	38.3	114.8





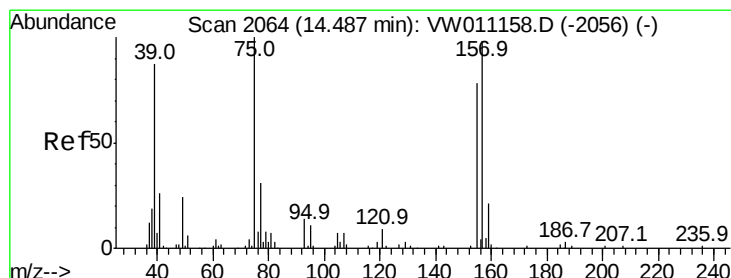
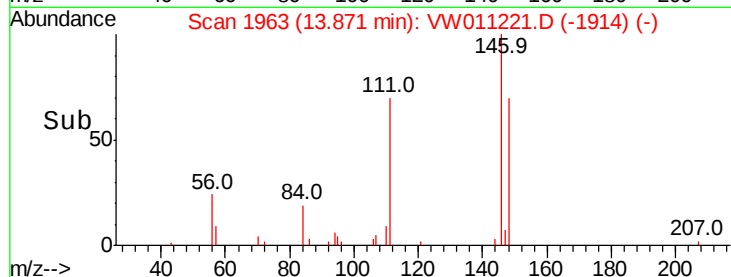
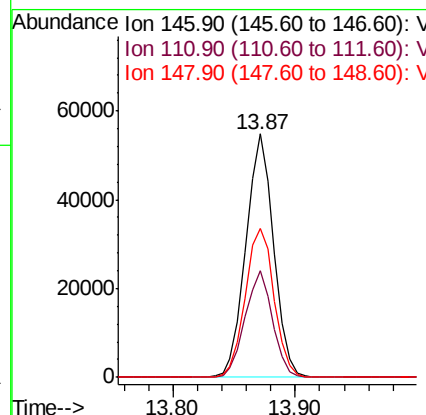
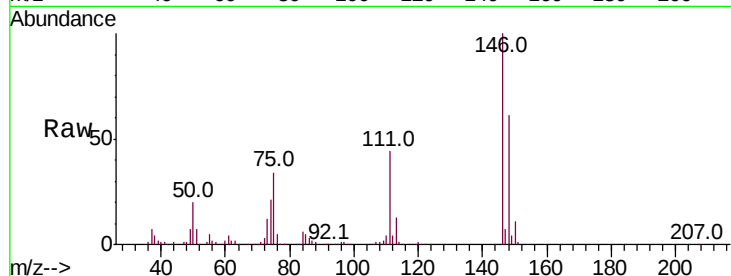
#91
 1,2-Dichlorobenzene
 Concen: 18.424 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.6	65.0
148	63.7	31.9	95.5

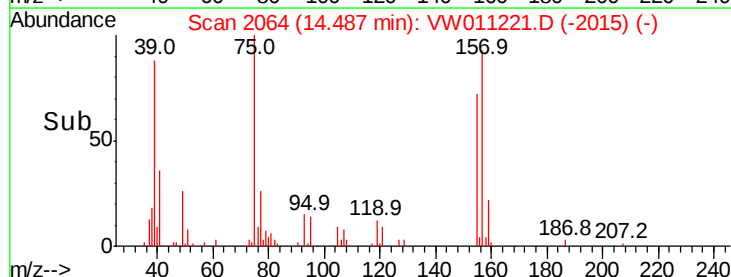
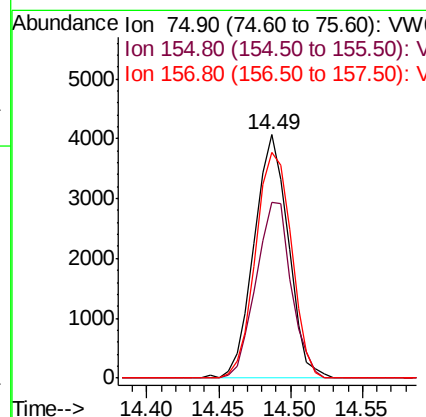
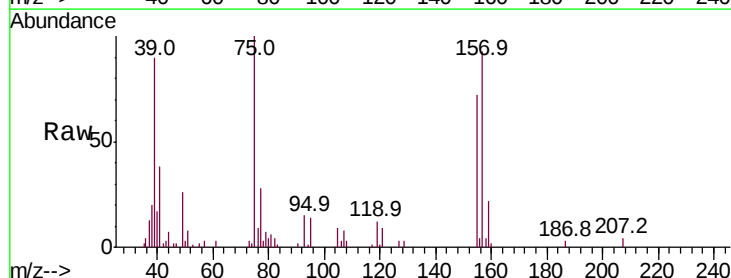
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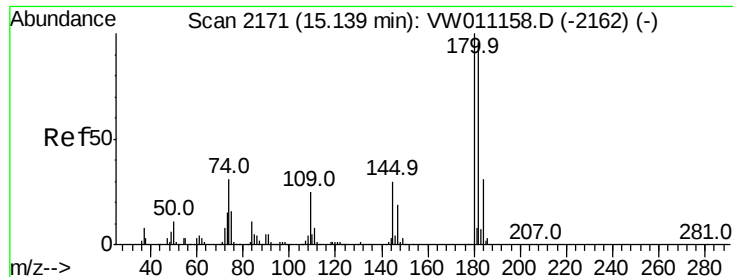
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.381 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.4	37.1	111.3
157	97.0	48.5	145.6





