

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070119\
 Data File : VW011074.D
 Acq On : 01 Jul 2019 10:05
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/2/2019 3:52:31 PM

Quant Time: Jul 02 08:42:32 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	234629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	329726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	149372	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.88	113	118870	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.32	98	494898	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.62	95	174436	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	94794	53.594	ug/l 97
3) Chloromethane	2.21	50	116036	48.937	ug/l 99
4) Vinyl Chloride	2.36	62	158037	51.190	ug/l 99
5) Bromomethane	2.77	94	78057	50.795	ug/l 97
6) Chloroethane	2.92	64	85614	52.599	ug/l 99
7) Trichlorofluoromethane	3.25	101	54645	60.232	ug/l 91
8) Diethyl Ether	3.68	74	70638	49.163	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	133264	52.228	ug/l 99
10) Methyl Iodide	4.27	142	181827	50.933	ug/l 100
11) Tert butyl alcohol	5.16	59	48455	217.515	ug/l 99
12) 1,1-Dichloroethene	4.04	96	137417	51.740	ug/l 97
13) Acrolein	3.89	56	46659	268.596	ug/l 100
14) Allyl chloride	4.66	41	258382	60.445	ug/l 99
15) Acrylonitrile	5.36	53	172237	243.427	ug/l 99
16) Acetone	4.11	43	197465	263.747	ug/l 97
17) Carbon Disulfide	4.38	76	419943	55.734	ug/l 100
18) Methyl Acetate	4.66	43	79495	40.990	ug/l 99
19) Methyl tert-butyl Ether	5.42	73	188291	50.089	ug/l 98
20) Methylene Chloride	4.92	84	140707	46.256	ug/l 99
21) trans-1,2-Dichloroethene	5.41	96	140982	51.514	ug/l 98
22) Diisopropyl ether	6.31	45	522010	50.746	ug/l 97
23) Vinyl Acetate	6.25	43	1640725	258.862	ug/l 99
24) 1,1-Dichloroethane	6.21	63	277771	51.157	ug/l 100
25) 2-Butanone	7.17	43	266836	234.470	ug/l 98
26) 2,2-Dichloropropane	7.16	77	151056	53.581	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	149391	50.697	ug/l 99
28) Bromochloromethane	7.51	49	106790	42.247	ug/l 97
29) Tetrahydrofuran	7.52	42	164292	231.907	ug/l 99
30) Chloroform	7.67	83	252039	51.093	ug/l 99
31) Cyclohexane	7.95	56	288641	49.197	ug/l 99
32) 1,1,1-Trichloroethane	7.87	97	198889	53.956	ug/l 99
36) 1,1-Dichloropropene	8.08	75	216042	53.223	ug/l 100
37) Ethyl Acetate	7.24	43	110768	46.907	ug/l 98
38) Carbon Tetrachloride	8.06	117	184568	55.212	ug/l 96

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	267058	53.459	ug/l	97
40) Benzene	8.32	78	584790	52.379	ug/l	100
41) Methacrylonitrile	7.48	41	64163	44.660	ug/l	93
42) 1,2-Dichloroethane	8.40	62	180200	49.226	ug/l	99
43) Isopropyl Acetate	8.42	43	216764	48.523	ug/l	100
44) Trichloroethene	9.09	130	141719	52.523	ug/l	97
45) 1,2-Dichloropropane	9.37	63	156243	51.534	ug/l	98
46) Dibromomethane	9.45	93	70865	49.977	ug/l	99
47) Bromodichloromethane	9.64	83	188585	53.718	ug/l	99
48) Methyl methacrylate	9.43	41	103066	47.583	ug/l	99
49) 1,4-Dioxane	9.44	88	23765	996.808	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	555819	236.368	ug/l	100
52) Toluene	10.38	92	357628	52.320	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	197826	54.100	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	235787	54.055	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98736	49.287	ug/l	98
56) Ethyl methacrylate	10.65	69	148694	49.567	ug/l	98
57) 1,3-Dichloropropane	10.93	76	187429	49.186	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	354177	233.345	ug/l	99
59) 2-Hexanone	10.97	43	401130	244.612	ug/l	99
60) Dibromochloromethane	11.13	129	111313	52.988	ug/l	98
61) 1,2-Dibromoethane	11.23	107	92324	49.229	ug/l	100
64) Tetrachloroethene	10.86	164	114401	50.417	ug/l	96
65) Chlorobenzene	11.66	112	353743	52.410	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	124985	54.541	ug/l	98
67) Ethyl Benzene	11.73	91	694360	53.713	ug/l	100
68) m/p-Xylenes	11.84	106	503300	107.294	ug/l	100
69) o-Xylene	12.16	106	233818	53.515	ug/l	100
70) Styrene	12.18	104	407611	53.687	ug/l	99
71) Bromoform	12.35	173	60609	54.253	ug/l #	98
73) Isopropylbenzene	12.46	105	657131	54.361	ug/l	100
74) N-amyl acetate	12.27	43	206802	50.941	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117903	49.668	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82209m	48.257	ug/l	
77) Bromobenzene	12.75	156	139721	52.585	ug/l	99
78) n-propylbenzene	12.80	91	818778	54.696	ug/l	99
79) 2-Chlorotoluene	12.89	91	454664	53.164	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	560692	54.724	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	39982	49.943	ug/l	96
82) 4-Chlorotoluene	12.99	91	475222	53.322	ug/l	100
83) tert-Butylbenzene	13.21	119	467885	54.763	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	561185	54.189	ug/l	99
85) sec-Butylbenzene	13.38	105	681917	54.942	ug/l	100
86) p-Isopropyltoluene	13.50	119	614792	55.044	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	279127	53.108	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	273713	52.170	ug/l	99
89) n-Butylbenzene	13.82	91	625011	55.056	ug/l	100
90) Hexachloroethane	14.09	117	109827	57.470	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	244410	51.776	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20133	49.905	ug/l	100

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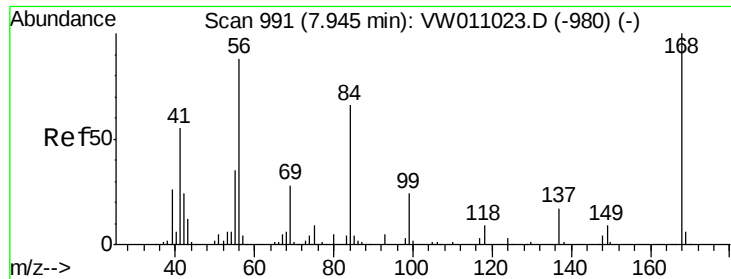
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	175814	52.936	ug/l	99
94) Hexachlorobutadiene	15.24	225	110556	54.882	ug/l	100
95) Naphthalene	15.37	128	320783	51.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	153610	51.796	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 234629

Ion Ratio Lower Upper

168 100

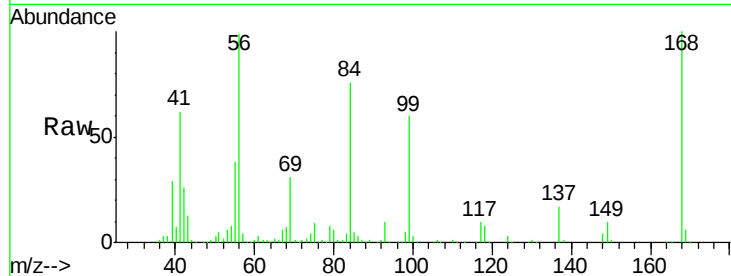
99 60.4 47.8 71.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

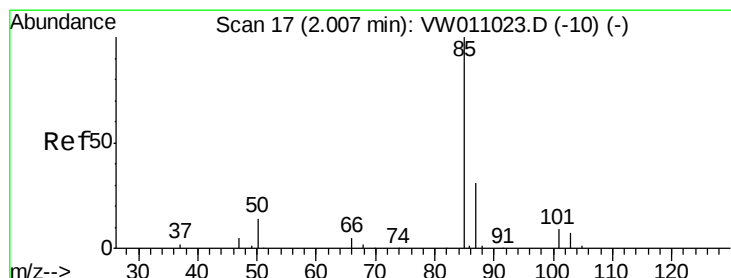
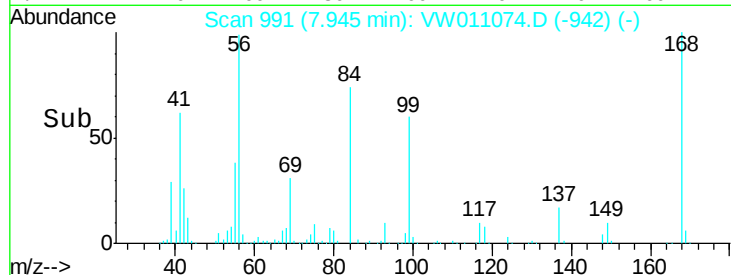
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 53.594 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011074.D

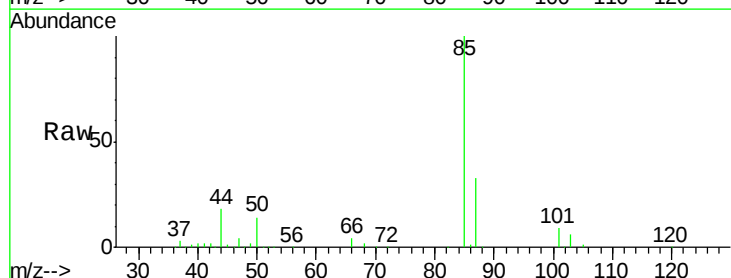
Acq: 01 Jul 2019 10:05

Tgt Ion: 85 Resp: 94794

Ion Ratio Lower Upper

85 100

87 33.1 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

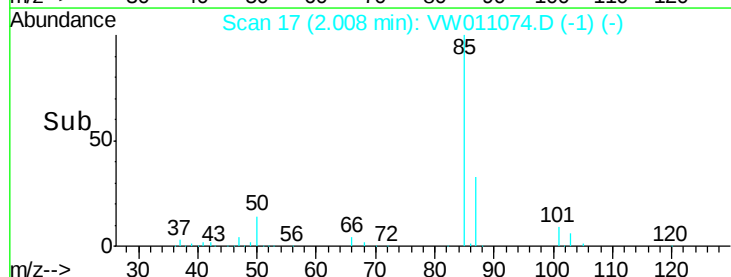
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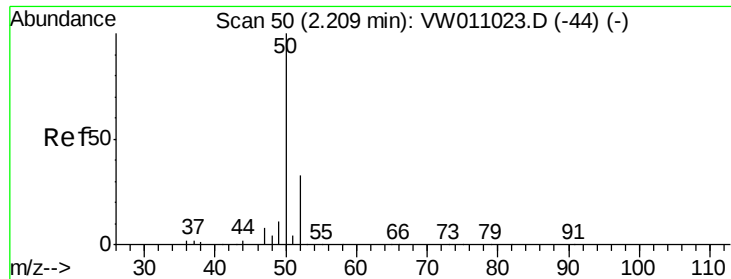
20000

10000

0

Time-->





#3

Chloromethane

Concen: 48.937 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 116036

Ion Ratio Lower Upper

50 100

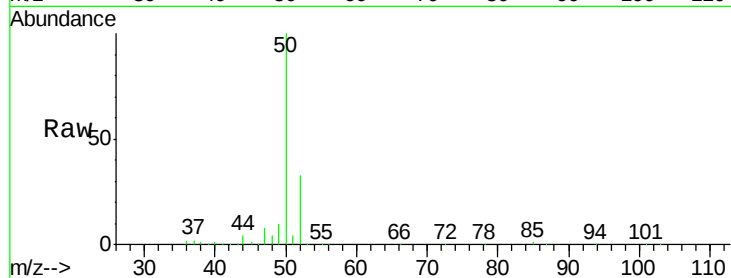
52 32.6 26.6 40.0

Manual Integrations

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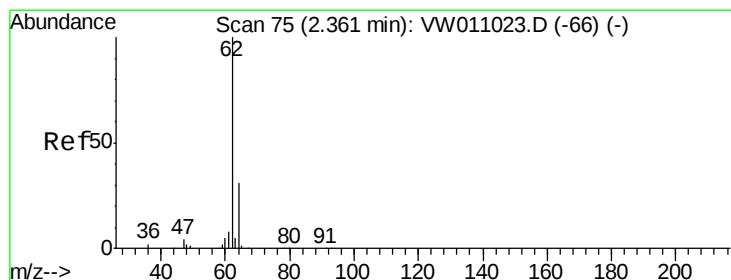
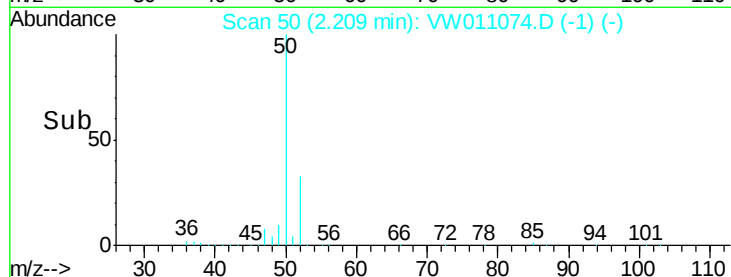
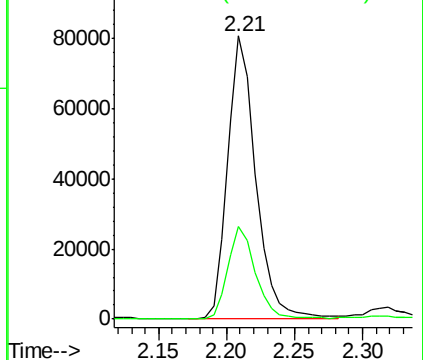
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Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 51.190 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW011074.D

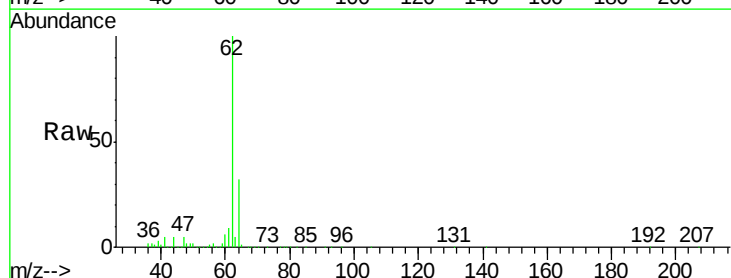
Acq: 01 Jul 2019 10:05

Tgt Ion: 62 Resp: 158037

Ion Ratio Lower Upper

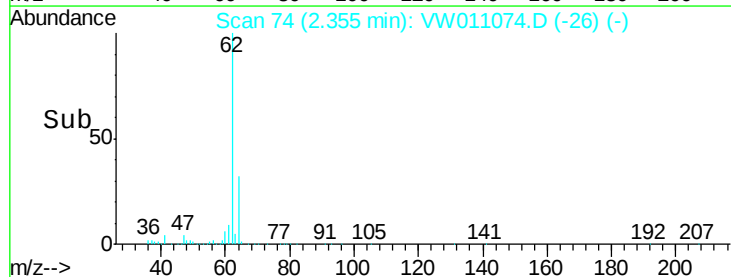
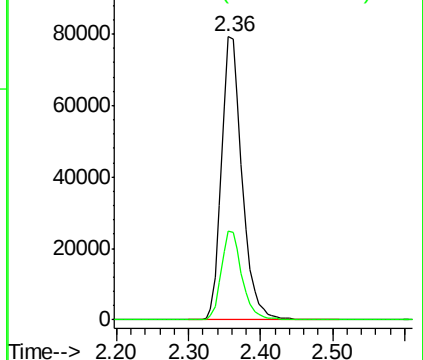
62 100

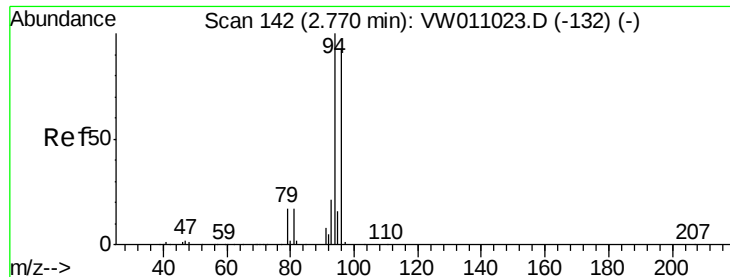
64 31.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 50.795 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 78057

Ion Ratio Lower Upper

94 100

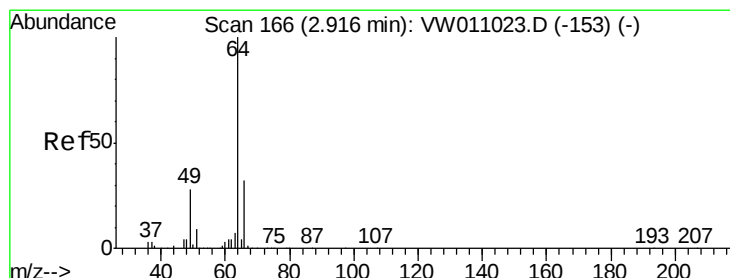
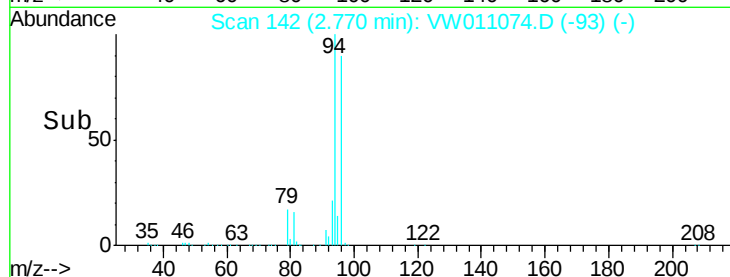
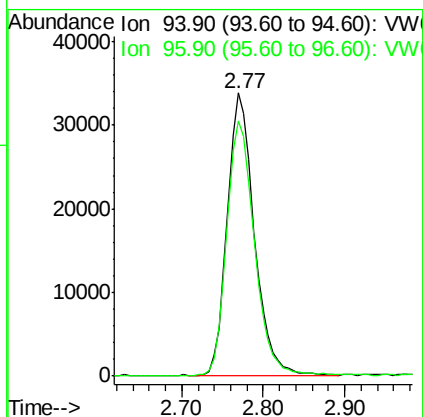
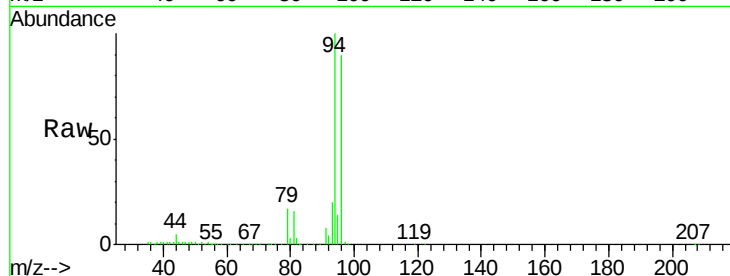
96 89.8 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 52.599 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011074.D

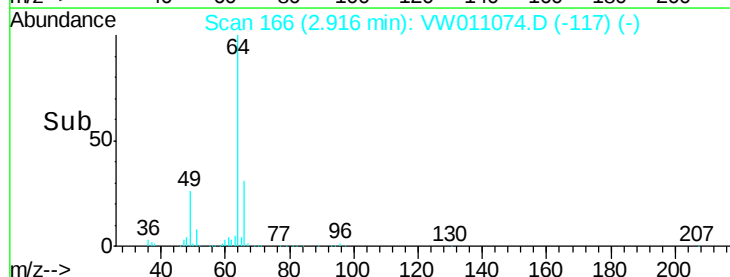
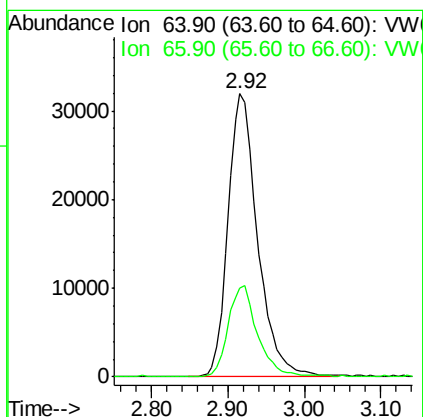
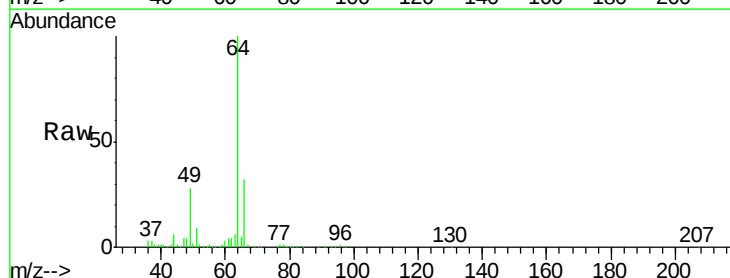
Acq: 01 Jul 2019 10:05

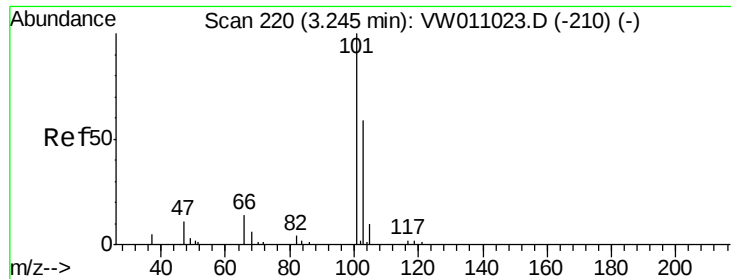
Tgt Ion: 64 Resp: 85614

Ion Ratio Lower Upper

64 100

66 31.3 25.7 38.5





#7

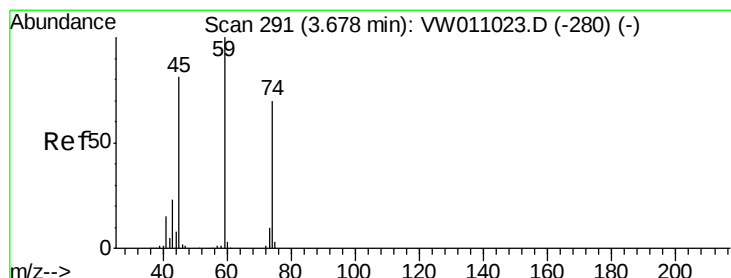
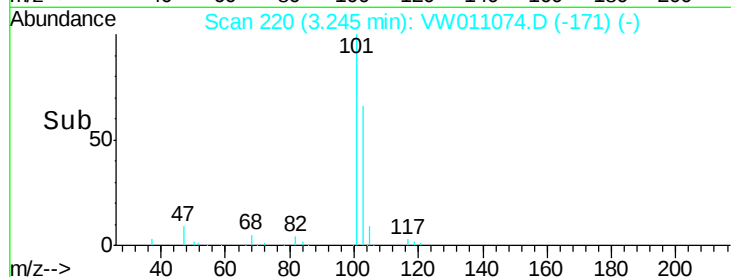
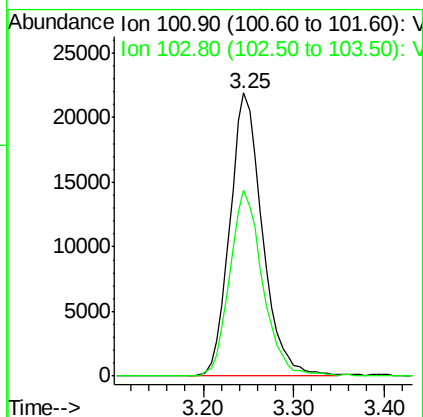
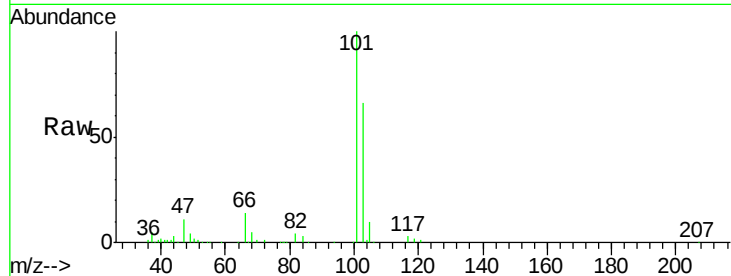
Trichlorofluoromethane
 Concen: 60.232 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	47.5	71.3

Manual Integrations
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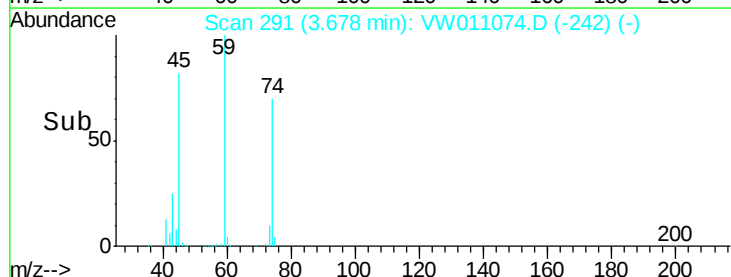
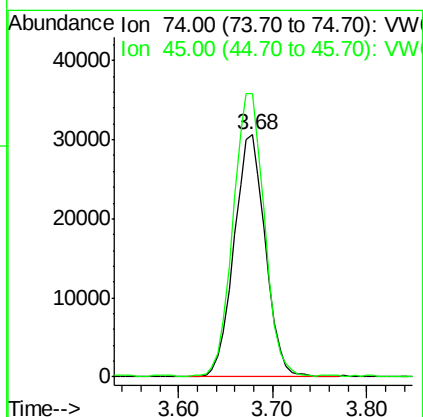
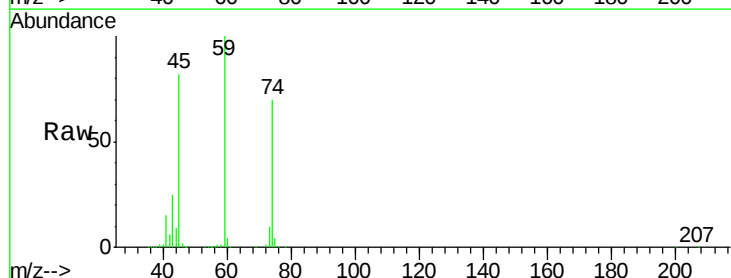
MMDadoda
 7/2/2019 3:52:31 PM

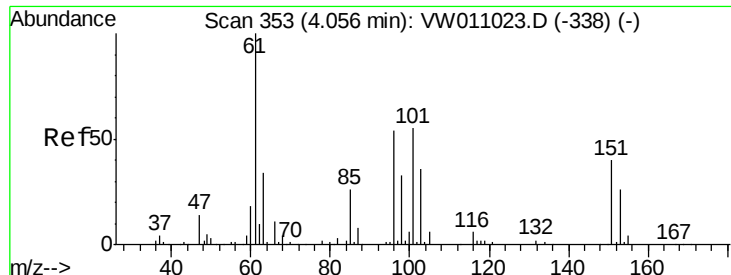


#8

Diethyl Ether
 Concen: 49.163 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.8	59.5	178.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.228 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

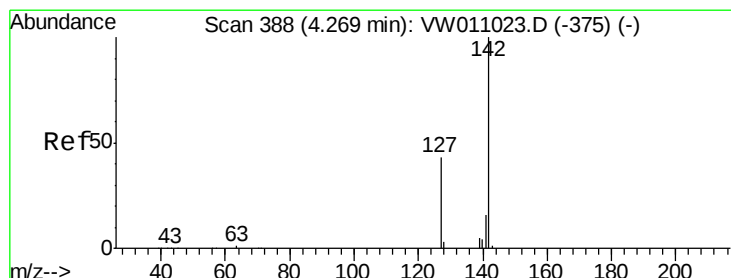
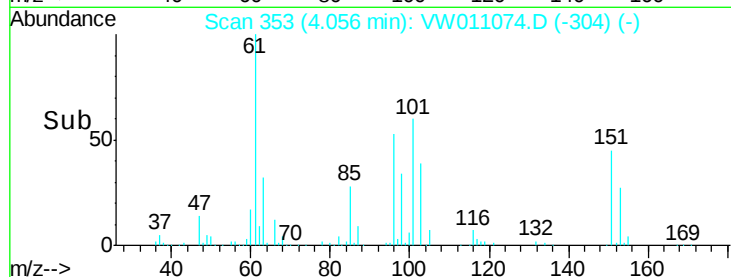
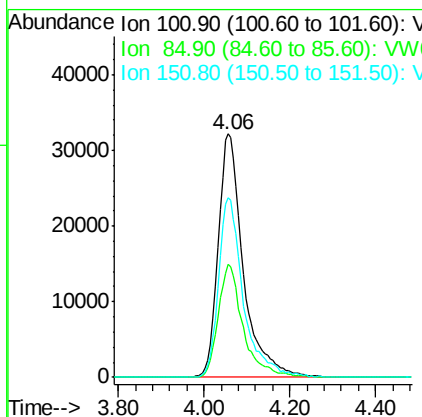
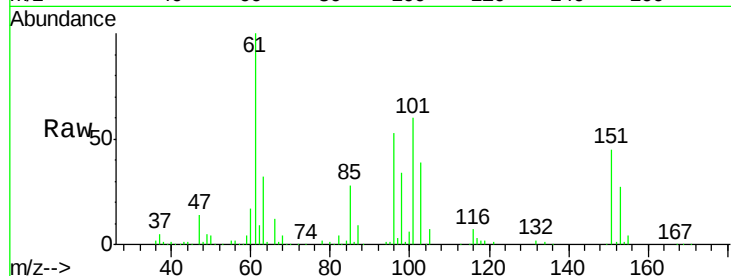
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	133264
Ion Ratio	Lower	Upper	
101	100		
85	45.9	36.6	55.0
151	72.8	58.9	88.3

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#10

Methyl Iodide

Concen: 50.933 ug/l

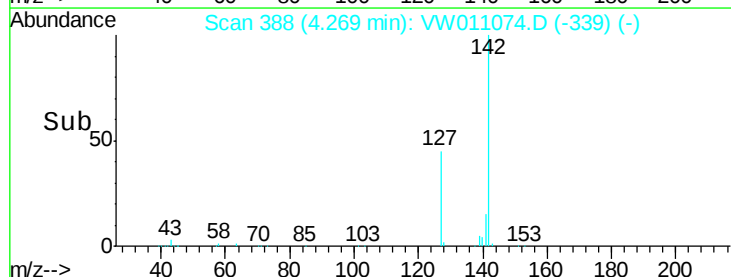
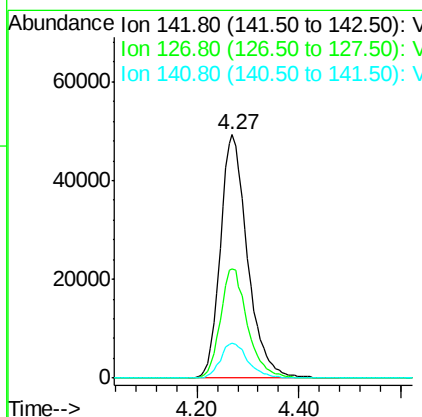
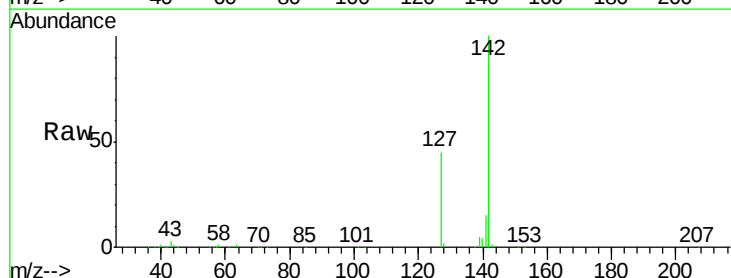
RT: 4.27 min Scan# 388

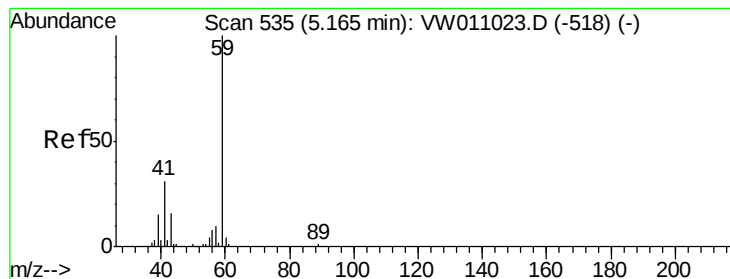
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	142	Resp:	181827
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.8	53.8
141	14.8	12.2	18.2





