

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011077.D
 Acq On : 01 Jul 2019 11:47
 Operator : SY/VA
 Sample : VW0701SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 3:52:40 PM

Quant Time: Jul 02 08:47:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	346072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306949	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	151393	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144120	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	7.88	113	111418	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.32	98	463100	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.62	95	168189	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	40396	25.063	ug/l	97
3) Chloromethane	2.21	50	48565	22.477	ug/l	98
4) Vinyl Chloride	2.35	62	64485	22.921	ug/l	99
5) Bromomethane	2.77	94	29965	21.398	ug/l	100
6) Chloroethane	2.92	64	32484	21.901	ug/l	97
7) Trichlorofluoromethane	3.24	101	20415	24.694	ug/l	95
8) Diethyl Ether	3.68	74	27875	21.290	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	52283	22.486	ug/l	99
10) Methyl Iodide	4.28	142	70745	21.747	ug/l	99
11) Tert butyl alcohol	5.17	59	20313	100.065	ug/l	100
12) 1,1-Dichloroethene	4.04	96	52531	21.705	ug/l	94
13) Acrolein	3.89	56	18139	114.587	ug/l	99
14) Allyl chloride	4.66	41	90624	23.265	ug/l	99
15) Acrylonitrile	5.36	53	71934	111.567	ug/l	99
16) Acetone	4.12	43	69526	101.907	ug/l	99
17) Carbon Disulfide	4.38	76	155065	22.584	ug/l	99
18) Methyl Acetate	4.66	43	41523	23.495	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	77027	22.486	ug/l	98
20) Methylene Chloride	4.92	84	59208	21.359	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	54099	21.692	ug/l	95
22) Diisopropyl ether	6.31	45	206498	22.029	ug/l	98
23) Vinyl Acetate	6.25	43	630487	109.161	ug/l	99
24) 1,1-Dichloroethane	6.21	63	108142	21.856	ug/l	99
25) 2-Butanone	7.17	43	109059	105.163	ug/l	98
26) 2,2-Dichloropropane	7.16	77	54894	21.368	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	57472	21.403	ug/l	100
28) Bromochloromethane	7.51	49	46364	20.128	ug/l	99
29) Tetrahydrofuran	7.52	42	72132	111.734	ug/l	99
30) Chloroform	7.67	83	98038	21.810	ug/l	99
31) Cyclohexane	7.95	56	115922	21.682	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	76395	22.743	ug/l	98
36) 1,1-Dichloropropene	8.08	75	83461	22.438	ug/l	99
37) Ethyl Acetate	7.26	43	49358	22.810	ug/l	98
38) Carbon Tetrachloride	8.06	117	69367	22.645	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	103179	22.540	ug/l	98
40) Benzene	8.32	78	226357	22.125	ug/l	98
41) Methacrylonitrile	7.48	41	25723	19.539	ug/l	90
42) 1,2-Dichloroethane	8.40	62	73873	22.022	ug/l	99
43) Isopropyl Acetate	8.42	43	92871	22.687	ug/l	99
44) Trichloroethene	9.09	130	54247	21.940	ug/l	99
45) 1,2-Dichloropropane	9.37	63	61329	22.075	ug/l	98
46) Dibromomethane	9.46	93	28212	21.713	ug/l	99
47) Bromodichloromethane	9.64	83	71799	22.319	ug/l	97
48) Methyl methacrylate	9.43	41	43915	22.125	ug/l	99
49) 1,4-Dioxane	9.45	88	9391	429.860	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	241683	112.161	ug/l	100
52) Toluene	10.38	92	139724	22.308	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	75490	22.529	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	89406	22.368	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	39726	21.641	ug/l	99
56) Ethyl methacrylate	10.65	69	60171	21.889	ug/l	99
57) 1,3-Dichloropropane	10.93	76	76617	21.942	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	134908	96.997	ug/l	99
59) 2-Hexanone	10.97	43	168936	112.423	ug/l	100
60) Dibromochloromethane	11.13	129	42431	22.042	ug/l	100
61) 1,2-Dibromoethane	11.23	107	37972	22.096	ug/l	100
64) Tetrachloroethene	10.86	164	45776	21.671	ug/l	97
65) Chlorobenzene	11.66	112	138719	22.078	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	47238	22.143	ug/l	100
67) Ethyl Benzene	11.73	91	267673	22.242	ug/l	99
68) m/p-Xylenes	11.84	106	195375	44.741	ug/l	100
69) o-Xylene	12.16	106	89716	22.057	ug/l	99
70) Styrene	12.18	104	158311	22.399	ug/l	100
71) Bromoform	12.35	173	23504	22.600	ug/l #	99
73) Isopropylbenzene	12.46	105	254309	22.423	ug/l	100
74) N-amyl acetate	12.27	43	87720	23.030	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	50066	22.480	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	42719m	26.727	ug/l	
77) Bromobenzene	12.75	156	55058	22.086	ug/l	100
78) n-propylbenzene	12.80	91	312600	22.257	ug/l	99
79) 2-Chlorotoluene	12.89	91	179720	22.398	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	216130	22.484	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15365	22.879	ug/l	99
82) 4-Chlorotoluene	12.99	91	187149	22.382	ug/l	100
83) tert-Butylbenzene	13.21	119	182464	22.762	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	216997	22.333	ug/l	100
85) sec-Butylbenzene	13.38	105	264296	22.696	ug/l	100
86) p-Isopropyltoluene	13.50	119	236459	22.565	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	109503	22.206	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110463	22.440	ug/l	99
89) n-Butylbenzene	13.82	91	241410	22.665	ug/l	100
90) Hexachloroethane	14.10	117	40522	22.600	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	98953	22.343	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9129	24.119	ug/l	96

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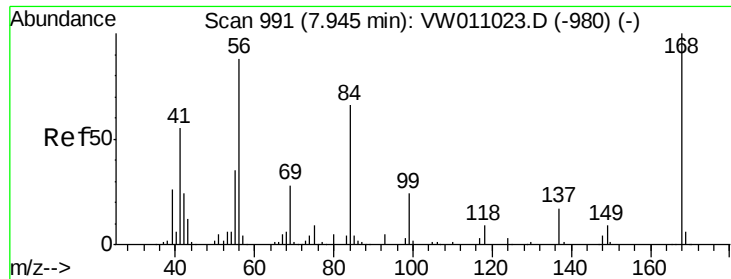
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	72353	23.219	ug/l	100
94) Hexachlorobutadiene	15.24	225	43958	23.258	ug/l	99
95) Naphthalene	15.37	128	134761	23.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	62604	22.500	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion:168 Resp: 213807

Ion Ratio Lower Upper

168 100

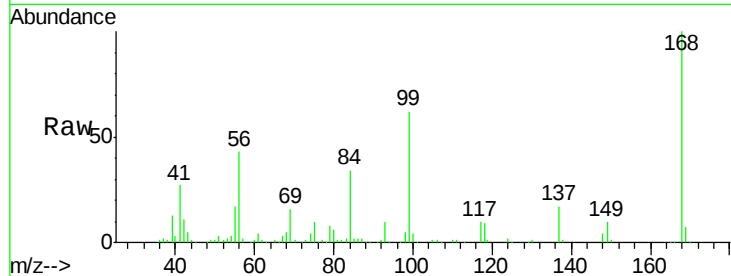
99 62.1 47.8 71.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

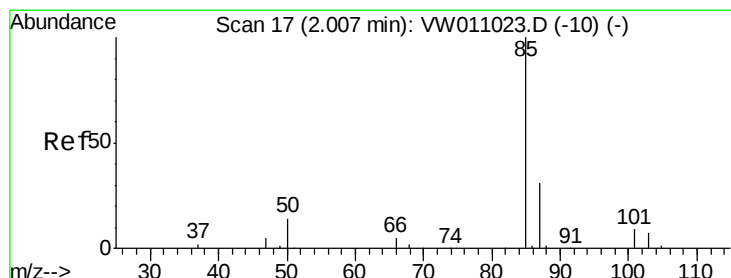
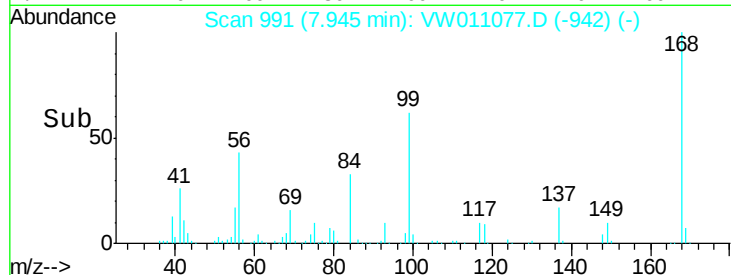
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 25.063 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW011077.D

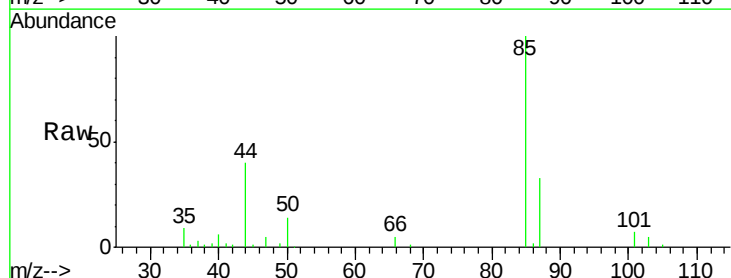
Acq: 01 Jul 2019 11:47

Tgt Ion: 85 Resp: 40396

Ion Ratio Lower Upper

85 100

87 33.0 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

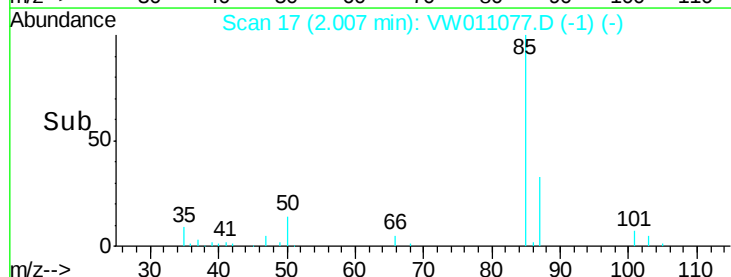
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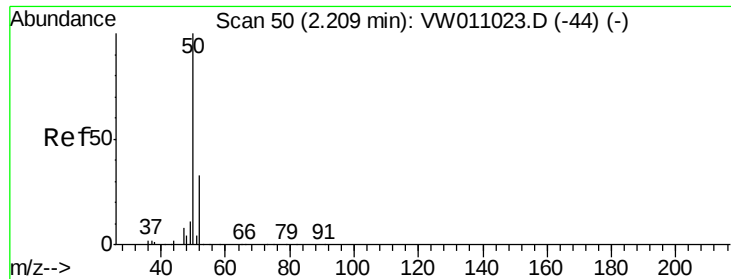
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.477 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 50 Resp: 48565

Ion Ratio Lower Upper

50 100

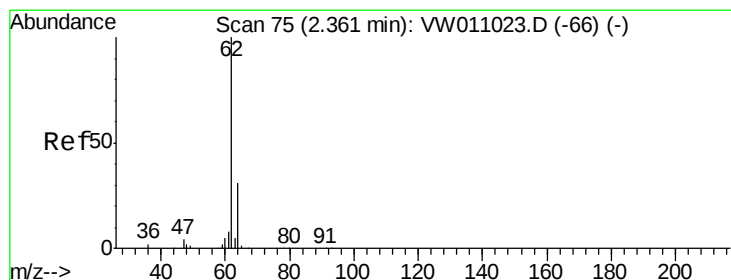
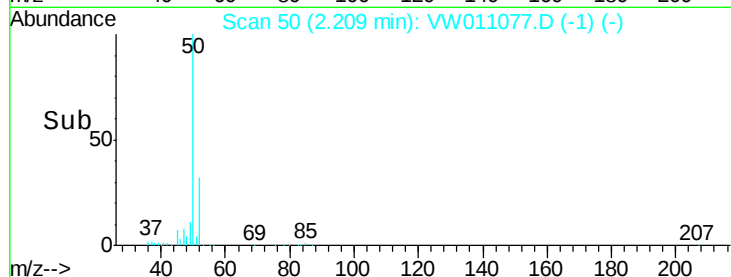
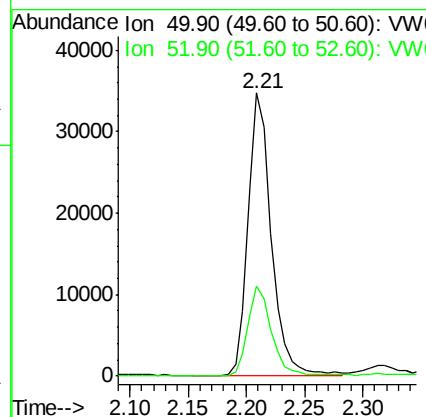
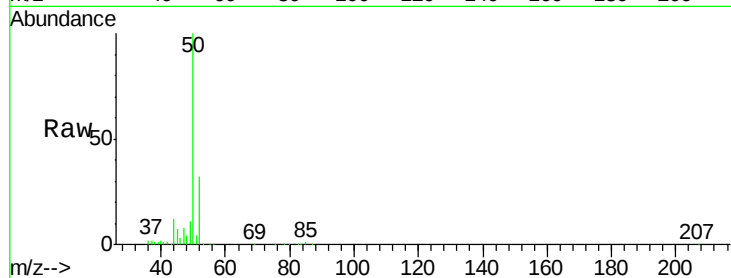
52 32.1 26.6 40.0

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#4

Vinyl Chloride

Concen: 22.921 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011077.D

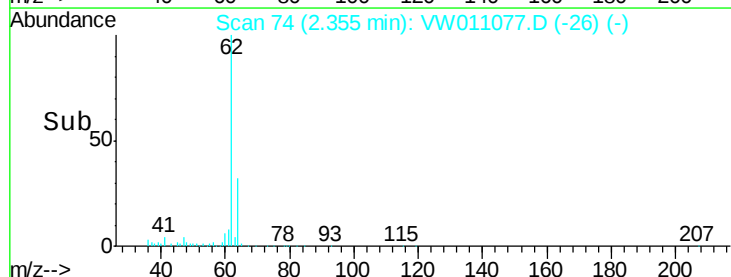
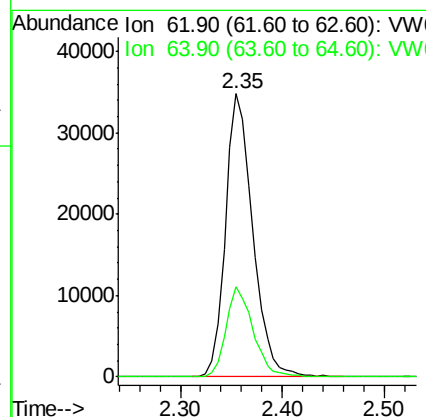
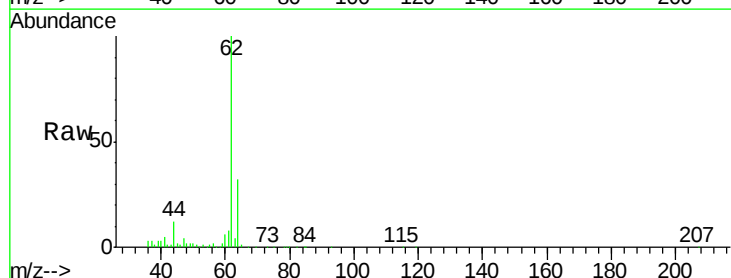
Acq: 01 Jul 2019 11:47

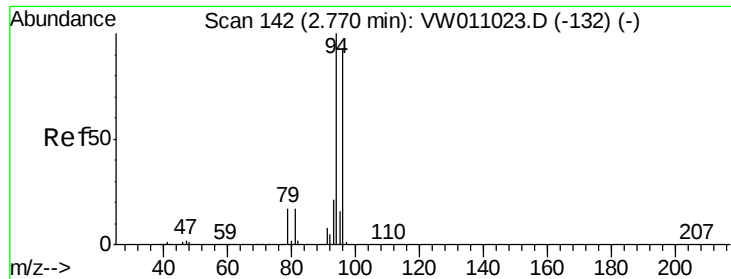
Tgt Ion: 62 Resp: 64485

Ion Ratio Lower Upper

62 100

64 31.6 24.8 37.2





#5

Bromomethane

Concen: 21.398 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 94 Resp: 29965

Ion Ratio Lower Upper

94 100

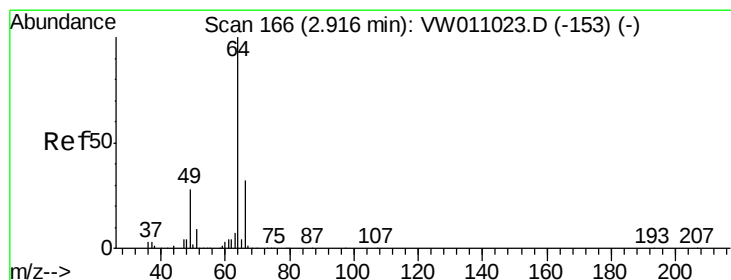
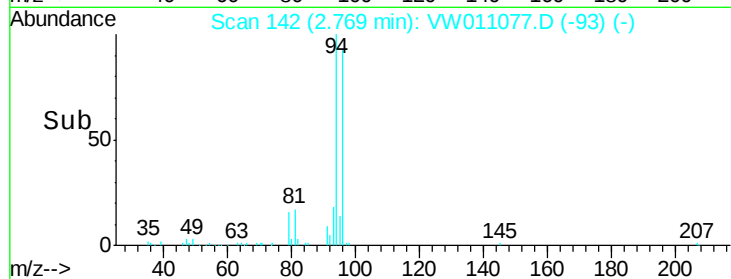
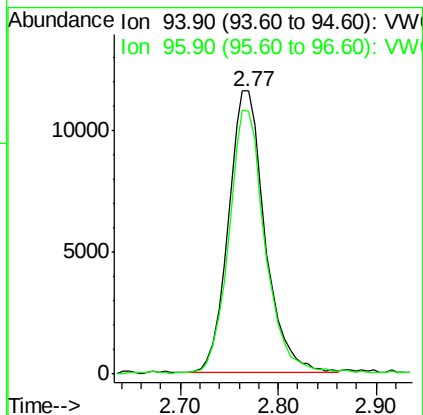
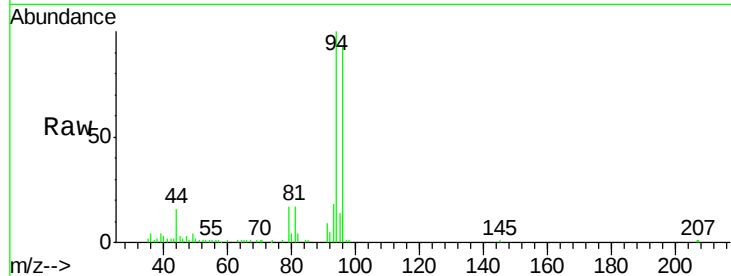
96 92.8 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 21.901 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.00 min

Lab File: VW011077.D

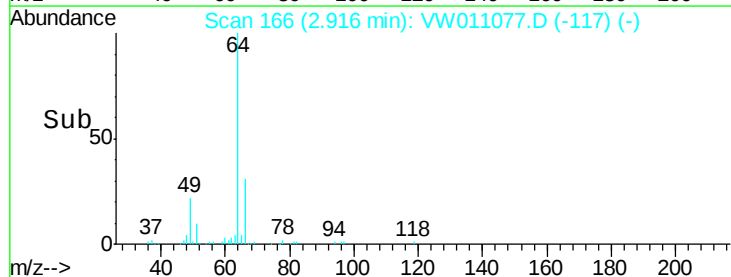
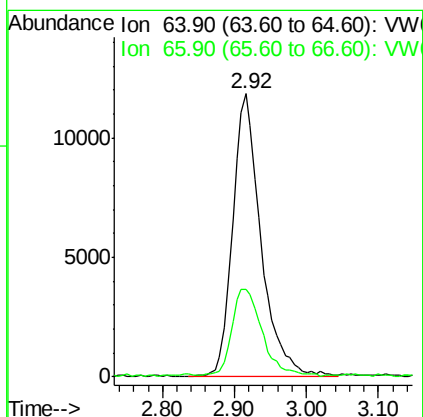
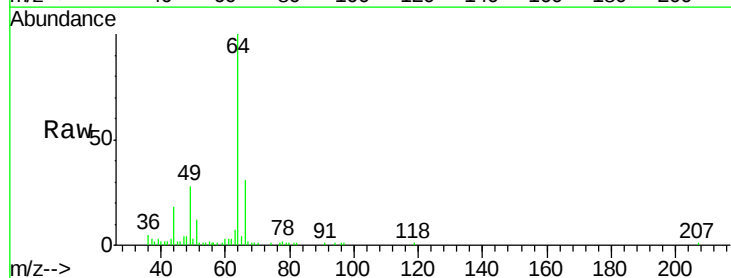
Acq: 01 Jul 2019 11:47

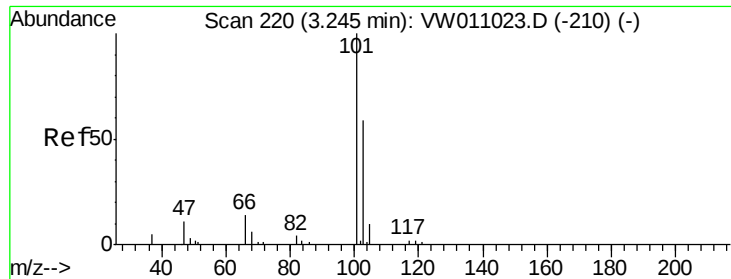
Tgt Ion: 64 Resp: 32484

Ion Ratio Lower Upper

64 100

66 30.6 25.7 38.5





#7

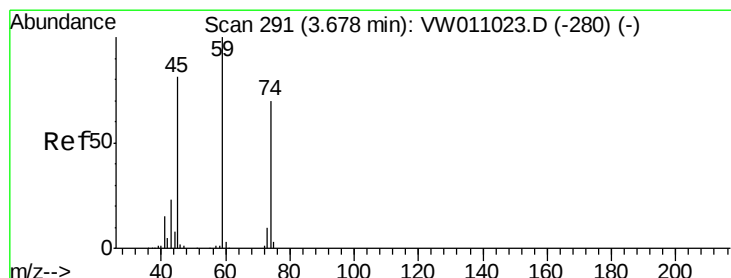
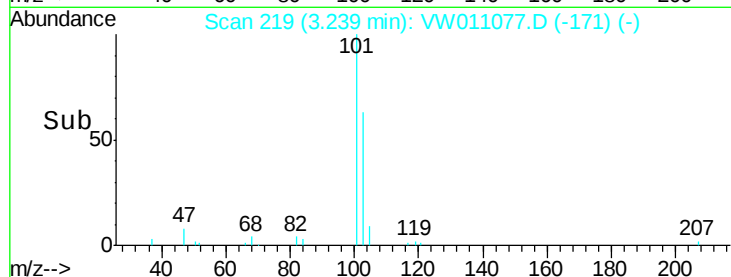
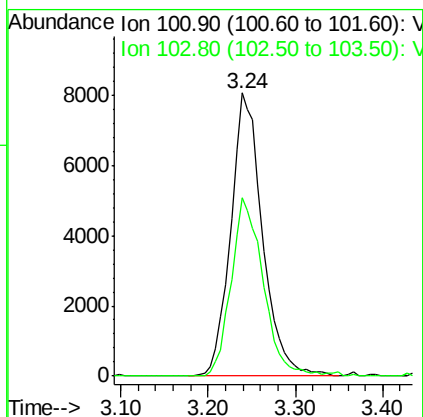
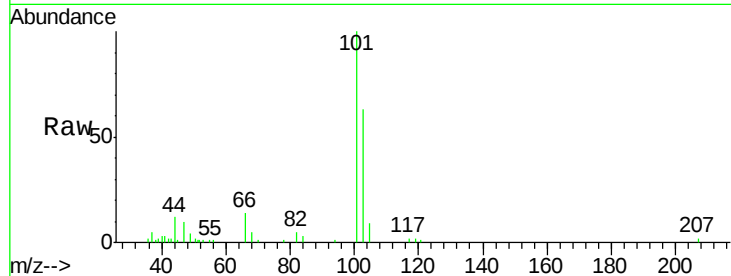
Trichlorofluoromethane
 Concen: 24.694 ug/l
 RT: 3.24 min Scan# 219
 Delta R.T. -0.01 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

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 ClientSampleId :
 VW0701SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	47.5	71.3

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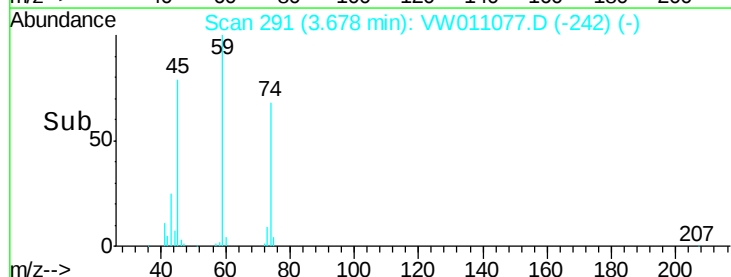
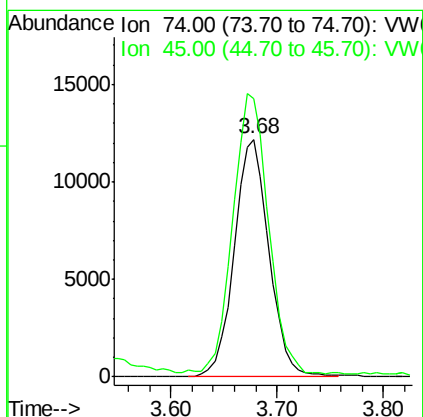
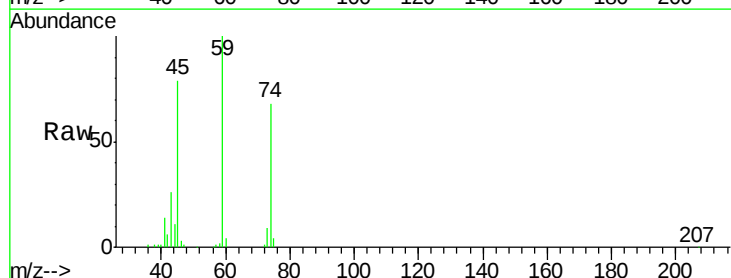
MMDadoda
 7/2/2019 3:52:40 PM

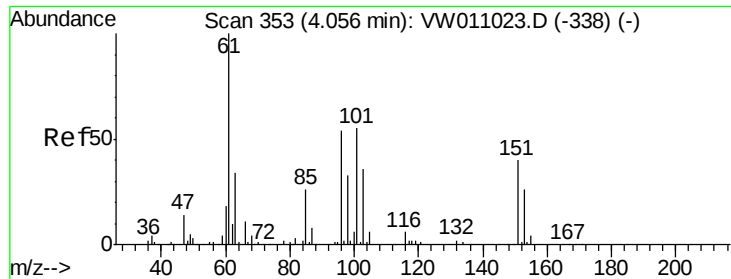


#8

Diethyl Ether
 Concen: 21.290 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.5	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.486 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

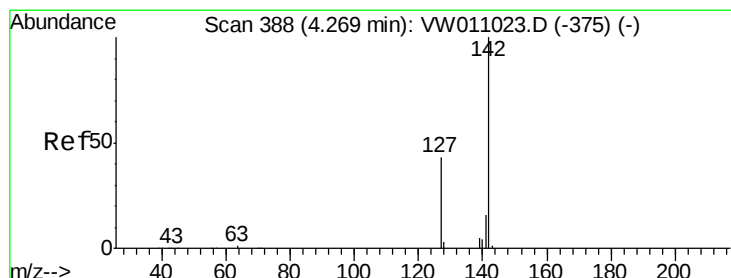
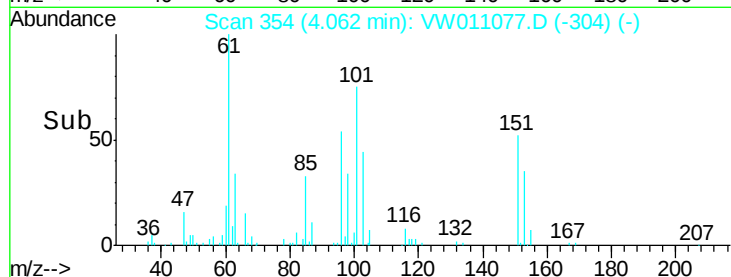
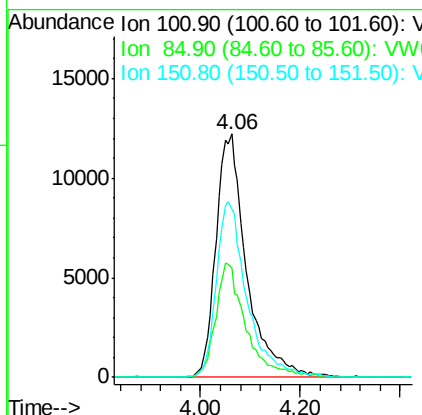
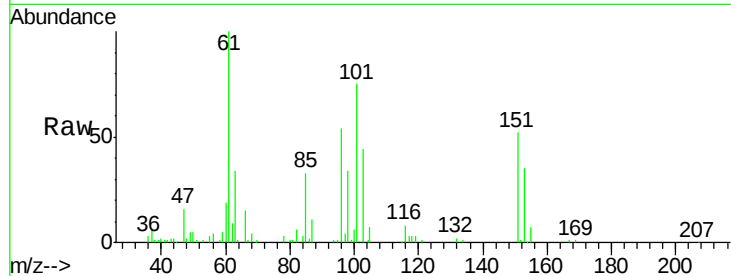
ClientSampleId :

VW0701SBSD01

Tot Ion:	101	Resp:	52283
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.6	55.0
151	71.6	58.9	88.3

Manual Integrations
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7/2/2019 3:52:40 PM



#10

Methyl Iodide

Concen: 21.747 ug/l

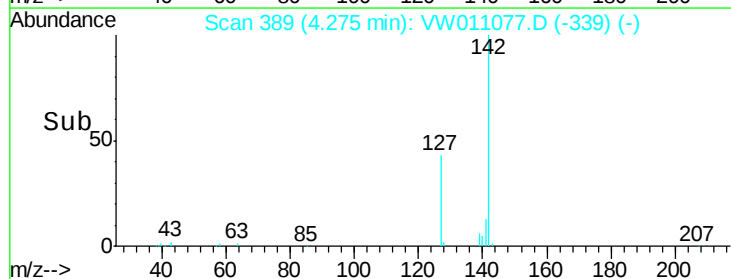
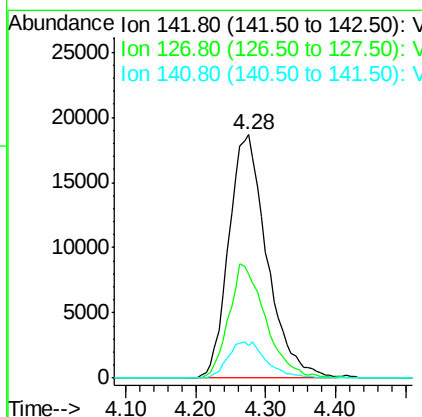
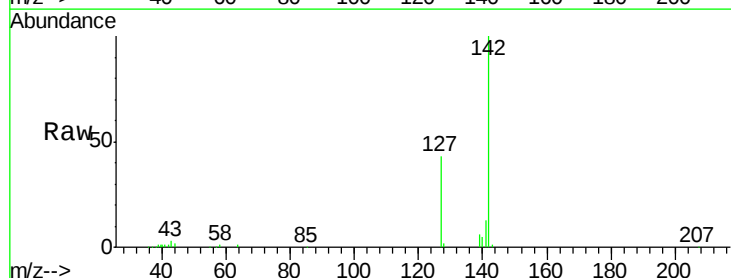
RT: 4.28 min Scan# 389

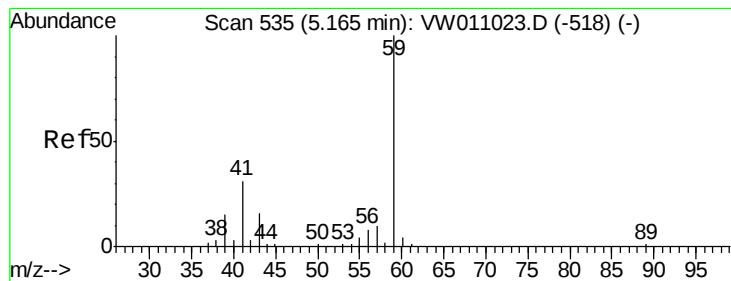
Delta R.T. 0.01 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Tgt Ion:	142	Resp:	70745
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.8	53.8
141	15.1	12.2	18.2





