

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071119\
 Data File : VW011198.D
 Acq On : 10 Jul 2019 18:42
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 2:50:05 PM

Quant Time: Jul 11 08:20:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	340960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	309631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	153044	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	128906	49.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.34%	
35) Dibromofluoromethane	7.88	113	101379	49.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.76%	
50) Toluene-d8	10.32	98	410329	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.62	95	149406	49.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	70558	45.344	ug/l	100
3) Chloromethane	2.21	50	95927	47.842	ug/l	95
4) Vinyl Chloride	2.36	62	124983	47.624	ug/l	95
5) Bromomethane	2.77	94	66178	50.183	ug/l	94
6) Chloroethane	2.92	64	70536	49.900	ug/l	96
7) Trichlorofluoromethane	3.24	101	41289	44.287	ug/l	99
8) Diethyl Ether	3.68	74	64618	50.092	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	110240	49.365	ug/l	99
10) Methyl Iodide	4.27	142	153929	50.116	ug/l	100
11) Tert butyl alcohol	5.17	59	46161	237.820	ug/l	98
12) 1,1-Dichloroethene	4.04	96	115667	49.903	ug/l	95
13) Acrolein	3.89	56	47015	304.185	ug/l	99
14) Allyl chloride	4.66	41	203456	48.137	ug/l	99
15) Acrylonitrile	5.36	53	166071	252.780	ug/l	100
16) Acetone	4.12	43	160195	253.953	ug/l	99
17) Carbon Disulfide	4.38	76	340346	48.435	ug/l	100
18) Methyl Acetate	4.67	43	79479	44.141	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	176510	50.189	ug/l	100
20) Methylene Chloride	4.92	84	126404	50.796	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	121093	50.279	ug/l	98
22) Diisopropyl ether	6.31	45	468216	51.505	ug/l	98
23) Vinyl Acetate	6.25	43	1531065	272.142	ug/l	100
24) 1,1-Dichloroethane	6.21	63	242525	50.805	ug/l	99
25) 2-Butanone	7.17	43	250342	252.820	ug/l	98
26) 2,2-Dichloropropane	7.16	77	116387	46.904	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	132574	51.029	ug/l	99
28) Bromochloromethane	7.51	49	99448	45.816	ug/l	100
29) Tetrahydrofuran	7.52	42	164493	253.346	ug/l	100
30) Chloroform	7.67	83	222060	50.230	ug/l	100
31) Cyclohexane	7.95	56	239245	47.110	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	165669	49.263	ug/l	99
36) 1,1-Dichloropropene	8.08	75	180625	49.747	ug/l	99
37) Ethyl Acetate	7.25	43	112233	51.447	ug/l	99
38) Carbon Tetrachloride	8.07	117	154484	50.190	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	223120	50.699	ug/l	98
40) Benzene	8.32	78	509143	50.740	ug/l	100
41) Methacrylonitrile	7.48	41	68285	54.729	ug/l	96
42) 1,2-Dichloroethane	8.40	62	167353	51.412	ug/l	100
43) Isopropyl Acetate	8.42	43	213108	51.741	ug/l	99
44) Trichloroethene	9.09	130	120623	49.954	ug/l	98
45) 1,2-Dichloropropane	9.37	63	141018	51.897	ug/l	99
46) Dibromomethane	9.46	93	65609	51.400	ug/l	99
47) Bromodichloromethane	9.64	83	169409	51.871	ug/l	97
48) Methyl methacrylate	9.43	41	102865	51.912	ug/l	99
49) 1,4-Dioxane	9.45	88	22679	1064.437	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	563051	261.700	ug/l	100
52) Toluene	10.38	92	312874	51.400	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	176980	50.908	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	207678	50.753	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	94556	52.217	ug/l	98
56) Ethyl methacrylate	10.65	69	145485	52.770	ug/l	99
57) 1,3-Dichloropropane	10.93	76	178768	52.206	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	346055	270.752	ug/l	100
59) 2-Hexanone	10.97	43	392794	263.253	ug/l	99
60) Dibromochloromethane	11.13	129	103847	52.297	ug/l	100
61) 1,2-Dibromoethane	11.24	107	89085	51.936	ug/l	100
64) Tetrachloroethene	10.86	164	101649	48.652	ug/l	99
65) Chlorobenzene	11.66	112	316871	50.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	112399	50.710	ug/l	98
67) Ethyl Benzene	11.73	91	607227	50.387	ug/l	99
68) m/p-Xylenes	11.84	106	442682	101.518	ug/l	100
69) o-Xylene	12.16	106	209382	50.945	ug/l	99
70) Styrene	12.18	104	366788	51.711	ug/l	99
71) Bromoform	12.35	173	57772	49.022	ug/l #	99
73) Isopropylbenzene	12.46	105	572024	49.999	ug/l	100
74) N-amyl acetate	12.27	43	204829	51.407	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	116911	49.852	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	82012m	46.371	ug/l	
77) Bromobenzene	12.75	156	127974	49.844	ug/l	100
78) n-propylbenzene	12.80	91	707522	50.203	ug/l	100
79) 2-Chlorotoluene	12.89	91	406752	50.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	490205	50.436	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	36576	46.775	ug/l	97
82) 4-Chlorotoluene	12.99	91	420454	49.775	ug/l	100
83) tert-Butylbenzene	13.21	119	409416	50.508	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	493978	50.616	ug/l	100
85) sec-Butylbenzene	13.38	105	587162	50.200	ug/l	100
86) p-Isopropyltoluene	13.50	119	532186	50.729	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	253409	51.299	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	250478	50.354	ug/l	100
89) n-Butylbenzene	13.82	91	541593	51.751	ug/l	99
90) Hexachloroethane	14.10	117	94939	49.524	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	226293	50.495	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20188	48.531	ug/l	99

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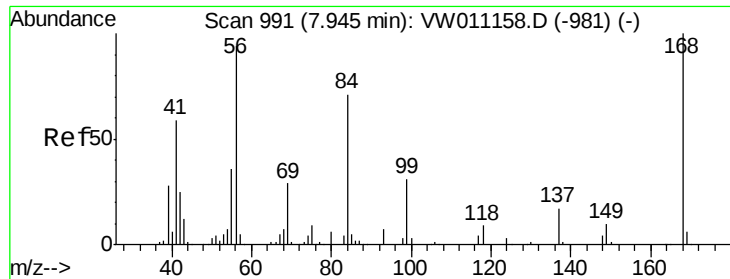
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	164706	53.359	ug/l	99
94) Hexachlorobutadiene	15.24	225	97844	51.631	ug/l	100
95) Naphthalene	15.37	128	321730	54.392	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	147687	54.213	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: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 208643

Ion Ratio Lower Upper

168 100

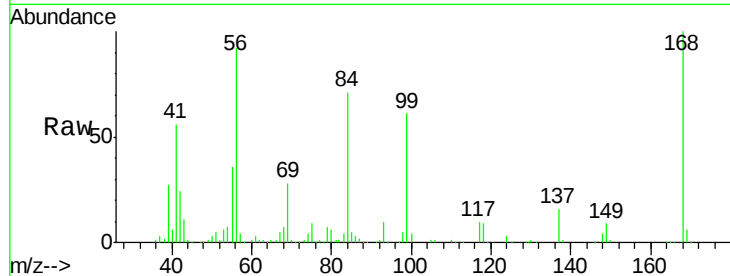
99 60.5 50.1 75.1

Manual Integrations

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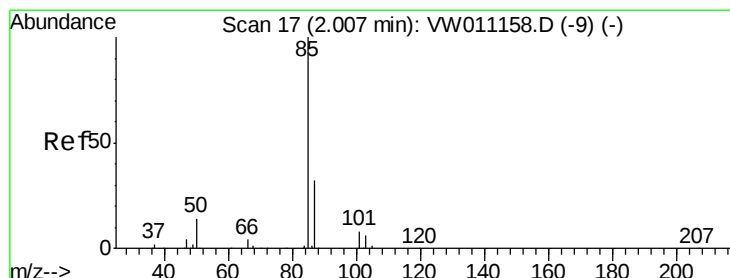
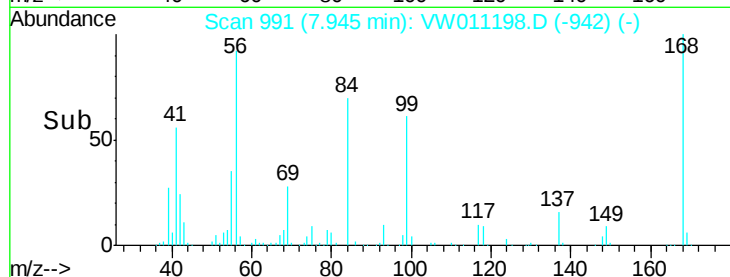
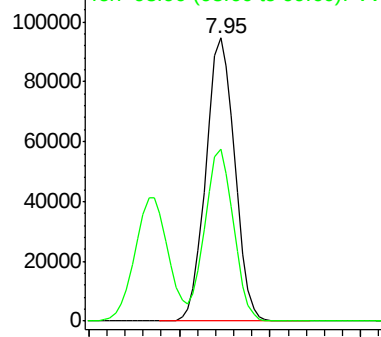
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 45.344 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW011198.D

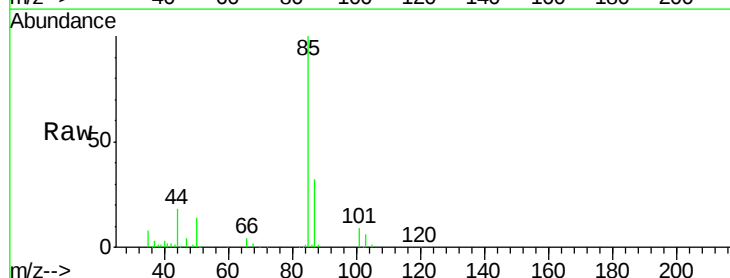
Acq: 10 Jul 2019 18:42

Tgt Ion: 85 Resp: 70558

Ion Ratio Lower Upper

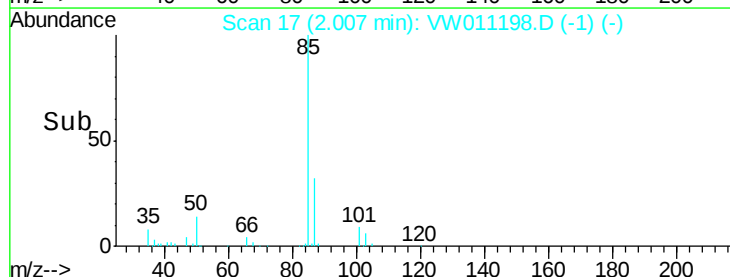
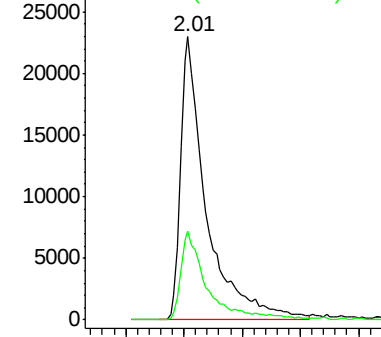
85 100

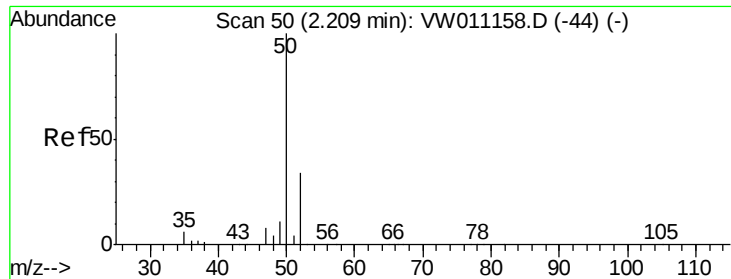
87 31.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 47.842 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 95927

Ion Ratio Lower Upper

50 100

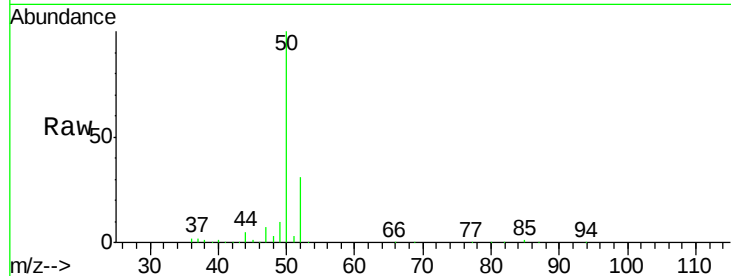
52 30.8 26.9 40.3

Manual Integrations

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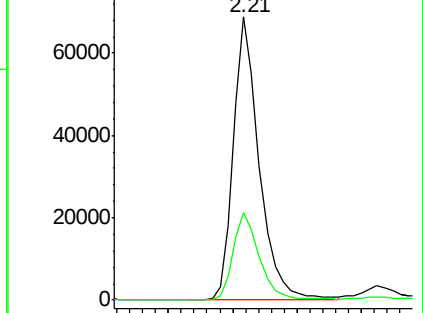
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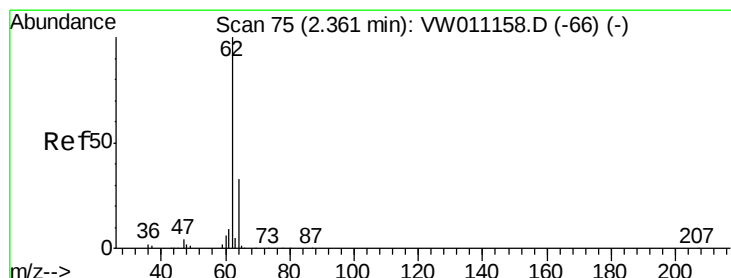
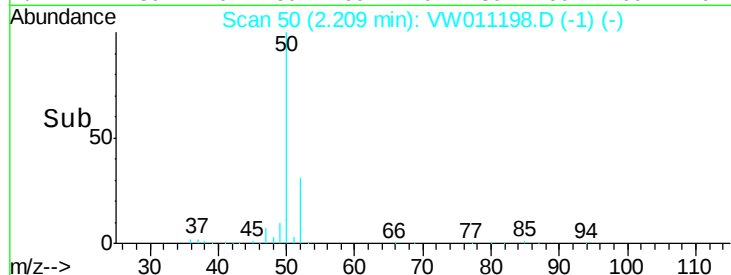


Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



Time-->



#4

Vinyl Chloride

Concen: 47.624 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW011198.D

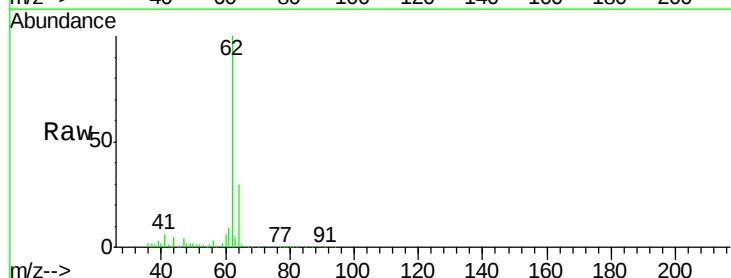
Acq: 10 Jul 2019 18:42

Tgt Ion: 62 Resp: 124983

Ion Ratio Lower Upper

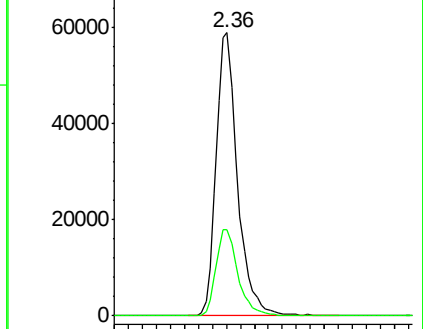
62 100

64 30.4 26.6 40.0

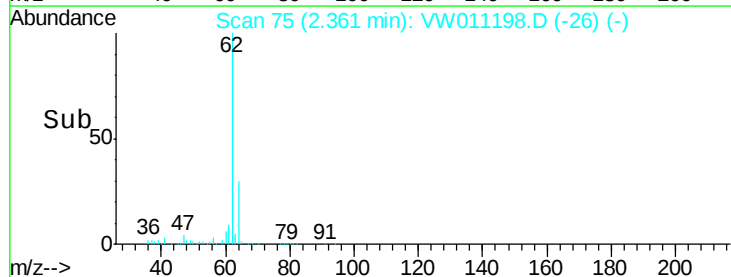


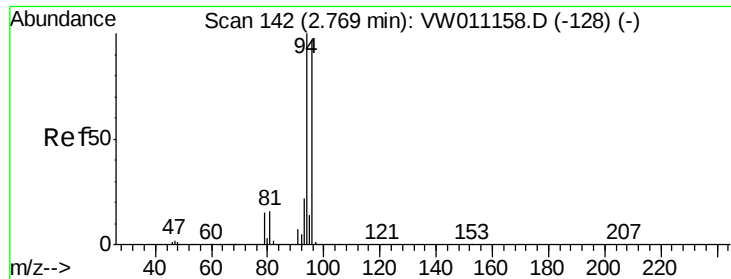
Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW



Time-->





#5

Bromomethane

Concen: 50.183 ug/l

RT: 2.77 min Scan# 142

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 66178

Ion Ratio Lower Upper

94 100

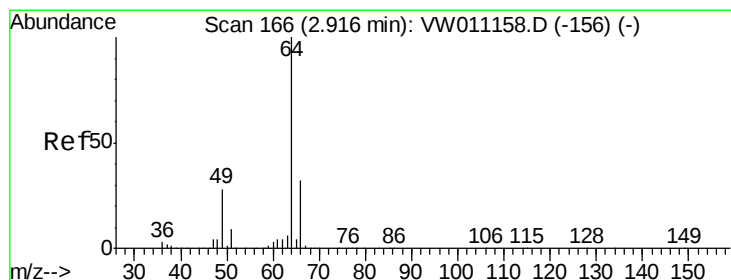
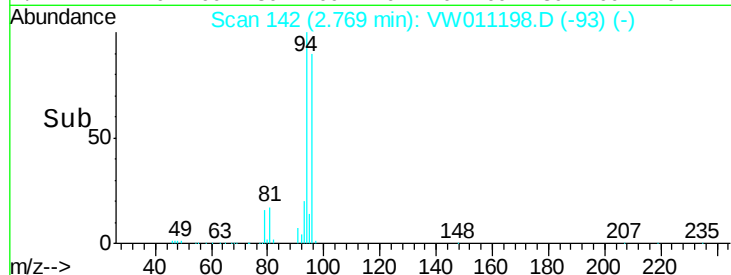
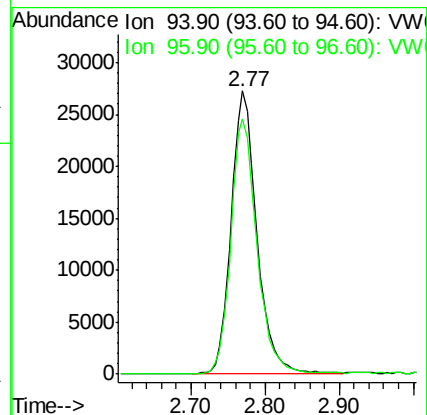
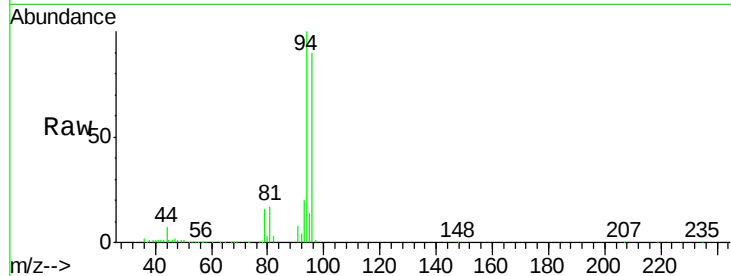
96 90.4 77.4 116.0

Manual Integrations

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#6

Chloroethane

Concen: 49.900 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW011198.D

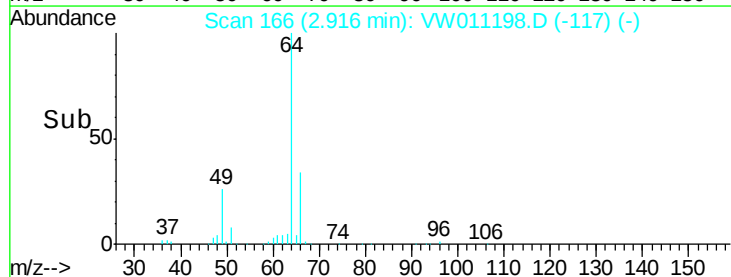
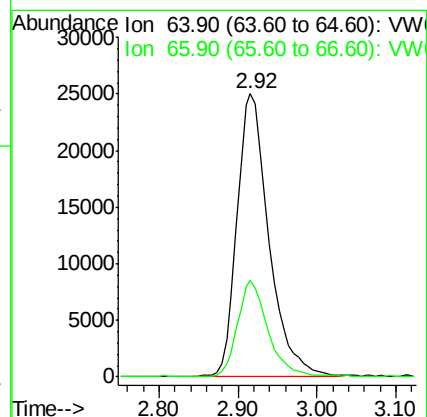
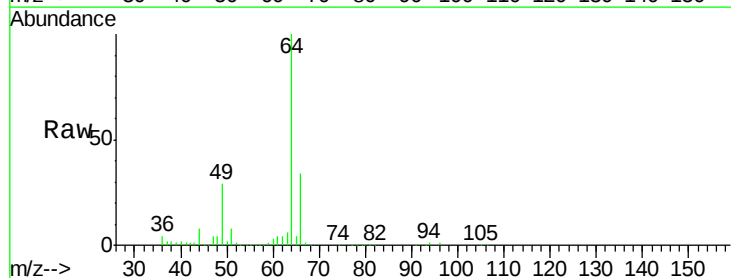
Acq: 10 Jul 2019 18:42

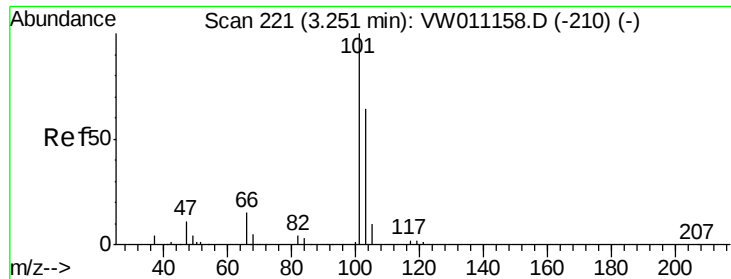
Tgt Ion: 64 Resp: 70536

Ion Ratio Lower Upper

64 100

66 34.3 25.8 38.8





#7

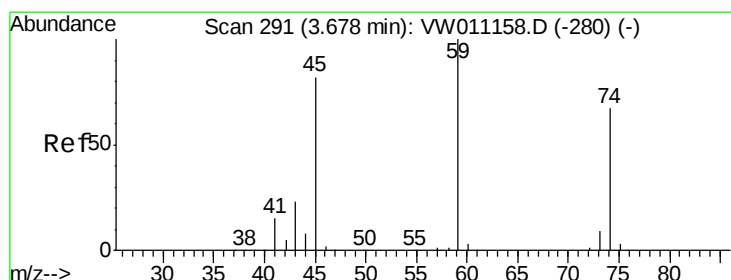
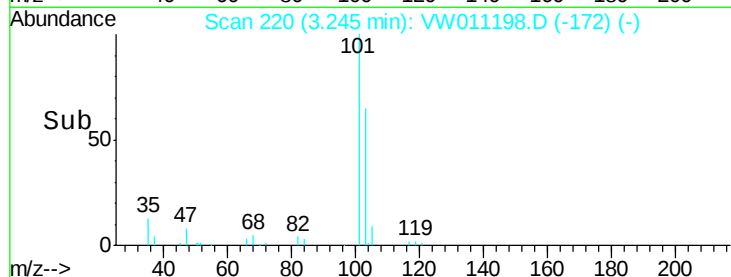
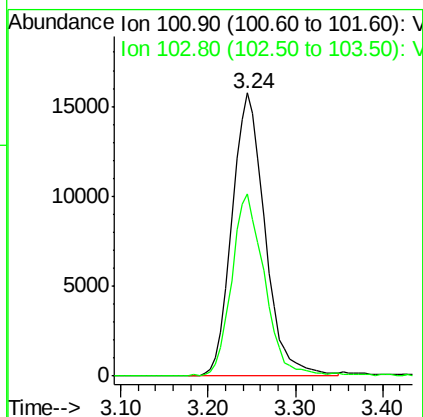
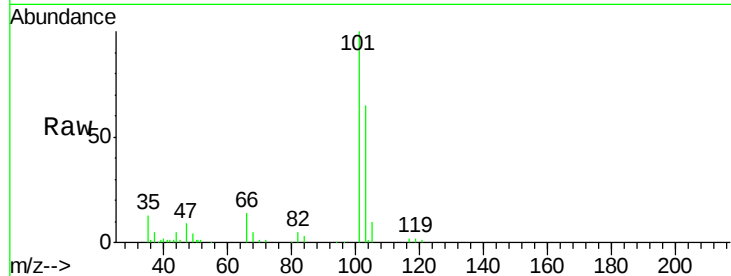
Trichlorofluoromethane
Concen: 44.287 ug/l
RT: 3.24 min Scan# 220
Delta R.T. -0.01 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 41289
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9

Manual Integrations
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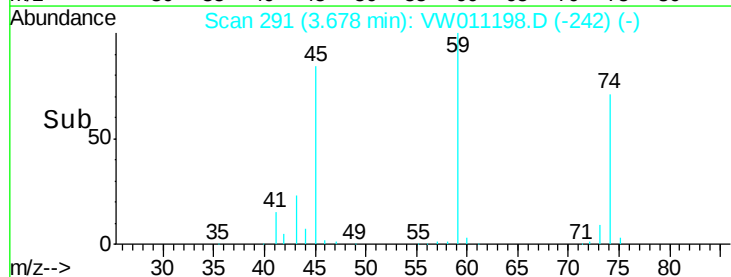
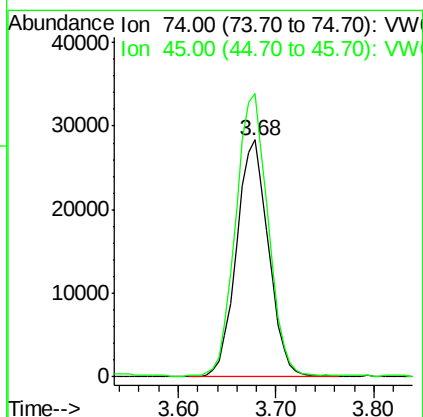
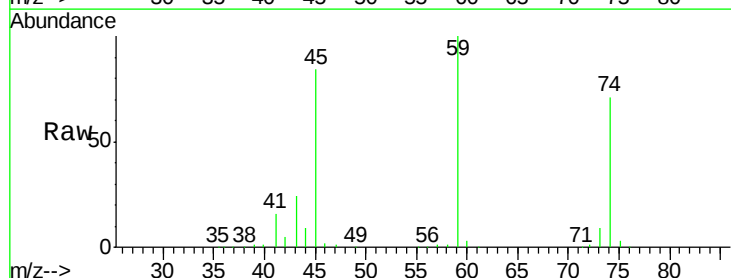
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7/11/2019 2:50:05 PM

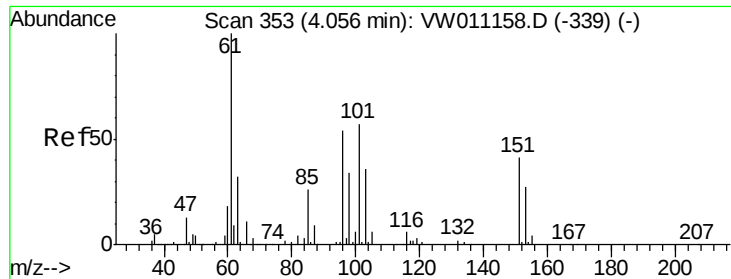


#8

Diethyl Ether
Concen: 50.092 ug/l
RT: 3.68 min Scan# 291
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion: 74 Resp: 64618
Ion Ratio Lower Upper
74 100
45 120.3 59.9 179.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.365 ug/l

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

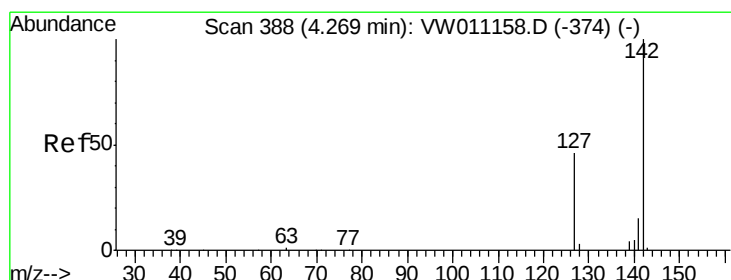
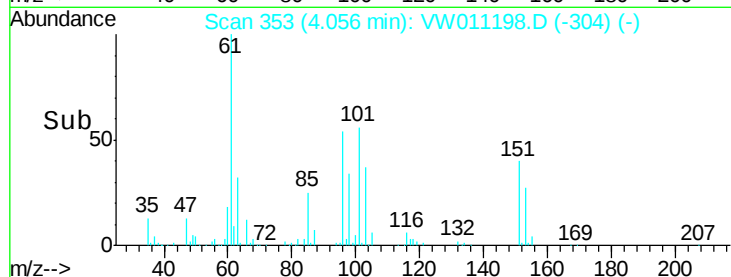
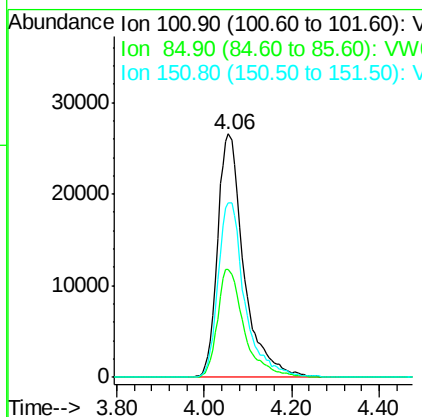
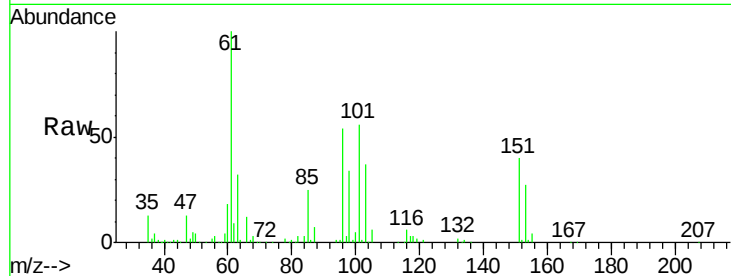
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	110240
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.5	54.7
151	73.0	59.1	88.7

Manual Integrations
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#10

Methyl Iodide

Concen: 50.116 ug/l

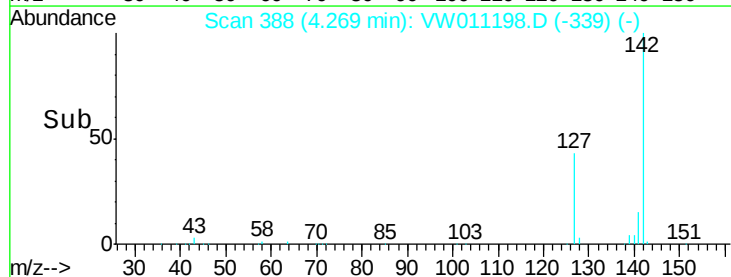
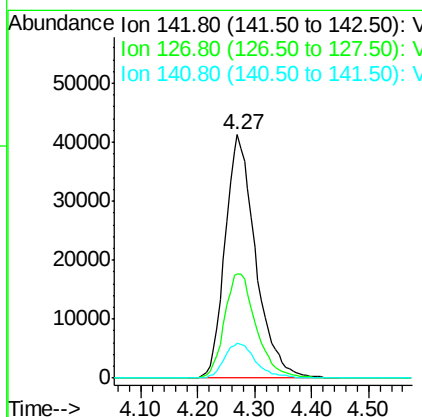
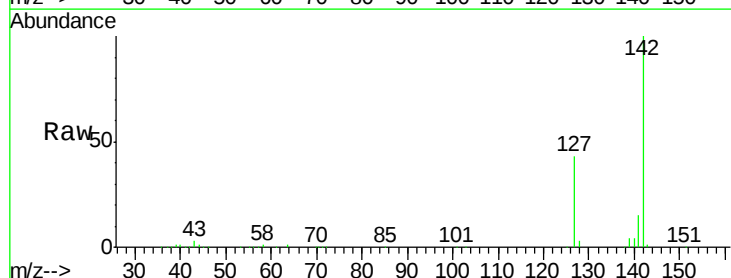
RT: 4.27 min Scan# 388