#11

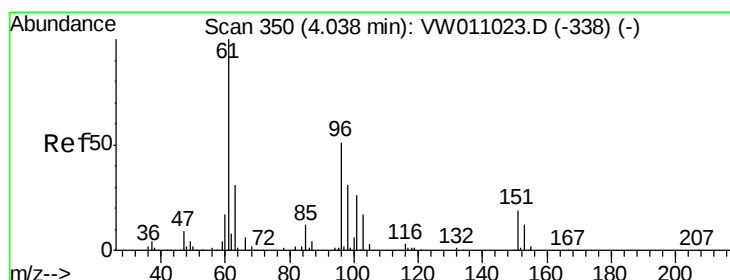
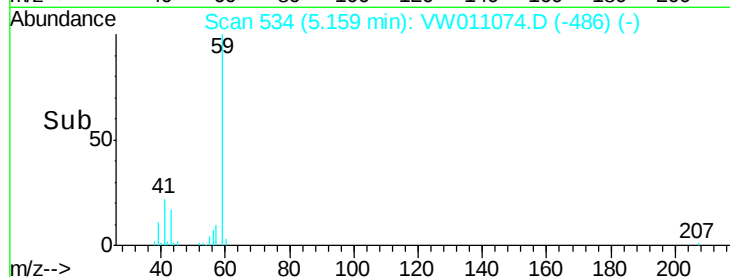
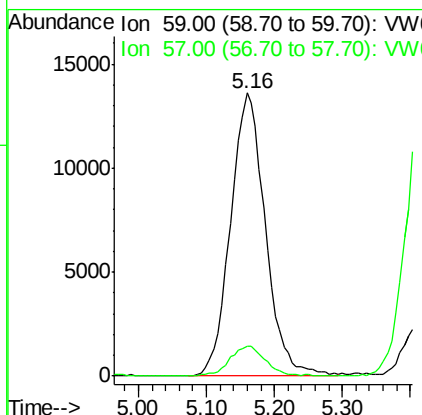
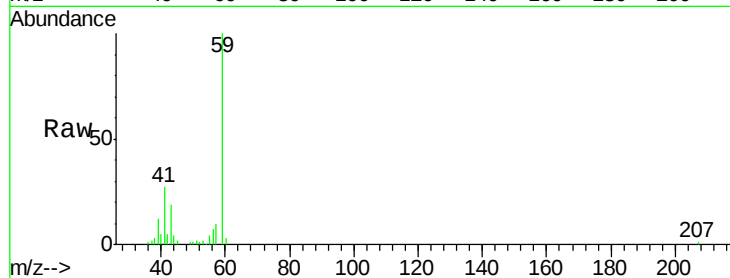
Tert butyl alcohol
 Concen: 217.515 ug/l
 RT: 5.16 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4

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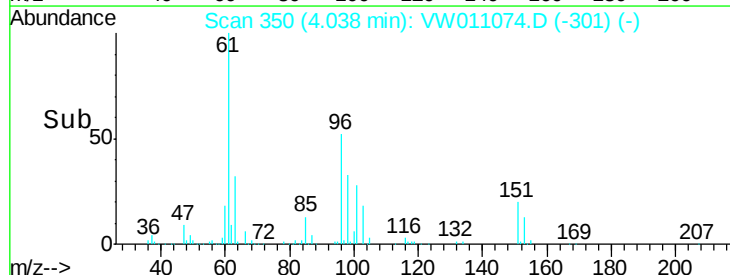
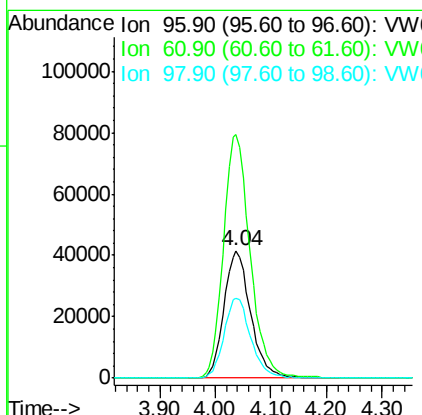
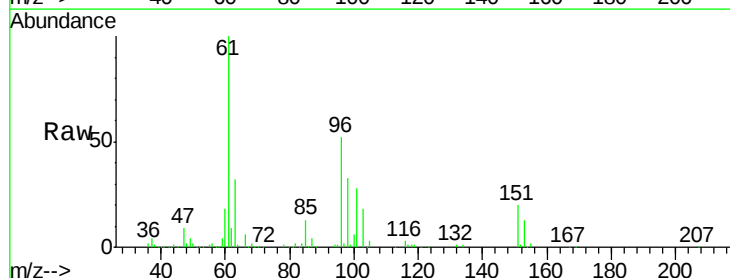
MMDadoda
 7/2/2019 3:52:31 PM

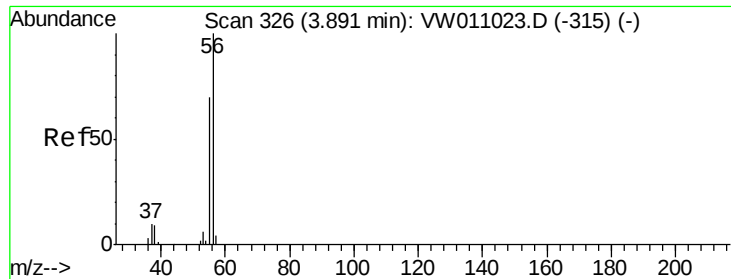


#12

1,1-Dichloroethene
 Concen: 51.740 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.7	156.0	234.0
98	62.4	48.7	73.1





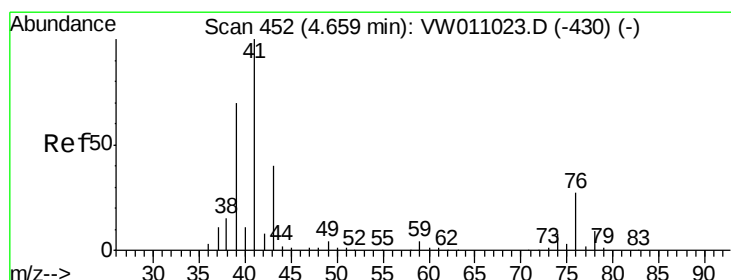
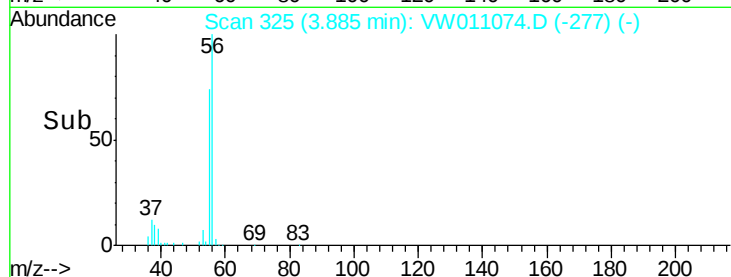
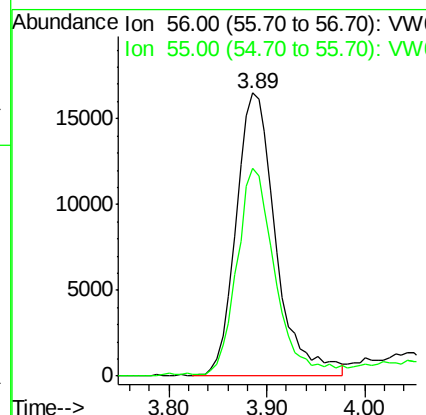
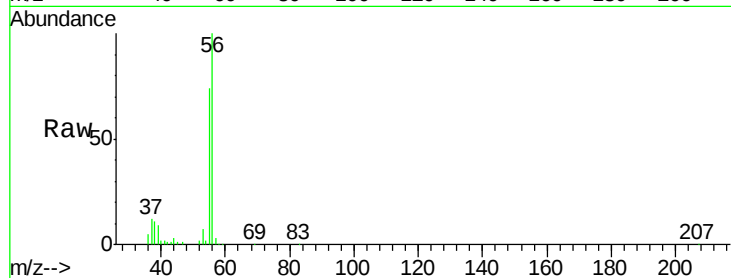
#13
Acrolein
Concen: 268.596 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.8	55.7	83.5

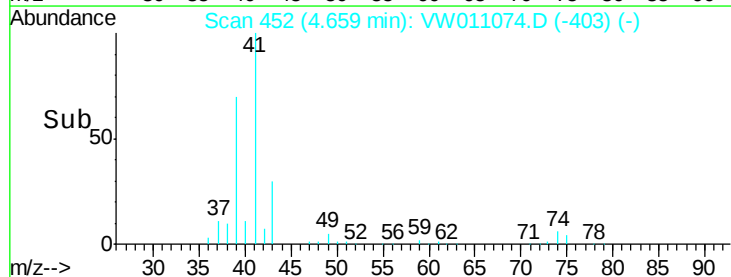
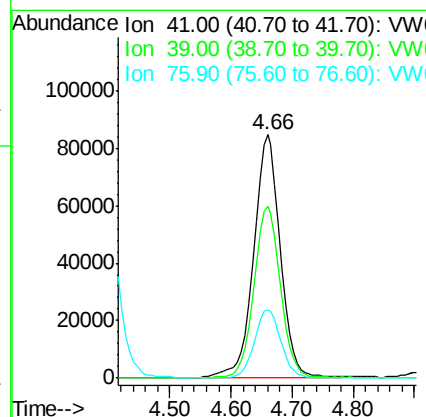
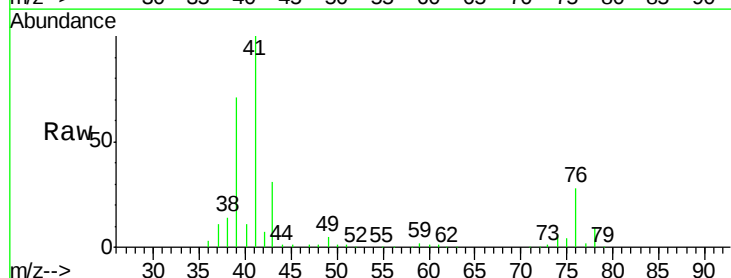
Manual Integrations
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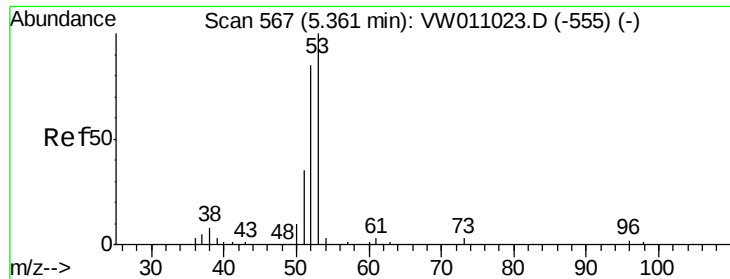
MMDadoda
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#14
Allyl chloride
Concen: 60.445 ug/l
RT: 4.66 min Scan# 452
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	70.1	55.4	83.2
76	27.5	22.0	33.0





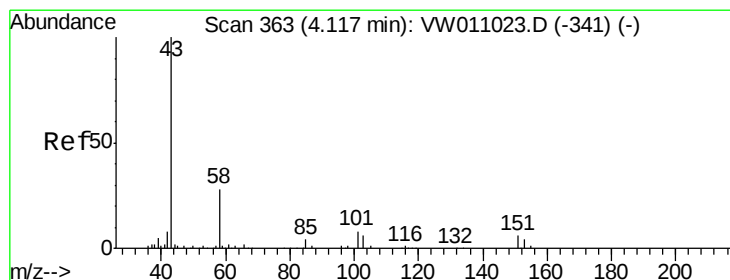
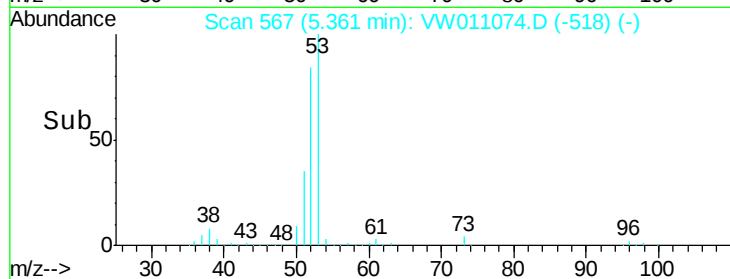
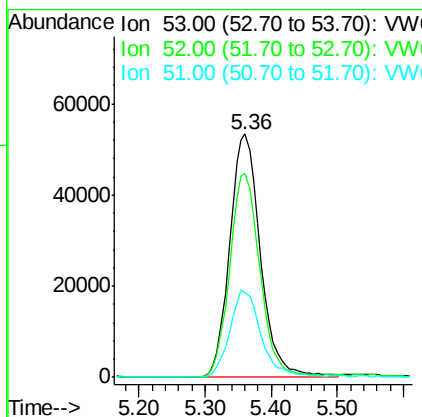
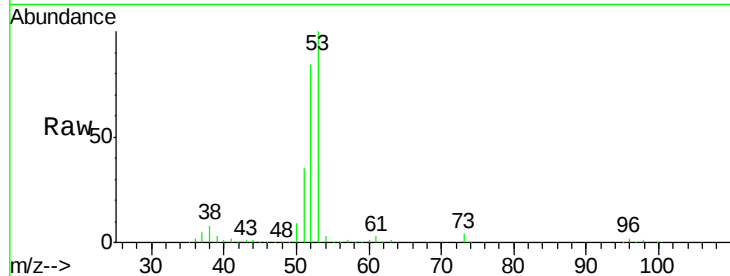
#15
 Acrylonitrile
 Concen: 243.427 ug/l
 RT: 5.36 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.3	99.5
51	36.5	29.8	44.6

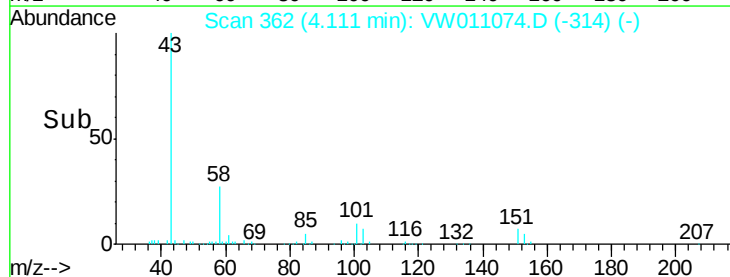
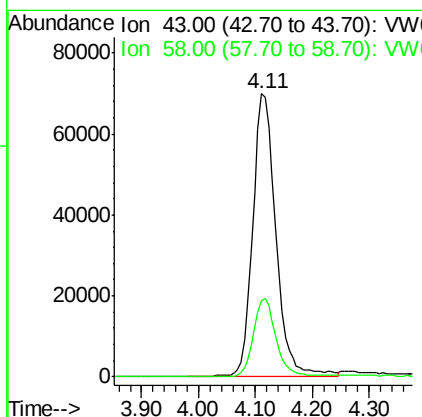
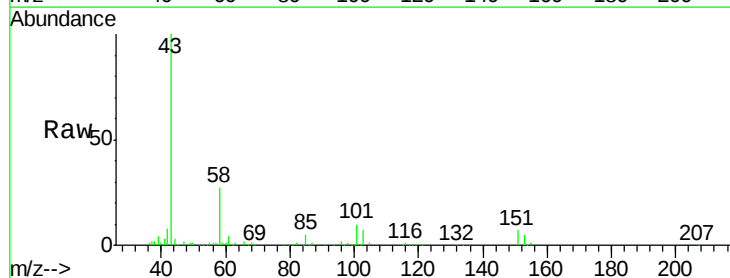
Manual Integrations
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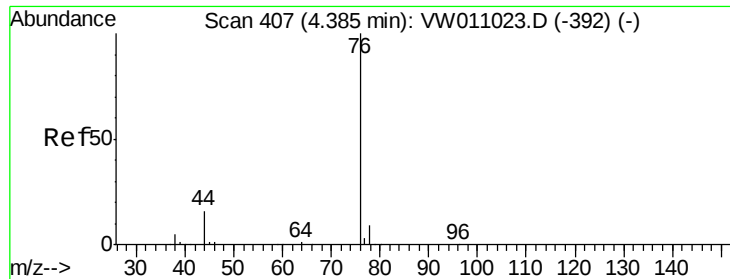
MMDadoda
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#16
 Acetone
 Concen: 263.747 ug/l
 RT: 4.11 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.7	22.5	33.7





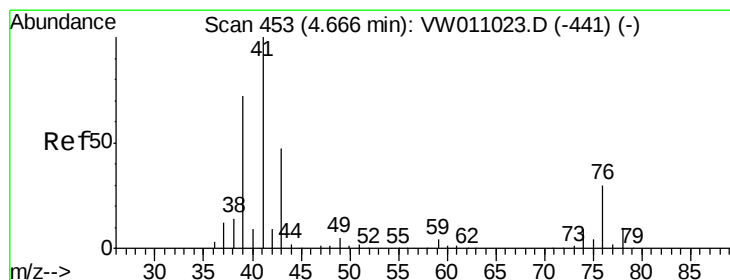
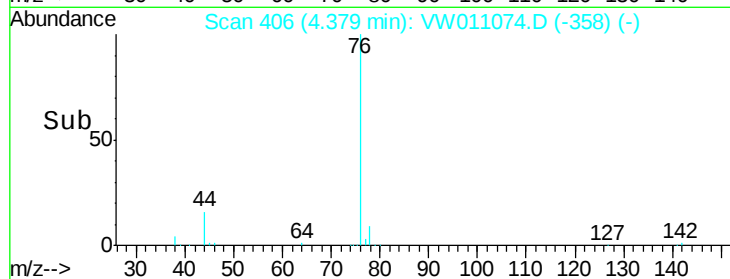
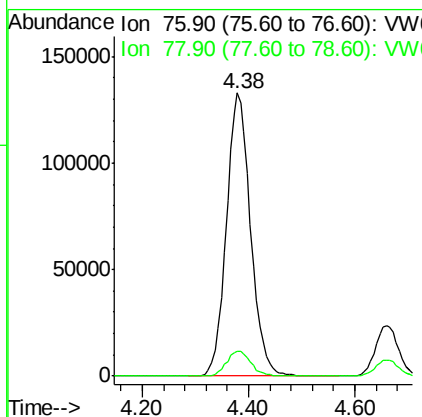
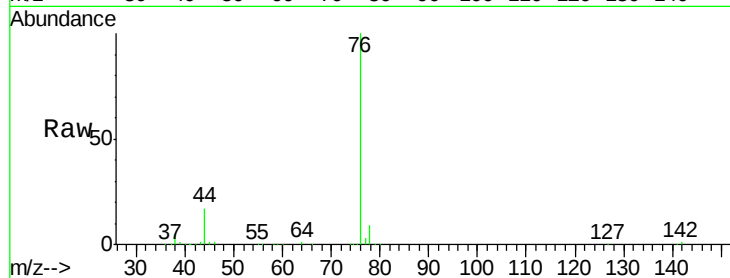
#17
Carbon Disulfide
Concen: 55.734 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 76 Resp: 419943
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

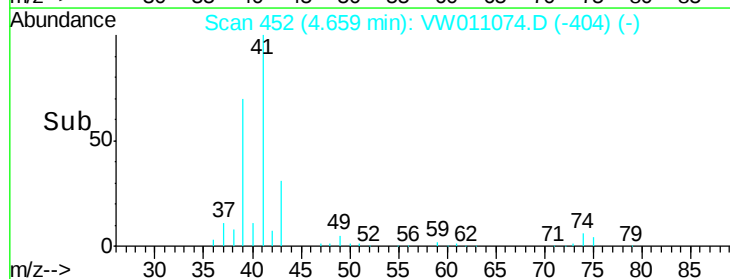
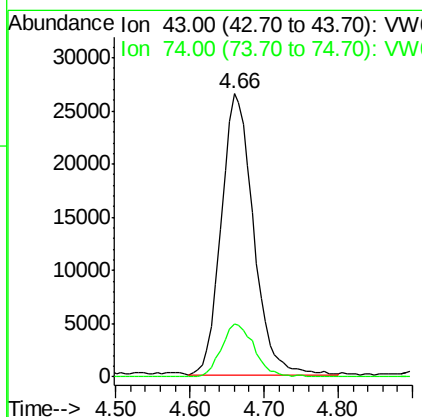
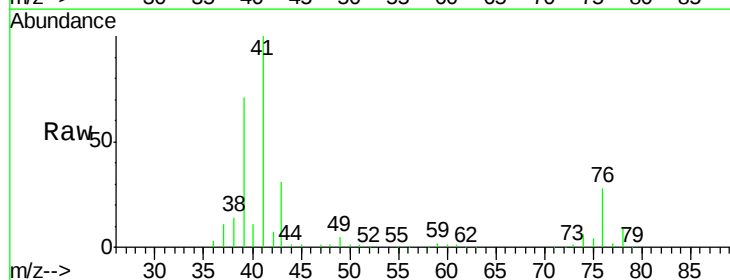
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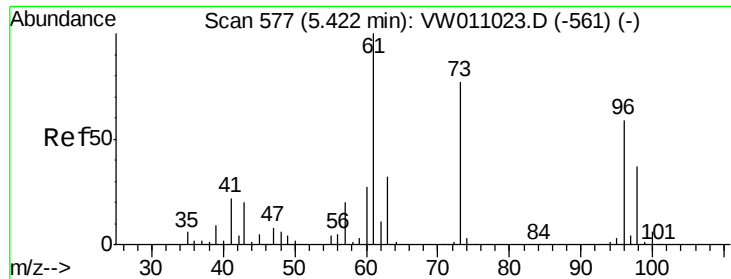
MMDadoda
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#18
Methyl Acetate
Concen: 40.990 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 43 Resp: 79495
Ion Ratio Lower Upper
43 100
74 19.1 15.8 23.8





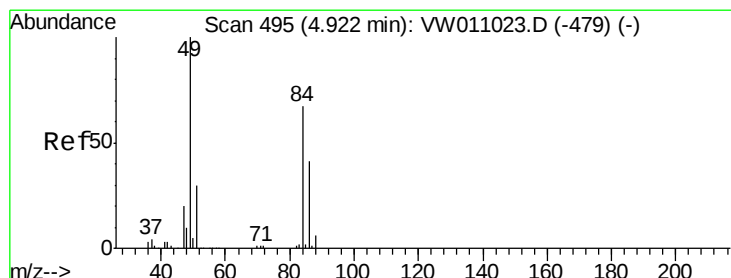
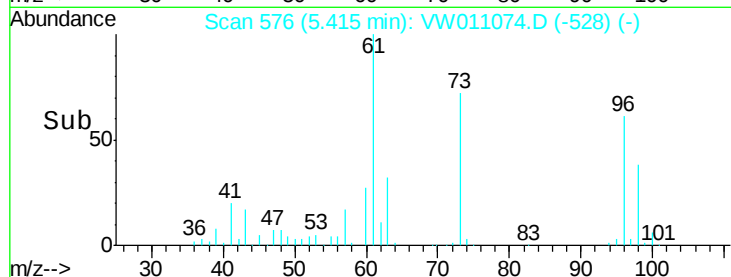
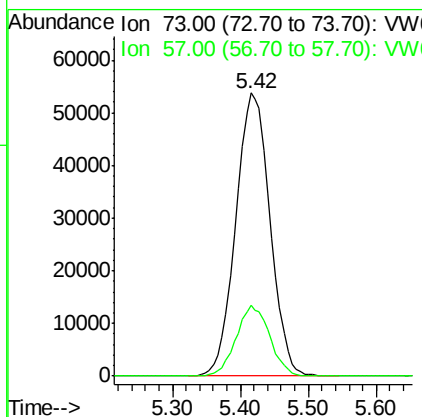
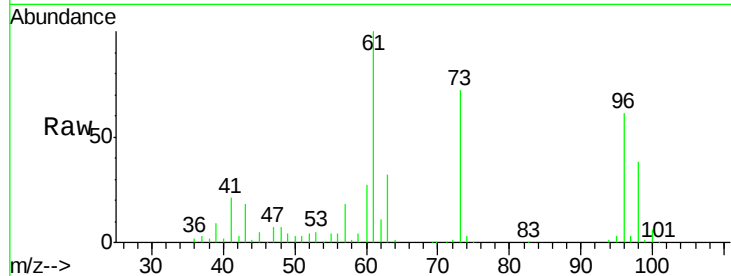
#19
Methyl tert-butyl Ether
Concen: 50.089 ug/l
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 188291
Ion Ratio Lower Upper
73 100
57 24.9 20.8 31.2

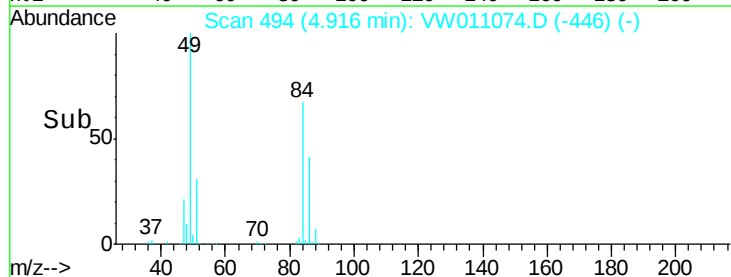
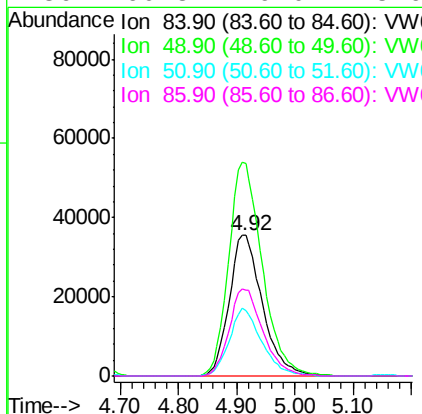
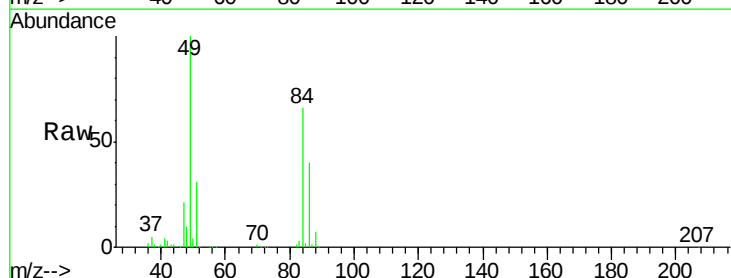
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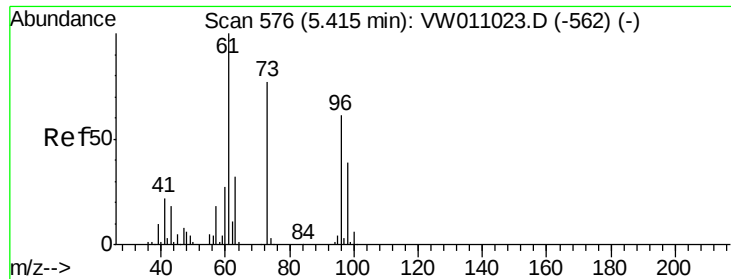
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#20
Methylene Chloride
Concen: 46.256 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 84 Resp: 140707
Ion Ratio Lower Upper
84 100
49 151.1 119.6 179.4
51 46.3 35.6 53.4
86 60.8 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 51.514 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

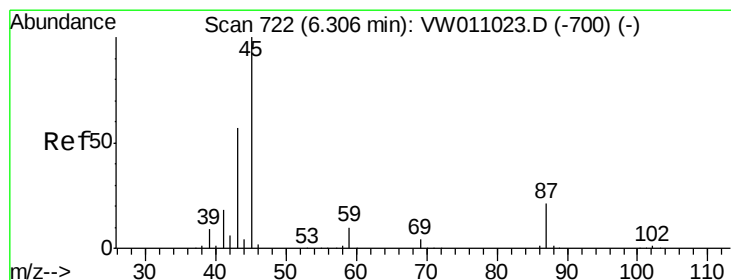
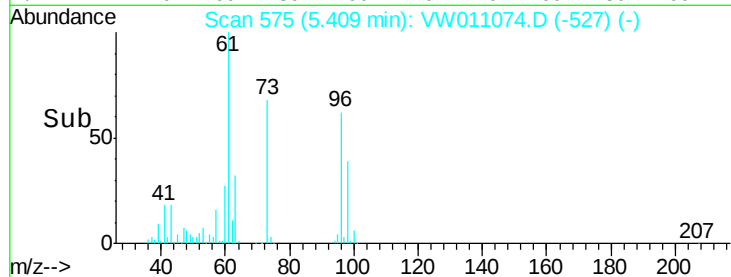
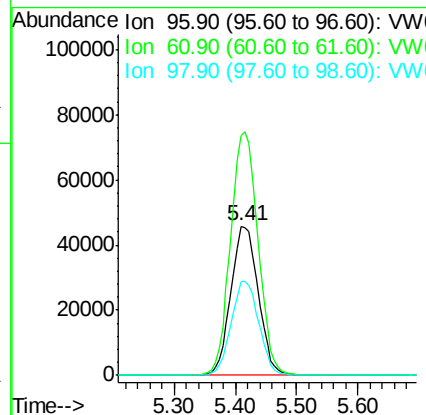
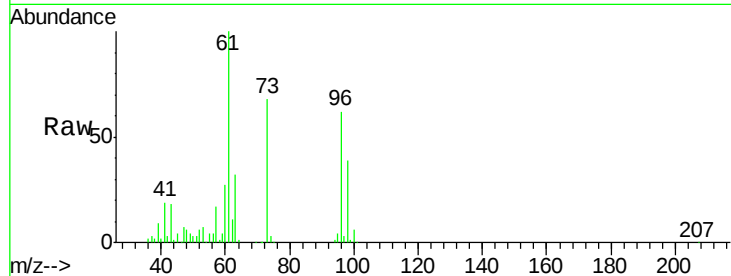
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	140982
Ion	Ratio	Lower	Upper
96	100		
61	161.1	131.0	196.4
98	62.6	50.8	76.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.746 ug/l

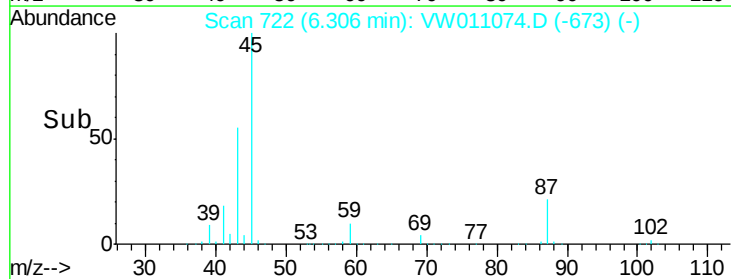
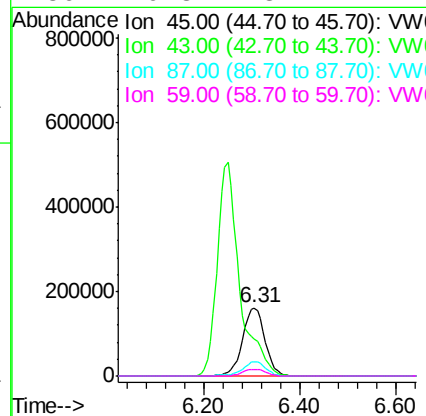
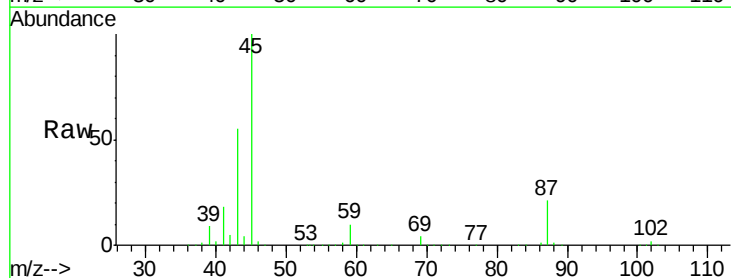
RT: 6.31 min Scan# 722

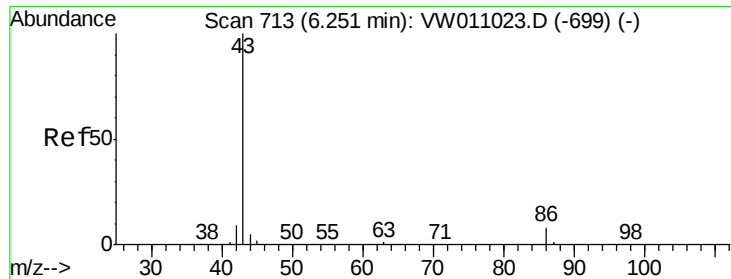
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	45	Resp:	522010
Ion	Ratio	Lower	Upper
45	100		
43	54.5	45.8	68.6
87	21.2	17.1	25.7
59	10.3	8.2	12.4