#11

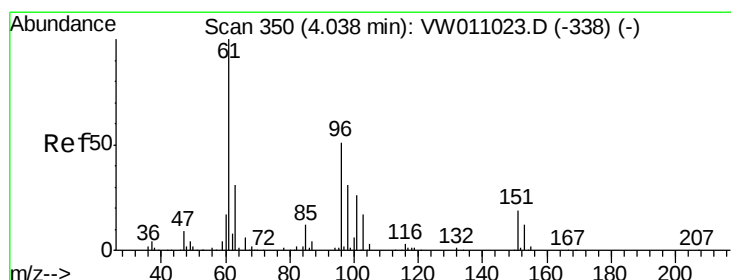
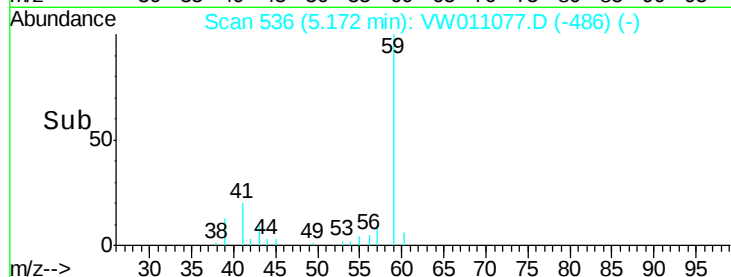
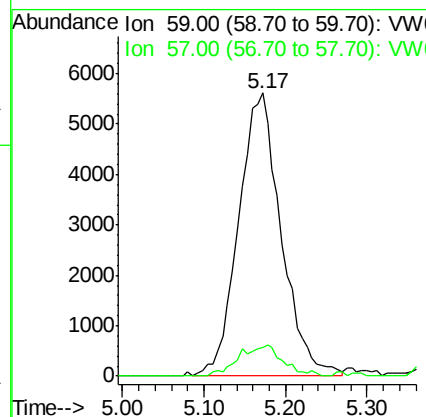
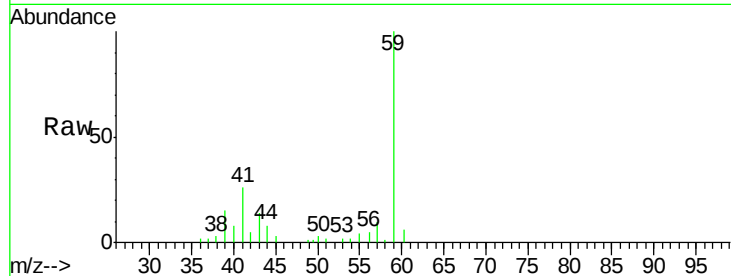
Tert butyl alcohol
 Concen: 100.065 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	20313		
57	57	11.2		9.0	13.4

Manual Integrations
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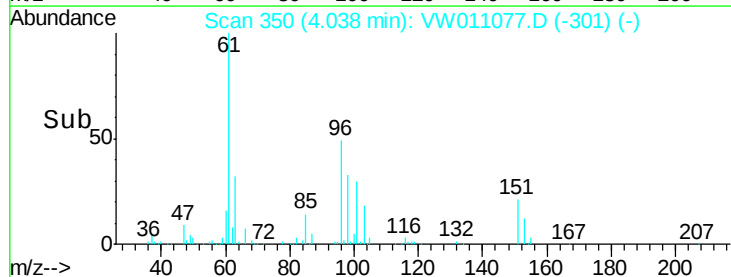
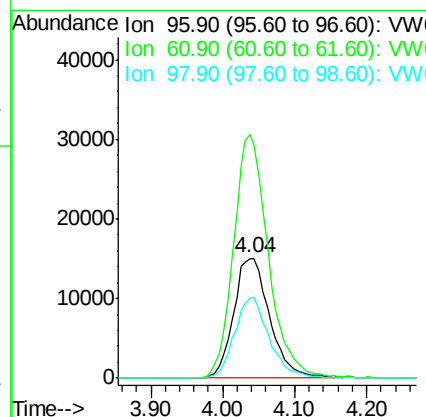
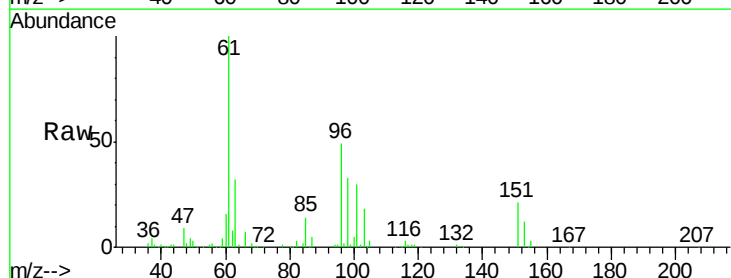
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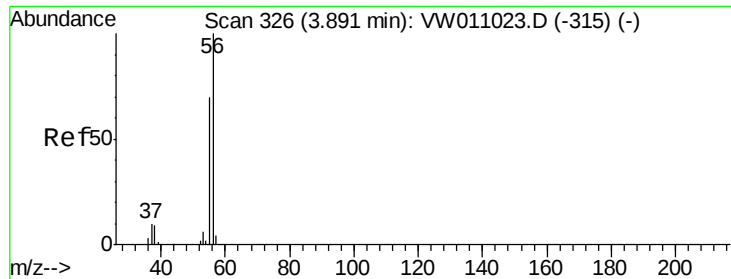


#12

1,1-Dichloroethene
 Concen: 21.705 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	52531		
61	61	202.8		156.0	234.0
98	98	66.6		48.7	73.1





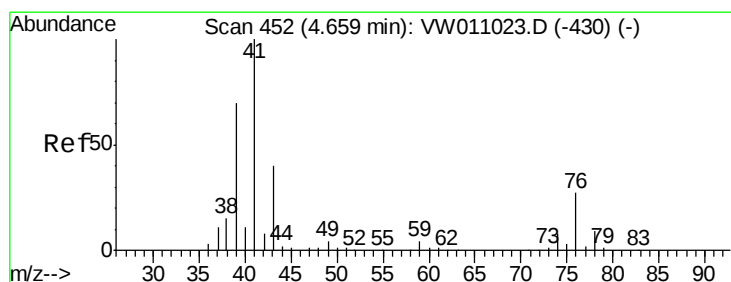
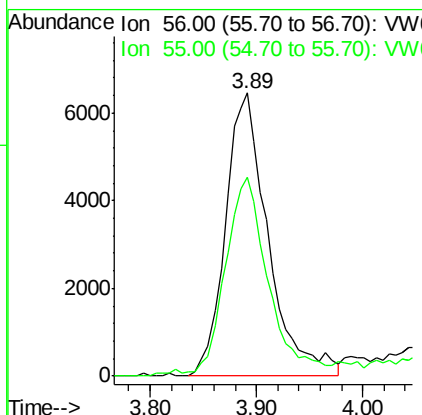
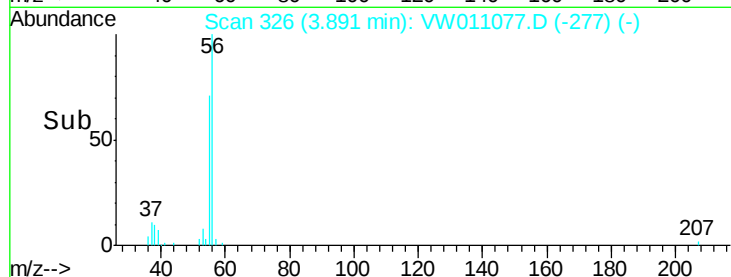
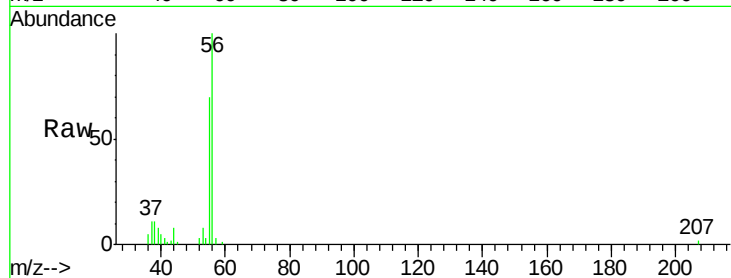
#13
Acrolein
Concen: 114.587 ug/l
RT: 3.89 min Scan# 326
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	56	Resp	18139
Ion Ratio	100	Lower	Upper
55	68.6	55.7	83.5

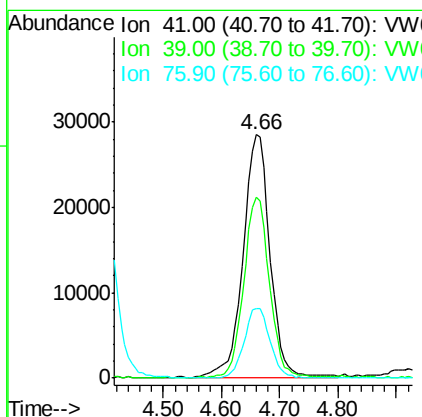
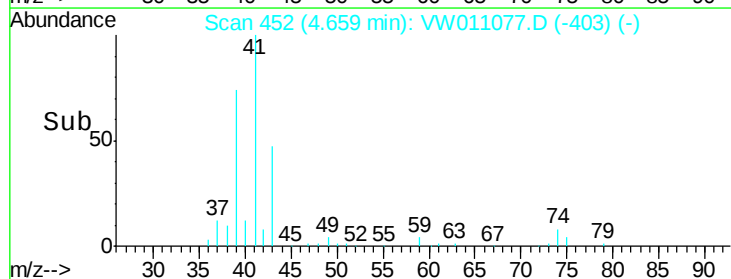
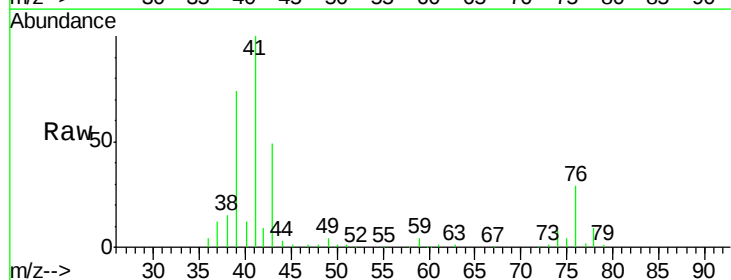
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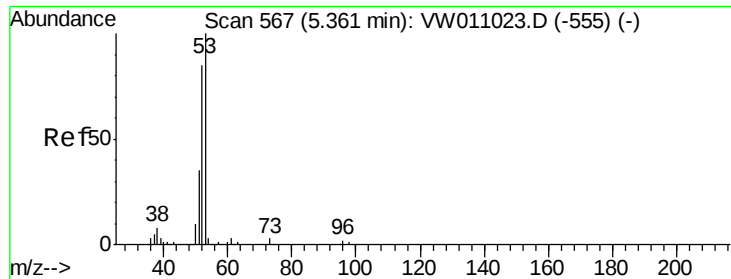
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#14
Allyl chloride
Concen: 23.265 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	41	Resp	90624
Ion Ratio	100	Lower	Upper
39	70.8	55.4	83.2
76	27.7	22.0	33.0





#15

Acrylonitrile

Concen: 111.567 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

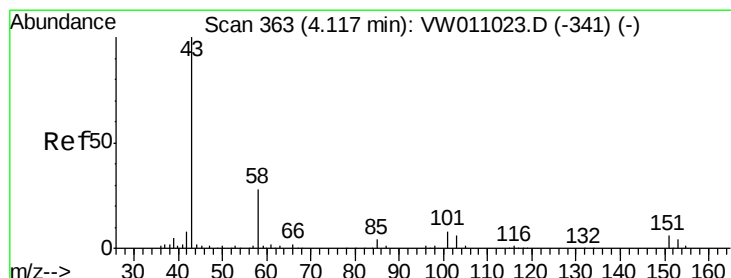
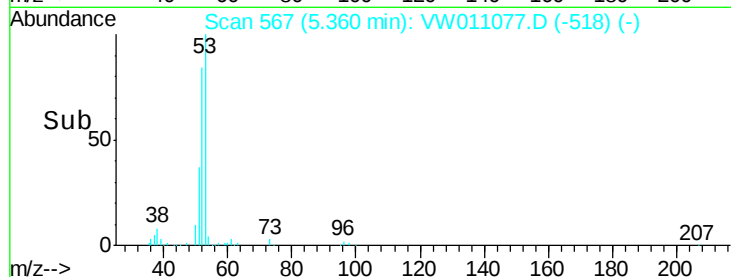
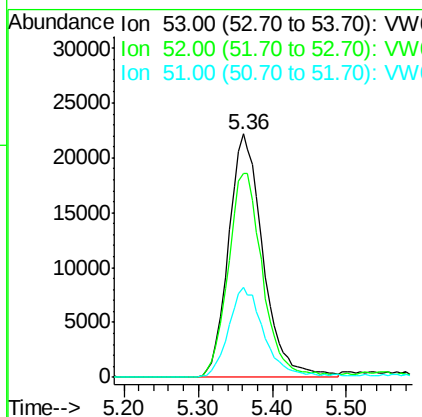
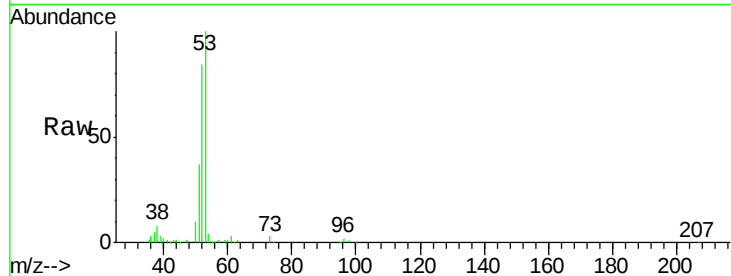
ClientSampleId :

VW0701SBSD01

Tot Ion:	53	Resp:	71934
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.3	99.5
51	38.0	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 101.907 ug/l

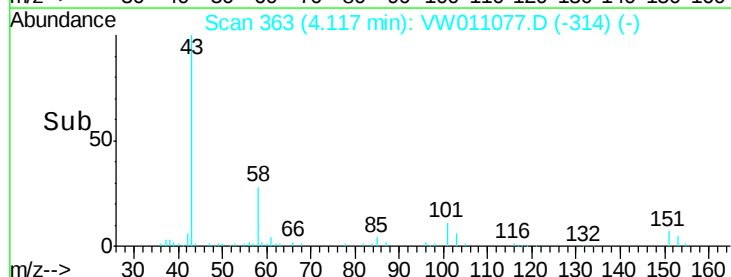
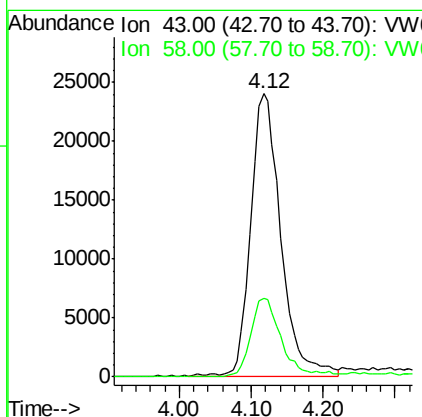
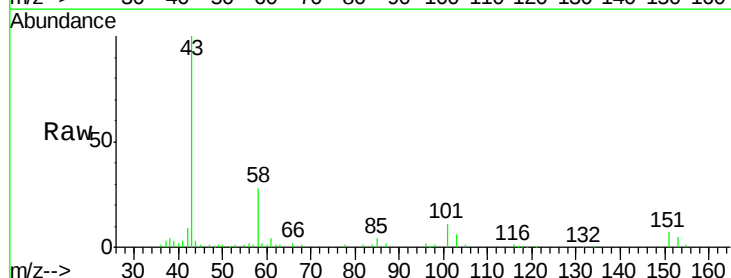
RT: 4.12 min Scan# 363

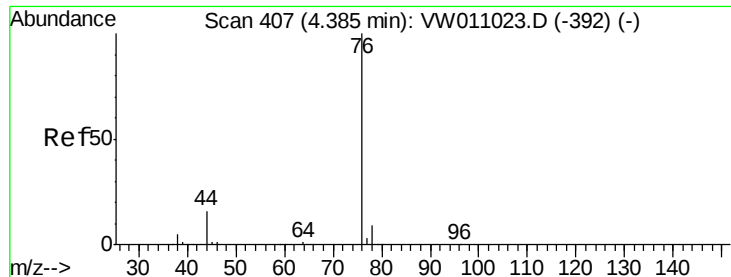
Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Tgt Ion:	43	Resp:	69526
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.5	33.7





#17

Carbon Disulfide

Concen: 22.584 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 76 Resp: 155065

Ion Ratio Lower Upper

76 100

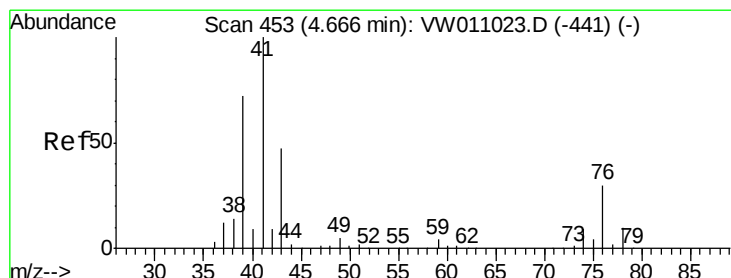
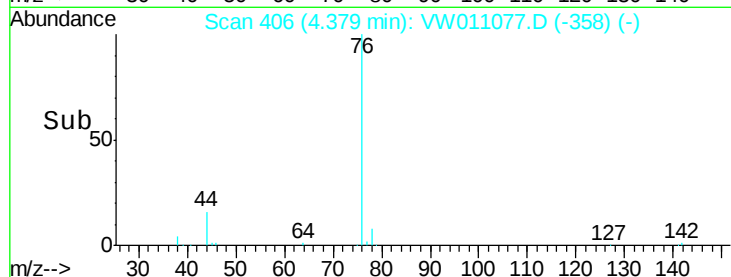
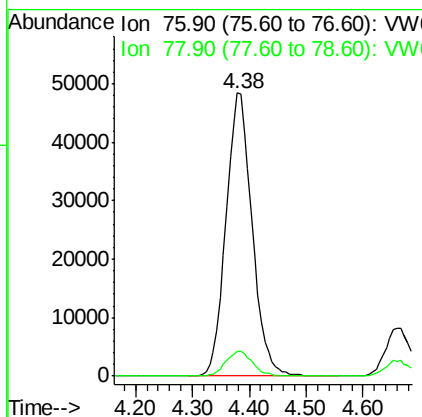
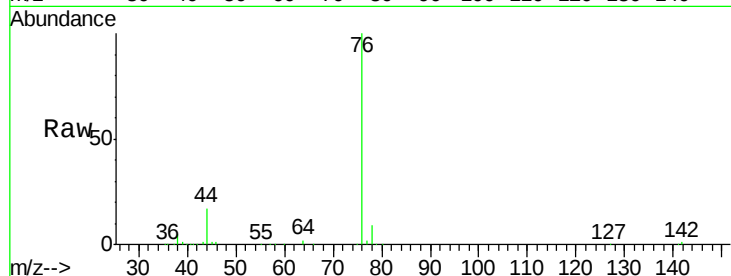
78 8.7 7.2 10.8

Manual Integrations

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#18

Methyl Acetate

Concen: 23.495 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW011077.D

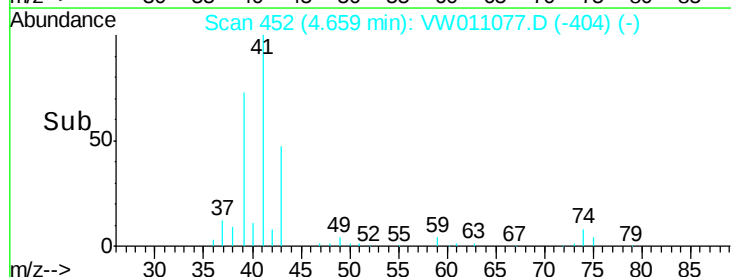
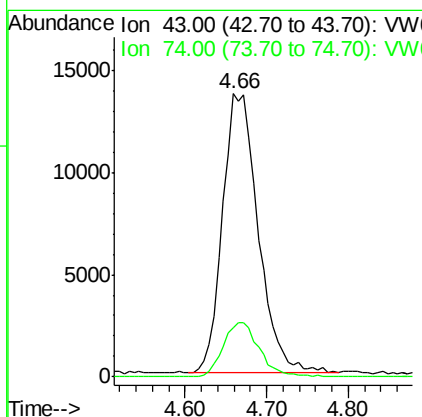
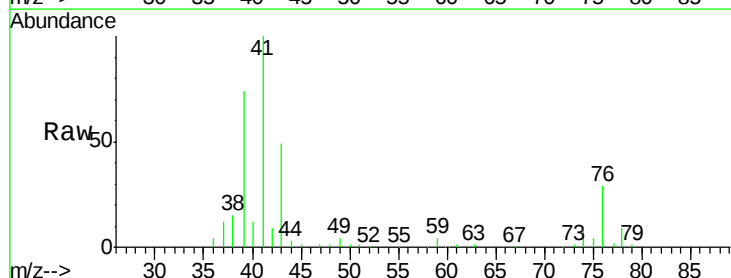
Acq: 01 Jul 2019 11:47

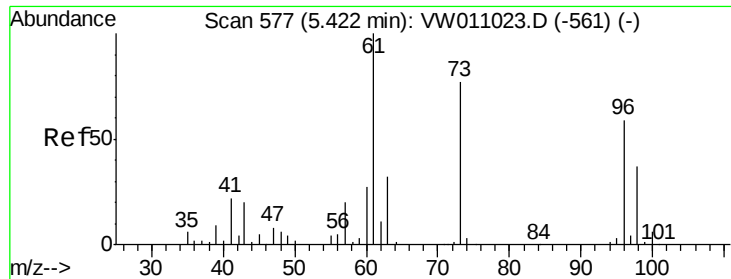
Tgt Ion: 43 Resp: 41523

Ion Ratio Lower Upper

43 100

74 19.6 15.8 23.8





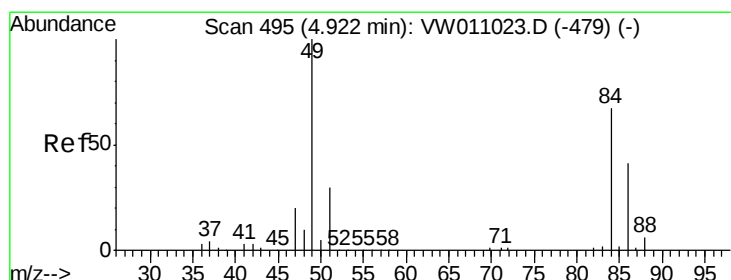
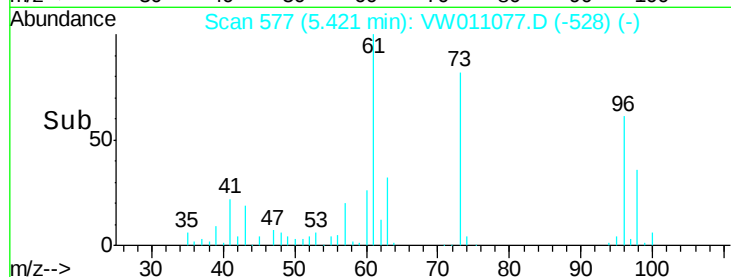
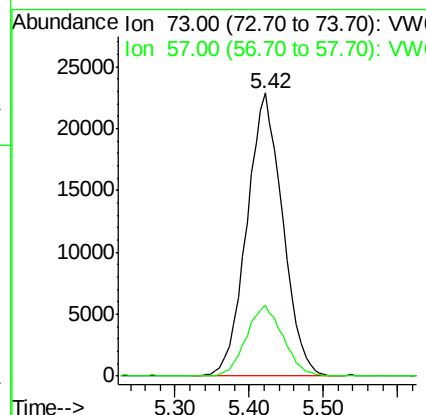
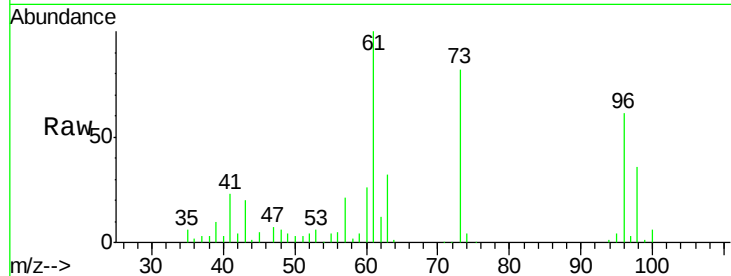
#19
Methyl tert-butyl Ether
Concen: 22.486 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 73 Resp: 77027
Ion Ratio Lower Upper
73 100
57 25.0 20.8 31.2

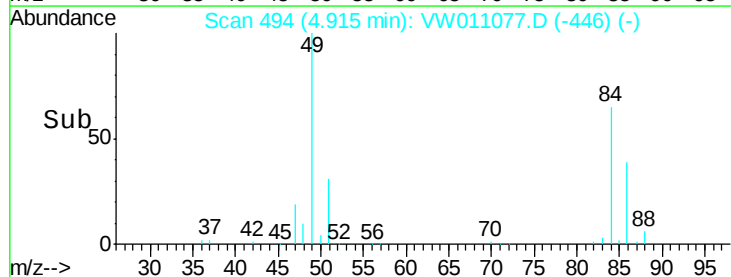
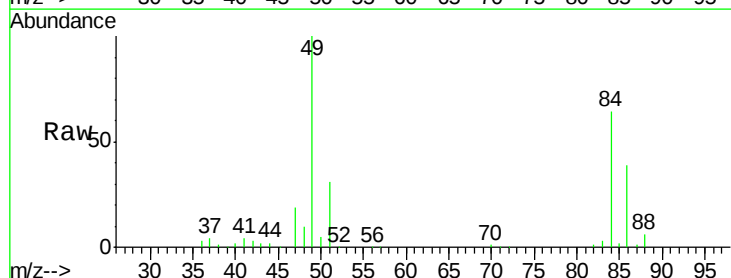
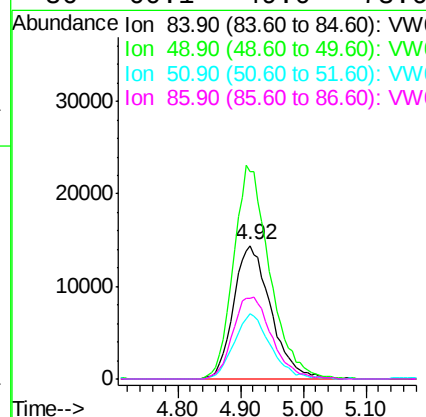
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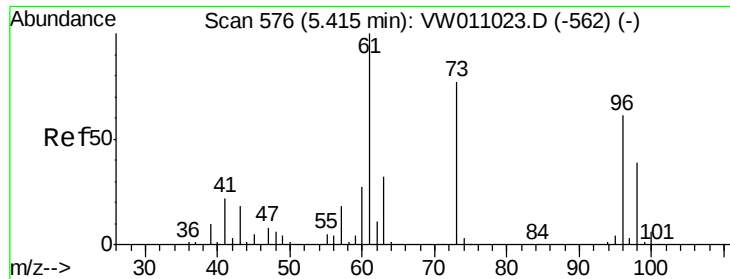
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#20
Methylene Chloride
Concen: 21.359 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion: 84 Resp: 59208
Ion Ratio Lower Upper
84 100
49 155.4 119.6 179.4
51 48.7 35.6 53.4
86 60.1 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 21.692 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 96 Resp: 54099

Ion Ratio Lower Upper

96 100

61 172.5 131.0 196.4

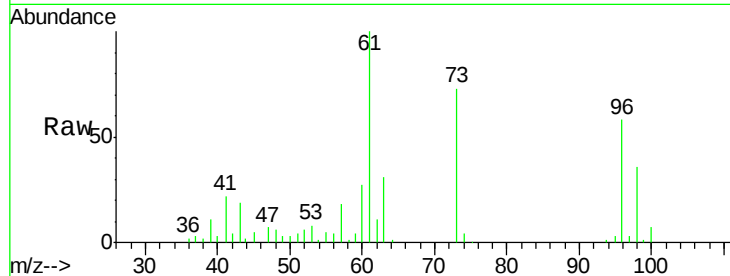
98 62.8 50.8 76.2

Manual Integrations

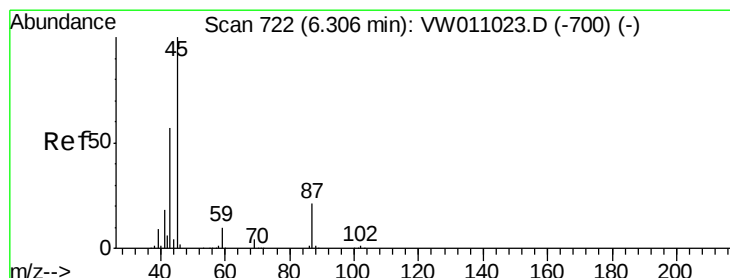
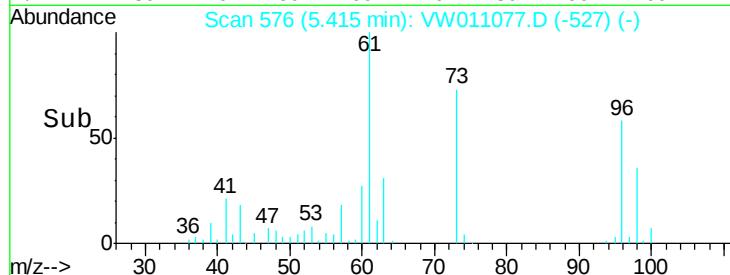
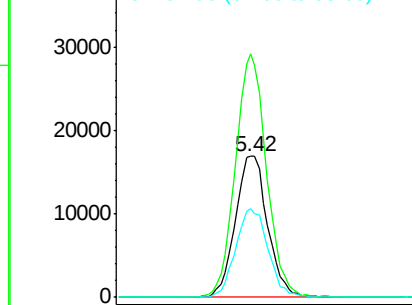
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 22.029 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Tgt Ion: 45 Resp: 206498

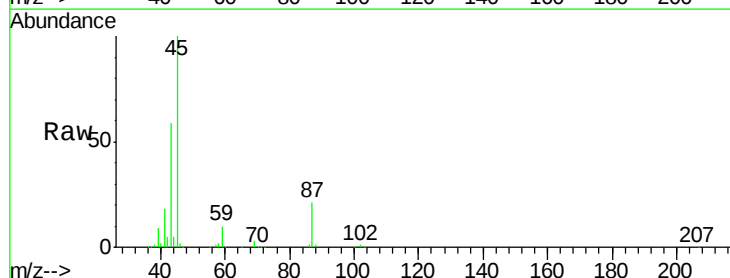
Ion Ratio Lower Upper

45 100

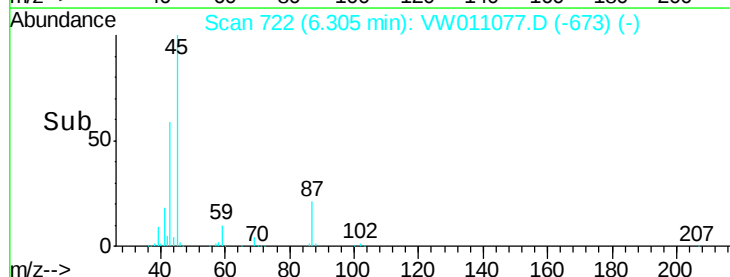
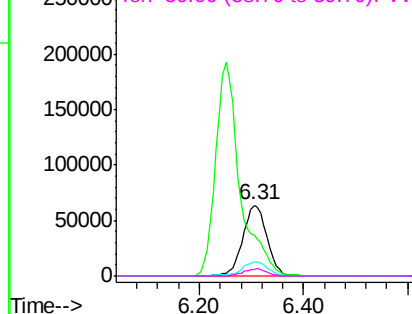
43 58.5 45.8 68.6

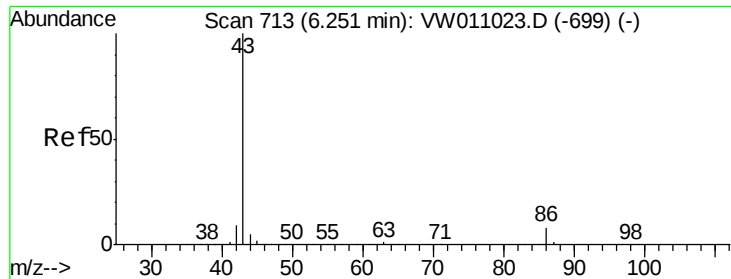
87 20.9 17.1 25.7

59 9.9 8.2 12.4



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





#23

Vinyl Acetate

Concen: 109.161 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 43 Resp: 630487

