

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082019\
 Data File : VW012056.D
 Acq On : 21 Aug 2019 02:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 8:30:08 AM

Quant Time: Aug 21 03:26:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	201807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	344359	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	306768	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	145993	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	137166	59.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.38%	
35) Dibromofluoromethane	7.88	113	108892	56.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.72%	
50) Toluene-d8	10.32	98	435218	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
62) 4-Bromofluorobenzene	12.62	95	162662	57.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	52350	46.546	ug/l	99
3) Chloromethane	2.21	50	89547	45.916	ug/l	100
4) Vinyl Chloride	2.36	62	109453	46.616	ug/l	97
5) Bromomethane	2.75	94	58774	45.224	ug/l	98
6) Chloroethane	2.91	64	68318	50.938	ug/l	98
7) Trichlorofluoromethane	3.25	101	49112	46.803	ug/l	99
8) Diethyl Ether	3.68	74	67981	57.139	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	101977	51.230	ug/l	98
10) Methyl Iodide	4.27	142	152882	54.348	ug/l	100
11) Tert butyl alcohol	5.17	59	50983	301.812	ug/l	100
12) 1,1-Dichloroethene	4.04	96	107366	51.085	ug/l	98
13) Acrolein	3.89	56	42212	253.871	ug/l	96
14) Allyl chloride	4.66	41	225018	50.338	ug/l	99
15) Acrylonitrile	5.36	53	184718	311.019	ug/l	99
16) Acetone	4.12	43	154112	209.070	ug/l	100
17) Carbon Disulfide	4.38	76	297329	45.200	ug/l	99
18) Methyl Acetate	4.67	43	107080	64.664	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	200100	59.996	ug/l	96
20) Methylene Chloride	4.92	84	132678	52.190	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	118624	52.352	ug/l	97
22) Diisopropyl ether	6.31	45	480600	57.025	ug/l	97
23) Vinyl Acetate	6.25	43	1520755	287.166	ug/l	99
24) 1,1-Dichloroethane	6.21	63	249845	55.352	ug/l	99
25) 2-Butanone	7.17	43	265312	275.061	ug/l	99
26) 2,2-Dichloropropane	7.17	77	116158	41.845	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	137729	55.228	ug/l	97
28) Bromochloromethane	7.51	49	113611	56.707	ug/l #	99
29) Tetrahydrofuran	7.53	42	177348	321.662	ug/l	99
30) Chloroform	7.67	83	230715	55.404	ug/l	98
31) Cyclohexane	7.95	56	207659	47.927	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	174103	54.899	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178961	49.979	ug/l	98
37) Ethyl Acetate	7.25	43	119147	57.836	ug/l	98
38) Carbon Tetrachloride	8.07	117	154682	50.462	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	197847	50.180	ug/l	100
40) Benzene	8.32	78	522882	52.133	ug/l	100
41) Methacrylonitrile	7.48	41	73722	59.866	ug/l	96
42) 1,2-Dichloroethane	8.40	62	170472	54.287	ug/l	99
43) Isopropyl Acetate	8.42	43	224878	59.356	ug/l	99
44) Trichloroethene	9.09	130	126825	52.611	ug/l	97
45) 1,2-Dichloropropane	9.37	63	146010	54.408	ug/l	100
46) Dibromomethane	9.46	93	67292	54.939	ug/l	99
47) Bromodichloromethane	9.64	83	173629	54.040	ug/l	100
48) Methyl methacrylate	9.43	41	109975	60.429	ug/l	99
49) 1,4-Dioxane	9.45	88	24073	1357.359	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	601681	305.320	ug/l	100
52) Toluene	10.38	92	321610	53.098	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	179508	53.484	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	210693	52.797	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	98516	56.687	ug/l	98
56) Ethyl methacrylate	10.65	69	154453	60.734	ug/l	99
57) 1,3-Dichloropropane	10.93	76	185348	56.373	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	417582	361.648	ug/l	100
59) 2-Hexanone	10.97	43	408283	293.431	ug/l	99
60) Dibromochloromethane	11.13	129	109256	56.636	ug/l	99
61) 1,2-Dibromoethane	11.23	107	92641	56.329	ug/l	100
64) Tetrachloroethene	10.86	164	111657	55.901	ug/l	99
65) Chlorobenzene	11.66	112	327196	53.052	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	116413	54.189	ug/l	99
67) Ethyl Benzene	11.73	91	622728	53.015	ug/l	99
68) m/p-Xylenes	11.83	106	446238	104.463	ug/l	100
69) o-Xylene	12.16	106	216782	54.611	ug/l	99
70) Styrene	12.18	104	374720	54.597	ug/l	99
71) Bromoform	12.35	173	62530	57.088	ug/l #	98
73) Isopropylbenzene	12.46	105	589647	54.139	ug/l	99
74) N-amyl acetate	12.27	43	210418	61.709	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	121430	59.273	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	81916m	53.028	ug/l	
77) Bromobenzene	12.74	156	131913	54.796	ug/l	99
78) n-propylbenzene	12.80	91	703847	53.101	ug/l	100
79) 2-Chlorotoluene	12.89	91	405559	53.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	493020	54.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37528	55.988	ug/l	98
82) 4-Chlorotoluene	12.99	91	421778	52.644	ug/l	100
83) tert-Butylbenzene	13.21	119	427036	55.934	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	494908	53.812	ug/l	100
85) sec-Butylbenzene	13.38	105	588653	54.036	ug/l	99
86) p-Isopropyltoluene	13.50	119	525960	53.213	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	247725	52.481	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	245276	52.236	ug/l	100
89) n-Butylbenzene	13.82	91	507778	51.479	ug/l	100
90) Hexachloroethane	14.09	117	93485	53.488	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	225950	54.122	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21764	62.298	ug/l	99

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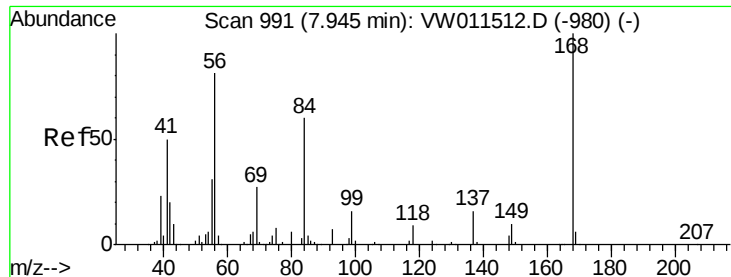
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	162623	55.271	ug/l	99
94) Hexachlorobutadiene	15.24	225	98233	53.537	ug/l	99
95) Naphthalene	15.36	128	343544	59.210	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	147148	57.054	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 201807

Ion Ratio Lower Upper

168 100

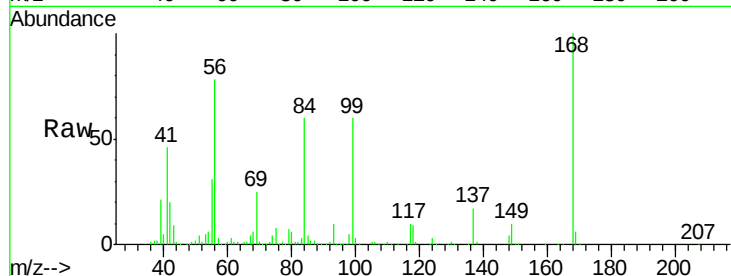
99 59.9 48.2 72.4

Manual Integrations

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8/21/2019 8:30:08 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

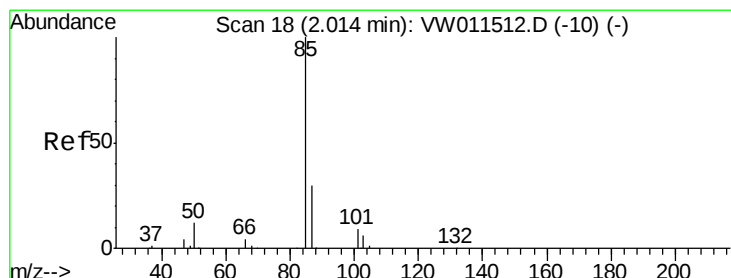
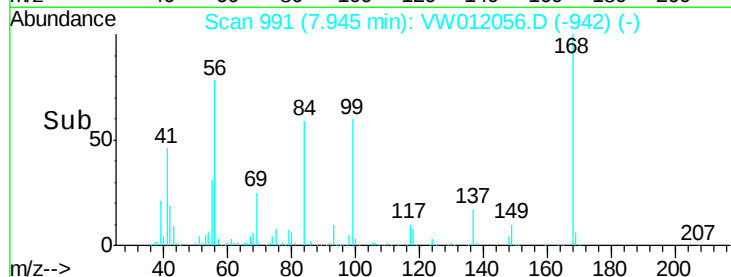
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.546 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW012056.D

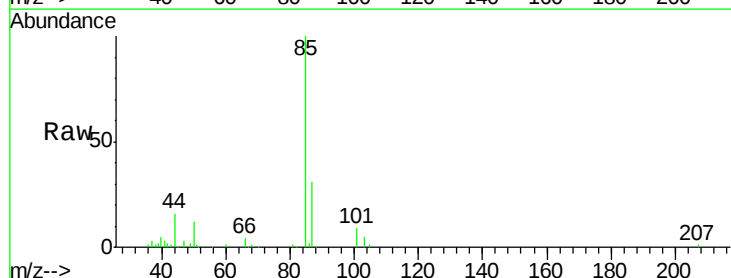
Acq: 21 Aug 2019 02:58

Tgt Ion: 85 Resp: 52350

Ion Ratio Lower Upper

85 100

87 30.9 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

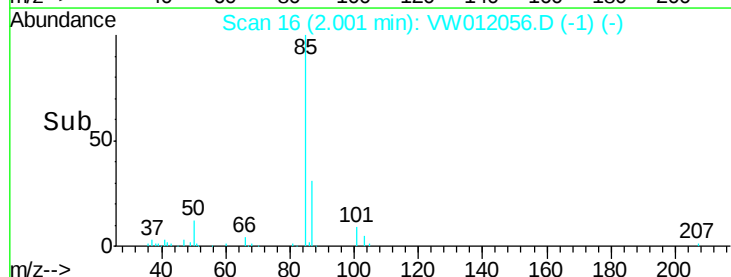
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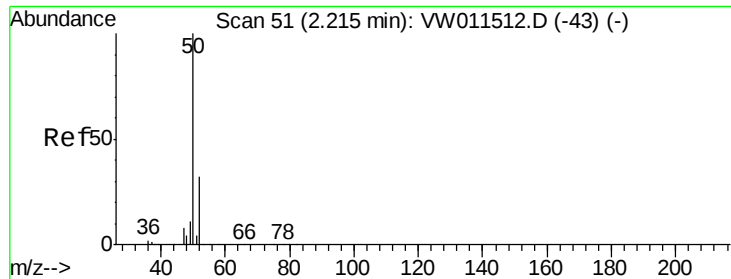
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5000

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Time-->





#3

Chloromethane

Concen: 45.916 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 89547

Ion Ratio Lower Upper

50 100

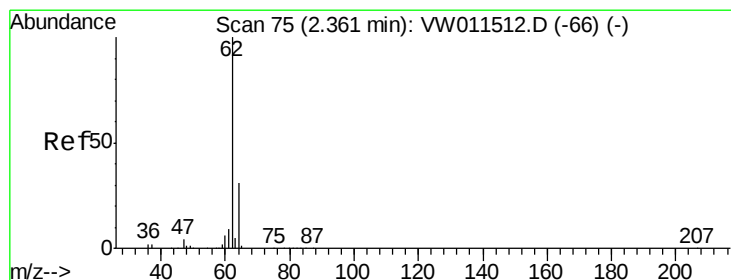
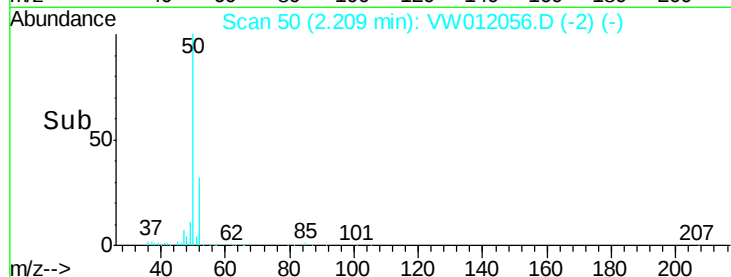
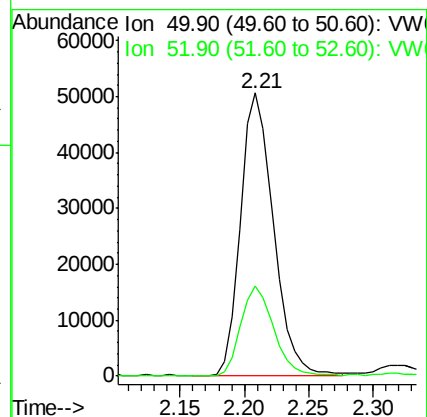
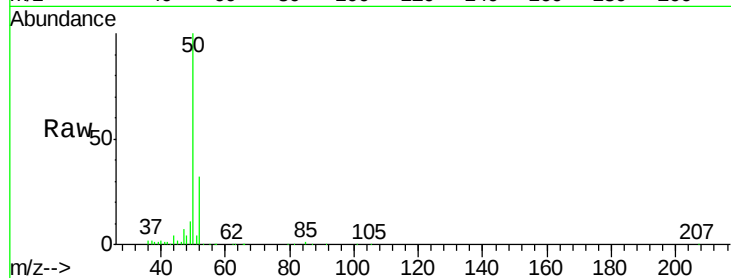
52 31.9 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.616 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW012056.D

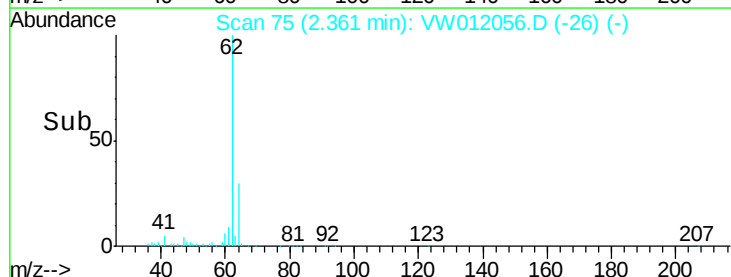
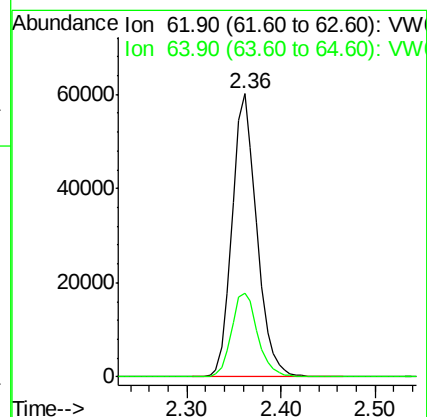
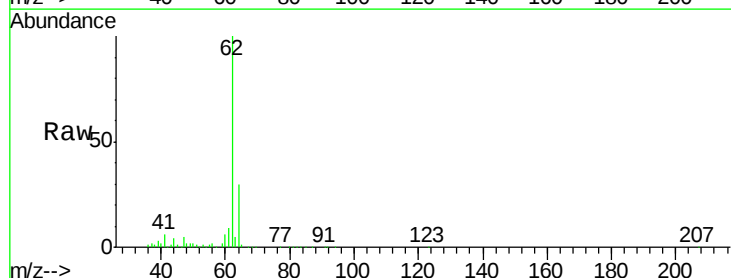
Acq: 21 Aug 2019 02:58

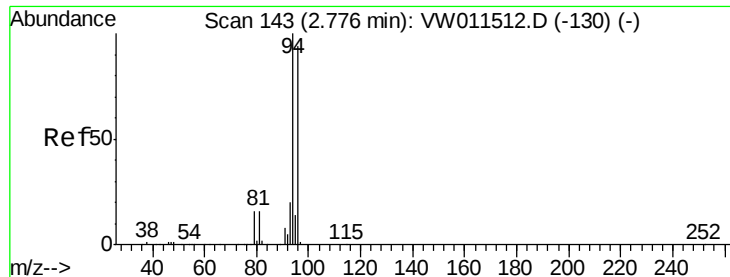
Tgt Ion: 62 Resp: 109453

Ion Ratio Lower Upper

62 100

64 29.6 25.0 37.4





#5

Bromomethane

Concen: 45.224 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.02 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

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Tot Ion: 94 Resp: 58774

Ion Ratio Lower Upper

94 100

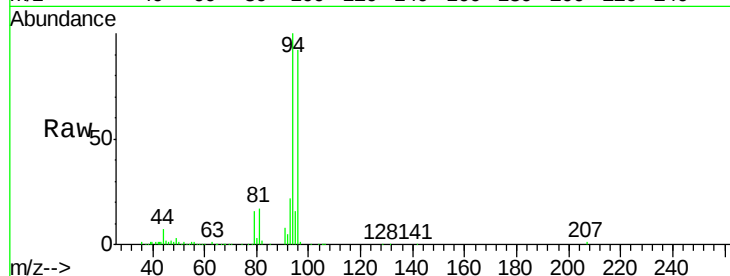
96 92.2 75.0 112.6

Manual Integrations

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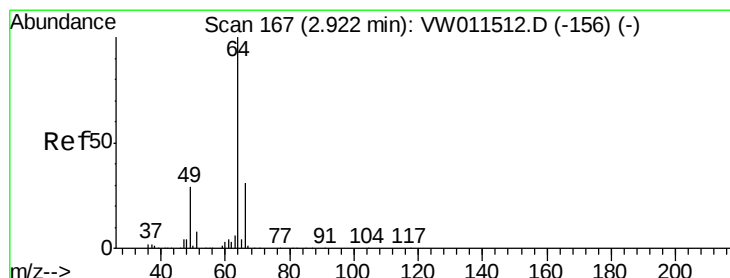
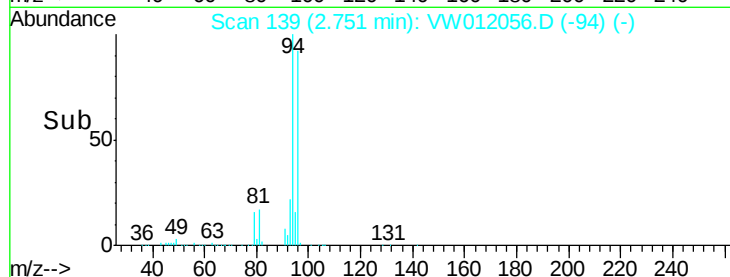
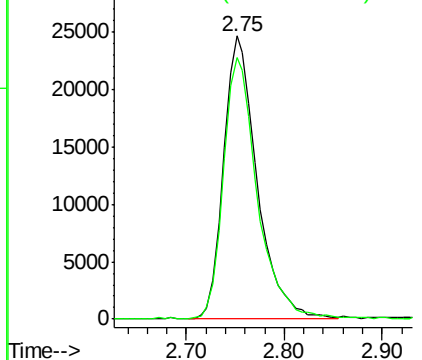
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.938 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW012056.D

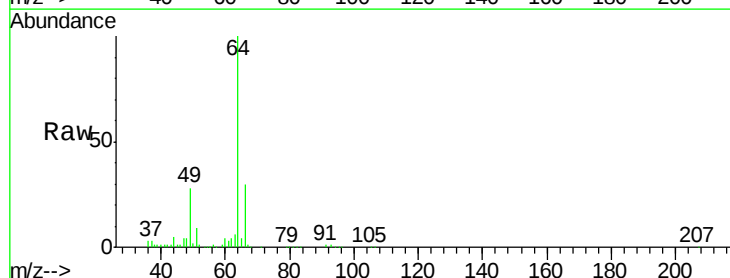
Acq: 21 Aug 2019 02:58

Tgt Ion: 64 Resp: 68318

Ion Ratio Lower Upper

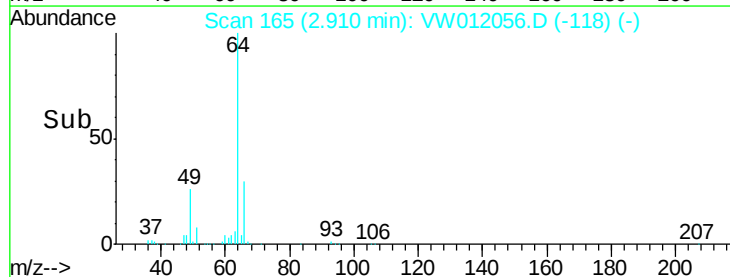
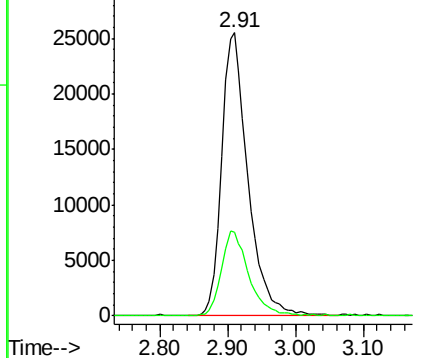
64 100

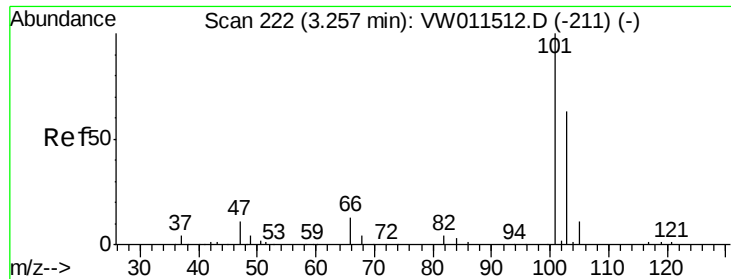
66 29.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

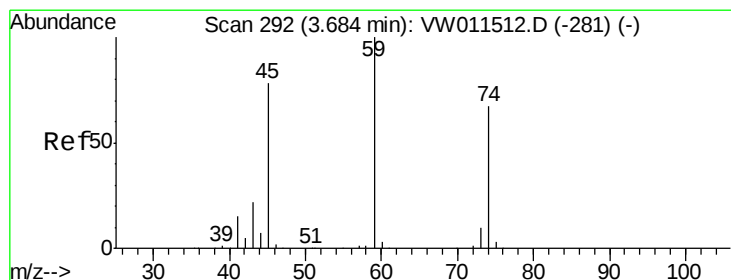
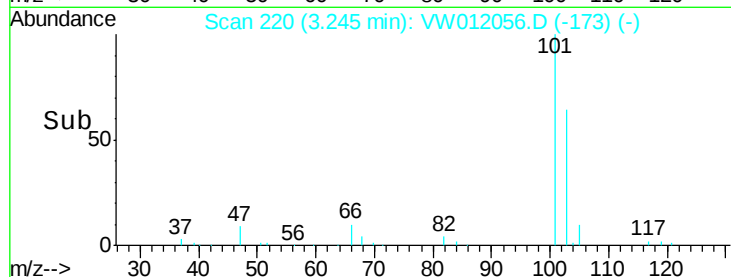
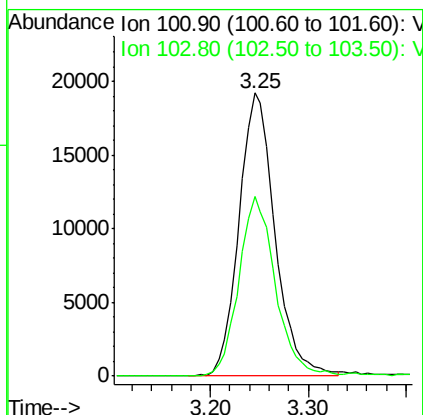
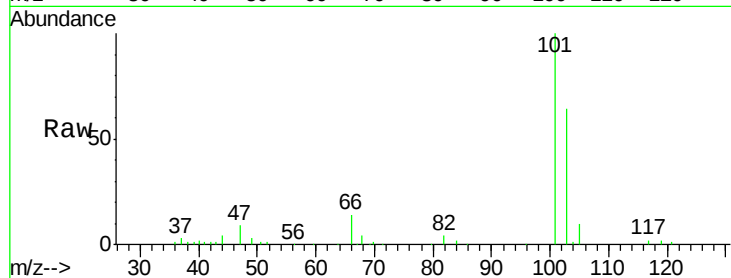
Trichlorofluoromethane
 Concen: 46.803 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.2	75.4

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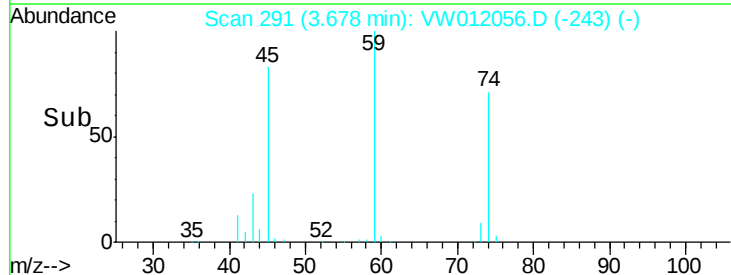
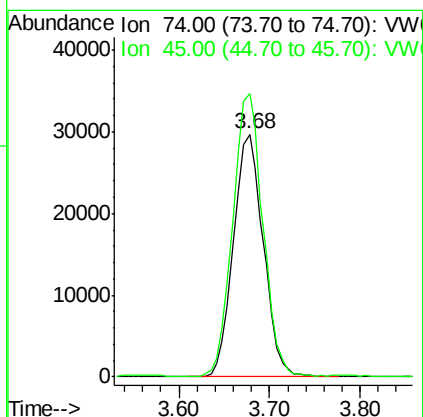
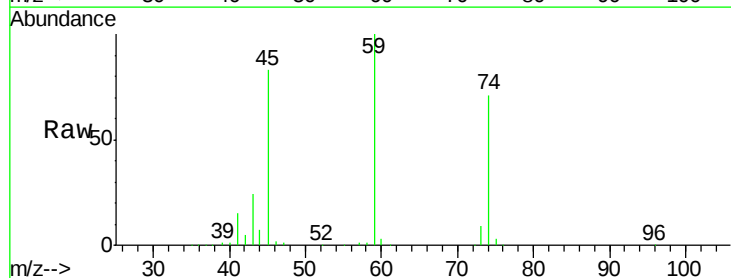
MMDadoda
 8/21/2019 8:30:08 AM

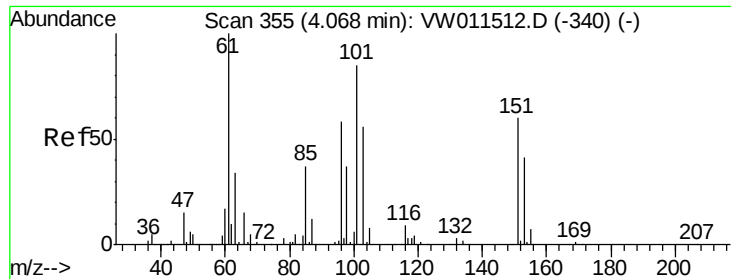


#8

Diethyl Ether
 Concen: 57.139 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.5	59.6	178.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.230 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

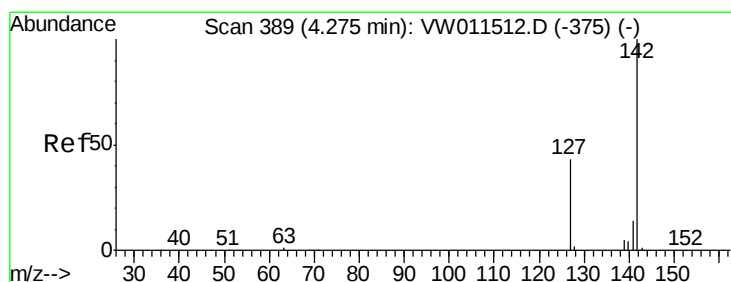
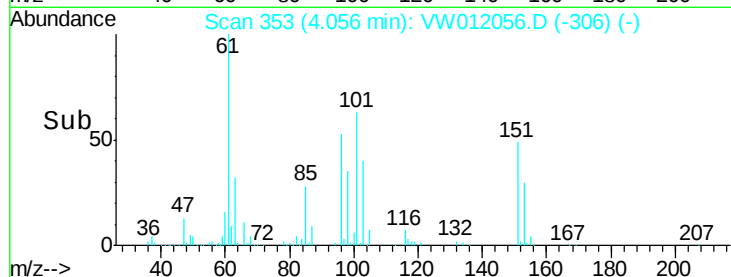
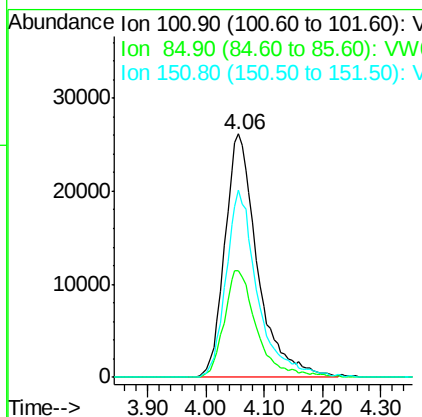
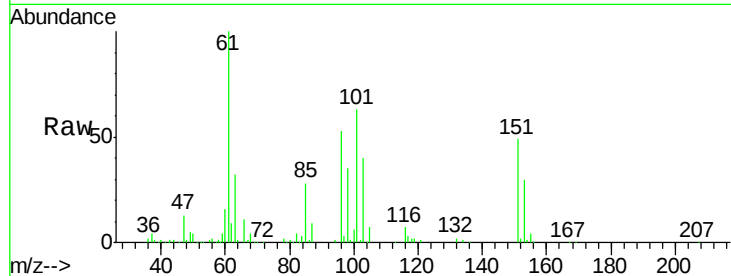
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	101977
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	54.8
151	74.2	60.2	90.2

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#10

Methyl Iodide

Concen: 54.348 ug/l

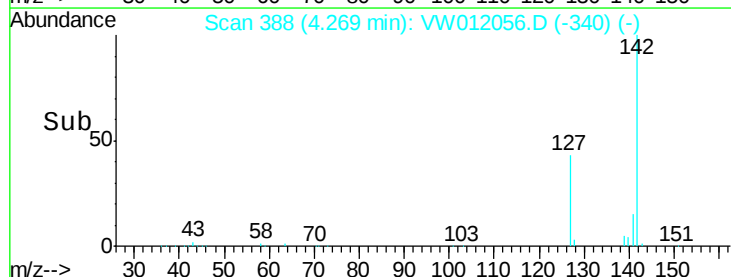
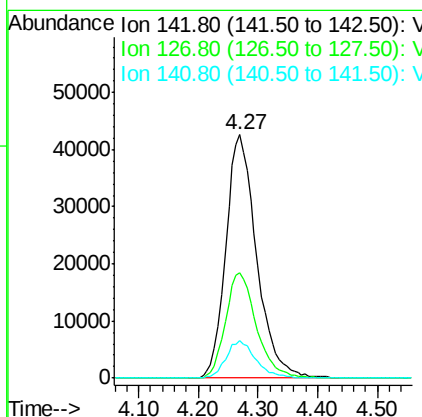
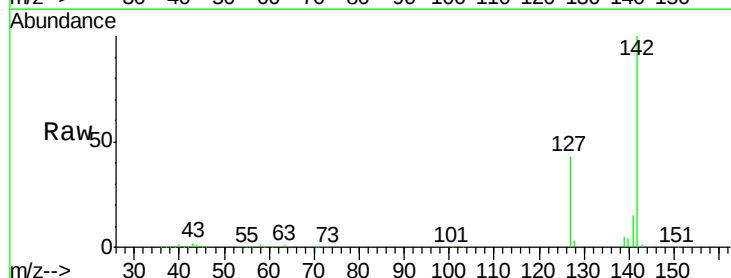
RT: 4.27 min Scan# 388

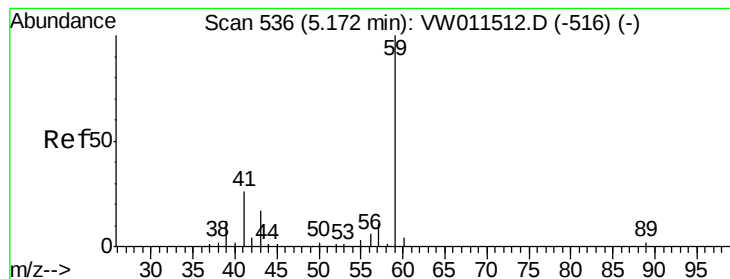
Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion:	142	Resp:	152882
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.0	52.6
141	14.8	11.9	17.9