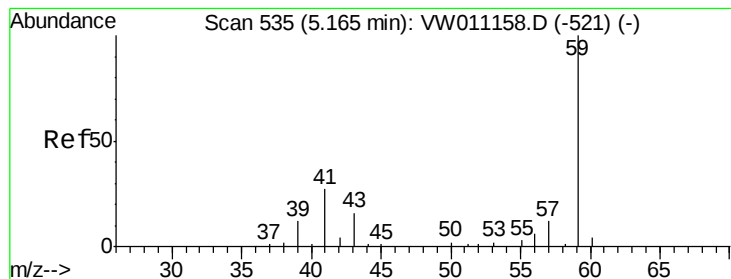
Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Tgt Ion:	142	Resp:	153929
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.7	53.5
141	14.9	11.5	17.3





#11

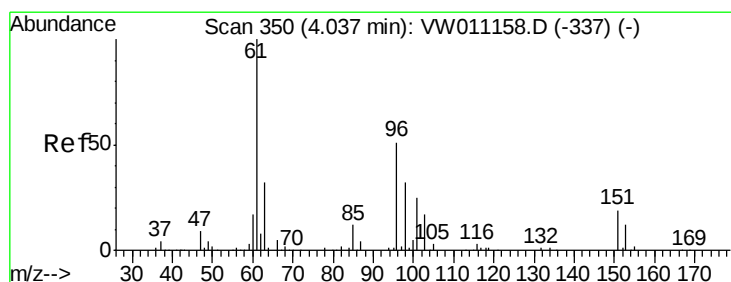
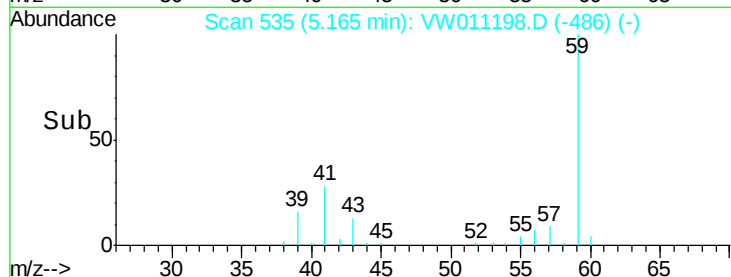
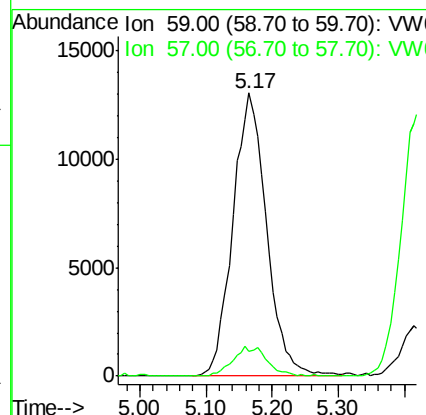
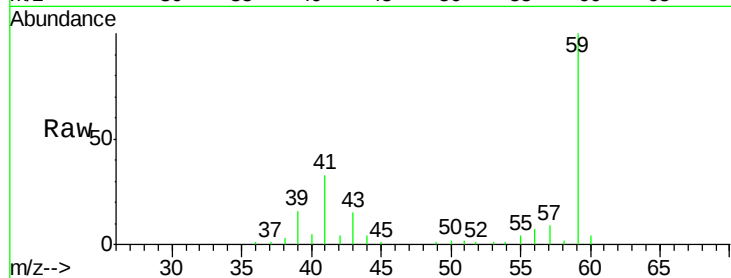
Tert butyl alcohol
 Concen: 237.820 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.6

Manual Integrations
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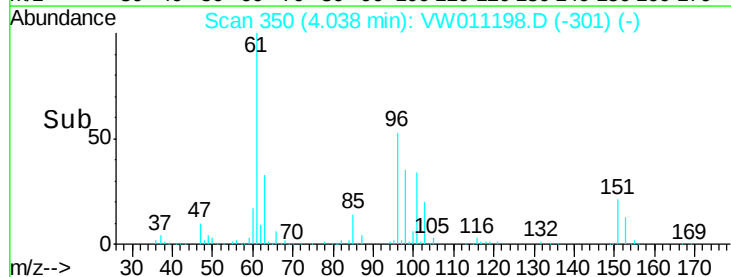
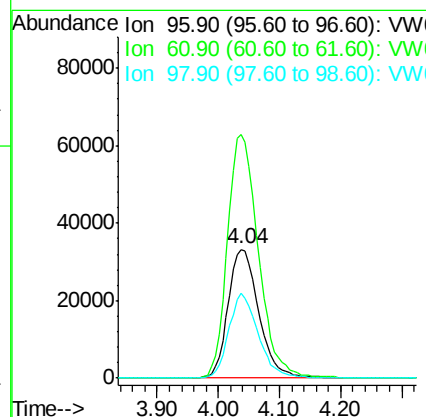
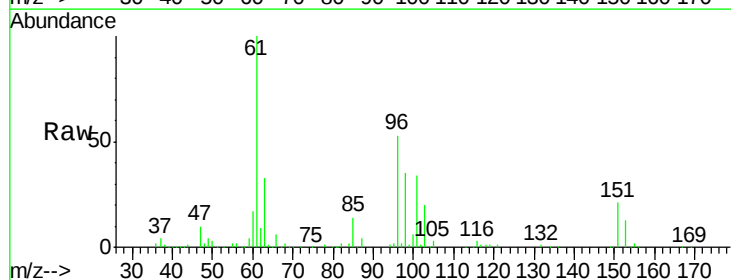
MMDadoda
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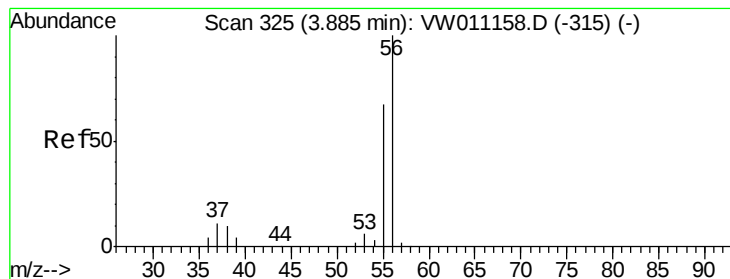


#12

1,1-Dichloroethene
 Concen: 49.903 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	188.9	157.7	236.5
98	65.8	50.9	76.3





#13

Acrolein

Concen: 304.185 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 47015

Ion Ratio Lower Upper

56 100

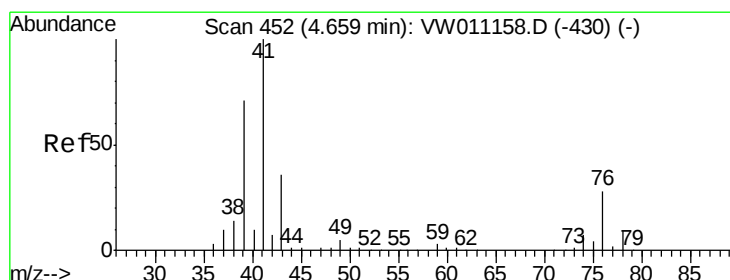
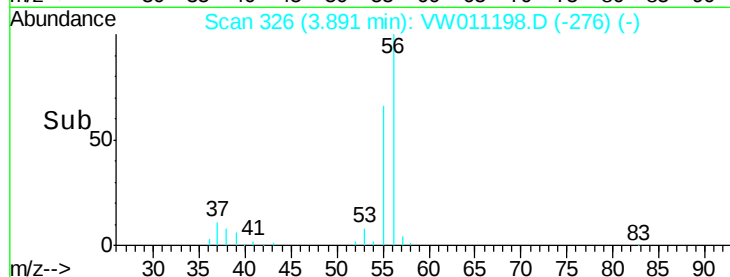
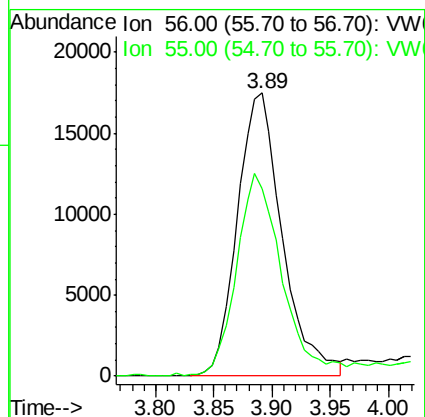
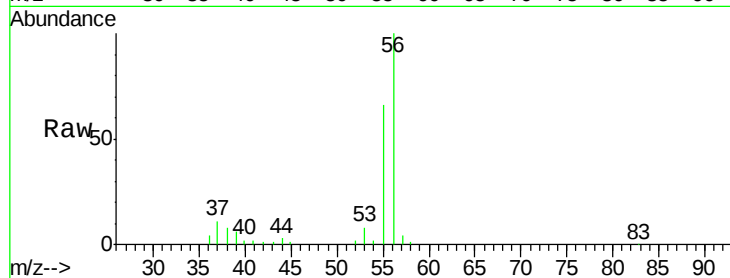
55 71.3 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.137 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

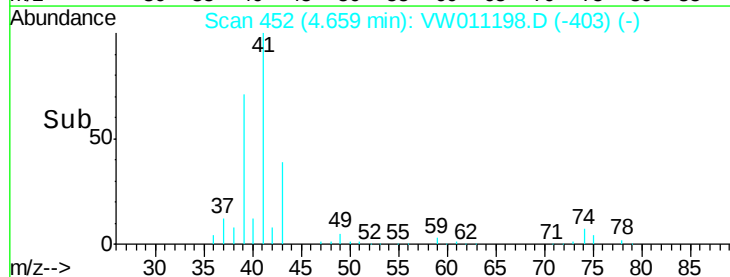
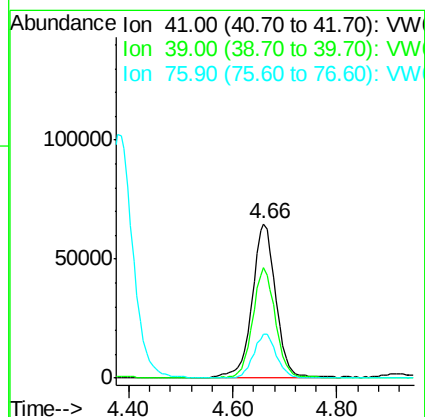
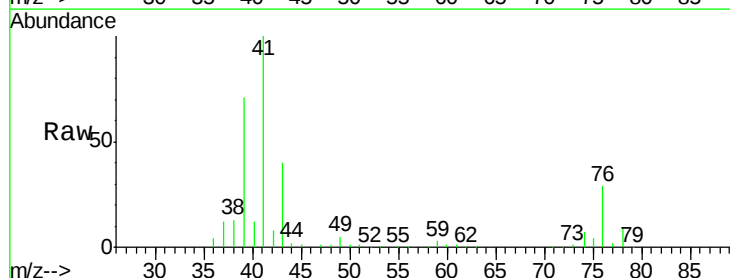
Tgt Ion: 41 Resp: 203456

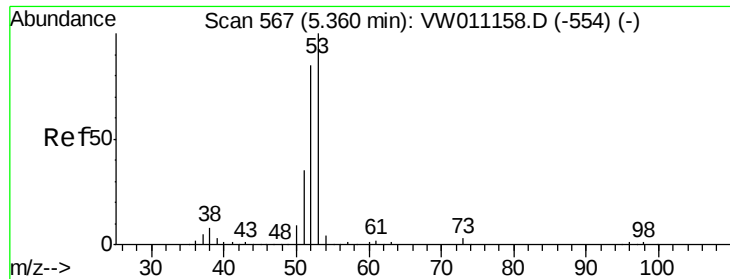
Ion Ratio Lower Upper

41 100

39 68.4 55.1 82.7

76 27.5 22.5 33.7





#15

Acrylonitrile

Concen: 252.780 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

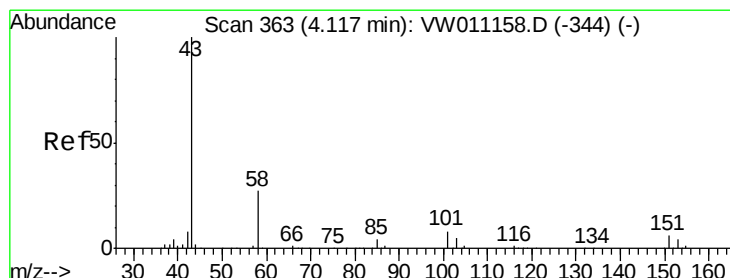
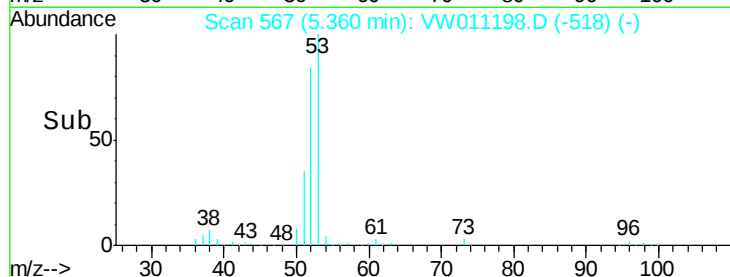
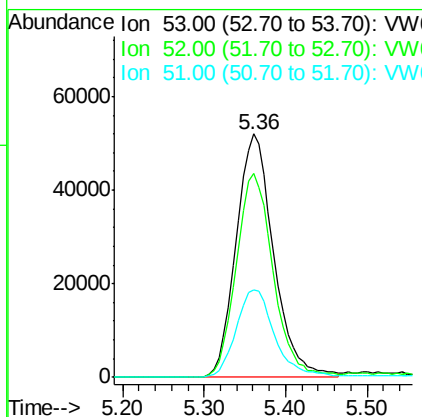
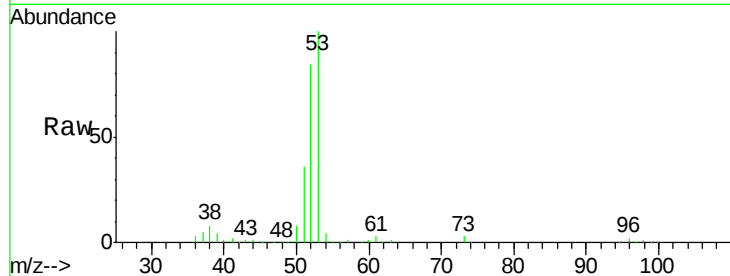
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	166071
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.4
51	36.9	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 253.953 ug/l

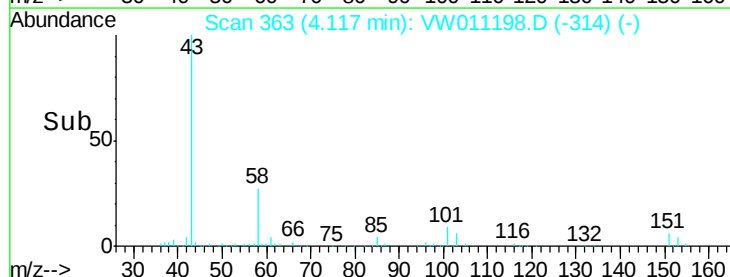
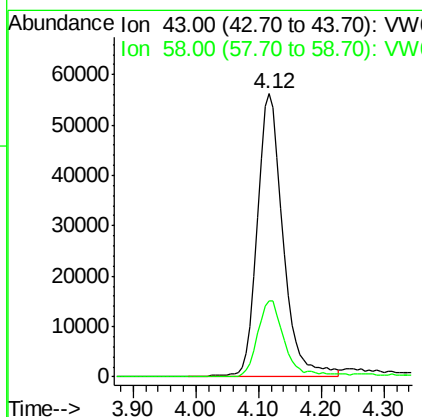
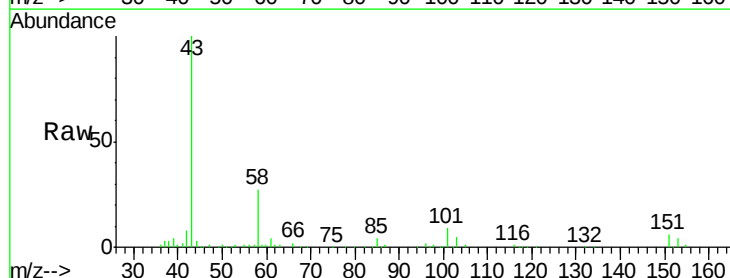
RT: 4.12 min Scan# 363

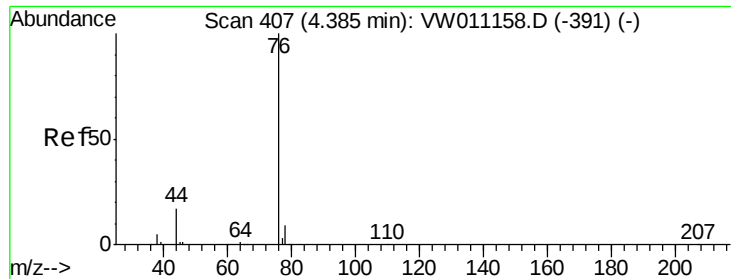
Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Tgt Ion:	43	Resp:	160195
Ion	Ratio	Lower	Upper
43	100		
58	26.9	21.8	32.6





#17

Carbon Disulfide

Concen: 48.435 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 340346

Ion Ratio Lower Upper

76 100

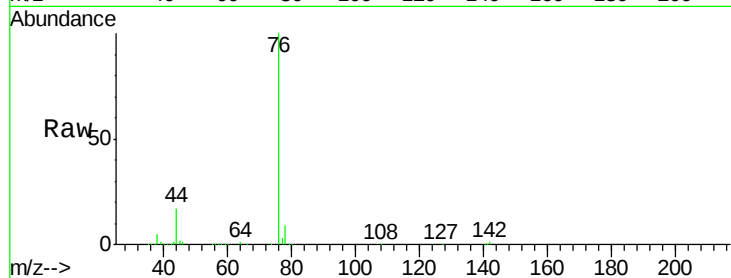
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

120000

100000

80000

60000

40000

20000

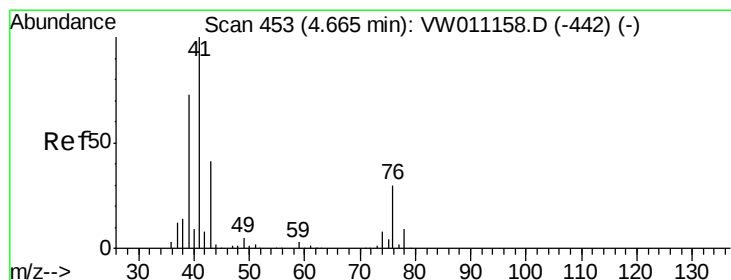
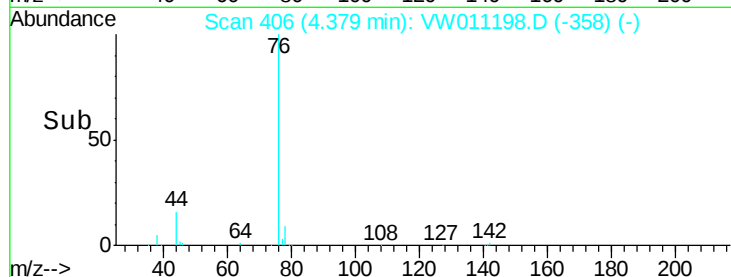
0

4.20

4.40

4.60

Time-->



#18

Methyl Acetate

Concen: 44.141 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW011198.D

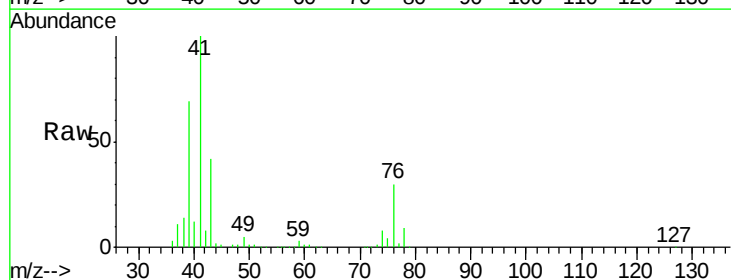
Acq: 10 Jul 2019 18:42

Tgt Ion: 43 Resp: 79479

Ion Ratio Lower Upper

43 100

74 19.6 15.7 23.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

30000

25000

20000

15000

10000

5000

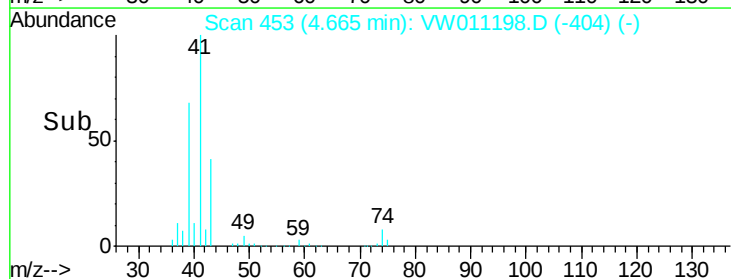
0

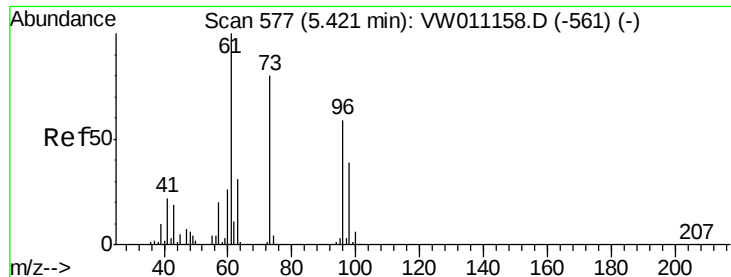
4.60

4.70

4.80

Time-->





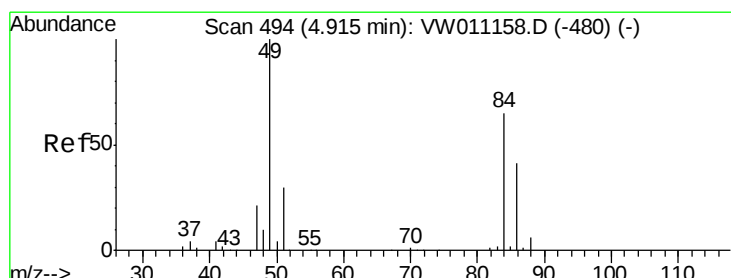
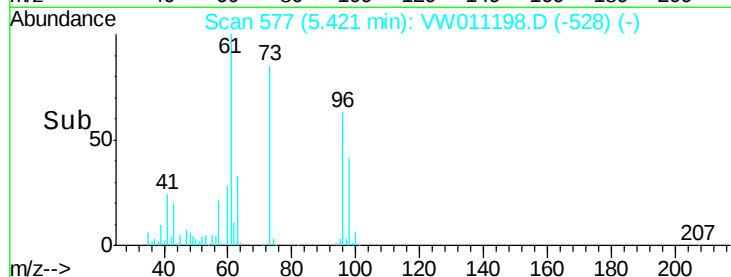
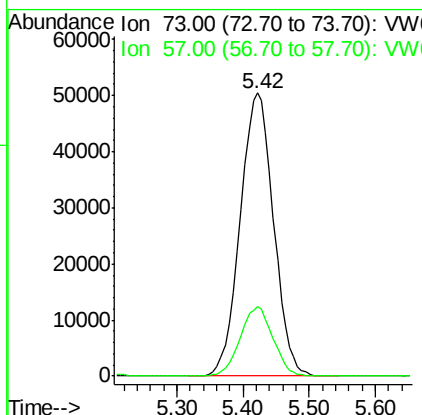
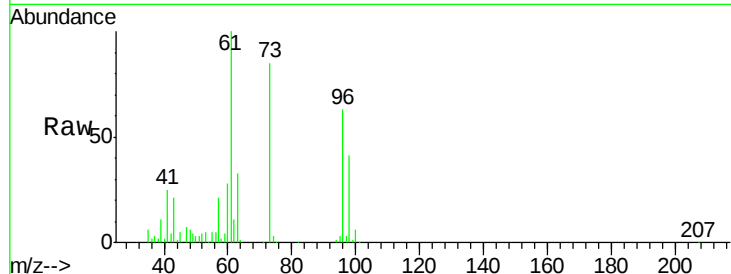
#19
Methvl tert-butvl Ether
Concen: 50.189 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 176510
Ion Ratio Lower Upper
73 100
57 24.8 19.7 29.5

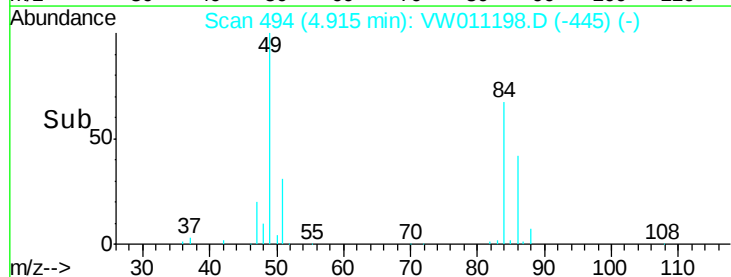
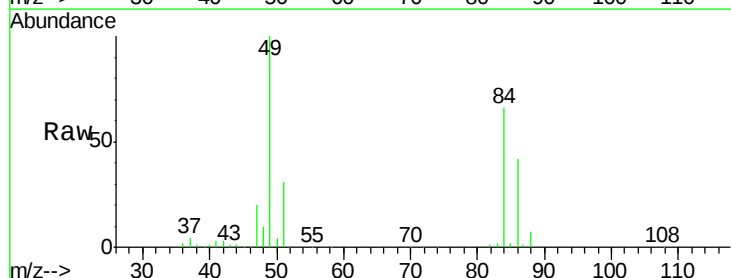
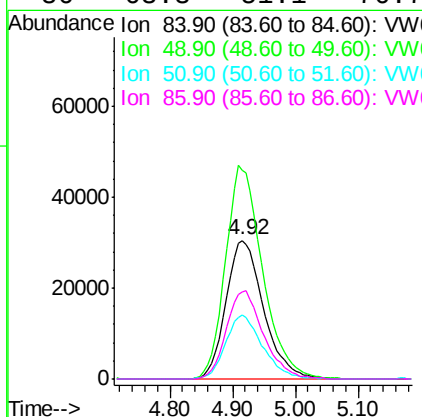
Manual Integrations
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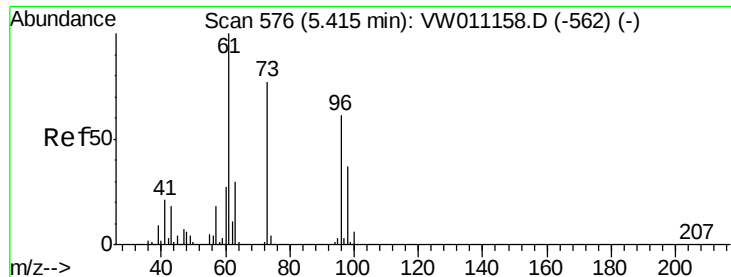
MMDadoda
7/11/2019 2:50:05 PM



#20
Methylene Chloride
Concen: 50.796 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion: 84 Resp: 126404
Ion Ratio Lower Upper
84 100
49 150.5 123.8 185.6
51 46.3 37.4 56.2
86 63.3 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.279 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

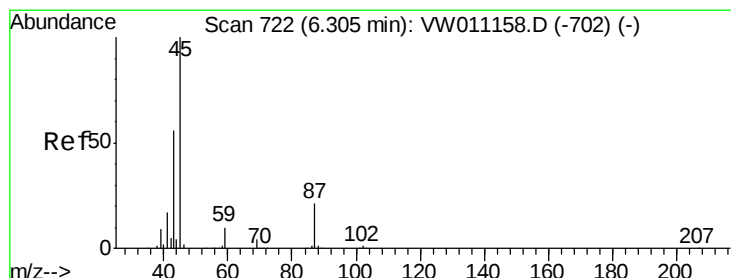
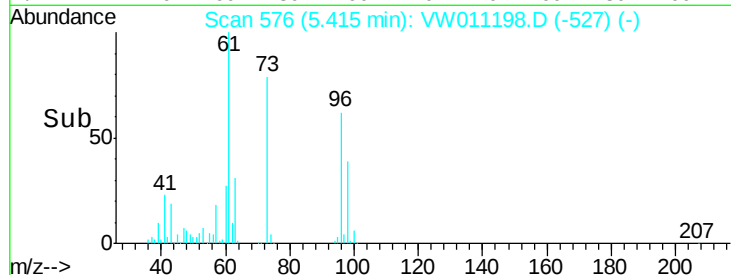
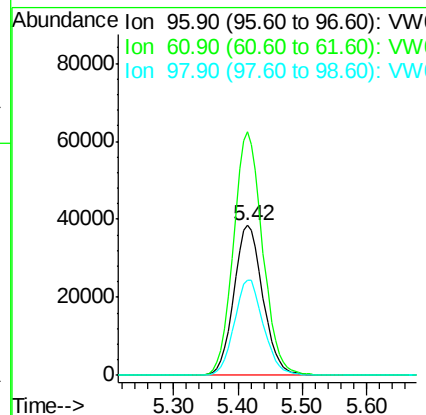
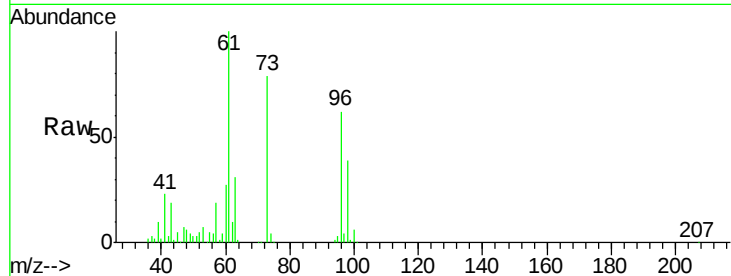
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	121093
Ion	Ratio	Lower	Upper
96	100		
61	162.5	132.2	198.2
98	63.5	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.505 ug/l

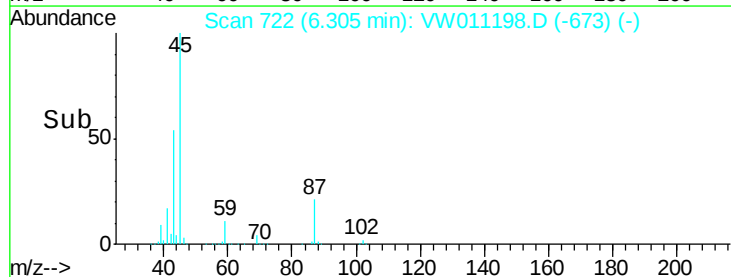
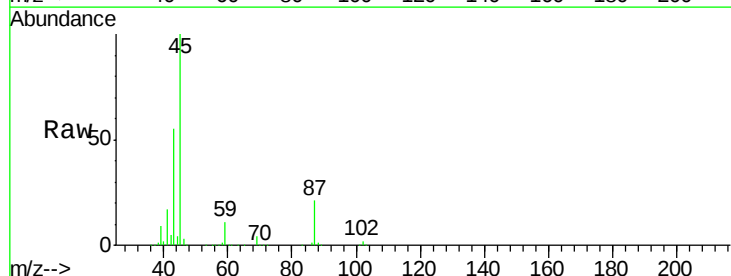
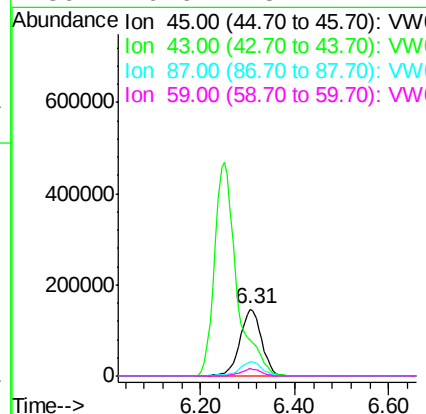
RT: 6.31 min Scan# 722