#23

Vinyl Acetate

Concen: 258.862 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1640725

Ion Ratio Lower Upper

43 100

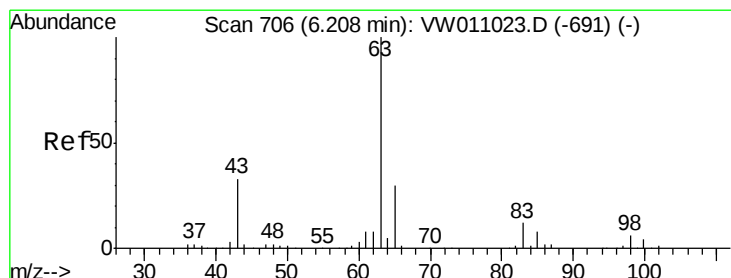
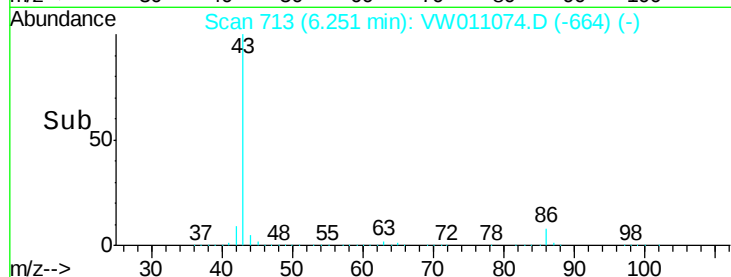
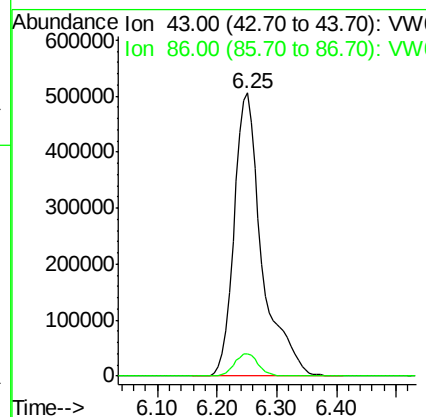
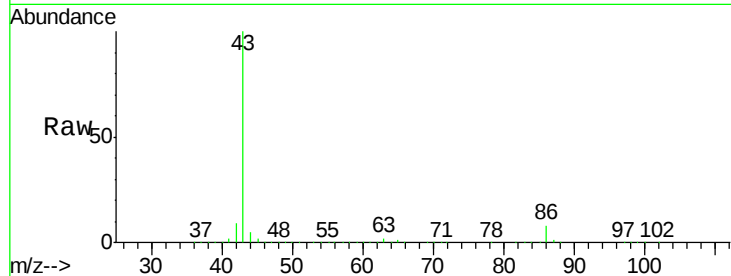
86 7.9 6.6 10.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 51.157 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

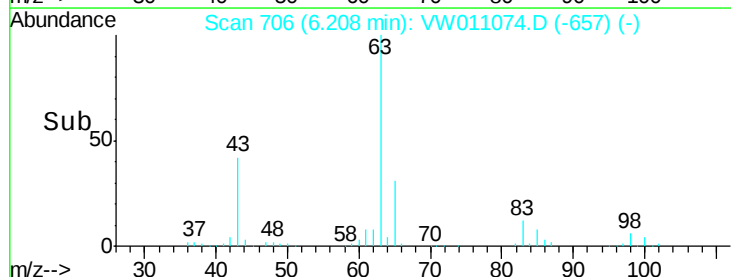
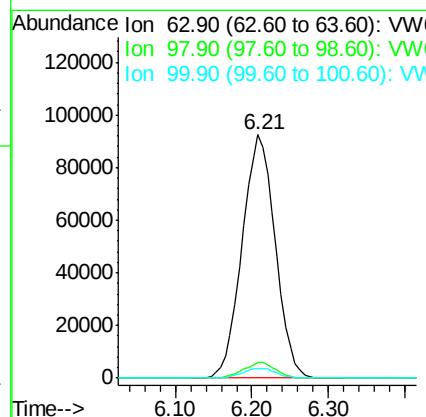
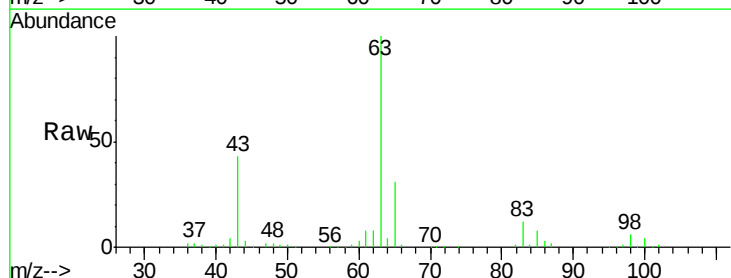
Tgt Ion: 63 Resp: 277771

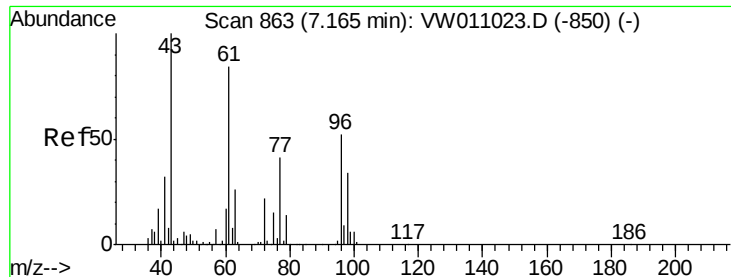
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.0 2.1 6.2





#25

2-Butanone

Concen: 234.470 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 266836

Ion Ratio Lower Upper

43 100

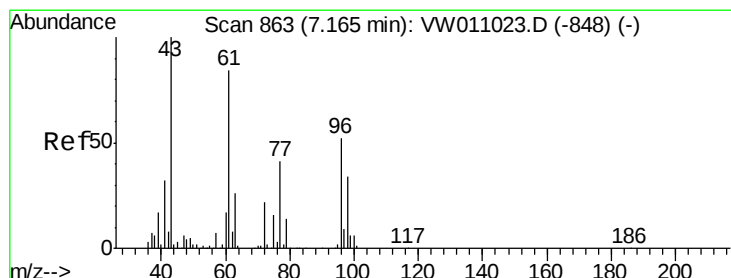
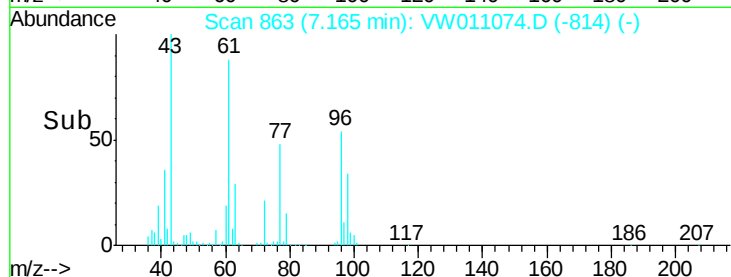
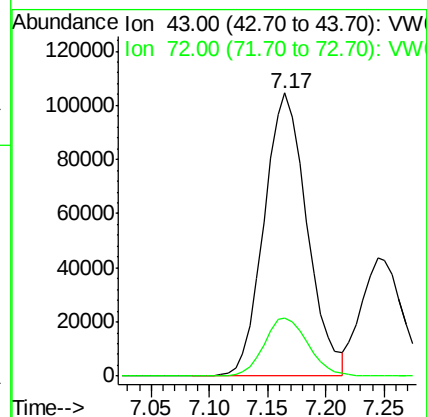
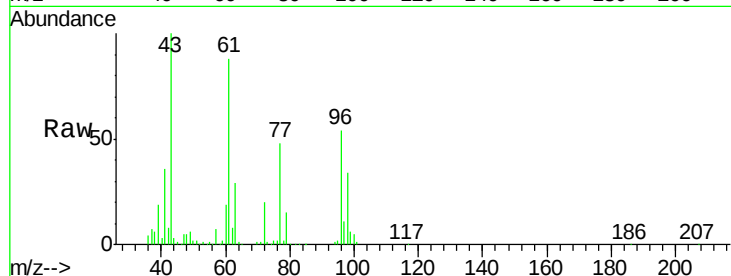
72 20.5 17.2 25.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 53.581 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW011074.D

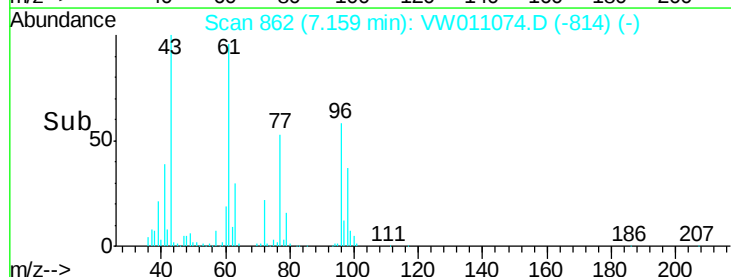
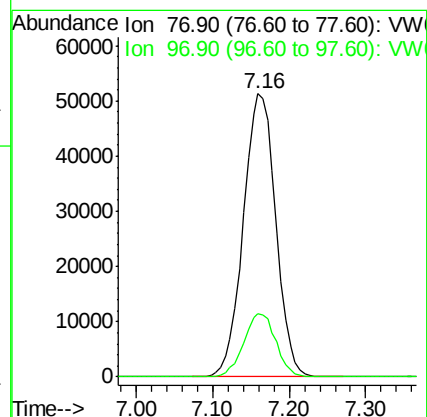
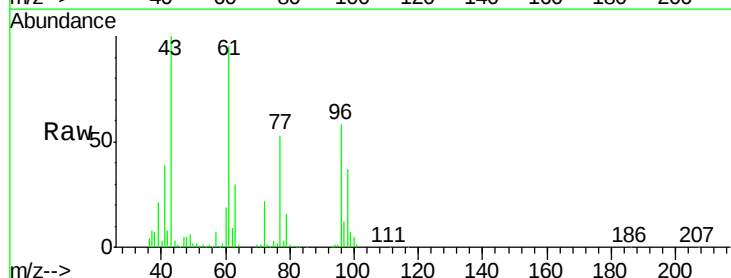
Acq: 01 Jul 2019 10:05

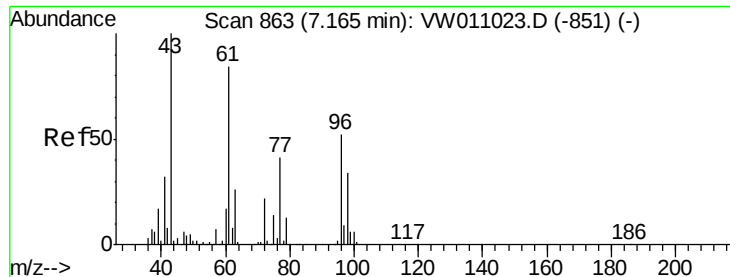
Tgt Ion: 77 Resp: 151056

Ion Ratio Lower Upper

77 100

97 22.1 10.9 32.7





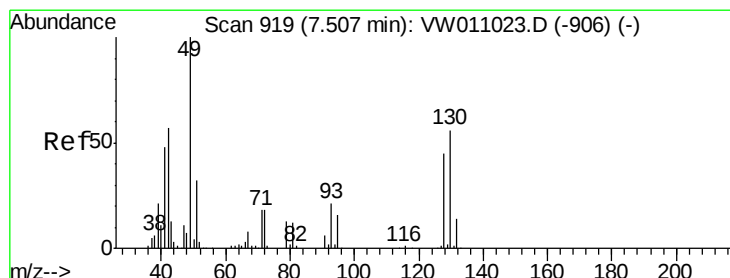
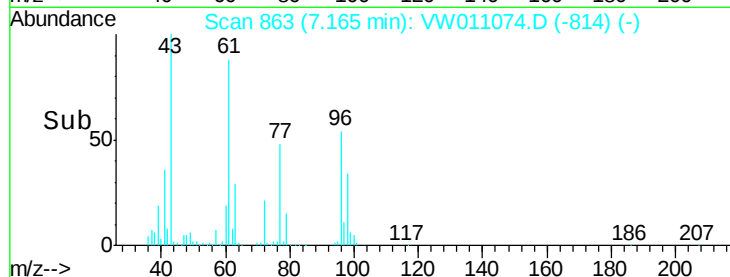
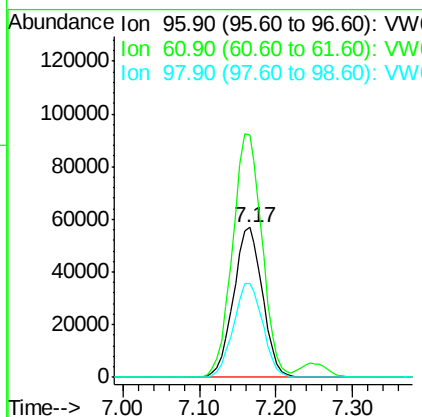
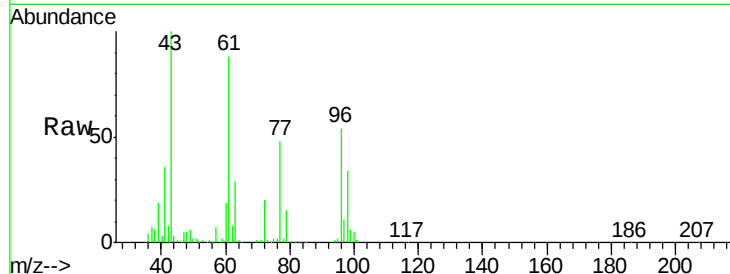
#27
 cis-1,2-Dichloroethene
 Concen: 50.697 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	164.9	0.0	330.4
98	63.6	0.0	129.4

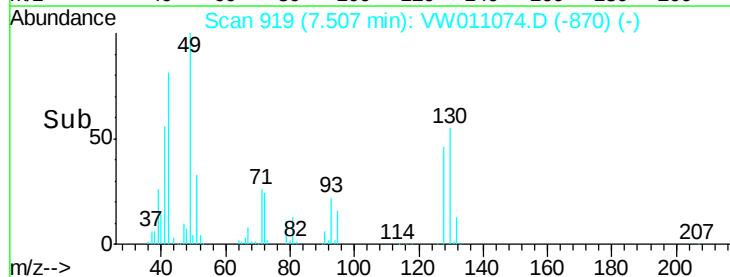
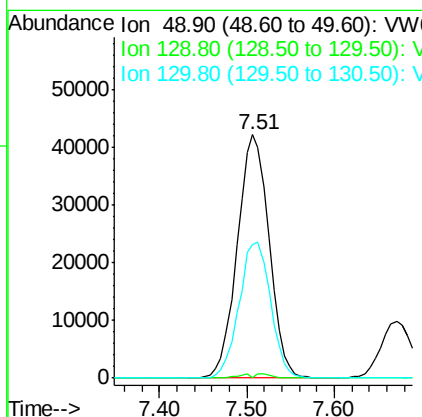
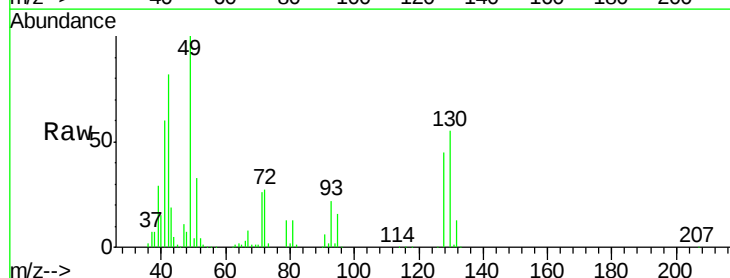
Manual Integrations
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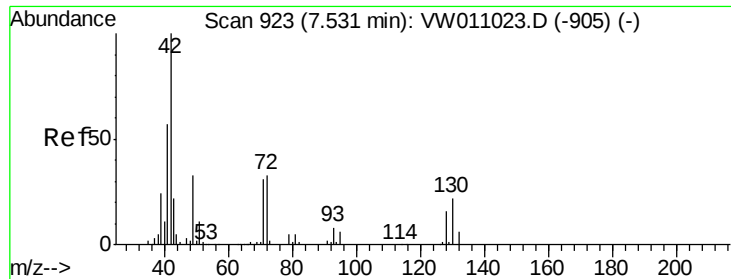
MMDadoda
 7/2/2019 3:52:31 PM



#28
 Bromochloromethane
 Concen: 42.247 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.4
130	55.5	46.1	69.1





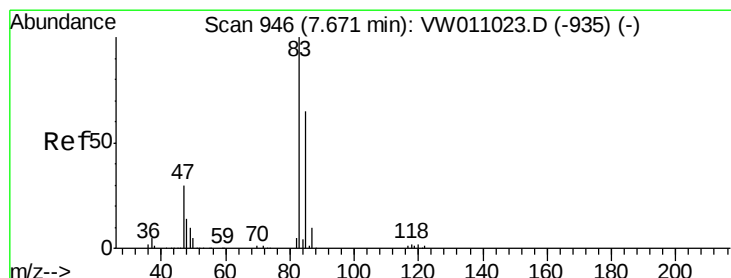
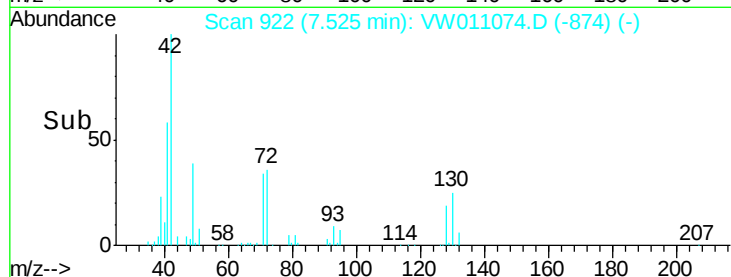
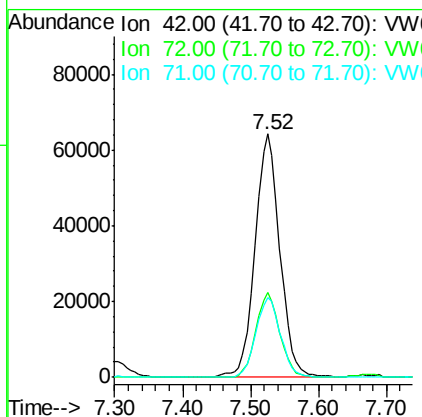
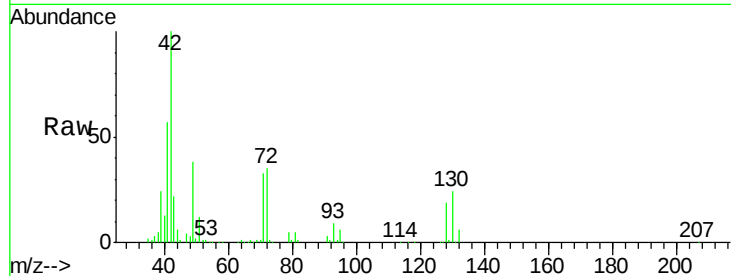
#29
Tetrahydrofuran
Concen: 231.907 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.7	27.4	41.0
71	32.5	25.6	38.4

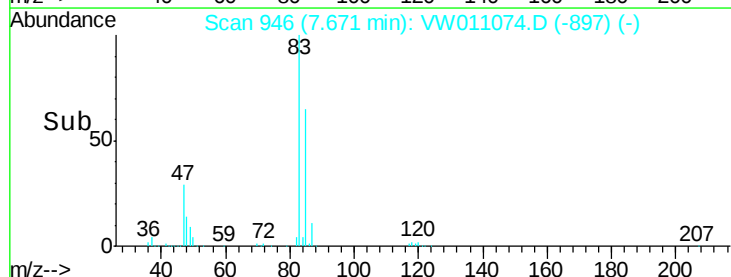
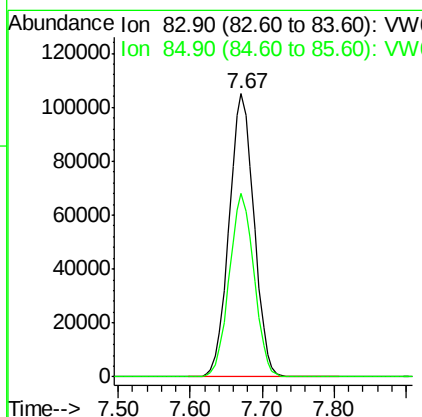
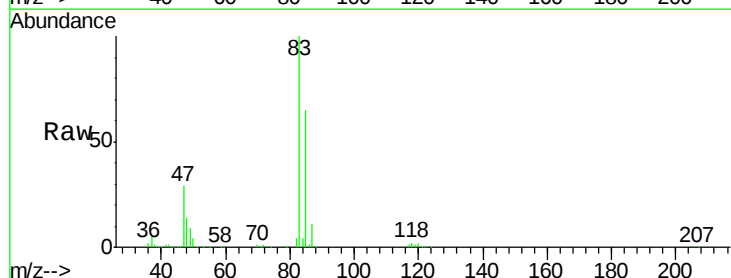
Manual Integrations
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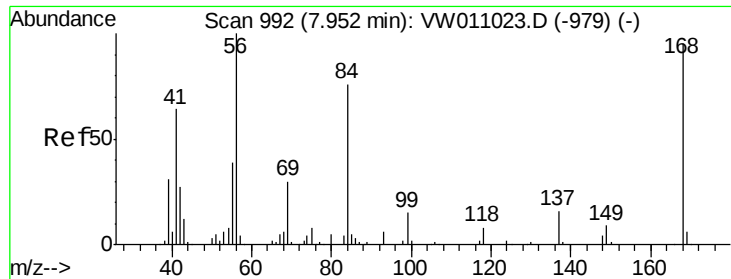
MMDadoda
7/2/2019 3:52:31 PM



#30
Chloroform
Concen: 51.093 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.2	78.4





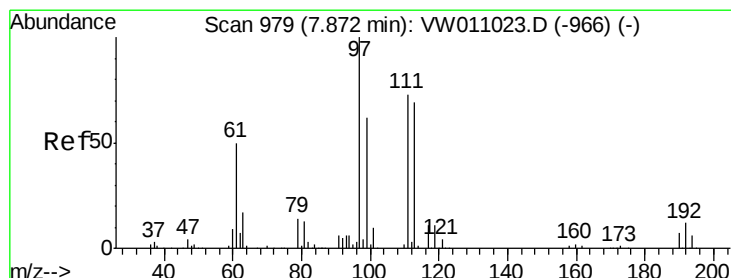
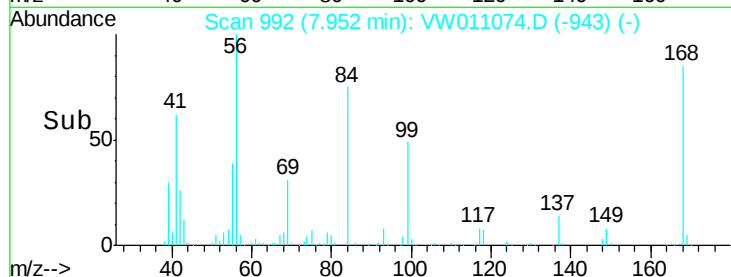
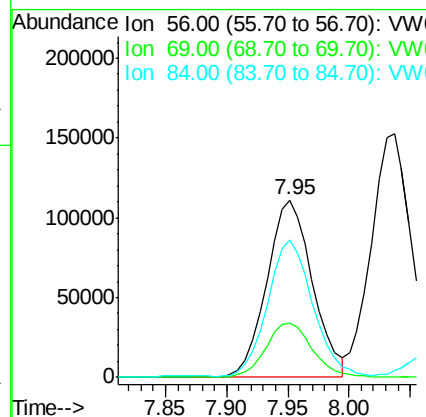
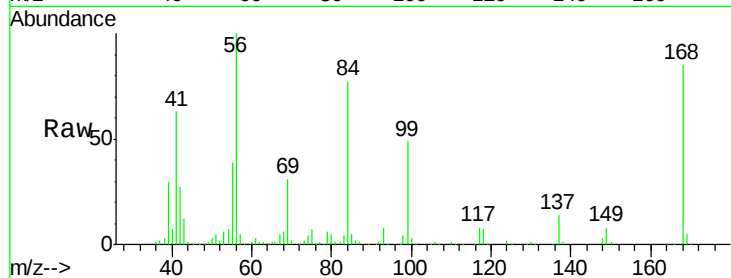
#31
Cyclohexane
Concen: 49.197 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.2	36.2
84	76.2	60.6	90.8

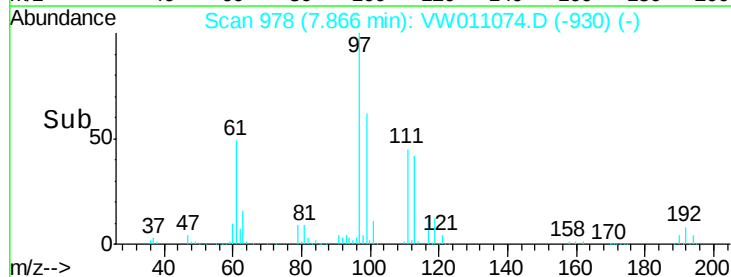
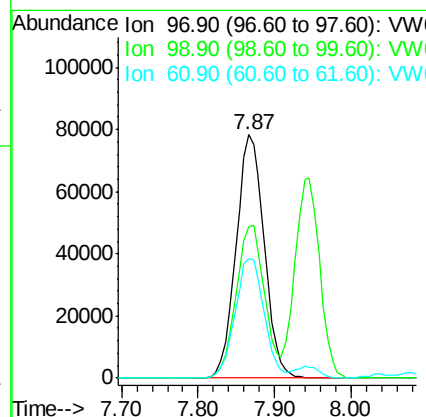
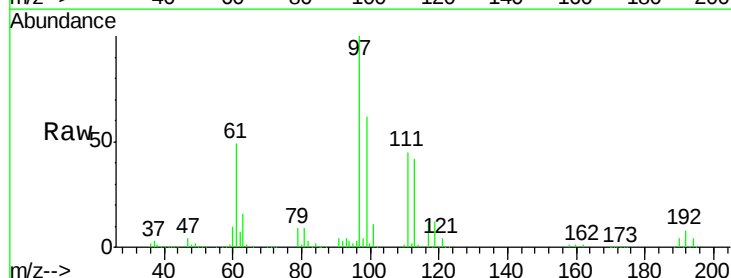
Manual Integrations
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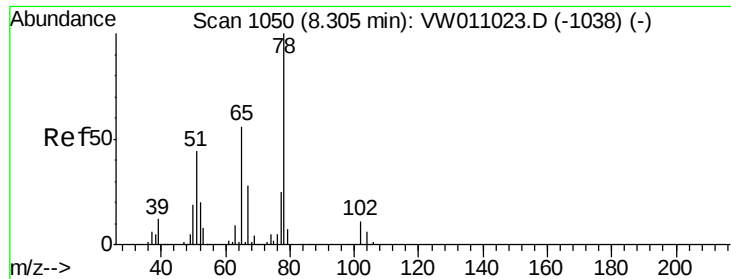
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 53.956 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	50.5	41.4	62.2





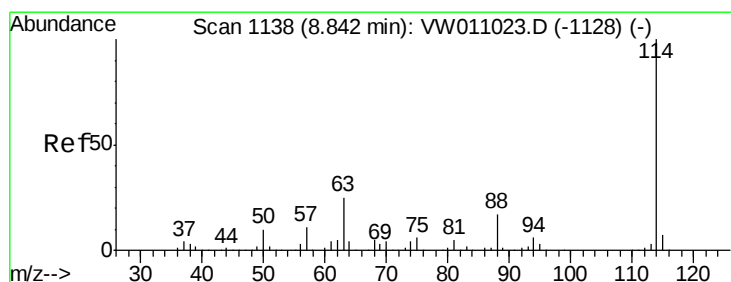
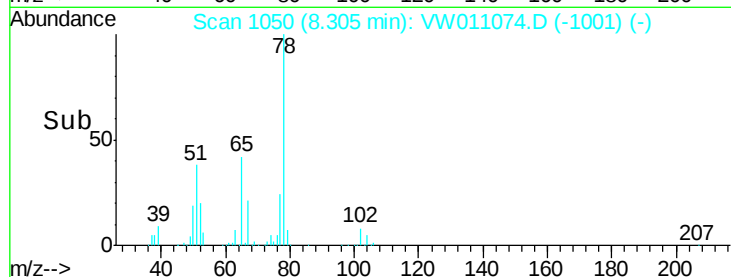
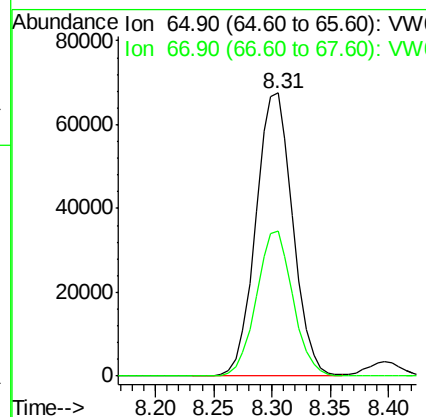
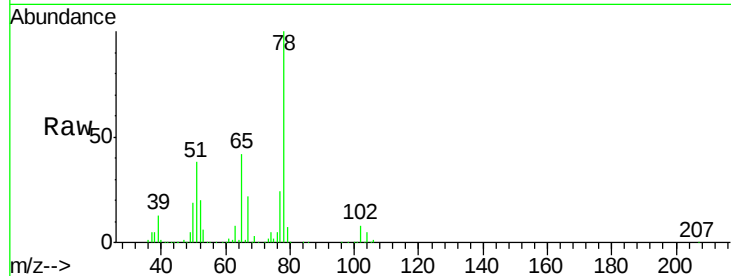
#33
 1,2-Dichloroethane-d4
 Concen: 48.699 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149372		
67	50.7	0.0	102.4	

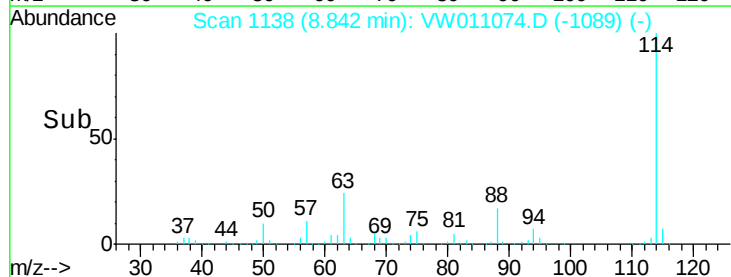
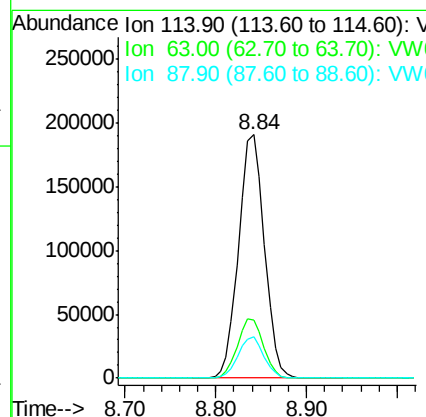
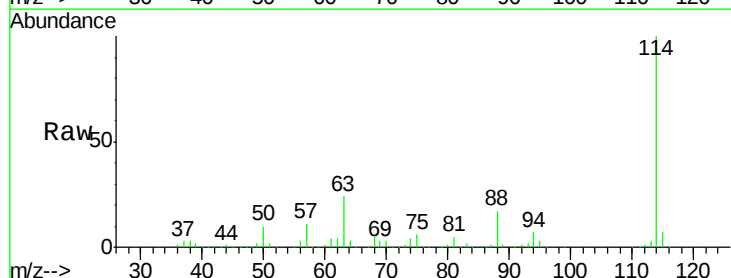
Manual Integrations
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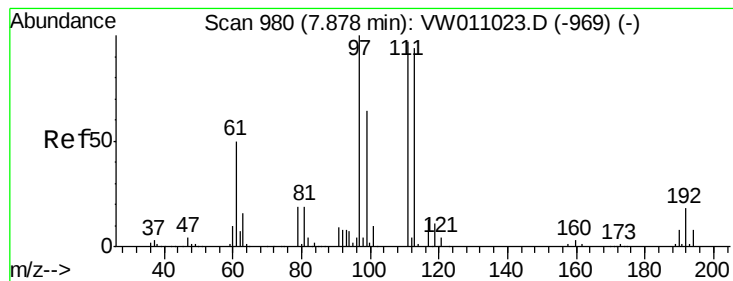
MMDadoda
 7/2/2019 3:52:31 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	377666		
63	23.9	0.0	50.6	
88	16.8	0.0	34.0	