#11

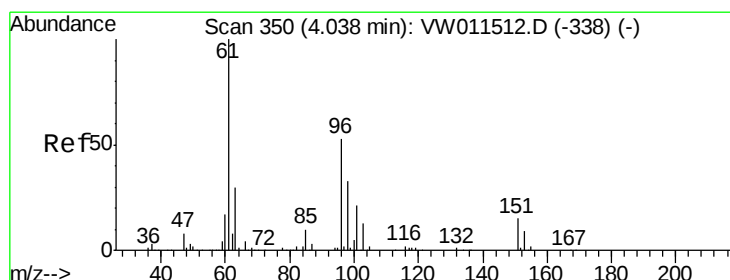
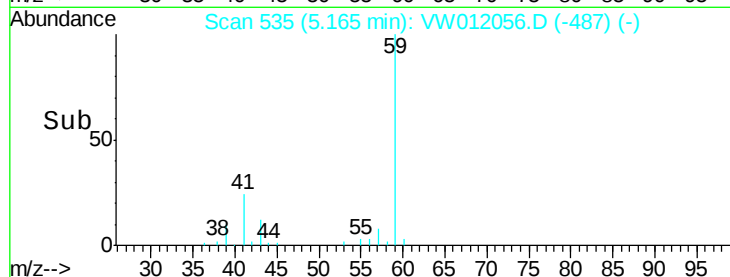
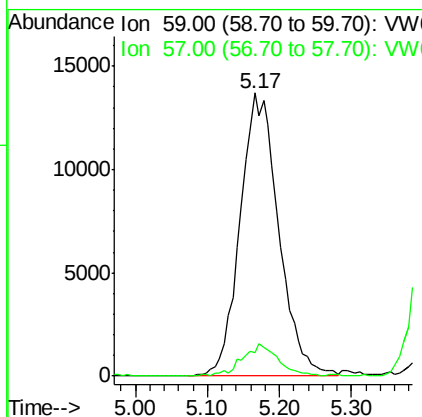
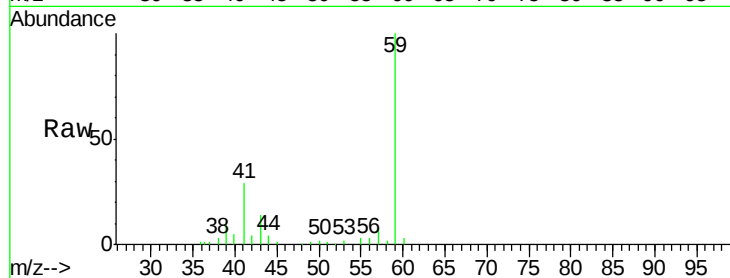
Tert butyl alcohol
 Concen: 301.812 ug/l
 RT: 5.17 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

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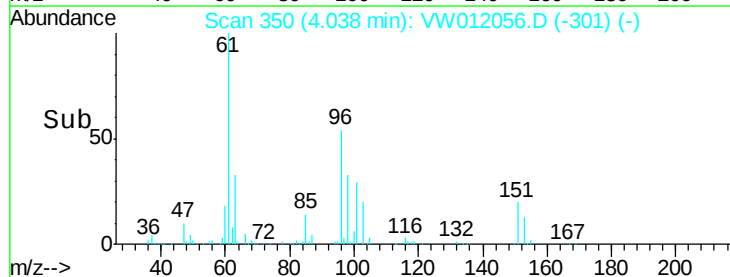
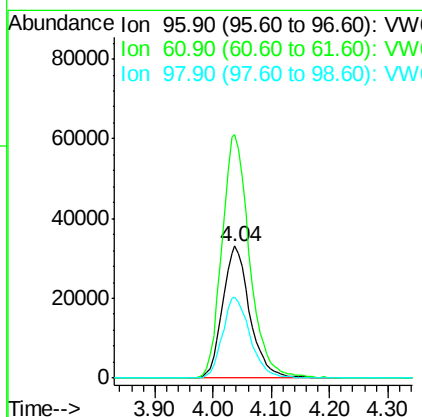
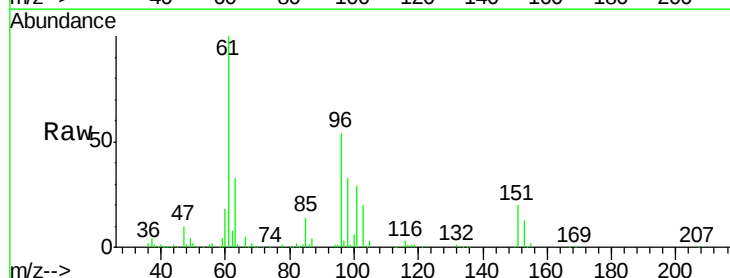
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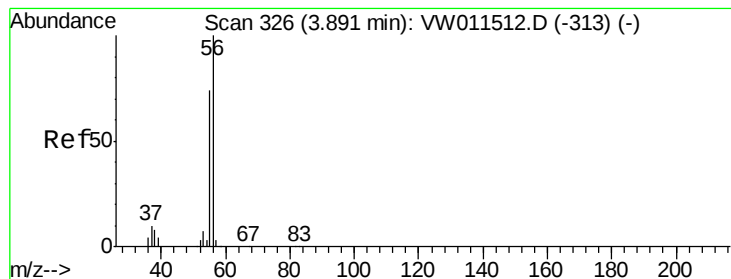


#12

1,1-Dichloroethene
 Concen: 51.085 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.5	149.9	224.9
98	61.6	49.1	73.7





#13

Acrolein

Concen: 253.871 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 42212

Ion Ratio Lower Upper

56 100

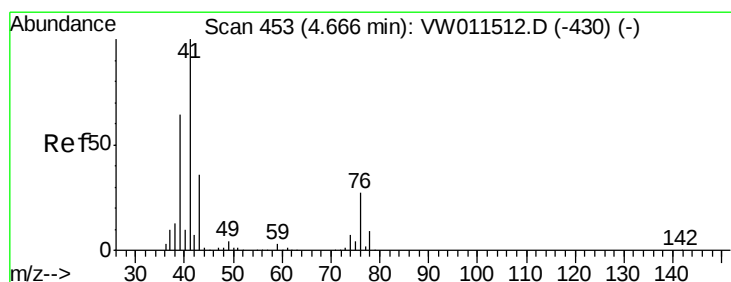
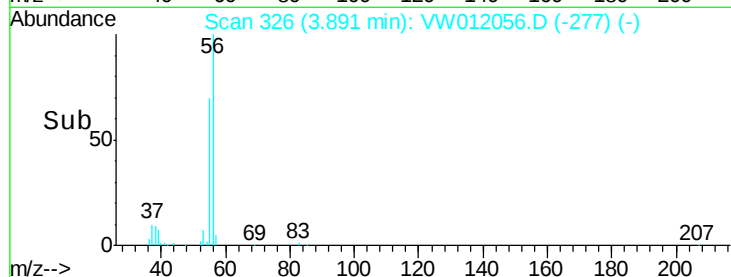
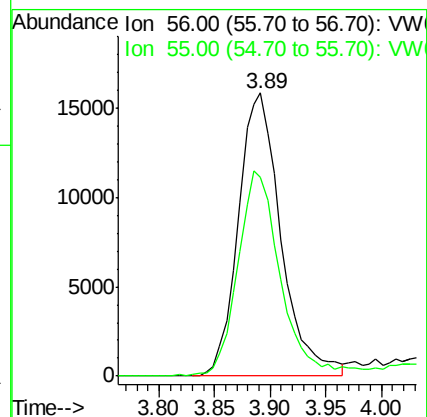
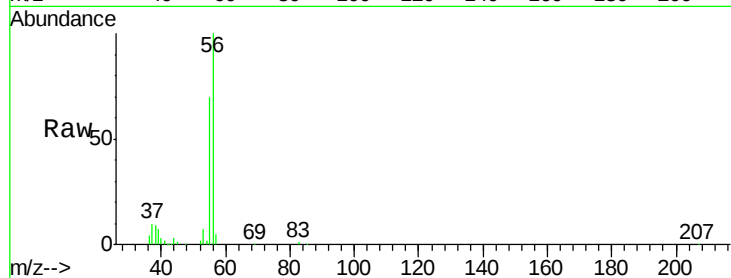
55 73.4 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.338 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

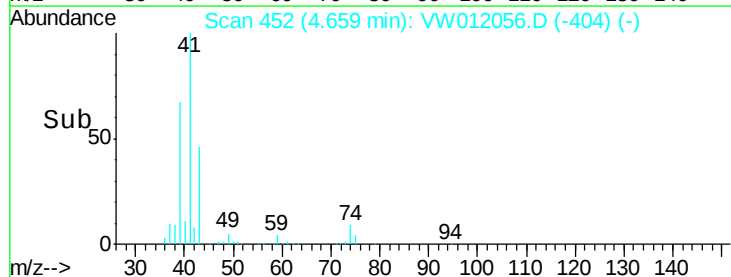
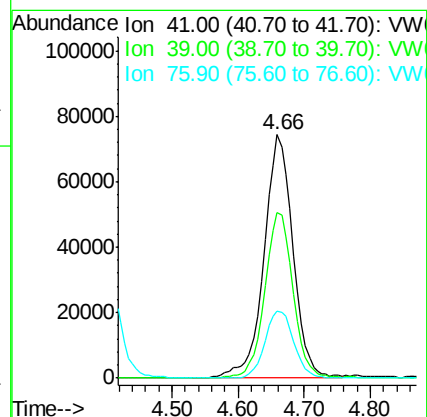
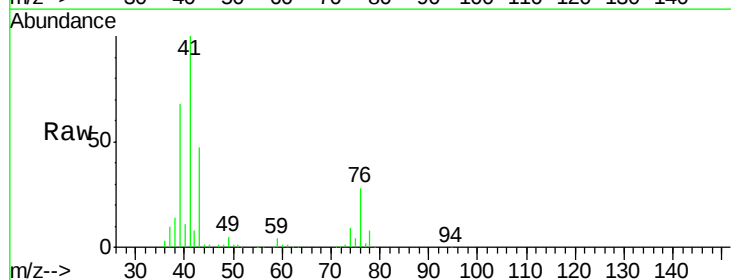
Tgt Ion: 41 Resp: 225018

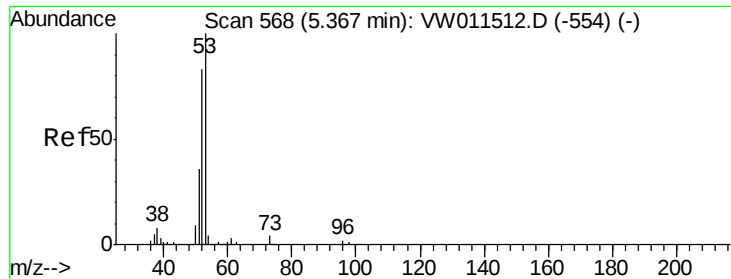
Ion Ratio Lower Upper

41 100

39 66.8 52.6 78.8

76 27.6 22.0 33.0





#15

Acrylonitrile

Concen: 311.019 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

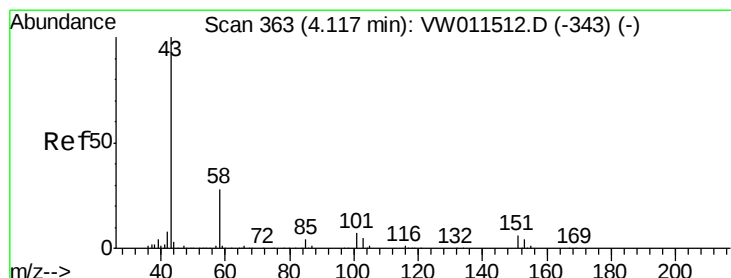
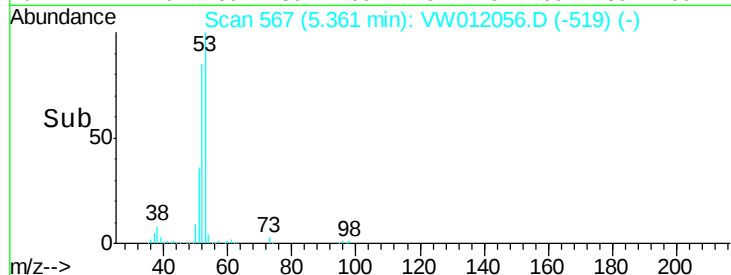
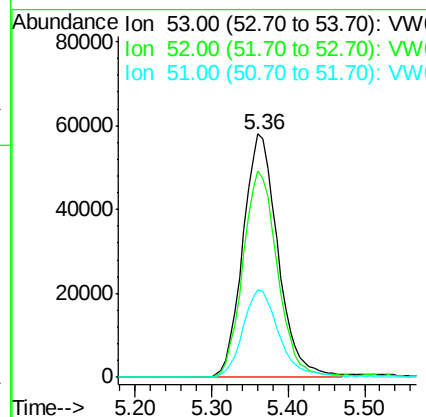
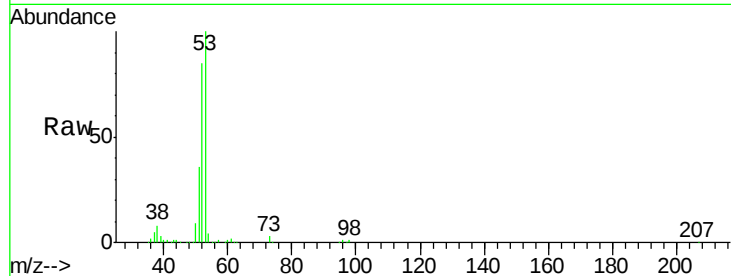
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	184718
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.2	100.8
51	37.0	30.0	45.0

Manual Integrations
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#16

Acetone

Concen: 209.070 ug/l

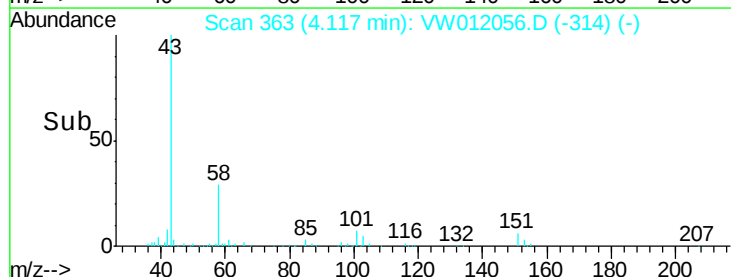
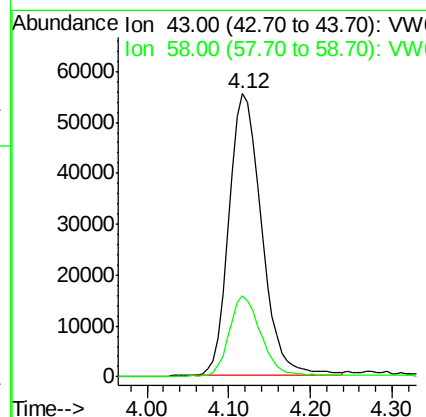
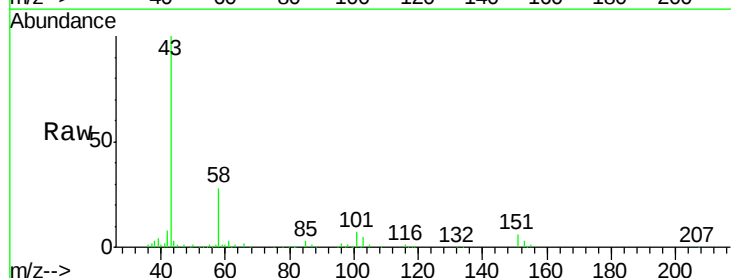
RT: 4.12 min Scan# 363

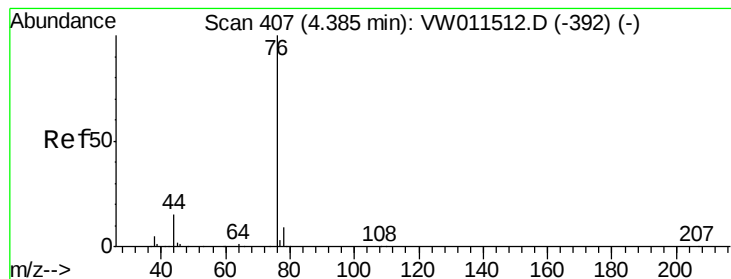
Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion:	43	Resp:	154112
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.3	33.5





#17

Carbon Disulfide

Concen: 45.200 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 297329

Ion Ratio Lower Upper

76 100

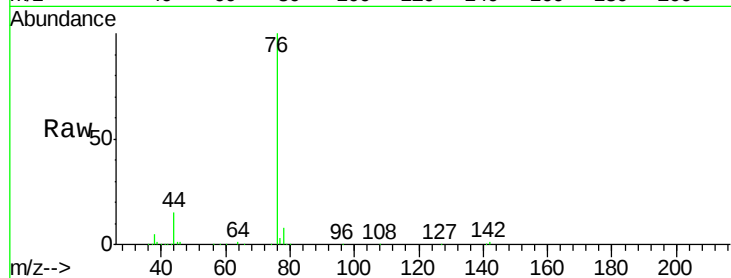
78 8.5 7.1 10.7

Manual Integrations

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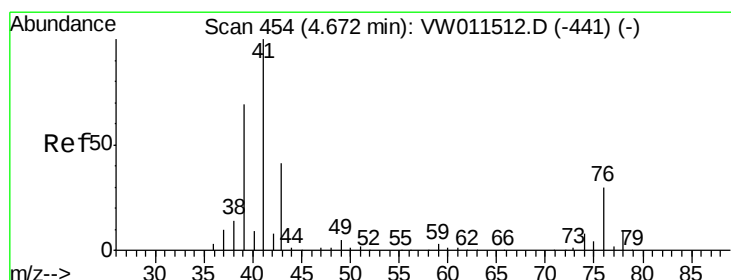
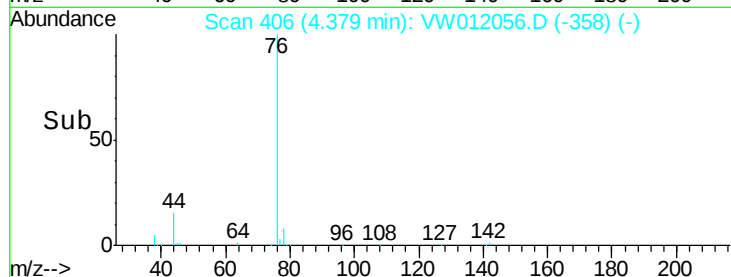
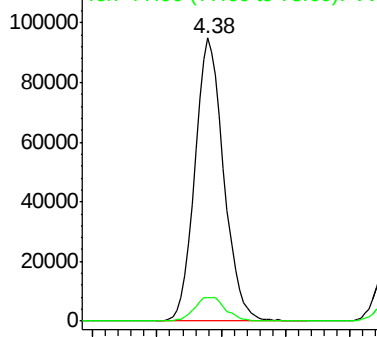
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 64.664 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW012056.D

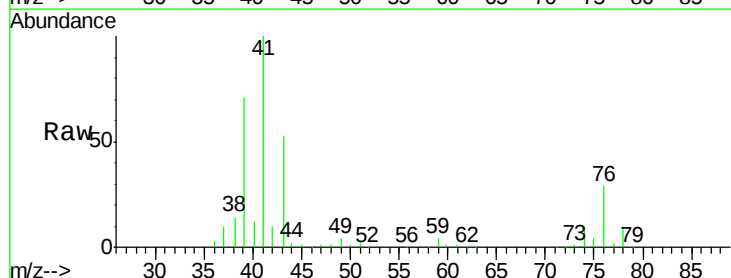
Acq: 21 Aug 2019 02:58

Tgt Ion: 43 Resp: 107080

Ion Ratio Lower Upper

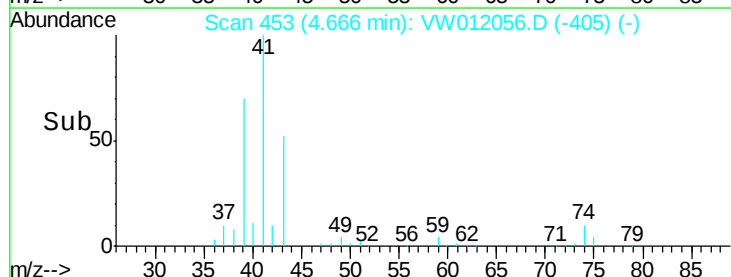
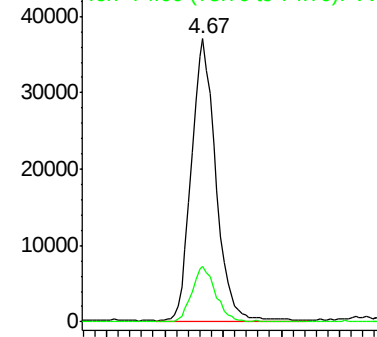
43 100

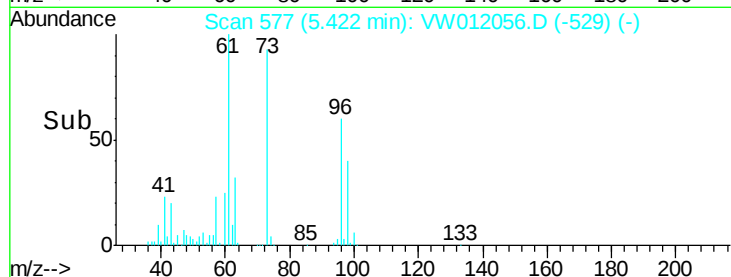
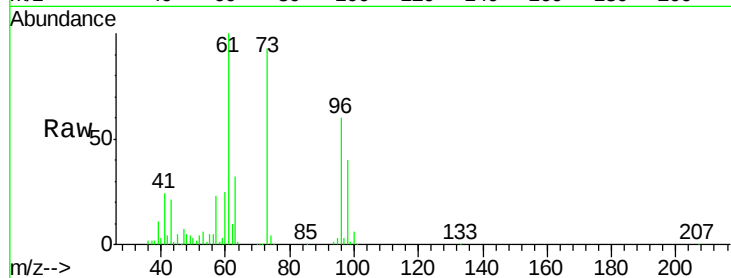
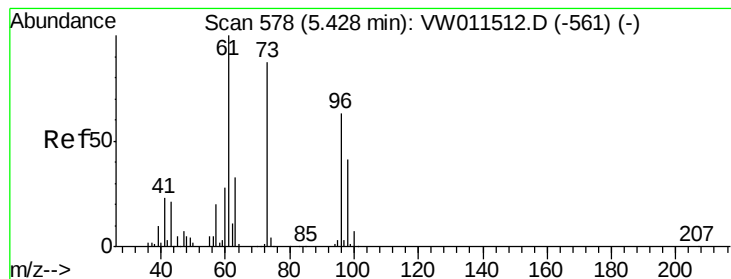
74 19.2 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

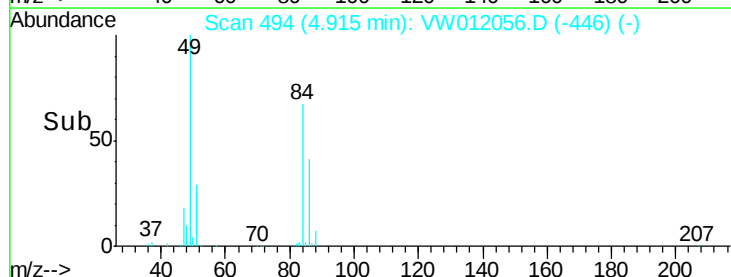
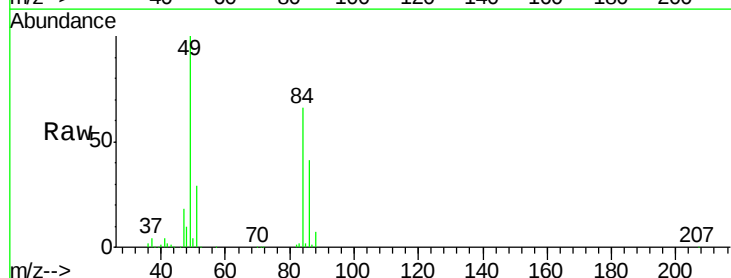
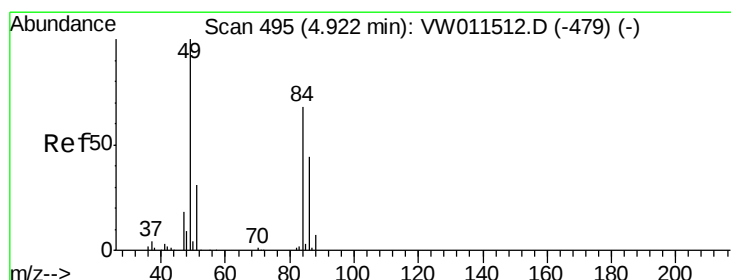
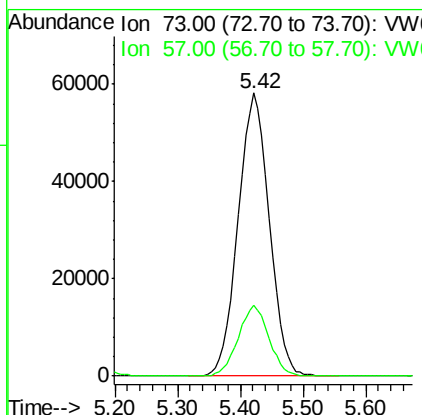
Methyl tert-butyl Ether
 Concen: 59.996 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tot Ion	Ratio	Resp	Lower	Upper
73	100	200100		
57	24.9		18.4	27.6

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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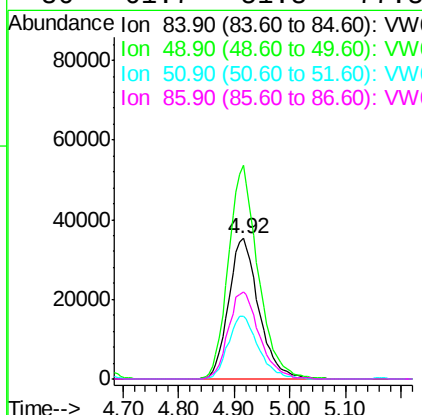
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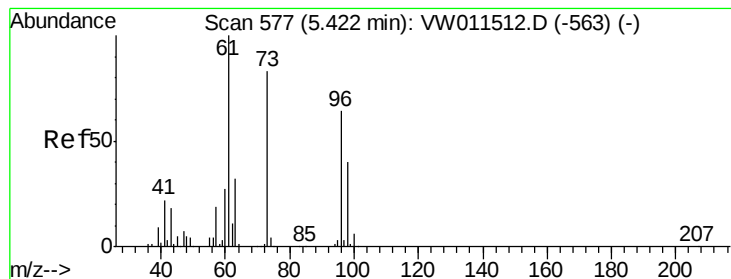


#20

Methylene Chloride
 Concen: 52.190 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	132678		
49	152.0		117.8	176.6
51	44.4		37.0	55.4
86	61.7		51.8	77.8





#21

trans-1,2-Dichloroethene

Concen: 52.352 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

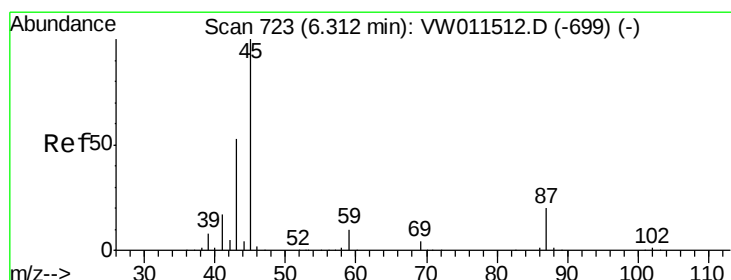
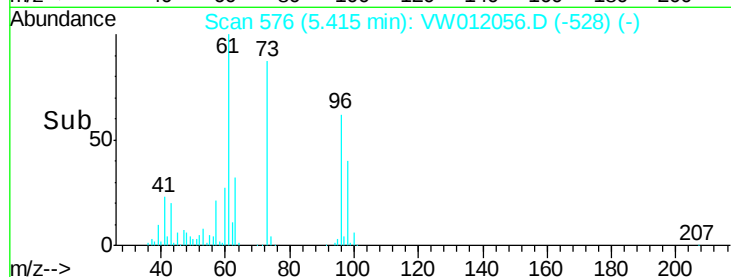
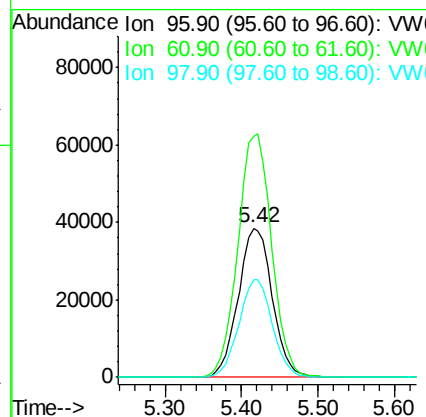
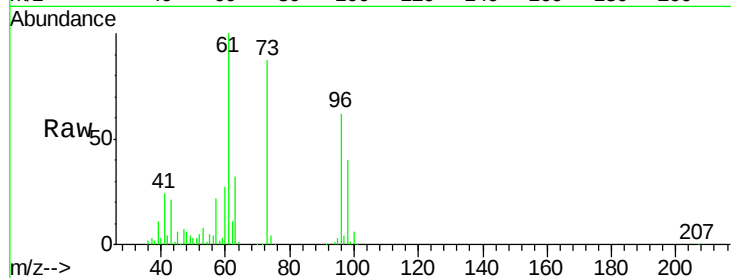
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	118624
Ion	Ratio	Lower	Upper
96	100		
61	161.6	125.7	188.5
98	65.3	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 57.025 ug/l

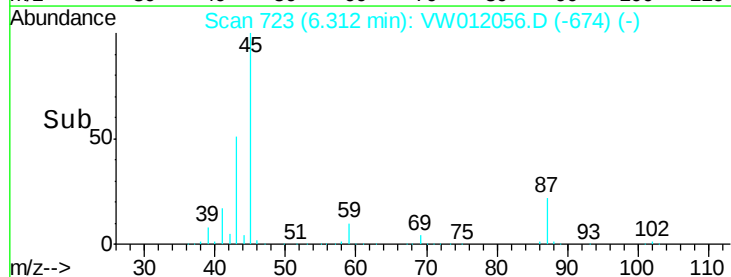
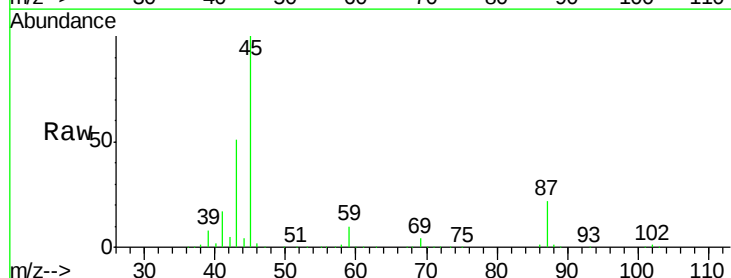
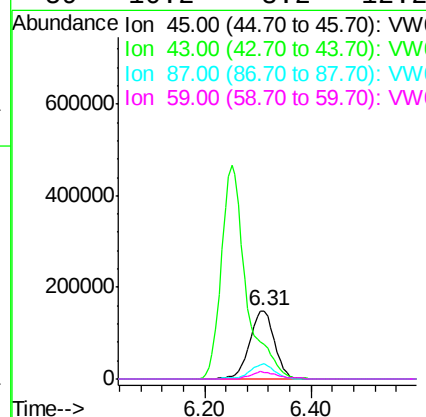
RT: 6.31 min Scan# 723

