

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070419\
 Data File : VW011141.D
 Acq On : 03 Jul 2019 15:51
 Operator : SY/VA
 Sample : VW0704SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2019 9:41:39 AM

Quant Time: Jul 04 04:10:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	219278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	358224	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	154095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	133420	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	
35) Dibromofluoromethane	7.88	113	106780	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
50) Toluene-d8	10.32	98	449875	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.62	95	158399	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	38926	23.548	ug/l 94
3) Chloromethane	2.21	50	46730	21.088	ug/l 98
4) Vinyl Chloride	2.35	62	61069	21.166	ug/l 96
5) Bromomethane	2.72	94	28189	19.628	ug/l 91
6) Chloroethane	2.89	64	30647	20.147	ug/l 94
7) Trichlorofluoromethane	3.23	101	19465	22.957	ug/l 90
8) Diethyl Ether	3.67	74	26697	19.881	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	48759	20.447	ug/l 99
10) Methyl Iodide	4.26	142	63543	19.046	ug/l 99
11) Tert butyl alcohol	5.17	59	17083	82.054	ug/l 100
12) 1,1-Dichloroethene	4.03	96	49534	19.956	ug/l 97
13) Acrolein	3.89	56	12753	78.553	ug/l 95
14) Allyl chloride	4.65	41	91534	22.912	ug/l 99
15) Acrylonitrile	5.36	53	61981	93.732	ug/l 99
16) Acetone	4.12	43	64623	92.357	ug/l 99
17) Carbon Disulfide	4.37	76	135855	19.293	ug/l 99
18) Methyl Acetate	4.66	43	38309	21.136	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	69017	19.645	ug/l 95
20) Methylene Chloride	4.90	84	55538	19.536	ug/l 99
21) trans-1,2-Dichloroethene	5.41	96	53075	20.751	ug/l 93
22) Diisopropyl ether	6.31	45	196463	20.436	ug/l 96
23) Vinyl Acetate	6.24	43	543587	91.767	ug/l 99
24) 1,1-Dichloroethane	6.20	63	103964	20.487	ug/l 99
25) 2-Butanone	7.16	43	91847	86.356	ug/l 98
26) 2,2-Dichloropropane	7.16	77	49313	18.717	ug/l 98
27) cis-1,2-Dichloroethene	7.16	96	56147	20.388	ug/l 98
28) Bromochloromethane	7.51	49	46008	19.476	ug/l 99
29) Tetrahydrofuran	7.52	42	59372	89.674	ug/l 99
30) Chloroform	7.67	83	95918	20.806	ug/l 97
31) Cyclohexane	7.95	56	111837	20.396	ug/l 98
32) 1,1,1-Trichloroethane	7.87	97	70289	20.403	ug/l 99
36) 1,1-Dichloropropene	8.08	75	81092	21.061	ug/l 99
37) Ethyl Acetate	7.24	43	40493	18.078	ug/l 99
38) Carbon Tetrachloride	8.06	117	64735	20.416	ug/l 96

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	97880	20.657	ug/l	98
40) Benzene	8.32	78	220097	20.784	ug/l	100
41) Methacrylonitrile	7.48	41	25804	18.935	ug/l	96
42) 1,2-Dichloroethane	8.40	62	68951	19.858	ug/l	100
43) Isopropyl Acetate	8.42	43	77111	18.198	ug/l	98
44) Trichloroethene	9.09	130	52584	20.546	ug/l	95
45) 1,2-Dichloropropane	9.37	63	58573	20.368	ug/l	99
46) Dibromomethane	9.46	93	25859	19.227	ug/l	99
47) Bromodichloromethane	9.64	83	66364	19.930	ug/l	98
48) Methyl methacrylate	9.43	41	37825	18.411	ug/l	97
49) 1,4-Dioxane	9.45	88	7671	339.218	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	201456	90.321	ug/l	100
52) Toluene	10.38	92	135576	20.911	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	65331	18.836	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	82362	19.906	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	37277	19.618	ug/l	96
56) Ethyl methacrylate	10.65	69	52997	18.625	ug/l	99
57) 1,3-Dichloropropane	10.93	76	70862	19.605	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	135785	94.316	ug/l	99
59) 2-Hexanone	10.97	43	140510	90.334	ug/l	99
60) Dibromochloromethane	11.13	129	37950	19.046	ug/l	99
61) 1,2-Dibromoethane	11.23	107	33919	19.068	ug/l	98
64) Tetrachloroethene	10.86	164	44016	20.638	ug/l	99
65) Chlorobenzene	11.66	112	132227	20.843	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	44537	20.678	ug/l	100
67) Ethyl Benzene	11.73	91	257979	21.232	ug/l	100
68) m/p-Xylenes	11.84	106	189221	42.918	ug/l	100
69) o-Xylene	12.16	106	87705	21.357	ug/l	99
70) Styrene	12.18	104	149382	20.933	ug/l	100
71) Bromoform	12.35	173	19830	18.885	ug/l #	98
73) Isopropylbenzene	12.46	105	244145	21.149	ug/l	99
74) N-amyl acetate	12.27	43	71669	18.486	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	43557	19.214	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30090m	18.496	ug/l	
77) Bromobenzene	12.75	156	51516	20.303	ug/l	99
78) n-propylbenzene	12.80	91	304558	21.305	ug/l	100
79) 2-Chlorotoluene	12.89	91	171547	21.005	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	208296	21.289	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	12006	18.517	ug/l	96
82) 4-Chlorotoluene	12.99	91	177659	20.874	ug/l	99
83) tert-Butylbenzene	13.21	119	171700	21.044	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	207732	21.005	ug/l	99
85) sec-Butylbenzene	13.38	105	250872	21.166	ug/l	100
86) p-Isopropyltoluene	13.50	119	223459	20.950	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	104393	20.799	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	102727	20.503	ug/l	99
89) n-Butylbenzene	13.82	91	228433	21.071	ug/l	100
90) Hexachloroethane	14.10	117	36331	19.908	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	92000	20.408	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6905	17.923	ug/l	99

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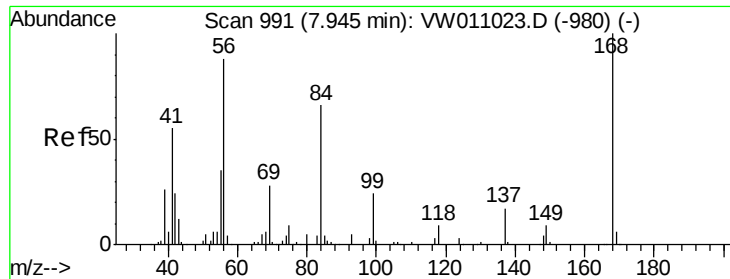
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	65665	20.703	ug/l	99
94) Hexachlorobutadiene	15.24	225	39714	20.644	ug/l	98
95) Naphthalene	15.37	128	113528	19.055	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	56379	19.907	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion:168 Resp: 219278

Ion Ratio Lower Upper

168 100

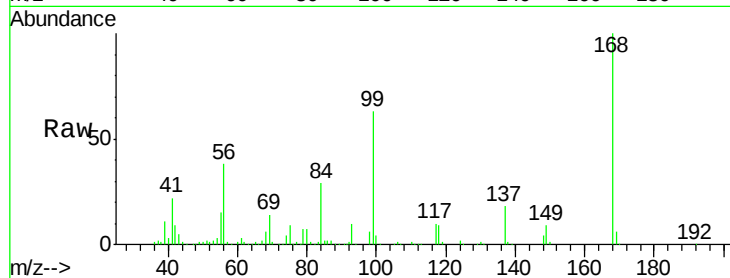
99 62.5 47.8 71.6

Manual Integrations

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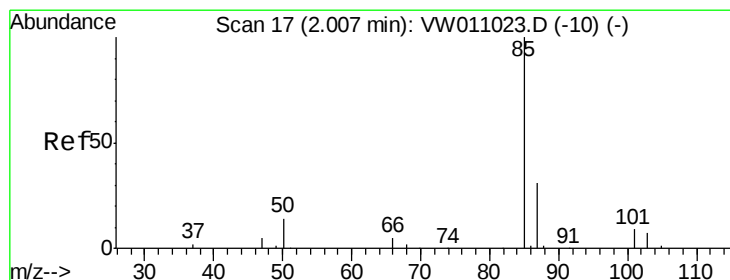
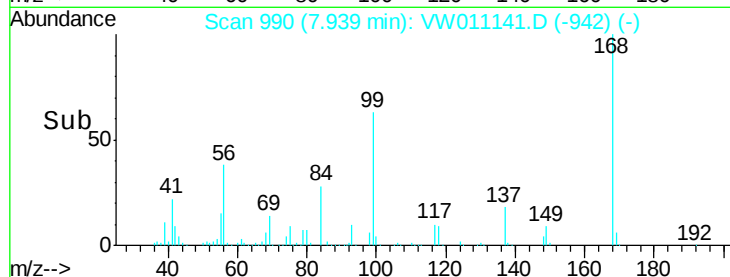
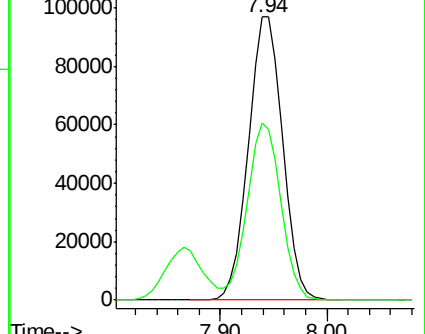
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 23.548 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011141.D

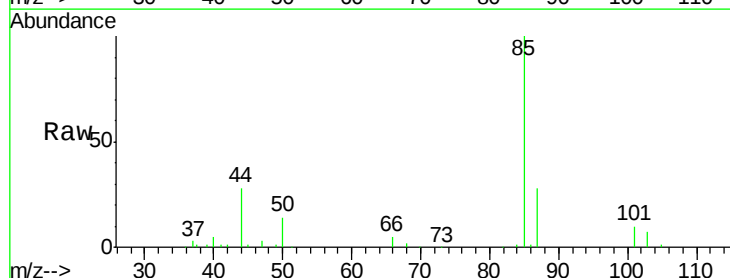
Acq: 03 Jul 2019 15:51

Tgt Ion: 85 Resp: 38926

Ion Ratio Lower Upper

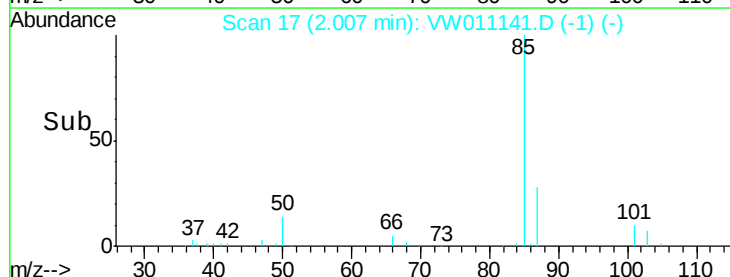
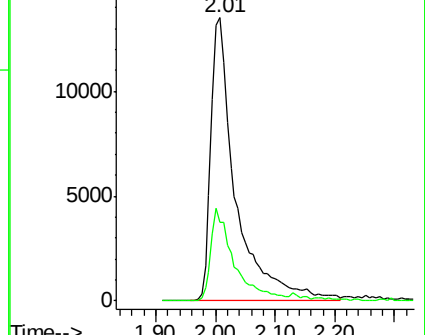
85 100

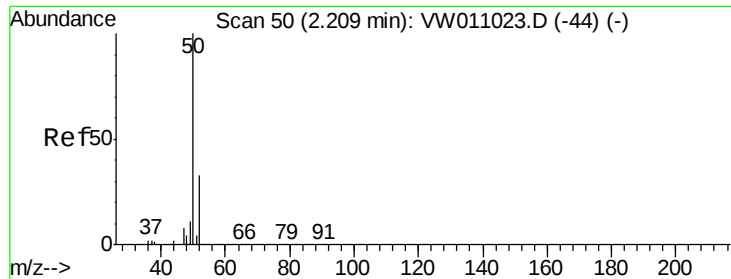
87 27.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.088 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion: 50 Resp: 46730

Ion Ratio Lower Upper

50 100

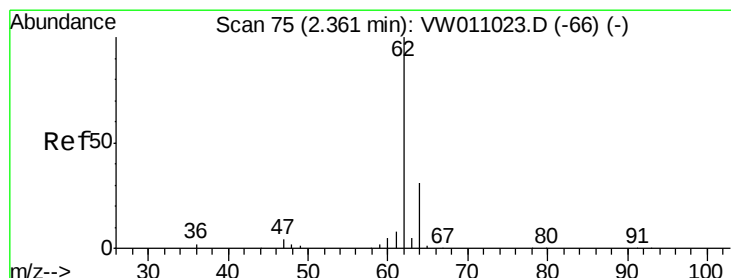
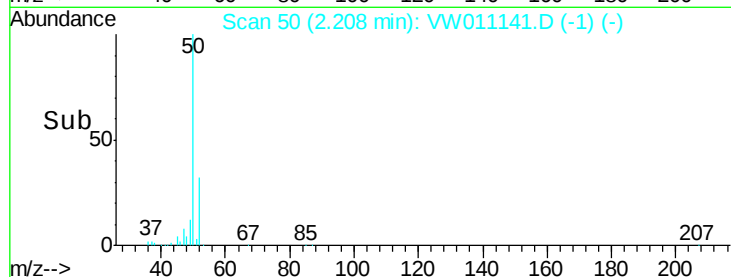
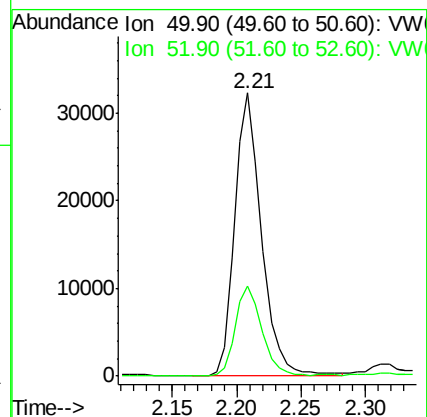
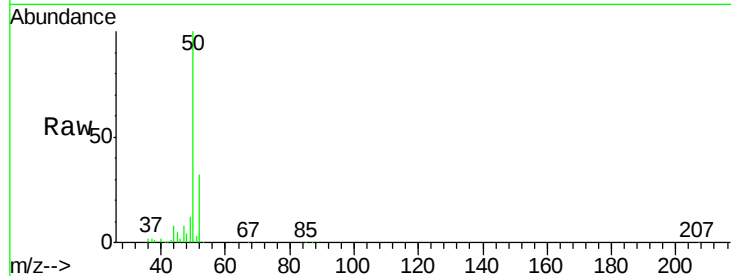
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.166 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011141.D

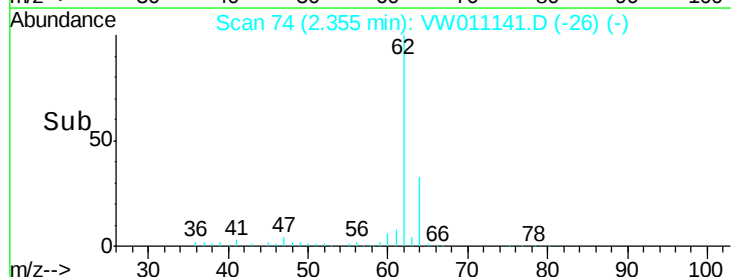
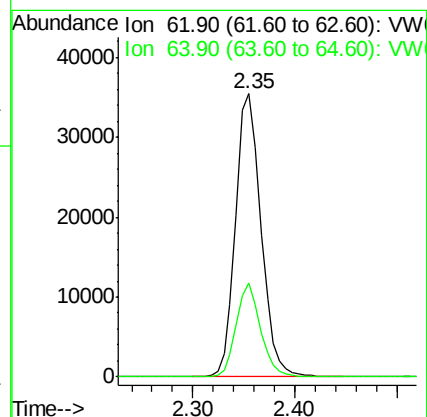
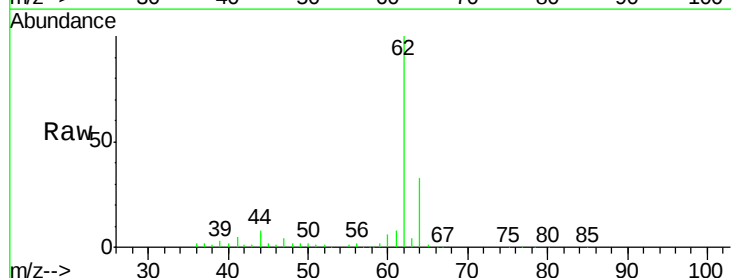
Acq: 03 Jul 2019 15:51

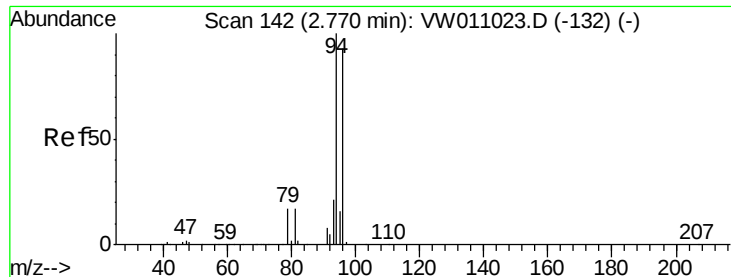
Tgt Ion: 62 Resp: 61069

Ion Ratio Lower Upper

62 100

64 33.1 24.8 37.2





#5

Bromomethane

Concen: 19.628 ug/l

RT: 2.72 min Scan# 134

Delta R.T. -0.05 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

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VW0704SBS01

Tot Ion: 94 Resp: 28189

Ion Ratio Lower Upper

94 100

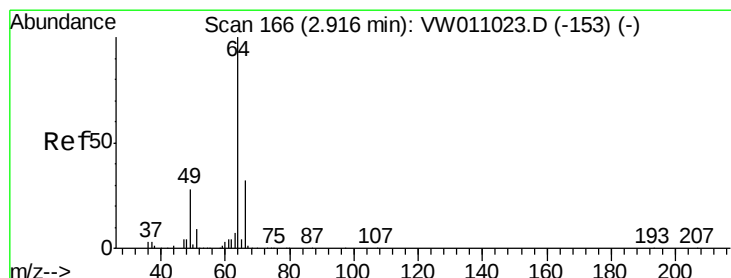
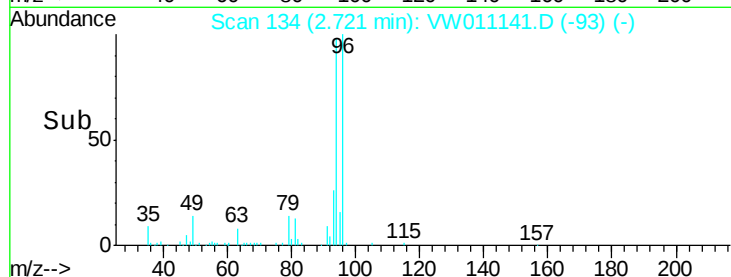
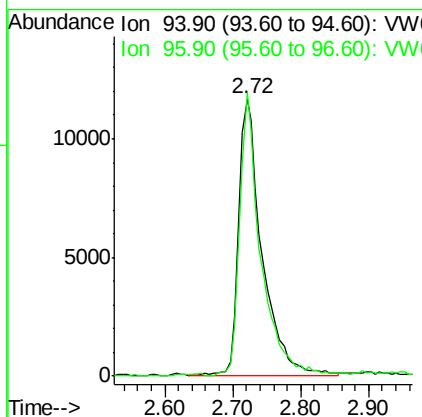
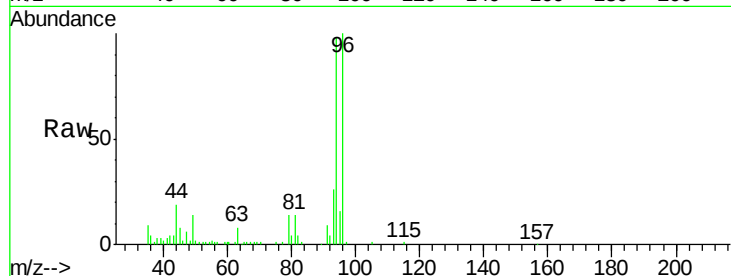
96 101.3 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.147 ug/l

RT: 2.89 min Scan# 162

Delta R.T. -0.02 min

Lab File: VW011141.D

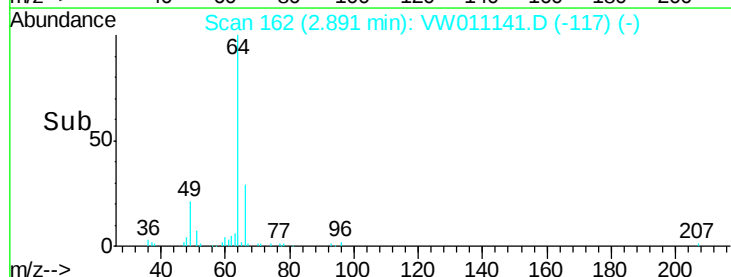
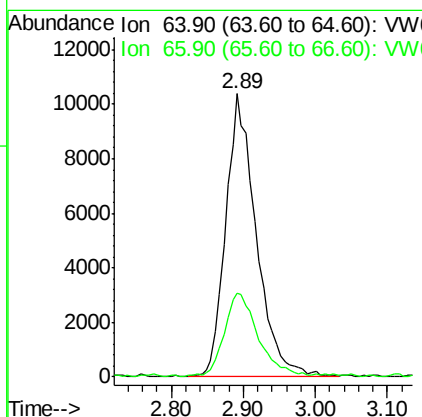
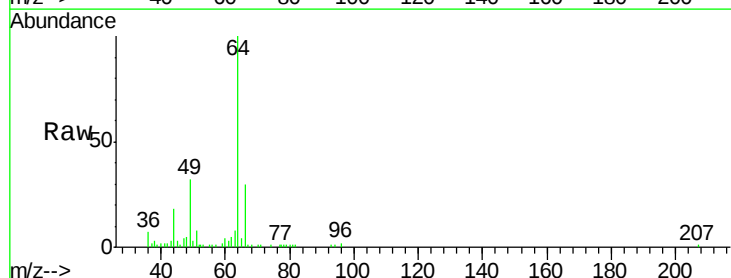
Acq: 03 Jul 2019 15:51

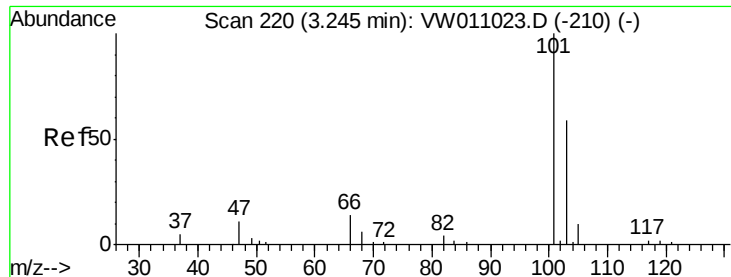
Tgt Ion: 64 Resp: 30647

Ion Ratio Lower Upper

64 100

66 29.0 25.7 38.5





#7

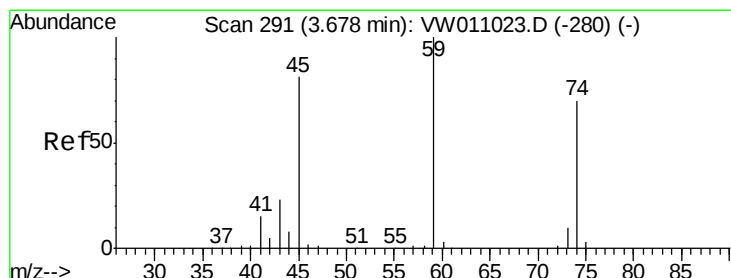
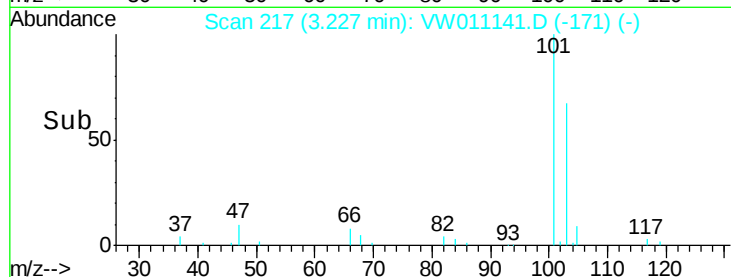
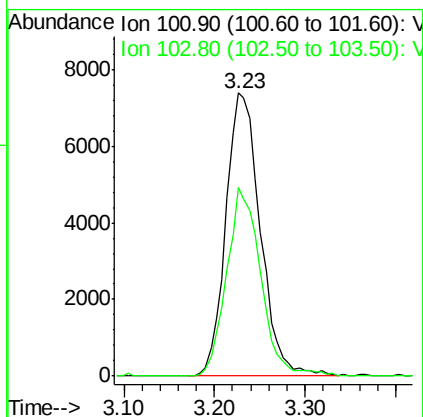
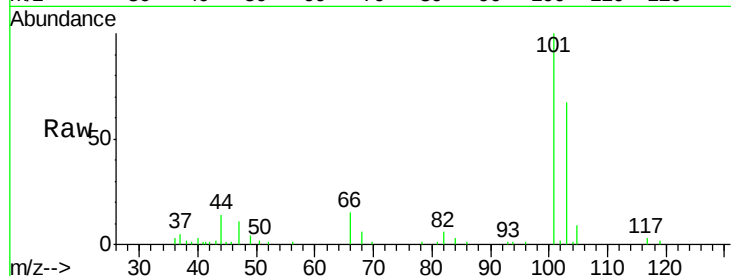
Trichlorofluoromethane
Concen: 22.957 ug/l
RT: 3.23 min Scan# 217
Delta R.T. -0.02 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
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ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	47.5	71.3

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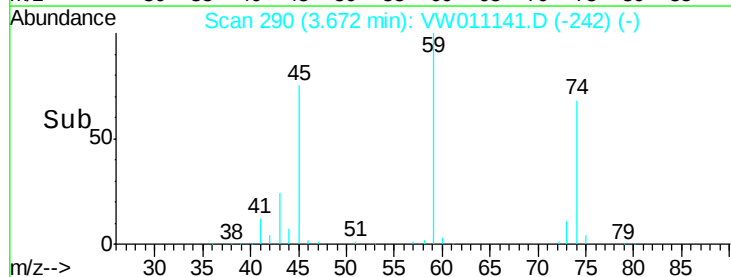
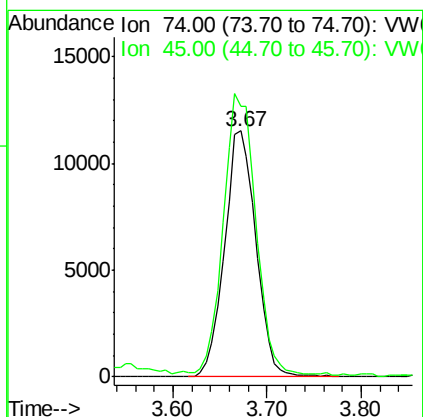
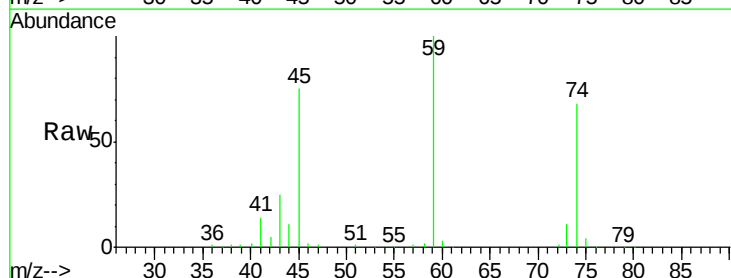
MMDadoda
7/8/2019 9:41:39 AM

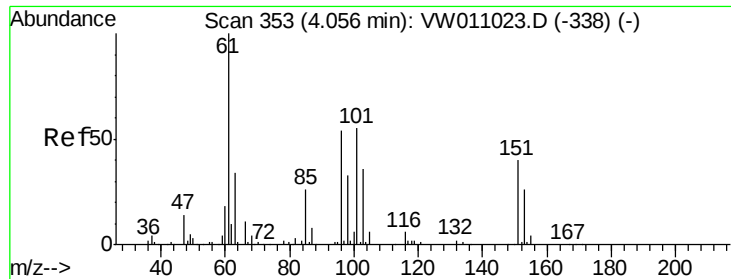


#8

Diethyl Ether
Concen: 19.881 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.5	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.447 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

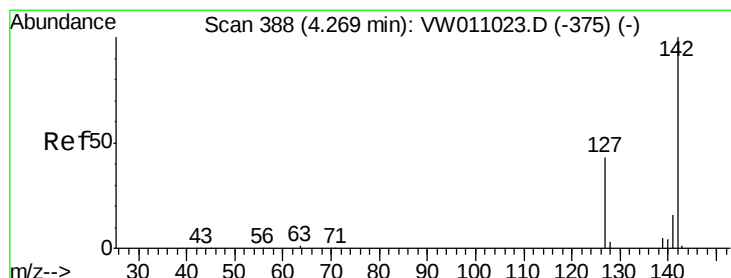
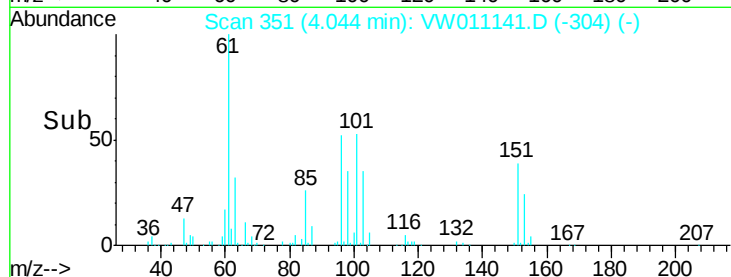
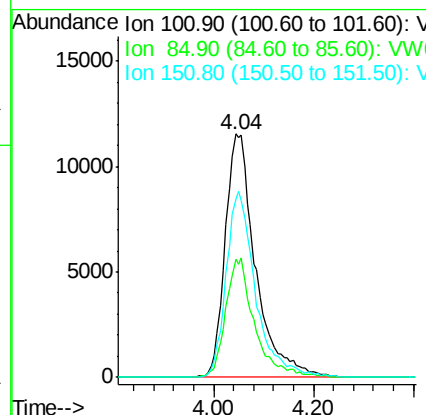
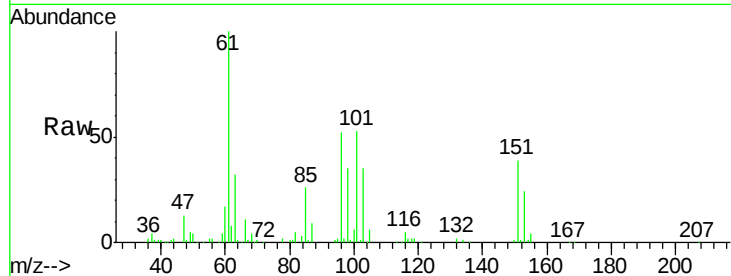
ClientSampleId :

VW0704SBS01

Tot Ion:	101	Resp:	48759
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.6	55.0
151	74.3	58.9	88.3

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#10

Methyl Iodide

Concen: 19.046 ug/l

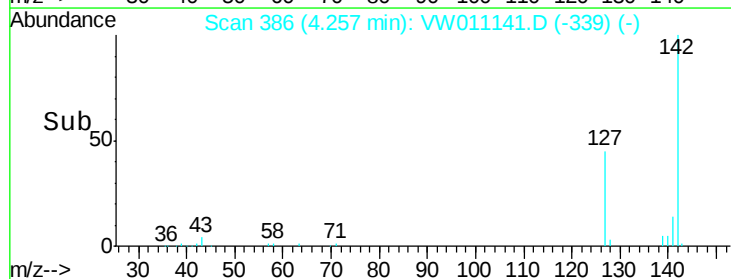
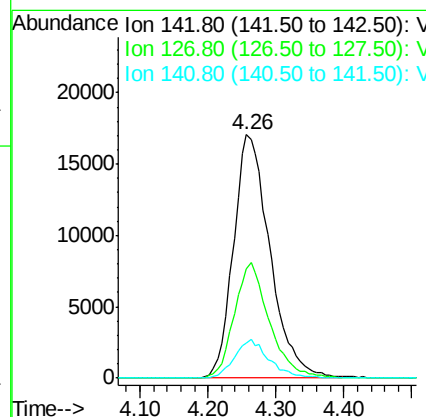
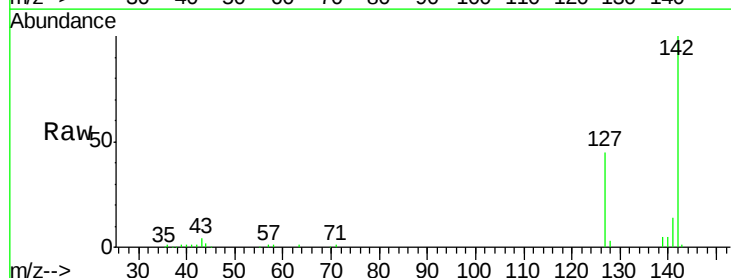
RT: 4.26 min Scan# 386