Ion Ratio Lower Upper

43 100

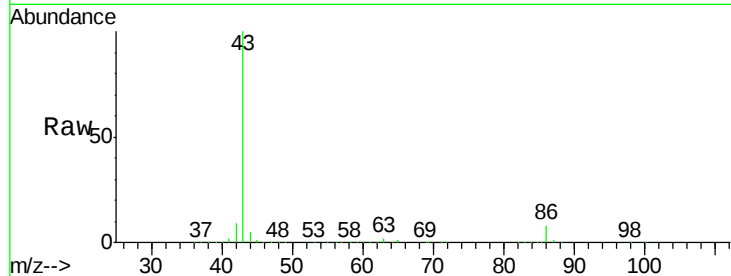
86 8.0 6.6 10.0

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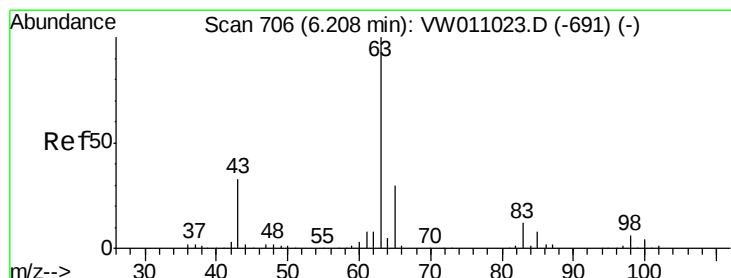
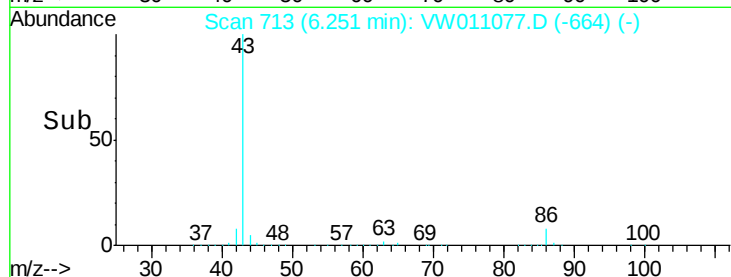
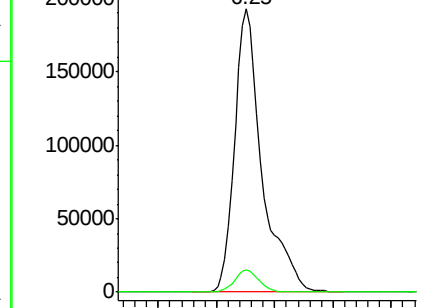
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.856 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

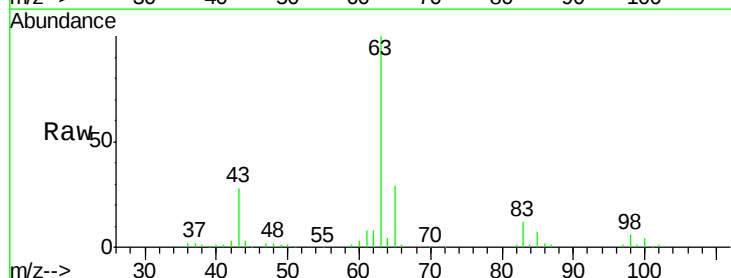
Tgt Ion: 63 Resp: 108142

Ion Ratio Lower Upper

63 100

98 5.7 3.1 9.4

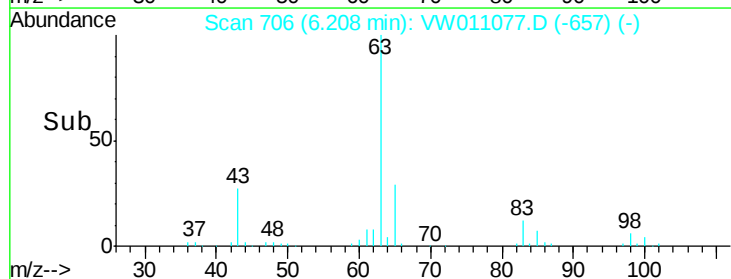
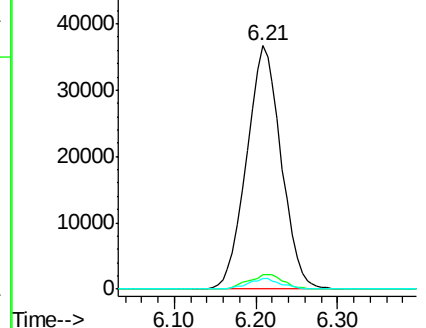
100 4.1 2.1 6.2

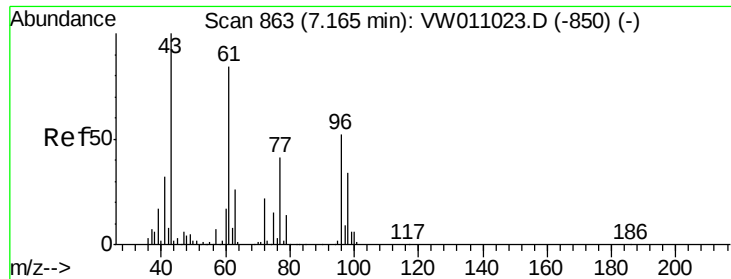


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





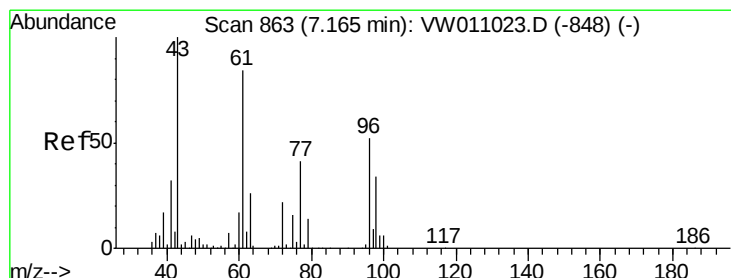
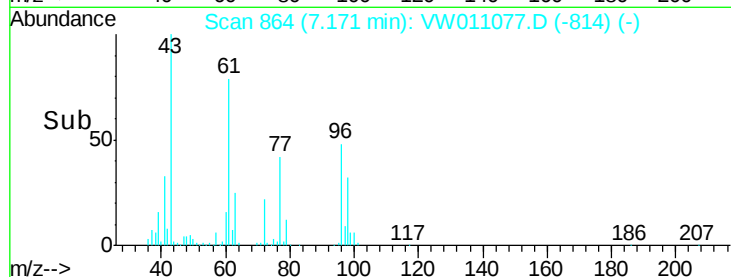
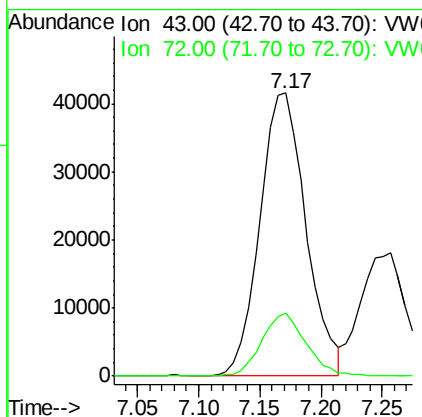
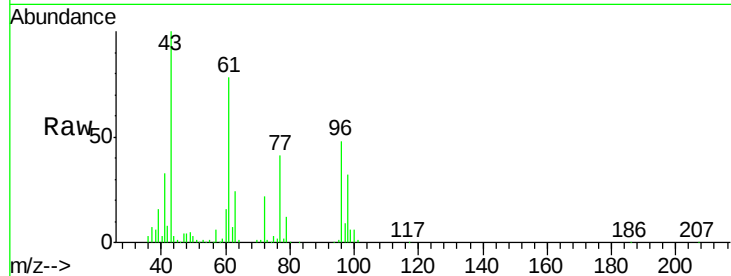
#25
2-Butanone
Concen: 105.163 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 43 Resp: 109059
Ion Ratio Lower Upper
43 100
72 22.4 17.2 25.8

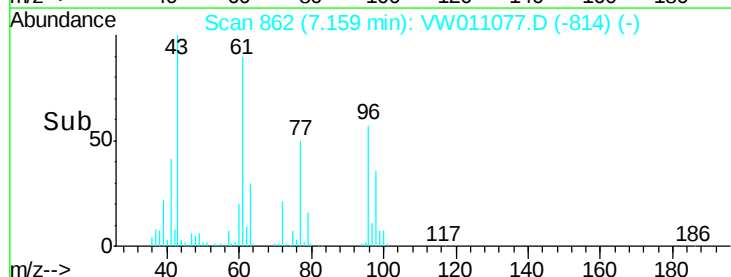
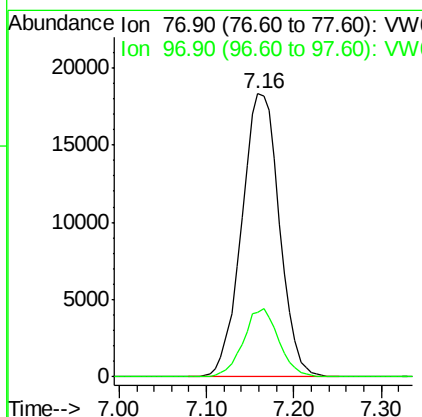
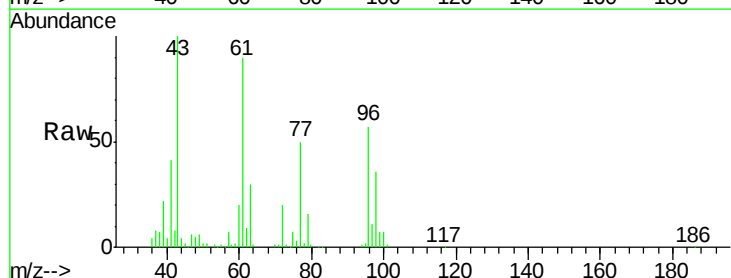
Manual Integrations
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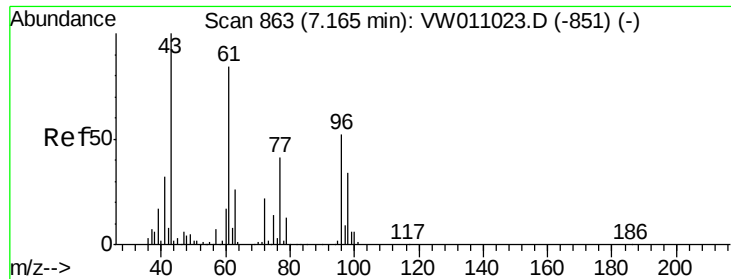
MMDadoda
7/2/2019 3:52:40 PM



#26
2,2-Dichloropropane
Concen: 21.368 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion: 77 Resp: 54894
Ion Ratio Lower Upper
77 100
97 22.5 10.9 32.7





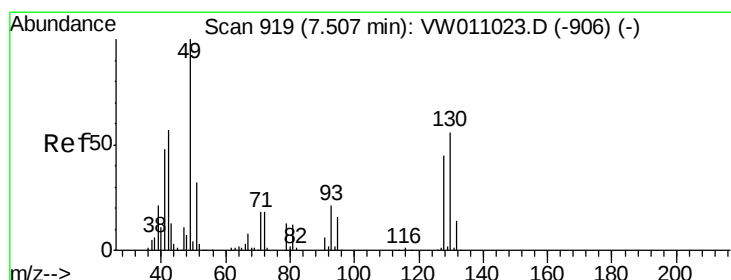
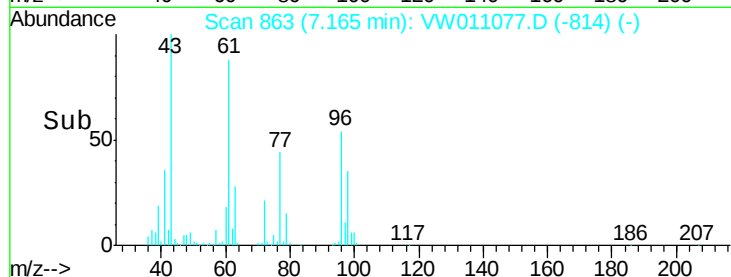
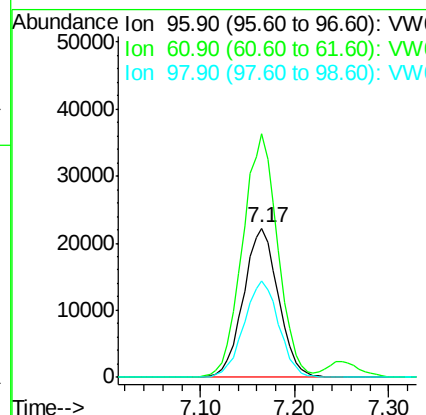
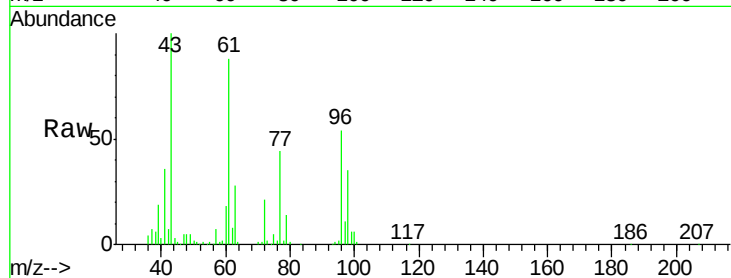
#27
 cis-1,2-Dichloroethene
 Concen: 21.403 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.8	0.0	330.4
98	64.7	0.0	129.4

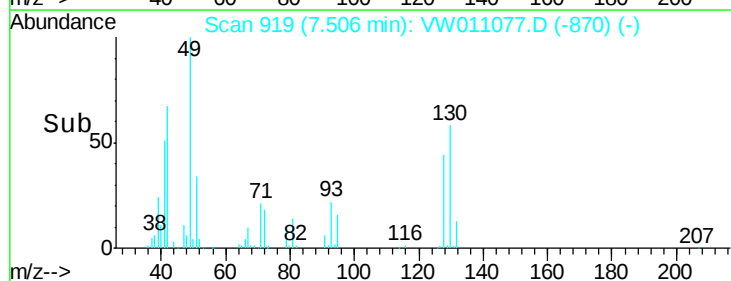
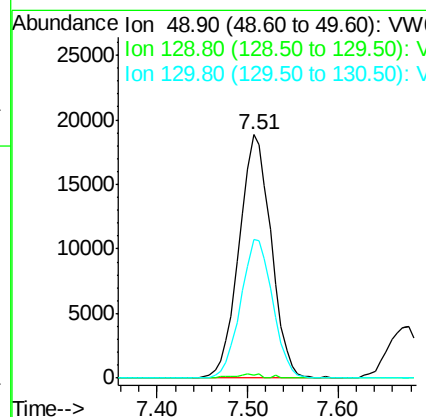
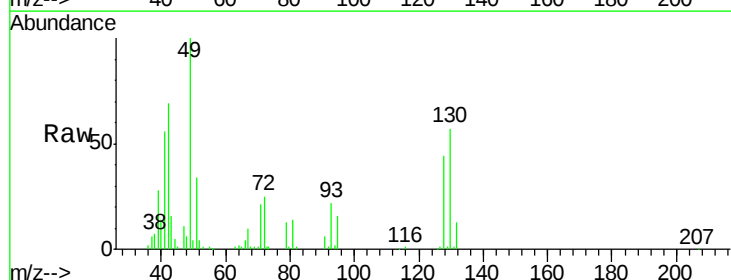
Manual Integrations
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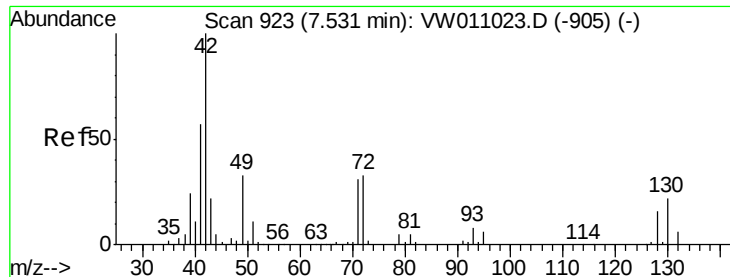
MMDadoda
 7/2/2019 3:52:40 PM



#28
 Bromochloromethane
 Concen: 20.128 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.4
130	56.7	46.1	69.1





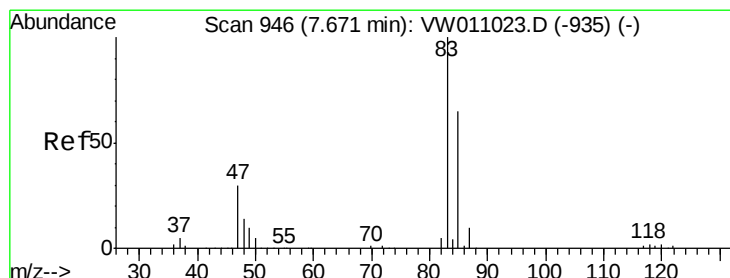
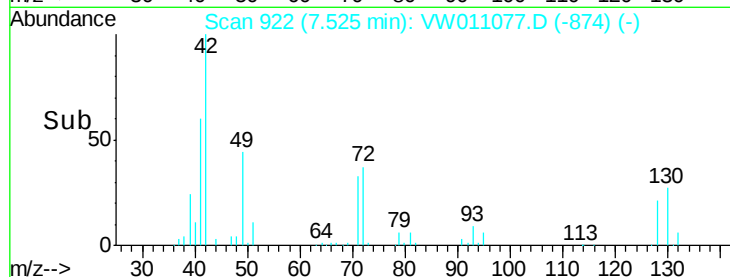
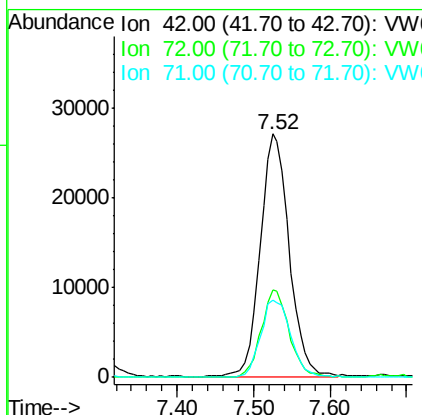
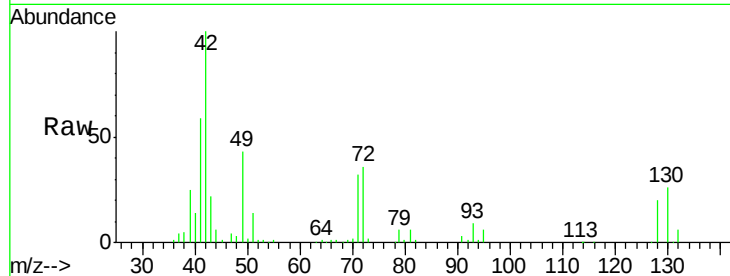
#29
Tetrahydrofuran
Concen: 111.734 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.4	41.0
71	33.1	25.6	38.4

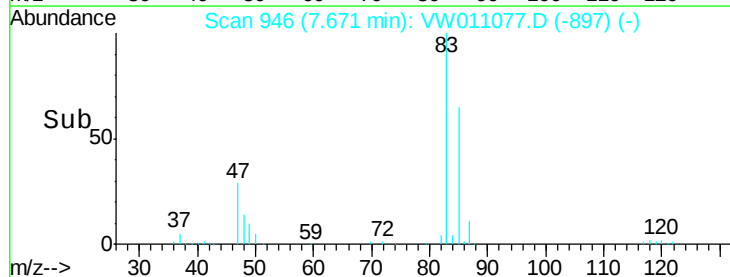
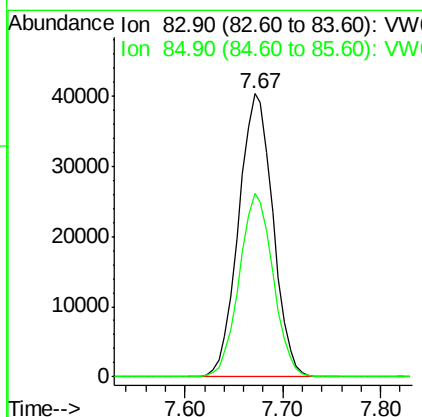
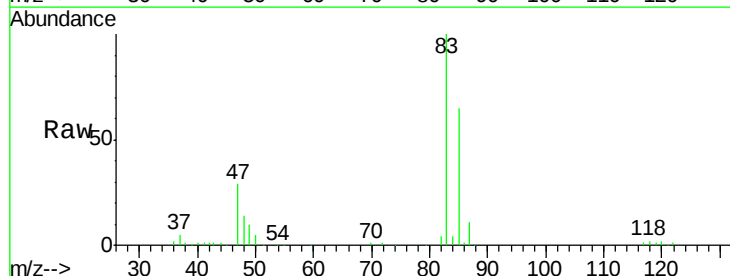
Manual Integrations
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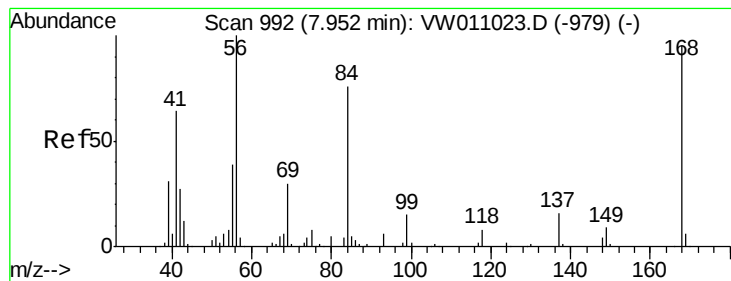
MMDadoda
7/2/2019 3:52:40 PM



#30
Chloroform
Concen: 21.810 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4





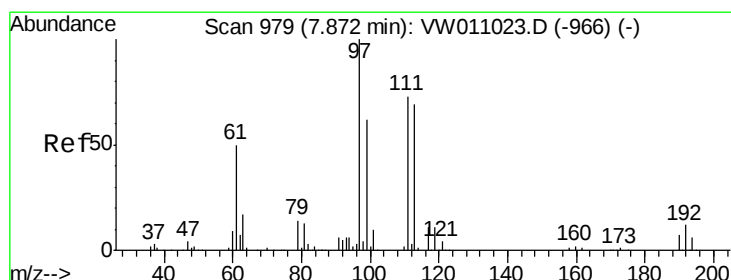
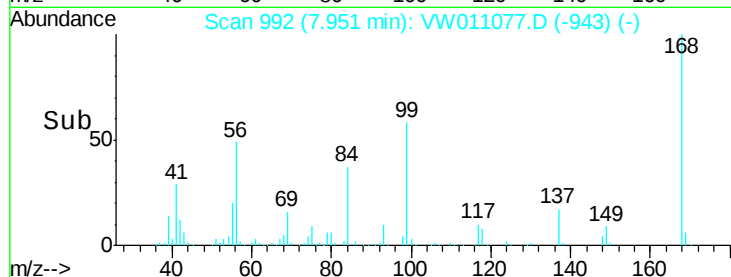
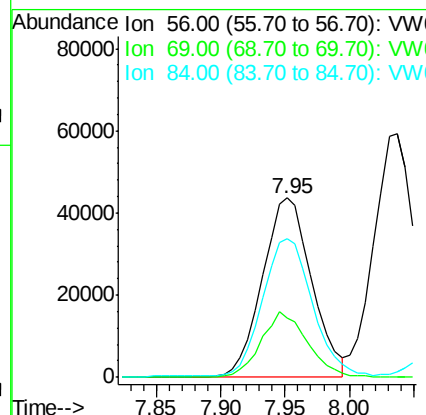
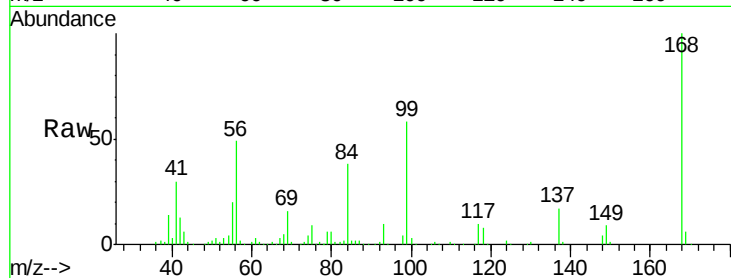
#31
Cyclohexane
Concen: 21.682 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	115922		
69	33.1	24.2	36.2	
84	76.5	60.6	90.8	

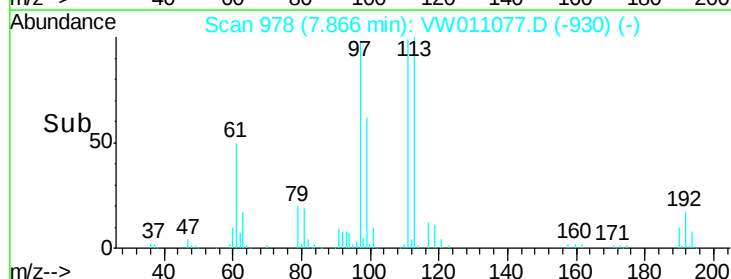
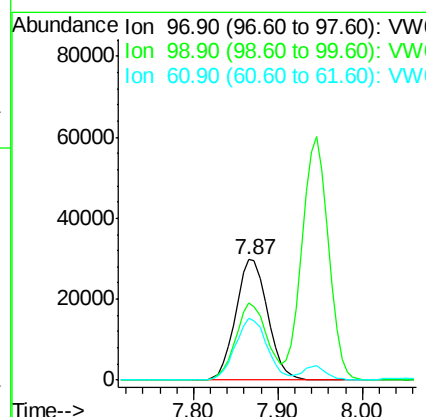
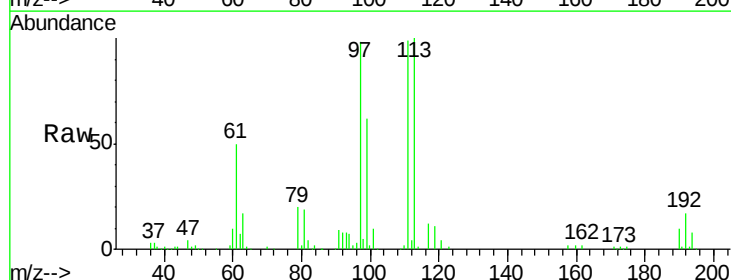
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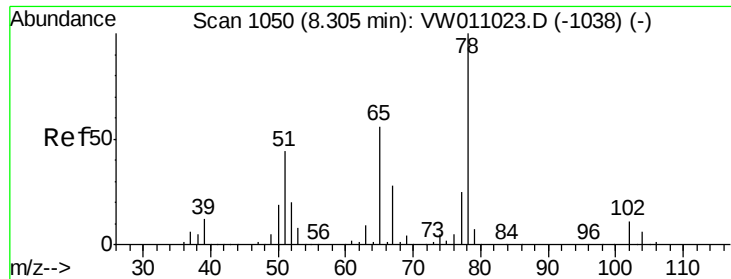
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.743 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	76395		
99	62.4	51.1	76.7	
61	50.8	41.4	62.2	





#33

1,2-Dichloroethane-d4

Concen: 51.563 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 65 Resp: 144120

Ion Ratio Lower Upper

65 100

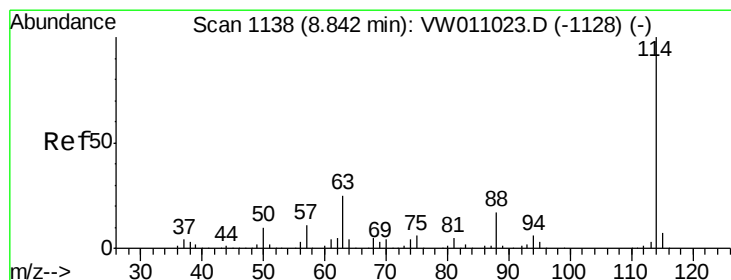
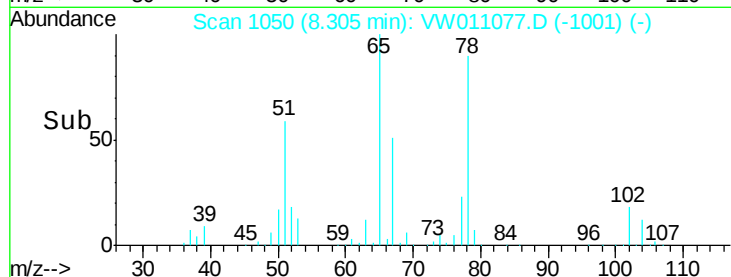
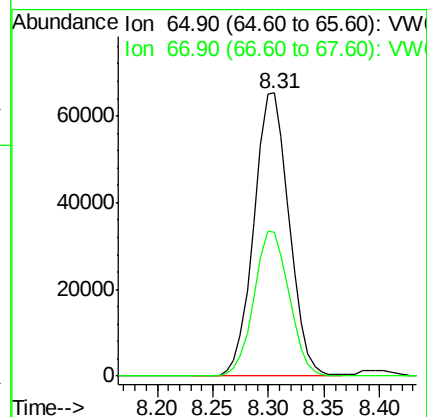
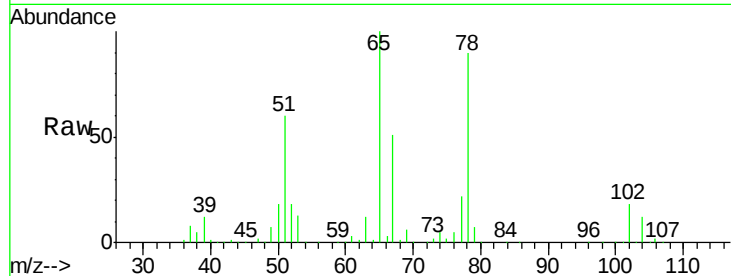
67 51.2 0.0 102.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

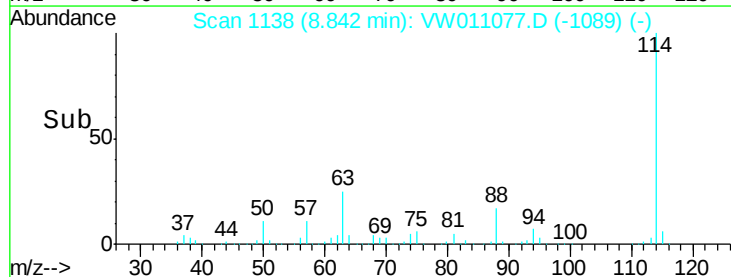
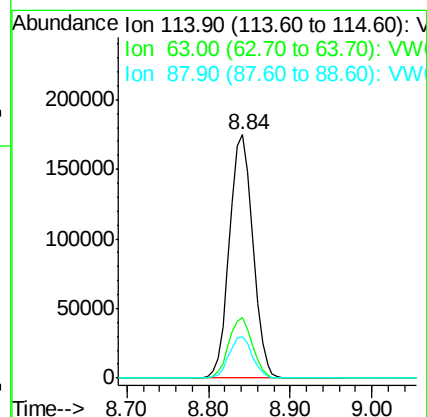
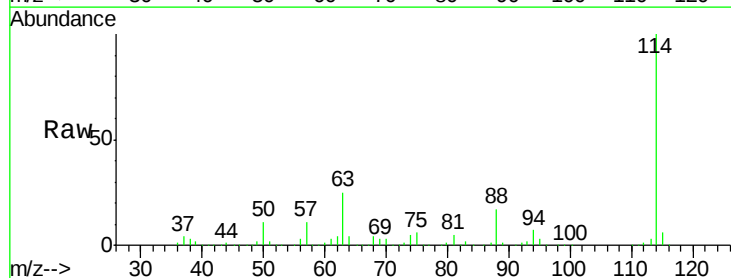
Tgt Ion: 114 Resp: 346072

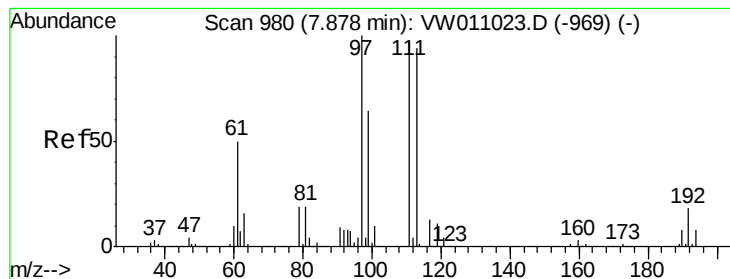
Ion Ratio Lower Upper

114 100

63 24.8 0.0 50.6

88 17.0 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.723 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion:113 Resp: 111418