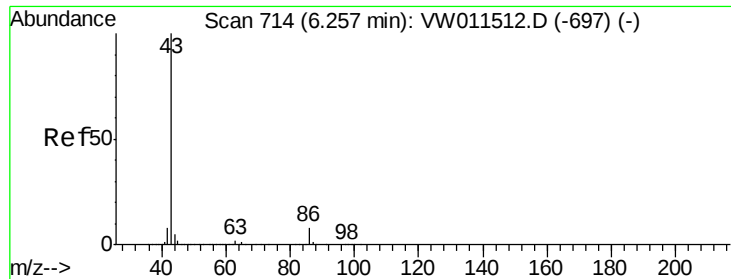
Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion:	45	Resp:	480600
Ion	Ratio	Lower	Upper
45	100		
43	50.6	42.6	63.8
87	21.8	16.4	24.6
59	10.2	8.2	12.2





#23

Vinyl Acetate

Concen: 287.166 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 1520755

Ion Ratio Lower Upper

43 100

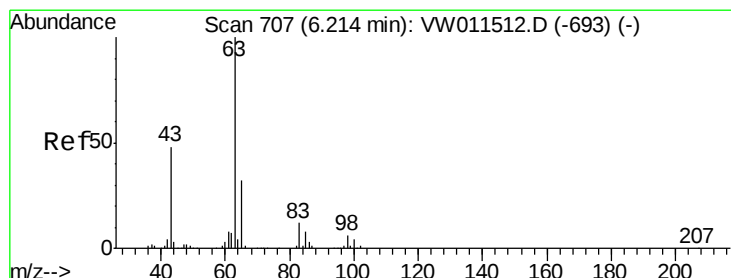
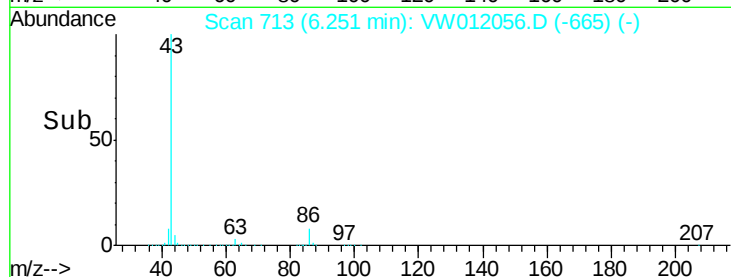
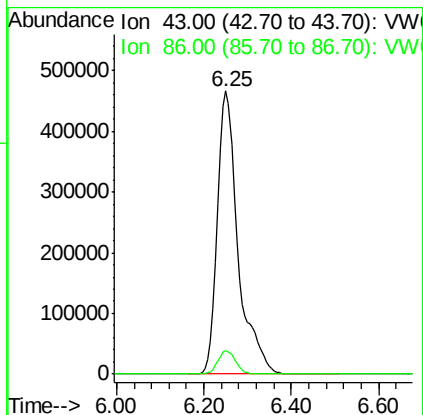
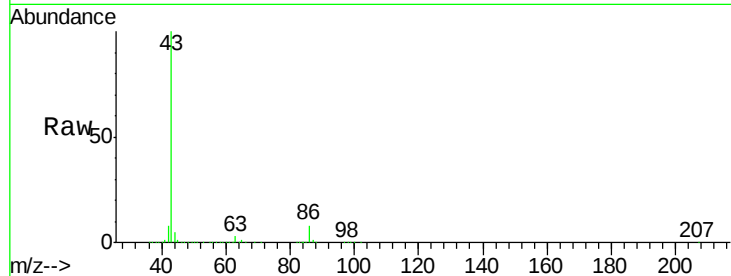
86 8.4 6.5 9.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 55.352 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

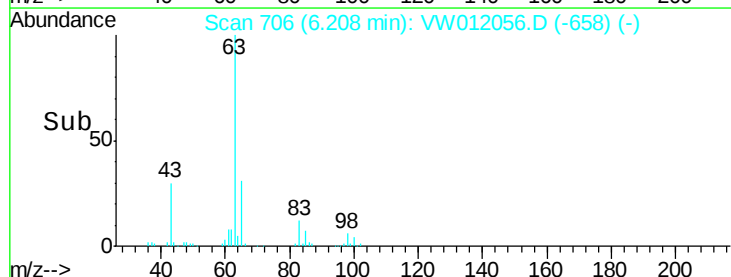
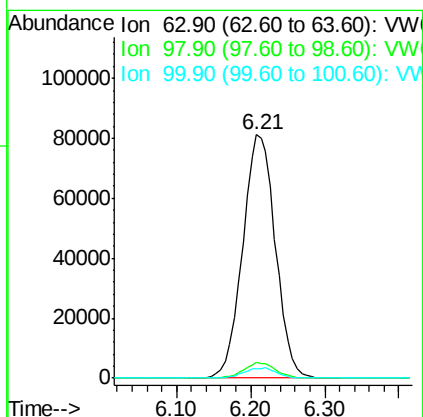
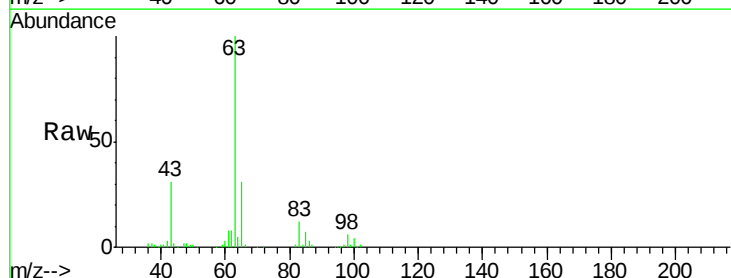
Tgt Ion: 63 Resp: 249845

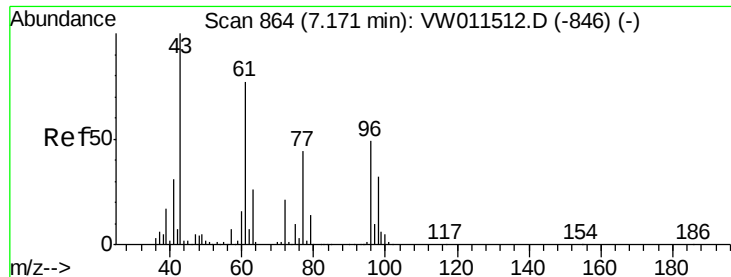
Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

100 3.9 2.1 6.3





#25

2-Butanone

Concen: 275.061 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 265312

Ion Ratio Lower Upper

43 100

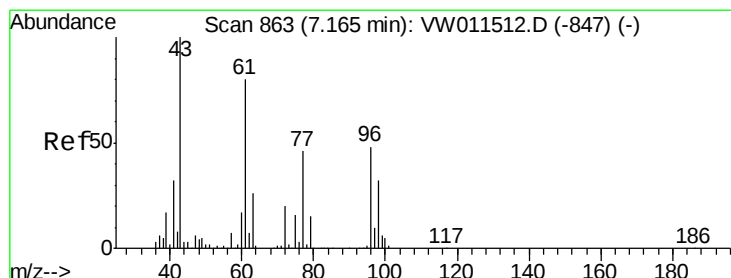
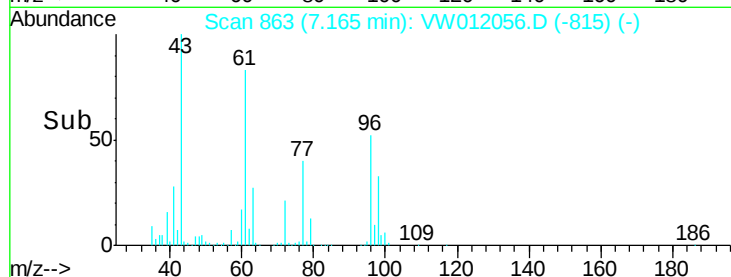
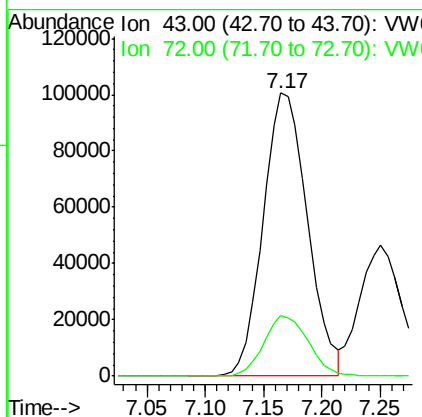
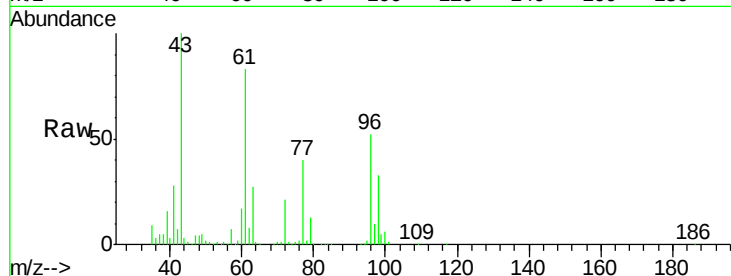
72 21.4 16.6 24.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 41.845 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW012056.D

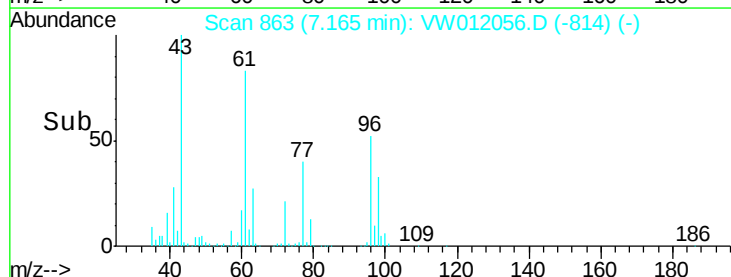
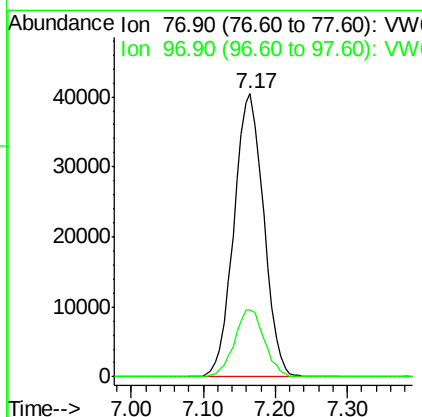
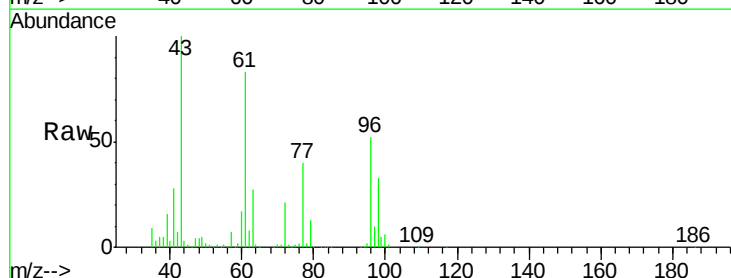
Acq: 21 Aug 2019 02:58

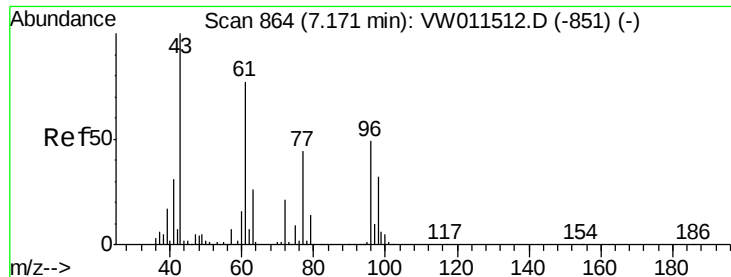
Tgt Ion: 77 Resp: 116158

Ion Ratio Lower Upper

77 100

97 24.0 10.8 32.4





#27

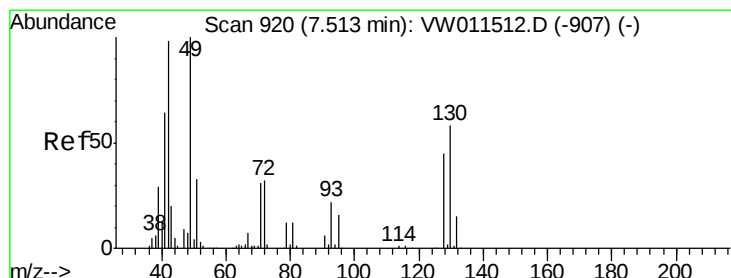
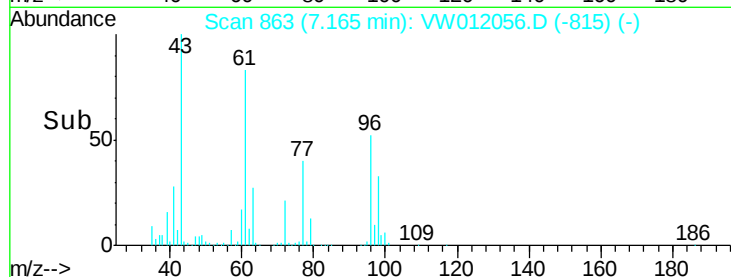
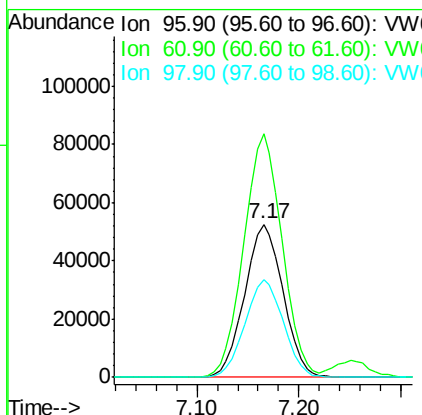
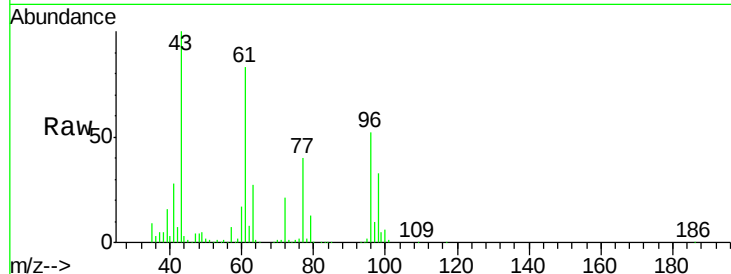
cis-1,2-Dichloroethene
Concen: 55.228 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	328.4
98	63.6	0.0	128.8

Manual Integrations
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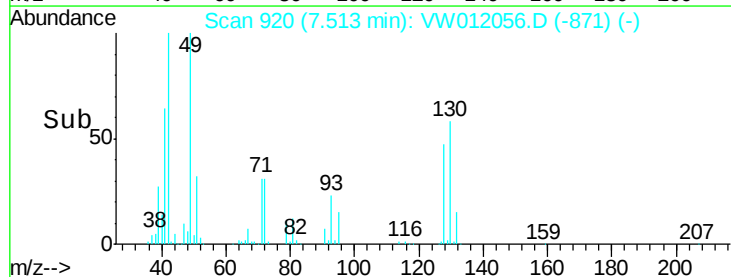
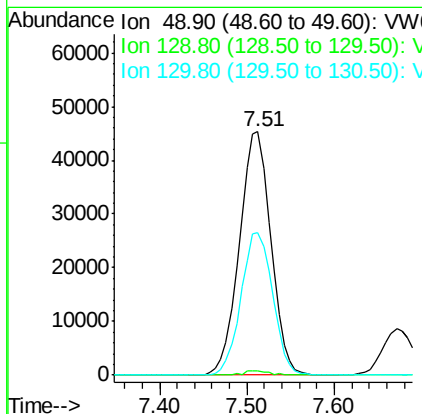
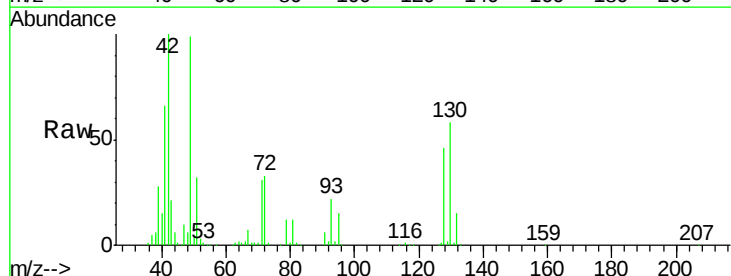
MMDadoda
8/21/2019 8:30:08 AM

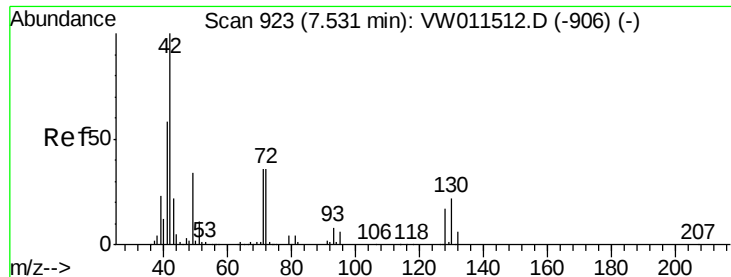


#28

Bromochloromethane
Concen: 56.707 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.0#
130	58.7	46.3	69.5





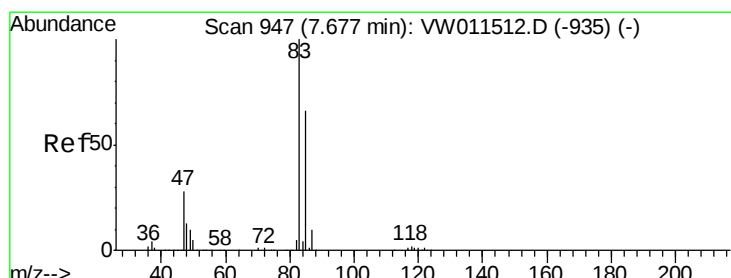
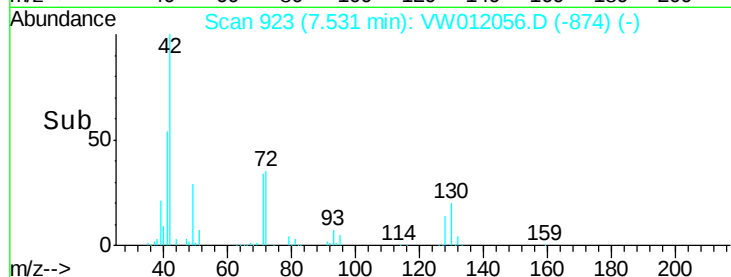
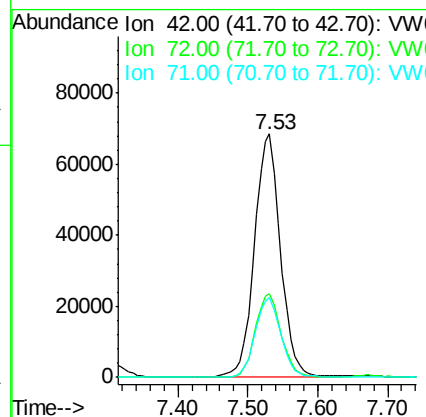
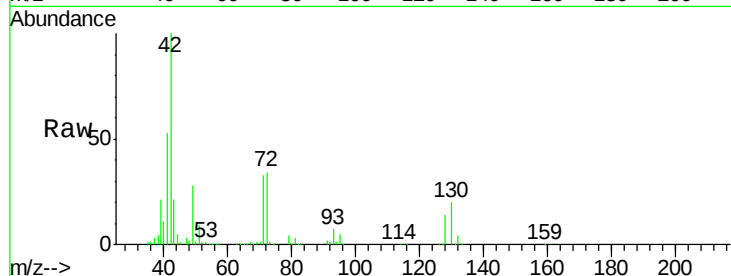
#29
Tetrahydrofuran
Concen: 321.662 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.1	27.1	40.7
71	32.4	26.2	39.4

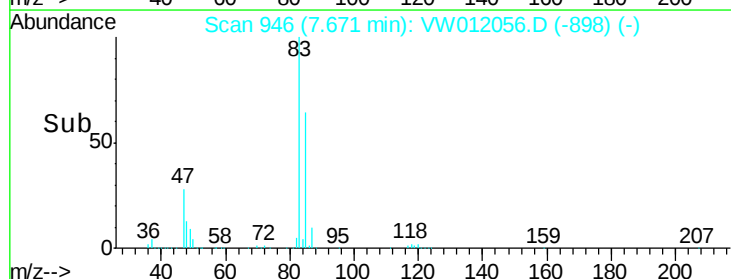
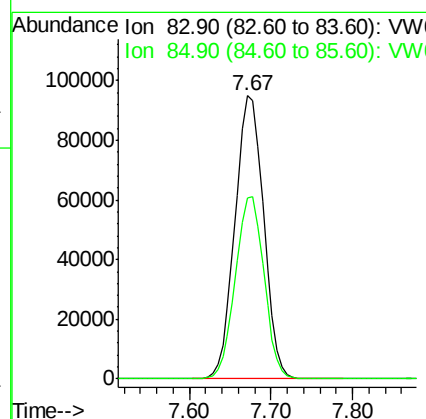
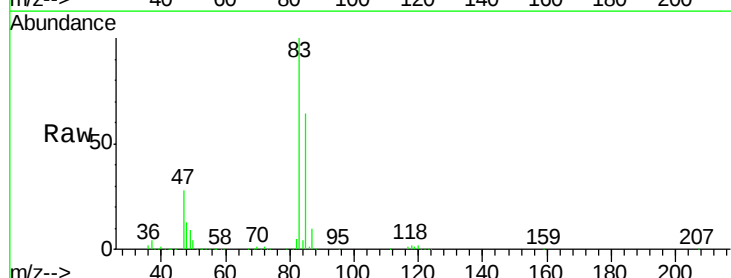
Manual Integrations
APPROVED

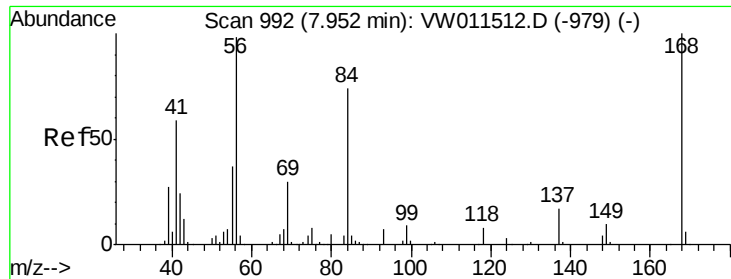
MMDadoda
8/21/2019 8:30:08 AM



#30
Chloroform
Concen: 55.404 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.5	78.7





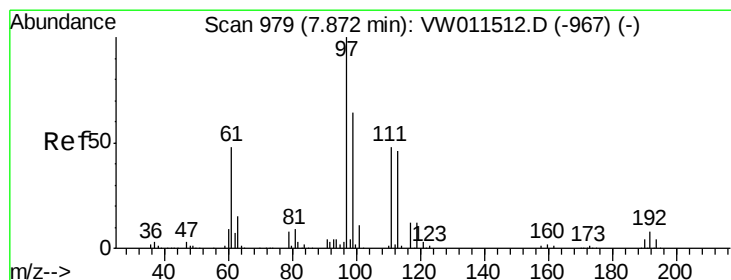
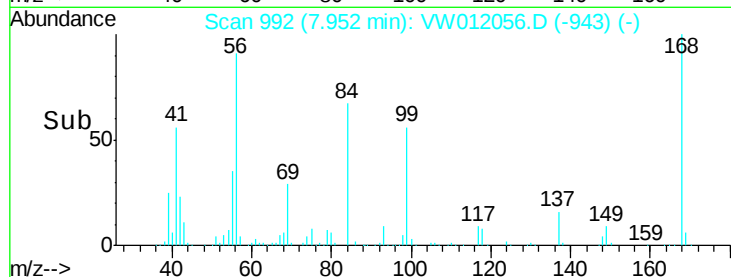
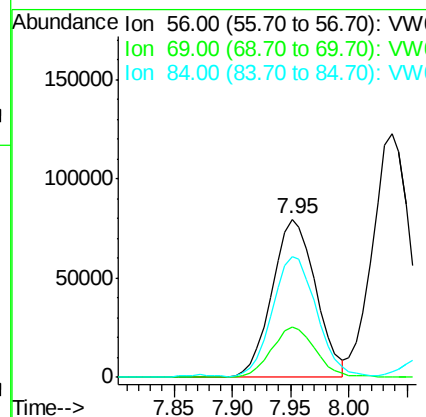
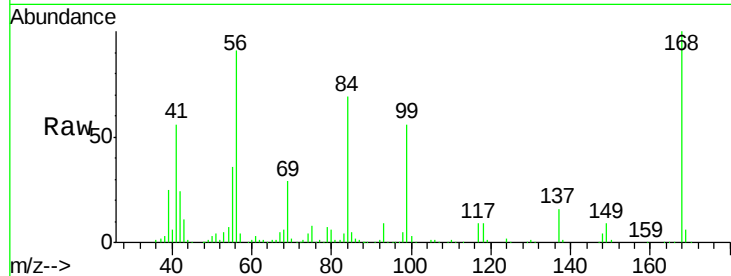
#31
Cyclohexane
Concen: 47.927 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	24.3	36.5
84	74.9	60.4	90.6

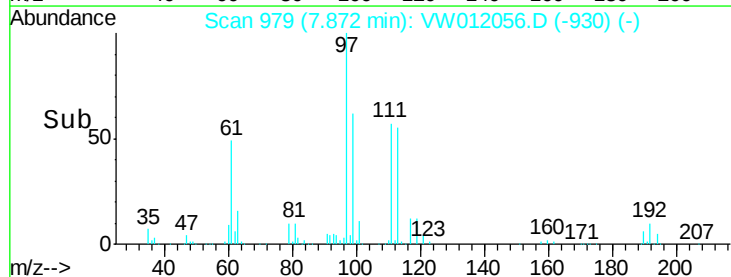
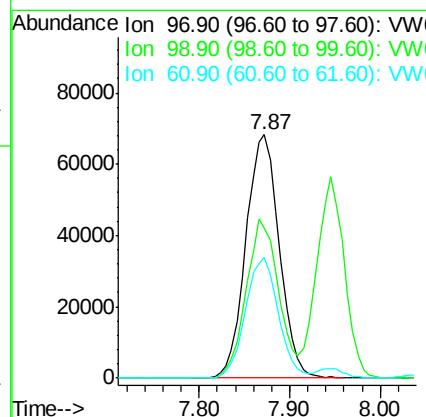
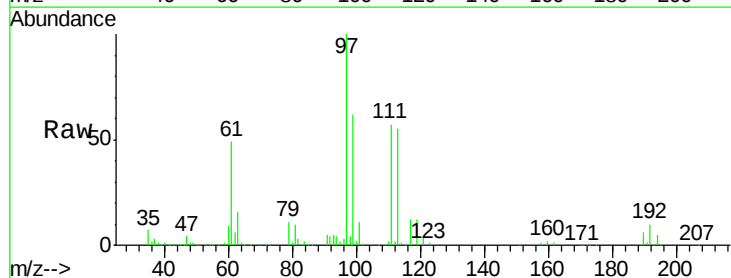
Manual Integrations
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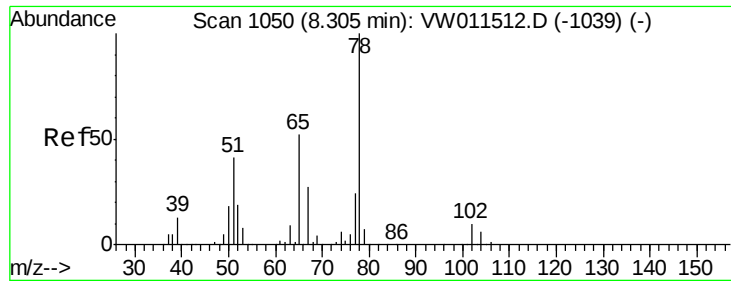
MMDadoda
8/21/2019 8:30:08 AM



#32
1,1,1-Trichloroethane
Concen: 54.899 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	48.8	39.8	59.6





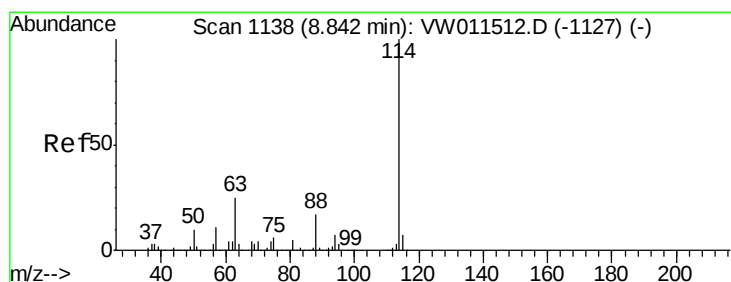
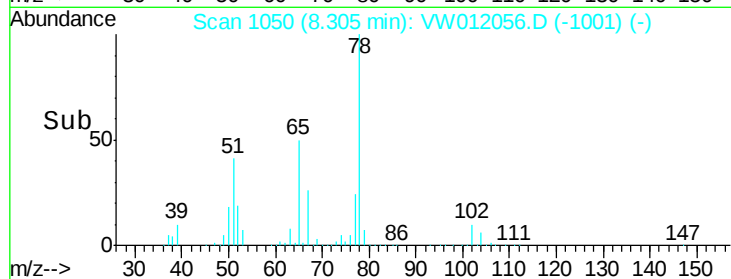
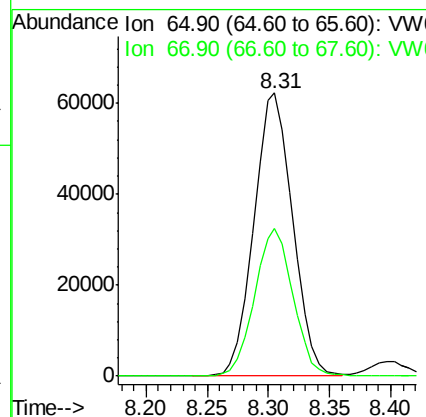
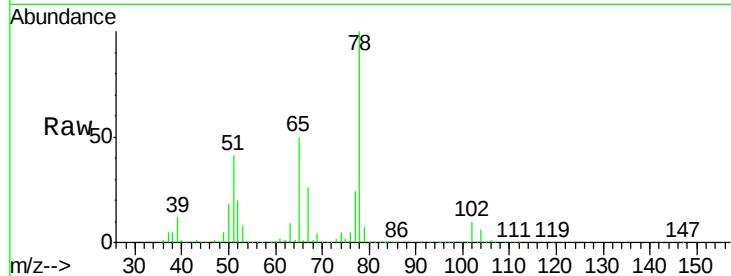
#33
 1,2-Dichloroethane-d4
 Concen: 59.192 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	137166		
67	51.3	0.0	105.2	

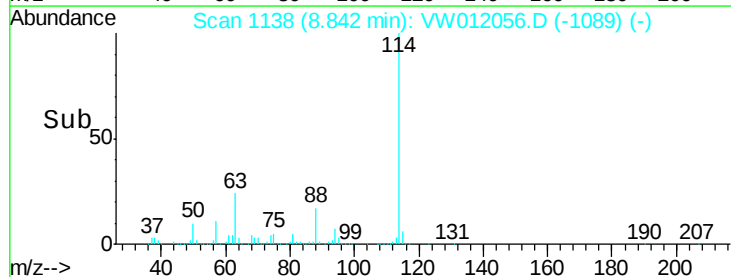
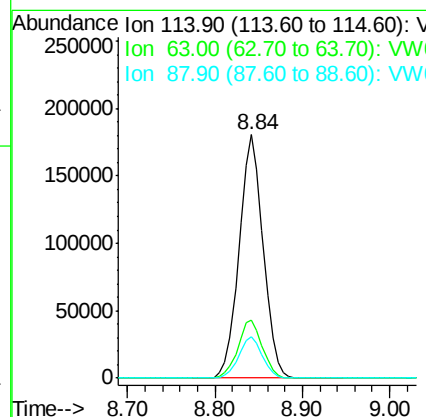
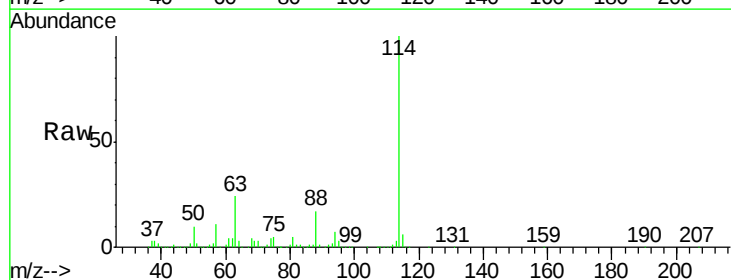
Manual Integrations
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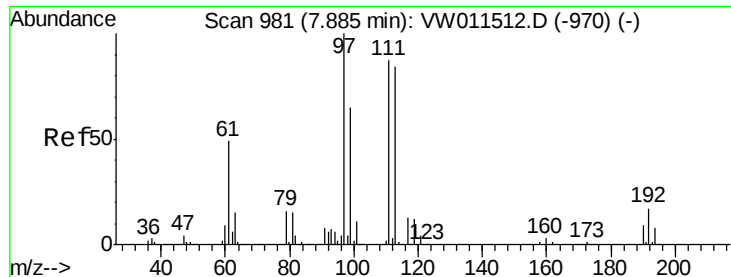
MMDadoda
 8/21/2019 8:30:08 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	344359		
63	23.7	0.0	49.2	
88	17.0	0.0	33.8	





