

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010819\
 Data File : VW008091.D
 Acq On : 08 Jan 2019 17:55
 Operator : SY/AP
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 11:08:10 AM

Quant Time: Jan 09 04:02:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 03:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	171263	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	154325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	72324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	154581	130.90	ug/l	0.00
Spiked Amount			Recovery	=	261.80%	
35) Dibromofluoromethane	7.88	113	148859	140.19	ug/l	0.00
Spiked Amount			Recovery	=	280.38%	
50) Toluene-d8	10.32	98	606647	148.88	ug/l	0.00
Spiked Amount			Recovery	=	297.76%	
62) 4-Bromofluorobenzene	12.62	95	207073	134.07	ug/l	0.00
Spiked Amount			Recovery	=	268.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	120932	129.234	ug/l	99
3) Chloromethane	2.22	50	147356	189.972	ug/l	98
4) Vinyl Chloride	2.37	62	187103	185.446	ug/l	96
5) Bromomethane	2.79	94	169309	258.166	ug/l	98
6) Chloroethane	2.93	64	176258	314.533	ug/l	94
7) Trichlorofluoromethane	3.26	101	169058	173.972	ug/l	91
8) Diethyl Ether	3.68	74	88170	173.045	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	161685	145.560	ug/l	94
10) Methyl Iodide	4.26	142	257186	145.577	ug/l	97
11) Tert butyl alcohol	5.24	59	50428	651.438	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	163463	152.113	ug/l	97
13) Acrolein	3.90	56	56904	994.197	ug/l	99
14) Allyl chloride	4.67	41	293388	190.097	ug/l	98
15) Acrylonitrile	5.38	53	176868	944.456	ug/l	98
16) Acetone	4.14	43	151315	805.225	ug/l	94
17) Carbon Disulfide	4.37	76	514604	156.477	ug/l	99
18) Methyl Acetate	4.67	43	107638	209.099	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	243867	144.027	ug/l	94
20) Methylene Chloride	4.91	84	162021	128.493	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	169044	144.706	ug/l	98
22) Diisopropyl ether	6.31	45	533699	191.088	ug/l	99
23) Vinyl Acetate	6.26	43	1469980	952.873	ug/l	98
24) 1,1-Dichloroethane	6.21	63	308265	156.337	ug/l	98
25) 2-Butanone	7.18	43	216334	942.533	ug/l	98
26) 2,2-Dichloropropane	7.17	77	194180	123.535	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	184063	147.531	ug/l	97
28) Bromochloromethane	7.51	49	118850	177.335	ug/l	94
29) Tetrahydrofuran	7.54	42	149045	1021.237	ug/l	98
30) Chloroform	7.68	83	296160	137.389	ug/l	95
31) Cyclohexane	7.95	56	306790	162.034	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	256494	126.619	ug/l	99
36) 1,1-Dichloropropene	8.08	75	251976	150.275	ug/l	98
37) Ethyl Acetate	7.26	43	103297	193.189	ug/l	98
38) Carbon Tetrachloride	8.07	117	239522	124.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	324372	154.365	ug/l	95
40) Benzene	8.32	78	694918	155.892	ug/l	98
41) Methacrylonitrile	7.49	41	64110	209.053	ug/l	96
42) 1,2-Dichloroethane	8.40	62	189451	131.214	ug/l	99
43) Isopropyl Acetate	8.43	43	211339	199.992	ug/l	99
44) Trichloroethene	9.09	130	184174	143.705	ug/l	99
45) 1,2-Dichloropropane	9.37	63	174483	176.464	ug/l	98
46) Dibromomethane	9.46	93	84810	151.801	ug/l	93
47) Bromodichloromethane	9.65	83	221007	142.470	ug/l	98
48) Methyl methacrylate	9.44	41	106993	200.449	ug/l	97
49) 1,4-Dioxane	9.48	88	27364	3270.821	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	497292	1002.732	ug/l	99
52) Toluene	10.39	92	437801	148.988	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	234207	155.022	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	278353	163.574	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	119023	156.893	ug/l	99
56) Ethyl methacrylate	10.65	69	162927	185.158	ug/l	99
57) 1,3-Dichloropropane	10.93	76	218021	165.535	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	405338	943.369	ug/l	98
59) 2-Hexanone	10.97	43	339992	996.218	ug/l	100
60) Dibromochloromethane	11.13	129	144823	142.735	ug/l	100
61) 1,2-Dibromoethane	11.24	107	117888	155.205	ug/l	99
64) Tetrachloroethene	10.87	164	153915	149.572	ug/l	95
65) Chlorobenzene	11.66	112	470998	145.504	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	160113	138.399	ug/l	100
67) Ethyl Benzene	11.73	91	845882	146.196	ug/l	98
68) m/p-Xylenes	11.84	106	645532	289.326	ug/l	98
69) o-Xylene	12.17	106	301628	145.353	ug/l	99
70) Styrene	12.18	104	491696	145.740	ug/l	98
71) Bromoform	12.35	173	81865	153.370	ug/l #	97
73) Isopropylbenzene	12.47	105	818665	144.606	ug/l	100
74) N-amyl acetate	12.27	43	195158	207.213	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	131919	176.637	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	99258m	170.807	ug/l	
77) Bromobenzene	12.75	156	183464	152.092	ug/l	91
78) n-propylbenzene	12.81	91	982928	148.084	ug/l	98
79) 2-Chlorotoluene	12.90	91	551958	144.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	664555	137.350	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	44332	179.228	ug/l	95
82) 4-Chlorotoluene	12.99	91	567252	140.130	ug/l	98
83) tert-Butylbenzene	13.21	119	592424	139.398	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	671592	136.370	ug/l	98
85) sec-Butylbenzene	13.39	105	849556	144.014	ug/l	99
86) p-Isopropyltoluene	13.50	119	737006	139.291	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	354198	144.328	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	353018	144.992	ug/l	98
89) n-Butylbenzene	13.83	91	717506	146.757	ug/l	99
90) Hexachloroethane	14.10	117	133349	145.704	ug/l	87
91) 1,2-Dichlorobenzene	13.87	146	313158	144.963	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	21750	148.016	ug/l	88

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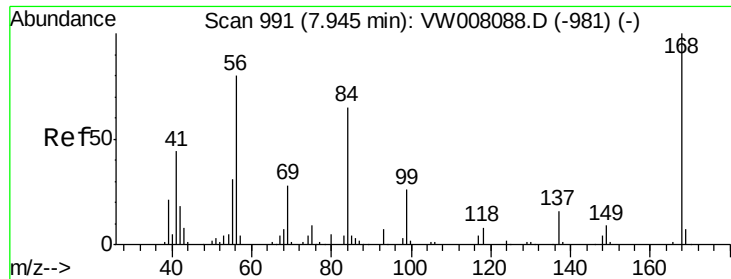
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	224064	150.328	ug/l	97
94) Hexachlorobutadiene	15.24	225	127175	148.859	ug/l	100
95) Naphthalene	15.37	128	419659	162.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	192577	155.291	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 105960

Ion Ratio Lower Upper

168 100

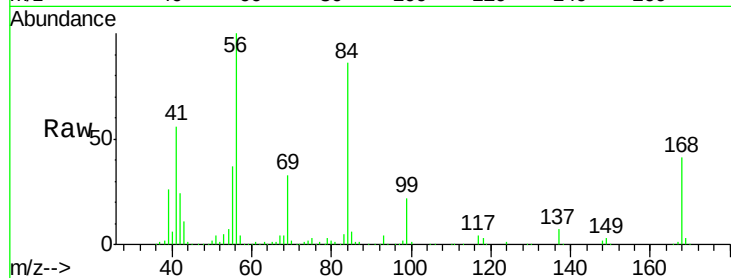
99 54.6 52.6 78.8

Manual Integrations

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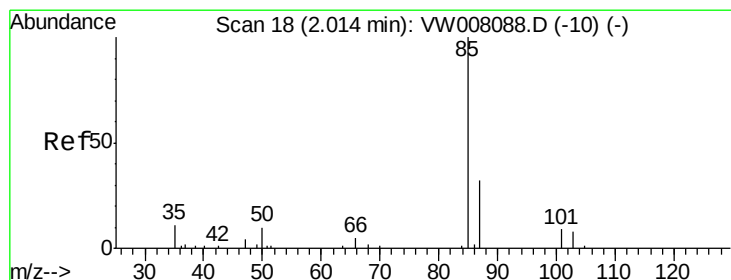
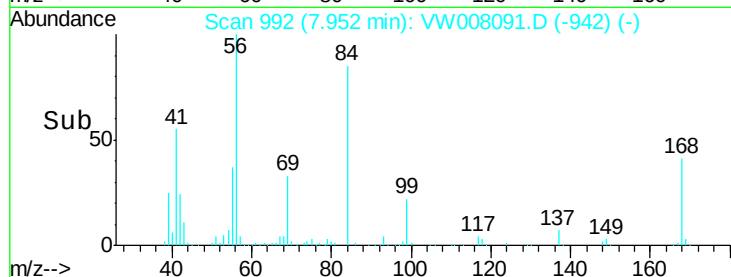
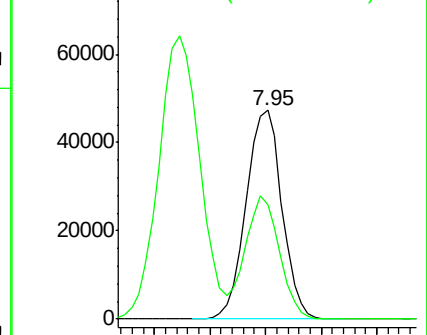
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 129.234 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008091.D

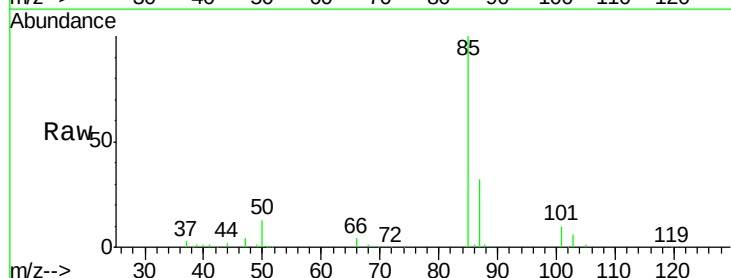
Acq: 08 Jan 2019 17:55

Tgt Ion: 85 Resp: 120932

Ion Ratio Lower Upper

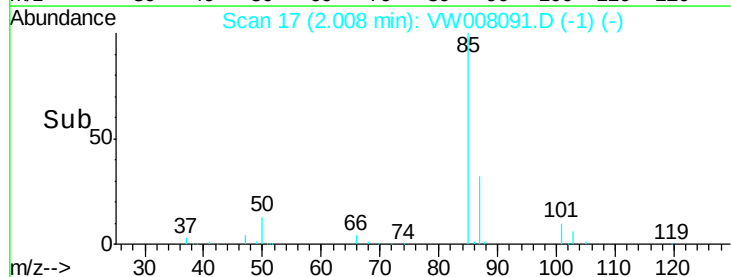
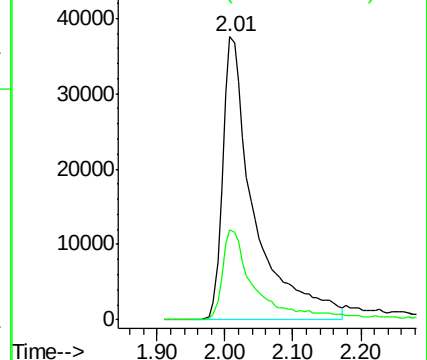
85 100

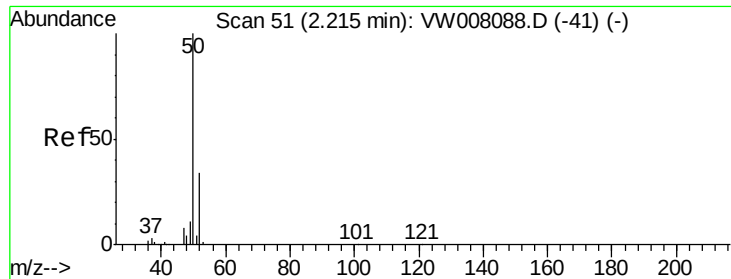
87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 189.972 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 147356

Ion Ratio Lower Upper

50 100

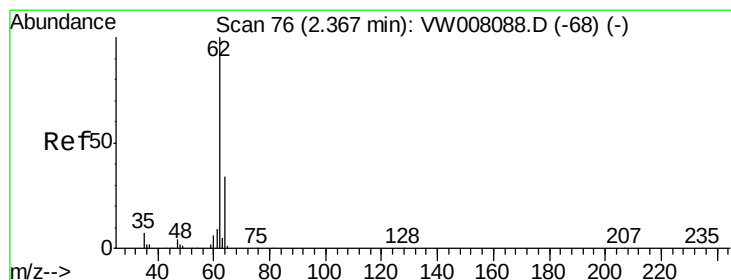
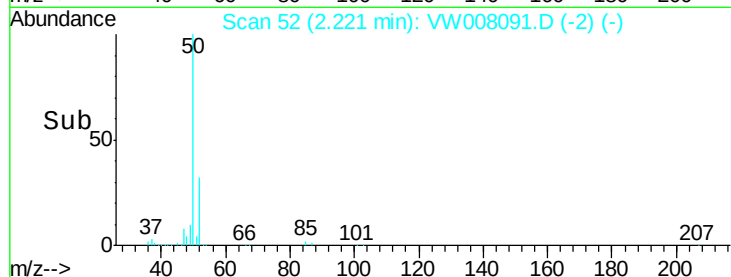
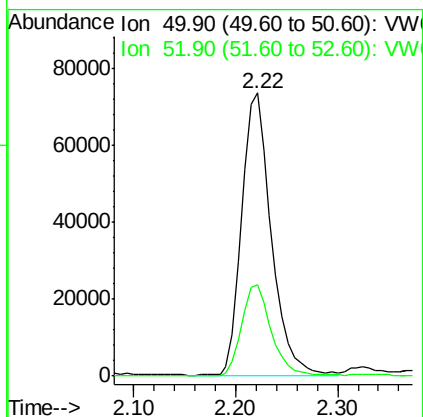
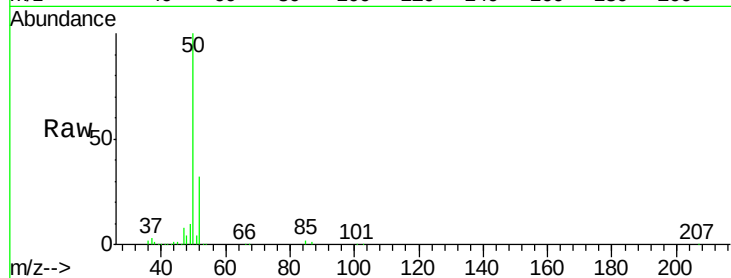
52 32.2 26.8 40.2

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#4

Vinyl Chloride

Concen: 185.446 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008091.D

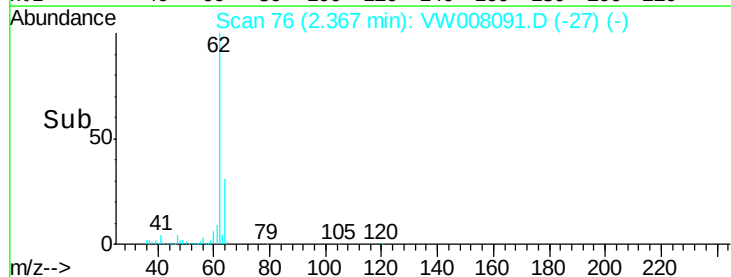
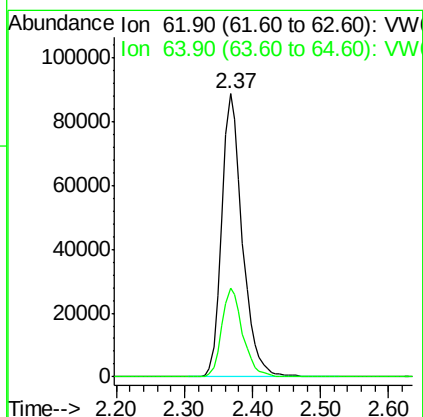
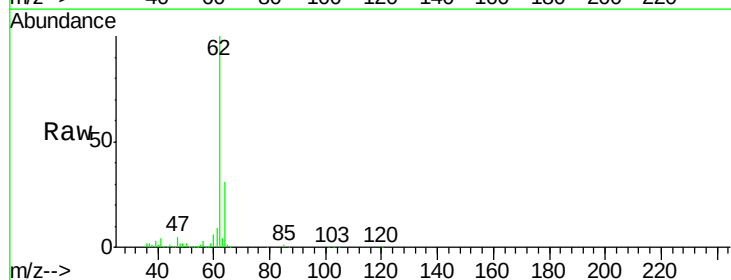
Acq: 08 Jan 2019 17:55

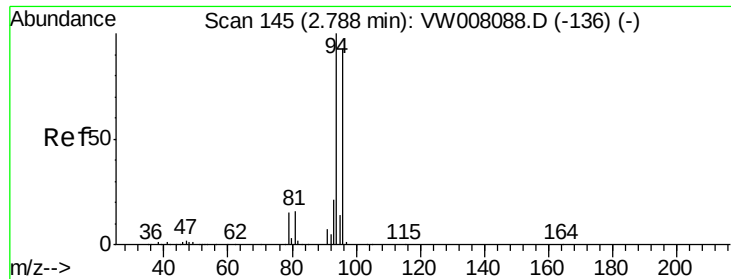
Tgt Ion: 62 Resp: 187103

Ion Ratio Lower Upper

62 100

64 31.3 27.0 40.6





#5

Bromomethane

Concen: 258.166 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 169309

Ion Ratio Lower Upper

94 100

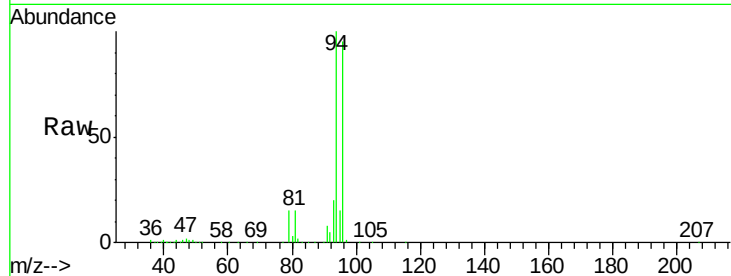
96 94.6 74.1 111.1

Manual Integrations

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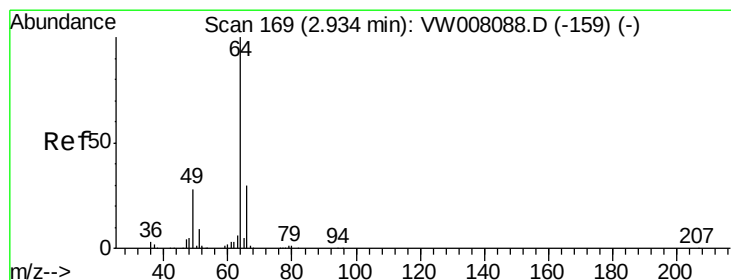
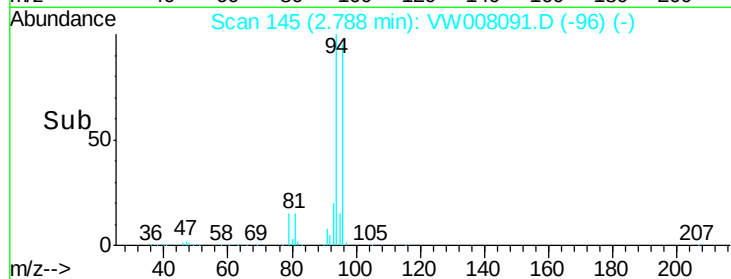
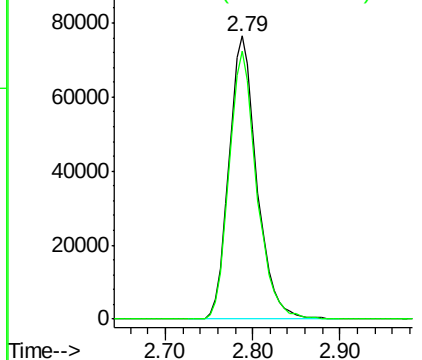
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 314.533 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008091.D

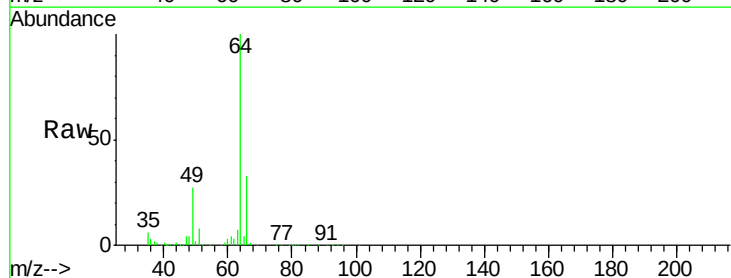
Acq: 08 Jan 2019 17:55

Tgt Ion: 64 Resp: 176258

Ion Ratio Lower Upper

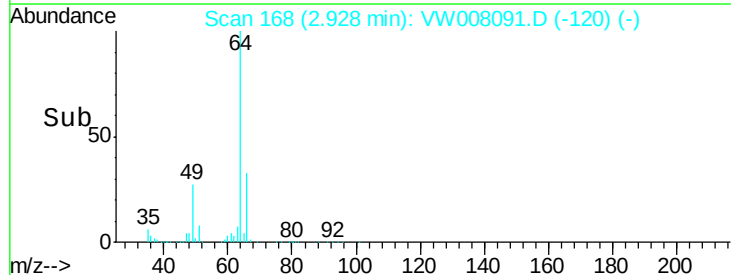
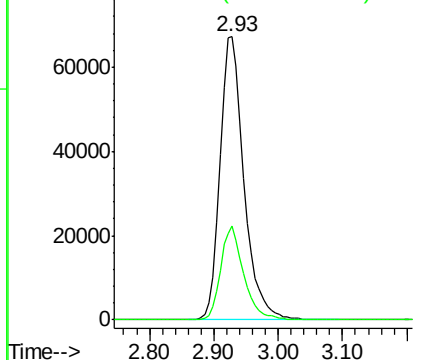
64 100

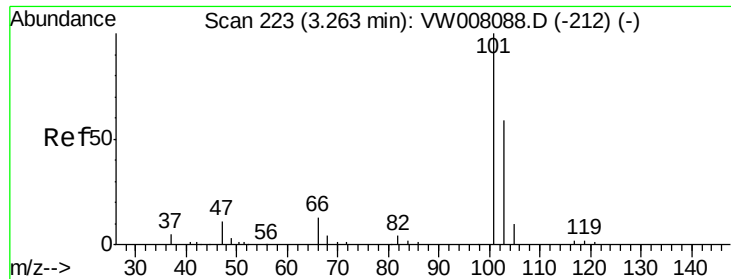
66 33.2 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

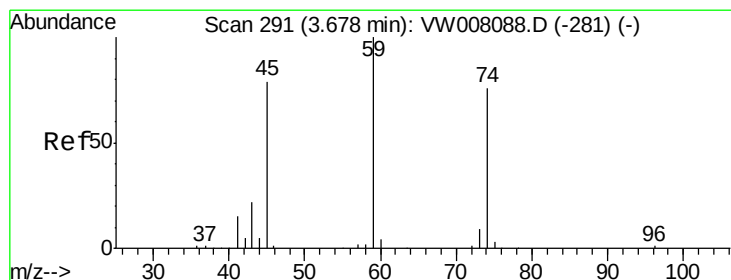
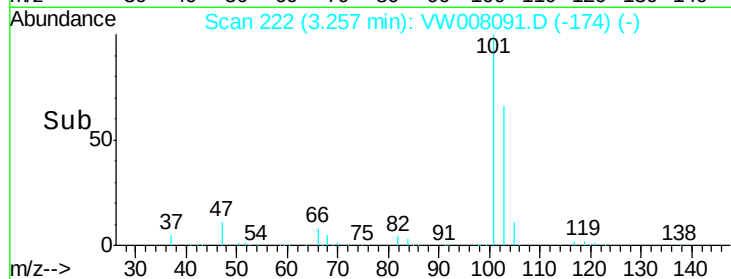
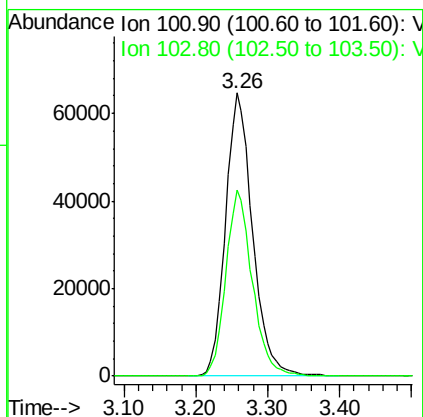
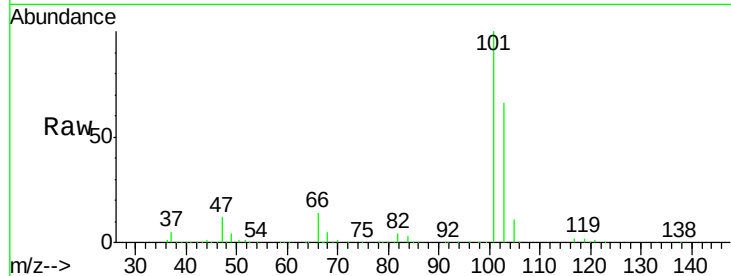
Trichlorofluoromethane
 Concen: 173.972 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

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 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	47.0	70.6

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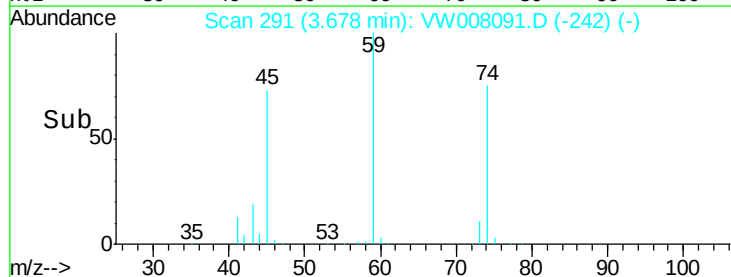
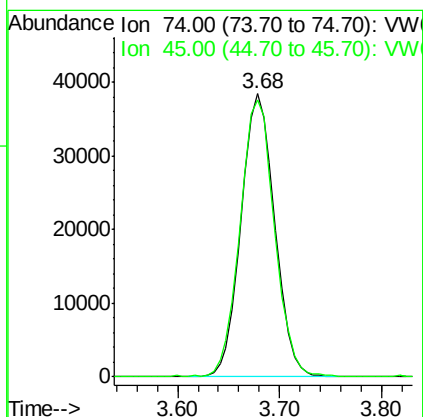
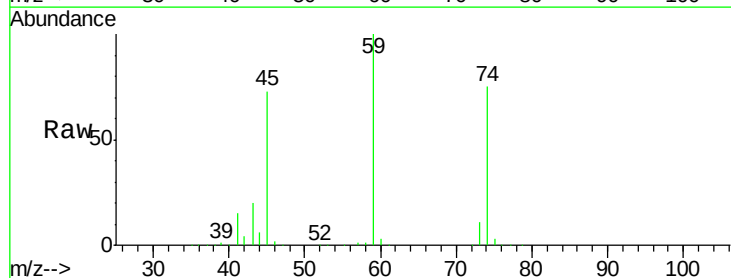
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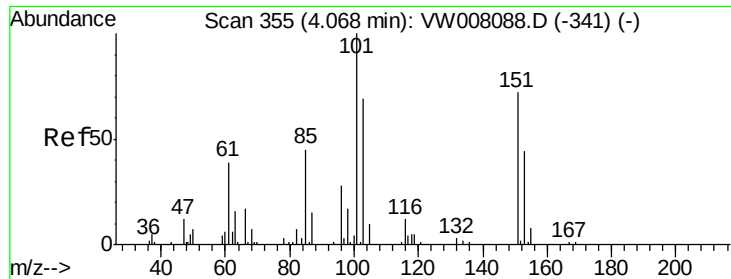


#8

Diethyl Ether
 Concen: 173.045 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 145.560 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

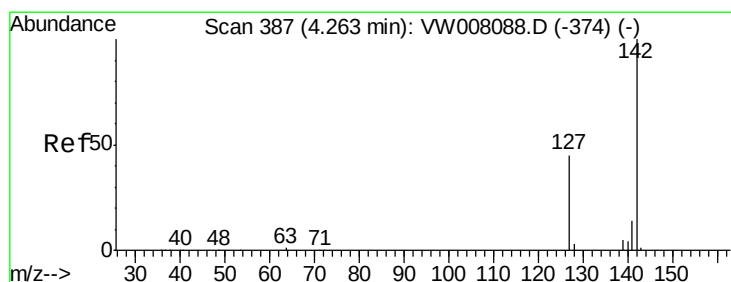
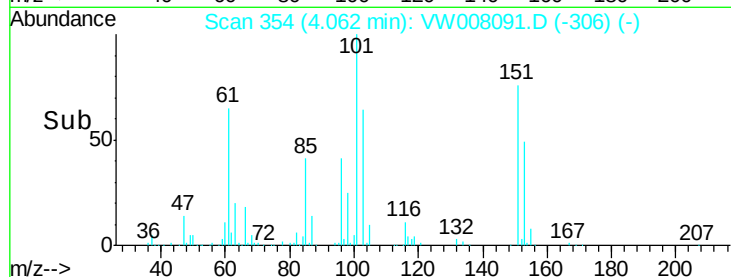
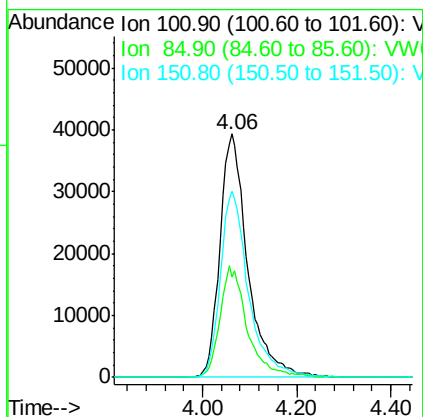
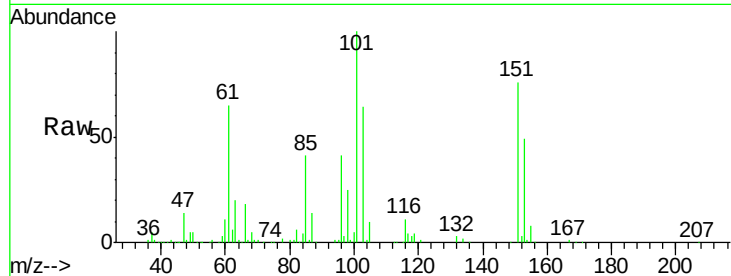
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	161685
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.9	53.9
151	77.0	55.8	83.8

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#10

Methyl Iodide

Concen: 145.577 ug/l

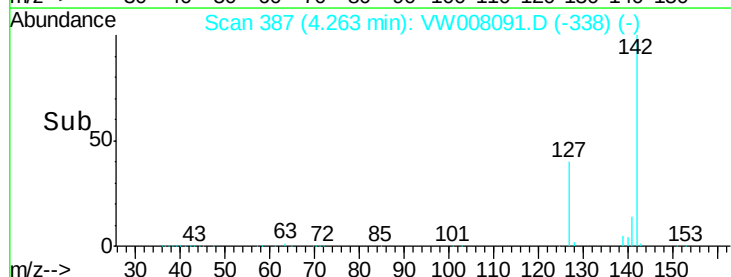
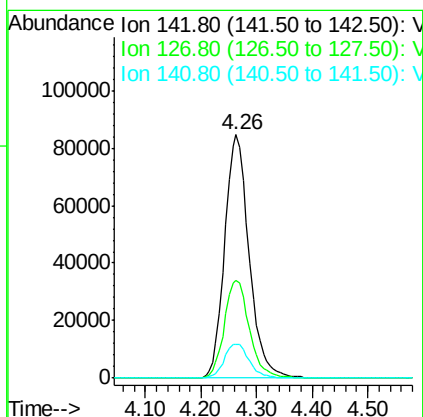
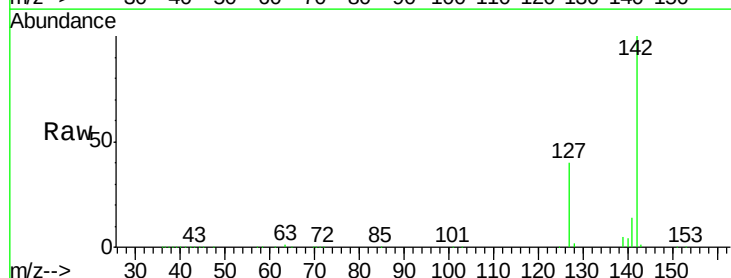
RT: 4.26 min Scan# 387