#35

Dibromofluoromethane

Concen: 51.544 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

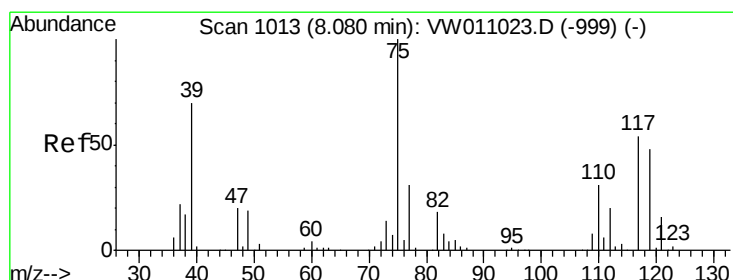
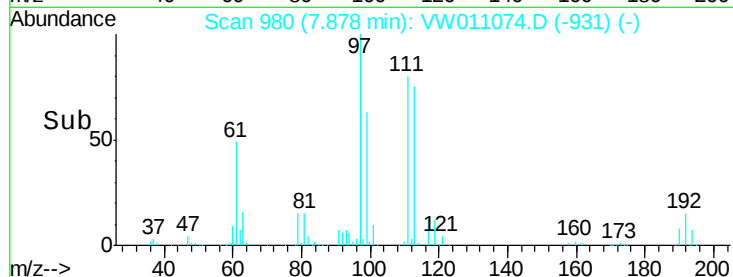
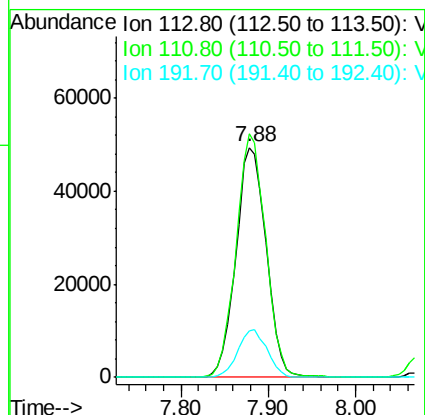
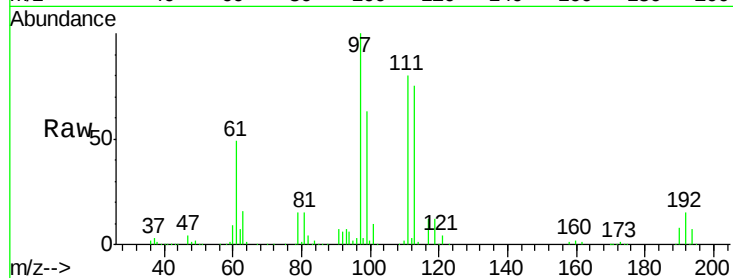
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	118870
Ion	Ratio	Lower	Upper
113	100		
111	103.5	83.8	125.6
192	20.1	16.0	24.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.223 ug/l

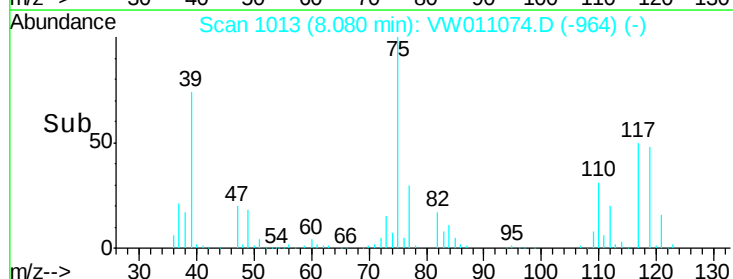
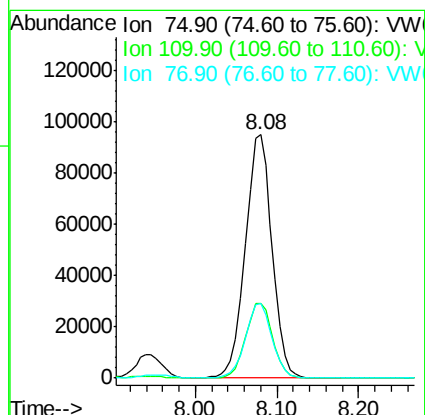
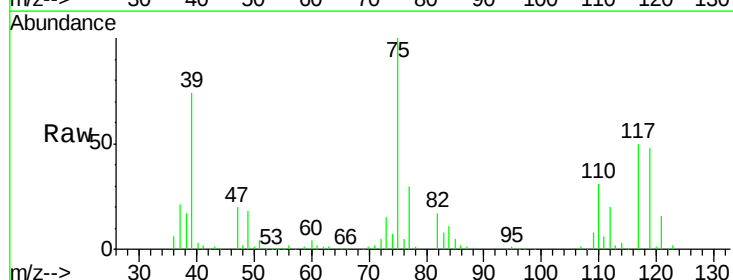
RT: 8.08 min Scan# 1013

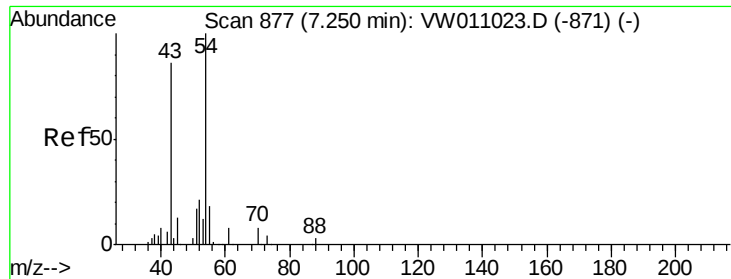
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	75	Resp:	216042
Ion	Ratio	Lower	Upper
75	100		
110	31.1	15.5	46.5
77	30.7	24.9	37.3





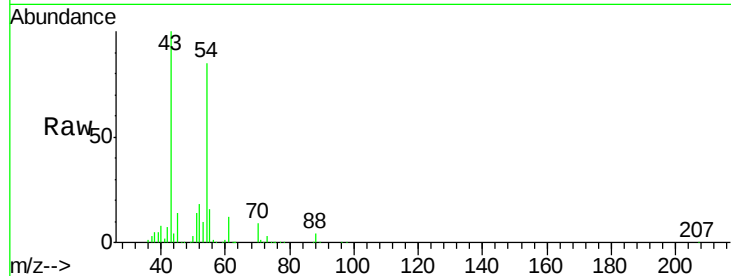
#37
Ethyl Acetate
Concen: 46.907 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

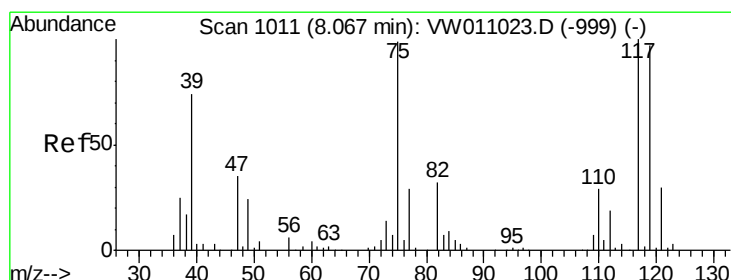
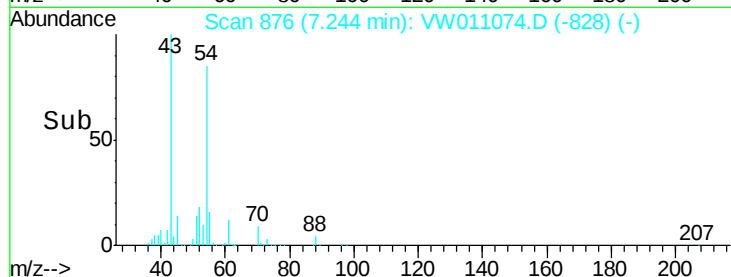
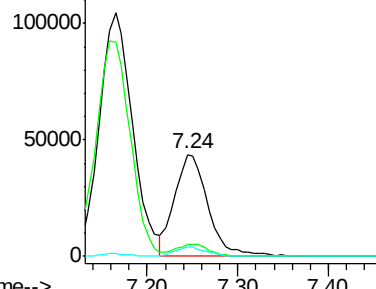
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.0	13.4
70	8.6	7.2	10.8

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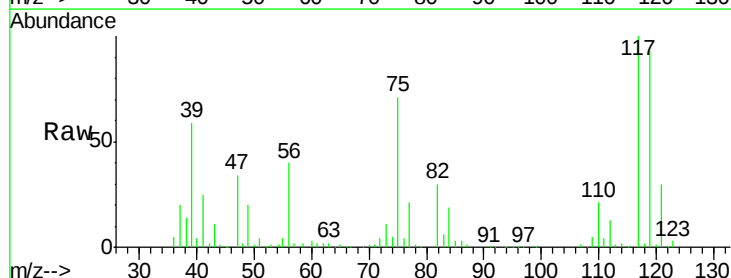


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

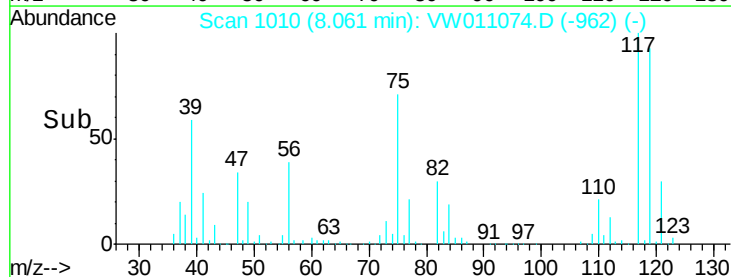
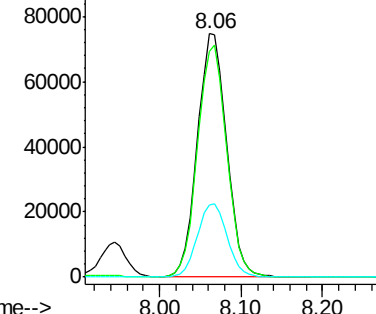


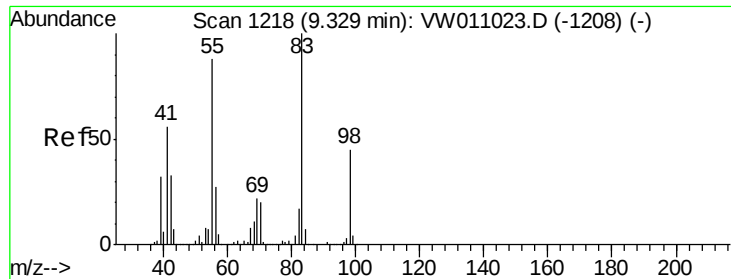
#38
Carbon Tetrachloride
Concen: 55.212 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	77.7	116.5
121	29.7	23.9	35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





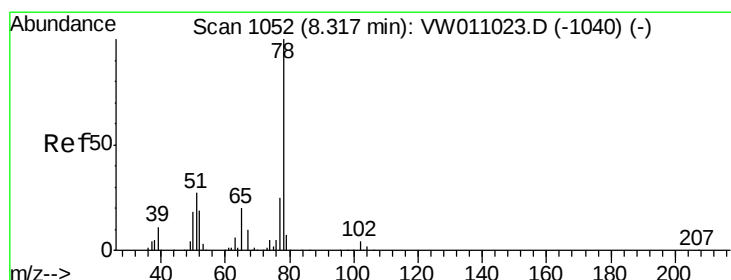
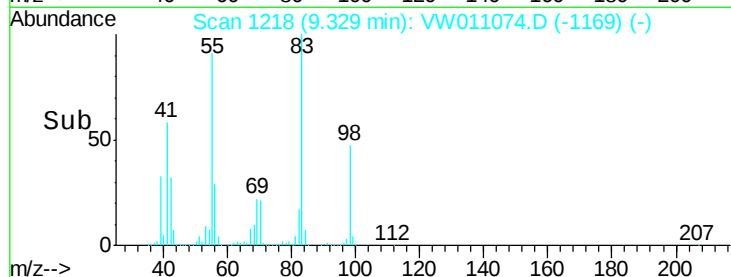
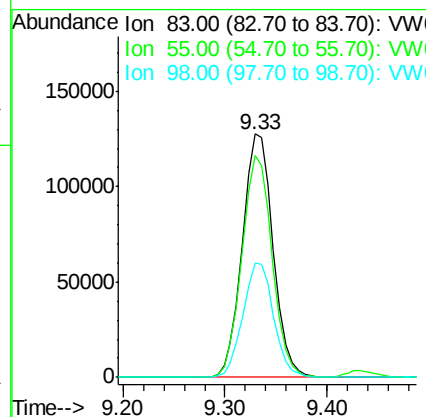
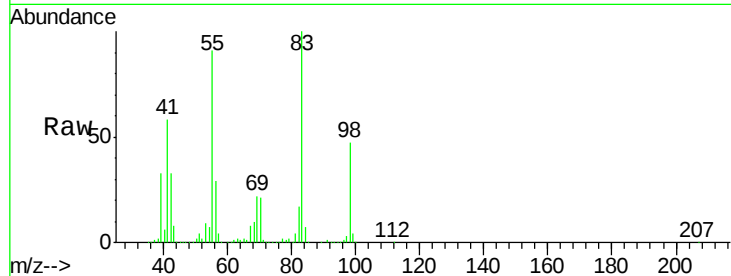
#39
Methvlcvclohexane
Concen: 53.459 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.4	70.7	106.1
98	47.1	36.4	54.6

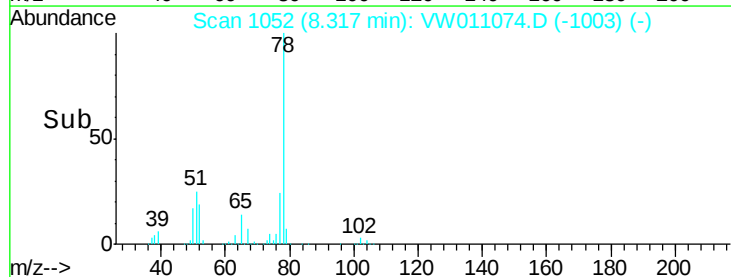
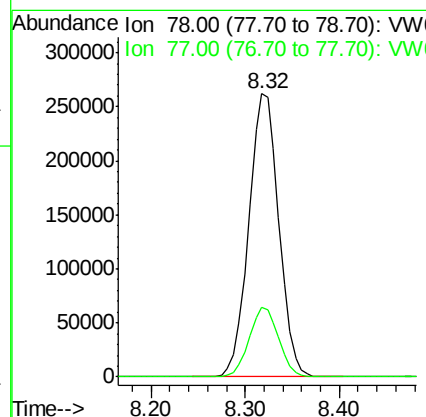
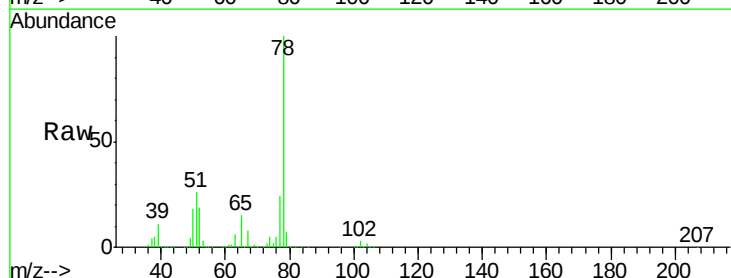
Manual Integrations
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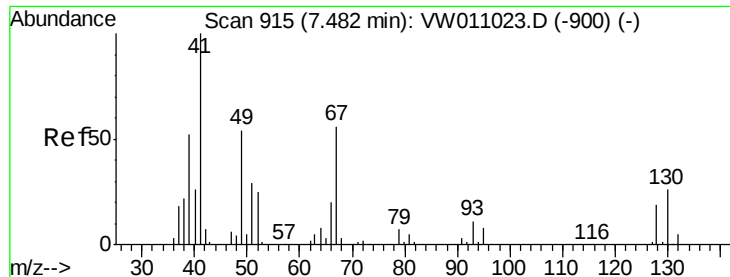
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#40
Benzene
Concen: 52.379 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.7	29.5





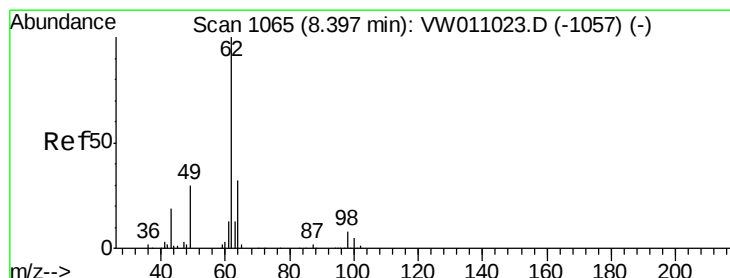
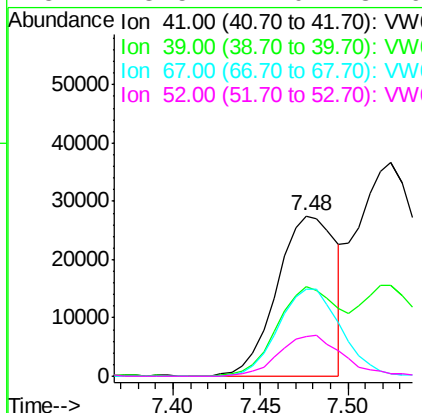
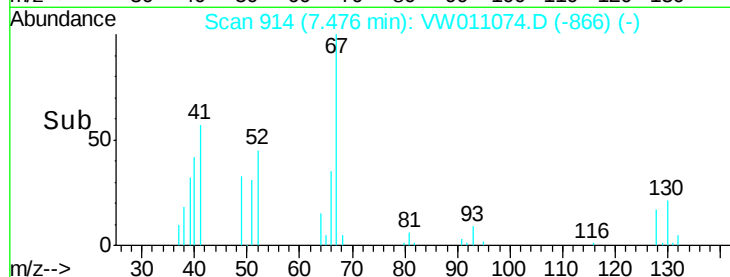
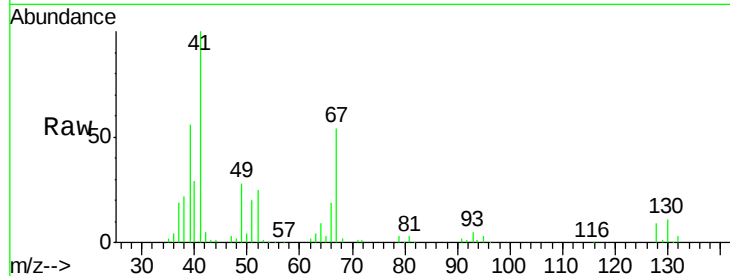
#41
Methacrylonitrile
Concen: 44.660 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	64163
Ion	Ratio	Lower	Upper
41	100		
39	60.1	42.1	63.1
67	59.1	44.2	66.2
52	28.5	21.0	31.6

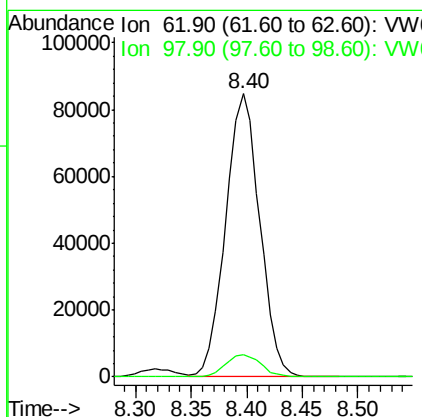
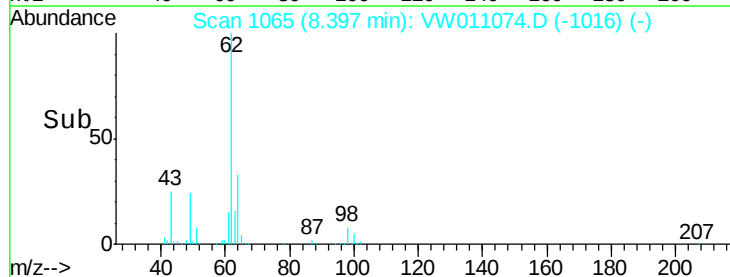
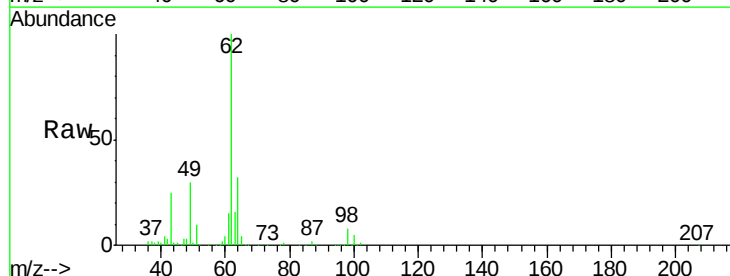
Manual Integrations
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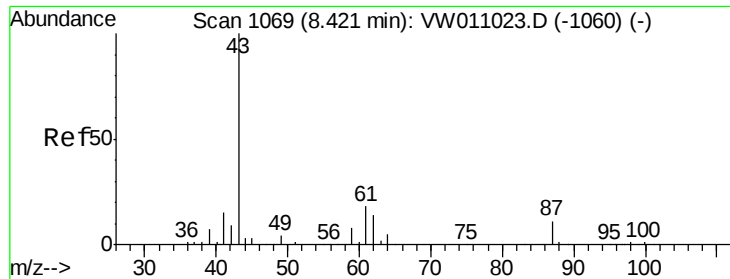
MMDadoda
7/2/2019 3:52:31 PM



#42
1,2-Dichloroethane
Concen: 49.226 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion:	62	Resp:	180200
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.8





#43

Isopropyl Acetate

Concen: 48.523 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

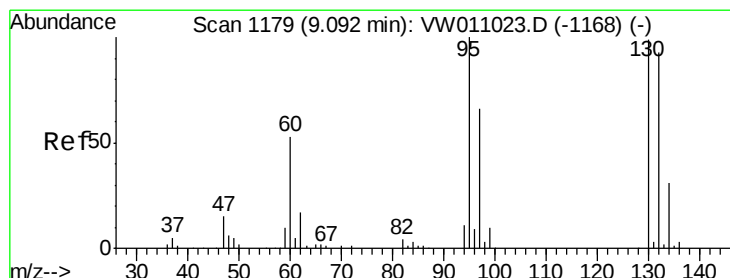
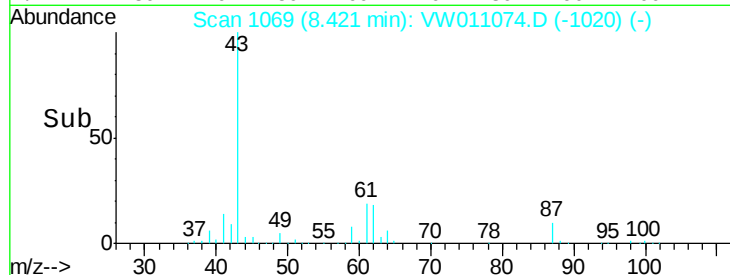
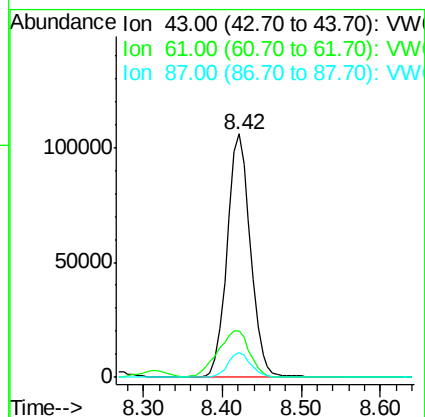
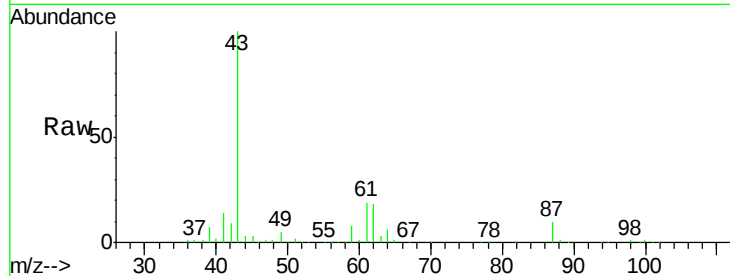
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	216764
Ion	Ratio	Lower	Upper
43	100		
61	26.3	21.0	31.6
87	10.1	8.2	12.4

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#44

Trichloroethene

Concen: 52.523 ug/l

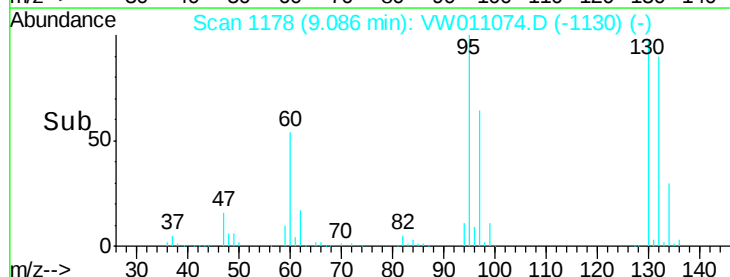
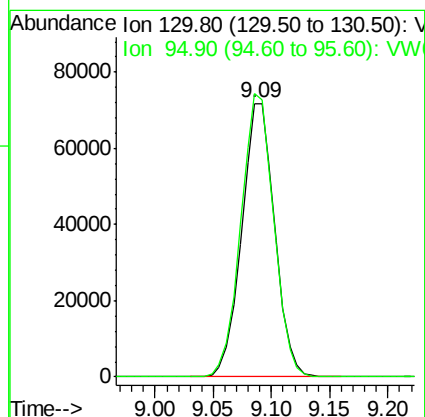
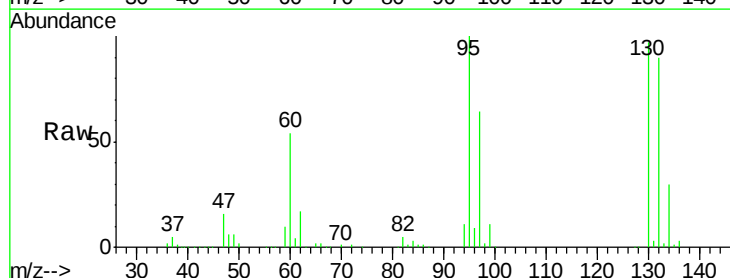
RT: 9.09 min Scan# 1178

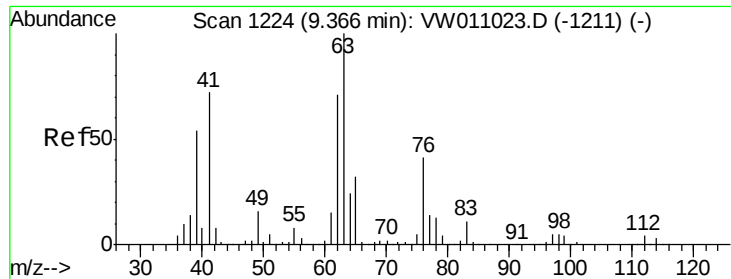
Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	130	Resp:	141719
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	202.0





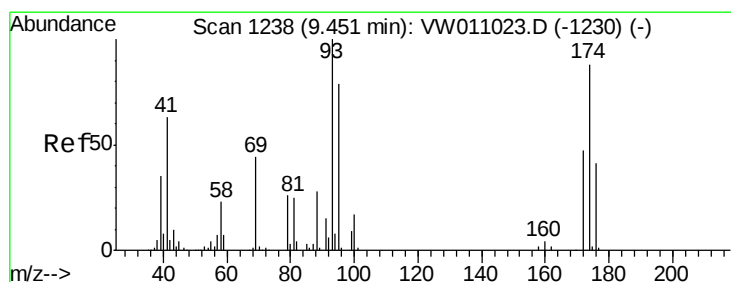
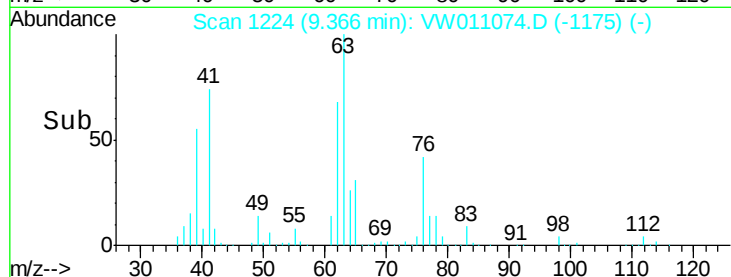
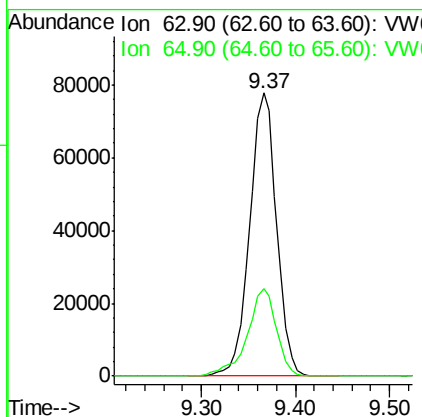
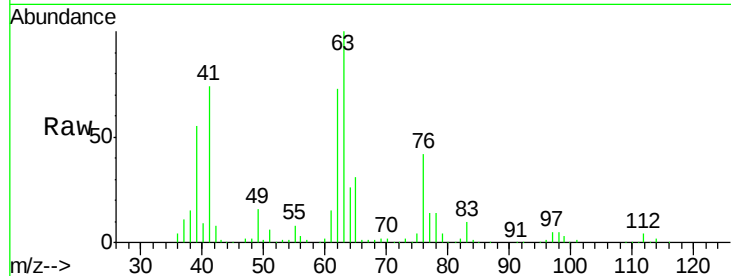
#45
 1,2-Dichloropropane
 Concen: 51.534 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 156243
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.6 38.4

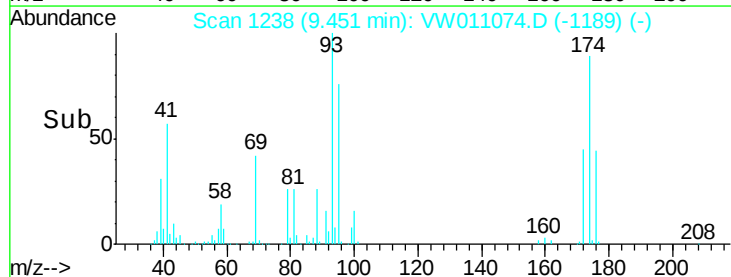
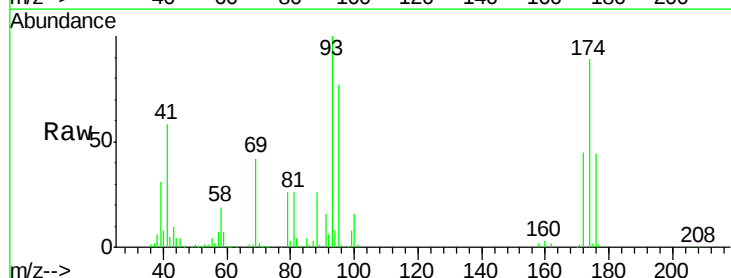
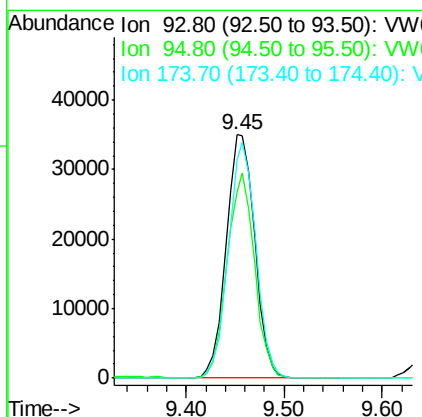
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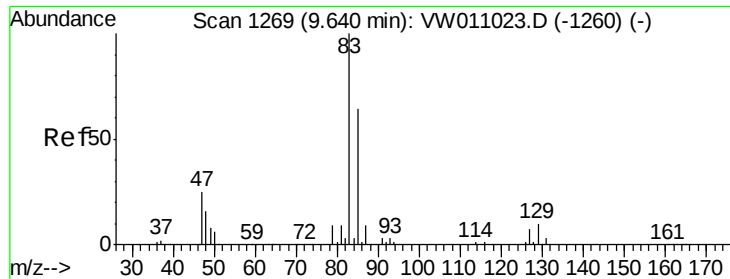
MMDadoda
 7/2/2019 3:52:31 PM



#46
 Dibromomethane
 Concen: 49.977 ug/l
 RT: 9.45 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion: 93 Resp: 70865
 Ion Ratio Lower Upper
 93 100
 95 80.8 65.8 98.6
 174 93.2 75.4 113.0