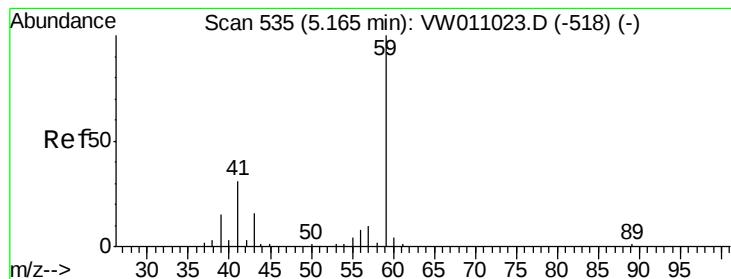
Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion:	142	Resp:	63543
Ion Ratio	Lower	Upper	
142	100		
127	45.6	35.8	53.8
141	15.1	12.2	18.2





#11

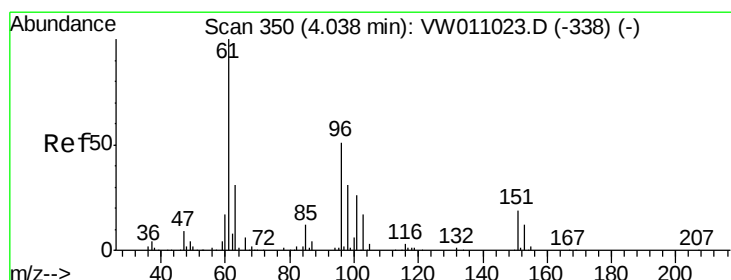
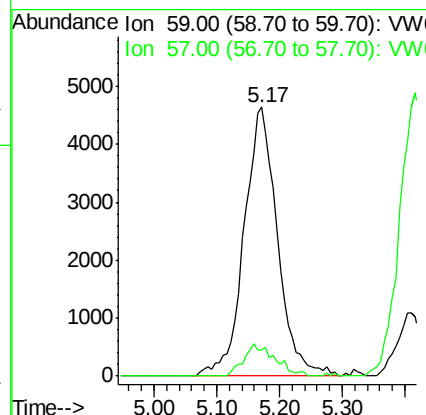
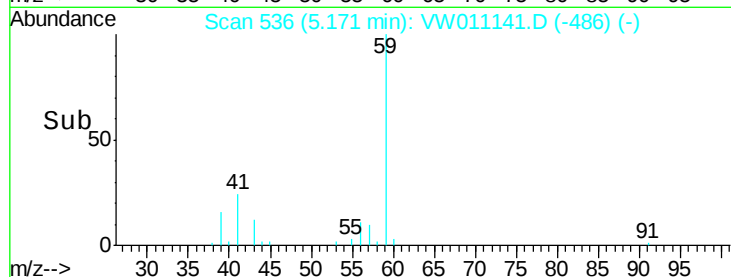
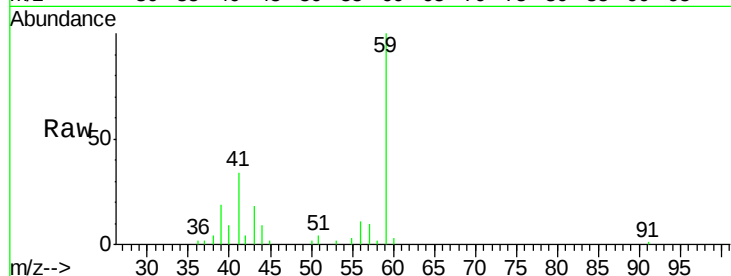
Tert butyl alcohol
 Concen: 82.054 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

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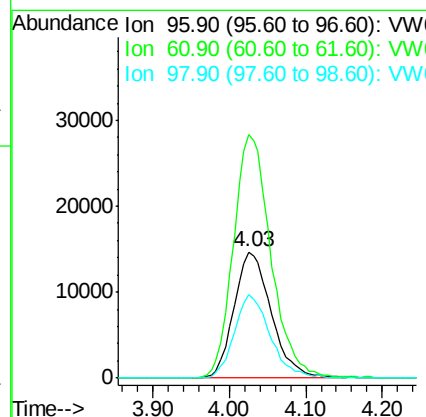
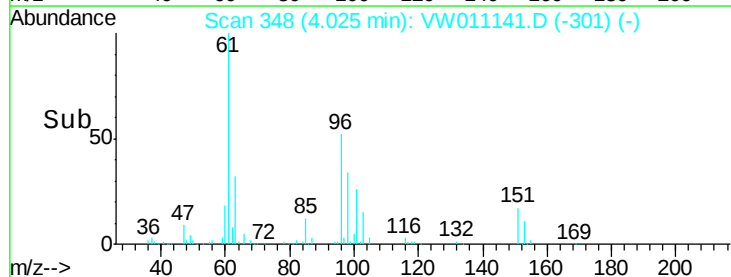
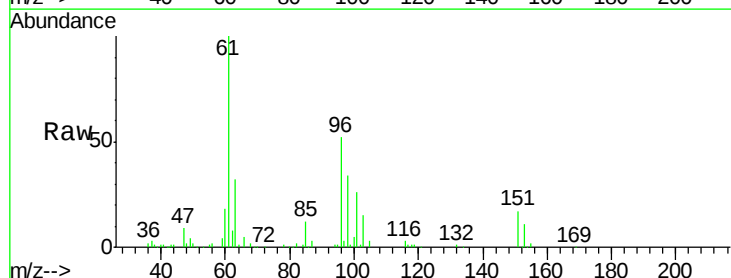
MMDadoda
 7/8/2019 9:41:39 AM

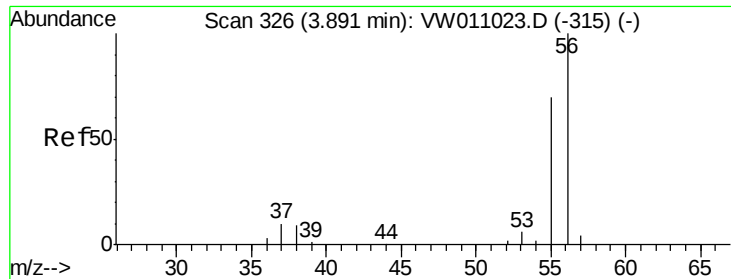


#12

1,1-Dichloroethene
 Concen: 19.956 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.6	156.0	234.0
98	66.3	48.7	73.1





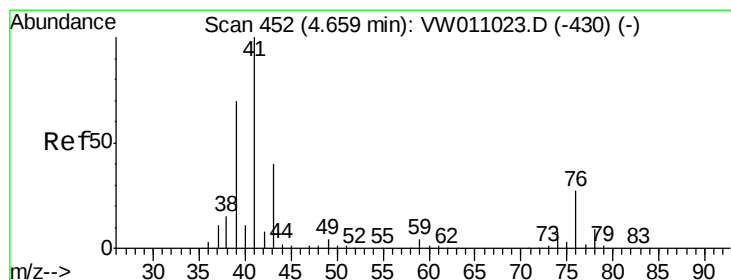
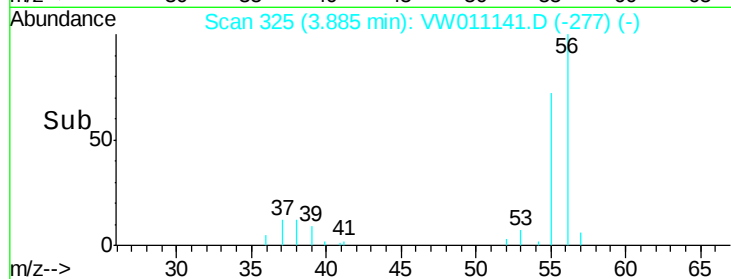
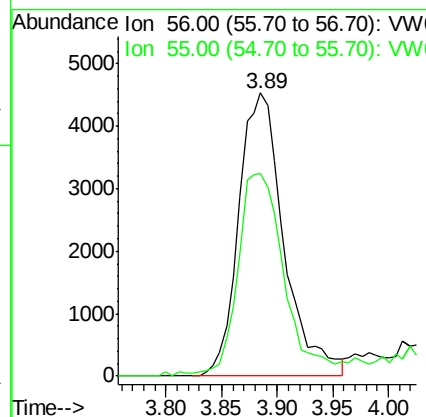
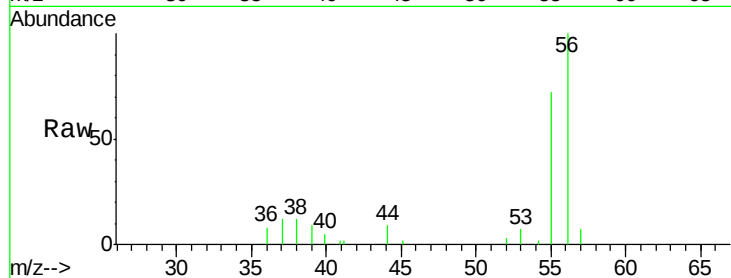
#13
Acrolein
Concen: 78.553 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampled :
VW0704SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.4	55.7	83.5	

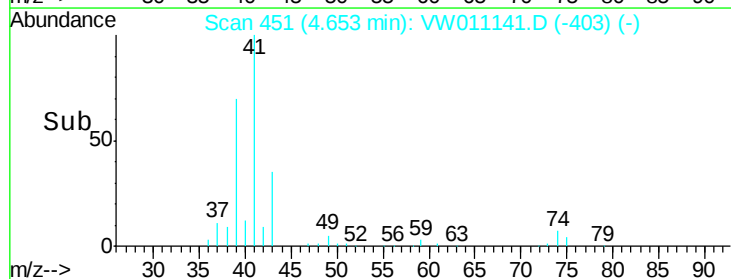
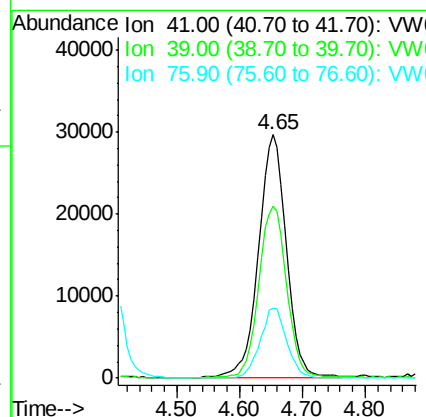
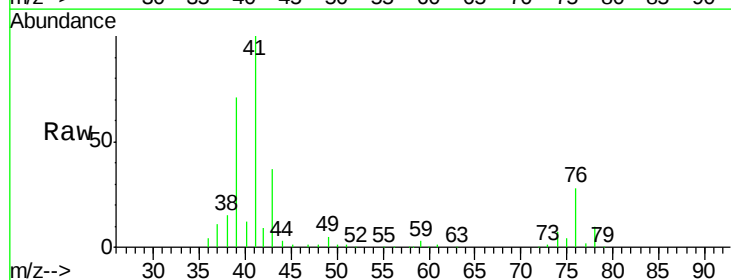
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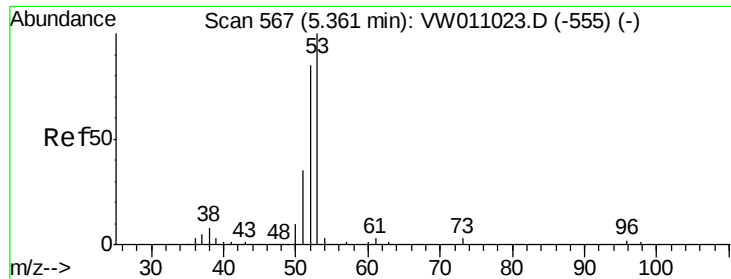
MMDadoda
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#14
Allyl chloride
Concen: 22.912 ug/l
RT: 4.65 min Scan# 451
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	69.9	55.4	83.2	
76	27.3	22.0	33.0	





#15

Acrylonitrile

Concen: 93.732 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

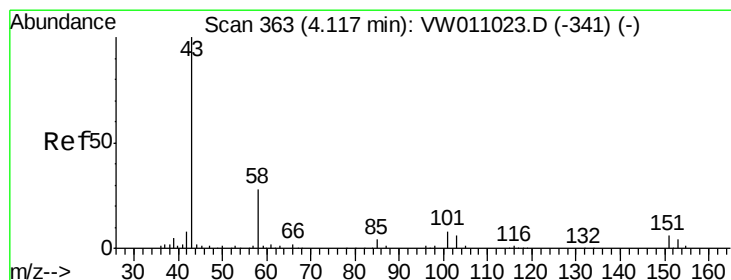
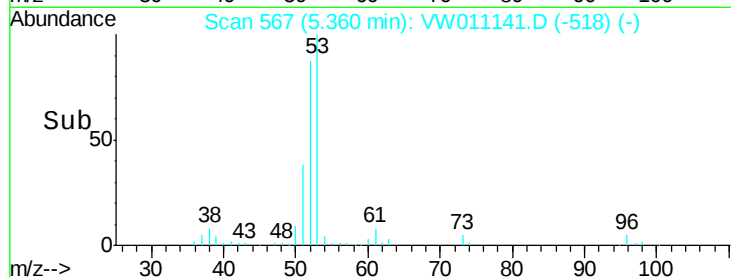
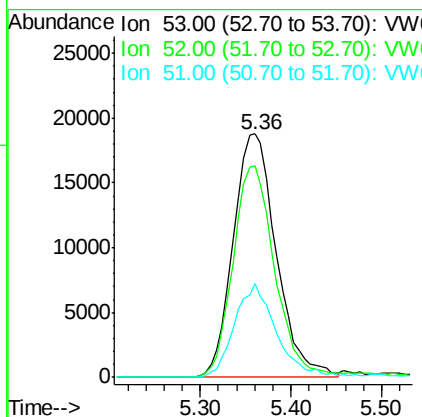
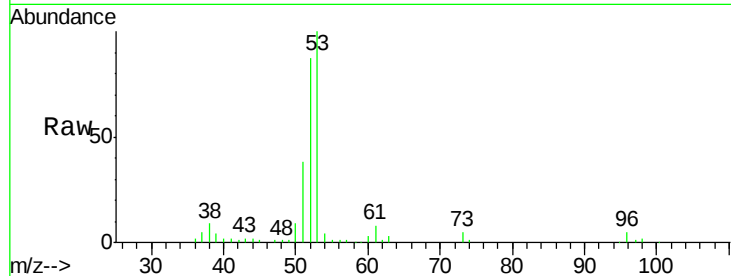
ClientSampleId :

VW0704SBS01

Tot Ion:	53	Resp:	61981
Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.3	99.5
51	37.4	29.8	44.6

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#16

Acetone

Concen: 92.357 ug/l

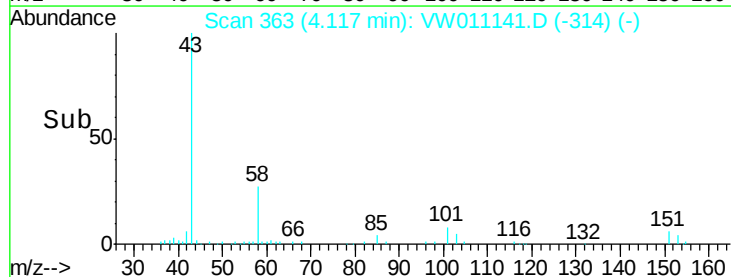
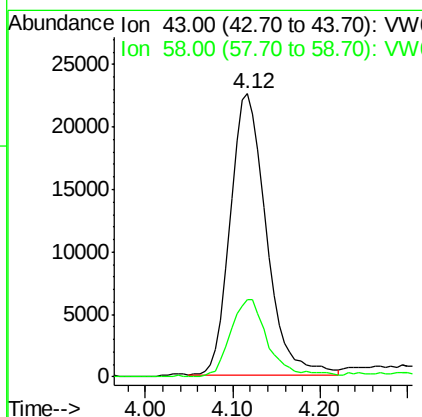
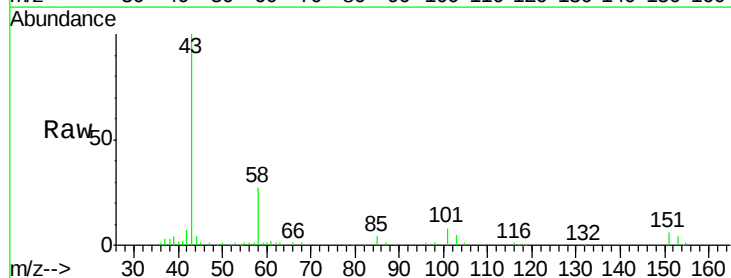
RT: 4.12 min Scan# 363

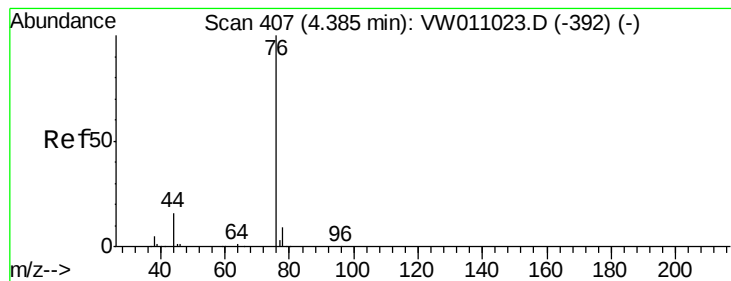
Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion:	43	Resp:	64623
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.5	33.7





#17

Carbon Disulfide

Concen: 19.293 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion: 76 Resp: 135855

Ion Ratio Lower Upper

76 100

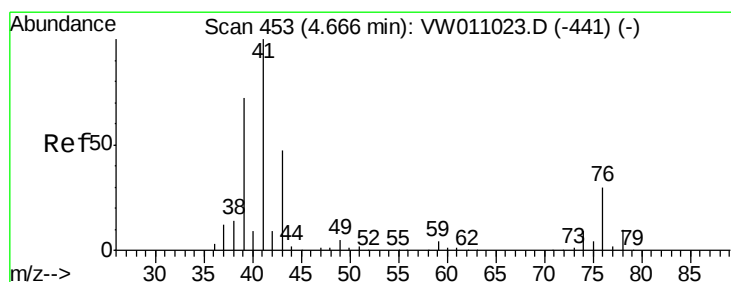
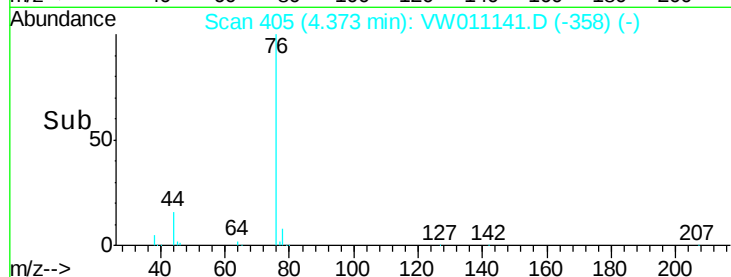
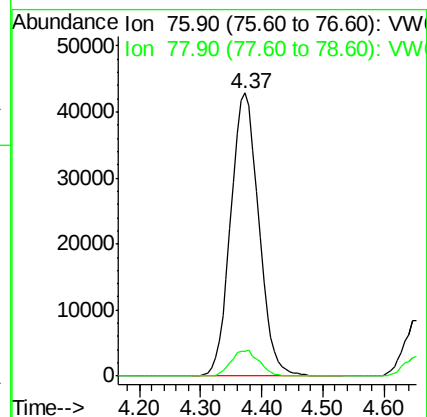
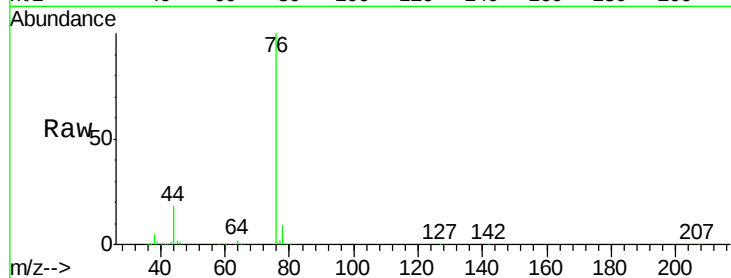
78 8.6 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 21.136 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011141.D

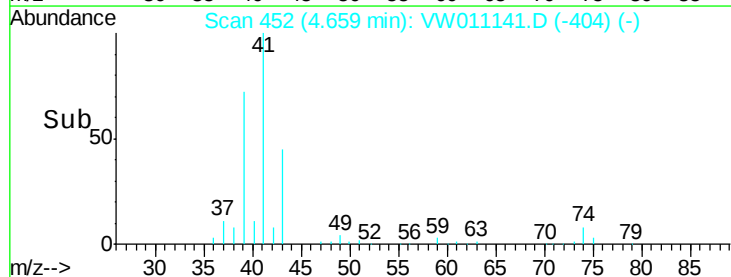
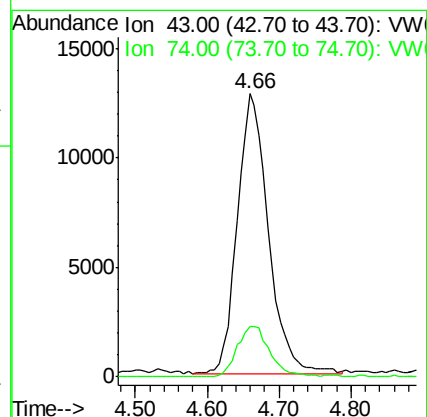
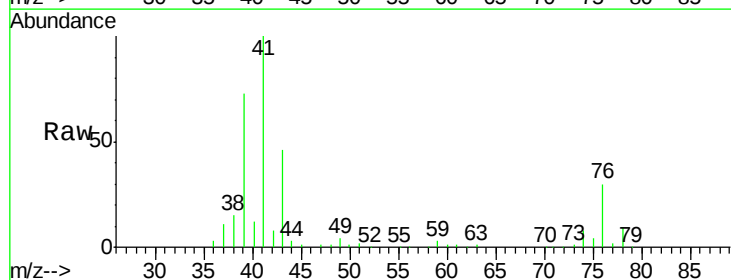
Acq: 03 Jul 2019 15:51

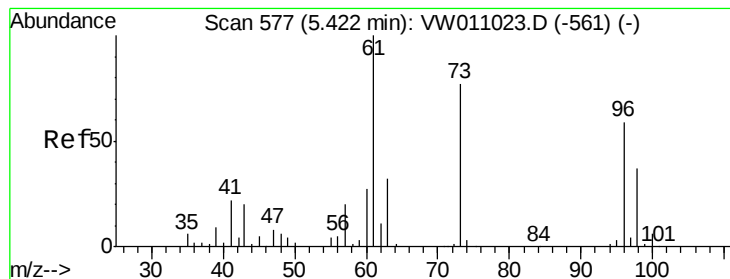
Tgt Ion: 43 Resp: 38309

Ion Ratio Lower Upper

43 100

74 19.0 15.8 23.8





#19

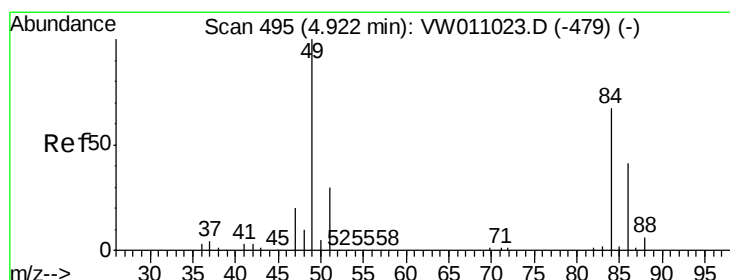
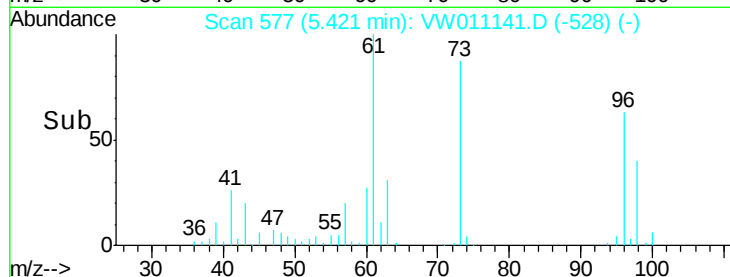
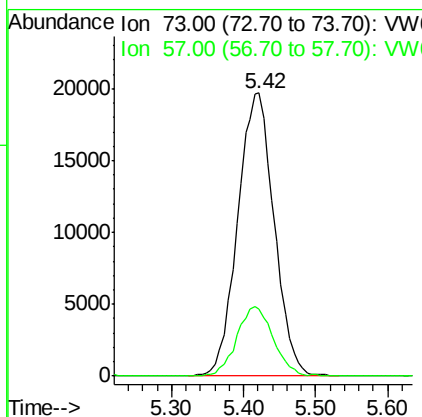
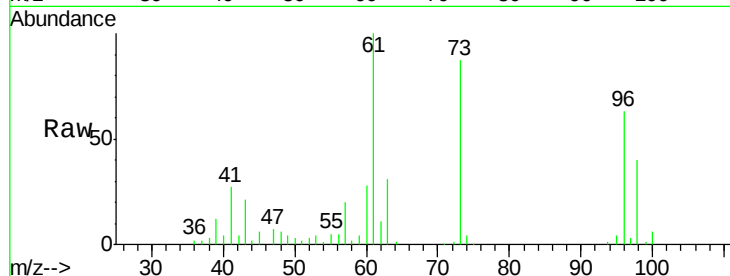
Methyl tert-butyl Ether
 Concen: 19.645 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampled :
 VW0704SBS01

Tot Ion: 73 Resp: 69017
 Ion Ratio Lower Upper
 73 100
 57 23.5 20.8 31.2

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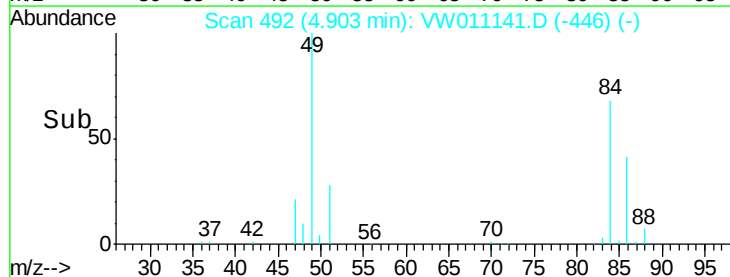
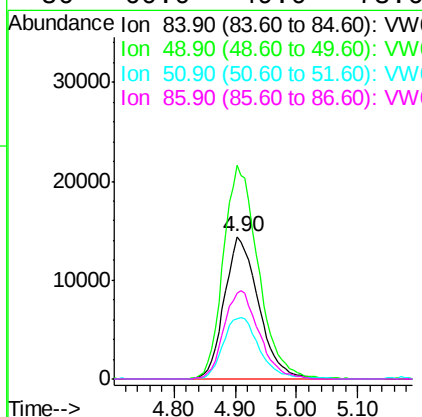
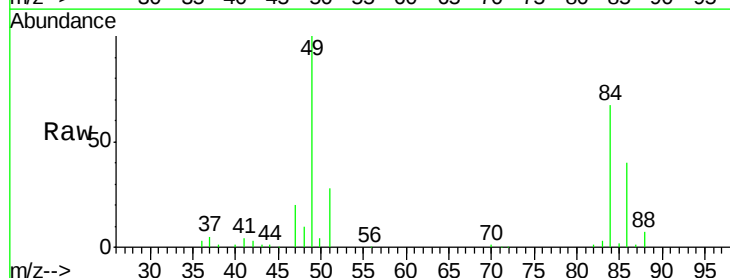
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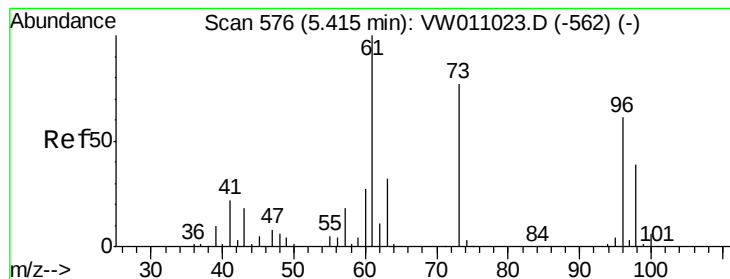


#20

Methylene Chloride
 Concen: 19.536 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 84 Resp: 55538
 Ion Ratio Lower Upper
 84 100
 49 150.3 119.6 179.4
 51 42.4 35.6 53.4
 86 60.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 20.751 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

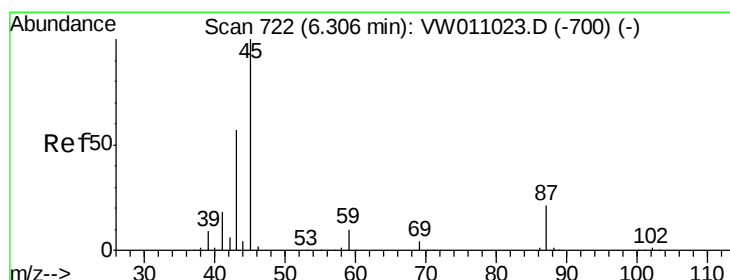
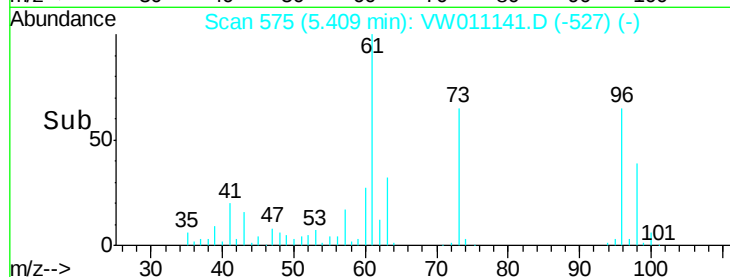
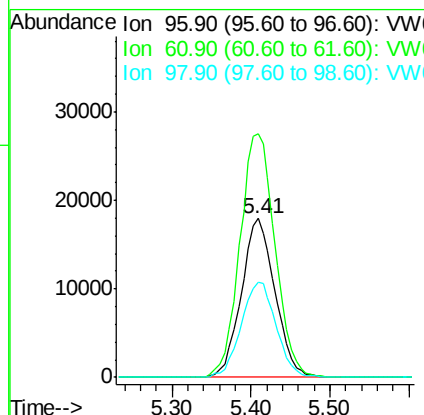
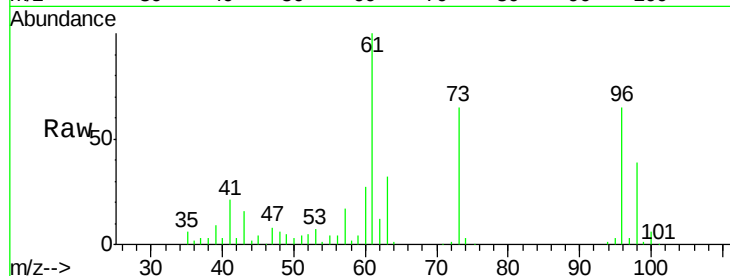
ClientSampleId :

VW0704SBS01

Tot Ion:	96	Resp:	53075
Ion	Ratio	Lower	Upper
96	100		
61	153.3	131.0	196.4
98	60.3	50.8	76.2

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#22

Diisopropyl ether

Concen: 20.436 ug/l

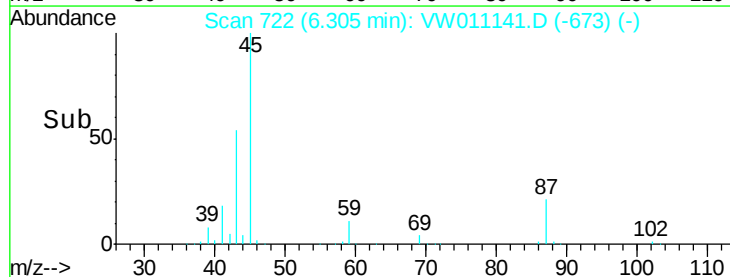
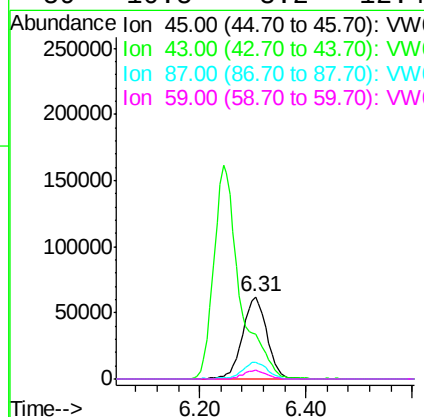
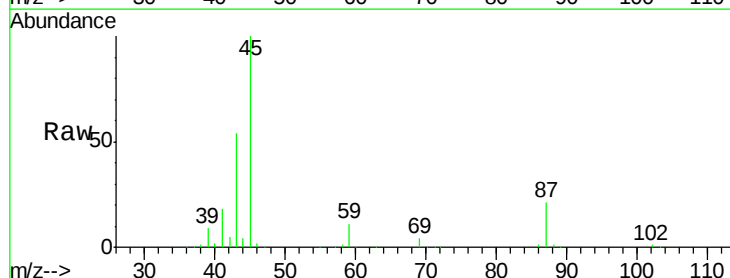
RT: 6.31 min Scan# 722

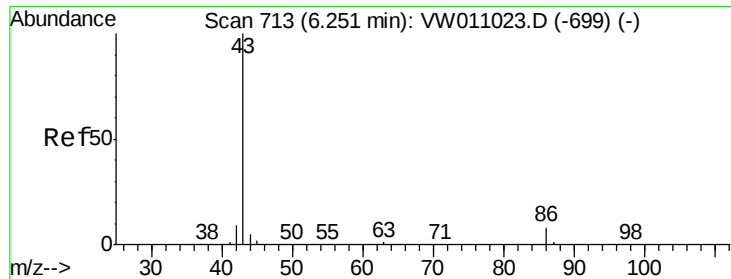
Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion:	45	Resp:	196463
Ion	Ratio	Lower	Upper
45	100		
43	53.3	45.8	68.6
87	20.7	17.1	25.7
59	10.5	8.2	12.4