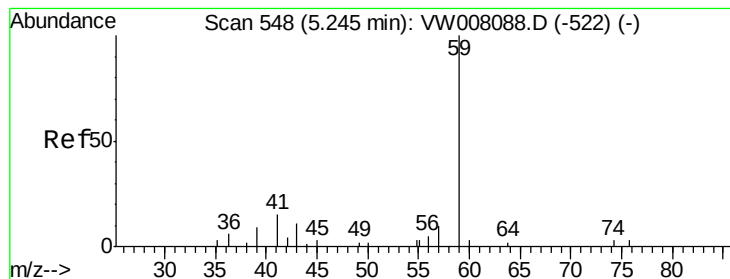
Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion:	142	Resp:	257186
Ion Ratio	Lower	Upper	
142	100		
127	41.2	35.0	52.4
141	14.5	11.8	17.6





#11

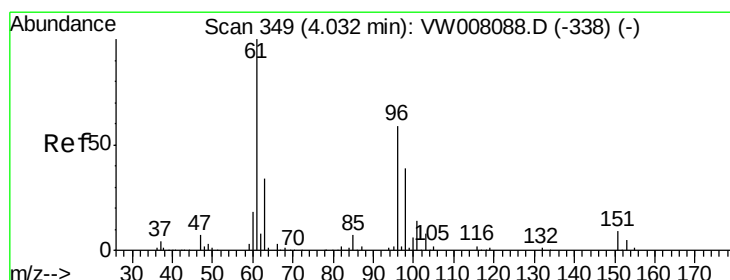
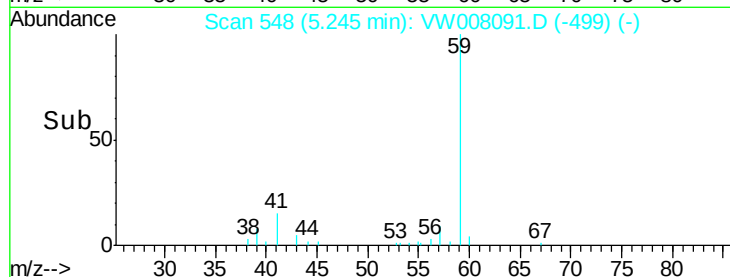
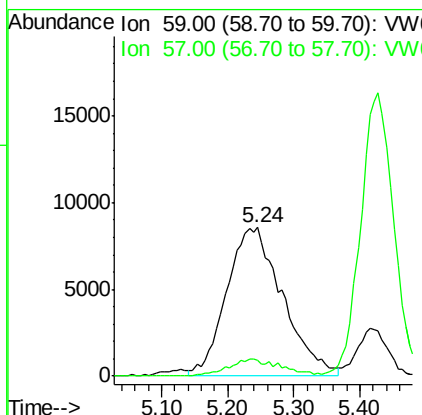
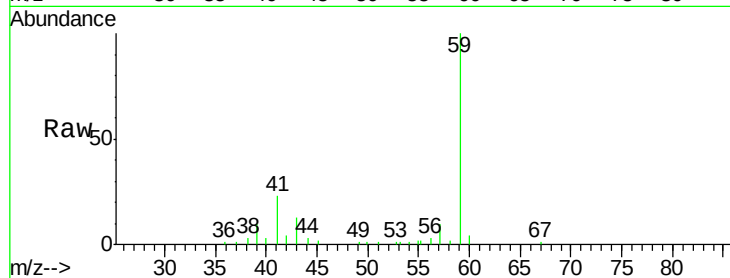
Tert butyl alcohol
Concen: 651.438 ug/l
RT: 5.24 min Scan# 548
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	0.0	0.0#

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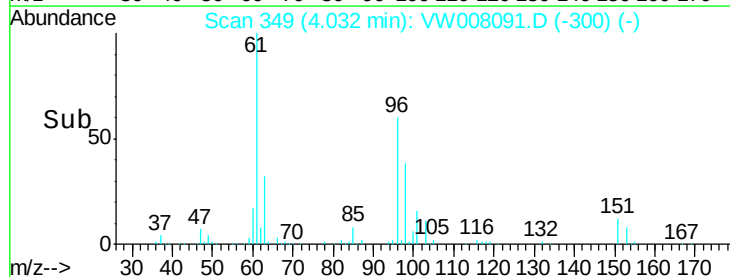
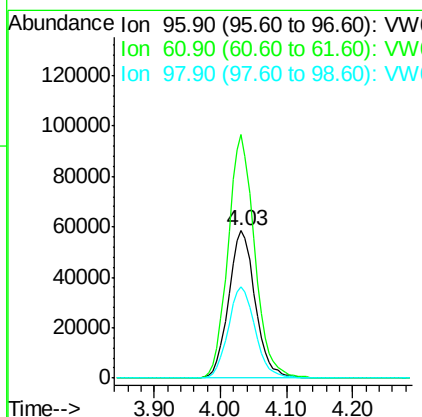
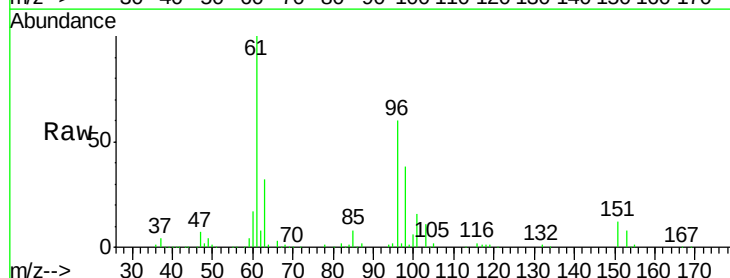
MMDadoda
1/9/2019 11:08:10 AM

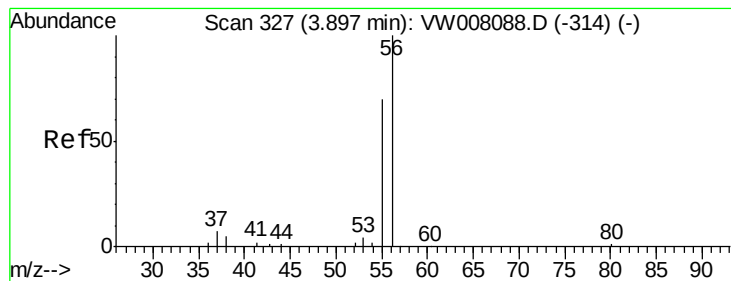


#12

1,1-Dichloroethene
Concen: 152.113 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.6	135.4	203.2
98	62.2	52.5	78.7





#13

Acrolein

Concen: 994.197 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 56904

Ion Ratio Lower Upper

56 100

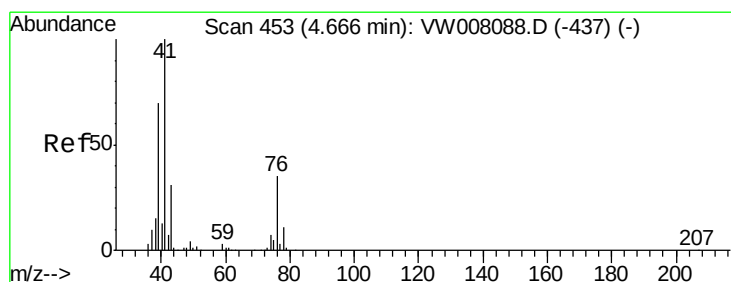
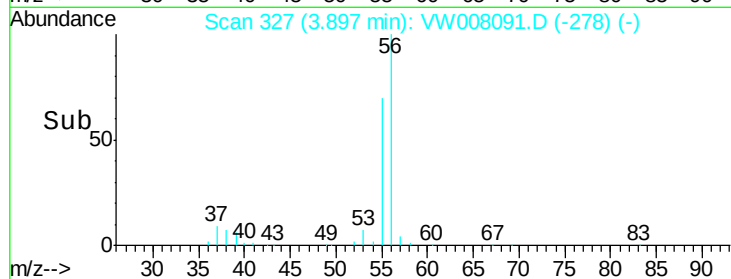
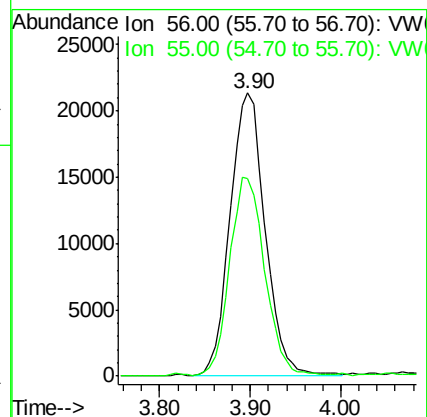
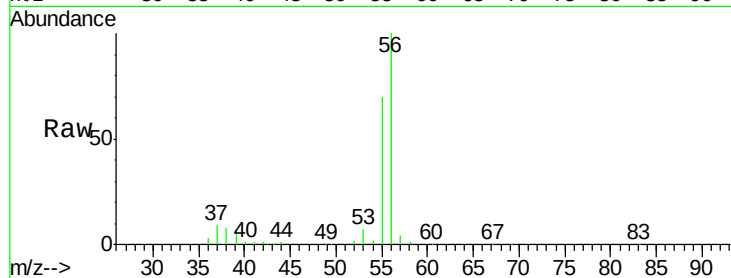
55 70.0 56.6 84.8

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#14

Allyl chloride

Concen: 190.097 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

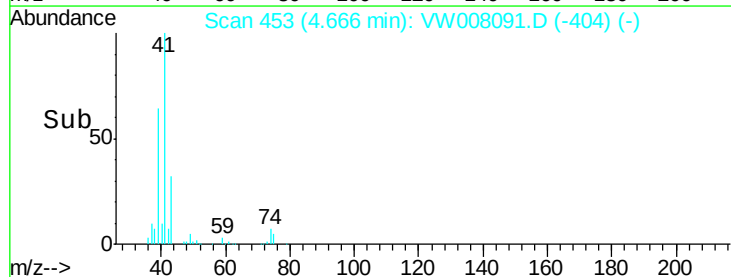
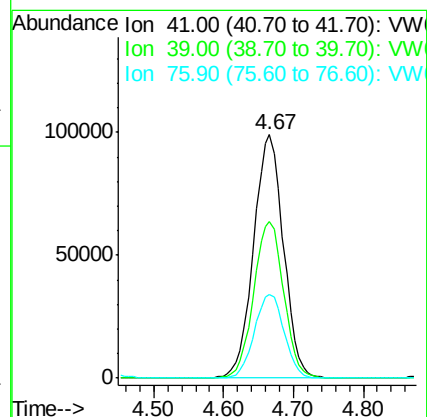
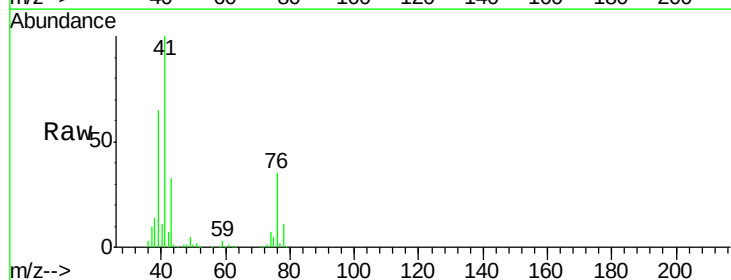
Tgt Ion: 41 Resp: 293388

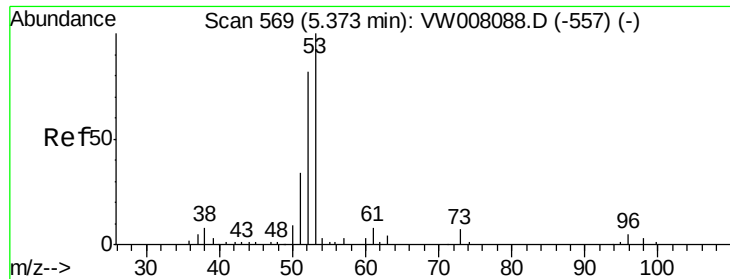
Ion Ratio Lower Upper

41 100

39 64.4 53.8 80.8

76 34.6 27.6 41.4





#15

Acrylonitrile

Concen: 944.456 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

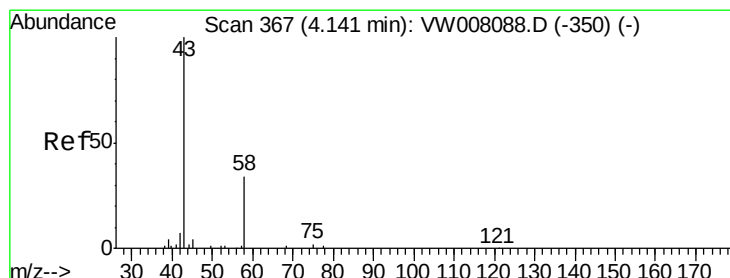
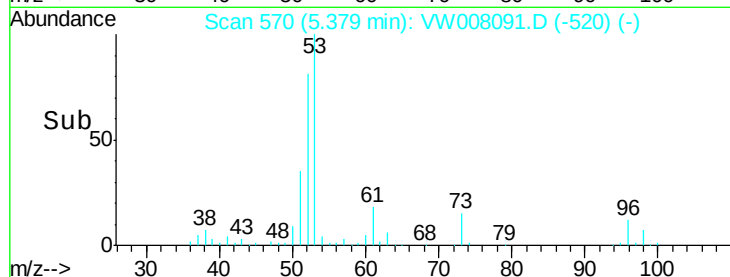
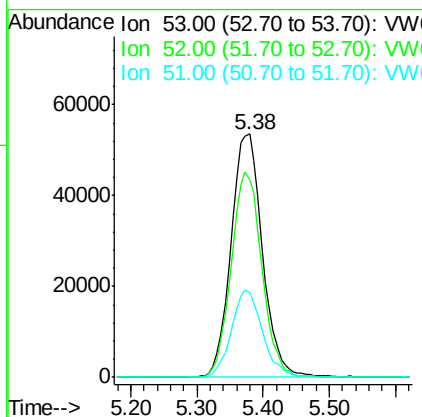
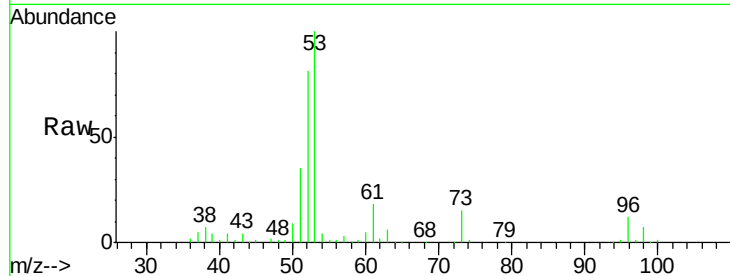
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	176868
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.8	100.2
51	35.4	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 805.225 ug/l

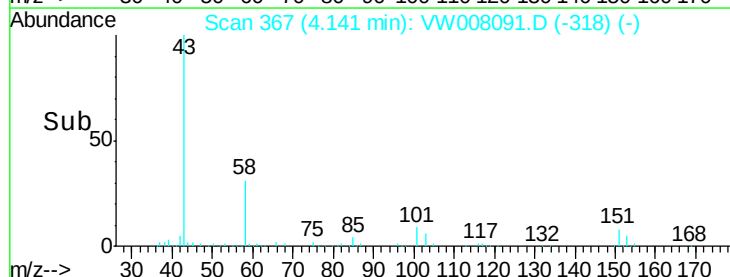
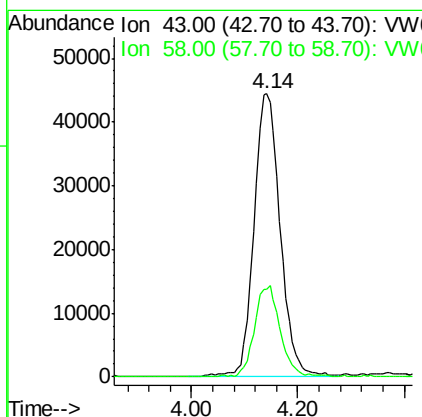
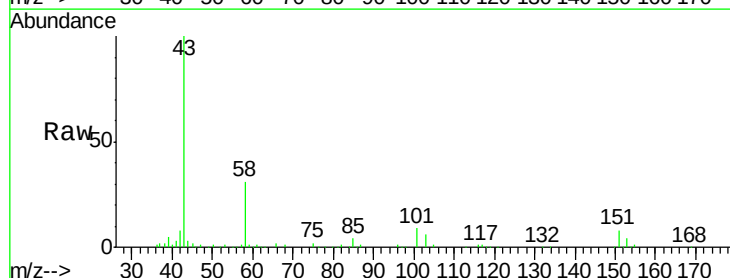
RT: 4.14 min Scan# 367

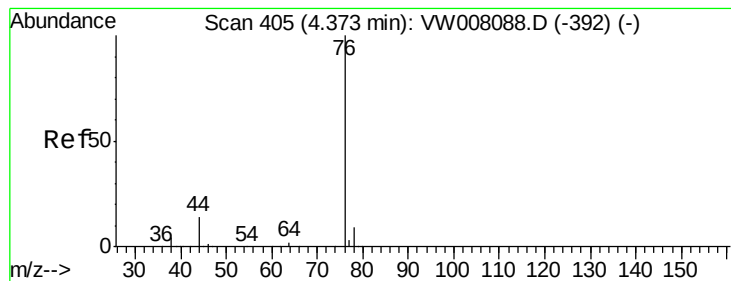
Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion:	43	Resp:	151315
Ion	Ratio	Lower	Upper
43	100		
58	30.8	27.5	41.3





#17

Carbon Disulfide

Concen: 156.477 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 514604

Ion Ratio Lower Upper

76 100

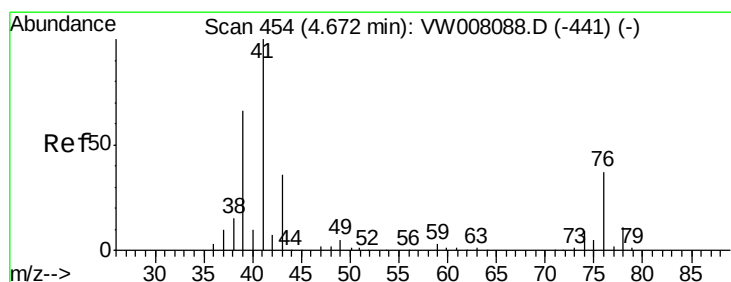
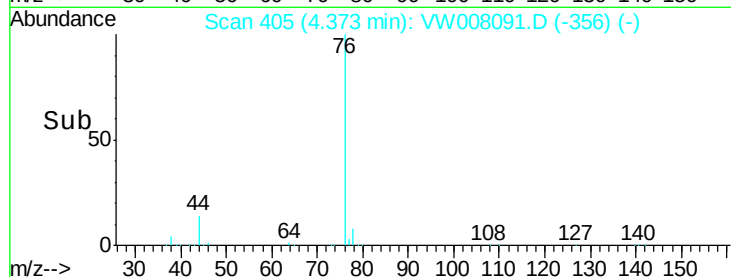
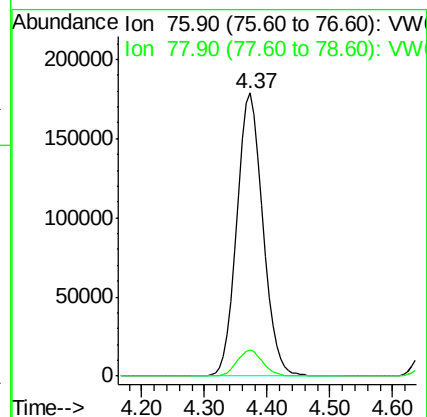
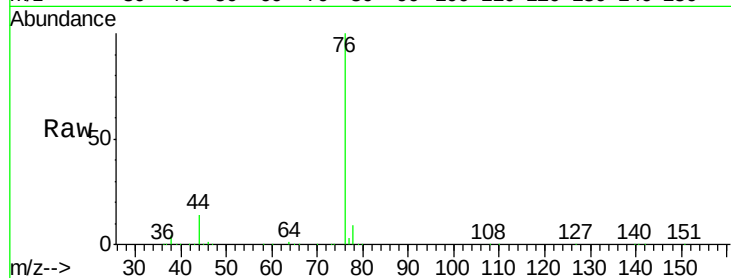
78 9.1 7.0 10.6

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#18

Methyl Acetate

Concen: 209.099 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW008091.D

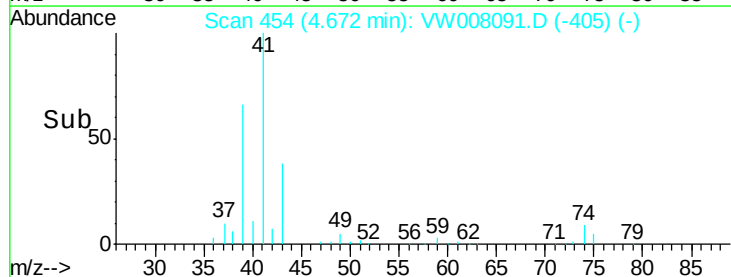
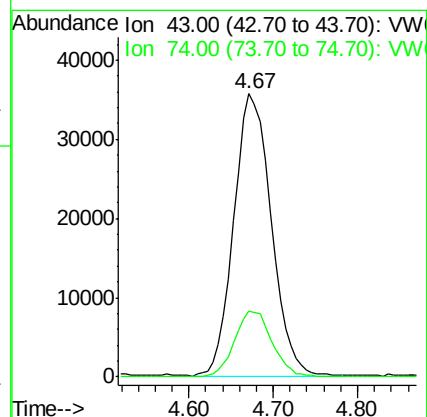
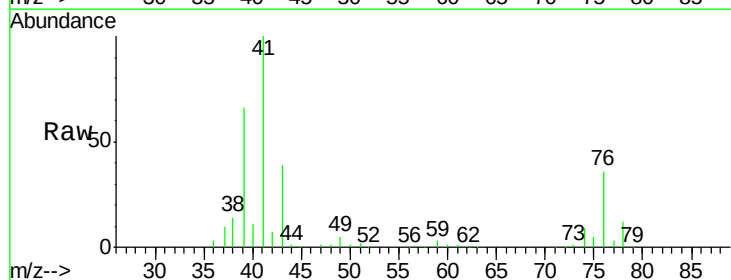
Acq: 08 Jan 2019 17:55

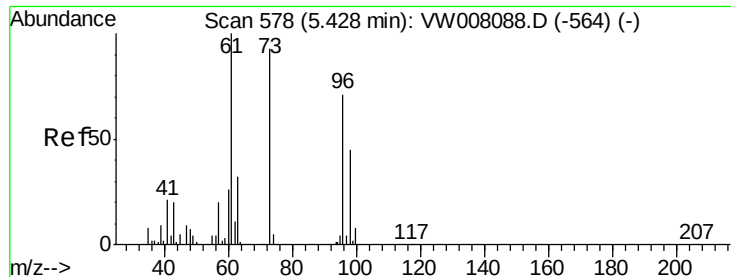
Tgt Ion: 43 Resp: 107638

Ion Ratio Lower Upper

43 100

74 23.4 19.0 28.4





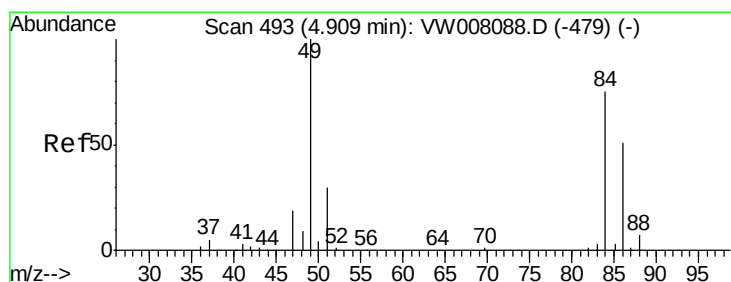
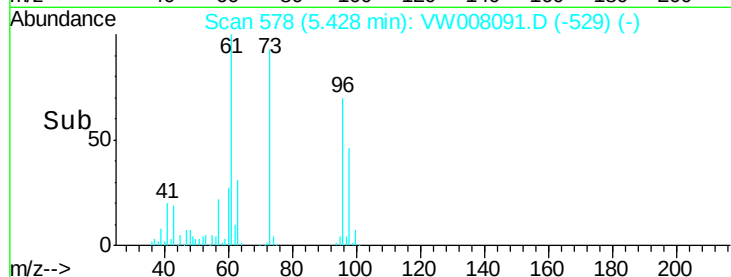
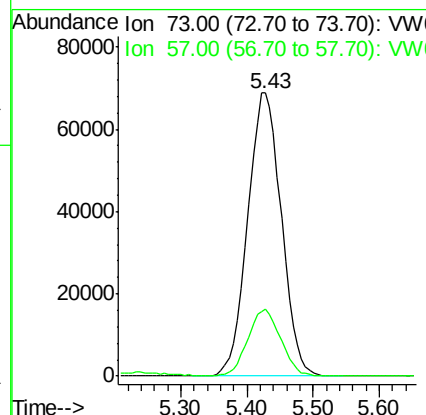
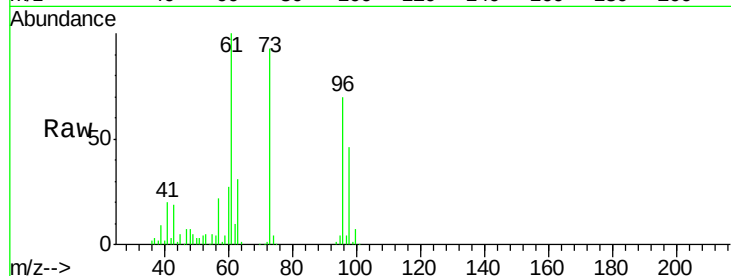
#19
Methyl tert-butyl Ether
Concen: 144.027 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.7	16.7	25.1

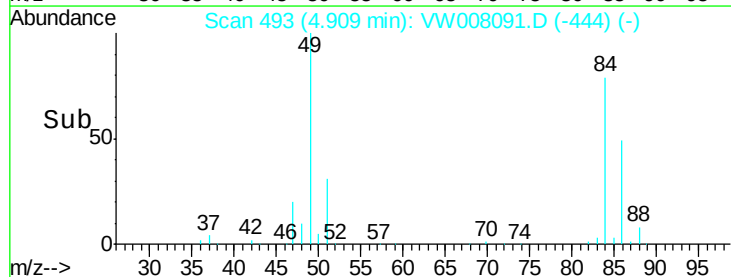
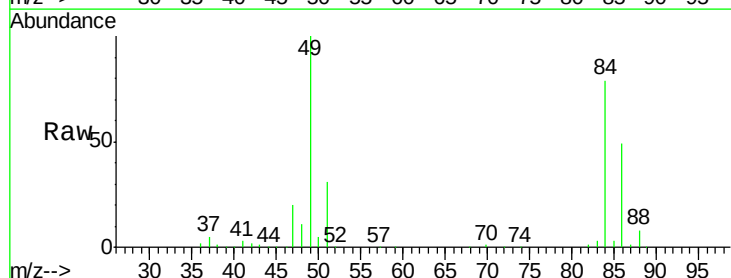
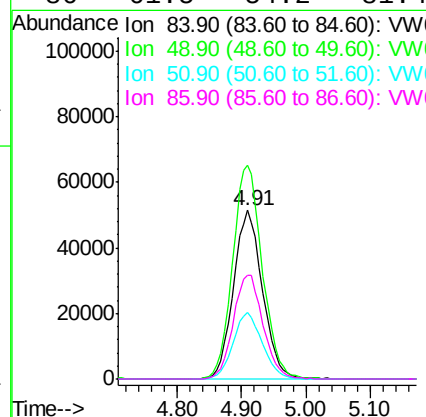
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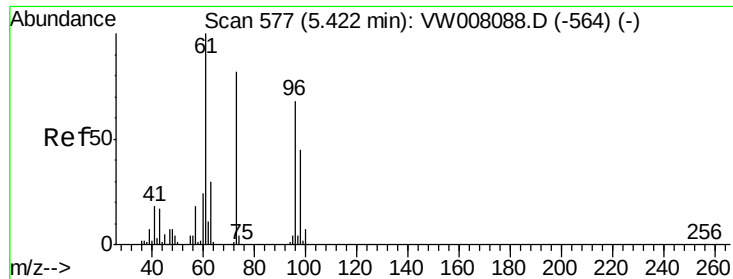
MMDadoda
1/9/2019 11:08:10 AM



#20
Methylene Chloride
Concen: 128.493 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.6	107.1	160.7
51	39.2	32.4	48.6
86	61.5	54.2	81.4





#21

trans-1,2-Dichloroethene

Concen: 144.706 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

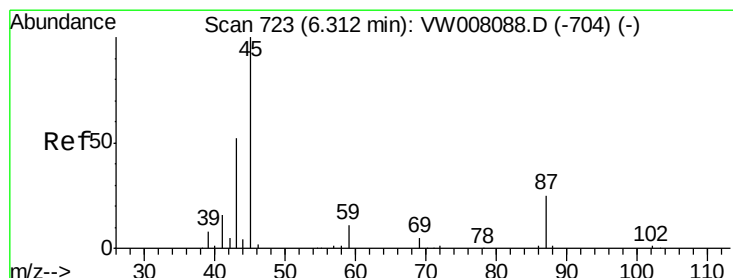
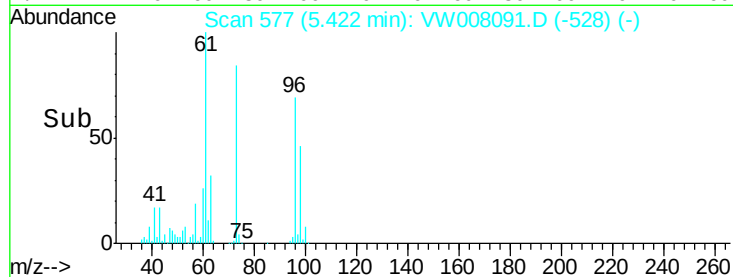
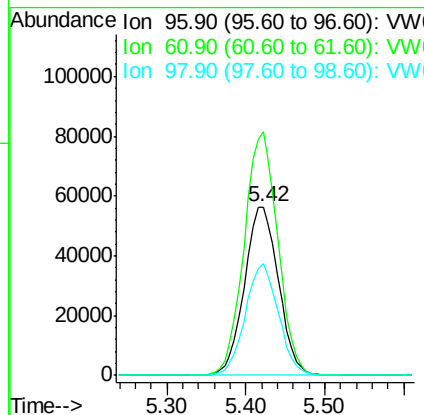
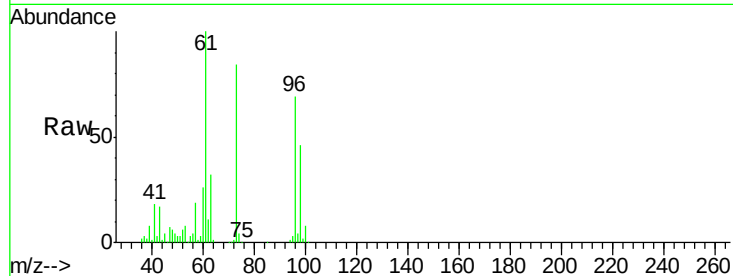
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	169044
Ion	Ratio	Lower	Upper
96	100		
61	144.2	117.4	176.0
98	66.0	52.2	78.4

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#22

Diisopropyl ether

Concen: 191.088 ug/l

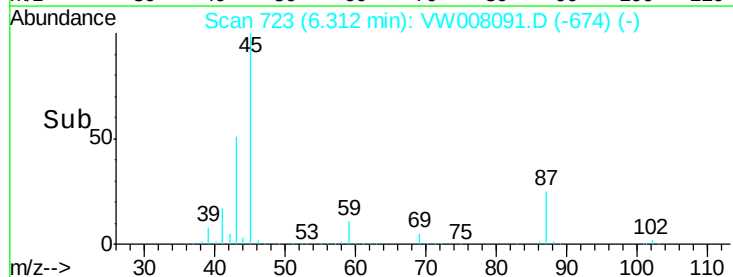
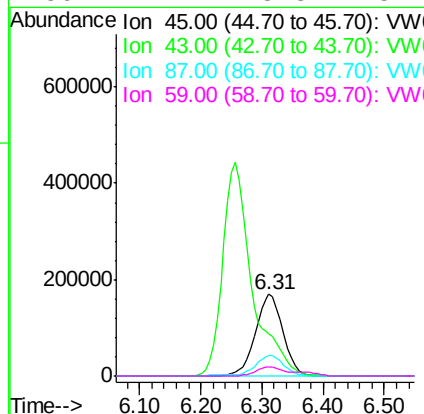
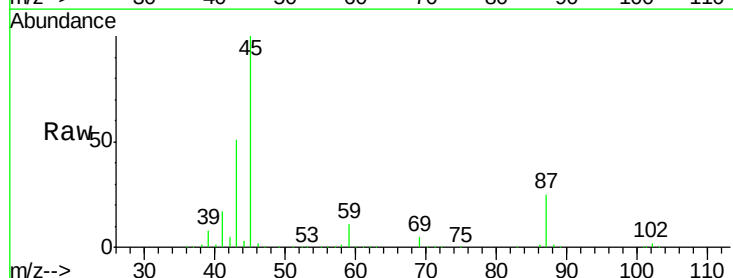
RT: 6.31 min Scan# 723