Ion Ratio Lower Upper

113 100

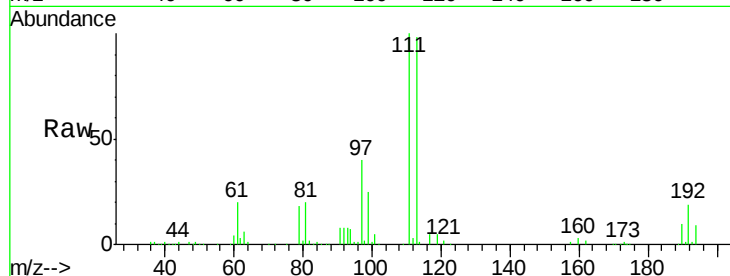
111 102.1 83.8 125.6

192 19.5 16.0 24.0

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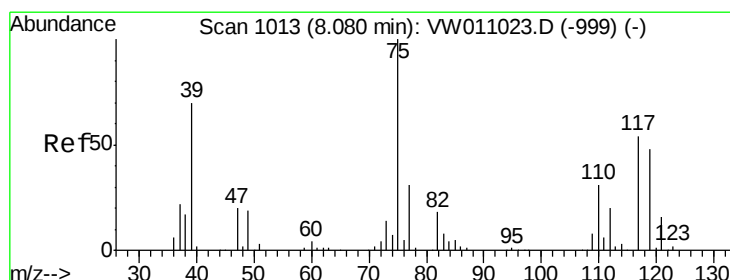
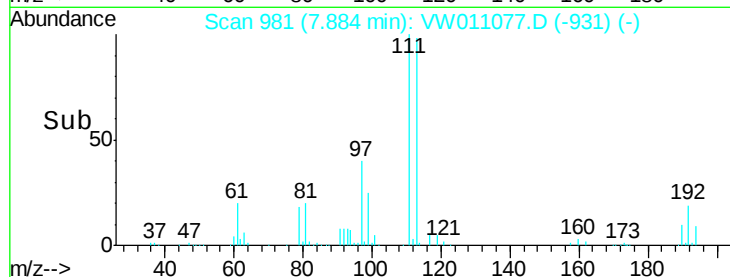
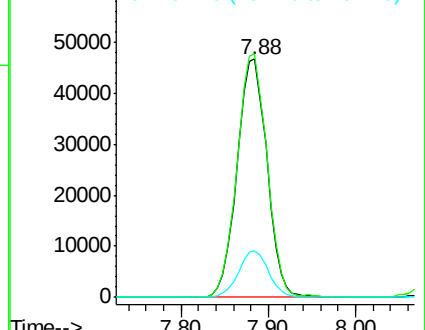
7/2/2019 3:52:40 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 22.438 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

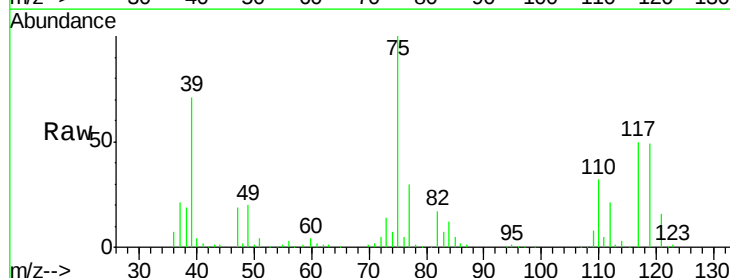
Tgt Ion: 75 Resp: 83461

Ion Ratio Lower Upper

75 100

110 31.8 15.5 46.5

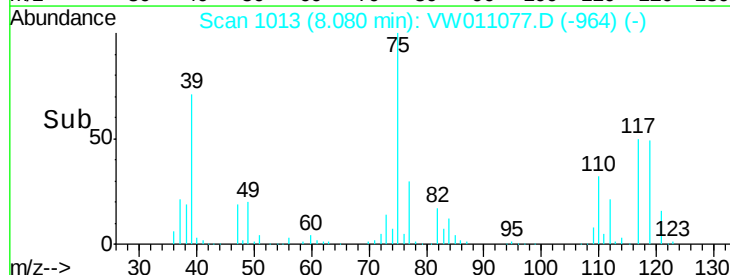
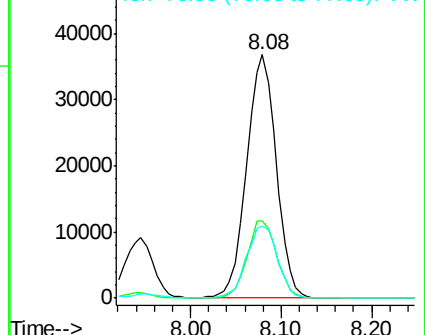
77 31.0 24.9 37.3

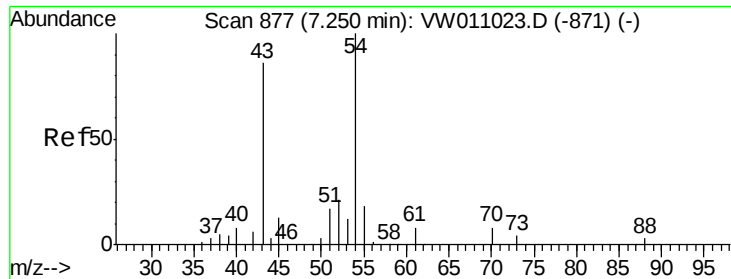


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





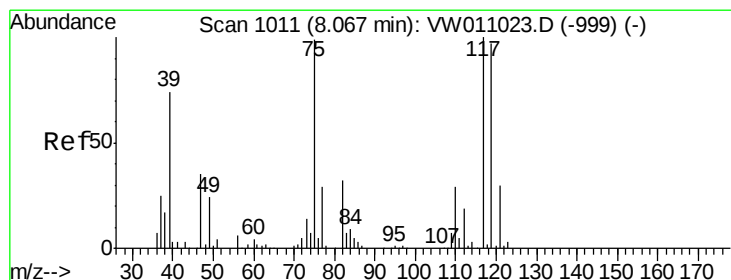
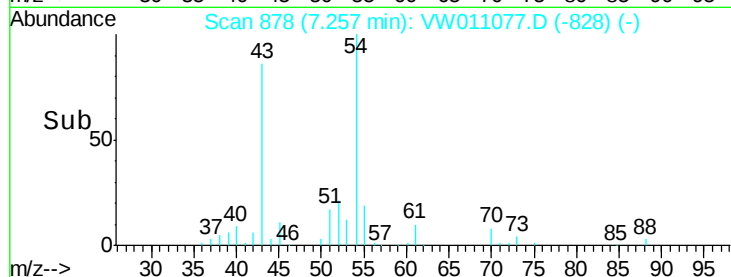
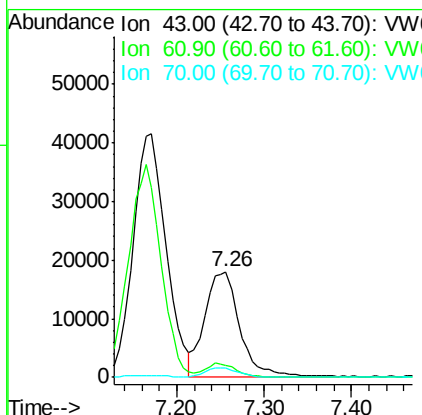
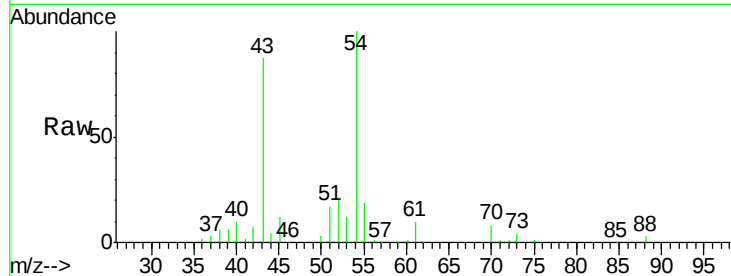
#37
Ethyl Acetate
Concen: 22.810 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

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

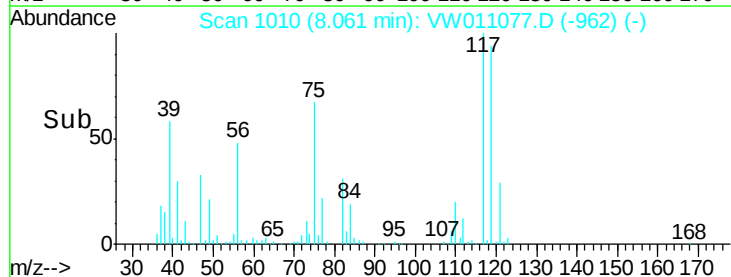
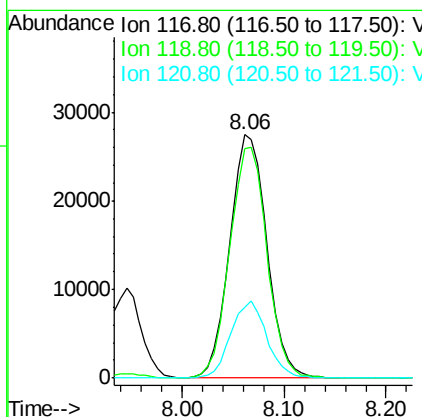
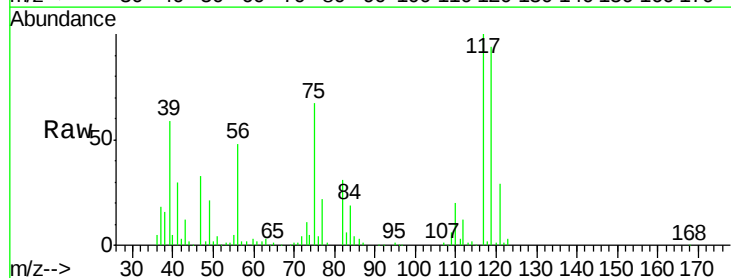
Manual Integrations
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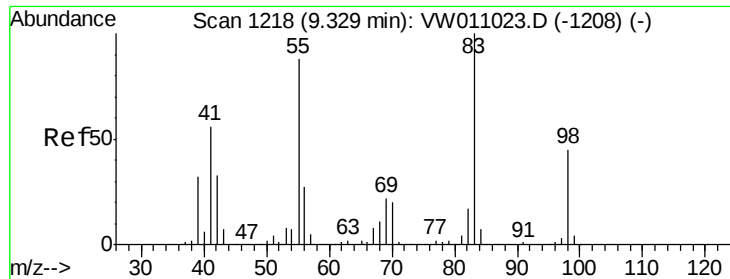
MMDadoda
7/2/2019 3:52:40 PM



#38
Carbon Tetrachloride
Concen: 22.645 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.7	116.5
121	28.9	23.9	35.9





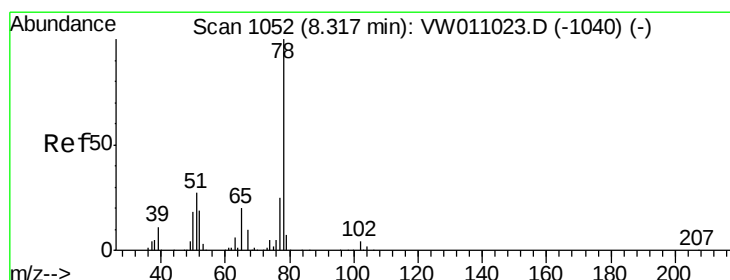
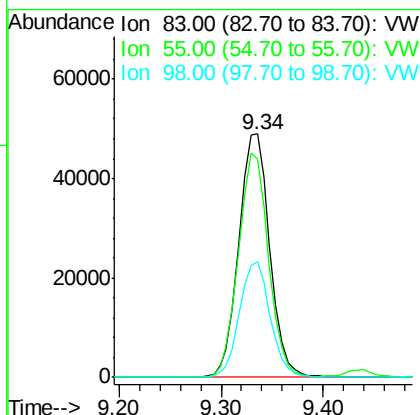
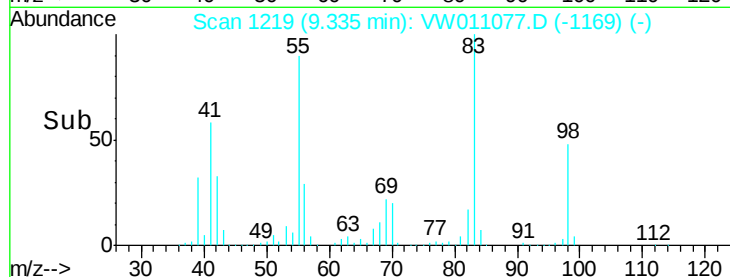
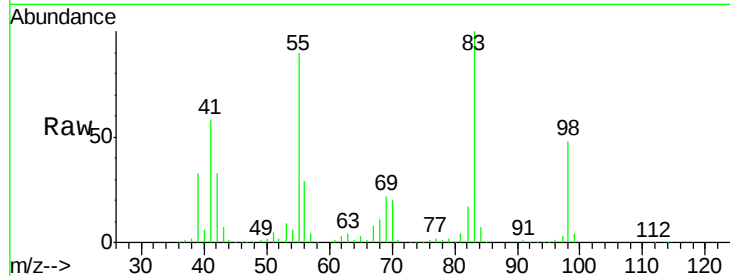
#39
Methvlcvclohexane
Concen: 22.540 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	83	Resp	103179
Ion Ratio	Lower	Upper	
83	100		
55	89.7	70.7	106.1
98	47.6	36.4	54.6

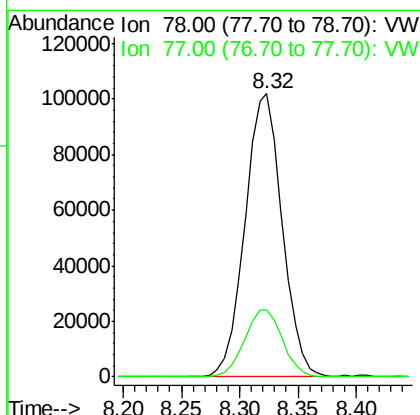
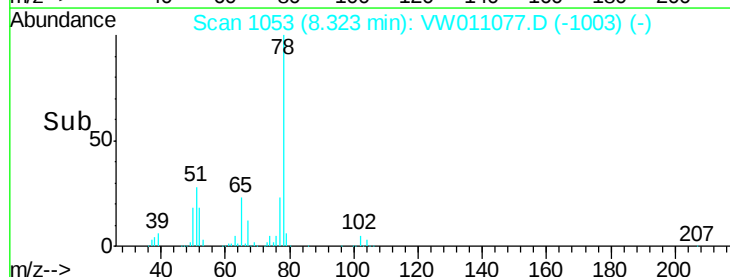
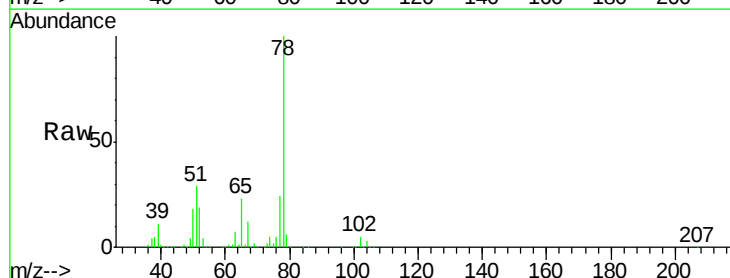
Manual Integrations
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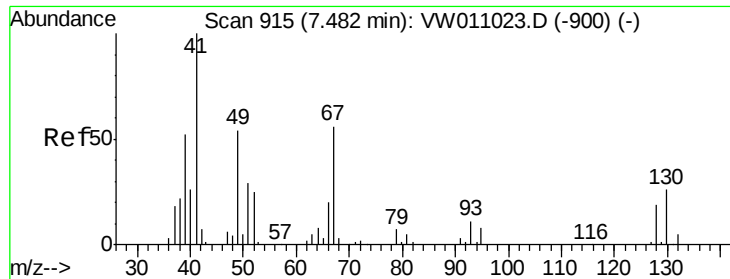
MMDadoda
7/2/2019 3:52:40 PM



#40
Benzene
Concen: 22.125 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	78	Resp	226357
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.7	29.5





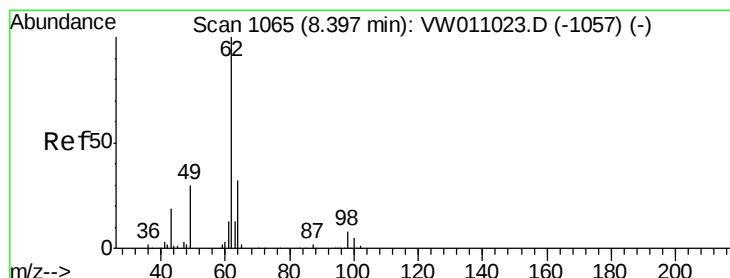
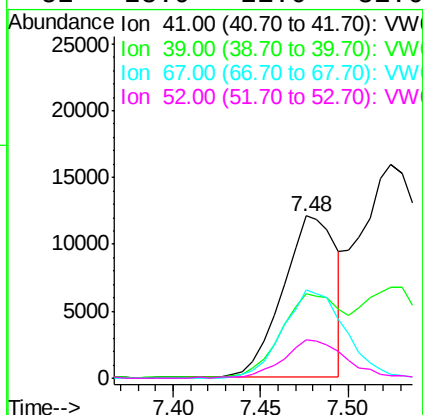
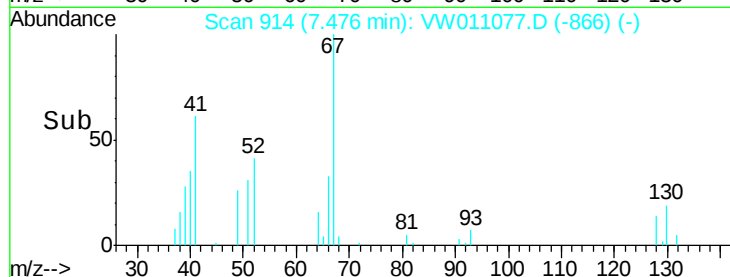
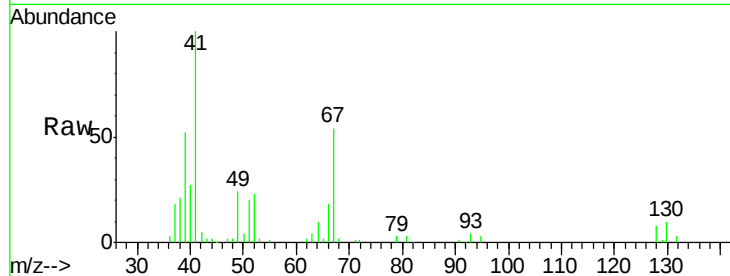
#41
Methacrylonitrile
Concen: 19.539 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.3	42.1	63.1
67	64.3	44.2	66.2
52	28.9	21.0	31.6

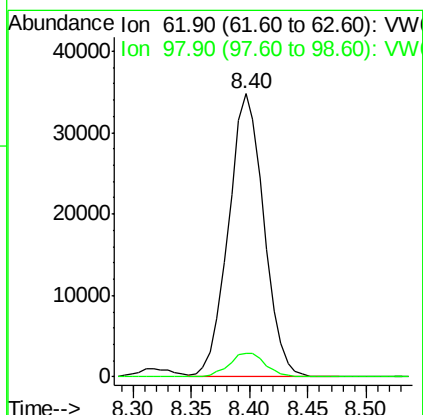
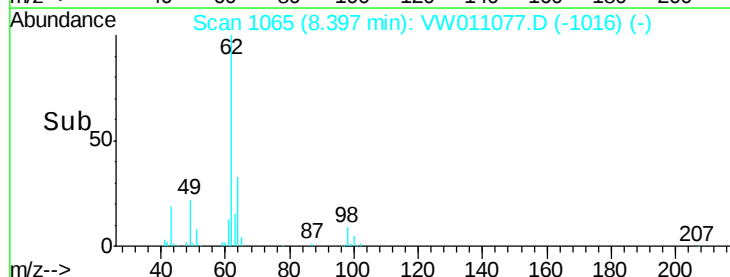
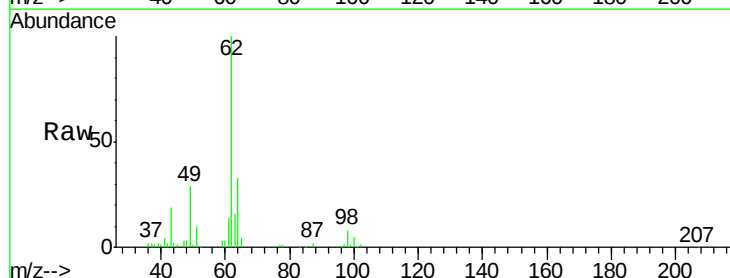
Manual Integrations
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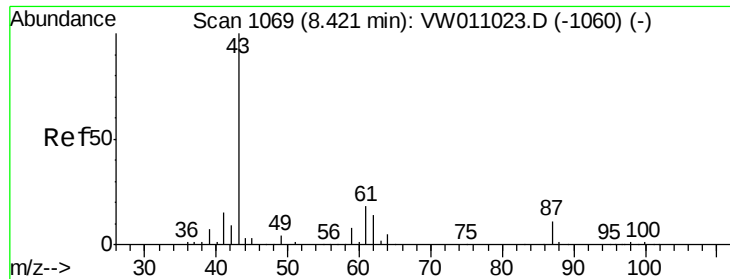
MMDadoda
7/2/2019 3:52:40 PM



#42
1,2-Dichloroethane
Concen: 22.022 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





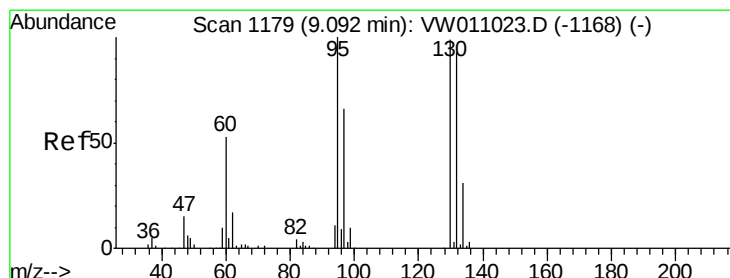
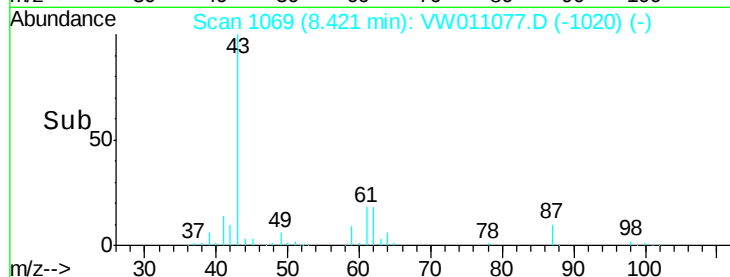
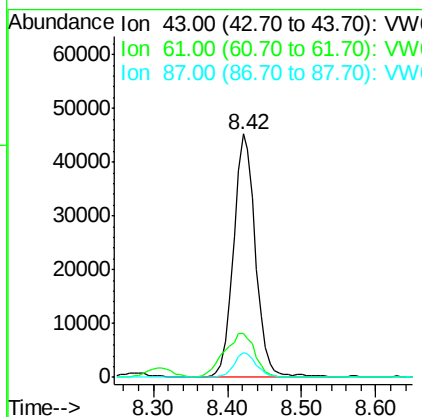
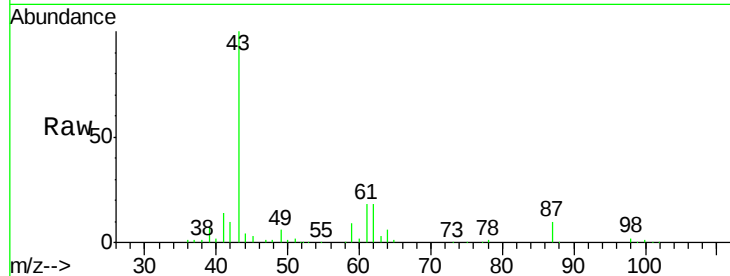
#43
Isopropyl Acetate
Concen: 22.687 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	21.0	31.6
87	10.4	8.2	12.4

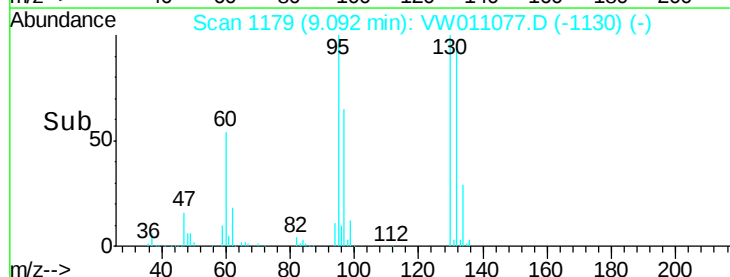
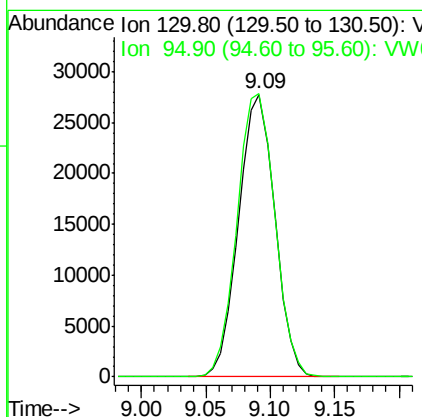
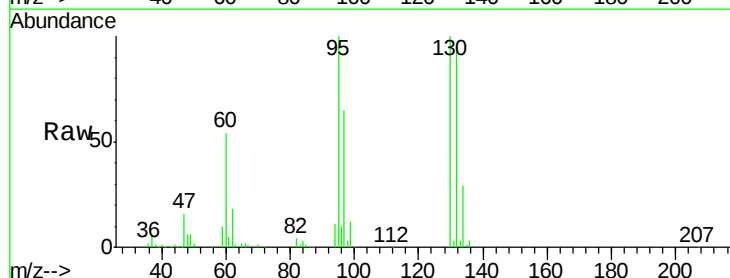
Manual Integrations
APPROVED

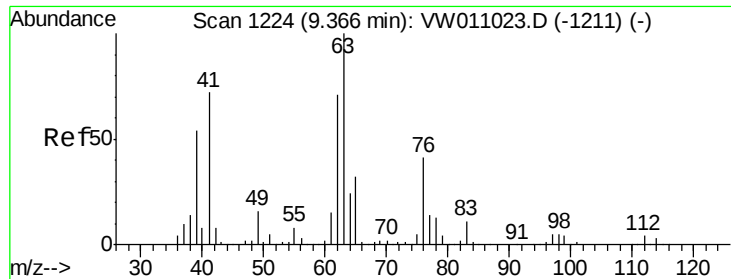
MMDadoda
7/2/2019 3:52:40 PM



#44
Trichloroethene
Concen: 21.940 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	202.0





#45

1,2-Dichloropropane

Concen: 22.075 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0701SBSD01

Tot Ion: 63 Resp: 61329

Ion Ratio Lower Upper

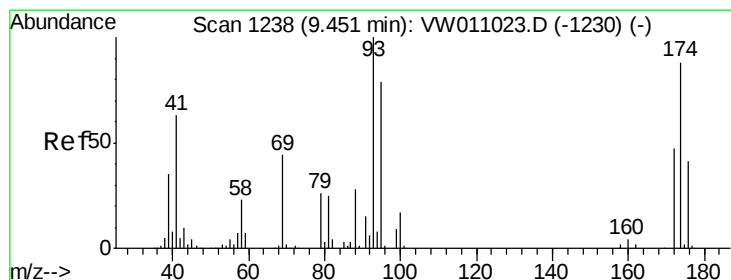
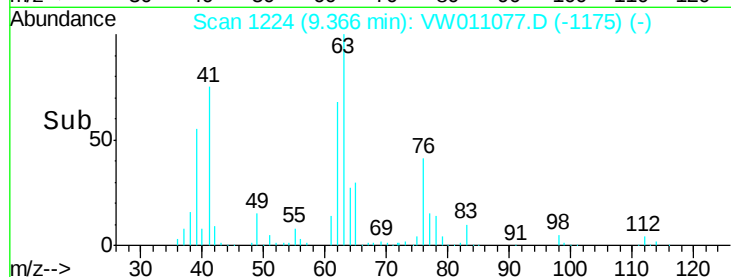
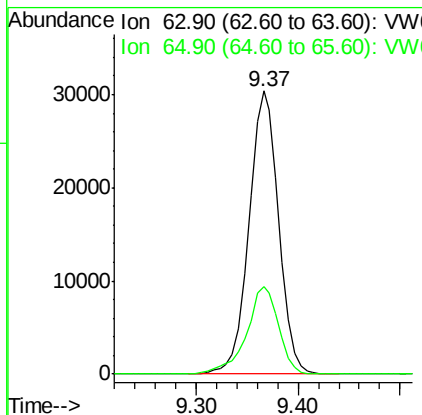
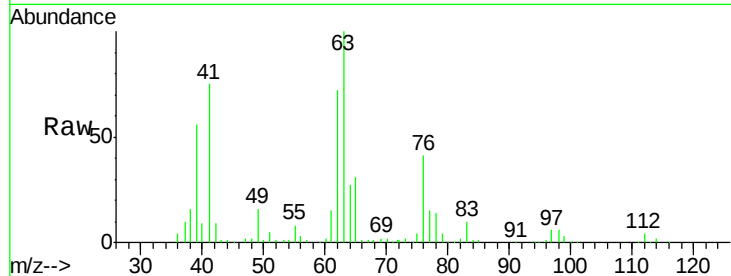
63 100

65 30.9 25.6 38.4

Manual Integrations
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#46

Dibromomethane

Concen: 21.713 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

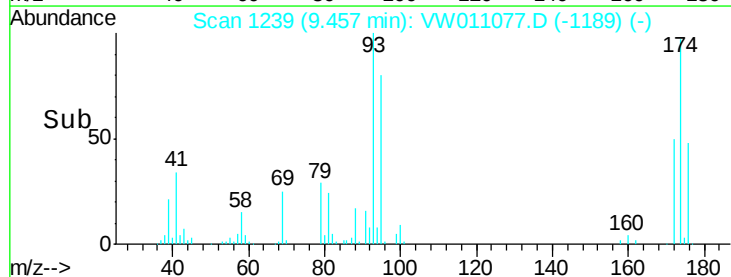
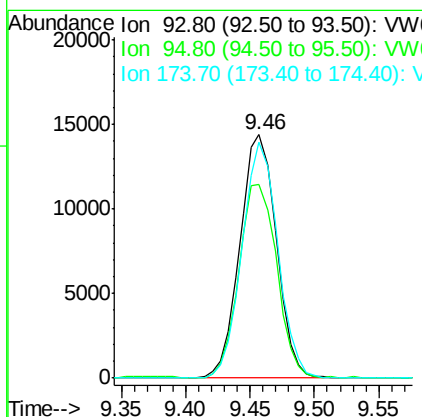
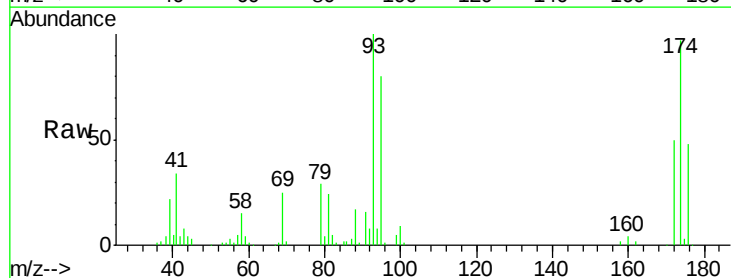
Tgt Ion: 93 Resp: 28212