#47

Bromodichloromethane

Concen: 53.718 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

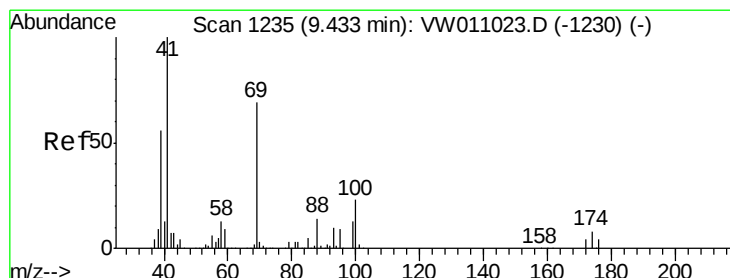
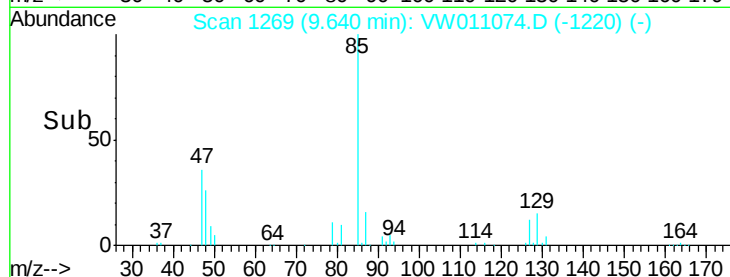
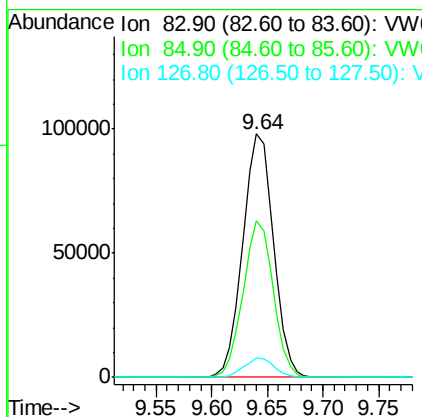
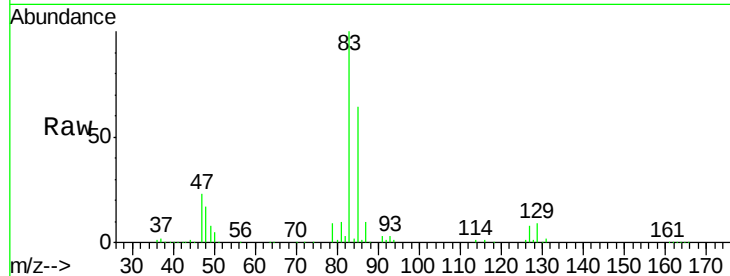
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	188585
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.0	76.4
127	7.8	5.8	8.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.583 ug/l

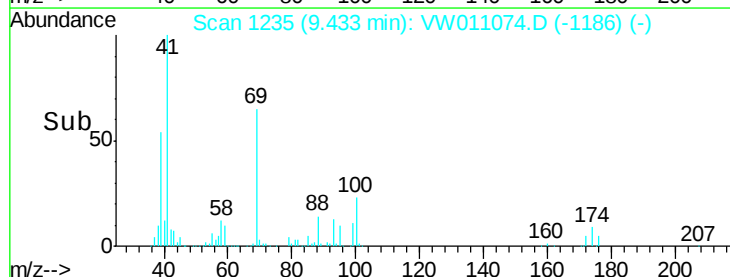
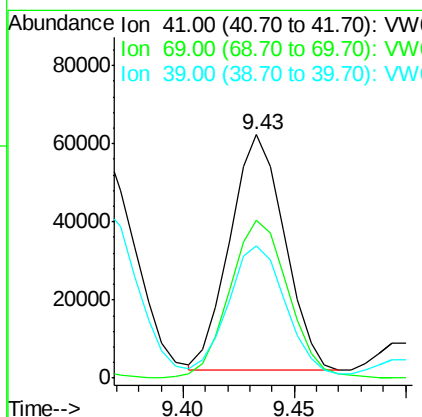
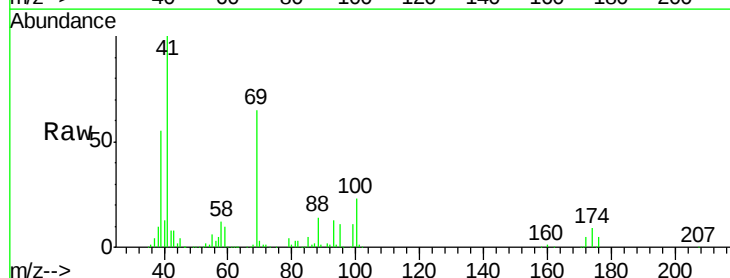
RT: 9.43 min Scan# 1235

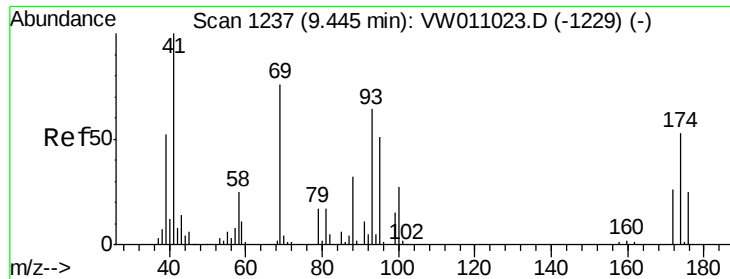
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	41	Resp:	103066
Ion Ratio	Lower	Upper	
41	100		
69	71.9	56.7	85.1
39	56.4	45.0	67.6





#49

1,4-Dioxane

Concen: 996.808 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

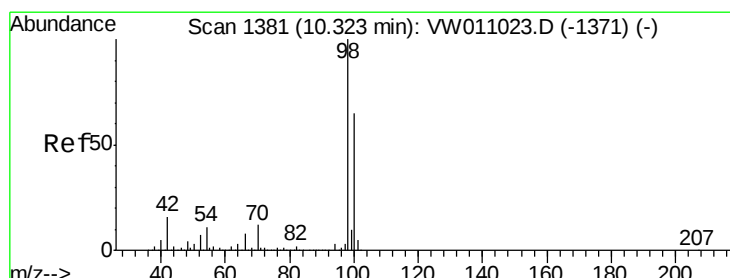
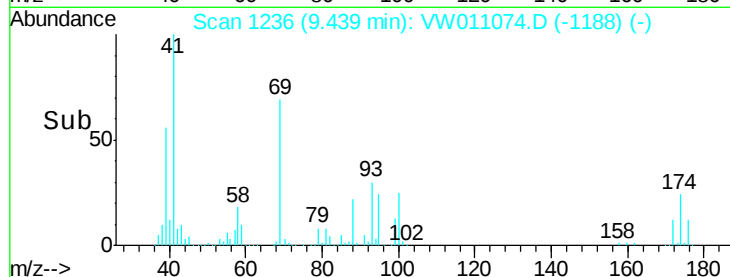
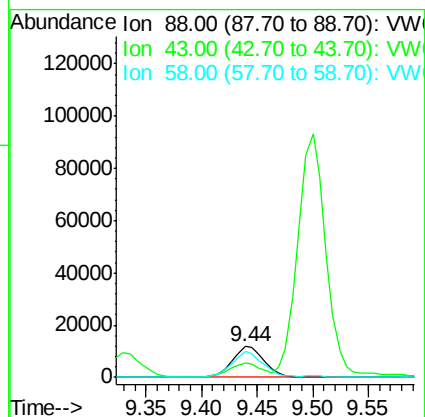
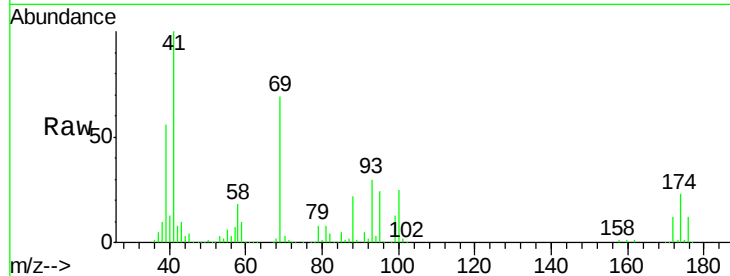
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	23765
Ion	Ratio	Lower	Upper
88	100		
43	44.3	34.4	51.6
58	80.9	65.2	97.8

Manual Integrations
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#50

Toluene-d8

Concen: 52.134 ug/l

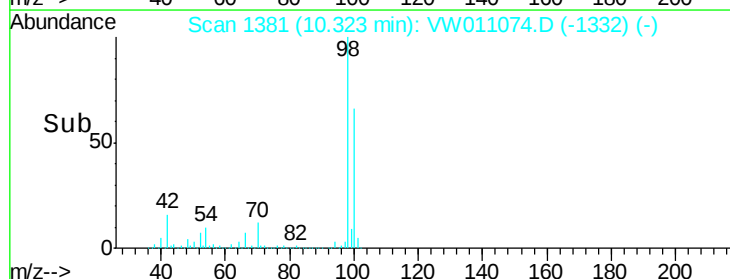
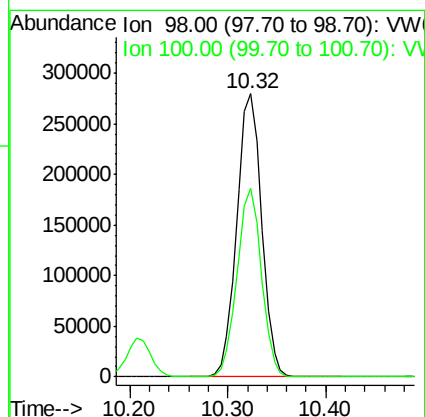
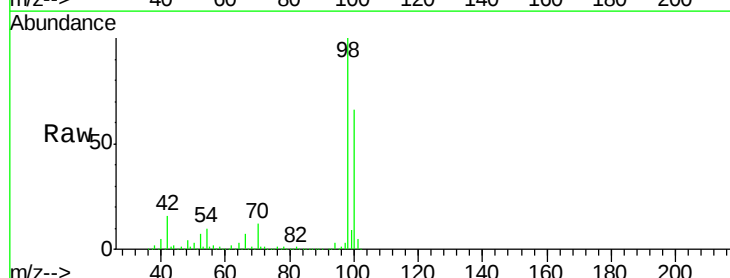
RT: 10.32 min Scan# 1381

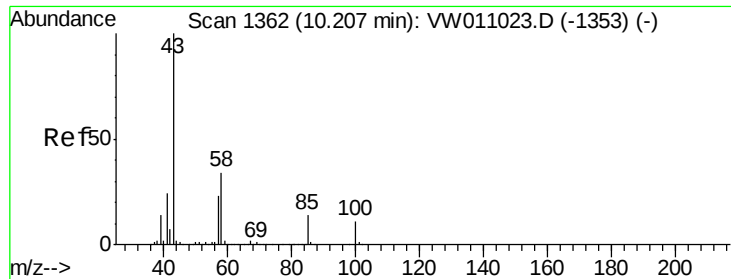
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	98	Resp:	494898
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 236.368 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 555819

Ion Ratio Lower Upper

43 100

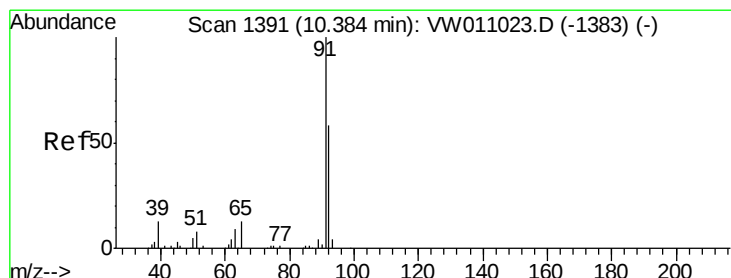
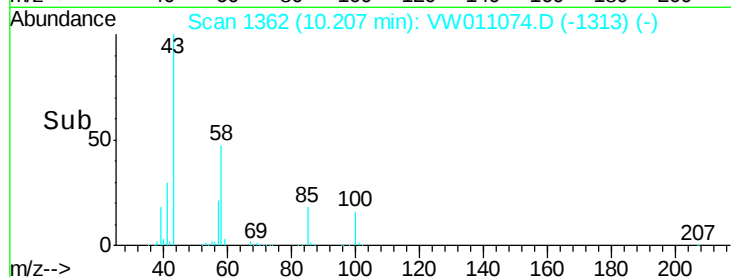
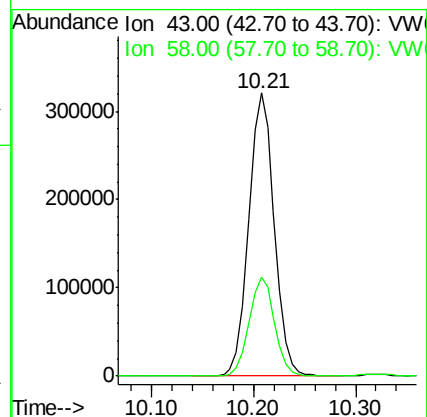
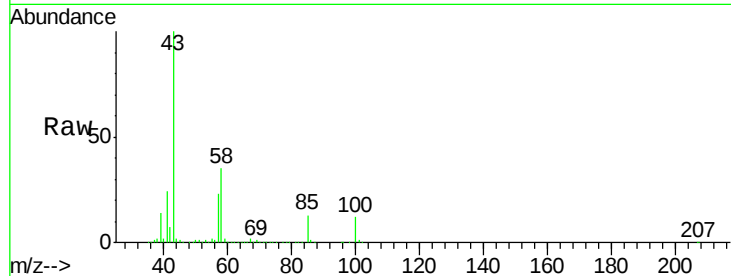
58 34.8 27.8 41.6

Manual Integrations

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#52

Toluene

Concen: 52.320 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011074.D

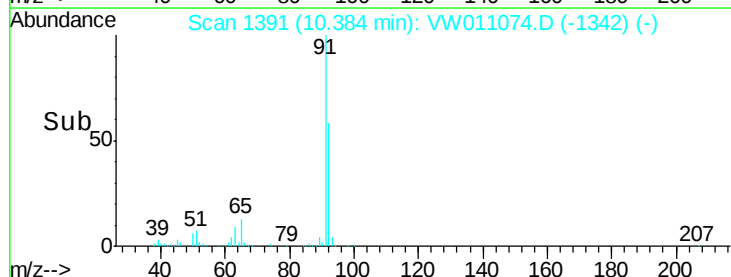
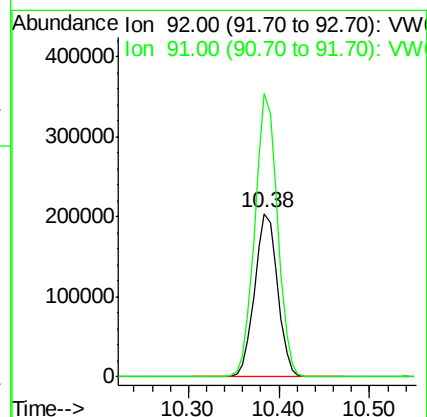
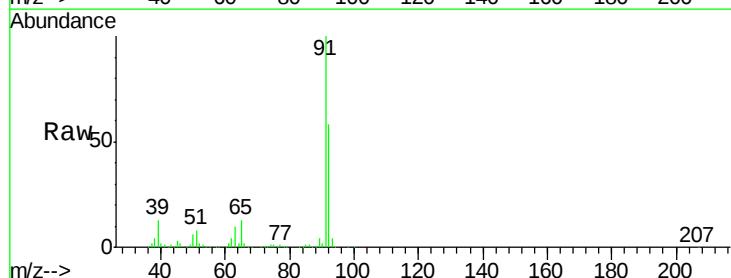
Acq: 01 Jul 2019 10:05

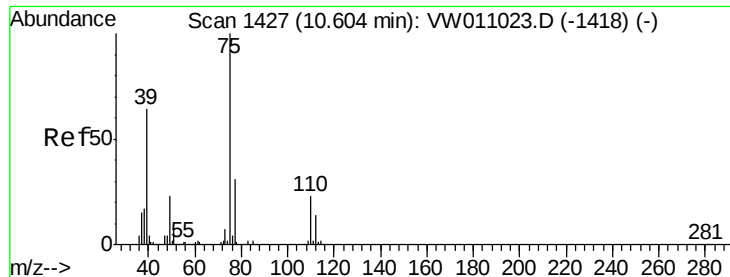
Tgt Ion: 92 Resp: 357628

Ion Ratio Lower Upper

92 100

91 171.4 136.9 205.3





#53

t-1,3-Dichloropropene

Concen: 54.100 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 197826

Ion Ratio Lower Upper

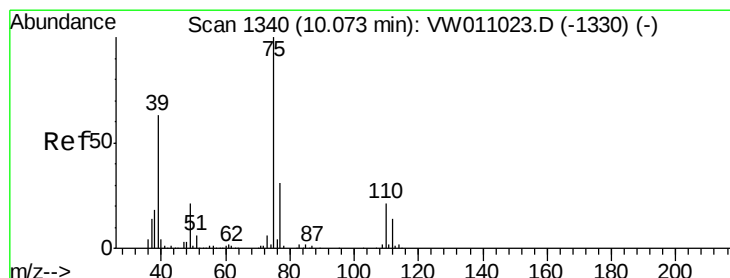
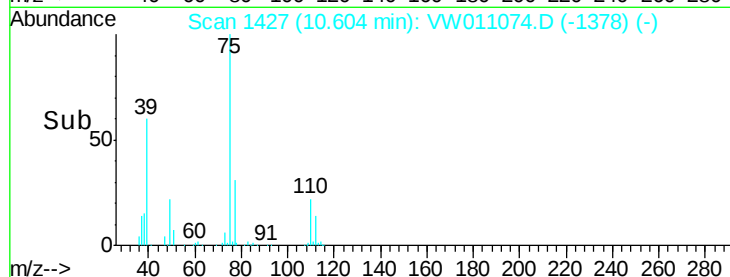
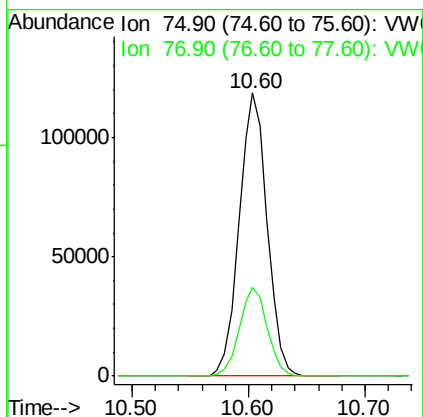
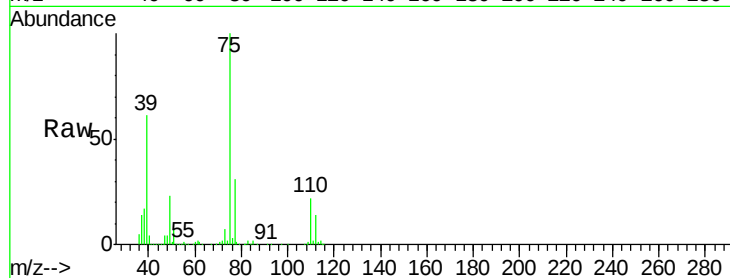
75 100

77 31.3 24.6 37.0

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#54

cis-1,3-Dichloropropene

Concen: 54.055 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

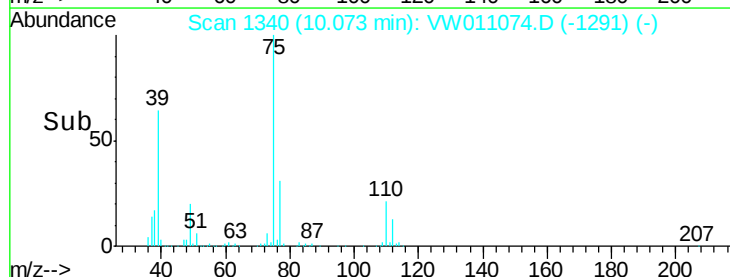
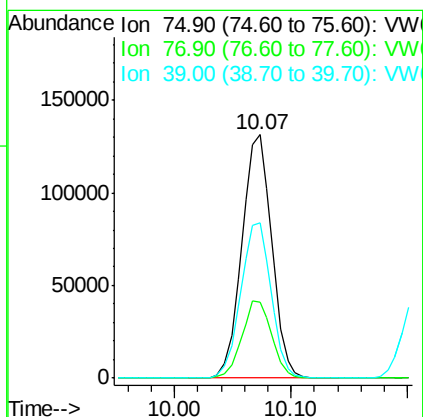
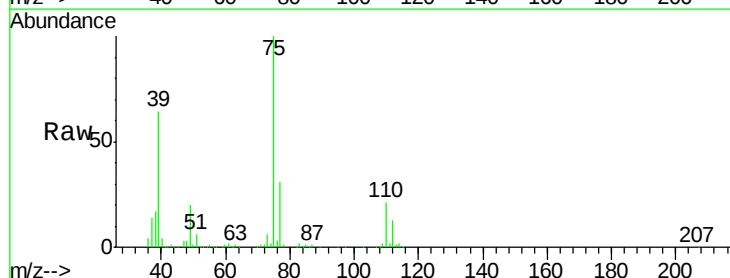
Tgt Ion: 75 Resp: 235787

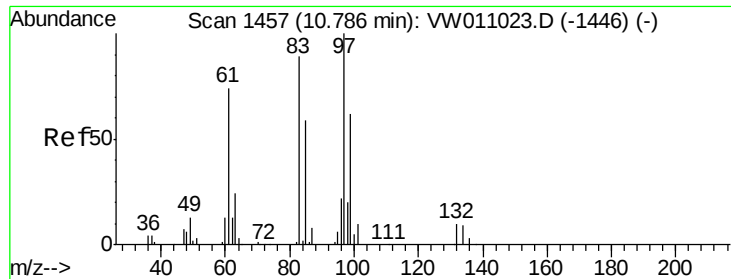
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 63.4 50.0 75.0





#55

1,1,2-Trichloroethane

Concen: 49.287 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 98736

Ion Ratio Lower Upper

97 100

83 87.1 70.9 106.3

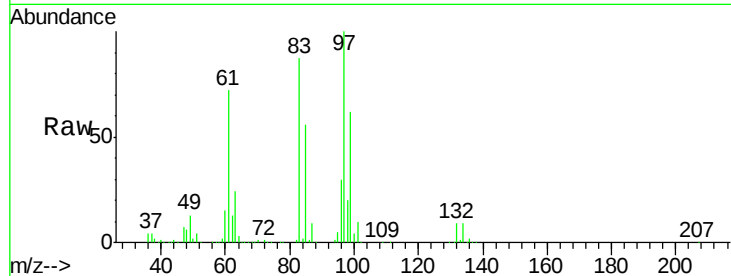
85 56.3 47.2 70.8

99 62.1 50.0 75.0

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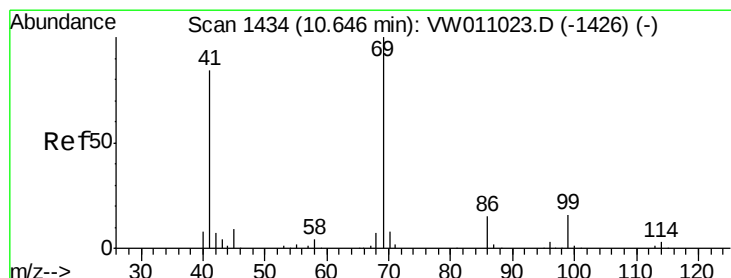
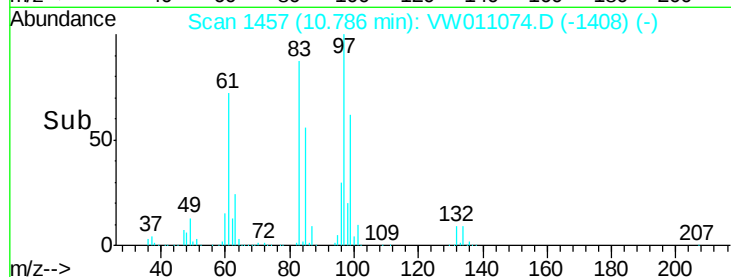
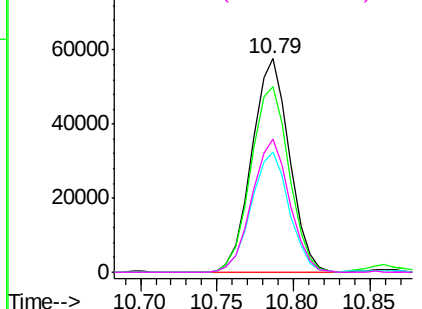


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 49.567 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

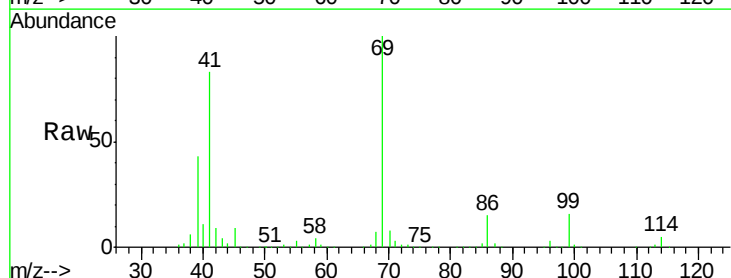
Tgt Ion: 69 Resp: 148694

Ion Ratio Lower Upper

69 100

41 83.2 67.9 101.9

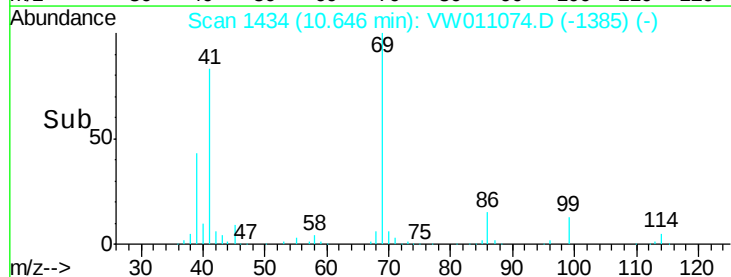
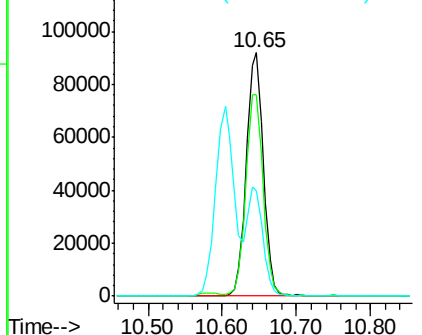
39 39.5 33.2 49.8

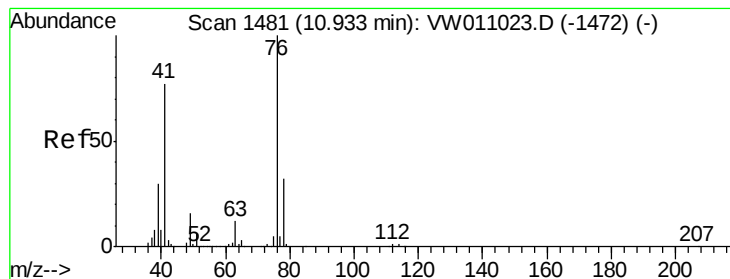


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 49.186 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 187429

Ion Ratio Lower Upper

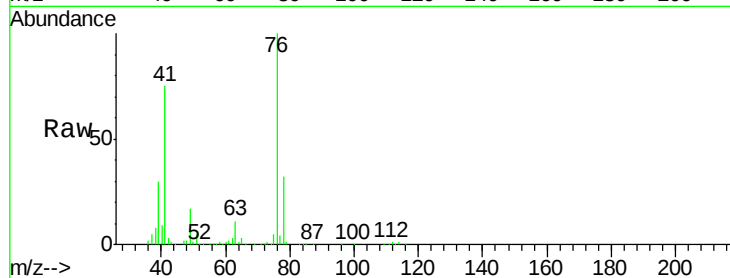
76 100

78 32.1 25.8 38.6

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

10.93

120000

100000

80000

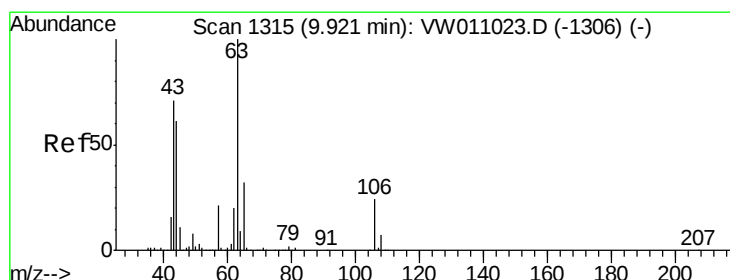
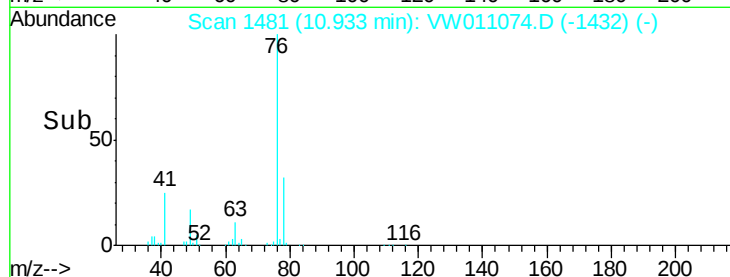
60000

40000

20000

0

Time--> 10.80 10.90 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 233.345 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW011074.D

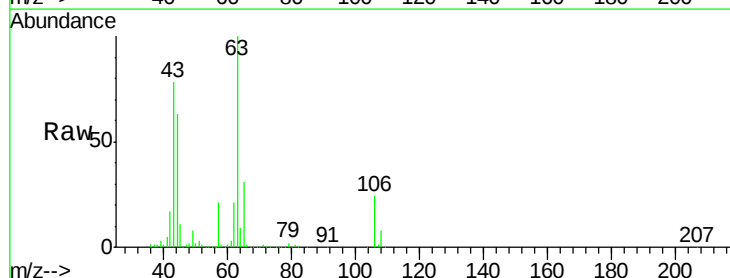
Acq: 01 Jul 2019 10:05

Tgt Ion: 63 Resp: 354177

Ion Ratio Lower Upper

63 100

106 24.6 19.4 29.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

9.92

250000

200000

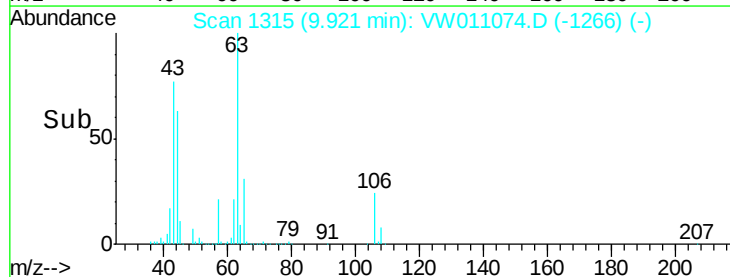
150000

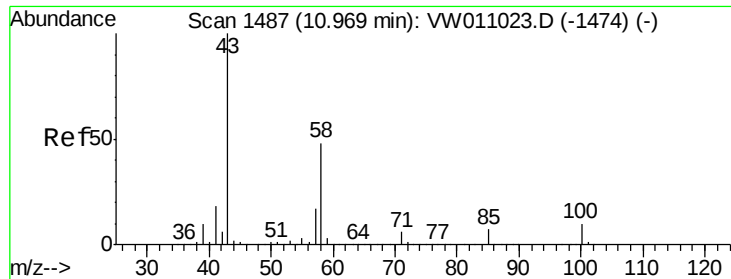
100000

50000

0

Time--> 9.80 9.90 10.00





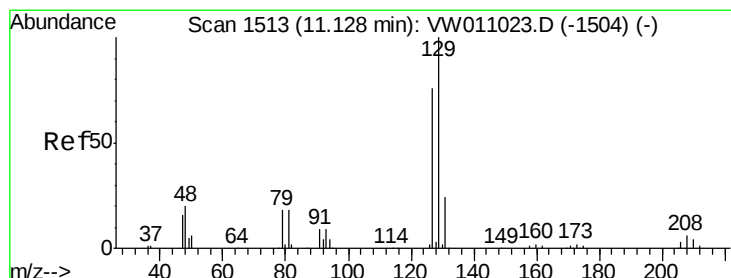
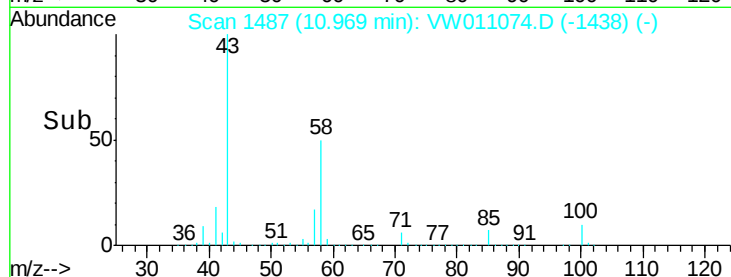
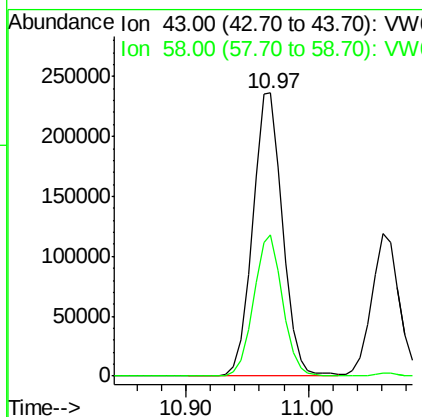
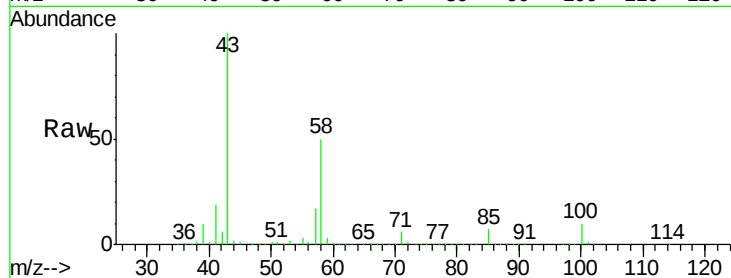
#59
2-Hexanone
Concen: 244.612 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 401130
Ion Ratio Lower Upper
43 100
58 48.4 23.8 71.5