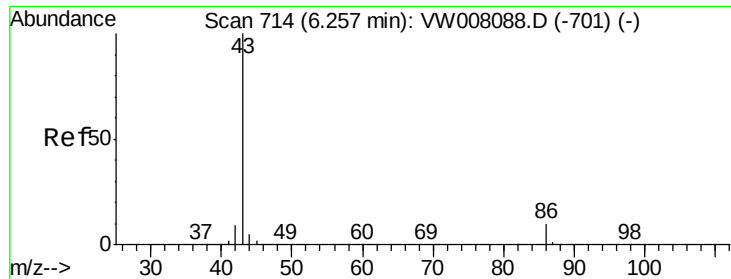
Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion:	45	Resp:	533699
Ion	Ratio	Lower	Upper
45	100		
43	51.2	41.7	62.5
87	25.4	20.1	30.1
59	11.4	8.8	13.2





#23

Vinyl Acetate

Concen: 952.873 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleID :

VSTDIC150

Tot Ion: 43 Resp: 1469980

Ion Ratio Lower Upper

43 100

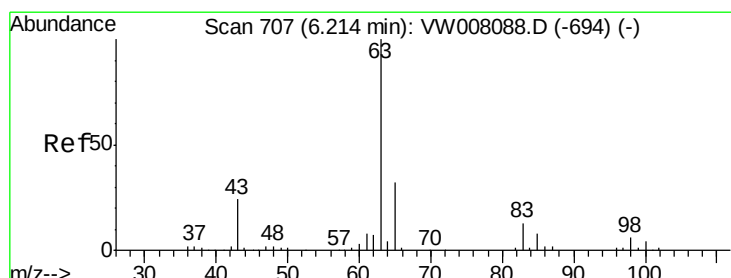
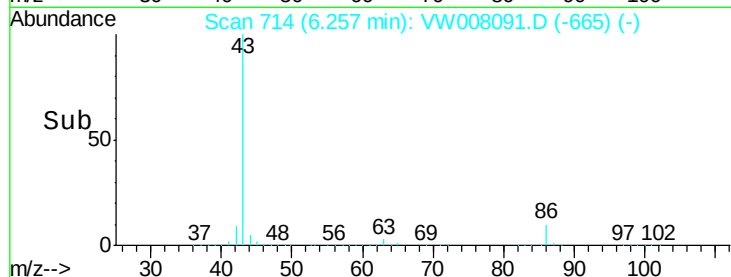
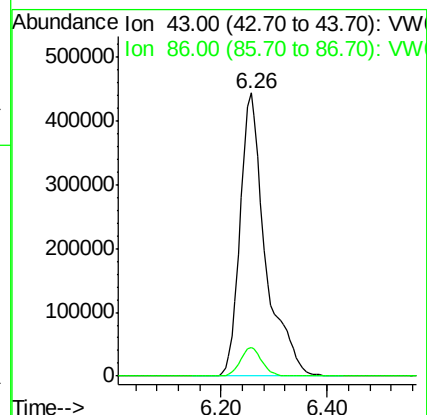
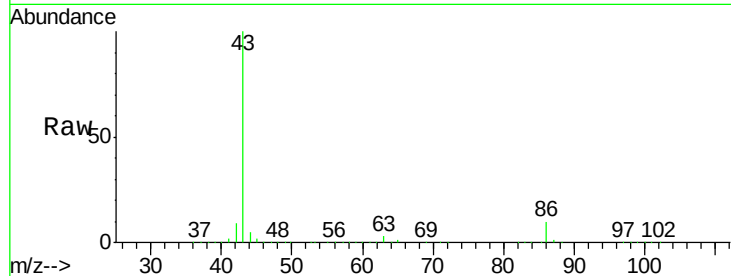
86 10.2 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 156.337 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

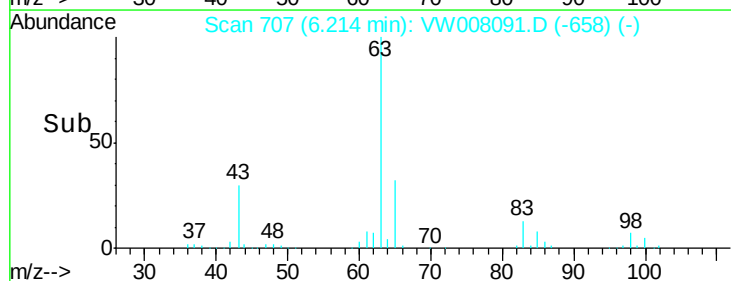
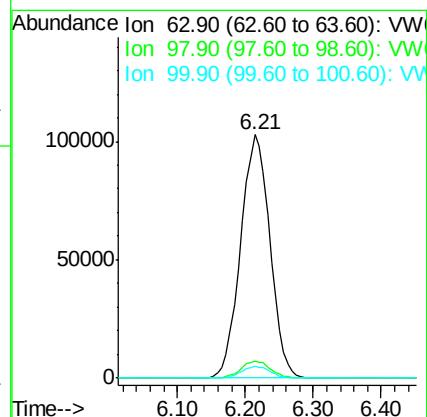
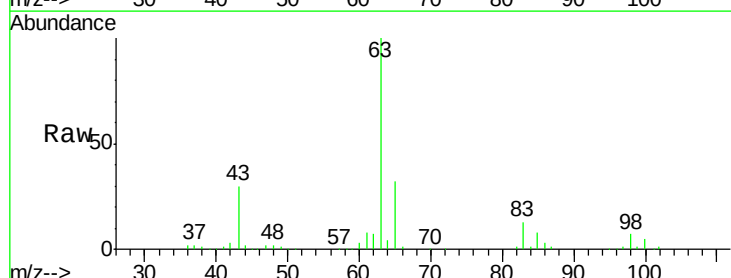
Tgt Ion: 63 Resp: 308265

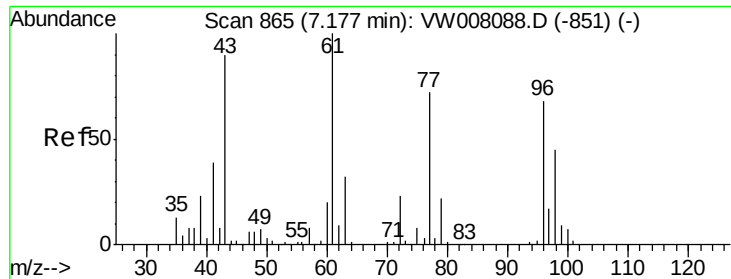
Ion Ratio Lower Upper

63 100

98 6.9 3.2 9.6

100 4.9 2.0 6.0





#25

2-Butanone

Concen: 942.533 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 216334

Ion Ratio Lower Upper

43 100

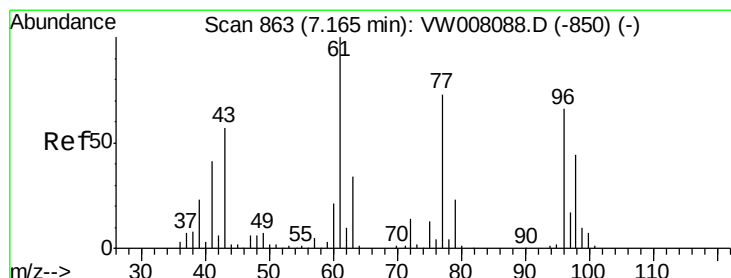
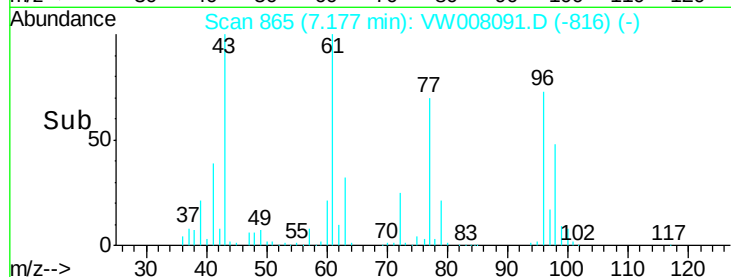
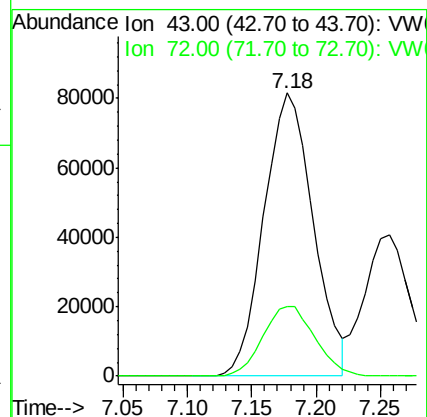
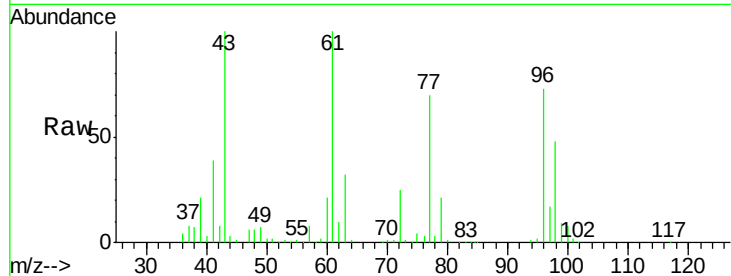
72 24.8 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 123.535 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008091.D

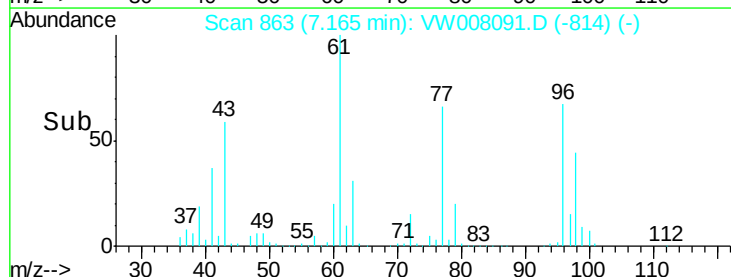
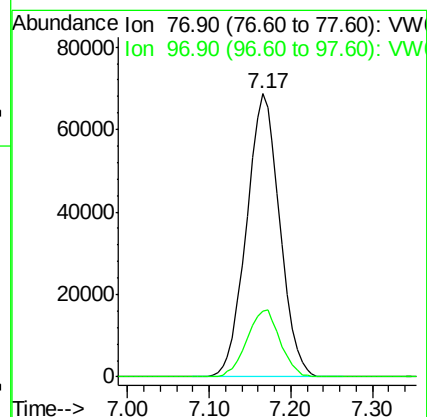
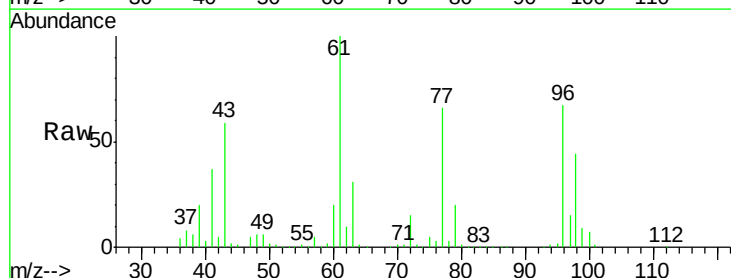
Acq: 08 Jan 2019 17:55

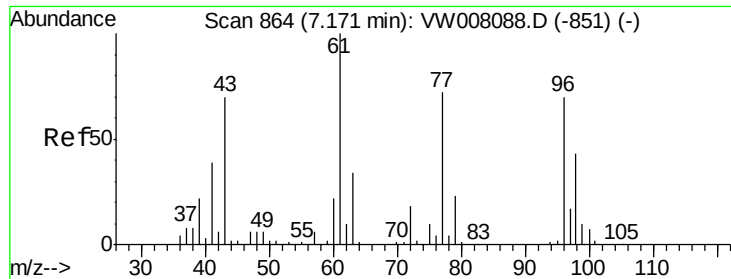
Tgt Ion: 77 Resp: 194180

Ion Ratio Lower Upper

77 100

97 23.8 11.4 34.1





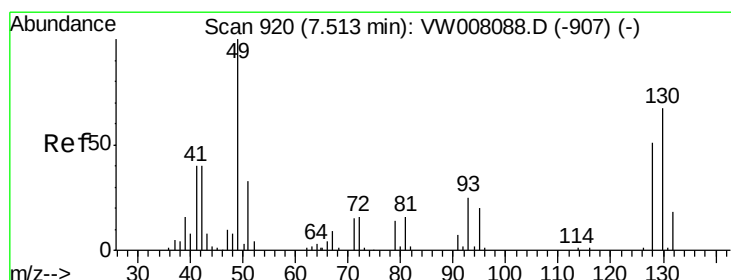
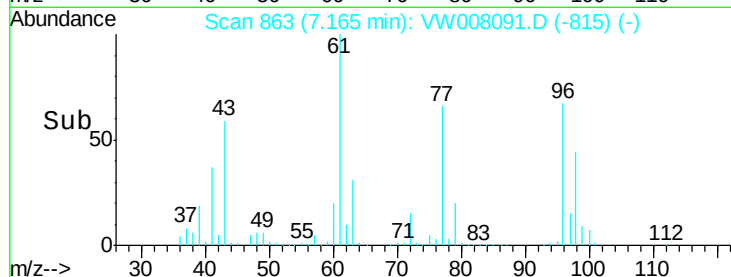
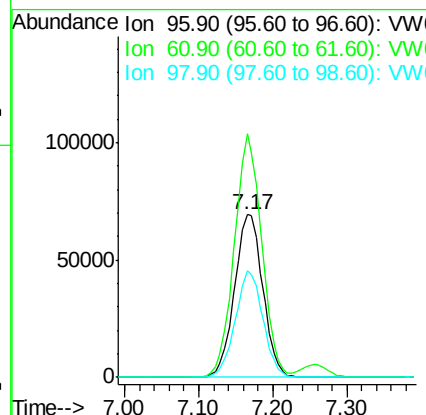
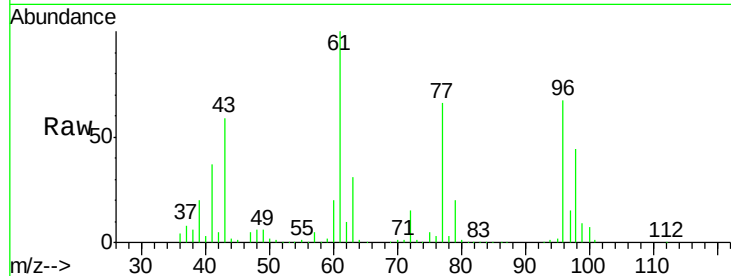
#27
 cis-1,2-Dichloroethene
 Concen: 147.531 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	184063		
61	145.1	0.0	300.4	
98	64.1	0.0	128.4	

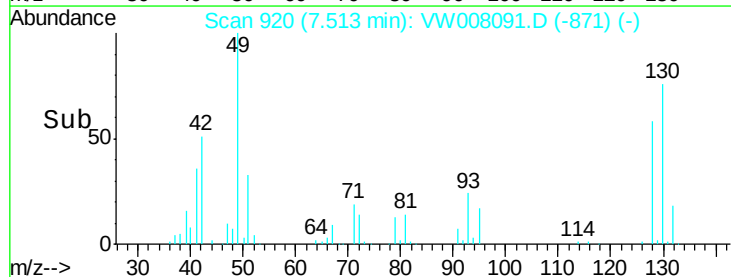
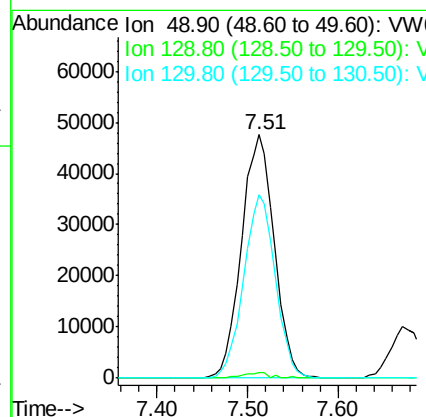
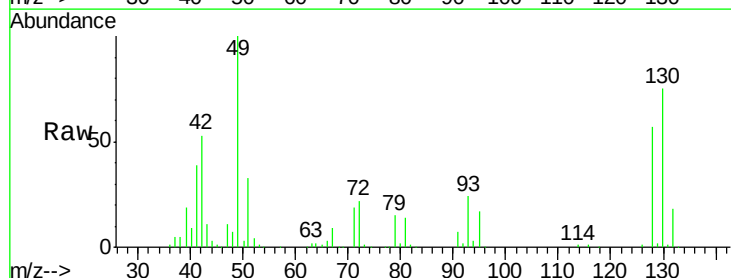
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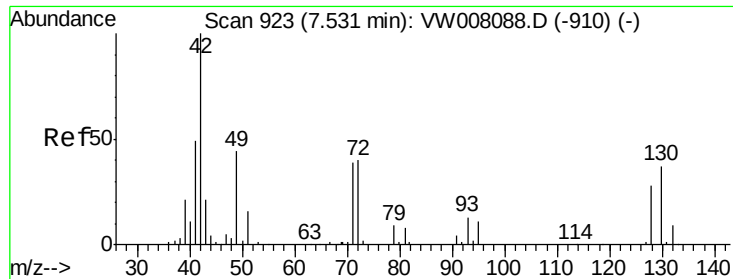
MMDadoda
 1/9/2019 11:08:10 AM



#28
 Bromochloromethane
 Concen: 177.335 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	118850		
129	1.8	0.0	2.8	
130	73.1	54.3	81.5	





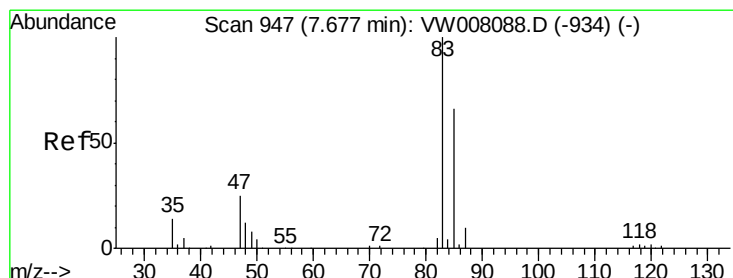
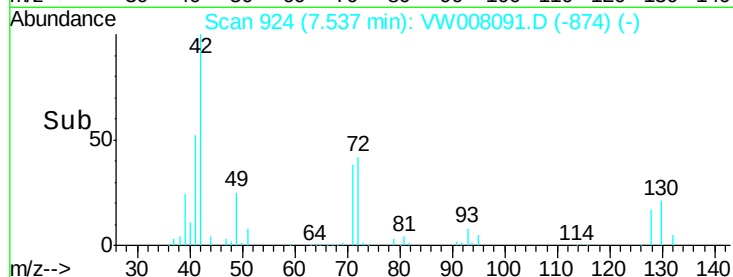
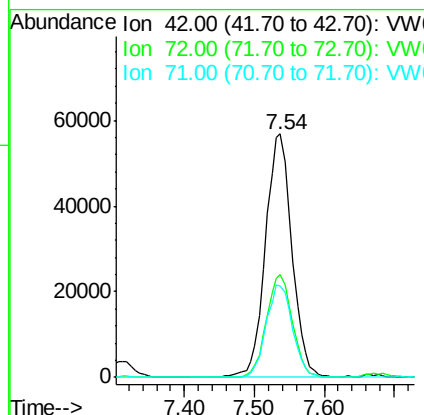
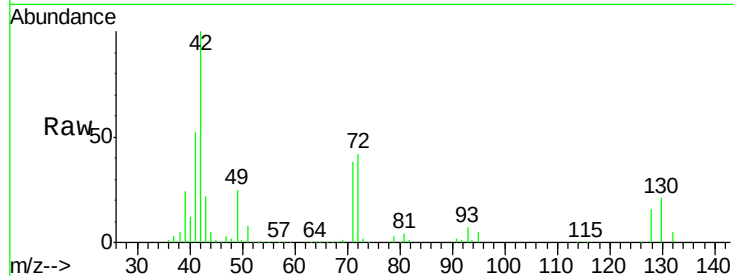
#29
Tetrahydrofuran
Concen: 1021.237 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	32.4	48.6
71	38.0	31.3	46.9

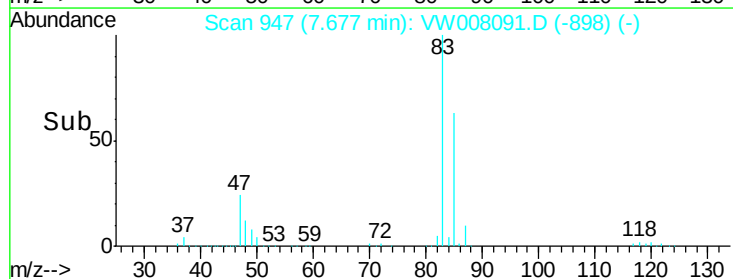
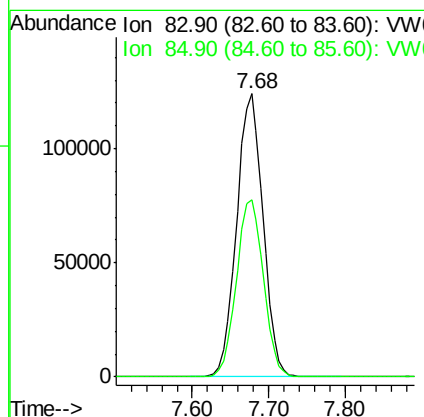
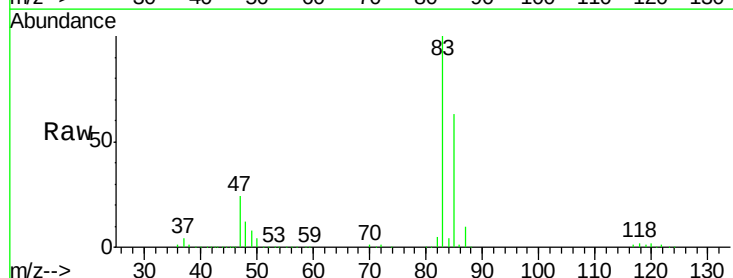
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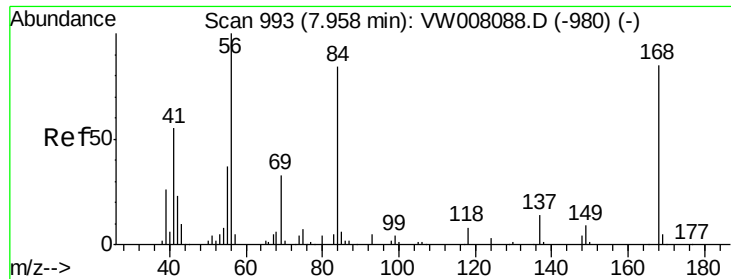
MMDadoda
1/9/2019 11:08:10 AM



#30
Chloroform
Concen: 137.389 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.2	79.8





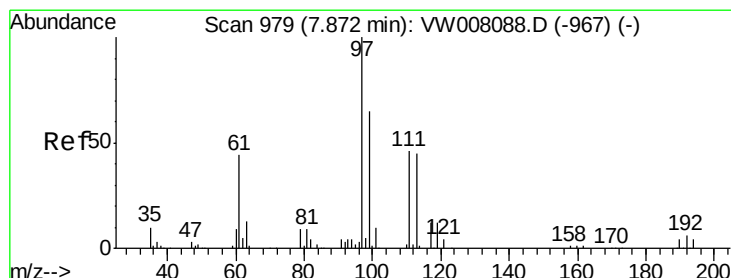
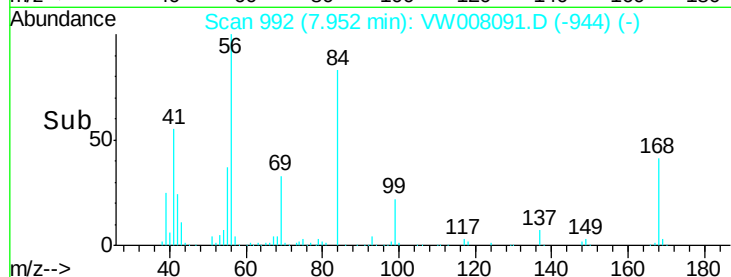
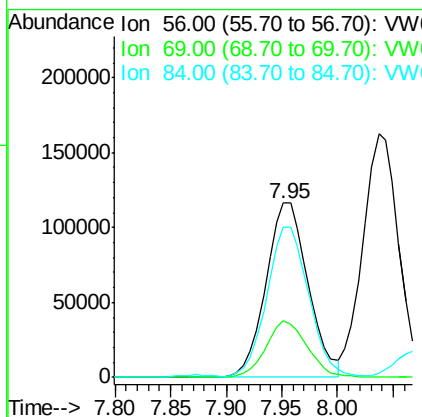
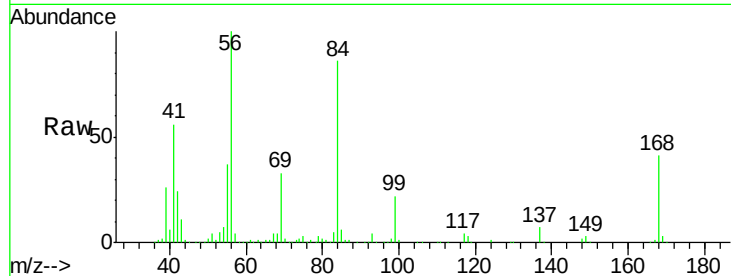
#31
Cyclohexane
Concen: 162.034 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.2	39.4
84	85.2	67.4	101.2

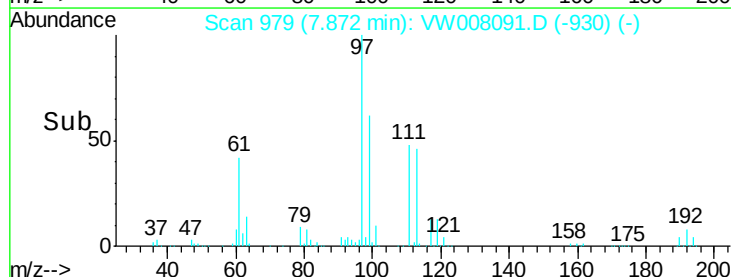
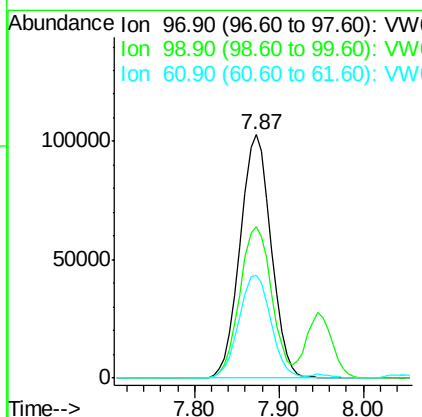
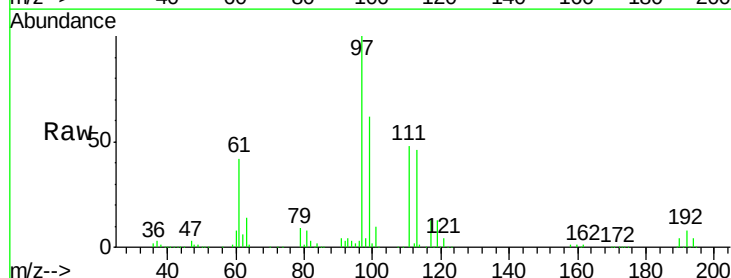
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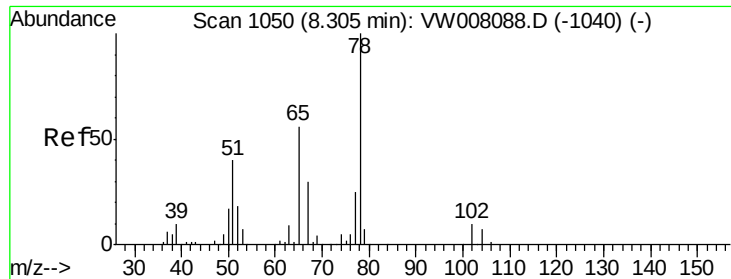
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 126.619 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.4	77.0
61	43.7	35.6	53.4





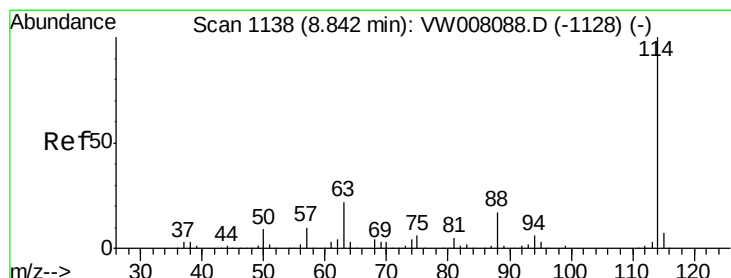
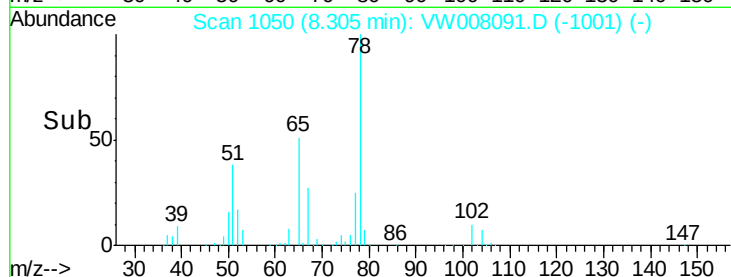
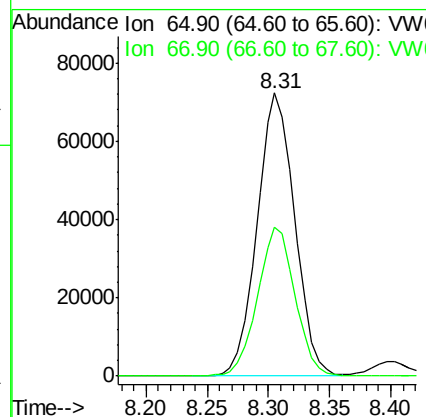
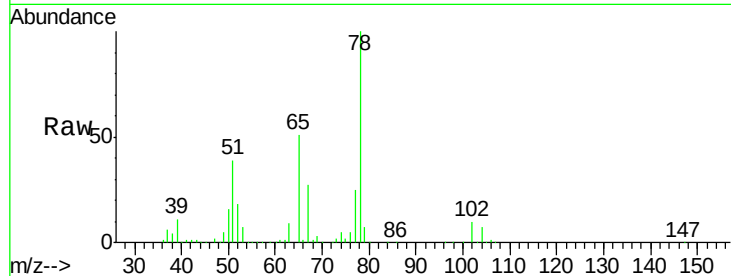
#33
 1,2-Dichloroethane-d4
 Concen: 130.903 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	106.8	

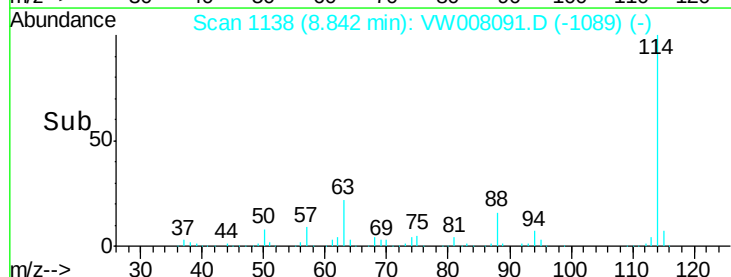
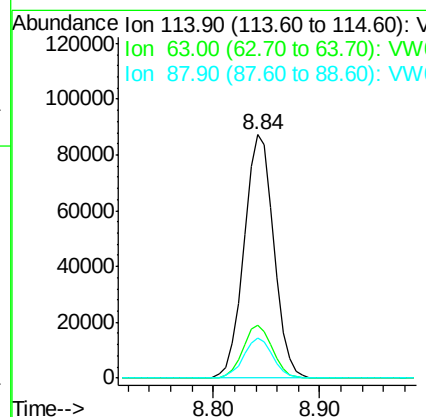
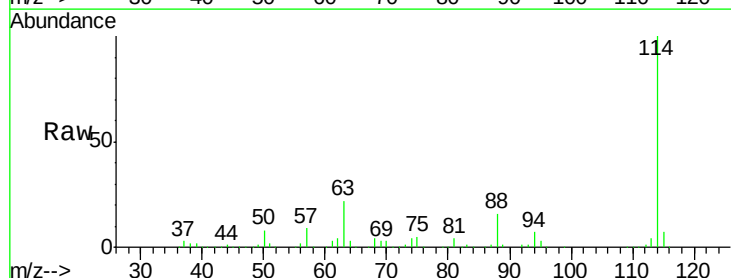
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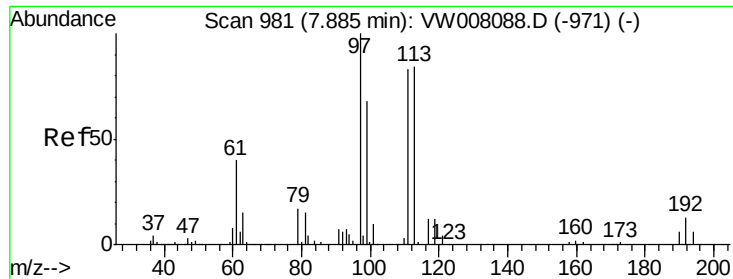
MMDadoda
 1/9/2019 11:08:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	43.4	
88	16.2	0.0	33.4	