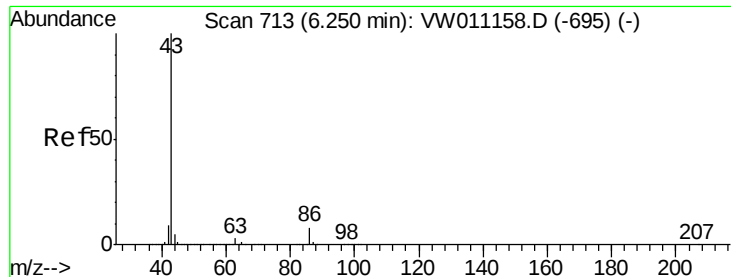
Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Tgt Ion:	45	Resp:	468216
Ion	Ratio	Lower	Upper
45	100		
43	54.3	44.6	66.8
87	20.5	17.3	25.9
59	10.6	8.2	12.2





#23

Vinyl Acetate

Concen: 272.142 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1531065

Ion Ratio Lower Upper

43 100

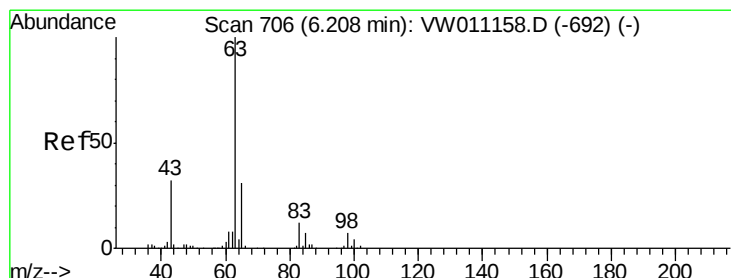
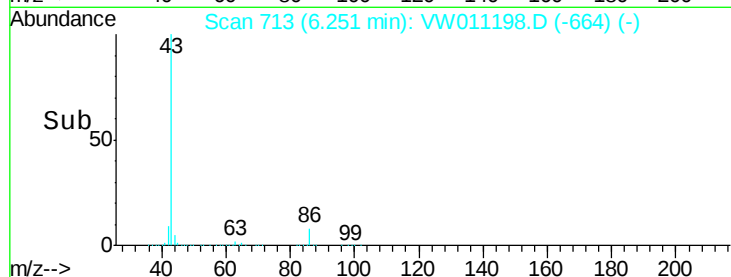
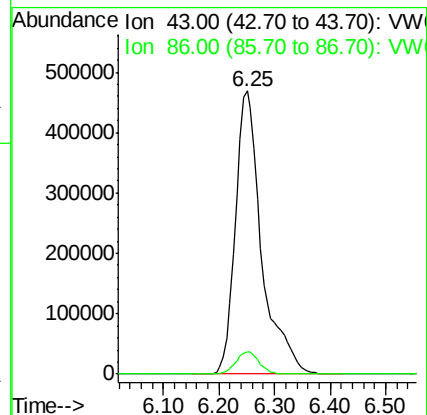
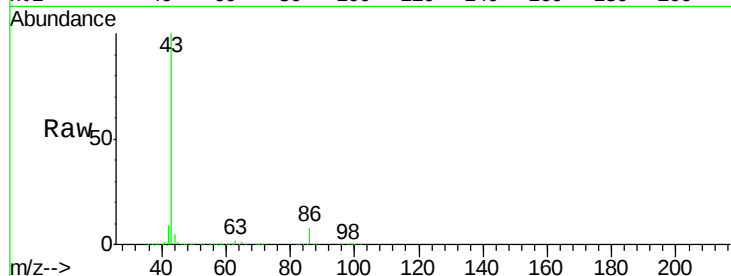
86 8.1 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.805 ug/l

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

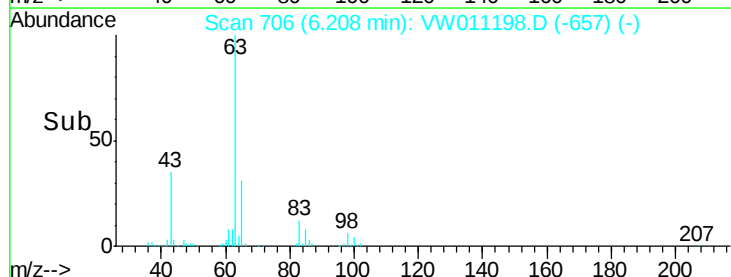
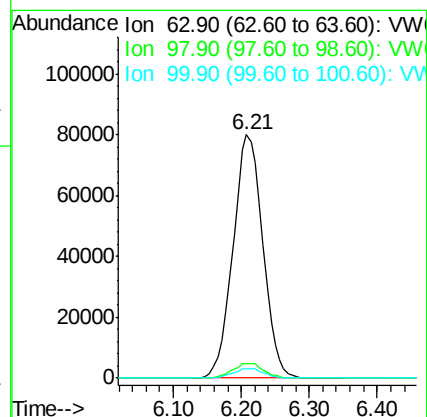
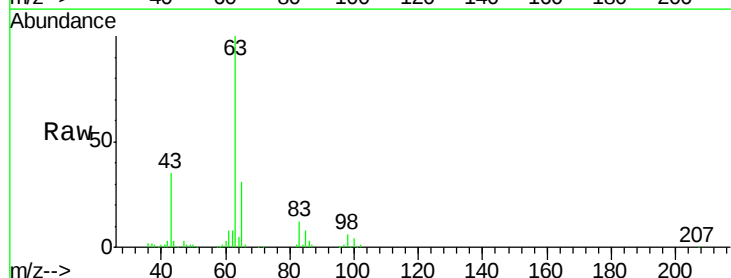
Tgt Ion: 63 Resp: 242525

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

100 3.7 2.1 6.2





#25

2-Butanone

Concen: 252.820 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 250342

Ion Ratio Lower Upper

43 100

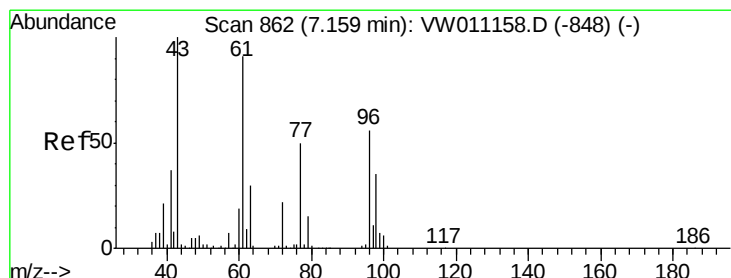
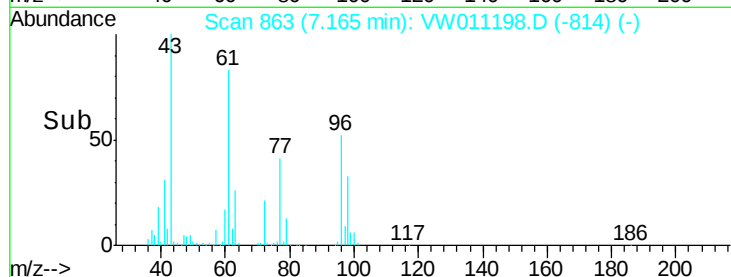
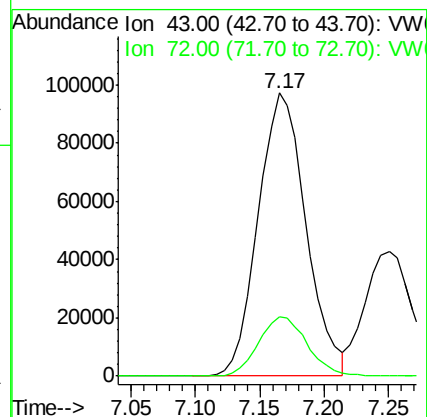
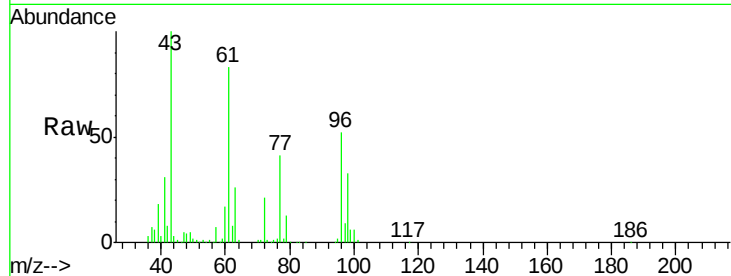
72 20.9 17.6 26.4

Manual Integrations

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7/11/2019 2:50:05 PM



#26

2,2-Dichloropropane

Concen: 46.904 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW011198.D

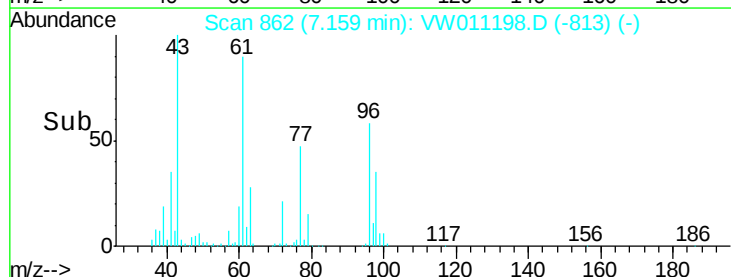
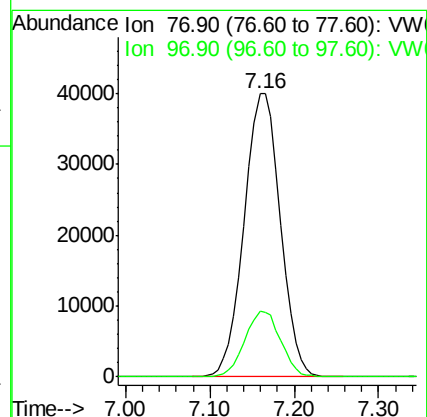
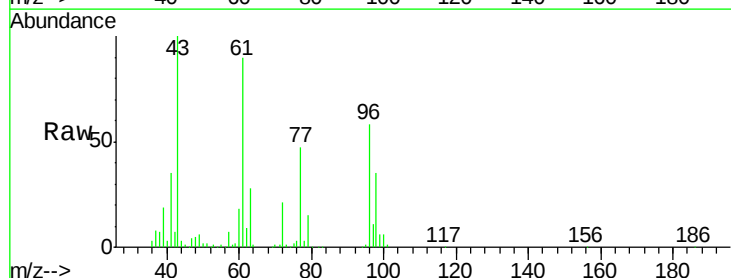
Acq: 10 Jul 2019 18:42

Tgt Ion: 77 Resp: 116387

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.5





#27

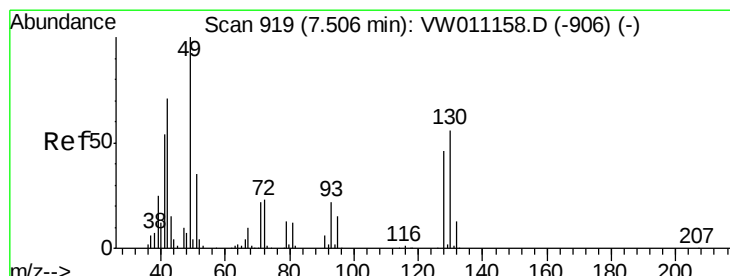
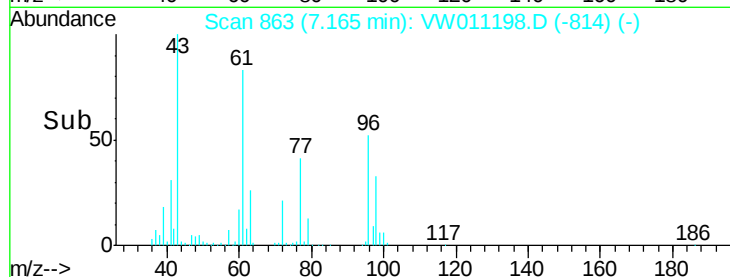
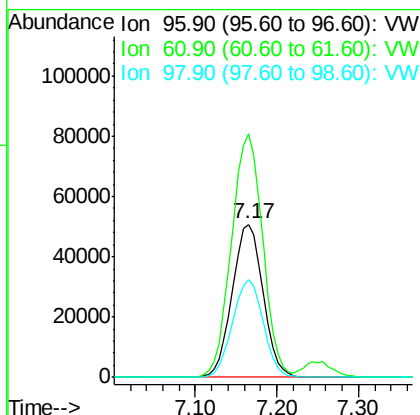
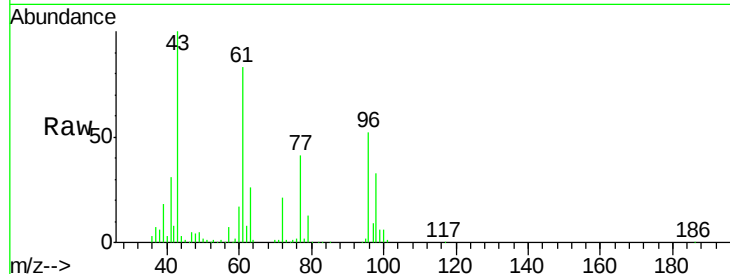
cis-1,2-Dichloroethene
Concen: 51.029 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.2	0.0	325.6
98	63.4	0.0	128.2

Manual Integrations
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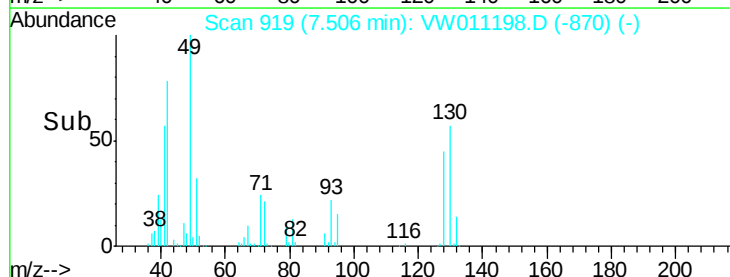
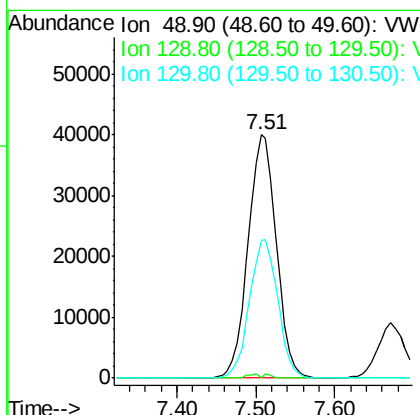
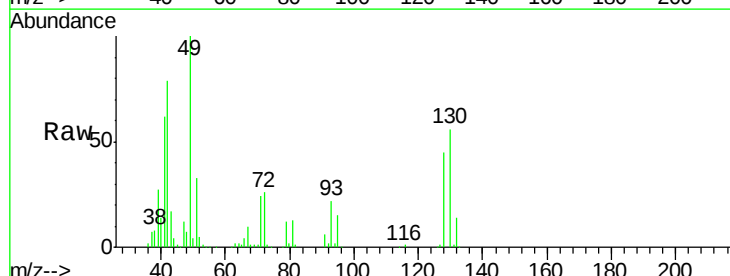
MMDadoda
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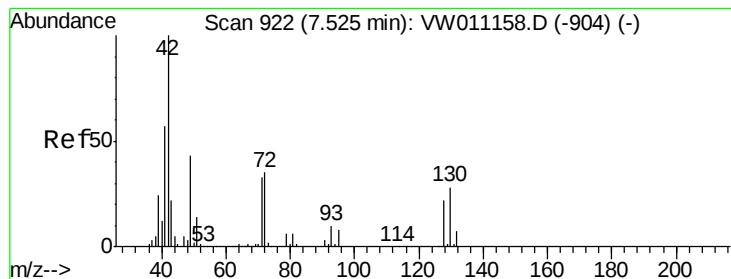


#28

Bromochloromethane
Concen: 45.816 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	1.4
130	57.1	45.8	68.8





#29

Tetrahydrofuran

Concen: 253.346 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

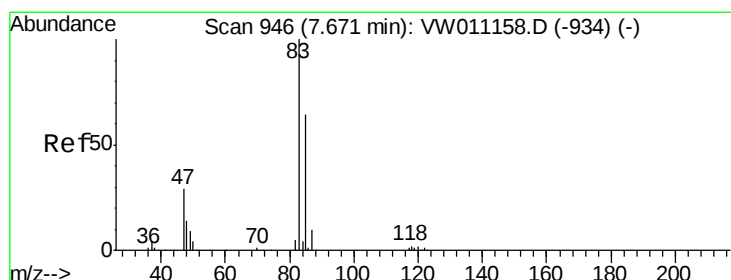
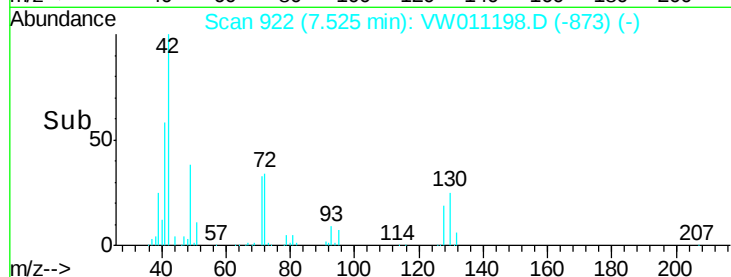
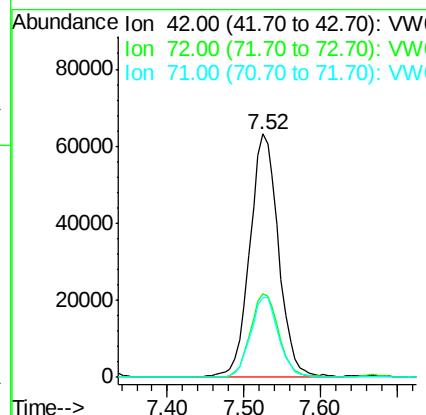
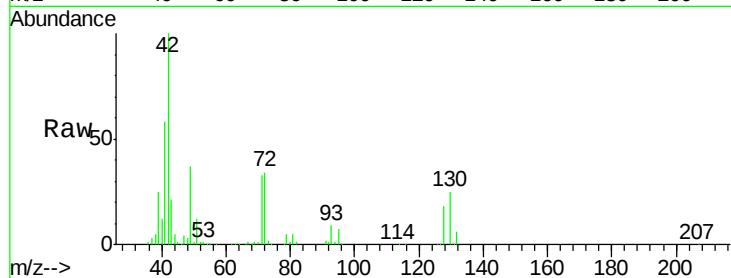
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	164493
Ion	Ratio	Lower	Upper
42	100		
72	34.3	27.4	41.2
71	32.2	25.9	38.9

Manual Integrations
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#30

Chloroform

Concen: 50.230 ug/l

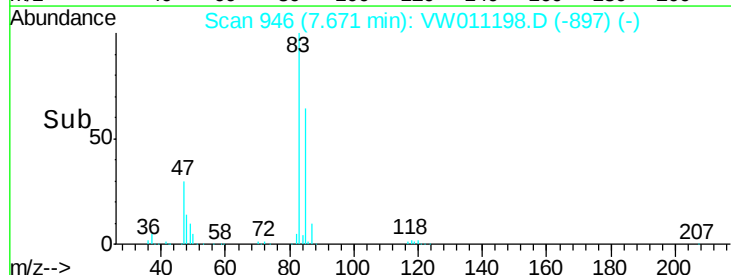
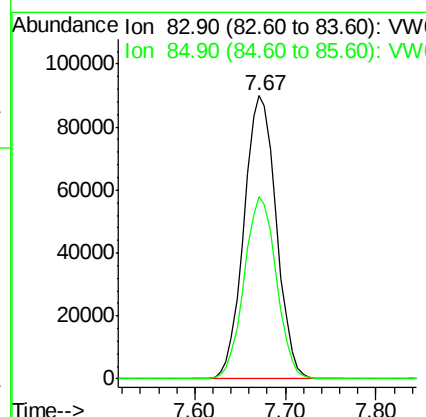
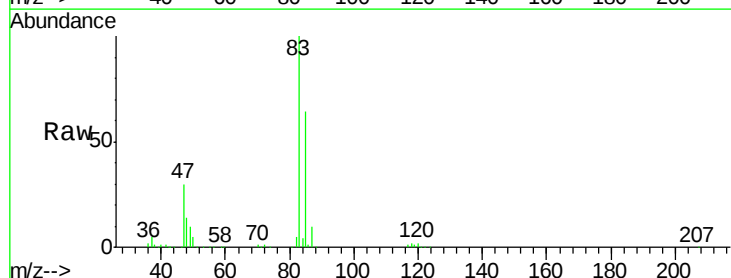
RT: 7.67 min Scan# 946

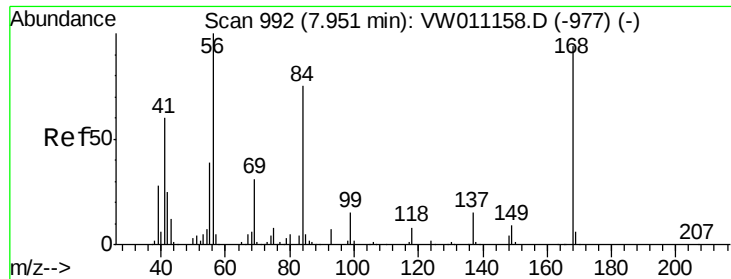
Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Tgt Ion:	83	Resp:	222060
Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.4	77.2





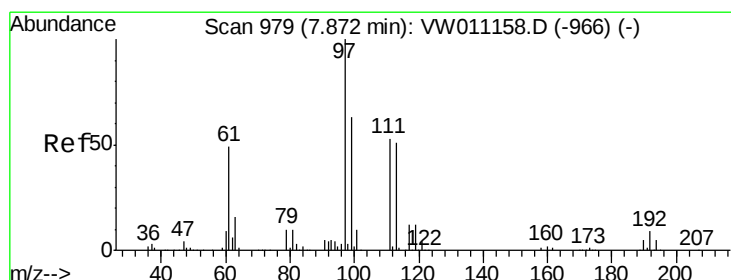
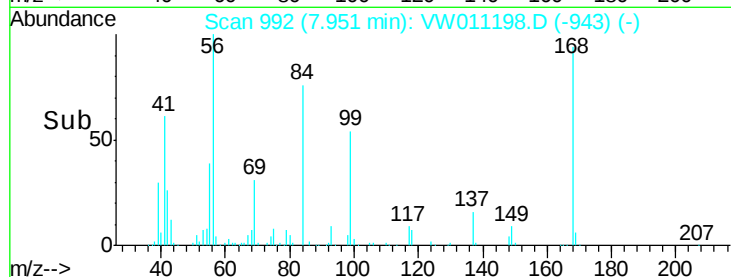
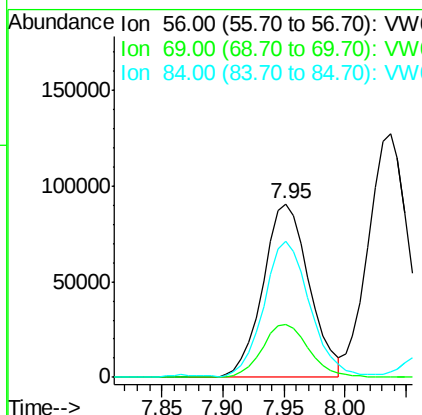
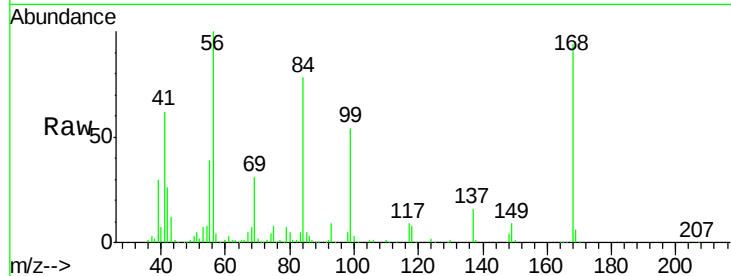
#31
Cyclohexane
Concen: 47.110 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.6	36.8
84	77.1	60.1	90.1

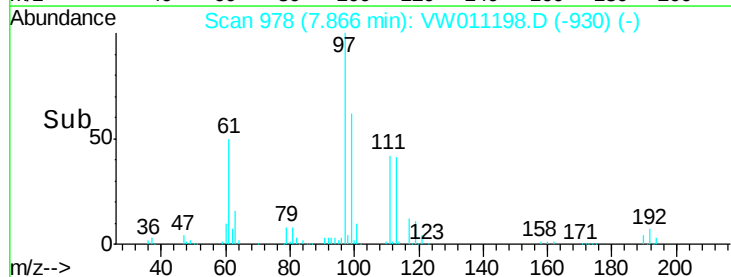
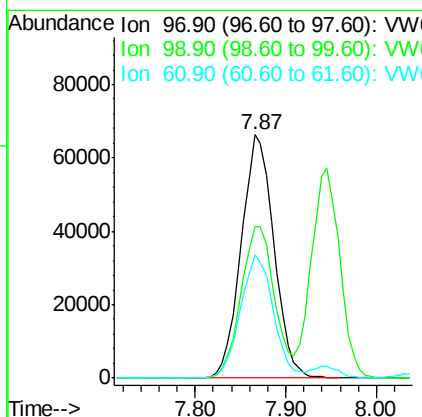
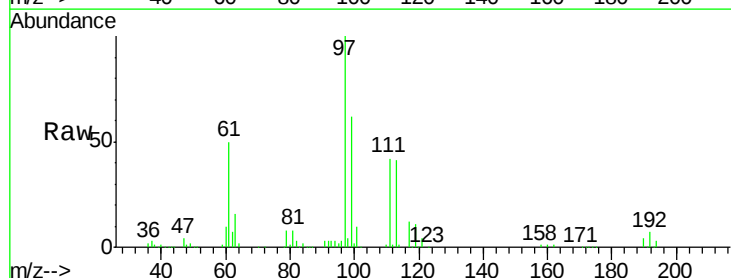
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 49.263 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.4
61	50.9	40.4	60.6





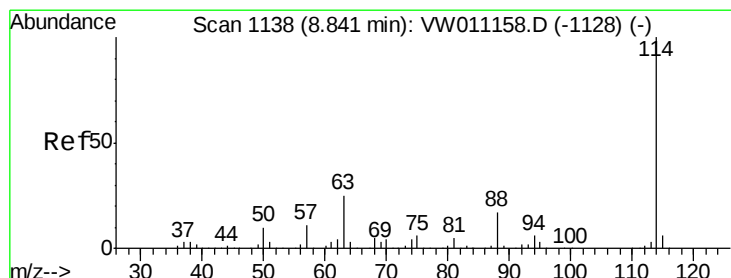
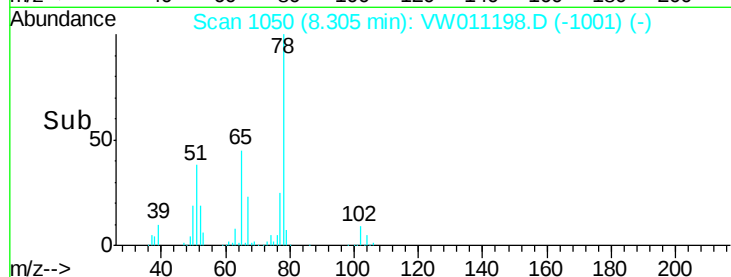
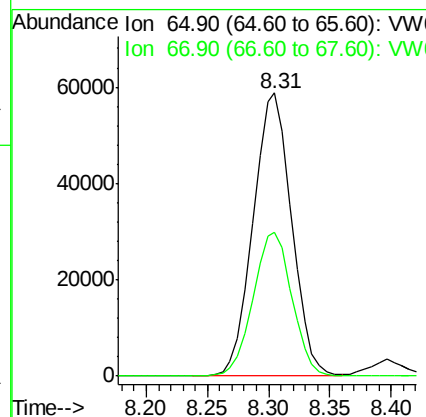
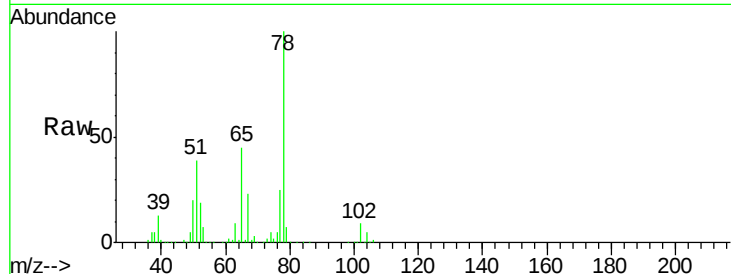
#33
 1,2-Dichloroethane-d4
 Concen: 49.169 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	128906		
67	51.3	0.0	104.4	

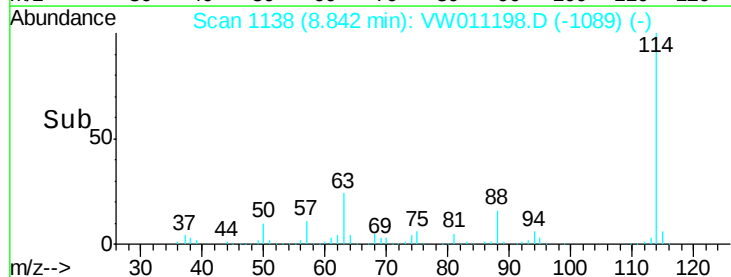
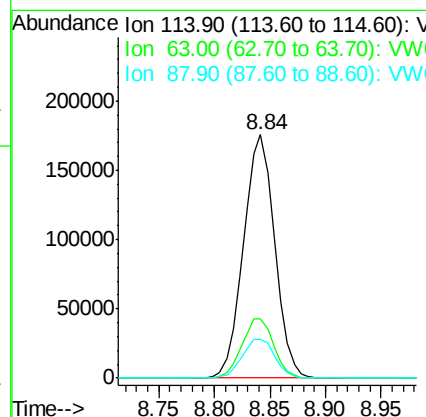
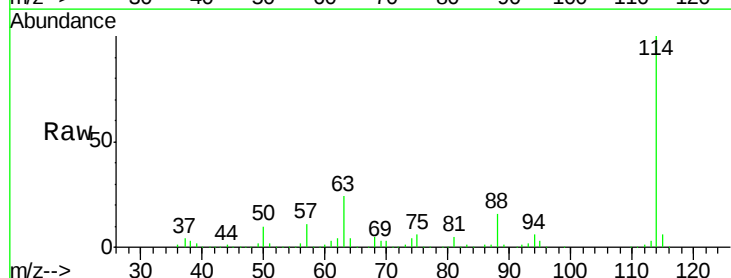
Manual Integrations
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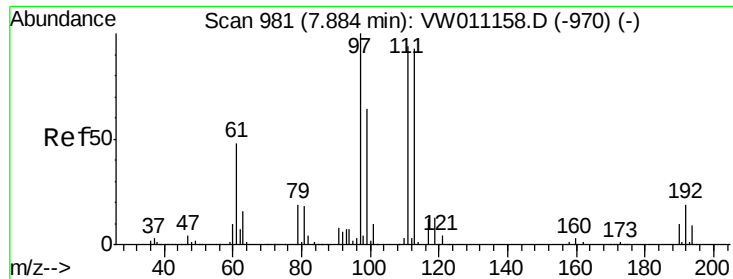
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	340960		
63	24.3	0.0	50.8	
88	16.2	0.0	34.2	