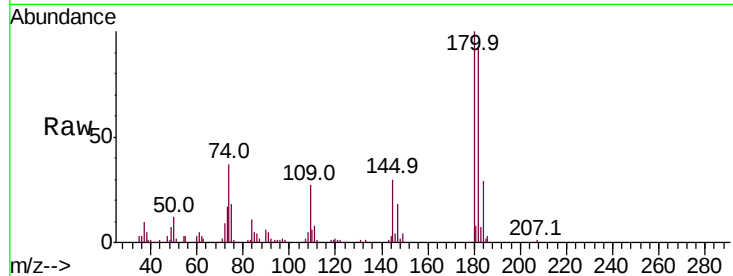
#93
 1,2,4-Trichlorobenzene
 Concen: 19.430 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0712SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	48.3	144.9	
145	30.9	15.5	46.5	

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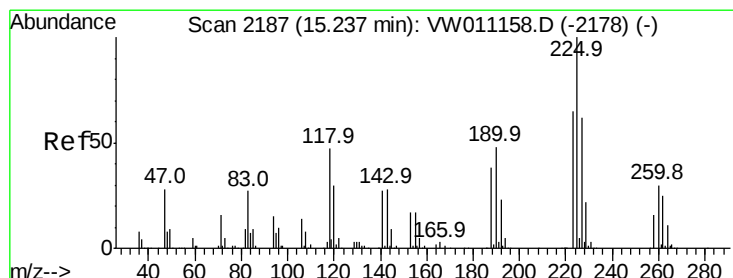
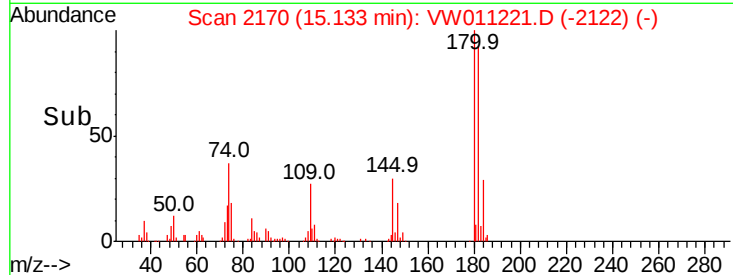
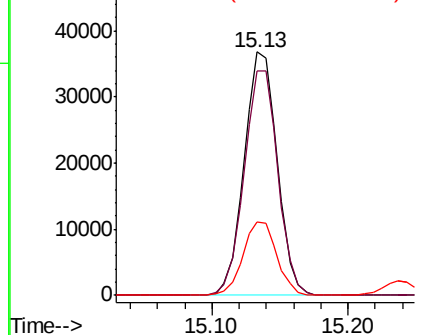


Abundance

Ion 179.80 (179.50 to 180.50): V

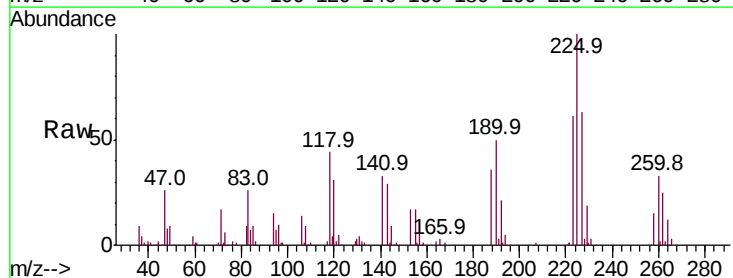
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.620 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011221.D
 Acq: 11 Jul 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.0	31.6	95.0	
227	62.5	32.0	96.0	