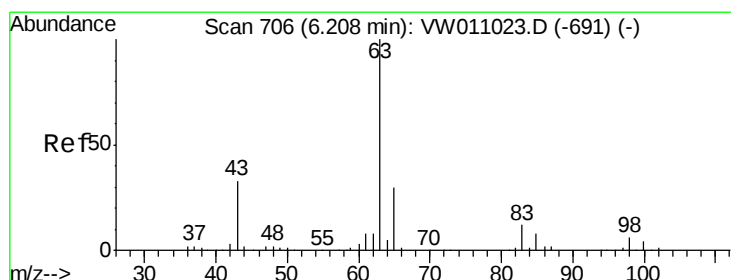
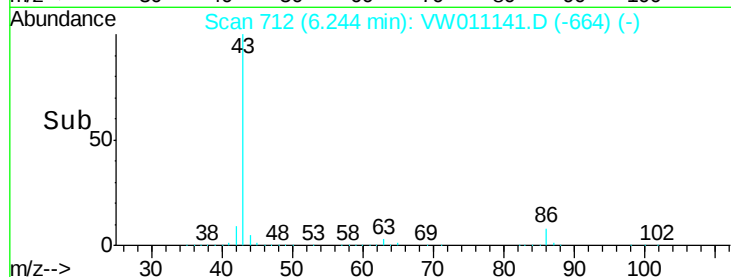
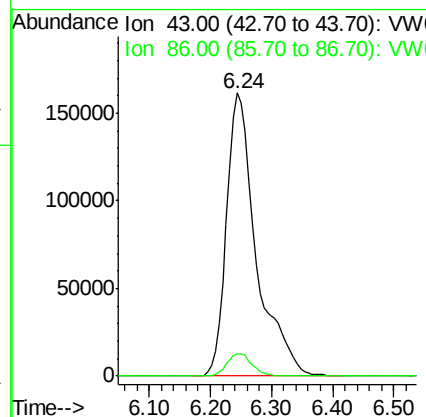
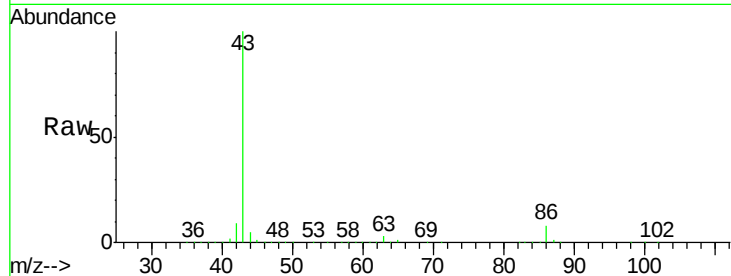
#23
 Vinyl Acetate
 Concen: 91.767 ug/l
 RT: 6.24 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	43	Resp	543587
Ion Ratio	Lower	Upper	
43	100		
86	7.9	6.6	10.0

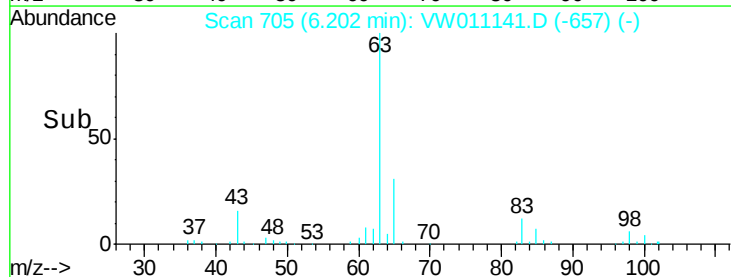
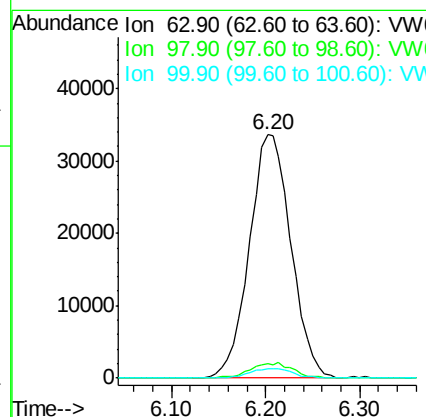
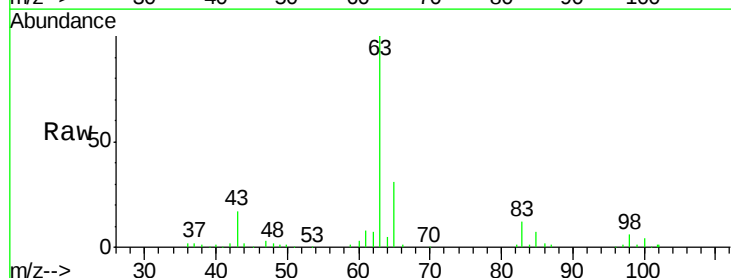
Manual Integrations
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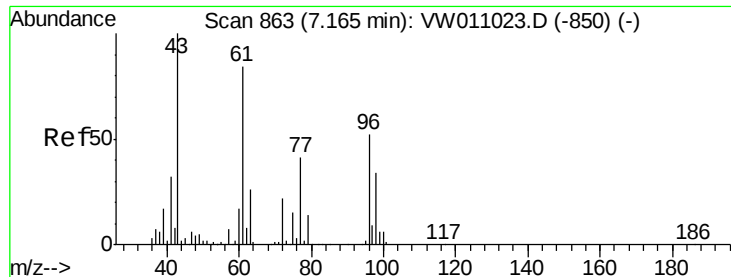
MMDadoda
 7/8/2019 9:41:39 AM



#24
 1,1-Dichloroethane
 Concen: 20.487 ug/l
 RT: 6.20 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	63	Resp	103964
Ion Ratio	Lower	Upper	
63	100		
98	6.1	3.1	9.4
100	3.9	2.1	6.2





#25

2-Butanone

Concen: 86.356 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion: 43 Resp: 91847

Ion Ratio Lower Upper

43 100

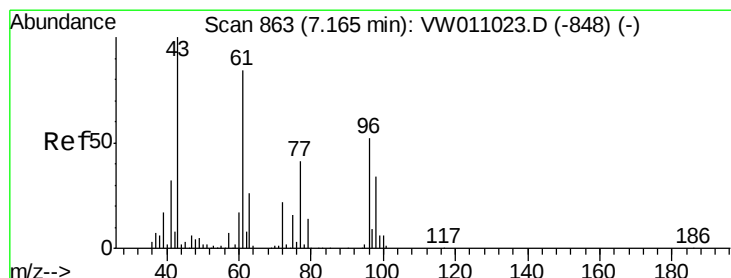
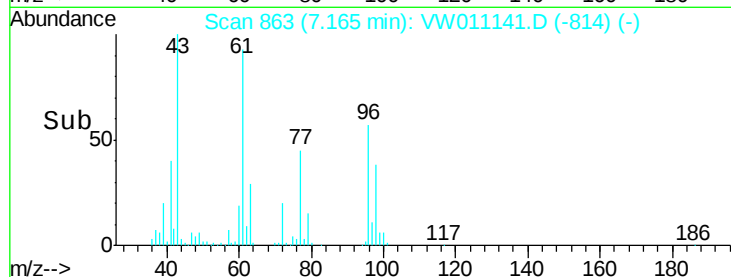
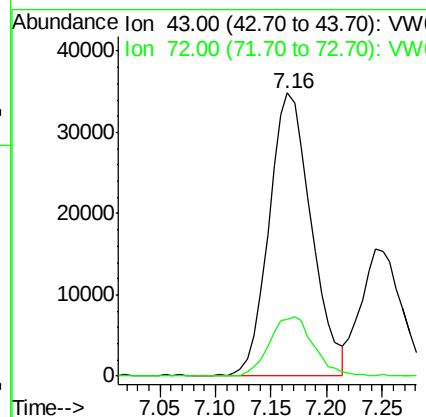
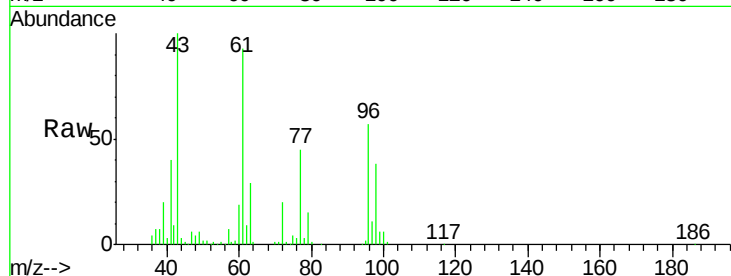
72 20.3 17.2 25.8

Manual Integrations

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MMDadoda

7/8/2019 9:41:39 AM



#26

2,2-Dichloropropane

Concen: 18.717 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011141.D

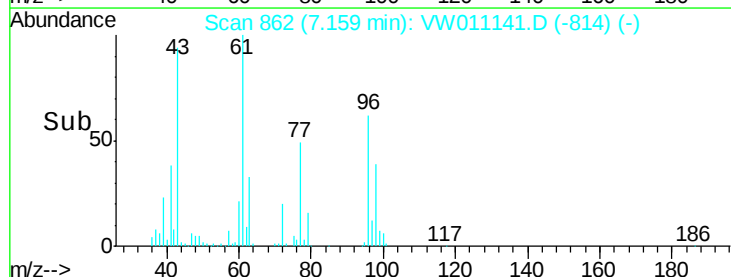
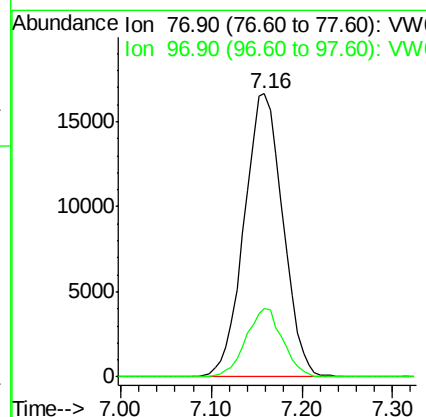
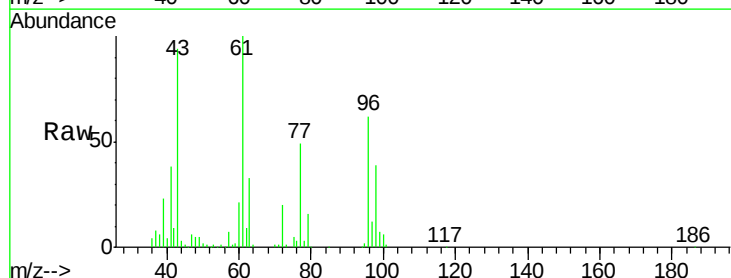
Acq: 03 Jul 2019 15:51

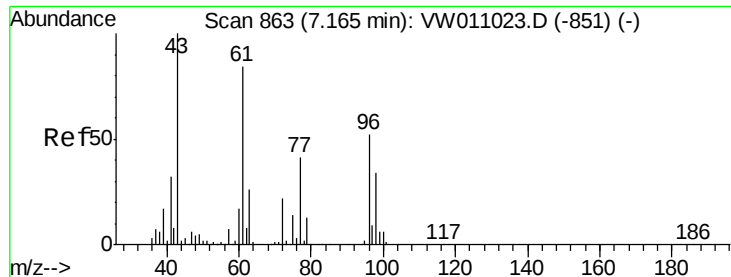
Tgt Ion: 77 Resp: 49313

Ion Ratio Lower Upper

77 100

97 22.9 10.9 32.7





#27

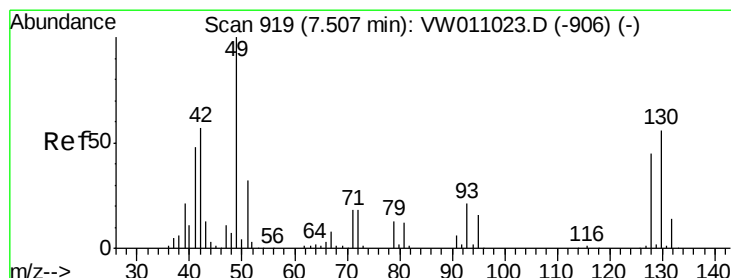
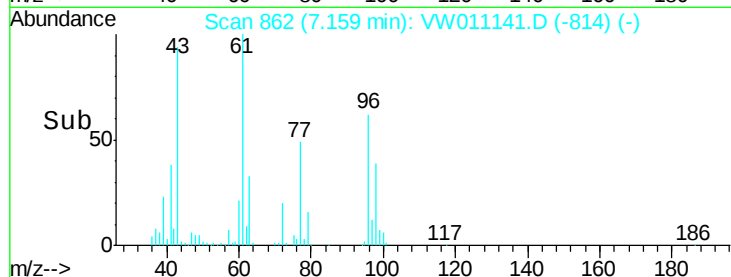
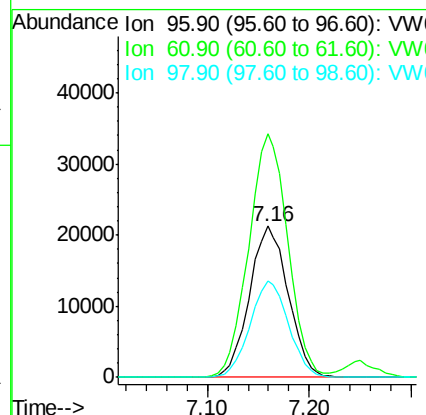
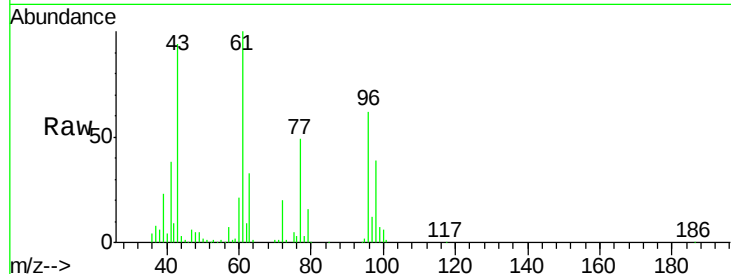
cis-1,2-Dichloroethene
Concen: 20.388 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.9	0.0	330.4
98	63.2	0.0	129.4

Manual Integrations
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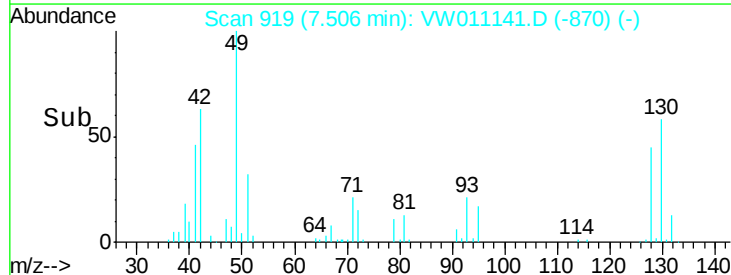
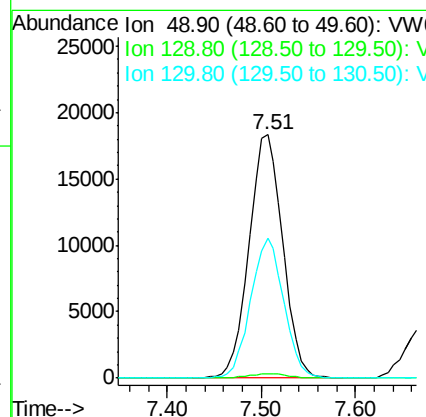
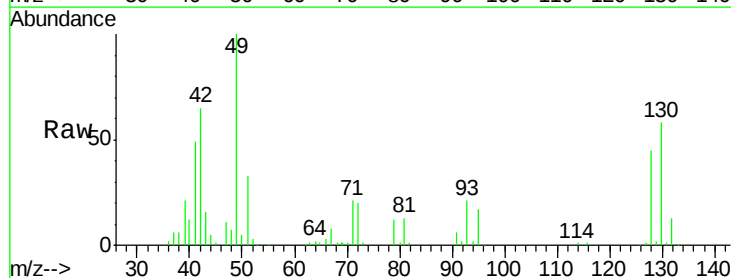
MMDadoda
7/8/2019 9:41:39 AM

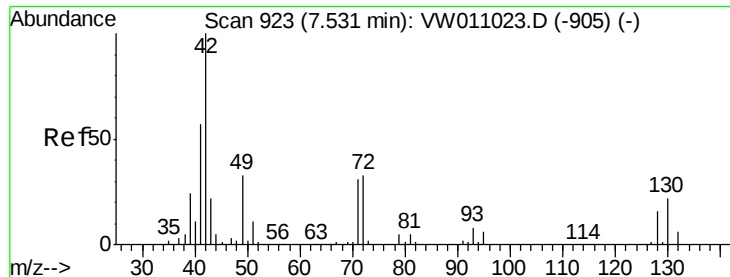


#28

Bromochloromethane
Concen: 19.476 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.4
130	56.6	46.1	69.1





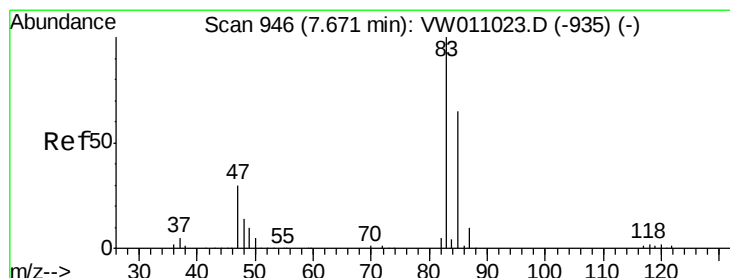
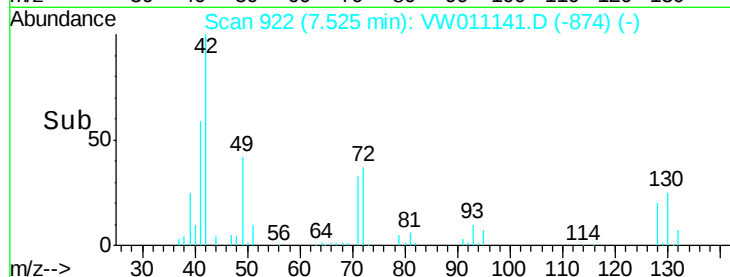
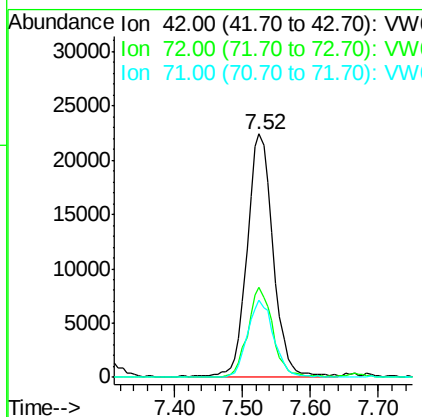
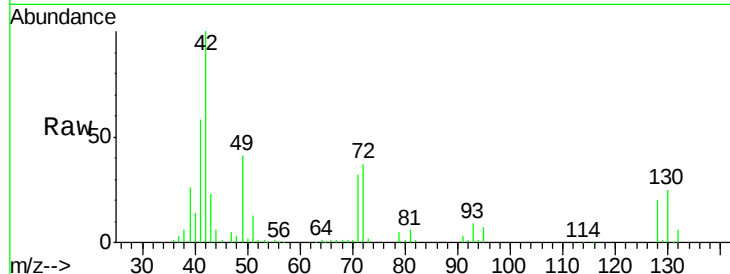
#29
Tetrahydrofuran
Concen: 89.674 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	27.4	41.0
71	32.3	25.6	38.4

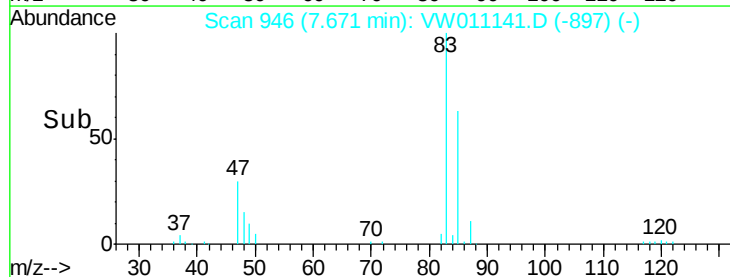
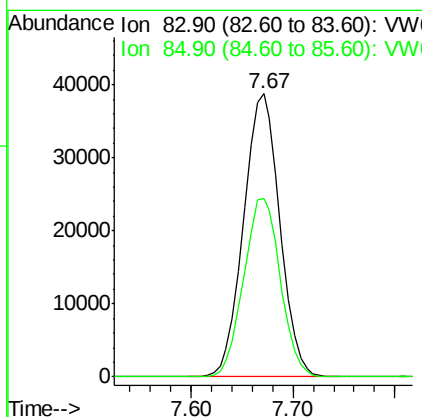
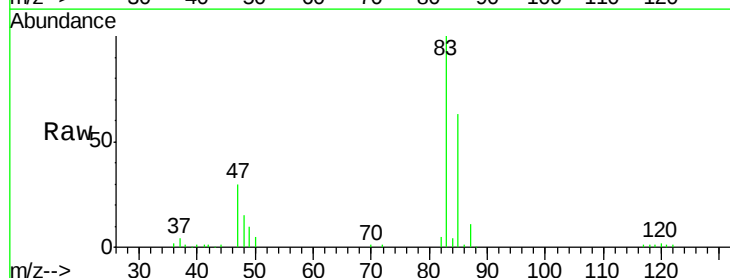
Manual Integrations
APPROVED

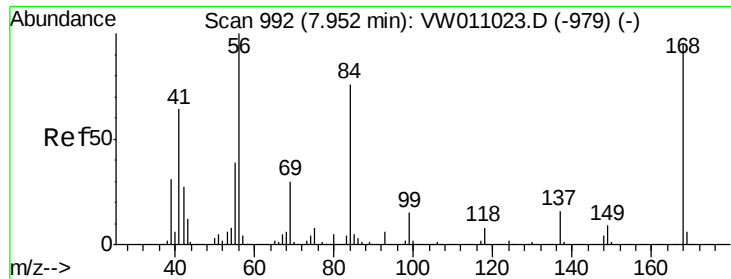
MMDadoda
7/8/2019 9:41:39 AM



#30
Chloroform
Concen: 20.806 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.2	78.4





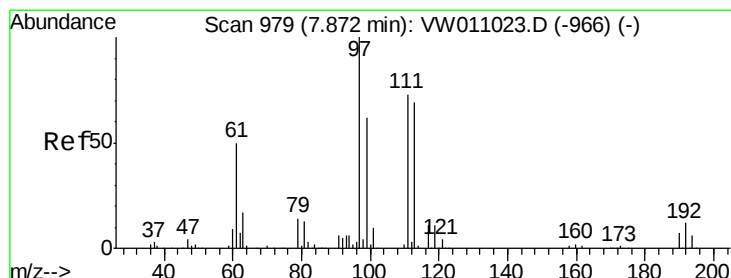
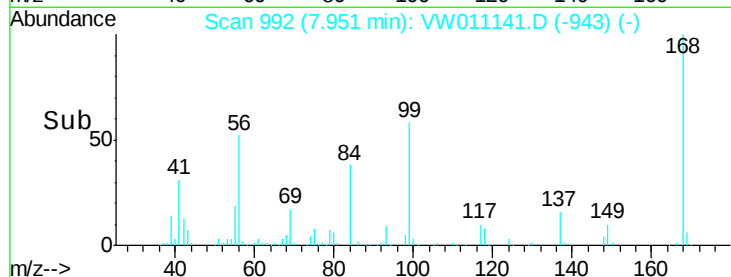
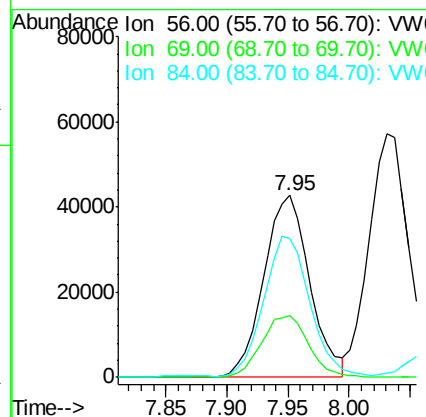
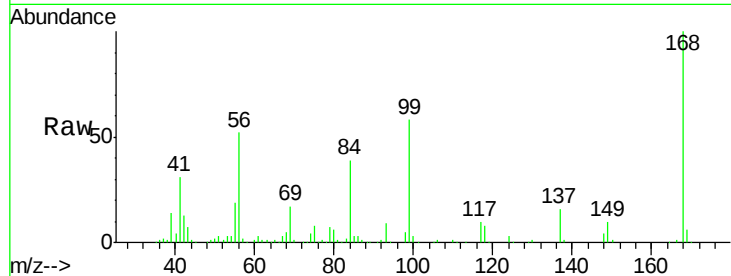
#31
Cyclohexane
Concen: 20.396 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	111837		
69	33.8	24.2	36.2	
84	75.1	60.6	90.8	

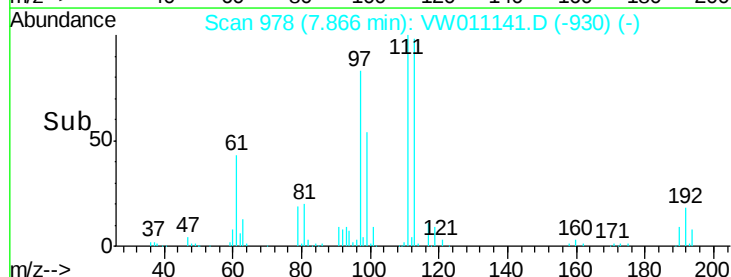
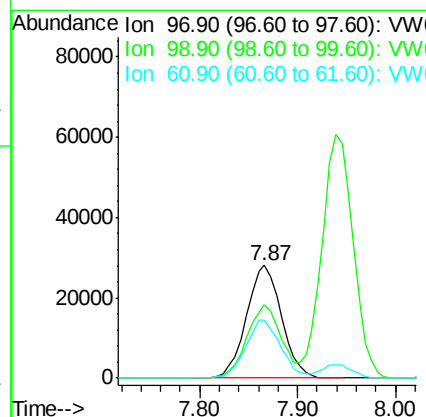
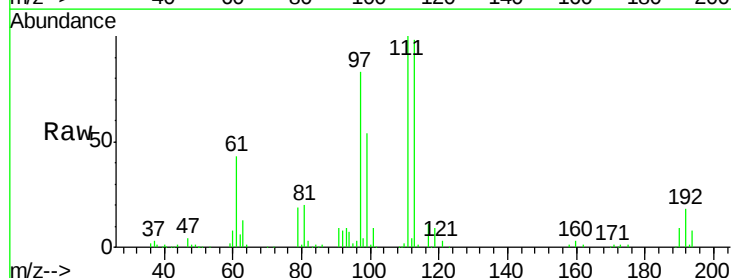
Manual Integrations
APPROVED

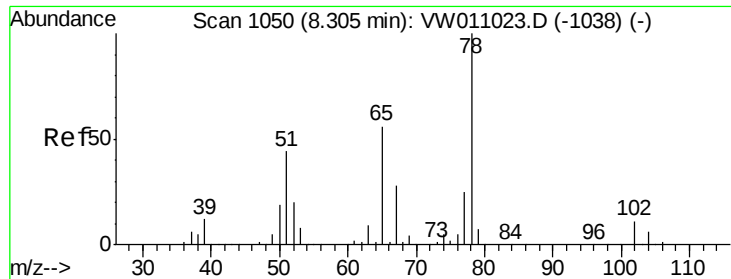
MMDadoda
7/8/2019 9:41:39 AM



#32
1,1,1-Trichloroethane
Concen: 20.403 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	70289		
99	62.6	51.1	76.7	
61	51.1	41.4	62.2	





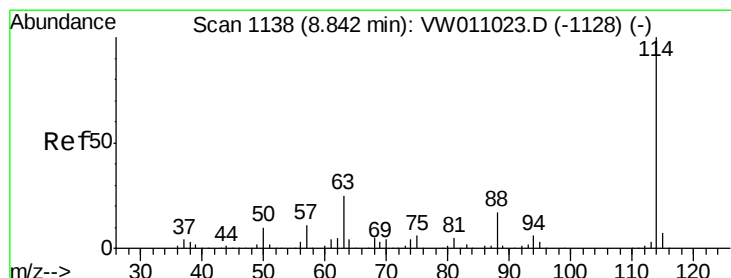
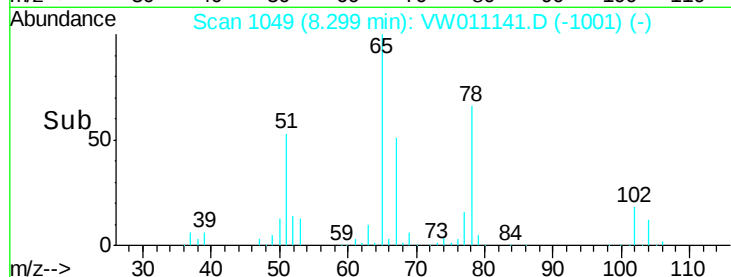
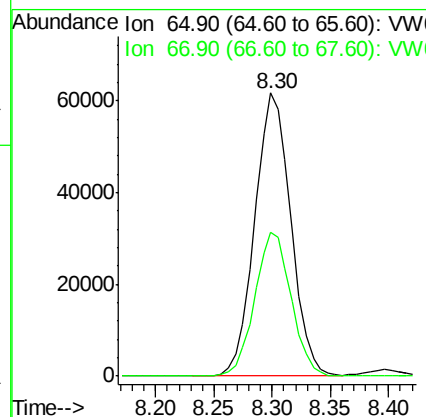
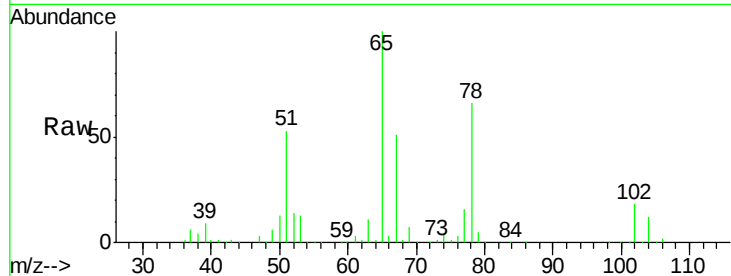
#33
 1,2-Dichloroethane-d4
 Concen: 46.544 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	133420		
67	51.0	0.0	102.4	

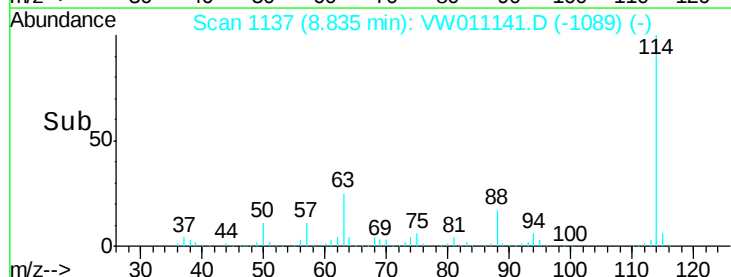
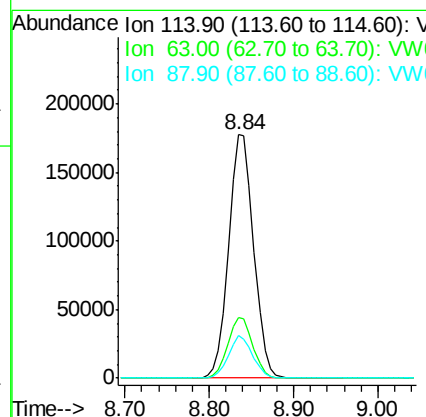
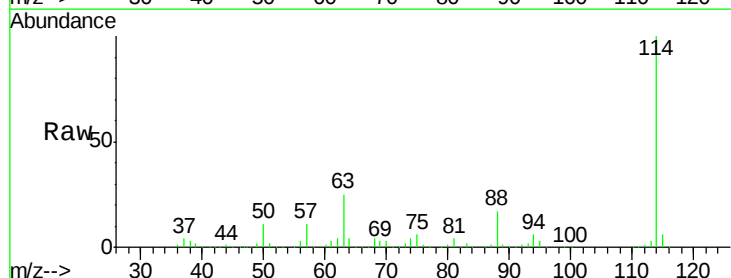
Manual Integrations
 APPROVED

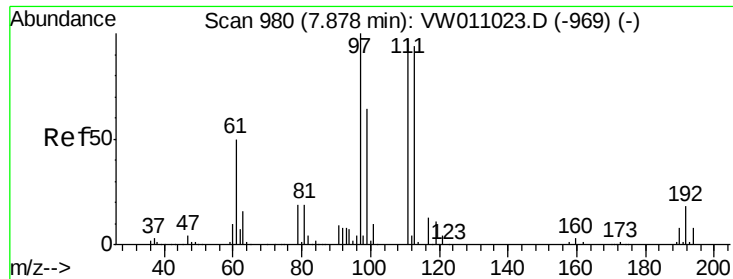
MMDadoda
 7/8/2019 9:41:39 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358224		
63	25.0	0.0	50.6	
88	17.3	0.0	34.0	