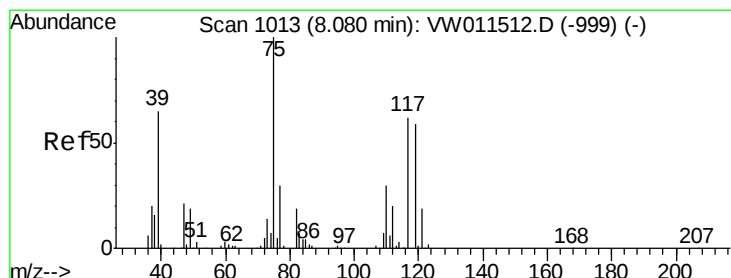
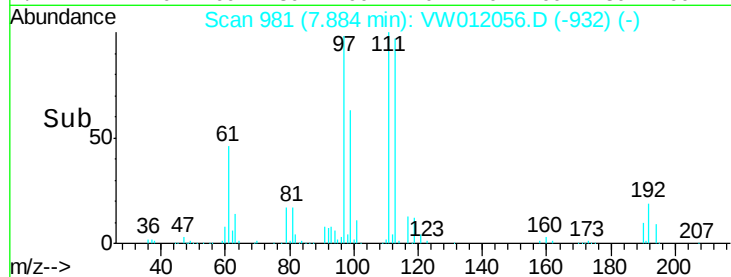
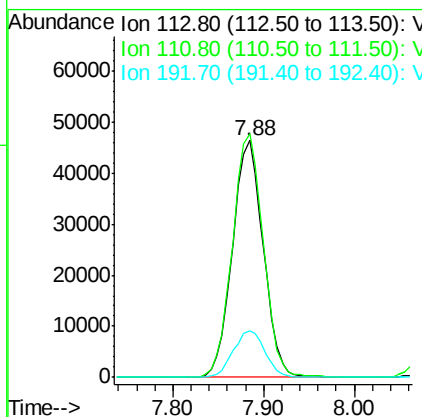
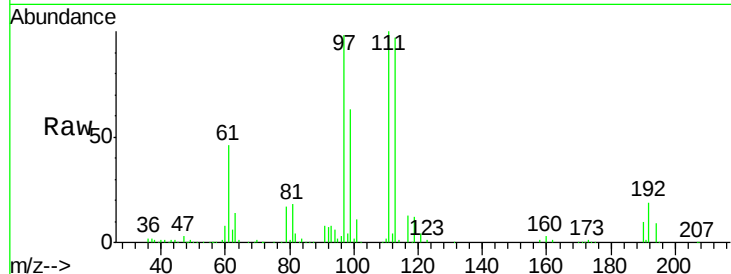
#35
 Dibromofluoromethane
 Concen: 56.365 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108892		
111	103.6	82.7	124.1	
192	20.3	16.1	24.1	

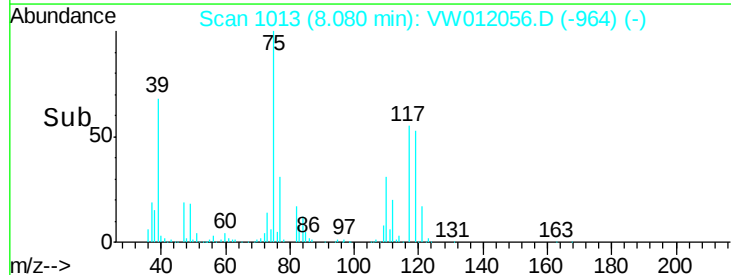
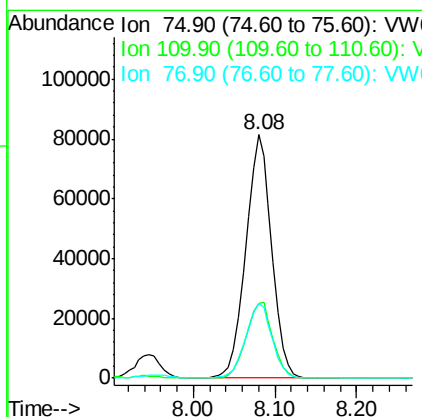
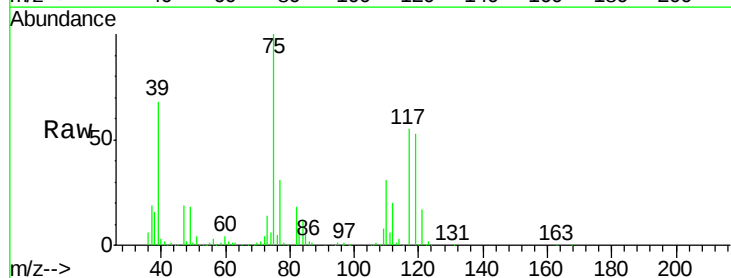
Manual Integrations
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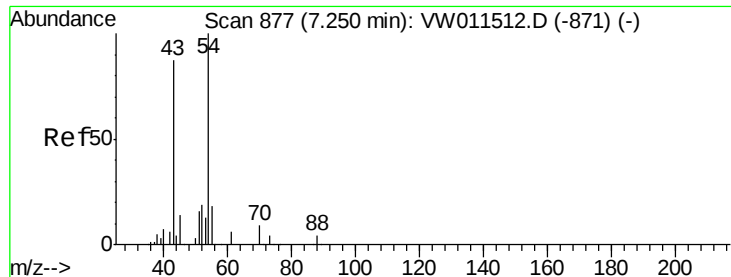
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#36
 1,1-Dichloropropene
 Concen: 49.979 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	178961		
110	32.0	15.6	46.8	
77	31.3	24.3	36.5	





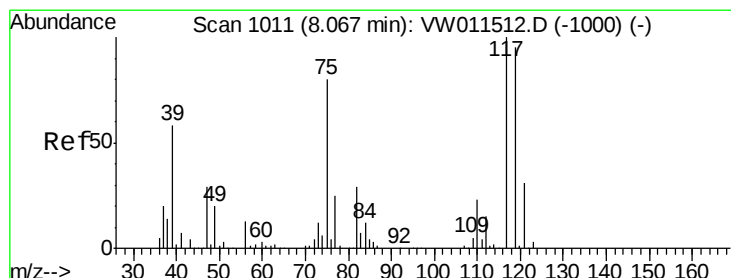
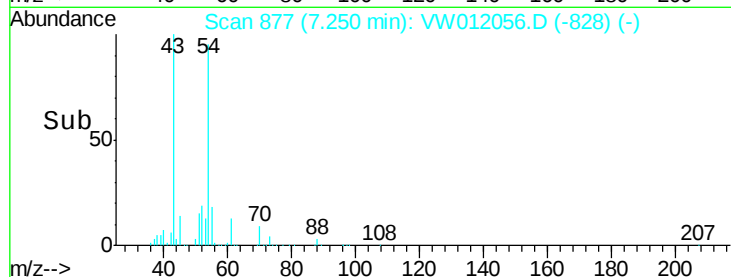
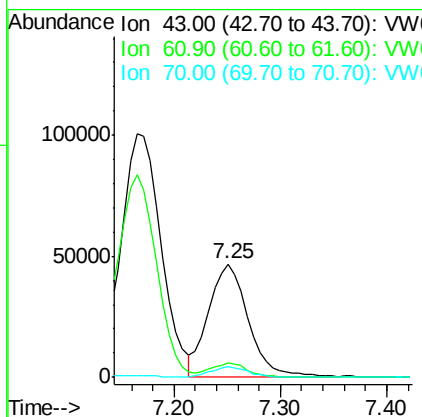
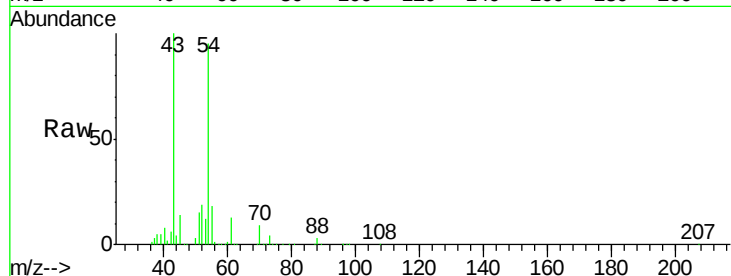
#37
Ethyl Acetate
Concen: 57.836 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	8.8	13.2
70	9.2	7.1	10.7

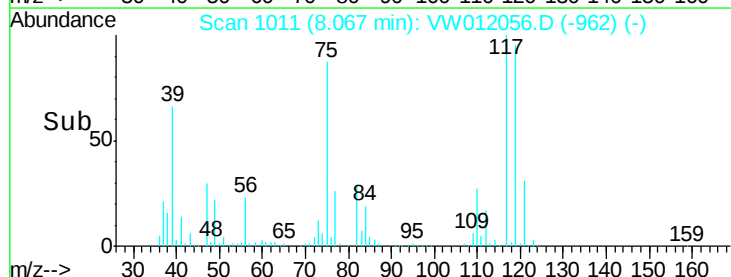
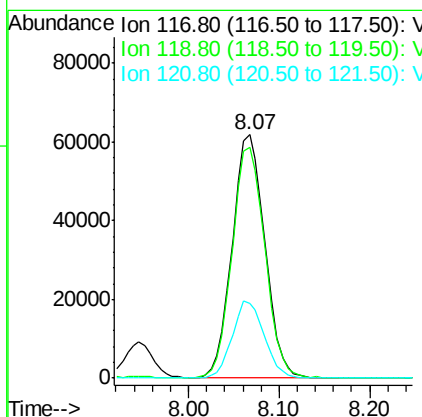
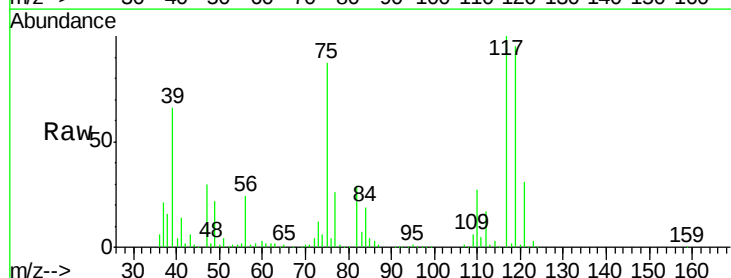
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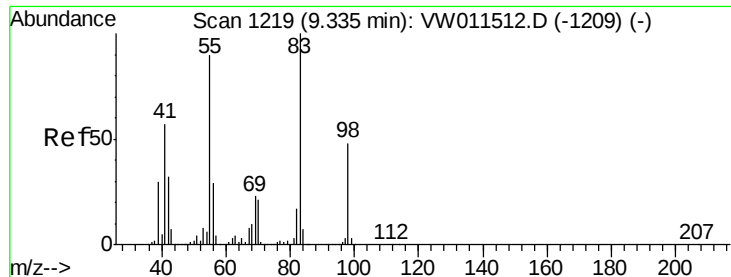
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#38
Carbon Tetrachloride
Concen: 50.462 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.6
121	30.9	24.7	37.1





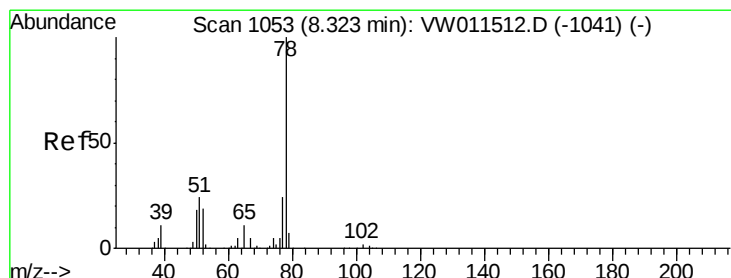
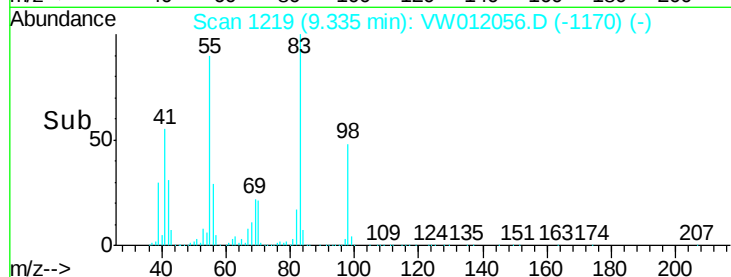
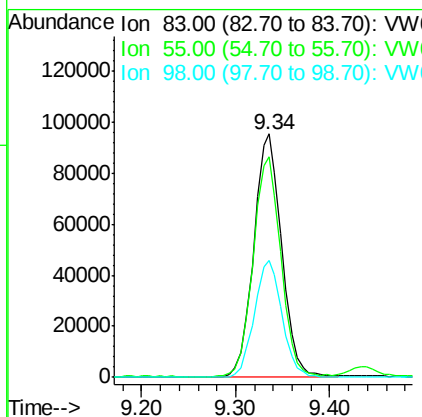
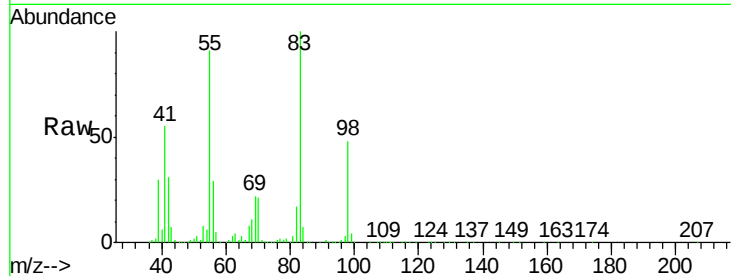
#39
Methvlcvclohexane
Concen: 50.180 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	197847
Ion Ratio	Lower	Upper	
83	100		
55	90.4	72.1	108.1
98	48.3	38.6	57.8

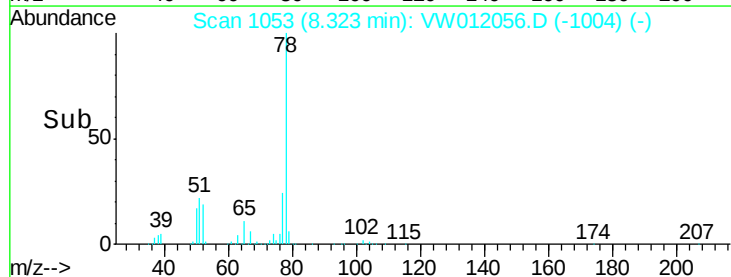
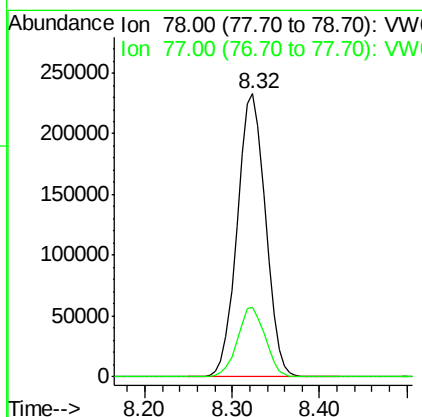
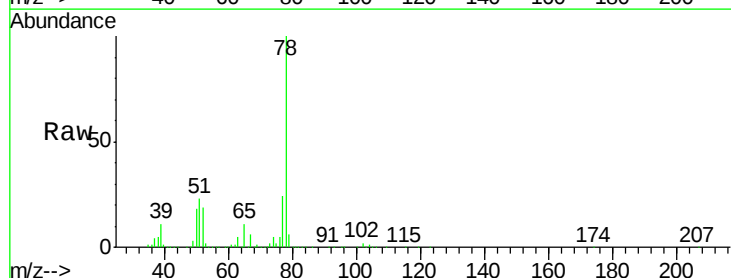
Manual Integrations
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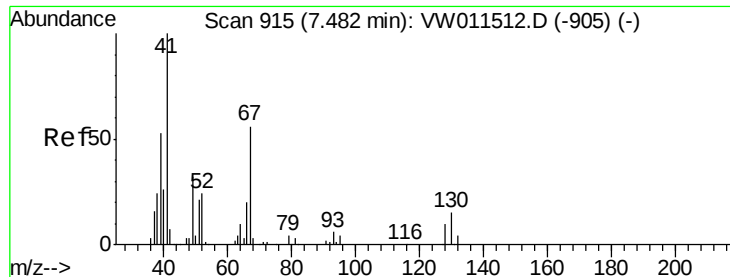
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#40
Benzene
Concen: 52.133 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	78	Resp	522882
Ion Ratio	Lower	Upper	
78	100		
77	24.4	19.4	29.0





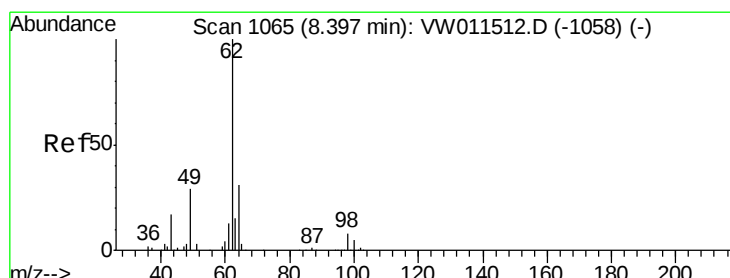
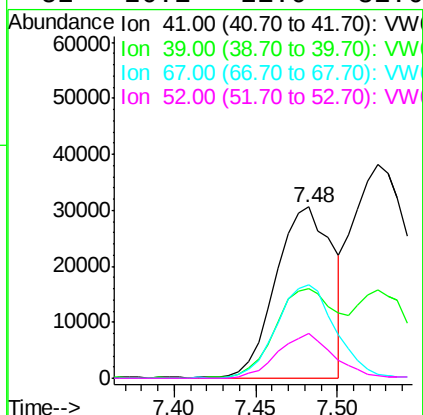
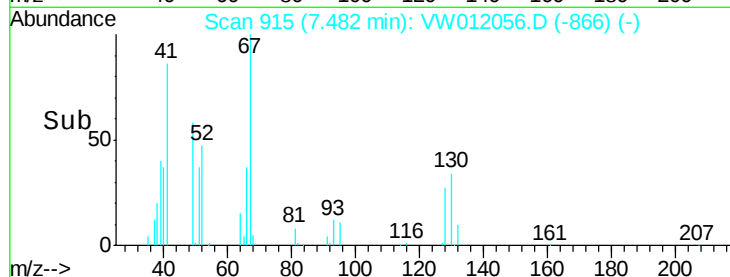
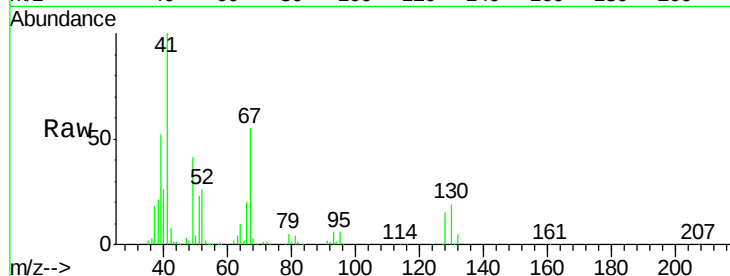
#41
Methacrylonitrile
Concen: 59.866 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
73722	41	100		
	39	58.5	43.0	64.4
	67	57.7	47.5	71.3
	52	26.1	21.0	31.6

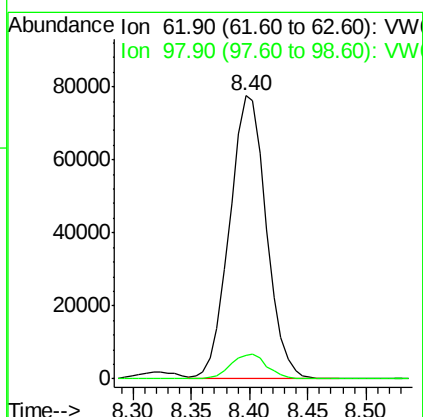
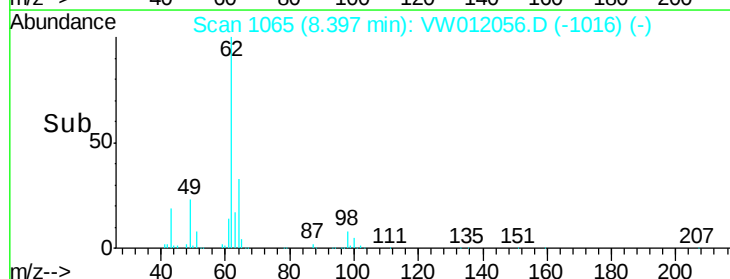
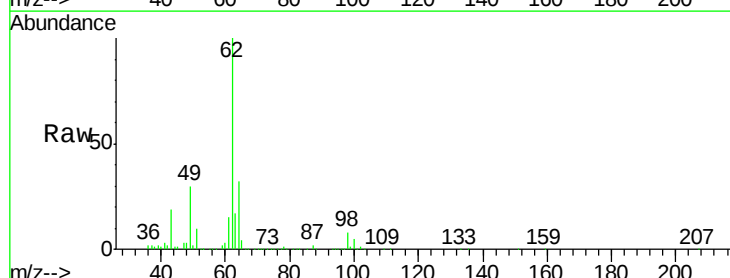
Manual Integrations
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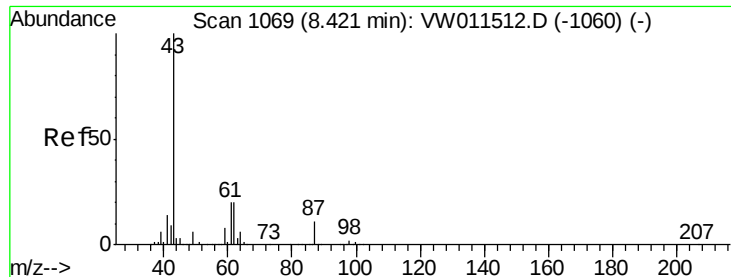
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#42
1,2-Dichloroethane
Concen: 54.287 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ion	Ratio	Lower	Upper
170472	62	100		
	98	8.8	0.0	16.8





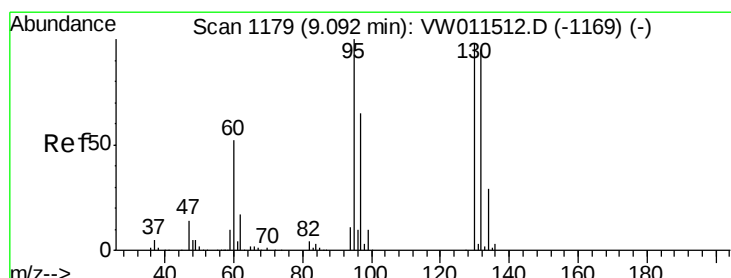
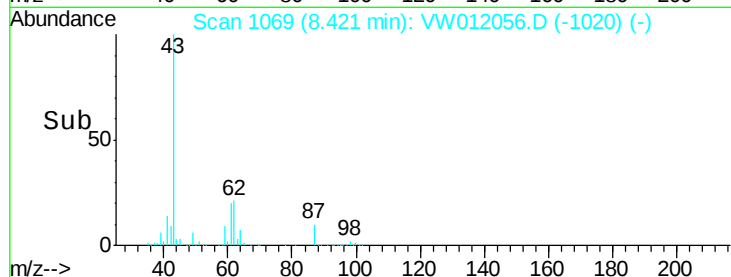
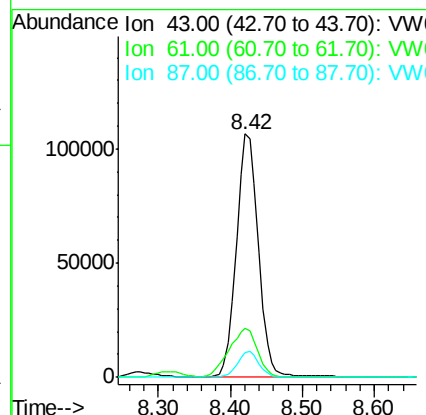
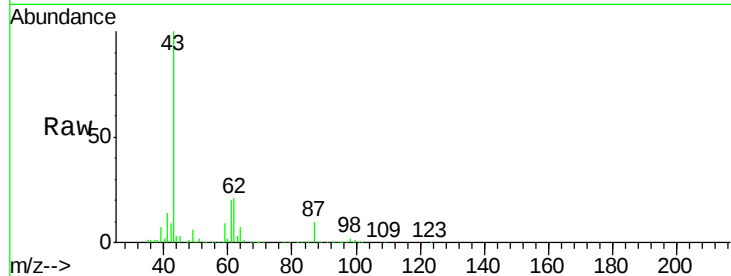
#43
Isopropyl Acetate
Concen: 59.356 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	224878
Ion	Ratio	Lower	Upper
43	100		
61	26.2	21.5	32.3
87	10.4	8.4	12.6

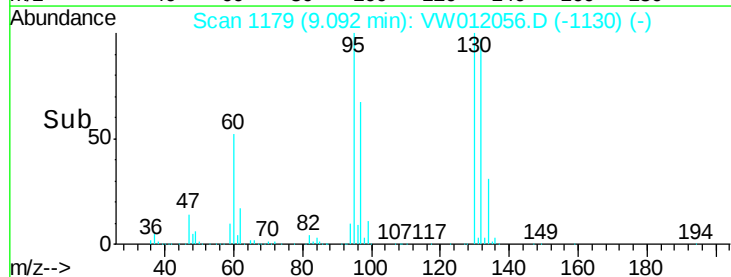
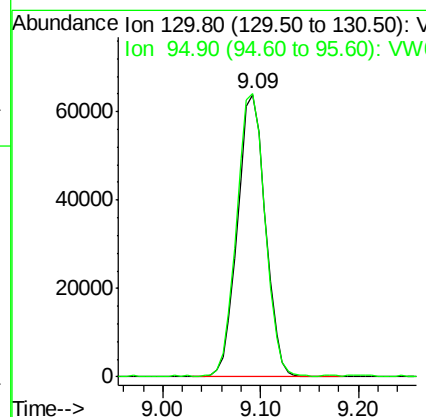
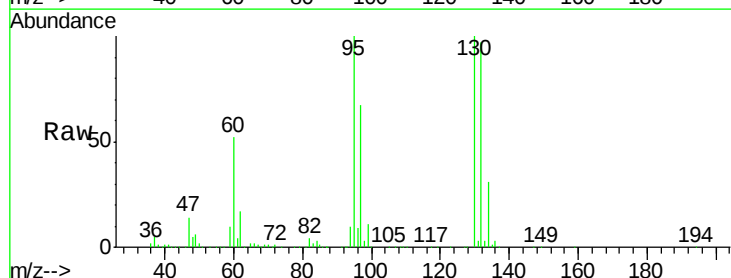
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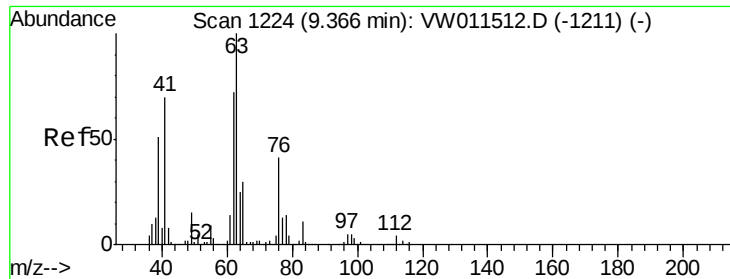
MMDadoda
8/21/2019 8:30:08 AM



#44
Trichloroethene
Concen: 52.611 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion:	130	Resp:	126825
Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	204.8





#45

1,2-Dichloropropane

Concen: 54.408 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 146010

Ion Ratio Lower Upper

63 100

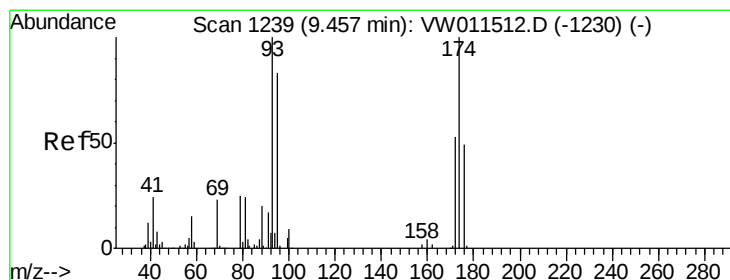
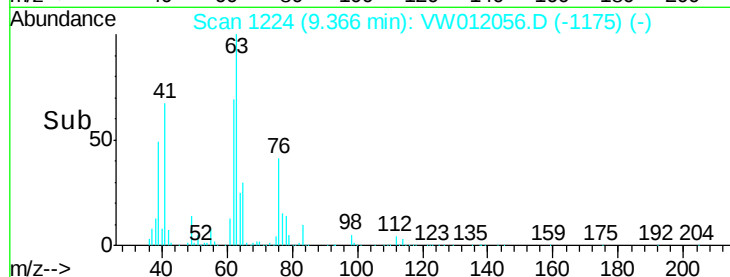
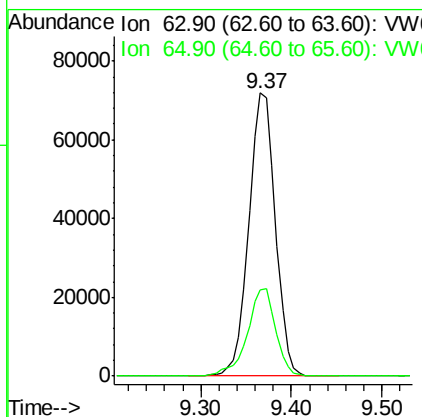
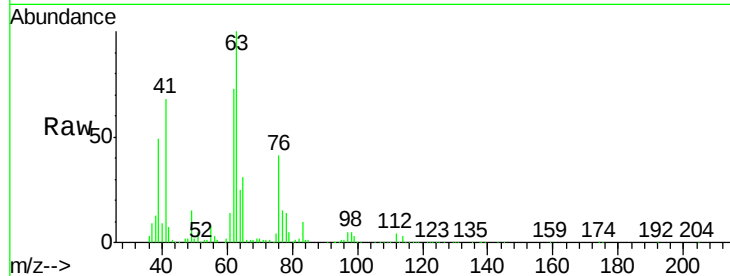
65 30.5 24.2 36.4

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#46

Dibromomethane

Concen: 54.939 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

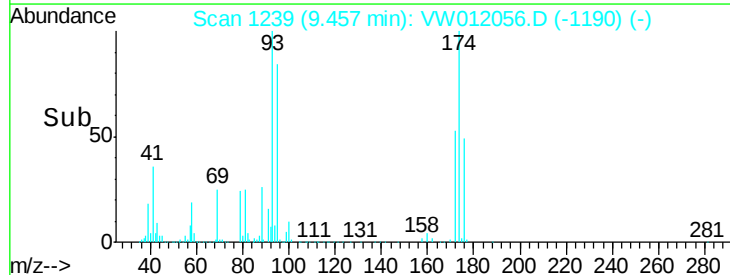
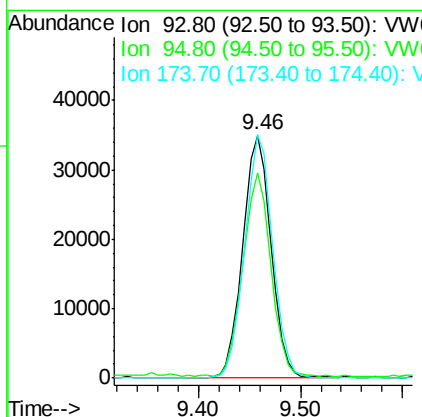
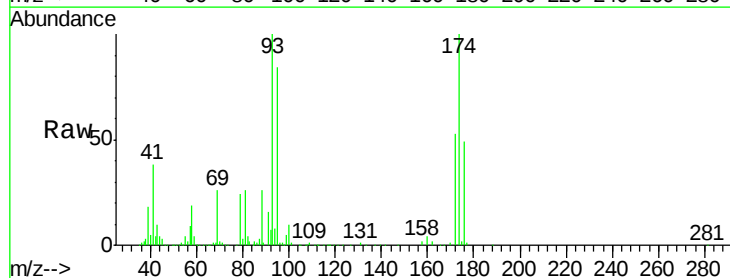
Tgt Ion: 93 Resp: 67292