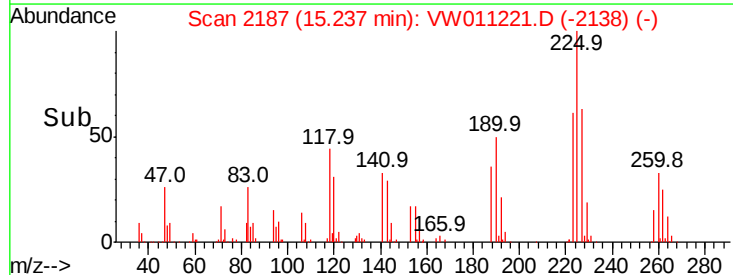
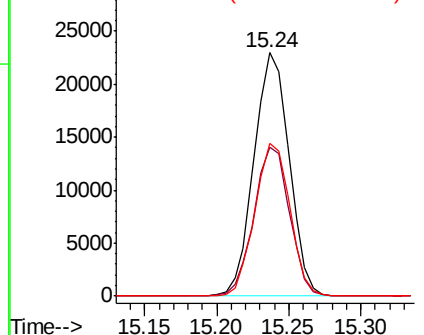


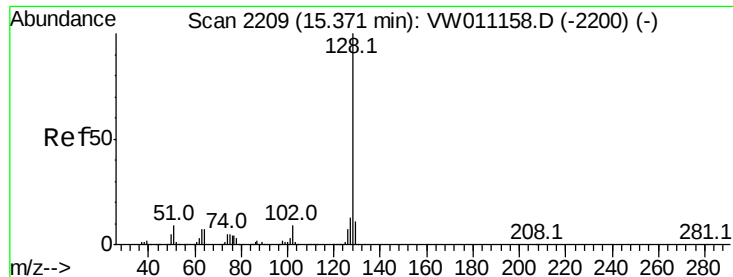
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





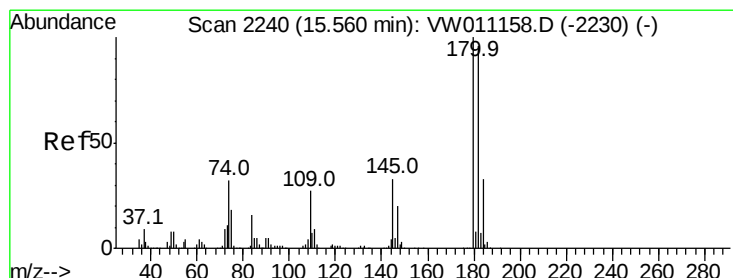
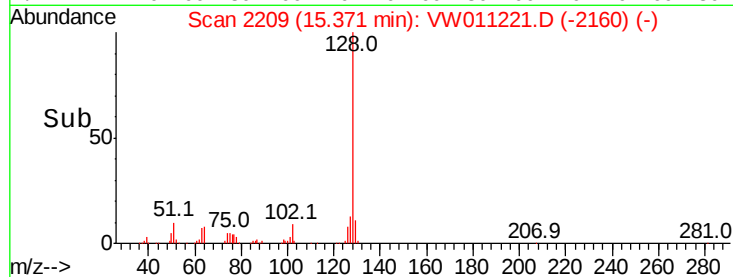
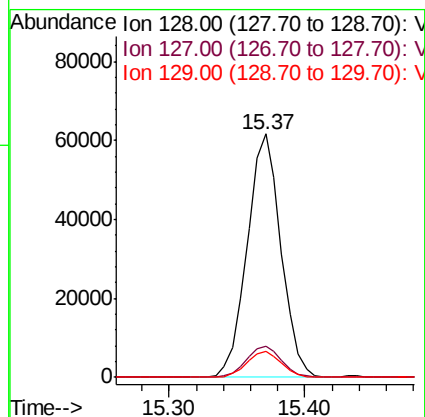
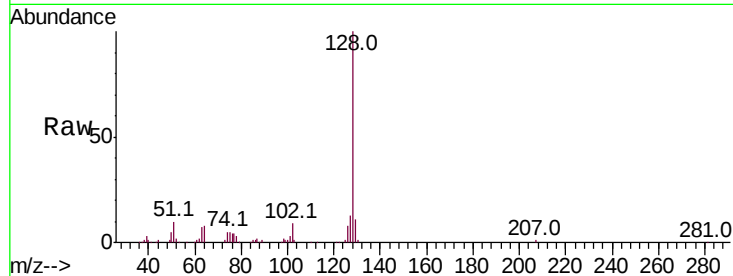
#95
Naphthalene
Concen: 17.366 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Instrument :
MSVOA_W
ClientSampleId :
VW0712SBS01

Tot Ion:	128	Resp:	107118
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.190 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011221.D
Acq: 11 Jul 2019 11:35

Tgt Ion:	180	Resp:	54517
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.6	142.8
145	32.1	16.5	49.5