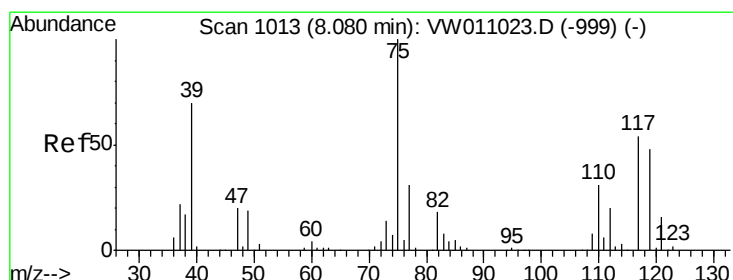
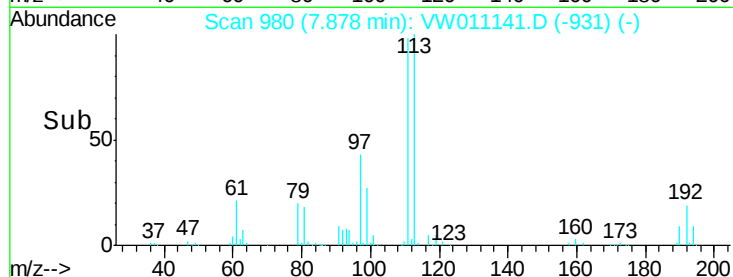
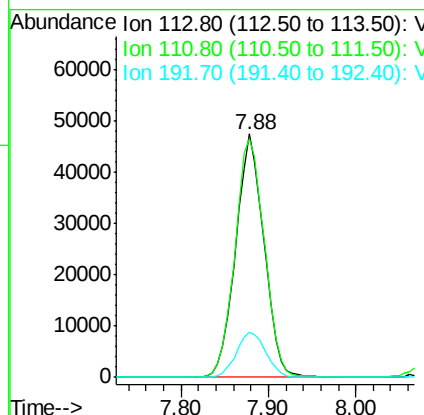
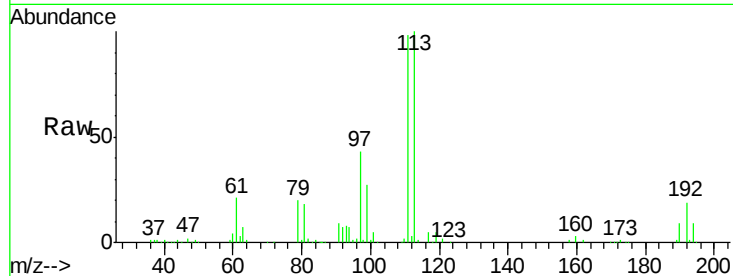
#35
 Dibromofluoromethane
 Concen: 48.815 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	106780		
111	102.1	83.8	125.6	
192	19.3	16.0	24.0	

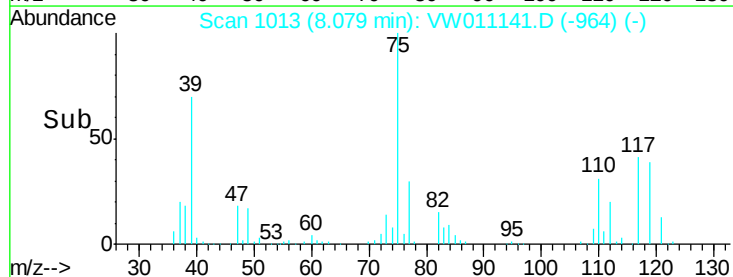
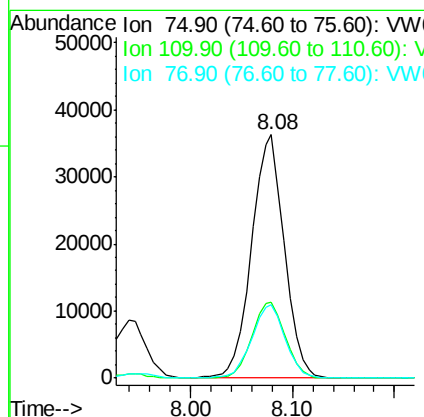
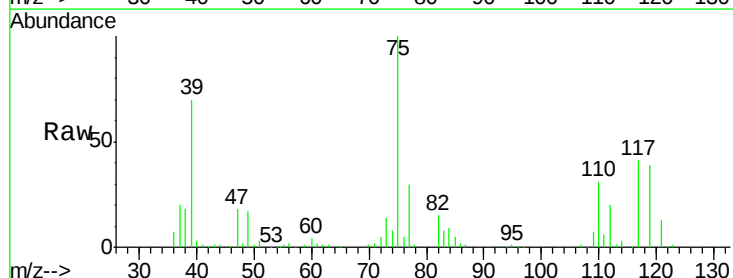
Manual Integrations
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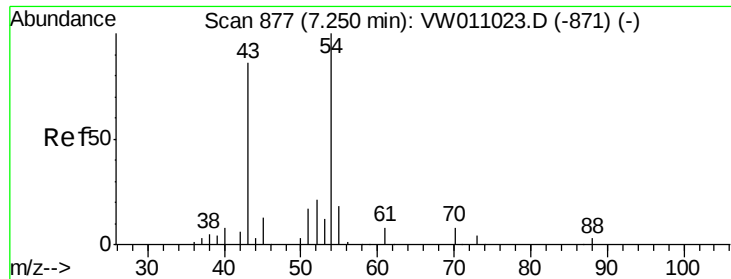
MMDadoda
 7/8/2019 9:41:39 AM



#36
 1,1-Dichloropropene
 Concen: 21.061 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81092		
110	31.8	15.5	46.5	
77	31.1	24.9	37.3	





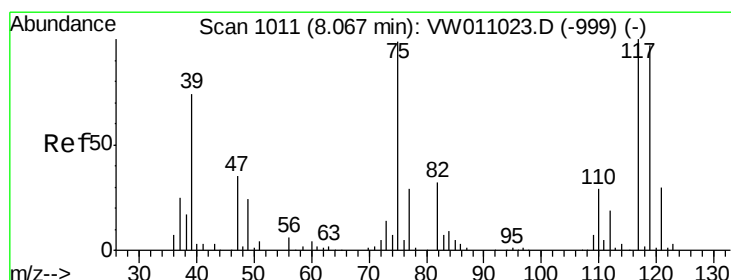
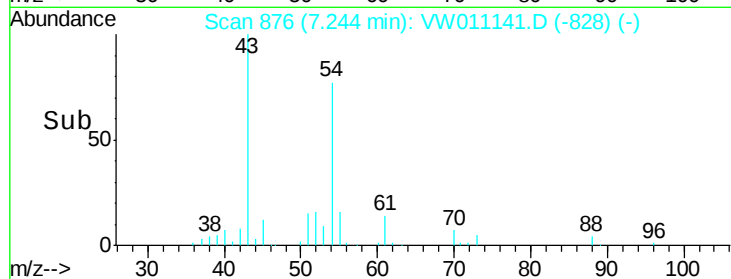
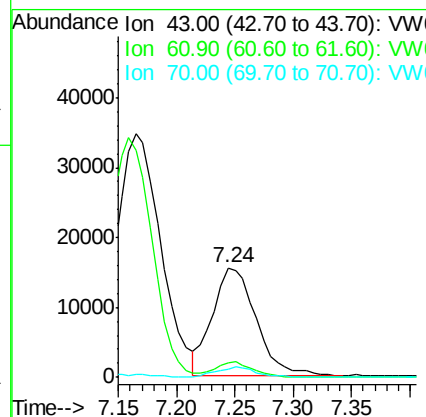
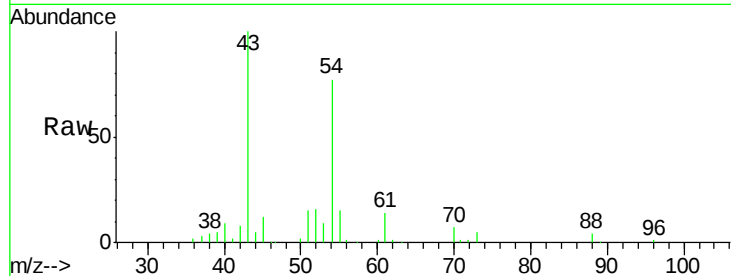
#37
Ethyl Acetate
Concen: 18.078 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.7	9.0	13.4
70	9.0	7.2	10.8

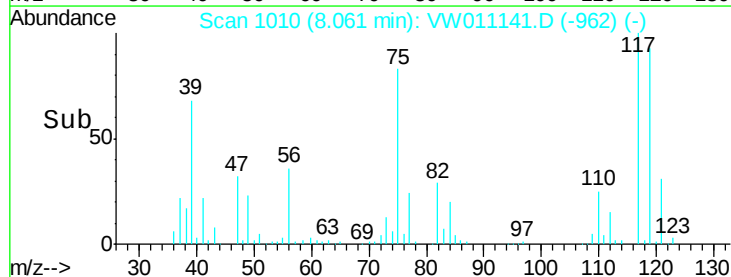
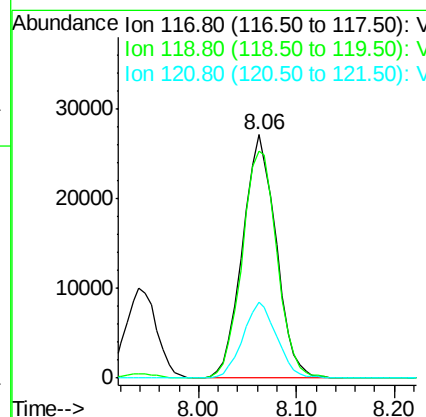
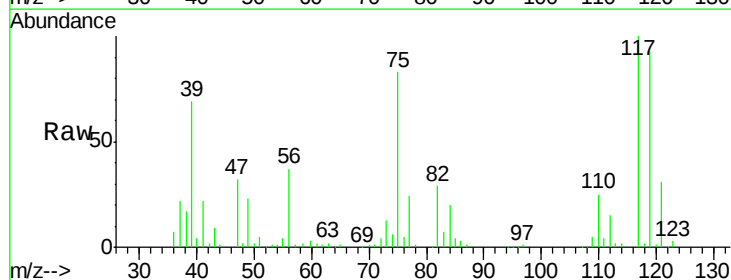
Manual Integrations
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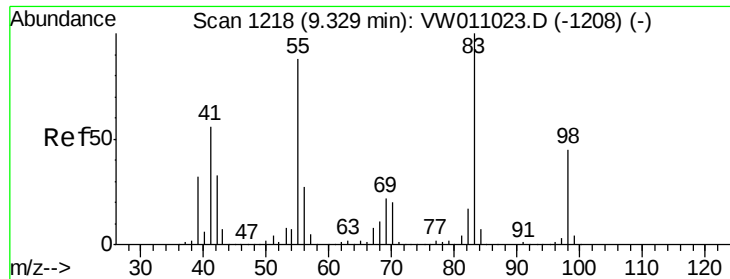
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.416 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.7	116.5
121	31.0	23.9	35.9





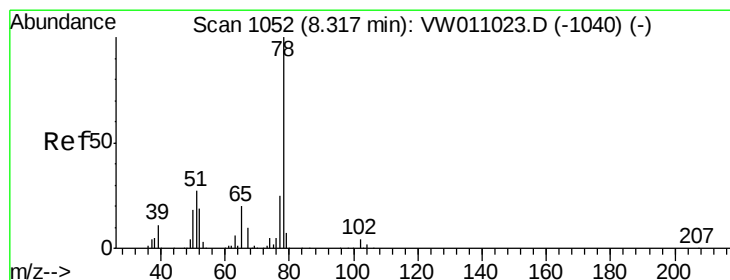
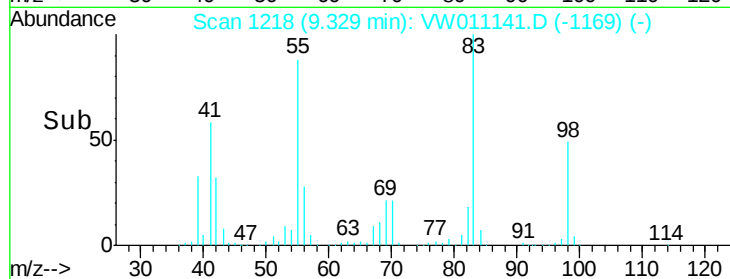
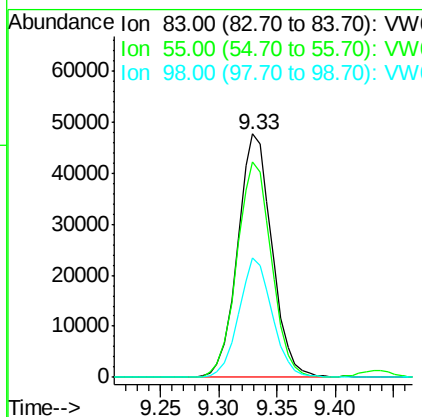
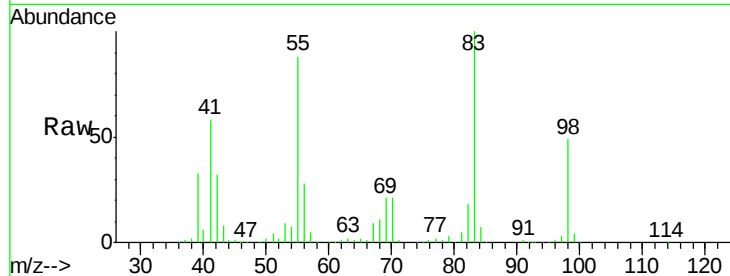
#39
Methylvlcvclohexane
Concen: 20.657 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	83.00	Resp	97880
Ion	Ratio	Lower	Upper
83	100		
55	88.2	70.7	106.1
98	49.0	36.4	54.6

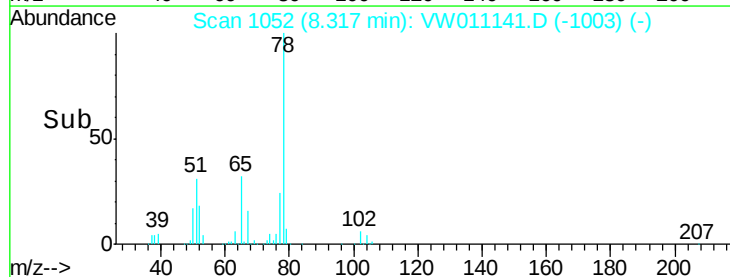
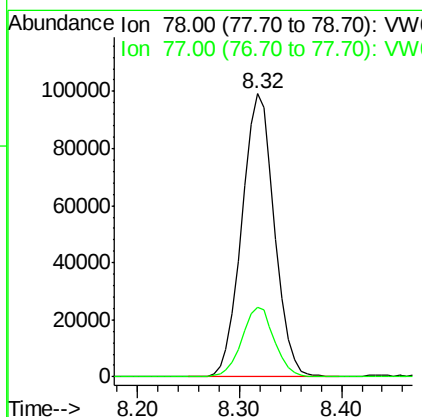
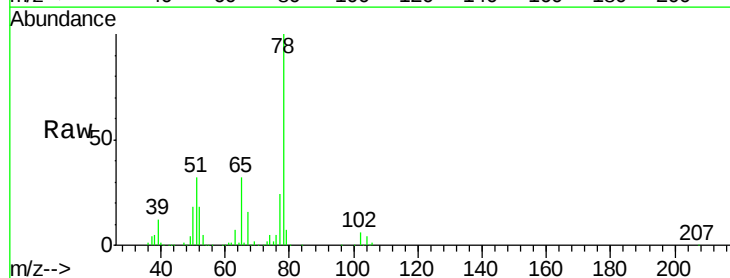
Manual Integrations
APPROVED

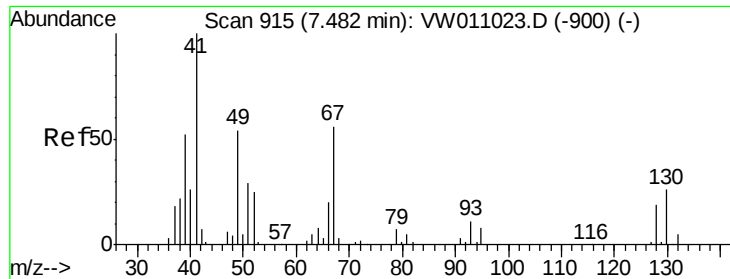
MMDadoda
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#40
Benzene
Concen: 20.784 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	78.00	Resp	220097
Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.7	29.5





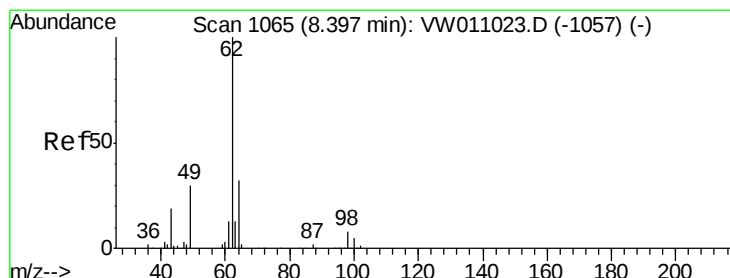
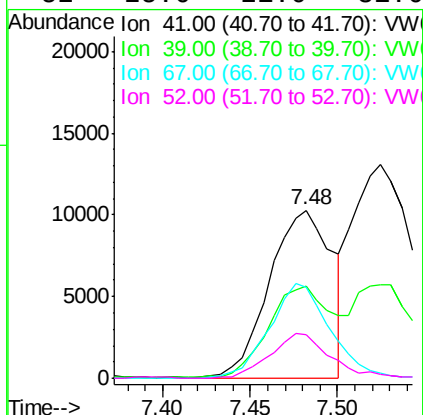
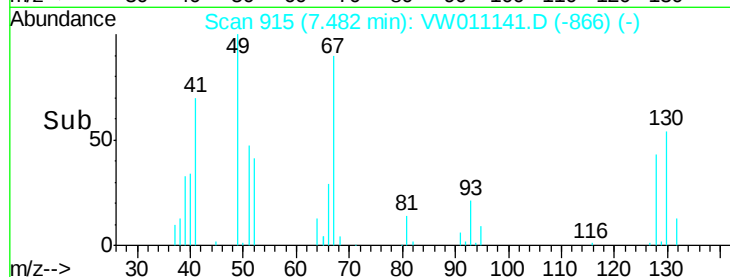
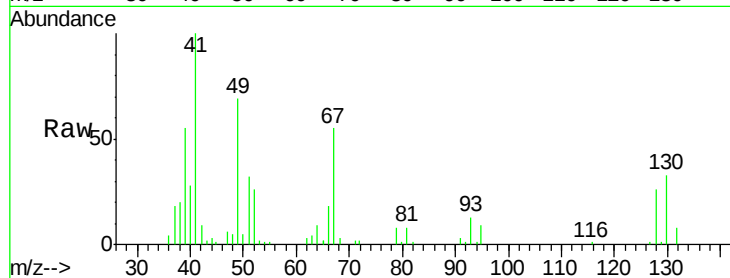
#41
Methacrylonitrile
Concen: 18.935 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	41	Resp	25804
Ion Ratio	Lower	Upper	
41	100		
39	58.7	42.1	63.1
67	55.2	44.2	66.2
52	25.6	21.0	31.6

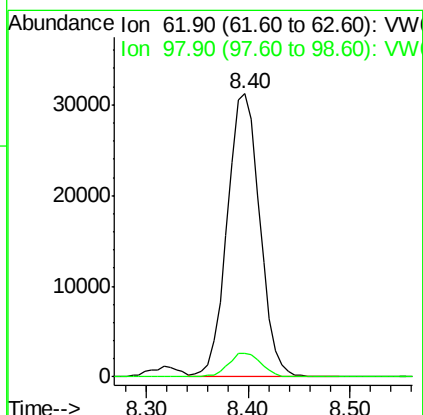
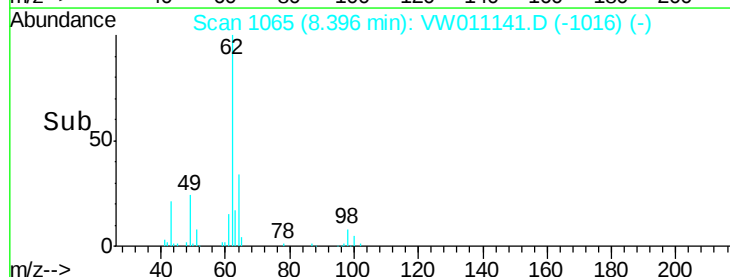
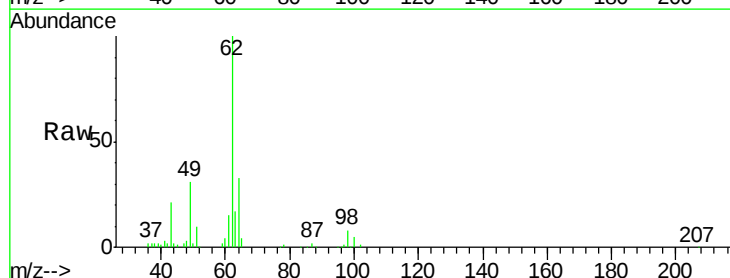
Manual Integrations
APPROVED

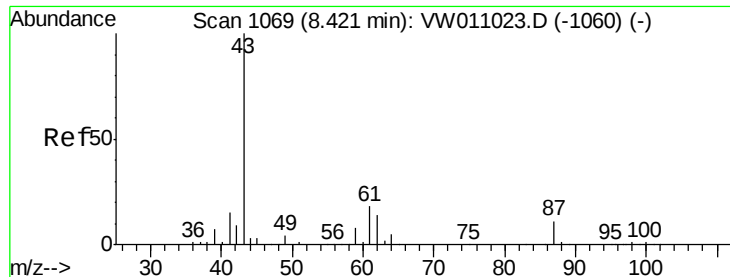
MMDadoda
7/8/2019 9:41:39 AM



#42
1,2-Dichloroethane
Concen: 19.858 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	62	Resp	68951
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.8





#43

Isopropyl Acetate

Concen: 18.198 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

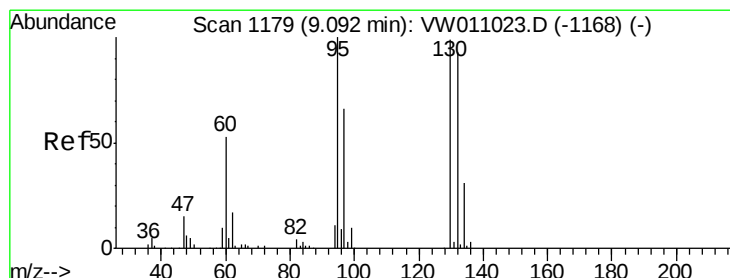
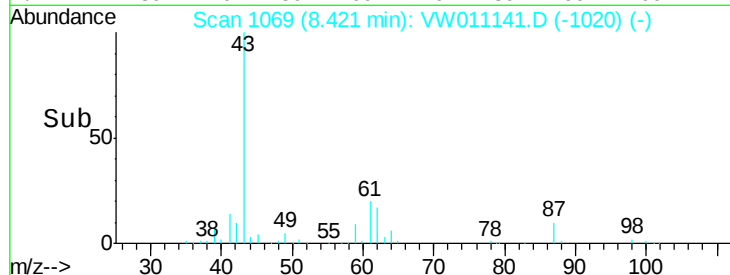
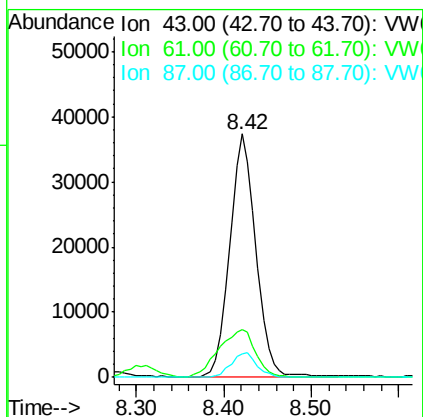
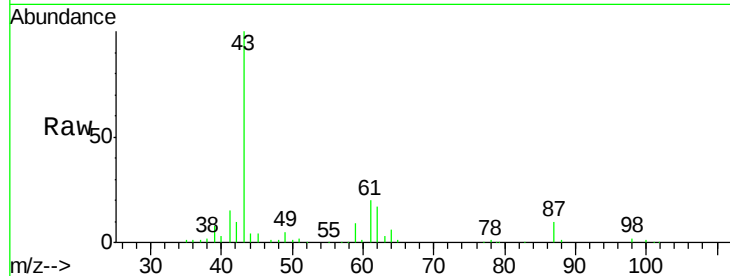
ClientSampled :

VW0704SBS01

Tot Ion:	43	Resp:	77111
Ion	Ratio	Lower	Upper
43	100		
61	27.8	21.0	31.6
87	10.2	8.2	12.4

Manual Integrations
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7/8/2019 9:41:39 AM



#44

Trichloroethene

Concen: 20.546 ug/l

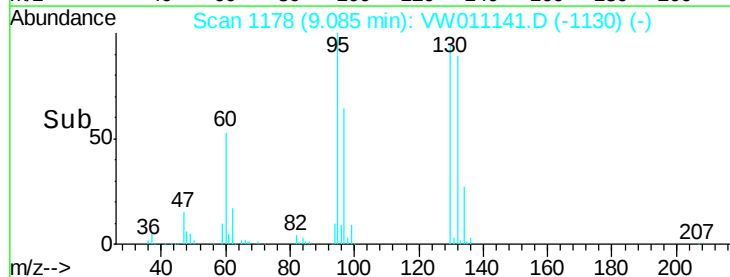
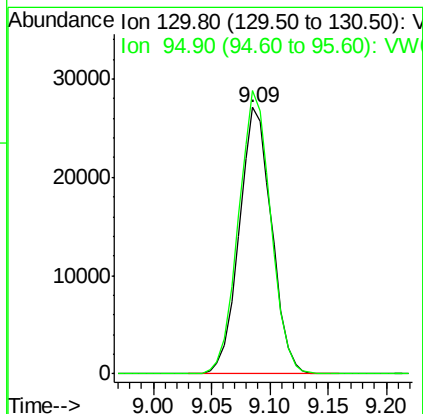
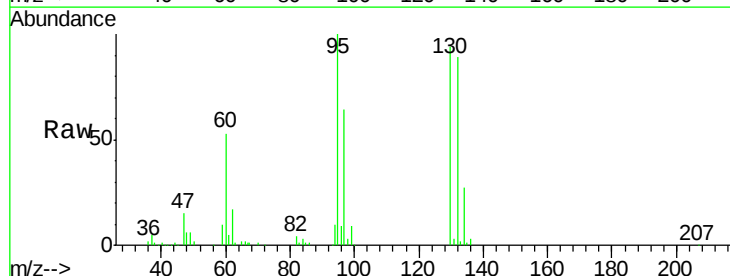
RT: 9.09 min Scan# 1178

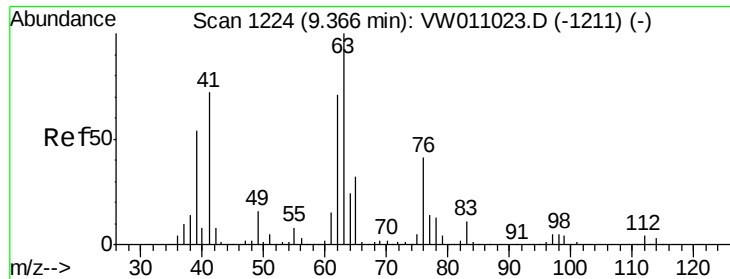
Delta R.T. -0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion:	130	Resp:	52584
Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	202.0





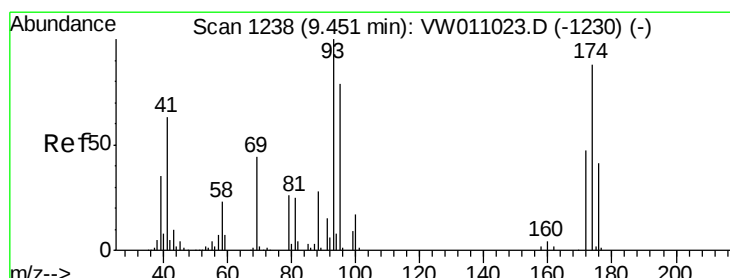
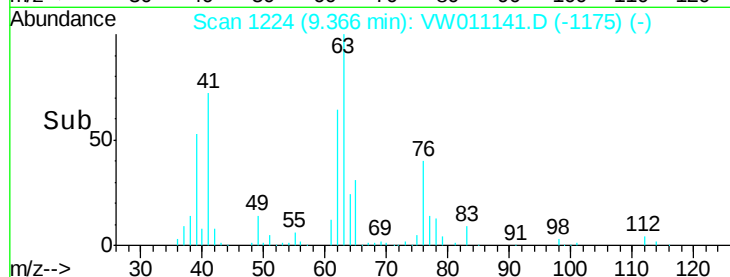
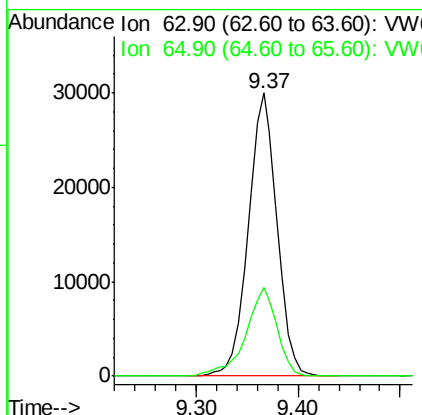
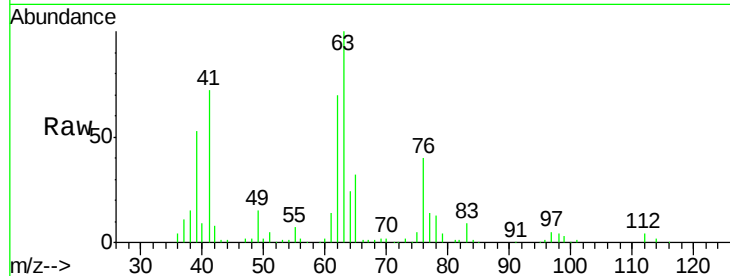
#45
 1,2-Dichloropropane
 Concen: 20.368 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion: 63 Resp: 58573
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.6 38.4

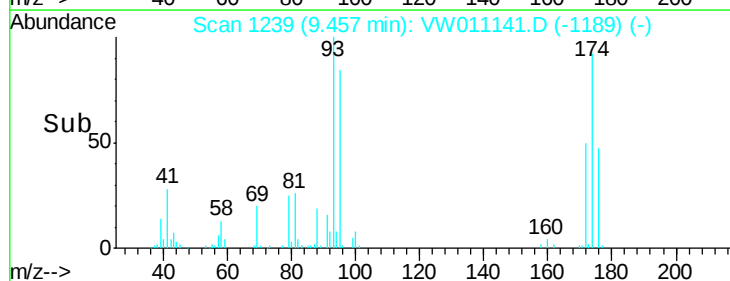
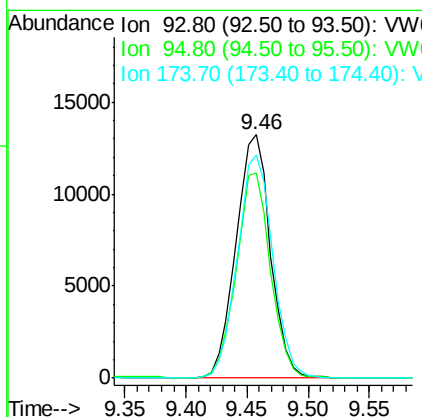
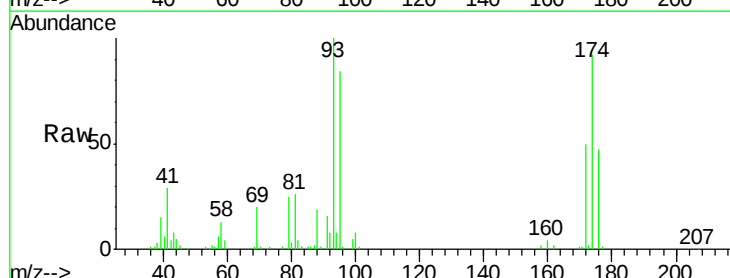
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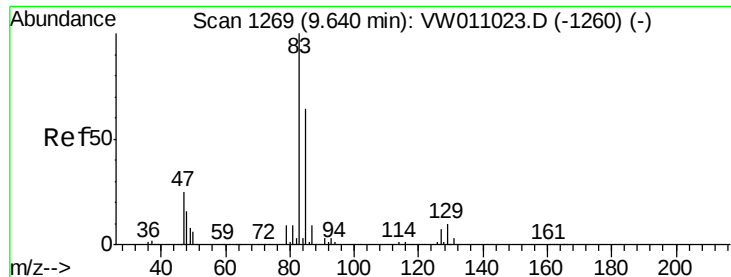
MMDadoda
 7/8/2019 9:41:39 AM



#46
 Dibromomethane
 Concen: 19.227 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion: 93 Resp: 25859
 Ion Ratio Lower Upper
 93 100
 95 83.5 65.8 98.6
 174 94.1 75.4 113.0