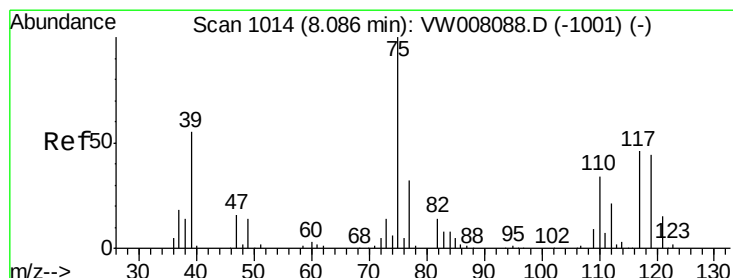
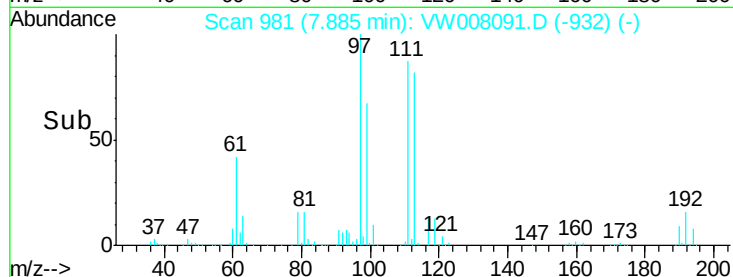
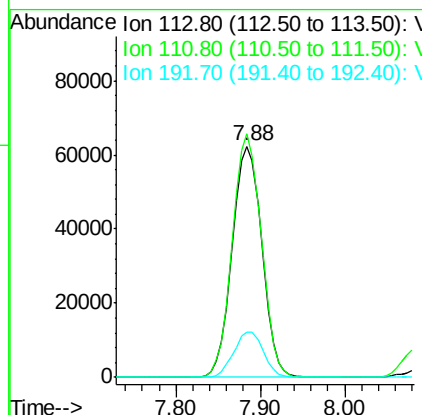
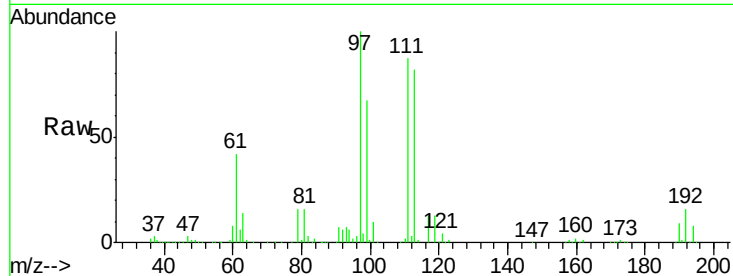
#35
 Dibromofluoromethane
 Concen: 140.194 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	19.6	12.8	19.2#

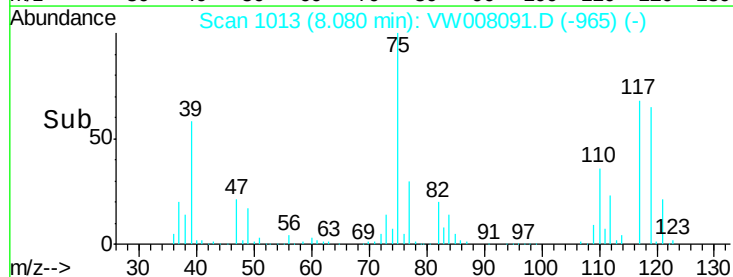
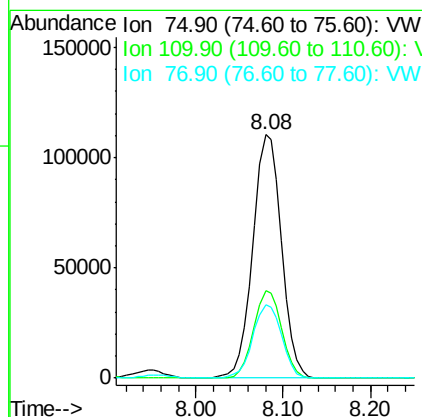
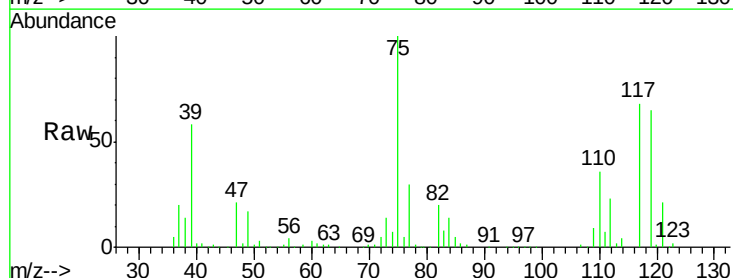
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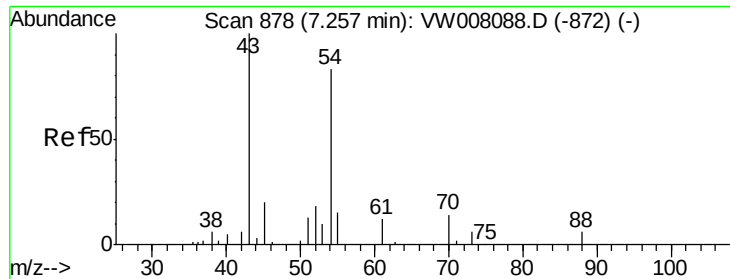
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 150.275 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.1	51.3
77	30.6	25.5	38.3





#37

Ethyl Acetate

Concen: 193.189 ug/l

RT: 7.26 min Scan# 878

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

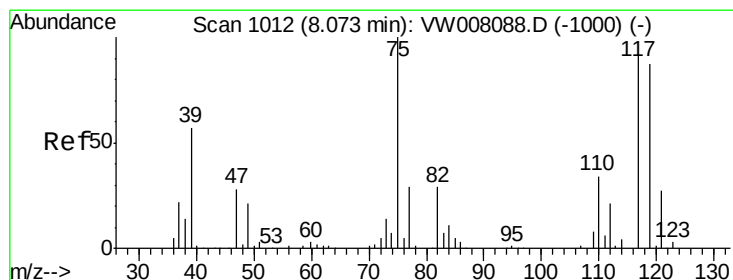
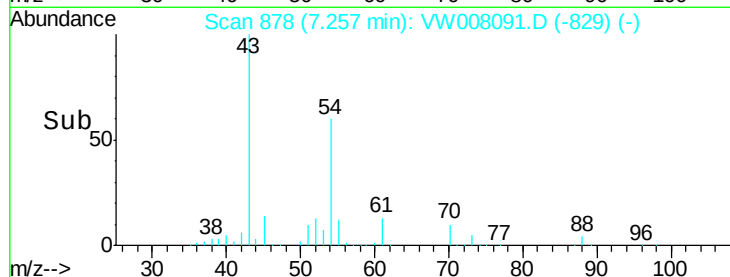
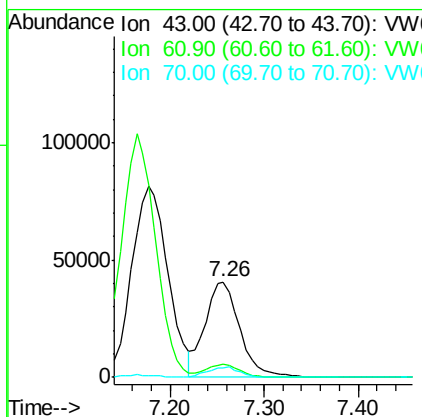
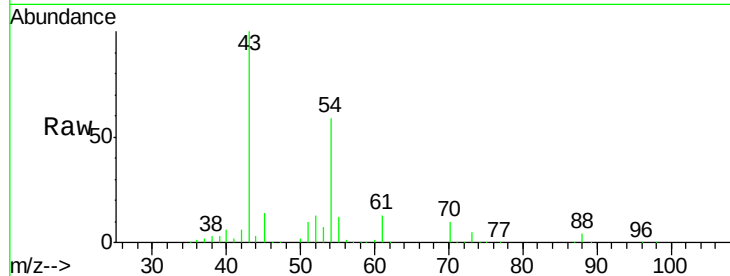
ClientSampled :

VSTDIC150

Tot Ion:	43	Resp:	103297
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.6	16.0
70	10.4	8.9	13.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 124.080 ug/l

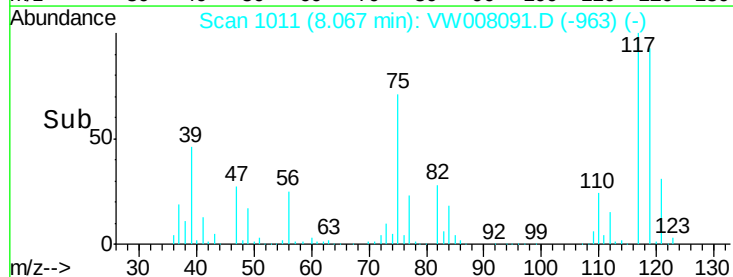
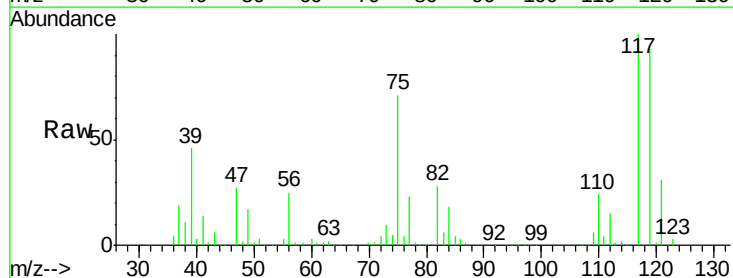
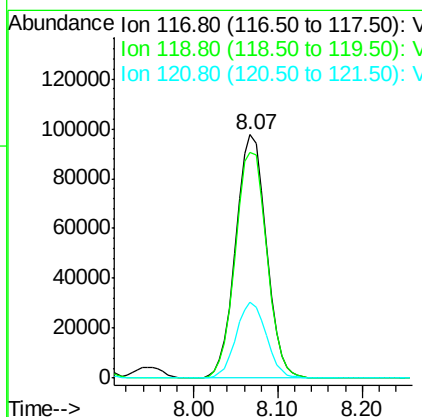
RT: 8.07 min Scan# 1011

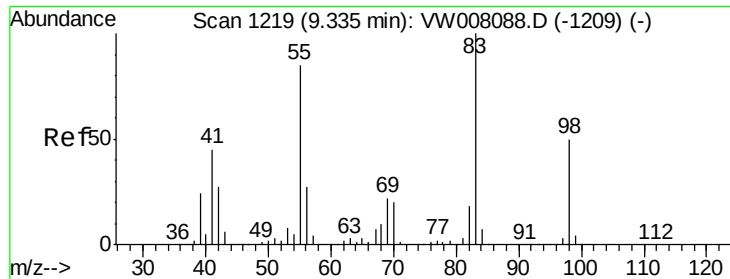
Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion:	117	Resp:	239522
Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.8	113.8
121	31.2	23.7	35.5





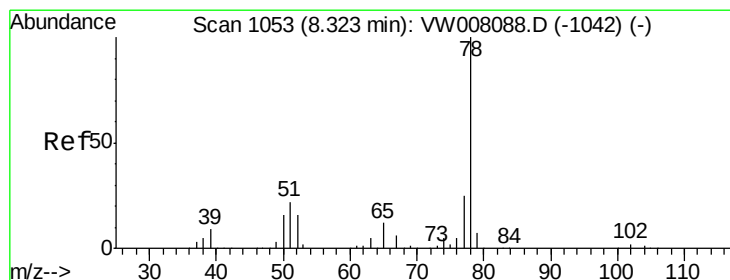
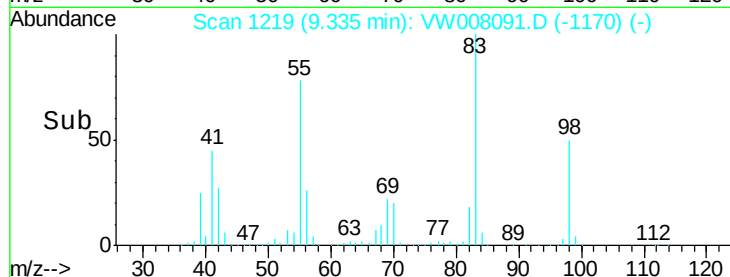
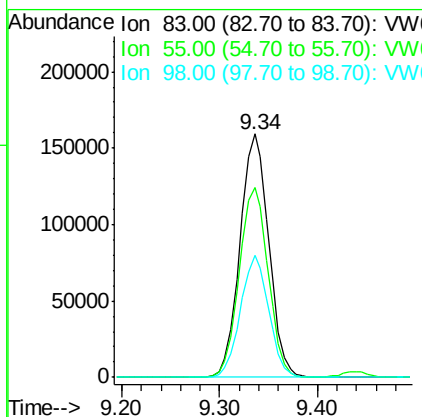
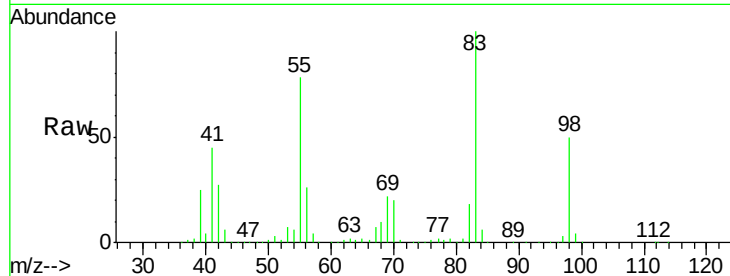
#39
Methylvlcyclohexane
Concen: 154.365 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.9	67.8	101.6
98	49.9	40.2	60.4

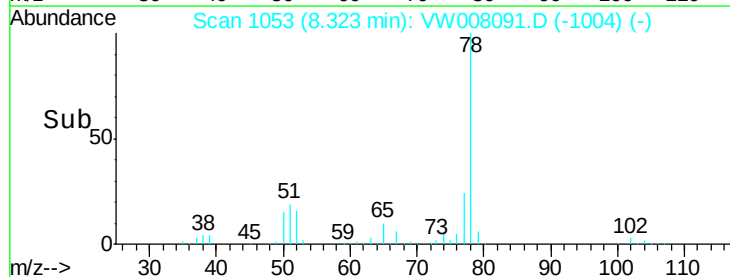
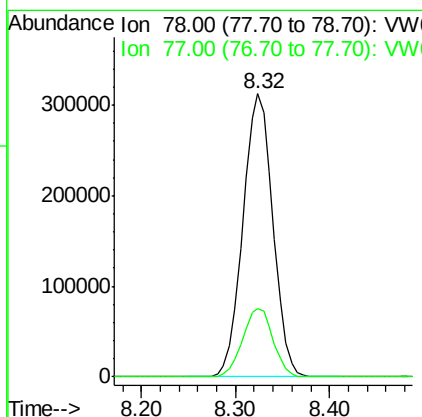
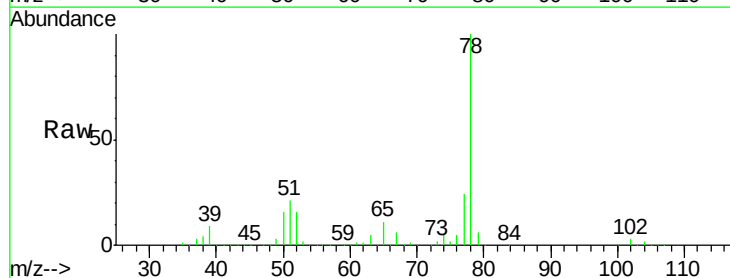
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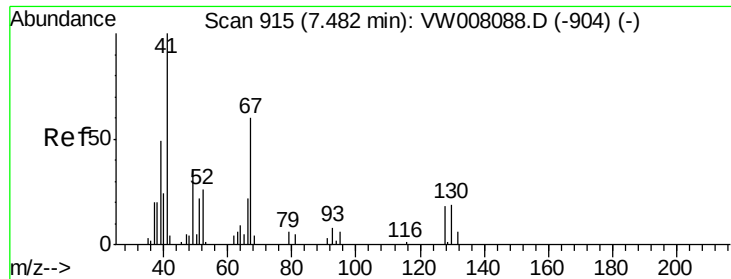
MMDadoda
1/9/2019 11:08:10 AM



#40
Benzene
Concen: 155.892 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	20.2	30.4





#41

Methacrylonitrile

Concen: 209.053 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

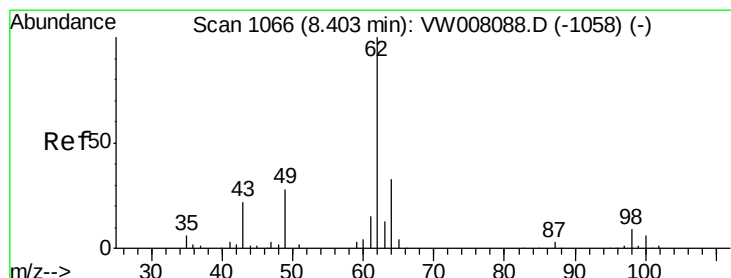
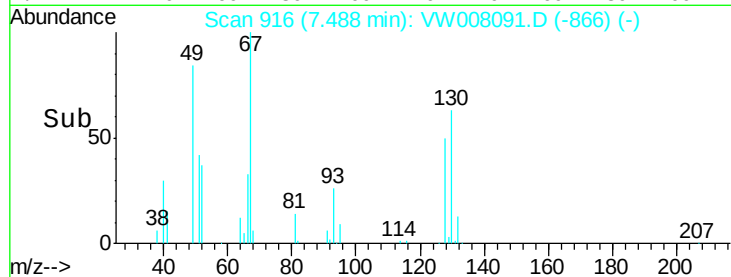
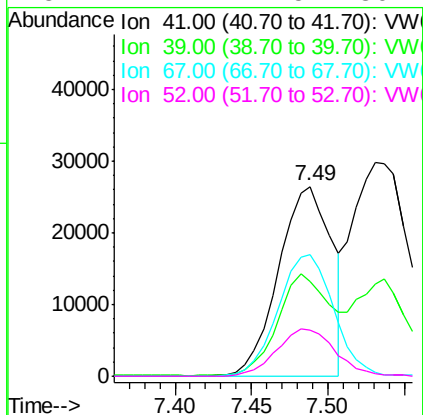
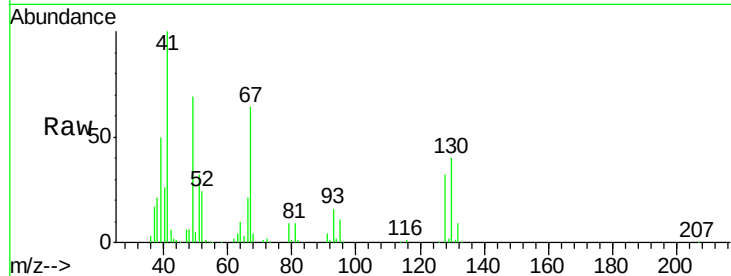
ClientSampleId :

VSTDIC150

Tot Ion:	41	Resp:	64110
Ion	Ratio	Lower	Upper
41	100		
39	57.6	47.9	71.9
67	67.0	56.3	84.5
52	27.4	24.5	36.7

Manual Integrations
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1/9/2019 11:08:10 AM



#42

1,2-Dichloroethane

Concen: 131.214 ug/l

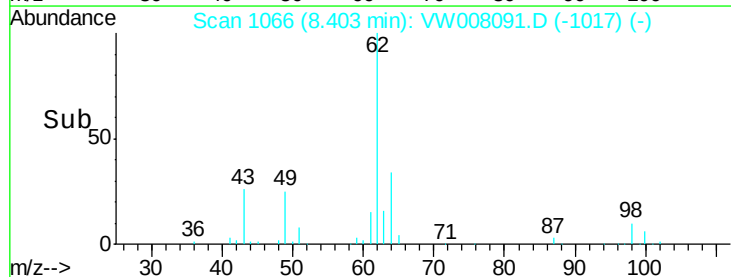
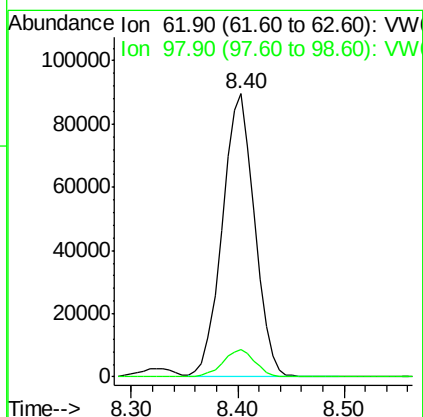
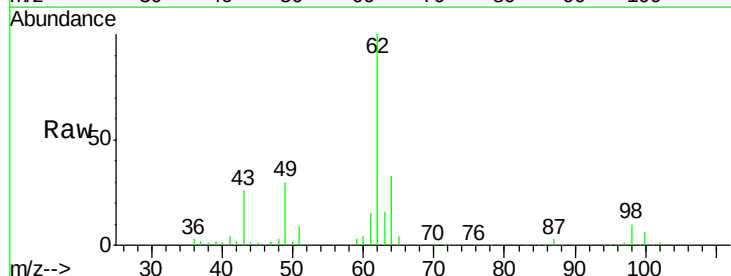
RT: 8.40 min Scan# 1066

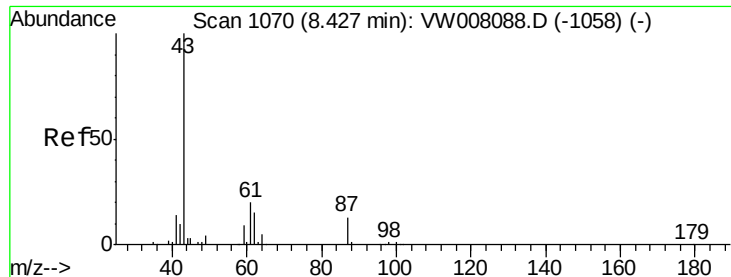
Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion:	62	Resp:	189451
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 199.992 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

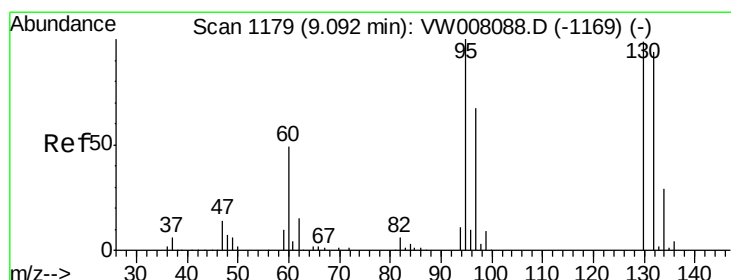
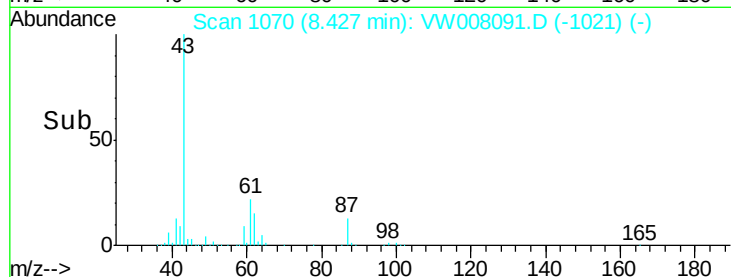
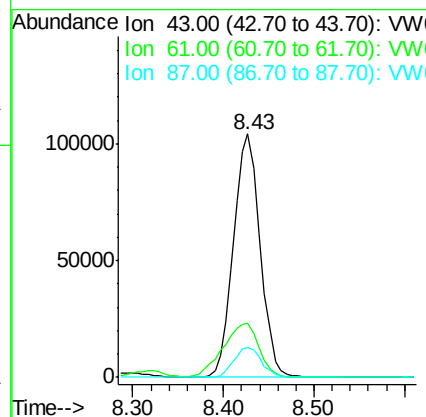
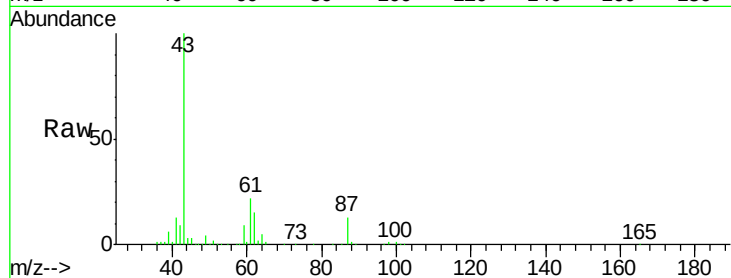
ClientSampled :

VSTDIC150

Tot Ion:	43	Resp:	211339
Ion	Ratio	Lower	Upper
43	100		
61	30.3	24.8	37.2
87	12.7	10.4	15.6

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#44

Trichloroethene

Concen: 143.705 ug/l

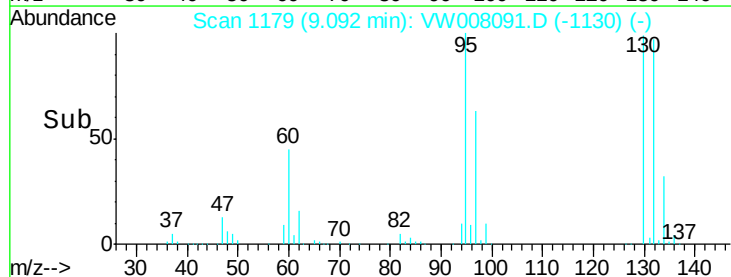
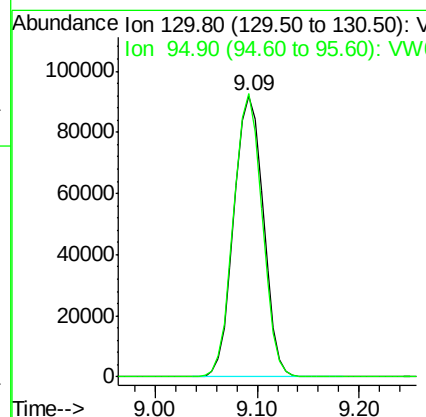
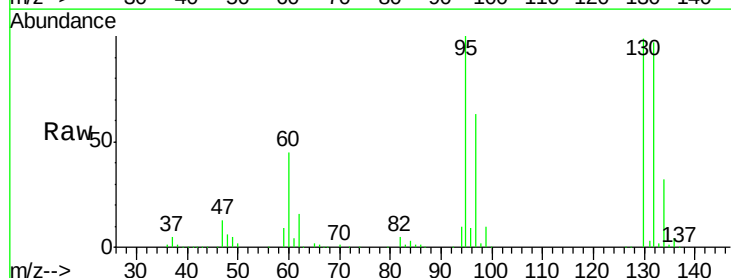
RT: 9.09 min Scan# 1179

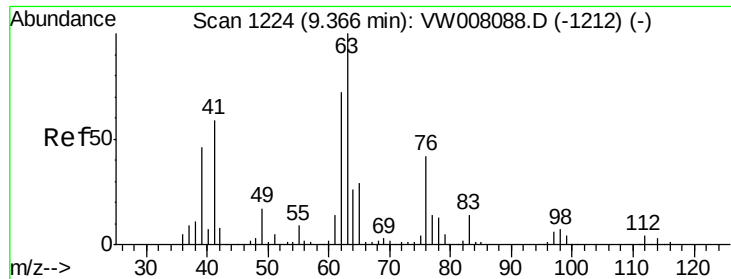
Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion:	130	Resp:	184174
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	202.8





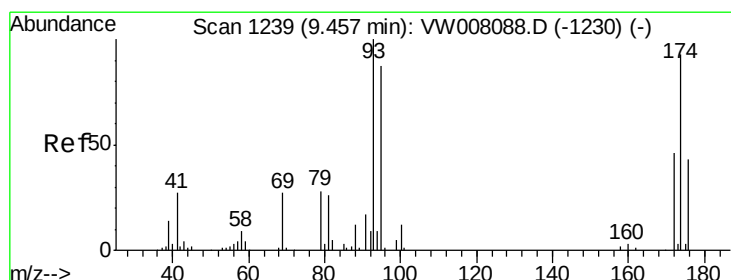
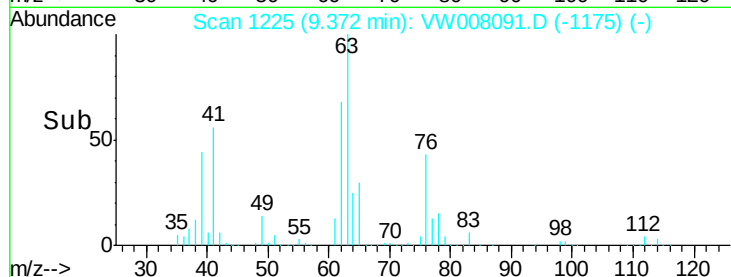
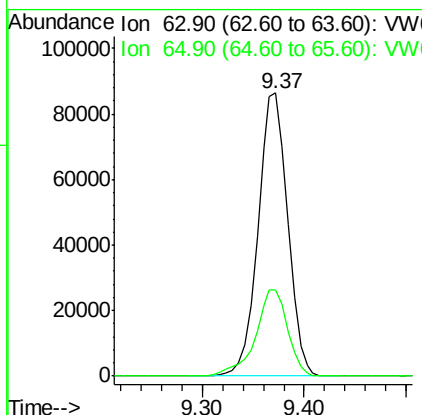
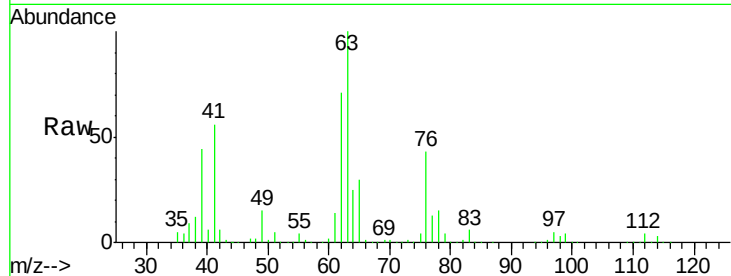
#45
 1,2-Dichloropropane
 Concen: 176.464 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion: 63 Resp: 174483
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.3 34.9

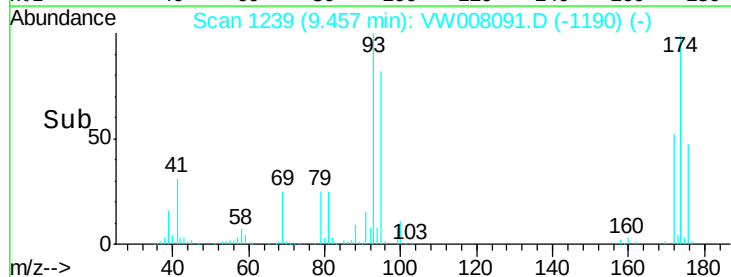
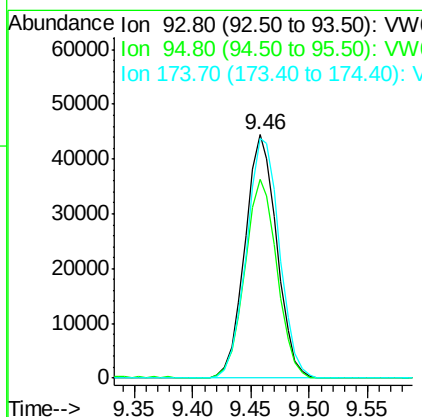
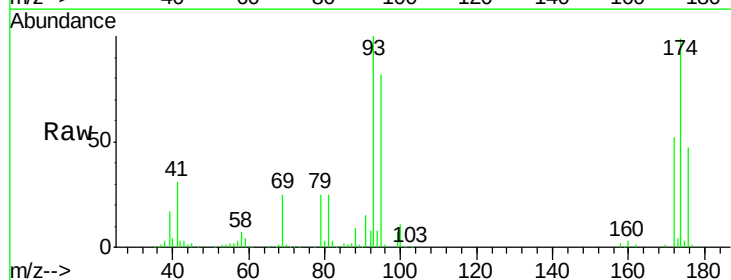
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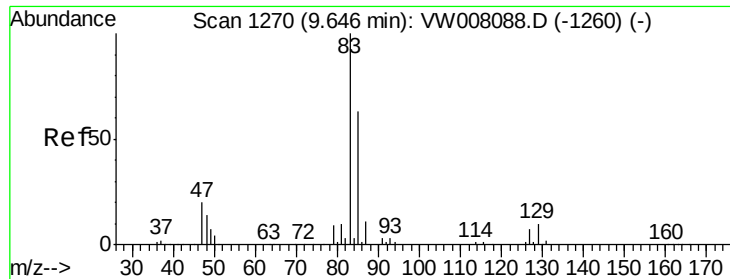
MMDadoda
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#46
 Dibromomethane
 Concen: 151.801 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion: 93 Resp: 84810
 Ion Ratio Lower Upper
 93 100
 95 82.6 67.5 101.3
 174 102.1 72.5 108.7