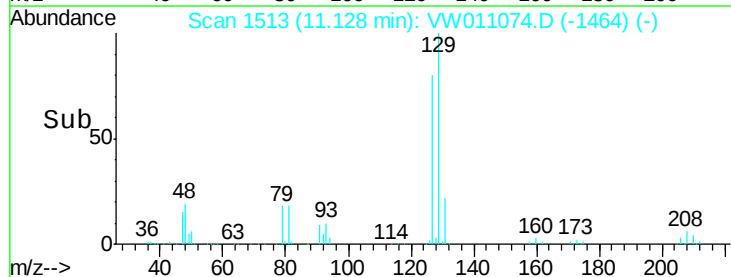
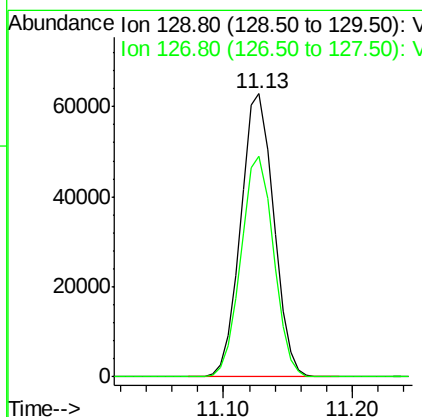
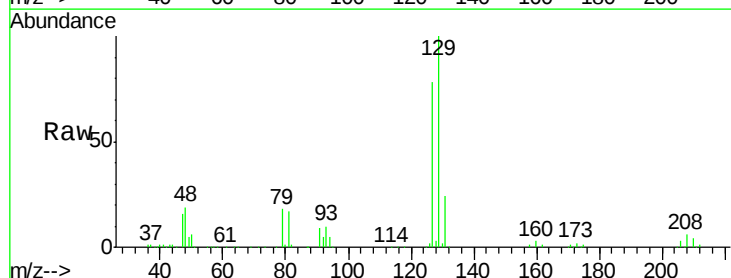
Manual Integrations
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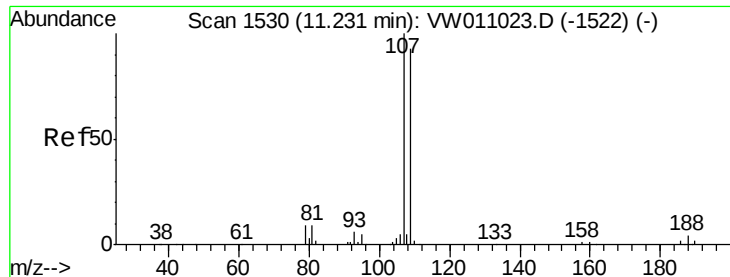
MMDadoda
7/2/2019 3:52:31 PM



#60
Dibromochloromethane
Concen: 52.988 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 129 Resp: 111313
Ion Ratio Lower Upper
129 100
127 77.2 39.4 118.1





#61

1,2-Dibromoethane

Concen: 49.229 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 92324

Ion Ratio Lower Upper

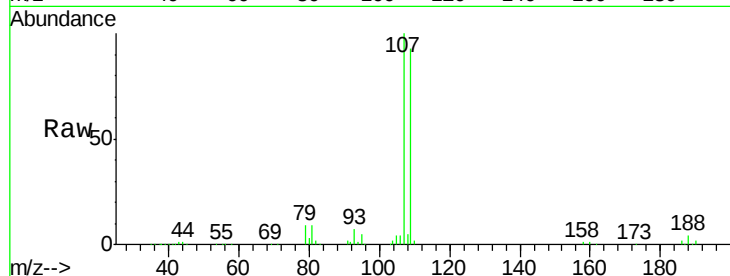
107 100

109 94.2 75.1 112.7

Manual Integrations
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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

60000

50000

40000

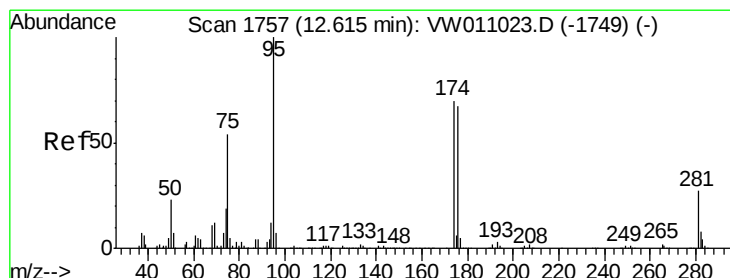
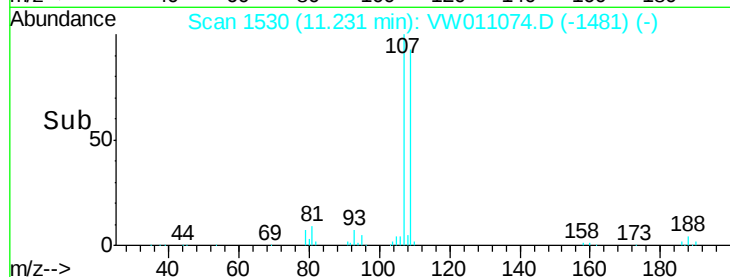
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.241 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

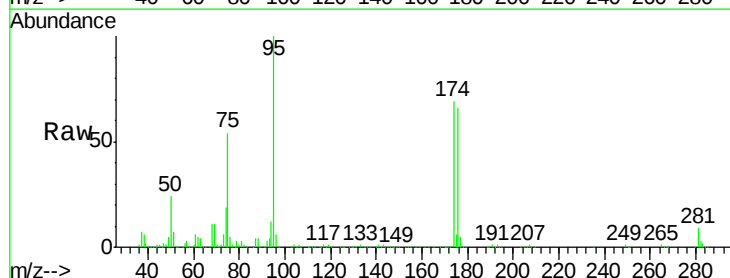
Tgt Ion: 95 Resp: 174436

Ion Ratio Lower Upper

95 100

174 74.1 0.0 149.2

176 71.5 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

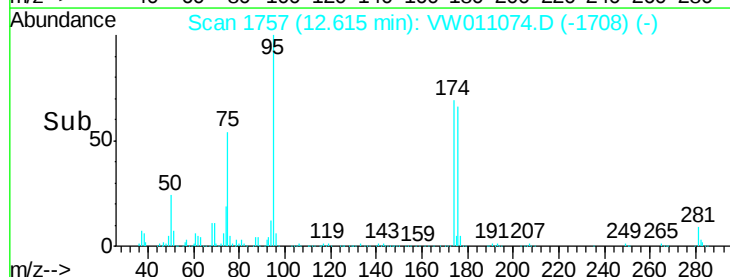
150000

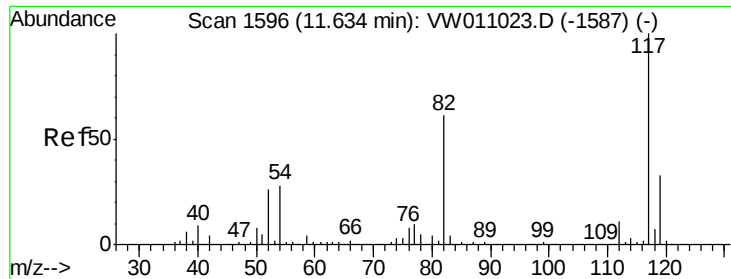
100000

50000

0

Time-->





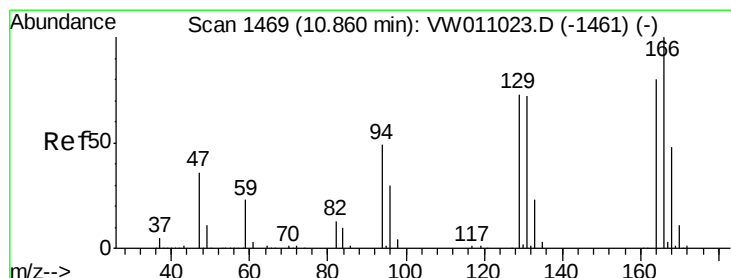
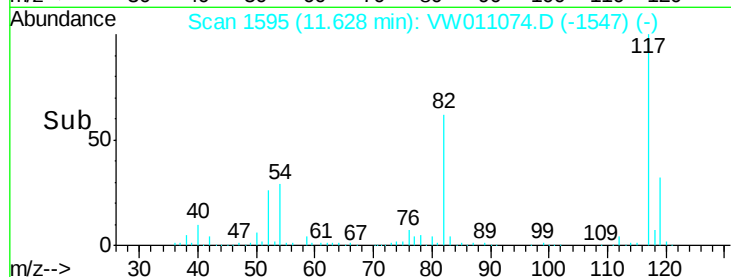
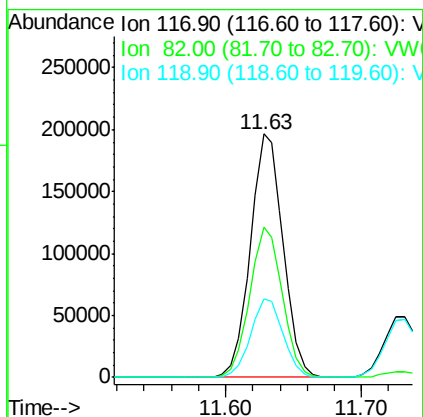
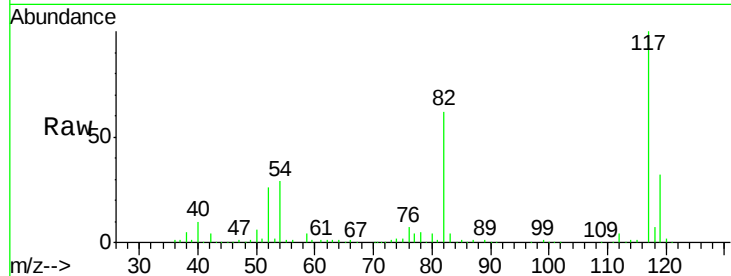
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	48.6	73.0
119	32.0	26.1	39.1

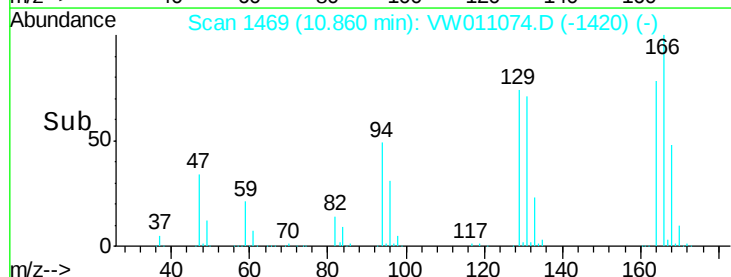
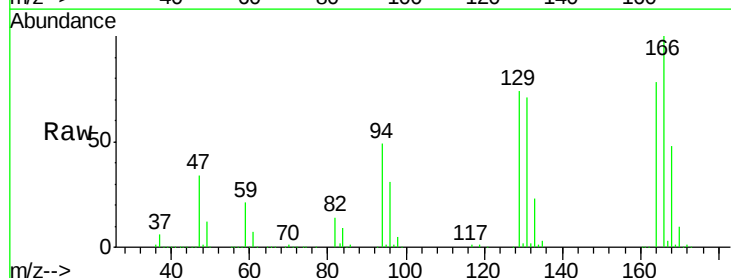
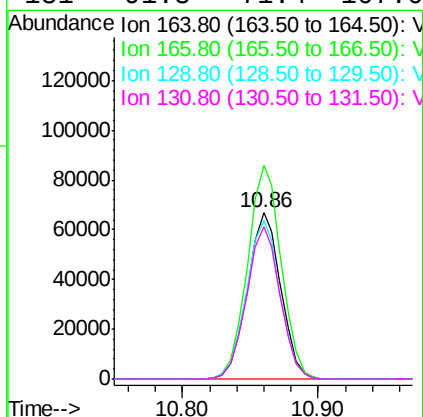
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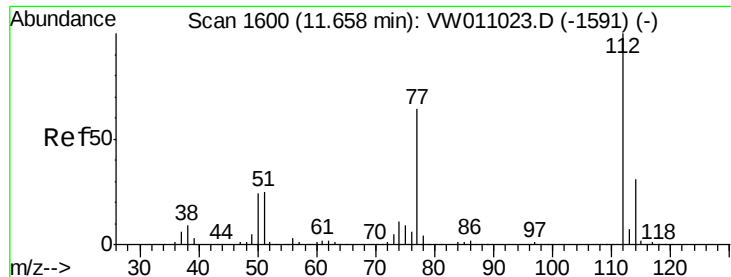
MMDadoda
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#64
Tetrachloroethene
Concen: 50.417 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	99.8	149.6
129	95.7	73.0	109.4
131	91.8	71.4	107.0





#65

Chlorobenzene

Concen: 52.410 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 353743

Ion Ratio Lower Upper

112 100

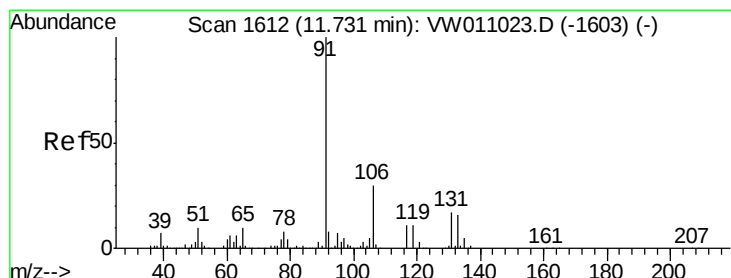
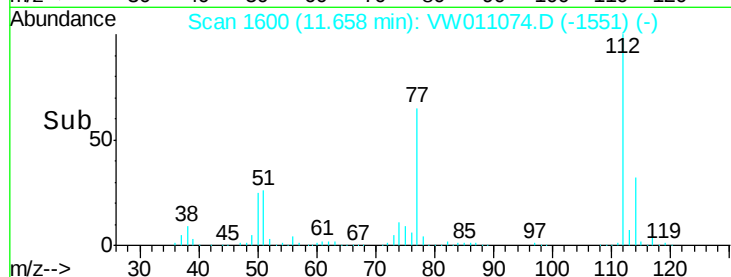
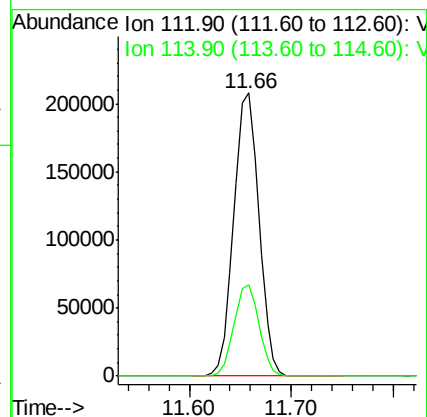
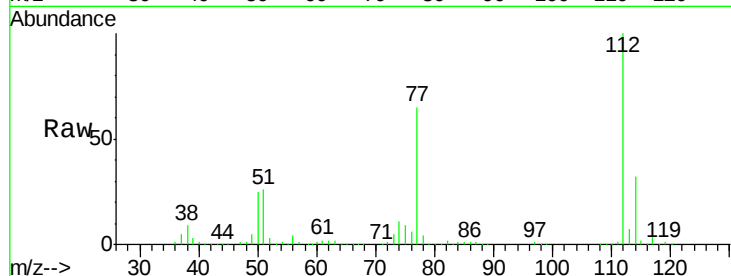
114 32.1 25.2 37.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 54.541 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

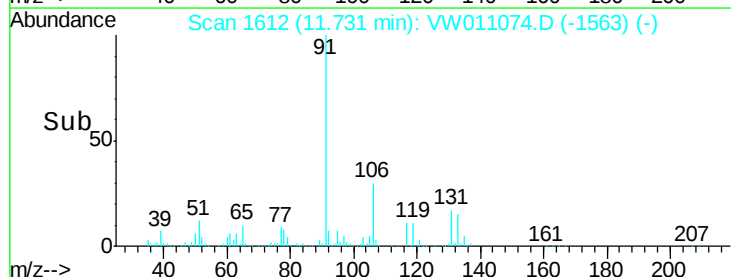
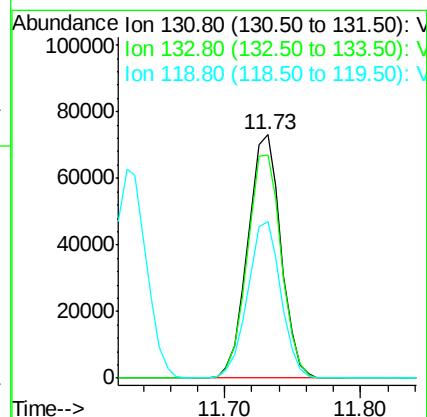
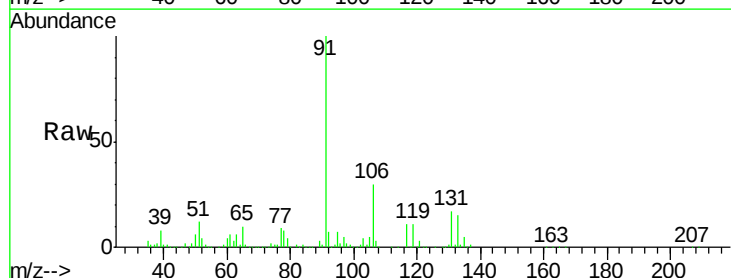
Tgt Ion:131 Resp: 124985

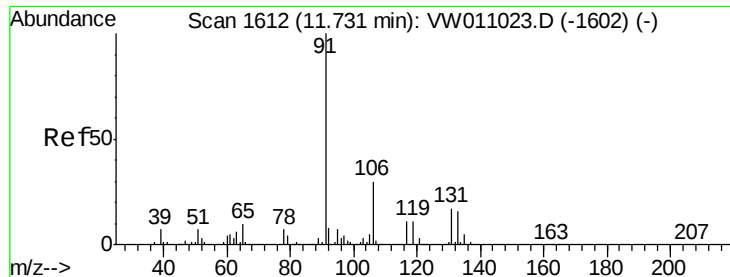
Ion Ratio Lower Upper

131 100

133 94.2 47.7 143.1

119 64.6 33.1 99.2





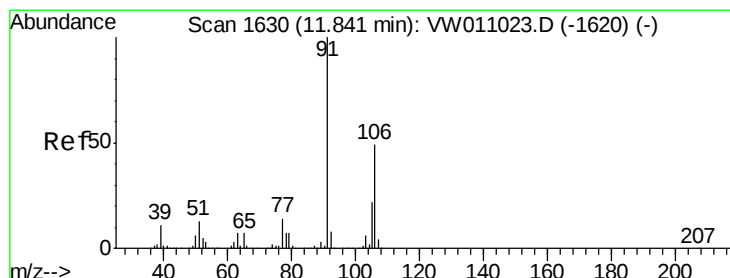
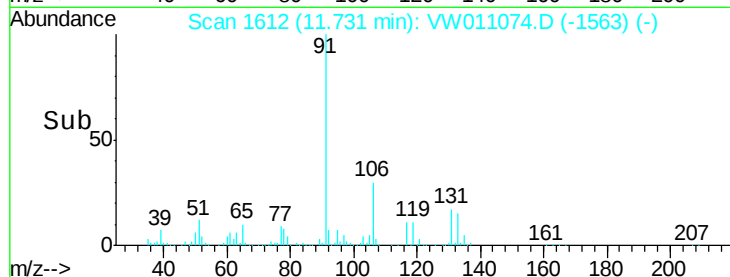
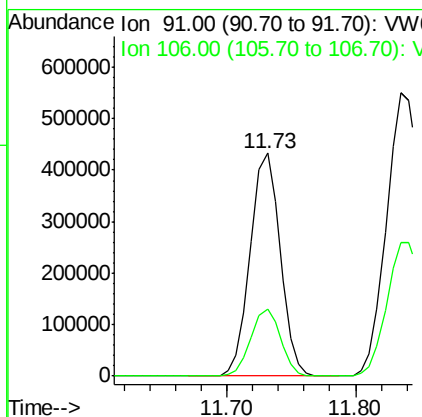
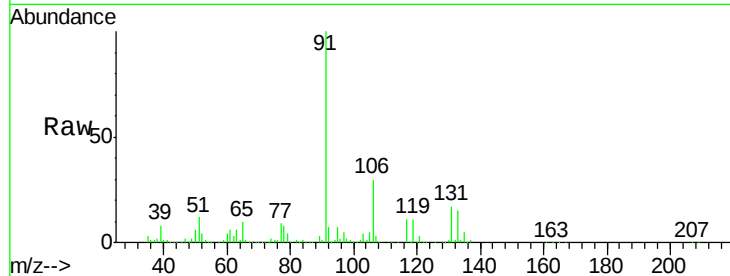
#67
Ethyl Benzene
Concen: 53.713 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 694360
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

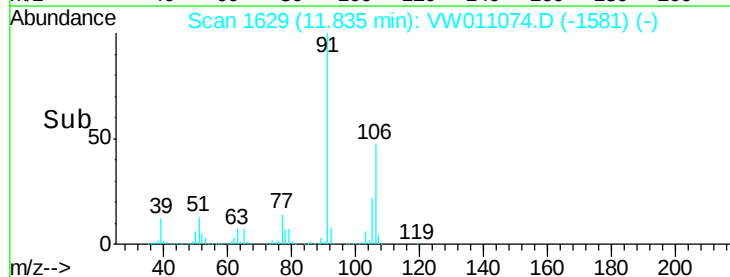
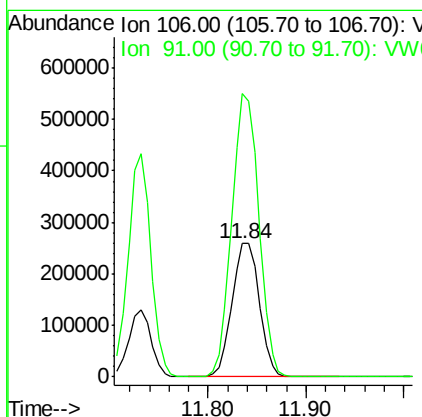
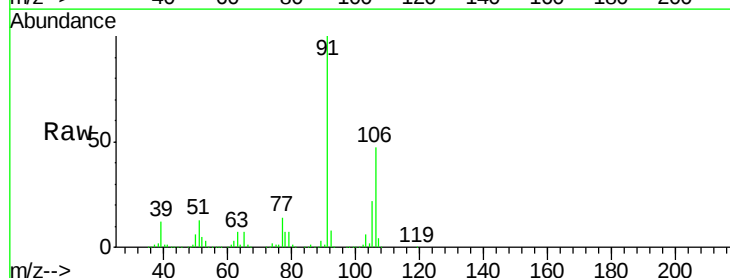
Manual Integrations
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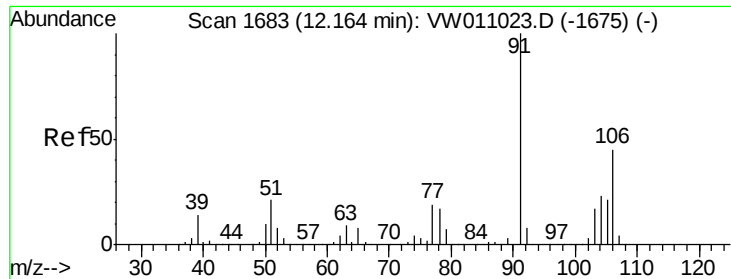
MMDadoda
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#68
m/p-Xylenes
Concen: 107.294 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion: 106 Resp: 503300
Ion Ratio Lower Upper
106 100
91 209.4 167.5 251.3





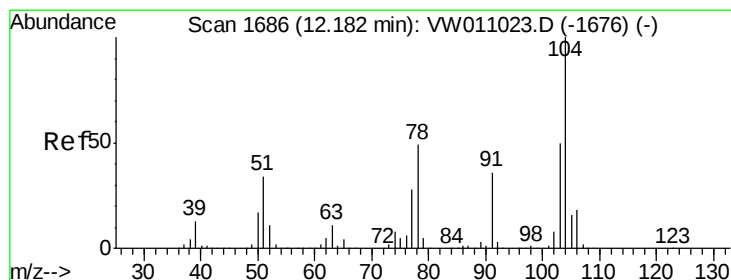
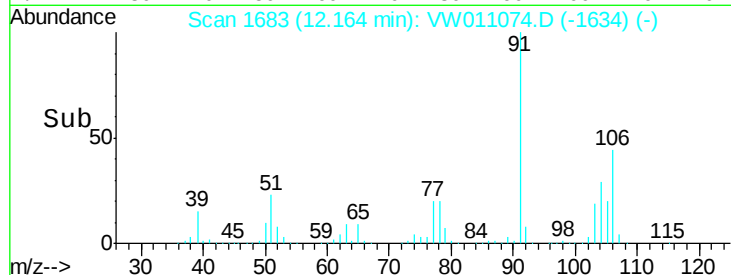
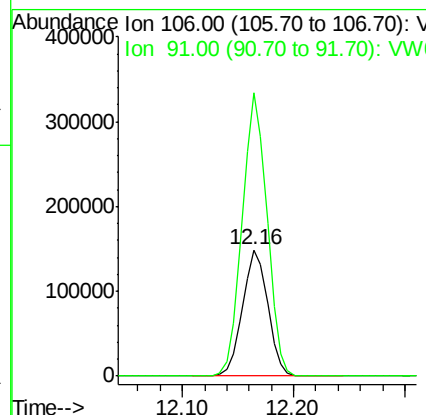
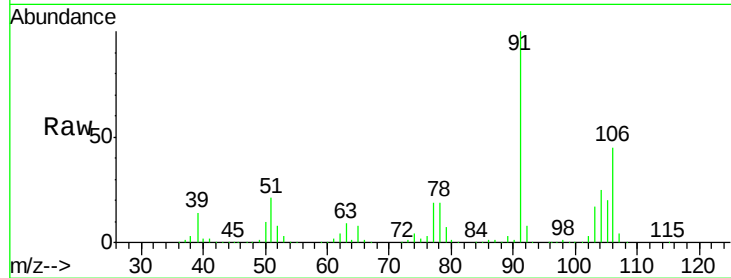
#69
o-Xylene
Concen: 53.515 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		233818		
91	221.3	110.8	332.3		

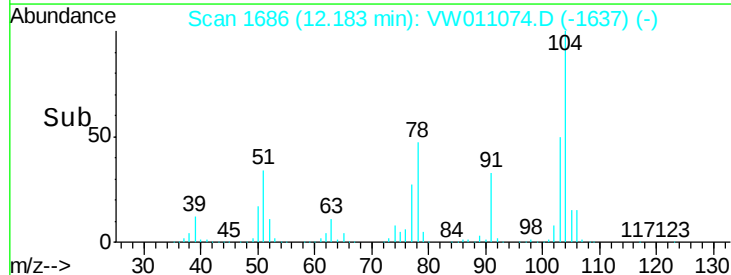
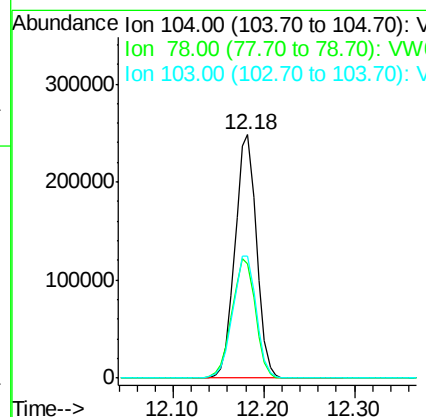
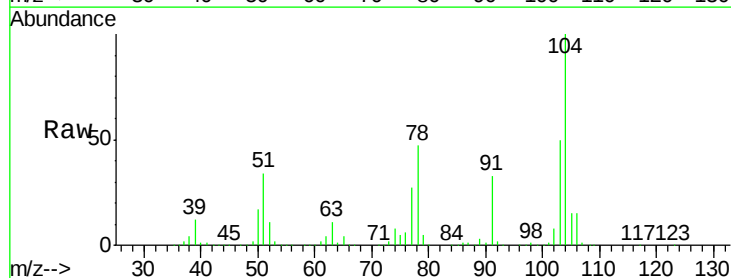
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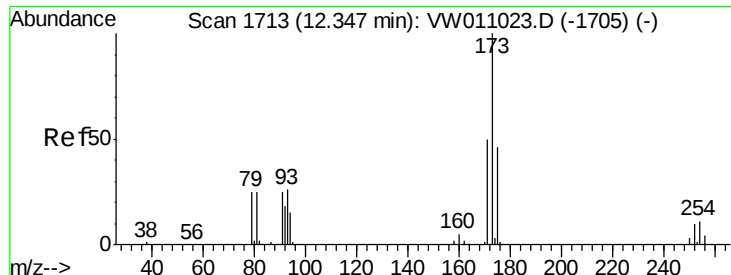
MMDadoda
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#70
Styrene
Concen: 53.687 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		407611		
78	54.0	43.7	65.5		
103	54.8	43.9	65.9		





#71

Bromoform

Concen: 54.253 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 60609

Ion Ratio Lower Upper

173 100

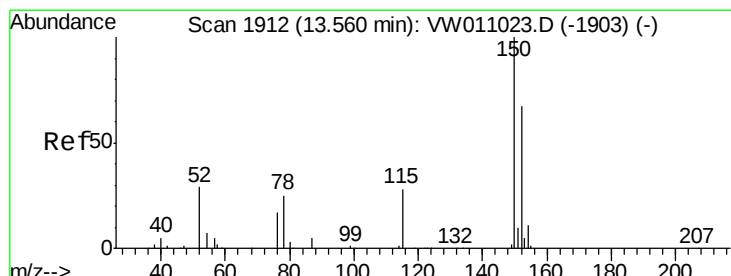
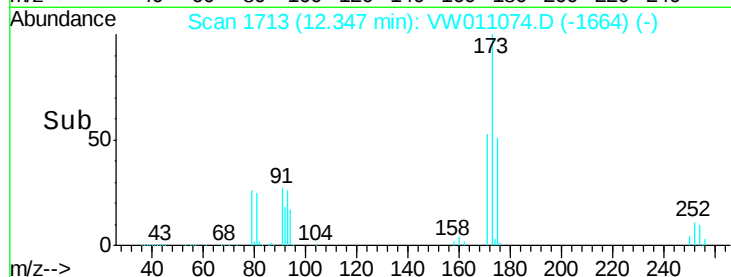
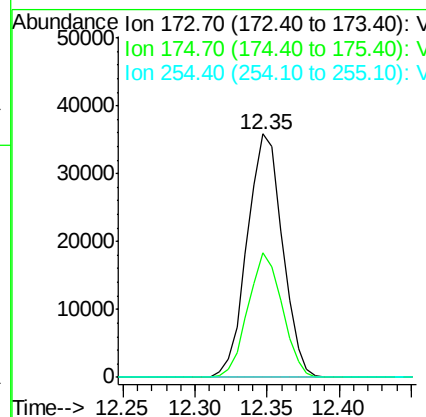
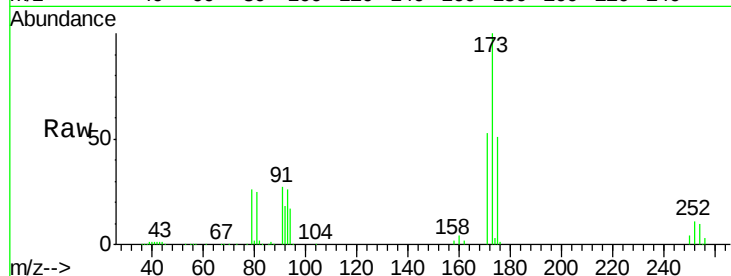
175 49.7 24.1 72.2