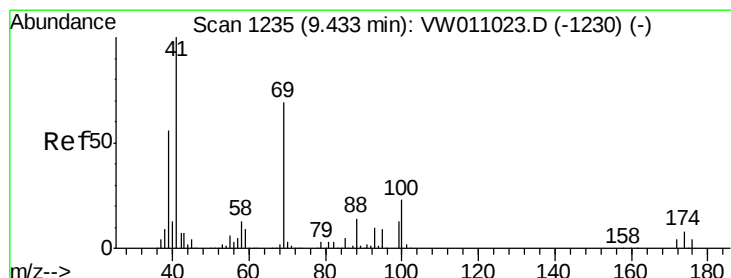
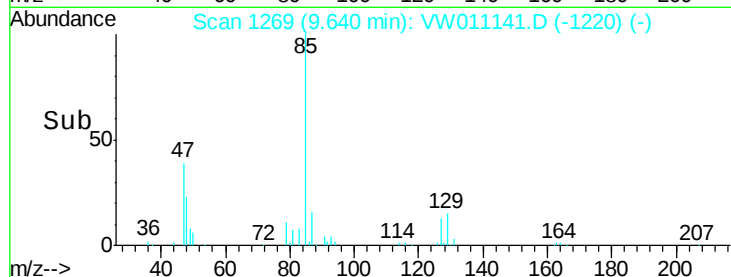
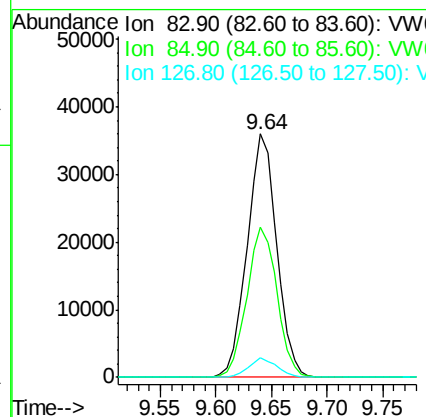
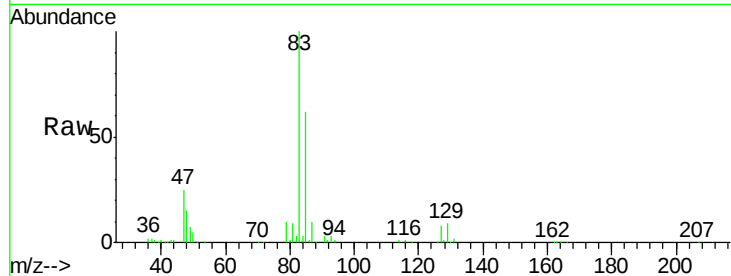
#47
Bromodichloromethane
Concen: 19.930 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	83	Resp	66364
Ion Ratio	100	Lower	Upper
83	100		
85	61.8	51.0	76.4
127	7.9	5.8	8.8

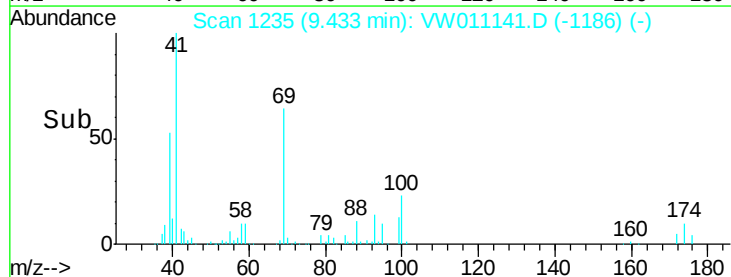
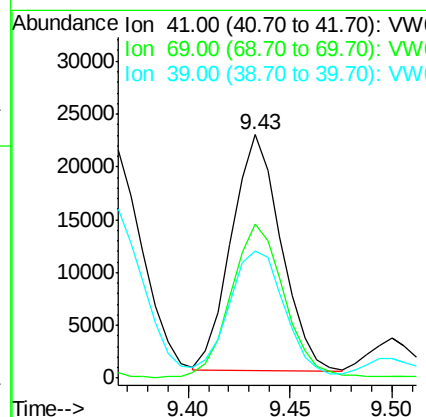
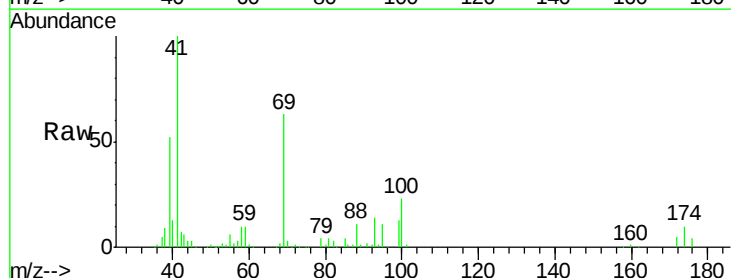
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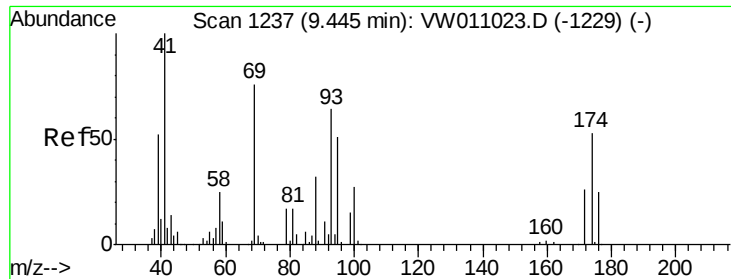
MMDadoda
7/8/2019 9:41:39 AM



#48
Methyl methacrylate
Concen: 18.411 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	41	Resp	37825
Ion Ratio	100	Lower	Upper
41	100		
69	71.0	56.7	85.1
39	60.4	45.0	67.6





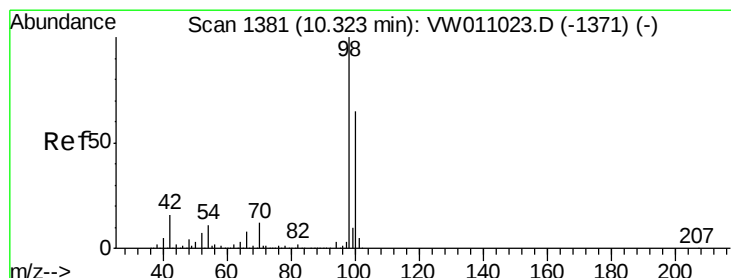
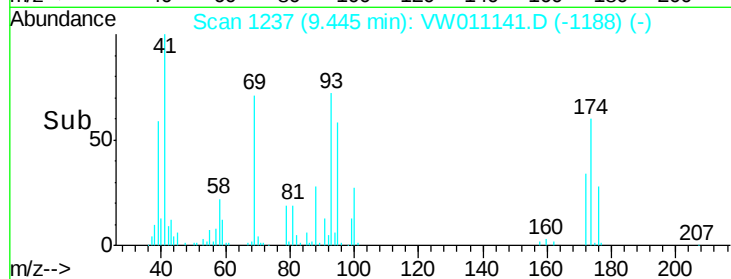
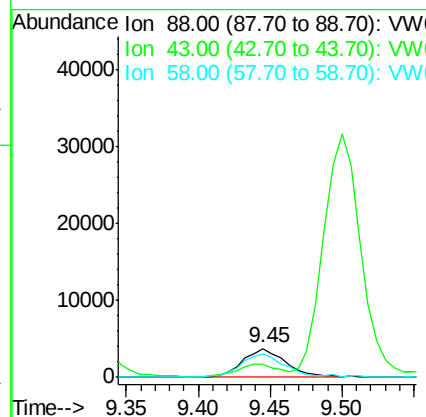
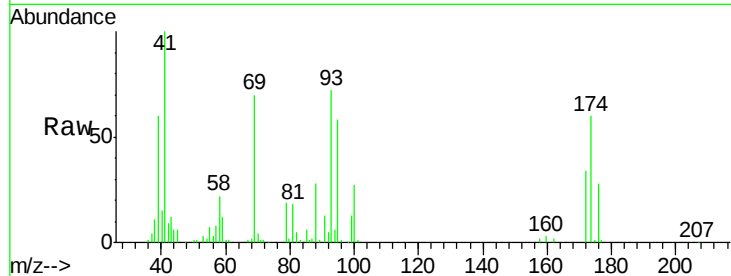
#49
1,4-Dioxane
Concen: 339.218 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.7	34.4	51.6
58	83.7	65.2	97.8

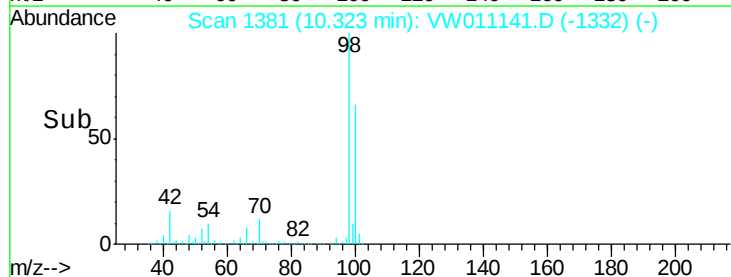
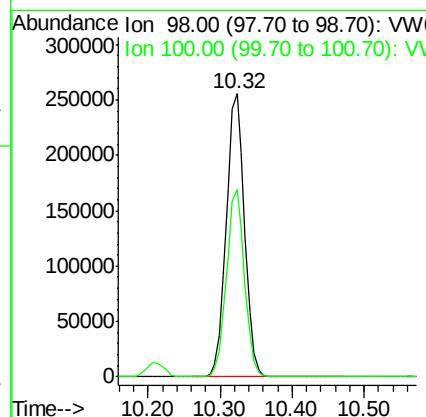
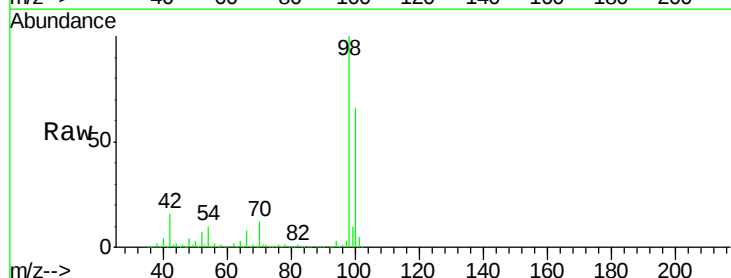
Manual Integrations
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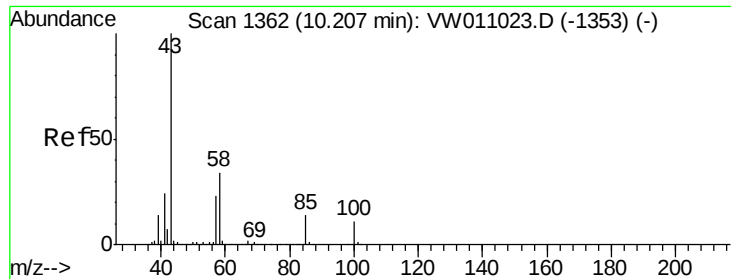
MMDadoda
7/8/2019 9:41:39 AM



#50
Toluene-d8
Concen: 49.963 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 90.321 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion: 43 Resp: 201456

Ion Ratio Lower Upper

43 100

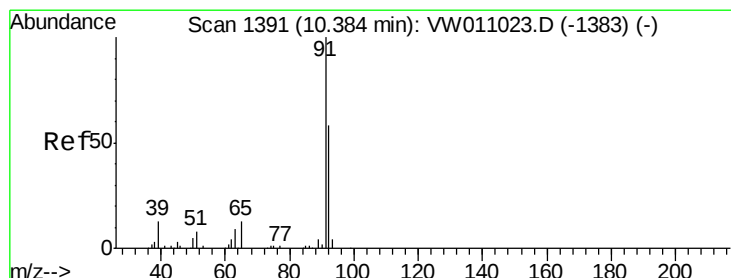
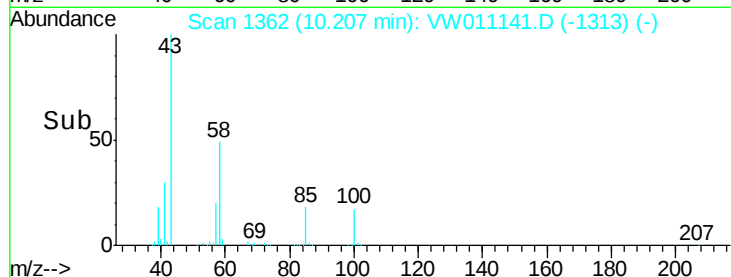
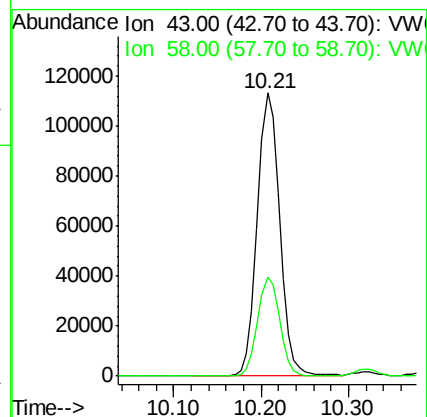
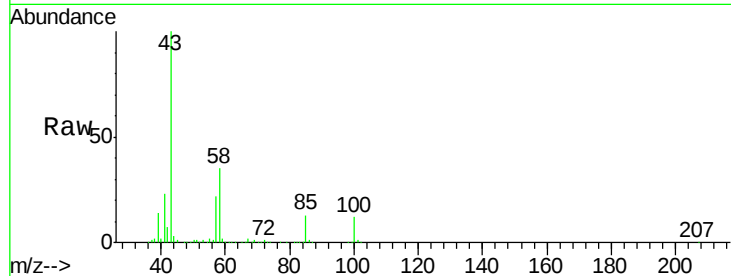
58 34.9 27.8 41.6

Manual Integrations

APPROVED

MMDadoda

7/8/2019 9:41:39 AM



#52

Toluene

Concen: 20.911 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011141.D

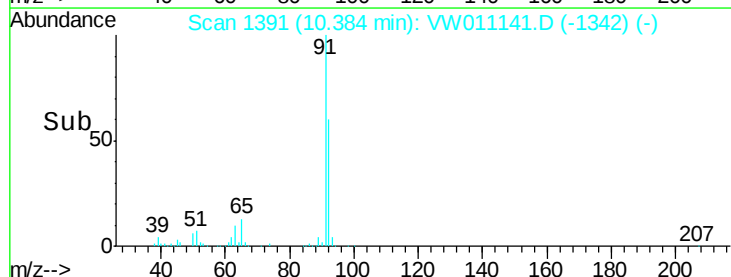
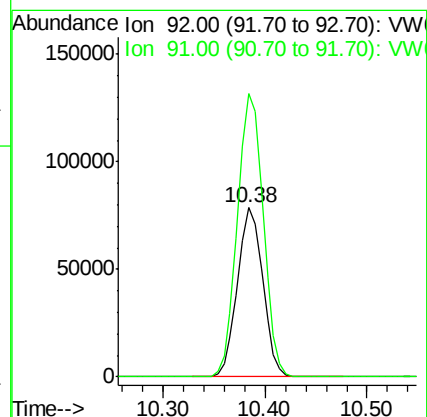
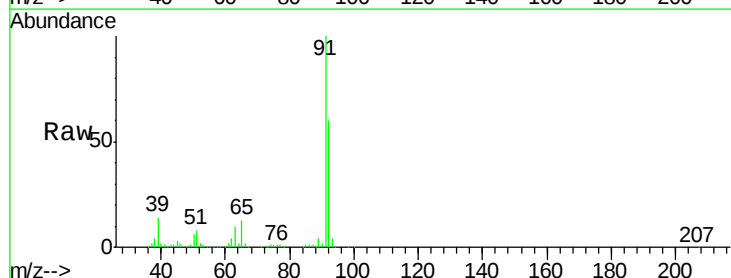
Acq: 03 Jul 2019 15:51

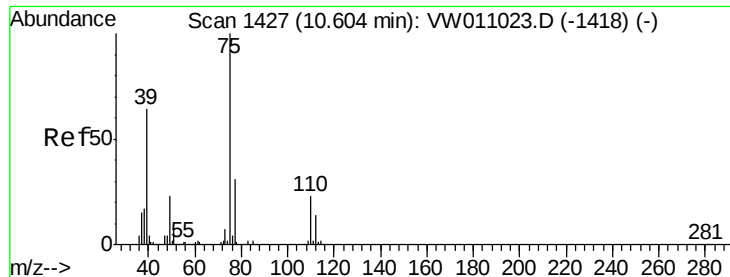
Tgt Ion: 92 Resp: 135576

Ion Ratio Lower Upper

92 100

91 170.2 136.9 205.3





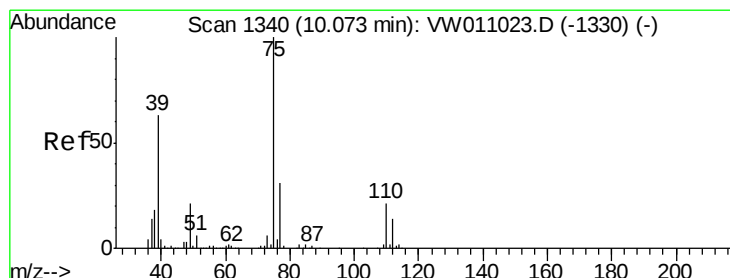
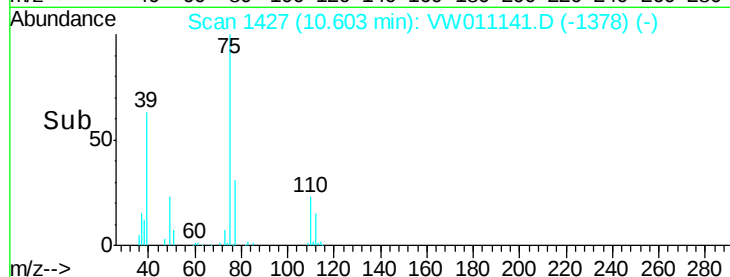
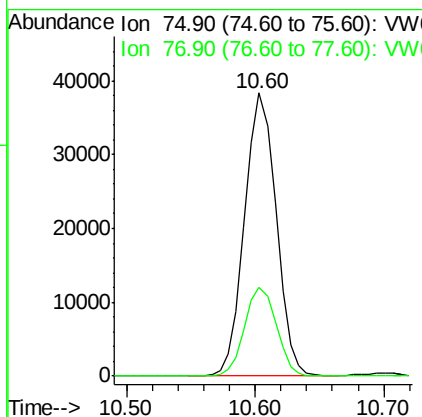
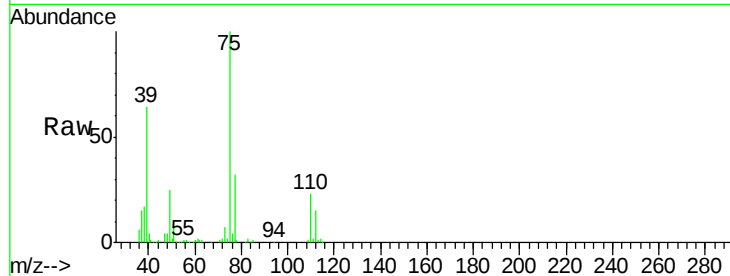
#53
t-1,3-Dichloropropene
Concen: 18.836 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion: 75 Resp: 65331
Ion Ratio Lower Upper
75 100
77 31.6 24.6 37.0

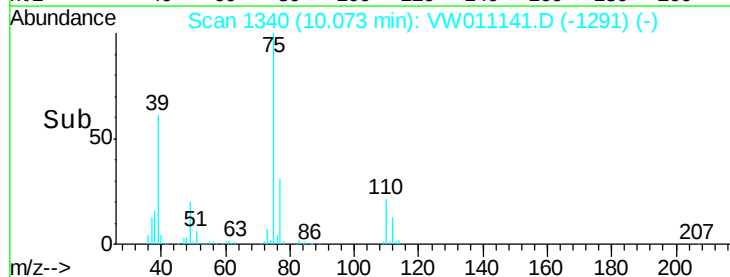
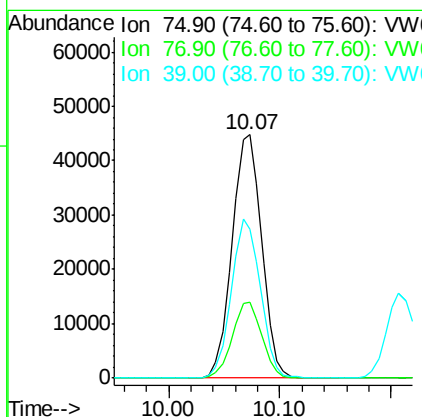
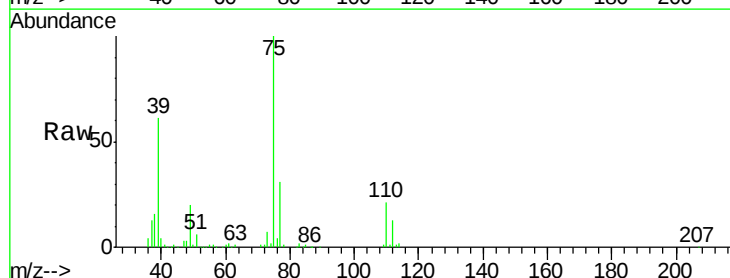
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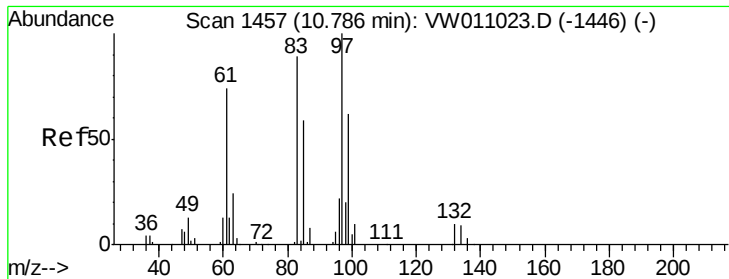
MMDadoda
7/8/2019 9:41:39 AM



#54
cis-1,3-Dichloropropene
Concen: 19.906 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 75 Resp: 82362
Ion Ratio Lower Upper
75 100
77 31.3 24.8 37.2
39 61.1 50.0 75.0





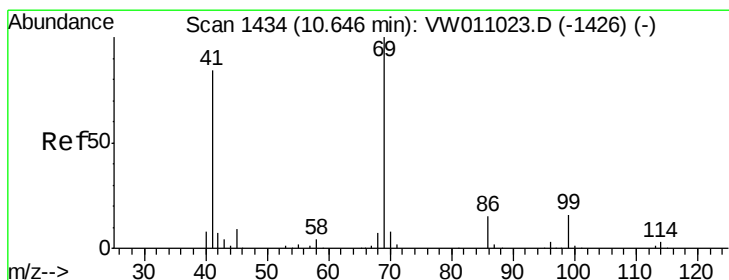
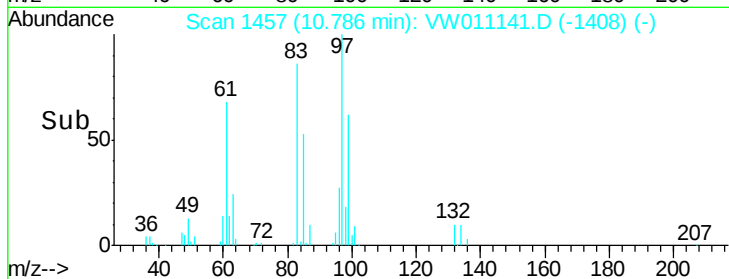
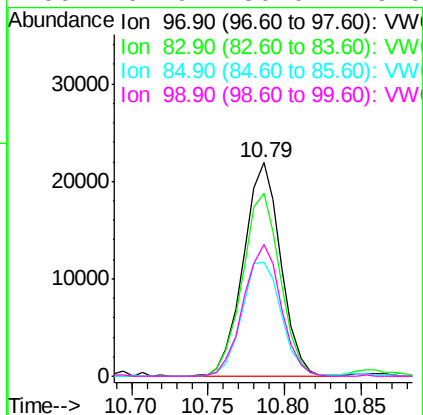
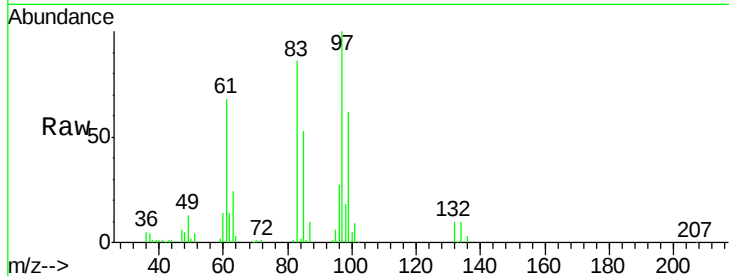
#55
 1,1,2-Trichloroethane
 Concen: 19.618 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion:	97	Resp:	37277
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.9	106.3
85	53.2	47.2	70.8
99	61.9	50.0	75.0

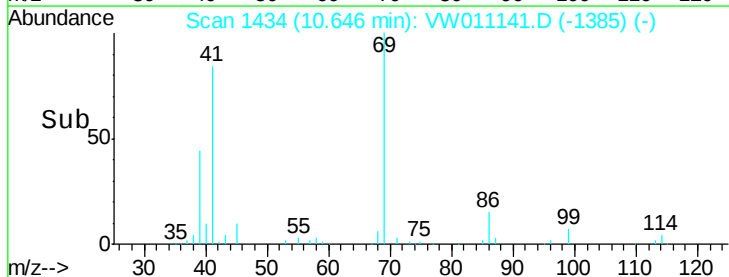
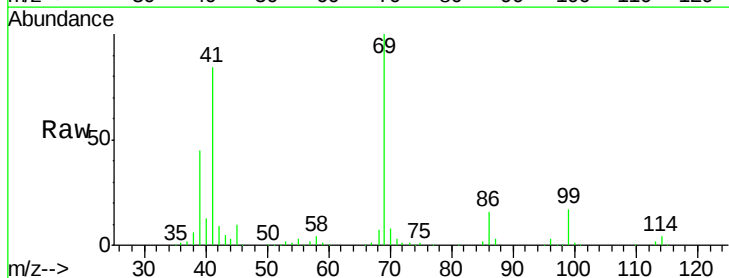
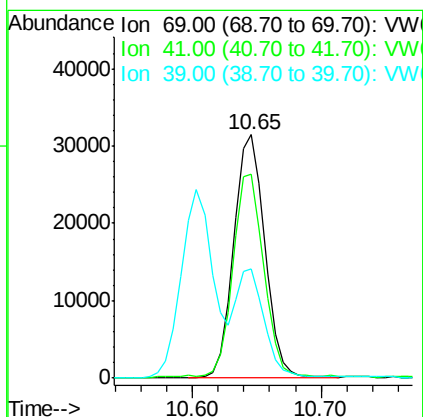
Manual Integrations
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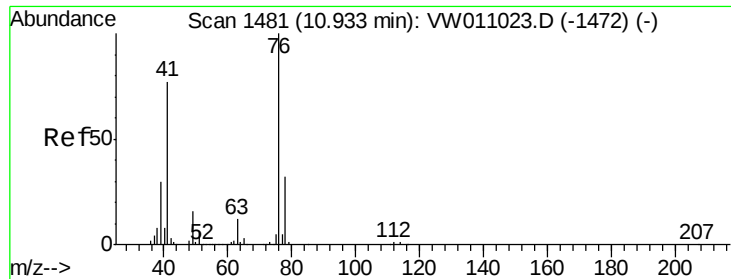
MMDadoda
 7/8/2019 9:41:39 AM



#56
 Ethyl methacrylate
 Concen: 18.625 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion:	69	Resp:	52997
Ion	Ratio	Lower	Upper
69	100		
41	84.2	67.9	101.9
39	39.7	33.2	49.8





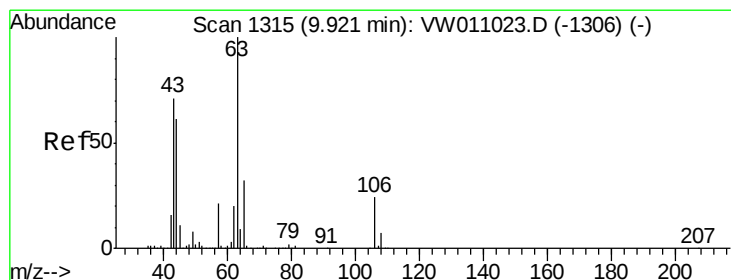
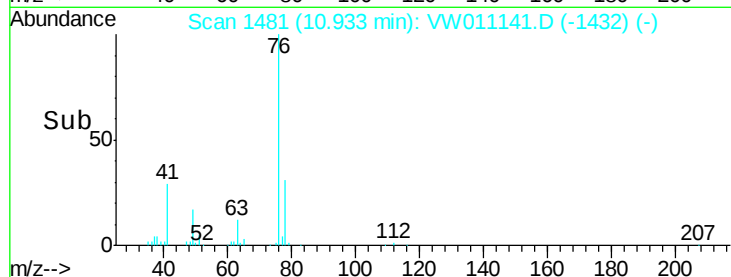
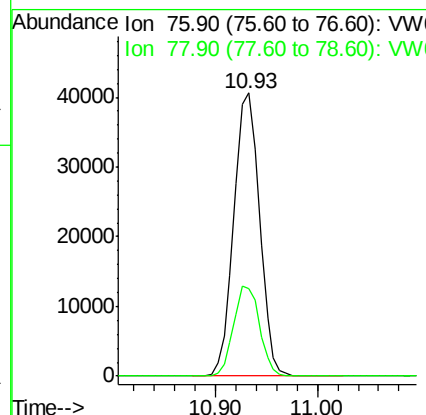
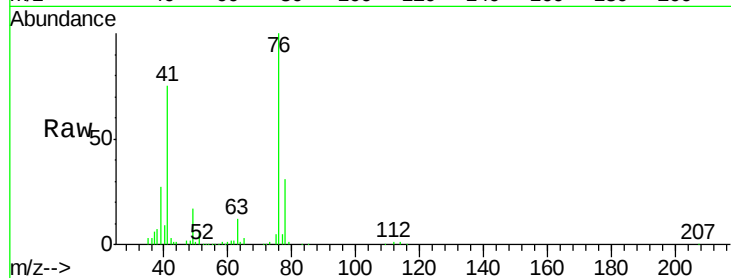
#57
 1,3-Dichloropropane
 Concen: 19.605 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.6

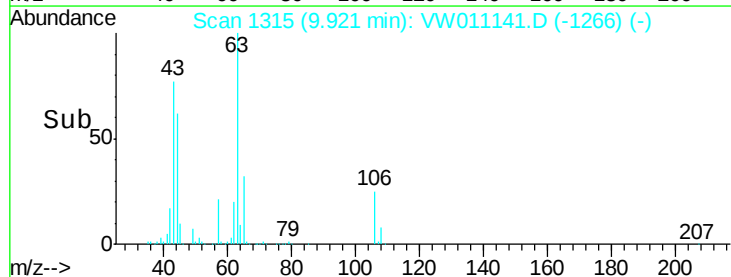
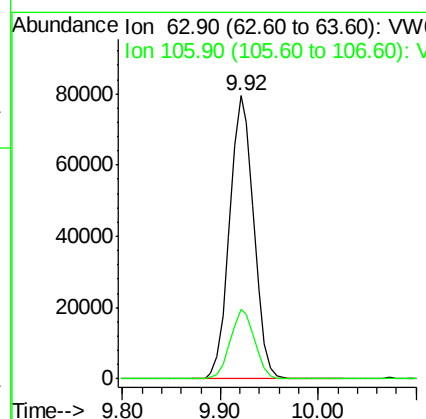
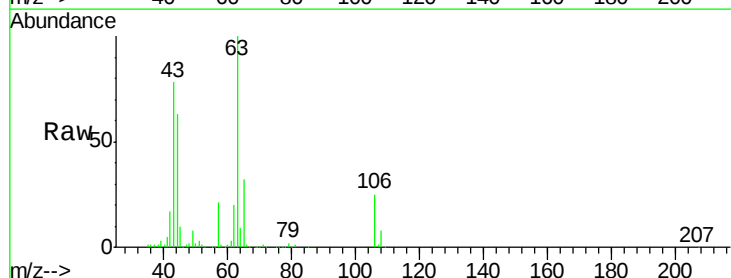
Manual Integrations
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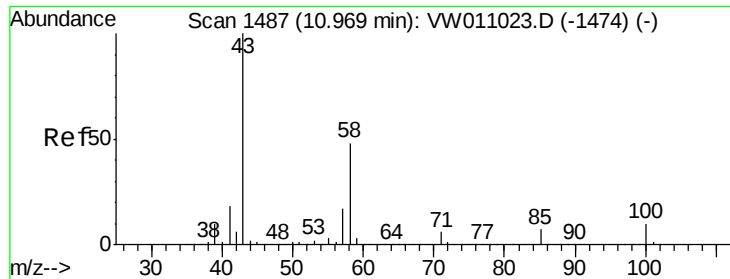
MMDadoda
 7/8/2019 9:41:39 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.316 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.6	19.4	29.0