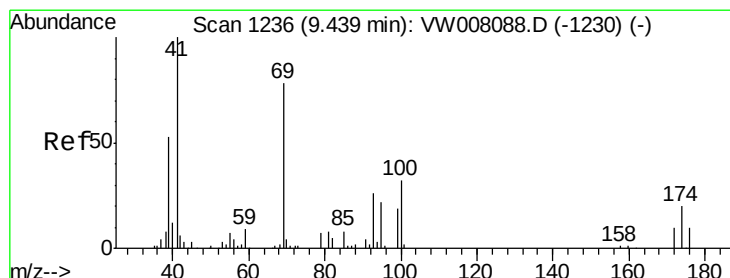
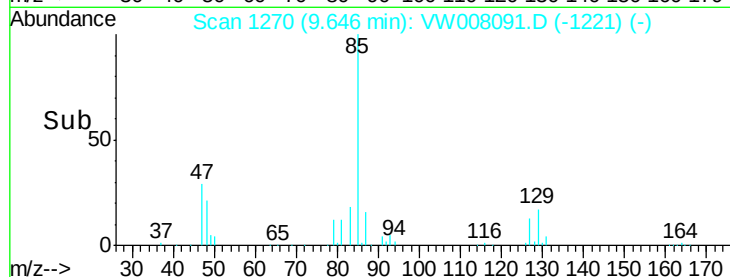
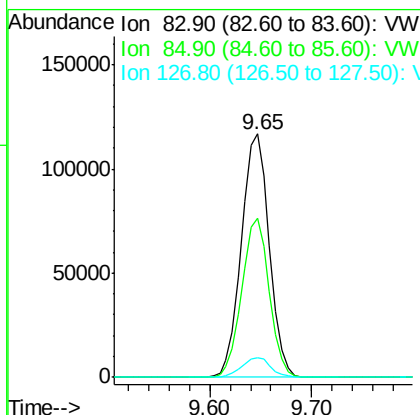
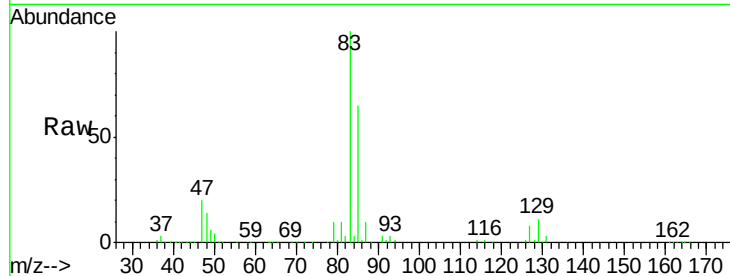
#47
Bromodichloromethane
Concen: 142.470 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	221007
Ion Ratio	100	Lower	Upper
85	65.2	50.7	76.1
127	8.1	6.0	9.0

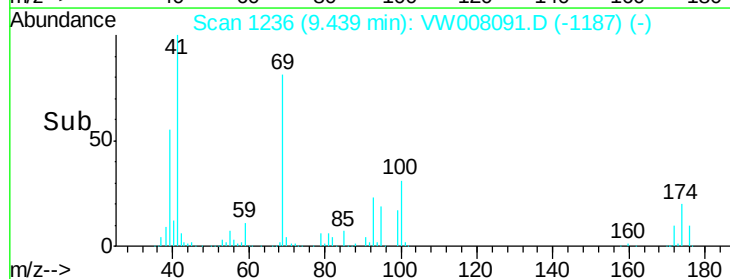
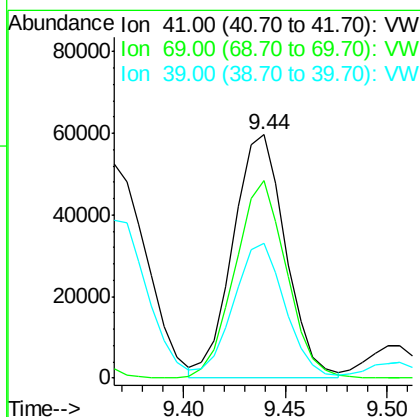
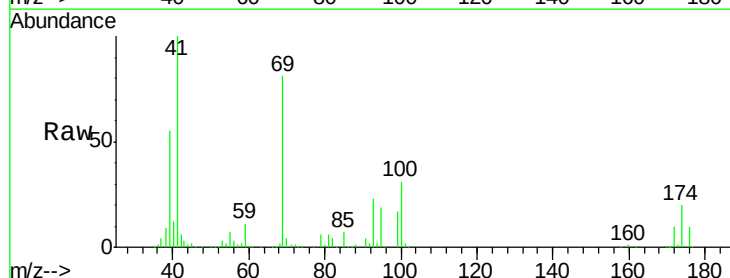
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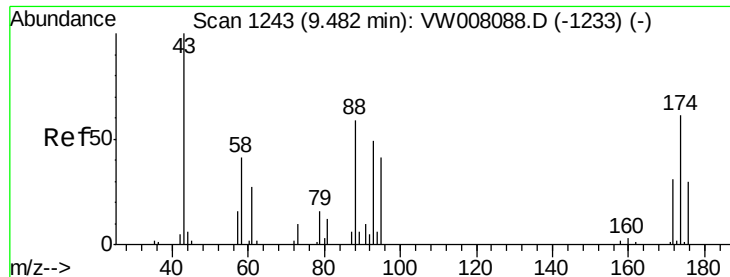
MMDadoda
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#48
Methyl methacrylate
Concen: 200.449 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	41	Resp	106993
Ion Ratio	100	Lower	Upper
69	79.5	61.9	92.9
39	51.6	43.0	64.4





#49

1,4-Dioxane

Concen: 3270.821 ug/l

RT: 9.48 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tot Ion: 88 Resp: 27364

Ion Ratio Lower Upper

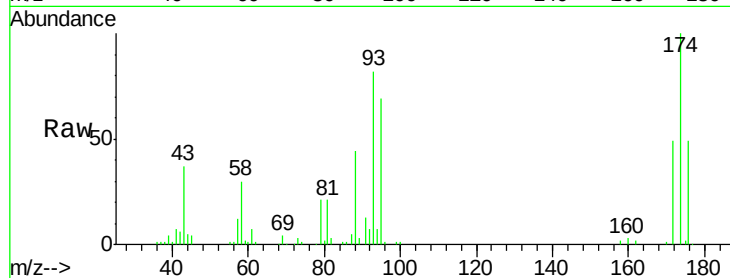
88 100

43 0.0 0.0 0.0

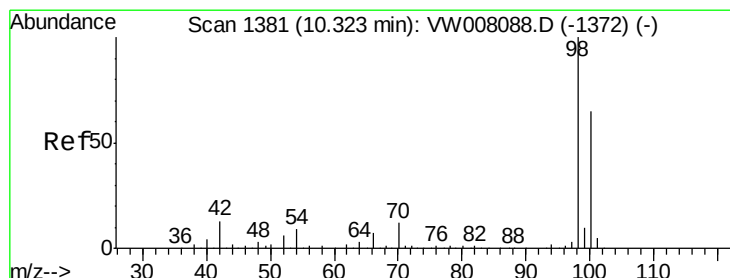
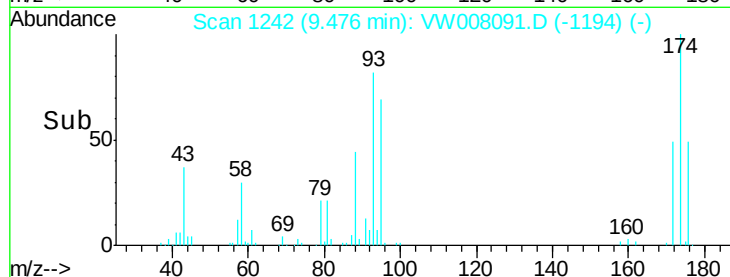
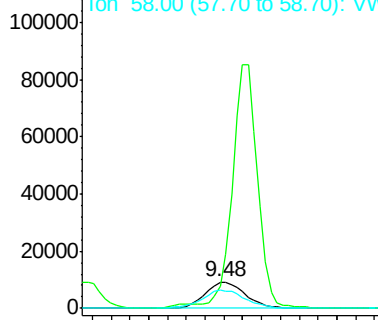
58 75.6 61.7 92.5

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Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 148.877 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008091.D

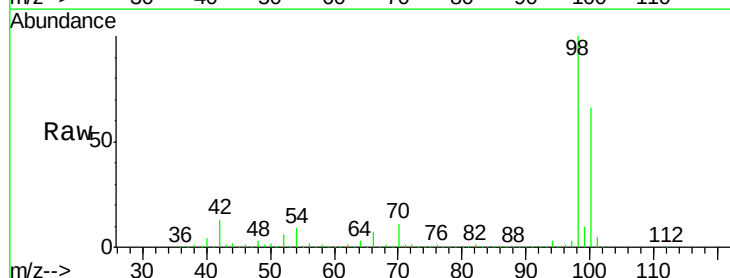
Acq: 08 Jan 2019 17:55

Tgt Ion: 98 Resp: 606647

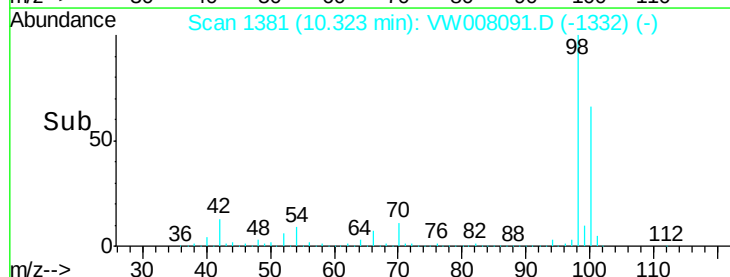
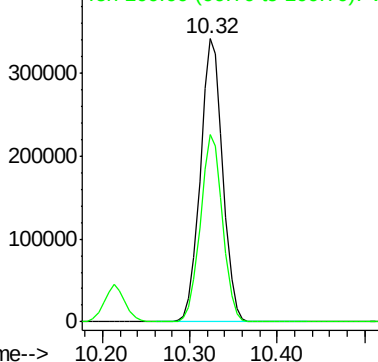
Ion Ratio Lower Upper

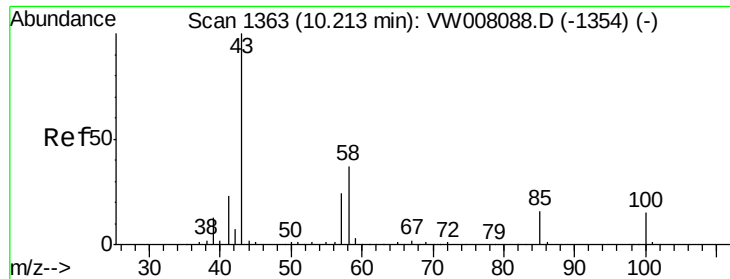
98 100

100 65.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





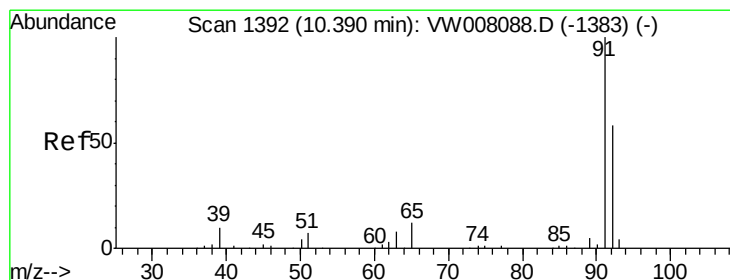
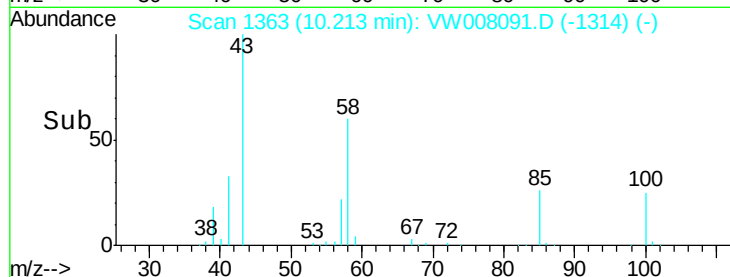
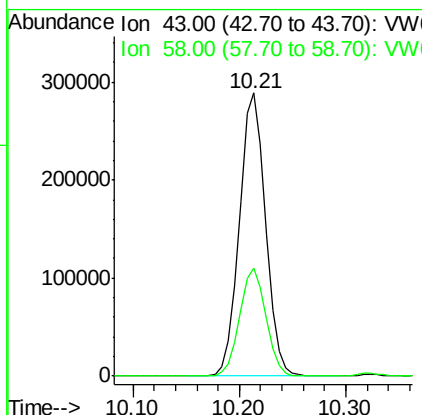
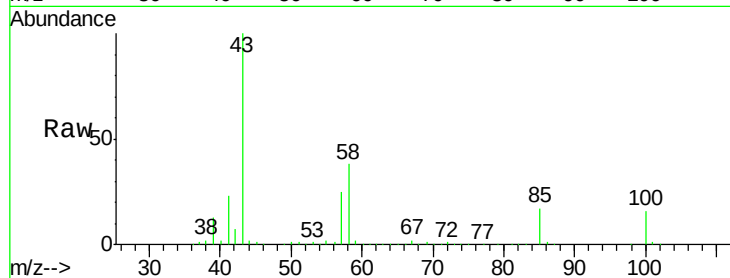
#51
4-Methyl-2-Pentanone
Concen: 1002.732 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	38.7		30.6	46.0	

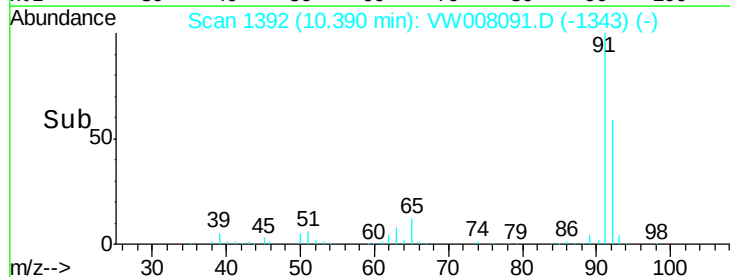
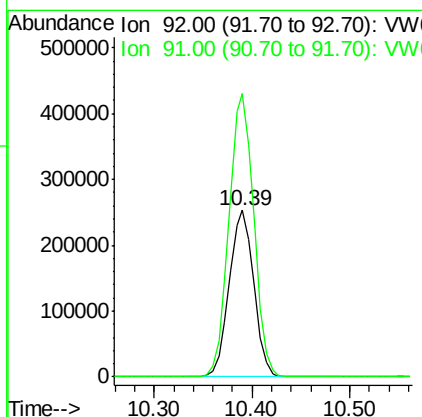
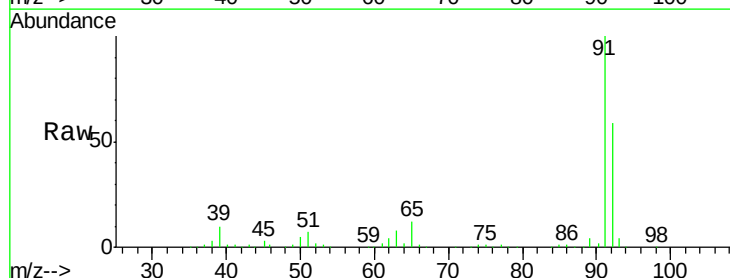
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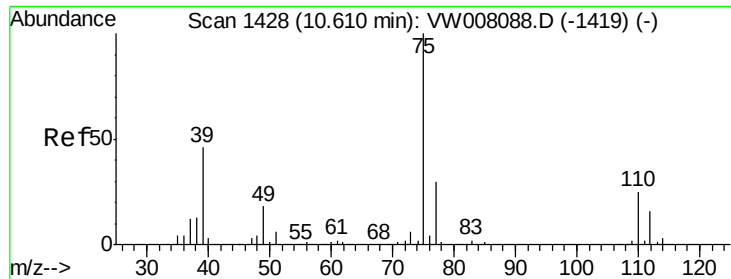
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#52
Toluene
Concen: 148.988 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	172.1		137.0	205.4	





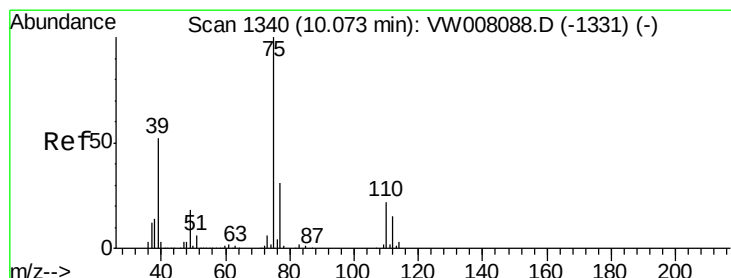
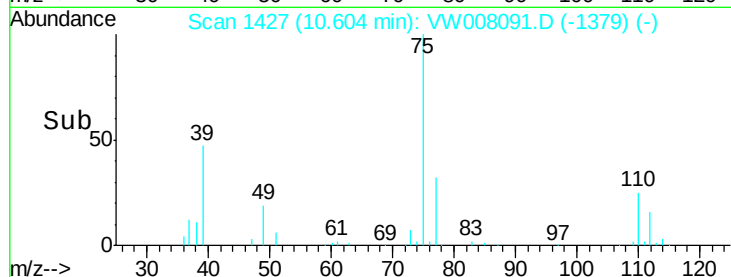
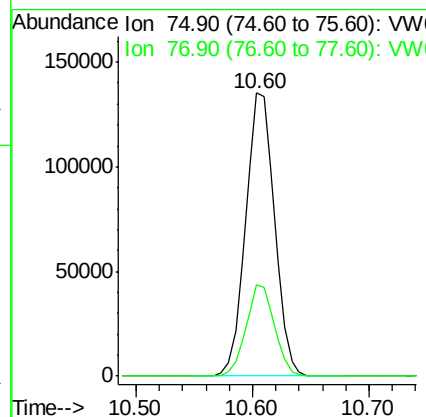
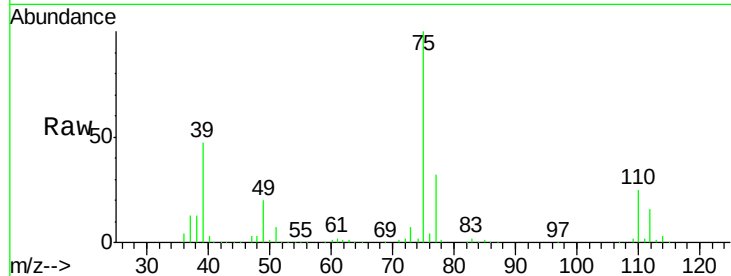
#53
t-1,3-Dichloropropene
Concen: 155.022 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.4	36.6

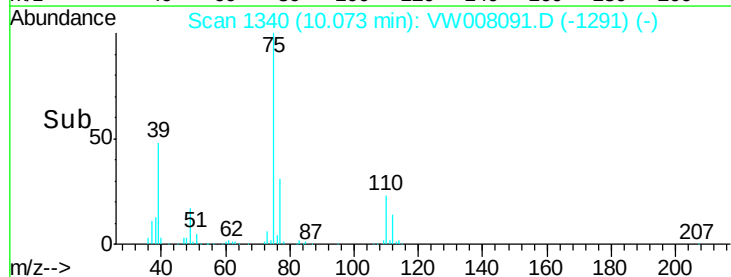
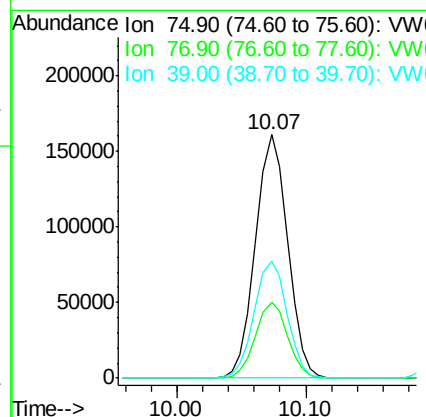
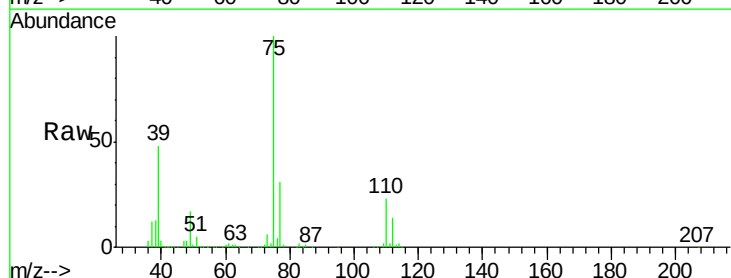
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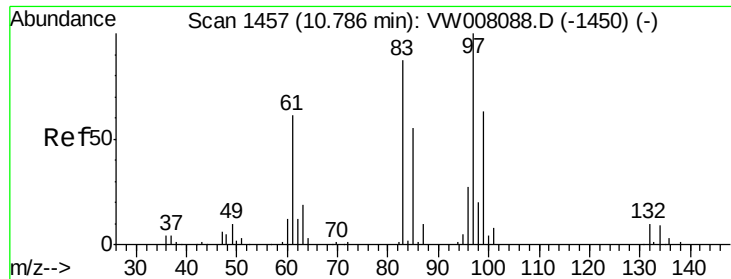
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#54
cis-1,3-Dichloropropene
Concen: 163.574 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.2	37.8
39	47.9	41.4	62.0





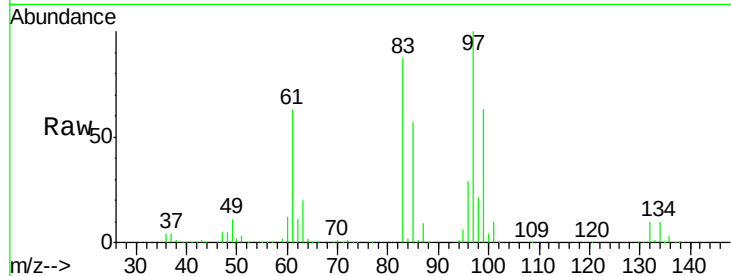
#55
 1,1,2-Trichloroethane
 Concen: 156.893 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion:	97	Resp:	119023
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.3	103.9
85	56.9	43.8	65.6
99	62.9	50.0	75.0

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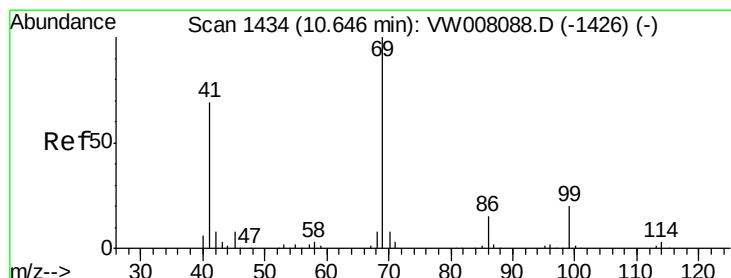
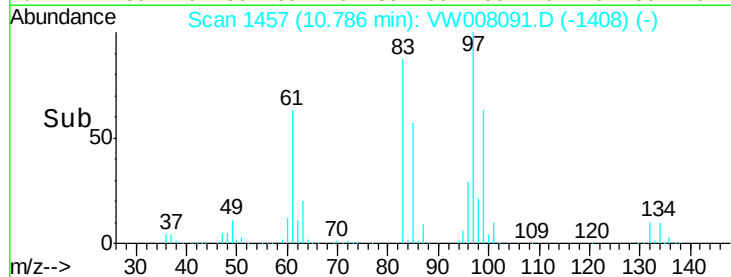
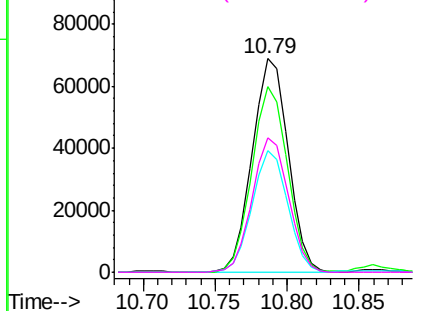
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 185.158 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

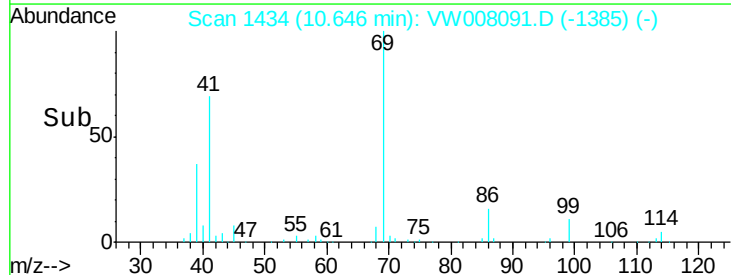
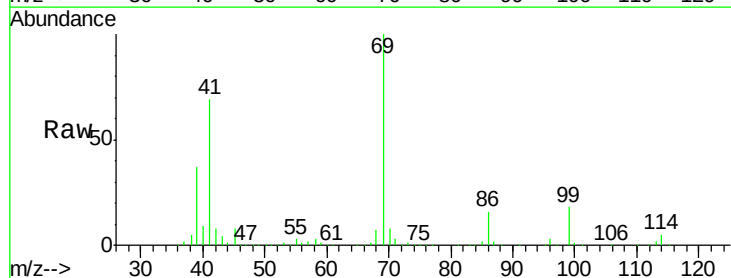
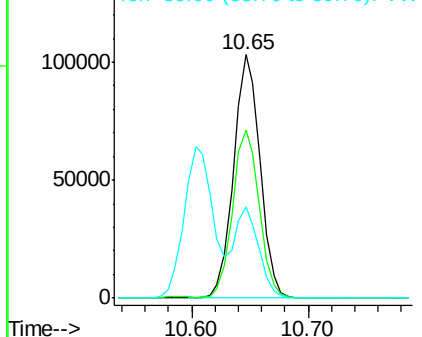
Tgt Ion:	69	Resp:	162927
Ion	Ratio	Lower	Upper
69	100		
41	69.1	56.4	84.6
39	34.9	28.1	42.1

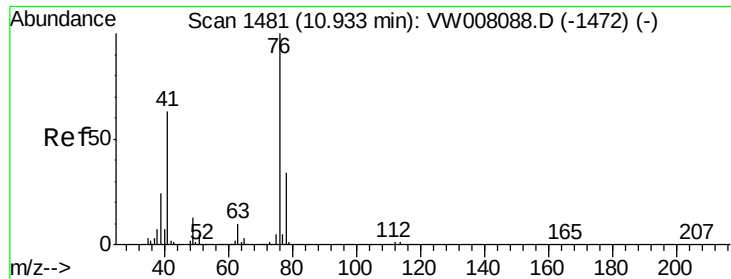
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





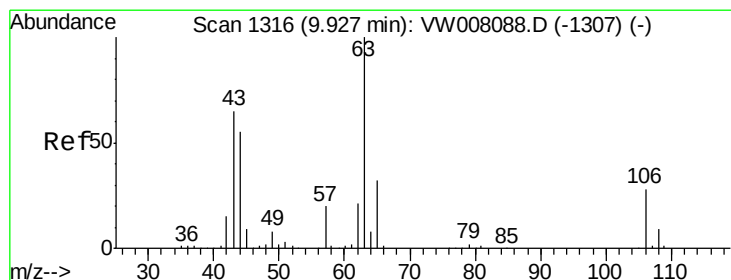
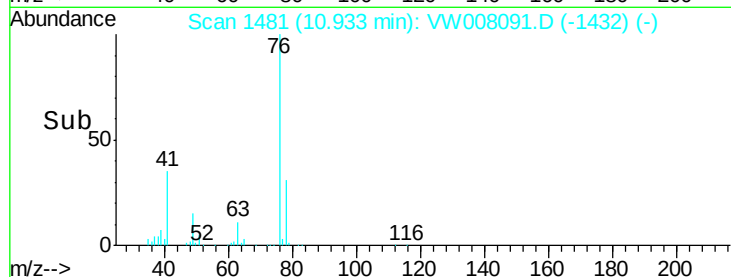
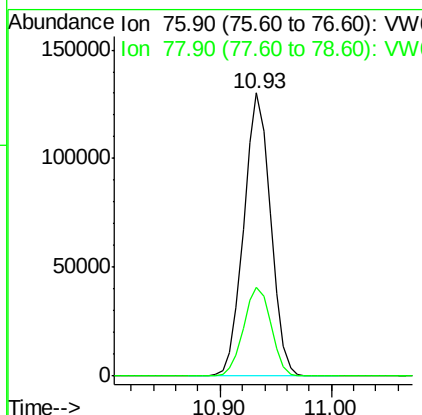
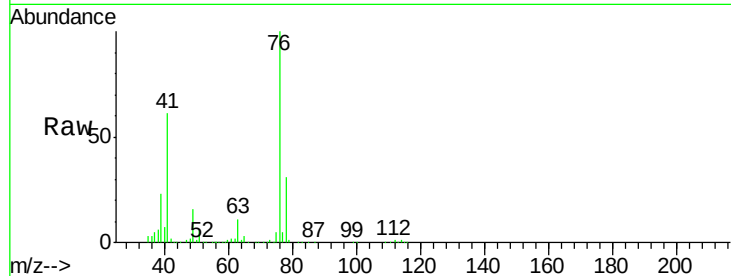
#57
 1,3-Dichloropropane
 Concen: 165.535 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

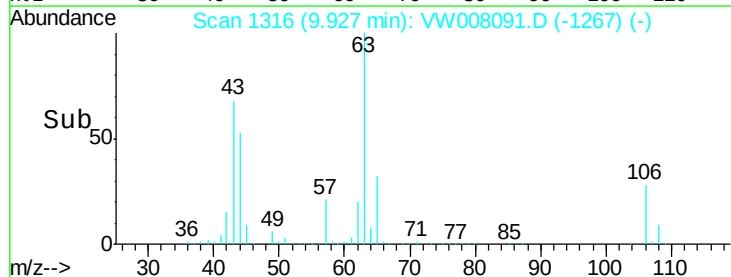
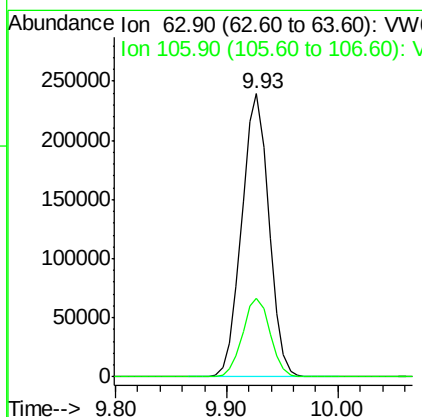
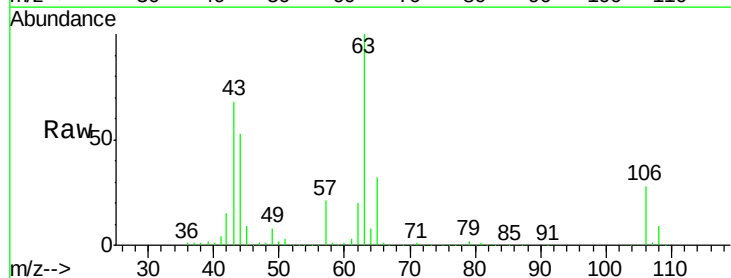
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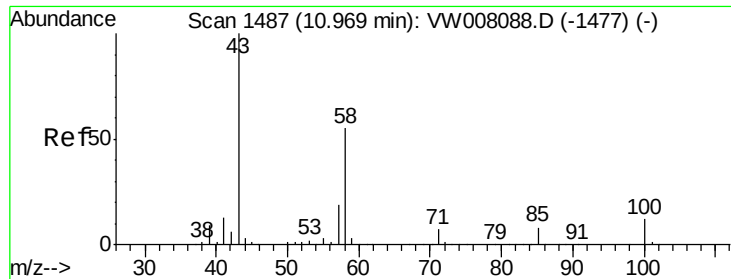
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 943.369 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.2	21.8	32.6