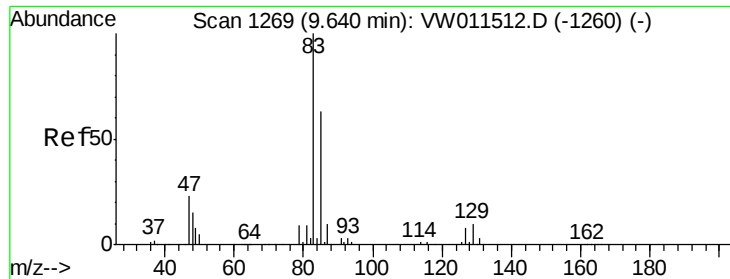
Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.2

174 99.9 78.2 117.4





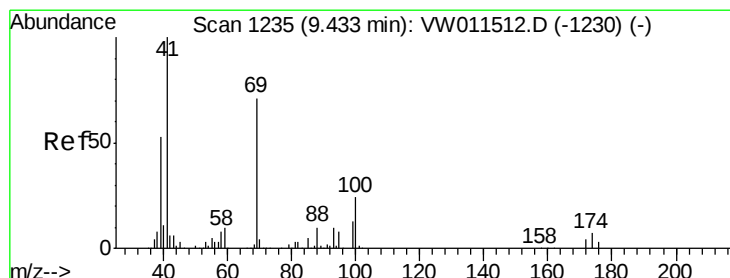
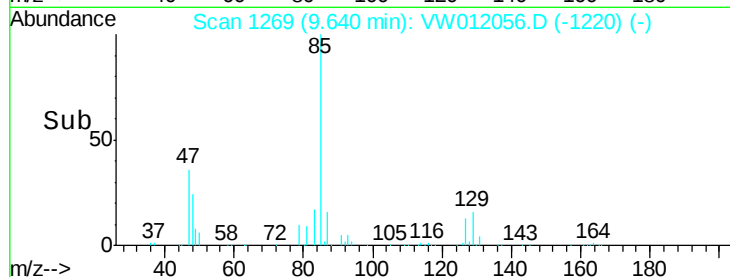
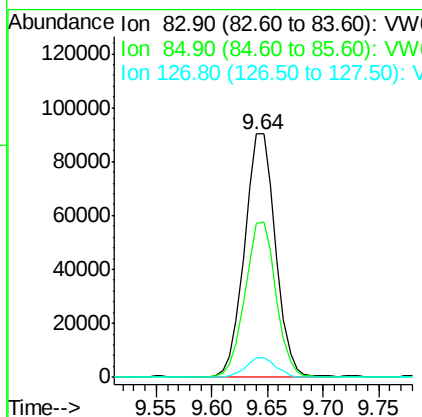
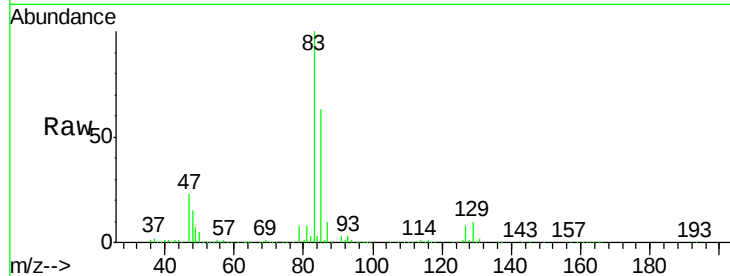
#47
Bromodichloromethane
Concen: 54.040 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	173629
Ion Ratio	100	Lower	Upper
83	100		
85	63.1	50.5	75.7
127	8.3	6.4	9.6

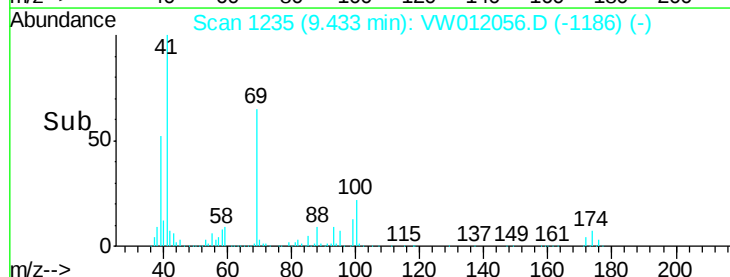
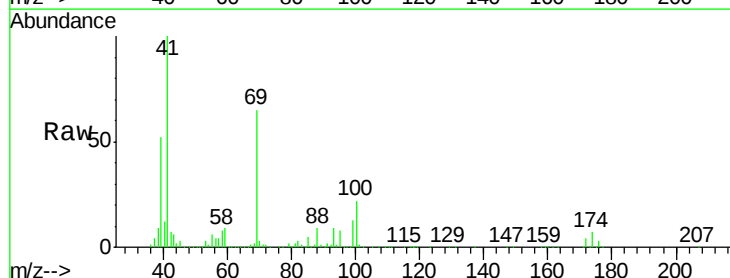
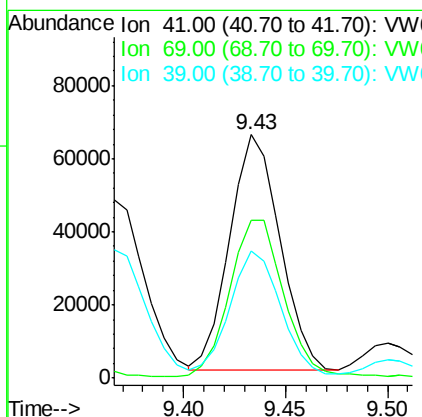
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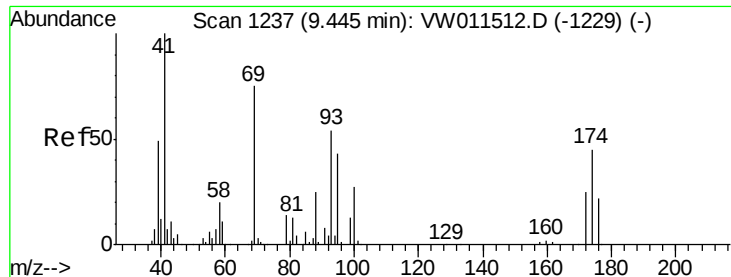
MMDadoda
8/21/2019 8:30:08 AM



#48
Methyl methacrylate
Concen: 60.429 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	41	Resp	109975
Ion Ratio	100	Lower	Upper
41	100		
69	72.0	57.1	85.7
39	56.0	45.4	68.2





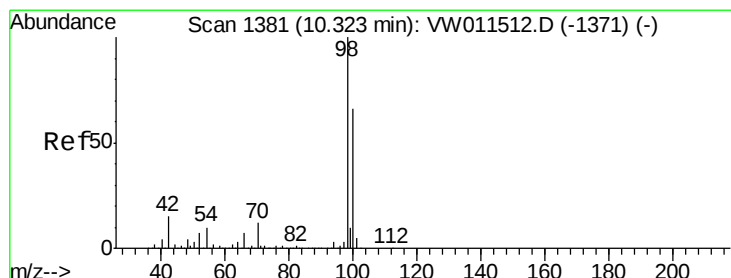
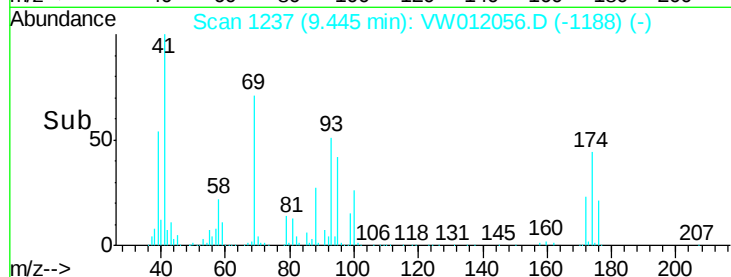
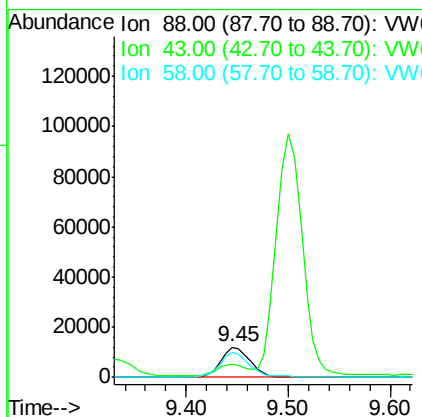
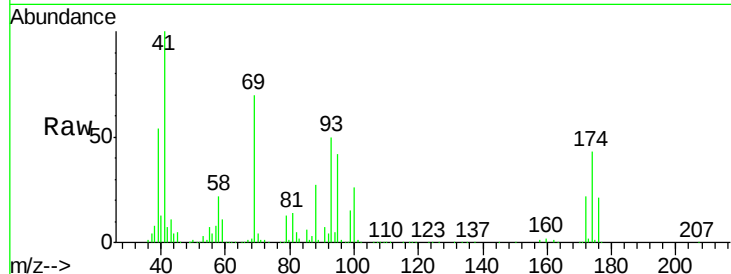
#49
1,4-Dioxane
Concen: 1357.359 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 24073
Ion Ratio Lower Upper
88 100
43 40.1 34.0 51.0
58 86.7 69.7 104.5

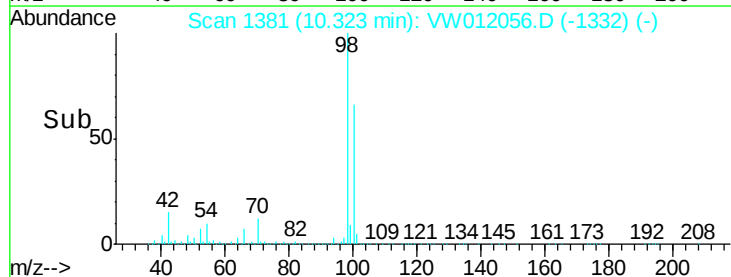
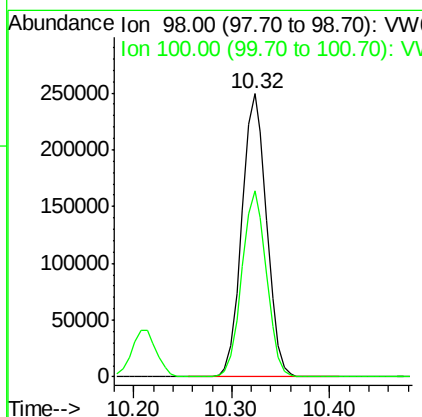
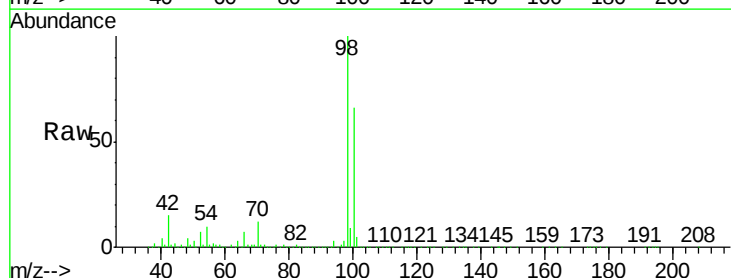
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#50
Toluene-d8
Concen: 55.022 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 98 Resp: 435218
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 305.320 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 601681

Ion Ratio Lower Upper

43 100

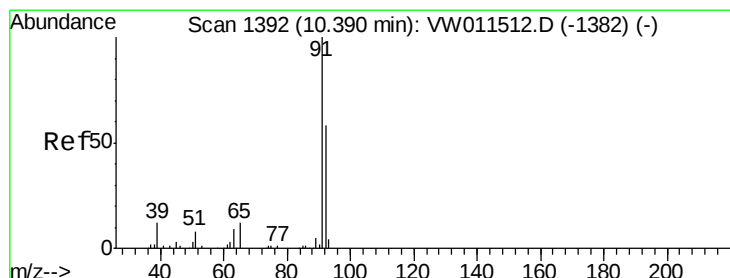
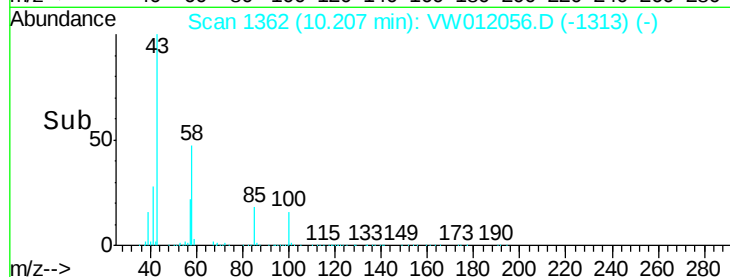
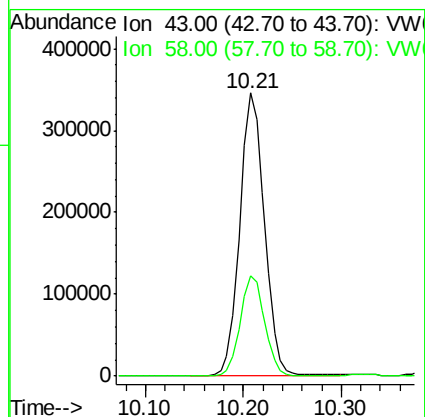
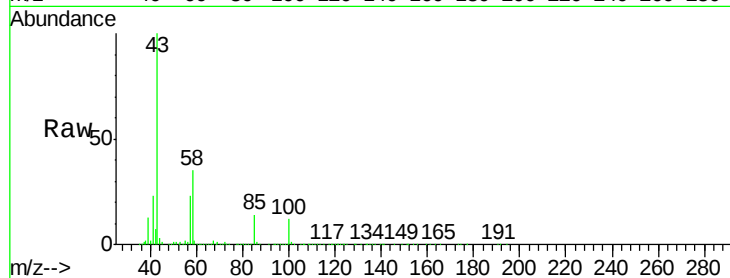
58 35.5 28.2 42.2

Manual Integrations

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#52

Toluene

Concen: 53.098 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW012056.D

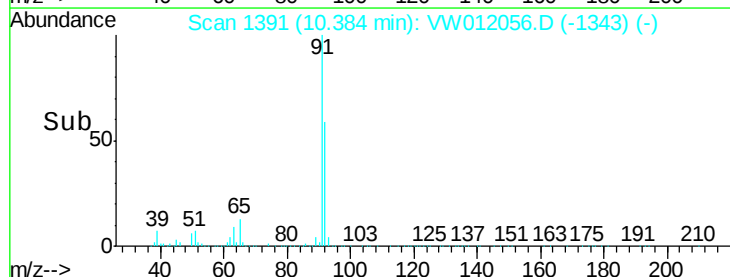
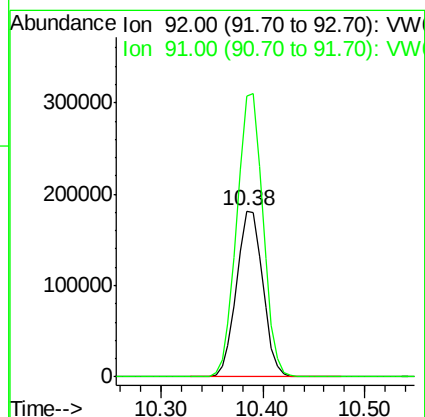
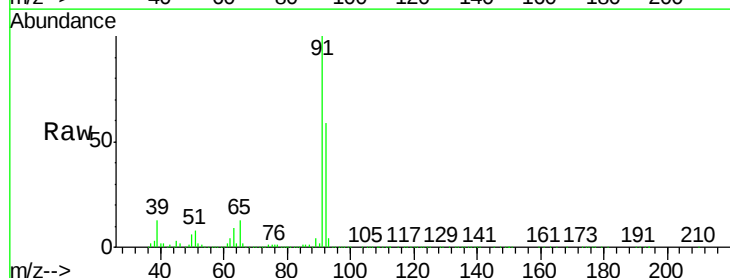
Acq: 21 Aug 2019 02:58

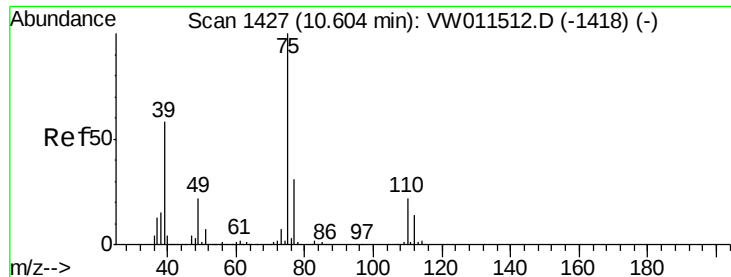
Tgt Ion: 92 Resp: 321610

Ion Ratio Lower Upper

92 100

91 170.4 136.7 205.1





#53

t-1,3-Dichloropropene

Concen: 53.484 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 179508

Ion Ratio Lower Upper

75 100

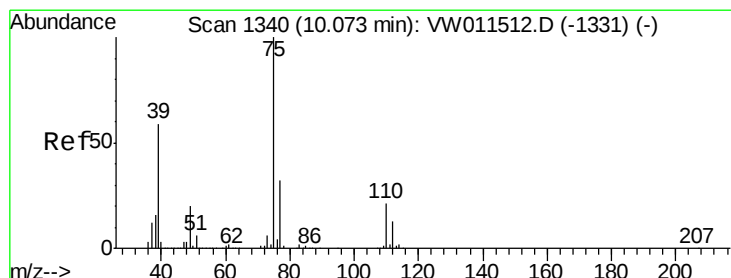
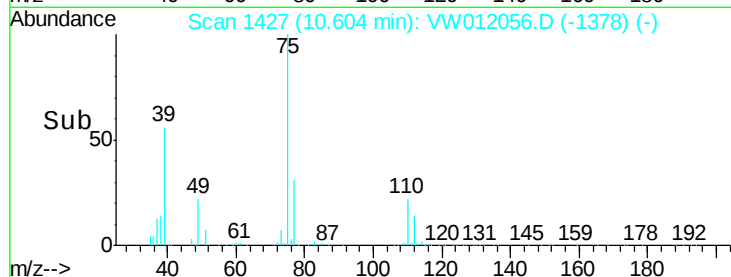
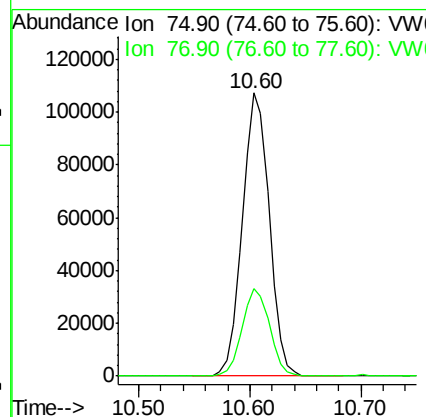
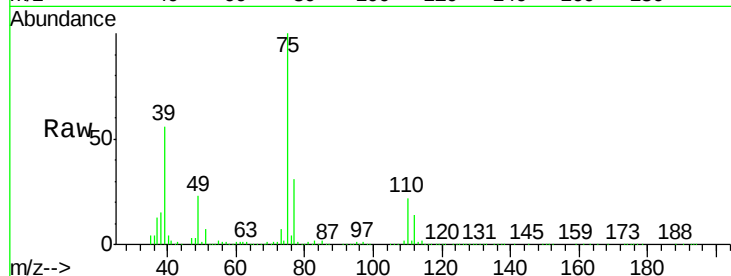
77 30.7 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.797 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

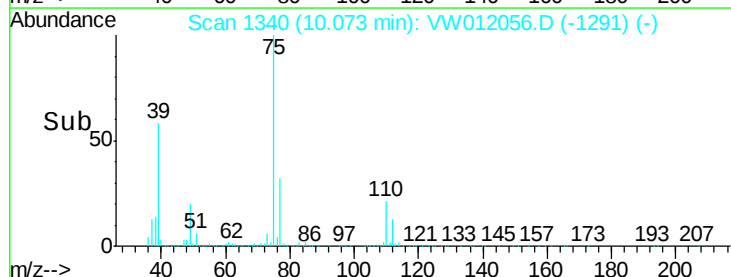
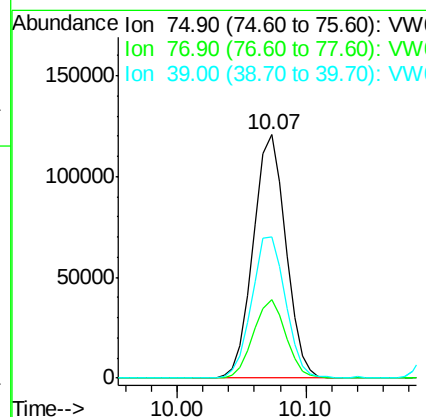
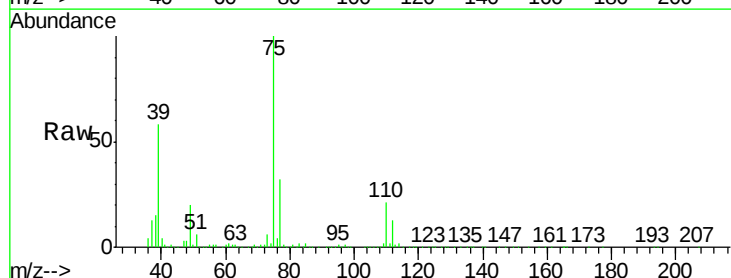
Tgt Ion: 75 Resp: 210693

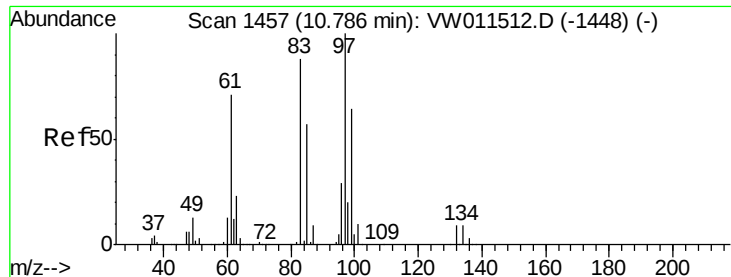
Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4

39 58.0 47.0 70.4





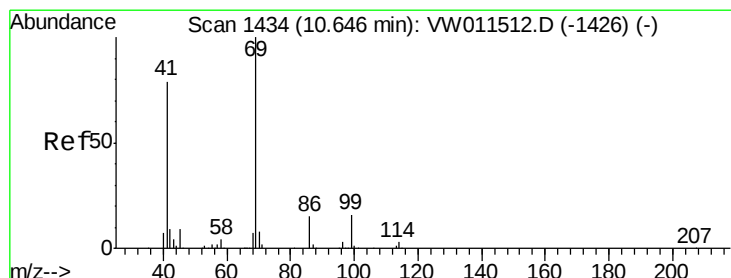
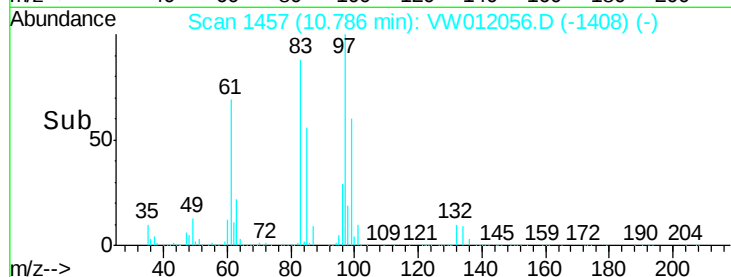
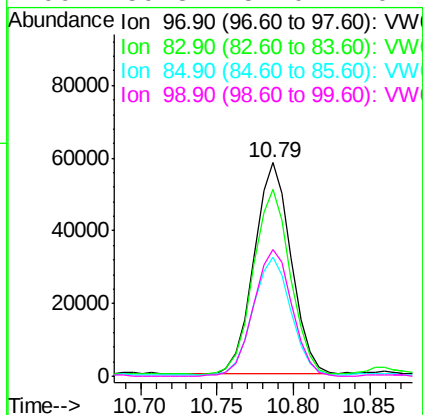
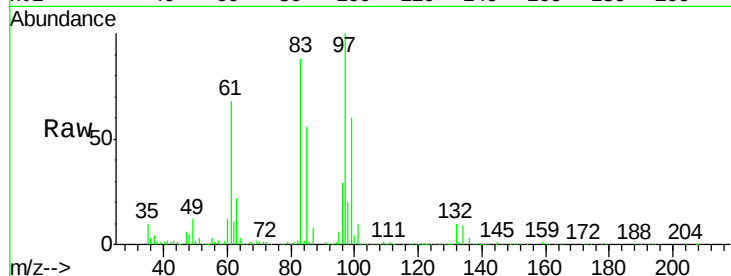
#55
 1,1,2-Trichloroethane
 Concen: 56.687 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	98516
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.5	105.7
85	55.8	45.8	68.6
99	59.8	51.0	76.4

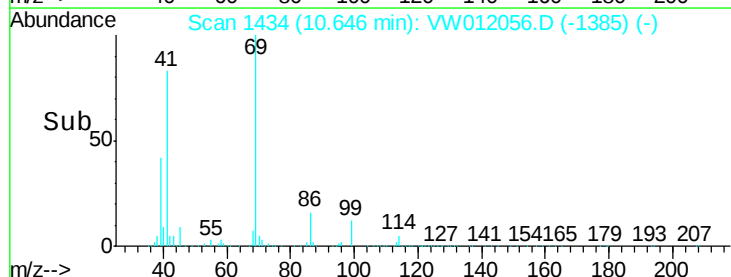
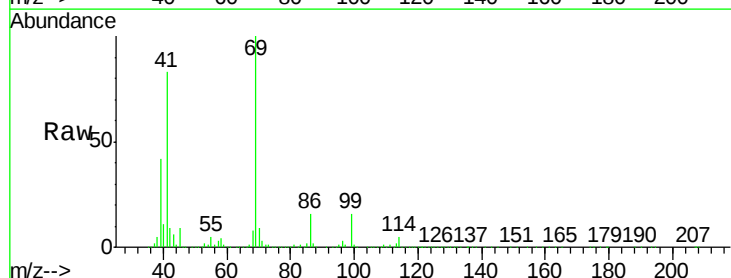
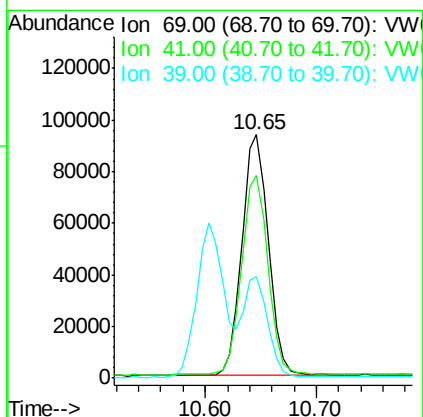
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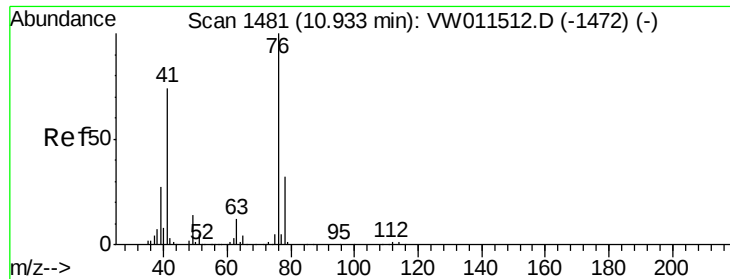
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#56
 Ethyl methacrylate
 Concen: 60.734 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion:	69	Resp:	154453
Ion	Ratio	Lower	Upper
69	100		
41	83.8	66.6	99.8
39	37.4	30.3	45.5





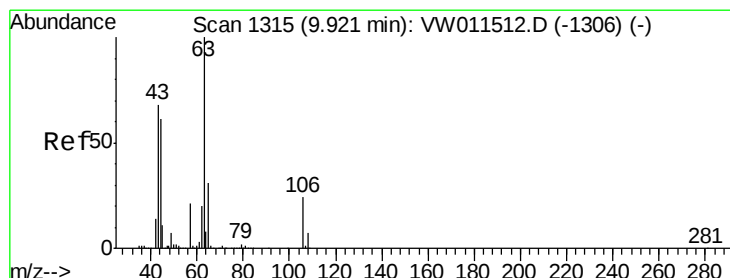
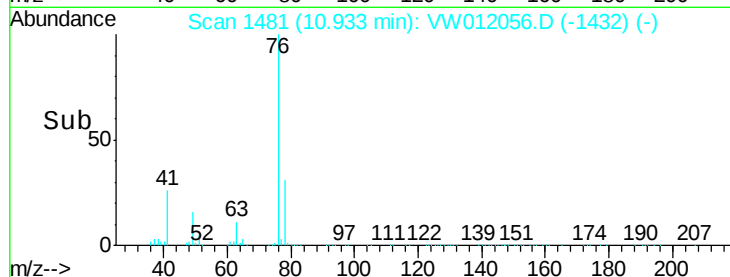
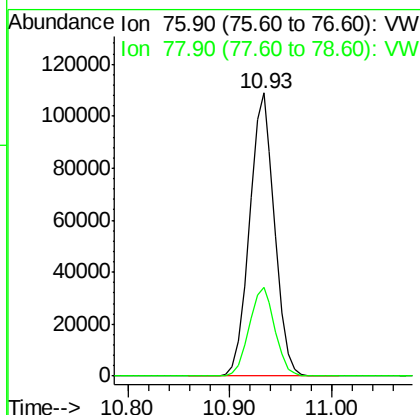
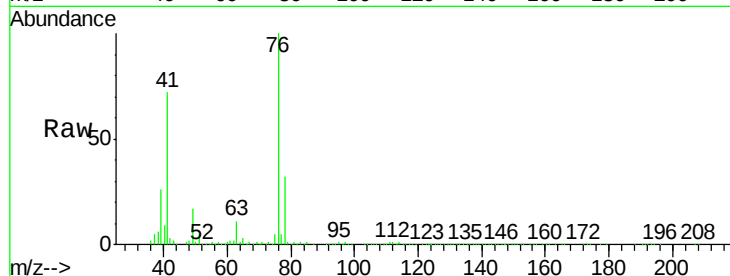
#57
 1,3-Dichloropropane
 Concen: 56.373 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 185348
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.2 37.8

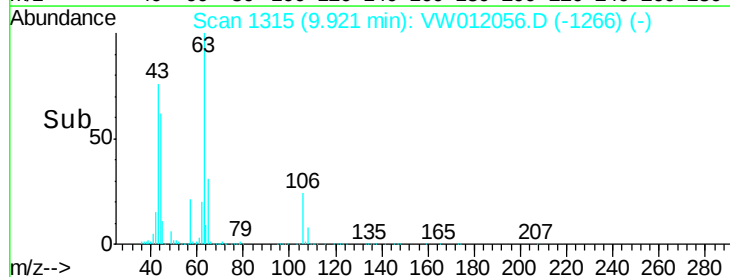
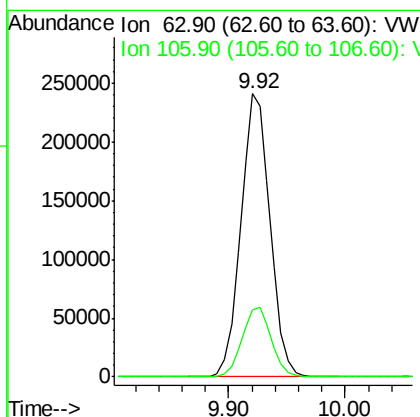
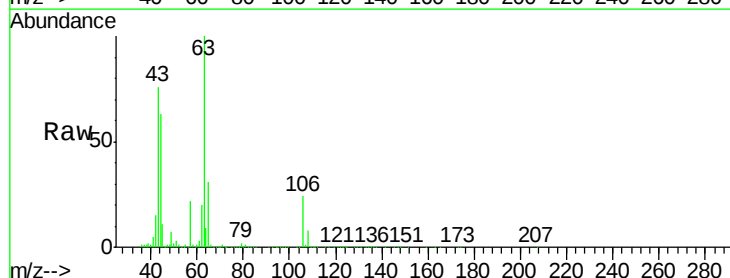
Manual Integrations
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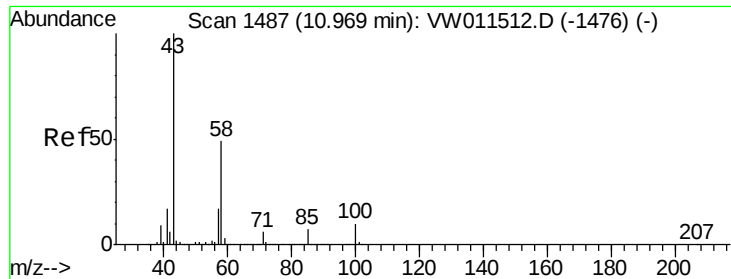
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#58
 2-Chloroethyl Vinyl ether
 Concen: 361.648 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 63 Resp: 417582
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.7 29.5