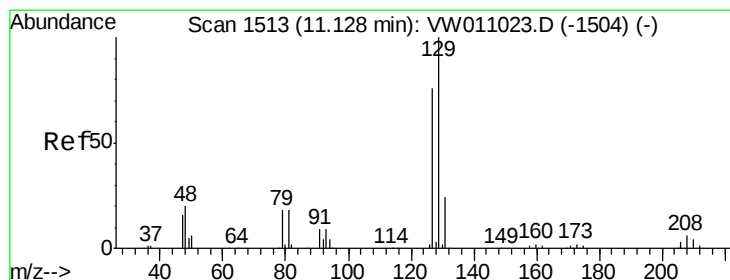
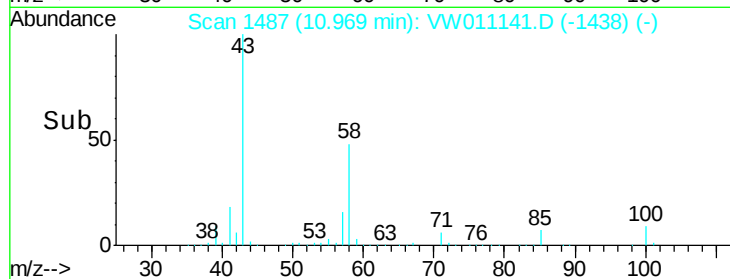
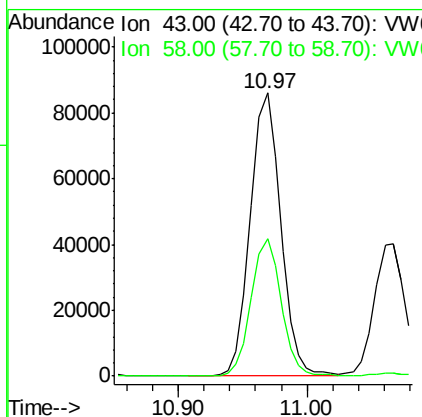
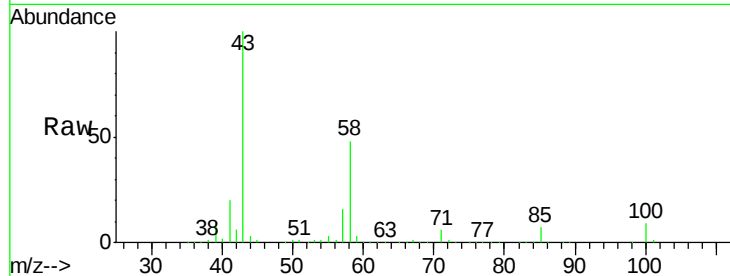
#59
2-Hexanone
Concen: 90.334 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion: 43 Resp: 140510
Ion Ratio Lower Upper
43 100
58 48.1 23.8 71.5

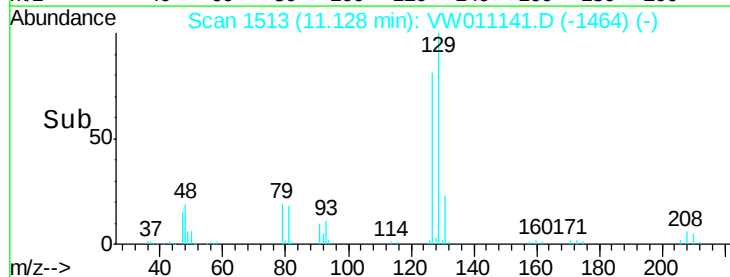
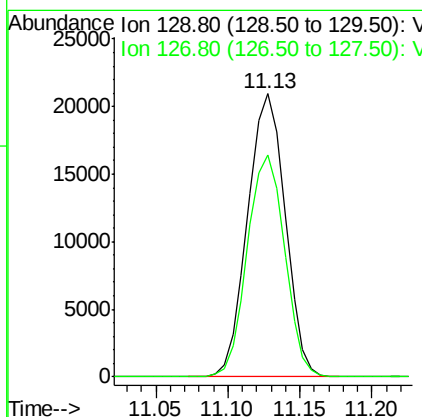
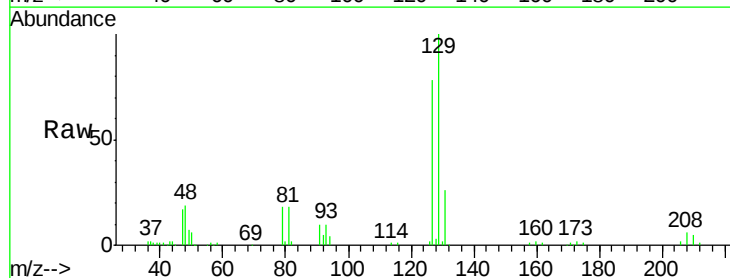
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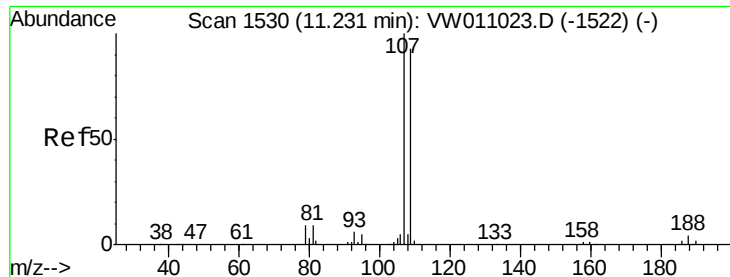
MMDadoda
7/8/2019 9:41:39 AM



#60
Dibromochloromethane
Concen: 19.046 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 129 Resp: 37950
Ion Ratio Lower Upper
129 100
127 77.6 39.4 118.1





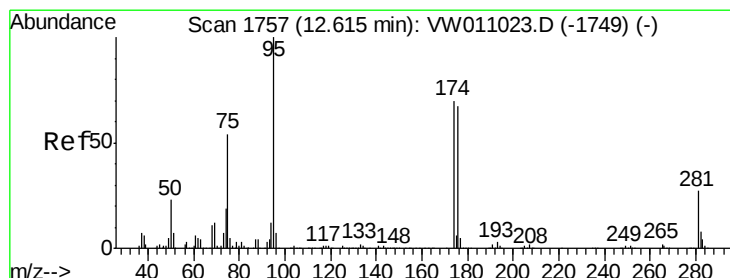
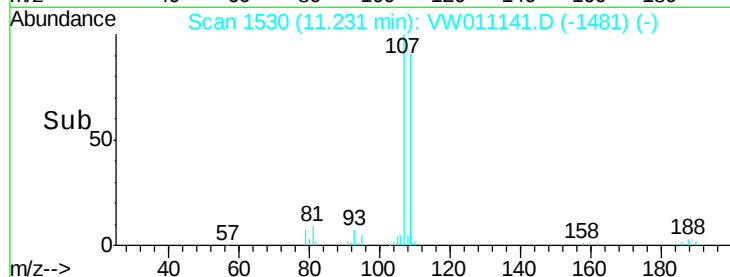
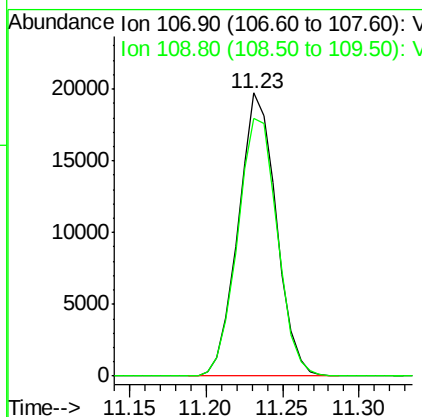
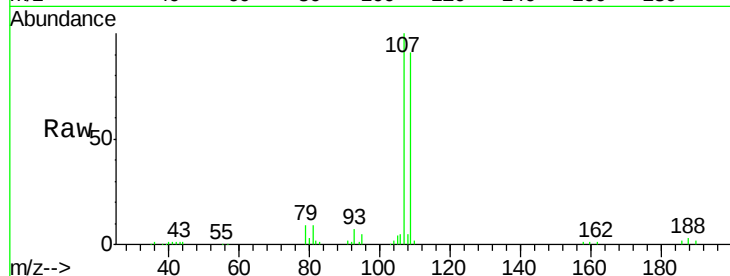
#61
 1,2-Dibromoethane
 Concen: 19.068 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.1	112.7

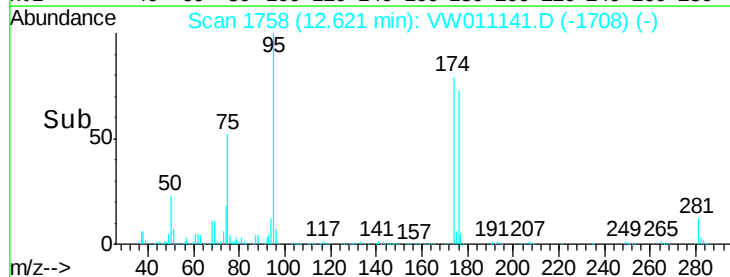
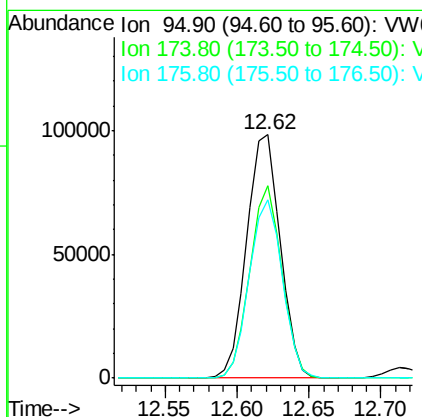
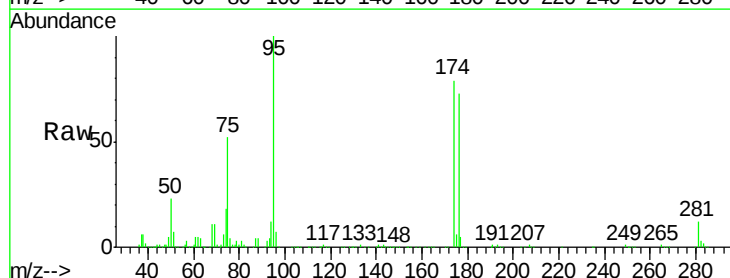
Manual Integrations
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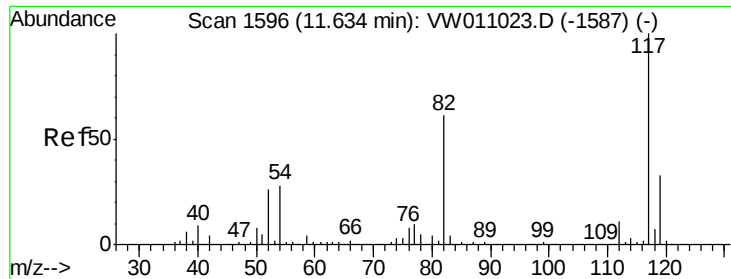
MMDadoda
 7/8/2019 9:41:39 AM



#62
 4-Bromofluorobenzene
 Concen: 48.098 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	149.2
176	72.0	0.0	143.6





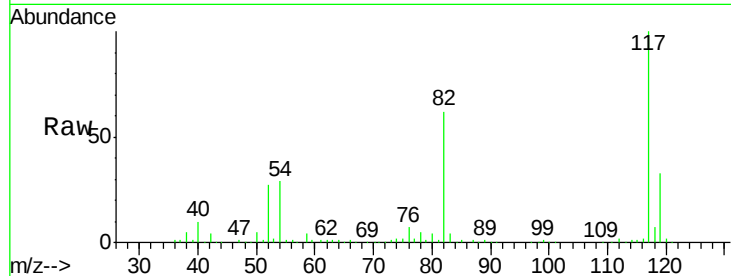
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.1	48.6	73.0
119	32.5	26.1	39.1

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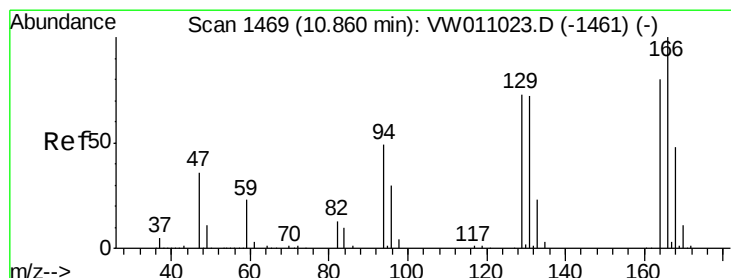
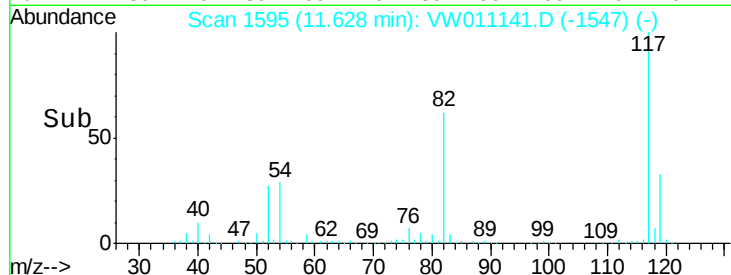
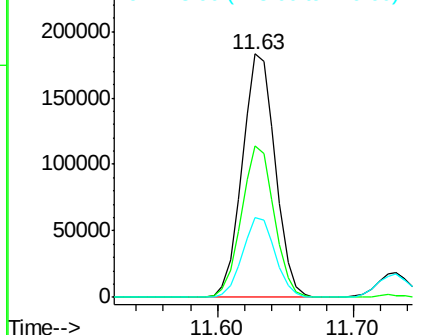


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.638 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	99.8	149.6
129	92.8	73.0	109.4
131	88.3	71.4	107.0

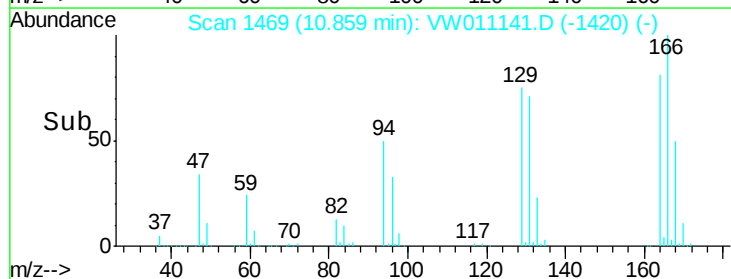
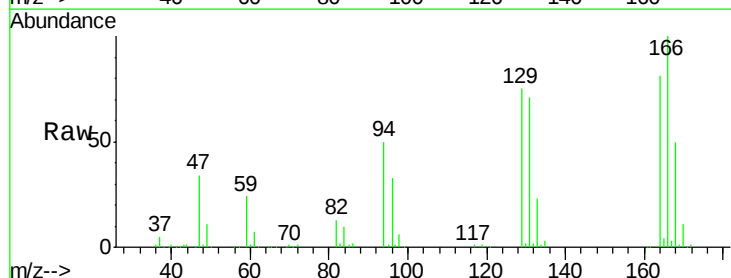
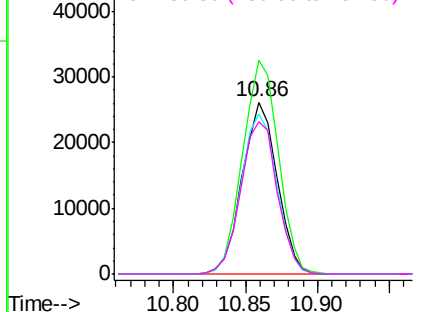
Abundance

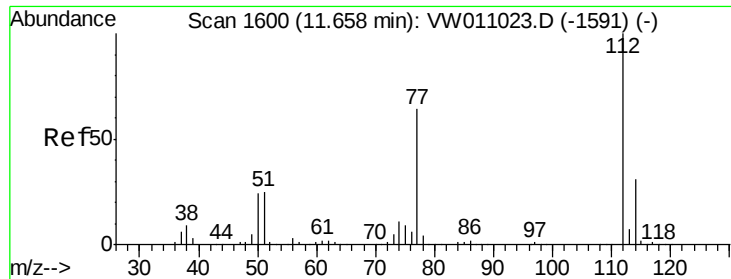
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.843 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion:112 Resp: 132227

Ion Ratio Lower Upper

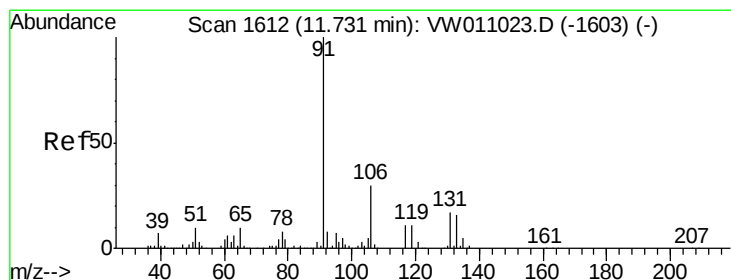
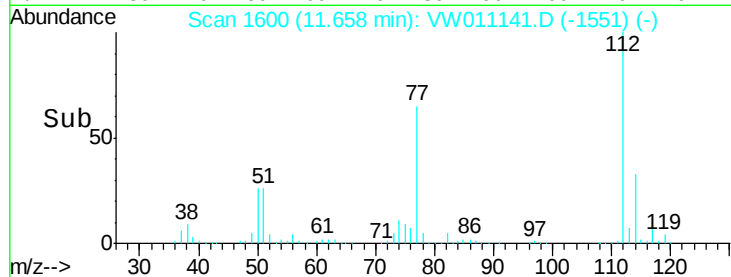
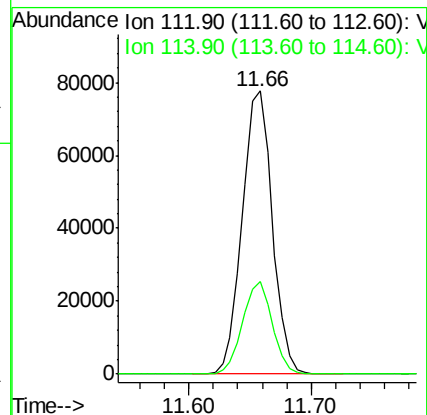
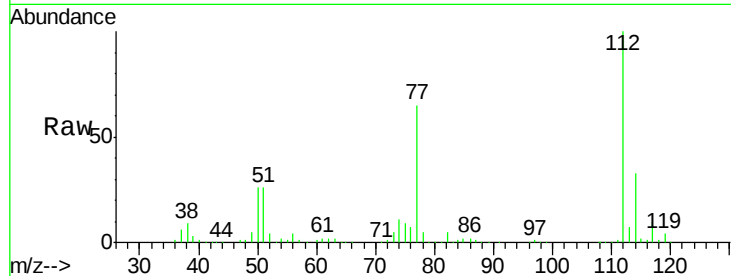
112 100

114 32.6 25.2 37.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.678 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

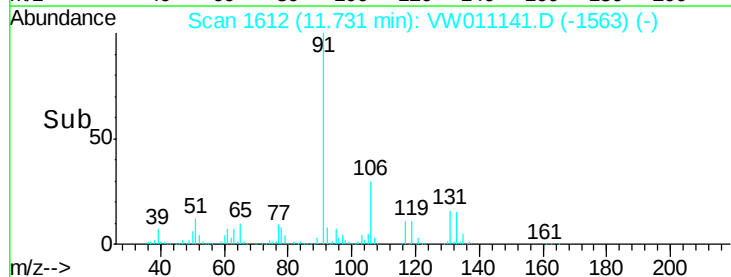
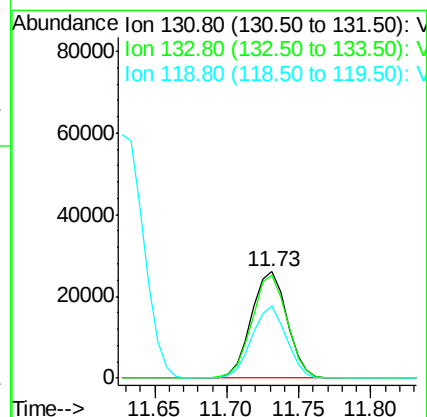
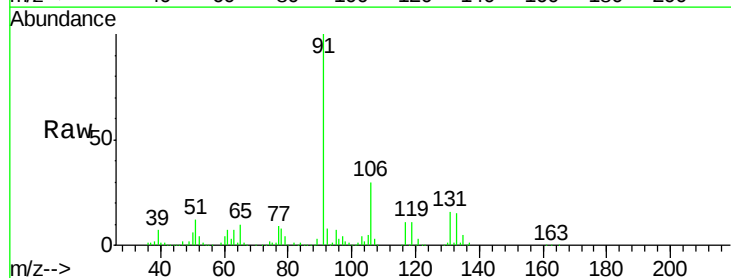
Tgt Ion:131 Resp: 44537

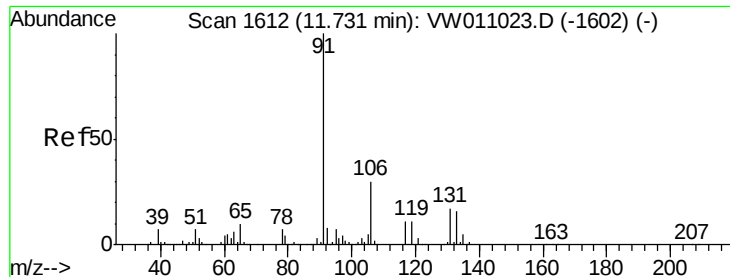
Ion Ratio Lower Upper

131 100

133 95.3 47.7 143.1

119 65.4 33.1 99.2





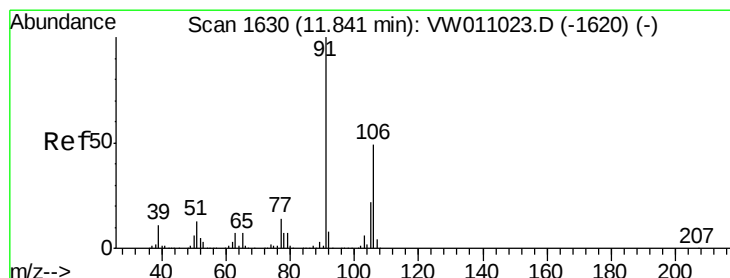
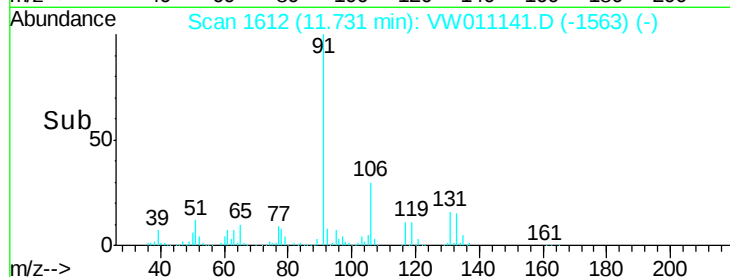
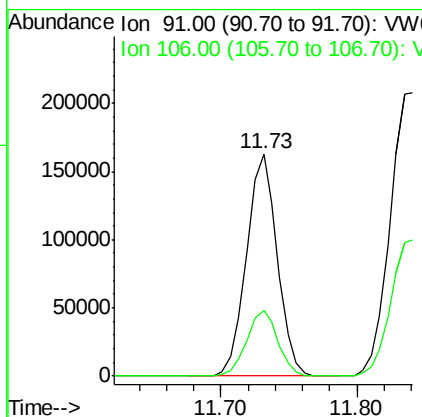
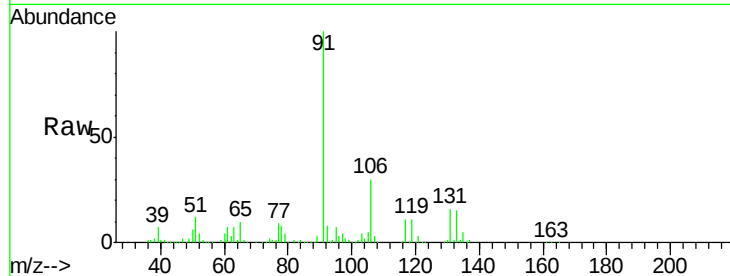
#67
Ethyl Benzene
Concen: 21.232 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion: 91 Resp: 257979
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

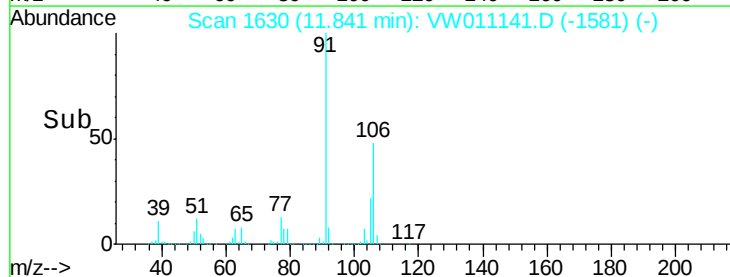
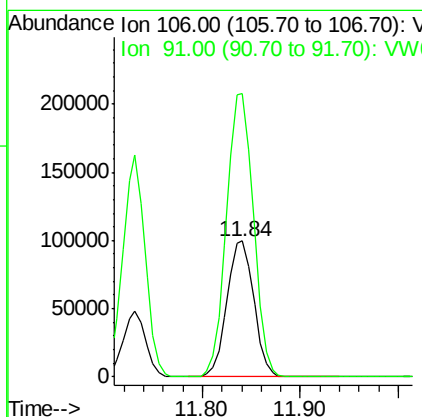
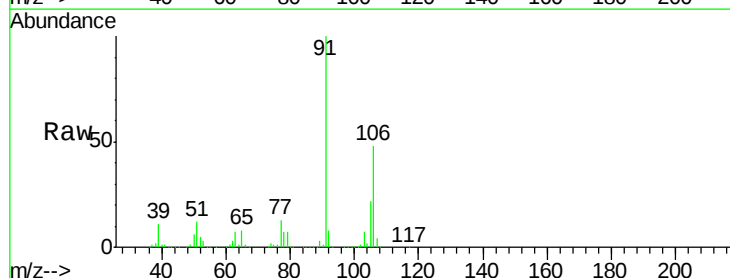
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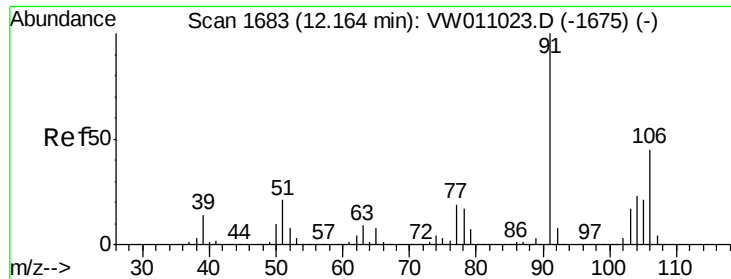
MMDadoda
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#68
m/p-Xylenes
Concen: 42.918 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 106 Resp: 189221
Ion Ratio Lower Upper
106 100
91 209.9 167.5 251.3





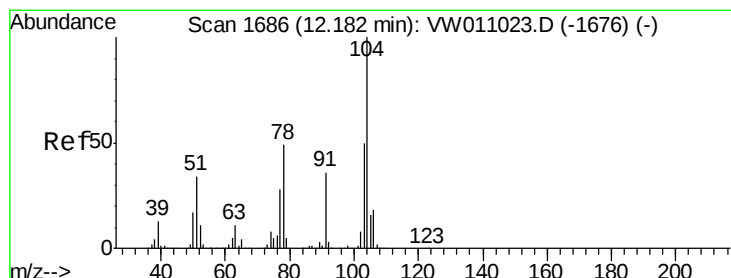
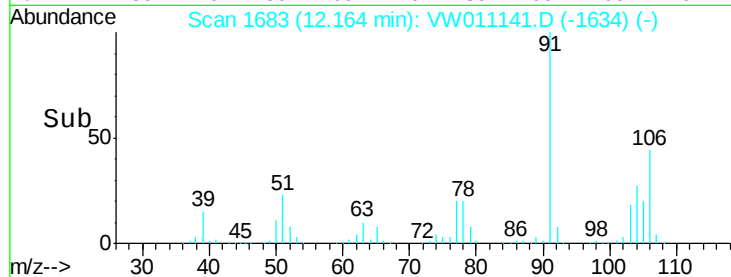
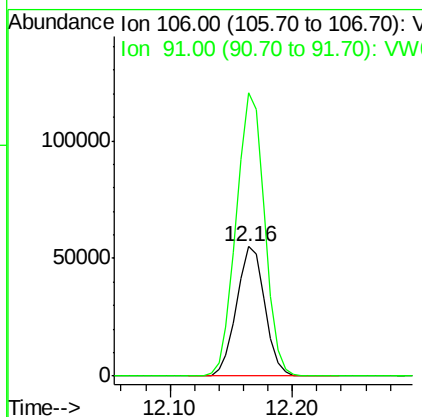
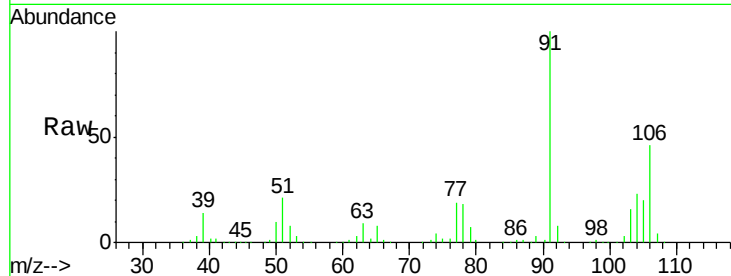
#69
o-Xylene
Concen: 21.357 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampled :
VW0704SBS01

Tot Ion:106 Resp: 87705
Ion Ratio Lower Upper
106 100
91 219.5 110.8 332.3

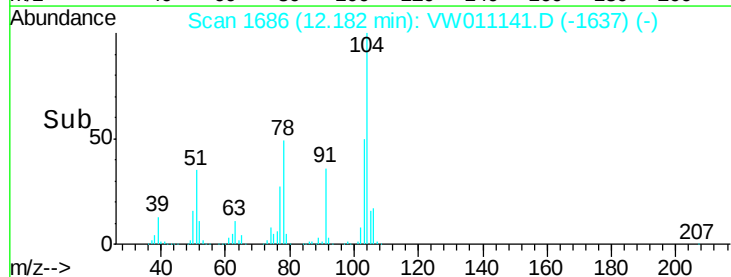
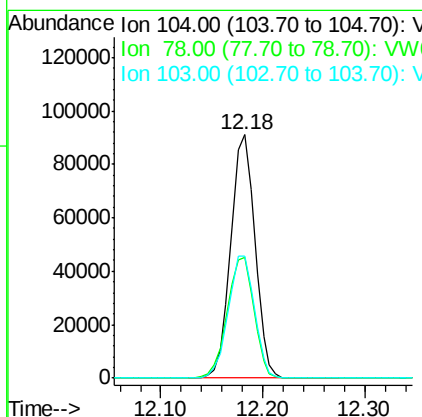
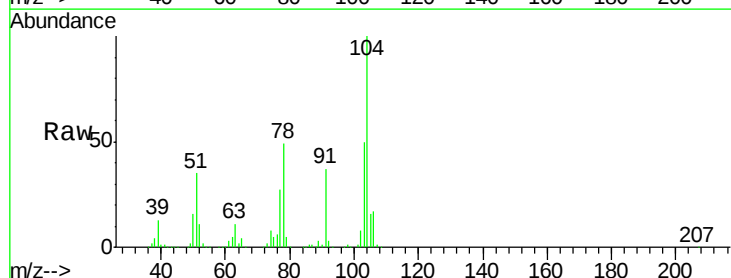
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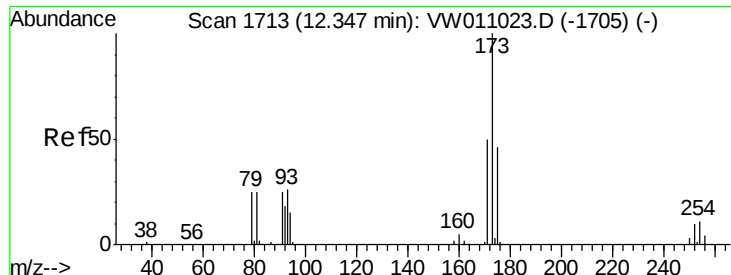
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#70
Styrene
Concen: 20.933 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion:104 Resp: 149382
Ion Ratio Lower Upper
104 100
78 54.8 43.7 65.5
103 54.7 43.9 65.9





#71

Bromoform

Concen: 18.885 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion:173 Resp: 19830

Ion Ratio Lower Upper

173 100

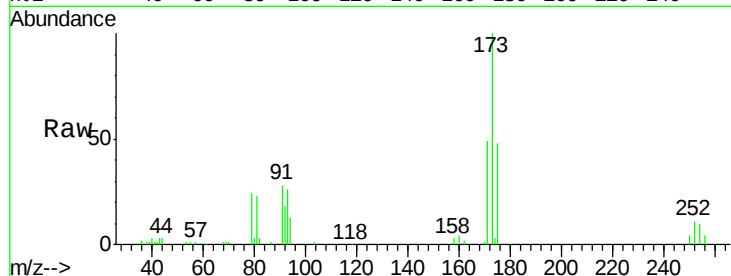
175 49.7 24.1 72.2

254 0.0 0.0 0.0

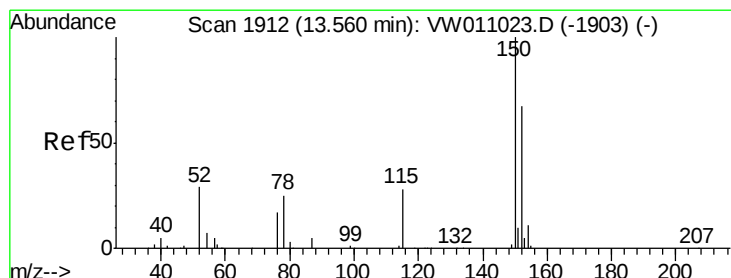
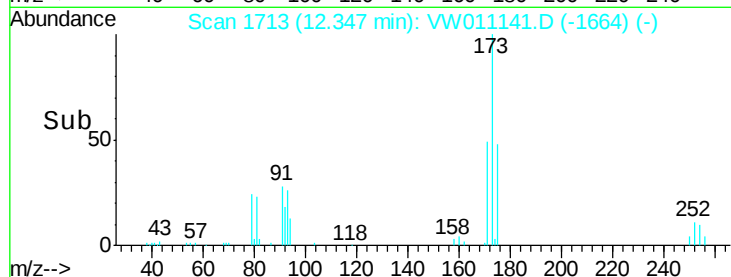
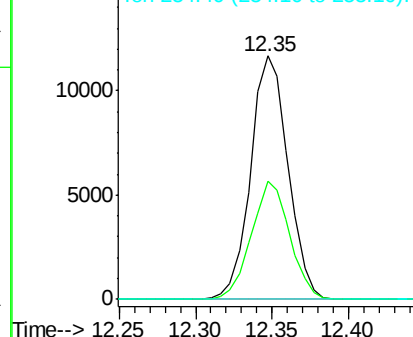
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