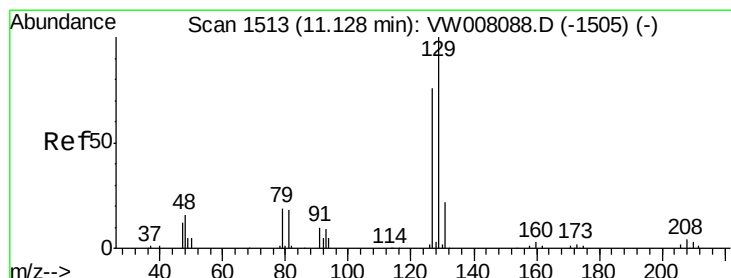
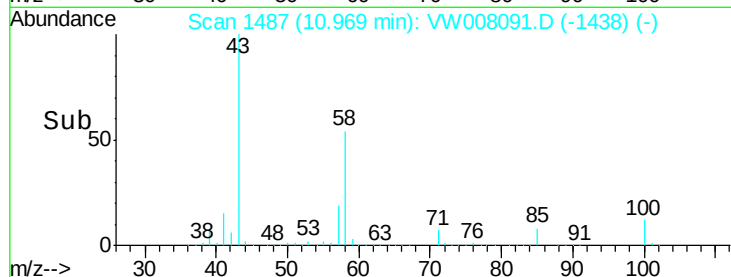
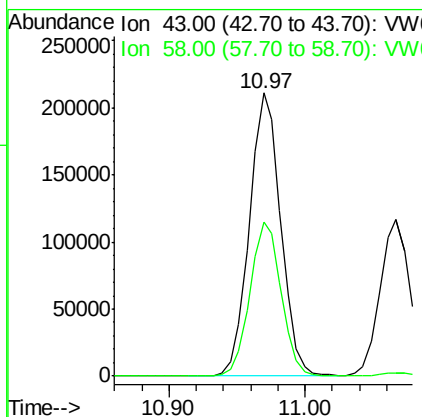
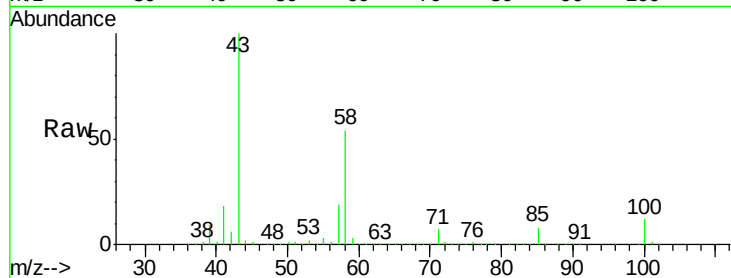
#59
2-Hexanone
Concen: 996.218 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 339992
Ion Ratio Lower Upper
43 100
58 54.5 27.2 81.5

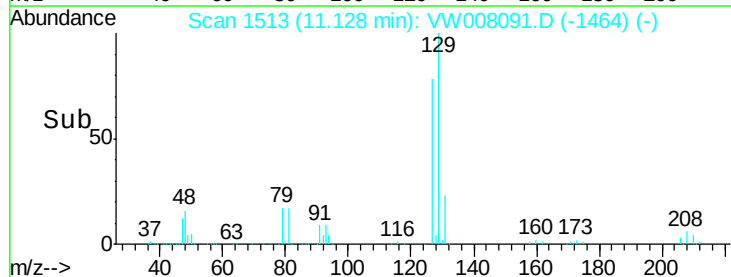
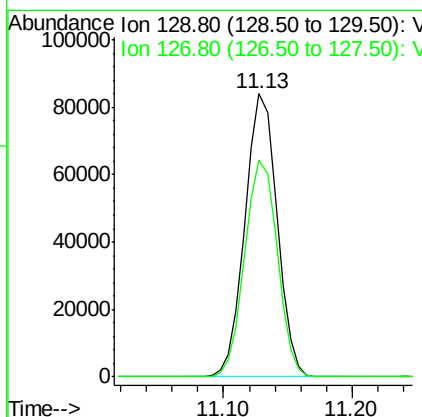
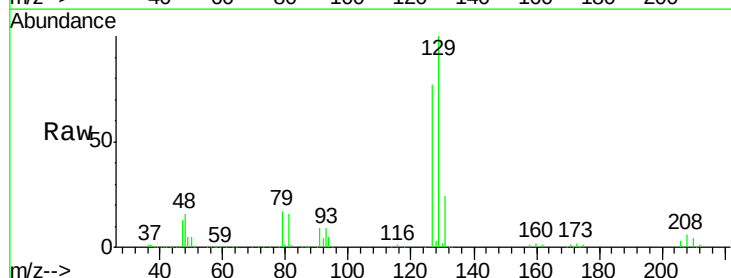
Manual Integrations
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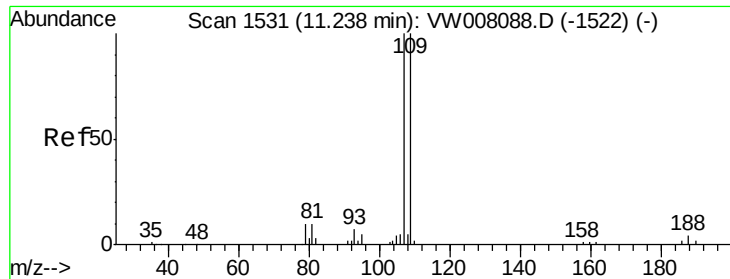
MMDadoda
1/9/2019 11:08:10 AM



#60
Dibromochloromethane
Concen: 142.735 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 129 Resp: 144823
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





#61

1,2-Dibromoethane

Concen: 155.205 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 117888

Ion Ratio Lower Upper

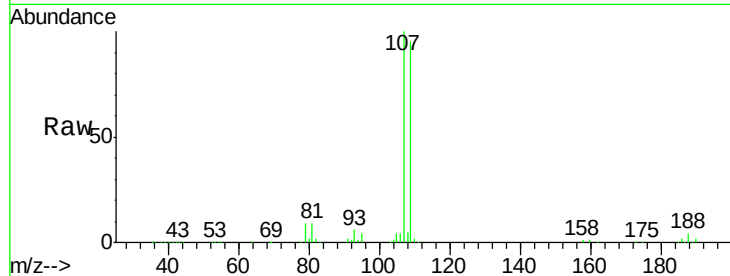
107 100

109 93.9 75.9 113.9

Manual Integrations
APPROVED

MMDadoda

1/9/2019 11:08:10 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

80000

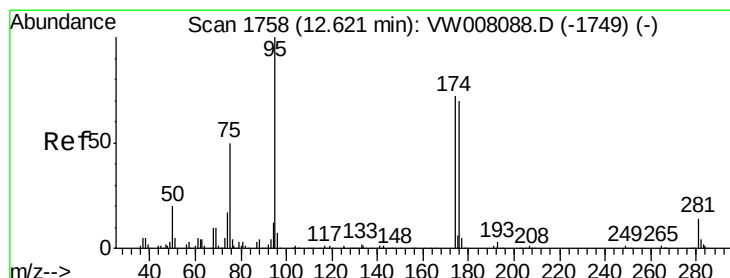
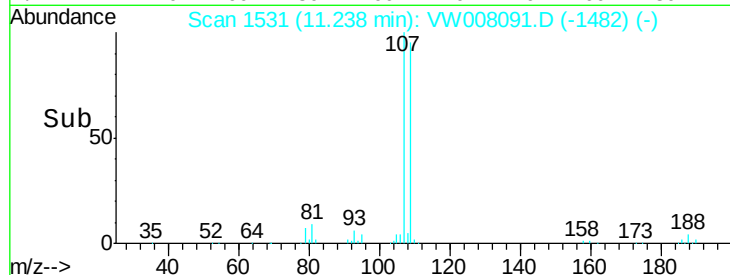
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 134.065 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

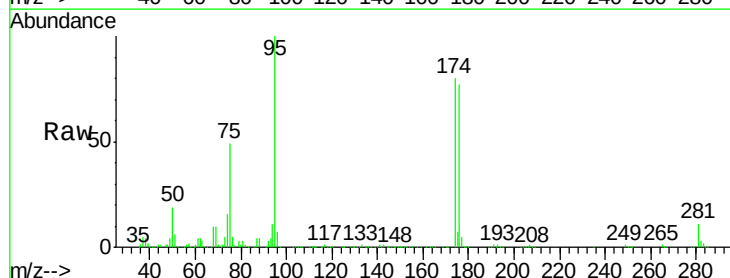
Tgt Ion: 95 Resp: 207073

Ion Ratio Lower Upper

95 100

174 80.7 0.0 143.0

176 77.5 0.0 140.2



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

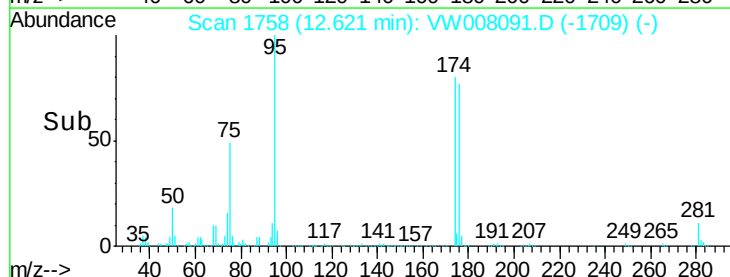
150000

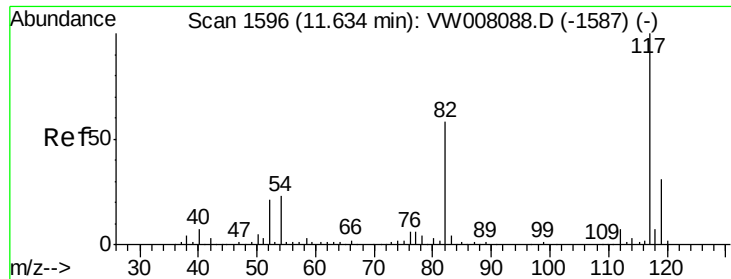
100000

50000

0

Time-->





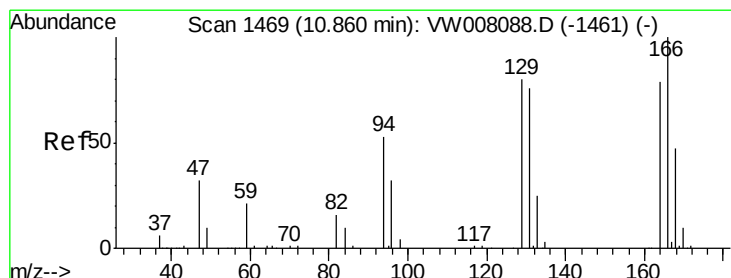
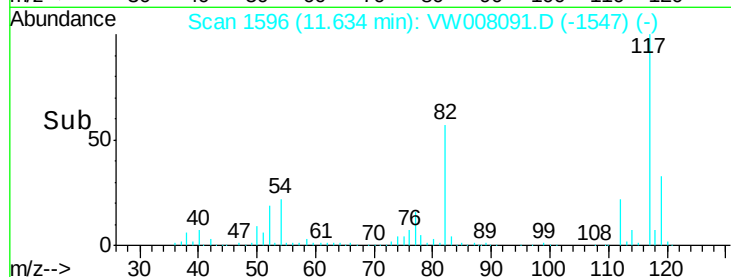
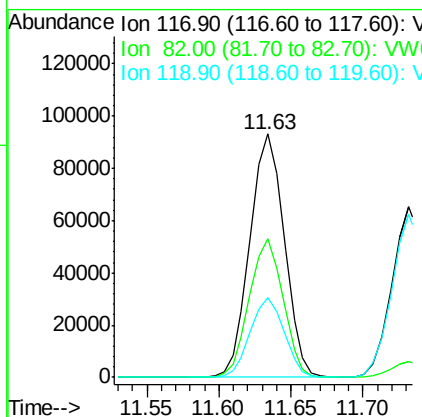
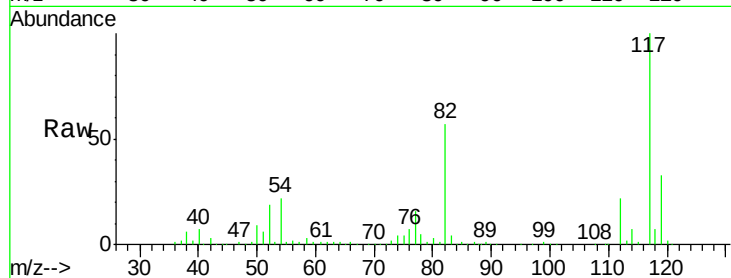
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.4	69.6
119	32.5	24.7	37.1

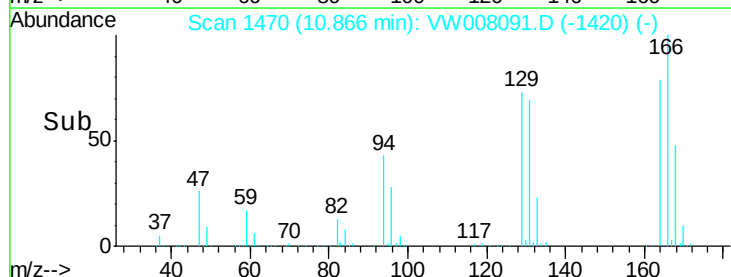
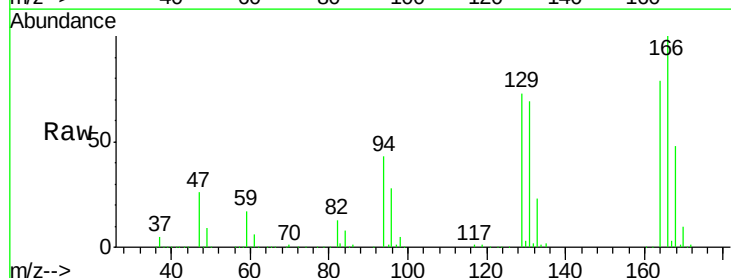
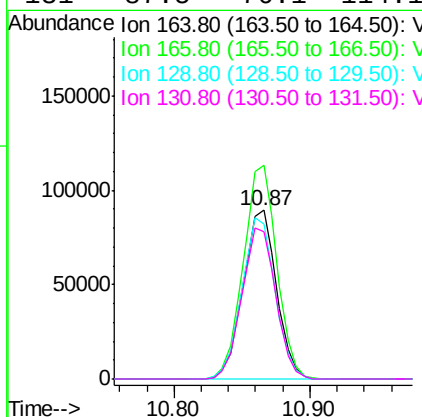
Manual Integrations
APPROVED

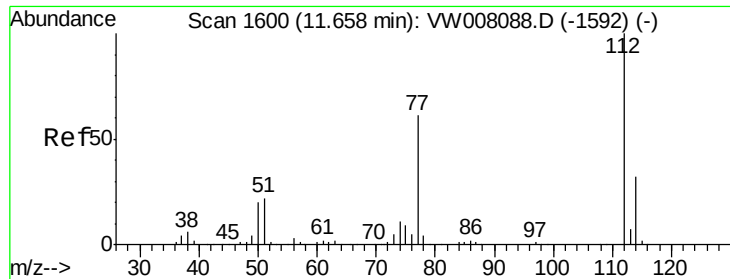
MMDadoda
1/9/2019 11:08:10 AM



#64
Tetrachloroethene
Concen: 149.572 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	100.7	151.1
129	91.9	81.0	121.4
131	87.5	76.1	114.1





#65

Chlorobenzene

Concen: 145.504 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 470998

Ion Ratio Lower Upper

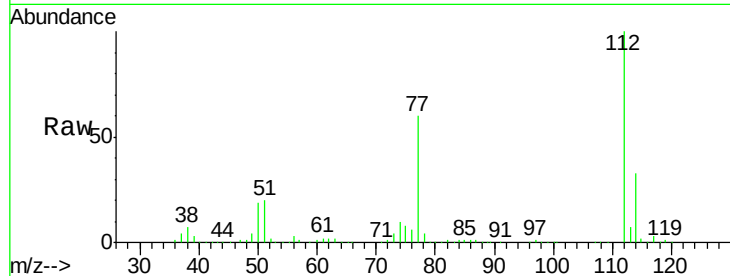
112 100

114 32.6 25.6 38.4

Manual Integrations
APPROVED

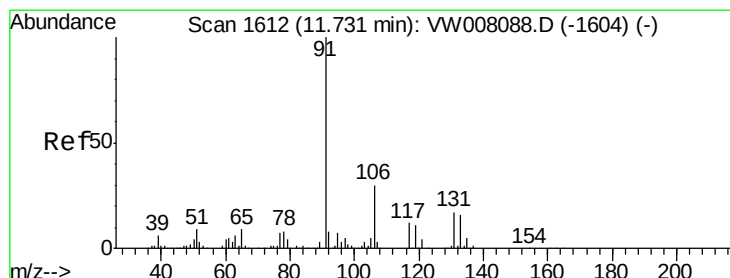
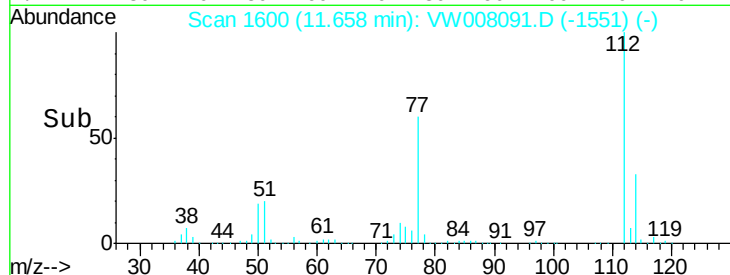
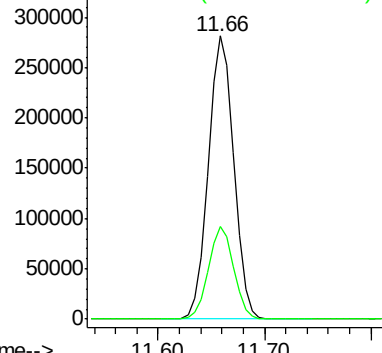
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 138.399 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

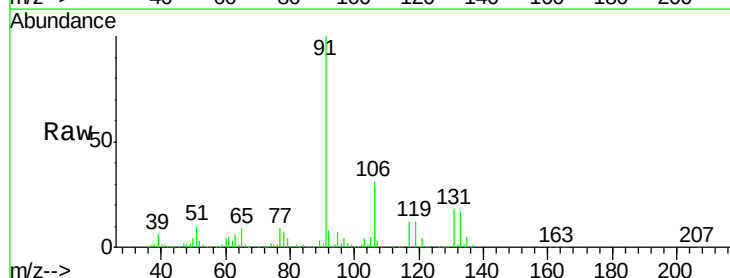
Tgt Ion:131 Resp: 160113

Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.7

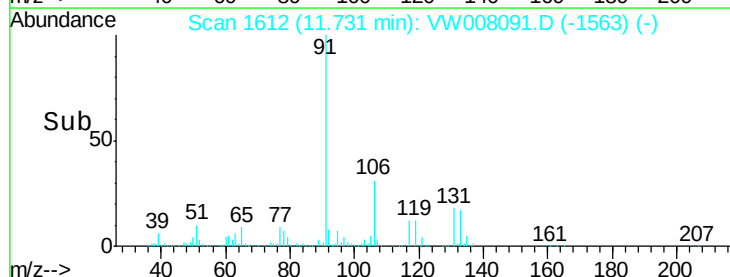
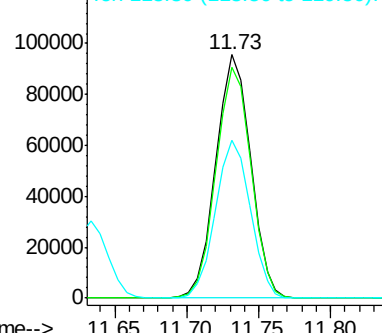
119 65.0 32.5 97.4

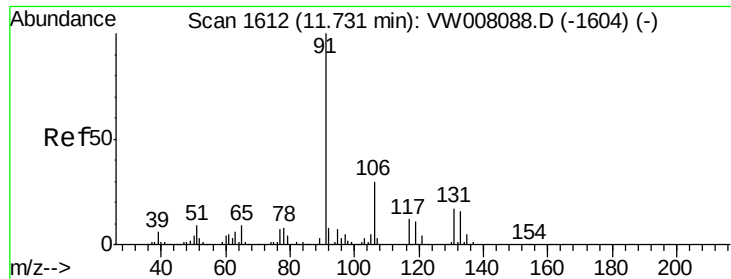


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





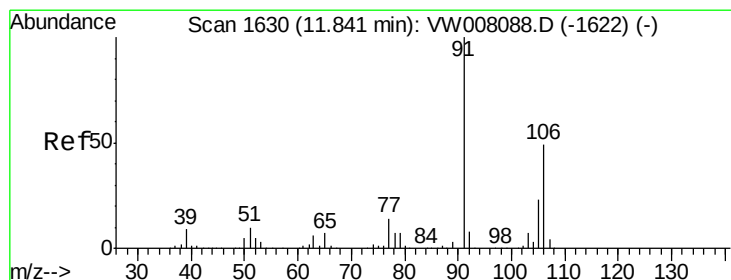
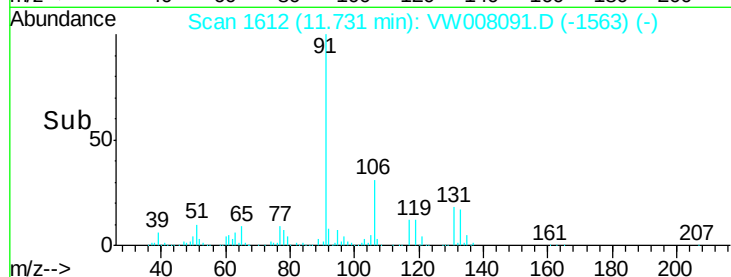
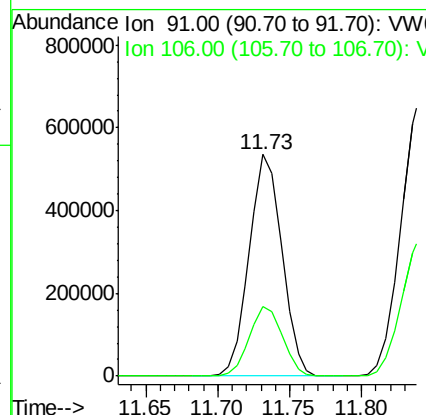
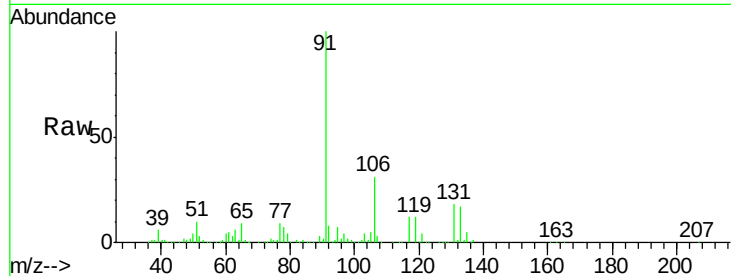
#67
Ethyl Benzene
Concen: 146.196 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.2	36.4

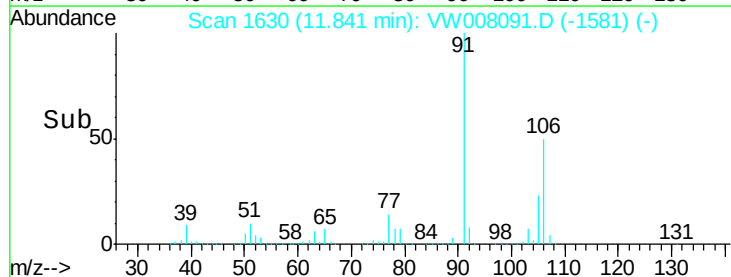
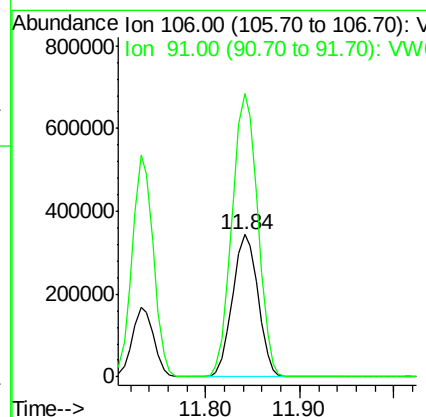
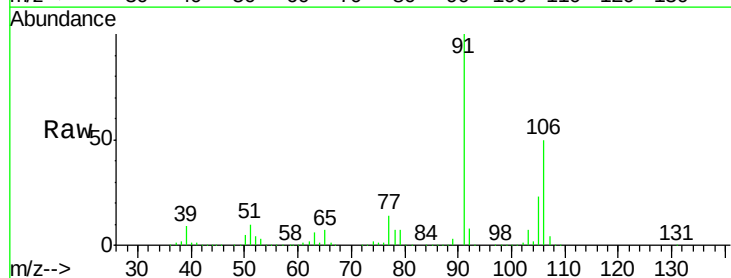
Manual Integrations
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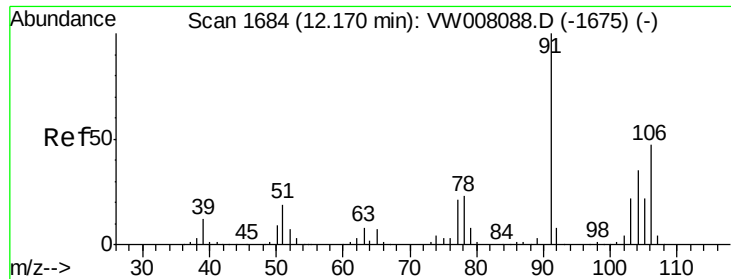
MMDadoda
1/9/2019 11:08:10 AM



#68
m/p-Xylenes
Concen: 289.326 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.6	162.4	243.6





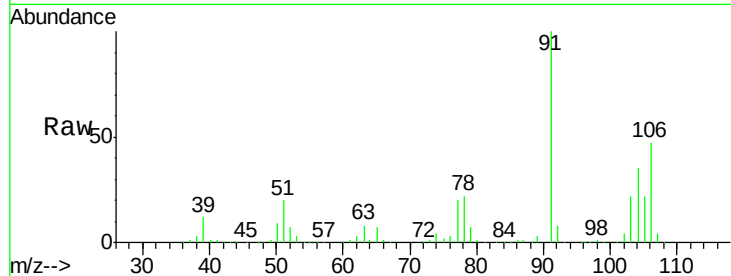
#69
o-Xylene
Concen: 145.353 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

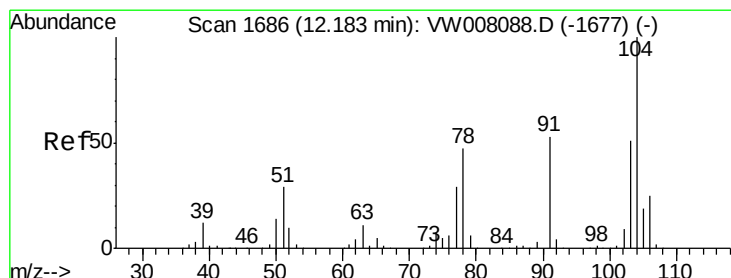
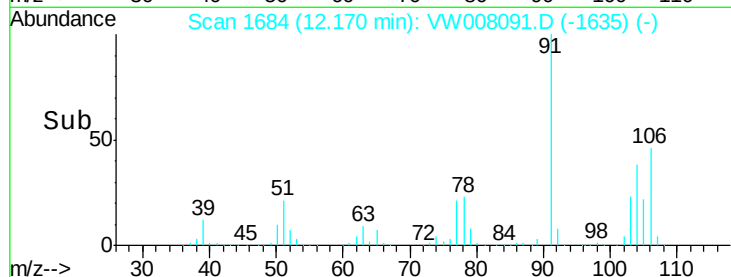
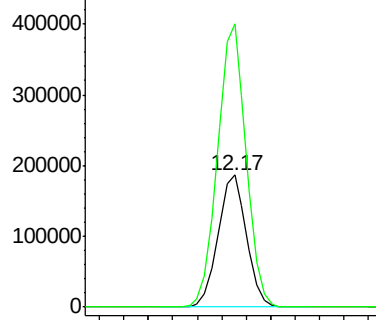
Tot Ion:106 Resp: 301628
Ion Ratio Lower Upper
106 100
91 214.2 107.8 323.6

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1/9/2019 11:08:10 AM

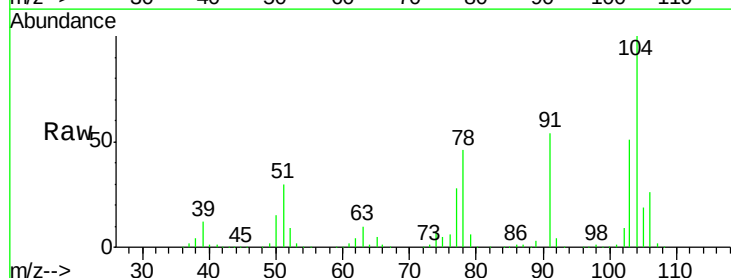


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

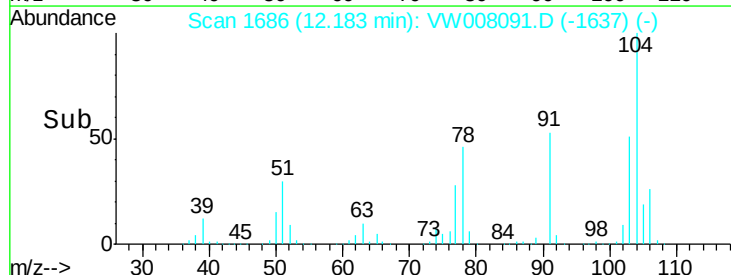
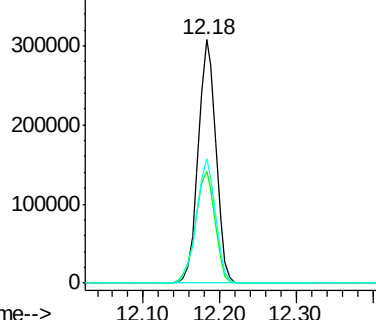


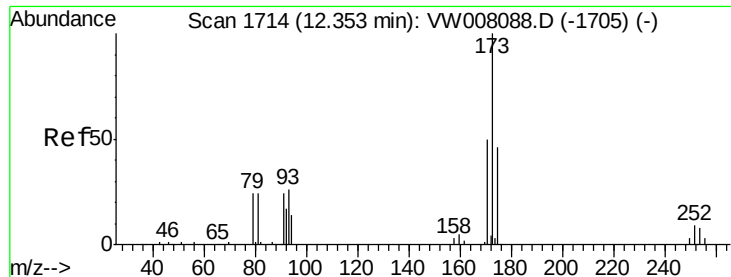
#70
Styrene
Concen: 145.740 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion:104 Resp: 491696
Ion Ratio Lower Upper
104 100
78 50.3 41.8 62.8
103 54.5 43.8 65.8



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





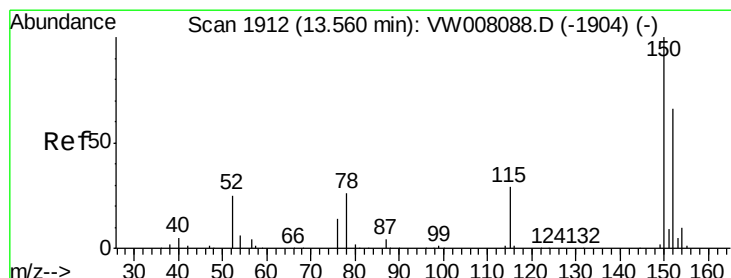
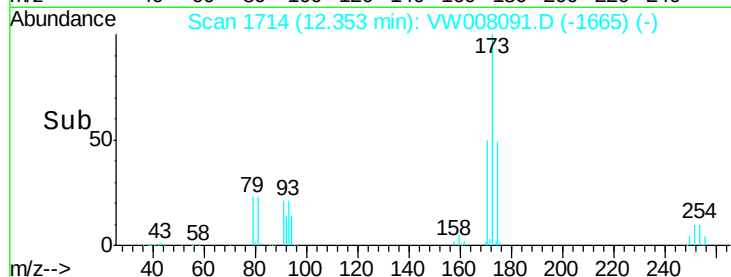
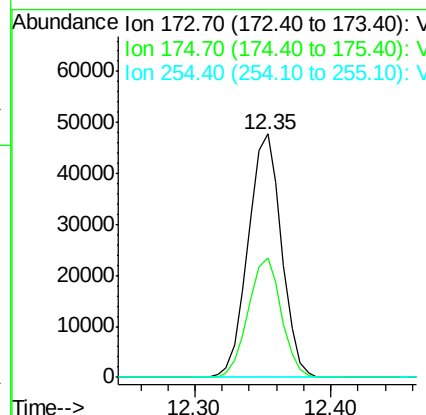
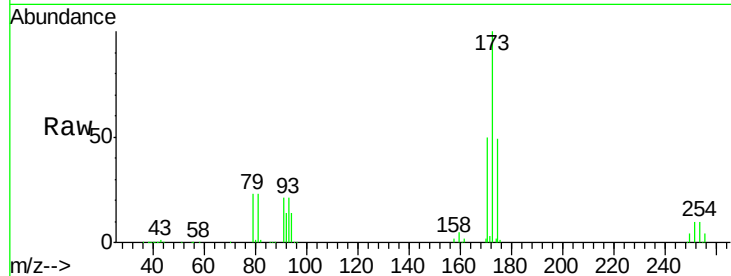
#71
Bromoform
Concen: 153.370 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.3	69.8
254	0.2	0.0	0.0