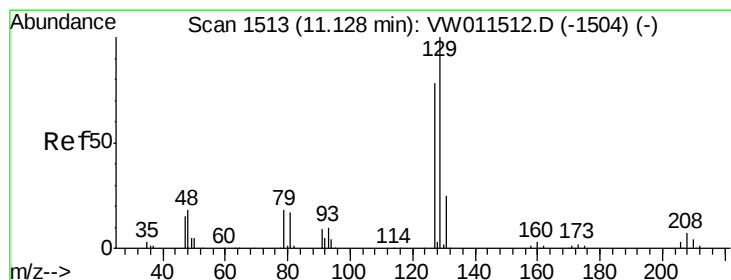
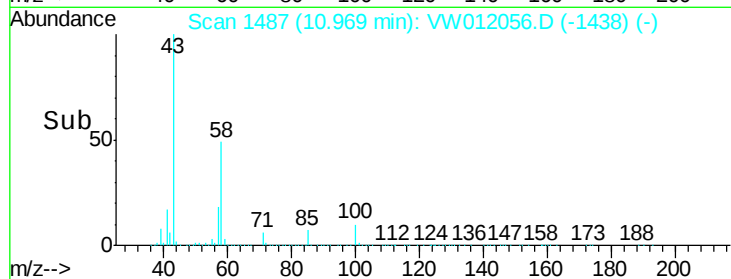
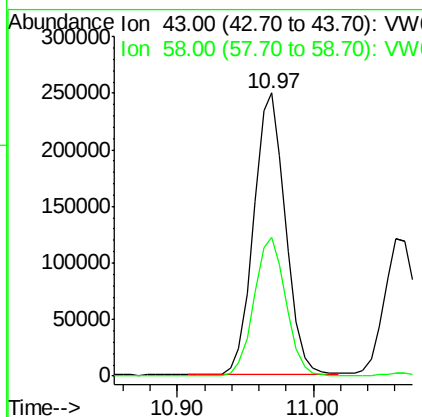
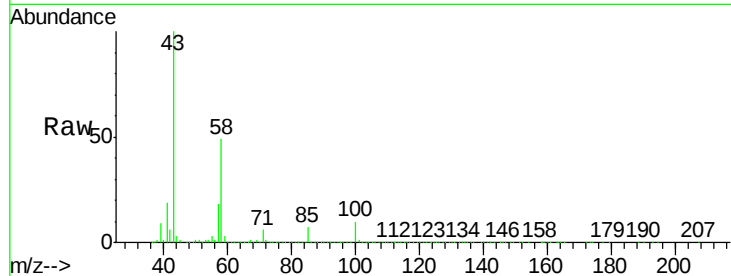
#59
2-Hexanone
Concen: 293.431 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.5	24.3	72.9

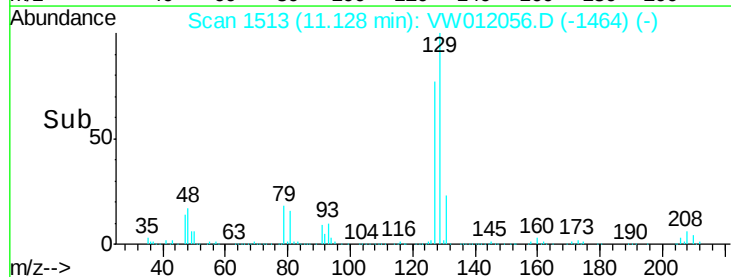
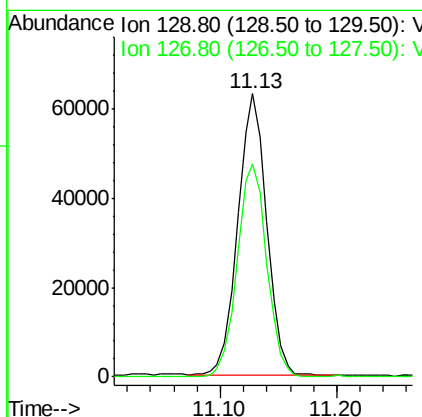
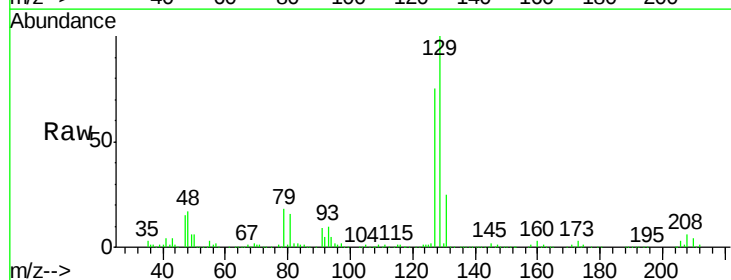
Manual Integrations
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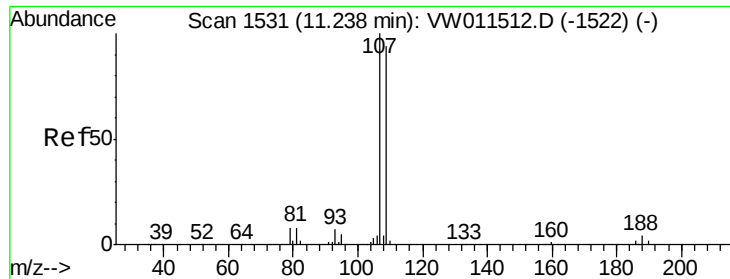
MMDadoda
8/21/2019 8:30:08 AM



#60
Dibromochloromethane
Concen: 56.636 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.9	116.7





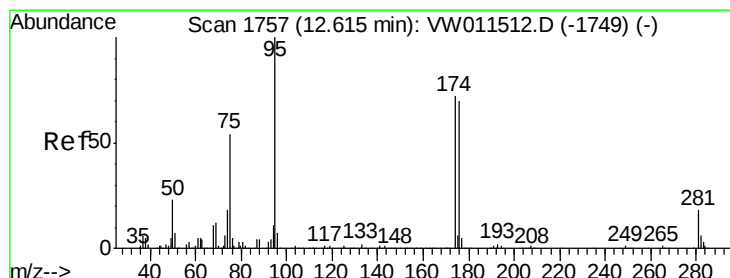
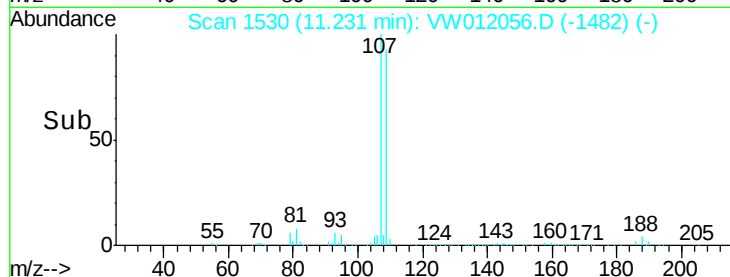
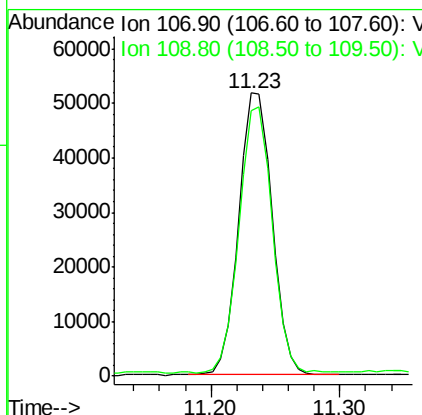
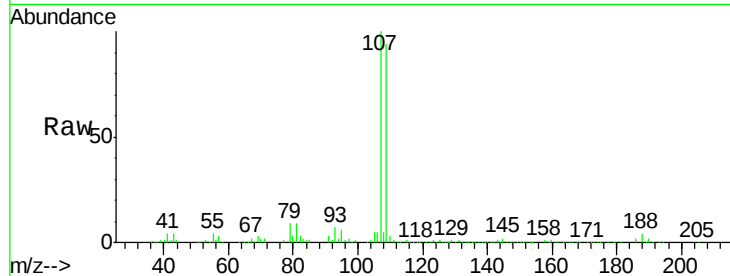
#61
 1,2-Dibromoethane
 Concen: 56.329 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 92641
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.0 112.6

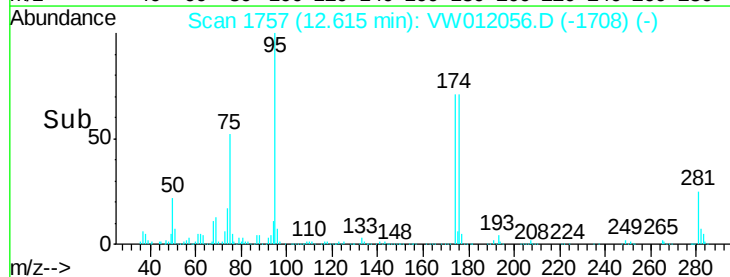
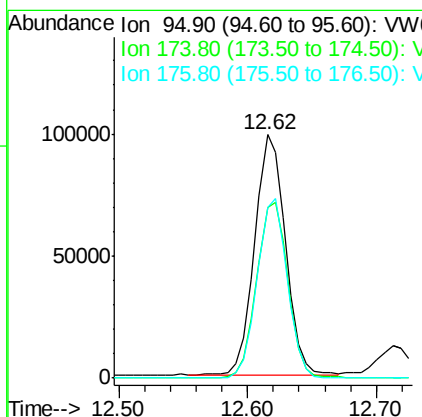
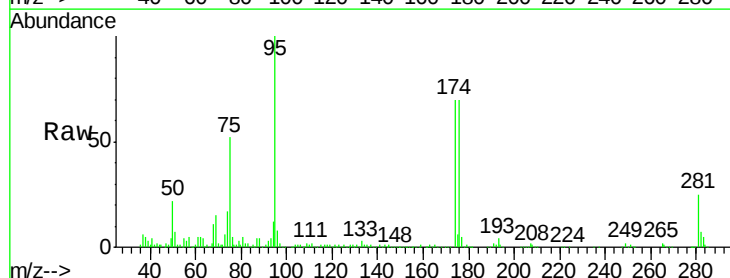
Manual Integrations
 APPROVED

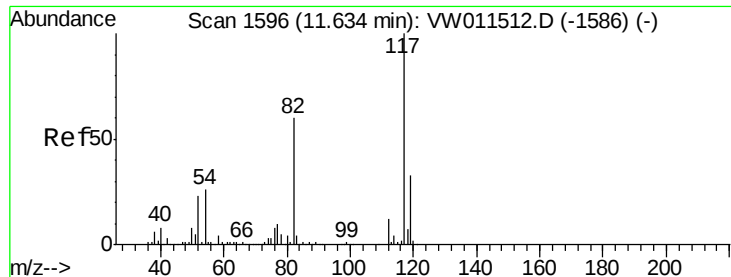
MMDadoda
 8/21/2019 8:30:08 AM



#62
 4-Bromofluorobenzene
 Concen: 57.681 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion: 95 Resp: 162662
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 150.2
 176 72.8 0.0 144.4





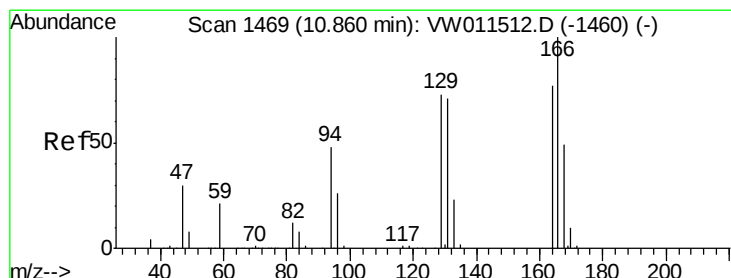
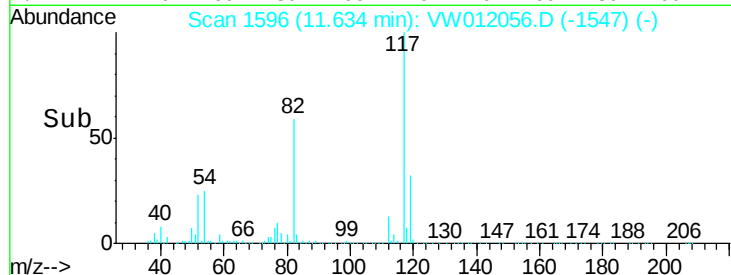
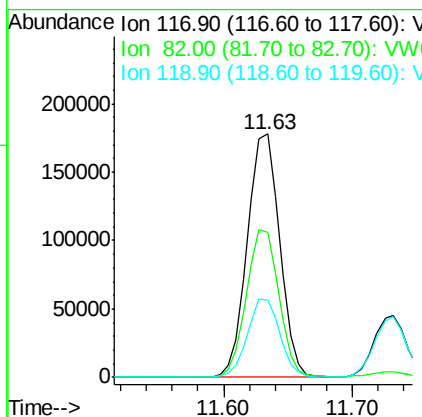
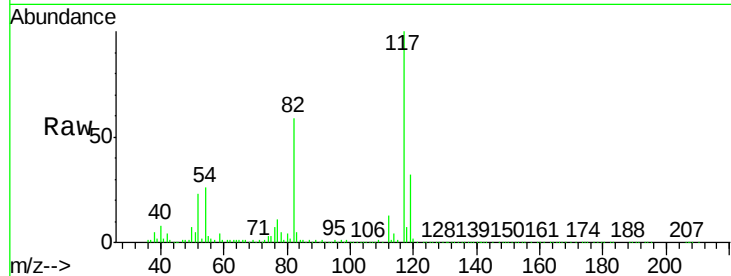
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	59.2	47.9	71.9	
119	31.6	26.2	39.2	

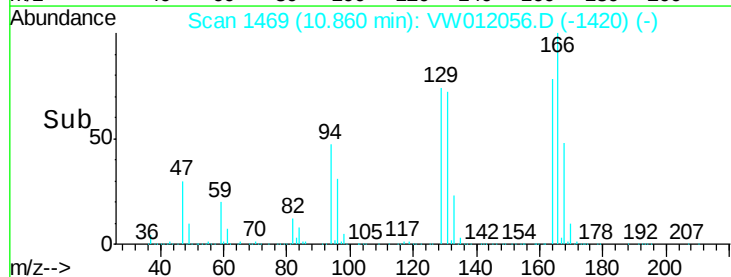
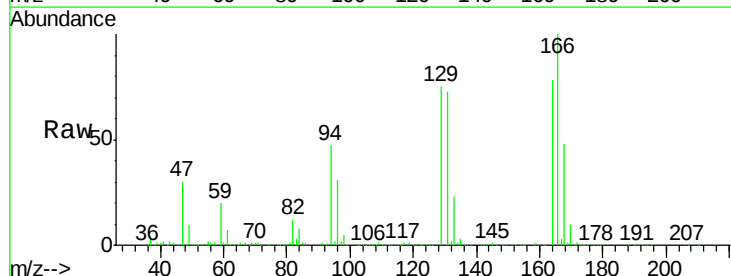
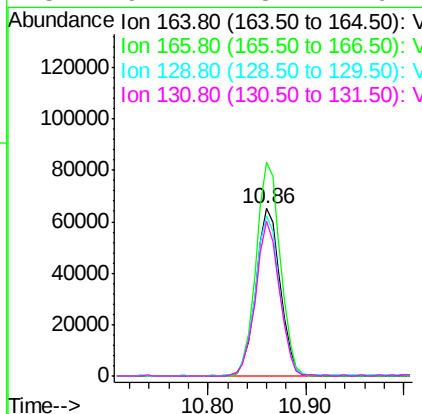
Manual Integrations
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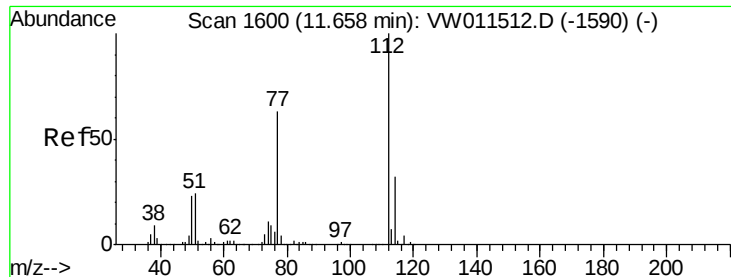
MMDadoda
8/21/2019 8:30:08 AM



#64
Tetrachloroethene
Concen: 55.901 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.8	103.5	155.3	
129	95.1	75.2	112.8	
131	92.7	73.4	110.2	





#65

Chlorobenzene

Concen: 53.052 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 327196

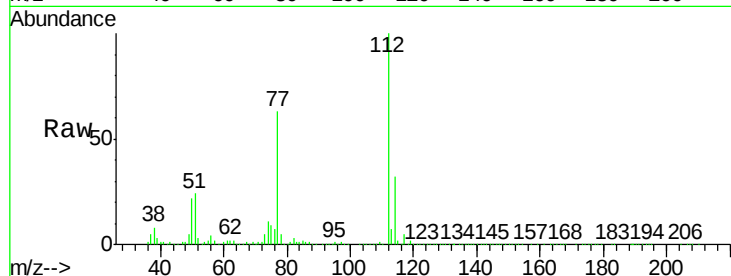
Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.66

200000

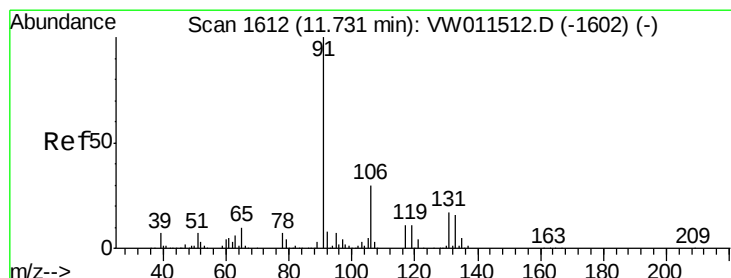
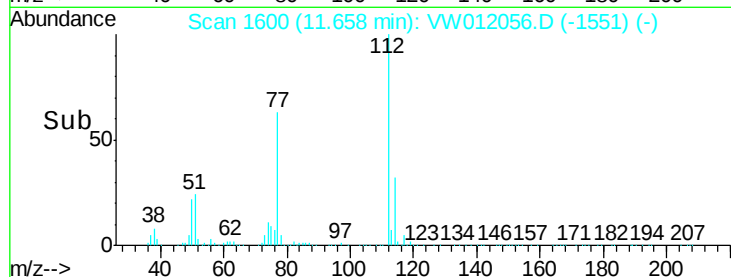
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.189 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

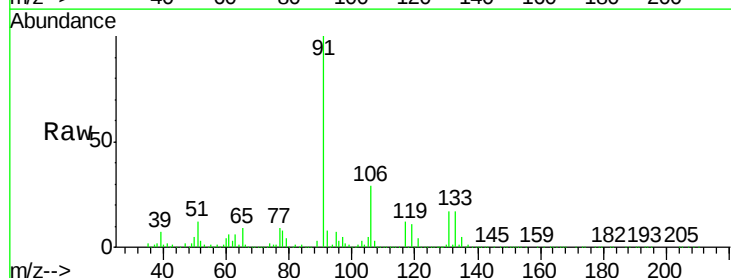
Tgt Ion:131 Resp: 116413

Ion Ratio Lower Upper

131 100

133 95.7 47.4 142.2

119 64.6 32.3 96.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.73

80000

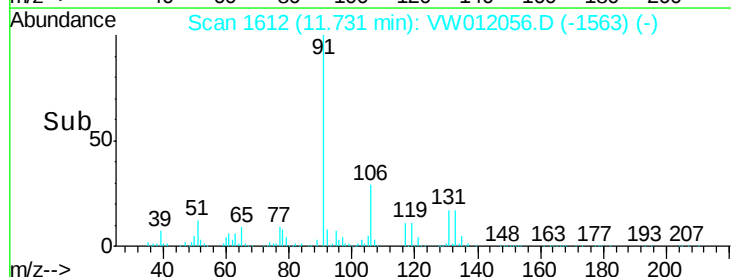
60000

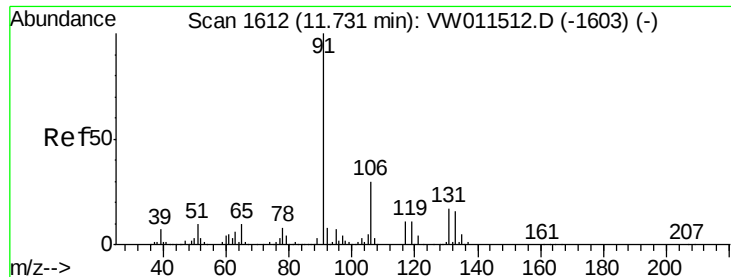
40000

20000

0

Time-->





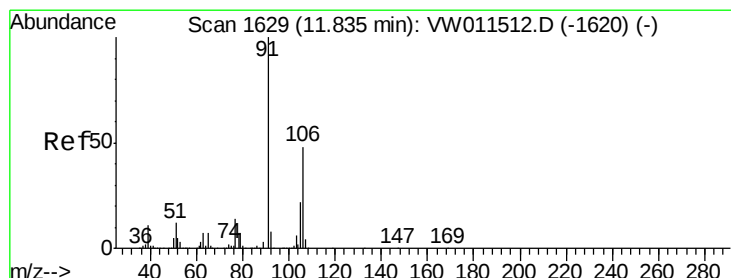
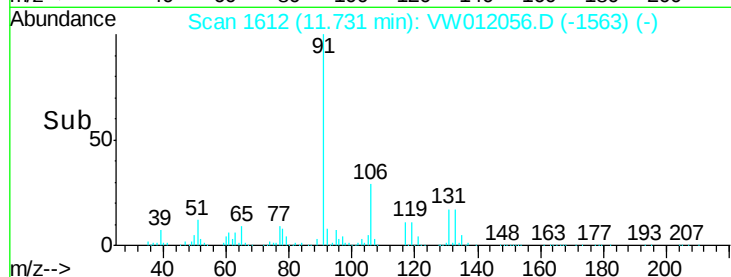
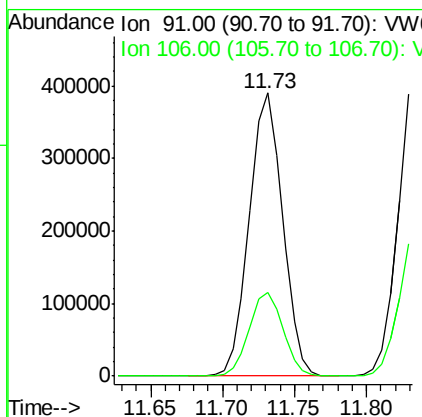
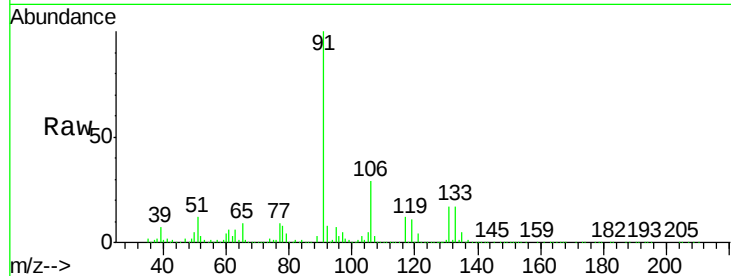
#67
Ethyl Benzene
Concen: 53.015 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 622728
Ion Ratio Lower Upper
91 100
106 29.4 23.8 35.6

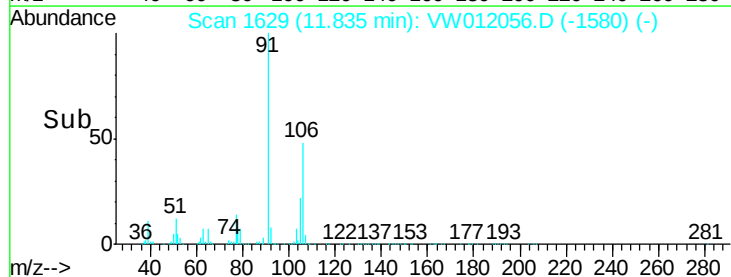
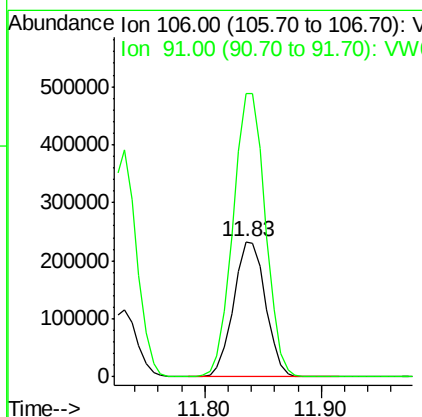
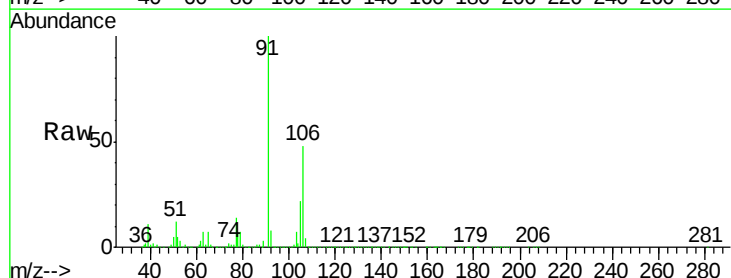
Manual Integrations
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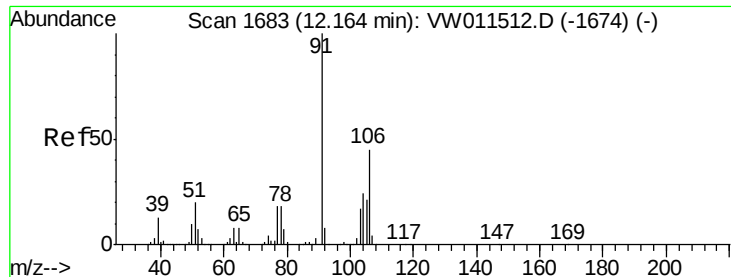
MMDadoda
8/21/2019 8:30:08 AM



#68
m/p-Xylenes
Concen: 104.463 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 106 Resp: 446238
Ion Ratio Lower Upper
106 100
91 210.6 168.2 252.2





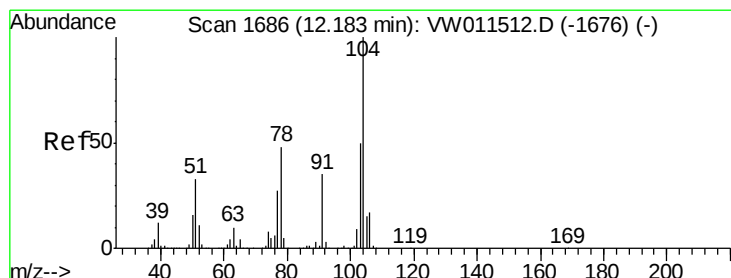
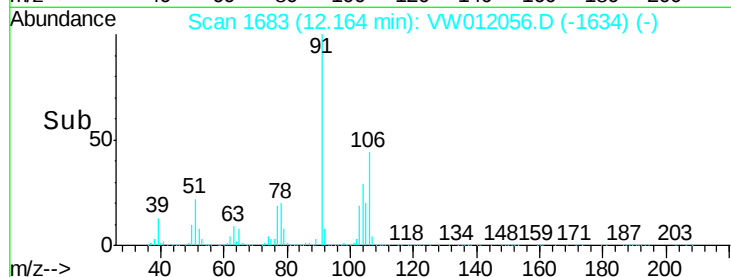
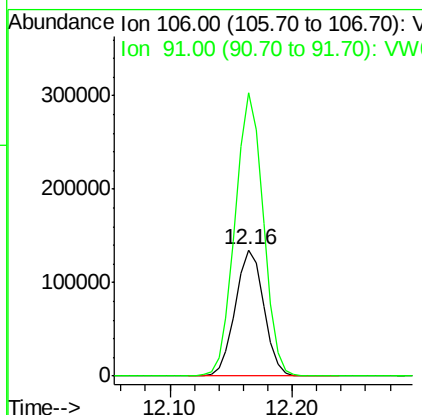
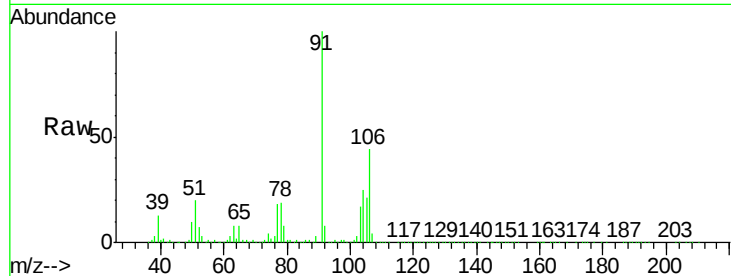
#69
o-Xylene
Concen: 54.611 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.9	110.5	331.5

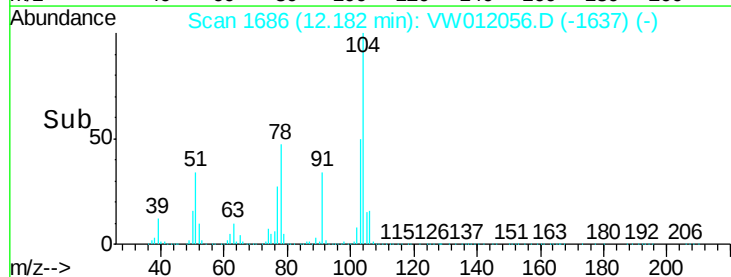
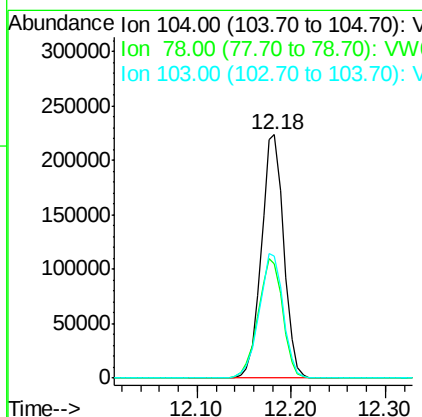
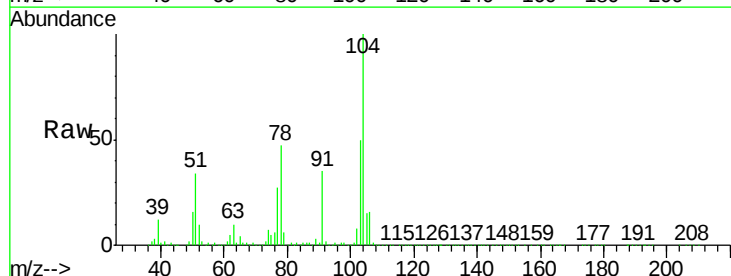
Manual Integrations
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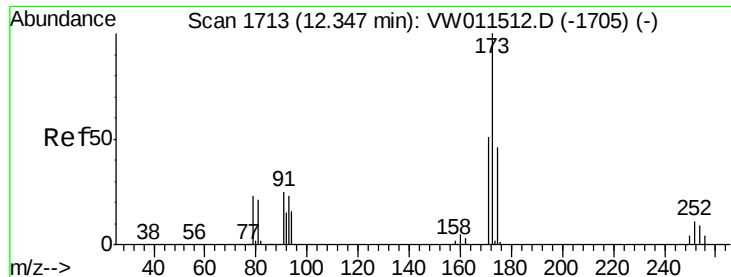
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8/21/2019 8:30:08 AM