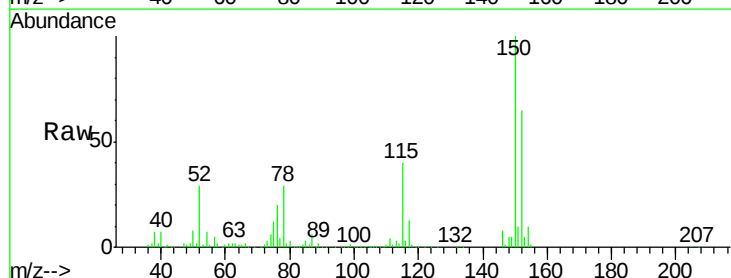
Tgt Ion:152 Resp: 154095

Ion Ratio Lower Upper

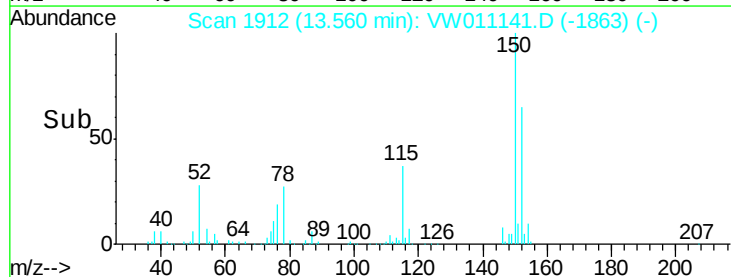
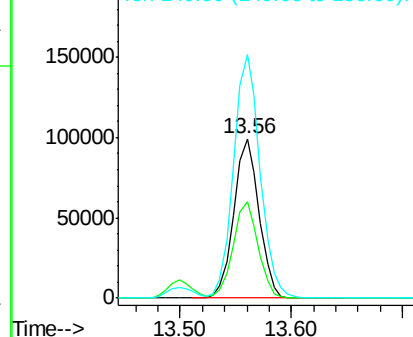
152 100

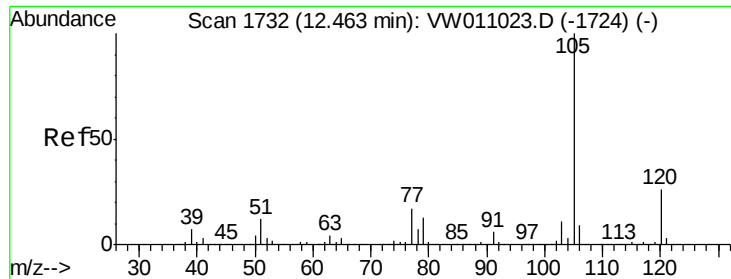
115 60.1 30.7 92.1

150 161.8 0.0 341.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





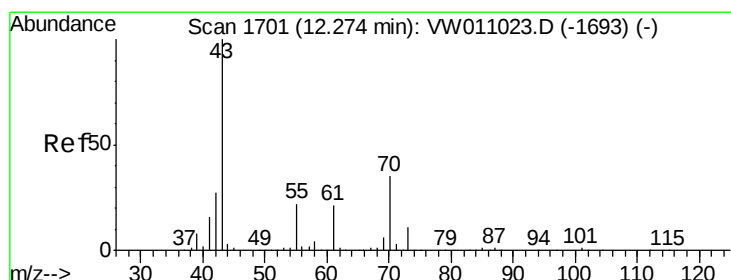
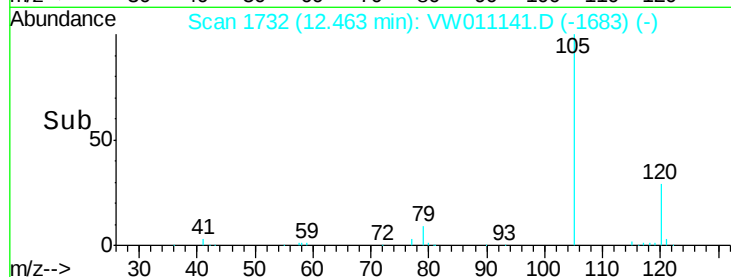
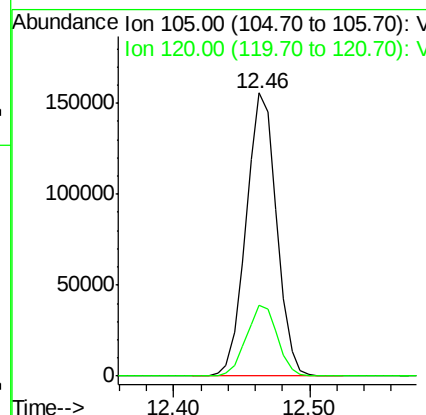
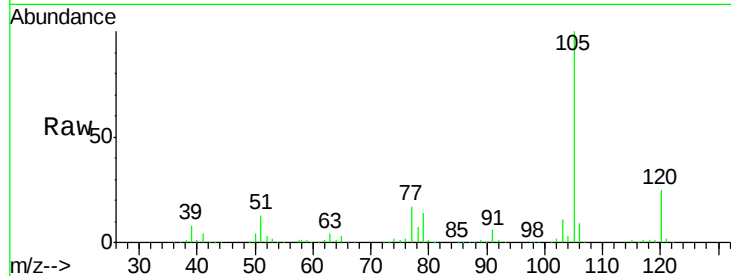
#73
Isopropylbenzene
Concen: 21.149 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion: 105 Resp: 244145
Ion Ratio Lower Upper
105 100
120 25.3 12.9 38.6

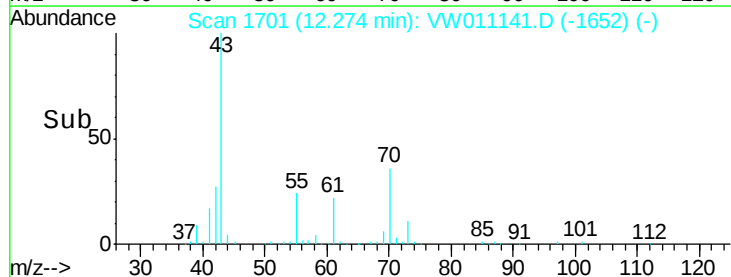
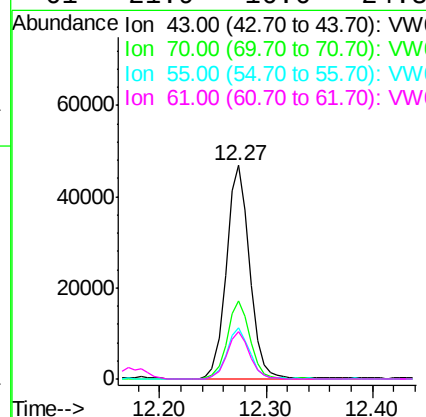
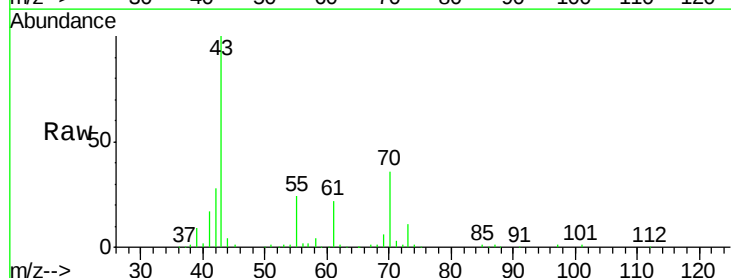
Manual Integrations
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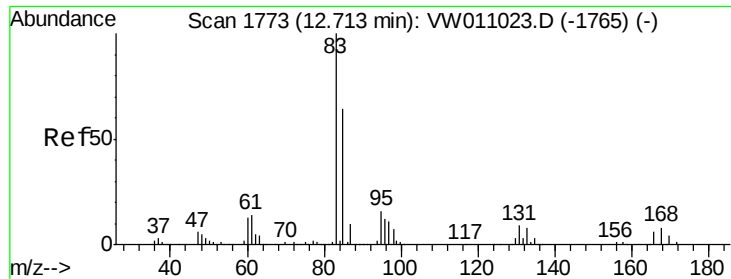
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#74
N-ethyl acetate
Concen: 18.486 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 43 Resp: 71669
Ion Ratio Lower Upper
43 100
70 36.0 28.2 42.4
55 23.5 17.8 26.8
61 21.9 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.214 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

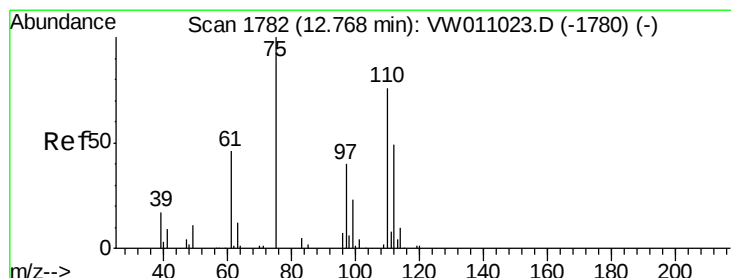
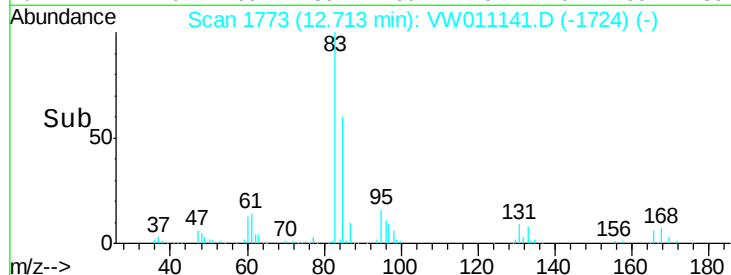
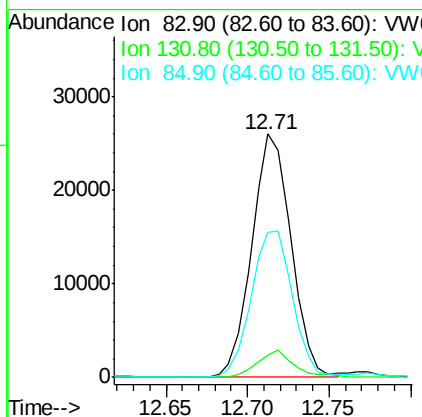
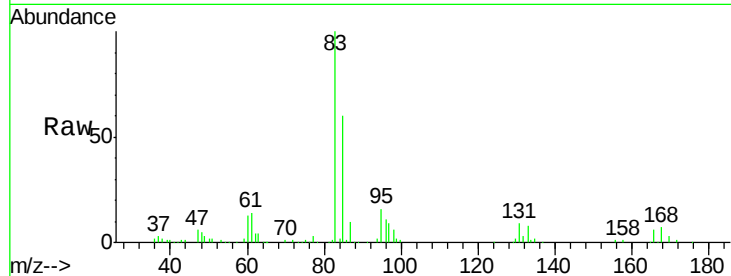
ClientSampleId :

VW0704SBS01

Tot Ion:	83	Resp:	43557
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	14.9
85	63.1	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.496 ug/l m

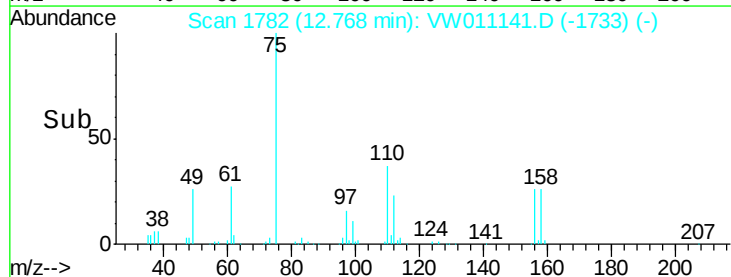
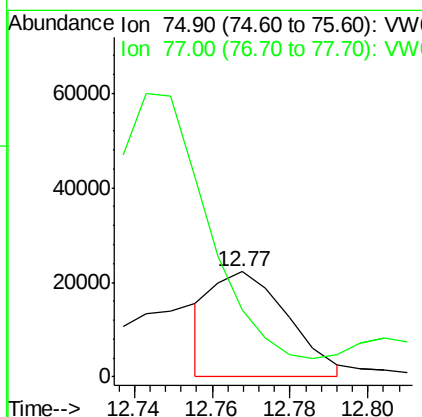
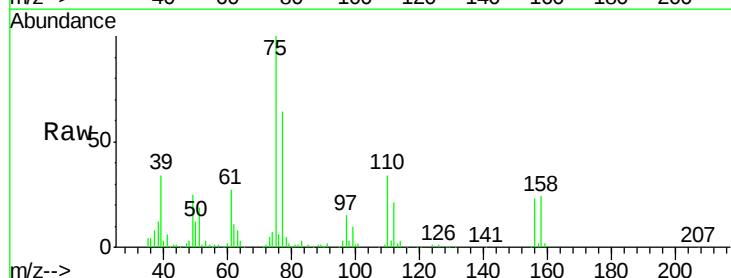
RT: 12.77 min Scan# 1782

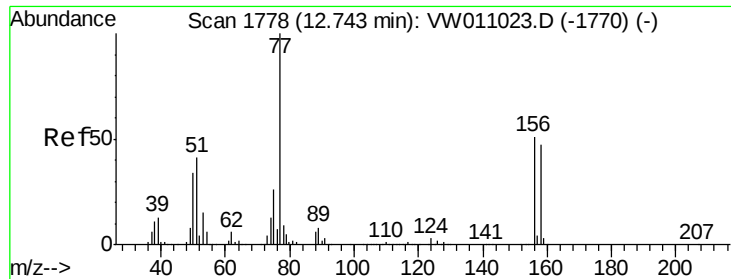
Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion:	75	Resp:	30090
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.303 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

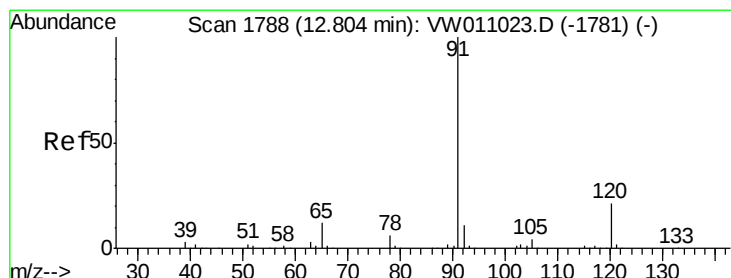
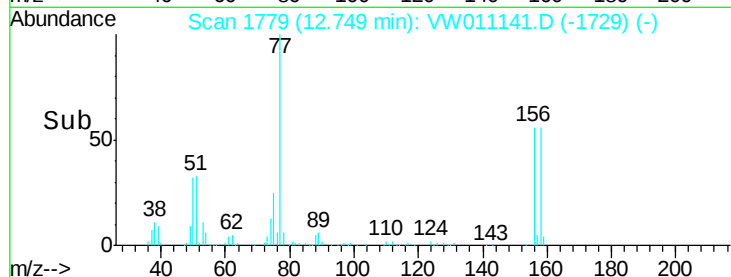
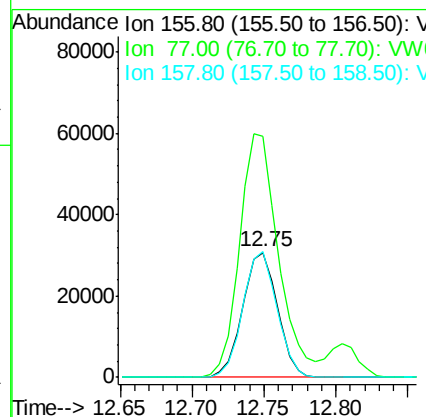
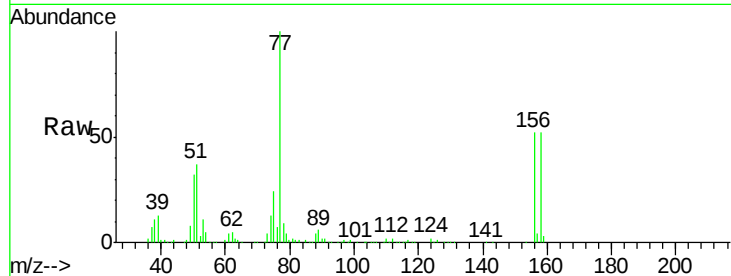
ClientSampleId :

VW0704SBS01

Tot Ion:	156	Resp:	51516
Ion Ratio	Lower	Upper	
156	100		
77	217.7	109.5	328.5
158	98.3	48.6	145.9

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#78

n-propylbenzene

Concen: 21.305 ug/l

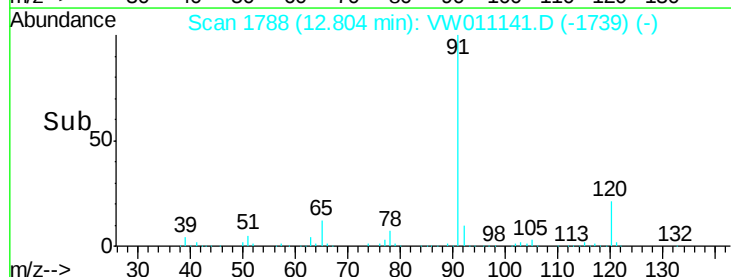
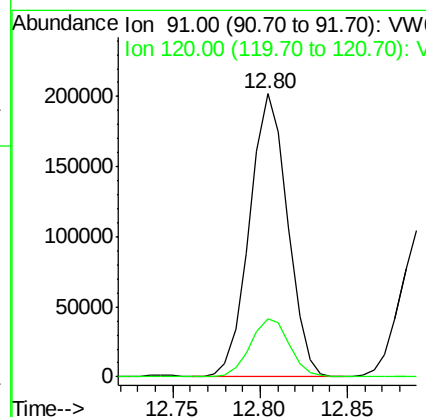
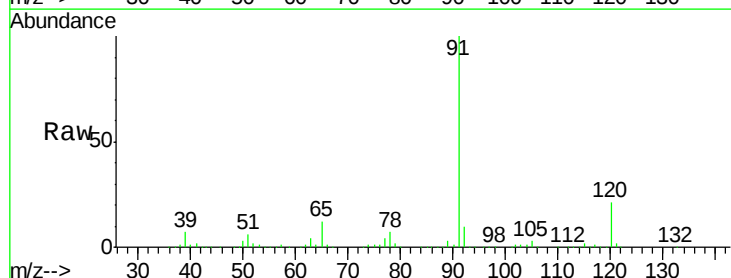
RT: 12.80 min Scan# 1788

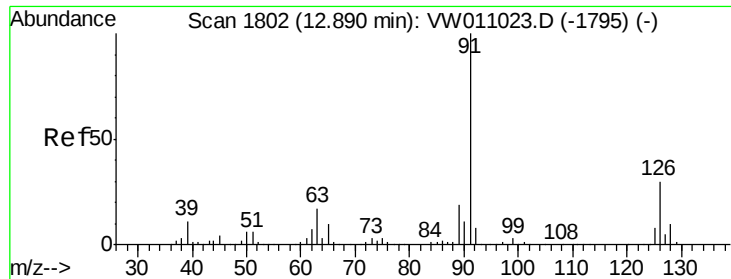
Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Tgt Ion:	91	Resp:	304558
Ion Ratio	Lower	Upper	
91	100		
120	21.1	10.5	31.6





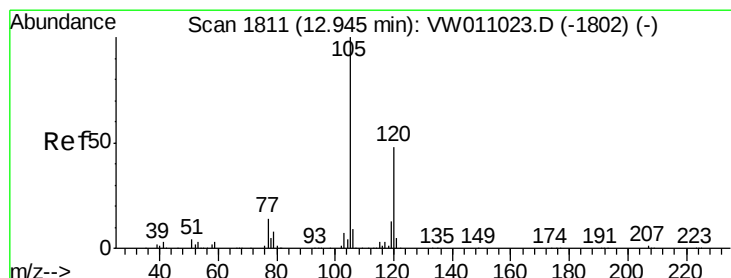
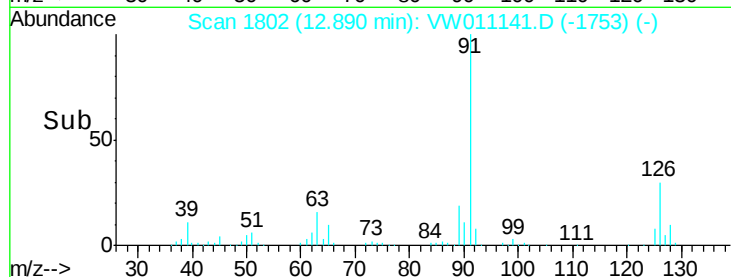
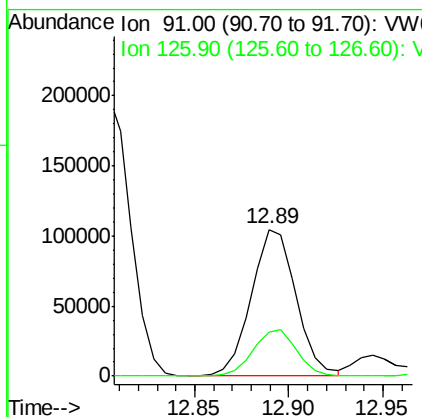
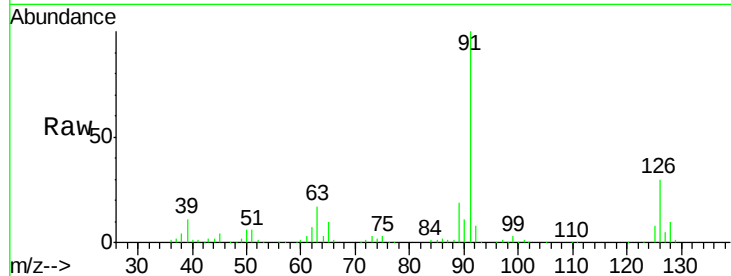
#79
2-Chlorotoluene
Concen: 21.005 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion: 91 Resp: 171547
Ion Ratio Lower Upper
91 100
126 31.1 15.4 46.4

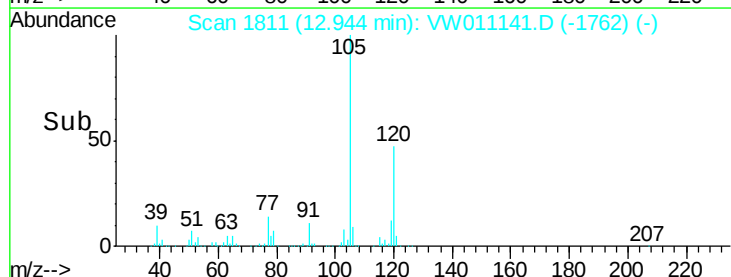
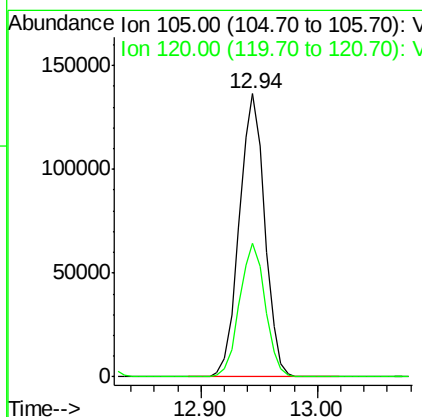
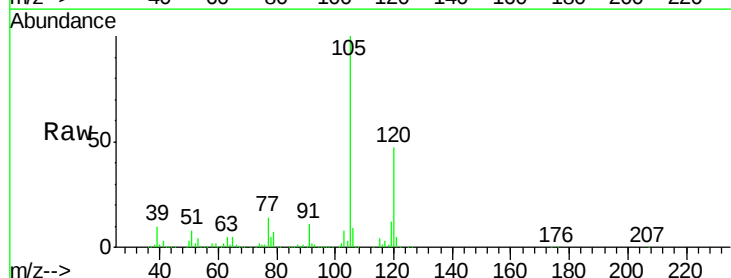
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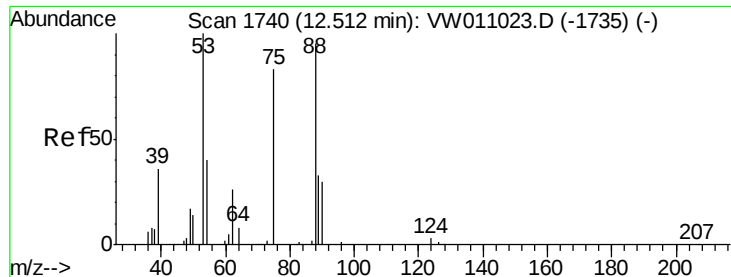
MMDadoda
7/8/2019 9:41:39 AM



#80
1,3,5-Trimethylbenzene
Concen: 21.289 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion: 105 Resp: 208296
Ion Ratio Lower Upper
105 100
120 47.7 23.8 71.5





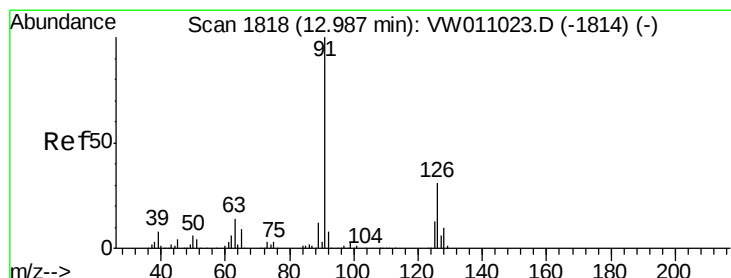
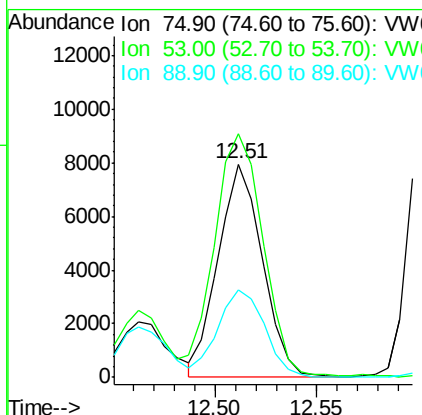
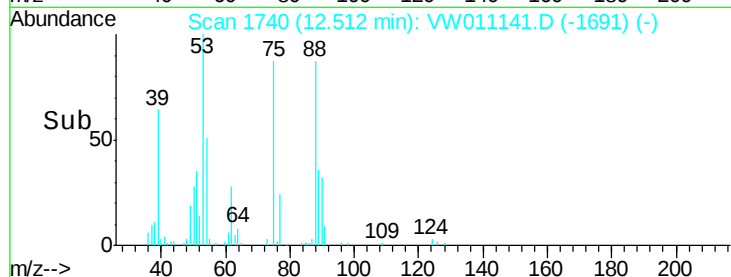
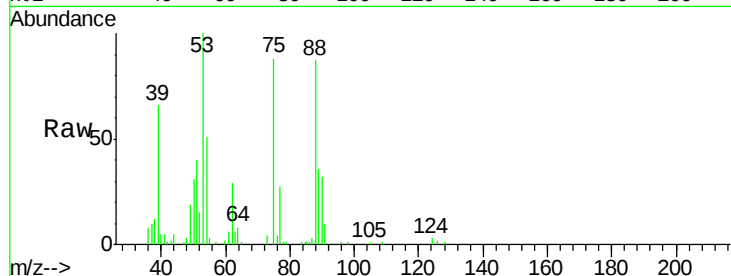
#81
trans-1,4-Dichloro-2-butene
Concen: 18.517 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	124.6	95.6	143.4
89	43.4	34.4	51.6

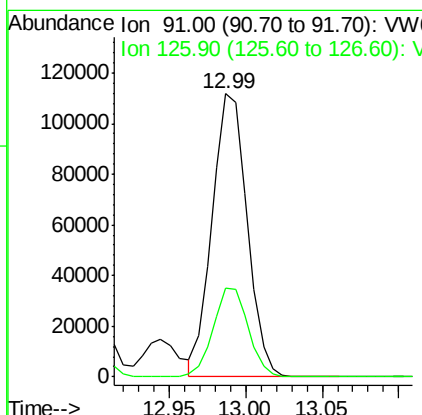
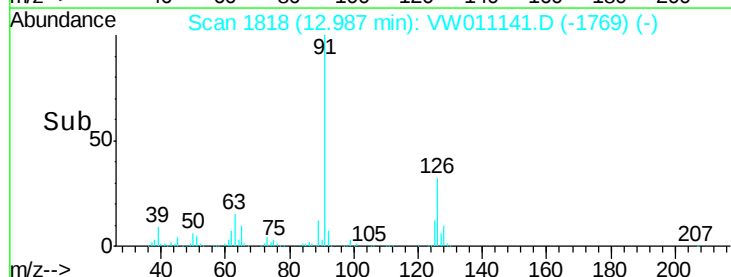
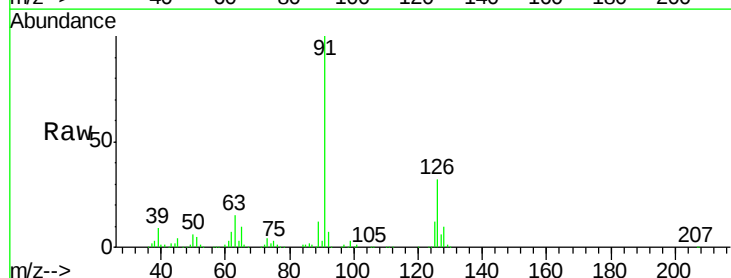
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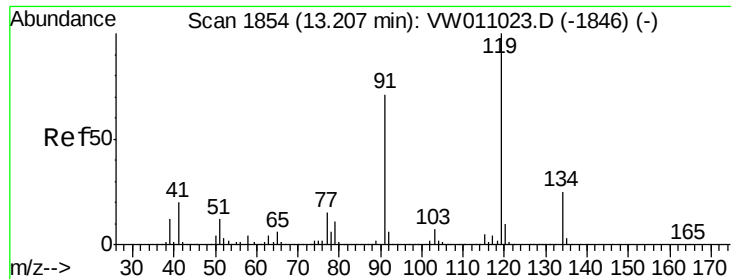
MMDadoda
7/8/2019 9:41:39 AM



#82
4-Chlorotoluene
Concen: 20.874 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1





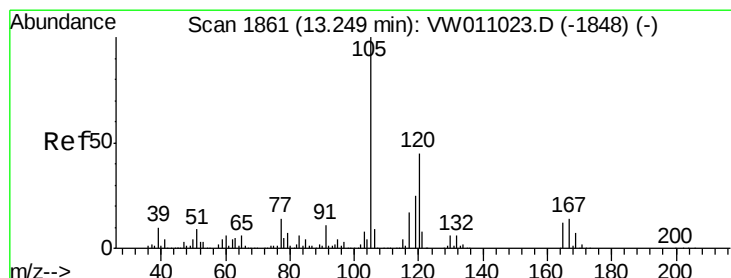
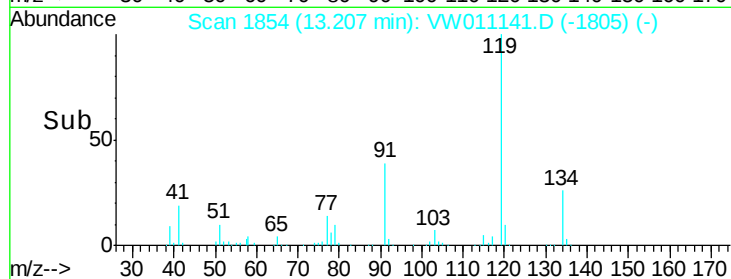
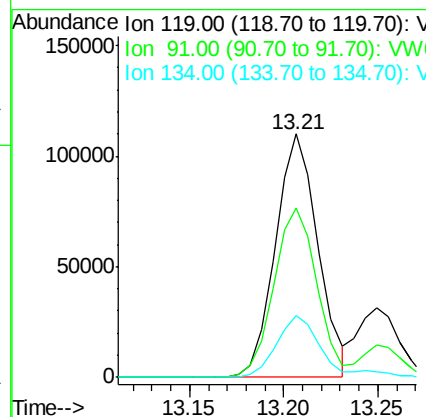
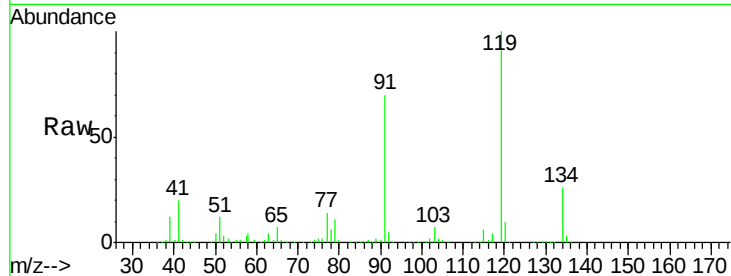
#83
tert-Butylbenzene
Concen: 21.044 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	171700		
91	71.4	35.5	106.5	
134	27.6	12.4	37.2	