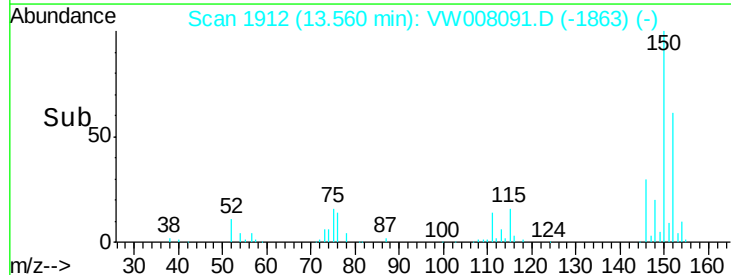
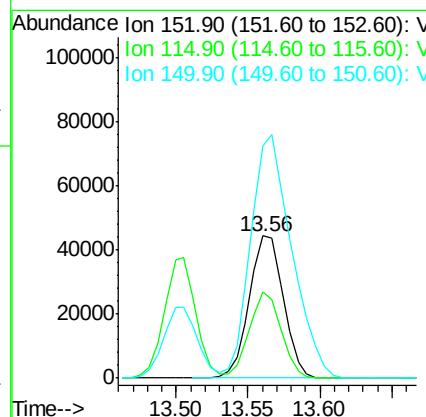
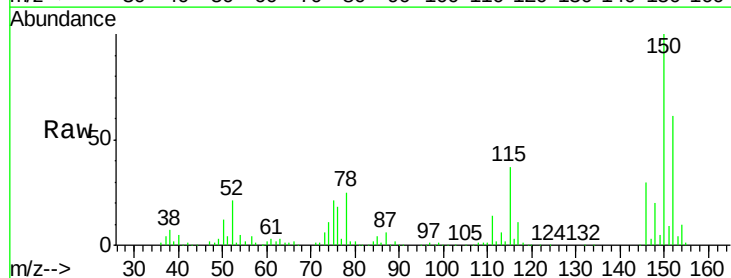
Manual Integrations
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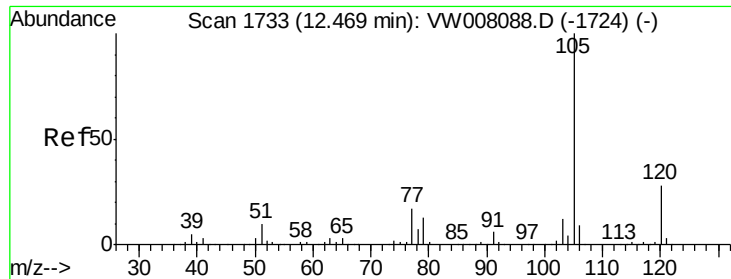
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1/9/2019 11:08:10 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	30.8	92.4
150	206.4	0.0	350.2





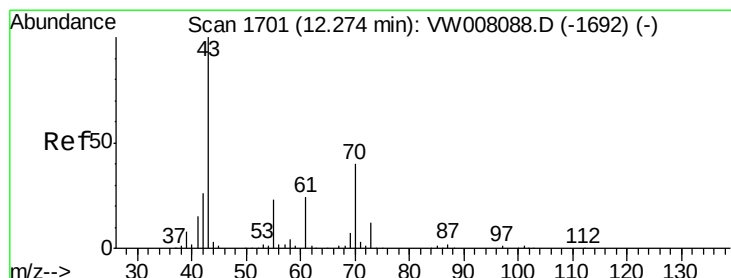
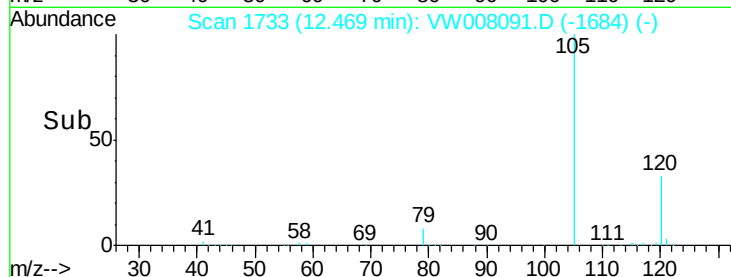
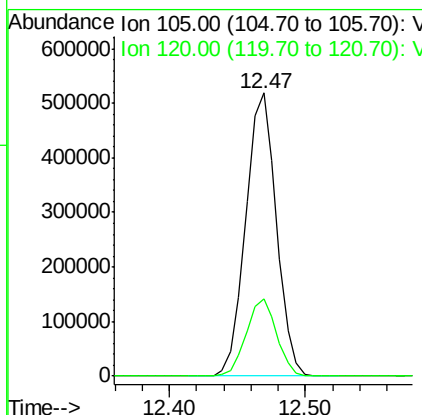
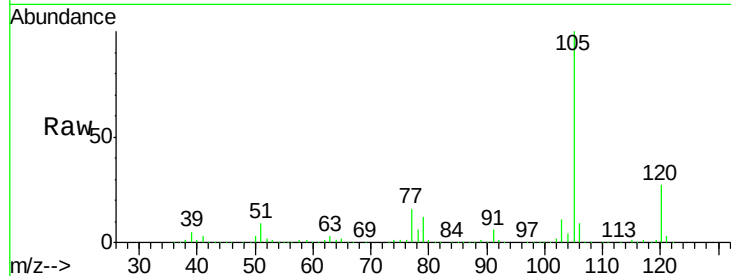
#73
Isopropylbenzene
Concen: 144.606 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion:105 Resp: 818665
Ion Ratio Lower Upper
105 100
120 27.1 13.6 40.8

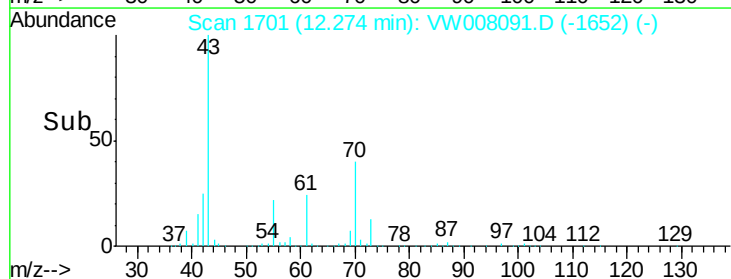
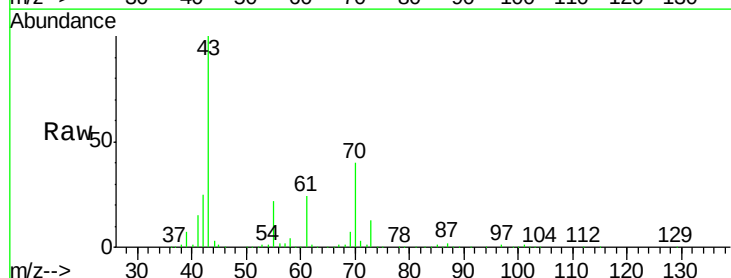
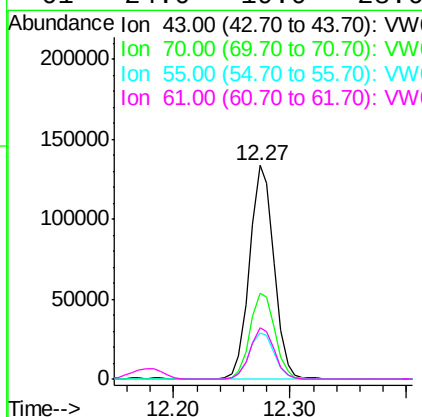
Manual Integrations
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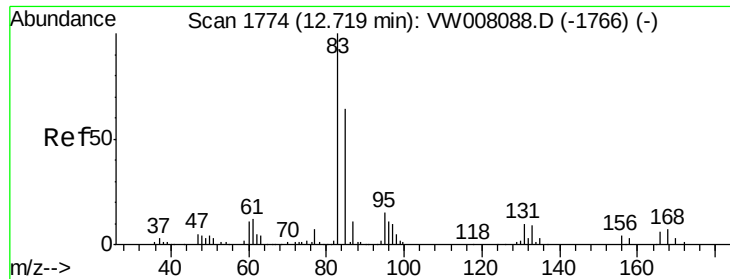
MMDadoda
1/9/2019 11:08:10 AM



#74
N-ethyl acetate
Concen: 207.213 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion: 43 Resp: 195158
Ion Ratio Lower Upper
43 100
70 41.4 32.4 48.6
55 22.8 18.7 28.1
61 24.0 19.0 28.6





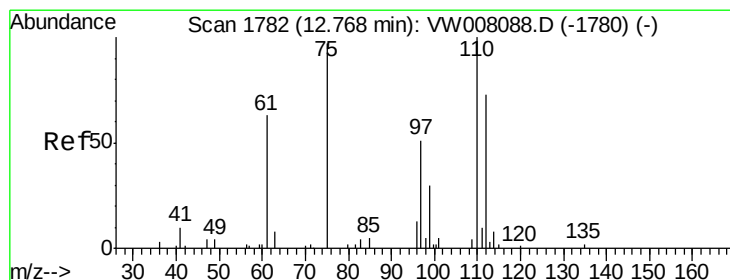
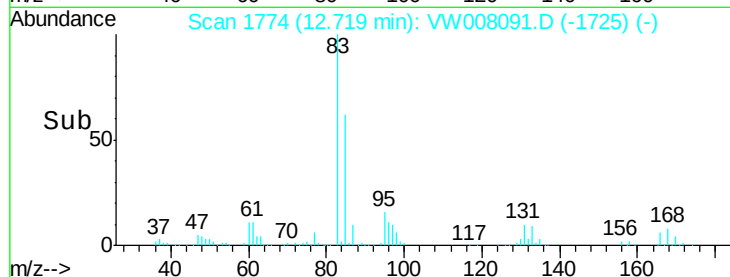
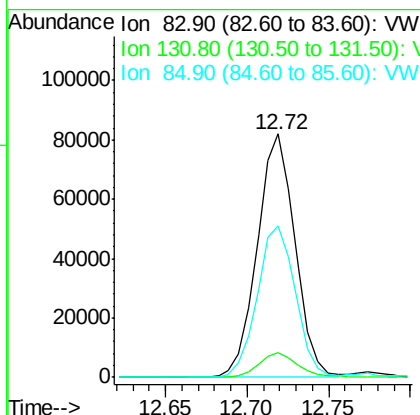
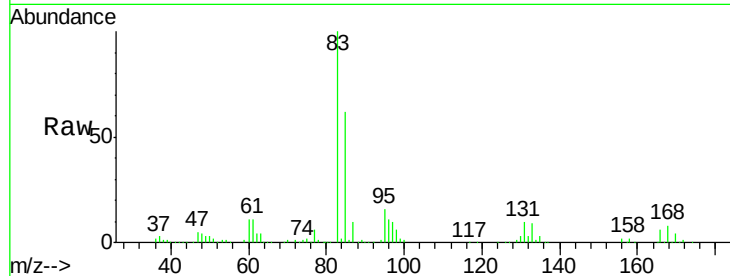
#75
 1,1,2,2-Tetrachloroethane
 Concen: 176.637 ug/l
 RT: 12.72 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	83	Resp	131	1919
Ion Ratio	100			
Lower		5.3		
Upper		16.1		
85	63.1	32.4	97.2	

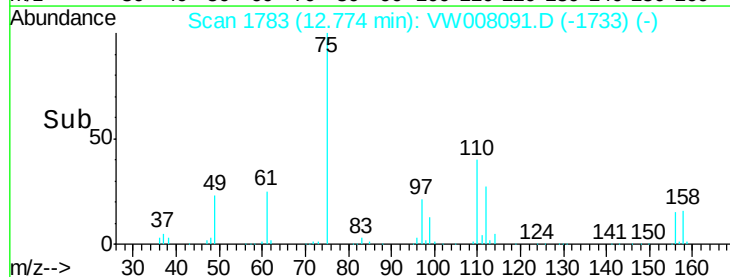
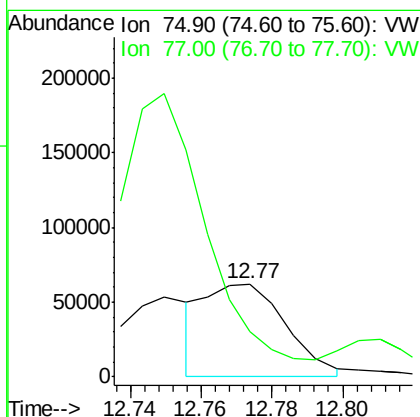
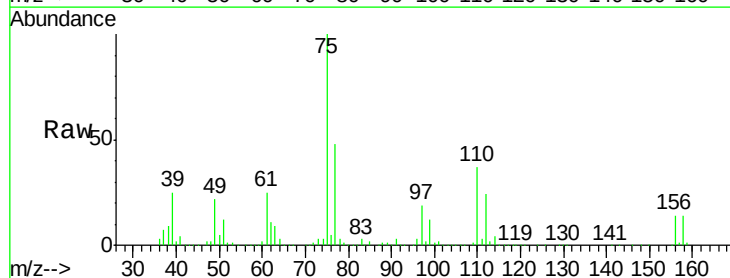
Manual Integrations
 APPROVED

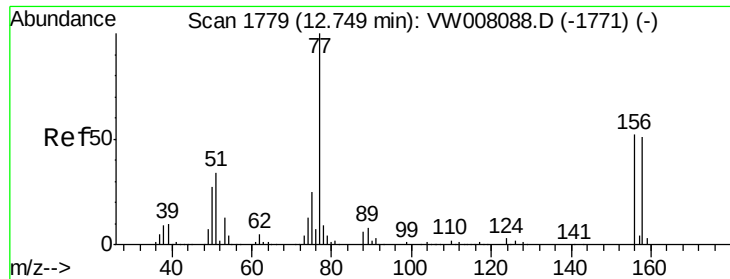
MMDadoda
 1/9/2019 11:08:10 AM



#76
 1,2,3-Trichloropropane
 Concen: 170.807 ug/l m
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	75	Resp	99	258
Ion Ratio	100			
Lower		179.4		
Upper		538.2		
77	0.0			





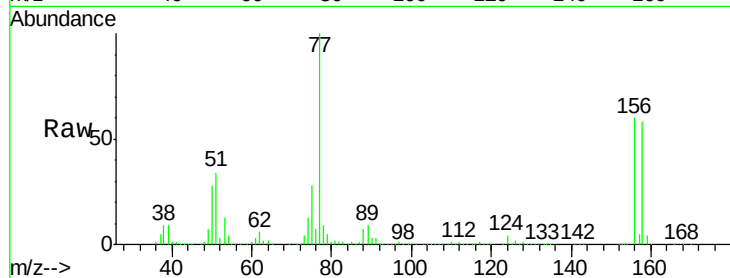
#77
Bromobenzene
Concen: 152.092 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	187.6	104.2	312.5
158	96.4	47.9	143.6

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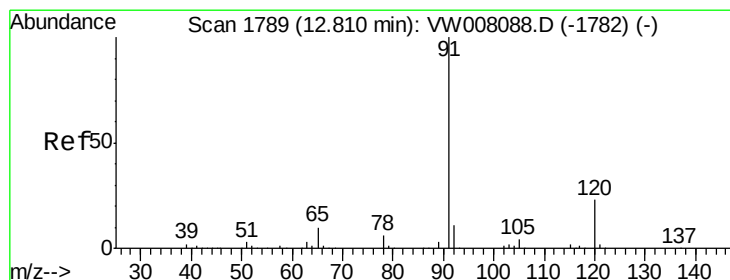
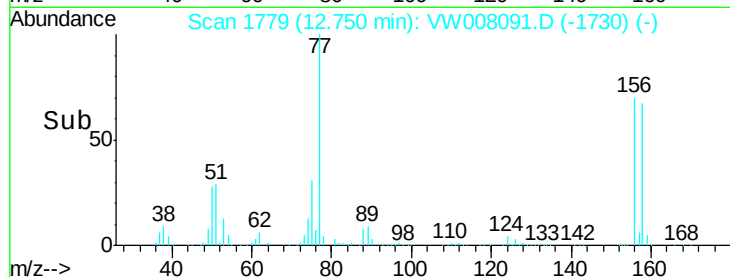
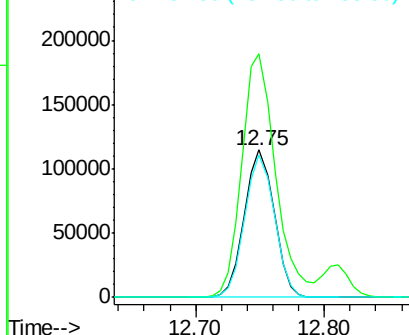


Abundance

Ion 155.80 (155.50 to 156.50): V

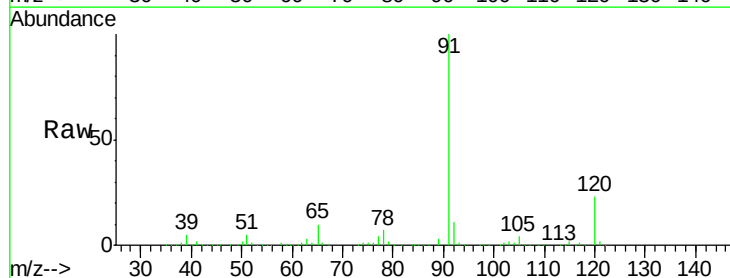
Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78
n-propylbenzene
Concen: 148.084 ug/l
RT: 12.81 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

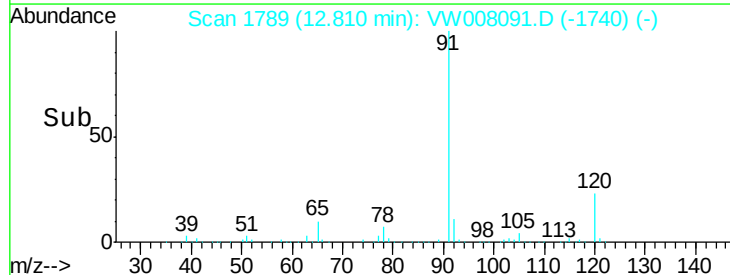
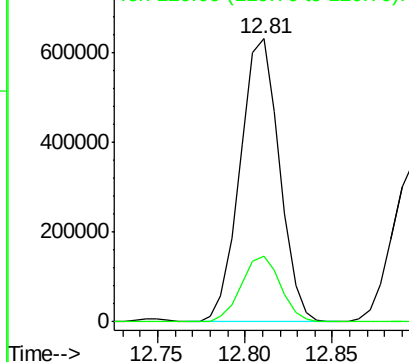
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.3	33.8

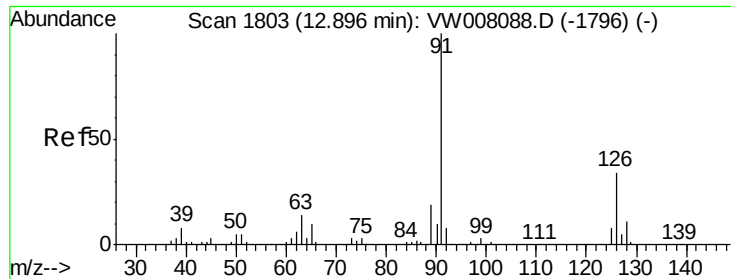


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 144.880 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 551958

Ion Ratio Lower Upper

91 100

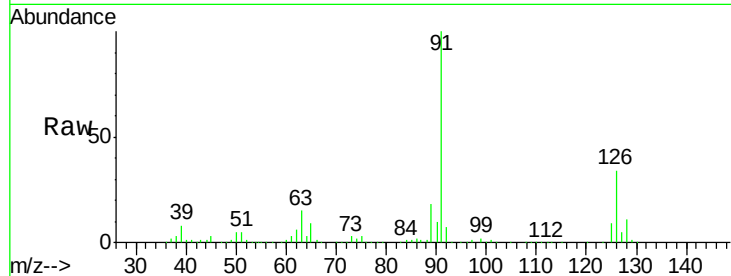
126 34.0 16.8 50.3

Manual Integrations

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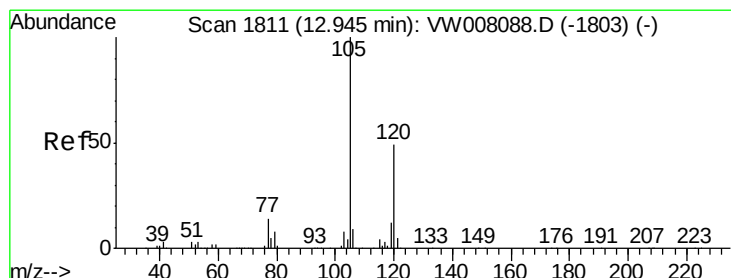
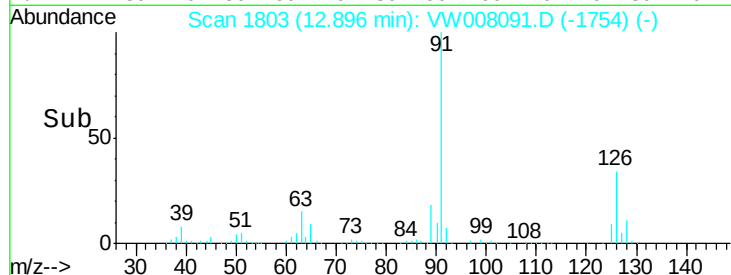
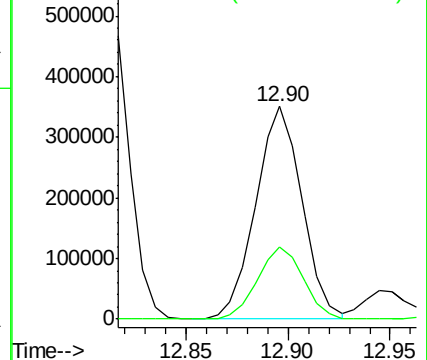
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 137.350 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008091.D

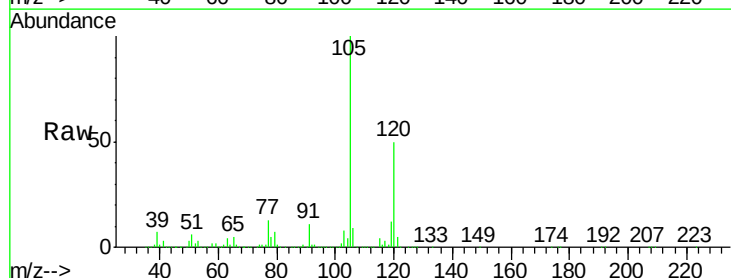
Acq: 08 Jan 2019 17:55

Tgt Ion:105 Resp: 664555

Ion Ratio Lower Upper

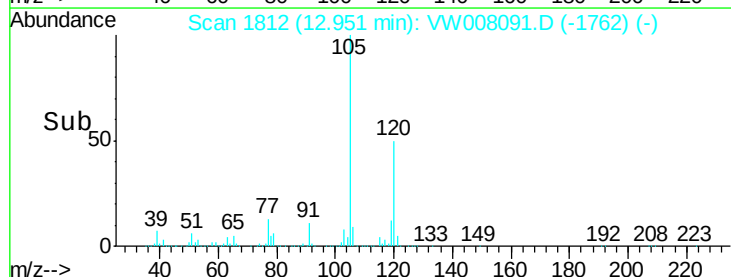
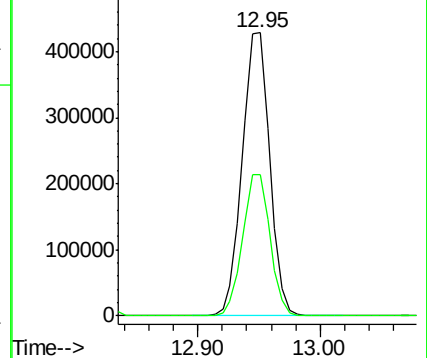
105 100

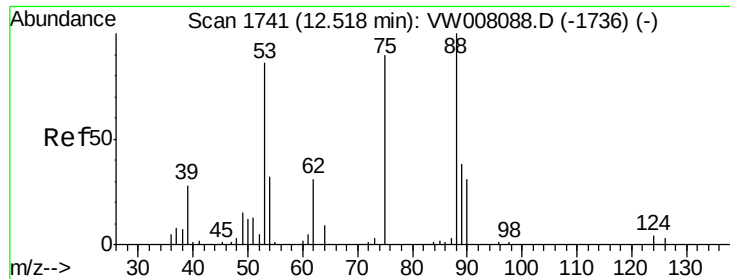
120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





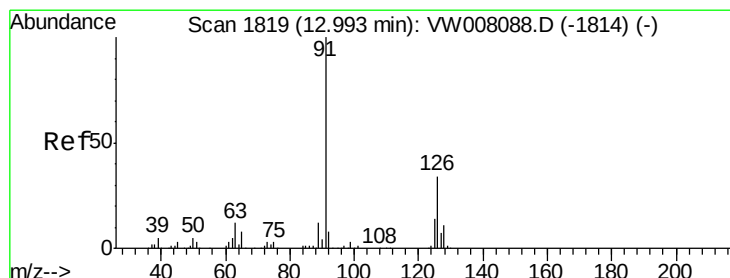
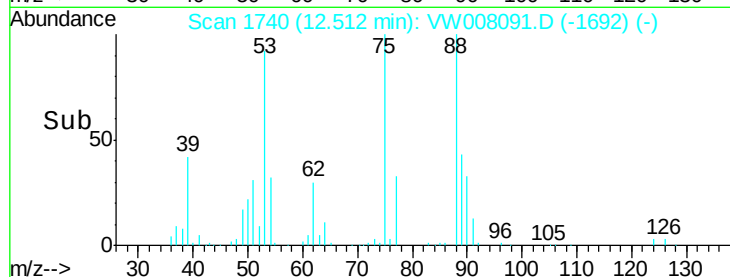
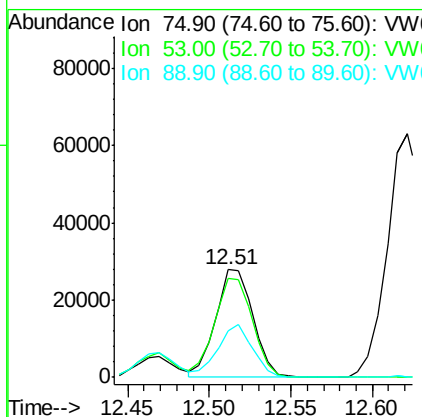
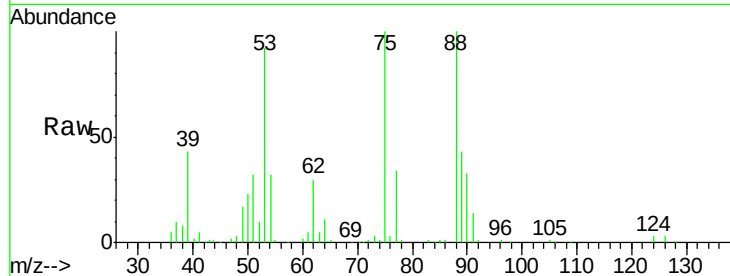
#81
trans-1,4-Dichloro-2-butene
Concen: 179.228 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	78.8	118.2
89	45.8	35.4	53.2

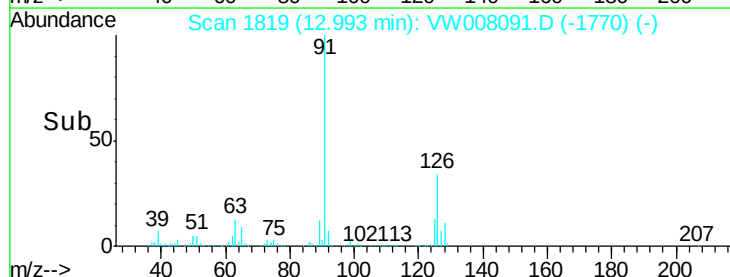
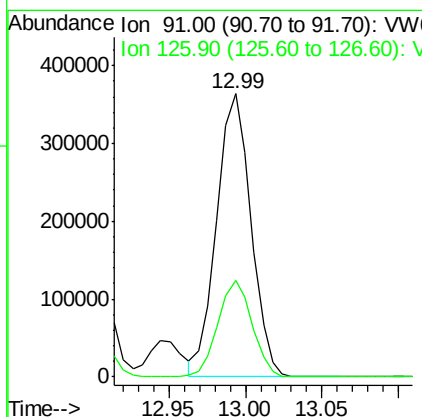
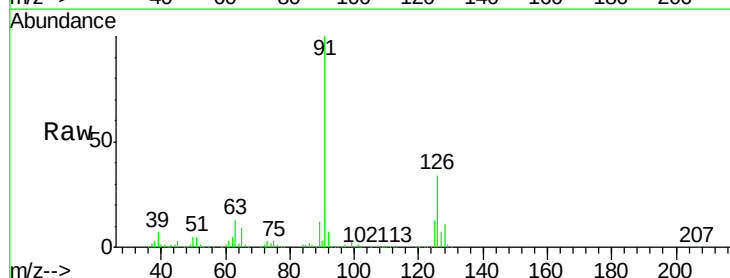
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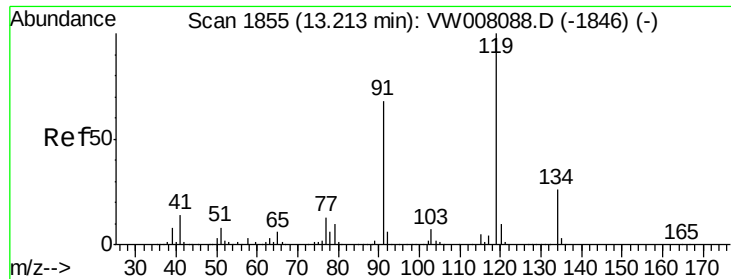
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#82
4-Chlorotoluene
Concen: 140.130 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.5	49.5





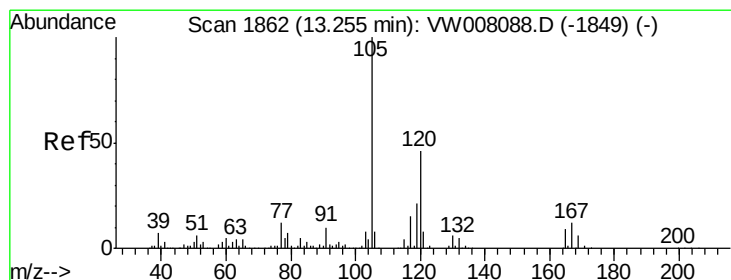
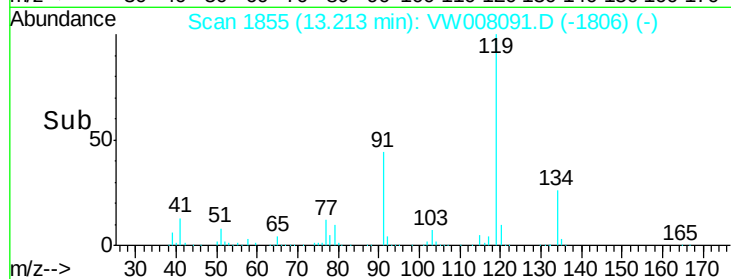
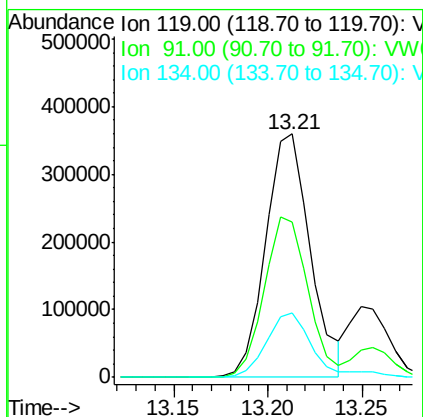
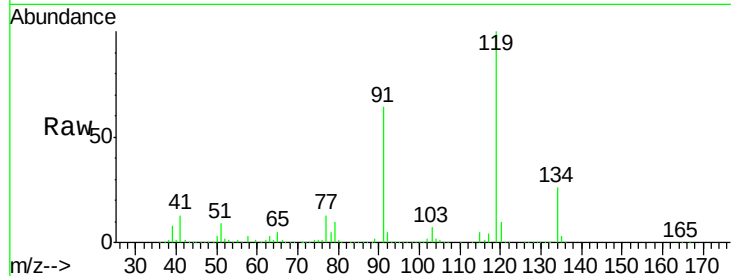
#83
tert-Butylbenzene
Concen: 139.398 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	33.9	101.6
134	27.3	13.6	40.8