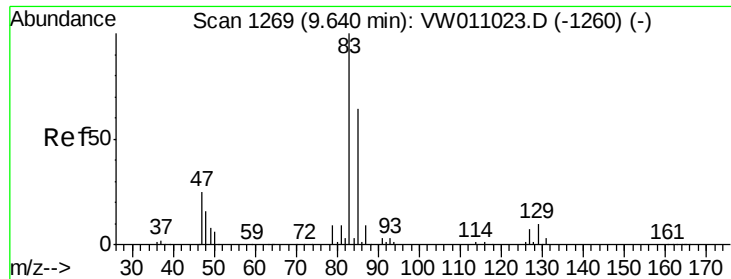
Ion Ratio Lower Upper

93 100

95 82.9 65.8 98.6

174 94.8 75.4 113.0





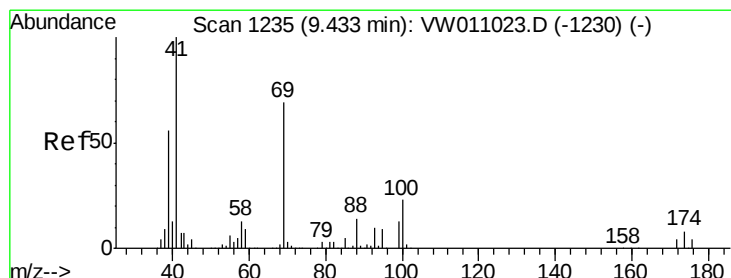
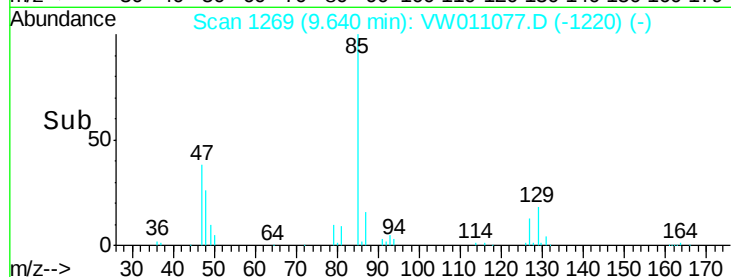
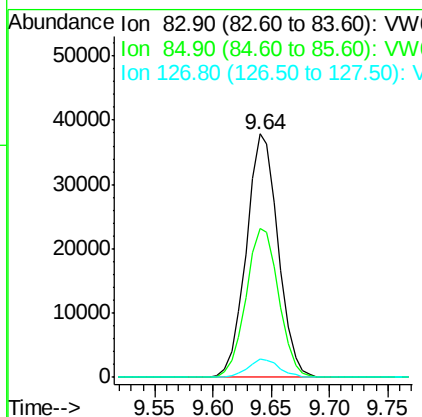
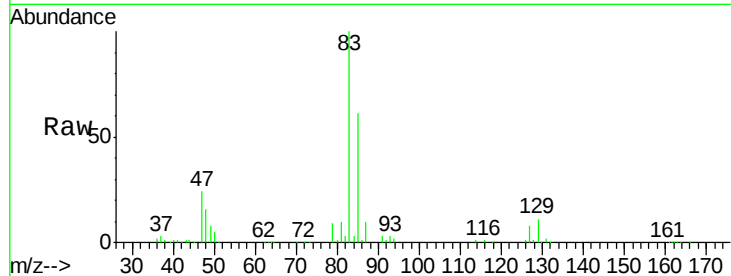
#47
Bromodichloromethane
Concen: 22.319 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	83	Resp	71799
Ion Ratio	100	Lower	Upper
83	100		
85	61.2	51.0	76.4
127	7.8	5.8	8.8

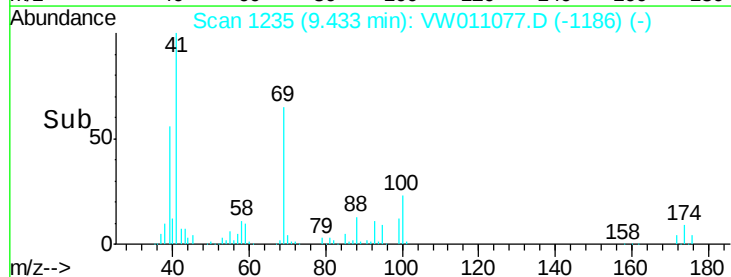
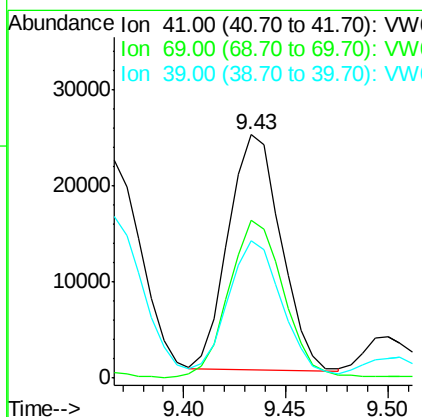
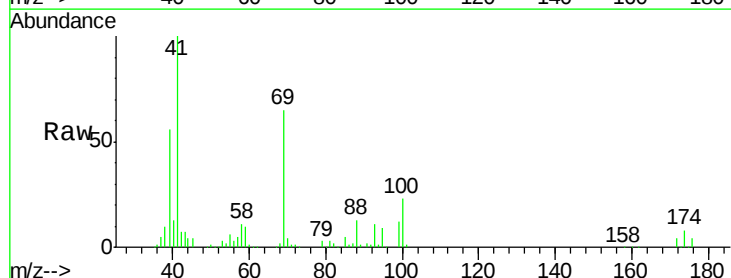
Manual Integrations
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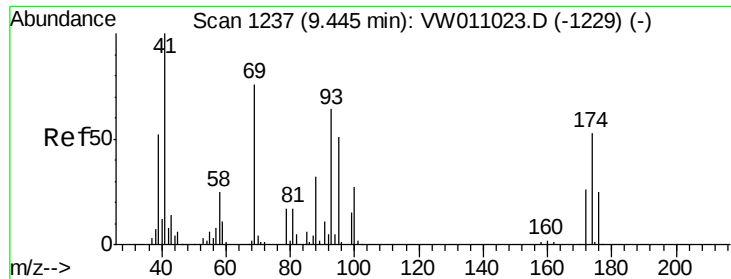
MMDadoda
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#48
Methyl methacrylate
Concen: 22.125 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	41	Resp	43915
Ion Ratio	100	Lower	Upper
41	100		
69	69.3	56.7	85.1
39	56.0	45.0	67.6





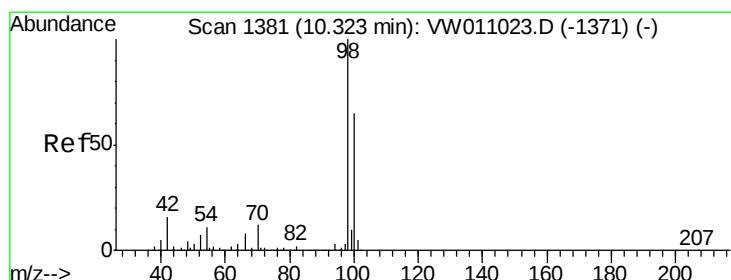
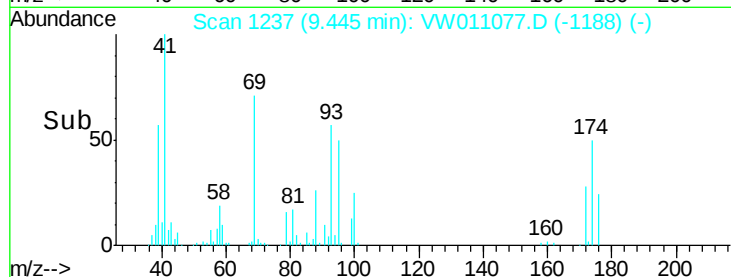
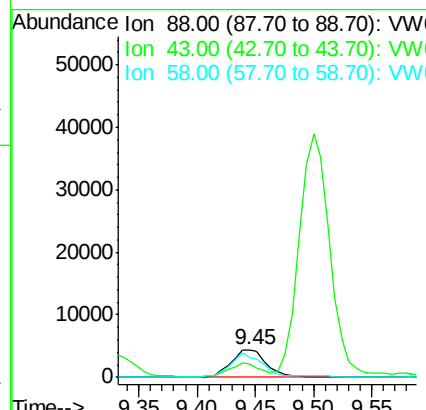
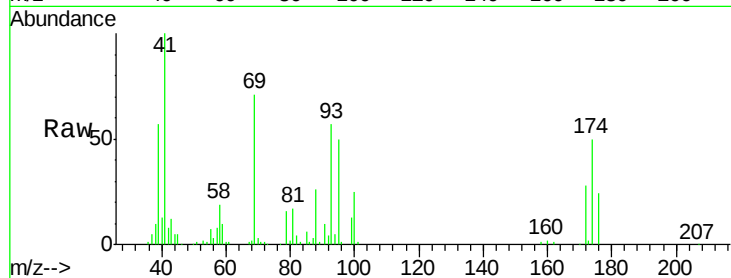
#49
1,4-Dioxane
Concen: 429.860 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	88	Resp	9391
Ion	Ratio	Lower	Upper
88	100		
43	47.7	34.4	51.6
58	79.8	65.2	97.8

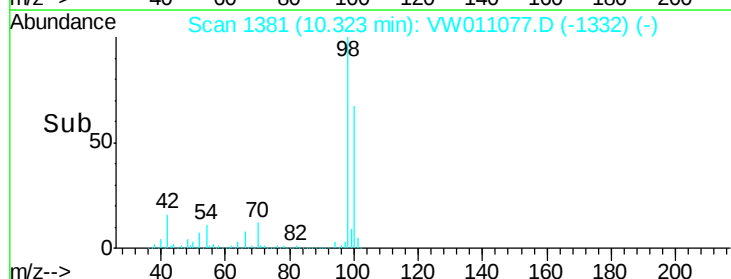
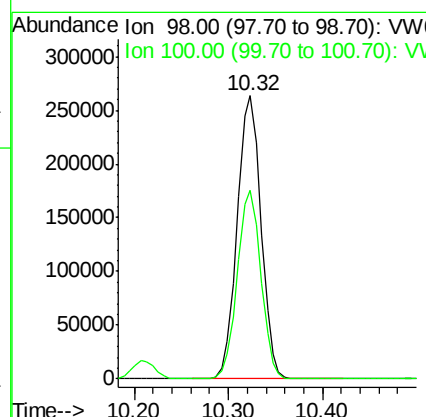
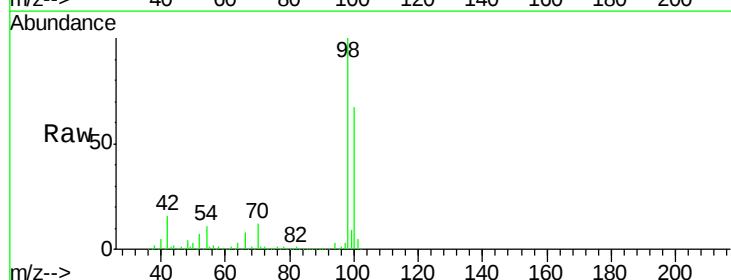
Manual Integrations
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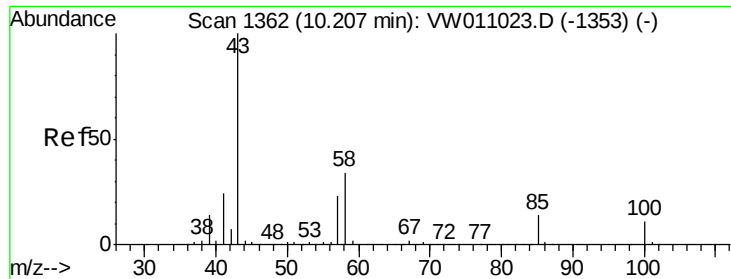
MMDadoda
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#50
Toluene-d8
Concen: 53.238 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	98	Resp	463100
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 112.161 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBS01

Tot Ion: 43 Resp: 241683

Ion Ratio Lower Upper

43 100

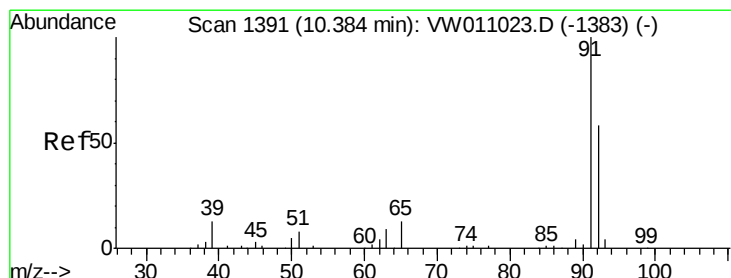
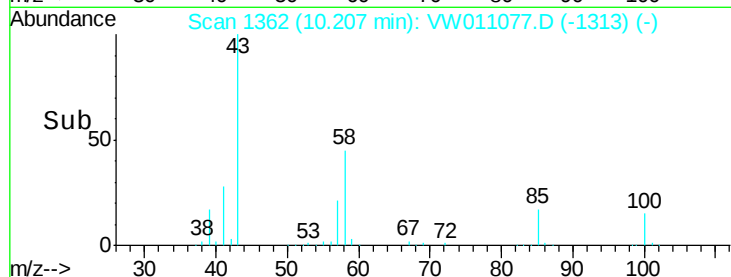
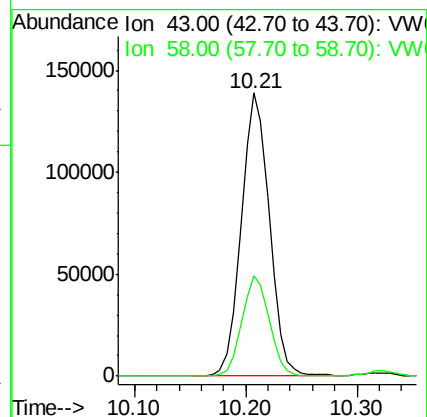
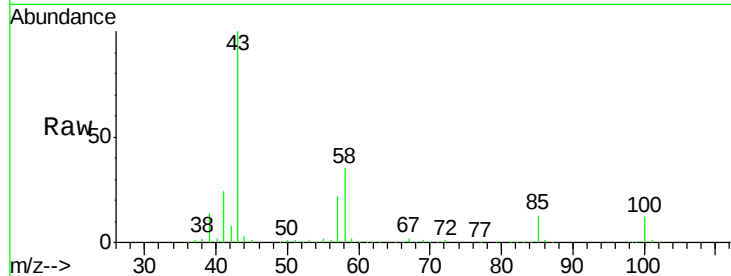
58 34.8 27.8 41.6

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#52

Toluene

Concen: 22.308 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW011077.D

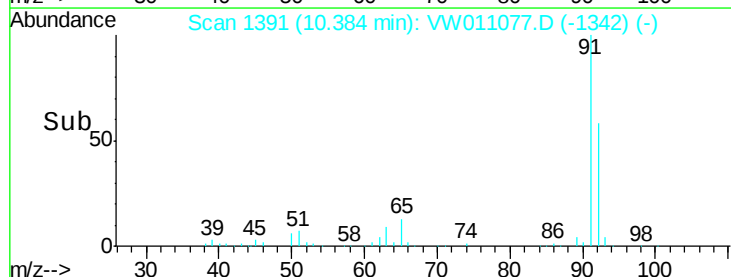
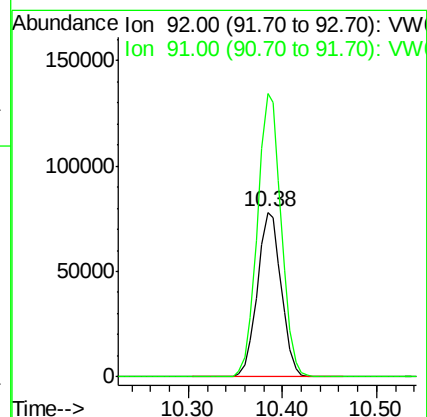
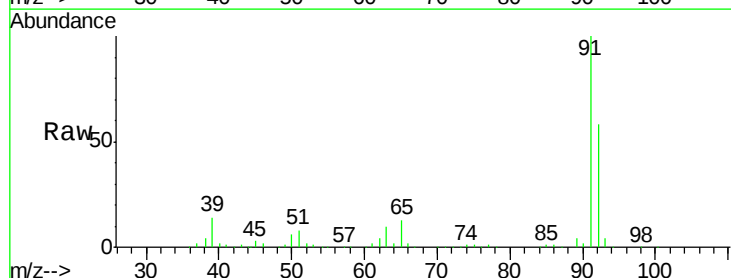
Acq: 01 Jul 2019 11:47

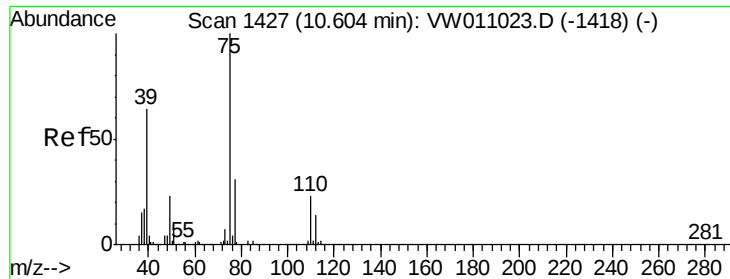
Tgt Ion: 92 Resp: 139724

Ion Ratio Lower Upper

92 100

91 171.6 136.9 205.3





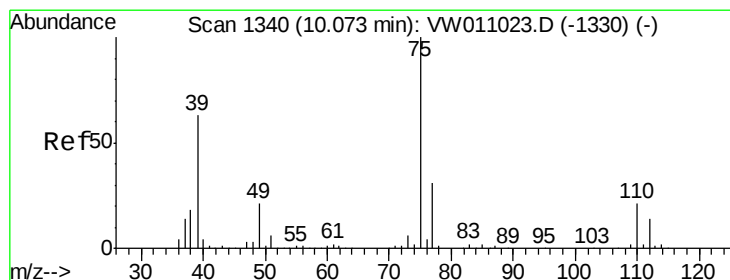
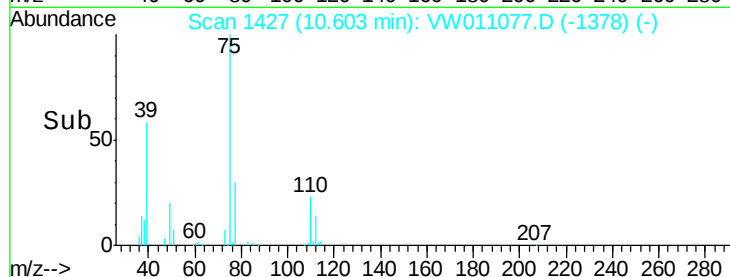
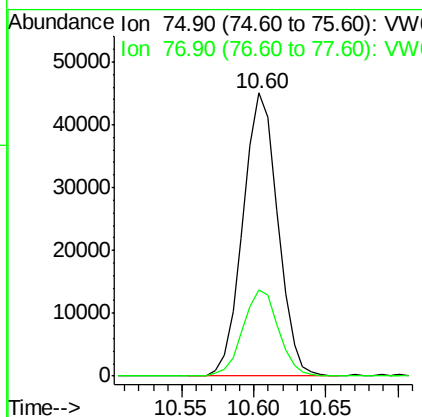
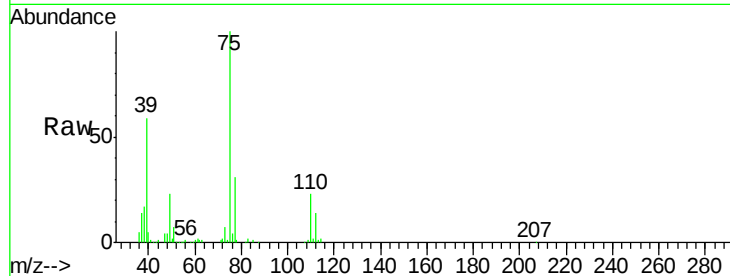
#53
t-1,3-Dichloropropene
Concen: 22.529 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion: 75 Resp: 75490
Ion Ratio Lower Upper
75 100
77 30.6 24.6 37.0

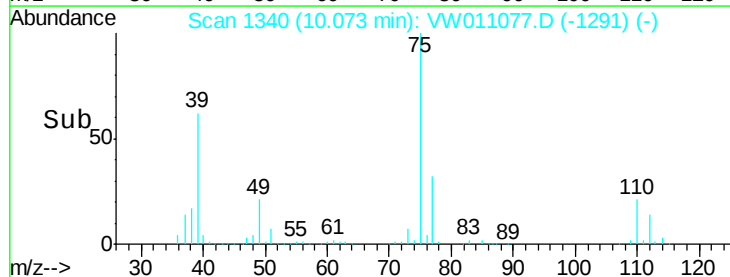
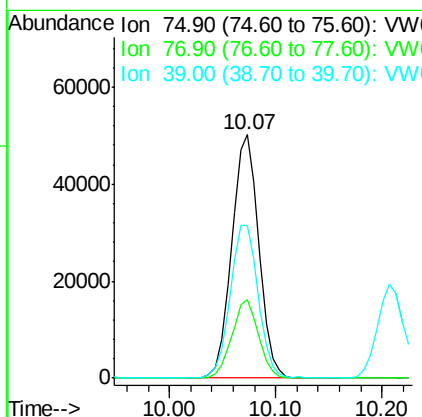
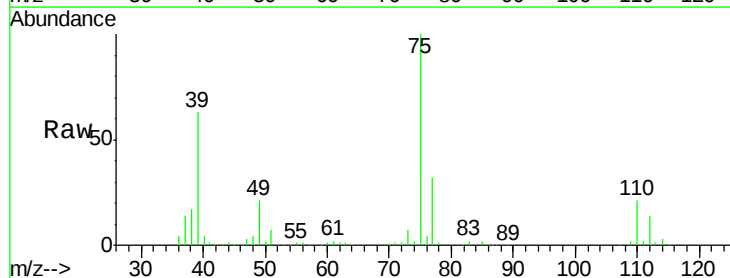
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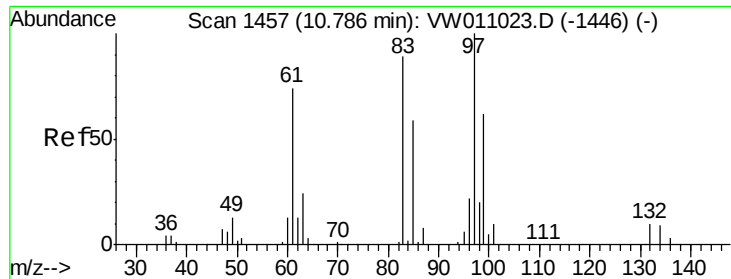
MMDadoda
7/2/2019 3:52:40 PM



#54
cis-1,3-Dichloropropene
Concen: 22.368 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion: 75 Resp: 89406
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 62.4 50.0 75.0





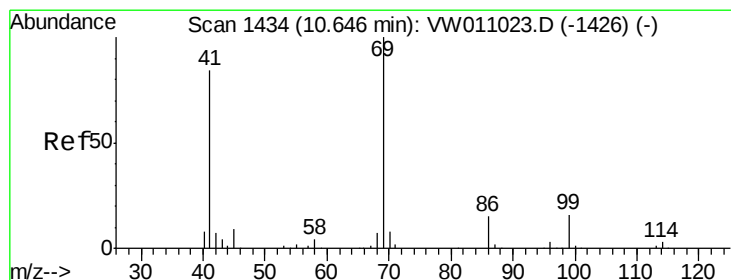
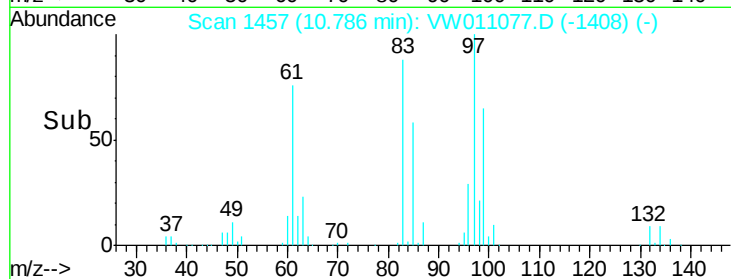
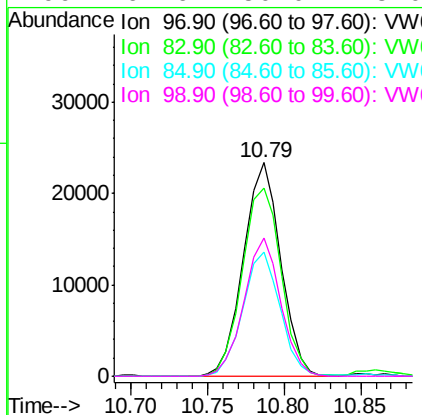
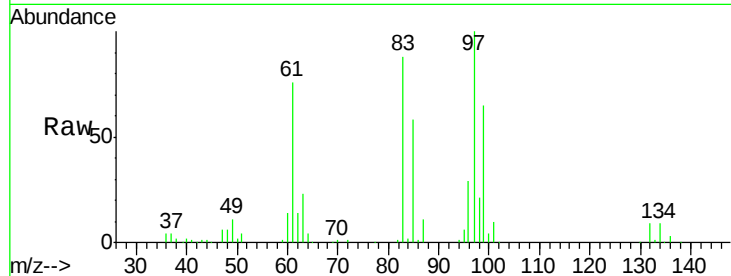
#55
 1,1,2-Trichloroethane
 Concen: 21.641 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBSD01

Tot Ion:	97	Resp:	39726
Ion	Ratio	Lower	Upper
97	100		
83	88.2	70.9	106.3
85	58.3	47.2	70.8
99	64.6	50.0	75.0

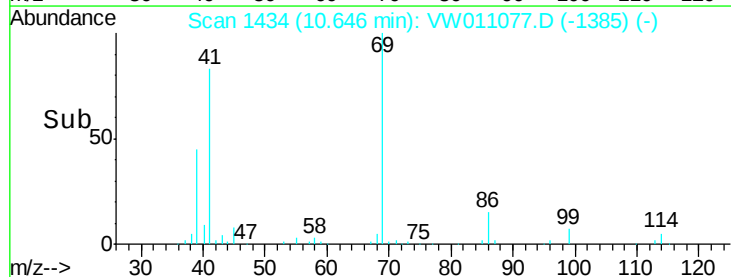
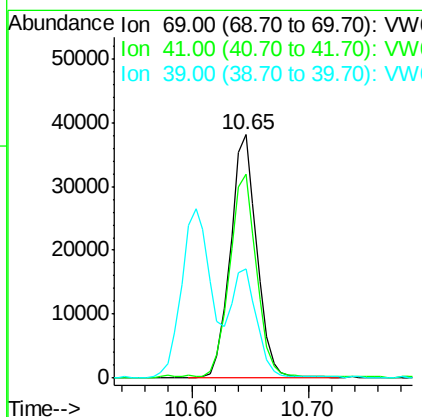
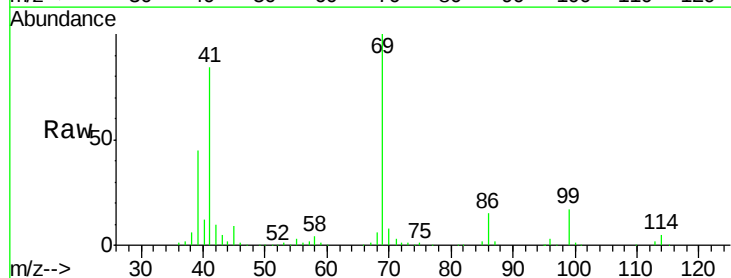
Manual Integrations
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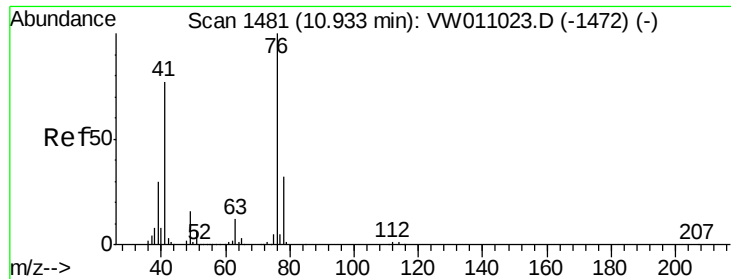
MMDadoda
 7/2/2019 3:52:40 PM



#56
 Ethyl methacrylate
 Concen: 21.889 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion:	69	Resp:	60171
Ion	Ratio	Lower	Upper
69	100		
41	84.0	67.9	101.9
39	41.4	33.2	49.8





#57

1,3-Dichloropropane

Concen: 21.942 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 76 Resp: 76617

Ion Ratio Lower Upper

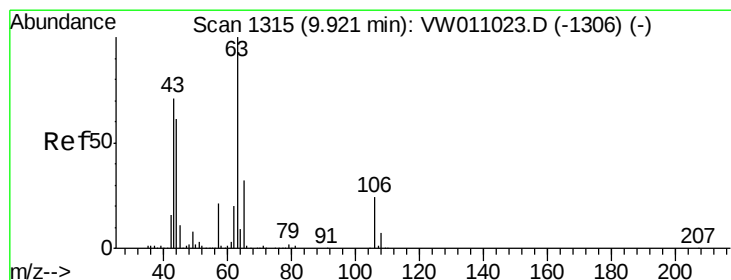
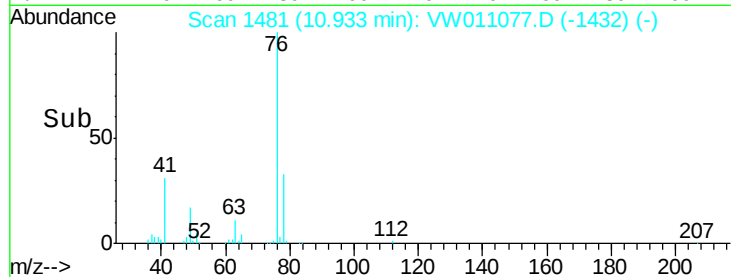
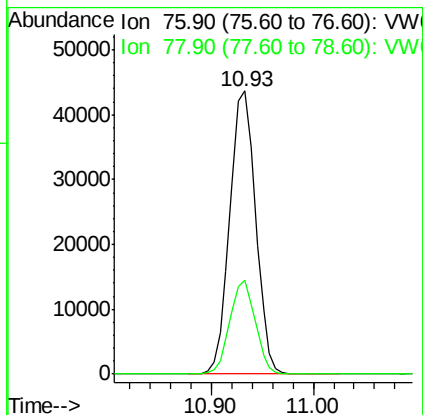
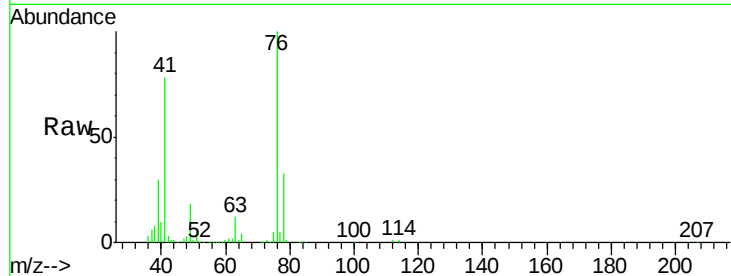
76 100

78 32.5 25.8 38.6

Manual Integrations
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7/2/2019 3:52:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 96.997 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW011077.D

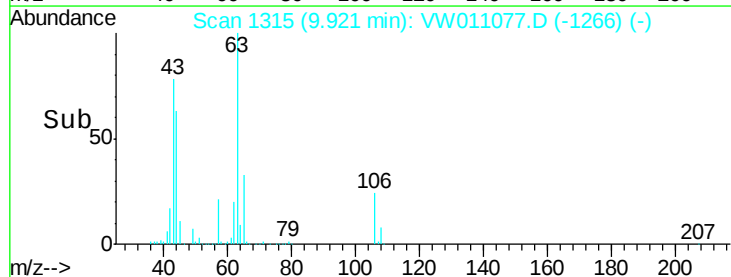
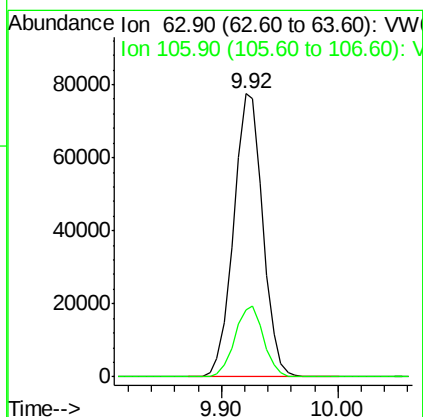
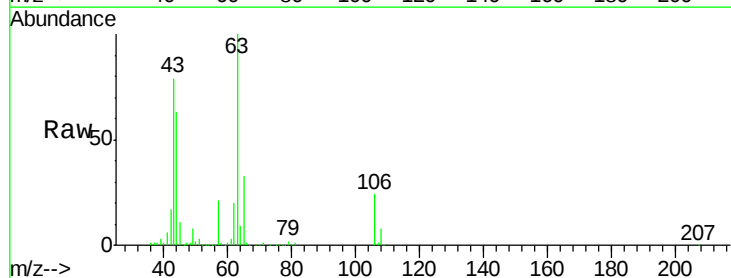
Acq: 01 Jul 2019 11:47