#70
Styrene
Concen: 54.597 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.5	43.4	65.0
103	55.0	43.9	65.9





#71

Bromoform

Concen: 57.088 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

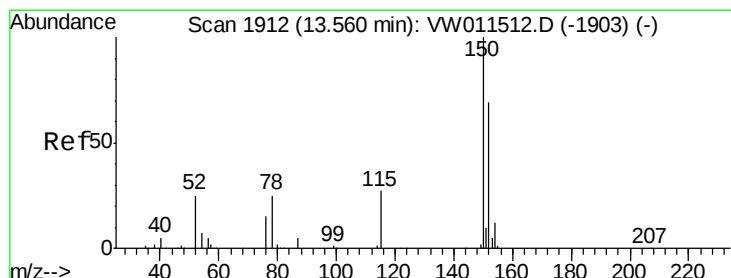
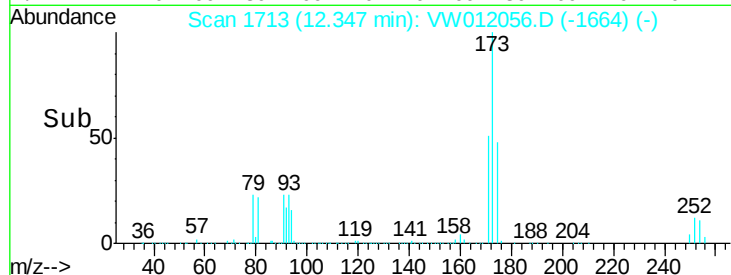
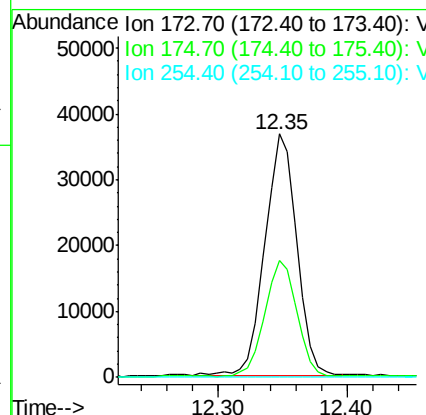
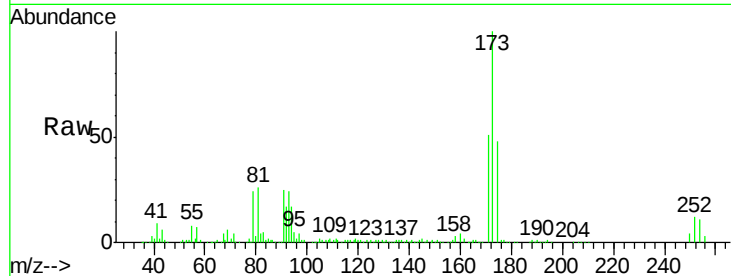
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.6	71.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

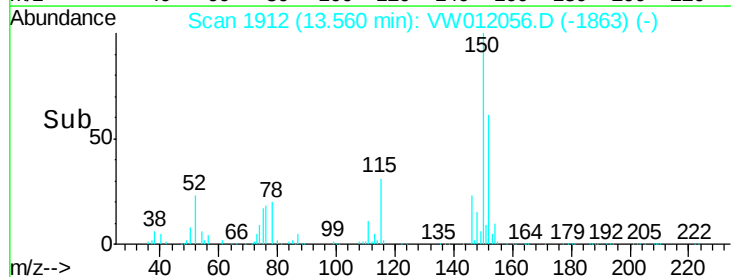
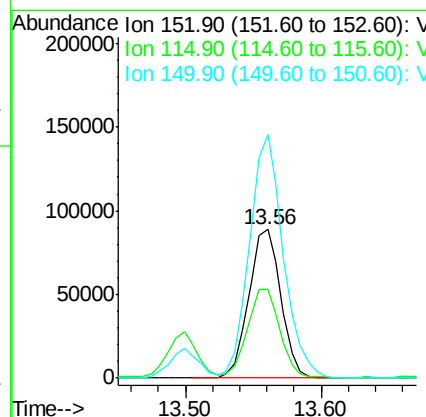
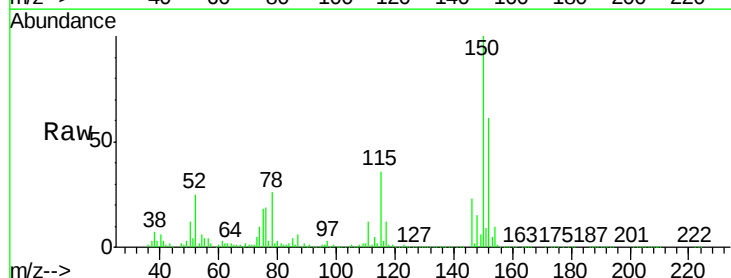
RT: 13.56 min Scan# 1912

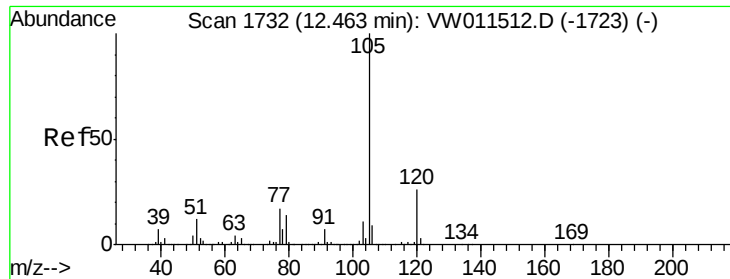
Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.5	91.5
150	172.9	0.0	352.6





#73

Isopropylbenzene

Concen: 54.139 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 589647

Ion Ratio Lower Upper

105 100

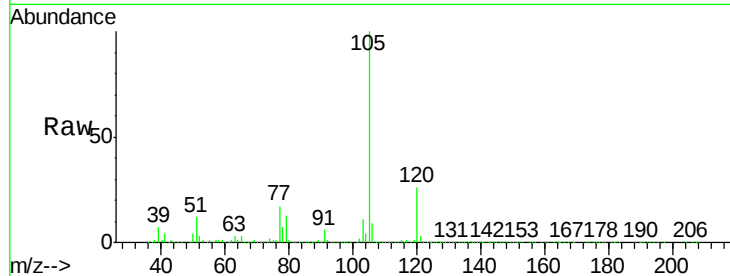
120 25.5 12.9 38.7

Manual Integrations

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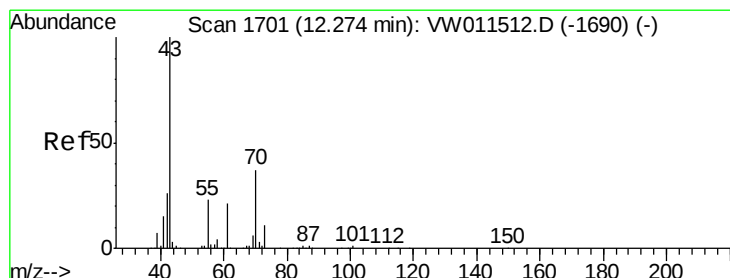
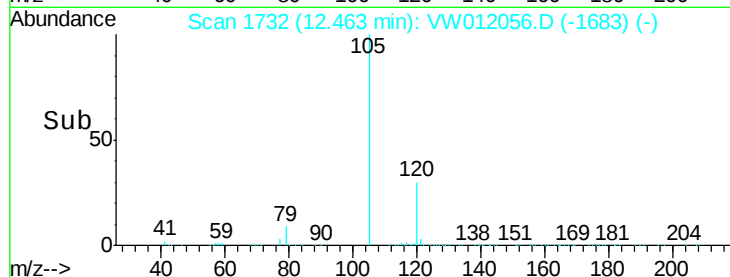
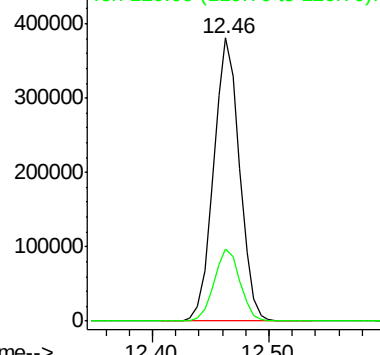
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 61.709 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion: 43 Resp: 210418

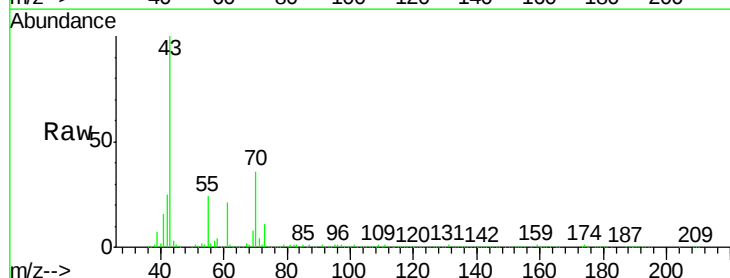
Ion Ratio Lower Upper

43 100

70 35.5 28.6 43.0

55 22.7 17.8 26.8

61 21.5 17.0 25.6

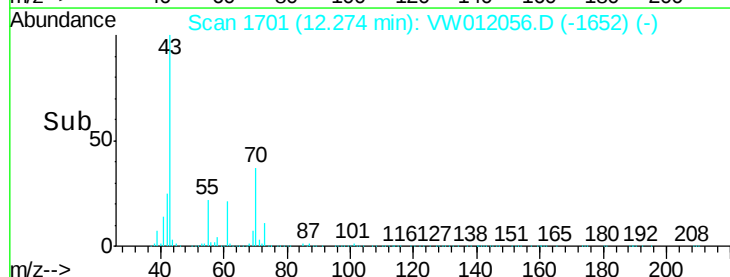
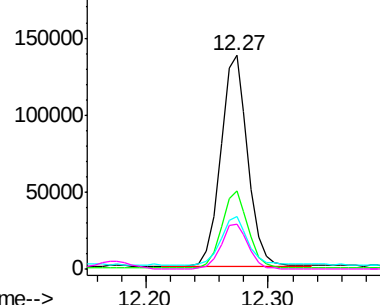


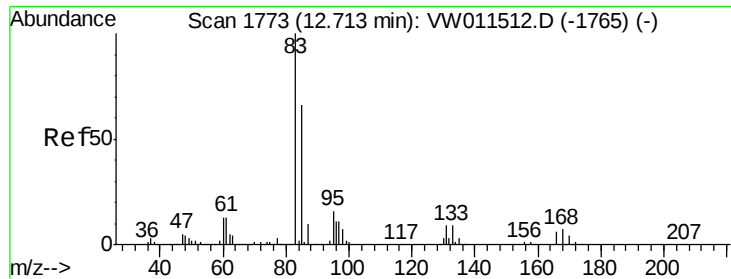
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 59.273 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

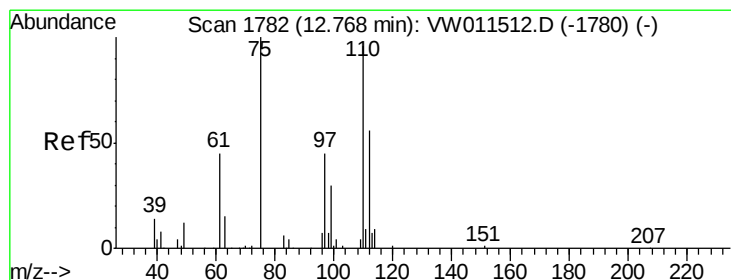
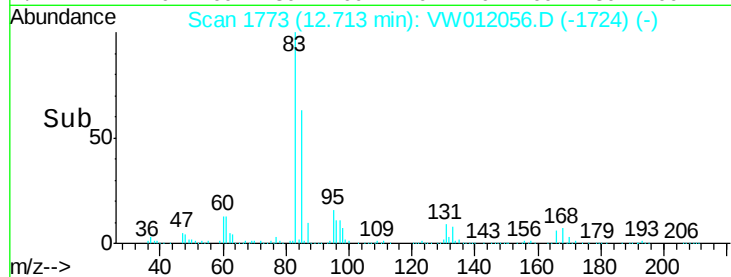
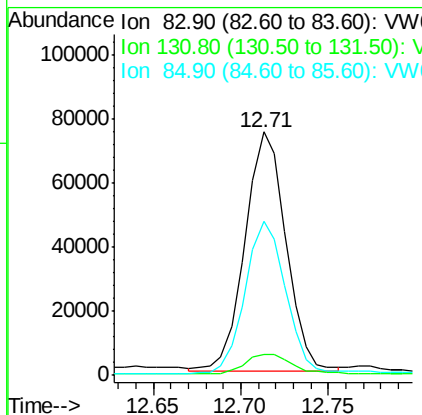
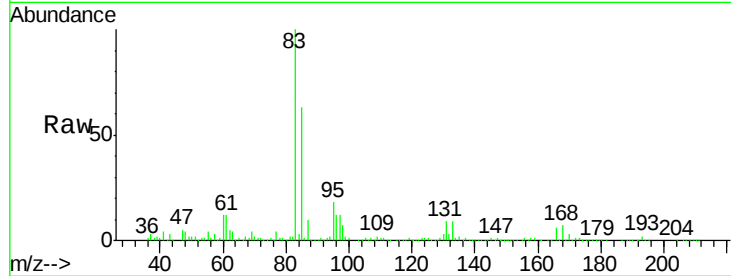
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	121430
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.6
85	63.3	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.028 ug/l m

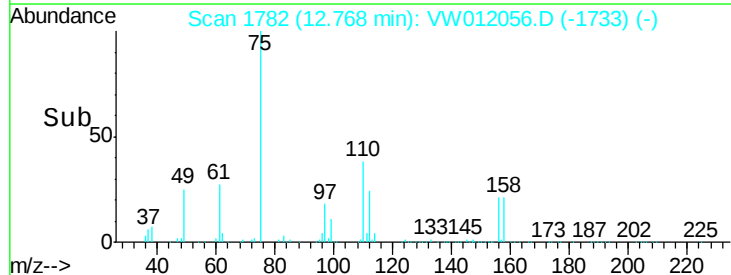
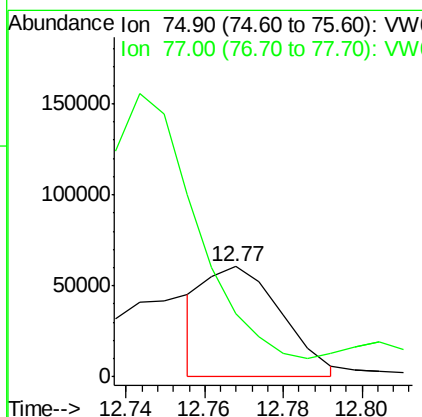
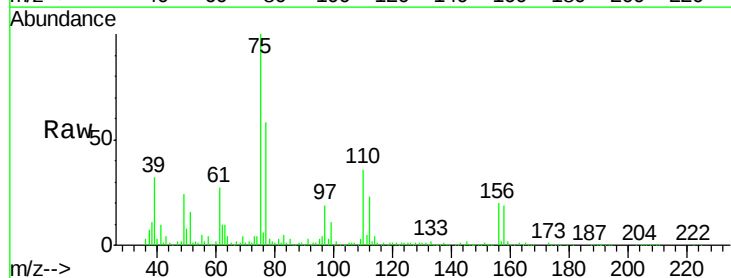
RT: 12.77 min Scan# 1782

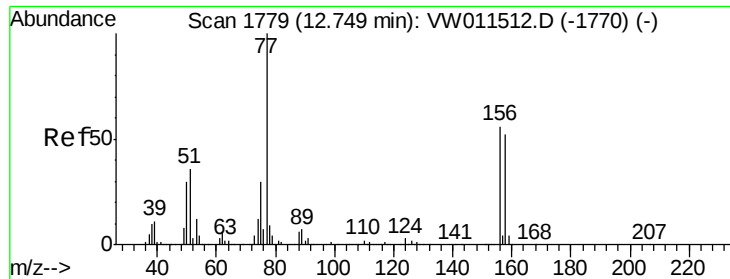
Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion:	75	Resp:	81916
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.796 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

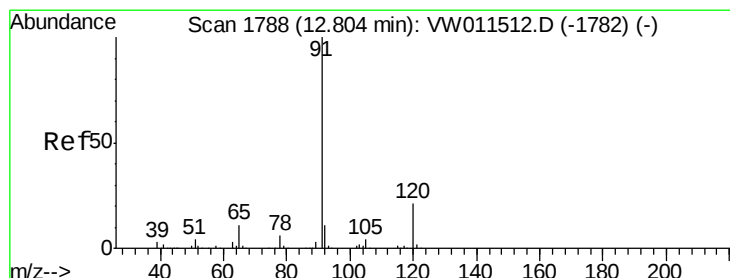
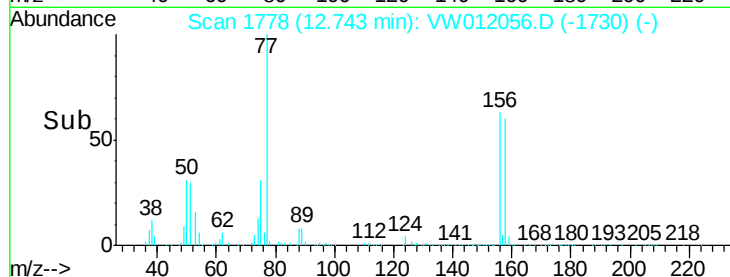
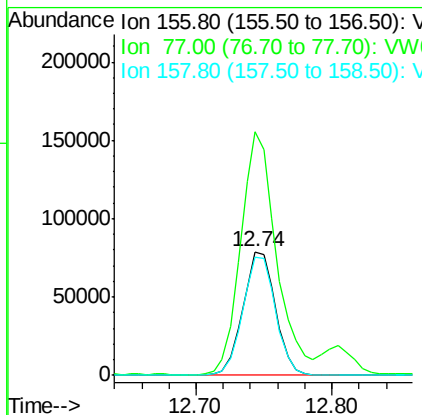
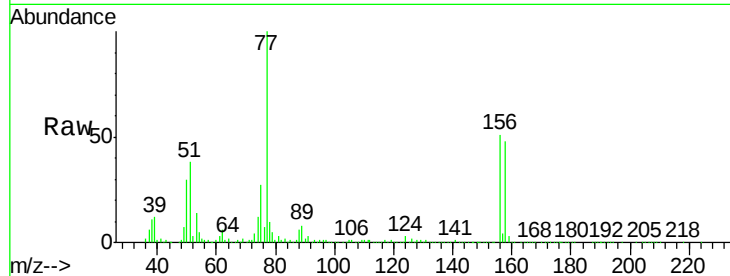
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	131913
Ion Ratio	Lower	Upper	
156	100		
77	214.1	106.5	319.4
158	96.6	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 53.101 ug/l

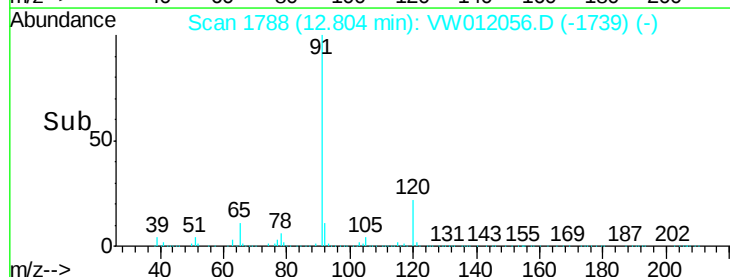
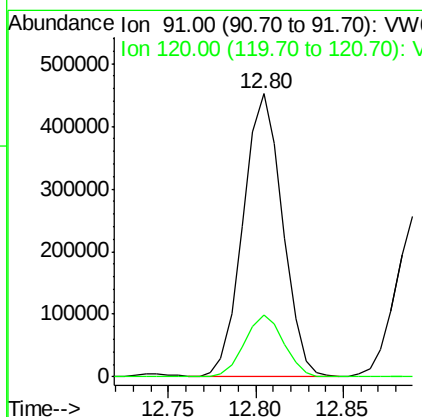
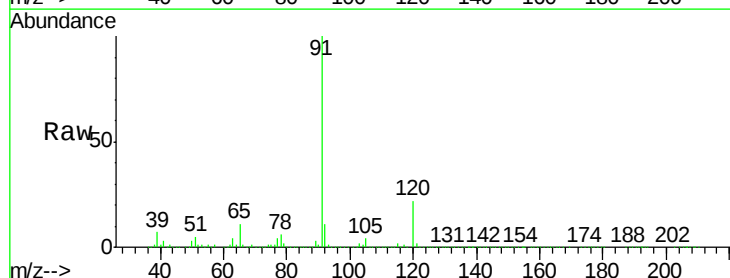
RT: 12.80 min Scan# 1788

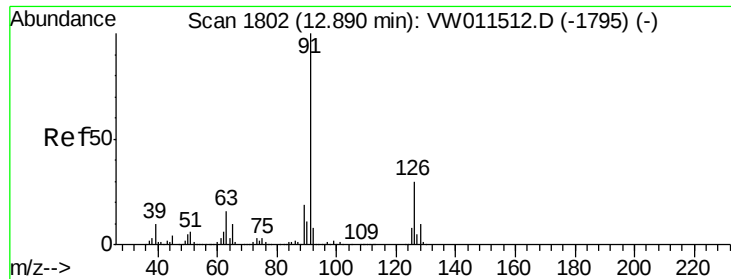
Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion:	91	Resp:	703847
Ion Ratio	Lower	Upper	
91	100		
120	21.8	10.9	32.7





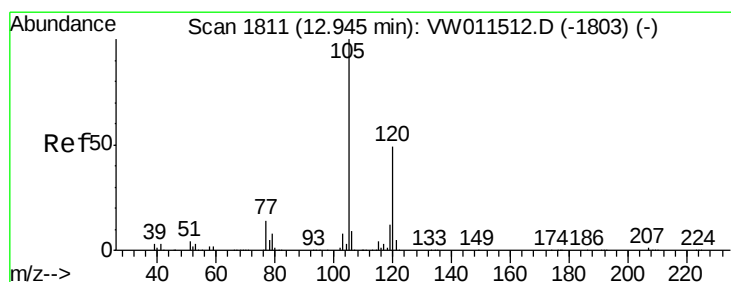
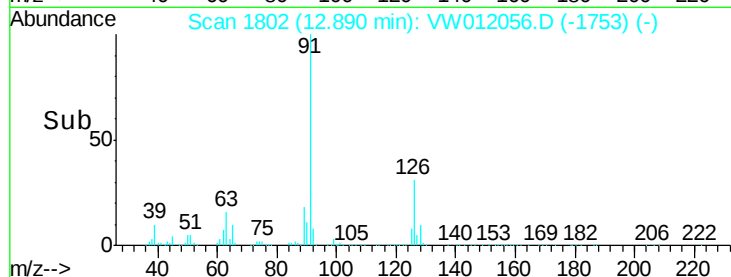
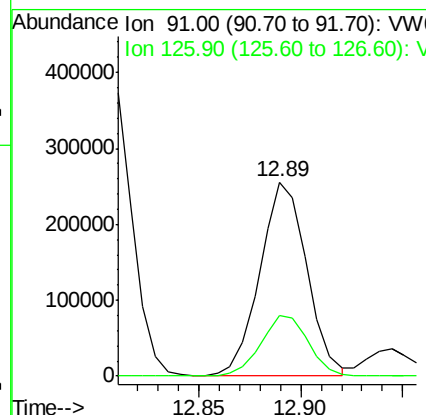
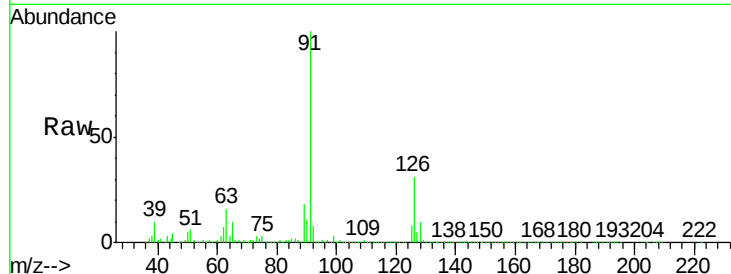
#79
2-Chlorotoluene
Concen: 53.110 ug/l
RT: 12.89 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 405559
Ion Ratio Lower Upper
91 100
126 31.7 15.7 47.1

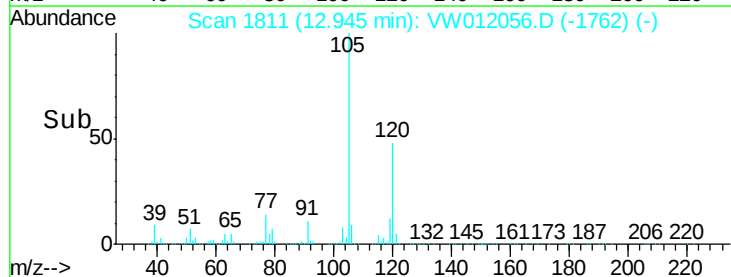
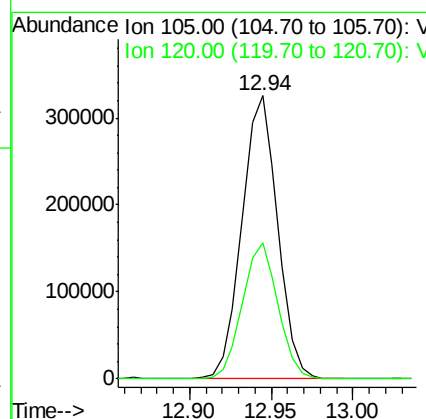
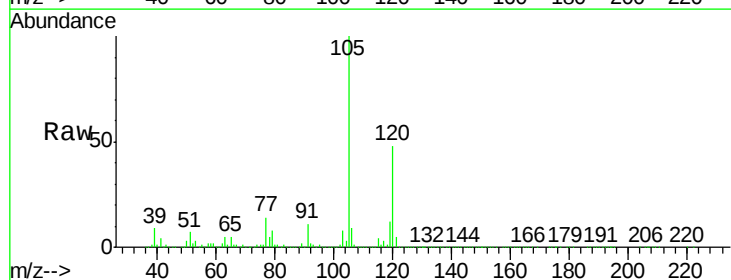
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 54.002 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion: 105 Resp: 493020
Ion Ratio Lower Upper
105 100
120 48.0 24.1 72.3





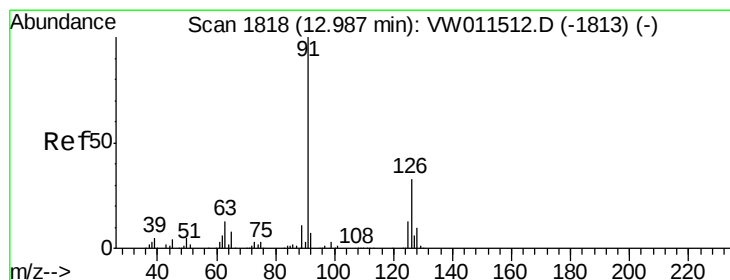
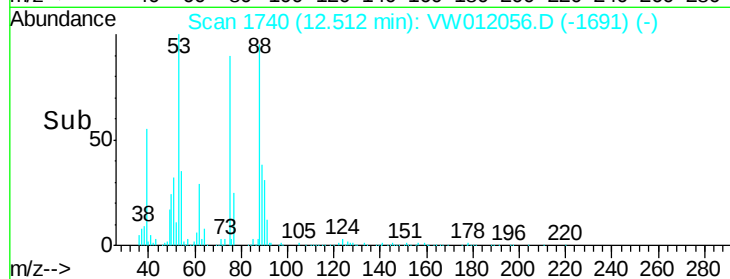
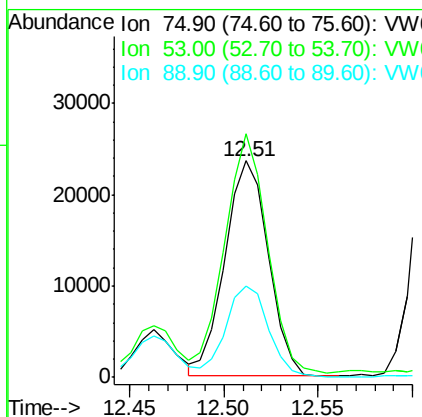
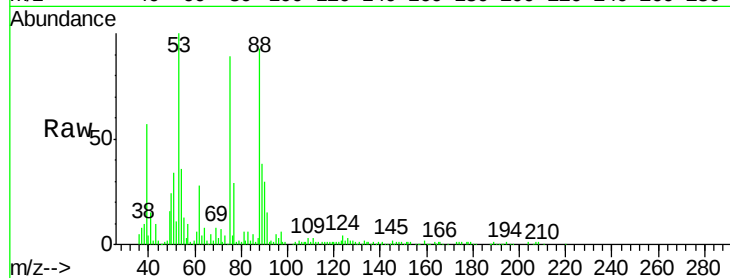
#81
trans-1,4-Dichloro-2-butene
Concen: 55.988 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.8	88.0	132.0
89	41.9	35.3	52.9

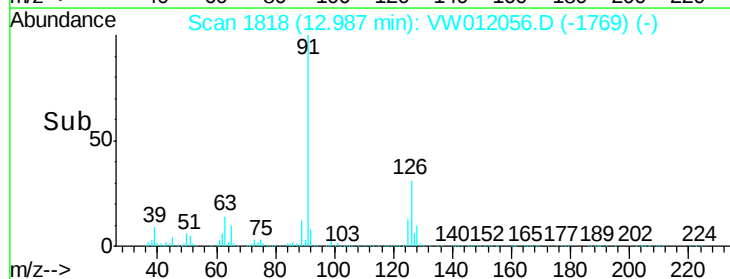
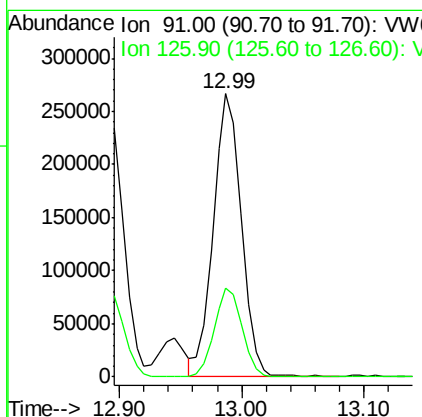
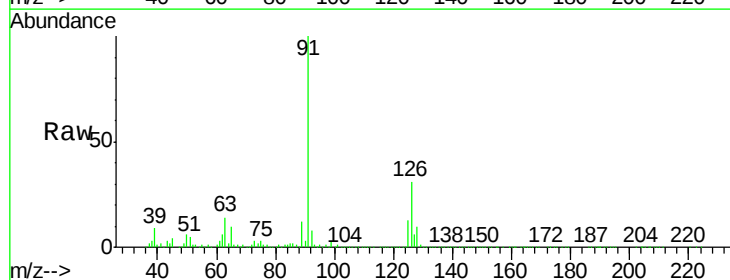
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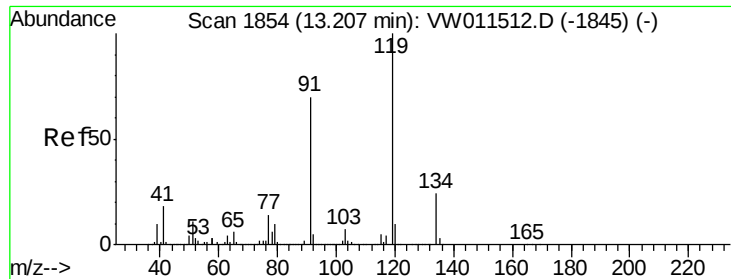
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#82
4-Chlorotoluene
Concen: 52.644 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.6	46.8