254 0.2 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

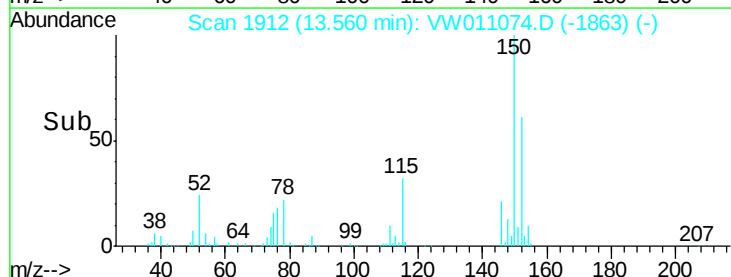
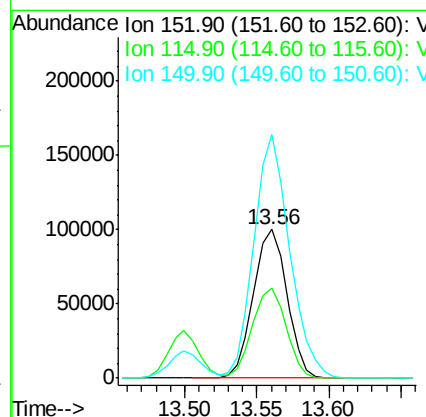
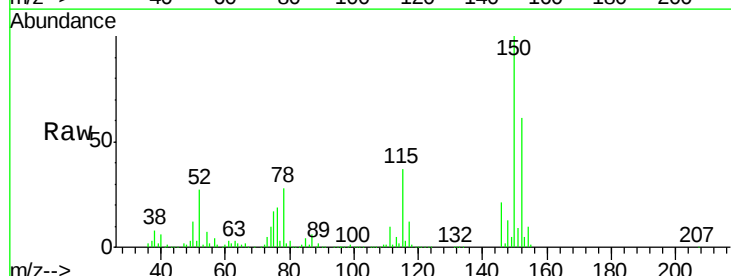
Tgt Ion:152 Resp: 161361

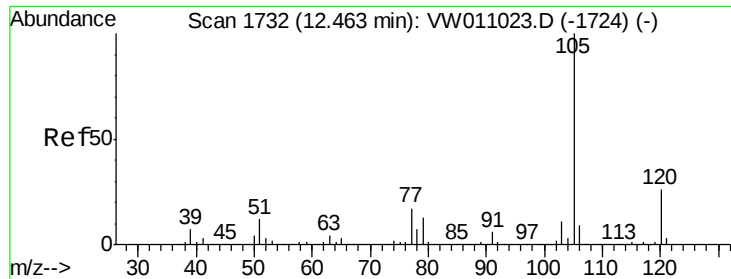
Ion Ratio Lower Upper

152 100

115 60.7 30.7 92.1

150 174.4 0.0 341.8





#73

Isopropylbenzene

Concen: 54.361 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 657131

Ion Ratio Lower Upper

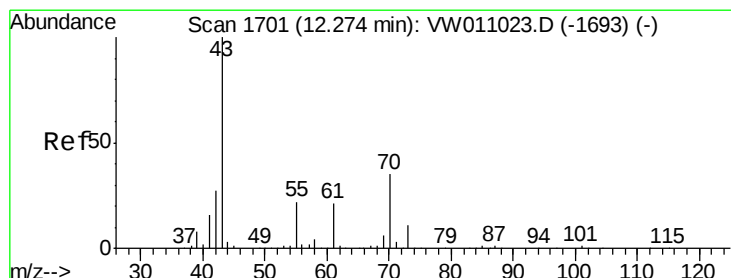
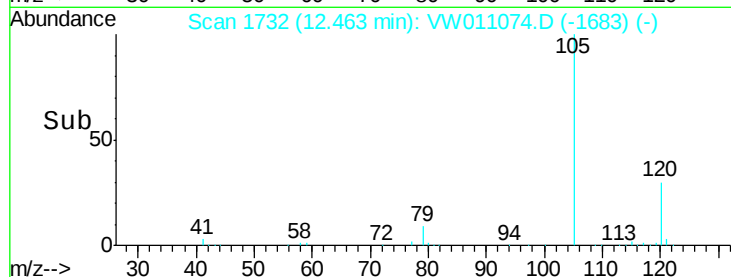
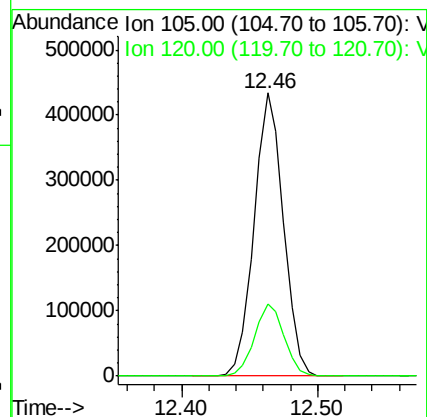
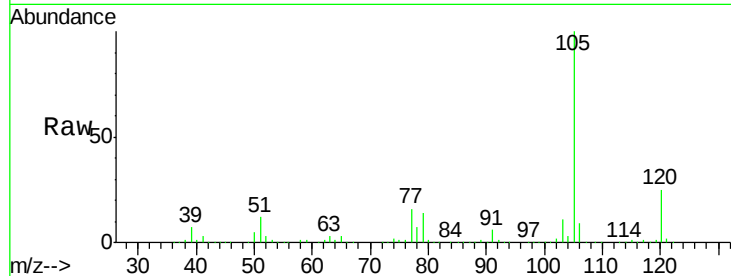
105 100

120 25.6 12.9 38.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 50.941 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion: 43 Resp: 206802

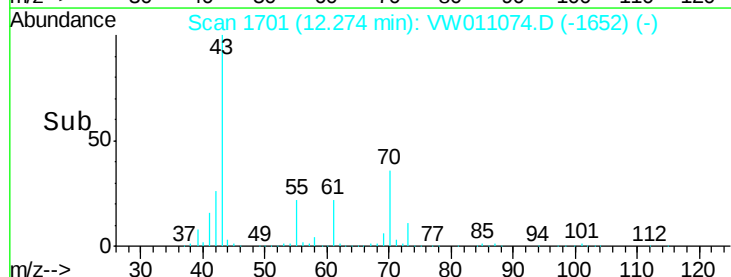
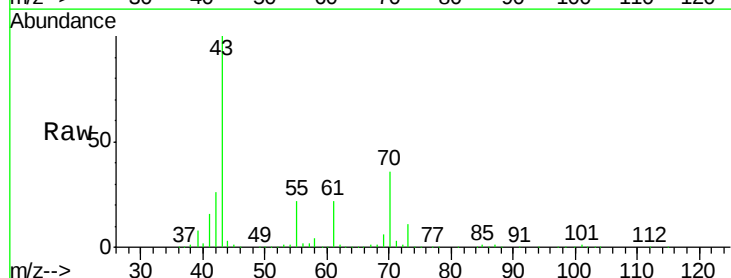
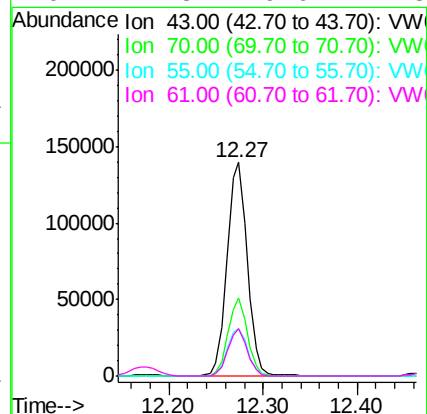
Ion Ratio Lower Upper

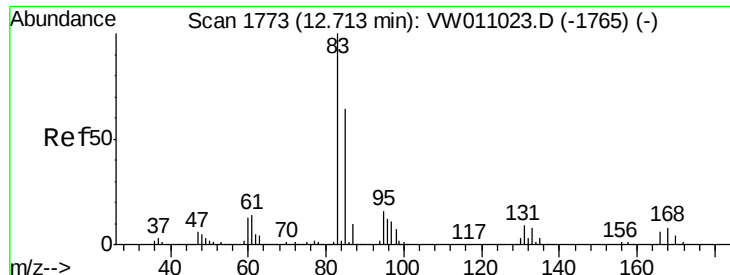
43 100

70 35.4 28.2 42.4

55 22.9 17.8 26.8

61 21.3 16.6 24.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.668 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

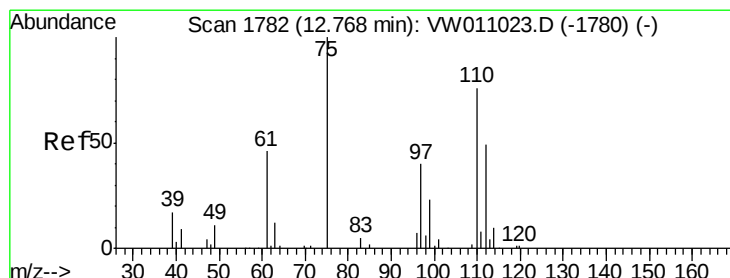
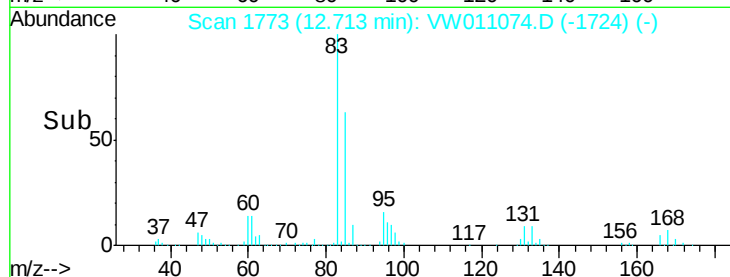
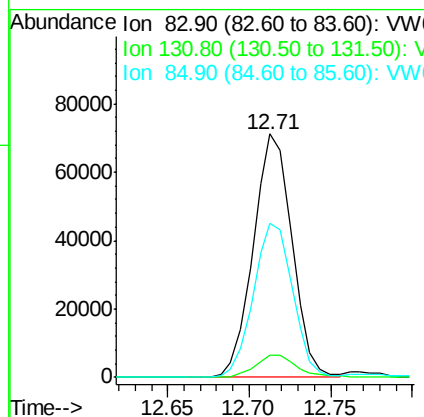
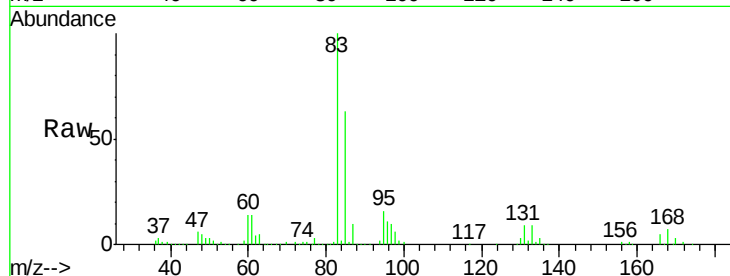
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	117903
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.2	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.257 ug/l m

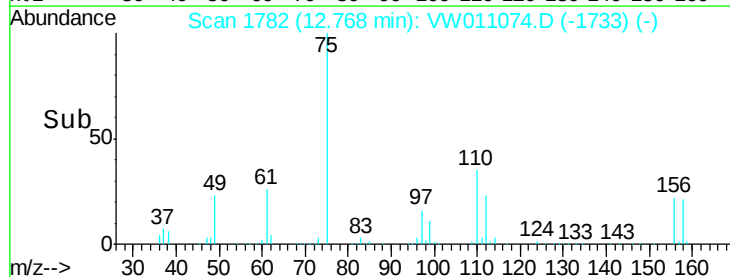
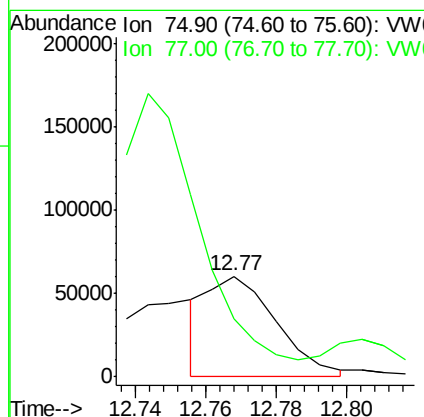
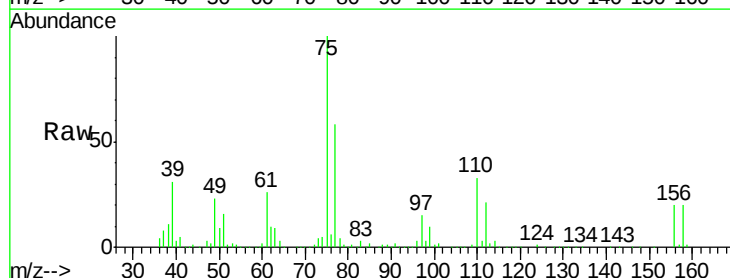
RT: 12.77 min Scan# 1782

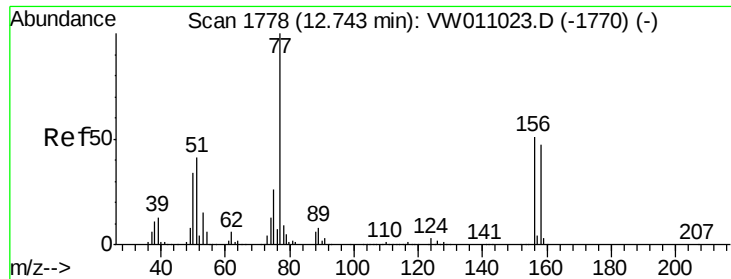
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	75	Resp:	82209
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.585 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

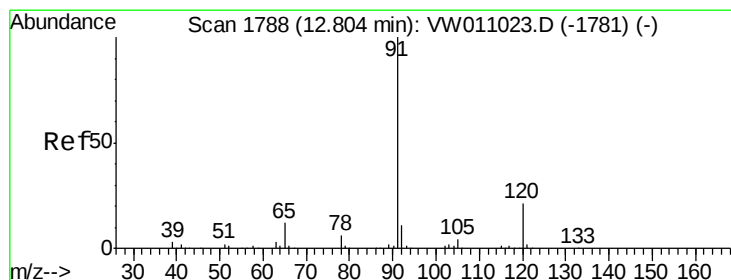
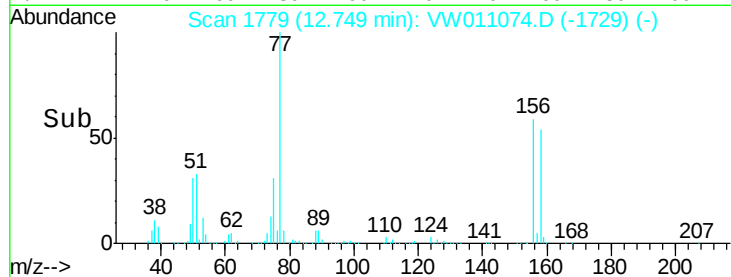
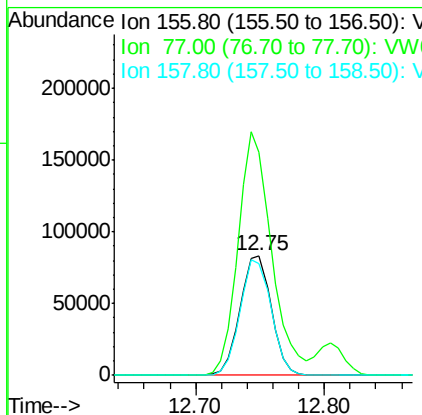
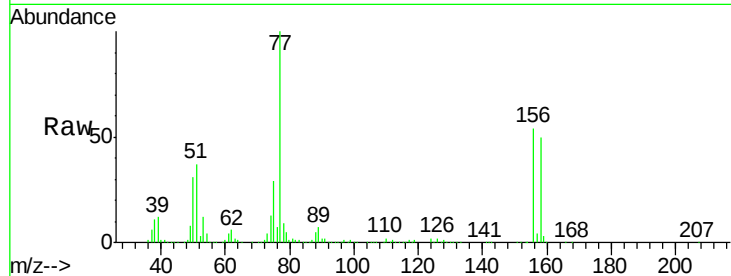
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	217.6	109.5	328.5
158	96.6	48.6	145.9

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#78

n-propylbenzene

Concen: 54.696 ug/l

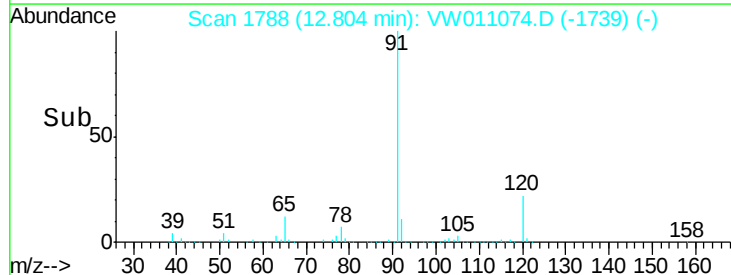
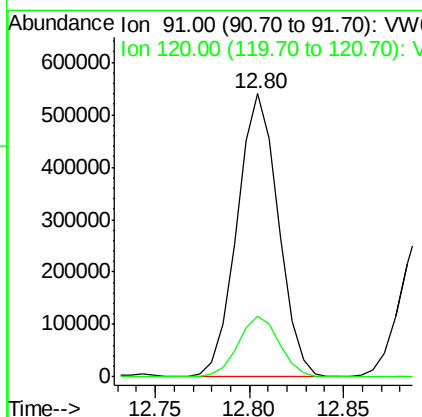
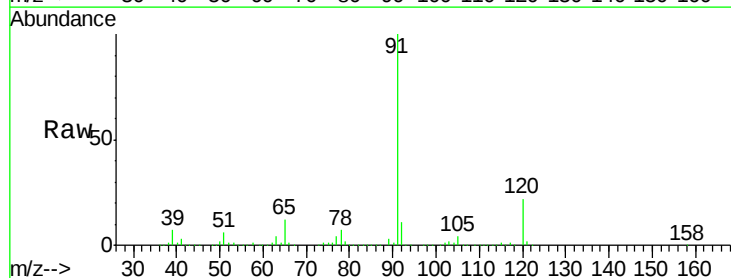
RT: 12.80 min Scan# 1788

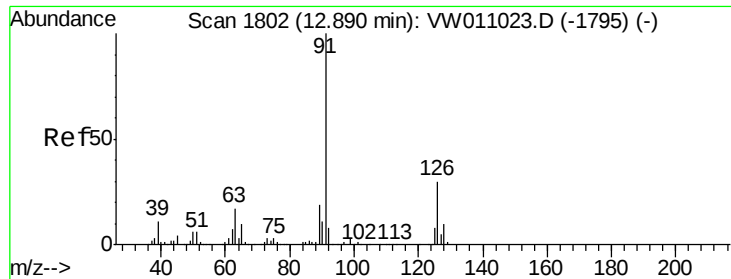
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.5	31.6





#79

2-Chlorotoluene

Concen: 53.164 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 454664

Ion Ratio Lower Upper

91 100

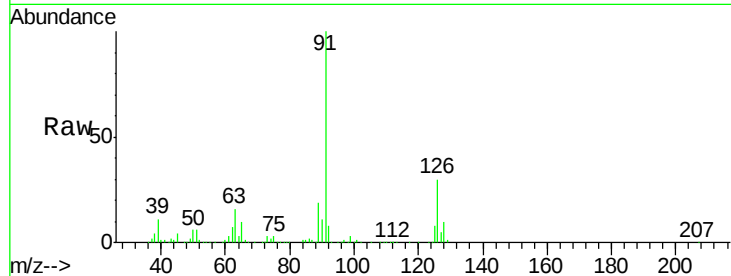
126 31.3 15.4 46.4

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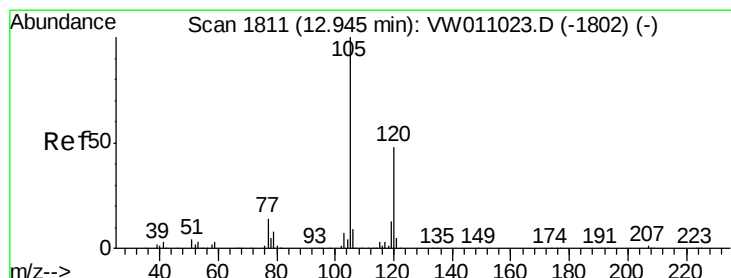
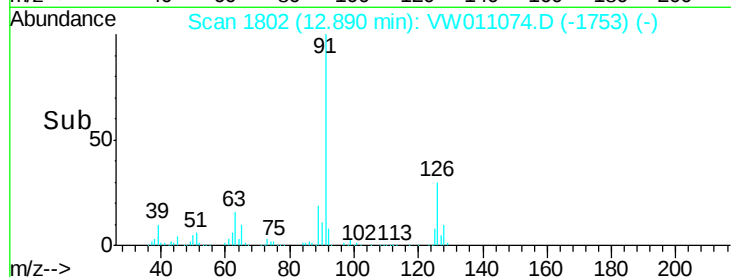
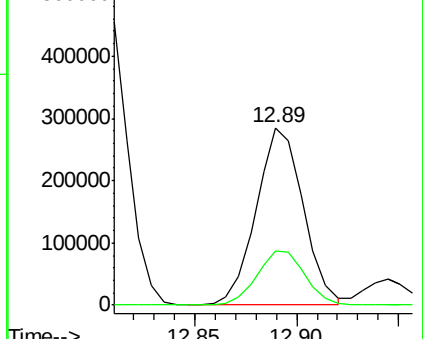
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.724 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011074.D

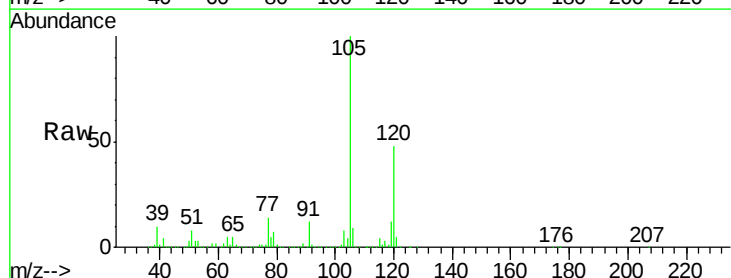
Acq: 01 Jul 2019 10:05

Tgt Ion:105 Resp: 560692

Ion Ratio Lower Upper

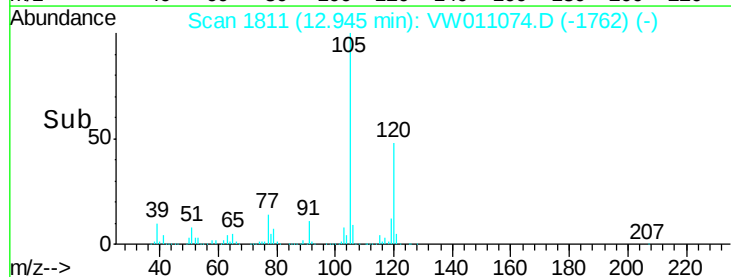
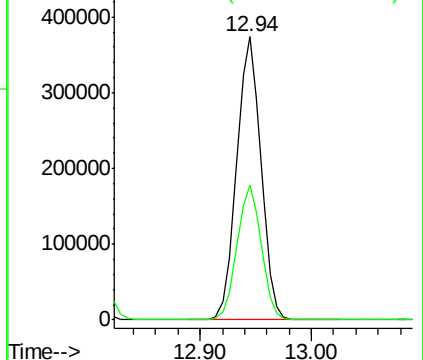
105 100

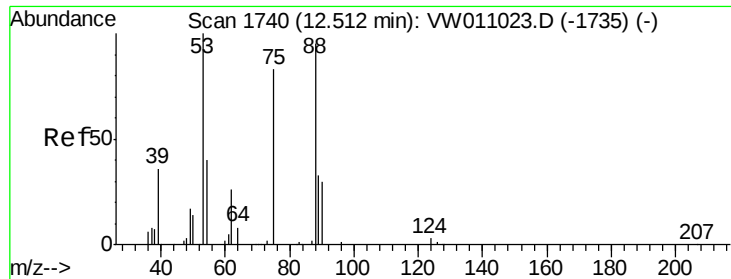
120 47.6 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





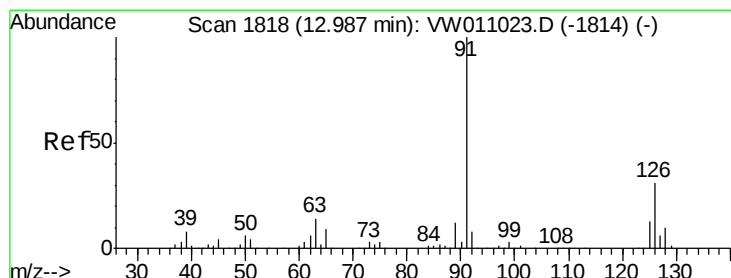
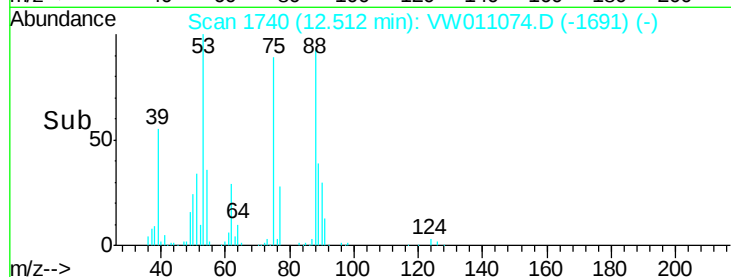
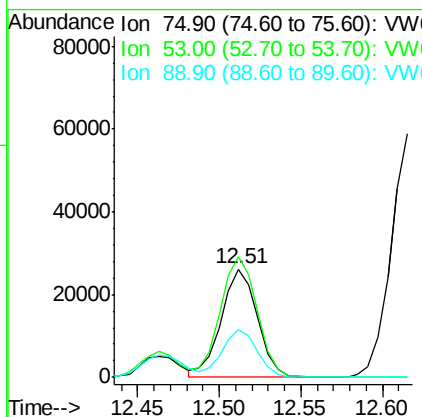
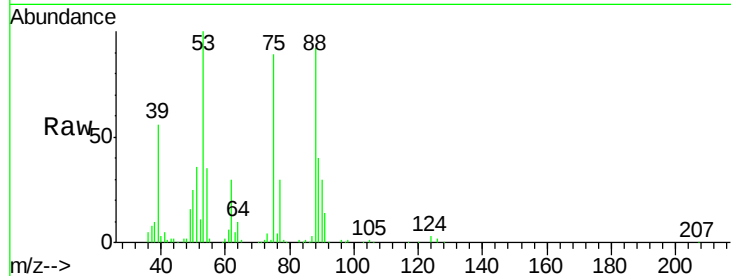
#81
trans-1,4-Dichloro-2-butene
Concen: 49.943 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	114.1	95.6	143.4
89	43.4	34.4	51.6

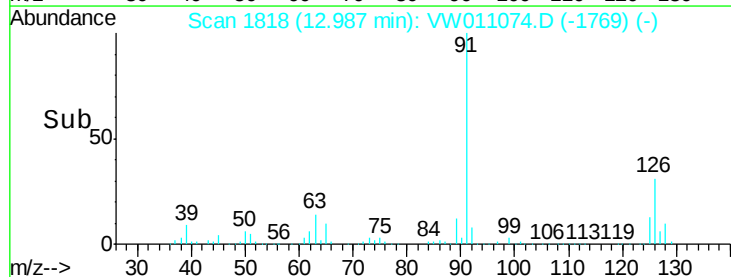
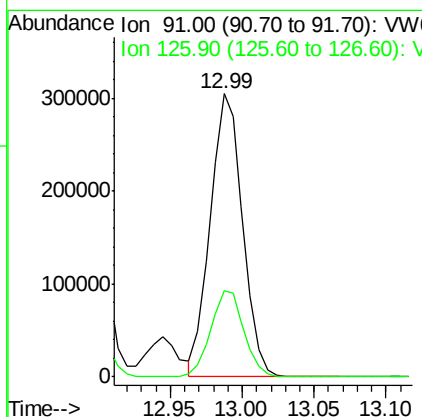
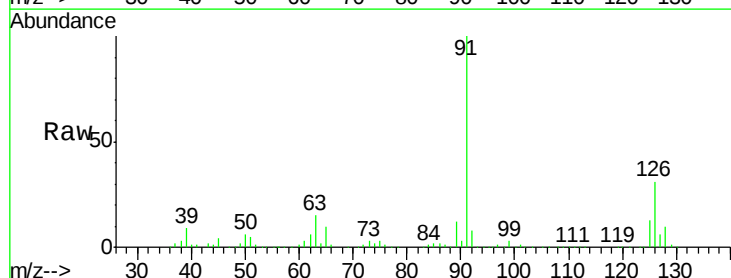
Manual Integrations
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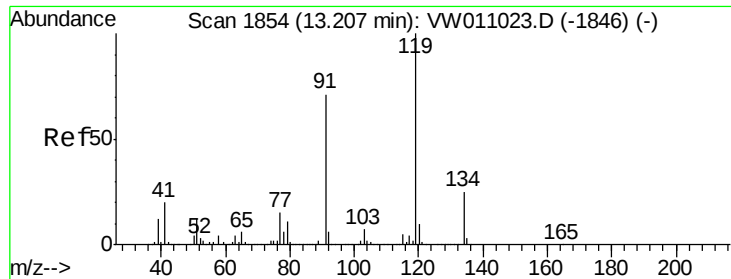
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#82
4-Chlorotoluene
Concen: 53.322 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





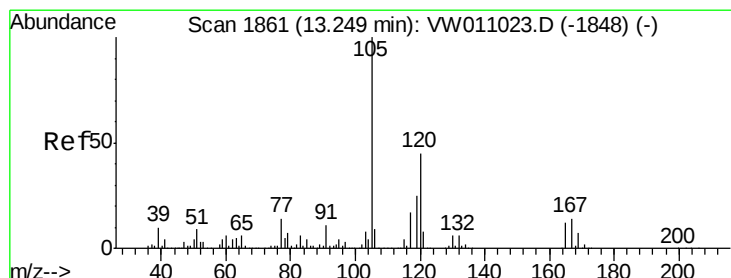
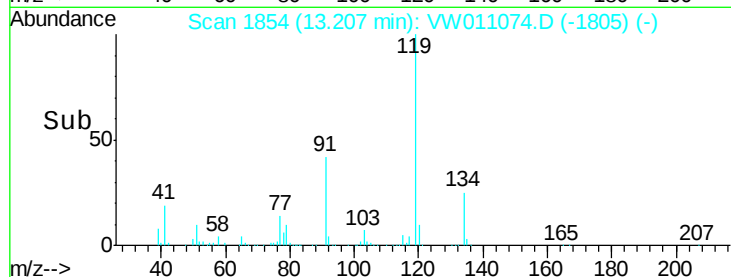
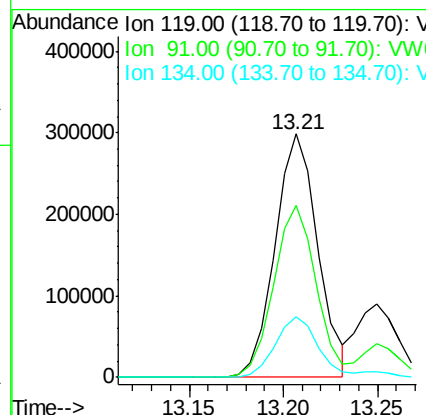
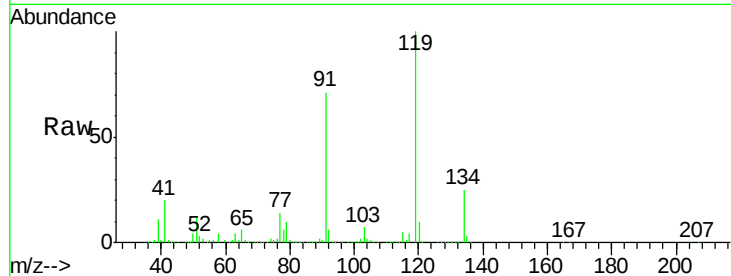
#83
tert-Butylbenzene
Concen: 54.763 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	467885		
91	69.7	35.5	106.5	
134	24.9	12.4	37.2	