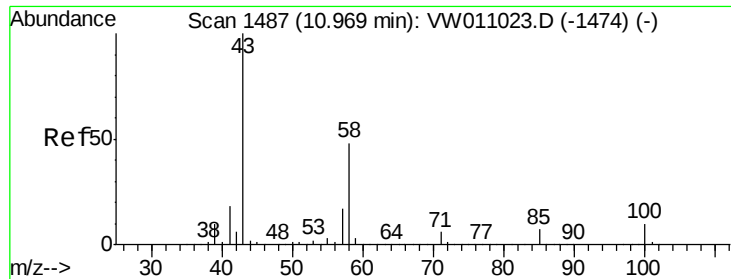
Tgt Ion: 63 Resp: 134908

Ion Ratio Lower Upper

63 100

106 24.7 19.4 29.0





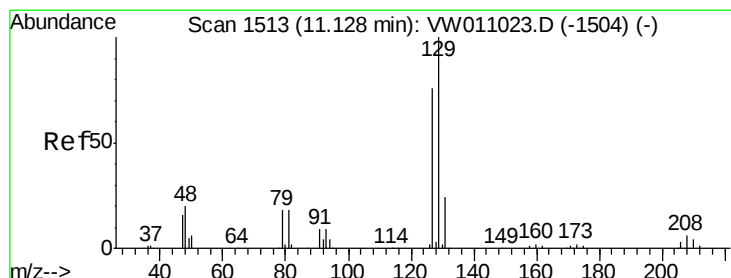
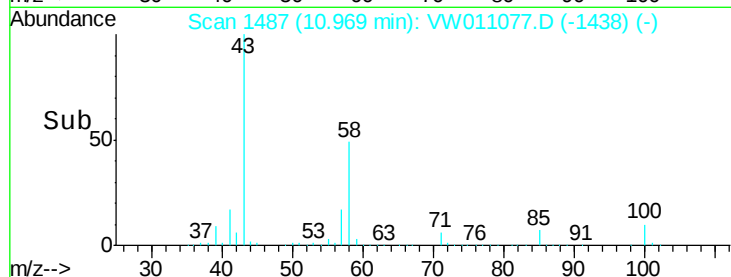
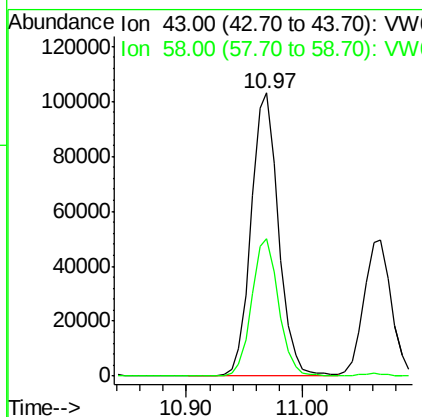
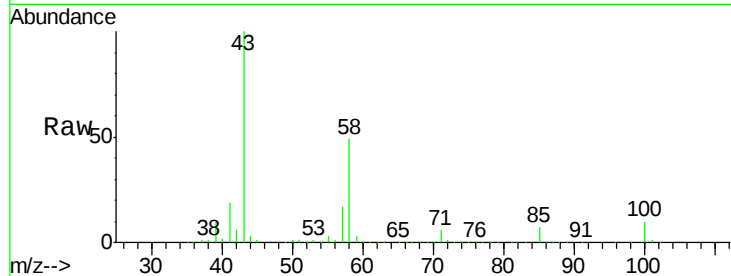
#59
2-Hexanone
Concen: 112.423 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 43 Resp: 168936
Ion Ratio Lower Upper
43 100
58 47.9 23.8 71.5

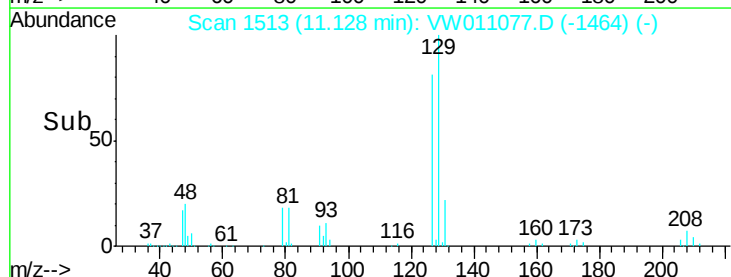
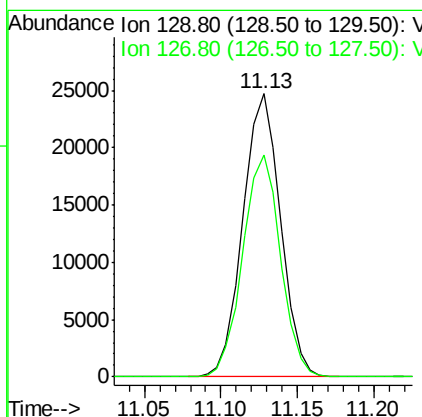
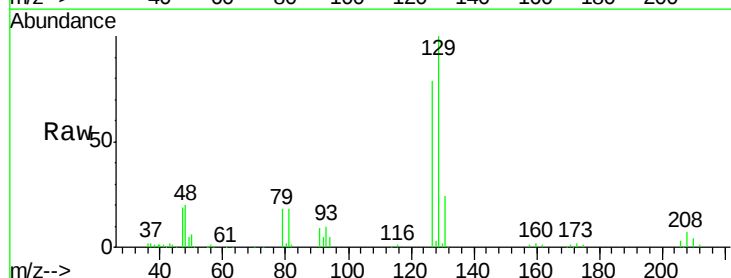
Manual Integrations
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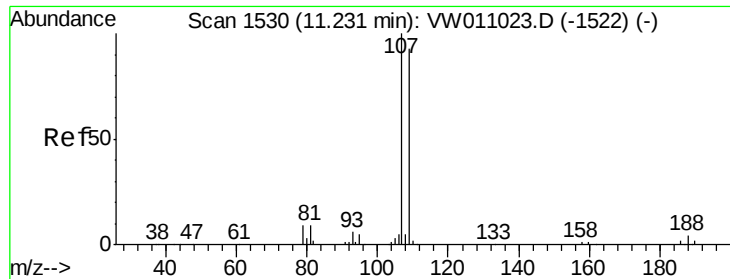
MMDadoda
7/2/2019 3:52:40 PM



#60
Dibromochloromethane
Concen: 22.042 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion: 129 Resp: 42431
Ion Ratio Lower Upper
129 100
127 78.5 39.4 118.1





#61

1,2-Dibromoethane

Concen: 22.096 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion: 107 Resp: 37972

Ion Ratio Lower Upper

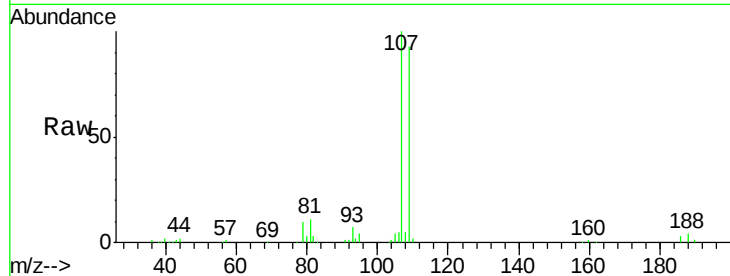
107 100

109 93.9 75.1 112.7

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

20000

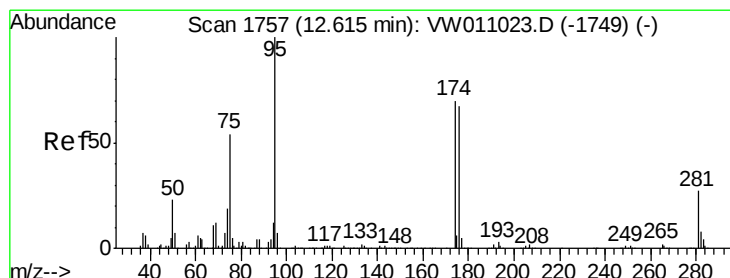
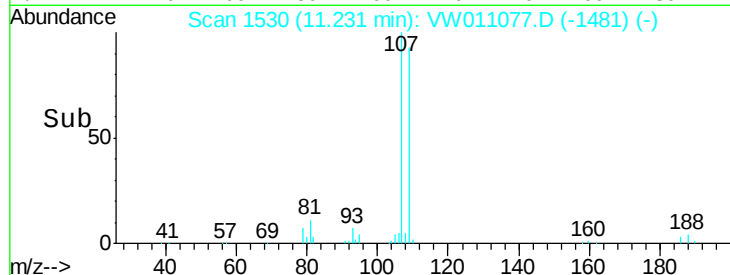
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.864 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

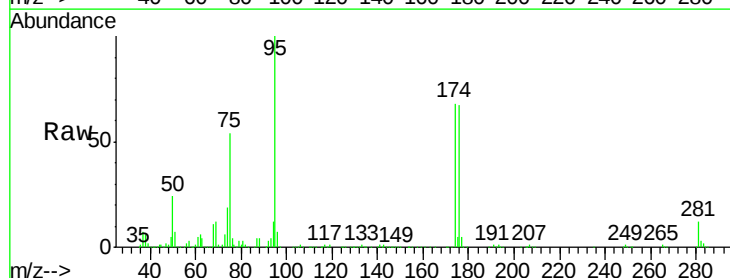
Tgt Ion: 95 Resp: 168189

Ion Ratio Lower Upper

95 100

174 73.2 0.0 149.2

176 71.4 0.0 143.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

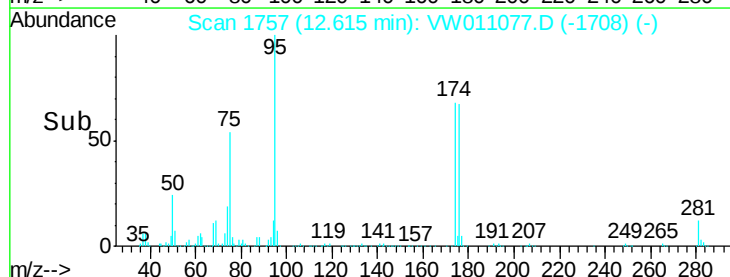
12.62

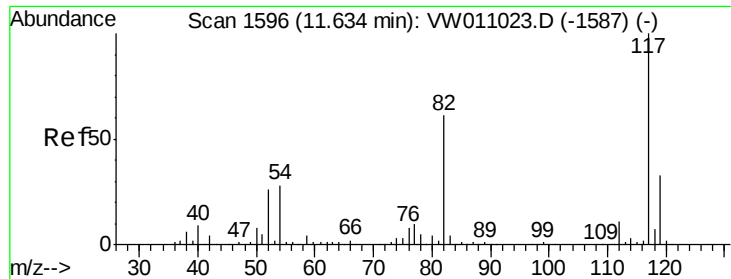
100000

50000

0

Time-->





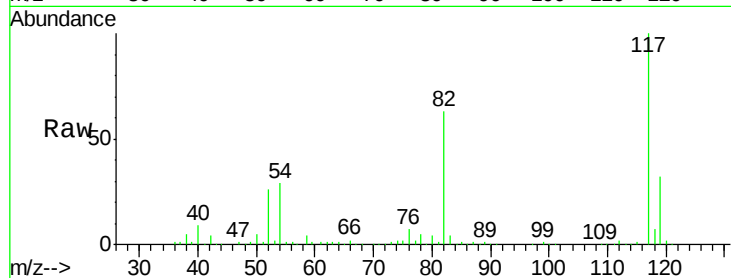
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.1	48.6	73.0
119	32.0	26.1	39.1

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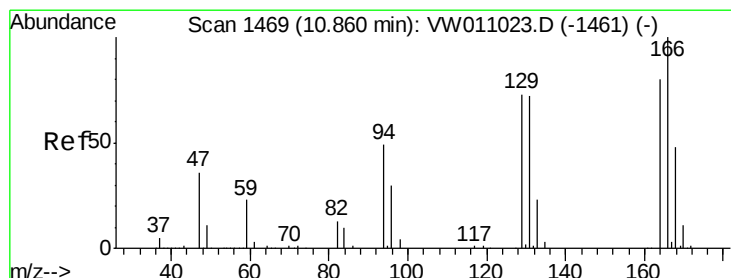
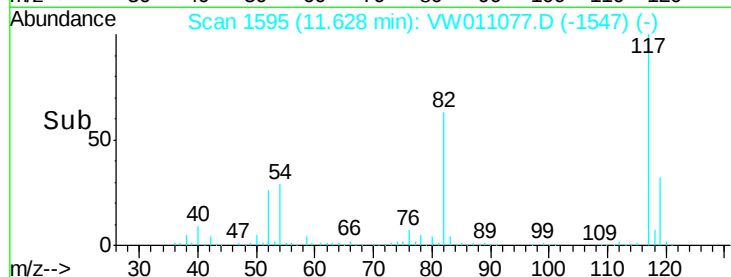
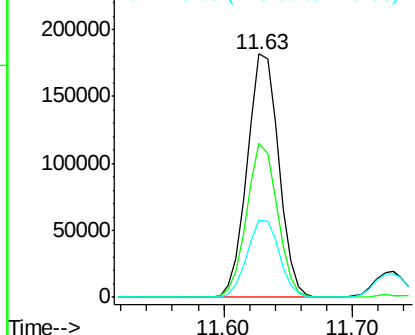


Abundance

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: 21.671 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	99.8	149.6
129	93.9	73.0	109.4
131	90.3	71.4	107.0

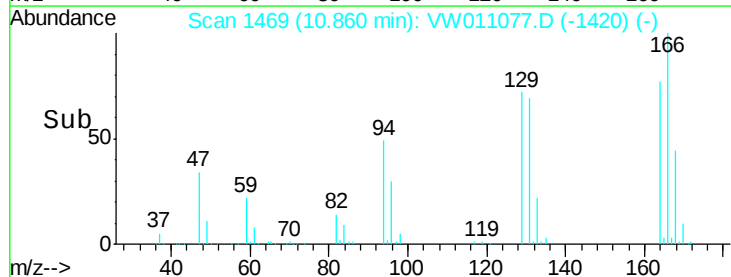
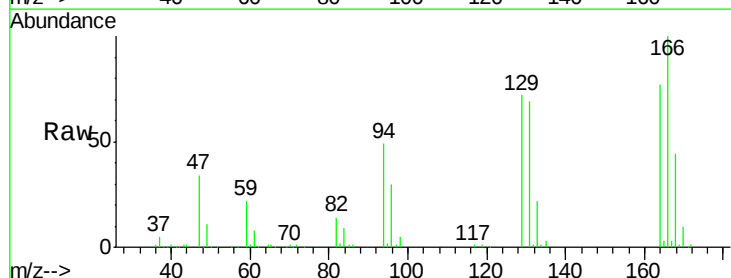
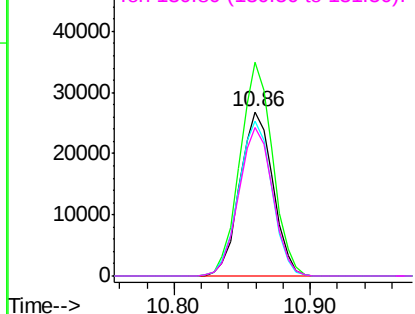
Abundance

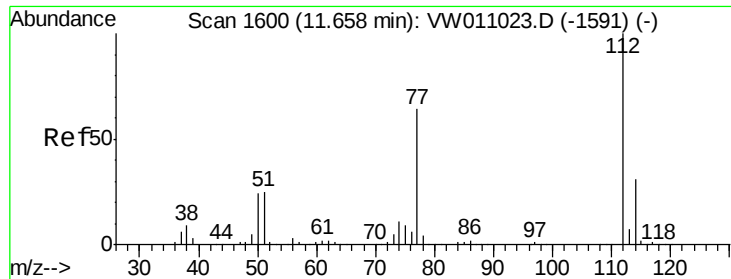
Ion 163.80 (163.50 to 164.50): V

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





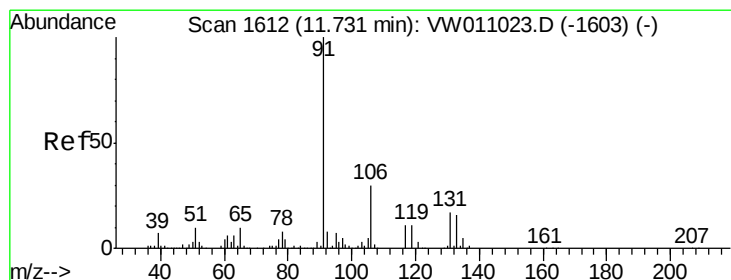
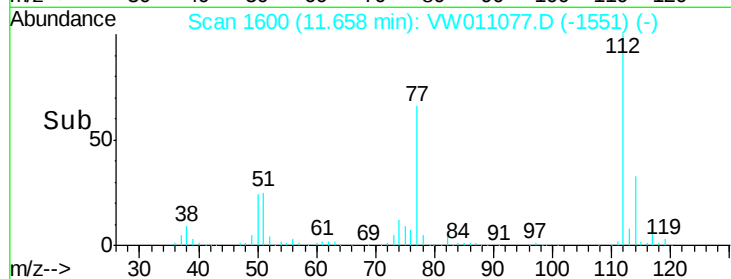
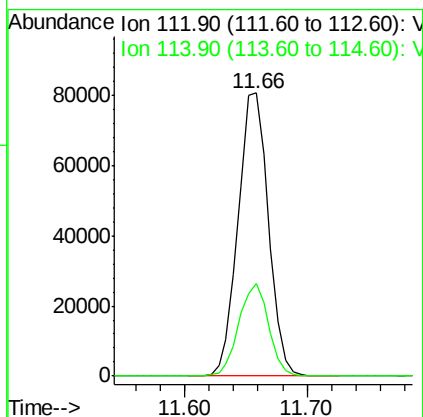
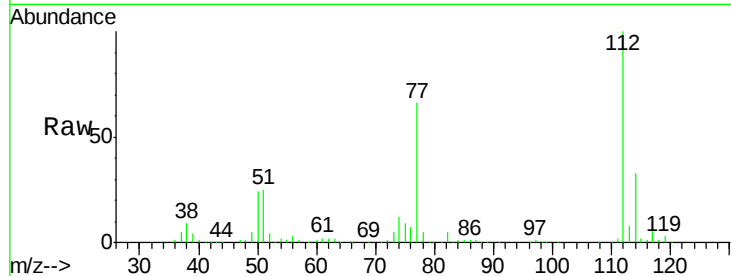
#65
Chlorobenzene
Concen: 22.078 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion:112 Resp: 138719
Ion Ratio Lower Upper
112 100
114 32.6 25.2 37.8

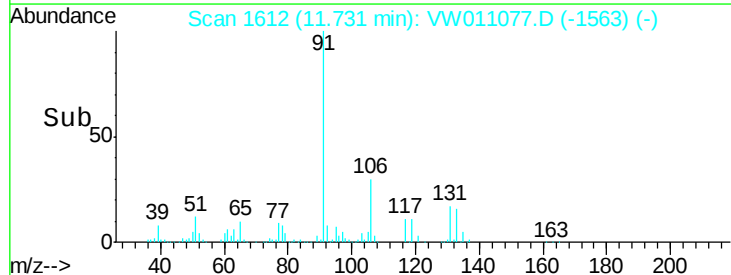
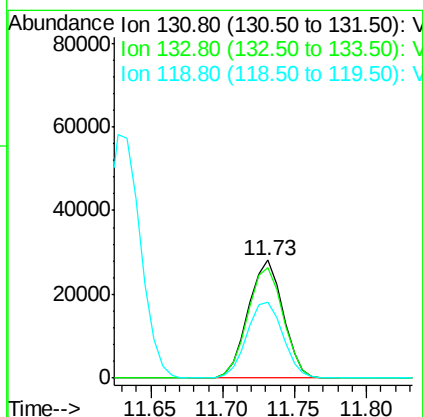
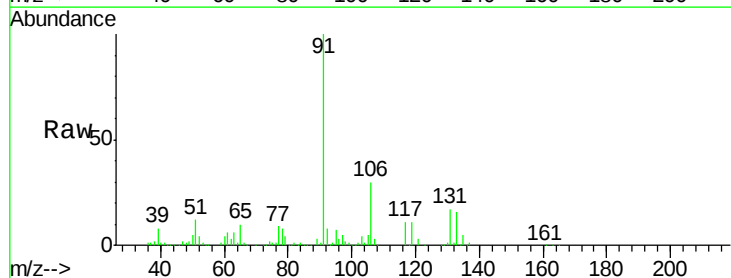
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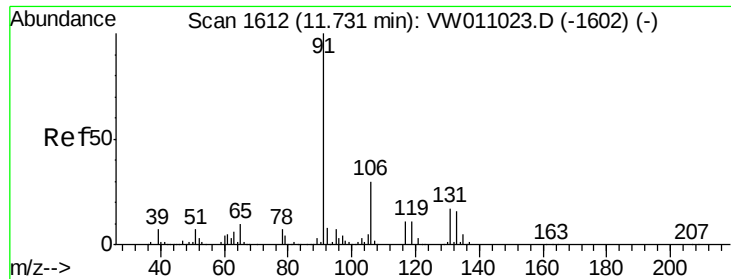
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.143 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion:131 Resp: 47238
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 66.4 33.1 99.2





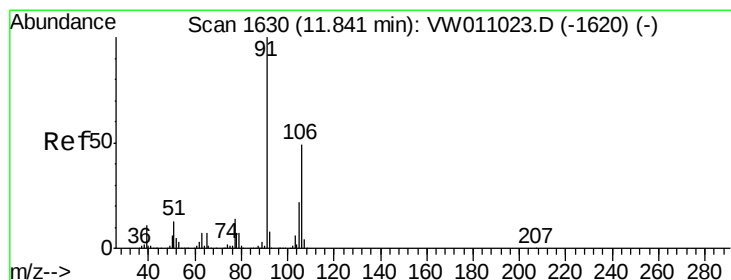
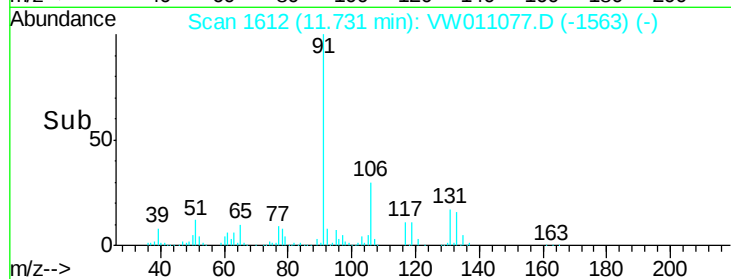
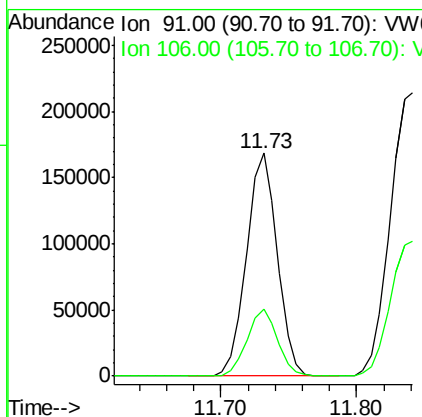
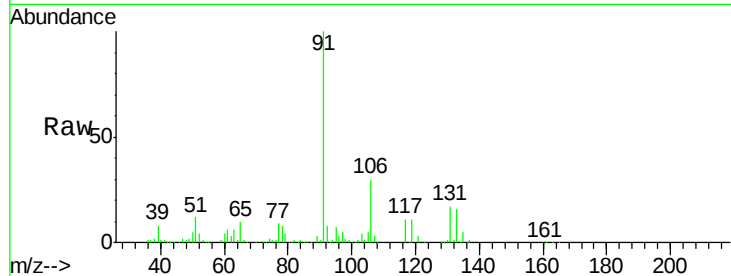
#67
Ethyl Benzene
Concen: 22.242 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion: 91 Resp: 267673
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

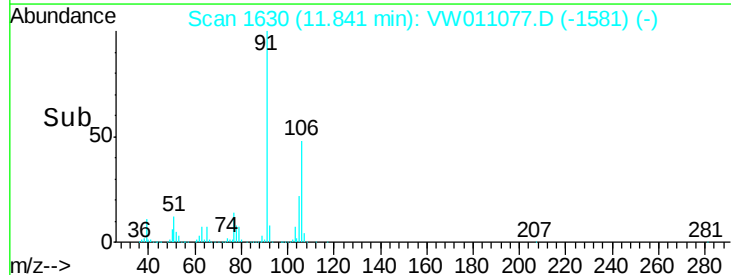
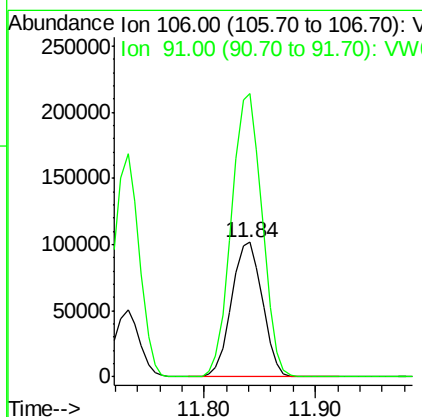
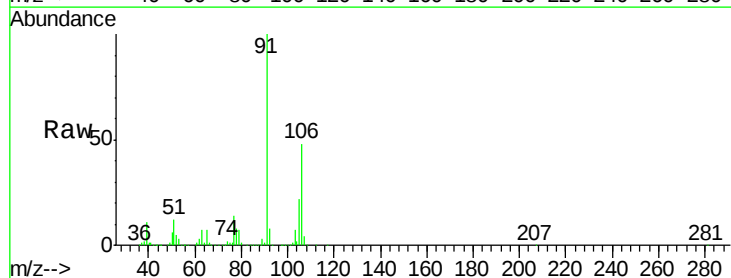
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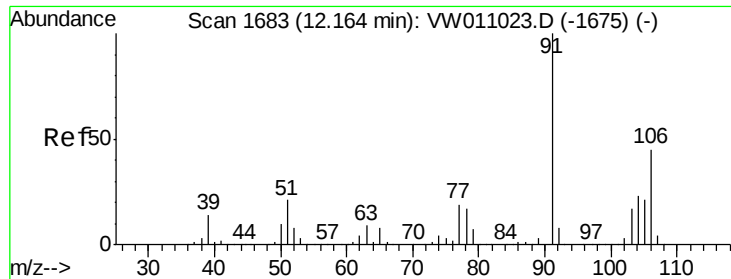
MMDadoda
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#68
m/p-Xylenes
Concen: 44.741 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion: 106 Resp: 195375
Ion Ratio Lower Upper
106 100
91 208.6 167.5 251.3





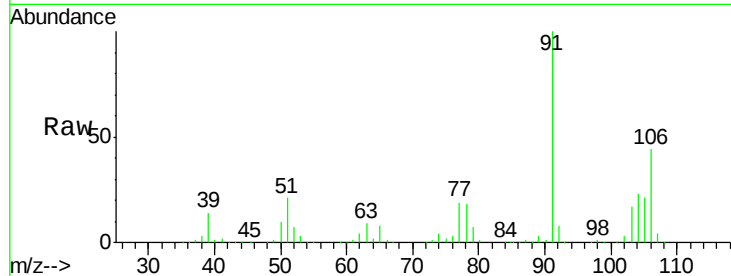
#69
o-Xylene
Concen: 22.057 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

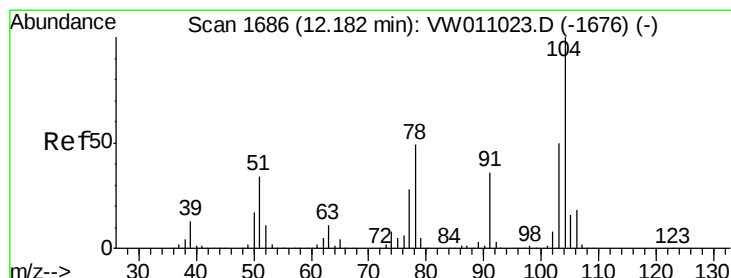
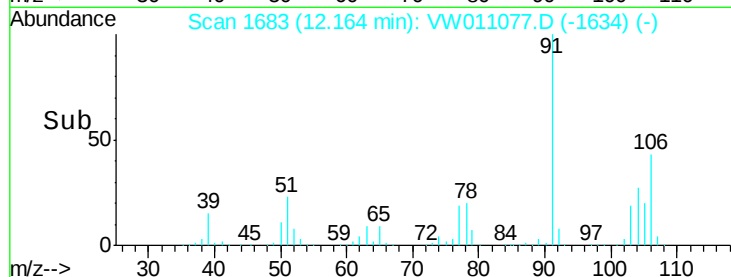
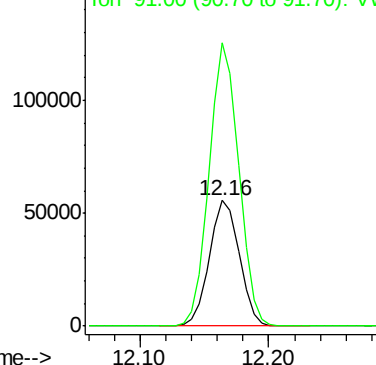
Tot Ion:106 Resp: 89716
Ion Ratio Lower Upper
106 100
91 222.6 110.8 332.3

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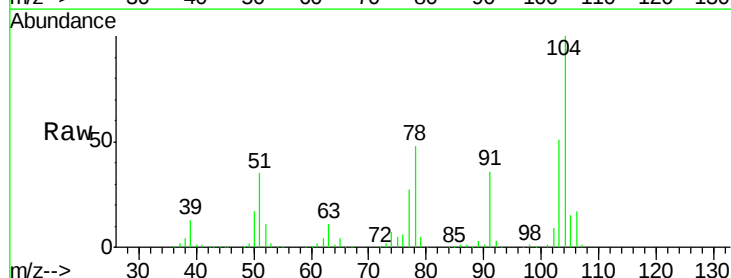


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

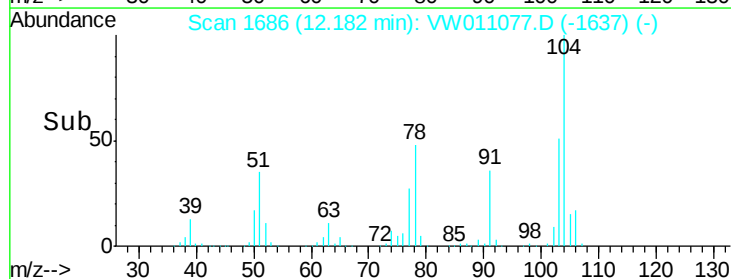
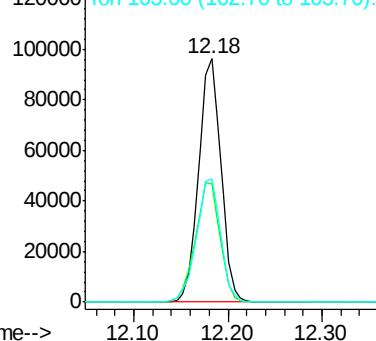


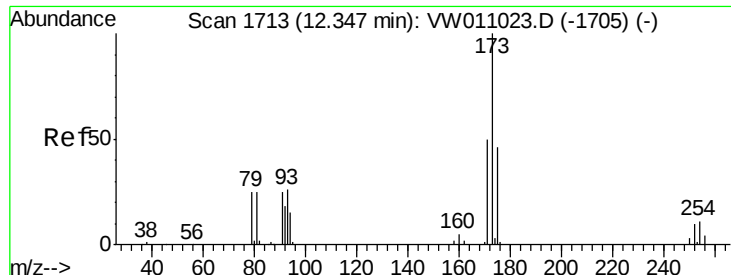
#70
Styrene
Concen: 22.399 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion:104 Resp: 158311
Ion Ratio Lower Upper
104 100
78 54.1 43.7 65.5
103 54.7 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.600 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampleId :

VW0701SBSD01

Tot Ion:173 Resp: 23504

Ion Ratio Lower Upper

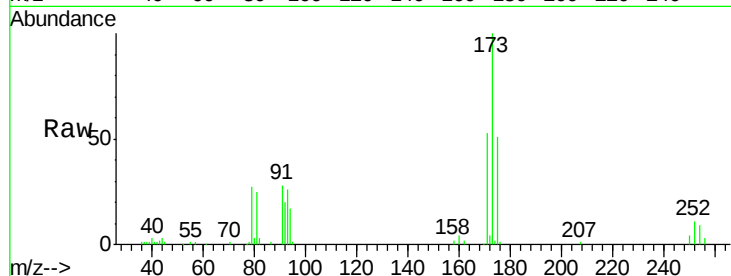
173 100

175 48.8 24.1 72.2

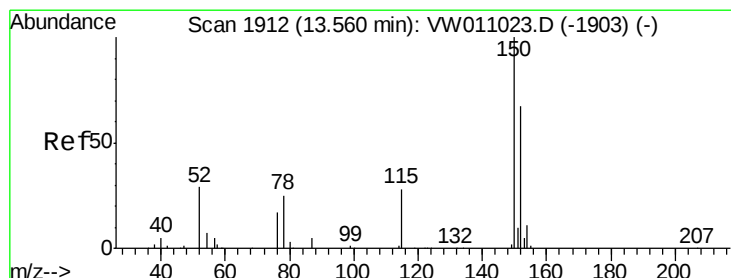
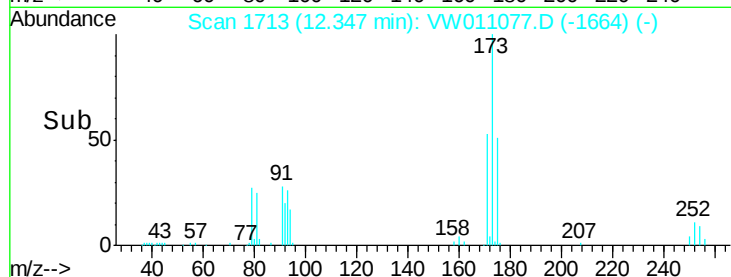
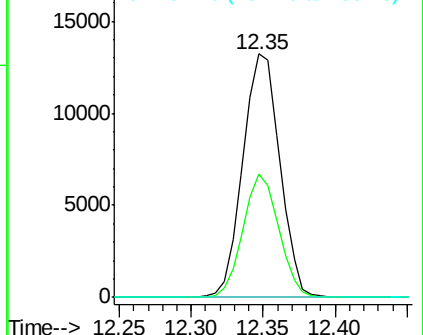
254 0.0 0.0 0.0