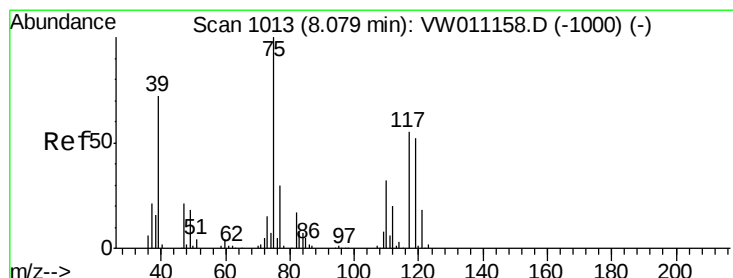
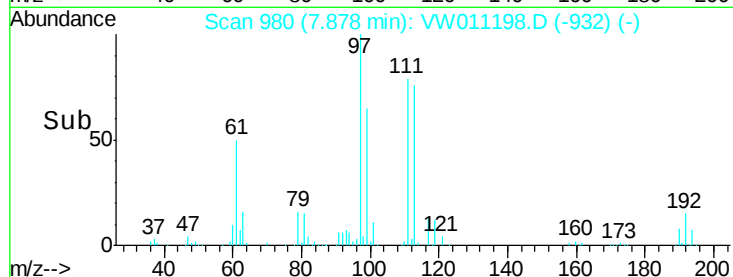
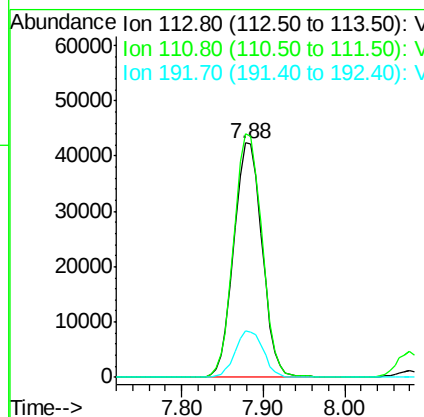
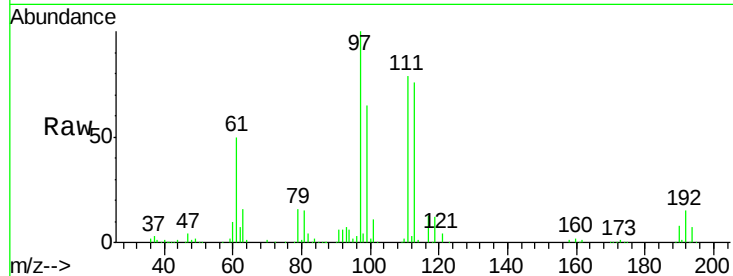
#35
 Dibromofluoromethane
 Concen: 49.885 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101379		
111	103.8	82.4	123.6	
192	19.6	15.8	23.8	

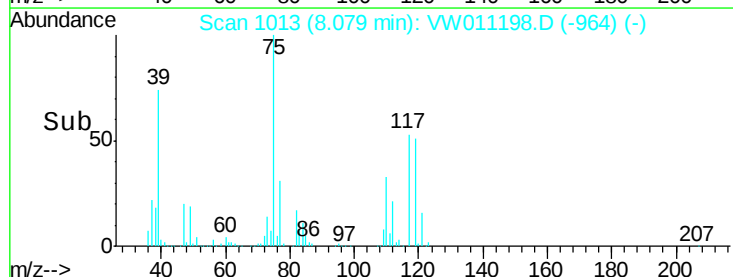
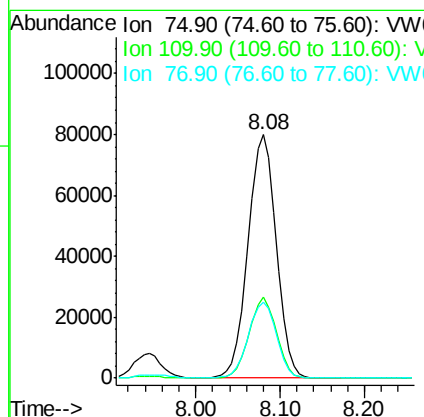
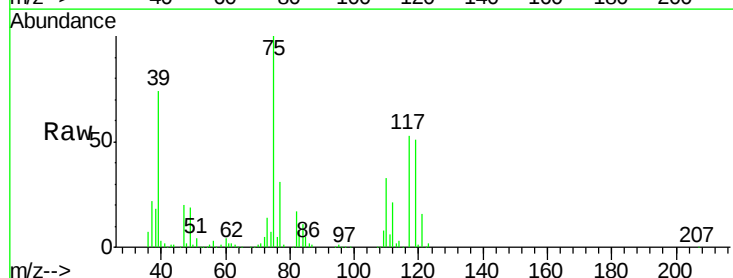
Manual Integrations
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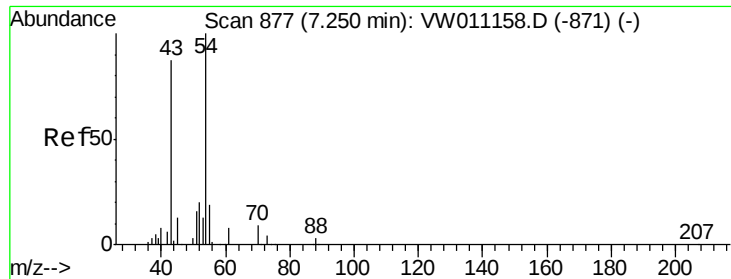
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#36
 1,1-Dichloropropene
 Concen: 49.747 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	180625		
110	32.3	15.9	47.6	
77	31.4	24.6	36.8	





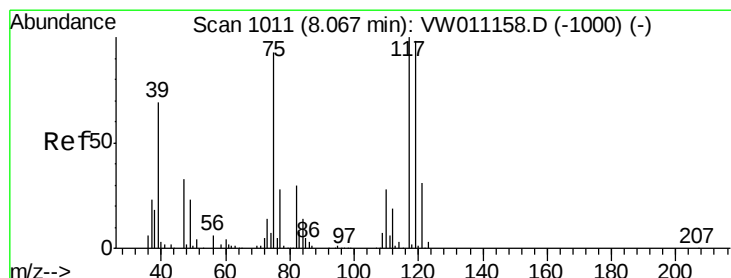
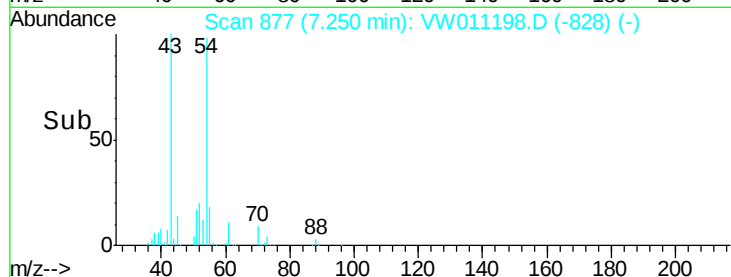
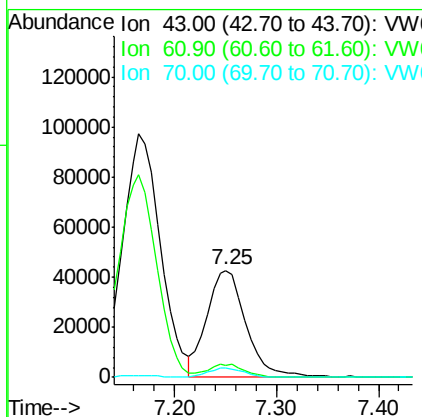
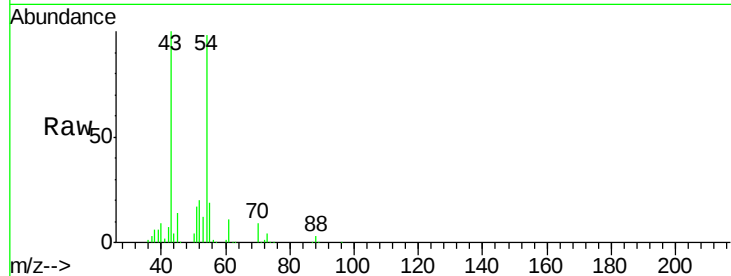
#37
Ethyl Acetate
Concen: 51.447 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.5	9.5	14.3
70	8.5	7.1	10.7

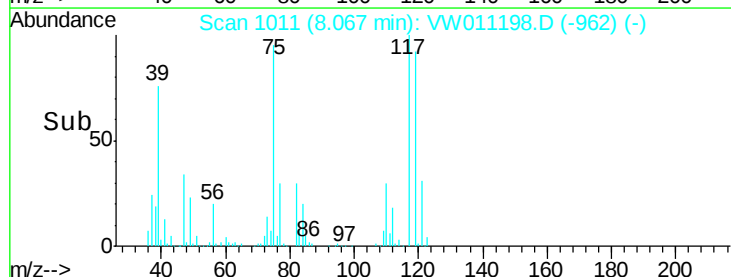
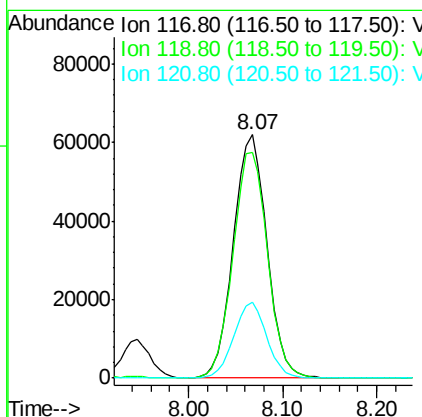
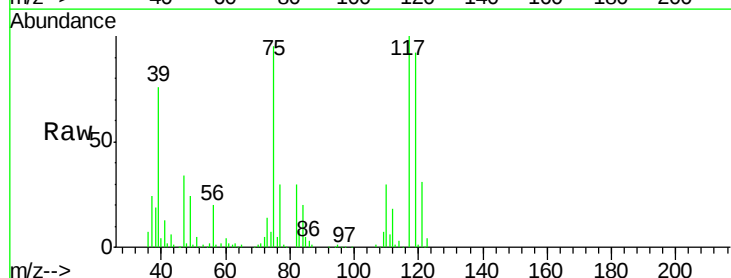
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 50.190 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	78.1	117.1
121	31.0	25.1	37.7





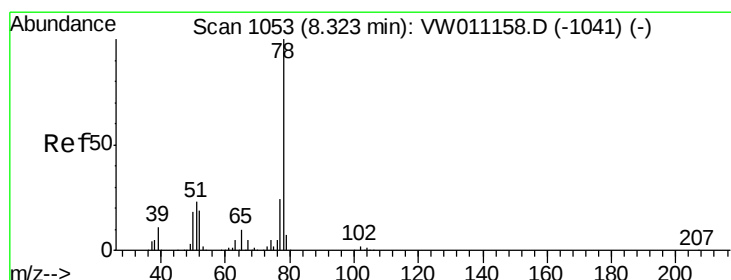
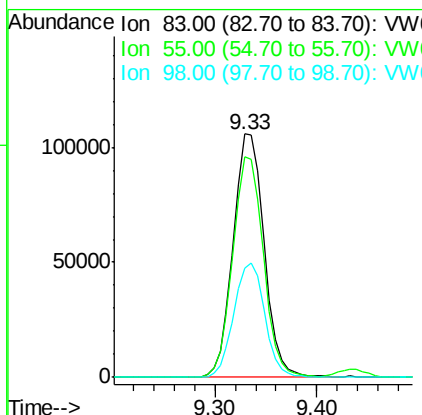
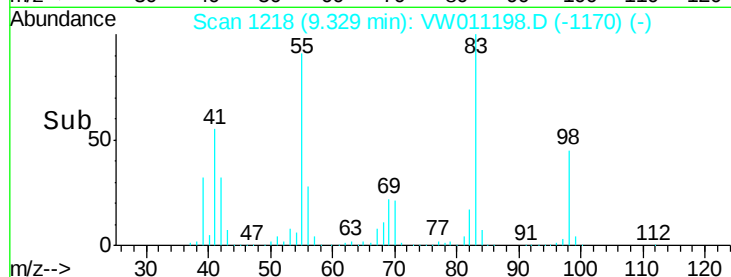
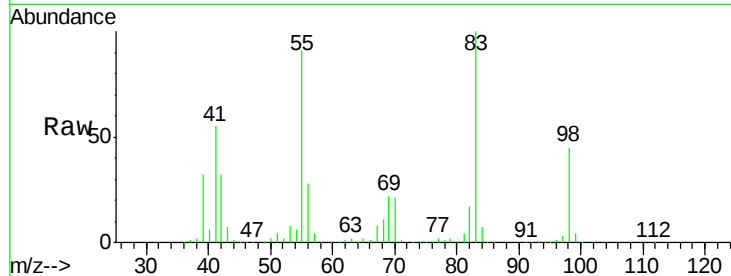
#39
Methvlcvclohexane
Concen: 50.699 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.6	71.2	106.8
98	45.0	37.5	56.3

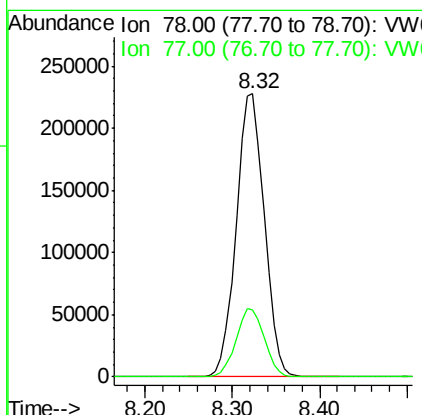
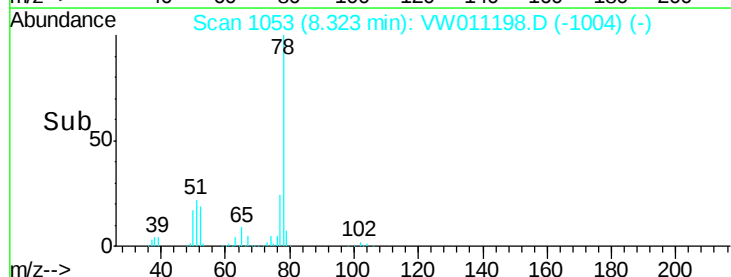
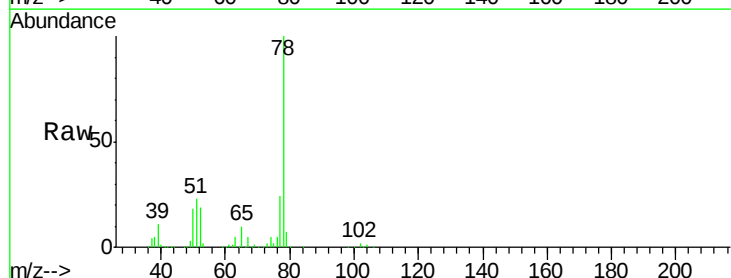
Manual Integrations
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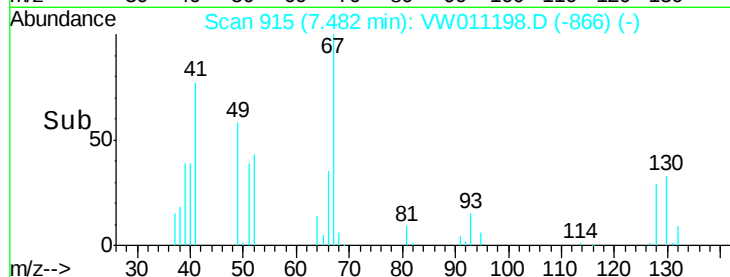
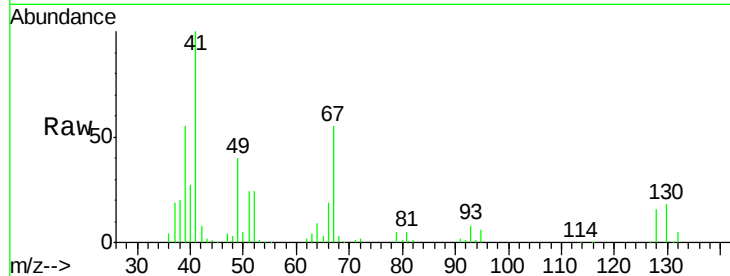
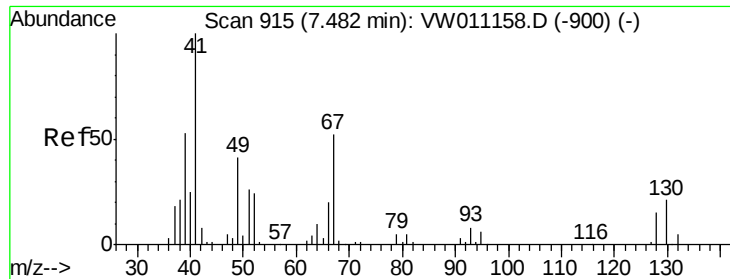
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#40
Benzene
Concen: 50.740 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





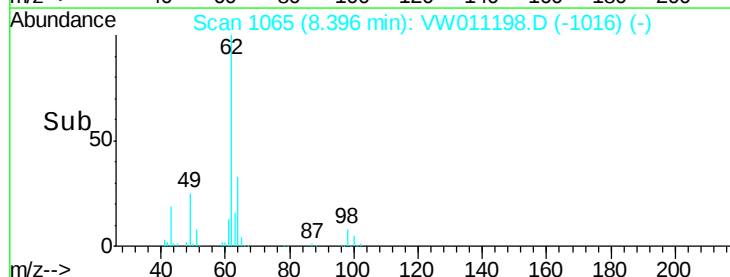
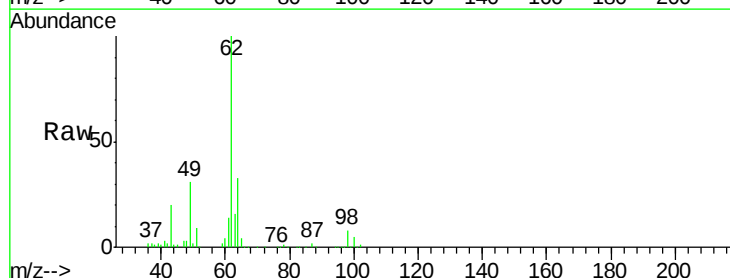
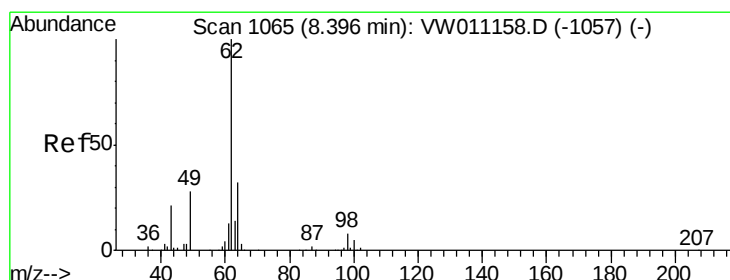
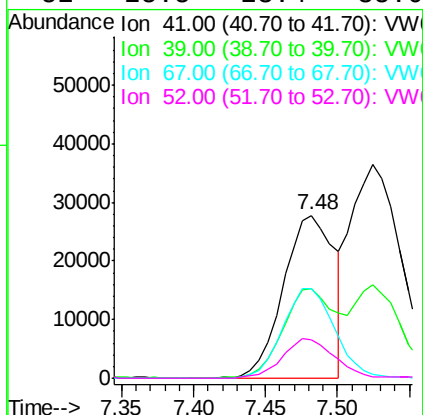
#41
Methacrylonitrile
Concen: 54.729 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tot Ion	41	Resp	68285
Ion Ratio	100	Lower	Upper
41	100		
39	59.5	48.0	72.0
67	56.7	49.7	74.5
52	25.5	23.4	35.0

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

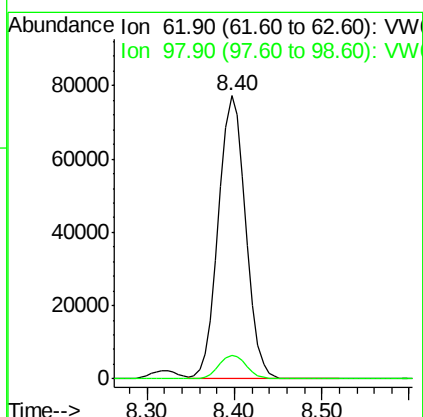
Manual Integrations
APPROVED

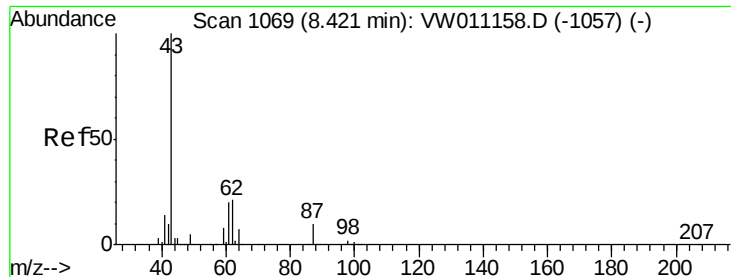
MMDadoda
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#42
1,2-Dichloroethane
Concen: 51.412 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	62	Resp	167353
Ion Ratio	100	Lower	Upper
62	100		
98	8.5	0.0	16.8





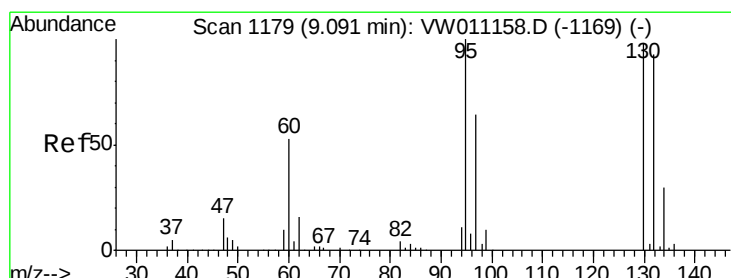
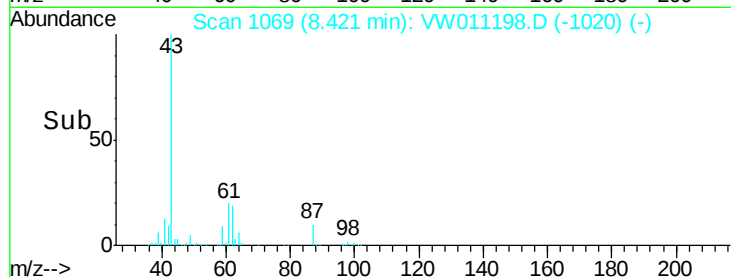
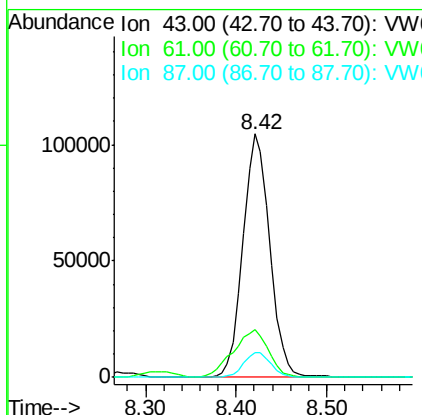
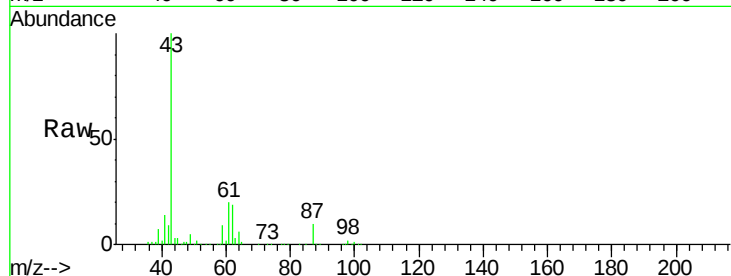
#43
Isopropyl Acetate
Concen: 51.741 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.7	31.1
87	10.5	8.1	12.1

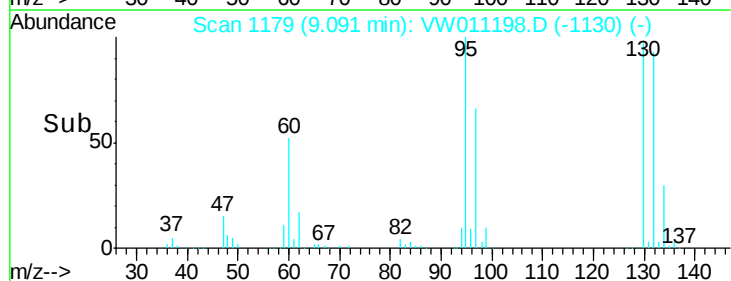
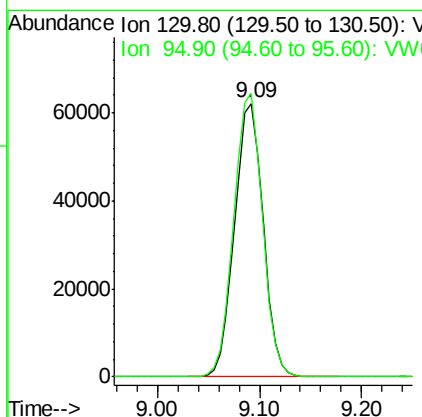
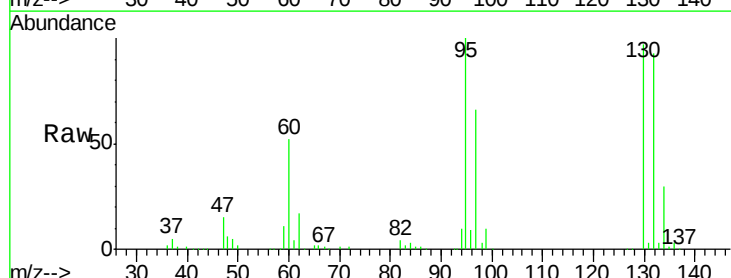
Manual Integrations
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7/11/2019 2:50:05 PM



#44
Trichloroethene
Concen: 49.954 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	203.6





#45

1,2-Dichloropropane

Concen: 51.897 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 141018

Ion Ratio Lower Upper

63 100

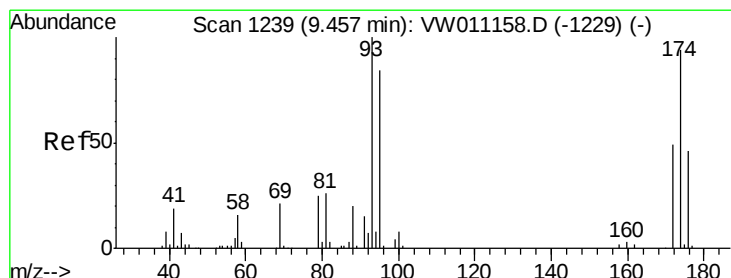
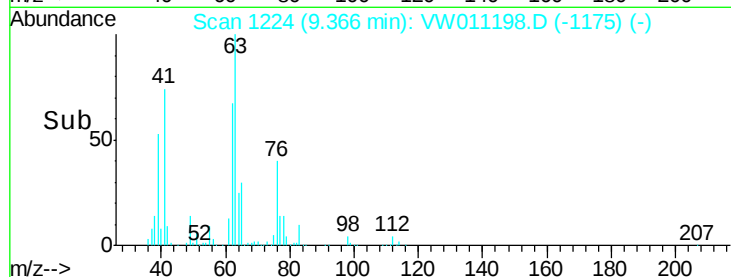
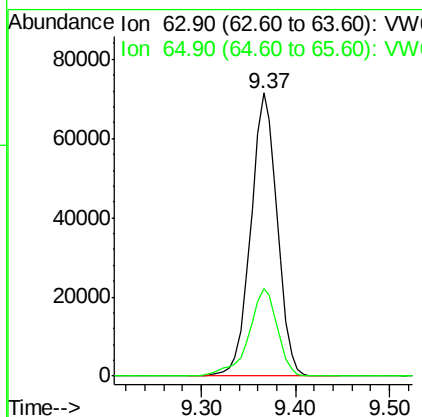
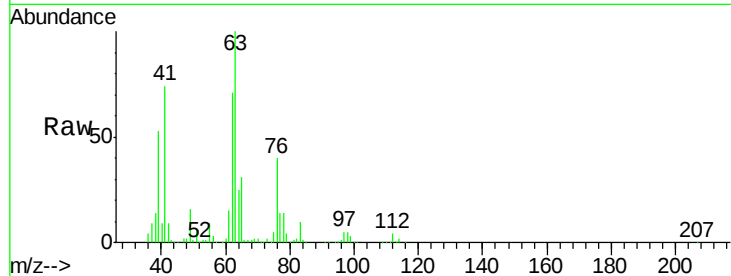
65 30.8 24.4 36.6

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#46

Dibromomethane

Concen: 51.400 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

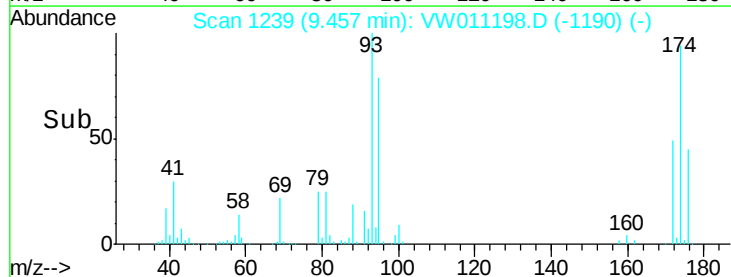
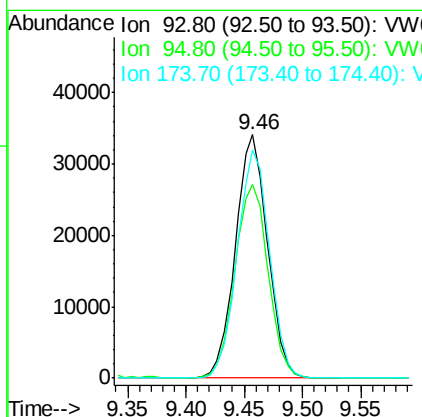
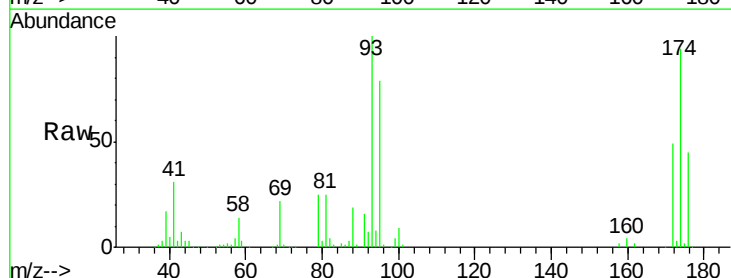
Tgt Ion: 93 Resp: 65609

Ion Ratio Lower Upper

93 100

95 82.2 67.2 100.8

174 94.3 76.3 114.5





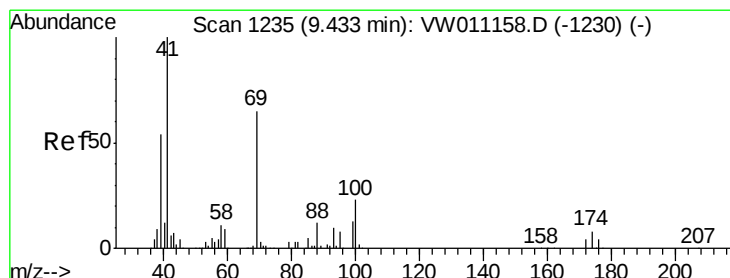
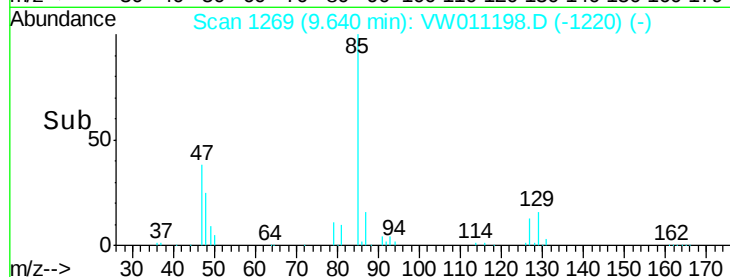
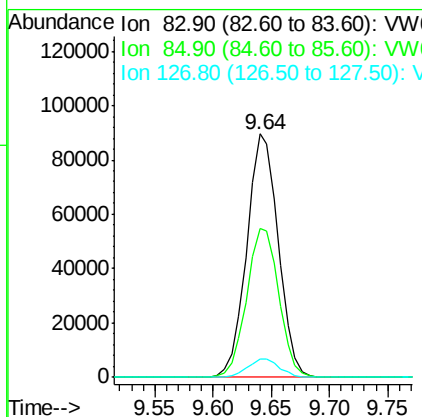
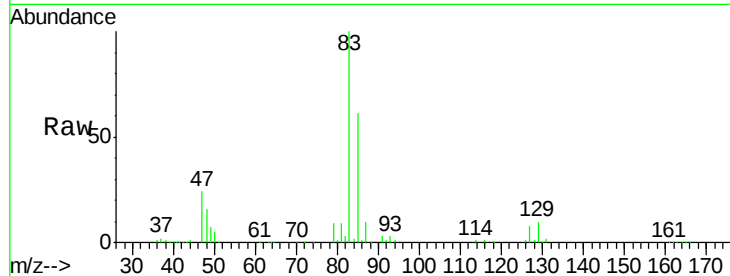
#47
Bromodichloromethane
Concen: 51.871 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	169409
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	51.0	76.4
127	7.7	6.0	9.0