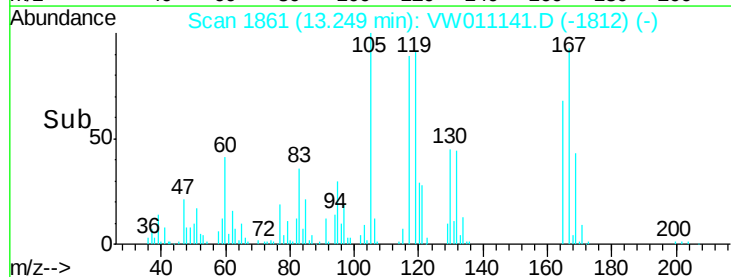
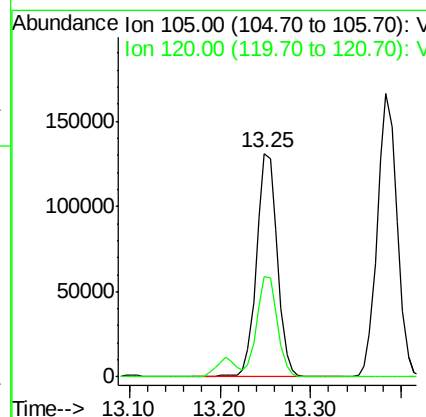
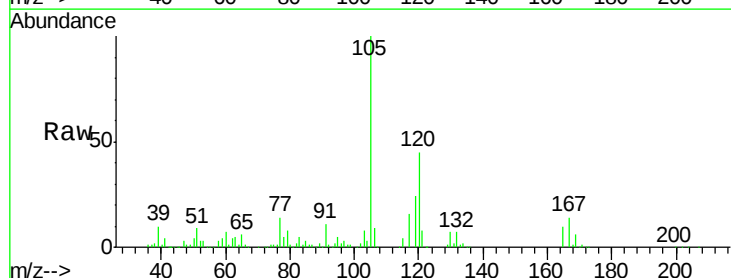
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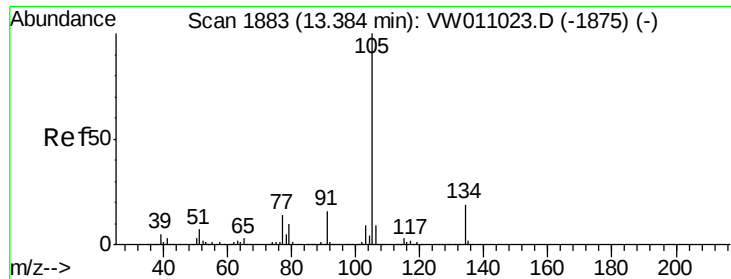
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#84
1,2,4-Trimethylbenzene
Concen: 21.005 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207732		
120	44.1	22.4	67.2	





#85

sec-Butylbenzene

Concen: 21.166 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

Instrument :

MSVOA_W

ClientSampleId :

VW0704SBS01

Tot Ion:105 Resp: 250872

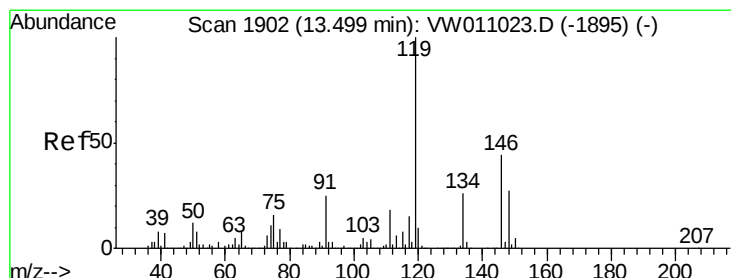
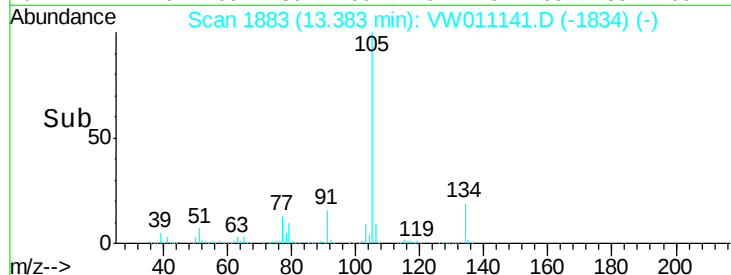
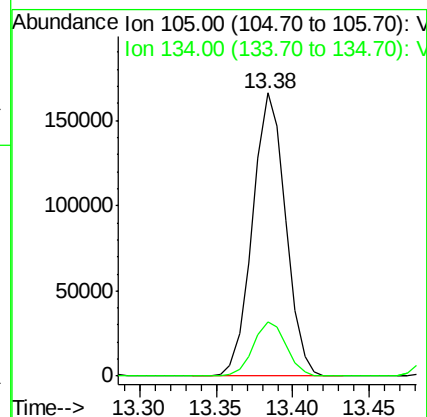
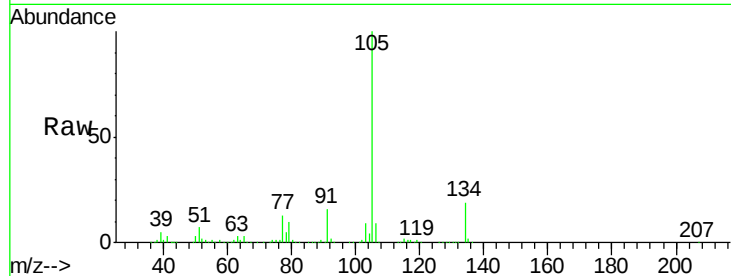
Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.950 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011141.D

Acq: 03 Jul 2019 15:51

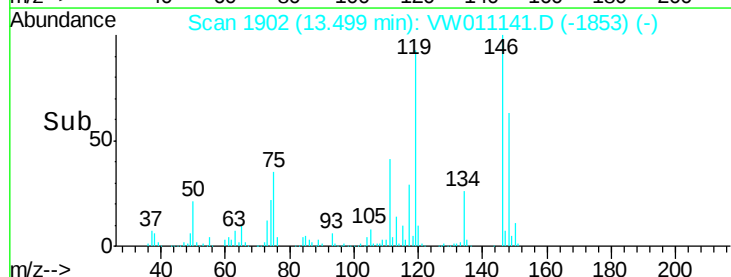
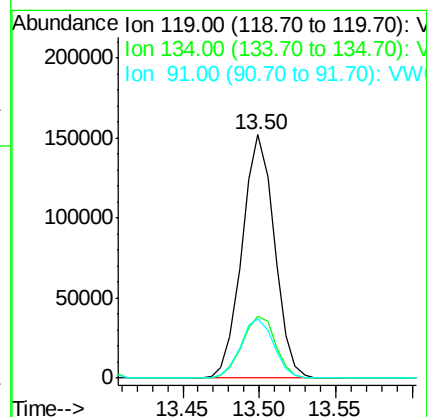
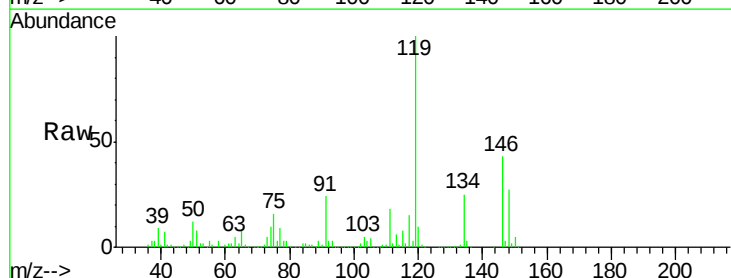
Tgt Ion:119 Resp: 223459

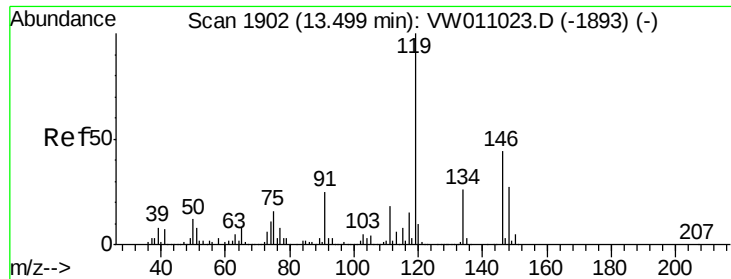
Ion Ratio Lower Upper

119 100

134 26.2 12.9 38.7

91 25.2 12.3 36.9





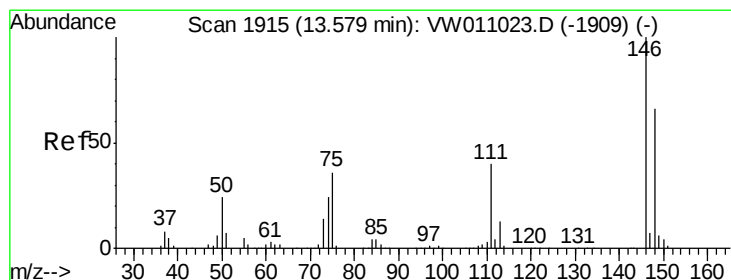
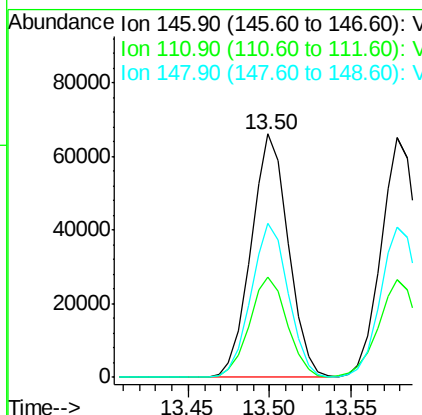
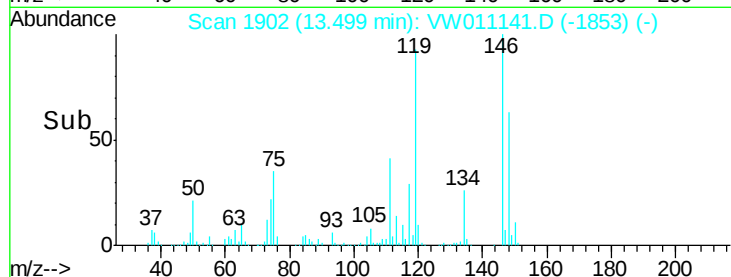
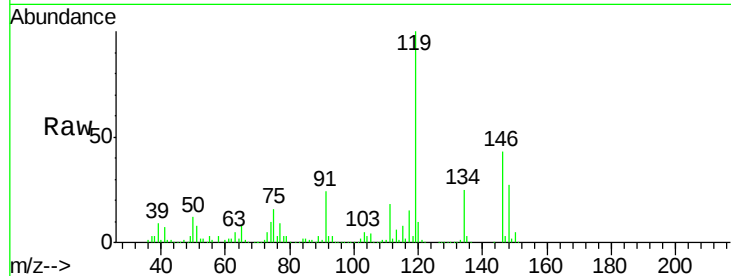
#87
 1,3-Dichlorobenzene
 Concen: 20.799 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	104393		
111	41.8	20.9	62.8	
148	63.1	31.8	95.4	

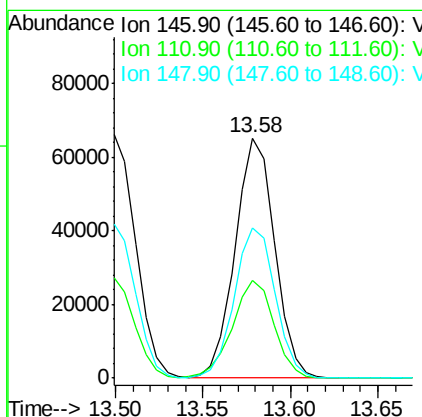
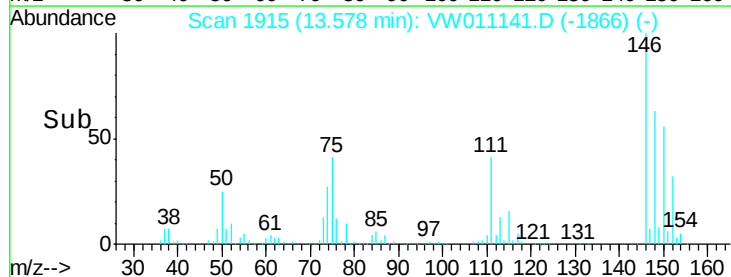
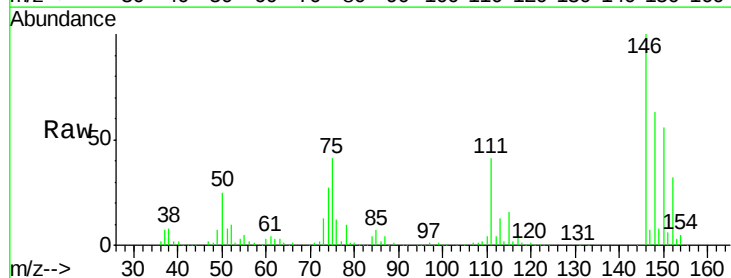
Manual Integrations
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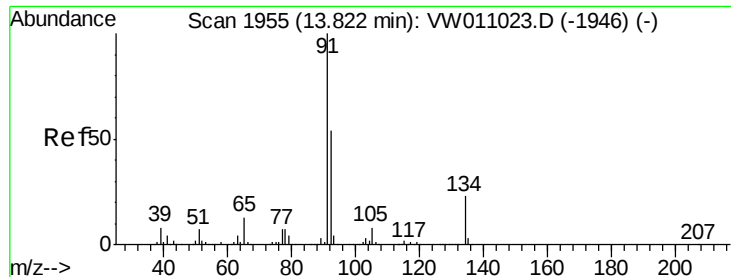
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#88
 1,4-Dichlorobenzene
 Concen: 20.503 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102727		
111	43.0	20.6	61.9	
148	64.7	32.4	97.2	





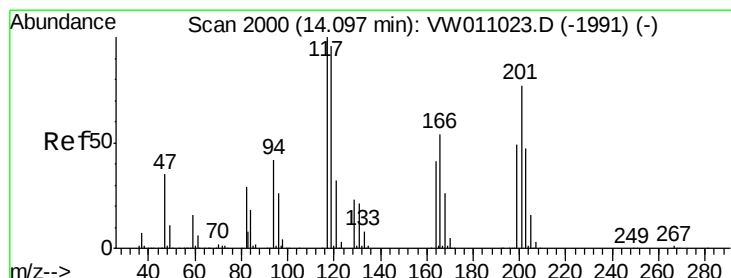
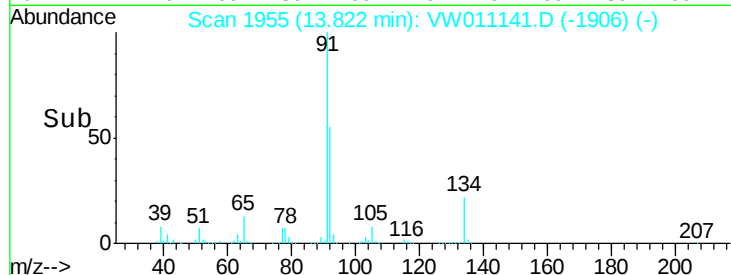
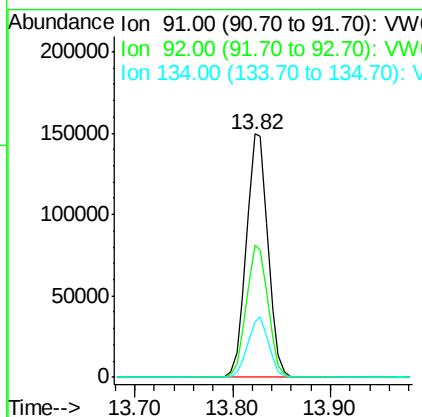
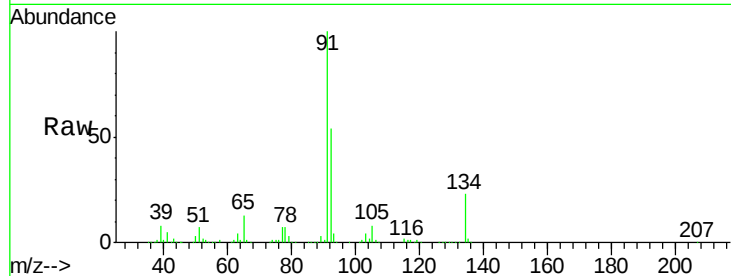
#89
n-Butylbenzene
Concen: 21.071 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.1	81.2
134	24.0	12.0	36.1

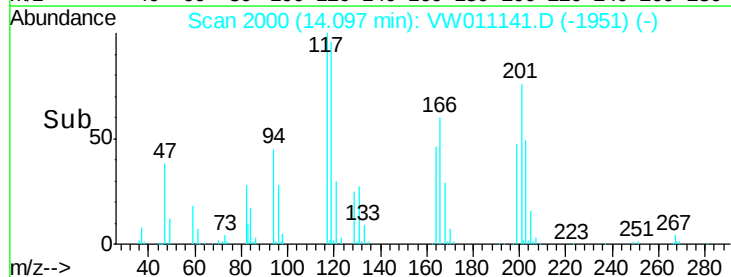
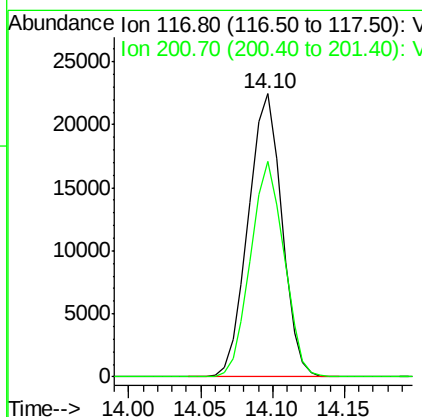
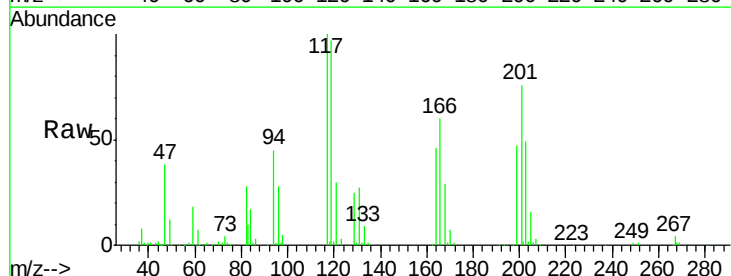
Manual Integrations
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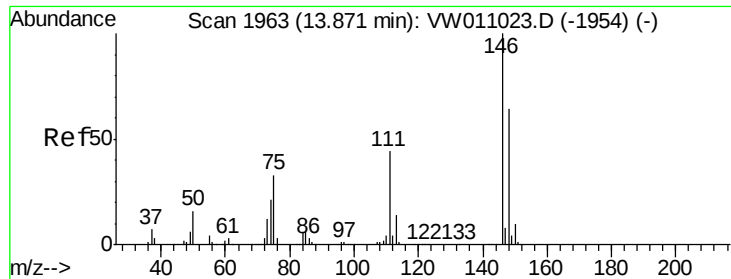
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#90
Hexachloroethane
Concen: 19.908 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	38.0	114.0





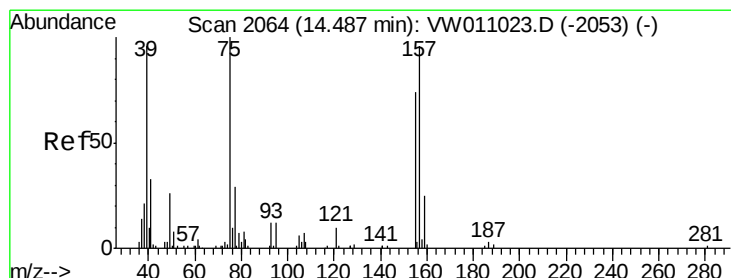
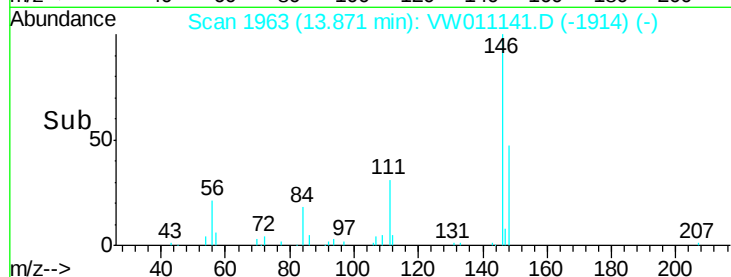
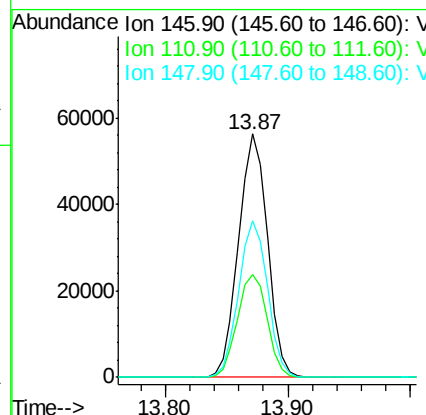
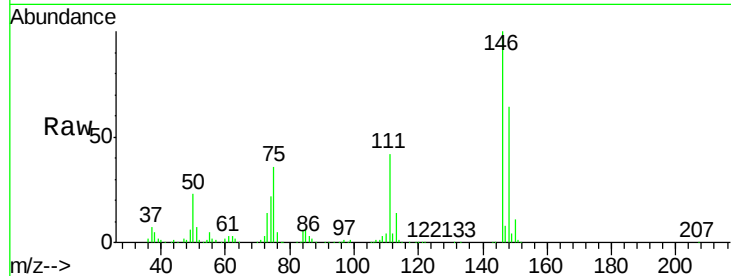
#91
 1,2-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.4	64.3
148	64.5	31.8	95.3

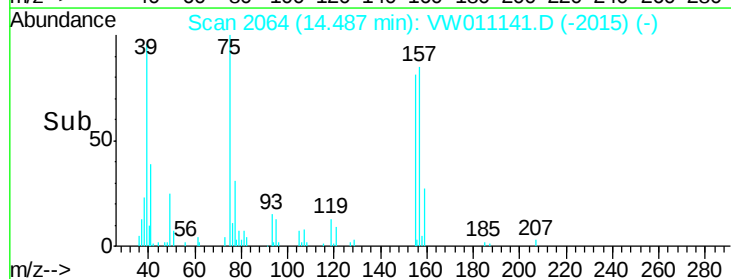
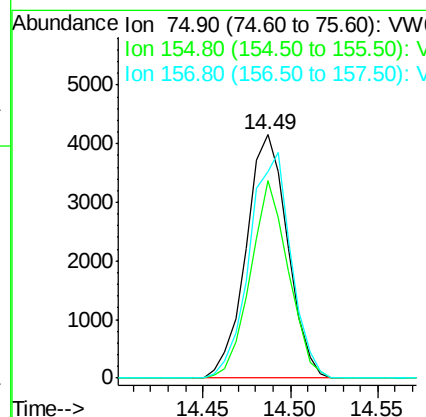
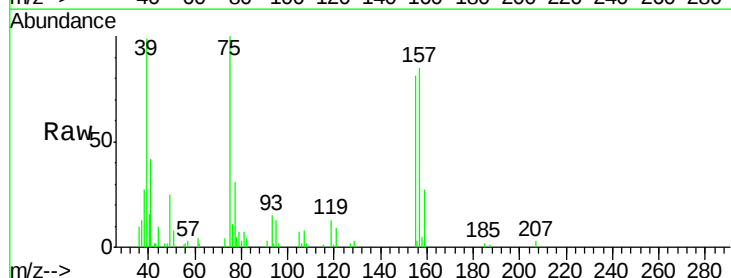
Manual Integrations
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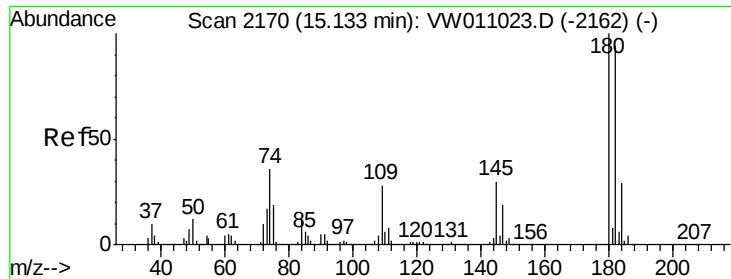
MMDadoda
 7/8/2019 9:41:39 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.923 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.1	37.0	110.9
157	92.6	45.9	137.7





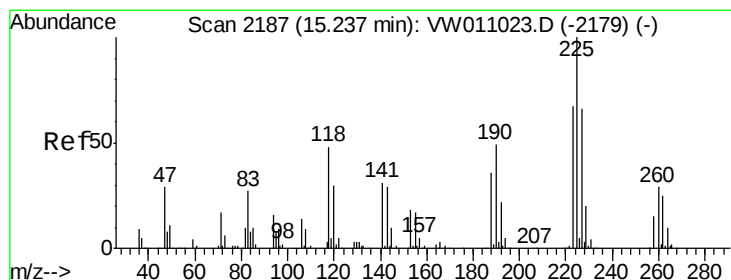
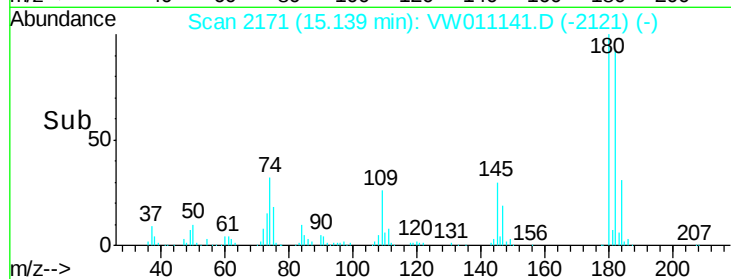
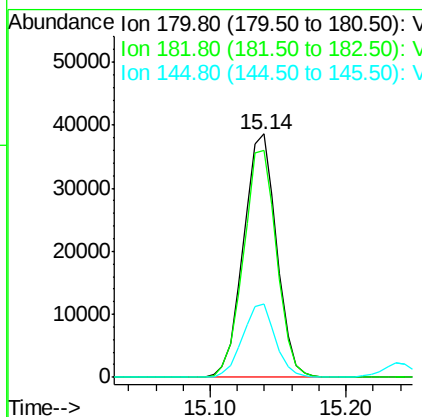
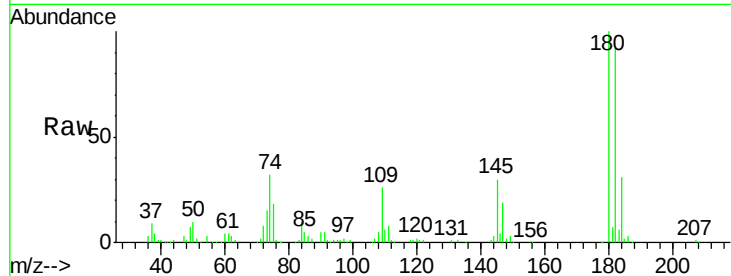
#93
 1,2,4-Trichlorobenzene
 Concen: 20.703 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0704SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65665		
182	93.8	47.4	142.2	
145	29.6	15.3	45.8	

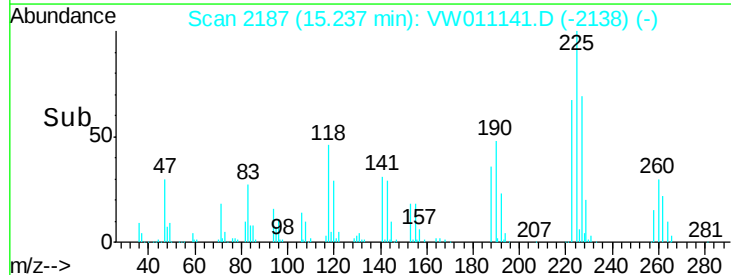
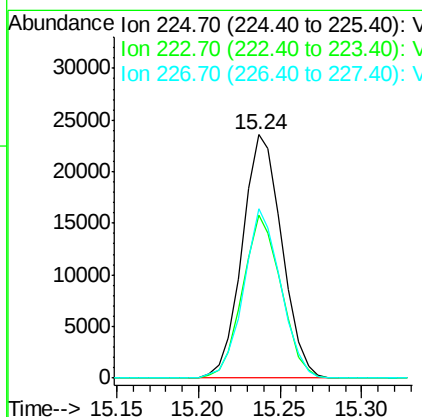
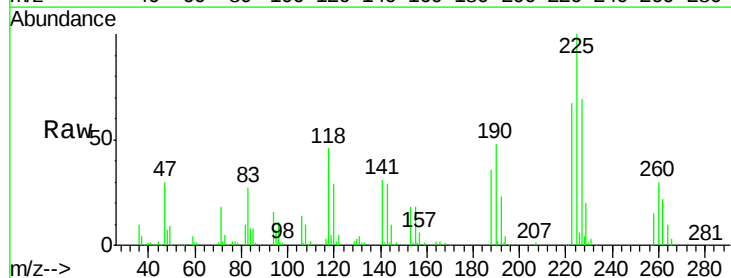
Manual Integrations
 APPROVED

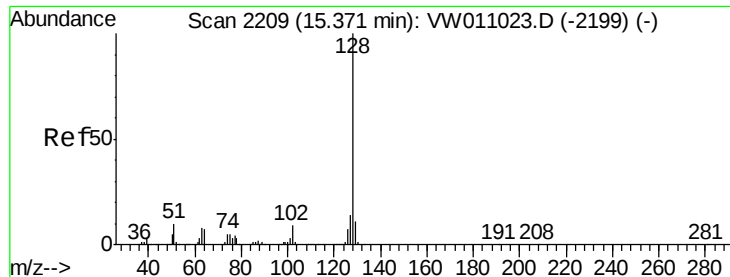
MMDadoda
 7/8/2019 9:41:39 AM



#94
 Hexachlorobutadiene
 Concen: 20.644 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011141.D
 Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39714		
223	64.9	31.9	95.9	
227	65.4	31.9	95.9	





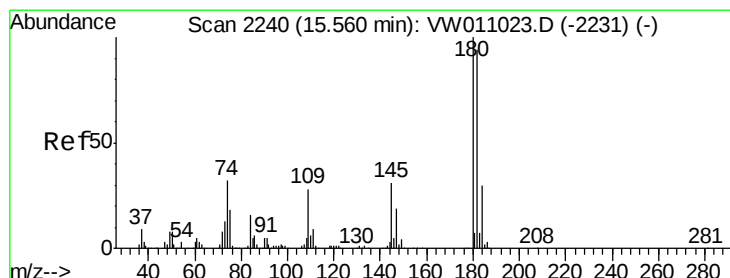
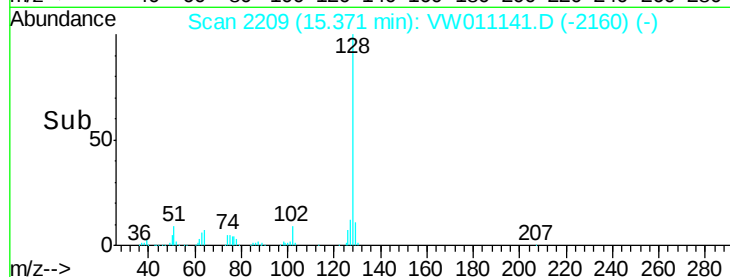
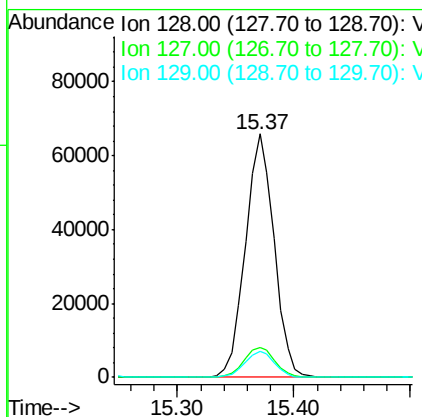
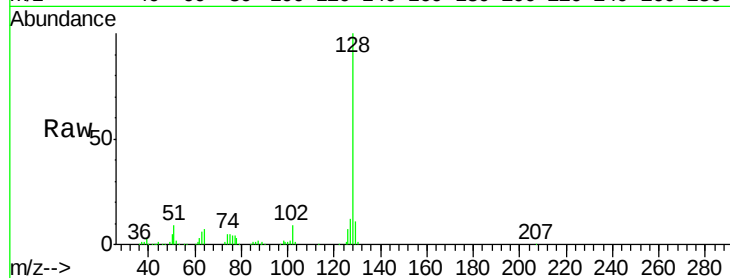
#95
Naphthalene
Concen: 19.055 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Instrument :
MSVOA_W
ClientSampleId :
VW0704SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.7	16.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/8/2019 9:41:39 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.907 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011141.D
Acq: 03 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	32.1	16.1	48.2