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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: VW011077.D

Acq: 01 Jul 2019 11:47

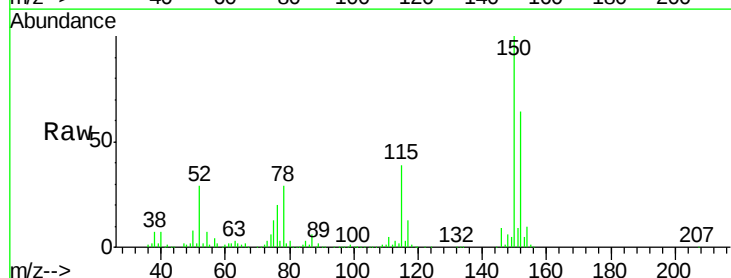
Tgt Ion:152 Resp: 151393

Ion Ratio Lower Upper

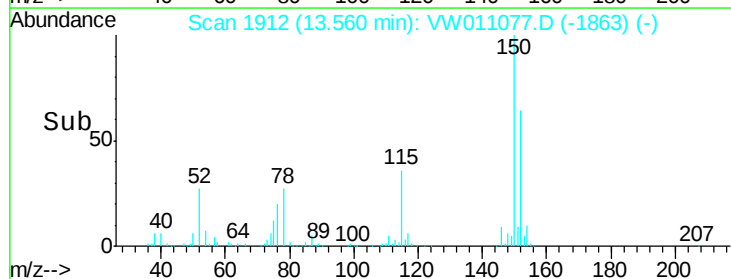
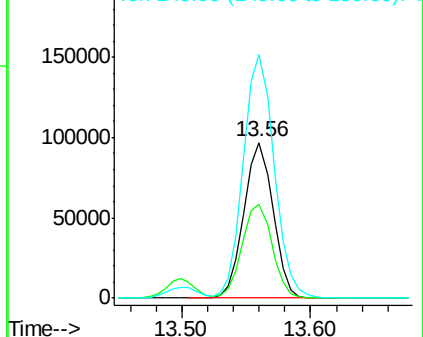
152 100

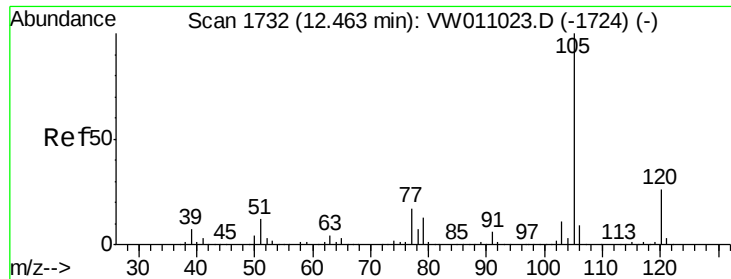
115 61.8 30.7 92.1

150 165.7 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: 22.423 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0701SBS01

Tot Ion: 105 Resp: 254309

Ion Ratio Lower Upper

105 100

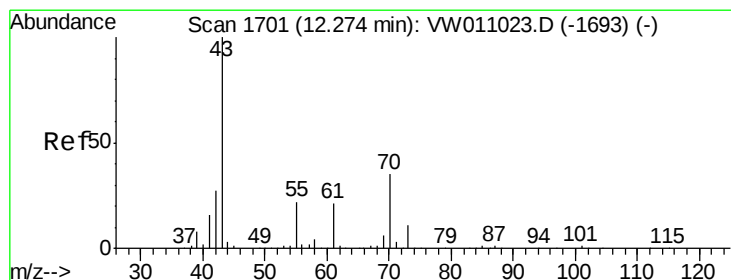
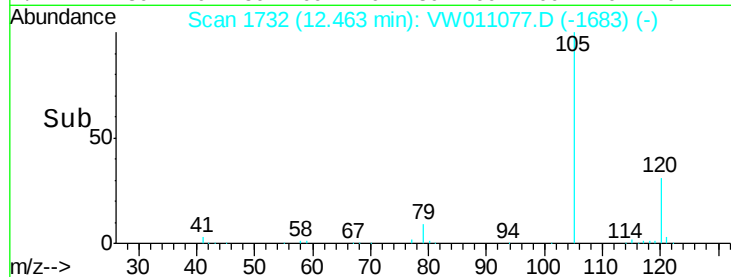
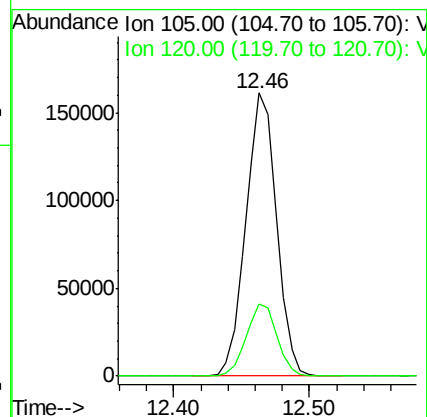
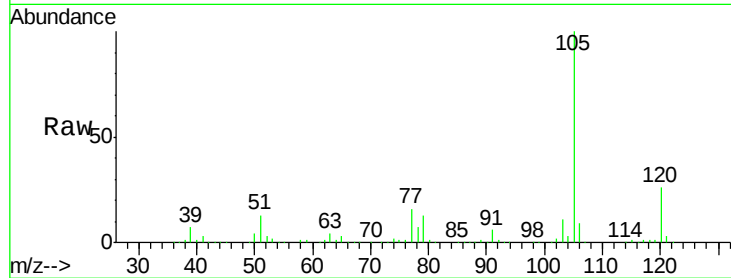
120 25.7 12.9 38.6

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#74

N-ethyl acetate

Concen: 23.030 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Tgt Ion: 43 Resp: 87720

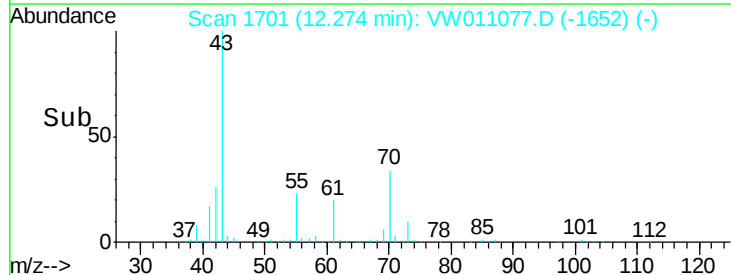
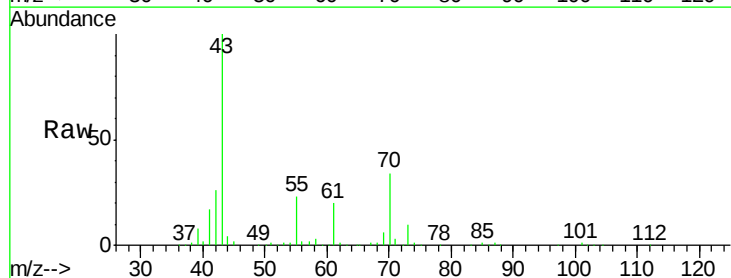
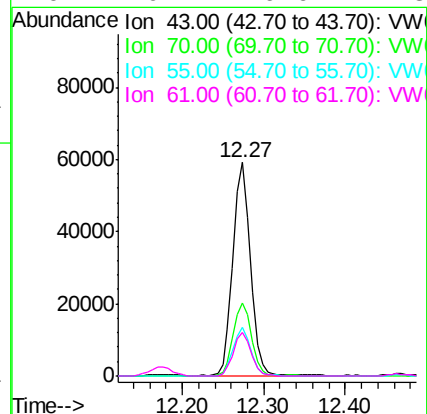
Ion Ratio Lower Upper

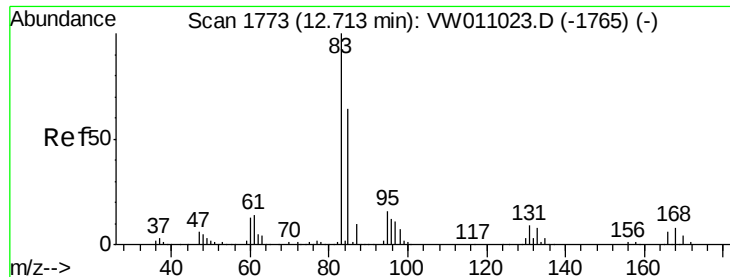
43 100

70 35.5 28.2 42.4

55 23.1 17.8 26.8

61 20.7 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.480 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

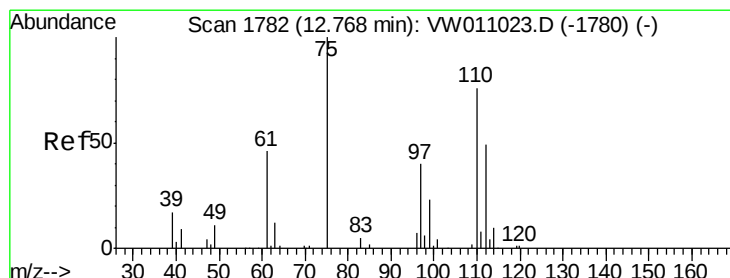
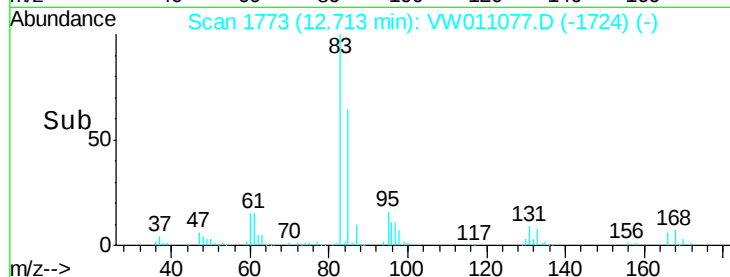
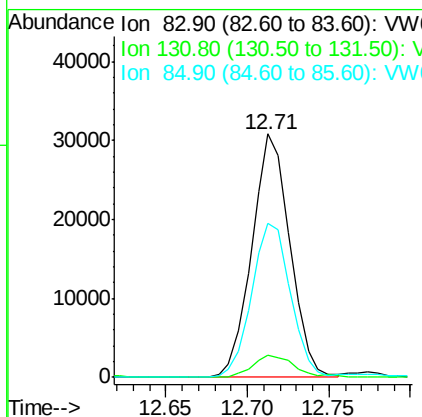
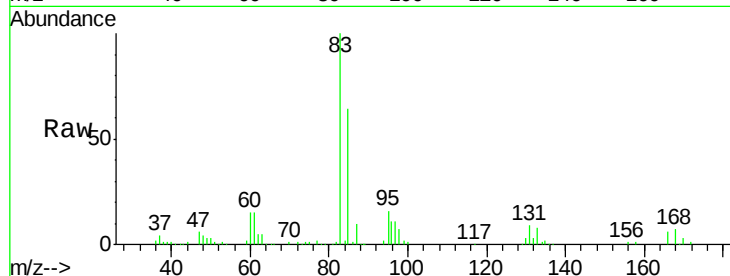
ClientSampleId :

VW0701SBSD01

Tot Ion:	83	Resp:	50066
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 26.727 ug/l m

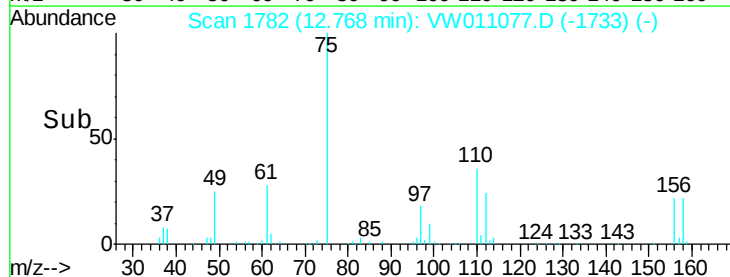
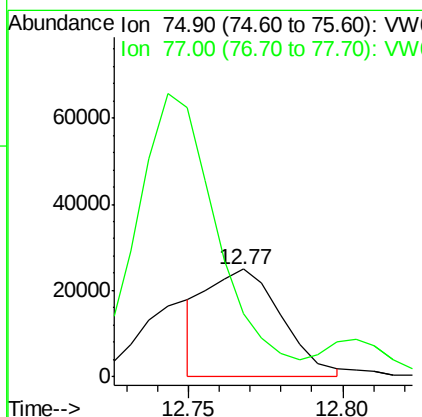
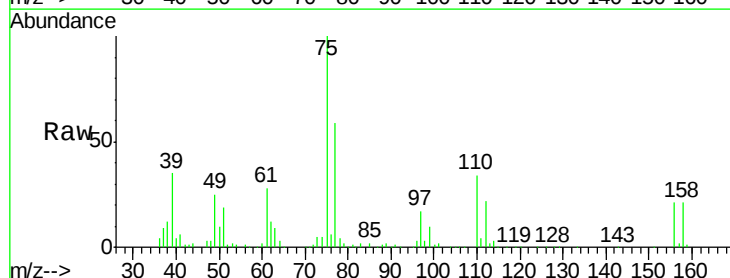
RT: 12.77 min Scan# 1782

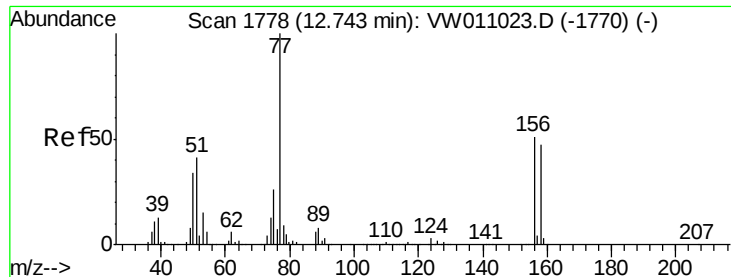
Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Tgt Ion:	75	Resp:	42719
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.086 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

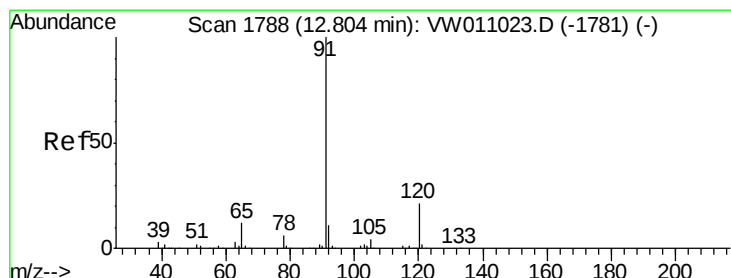
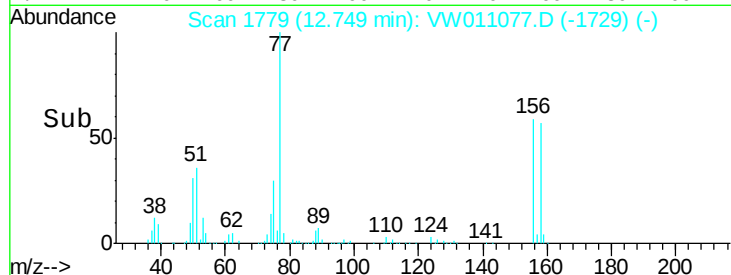
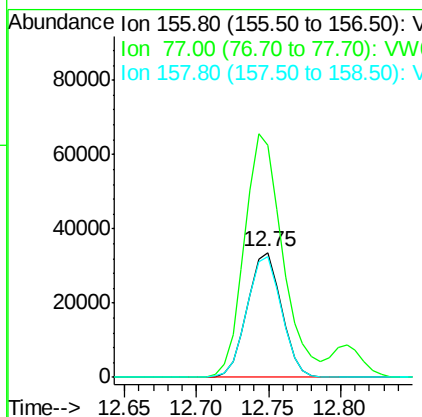
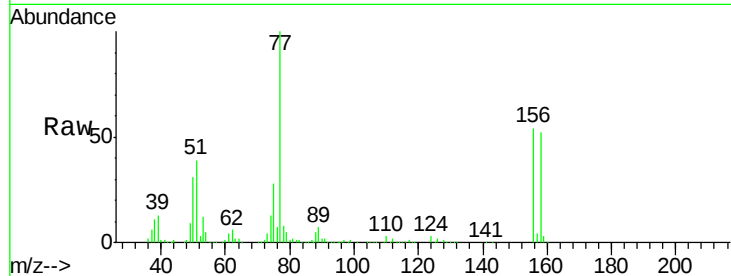
ClientSampleId :

VW0701SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	218.7	109.5	328.5
158	98.4	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 22.257 ug/l

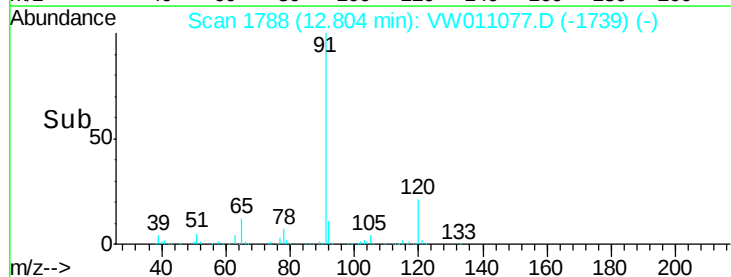
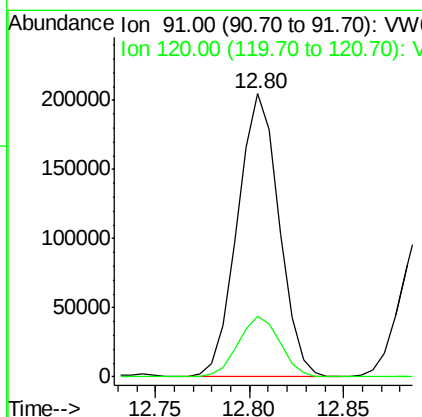
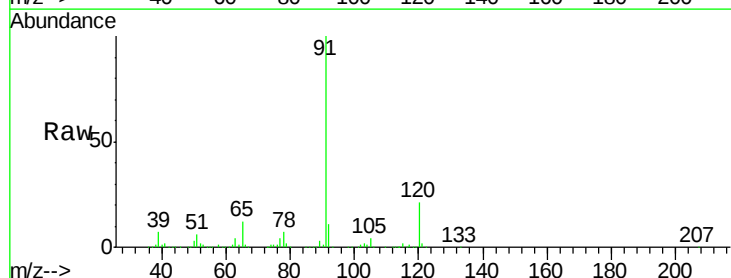
RT: 12.80 min Scan# 1788

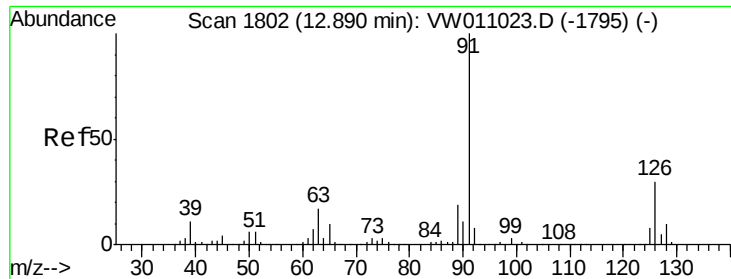
Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.5	31.6





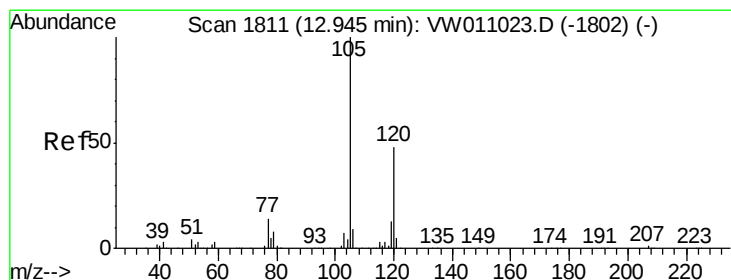
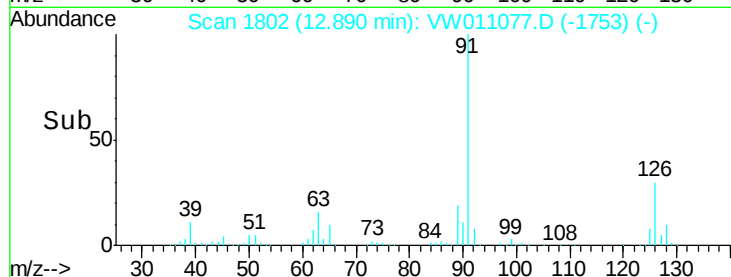
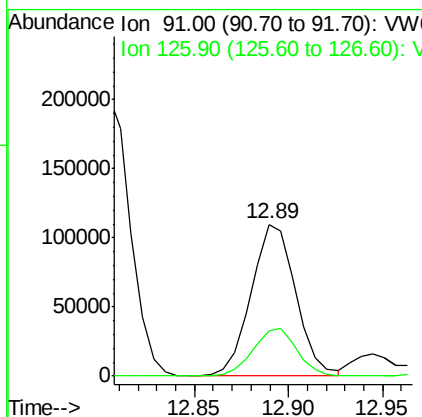
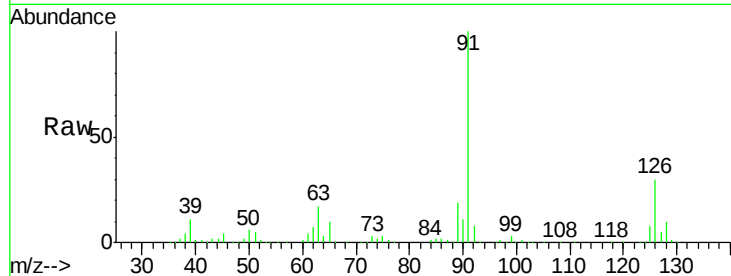
#79
 2-Chlorotoluene
 Concen: 22.398 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBSD01

Tot Ion: 91 Resp: 179720
 Ion Ratio Lower Upper
 91 100
 126 31.0 15.4 46.4

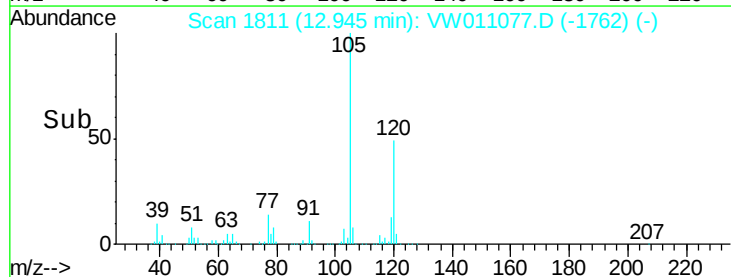
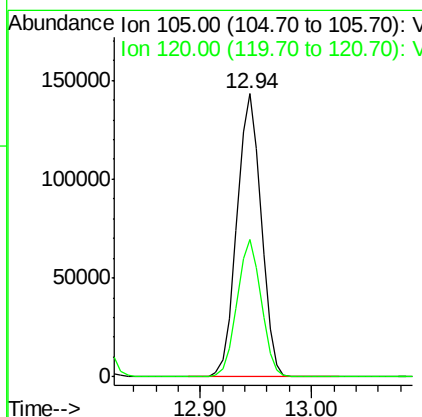
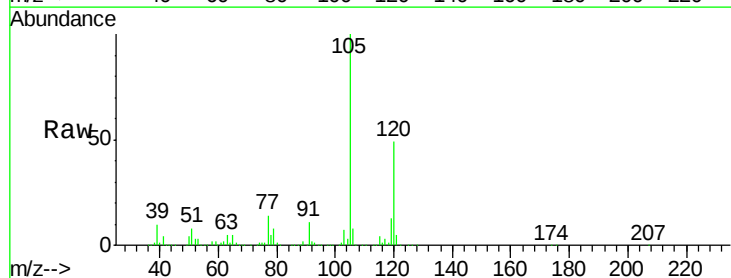
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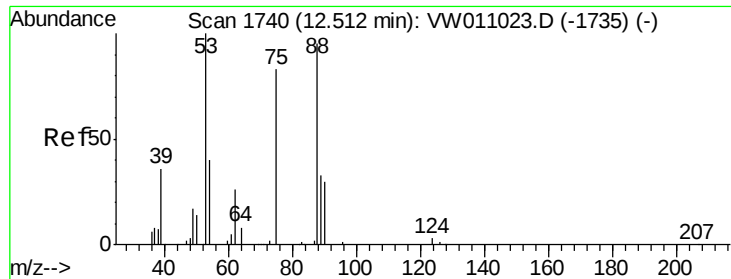
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.484 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion: 105 Resp: 216130
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.8 71.5





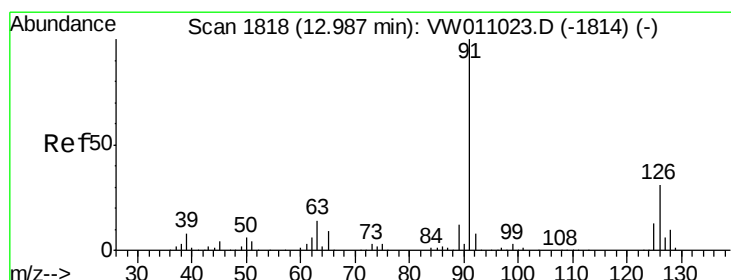
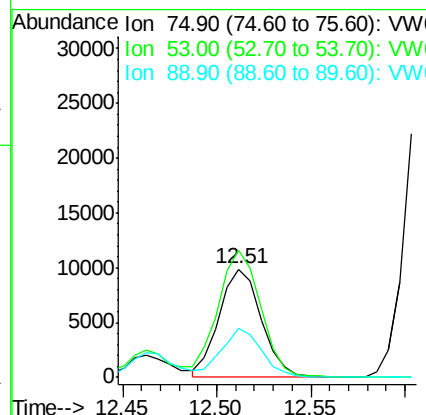
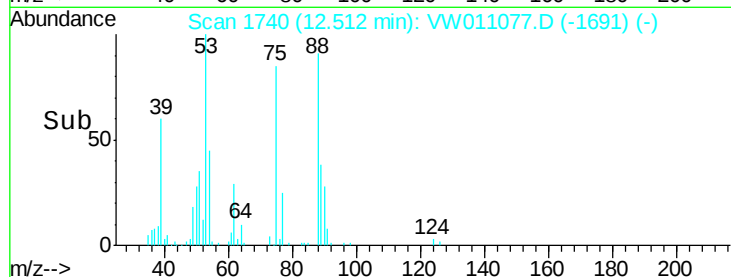
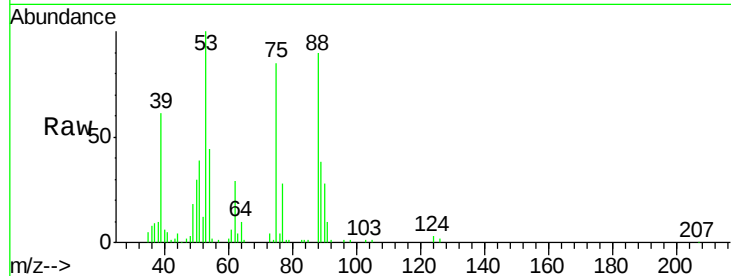
#81
trans-1,4-Dichloro-2-butene
Concen: 22.879 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.2	95.6	143.4
89	43.6	34.4	51.6

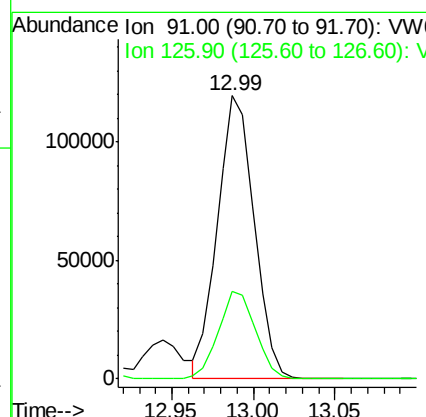
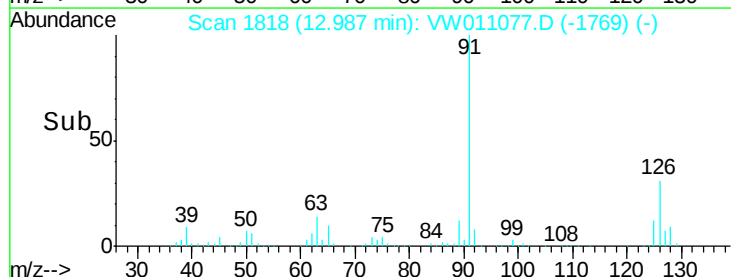
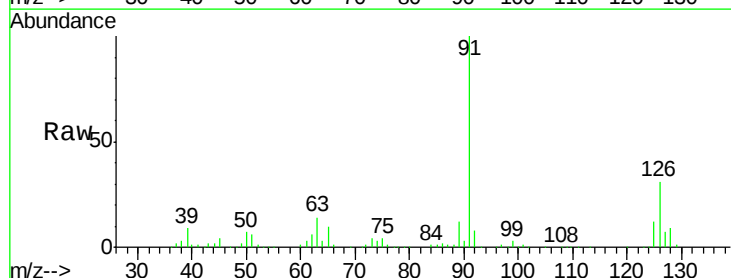
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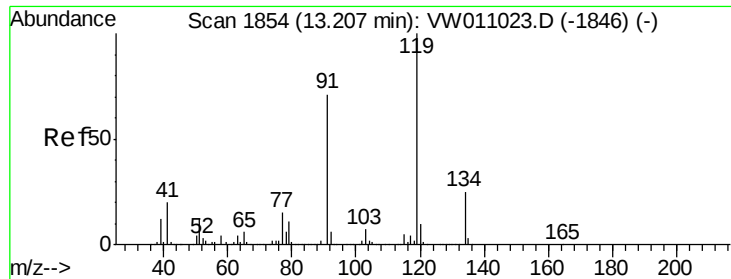
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#82
4-Chlorotoluene
Concen: 22.382 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.7	47.1





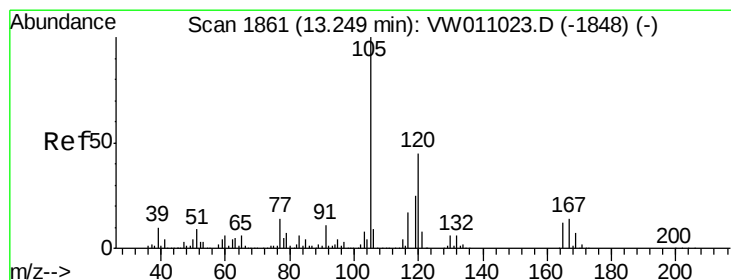
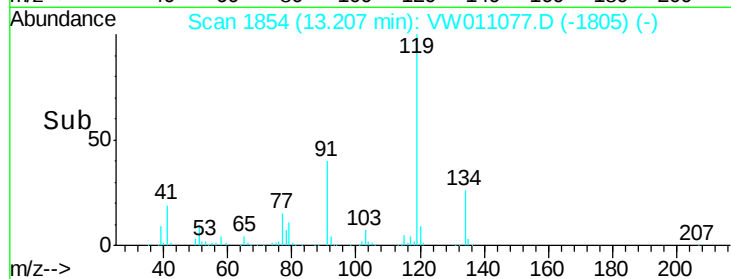
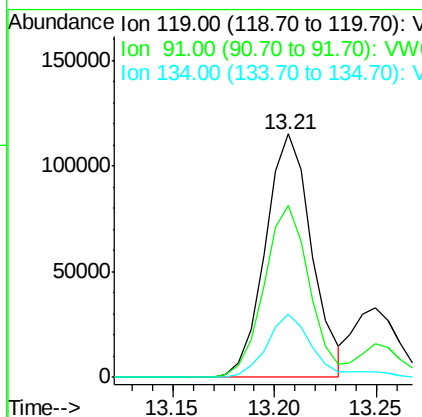
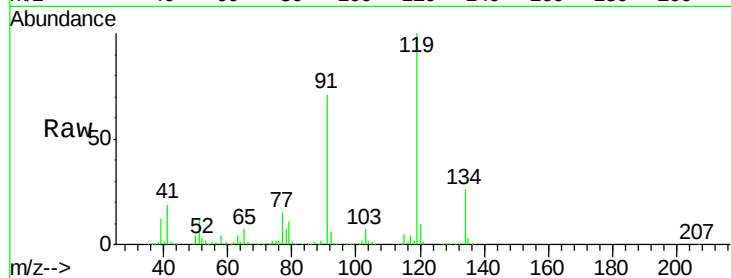
#83
tert-Butylbenzene
Concen: 22.762 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	35.5	106.5
134	24.8	12.4	37.2