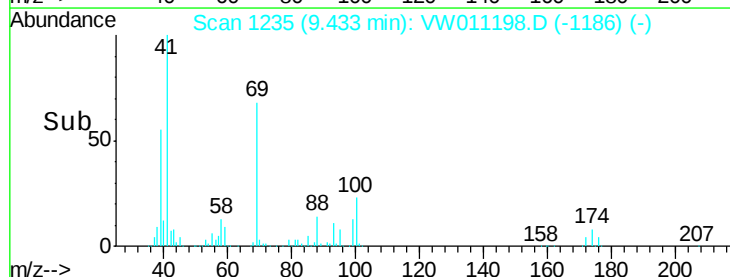
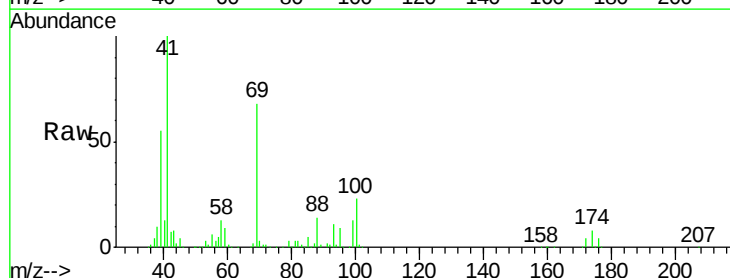
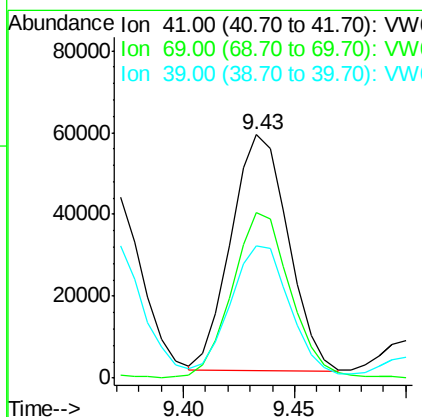
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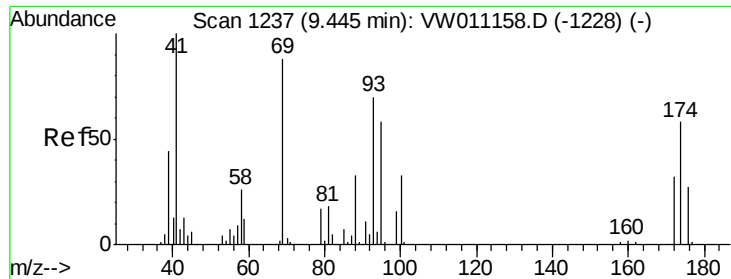
MMDadoda
7/11/2019 2:50:05 PM



#48
Methyl methacrylate
Concen: 51.912 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	41	Resp	102865
Ion Ratio	100	Lower	Upper
41	100		
69	71.4	56.0	84.0
39	55.3	43.5	65.3





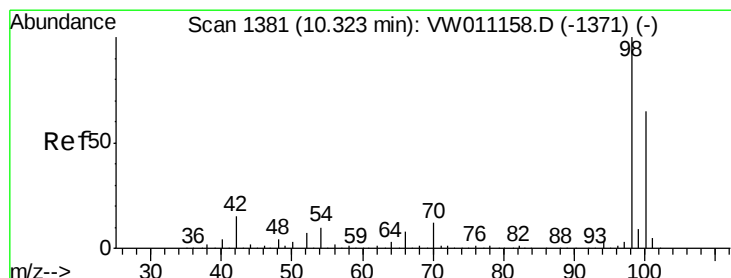
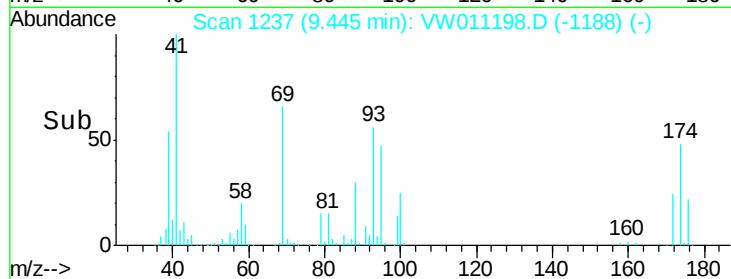
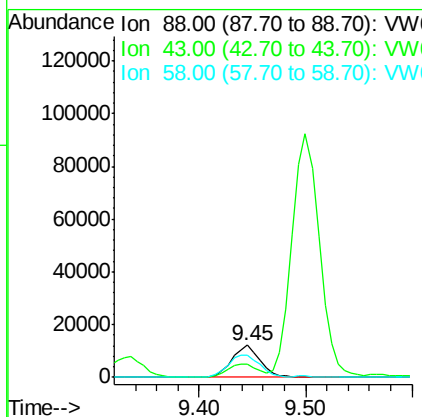
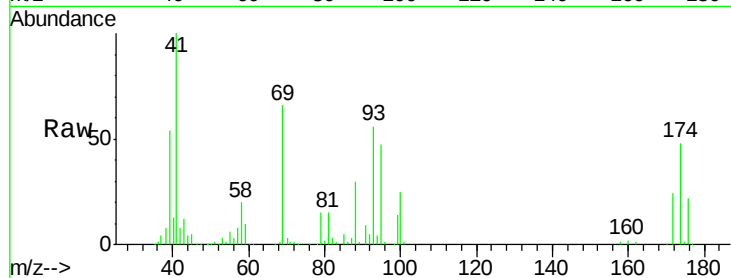
#49
 1,4-Dioxane
 Concen: 1064.437 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	22679
Ion	Ratio	Lower	Upper
88	100		
43	42.6	33.4	50.0
58	79.0	64.5	96.7

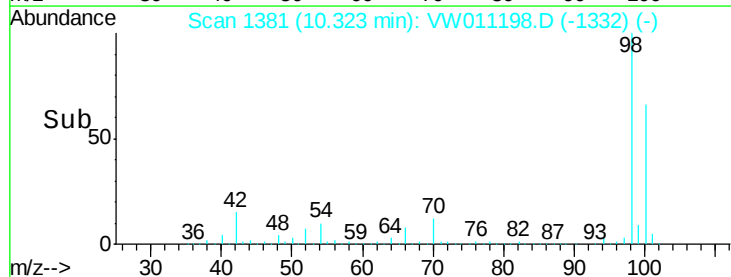
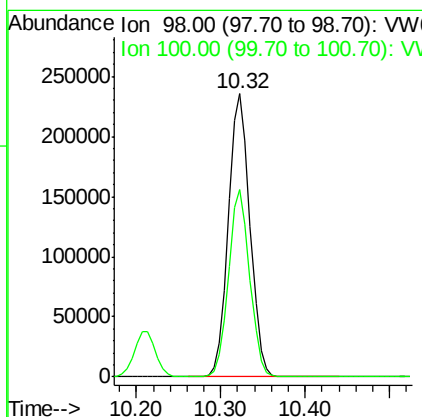
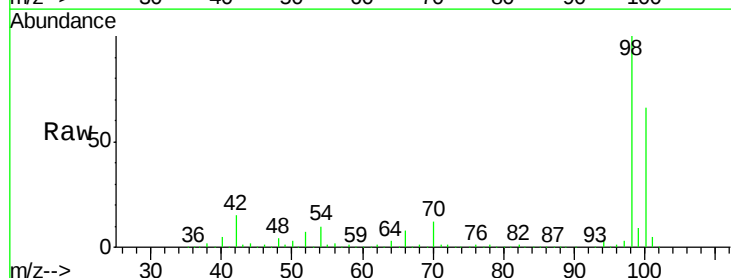
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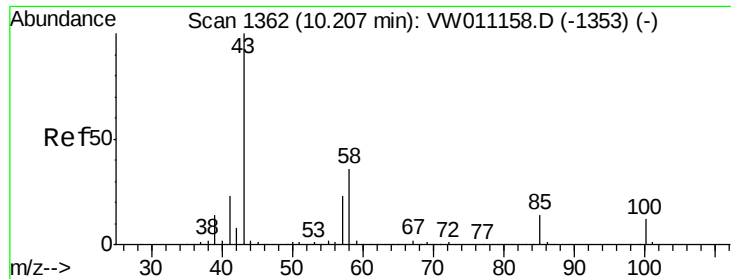
MMDadoda
 7/11/2019 2:50:05 PM



#50
 Toluene-d8
 Concen: 49.950 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	98	Resp	410329
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 261.700 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 563051

Ion Ratio Lower Upper

43 100

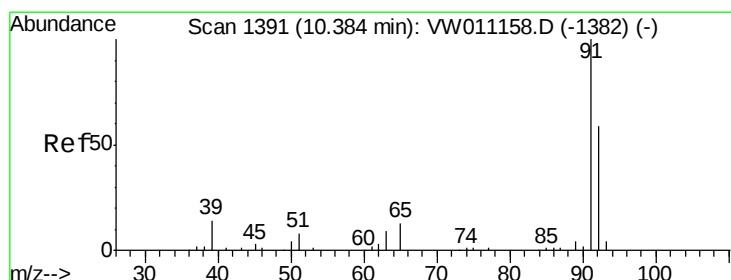
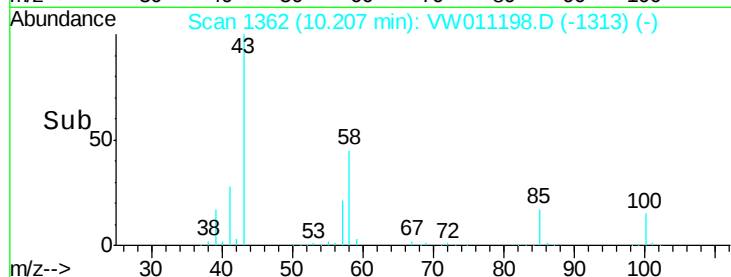
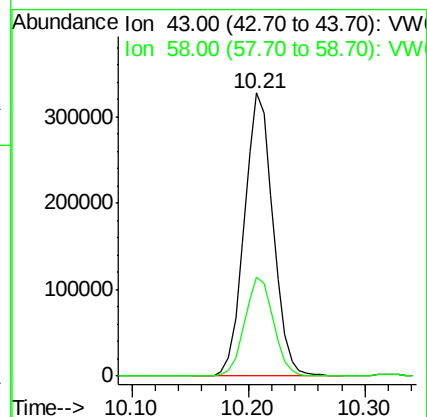
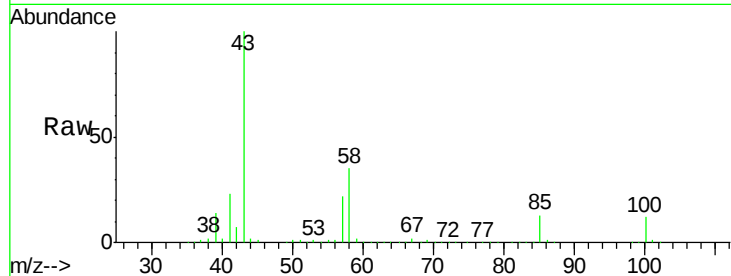
58 35.1 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 51.400 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW011198.D

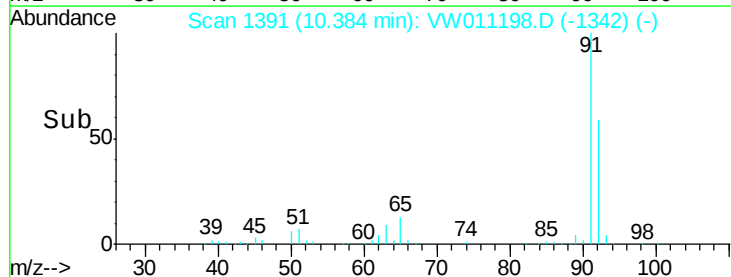
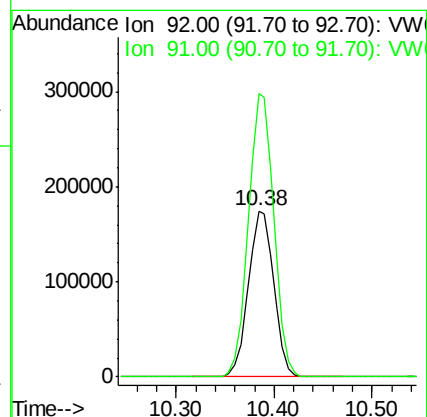
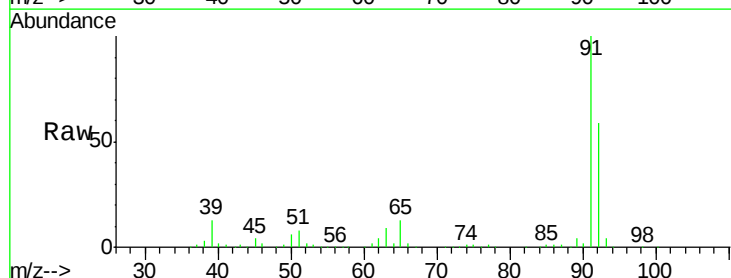
Acq: 10 Jul 2019 18:42

Tgt Ion: 92 Resp: 312874

Ion Ratio Lower Upper

92 100

91 171.1 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 50.908 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 176980

Ion Ratio Lower Upper

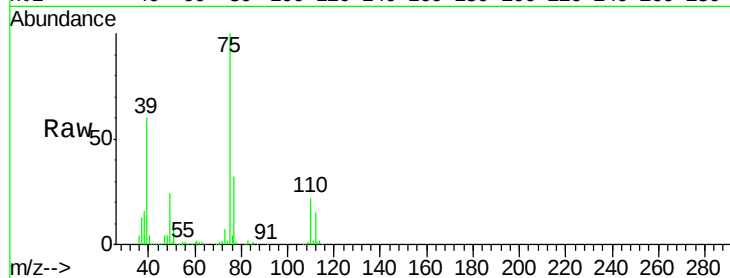
75 100

77 31.9 25.4 38.0

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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

120000

100000

80000

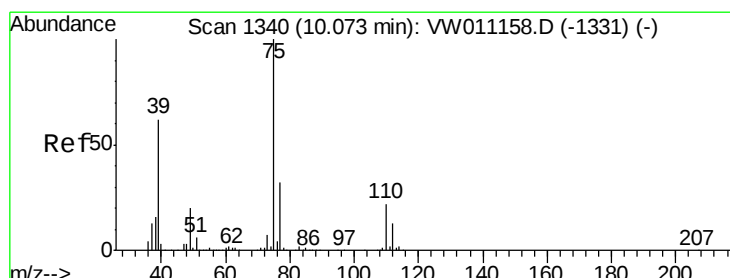
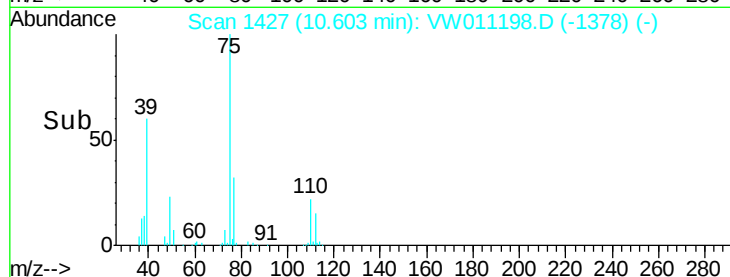
60000

40000

20000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 50.753 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

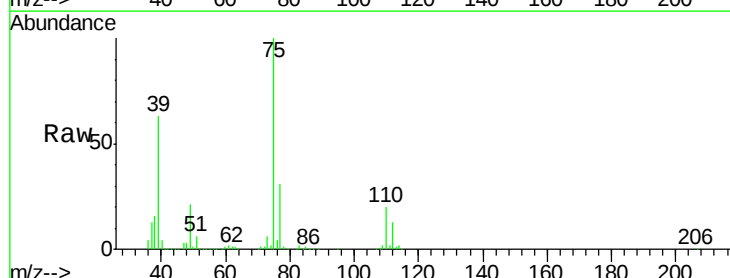
Tgt Ion: 75 Resp: 207678

Ion Ratio Lower Upper

75 100

77 30.8 25.7 38.5

39 63.4 49.8 74.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

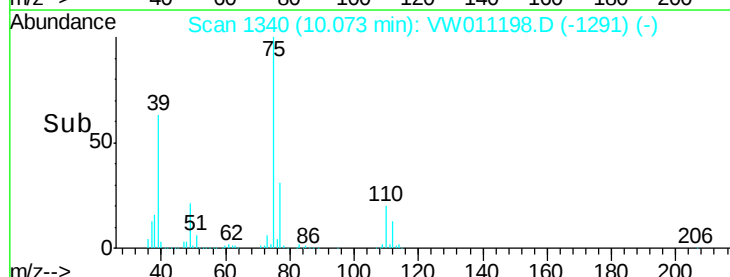
150000

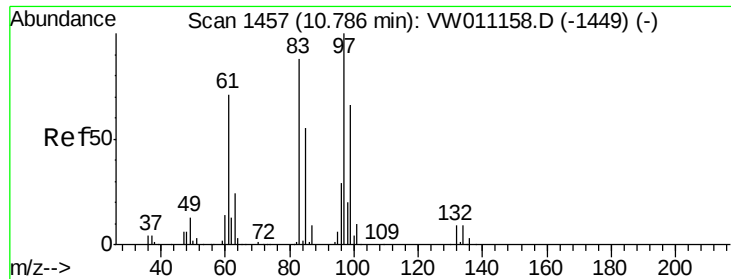
100000

50000

0

Time--> 10.00 10.10





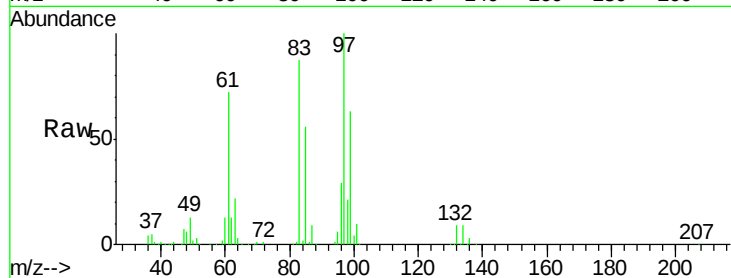
#55
1,1,2-Trichloroethane
Concen: 52.217 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	97	Resp:	94556
Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.2	105.4
85	56.3	44.2	66.2
99	63.0	52.6	79.0

Manual Integrations
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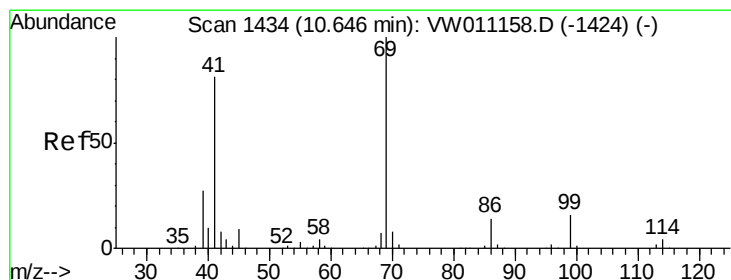
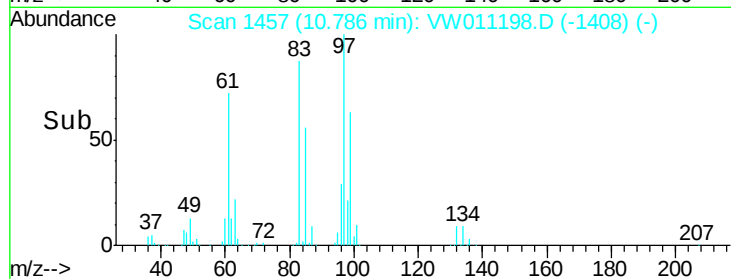
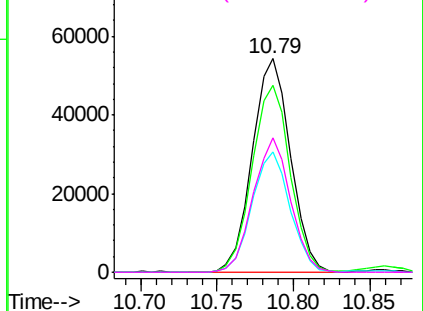
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

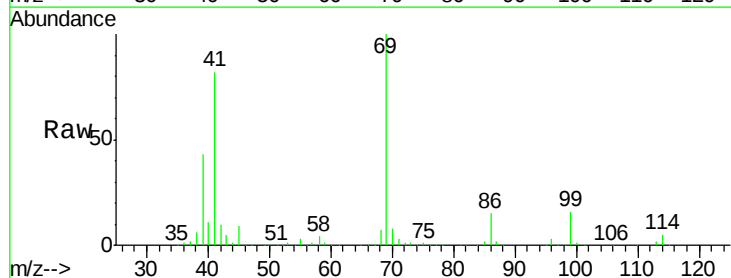
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
Ethyl methacrylate
Concen: 52.770 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion:	69	Resp:	145485
Ion	Ratio	Lower	Upper
69	100		
41	82.7	66.5	99.7
39	39.7	32.5	48.7

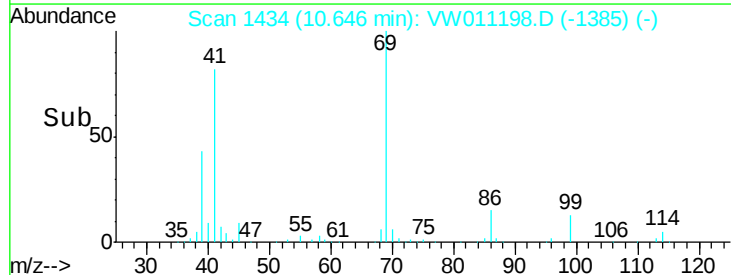
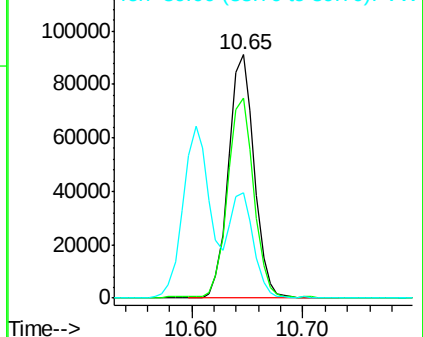


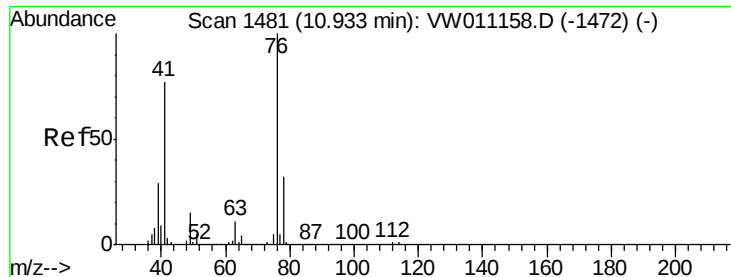
Abundance

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





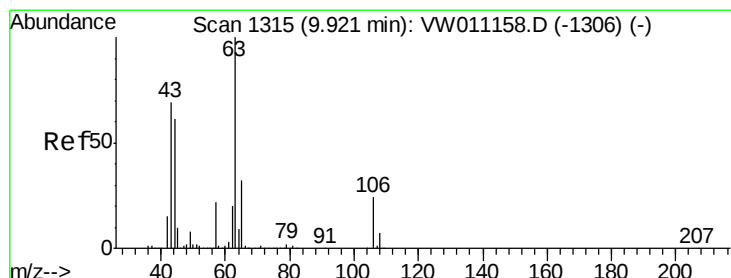
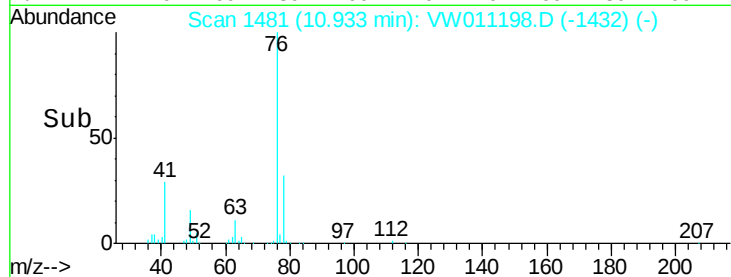
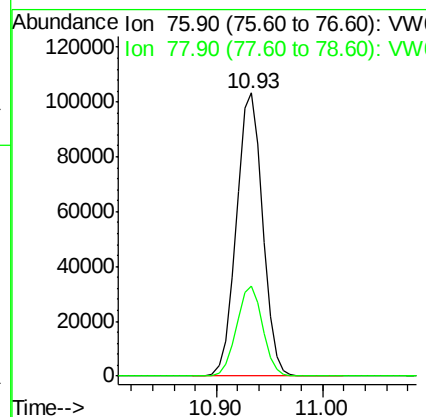
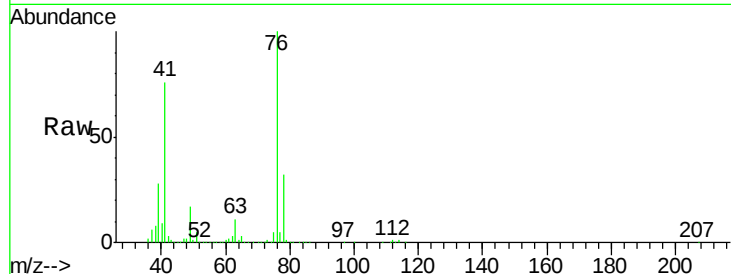
#57
 1,3-Dichloropropane
 Concen: 52.206 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 178768
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2

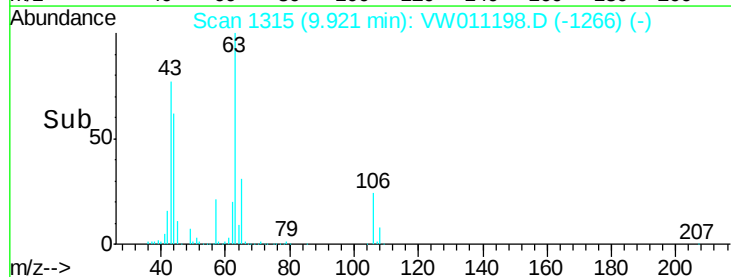
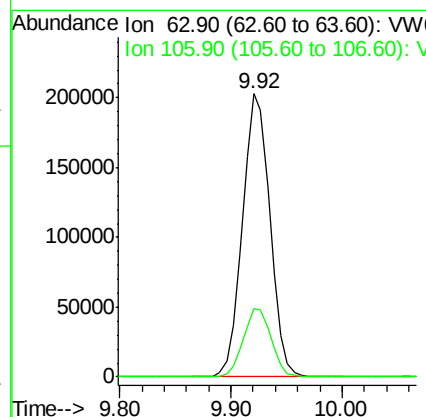
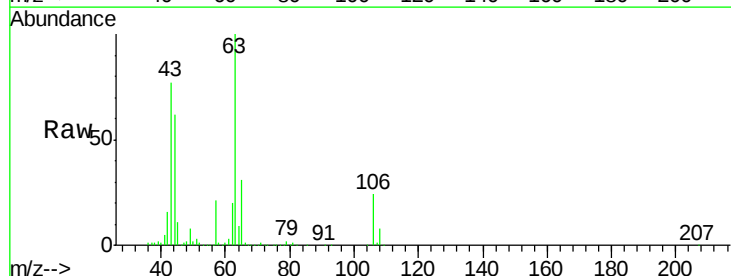
Manual Integrations
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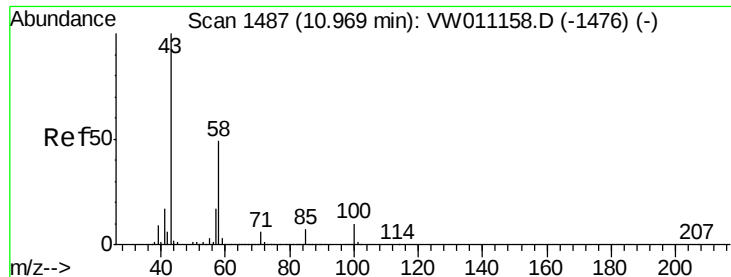
MMDadoda
 7/11/2019 2:50:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.752 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion: 63 Resp: 346055
 Ion Ratio Lower Upper
 63 100
 106 24.4 19.4 29.0





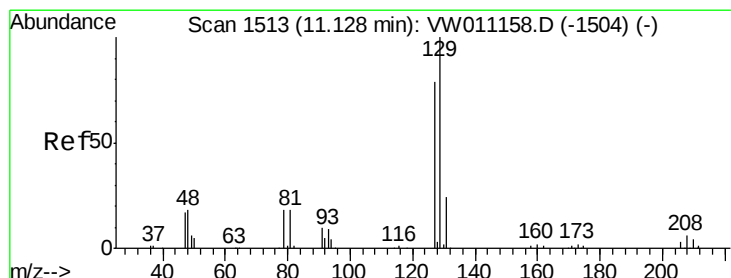
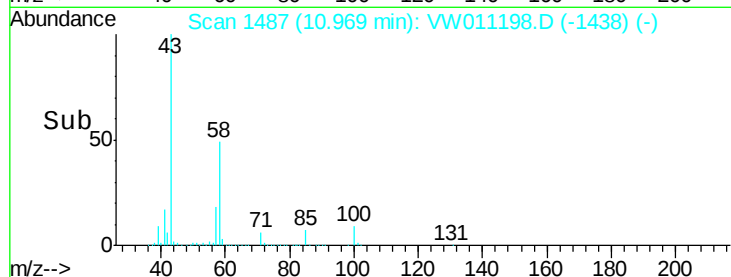
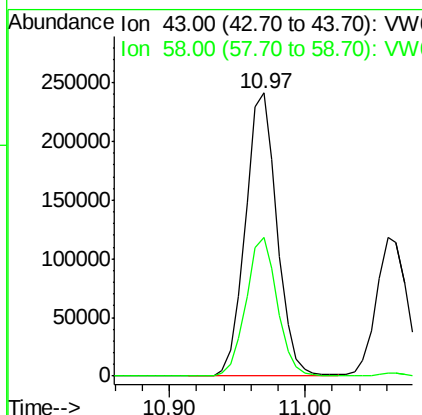
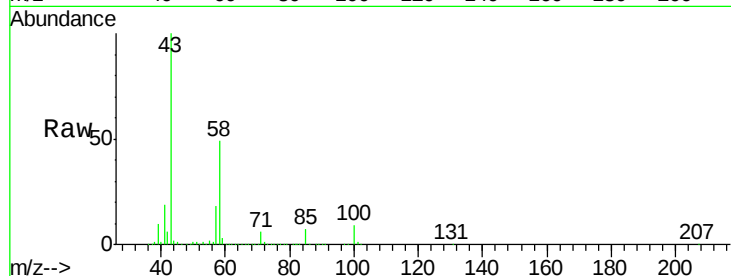
#59
2-Hexanone
Concen: 263.253 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	43	Resp	392794
Ion Ratio	43	100	
Lower	58	48.5	24.4
Upper			73.4