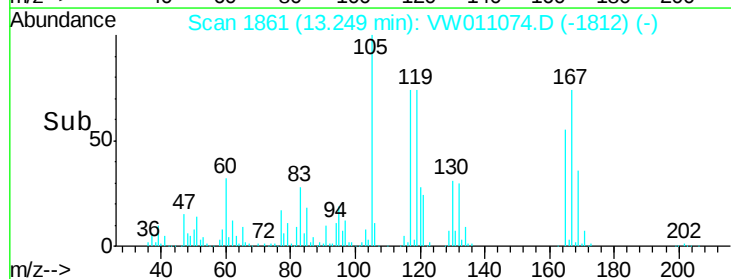
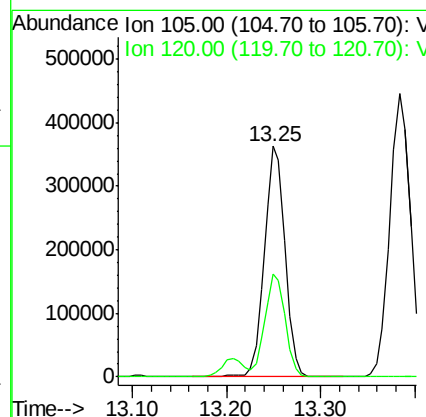
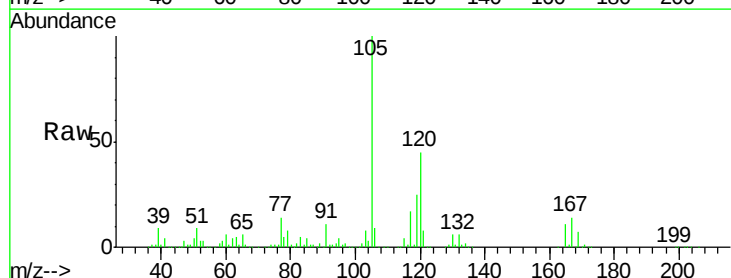
Manual Integrations
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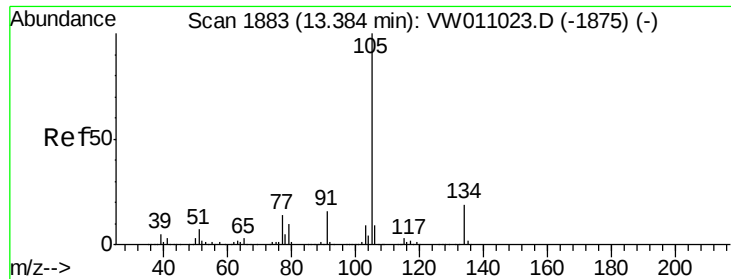
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.189 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	561185		
120	44.0	22.4	67.2	





#85

sec-Butylbenzene

Concen: 54.942 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 681917

Ion Ratio Lower Upper

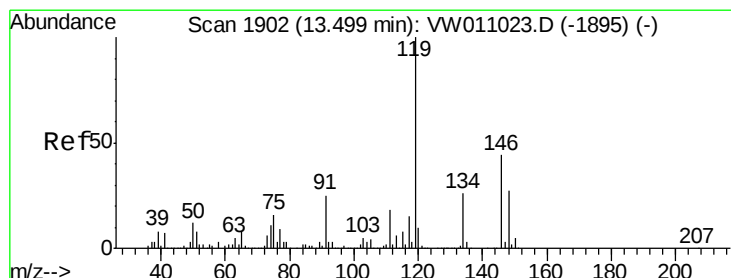
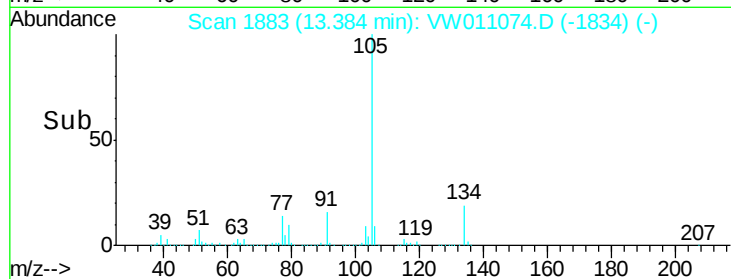
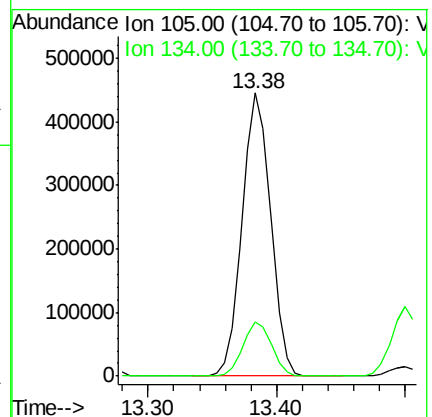
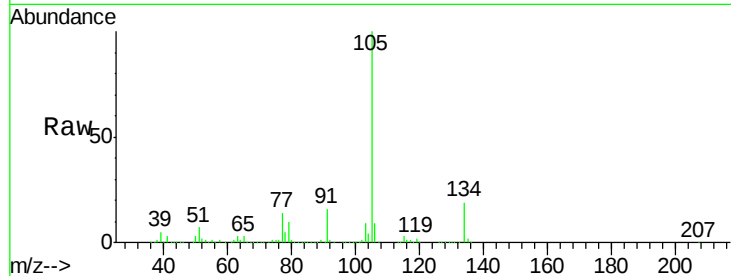
105 100

134 19.4 9.6 28.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.044 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

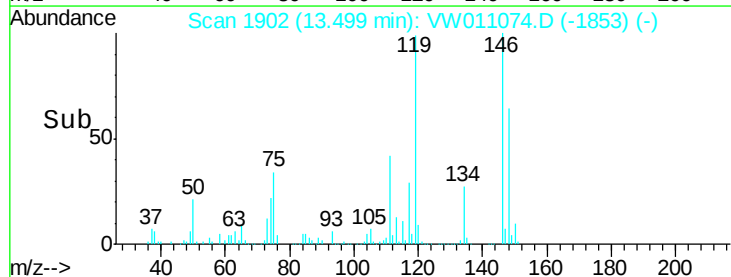
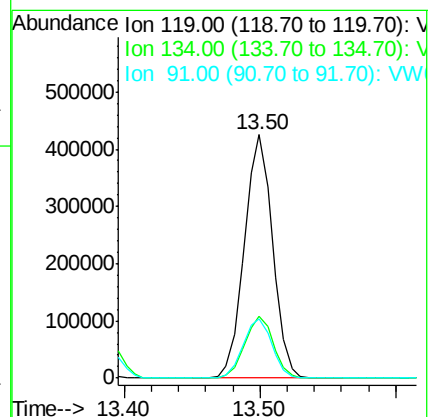
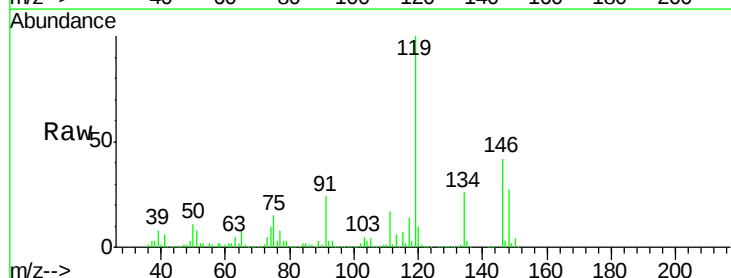
Tgt Ion:119 Resp: 614792

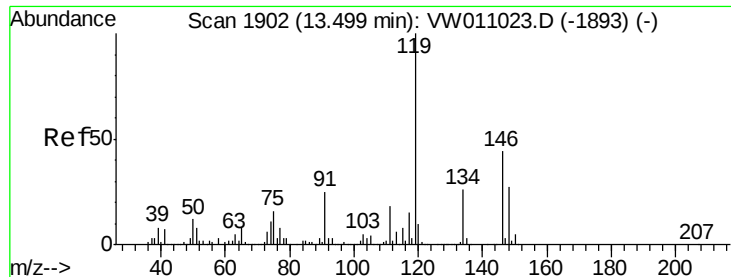
Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 25.0 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 53.108 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

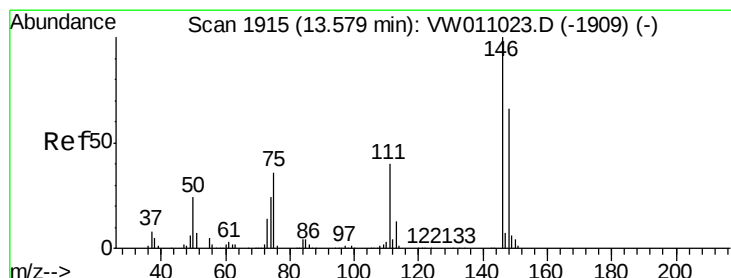
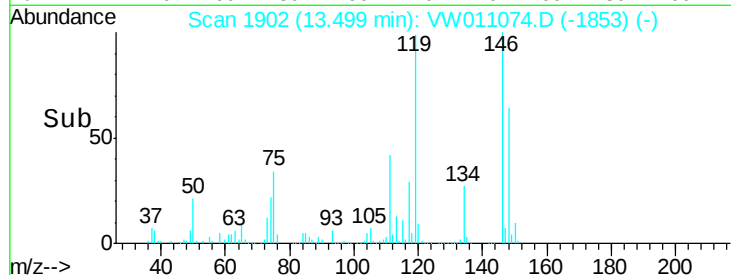
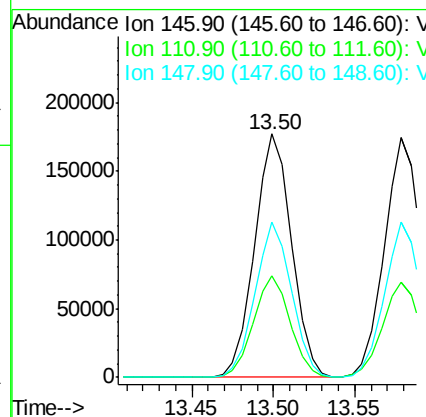
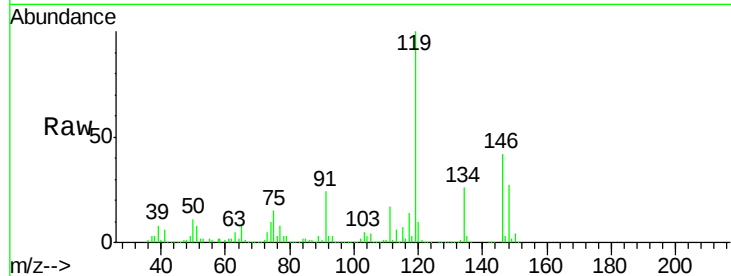
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	279127
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.9	62.8
148	62.9	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.170 ug/l

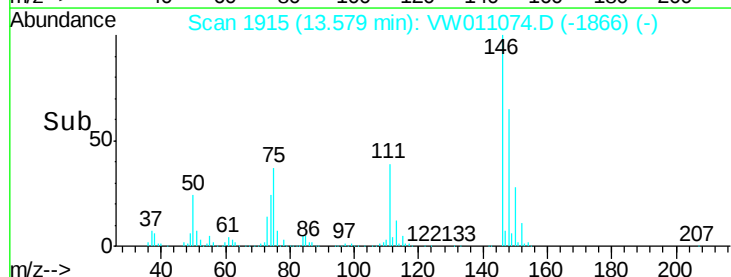
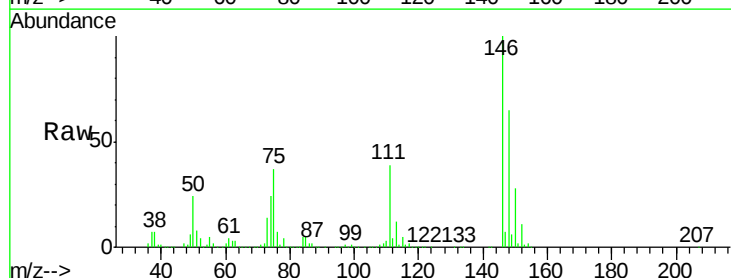
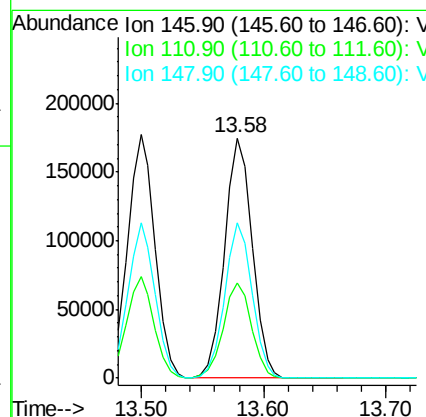
RT: 13.58 min Scan# 1915

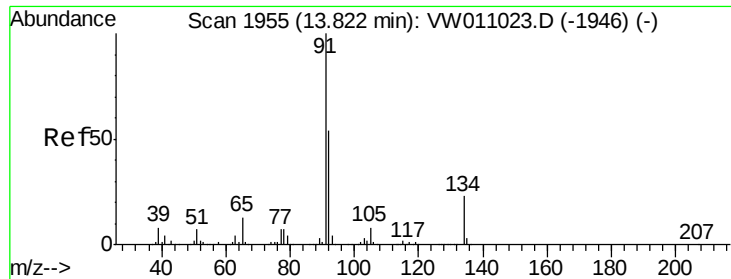
Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	146	Resp:	273713
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.6	61.9
148	64.1	32.4	97.2





#89

n-Butylbenzene

Concen: 55.056 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Instrument :

MSVOA_W

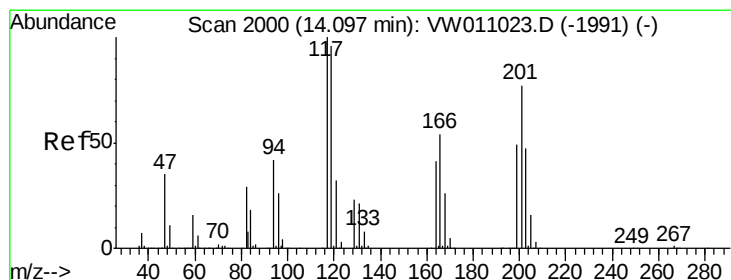
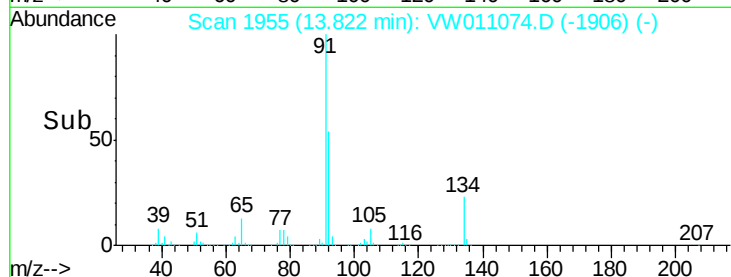
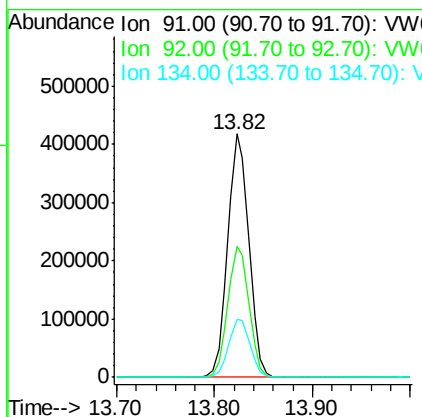
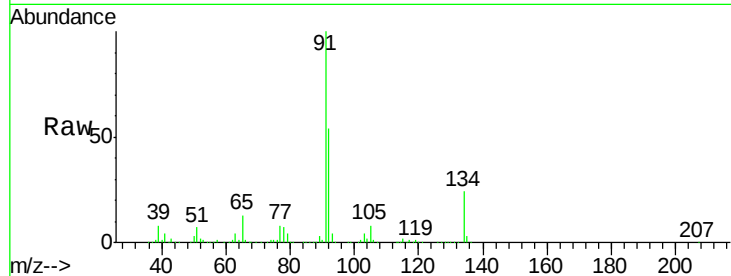
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	625011
Ion Ratio		Lower	Upper
91	100		
92	54.1	27.1	81.2
134	24.2	12.0	36.1

Manual Integrations
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#90

Hexachloroethane

Concen: 57.470 ug/l

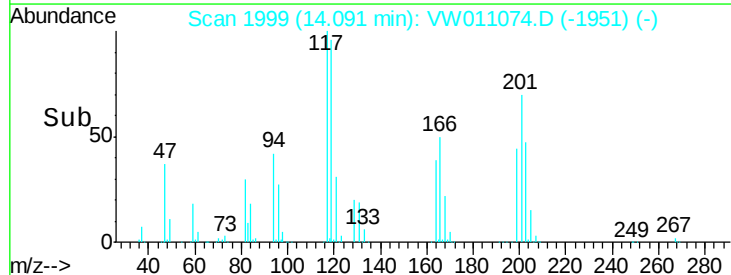
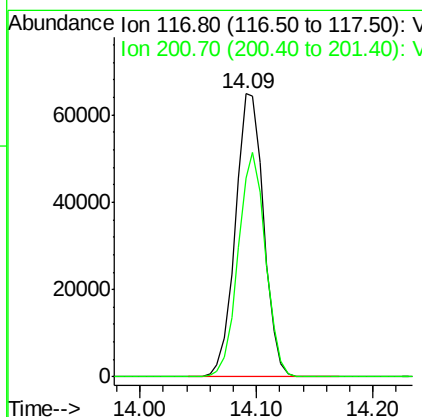
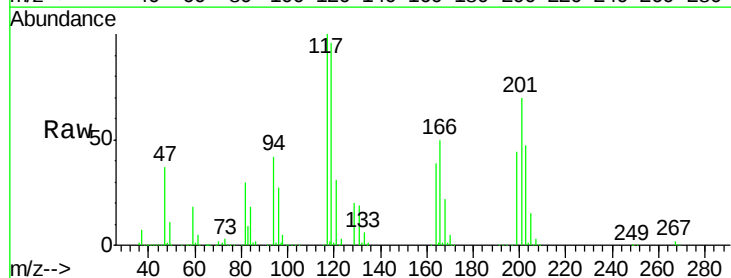
RT: 14.09 min Scan# 1999

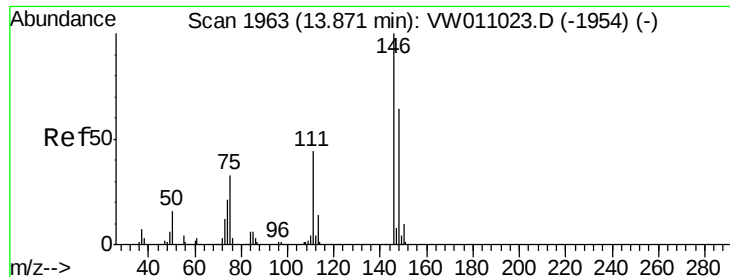
Delta R.T. -0.01 min

Lab File: VW011074.D

Acq: 01 Jul 2019 10:05

Tgt Ion:	117	Resp:	109827
Ion Ratio		Lower	Upper
117	100		
201	76.5	38.0	114.0





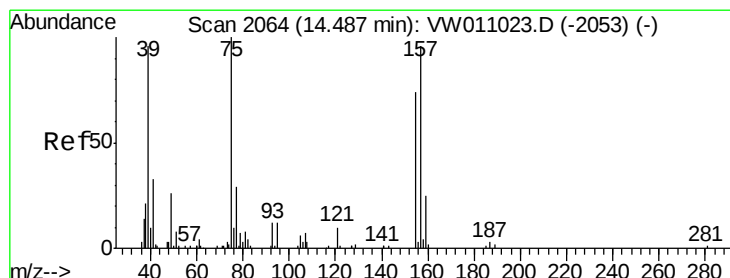
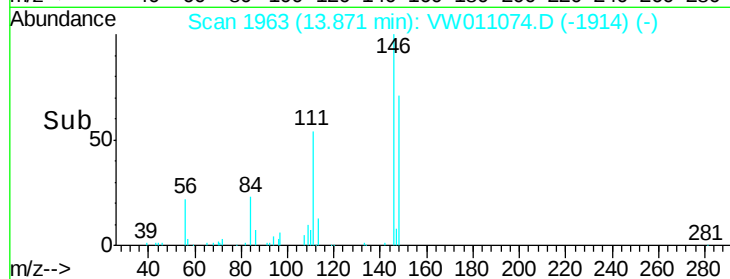
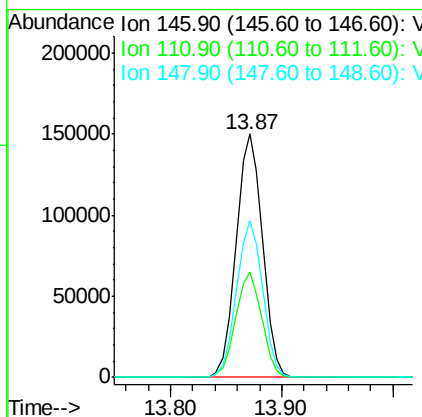
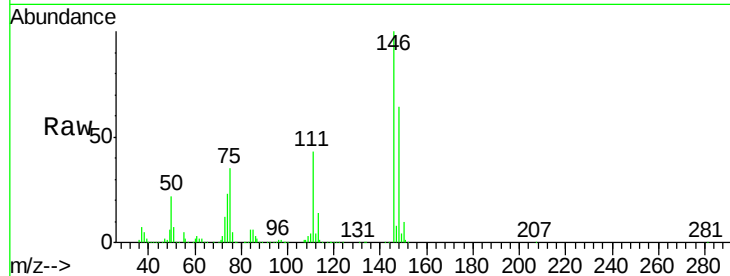
#91
 1,2-Dichlorobenzene
 Concen: 51.776 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.4	64.3
148	63.9	31.8	95.3

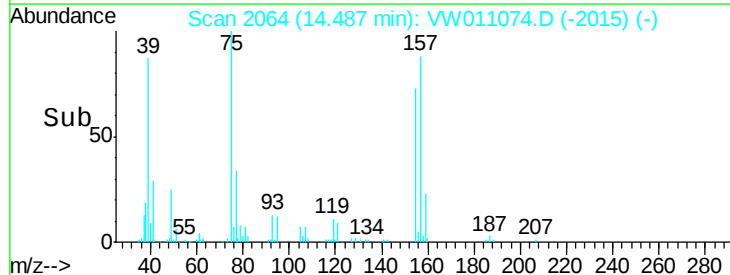
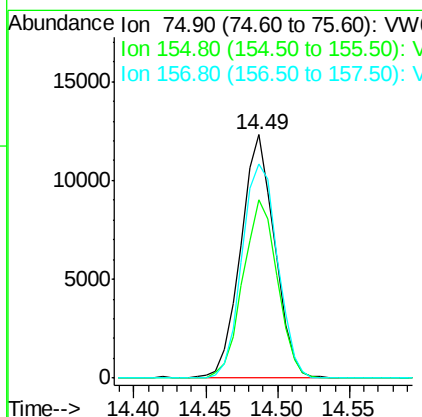
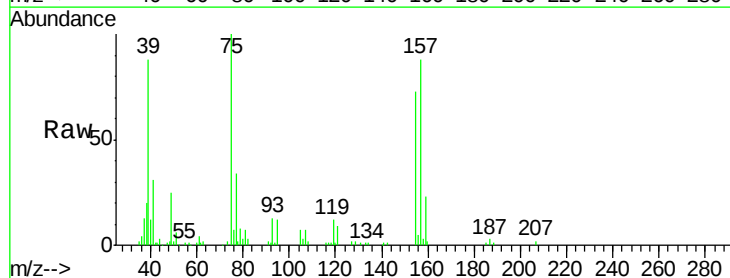
Manual Integrations
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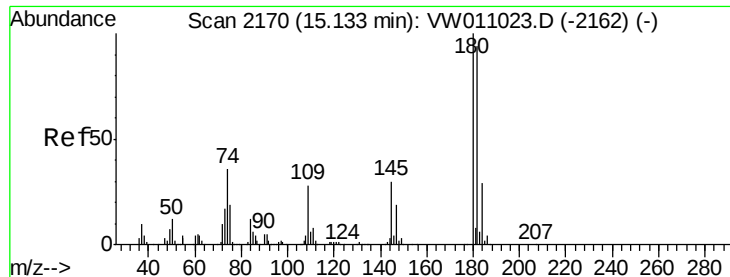
MMDadoda
 7/2/2019 3:52:31 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.905 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.2	37.0	110.9
157	91.7	45.9	137.7





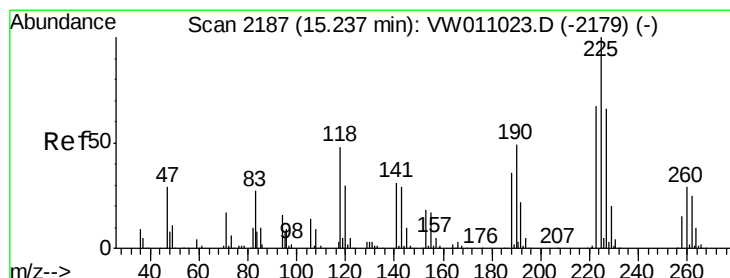
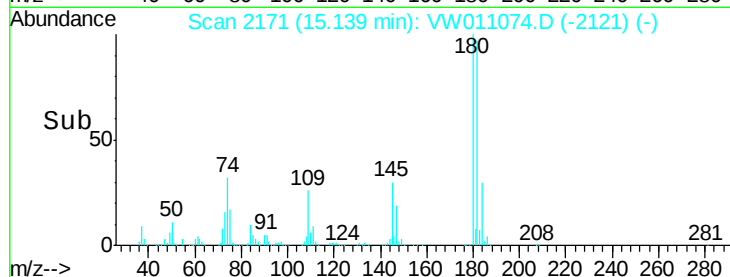
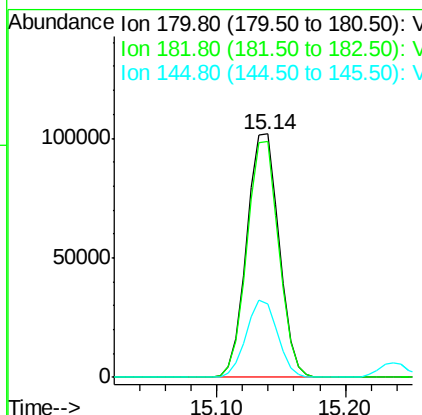
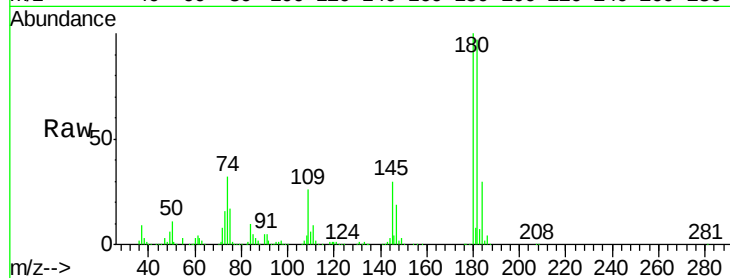
#93
 1,2,4-Trichlorobenzene
 Concen: 52.936 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	175814		
182	95.3	47.4	142.2	
145	30.8	15.3	45.8	

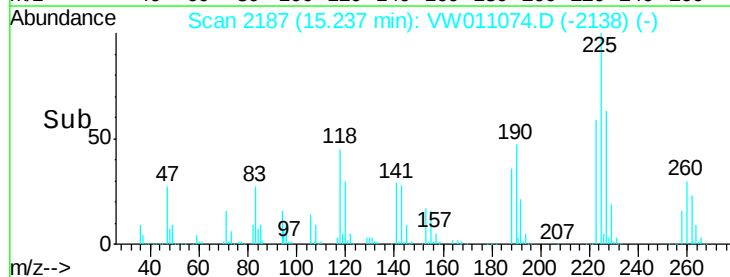
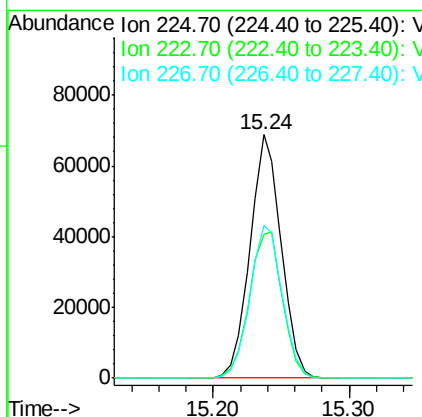
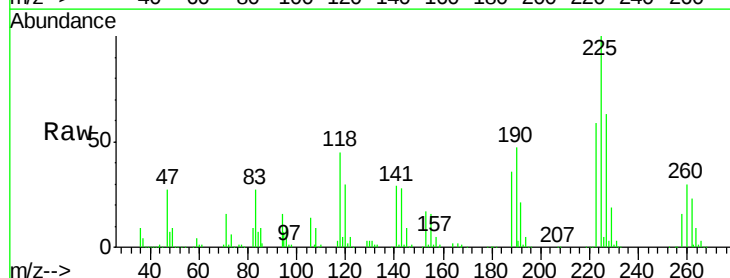
Manual Integrations
 APPROVED

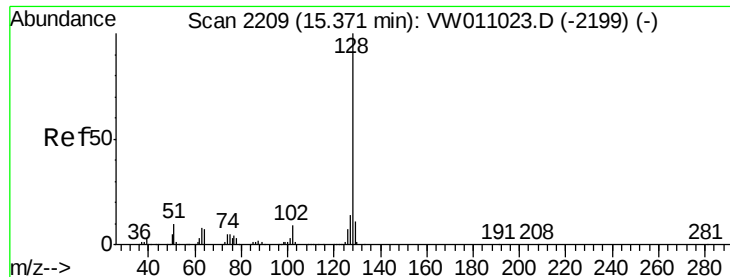
MMDadoda
 7/2/2019 3:52:31 PM



#94
 Hexachlorobutadiene
 Concen: 54.882 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011074.D
 Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110556		
223	63.8	31.9	95.9	
227	64.5	31.9	95.9	





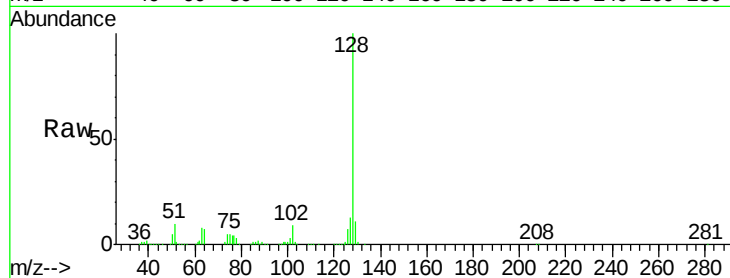
#95
Naphthalene
Concen: 51.418 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

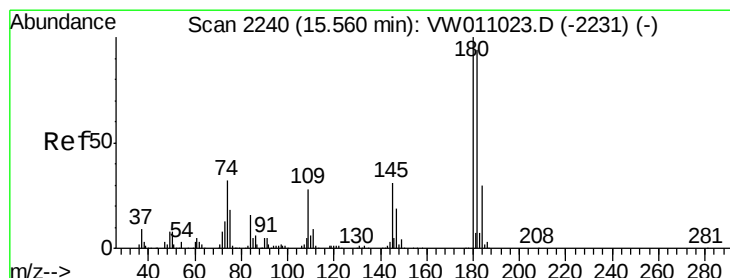
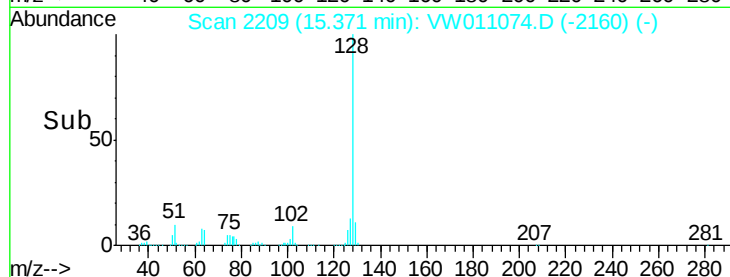
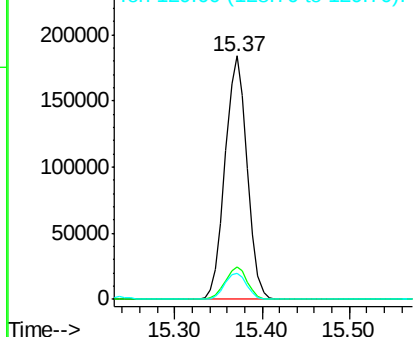
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.7	16.1
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
7/2/2019 3:52:31 PM

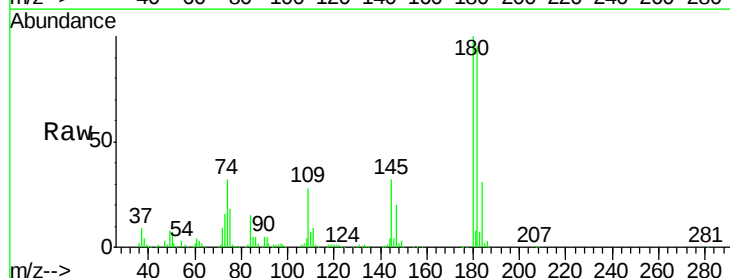


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 51.796 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011074.D
Acq: 01 Jul 2019 10:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.9	143.7
145	32.1	16.1	48.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