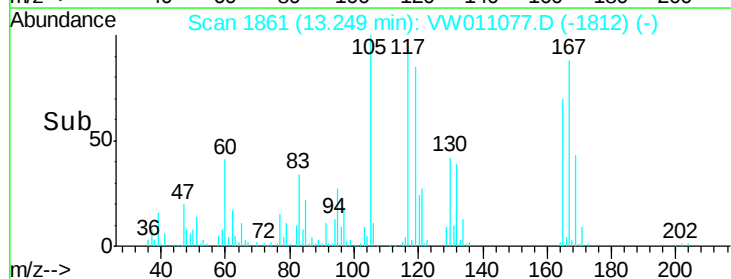
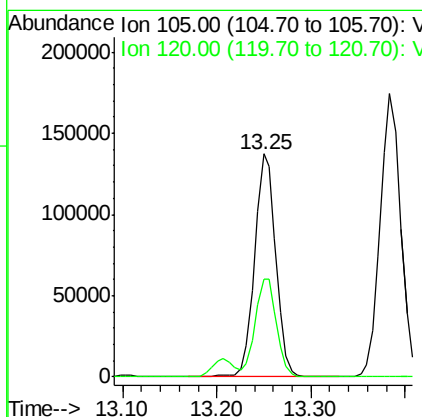
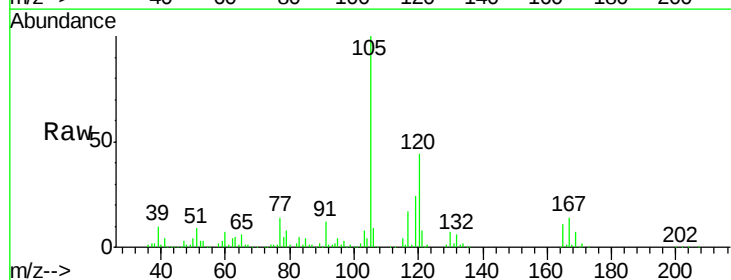
Manual Integrations
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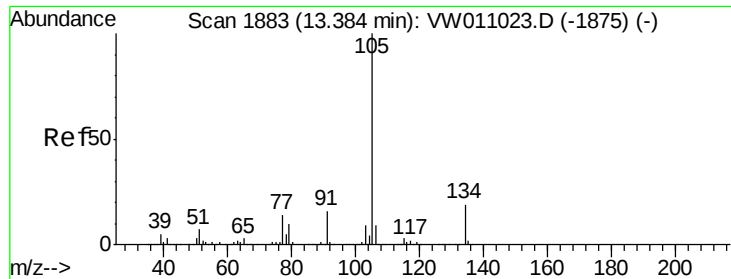
MMDadoda
7/2/2019 3:52:40 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.333 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.2





#85

sec-Butylbenzene

Concen: 22.696 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

Instrument :

MSVOA_W

ClientSampled :

VW0701SBSD01

Tot Ion:105 Resp: 264296

Ion Ratio Lower Upper

105 100

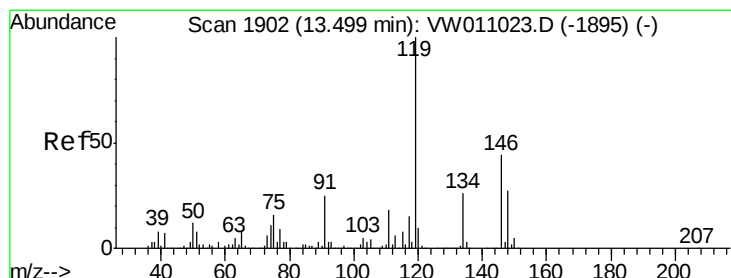
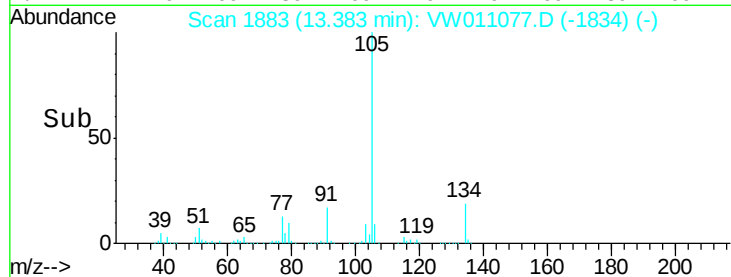
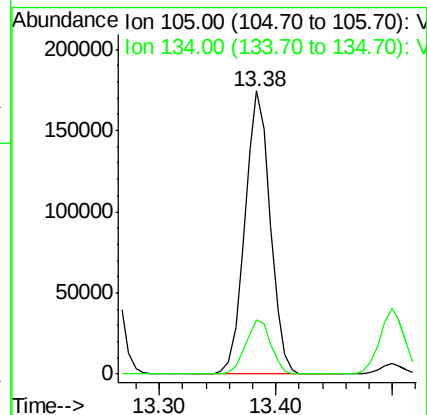
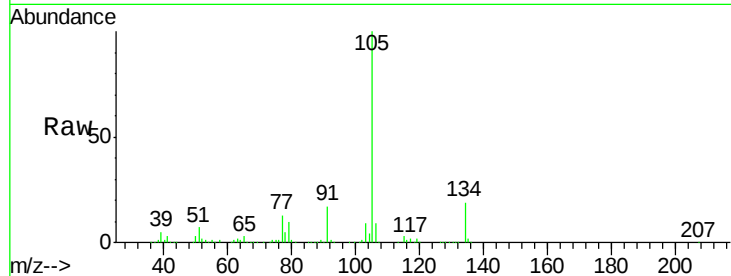
134 19.2 9.6 28.8

Manual Integrations

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7/2/2019 3:52:40 PM



#86

p-Isopropyltoluene

Concen: 22.565 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011077.D

Acq: 01 Jul 2019 11:47

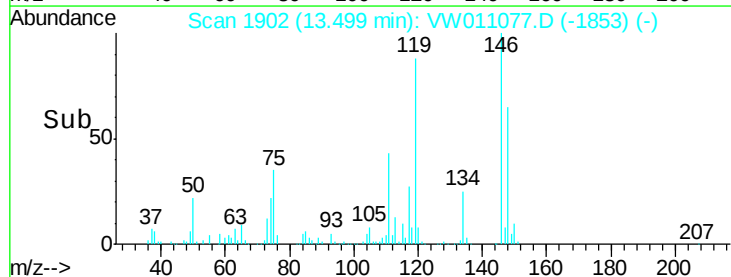
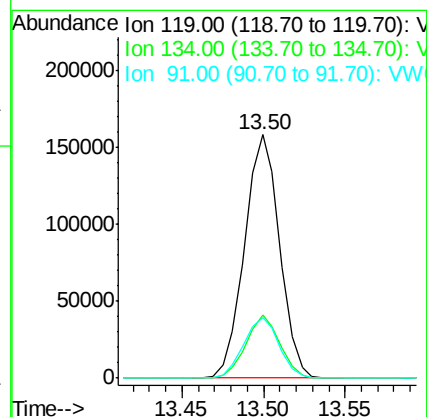
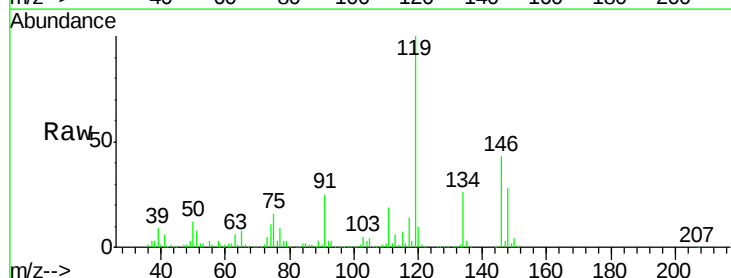
Tgt Ion:119 Resp: 236459

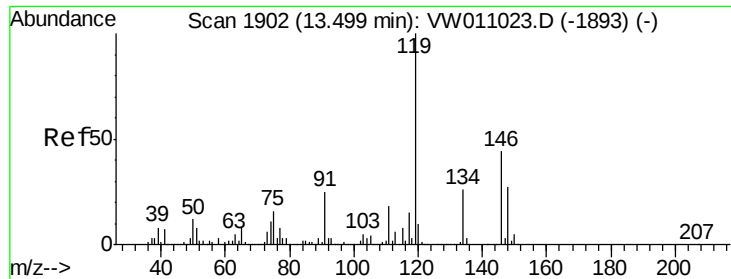
Ion Ratio Lower Upper

119 100

134 25.2 12.9 38.7

91 25.2 12.3 36.9





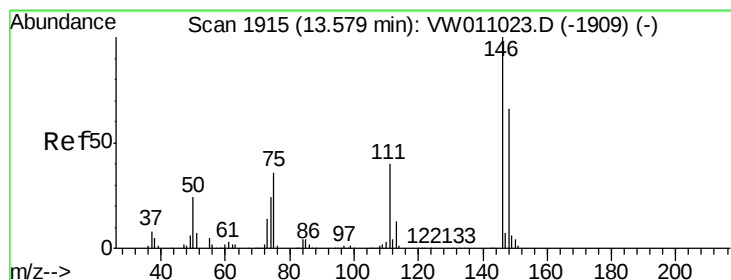
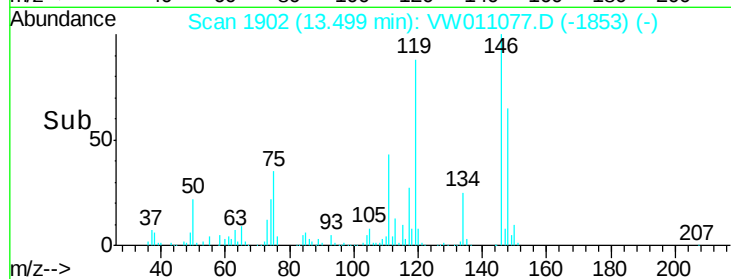
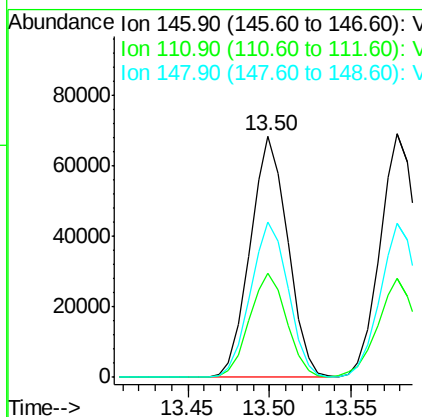
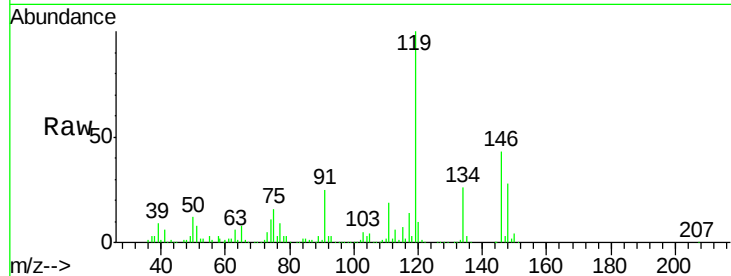
#87
 1,3-Dichlorobenzene
 Concen: 22.206 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	109503		
111	42.7	20.9	62.8	
148	64.8	31.8	95.4	

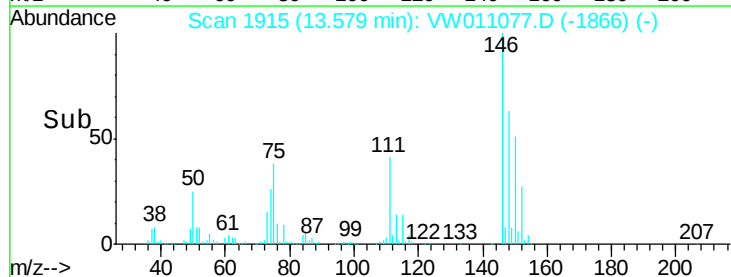
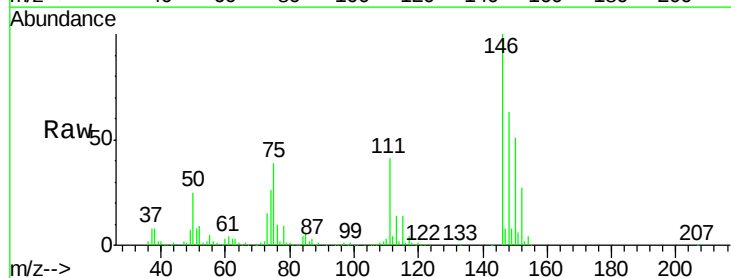
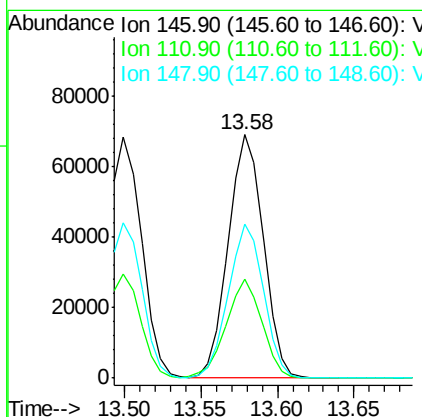
Manual Integrations
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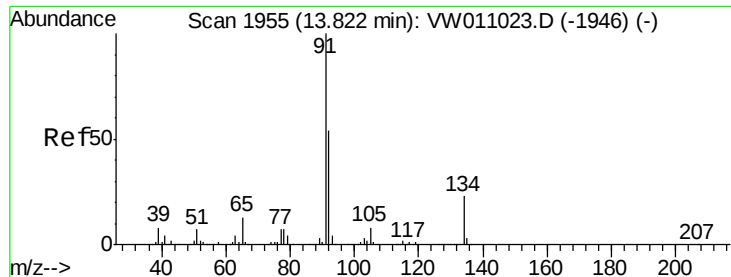
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#88
 1,4-Dichlorobenzene
 Concen: 22.440 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110463		
111	41.4	20.6	61.9	
148	63.5	32.4	97.2	





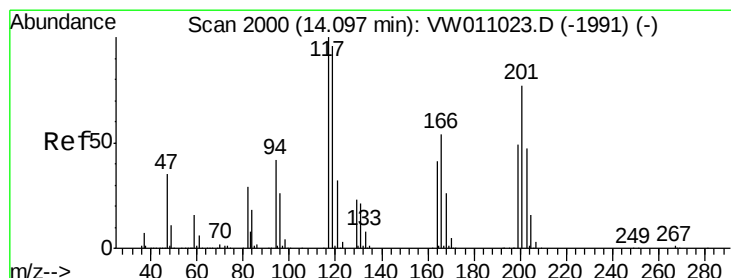
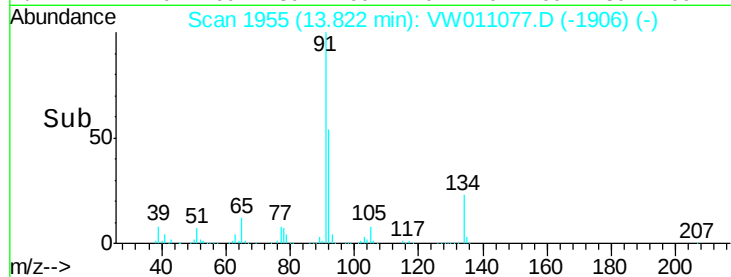
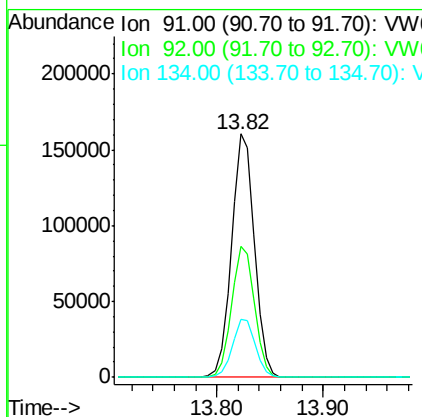
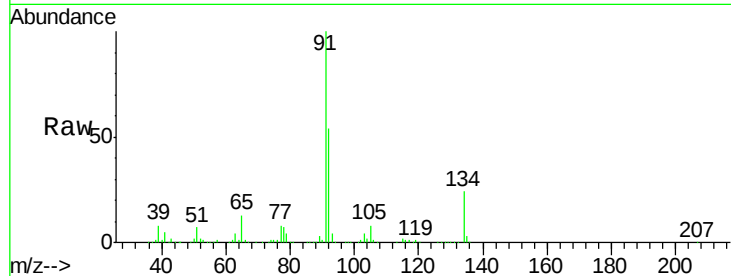
#89
n-Butylbenzene
Concen: 22.665 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	24.0	12.0	36.1

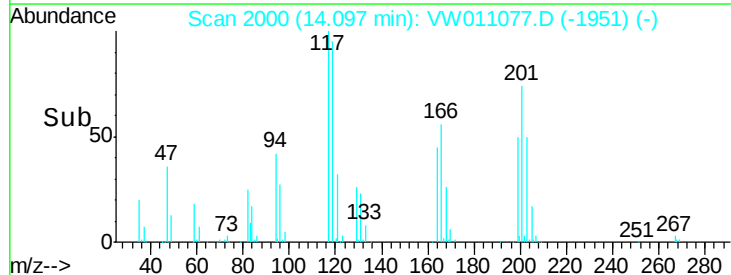
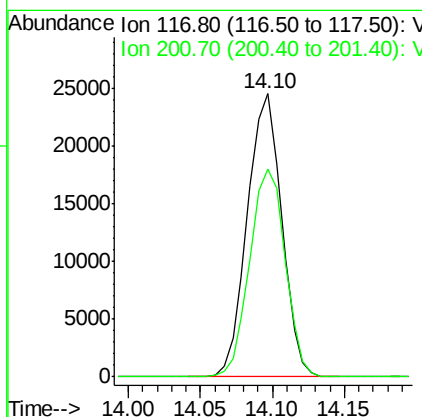
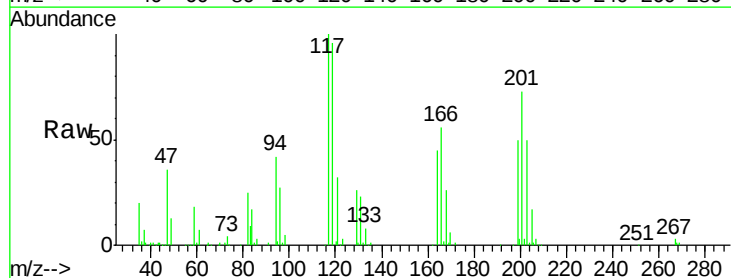
Manual Integrations
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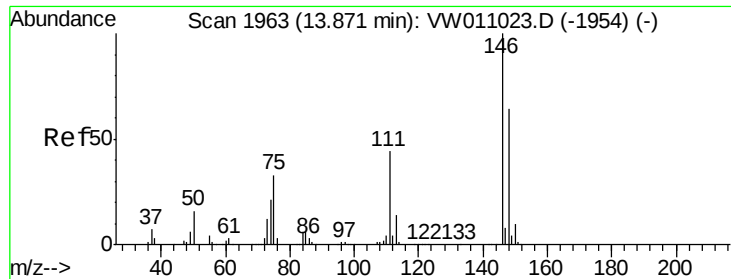
MMDadoda
7/2/2019 3:52:40 PM



#90
Hexachloroethane
Concen: 22.600 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.7	38.0	114.0





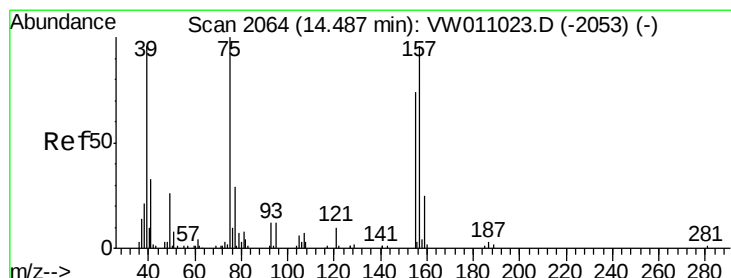
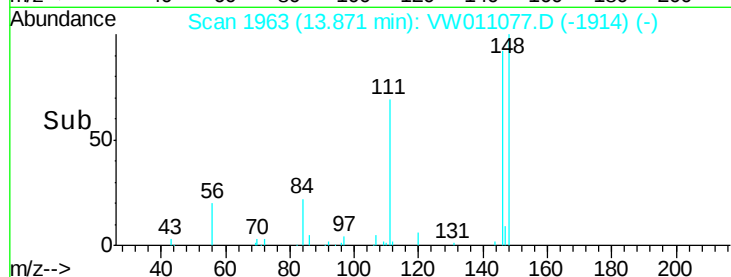
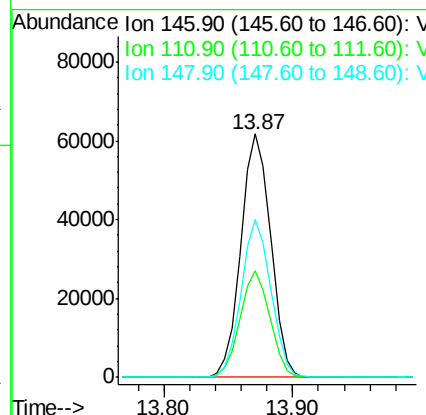
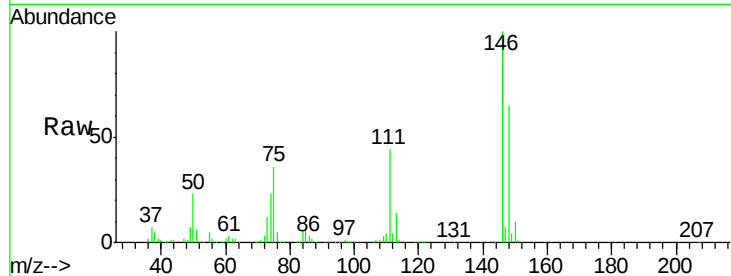
#91
 1,2-Dichlorobenzene
 Concen: 22.343 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.4	64.3
148	64.5	31.8	95.3

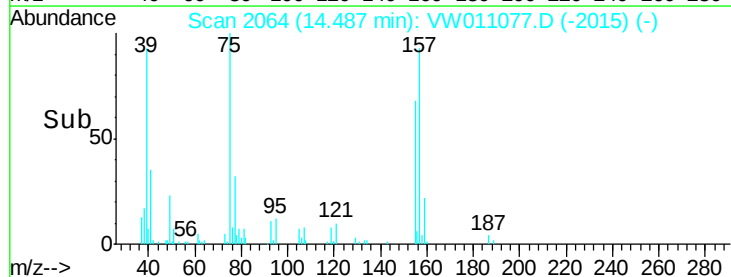
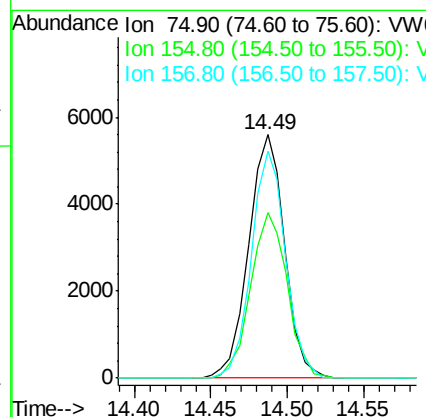
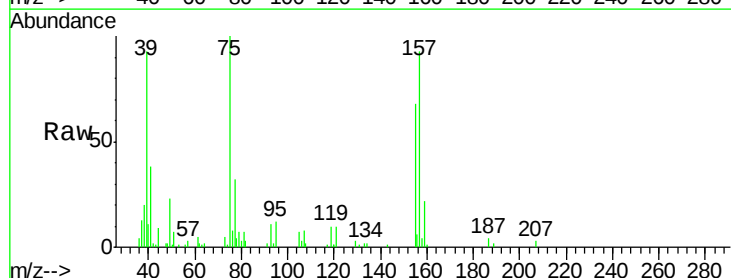
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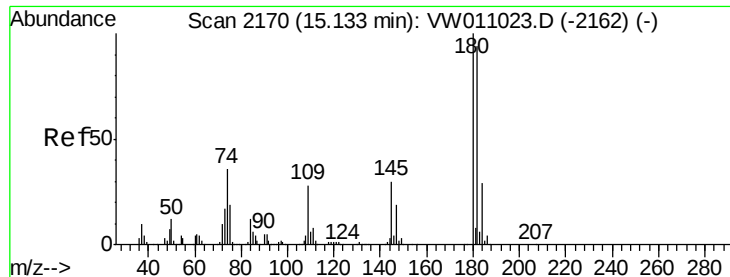
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.119 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	37.0	110.9
157	88.5	45.9	137.7





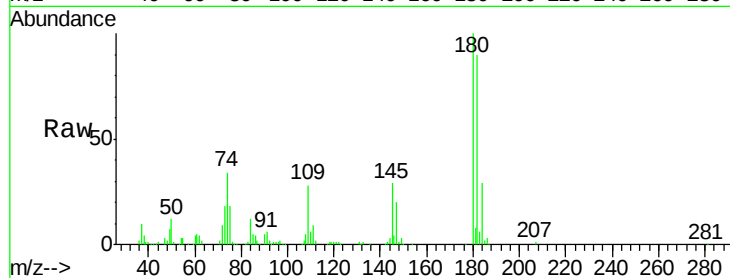
#93
 1,2,4-Trichlorobenzene
 Concen: 23.219 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0701SBSD01

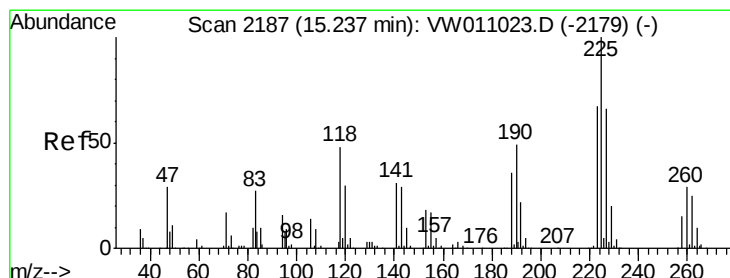
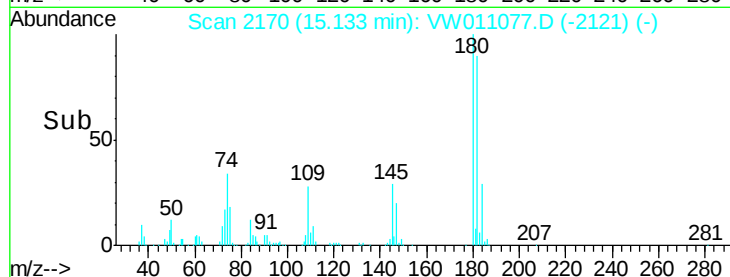
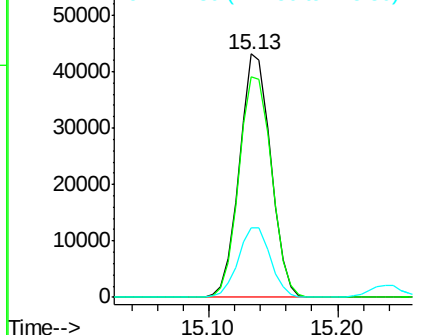
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.2
145	29.5	15.3	45.8

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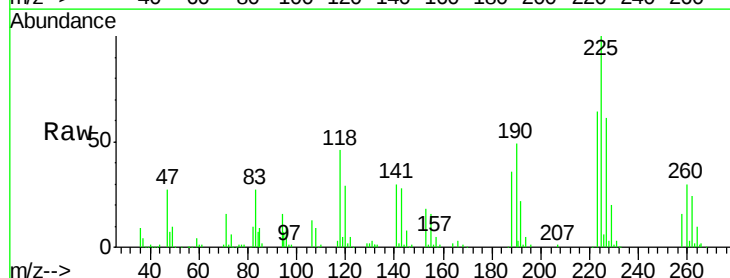


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

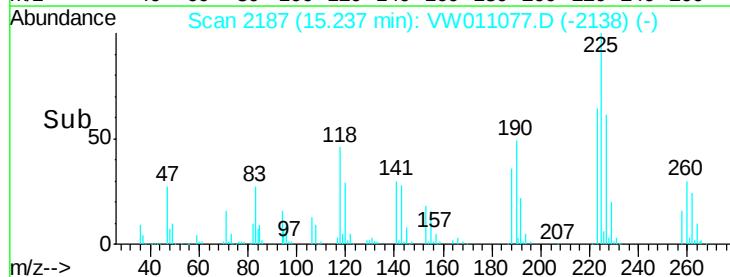
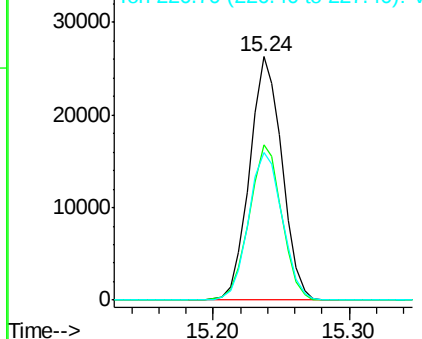


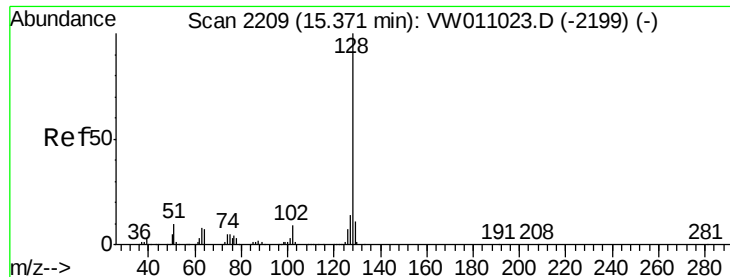
#94
 Hexachlorobutadiene
 Concen: 23.258 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW011077.D
 Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	31.9	95.9
227	63.0	31.9	95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





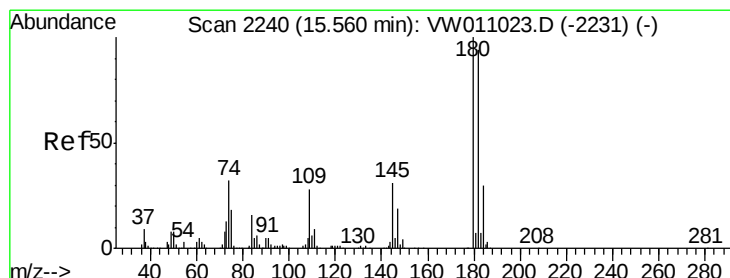
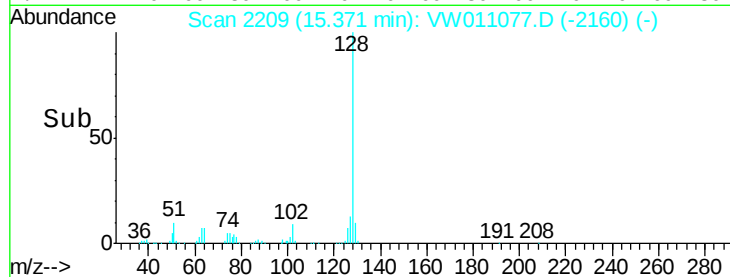
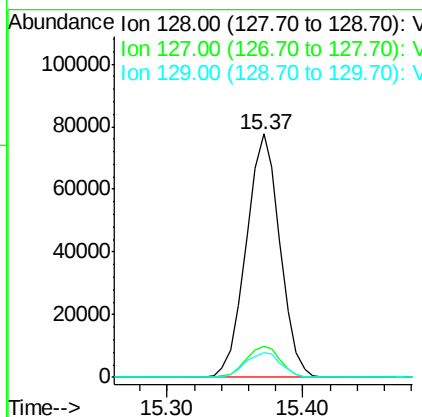
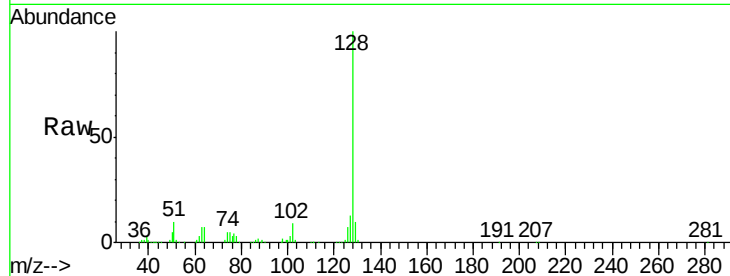
#95
Naphthalene
Concen: 23.023 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Instrument :
MSVOA_W
ClientSampleId :
VW0701SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.8	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 22.500 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW011077.D
Acq: 01 Jul 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	32.4	16.1	48.2