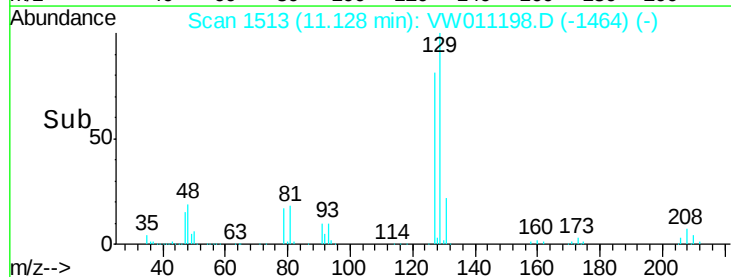
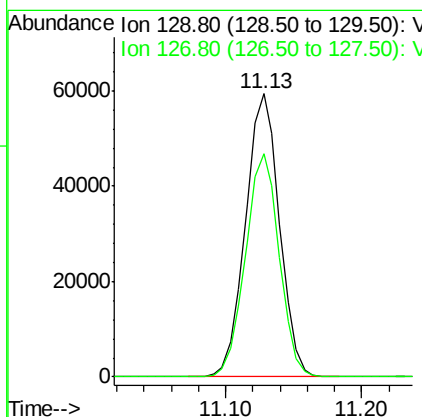
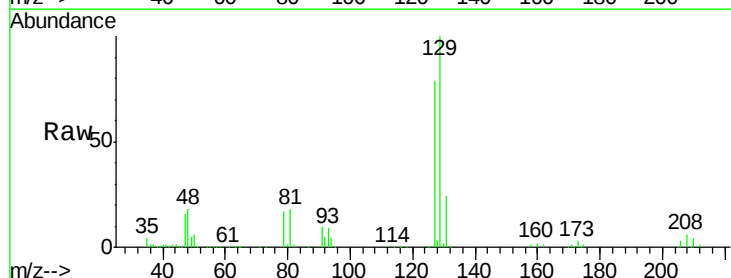
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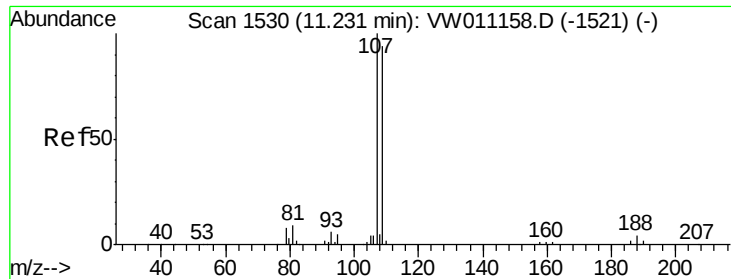
MMDadoda
7/11/2019 2:50:05 PM



#60
Dibromochloromethane
Concen: 52.297 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	129	Resp	103847
Ion Ratio	129	100	
Lower	127	78.5	39.1
Upper			117.3





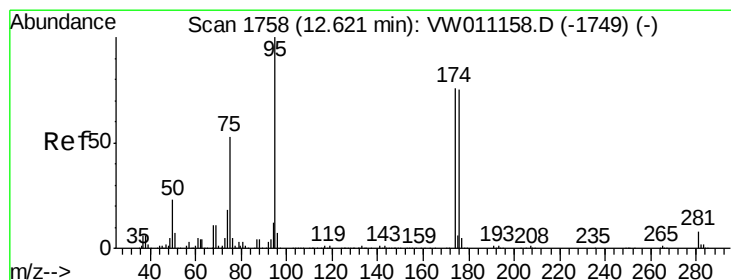
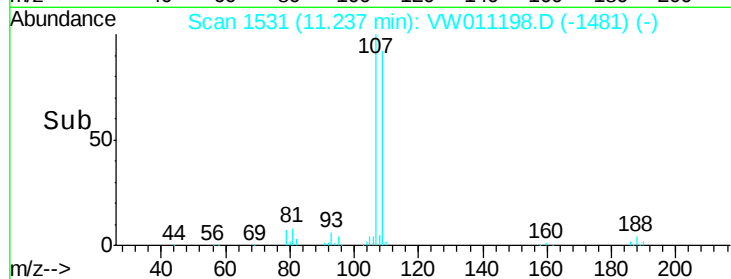
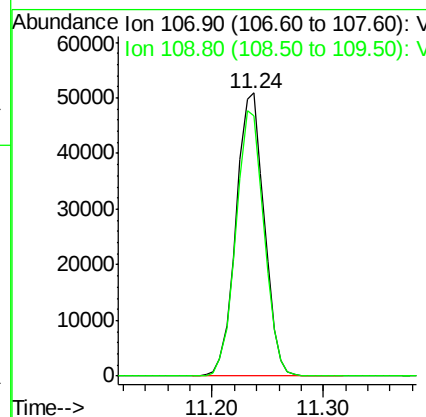
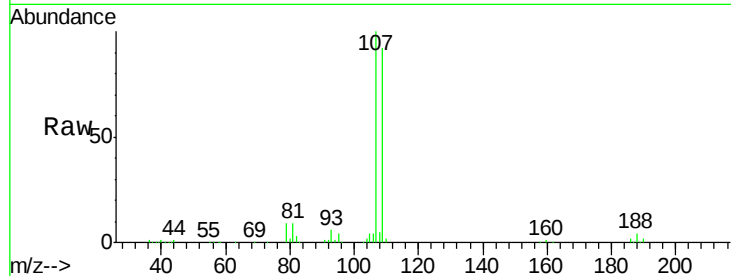
#61
 1,2-Dibromoethane
 Concen: 51.936 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.2	112.8

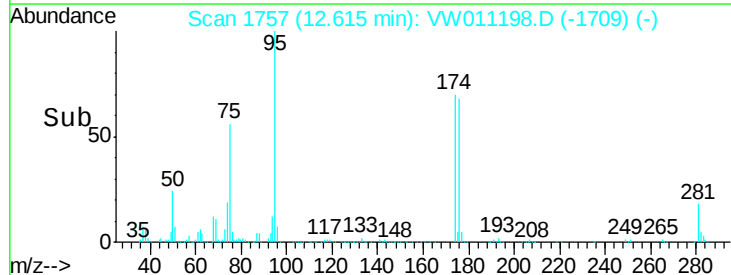
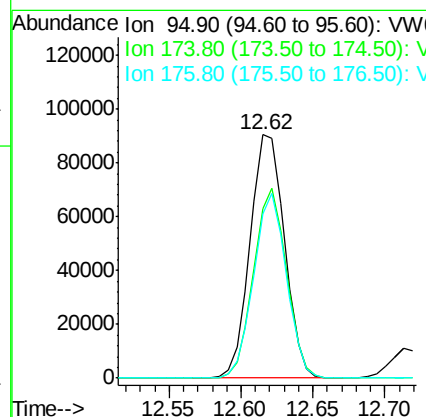
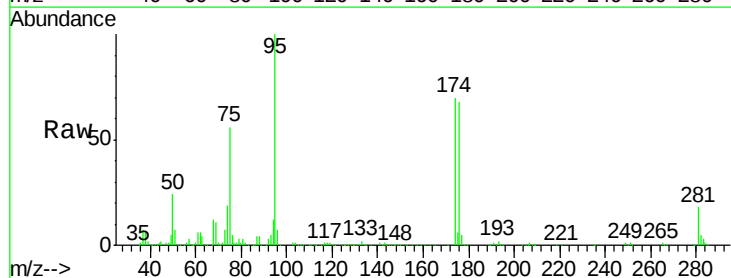
Manual Integrations
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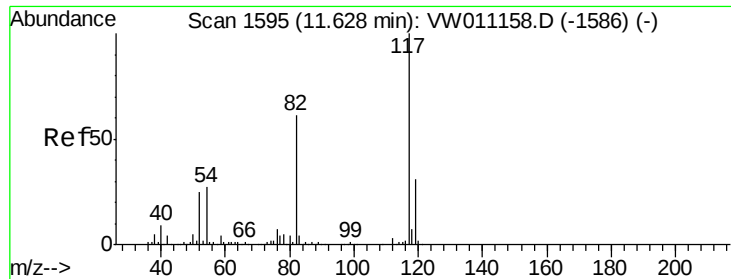
MMDadoda
 7/11/2019 2:50:05 PM



#62
 4-Bromofluorobenzene
 Concen: 49.620 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	147.6
176	71.9	0.0	144.6





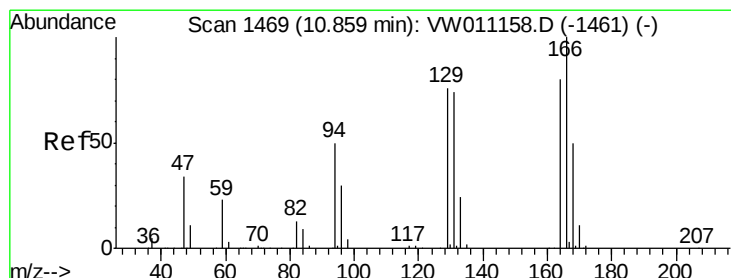
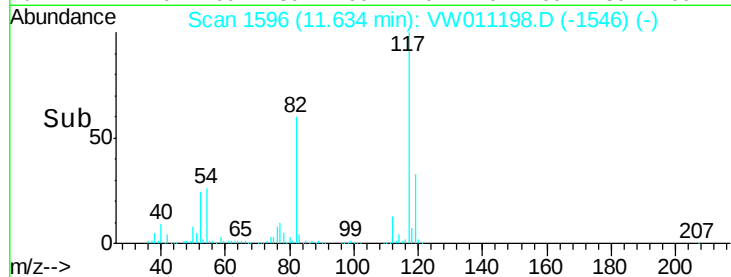
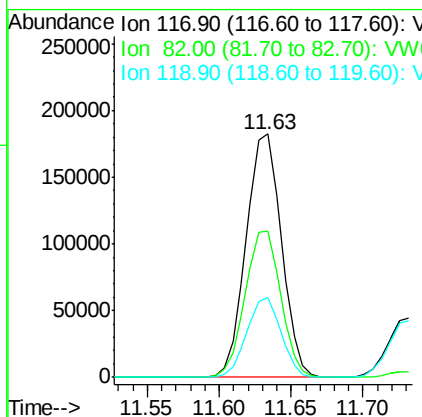
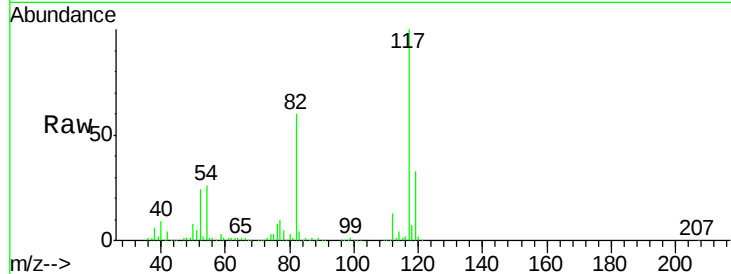
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	309631		
82	60.3	48.9	73.3	
119	32.5	25.0	37.6	

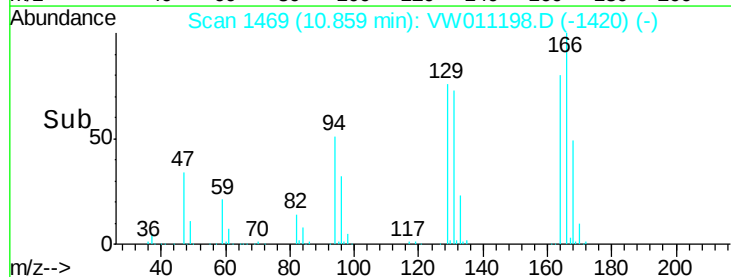
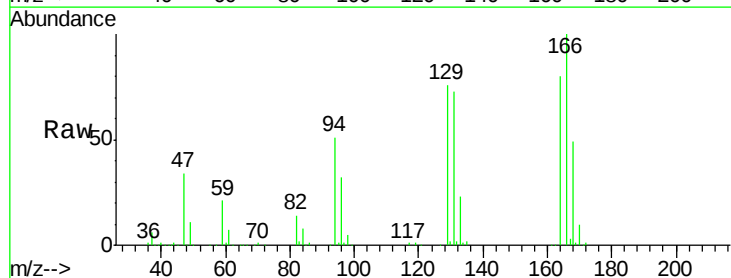
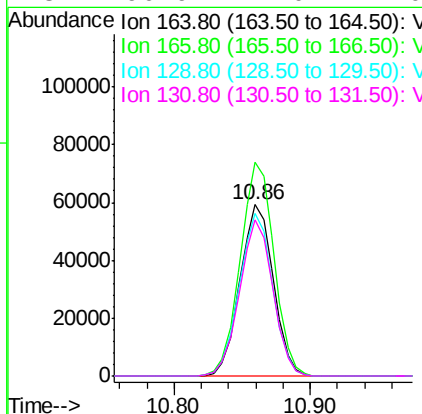
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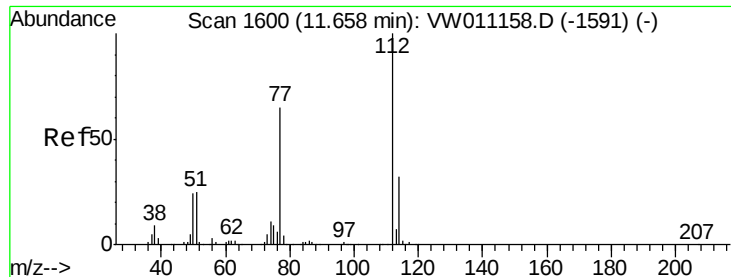
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#64
Tetrachloroethene
Concen: 48.652 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	101649		
166	124.7	99.7	149.5	
129	95.3	76.2	114.2	
131	90.9	74.0	111.0	





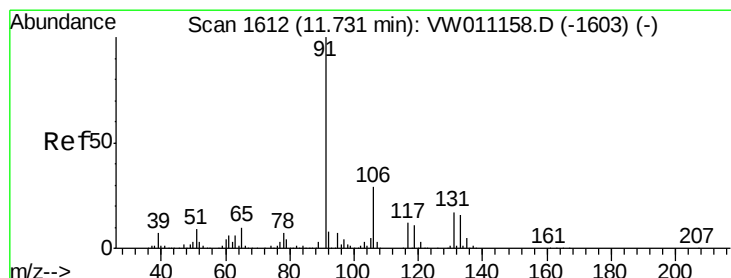
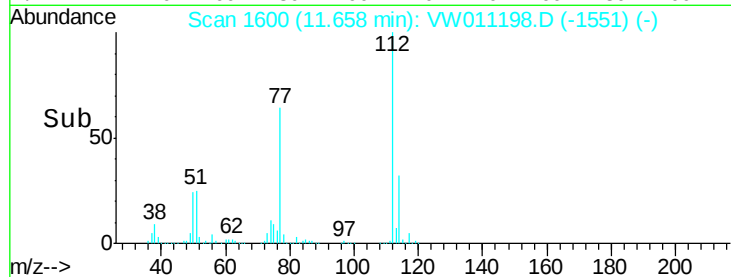
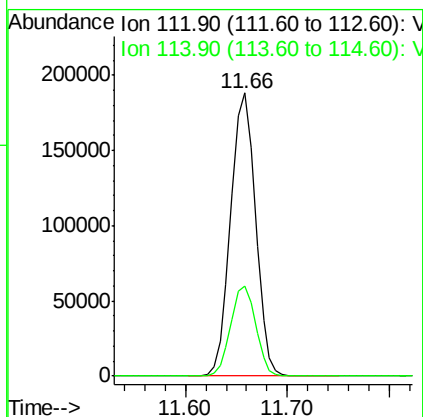
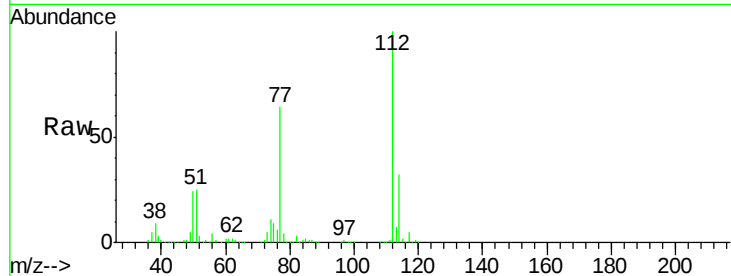
#65
Chlorobenzene
Concen: 50.336 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	316871		
114	31.7	25.5	38.3	

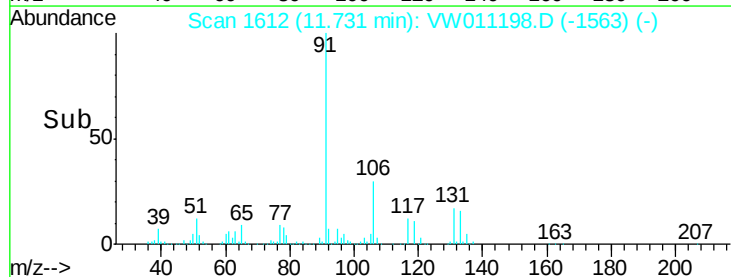
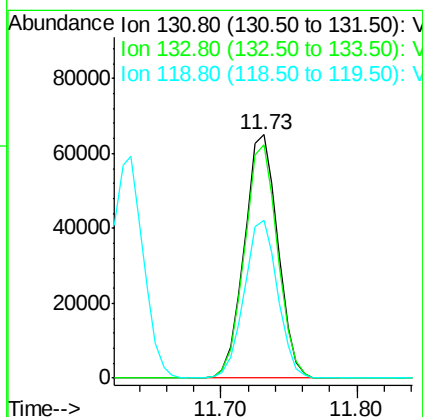
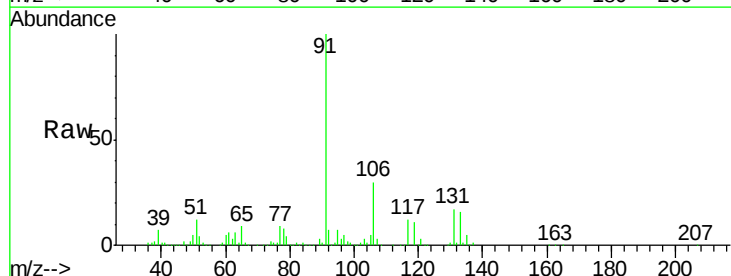
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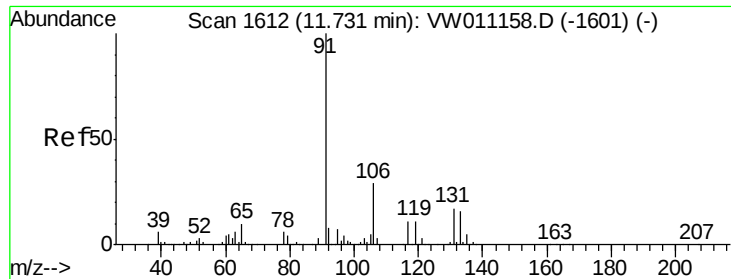
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.710 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	112399		
133	94.8	47.9	143.8	
119	64.4	33.1	99.2	





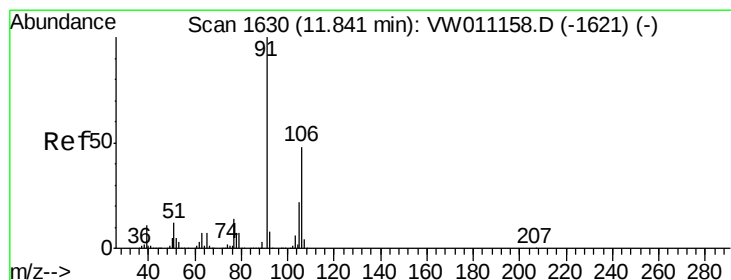
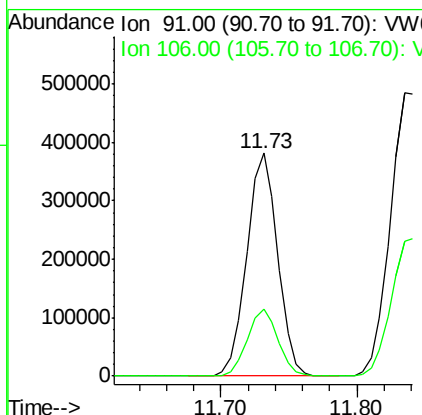
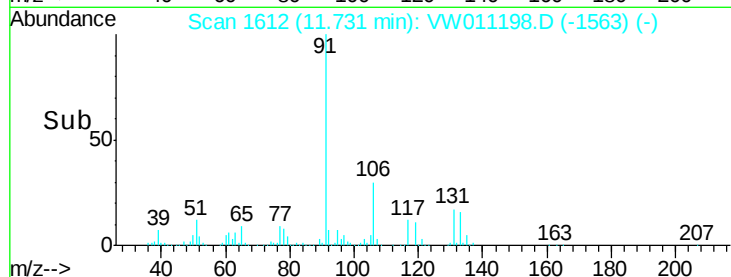
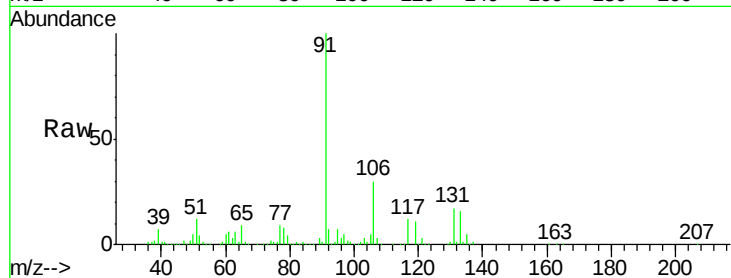
#67
Ethyl Benzene
Concen: 50.387 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 607227
Ion Ratio Lower Upper
91 100
106 29.9 23.5 35.3

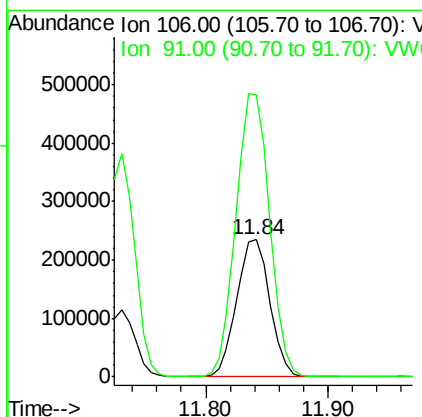
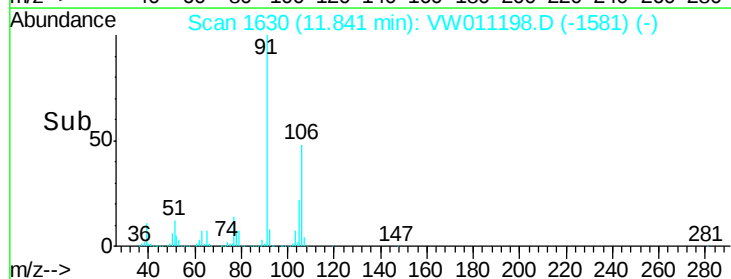
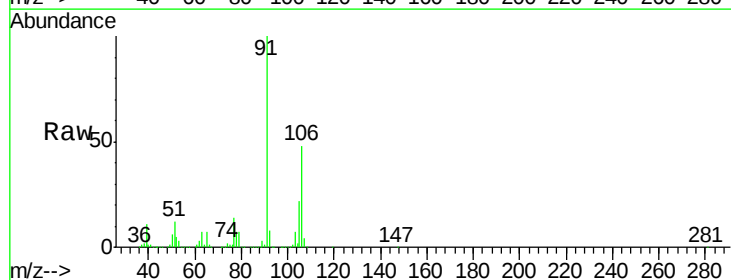
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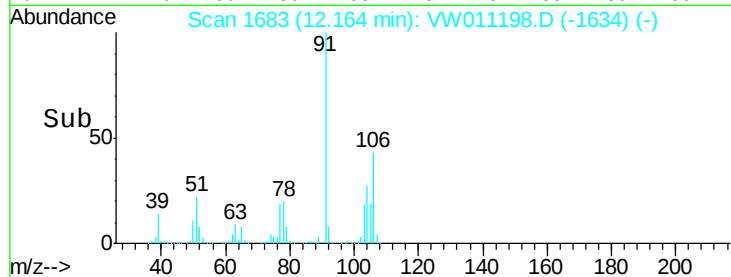
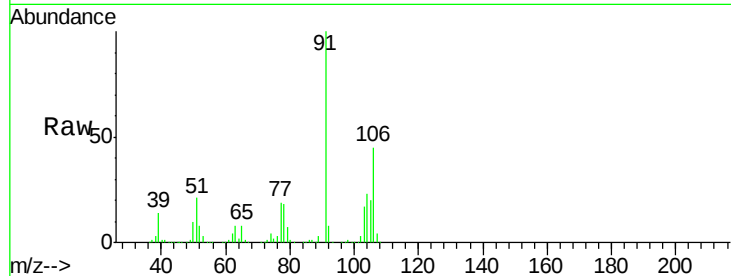
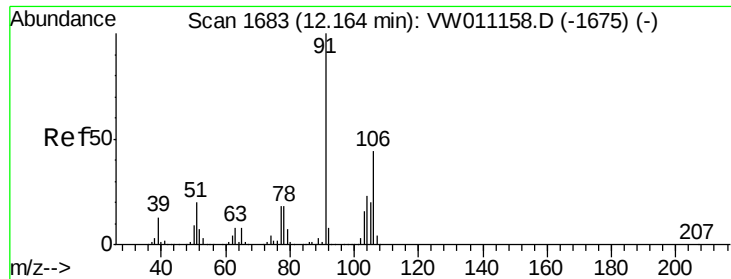
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#68
m/p-Xylenes
Concen: 101.518 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion: 106 Resp: 442682
Ion Ratio Lower Upper
106 100
91 208.9 167.7 251.5





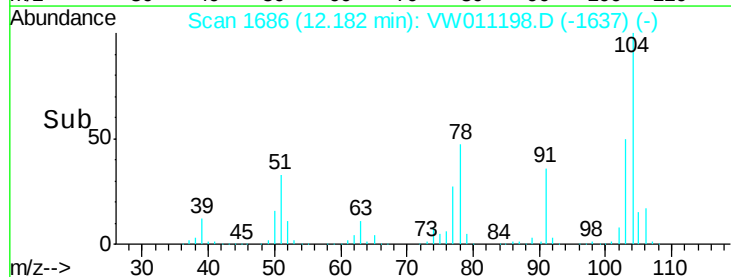
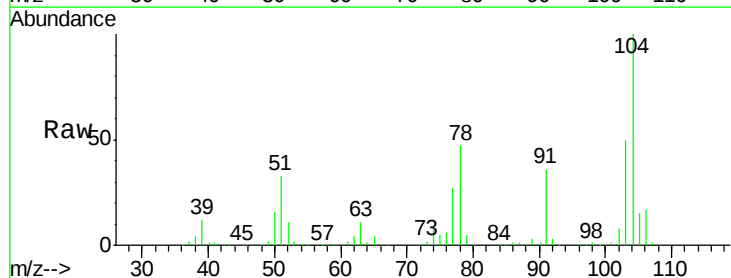
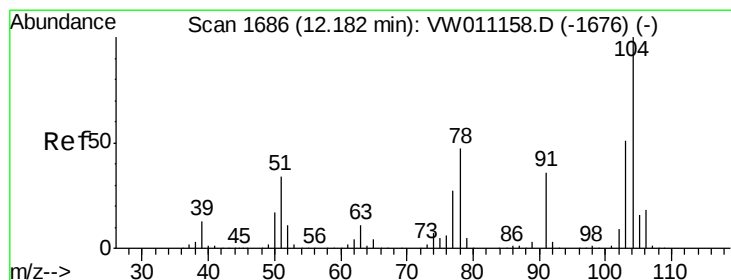
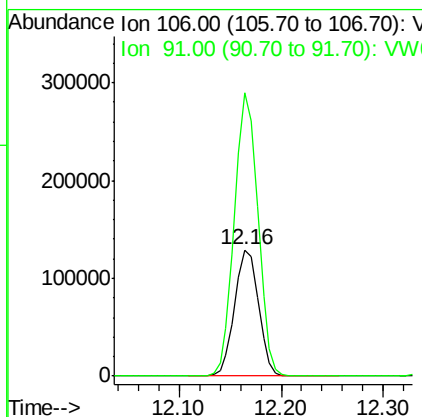
#69
o-Xylene
Concen: 50.945 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tot Ion:106 Resp: 209382
Ion Ratio Lower Upper
106 100
91 220.5 110.7 332.1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

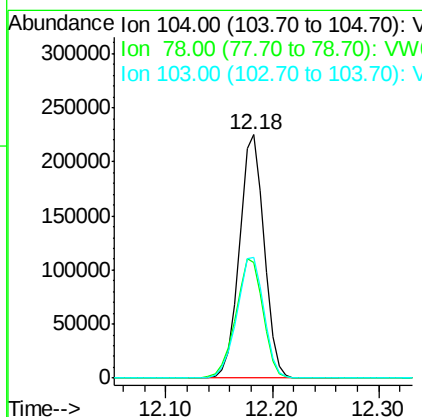
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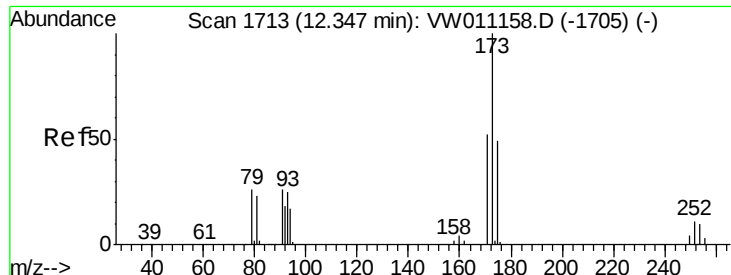
MMDadoda
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#70
Styrene
Concen: 51.711 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion:104 Resp: 366788
Ion Ratio Lower Upper
104 100
78 54.1 43.1 64.7
103 54.5 44.1 66.1





#71

Bromoform

Concen: 49.022 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 57772

Ion Ratio Lower Upper

173 100

175 48.5 24.8 74.3

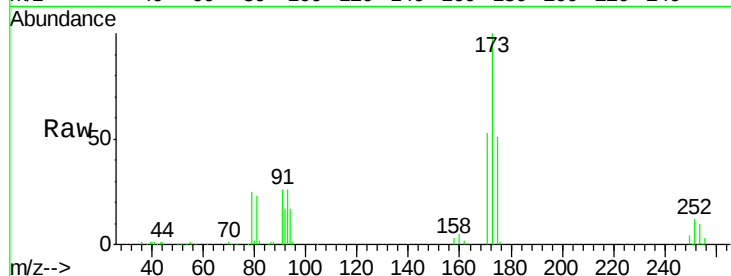
254 0.1 0.0 0.0#

Manual Integrations

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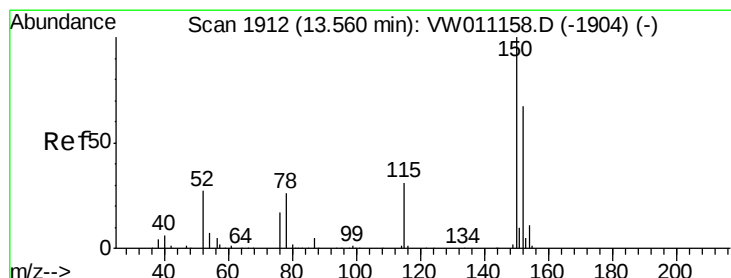
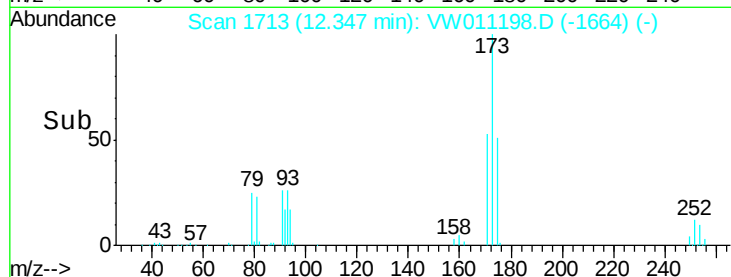
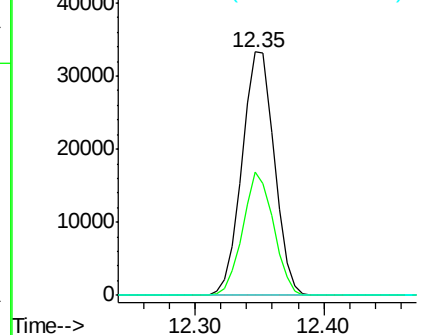
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