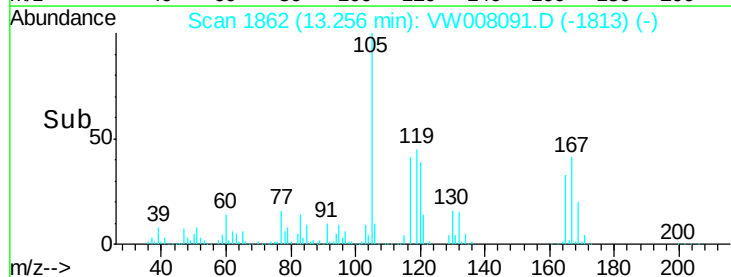
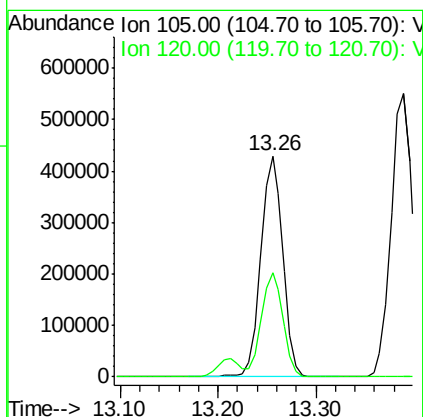
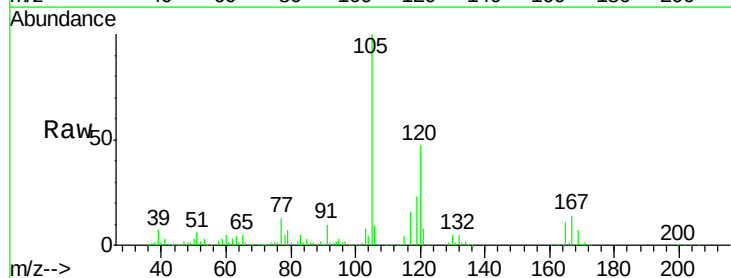
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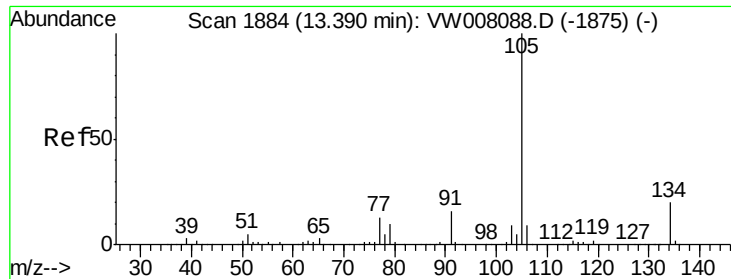
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#84
1,2,4-Trimethylbenzene
Concen: 136.370 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.7	68.1





#85

sec-Butylbenzene

Concen: 144.014 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 849556

Ion Ratio Lower Upper

105 100

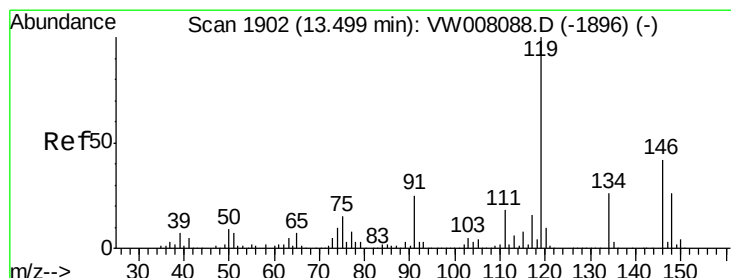
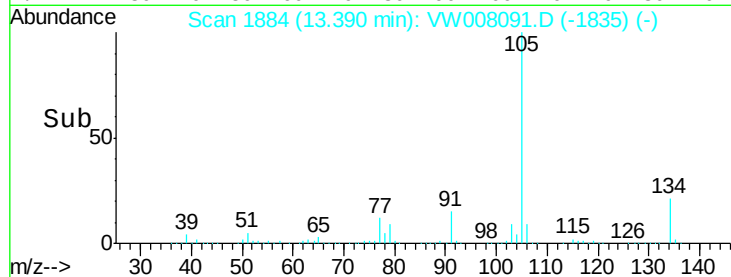
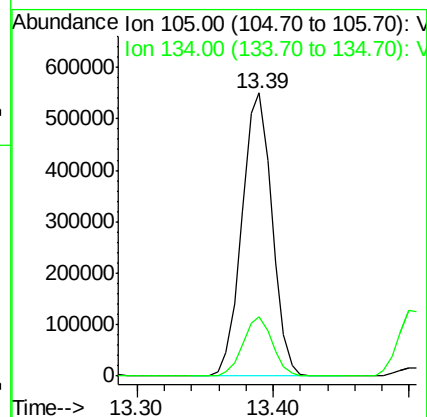
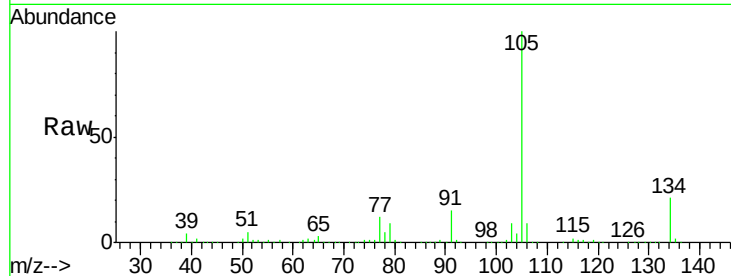
134 20.6 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 139.291 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

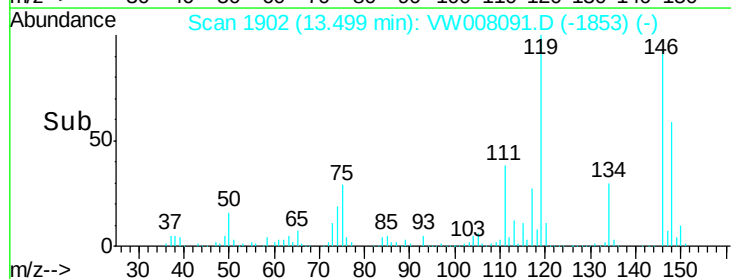
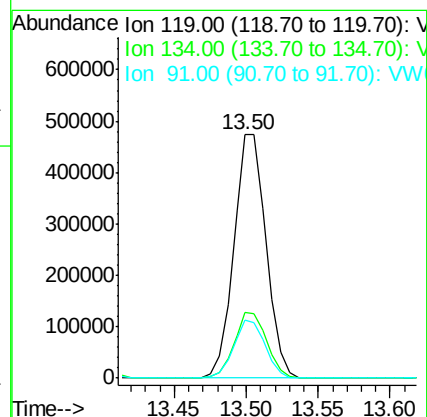
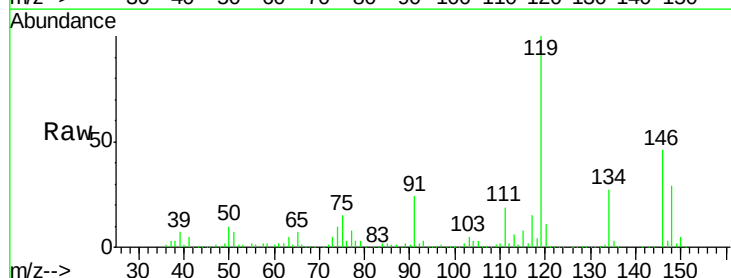
Tgt Ion:119 Resp: 737006

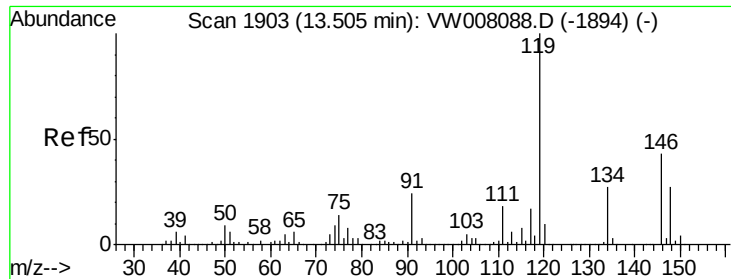
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.3 12.3 36.9





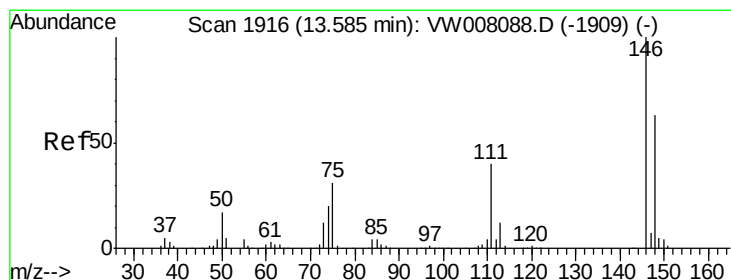
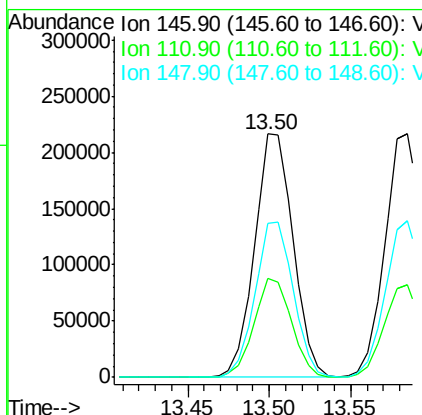
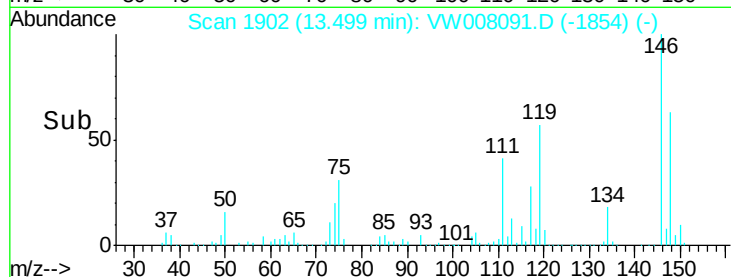
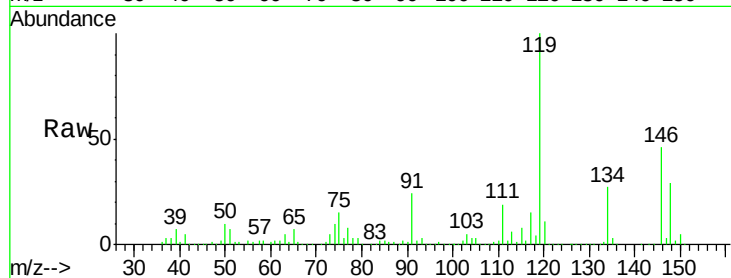
#87
 1,3-Dichlorobenzene
 Concen: 144.328 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.8	21.1	63.1	
148	63.4	31.3	93.9	

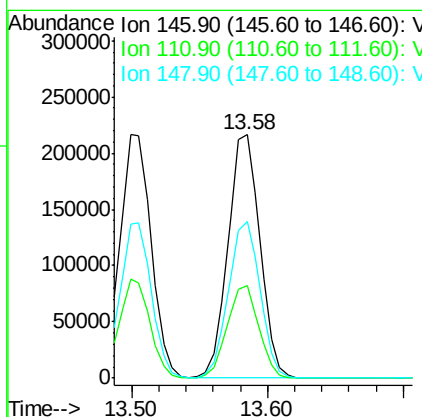
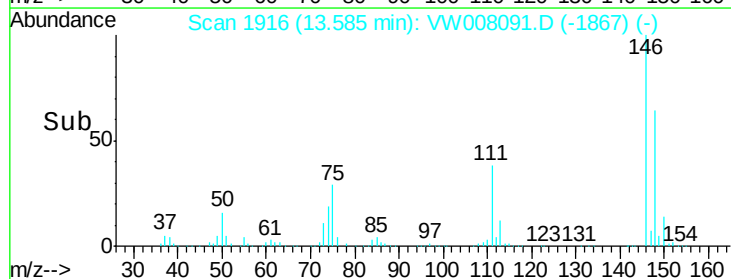
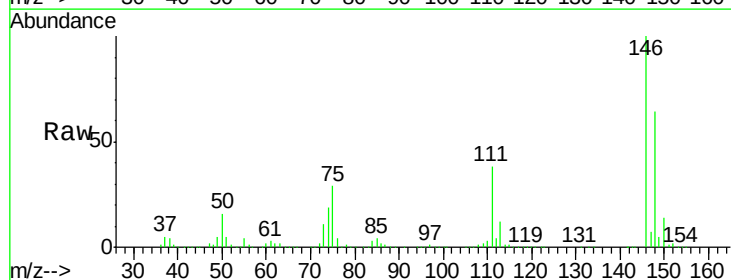
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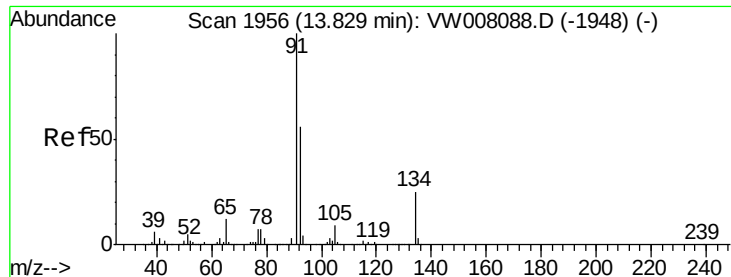
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#88
 1,4-Dichlorobenzene
 Concen: 144.992 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.9	20.5	61.5	
148	63.9	31.6	94.8	





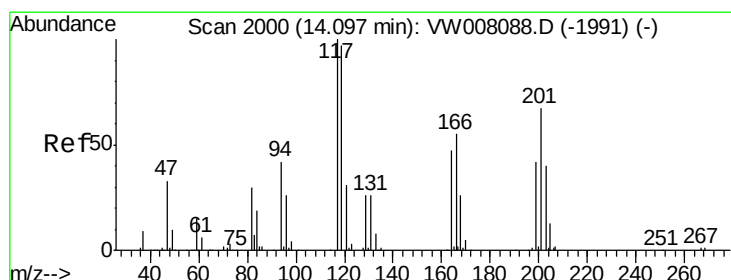
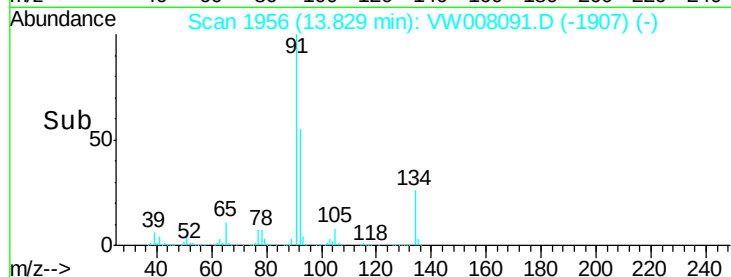
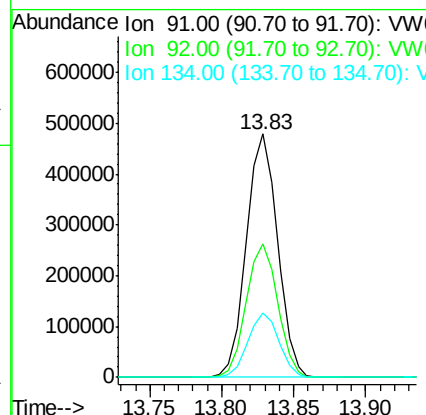
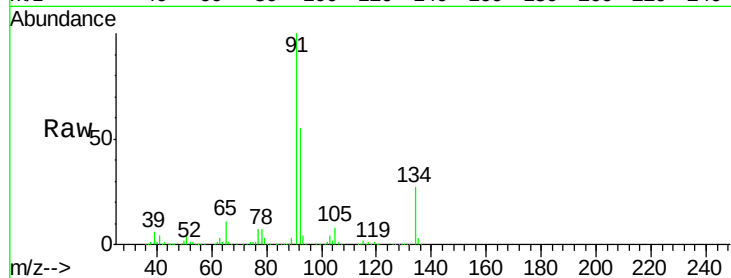
#89
n-Butylbenzene
Concen: 146.757 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.4	82.2
134	26.5	12.6	37.8

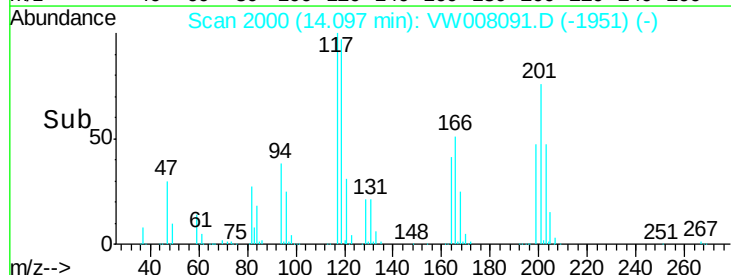
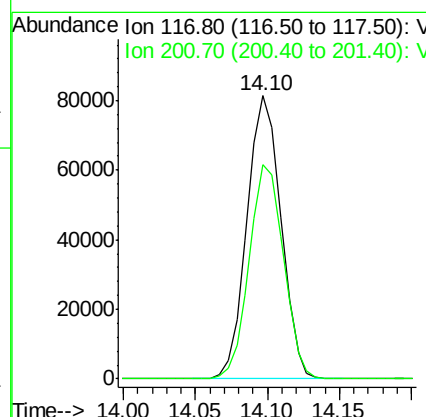
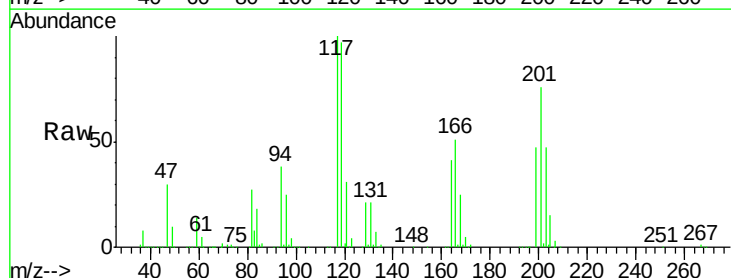
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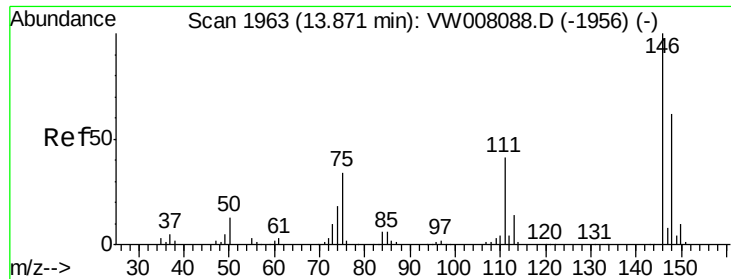
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#90
Hexachloroethane
Concen: 145.704 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	33.0	98.9





#91

1,2-Dichlorobenzene

Concen: 144.963 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Instrument :

MSVOA_W

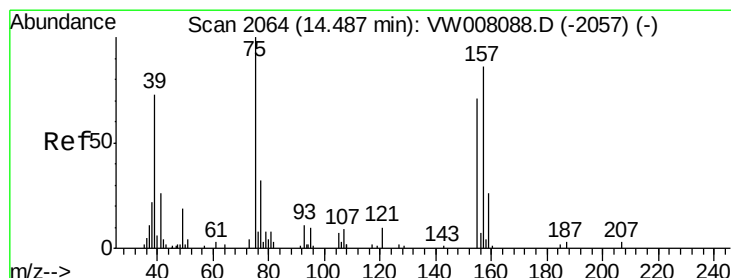
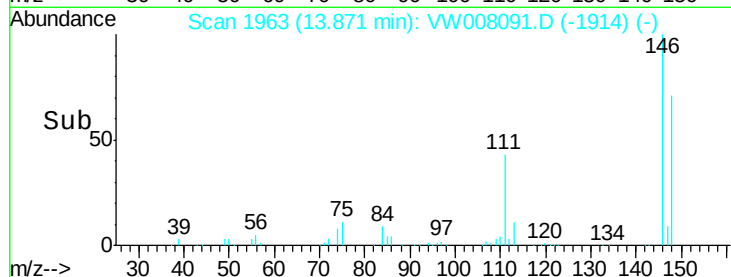
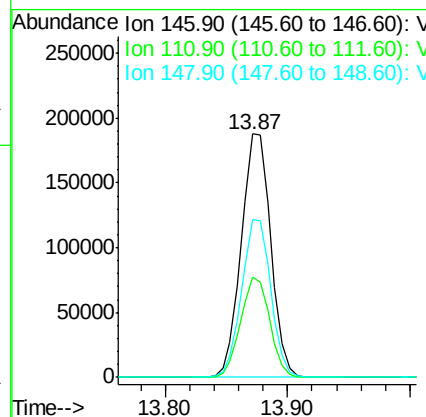
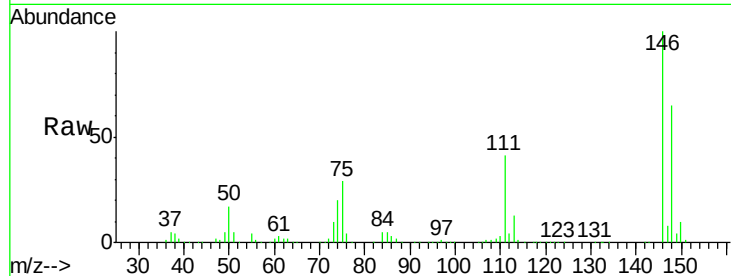
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	313158
Ion Ratio	Lower	Upper	
146	100		
111	40.5	21.3	63.7
148	64.0	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 148.016 ug/l

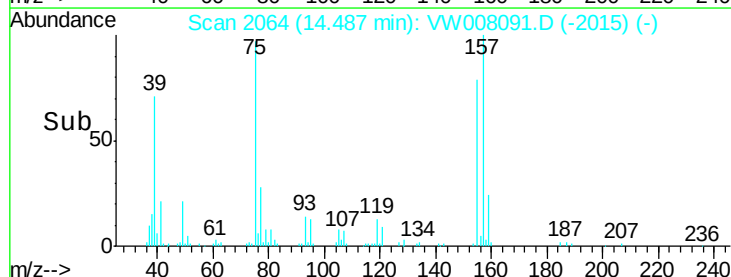
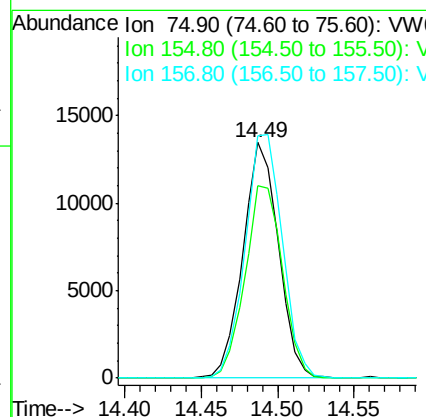
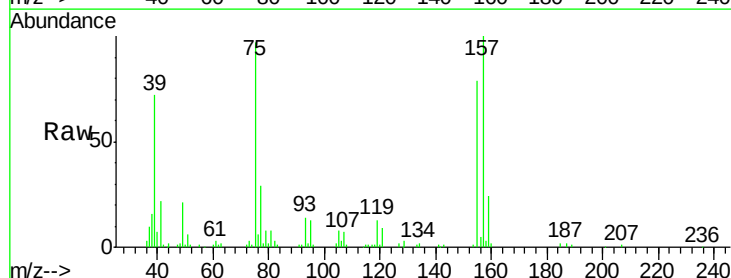
RT: 14.49 min Scan# 2064

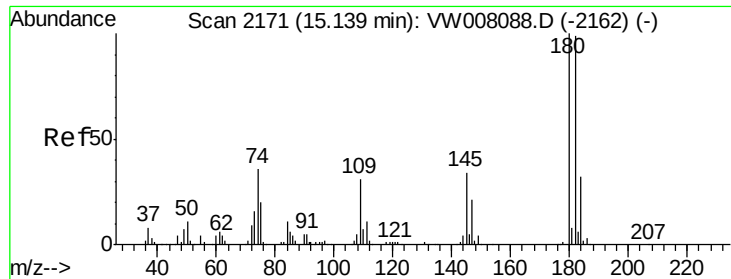
Delta R.T. 0.00 min

Lab File: VW008091.D

Acq: 08 Jan 2019 17:55

Tgt Ion:	75	Resp:	21750
Ion Ratio	Lower	Upper	
75	100		
155	86.0	38.6	115.7
157	108.2	47.5	142.6





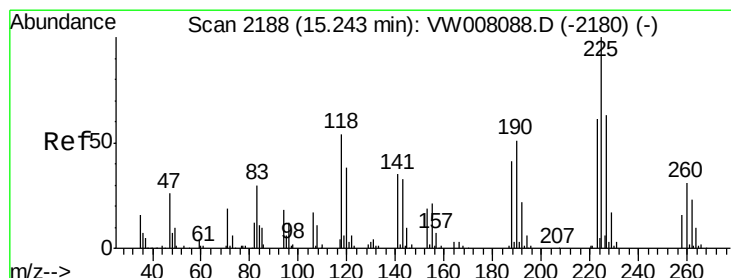
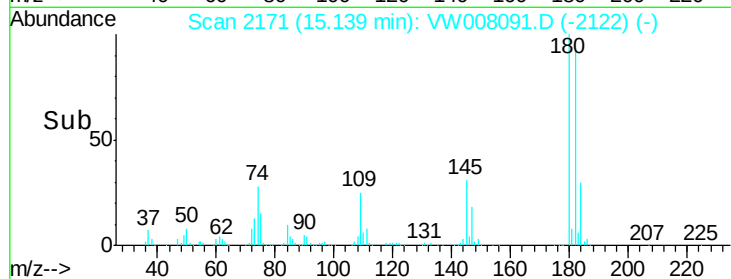
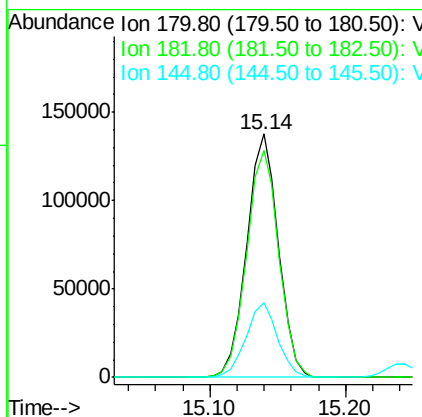
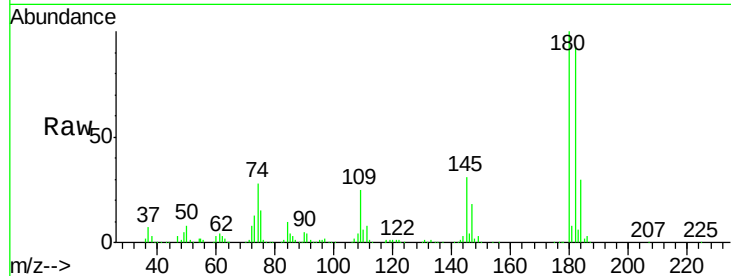
#93
 1,2,4-Trichlorobenzene
 Concen: 150.328 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	224064		
182	95.0	48.6	145.9	
145	30.6	16.6	49.7	

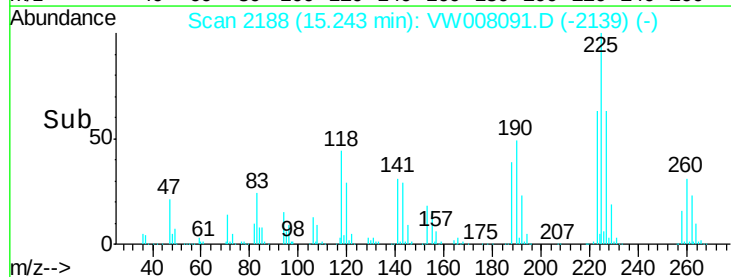
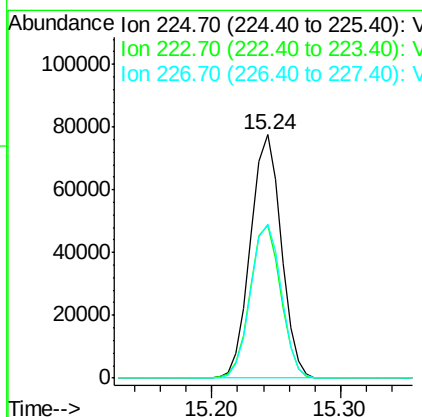
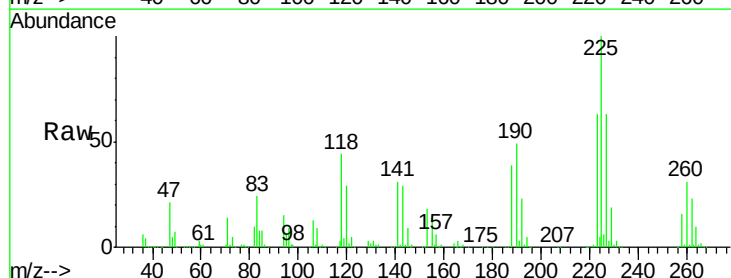
Manual Integrations
 APPROVED

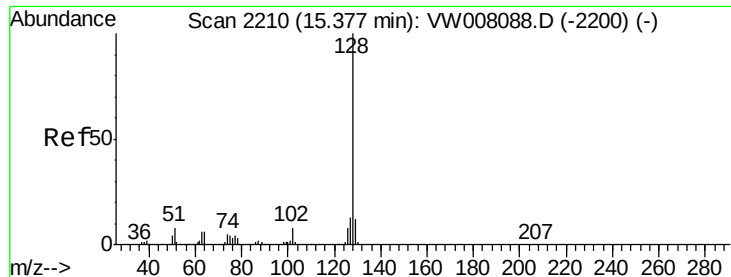
MMDadoda
 1/9/2019 11:08:10 AM



#94
 Hexachlorobutadiene
 Concen: 148.859 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008091.D
 Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127175		
223	62.8	31.4	94.3	
227	63.5	32.0	96.2	





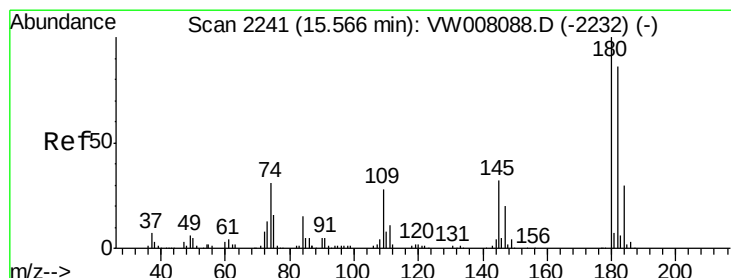
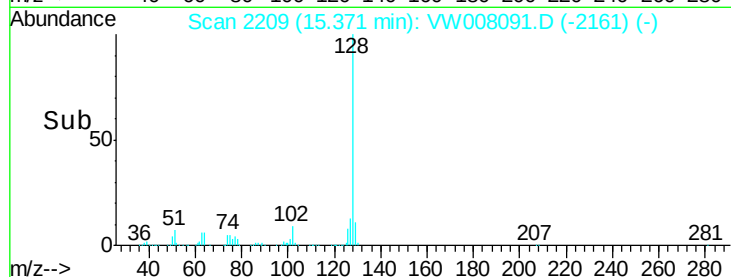
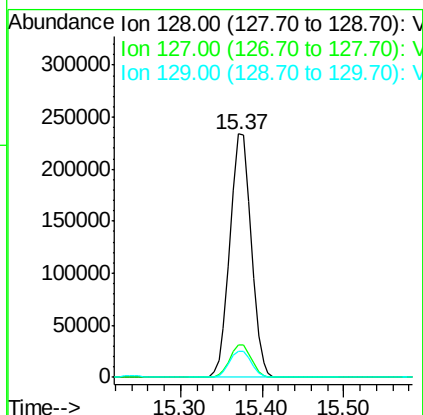
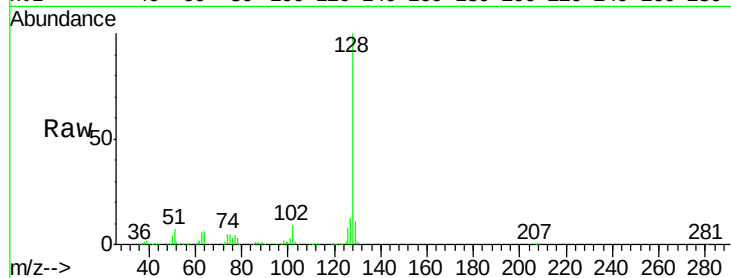
#95
Naphthalene
Concen: 162.438 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	11.0	16.4
129	10.9	9.0	13.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 11:08:10 AM



#96
1,2,3-Trichlorobenzene
Concen: 155.291 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008091.D
Acq: 08 Jan 2019 17:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.5	139.3
145	32.9	17.4	52.2