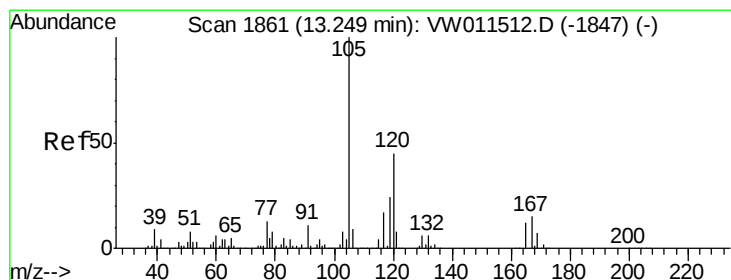
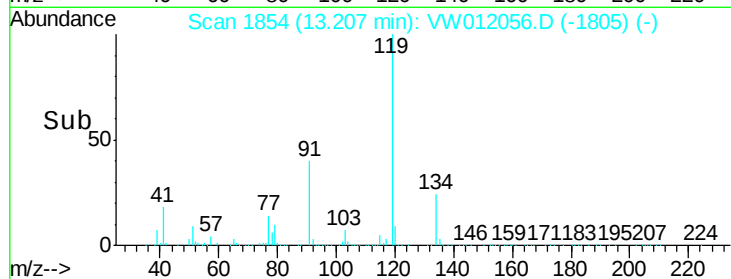
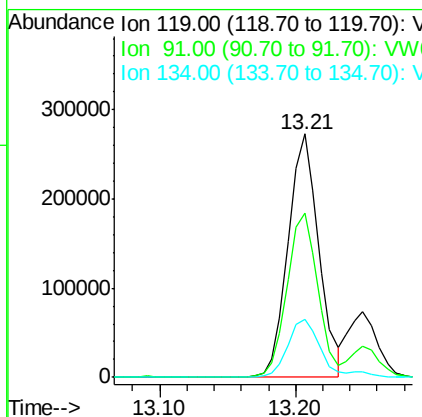
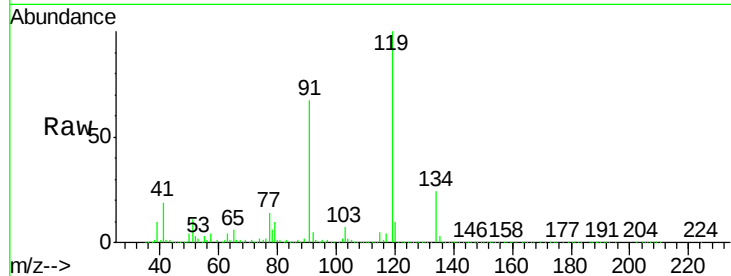
#83
tert-Butylbenzene
Concen: 55.934 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	427036		
91	67.3	34.5	103.6	
134	24.5	12.4	37.4	

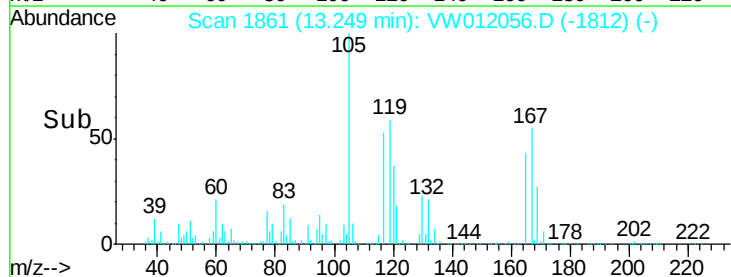
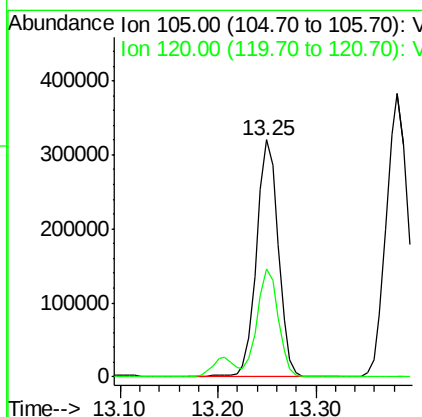
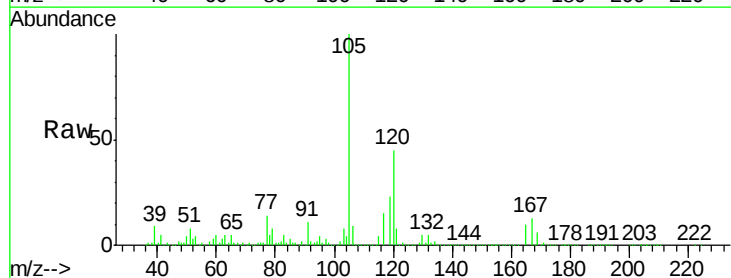
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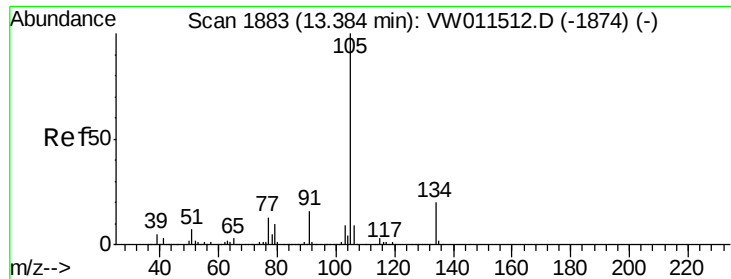
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#84
1,2,4-Trimethylbenzene
Concen: 53.812 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	494908		
120	44.0	22.1	66.5	





#85

sec-Butylbenzene

Concen: 54.036 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 588653

Ion Ratio Lower Upper

105 100

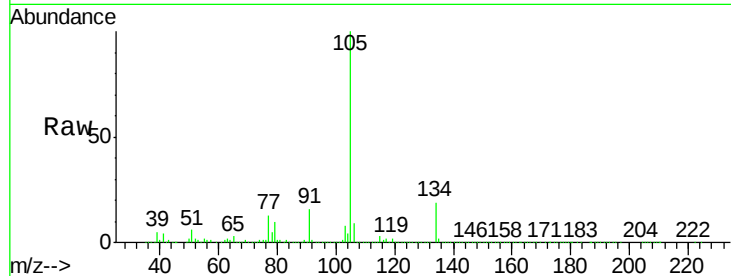
134 19.9 9.7 29.1

Manual Integrations

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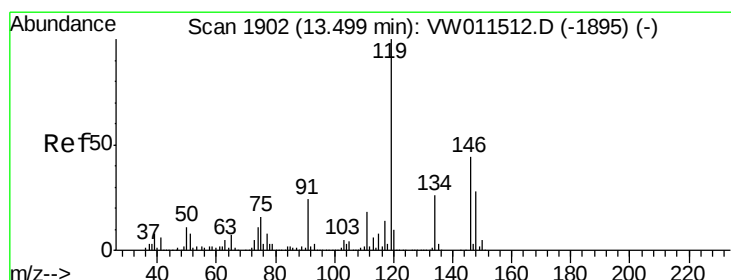
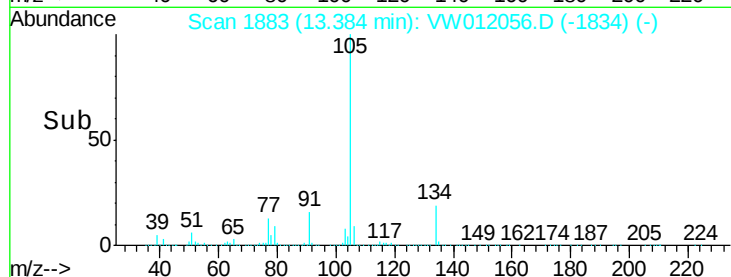
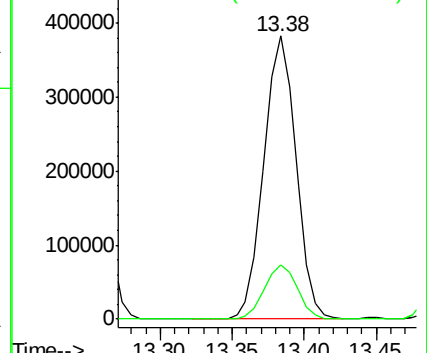
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.213 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

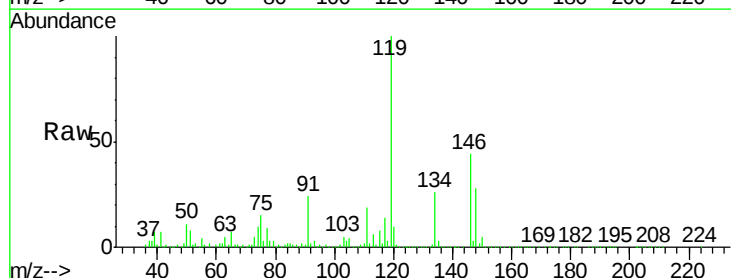
Tgt Ion:119 Resp: 525960

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

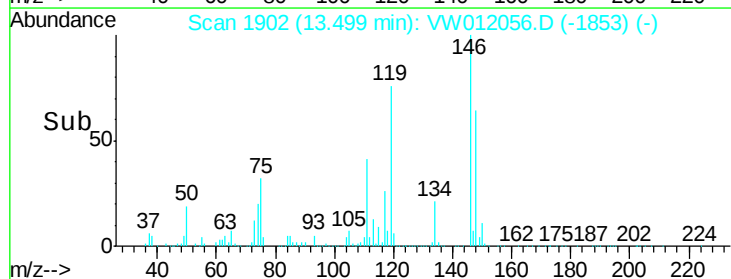
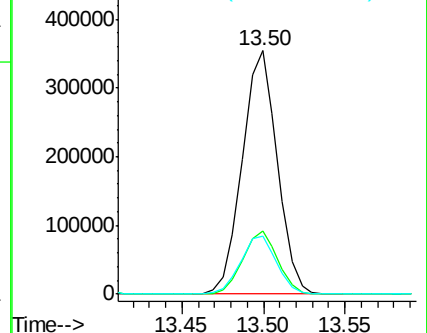
91 24.3 12.1 36.3

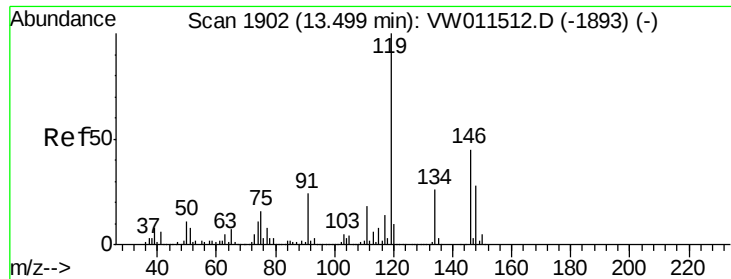


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 52.481 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Instrument :

MSVOA_W

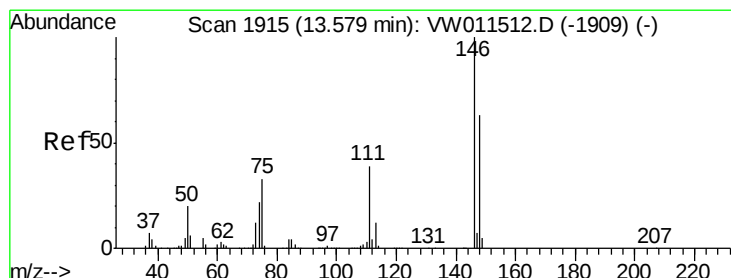
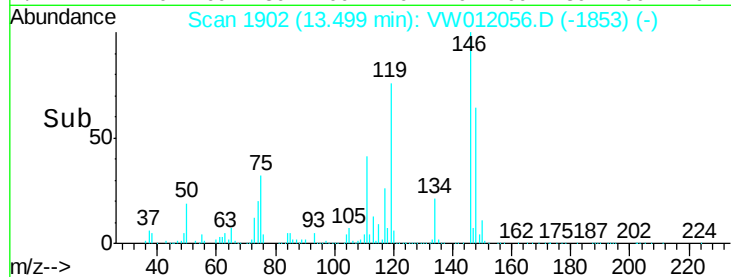
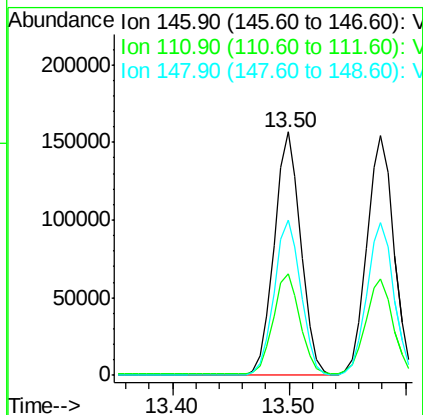
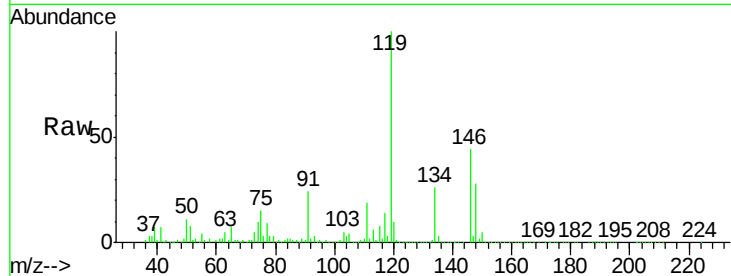
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	247725
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.5	61.6
148	64.0	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 52.236 ug/l

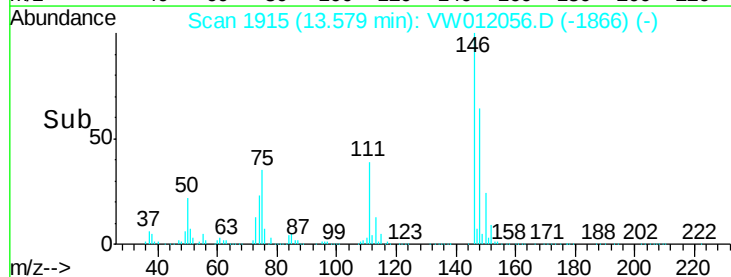
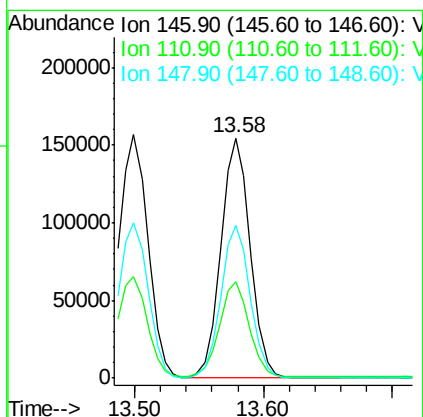
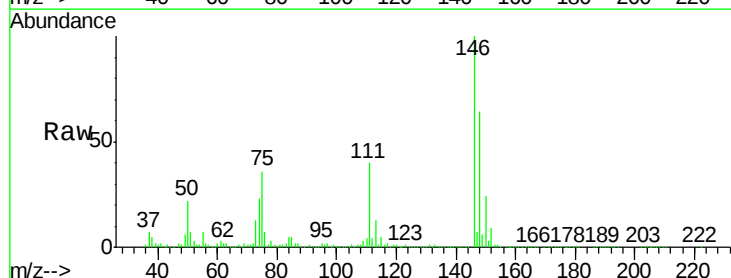
RT: 13.58 min Scan# 1915

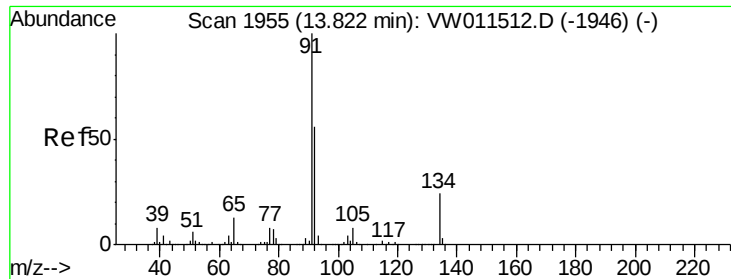
Delta R.T. -0.00 min

Lab File: VW012056.D

Acq: 21 Aug 2019 02:58

Tgt Ion:	146	Resp:	245276
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.1	60.2
148	63.9	31.9	95.9





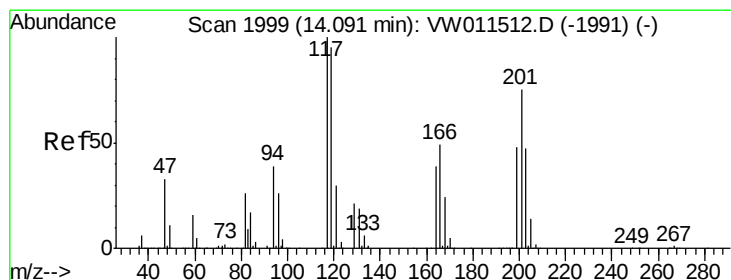
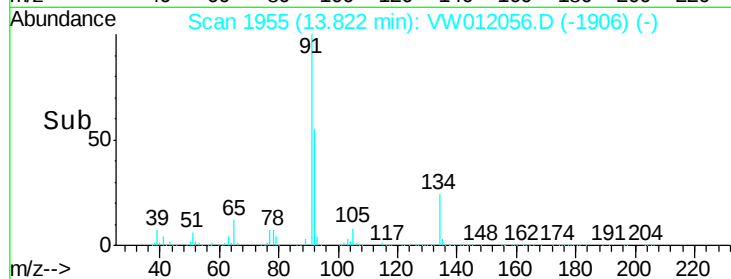
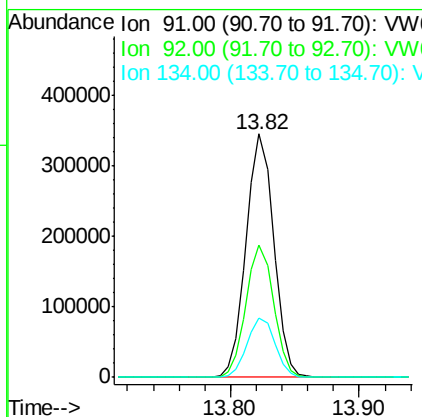
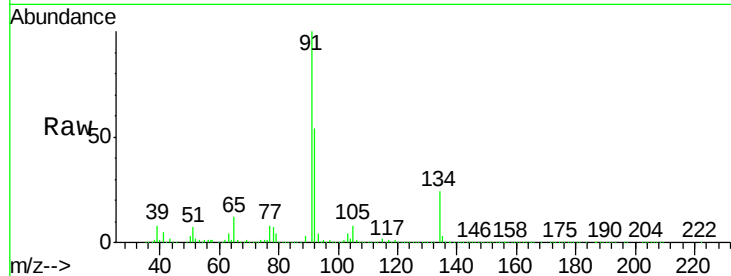
#89
n-Butylbenzene
Concen: 51.479 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	24.8	12.2	36.6

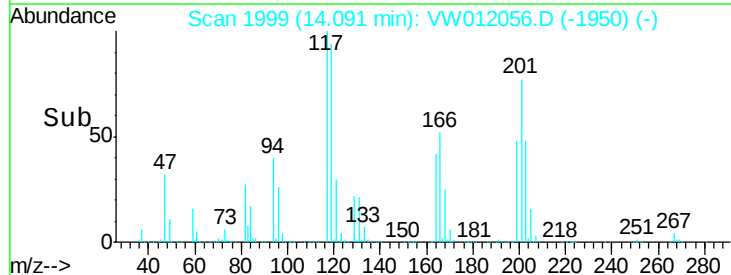
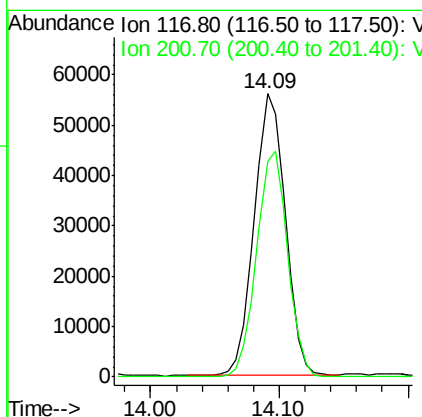
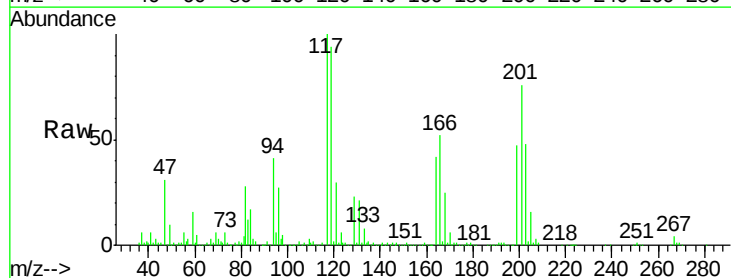
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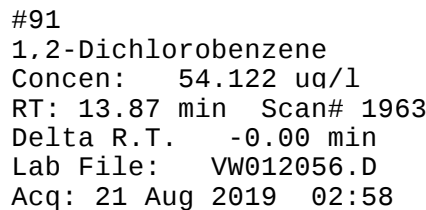
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#90
Hexachloroethane
Concen: 53.488 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.8	39.4	118.2



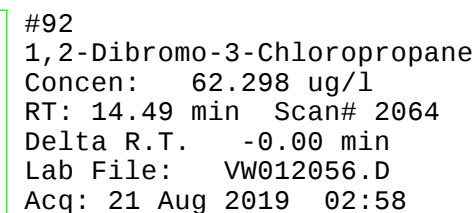
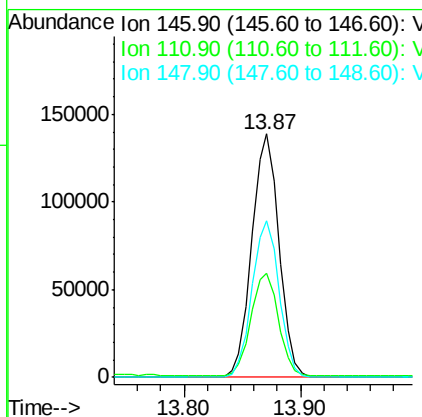


Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

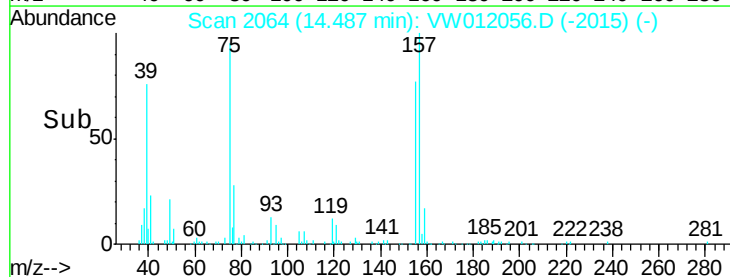
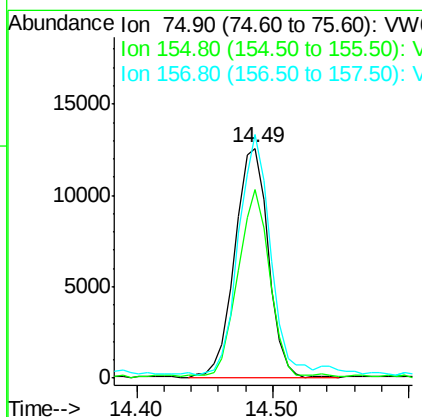
Manual Integrations
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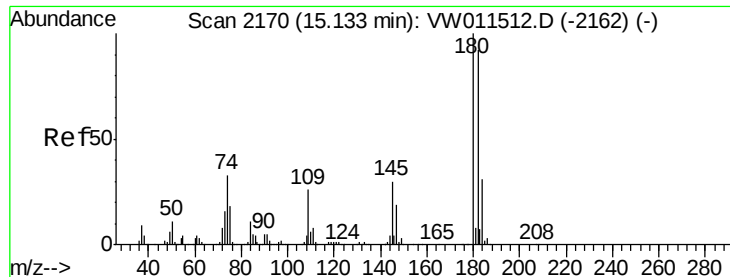
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Tqt	Ion:146	Resp:	225950
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	65.0
148	64.2	32.0	96.2



Tgt	Ion: 75	Resp:	21764
Ion	Ratio	Lower	Upper
75	100		
155	74.6	38.2	114.6
157	98.8	48.9	146.7





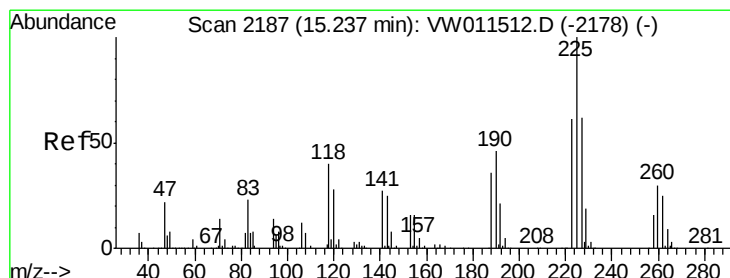
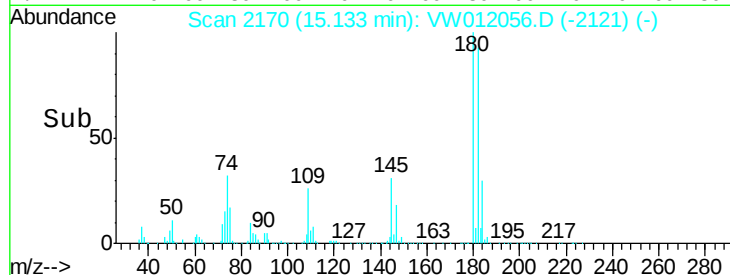
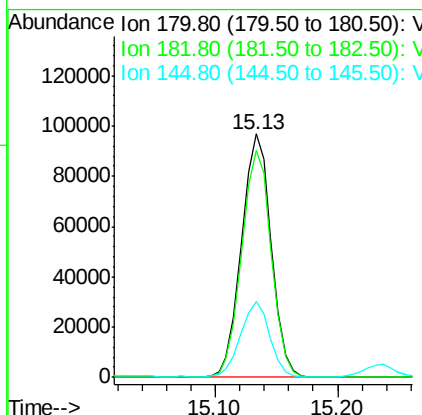
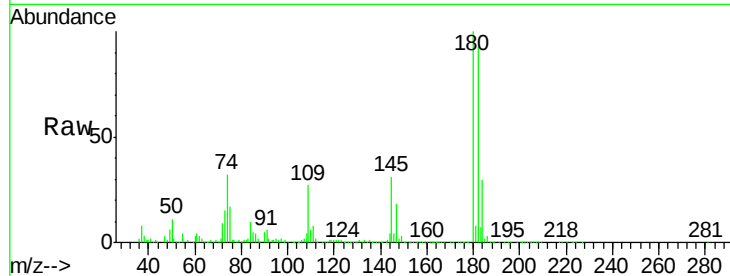
#93
 1,2,4-Trichlorobenzene
 Concen: 55.271 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162623		
182	93.3	47.4	142.2	
145	30.2	15.4	46.1	

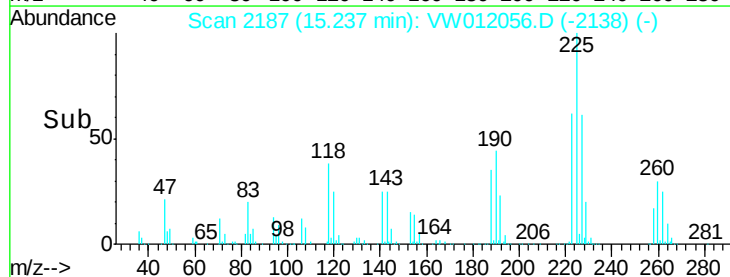
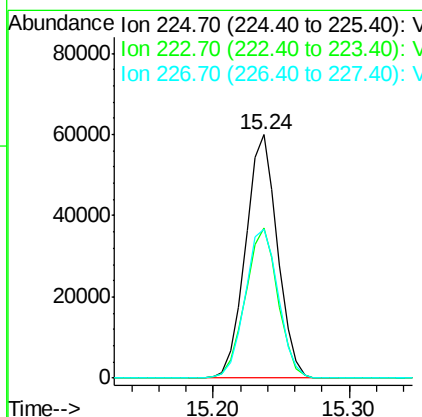
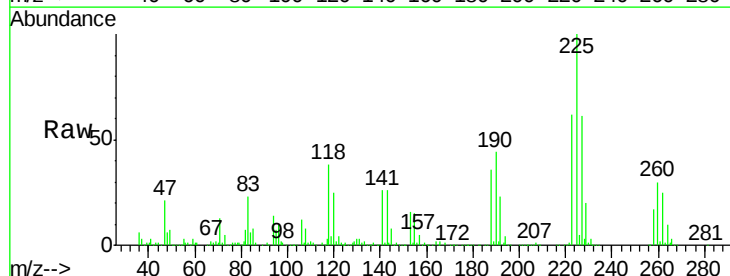
Manual Integrations
 APPROVED

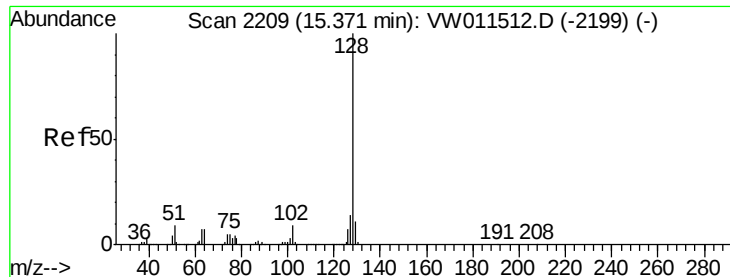
MMDadoda
 8/21/2019 8:30:08 AM



#94
 Hexachlorobutadiene
 Concen: 53.537 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW012056.D
 Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	98233		
223	62.8	30.8	92.3	
227	63.7	31.6	94.7	





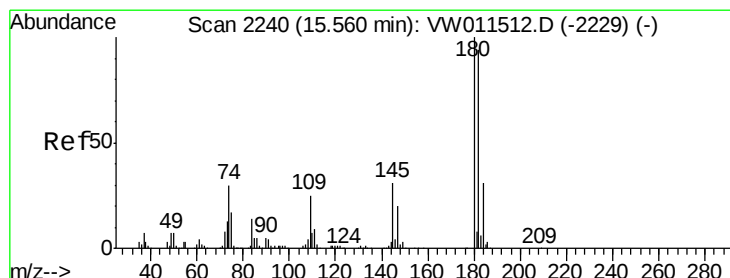
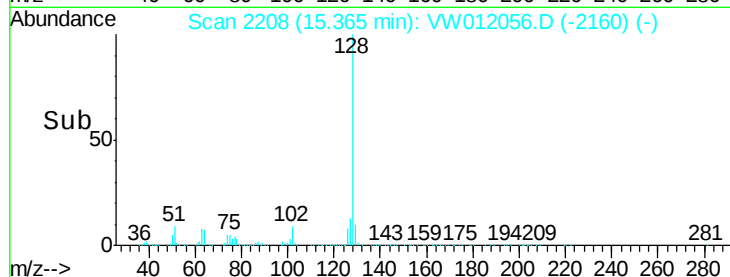
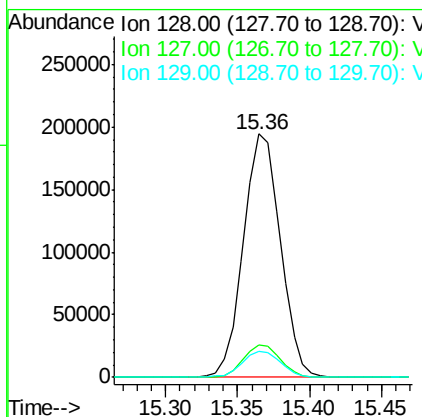
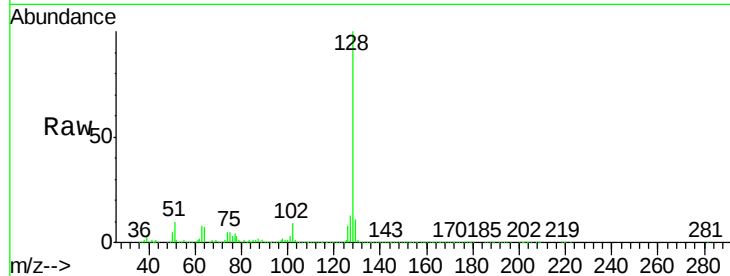
#95
Naphthalene
Concen: 59.210 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/21/2019 8:30:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 57.054 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW012056.D
Acq: 21 Aug 2019 02:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.4	142.2
145	32.3	15.9	47.7