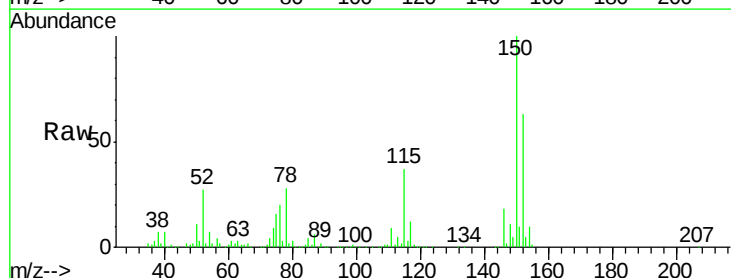
Tgt Ion:152 Resp: 153044

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.3

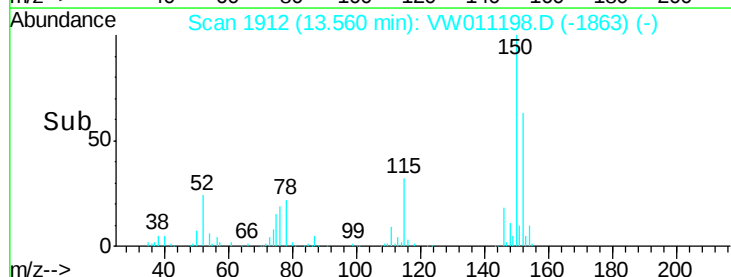
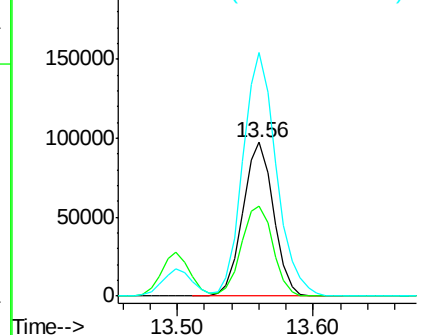
150 173.1 0.0 346.0

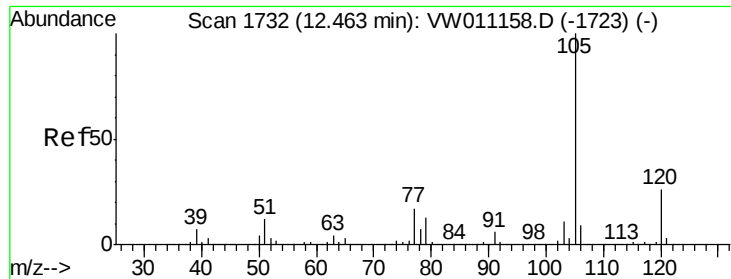


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.999 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 572024

Ion Ratio Lower Upper

105 100

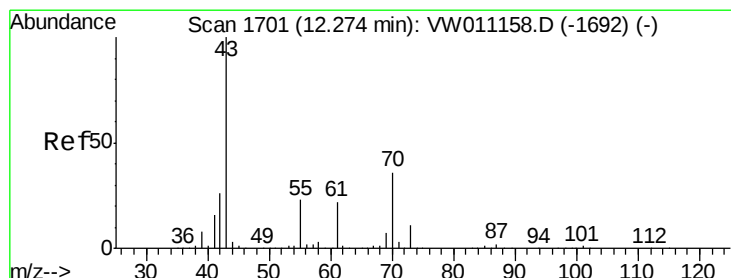
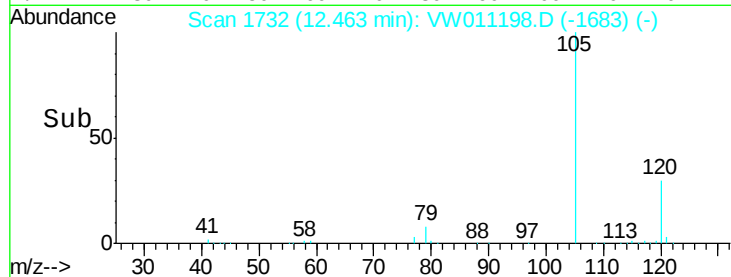
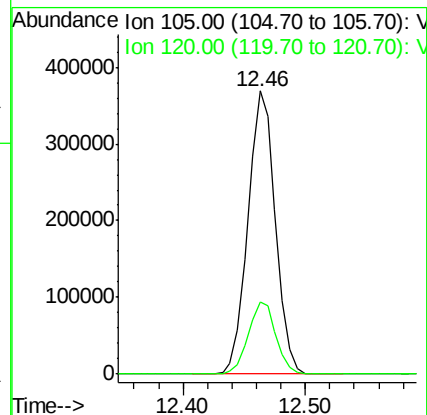
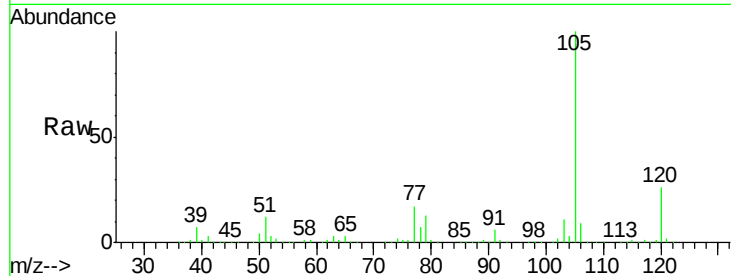
120 25.7 12.8 38.3

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#74

N-ethyl acetate

Concen: 51.407 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Tgt Ion: 43 Resp: 204829

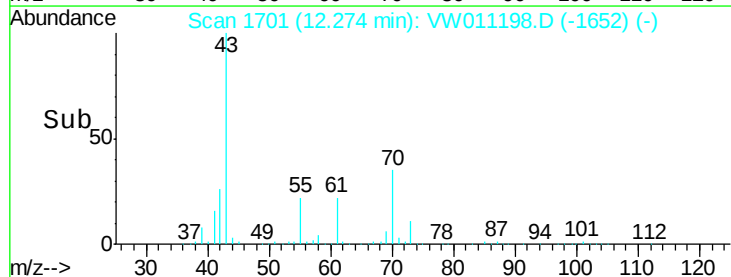
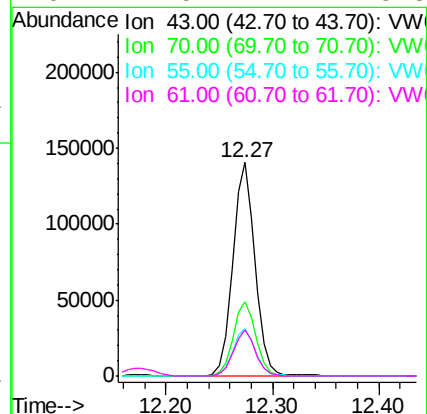
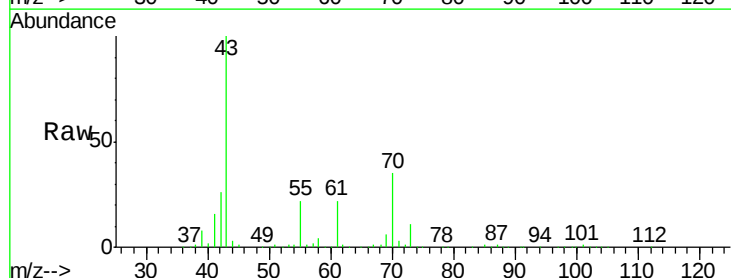
Ion Ratio Lower Upper

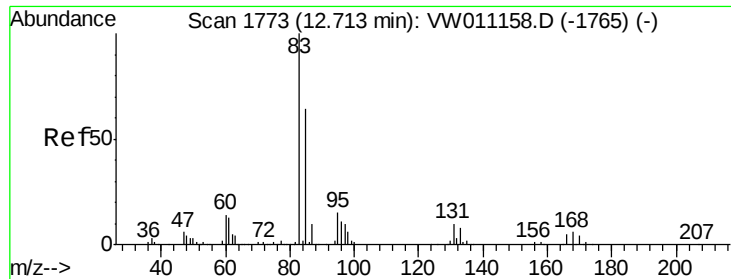
43 100

70 35.7 28.5 42.7

55 22.7 18.1 27.1

61 21.5 17.2 25.8





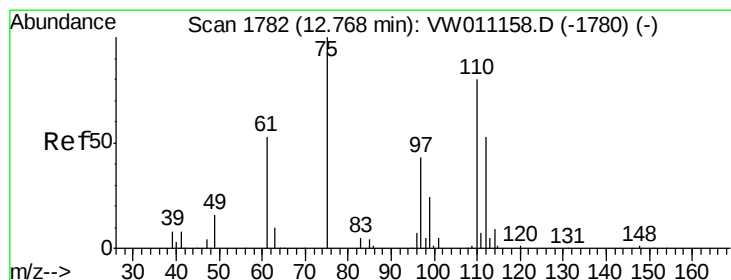
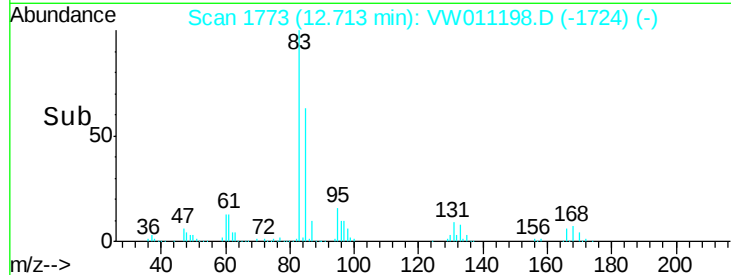
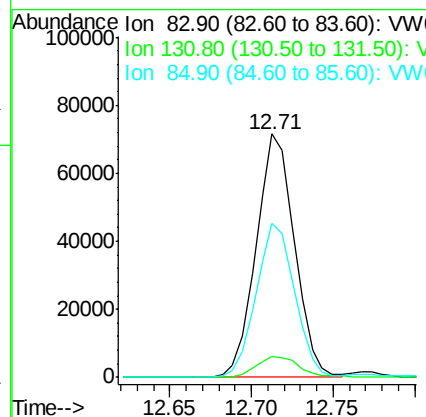
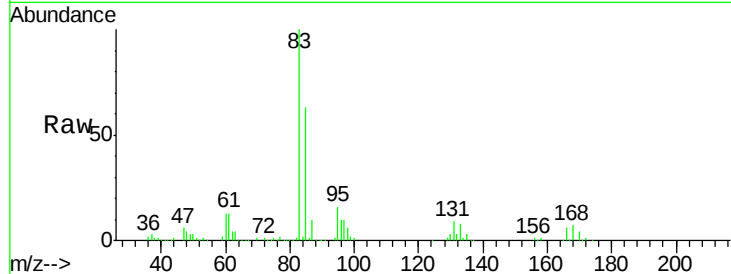
#75
 1,1,2,2-Tetrachloroethane
 Concen: 49.852 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	116911		
131	9.8	5.0	15.0	
85	63.7	31.6	94.8	

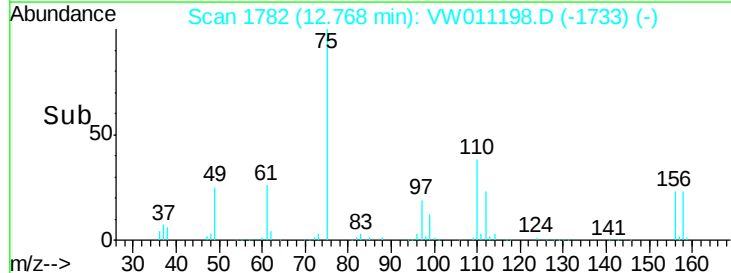
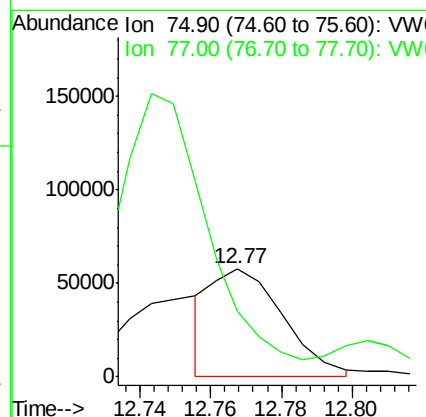
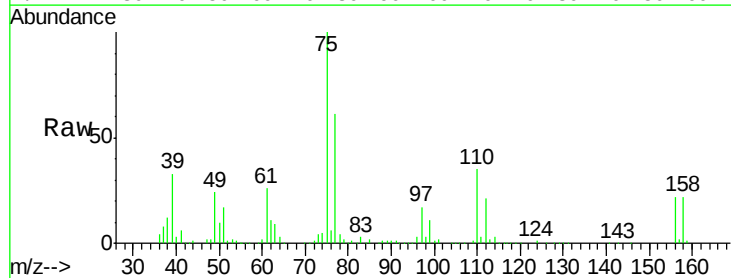
Manual Integrations
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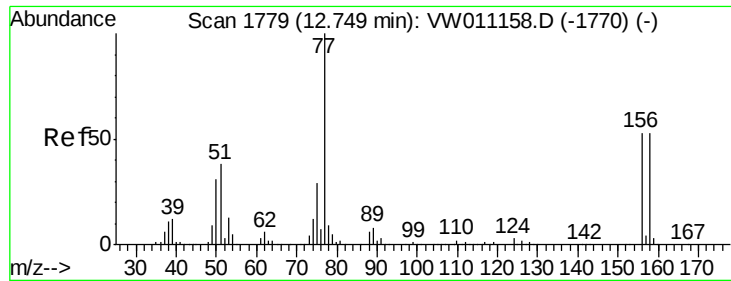
MMDadoda
 7/11/2019 2:50:05 PM



#76
 1,2,3-Trichloropropane
 Concen: 46.371 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82012		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 49.844 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

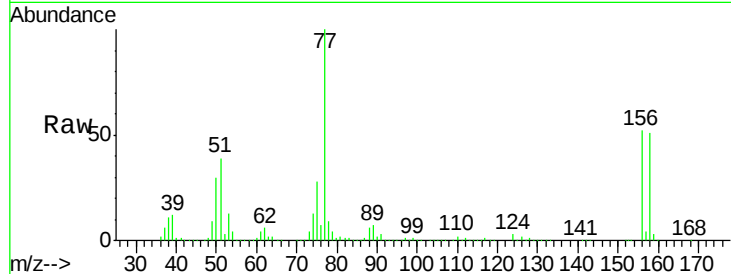
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	127974
Ion Ratio	Lower	Upper	
156	100		
77	218.1	109.0	327.0
158	97.1	48.8	146.3

Manual Integrations
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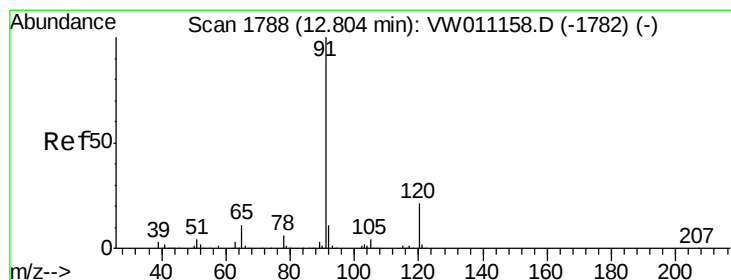
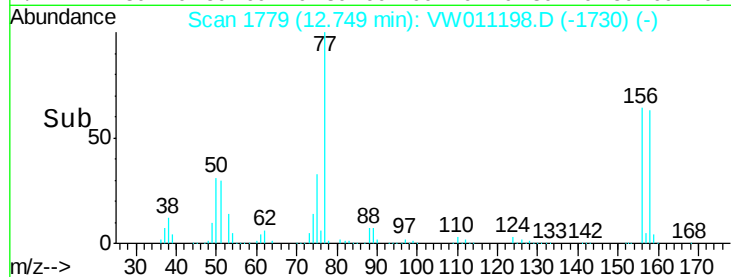
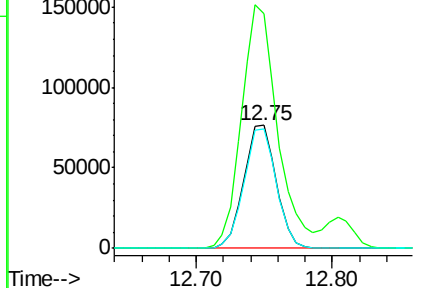
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.203 ug/l

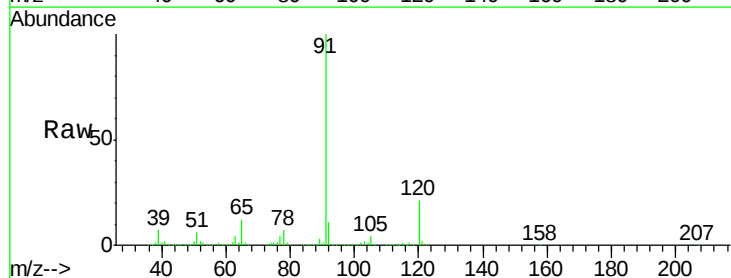
RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW011198.D

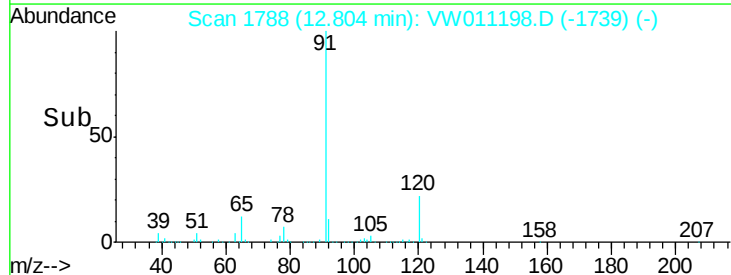
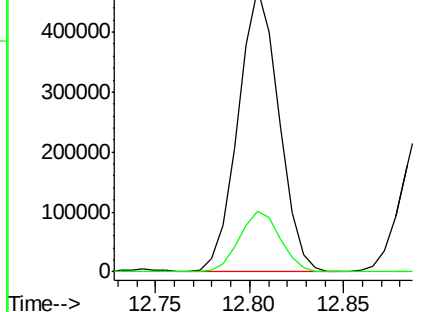
Acq: 10 Jul 2019 18:42

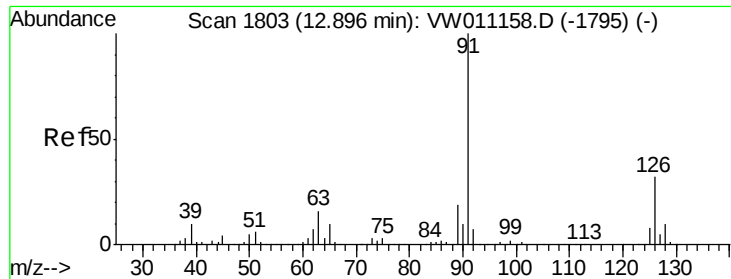
Tgt Ion:	91	Resp:	707522
Ion Ratio	Lower	Upper	
91	100		
120	21.6	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.155 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 406752

Ion Ratio Lower Upper

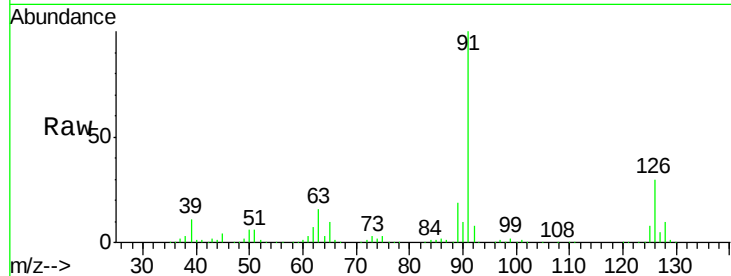
91 100

126 31.1 15.8 47.3

Manual Integrations
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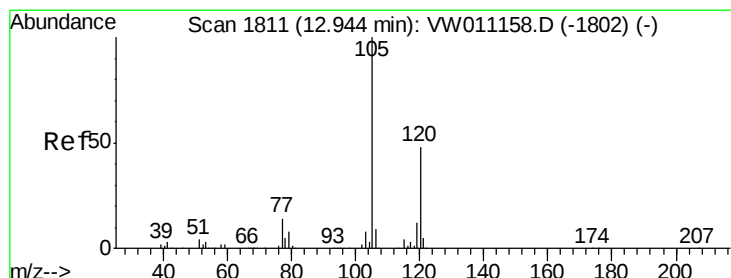
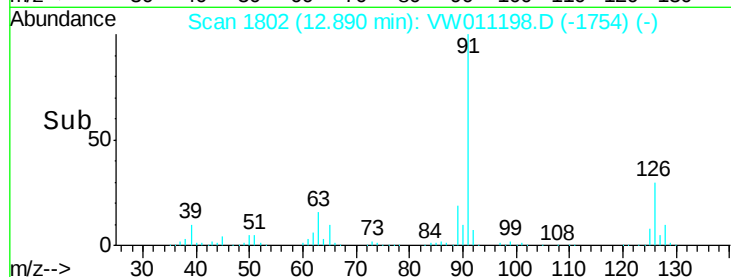
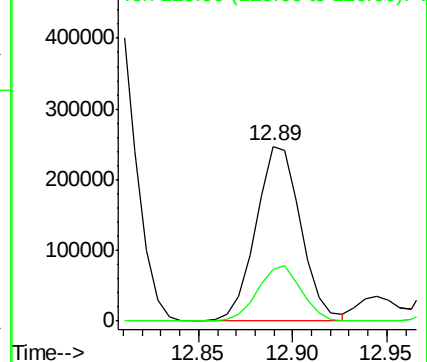
MMDadoda

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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: 50.436 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW011198.D

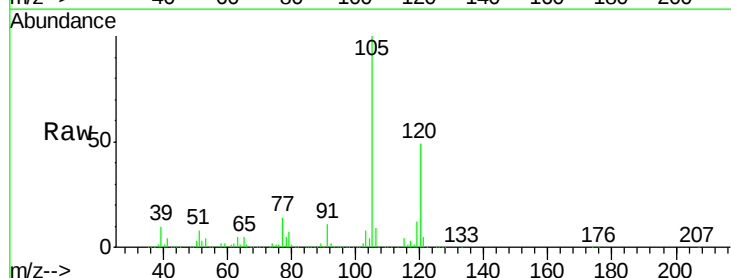
Acq: 10 Jul 2019 18:42

Tgt Ion: 105 Resp: 490205

Ion Ratio Lower Upper

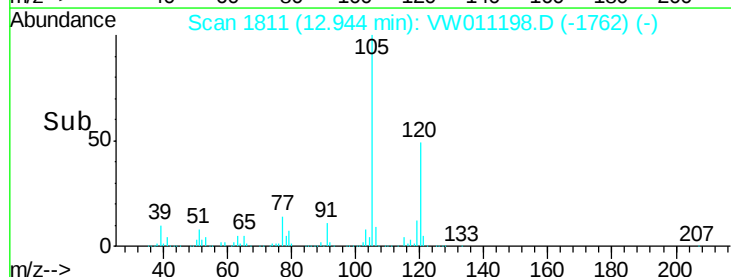
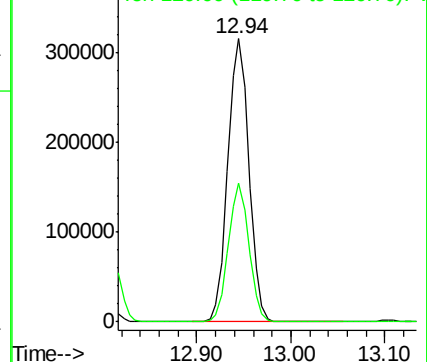
105 100

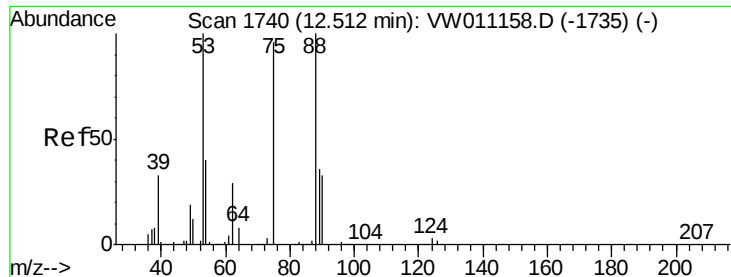
120 47.9 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





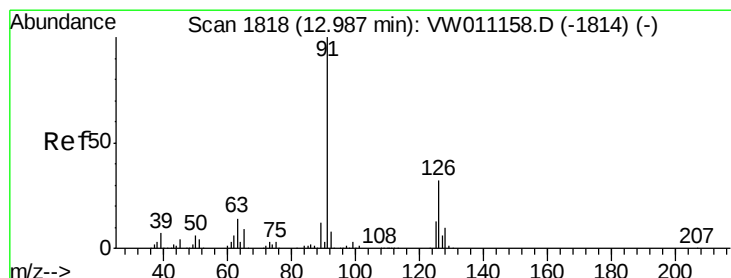
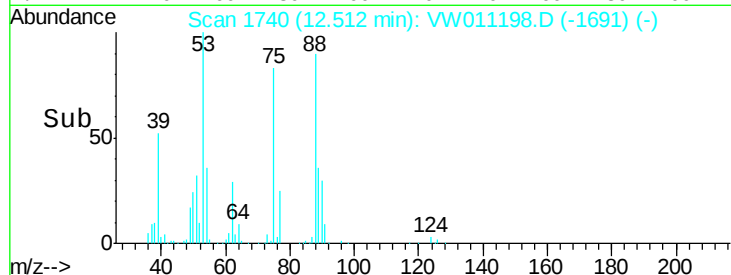
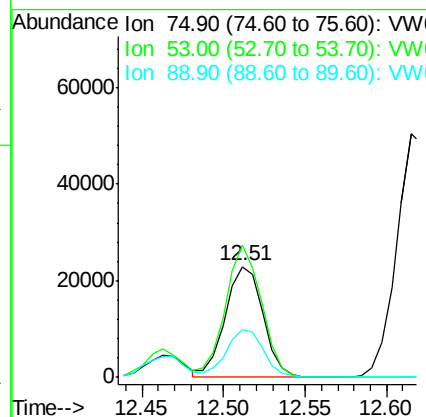
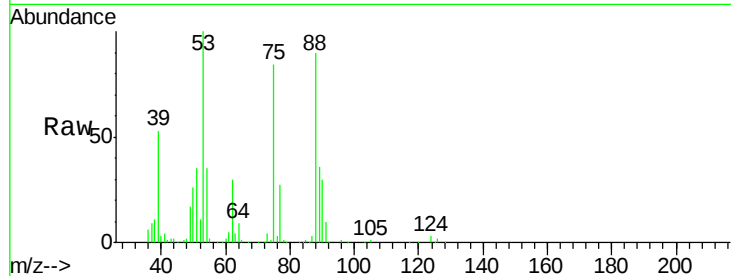
#81
trans-1,4-Dichloro-2-butene
Concen: 46.775 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.2	89.8	134.6
89	42.9	34.3	51.5

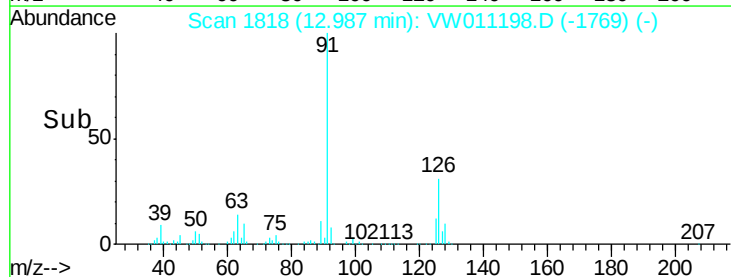
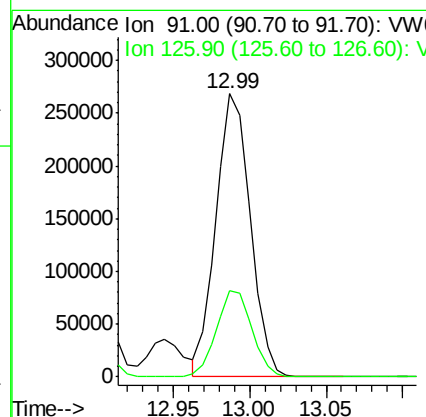
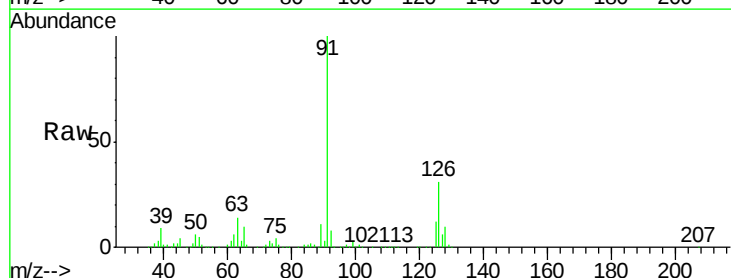
Manual Integrations
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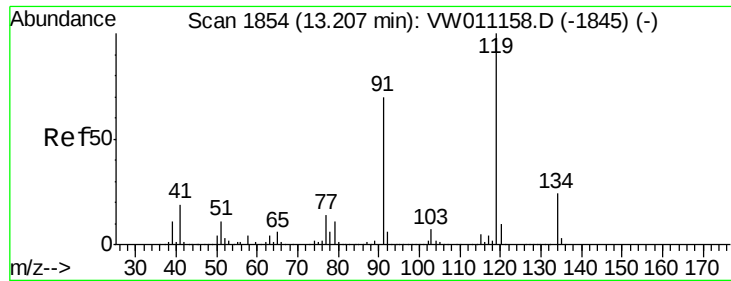
MMDadoda
7/11/2019 2:50:05 PM



#82
4-Chlorotoluene
Concen: 49.775 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





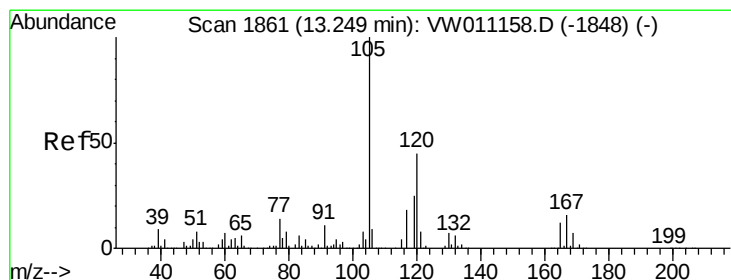
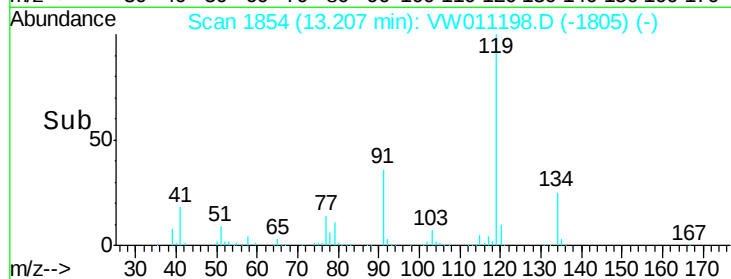
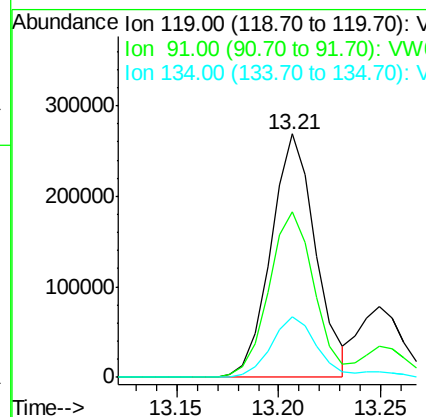
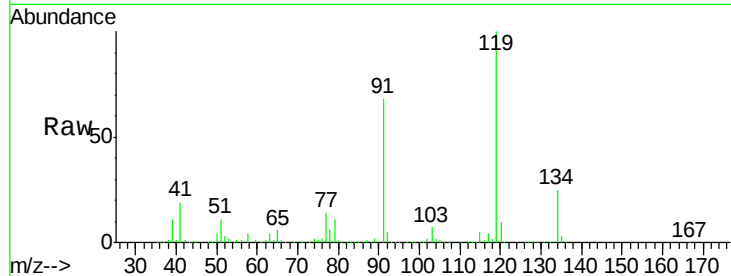
#83
tert-Butylbenzene
Concen: 50.508 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	35.4	106.3
134	25.3	13.4	40.2

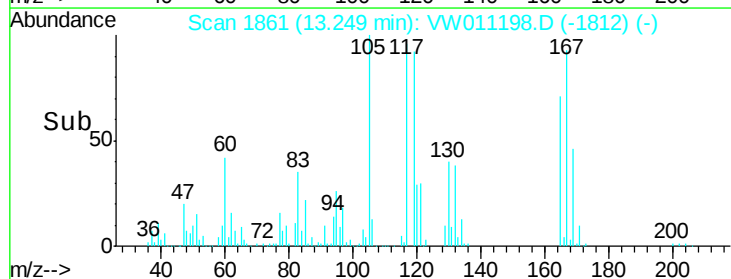
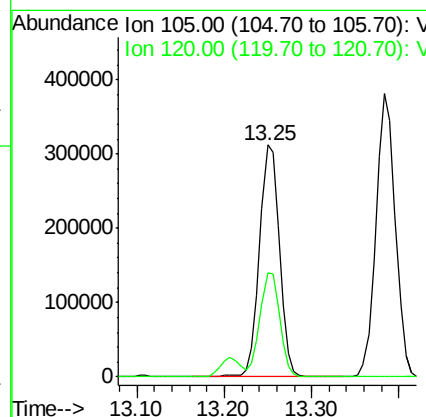
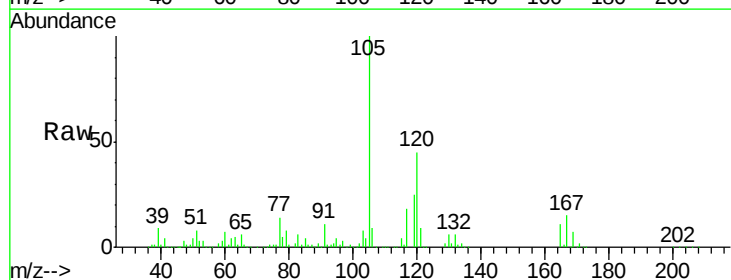
Manual Integrations
APPROVED

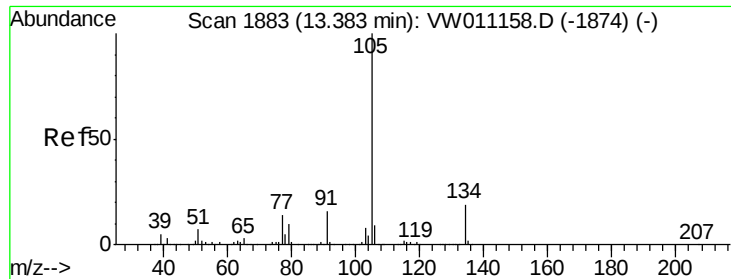
MMDadoda
7/11/2019 2:50:05 PM



#84
1,2,4-Trimethylbenzene
Concen: 50.616 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9





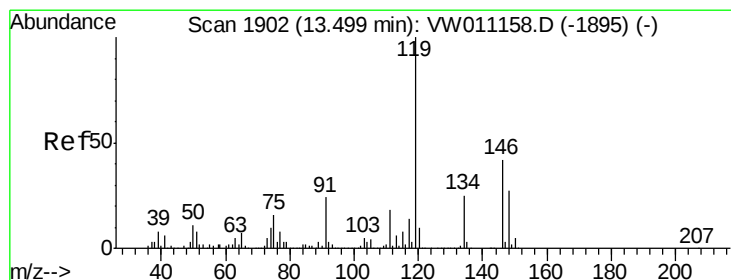
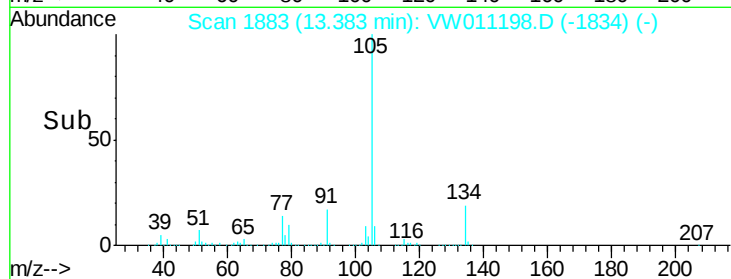
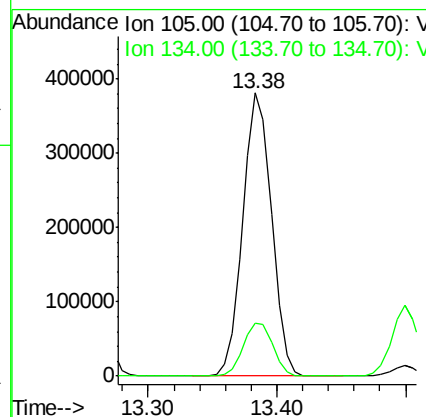
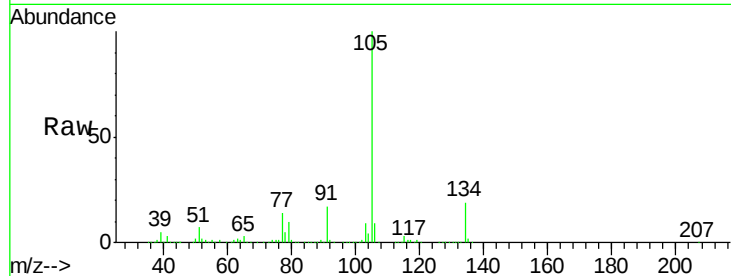
#85
 sec-Butylbenzene
 Concen: 50.200 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	587162		
134	19.4	9.7	28.9	

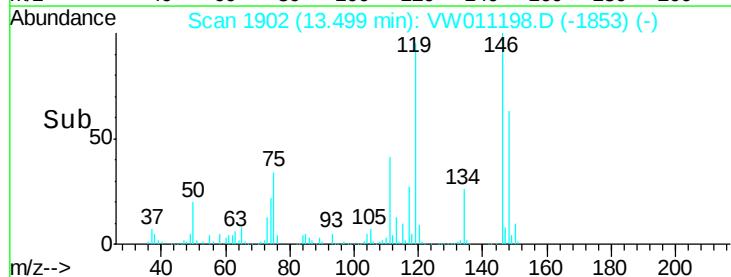
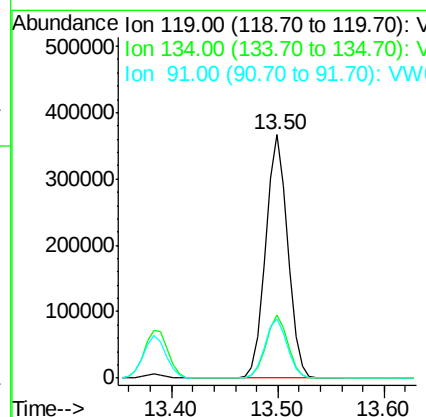
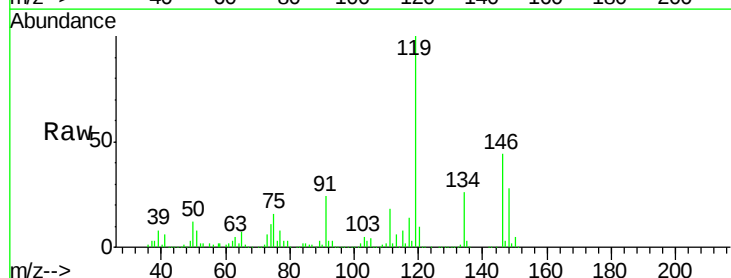
Manual Integrations
 APPROVED

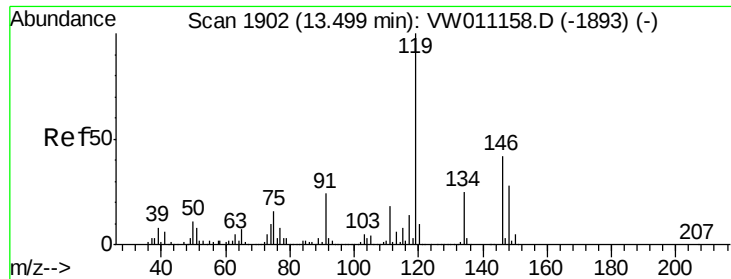
MMDadoda
 7/11/2019 2:50:05 PM



#86
 p-Isopropyltoluene
 Concen: 50.729 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	532186		
134	25.7	12.9	38.6	
91	24.7	12.3	36.8	





#87

1,3-Dichlorobenzene

Concen: 51.299 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

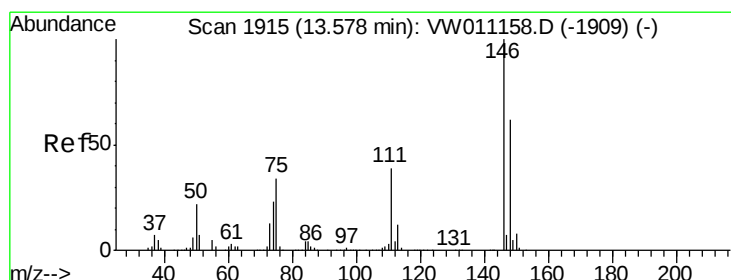
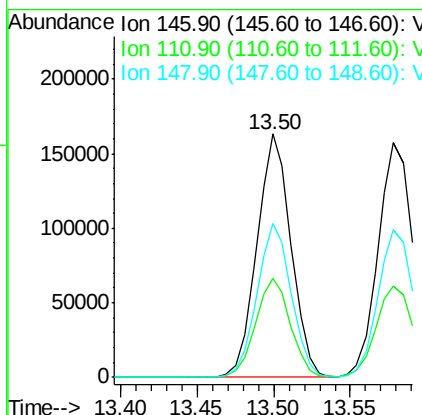
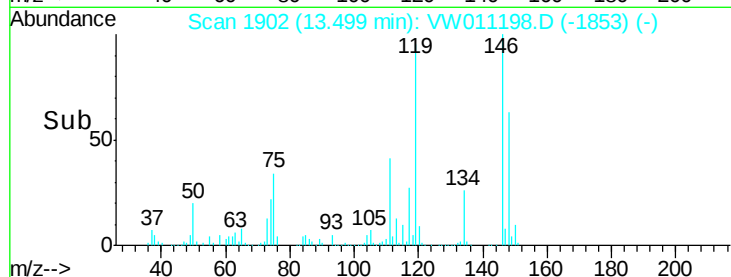
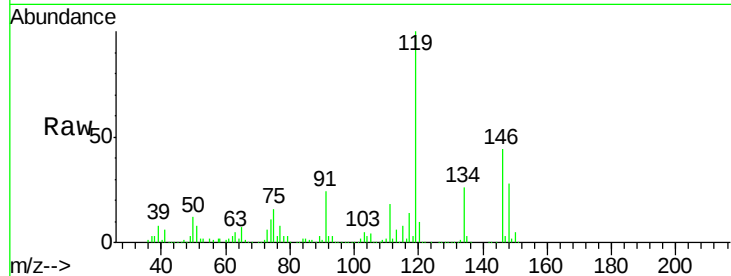
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	21.1	63.1
148	63.4	32.6	97.7

Manual Integrations
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7/11/2019 2:50:05 PM



#88

1,4-Dichlorobenzene

Concen: 50.354 ug/l

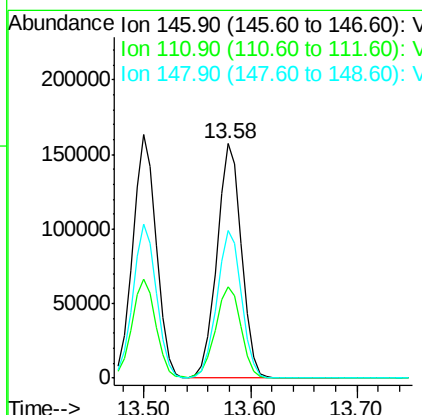
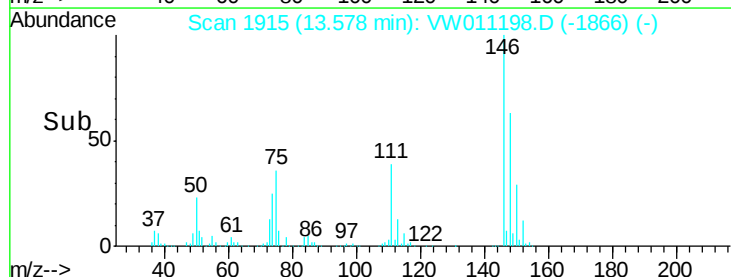
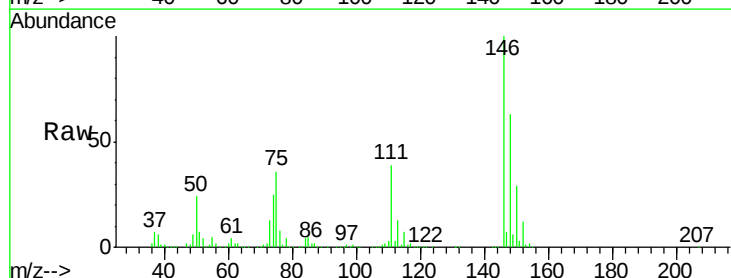
RT: 13.58 min Scan# 1915

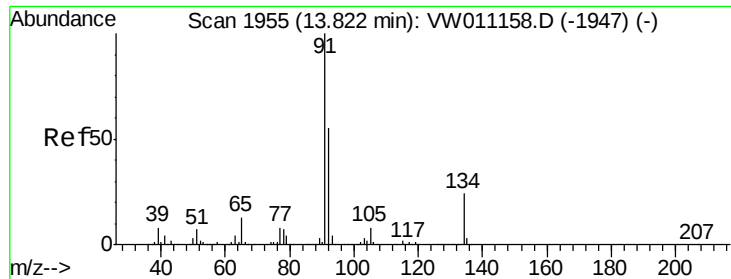
Delta R.T. 0.00 min

Lab File: VW011198.D

Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.9	59.7
148	63.2	31.5	94.5





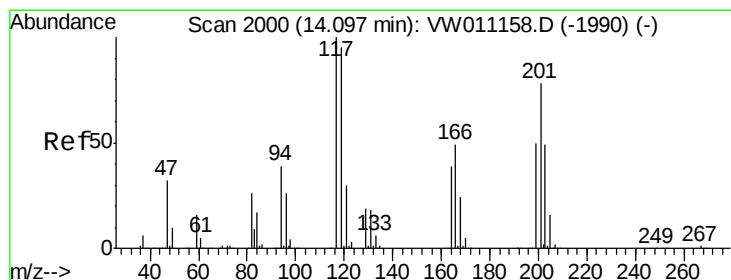
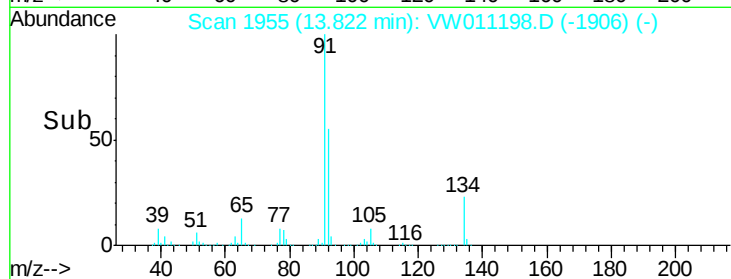
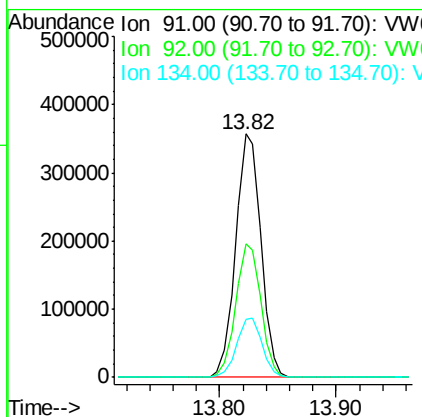
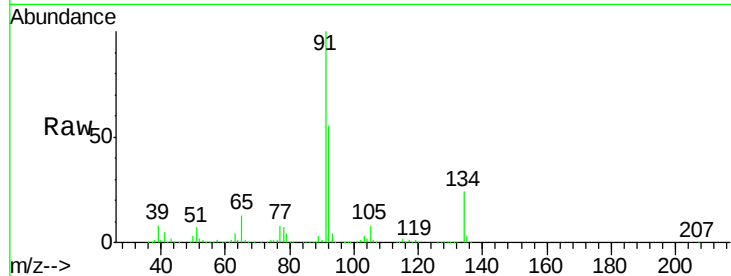
#89
n-Butylbenzene
Concen: 51.751 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	541593		
92	54.3	26.9	80.7	
134	24.4	12.2	36.4	

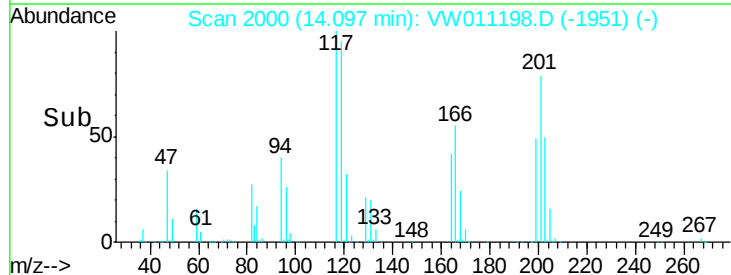
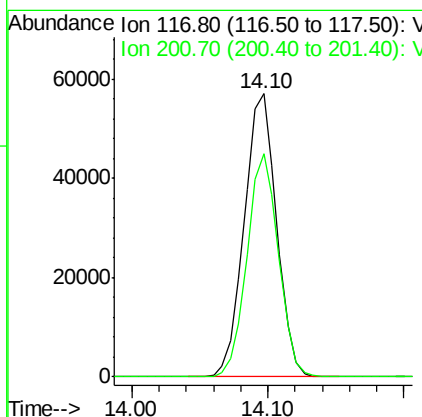
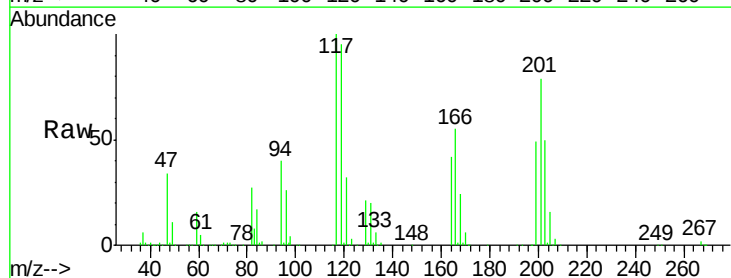
Manual Integrations
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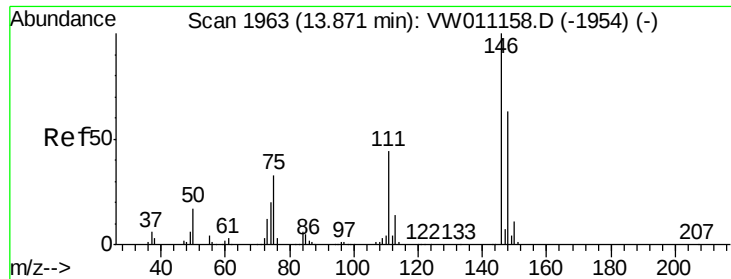
MMDadoda
7/11/2019 2:50:05 PM



#90
Hexachloroethane
Concen: 49.524 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	94939		
201	76.7	38.3	114.8	





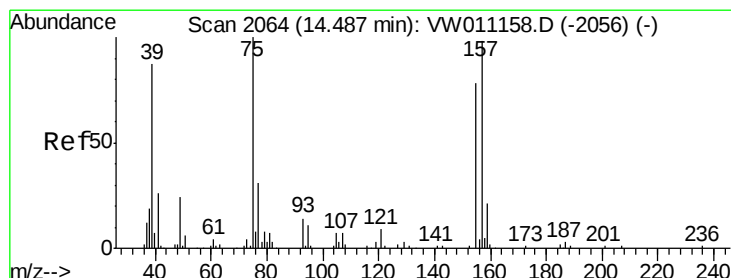
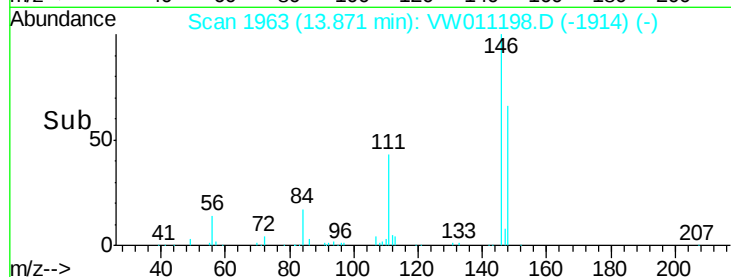
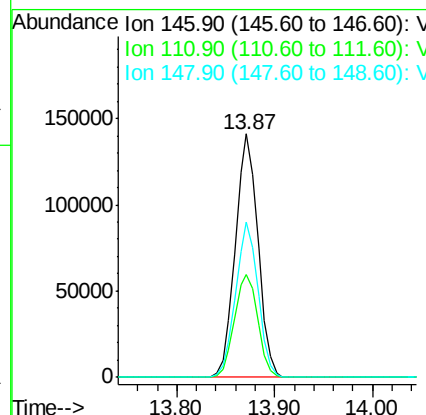
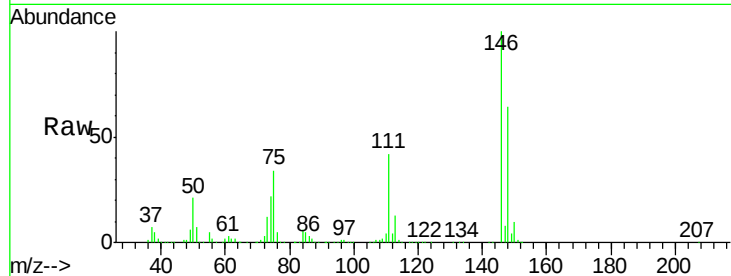
#91
 1,2-Dichlorobenzene
 Concen: 50.495 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	226293		
111	43.6		21.6	65.0
148	63.0		31.9	95.5

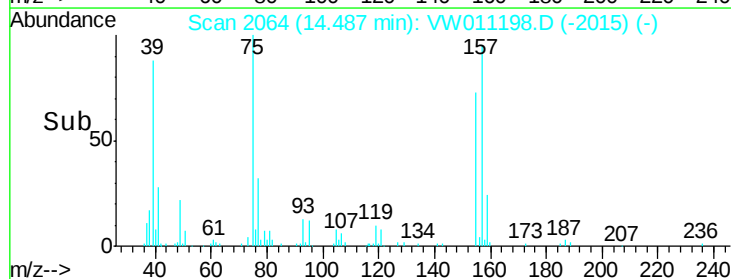
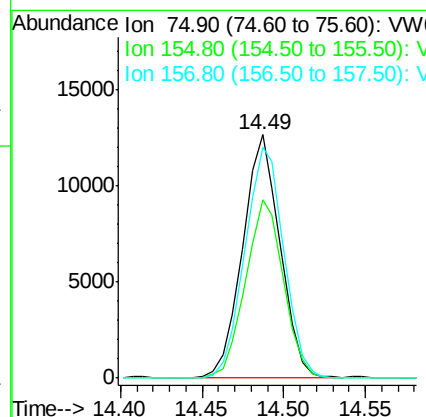
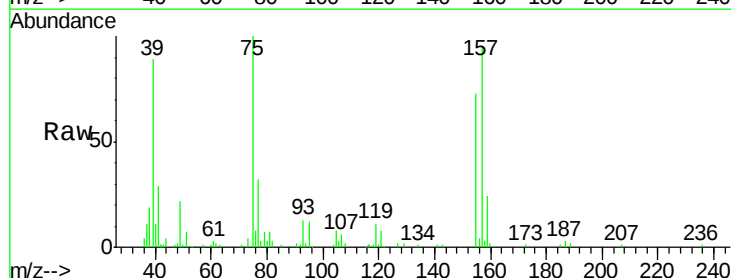
Manual Integrations
 APPROVED

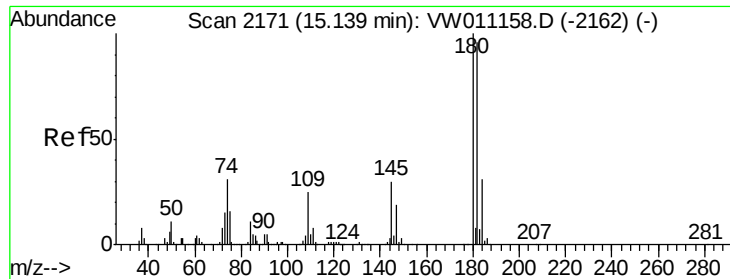
MMDadoda
 7/11/2019 2:50:05 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.531 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20188		
155	74.2		37.1	111.3
157	98.6		48.5	145.6





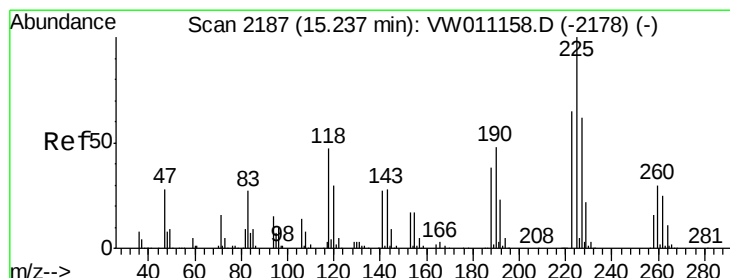
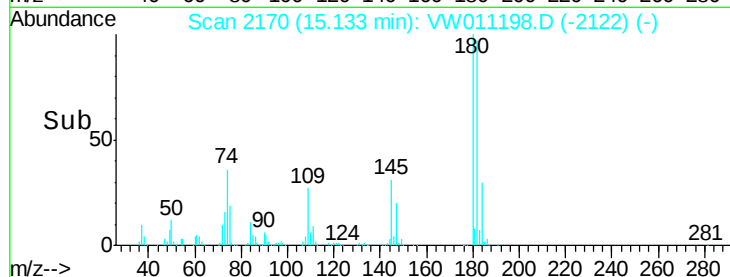
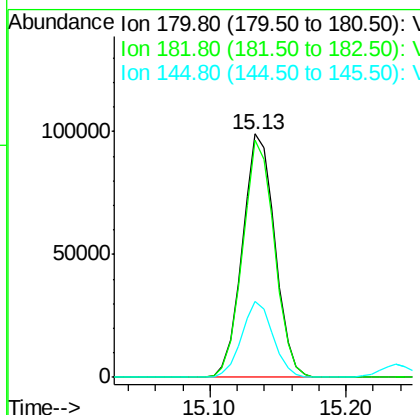
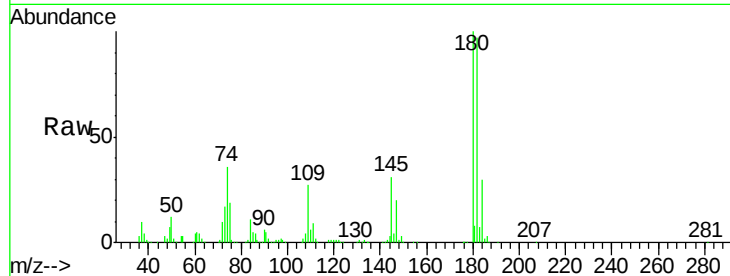
#93
 1,2,4-Trichlorobenzene
 Concen: 53.359 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	164706		
182	96.0	48.3	144.9	
145	30.4	15.5	46.5	

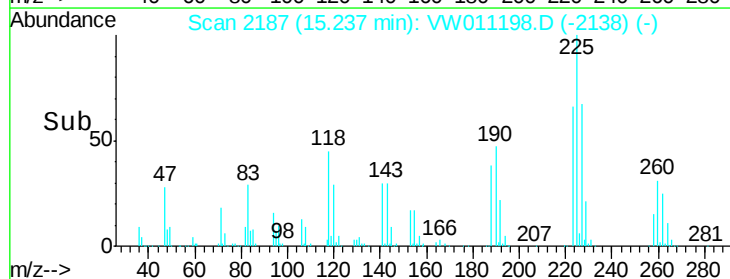
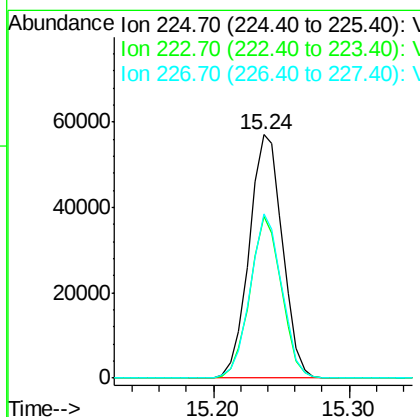
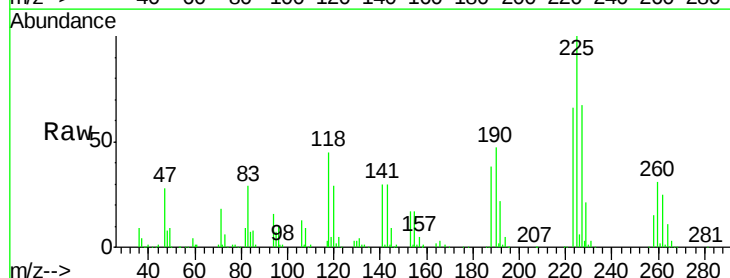
Manual Integrations
 APPROVED

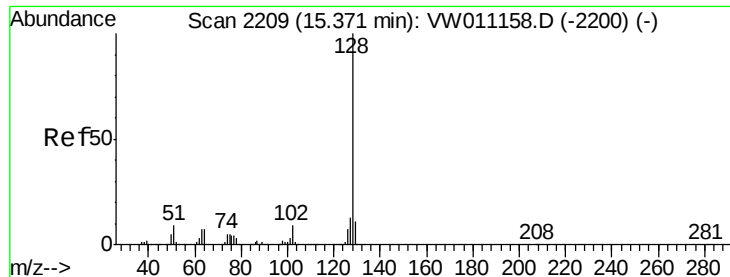
MMDadoda
 7/11/2019 2:50:05 PM



#94
 Hexachlorobutadiene
 Concen: 51.631 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW011198.D
 Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	97844		
223	62.8	31.6	95.0	
227	64.0	32.0	96.0	





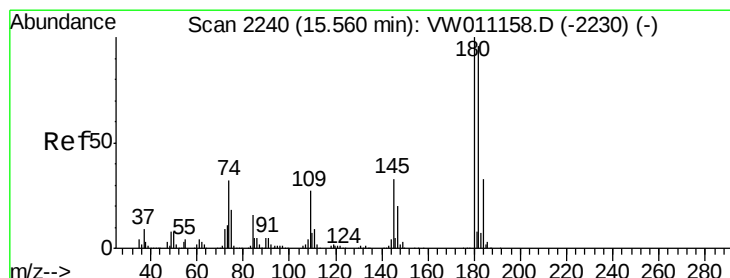
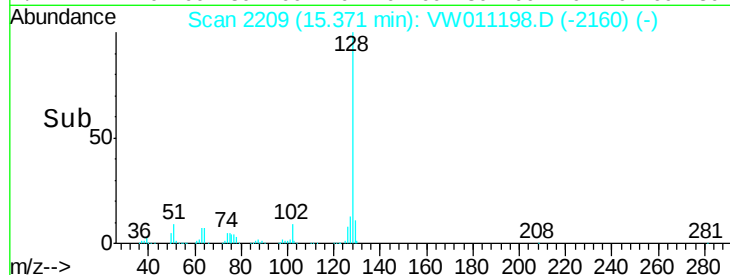
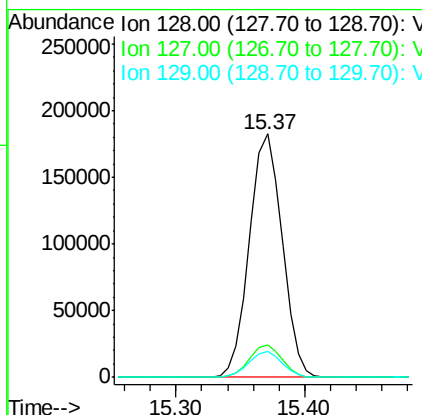
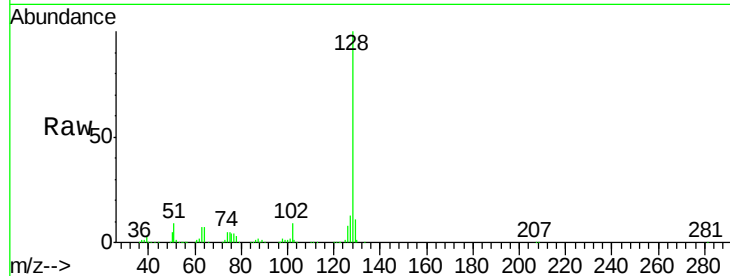
#95
Naphthalene
Concen: 54.392 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/11/2019 2:50:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.213 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW011198.D
Acq: 10 Jul 2019 18:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.6	142.8
145	31.7	16.5	49.5

